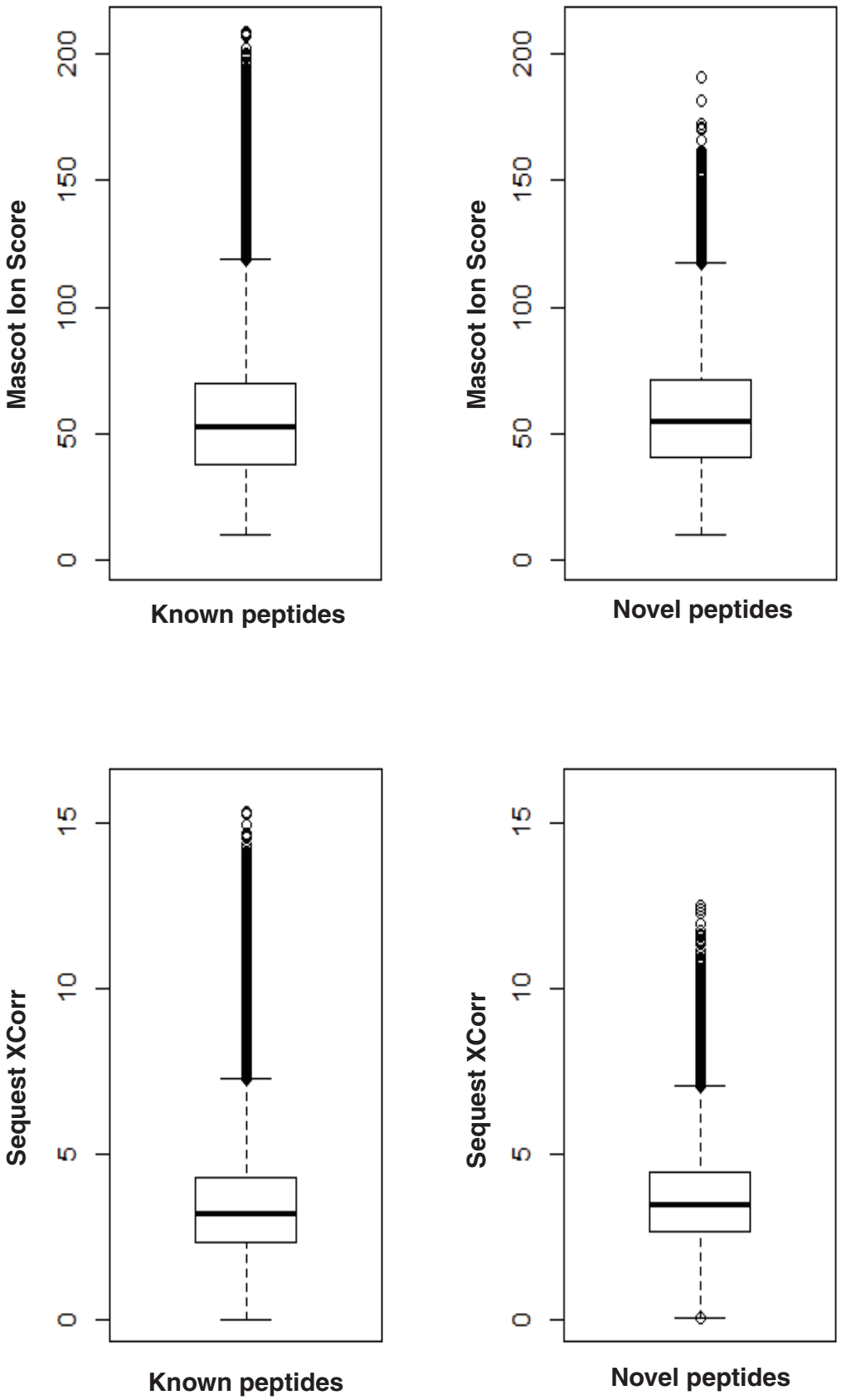
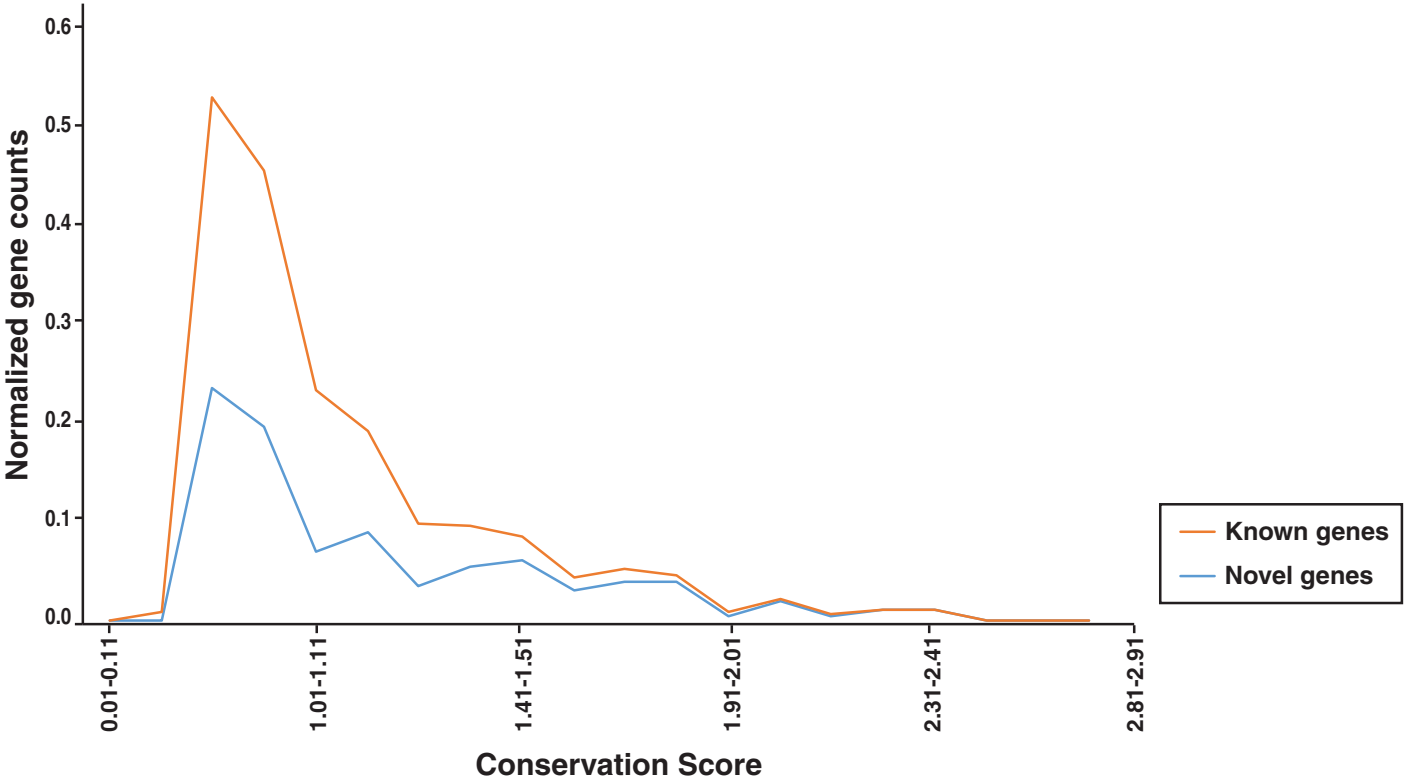
Supplemental Information

Supplemental Information Figure A



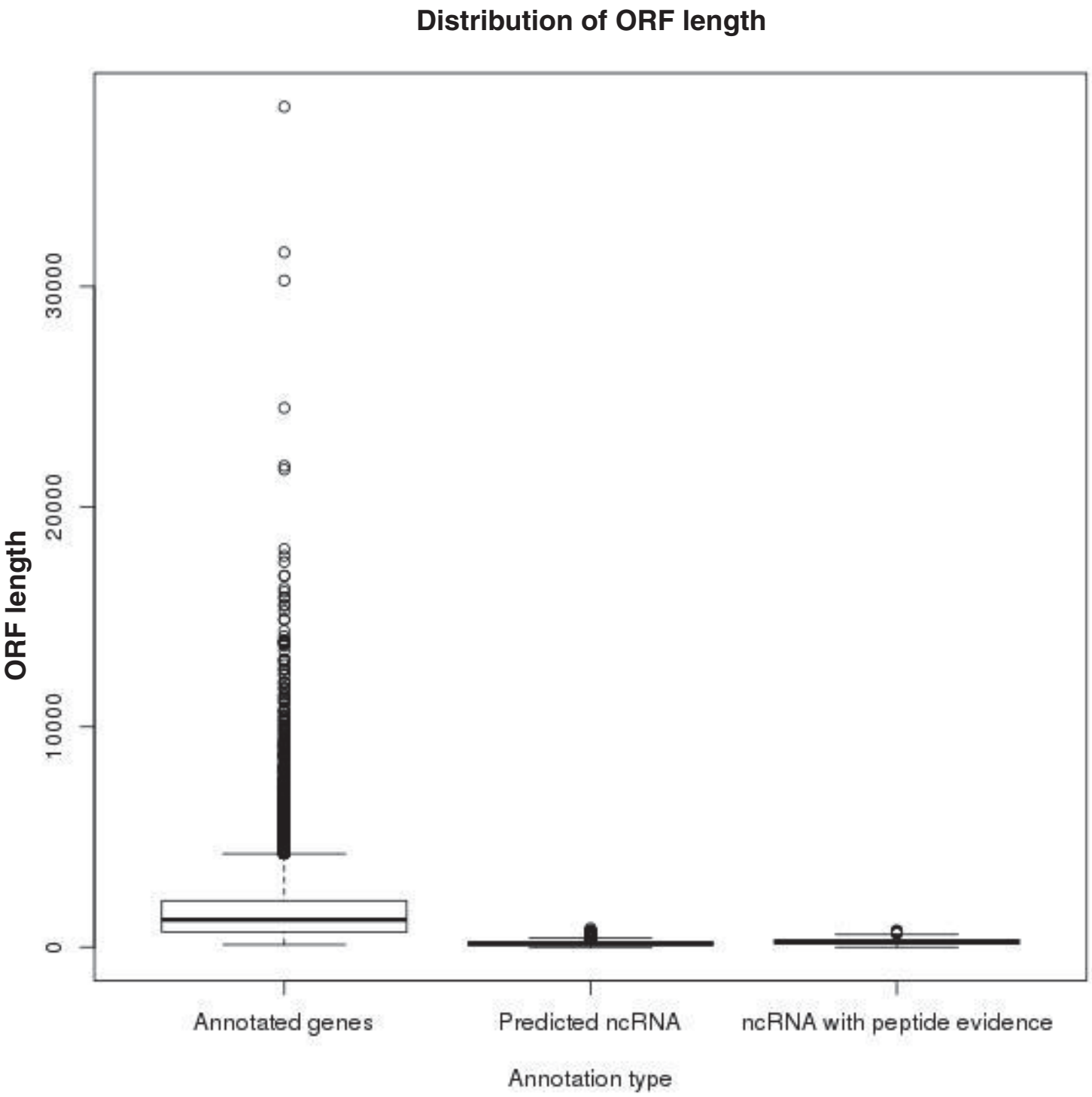
Supplemental Information Figure A. Distribution of mascot (ion score) and Sequest (XCorr) scores for known and novel peptides. The mean sequest and mascot scores for known and novel peptides were calculated and were found to be similar for known and novel peptides.

Supplemental Information Figure B



Supplemental Information Figure B. Conservation analysis of known and novel genes. Evolutionary rates were calculated from OrthoDB database and were found to be similar for both known and novel genes .

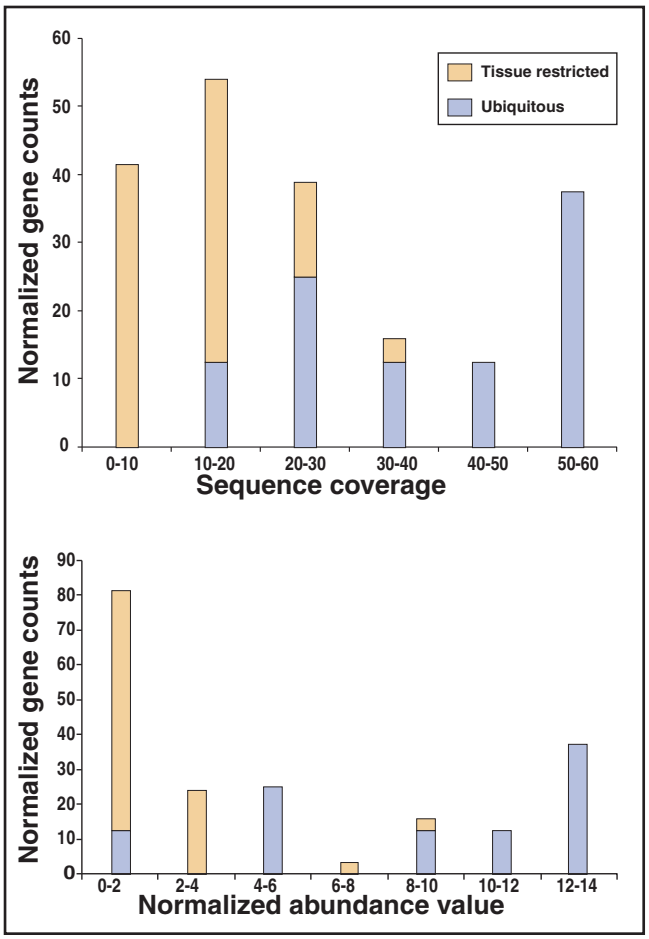
Supplemental Information Figure C



Supplemental Information Figure C. Distribution of ORF length in annotated genes, predicted non-coding RNAs and non-coding RNAs with peptide evidence from proteomic data. The median length of reading frames for annotated genes and non-coding RNAs was found to be ~1,240 bp and ~153 bp, respectively. The median length of reading frames for non-coding RNAs, which were found to have peptide evidence from proteomic data was ~225 bp.

Supplemental Information Figure D

i.



