

Identification of Novel Peptoid Agonists of Fibroblast Growth Factor Receptor Using Microarray-based Screening

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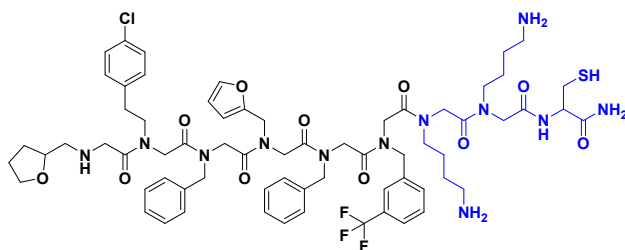
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Mass spectrum for selected peptoids

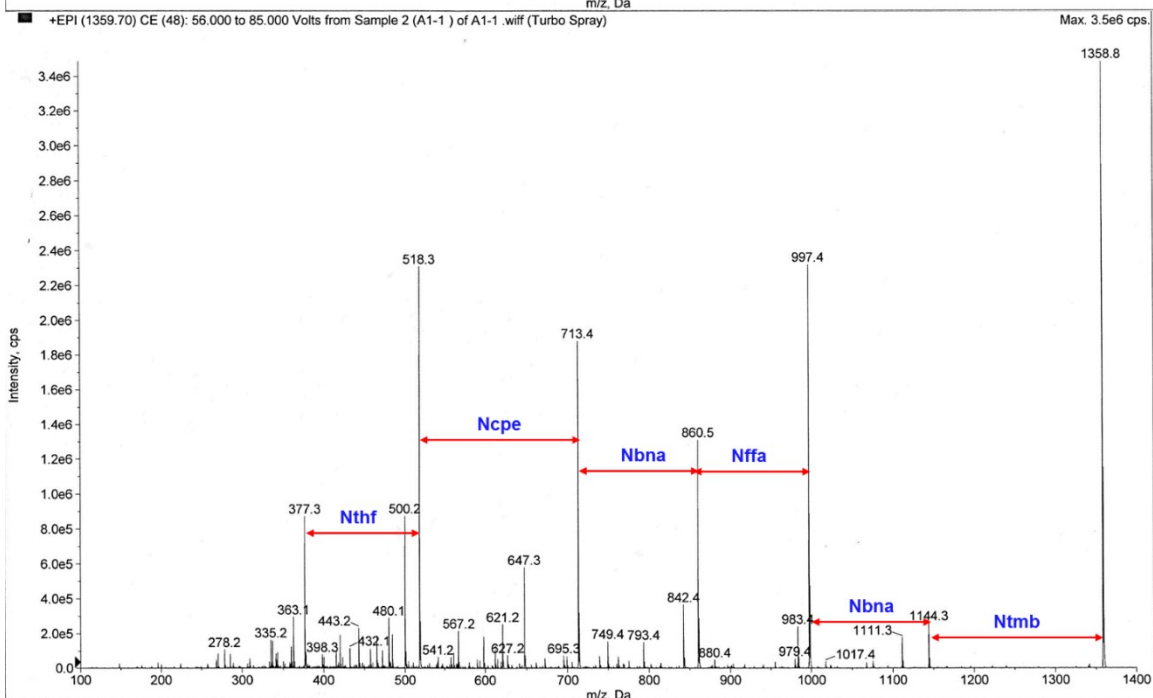
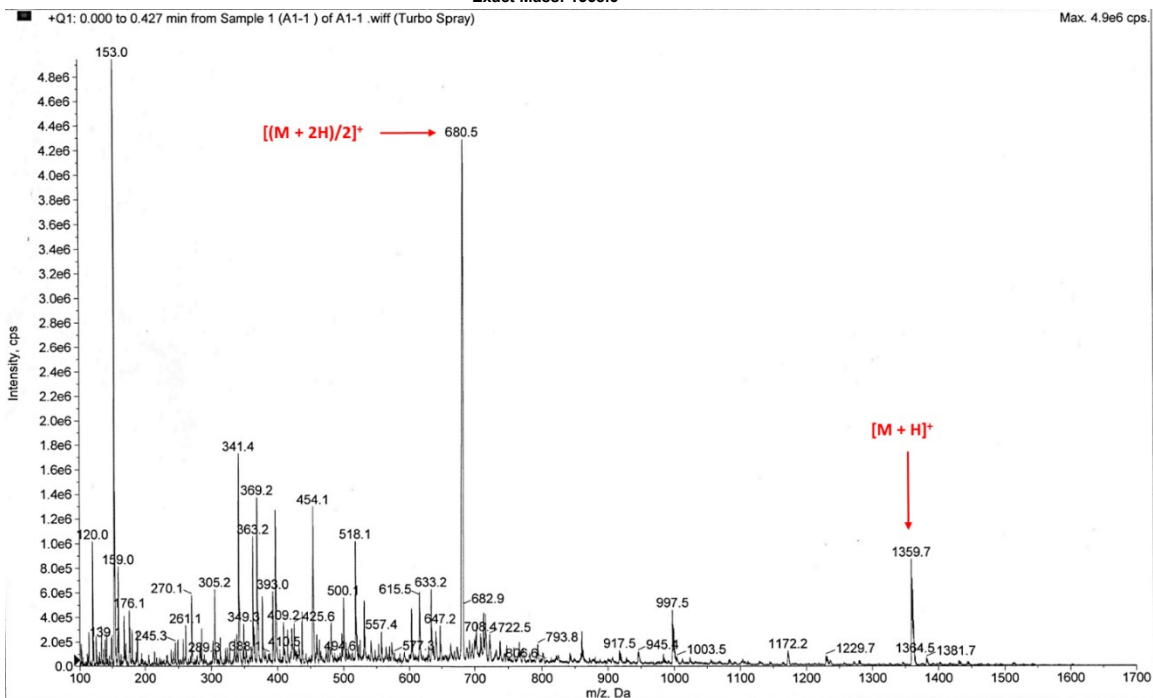
The mass spectrum of ten randomly selected peptoids (Test 1 to Test 10) from the OBOC library, four hit peptoids and two negative control peptoids from microarray screening are shown below.

The structure of each peptoid was decoded using the 3200 QTRAP® System (AB Sciex, Redwood City, CA, USA). The parent peak was identified using Q1 mode, and the sequence of each peptoid was elucidated using Enhanced Product Ion (MS/MS) mode by comparing the molecular weights of the amine building blocks and the differences between fragmental signals shown in MS/MS.

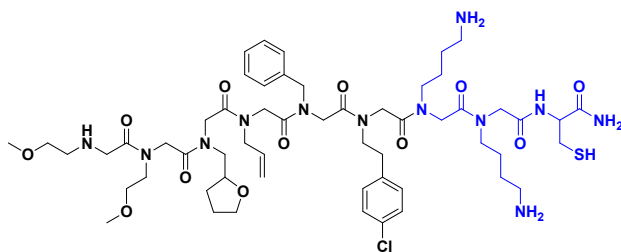
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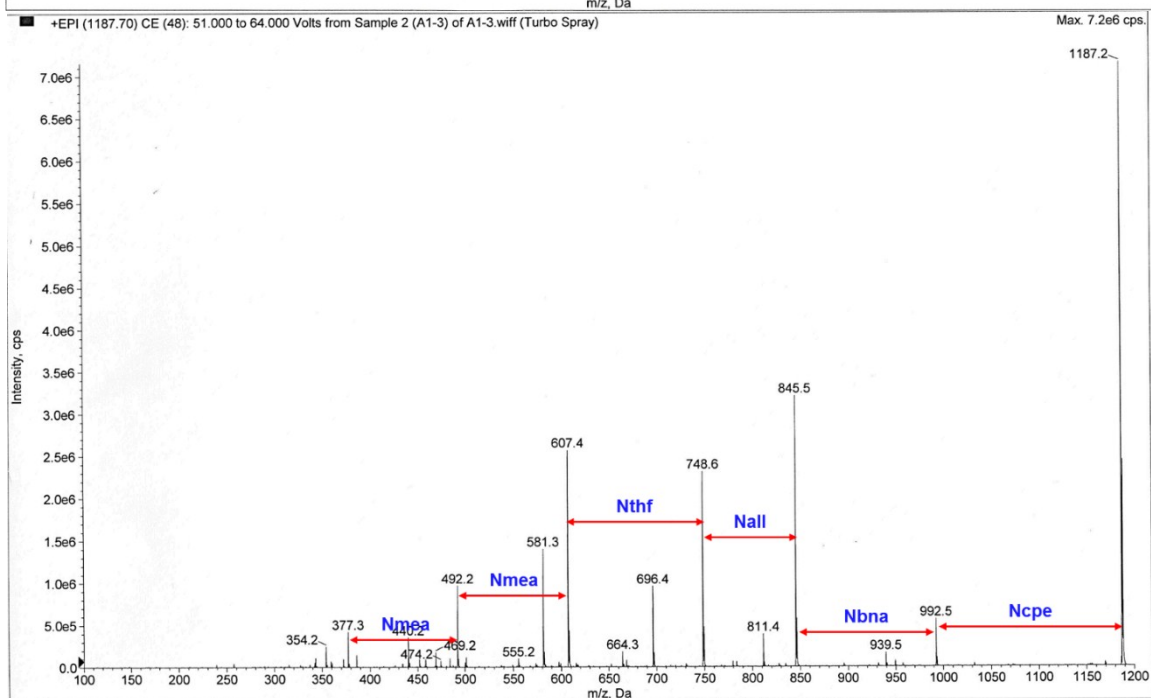
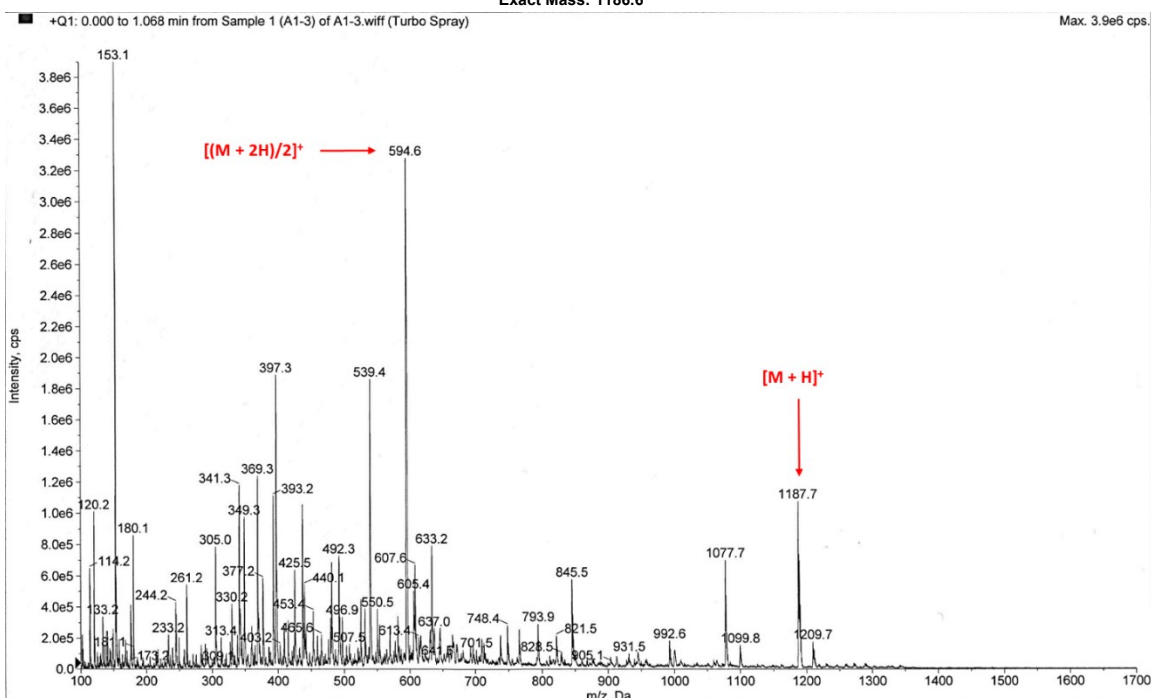
Test 1
Nthf-Ncpe-Nbna-Nffa-Nbna-Ntmb
Exact Mass: 1358.6



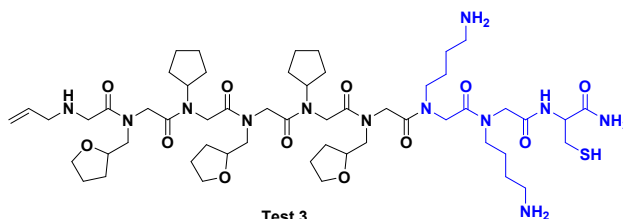
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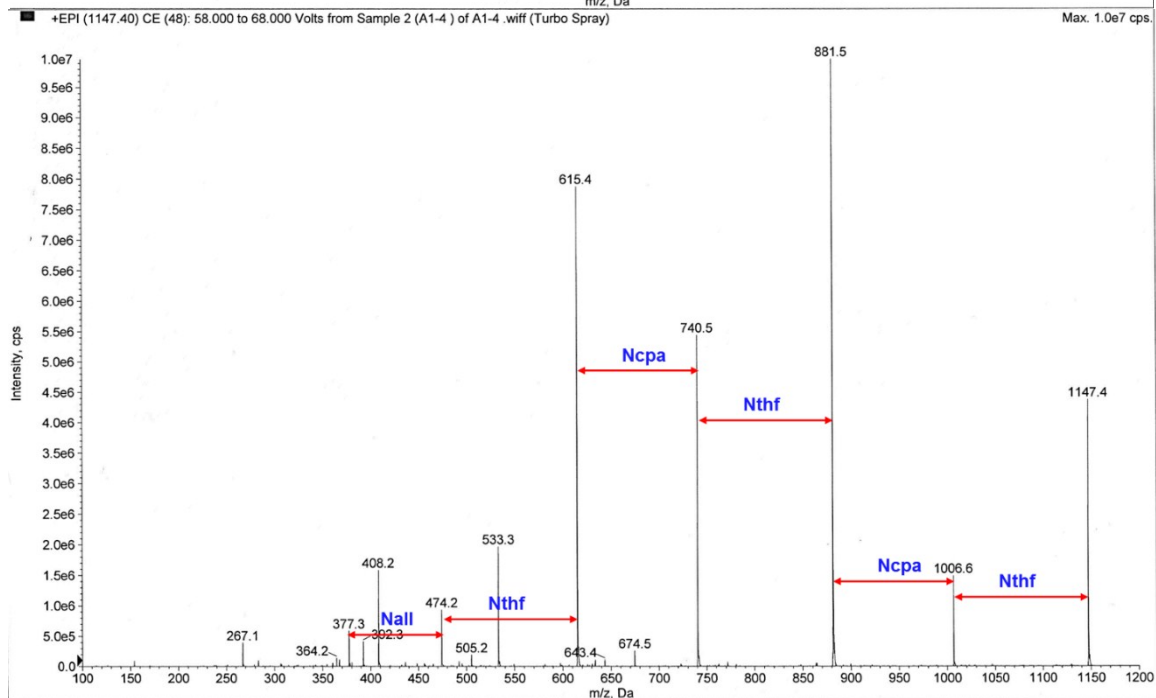
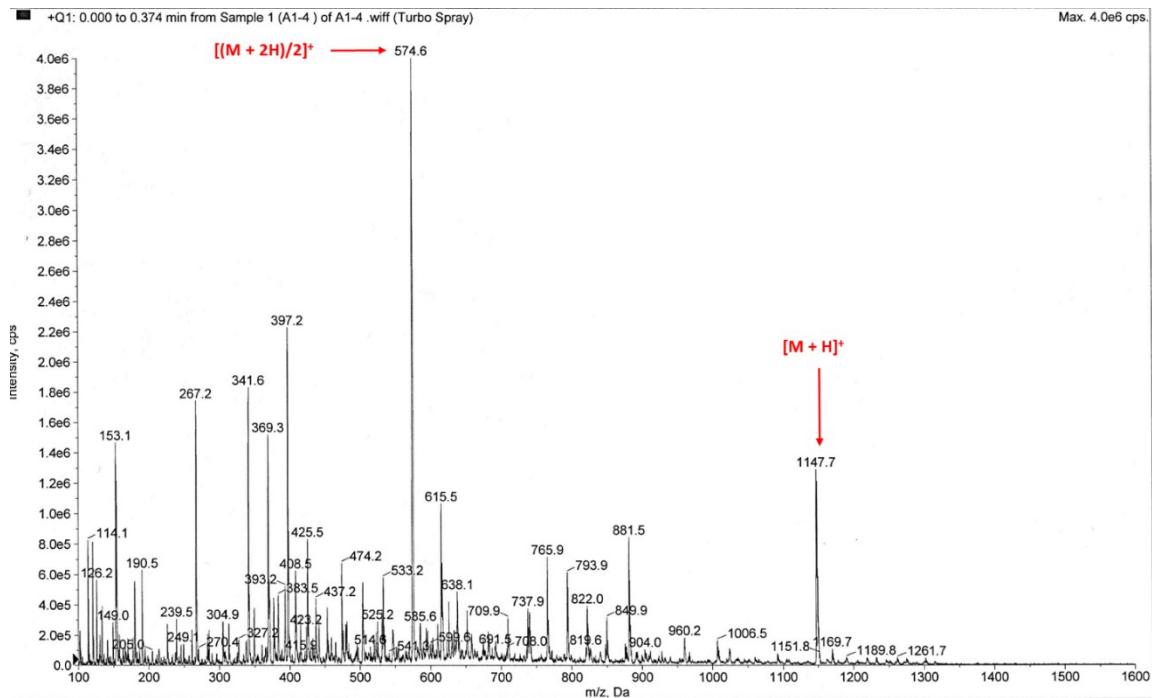
Test 2
Nmea-Nmea-Nthf-Nall-Nbna-Ncpe
Exact Mass: 1186.6



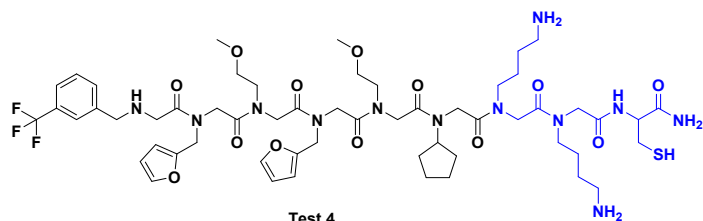
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Test 3
Nall-Nthf-Ncpa-Nthf-Ncpa-Nthf
Exact Mass: 1146.7

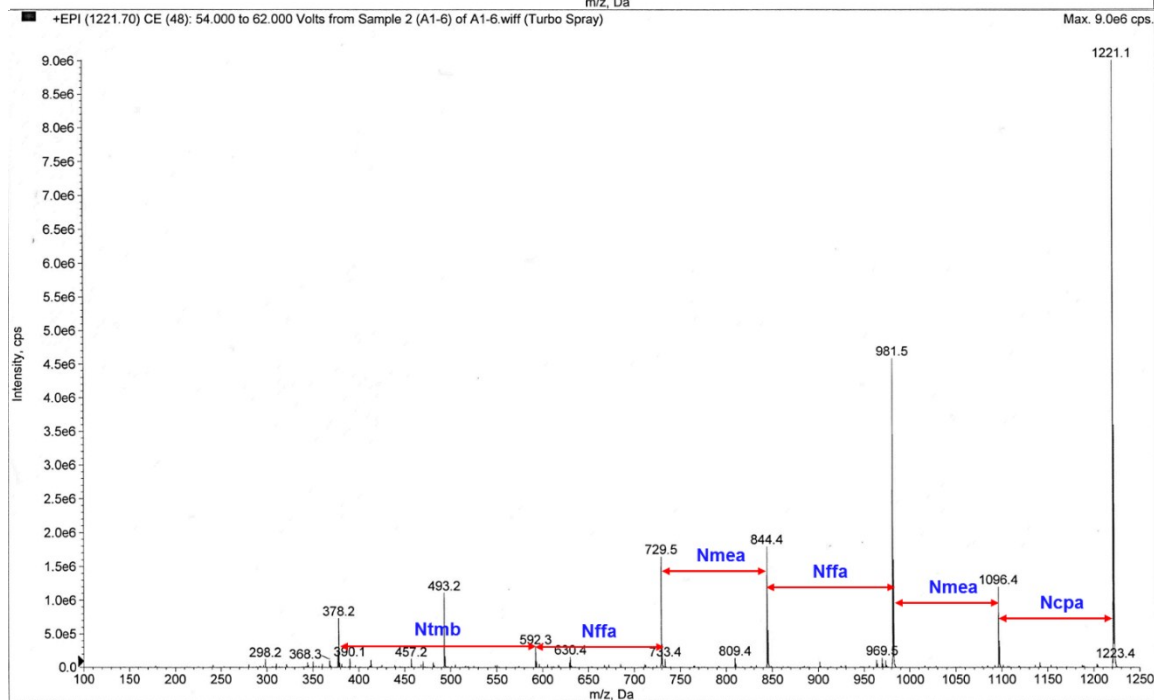
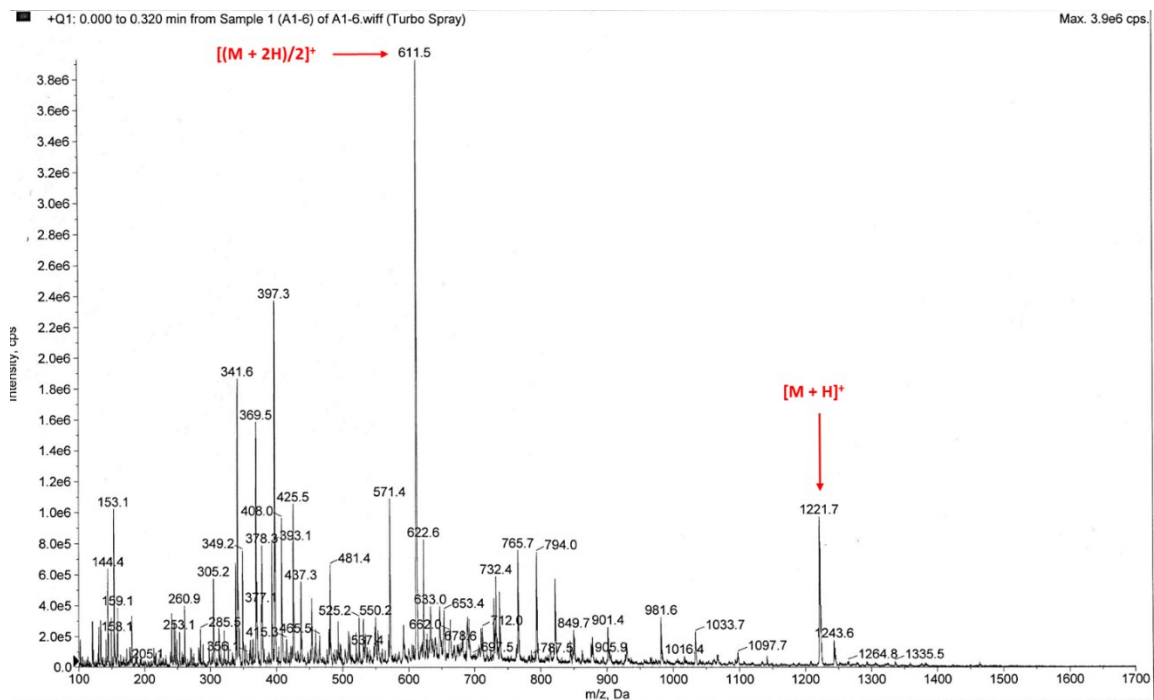