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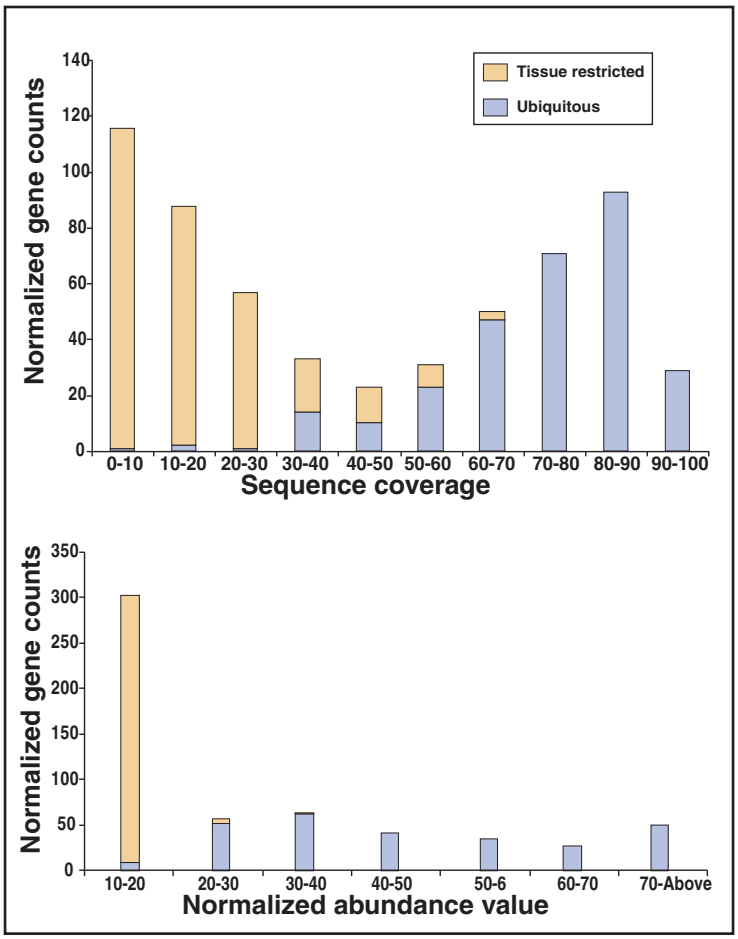

Supplemental Information Figure D. Spectral counts and sequence coverage for translated non-coding RNAs. i. The sequence coverage and spectral counts for translations from tissue restricted non-coding RNAs were lower than ubiquitously expressed non-coding RNAs. ii. Similar trend was observed for ubiquitously expressed and tissue restricted known proteins**.**

Experimentally Validated MS/MS spectra

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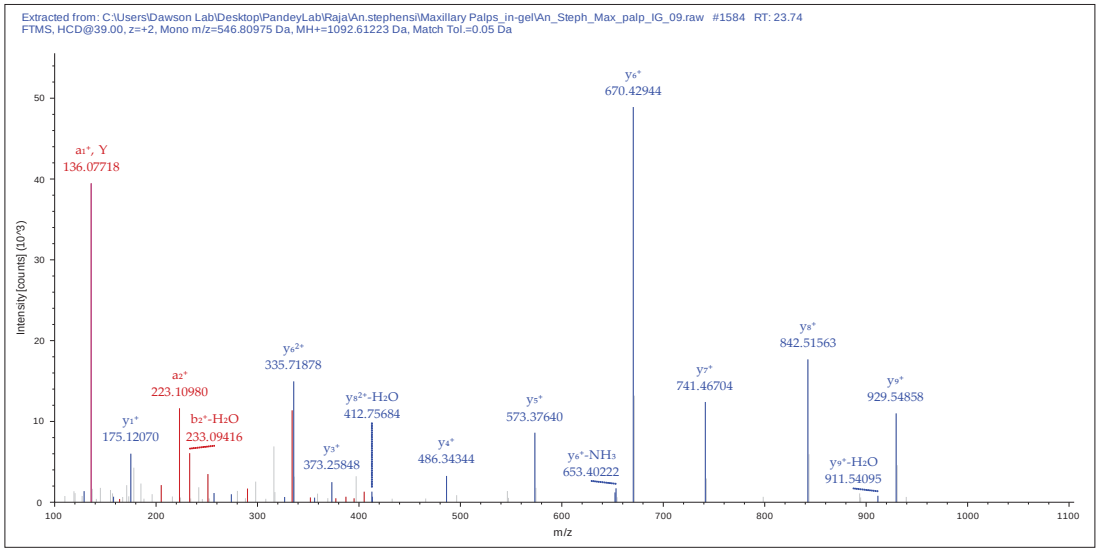
Experiment



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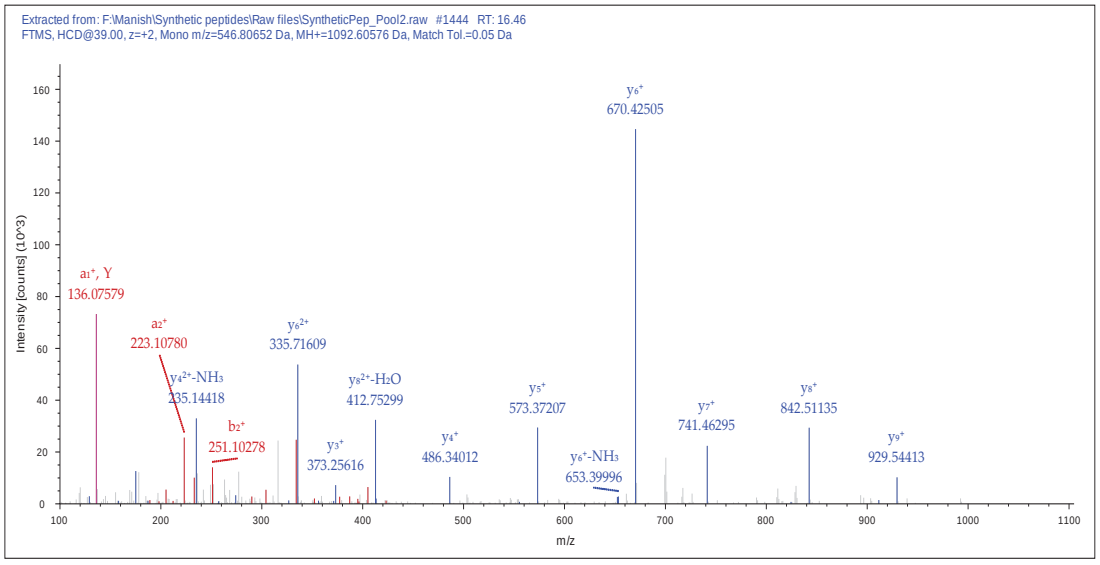

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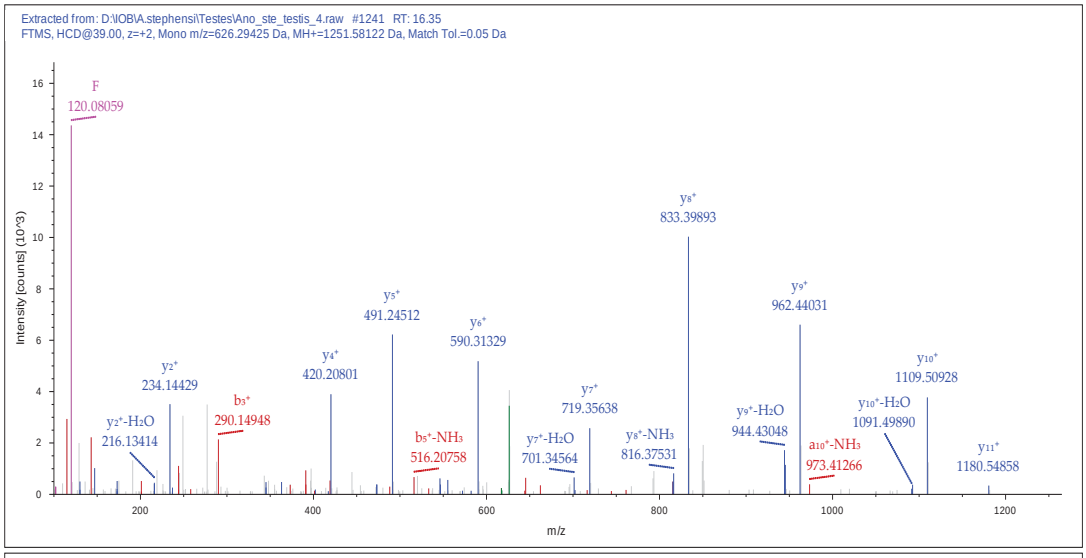

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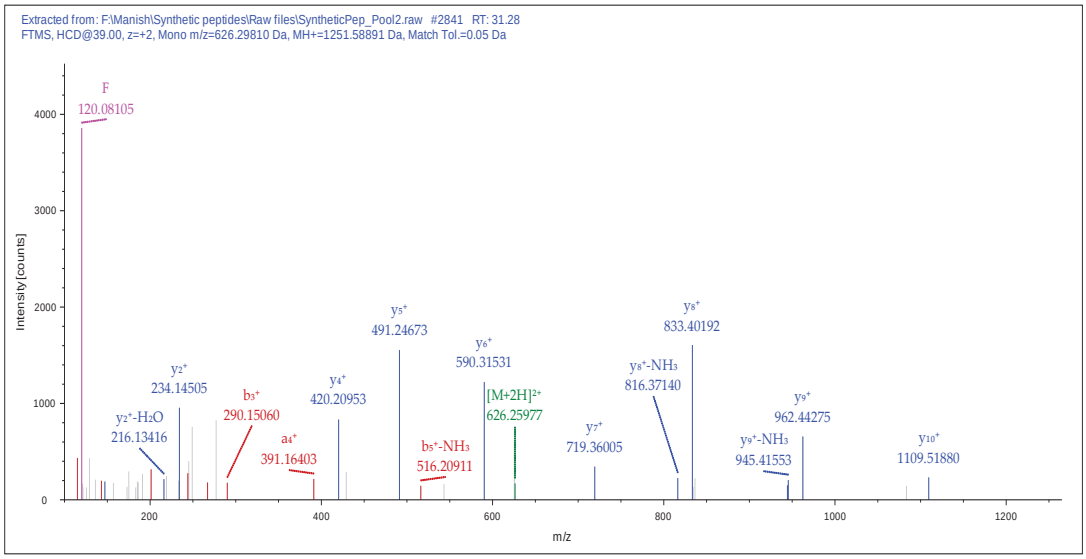

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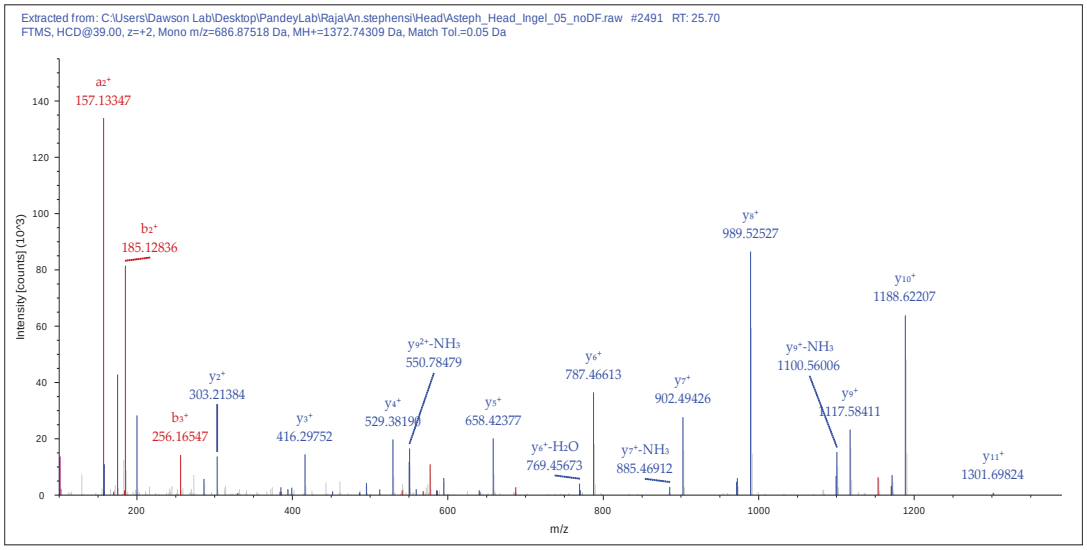

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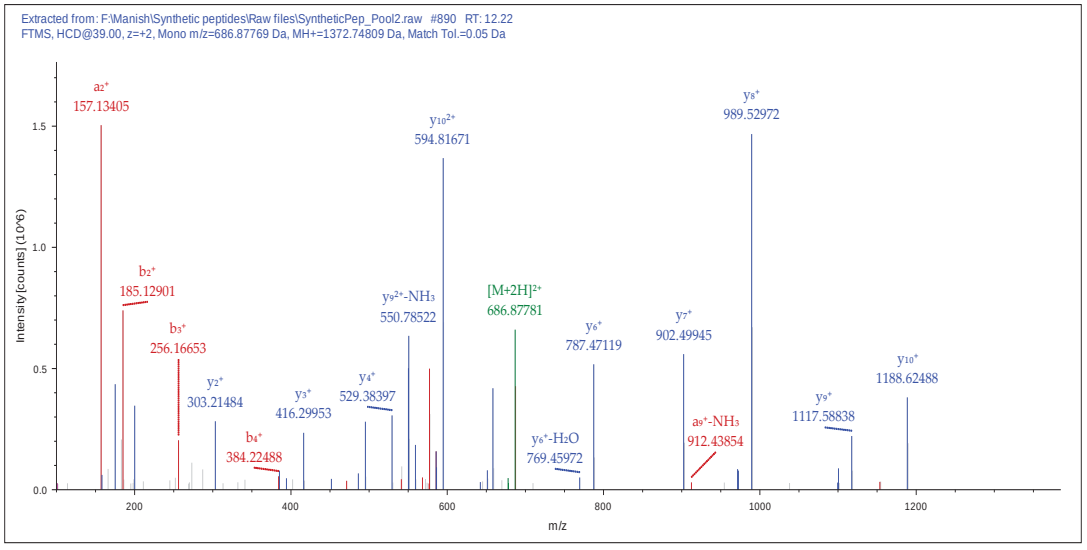