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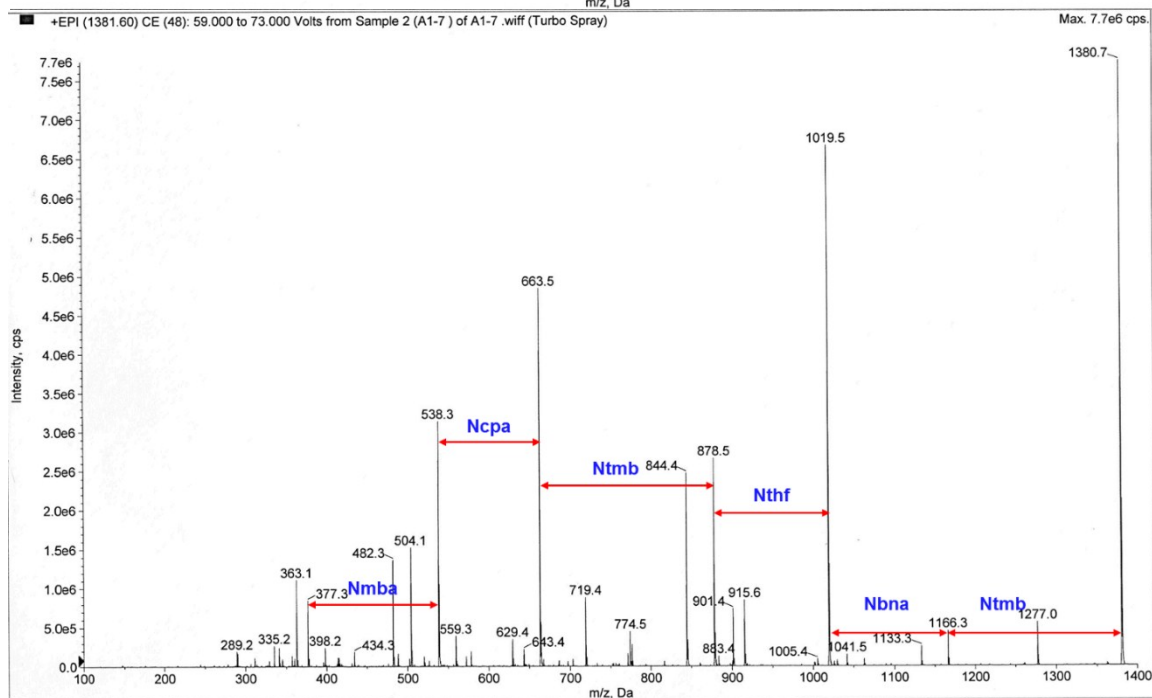
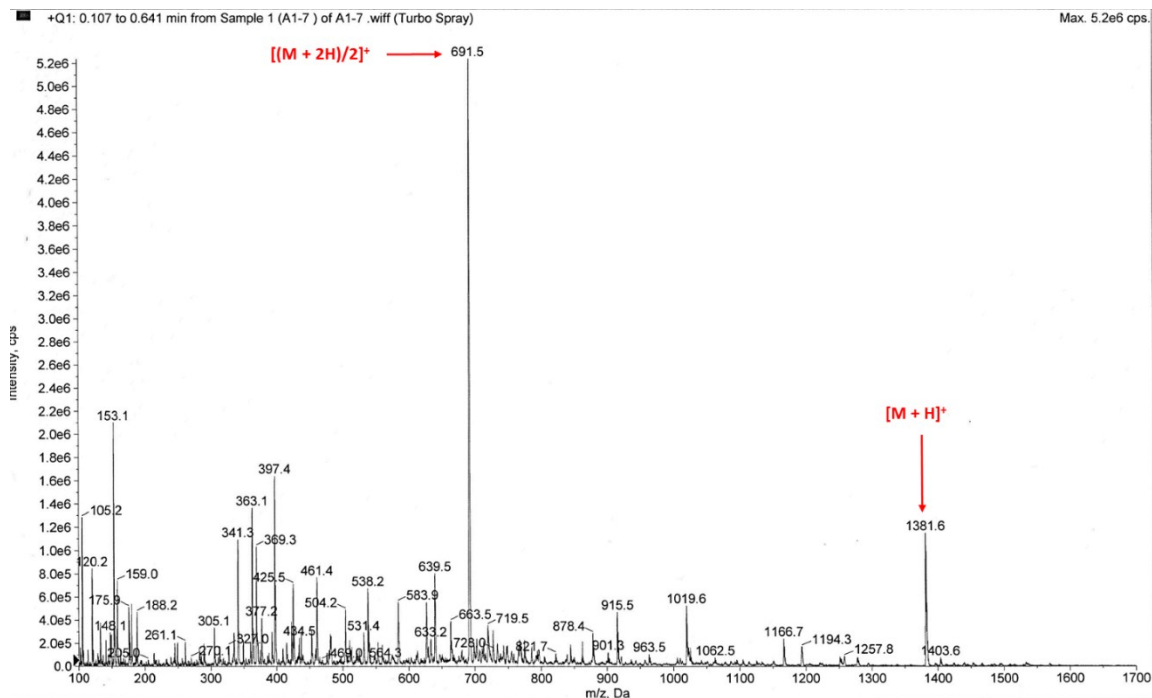
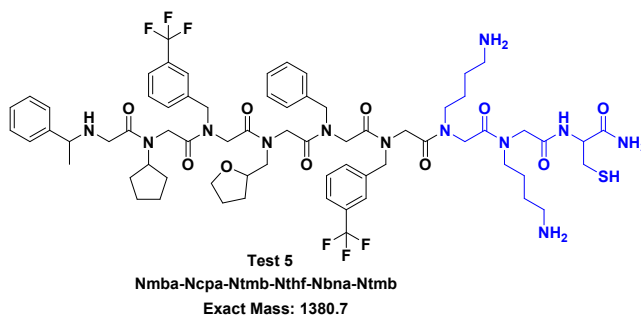


Test 4
Ntmb-Nffa-Nmea-Nffa-Nmea-Ncpa

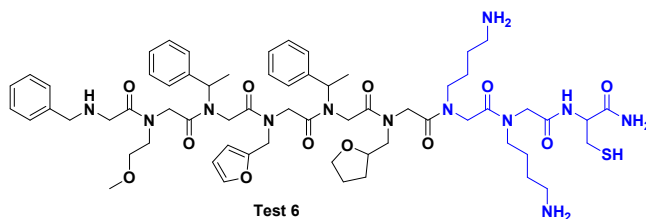
Exact Mass: 1220.6



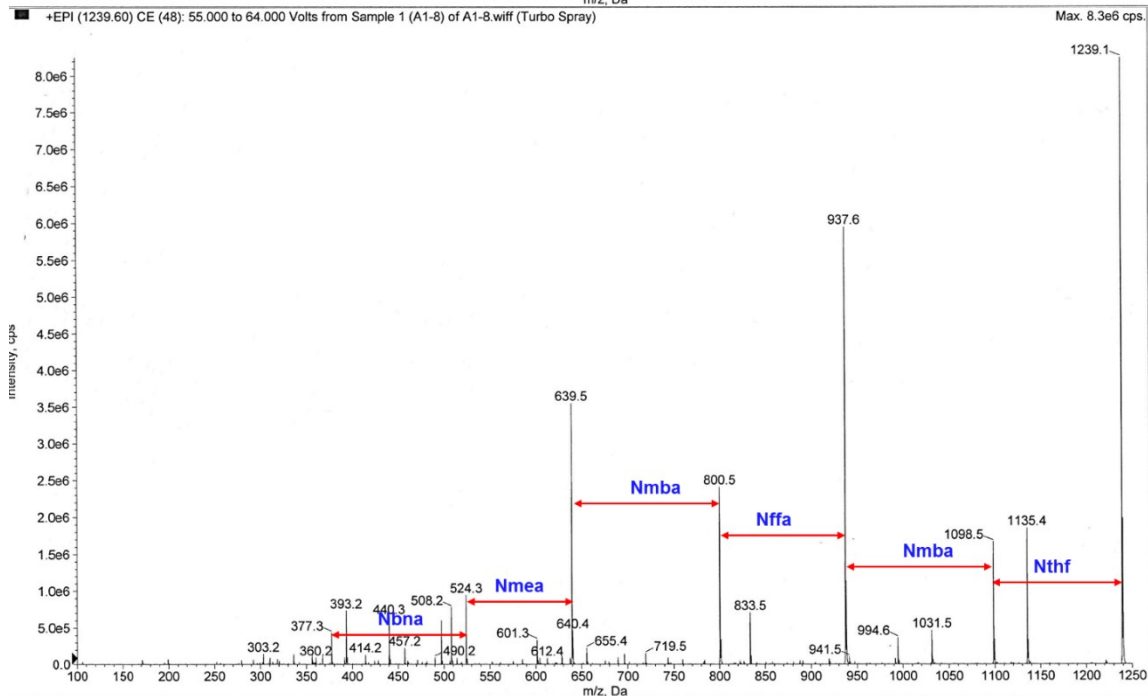
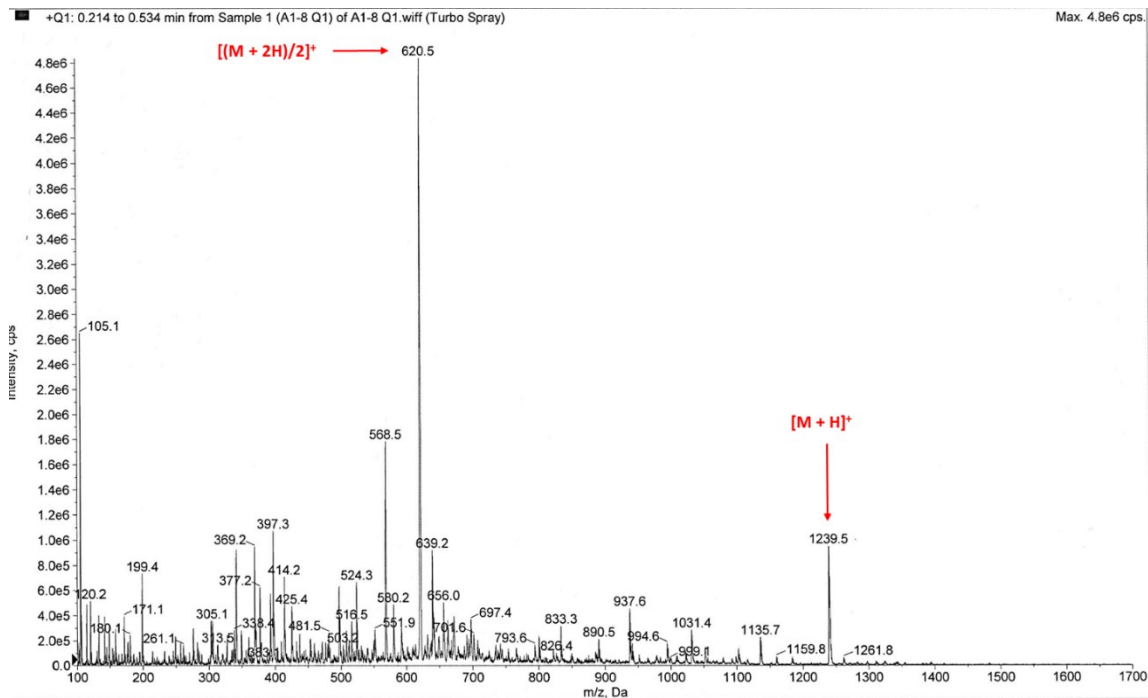
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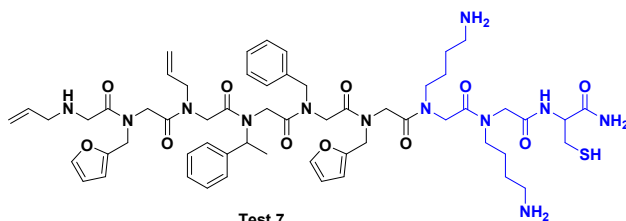
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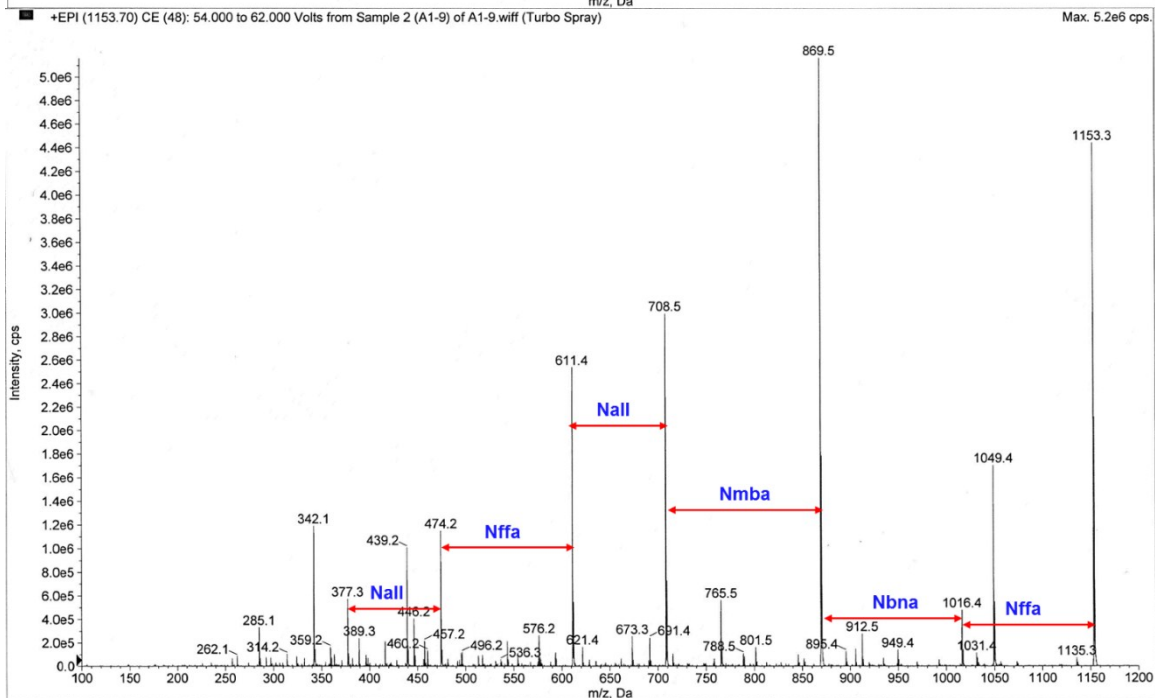
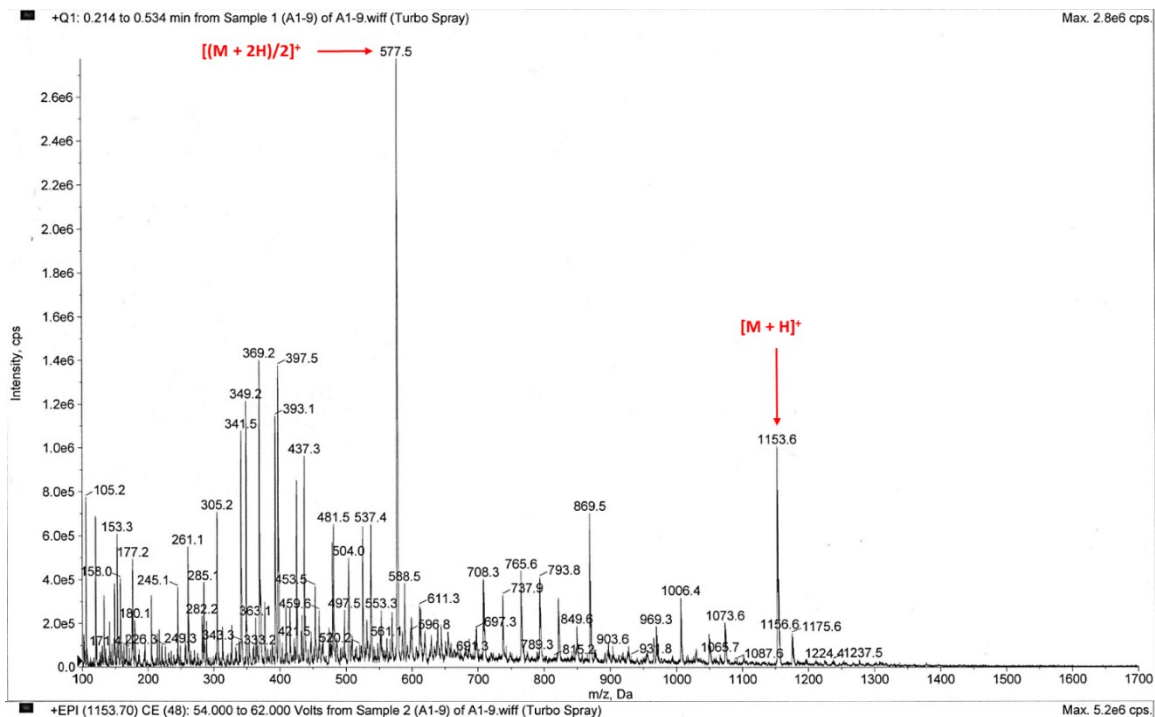
Test 6
Nbna-Nmea-Nmba-Nffa-Nmba-Nthf
Exact Mass: 1238.7



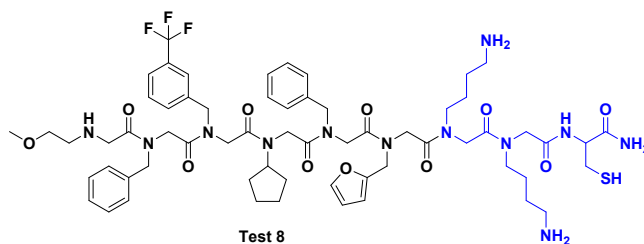
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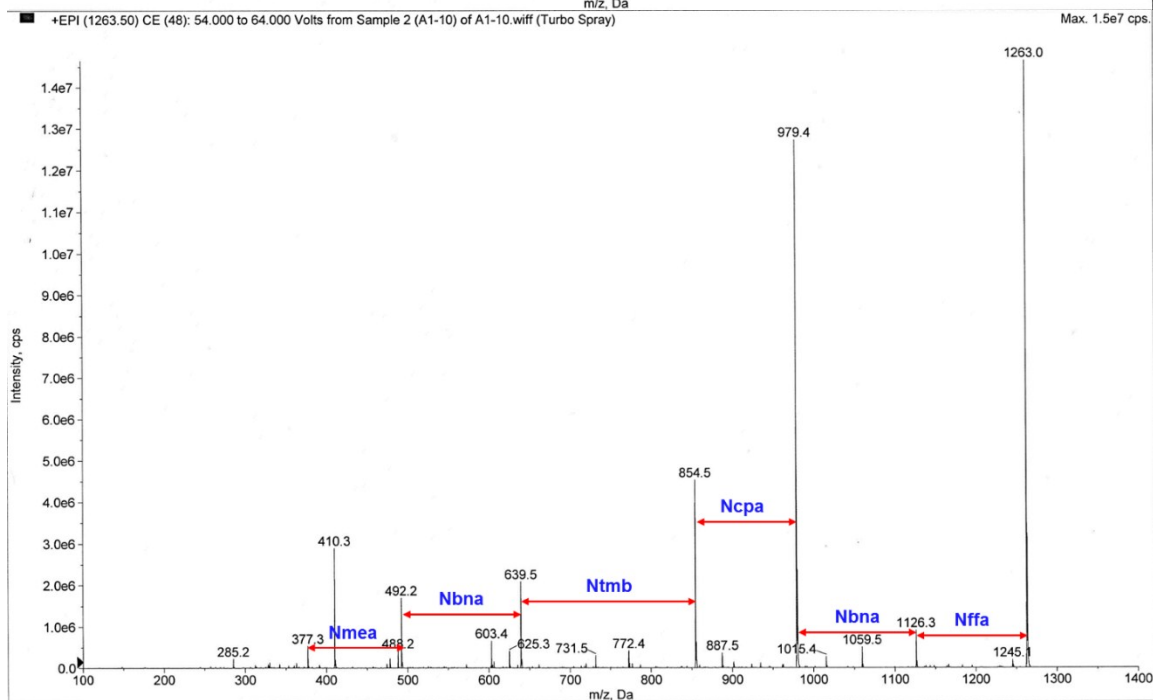
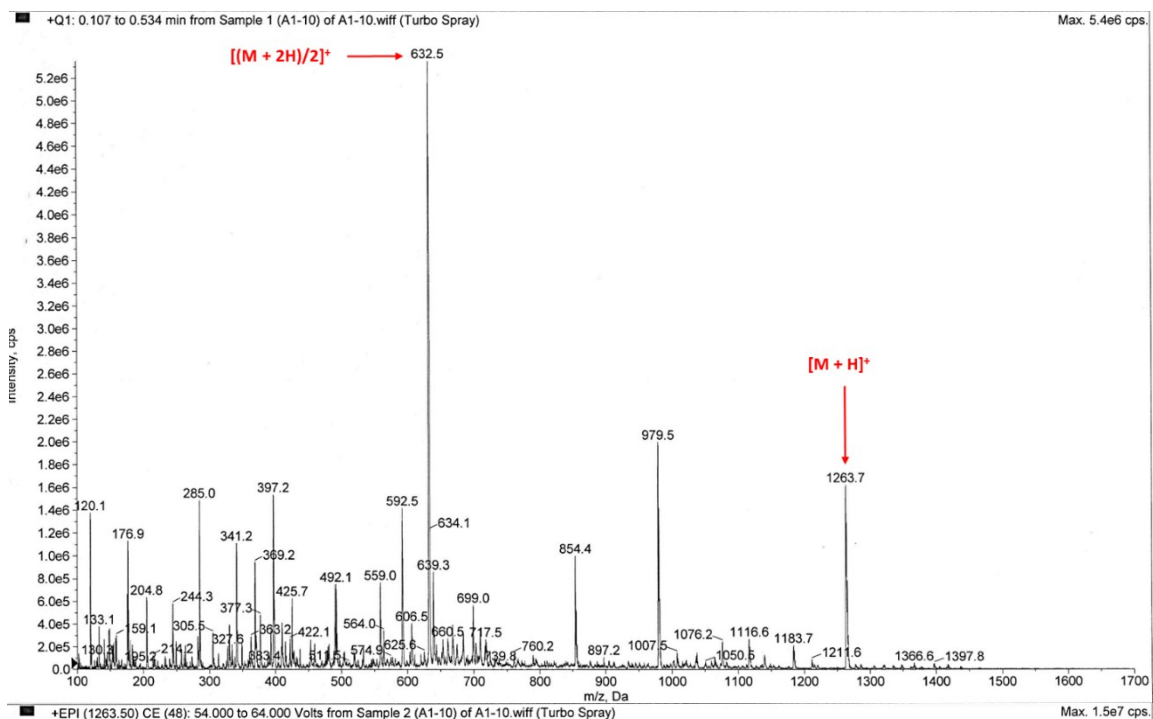
Test 7
Nall-Nffa-Nall-Nmba-Nbna-Nffa
Exact Mass: 1152.6