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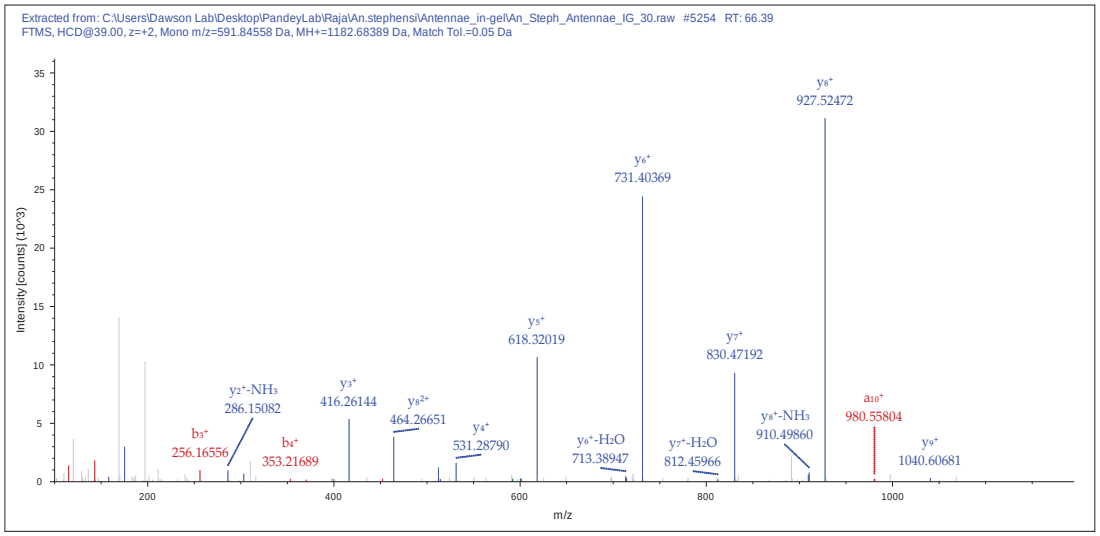

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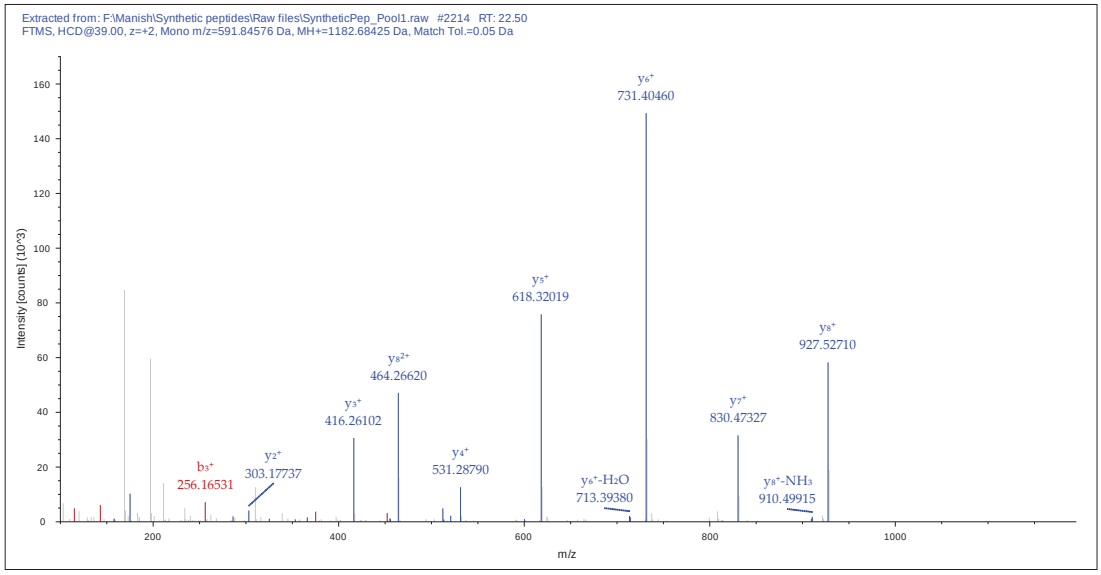

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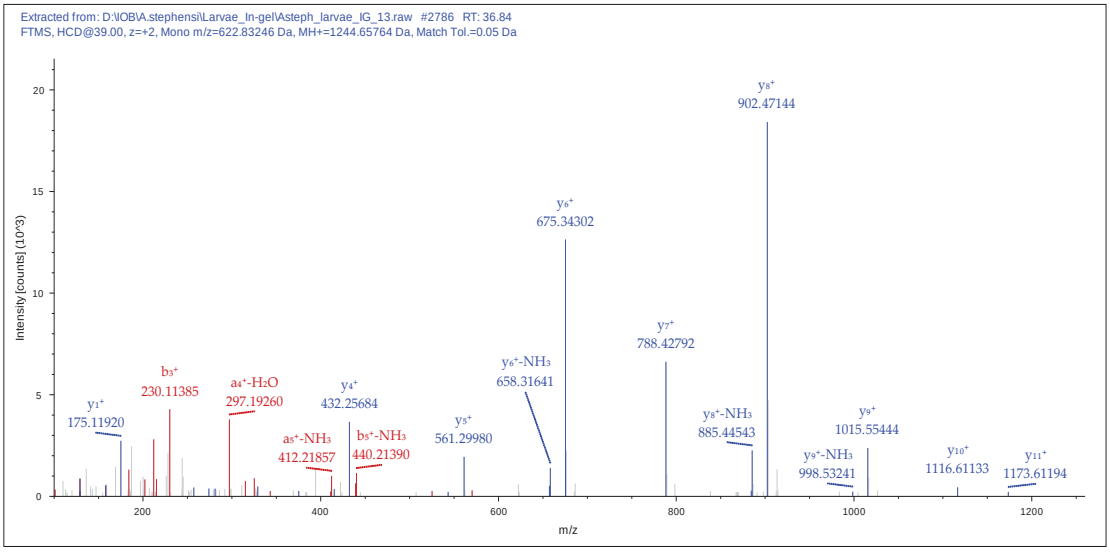

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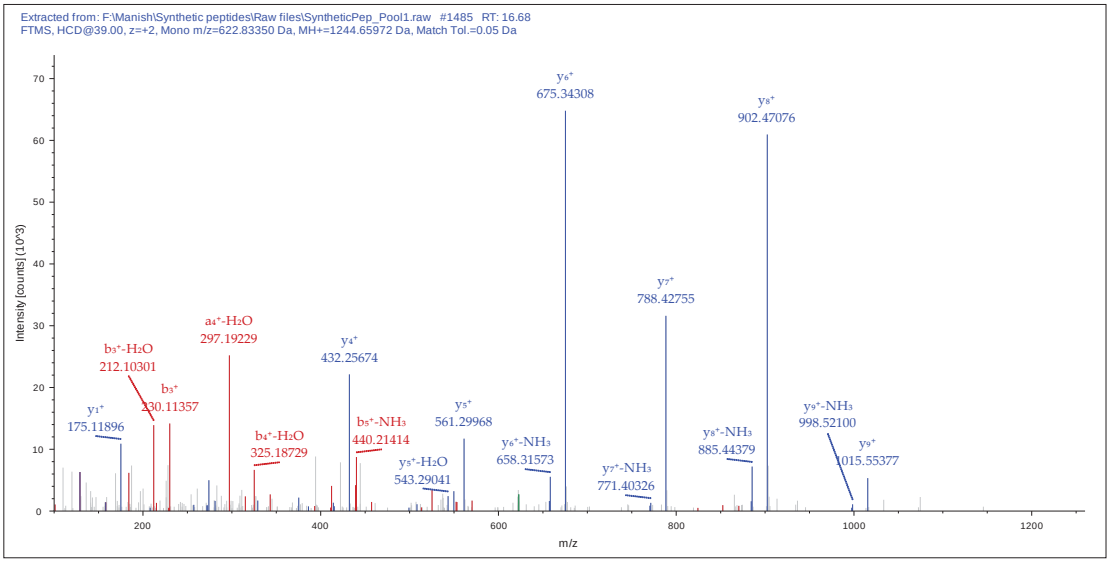

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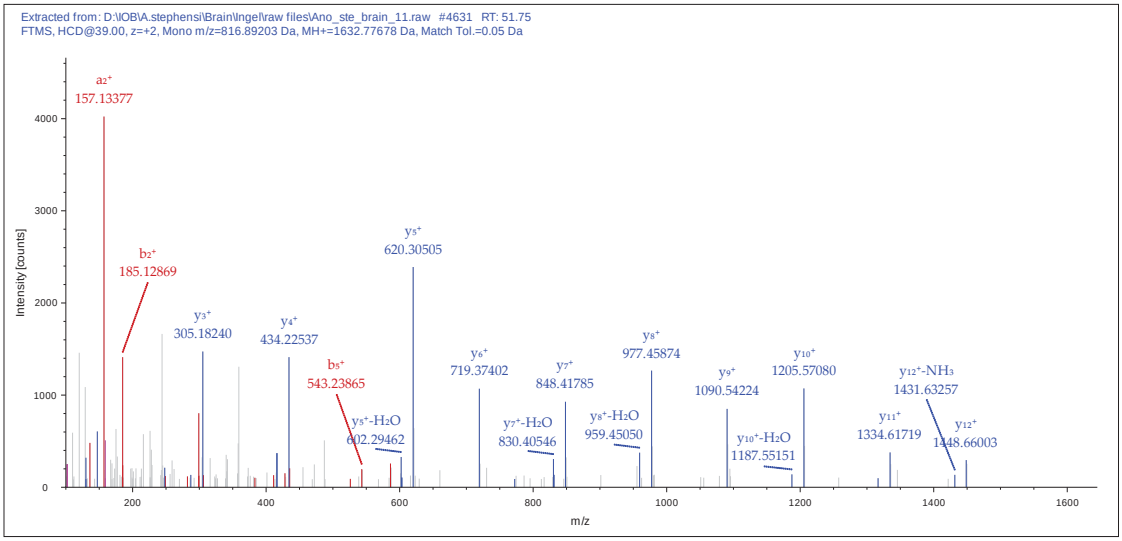

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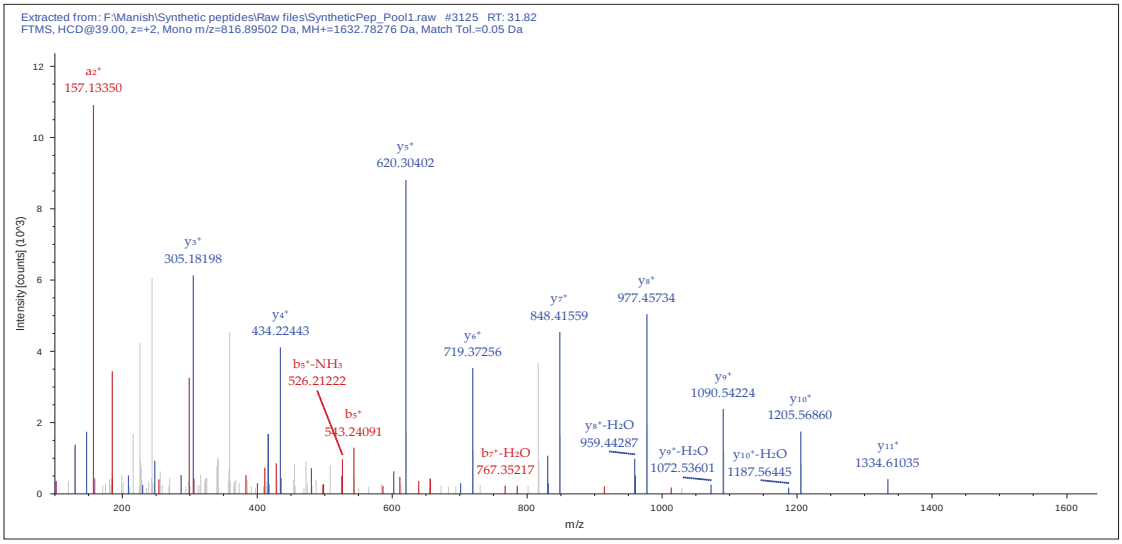

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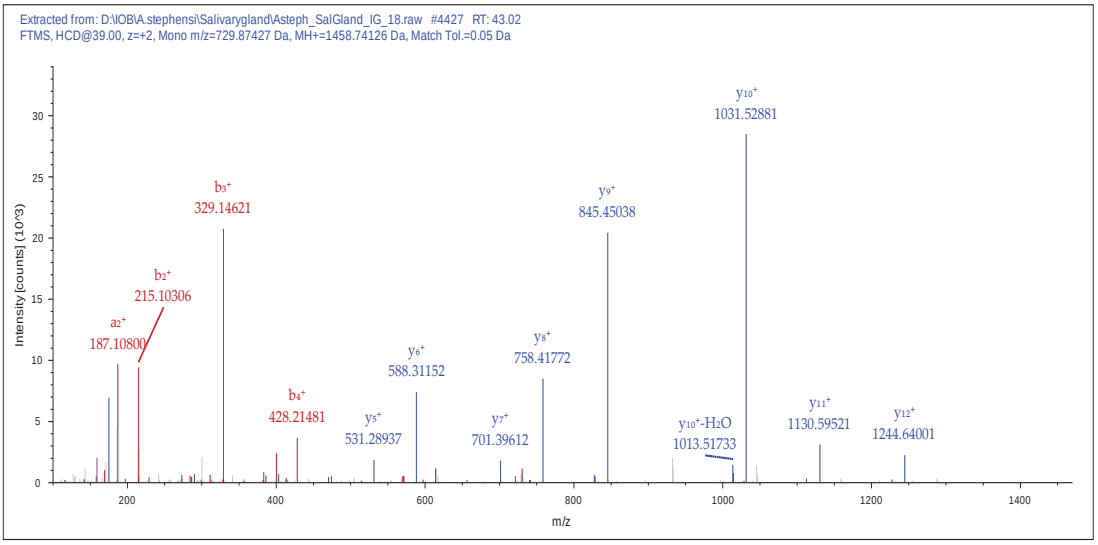

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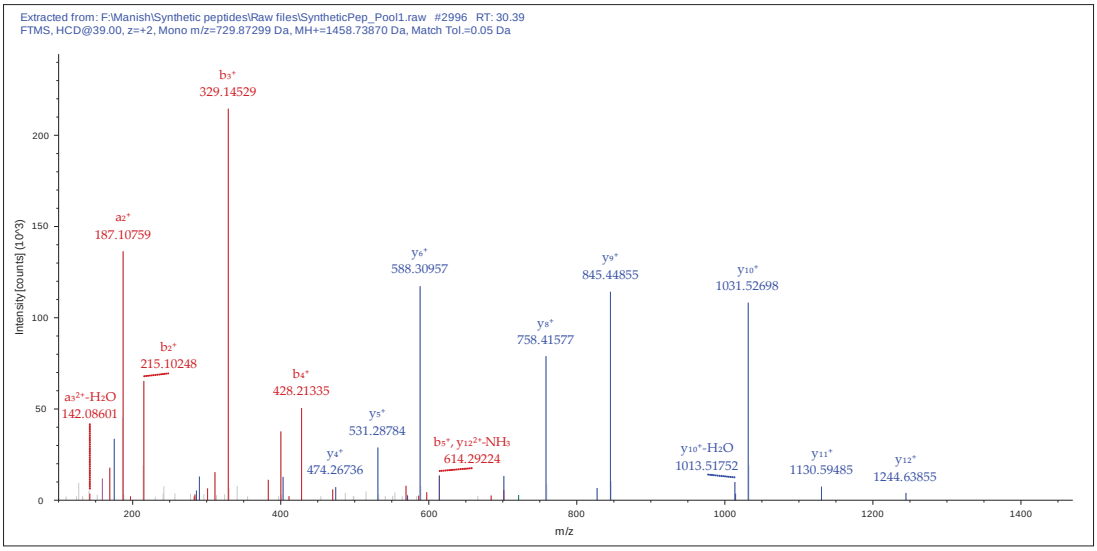

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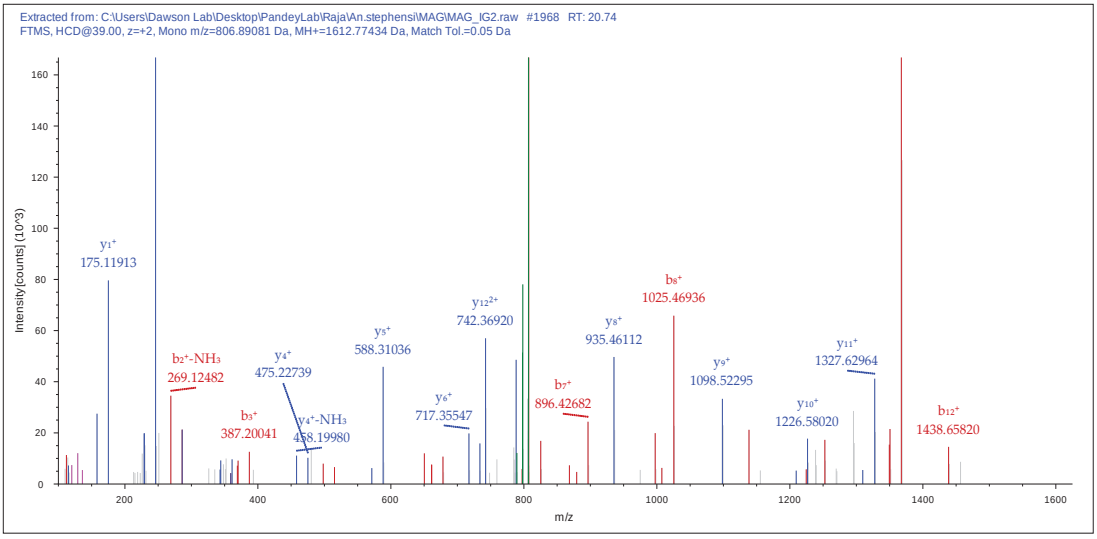

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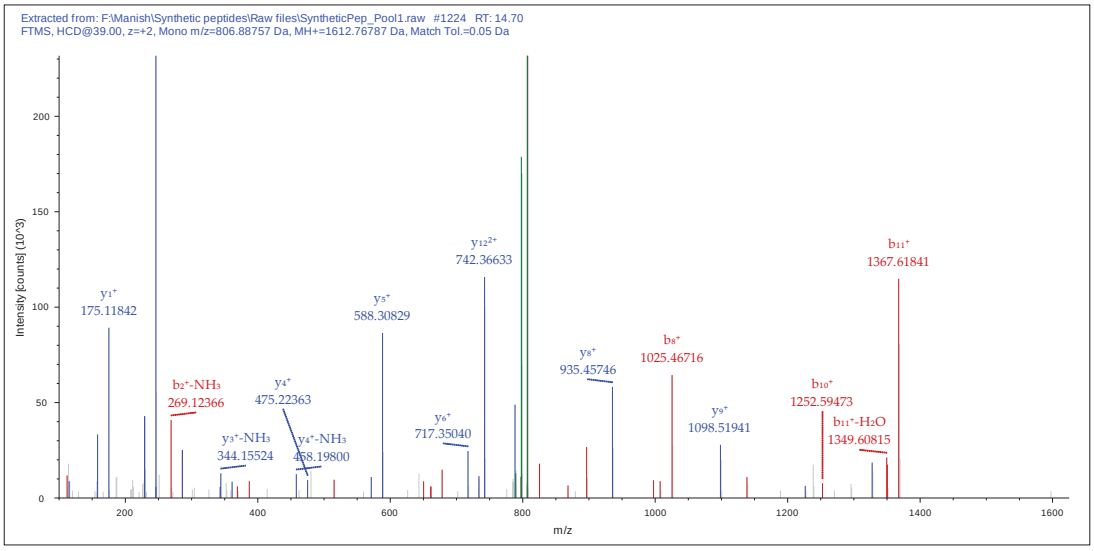

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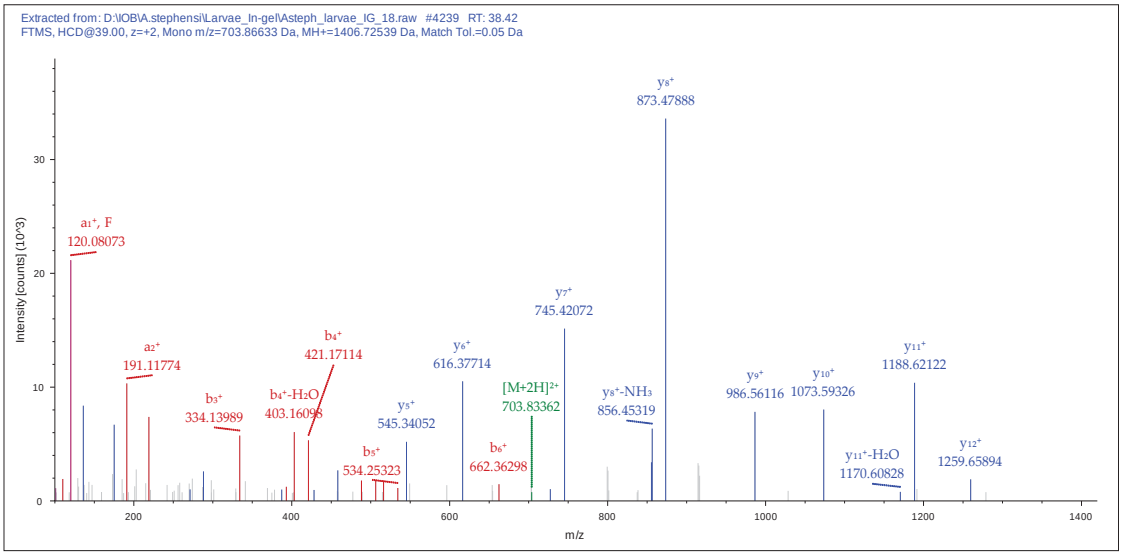

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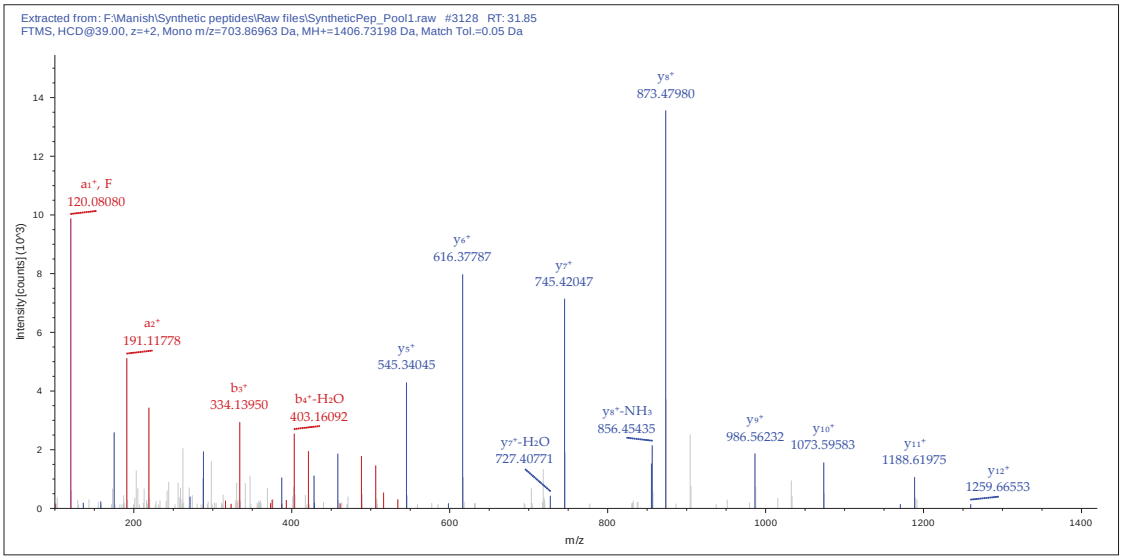

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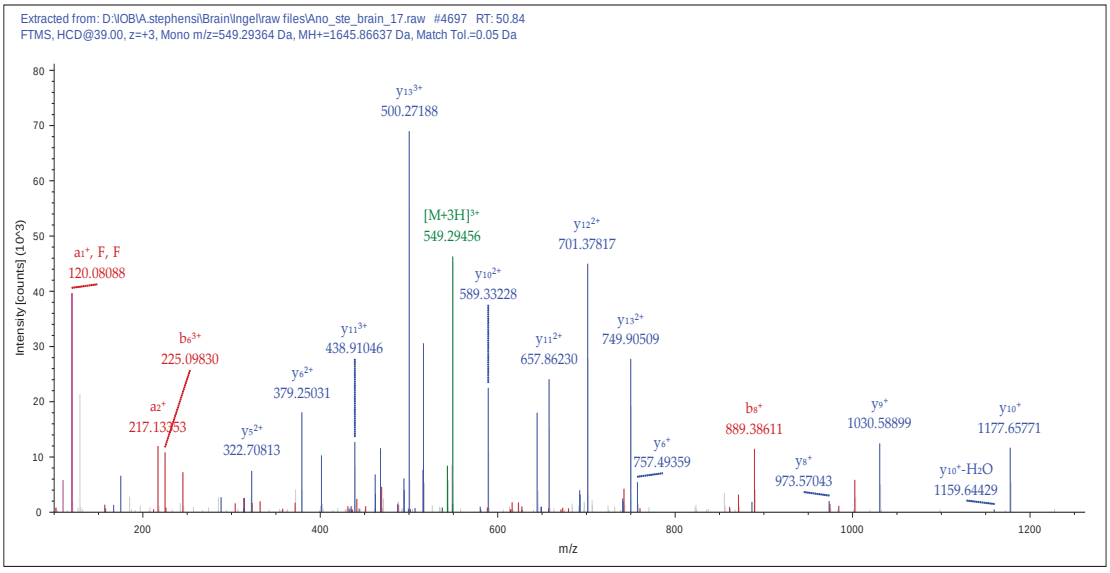

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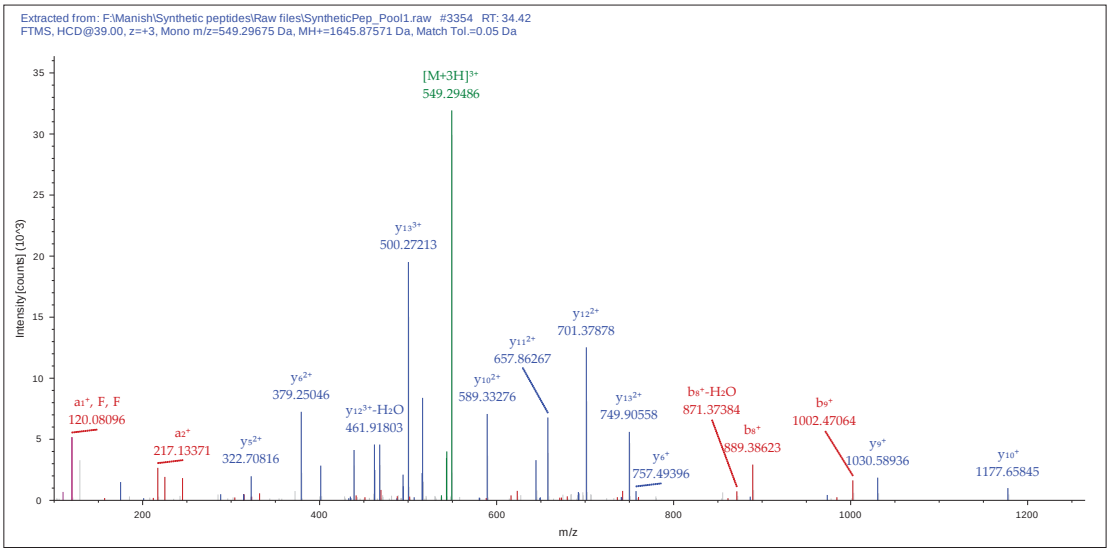