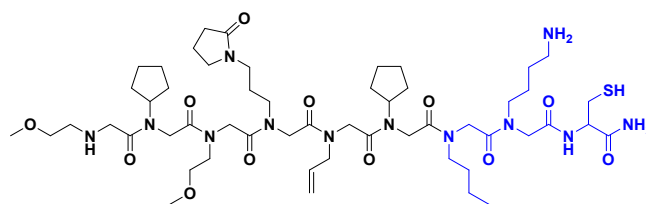
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Test 8
Nmea-Nbna-Ntmb-Ncpa-Nbna-Nffa
Exact Mass: 1262.6

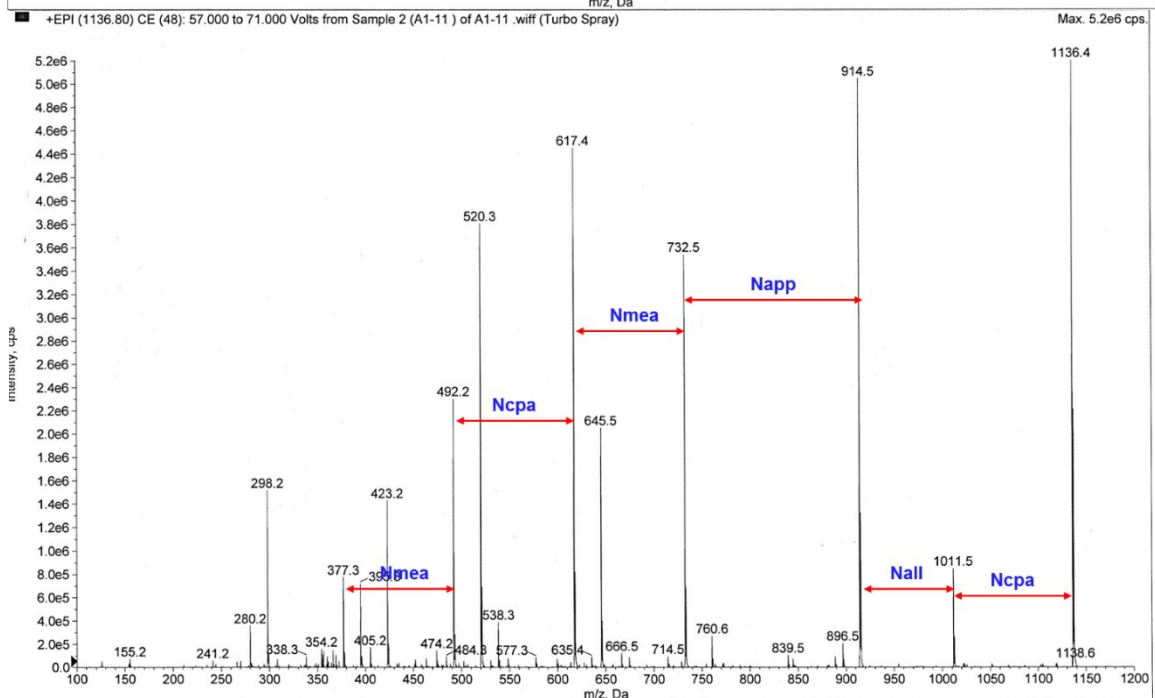
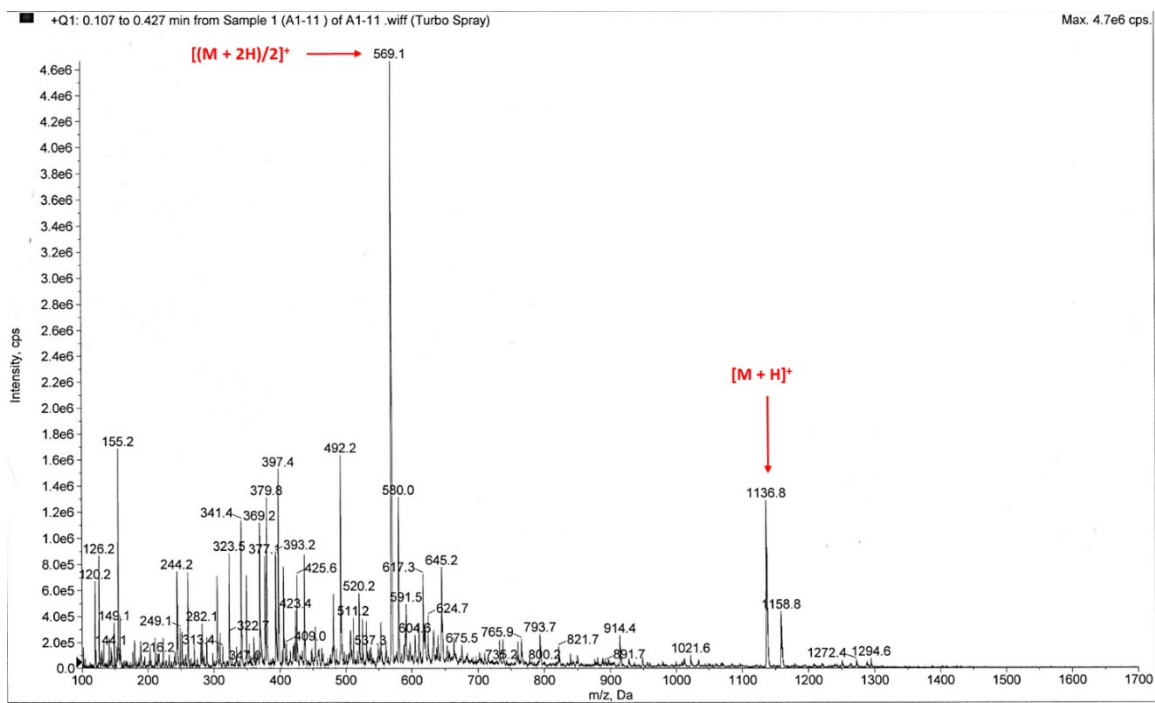


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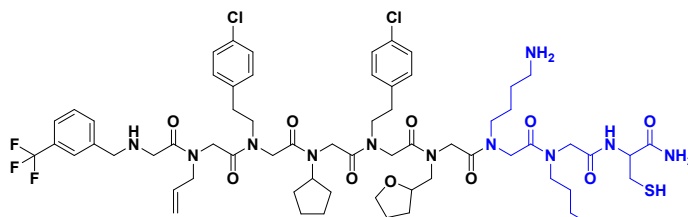