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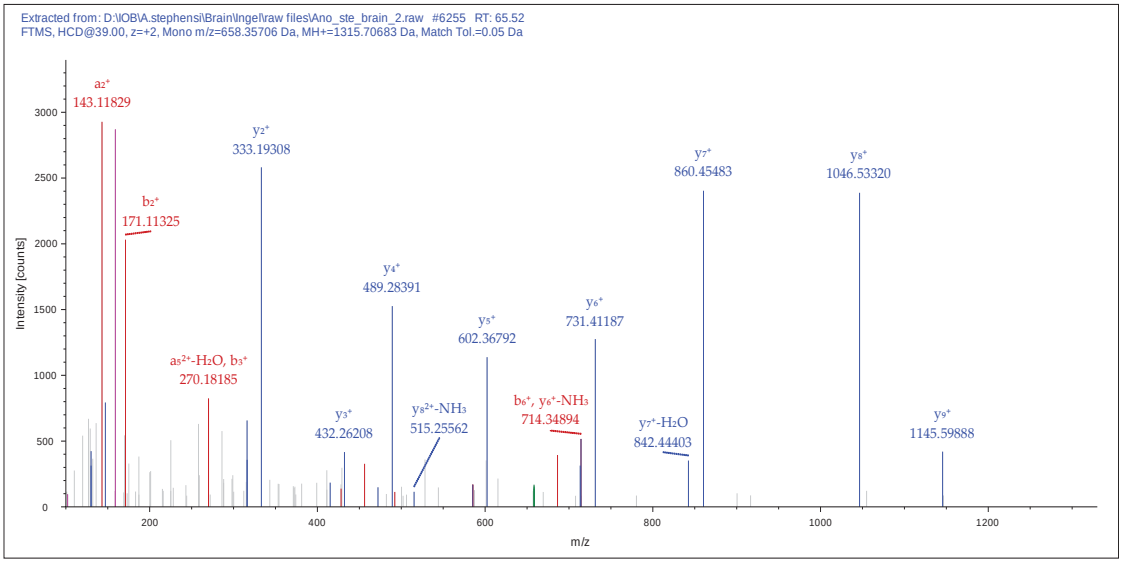

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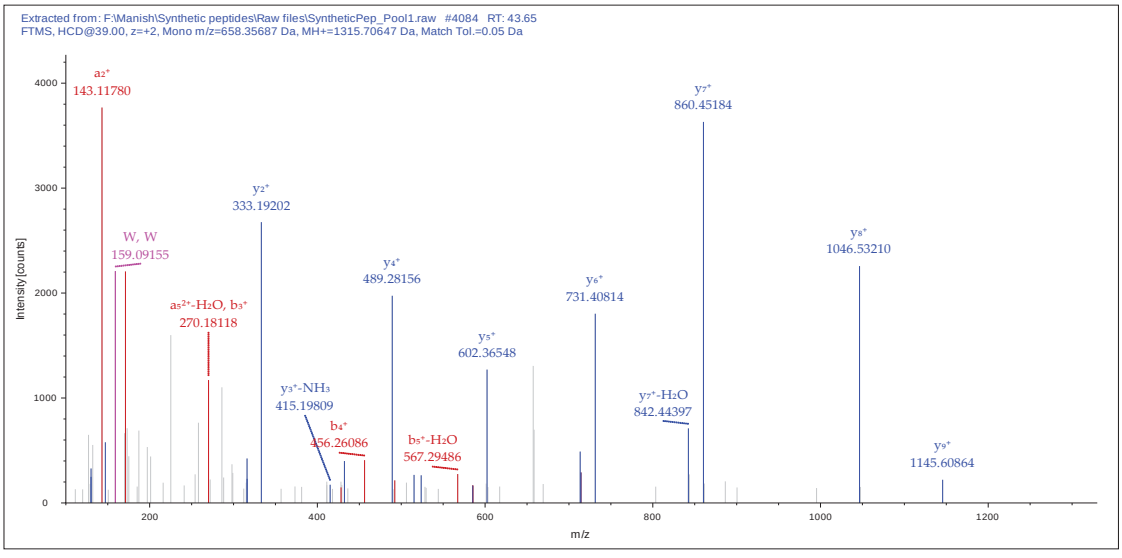

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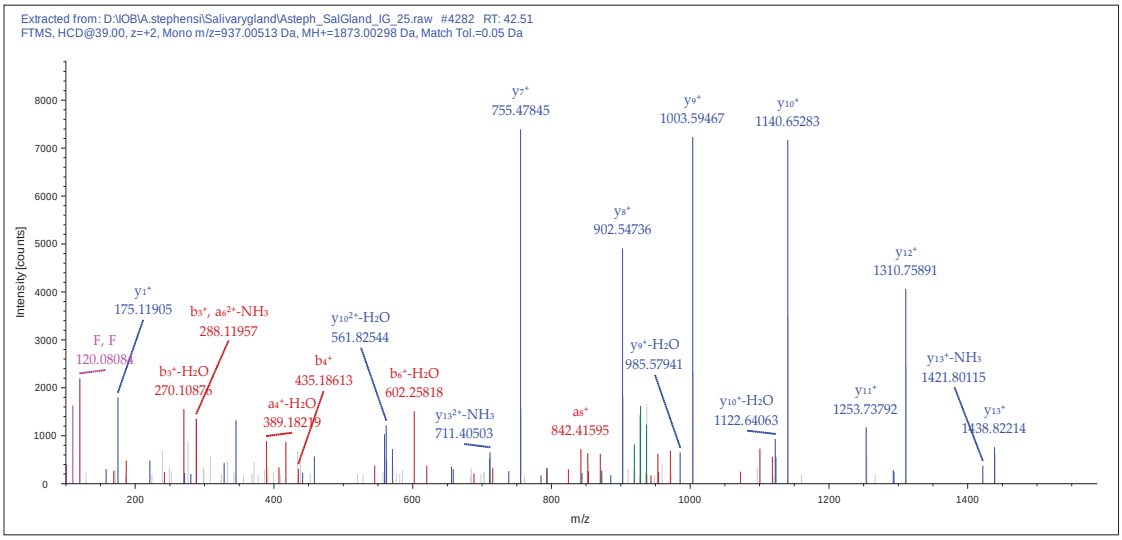

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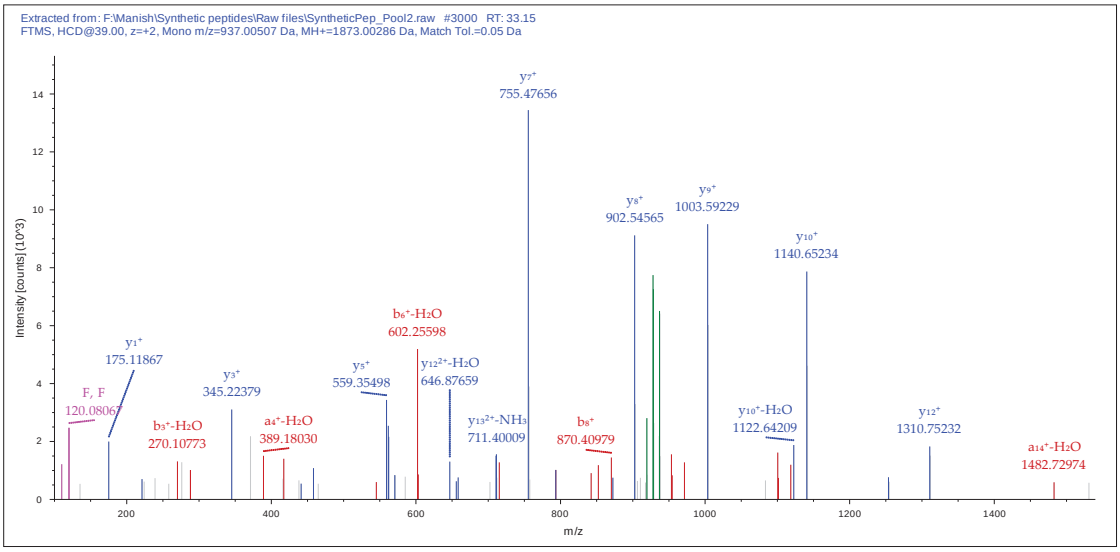

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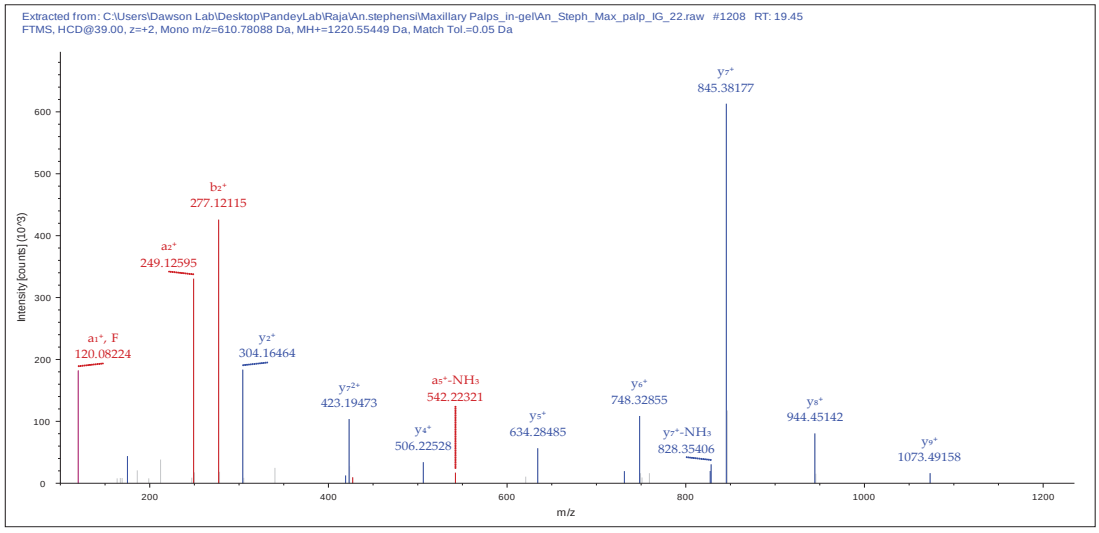

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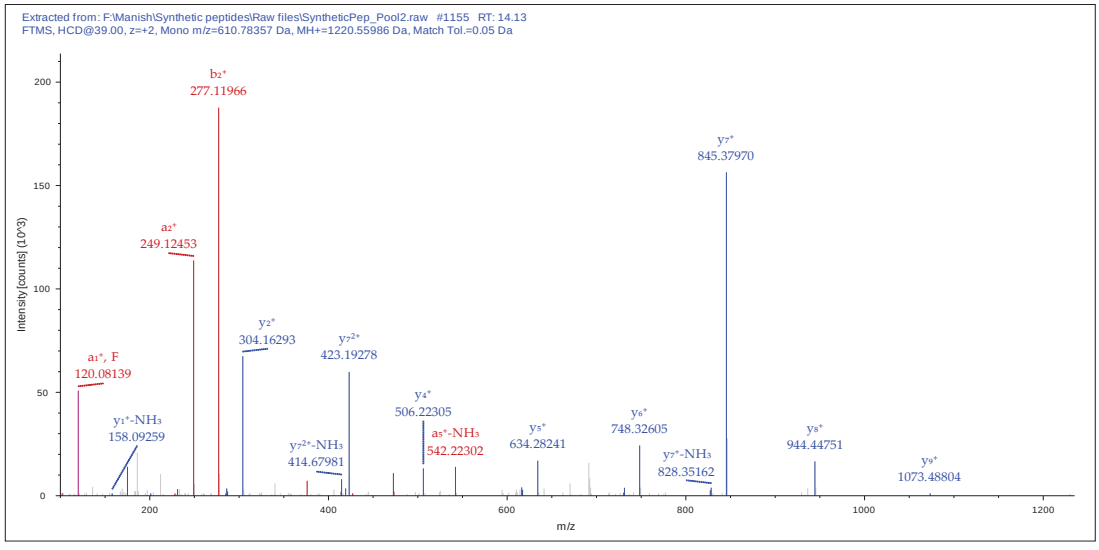

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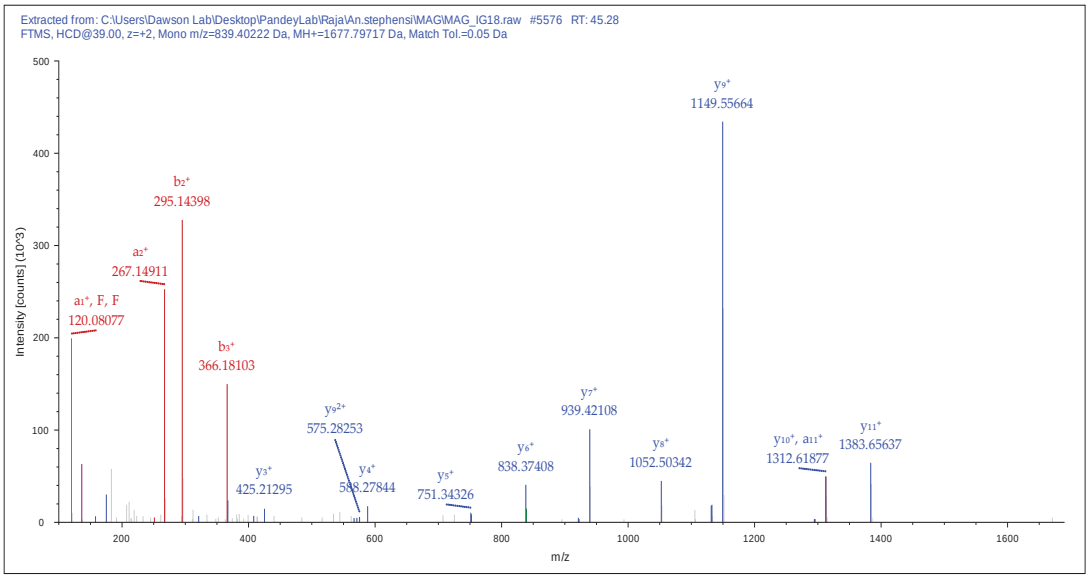