Test 9
Nmea-Ncpa-Nmea-Napp-Nall-Ncpa

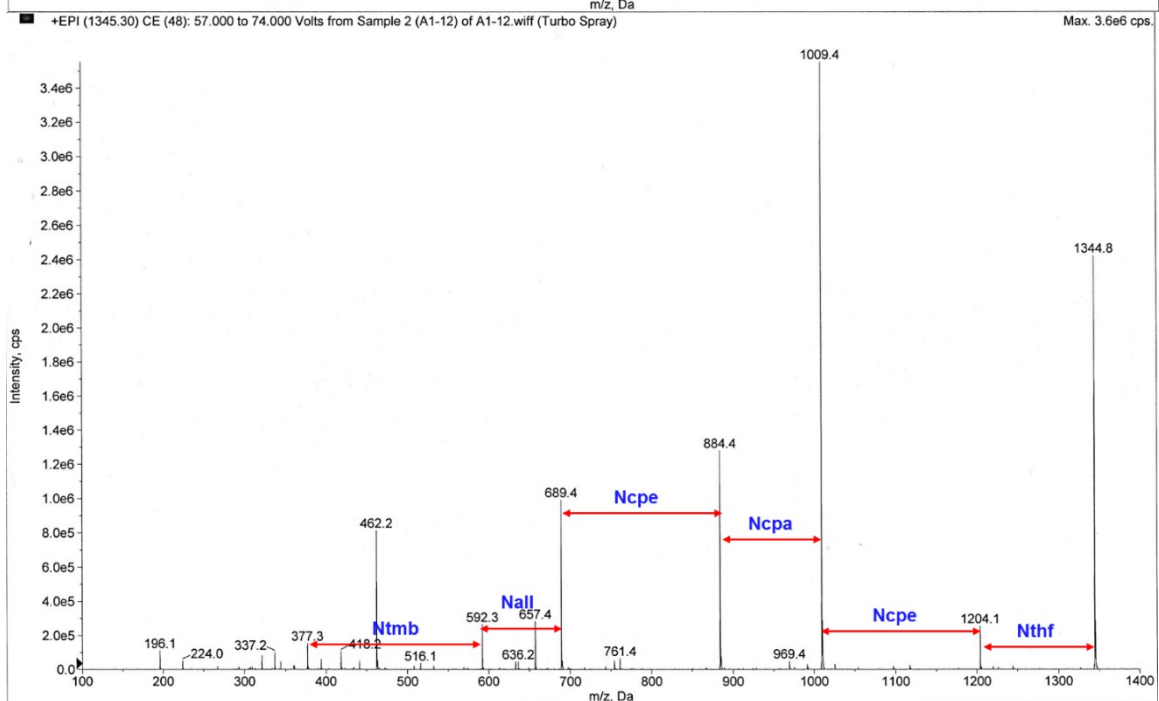
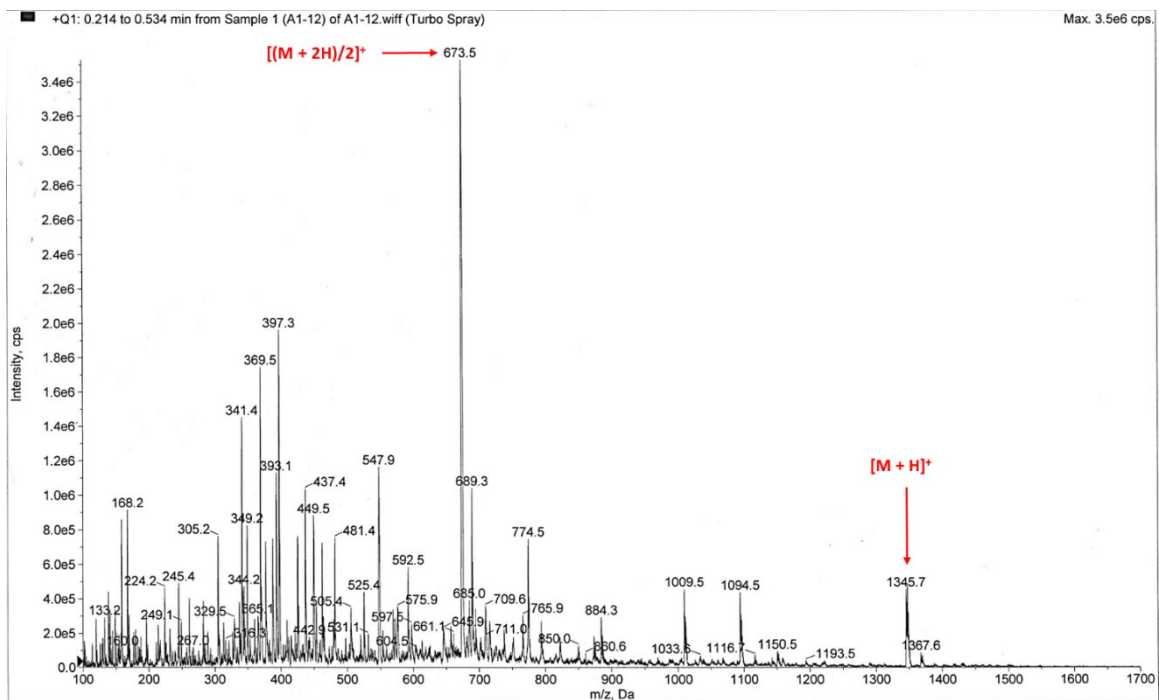
Exact Mass: 1135.7



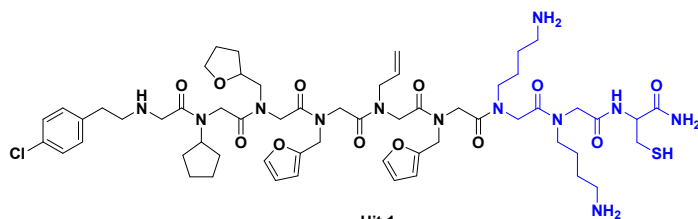
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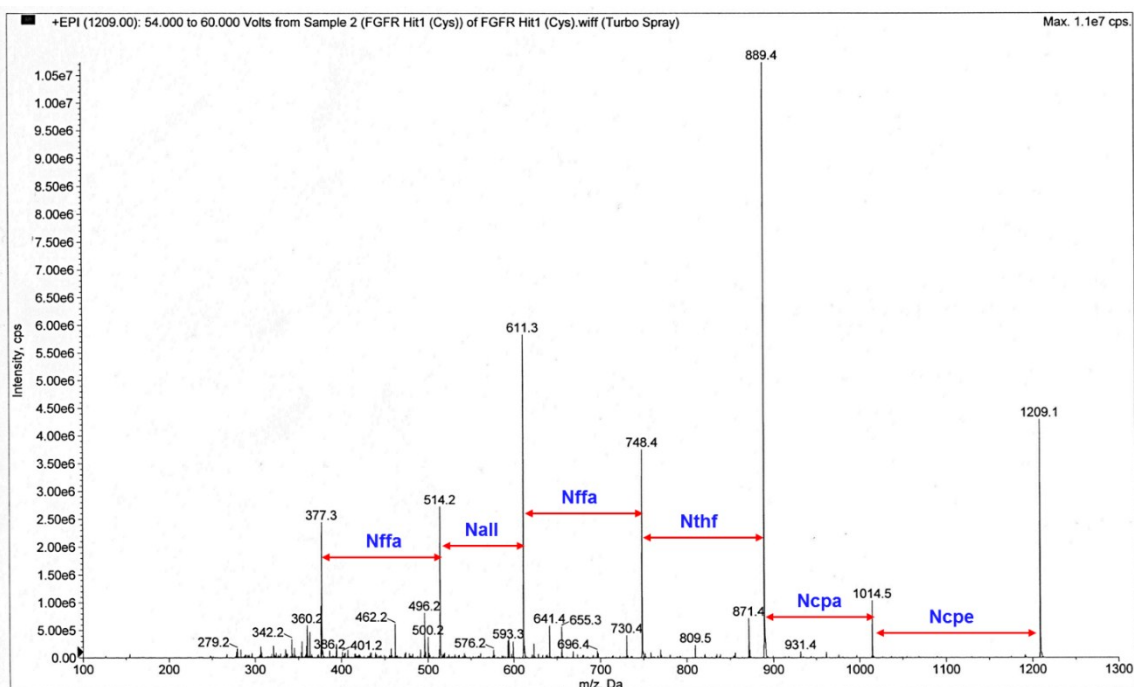
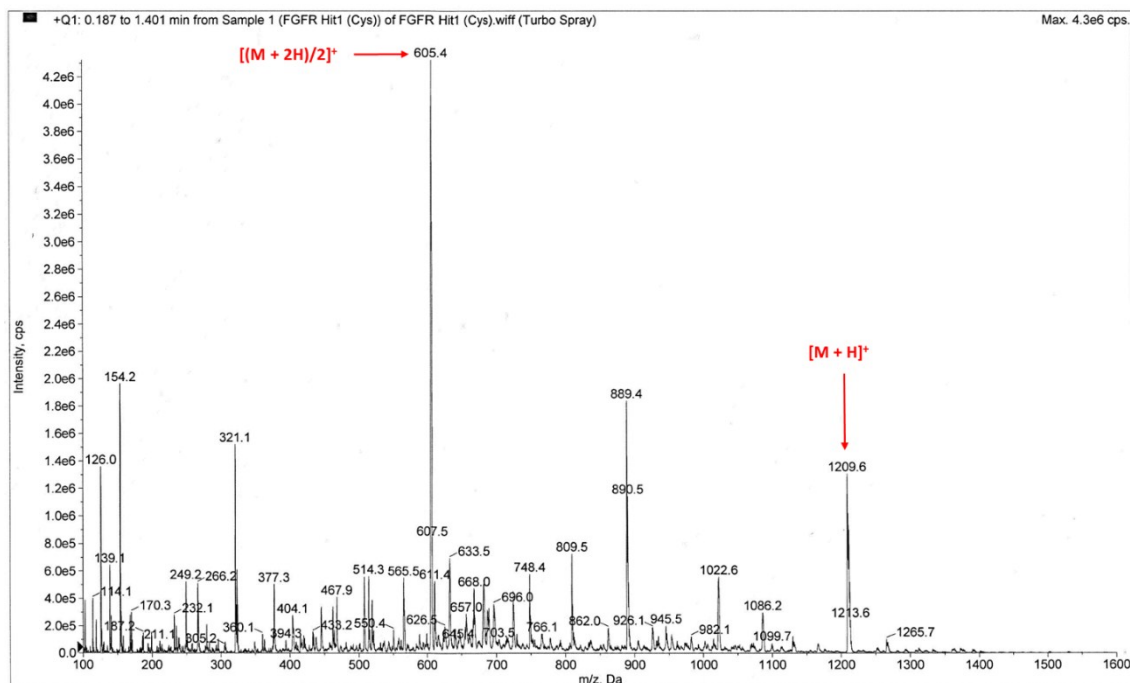
Test 10
Ntmb-Nall-Ncpe-Ncpa-Ncpe-Nthf
Exact Mass: 1344.6



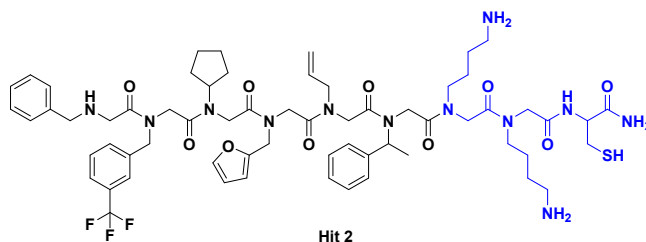
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Hit 1
Nffa-Nal-Nffa-Nthf-Ncpa-Ncpe
Exact Mass: 1208.6

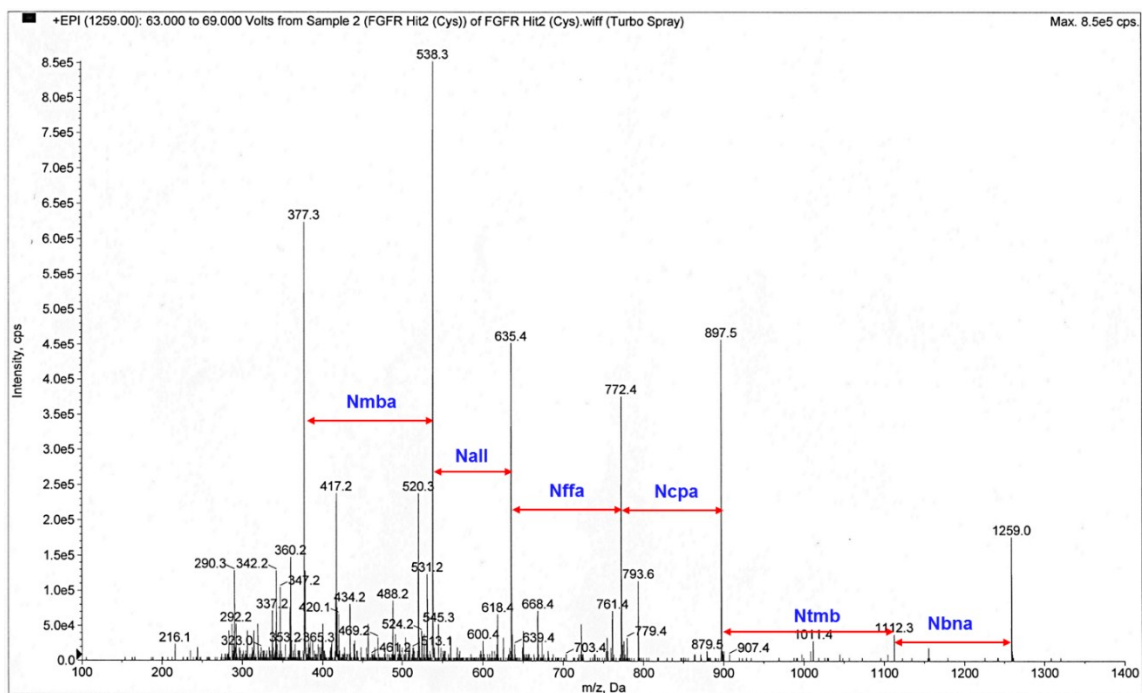
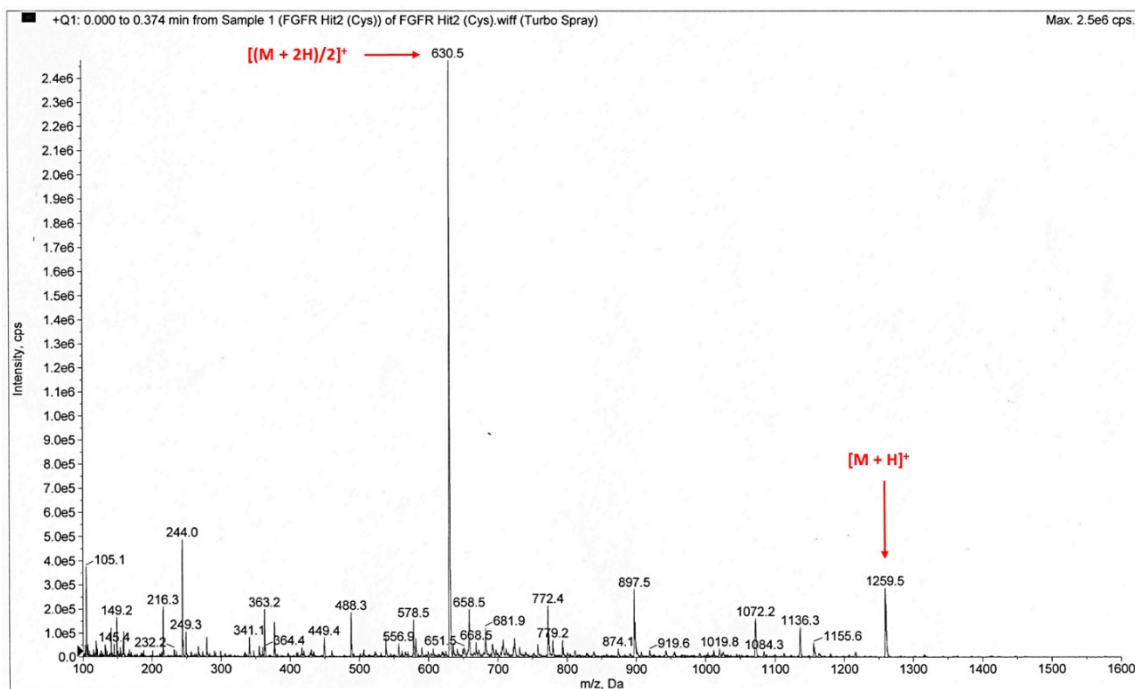


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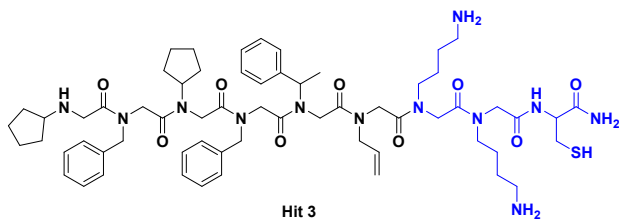


Nmba-Nall-Nffa-Ncpa-Ntmb-Nbna

Exact Mass: 1258.6

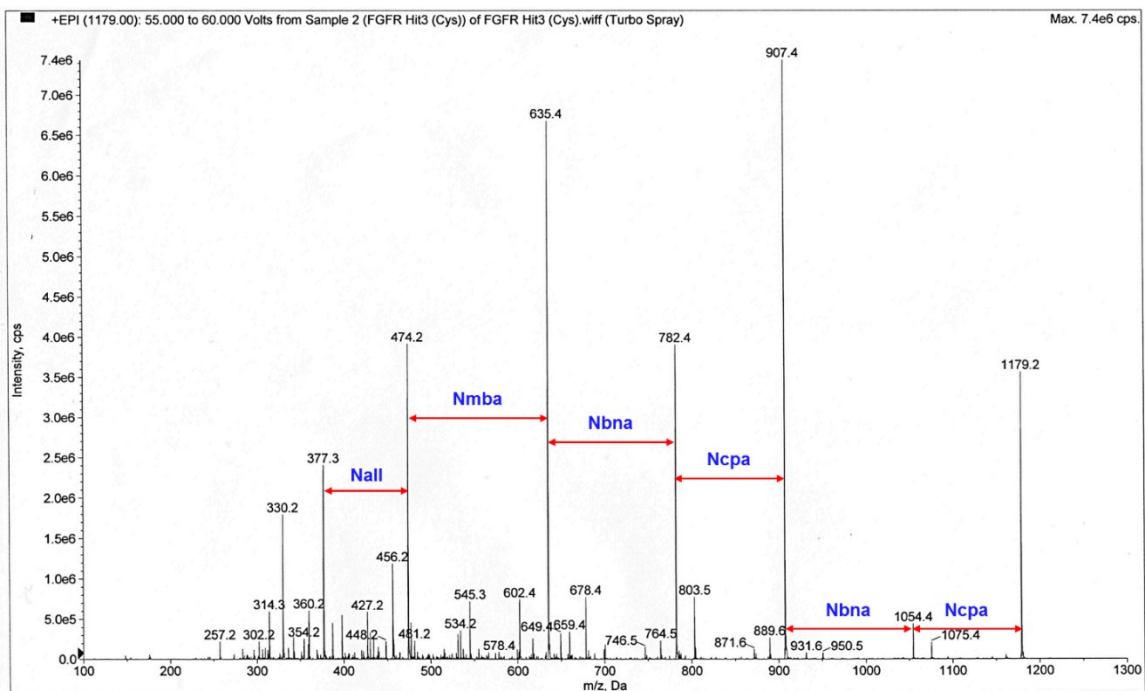
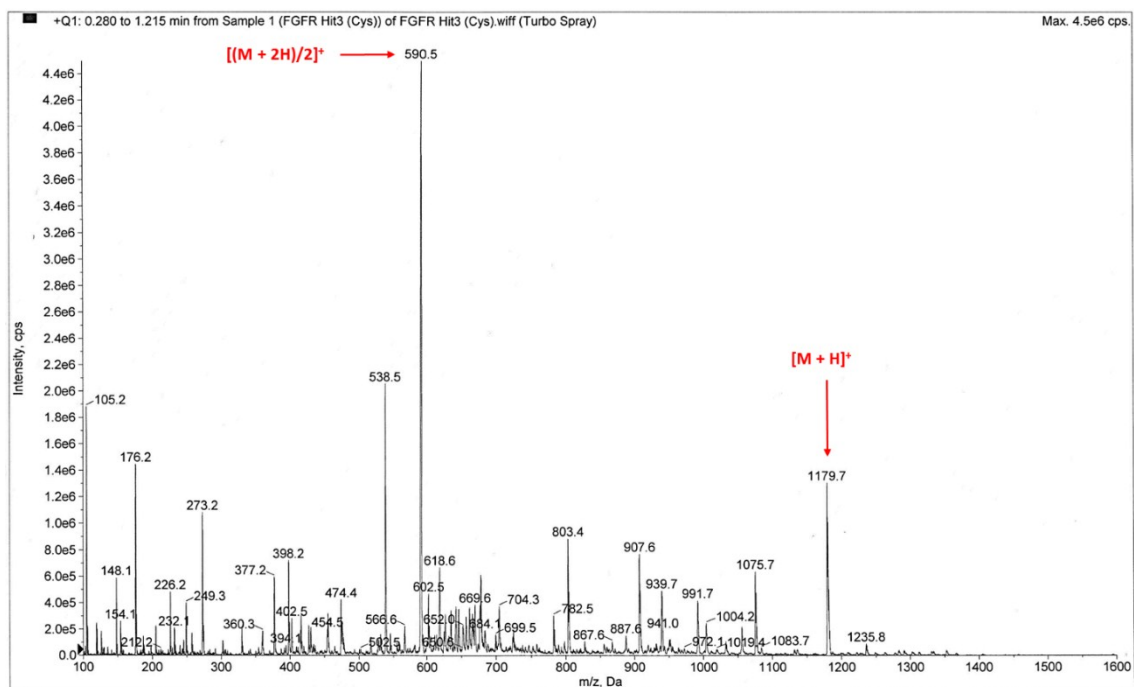