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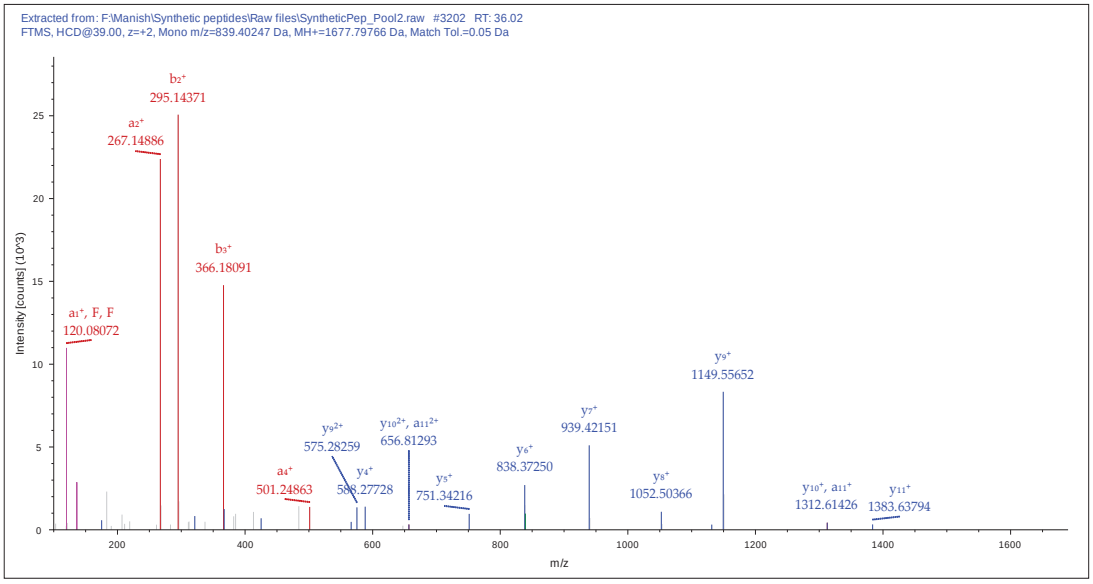

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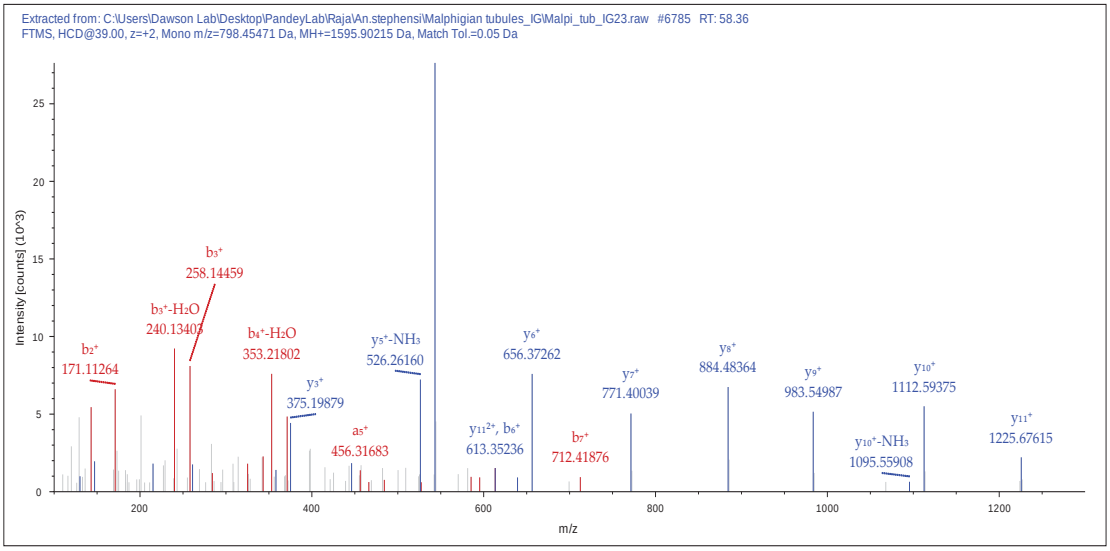

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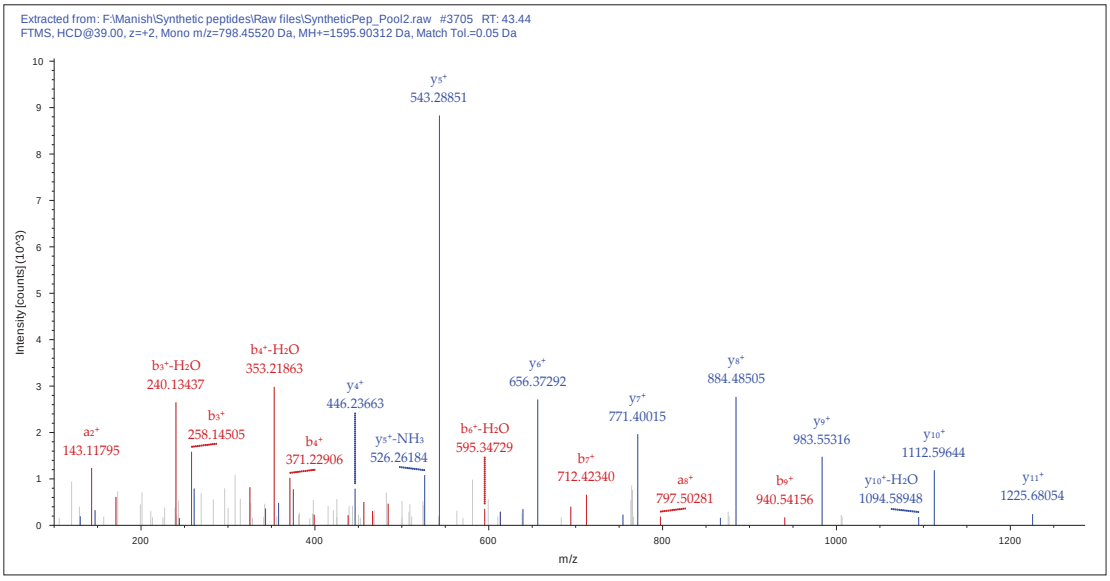

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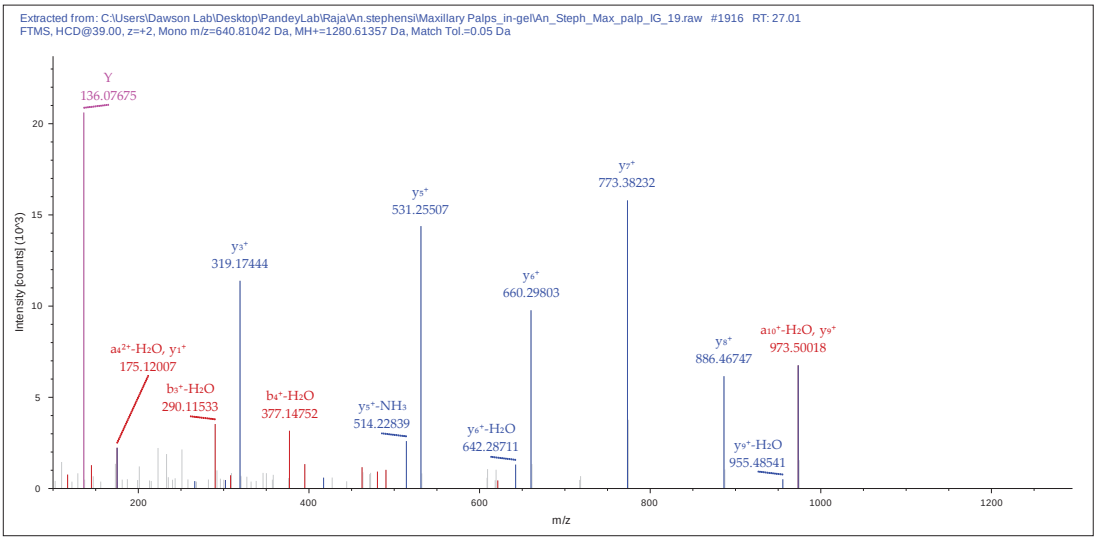

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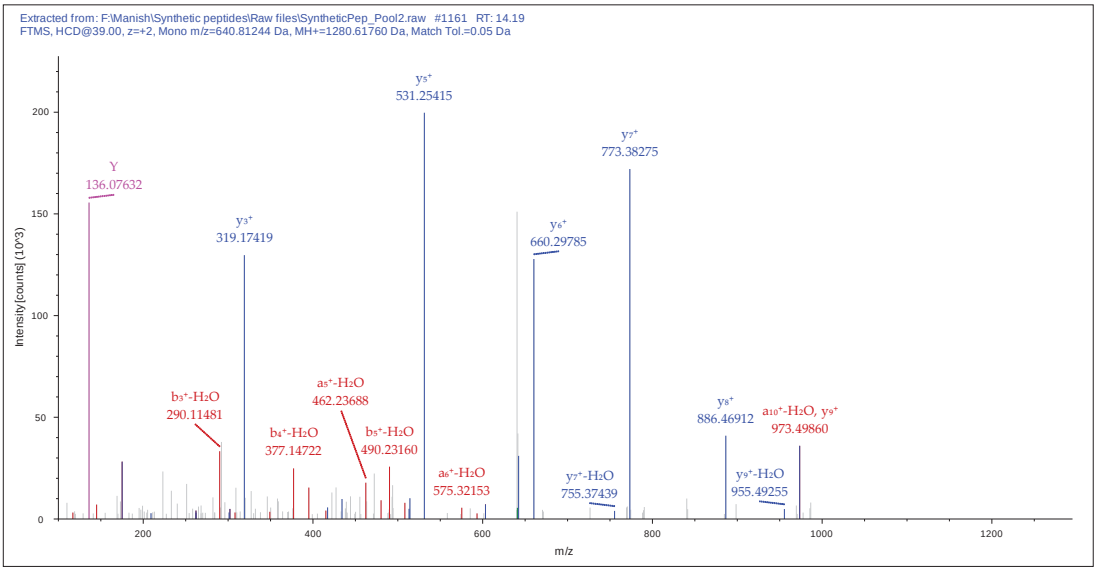

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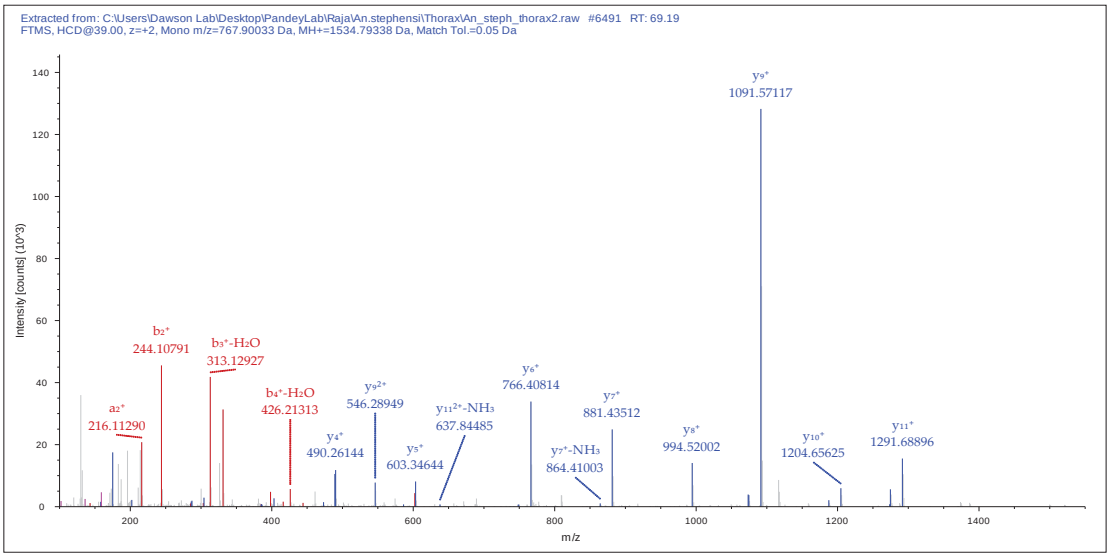

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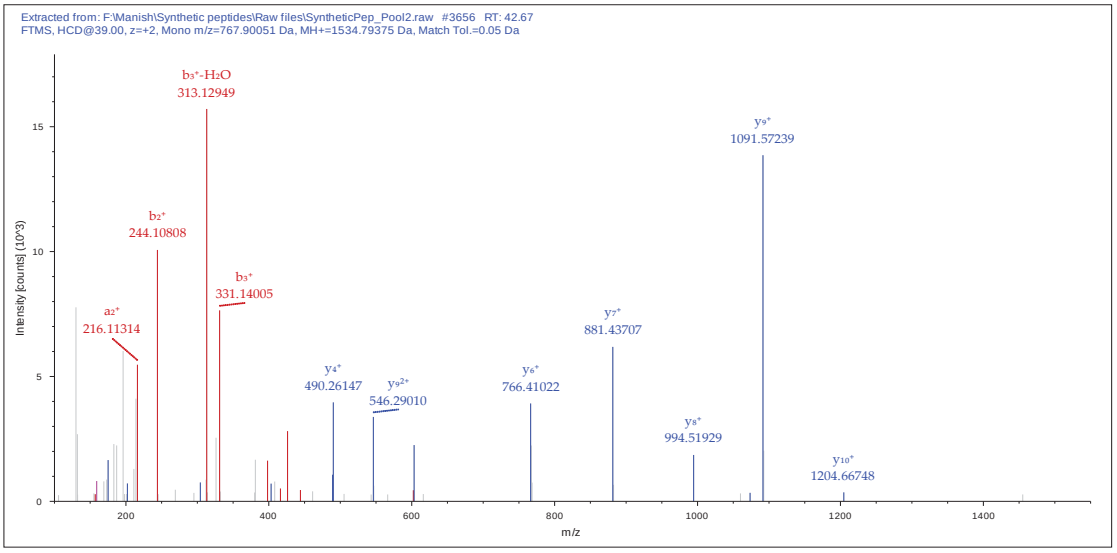

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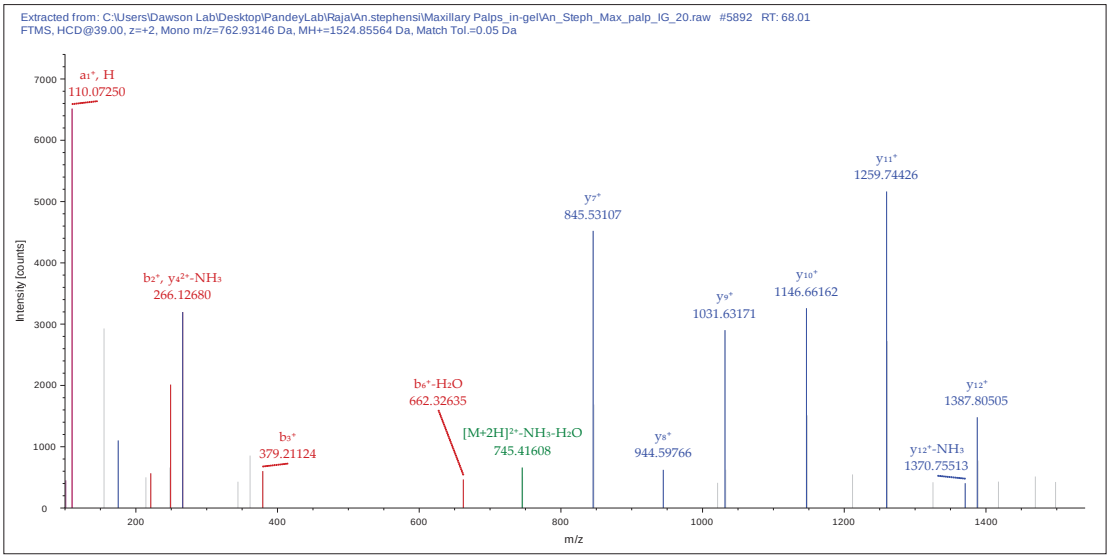

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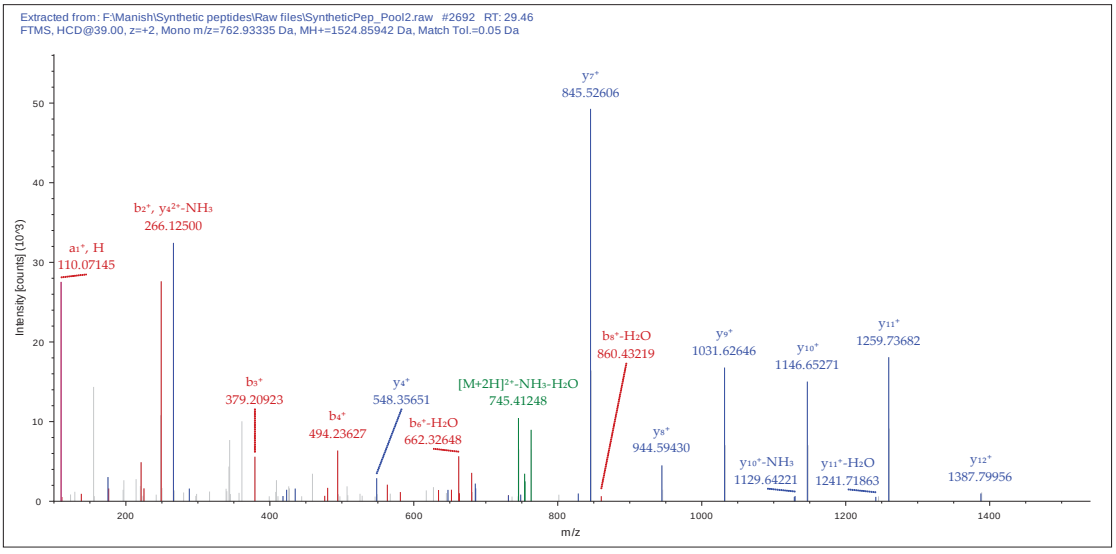

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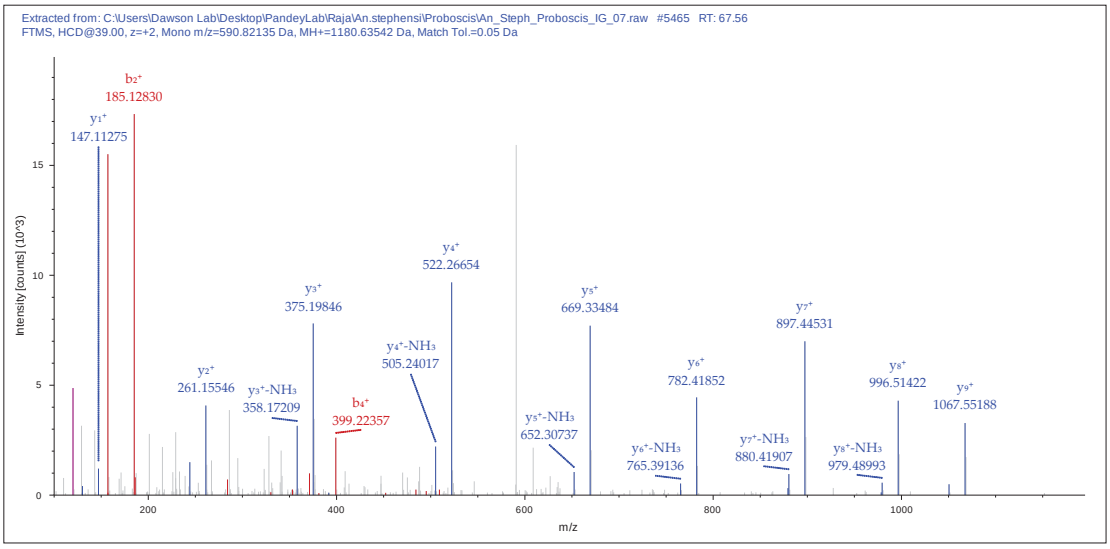

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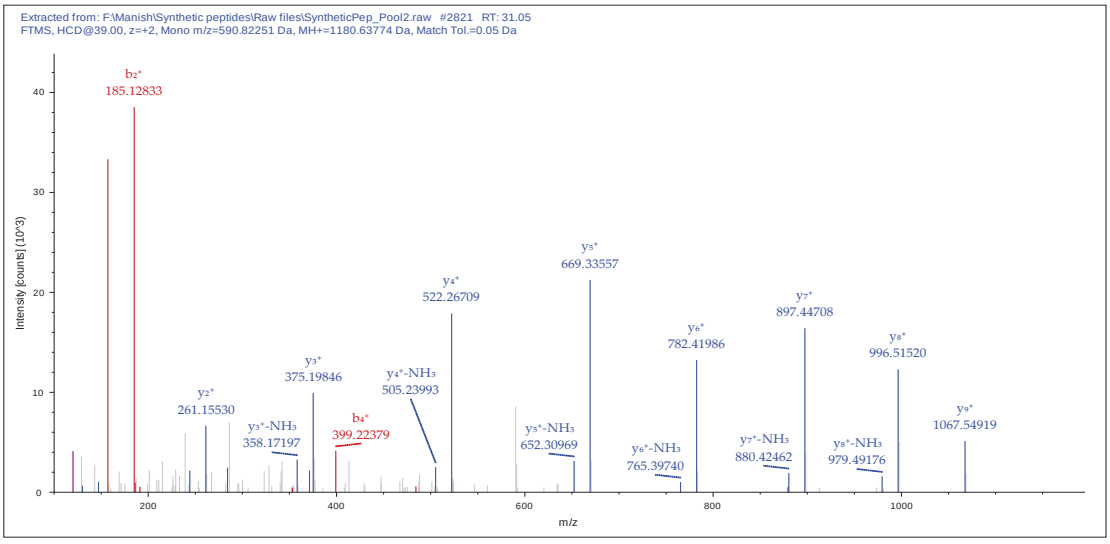

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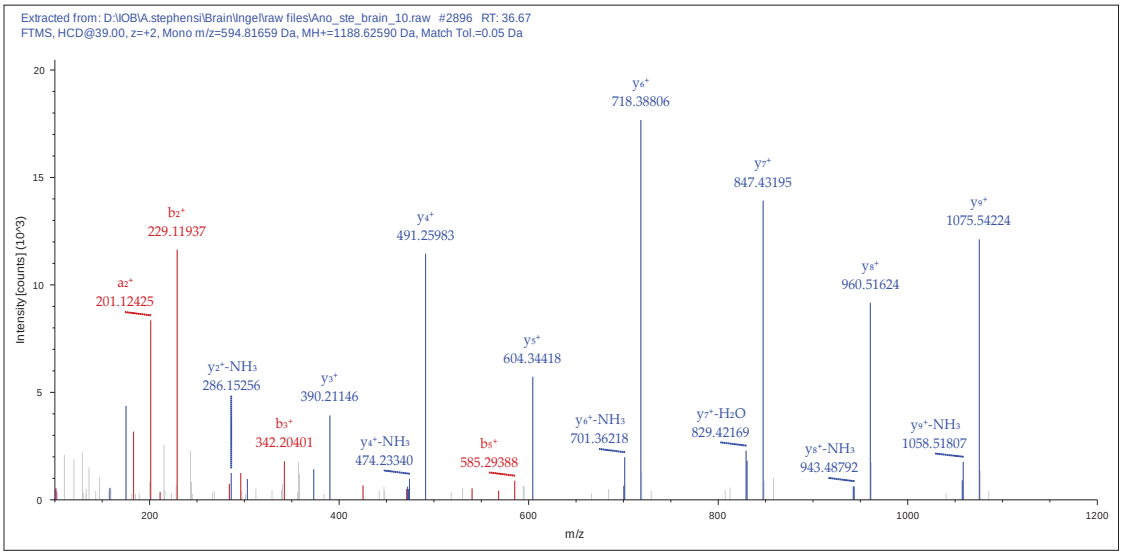

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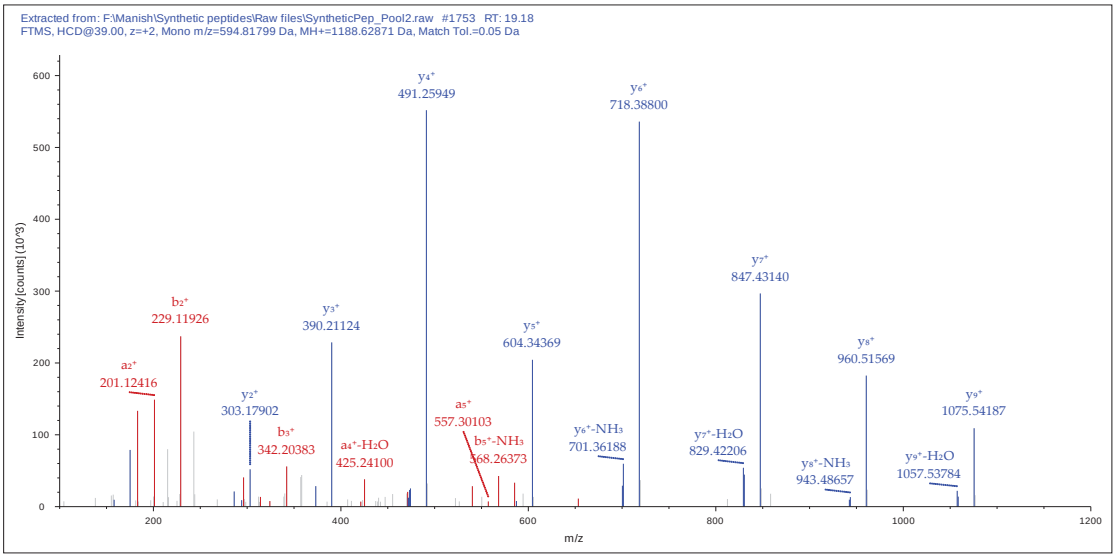

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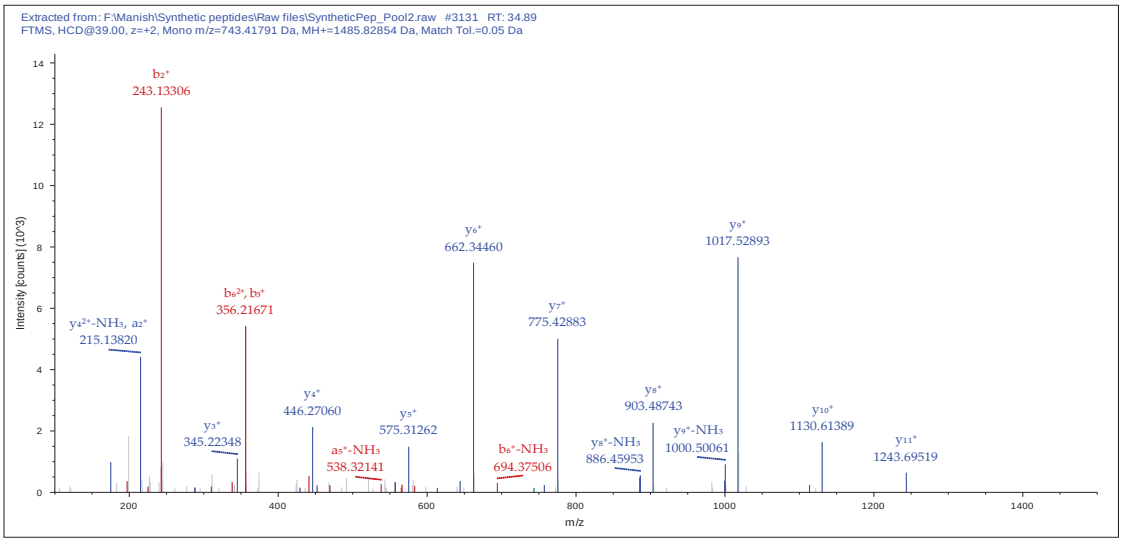