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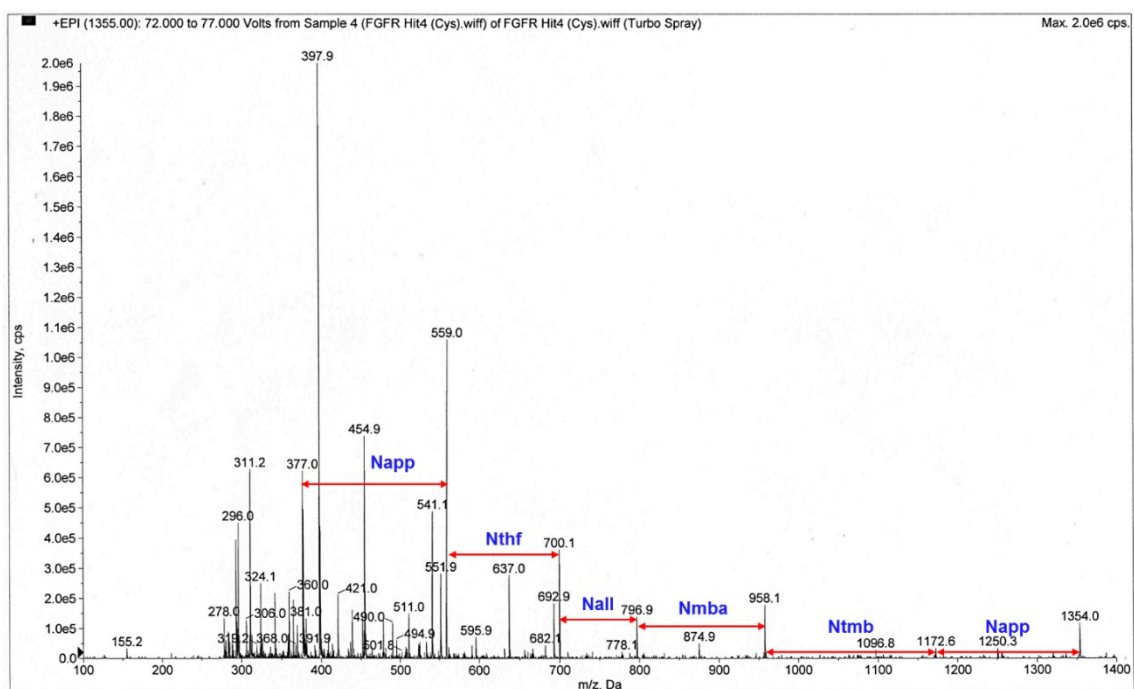
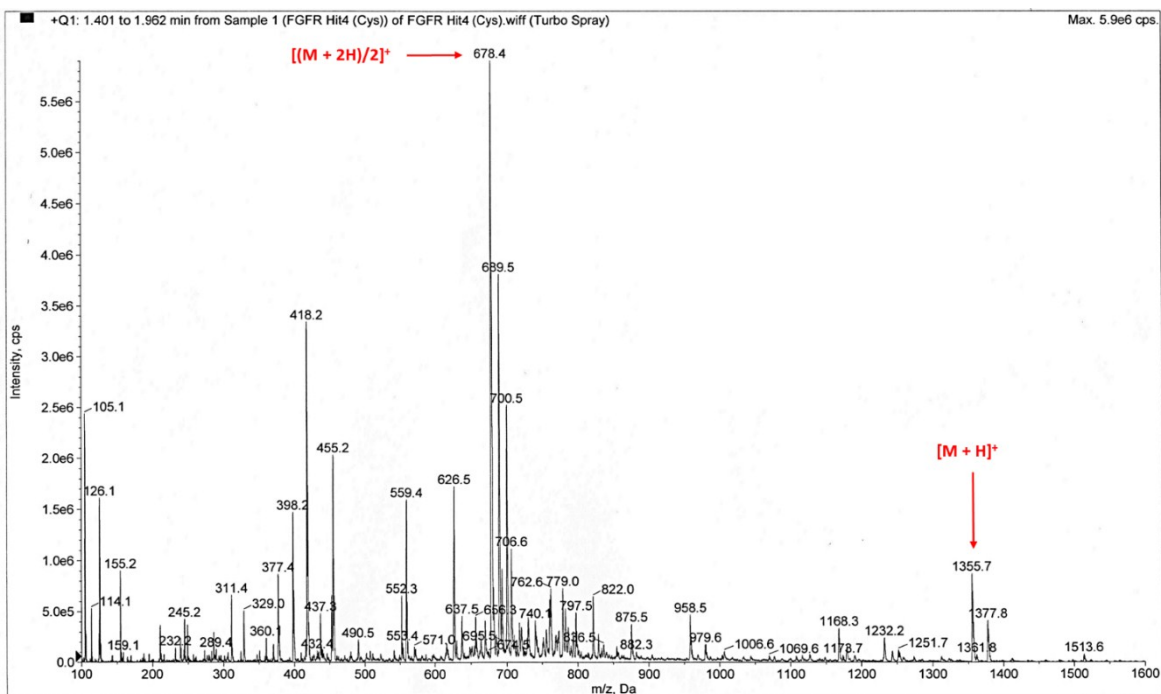
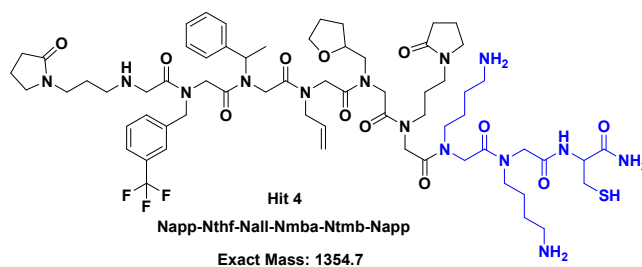


Nall-Nmba-Nbna-Ncpa-Nbna-Ncpa

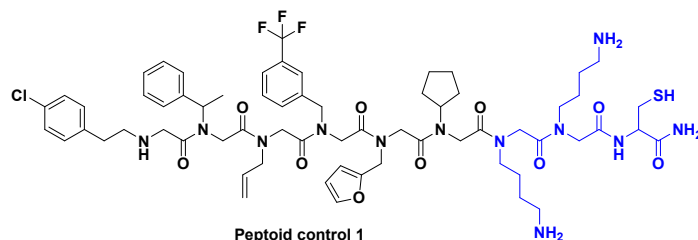
Exact Mass: 1178.7



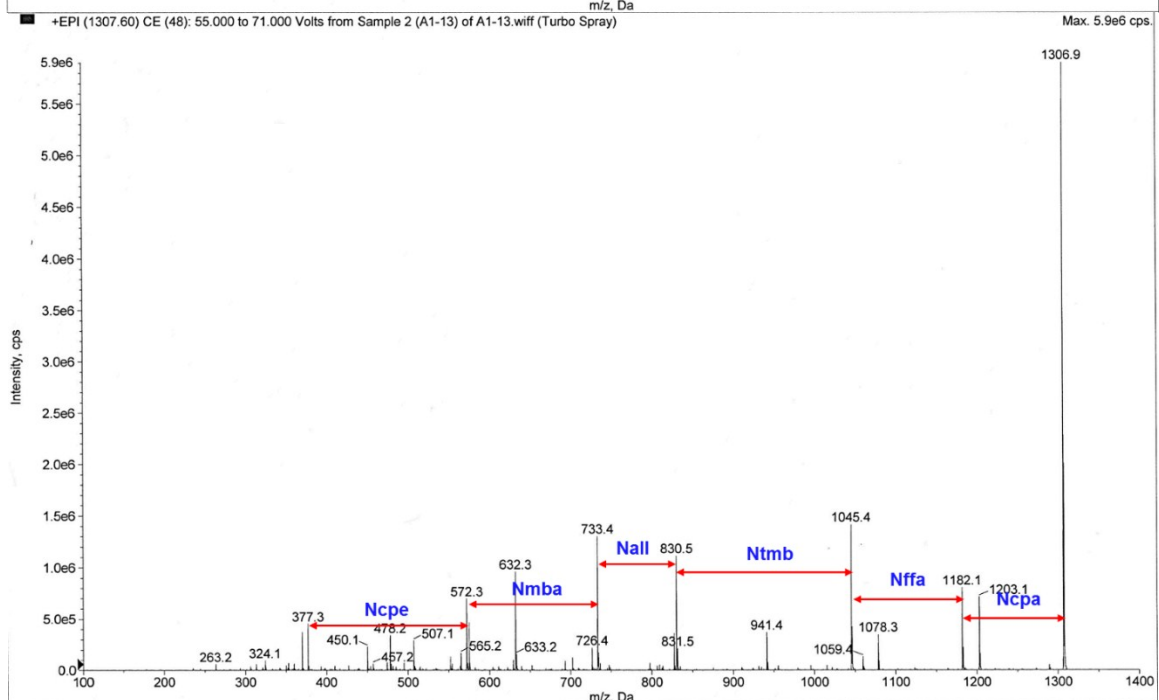
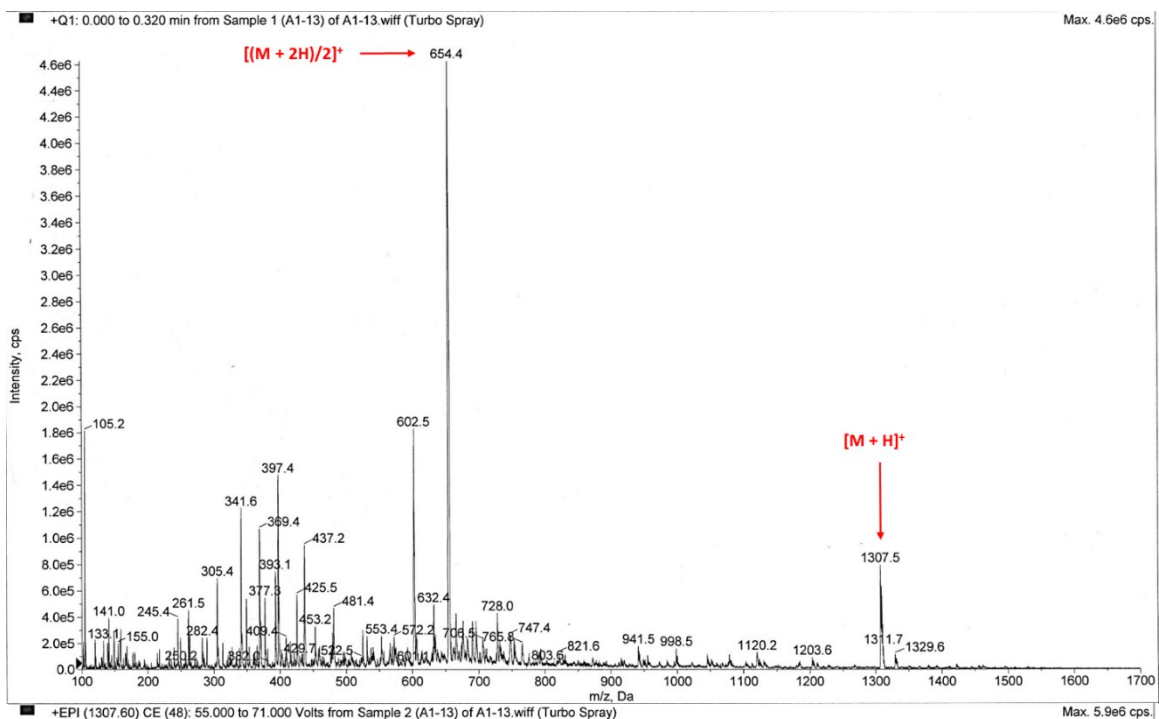
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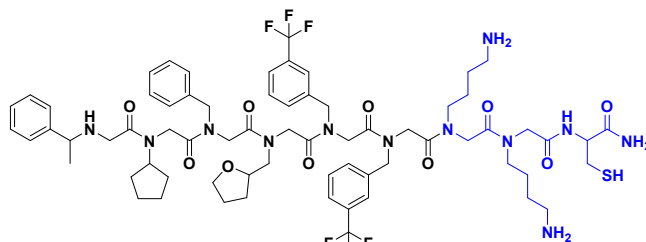
Supporting Information



Peptoid control 1
Ncpe-Nmba-Nall-Ntmb-Nffa-Ncpa
Exact Mass: 1306.6



Supporting Information



Peptoid control 2
Nmba-Ncpa-Nbna-Nthf-Ntmb-Ntmb
Exact Mass: 1380.7