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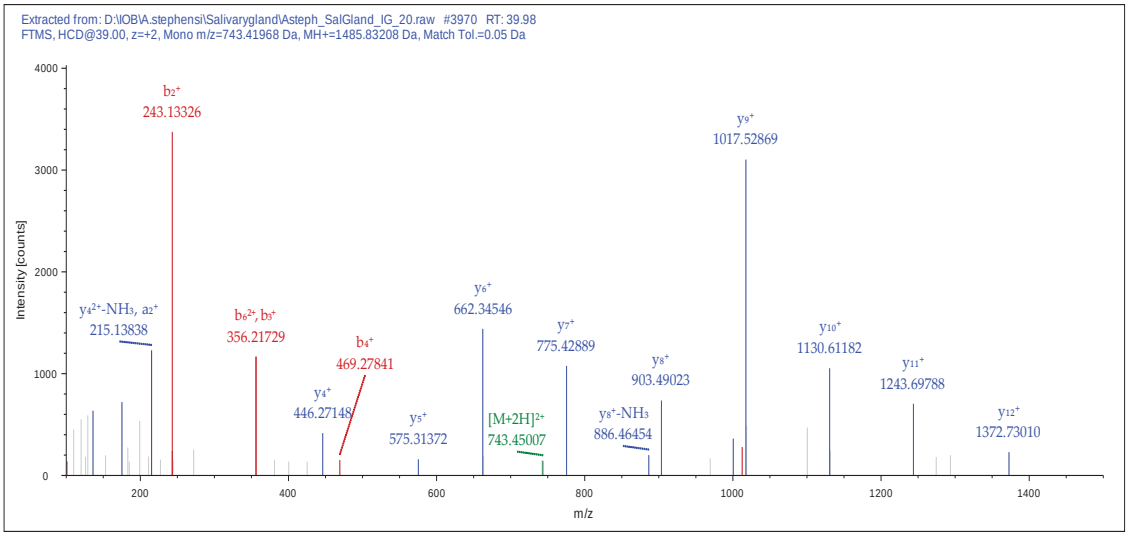

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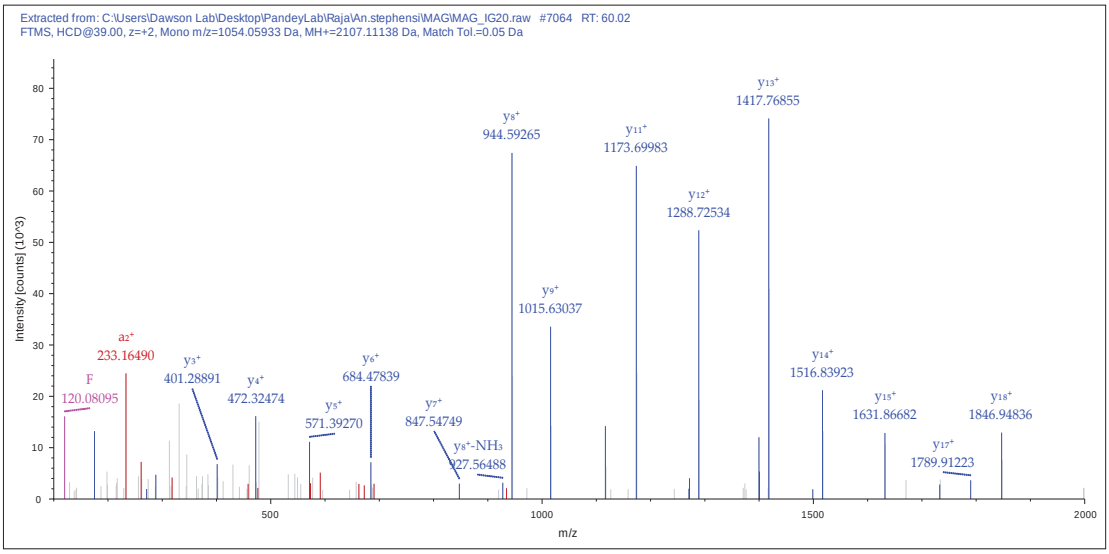

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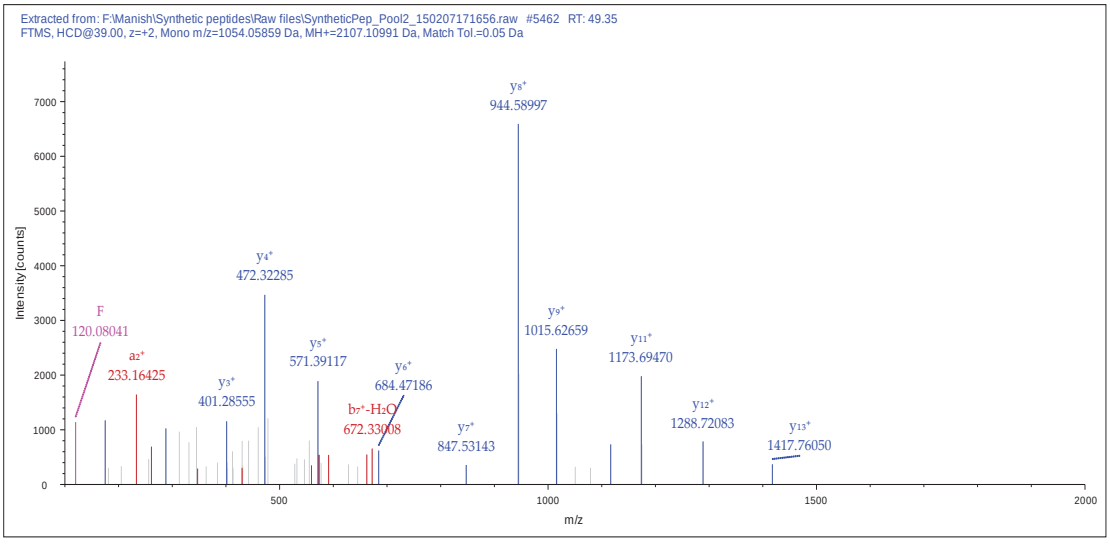

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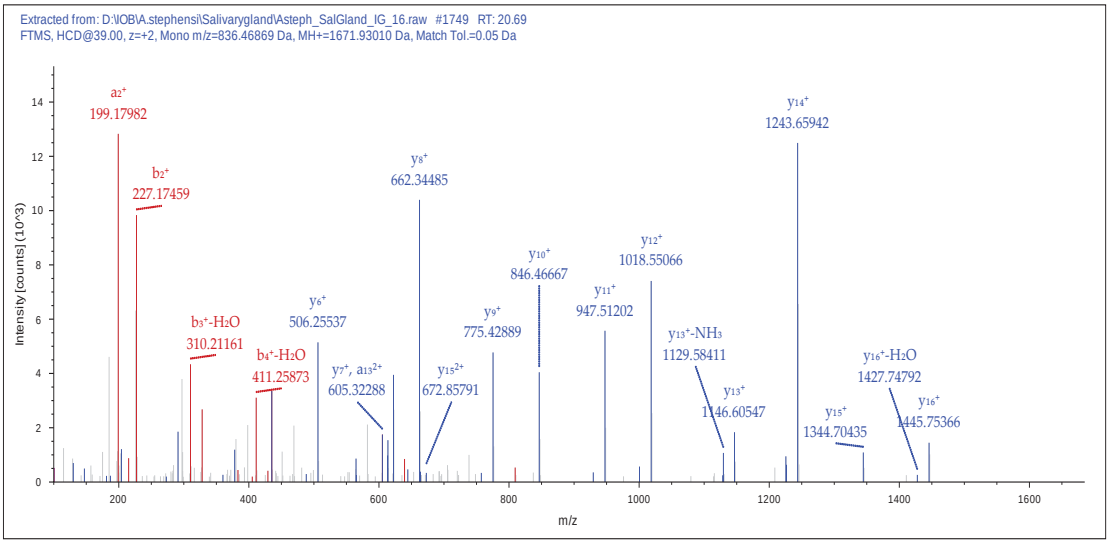

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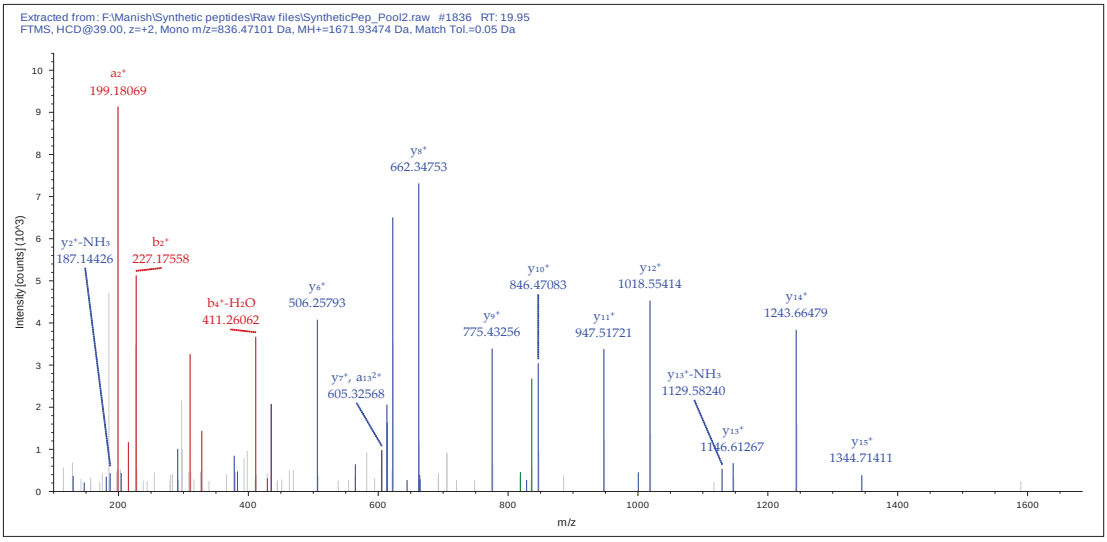

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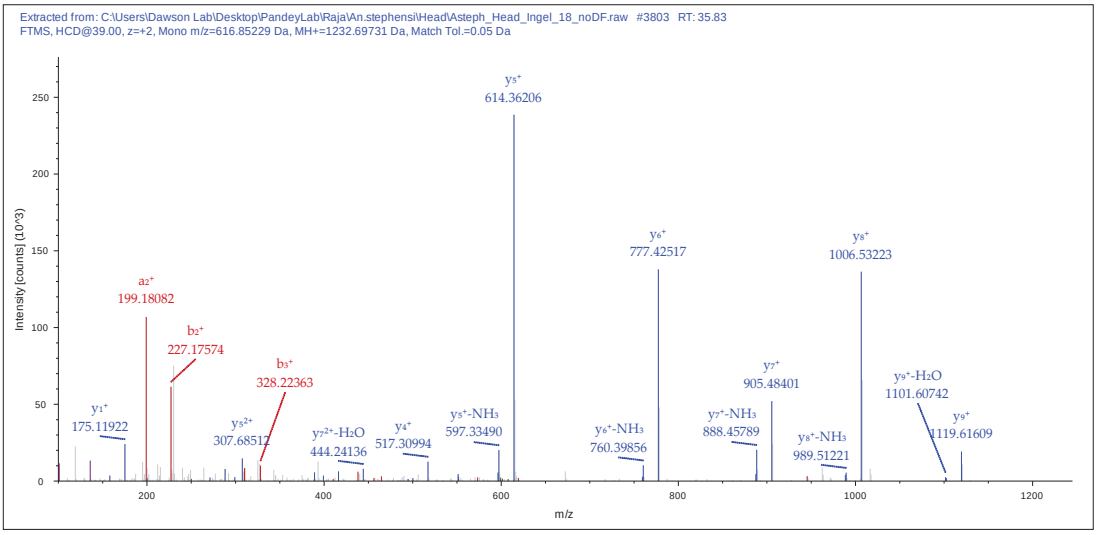

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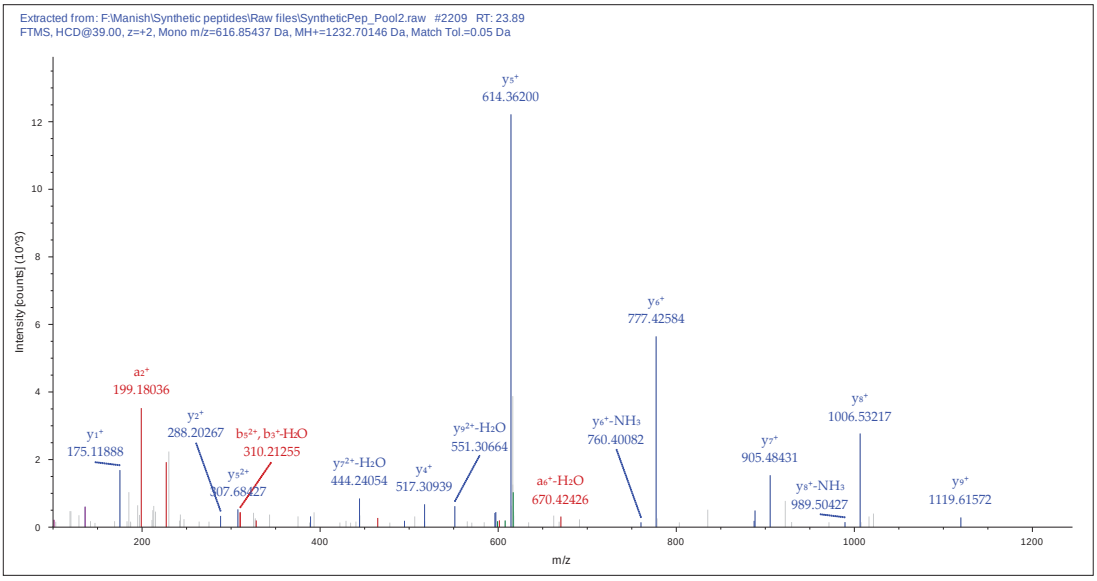

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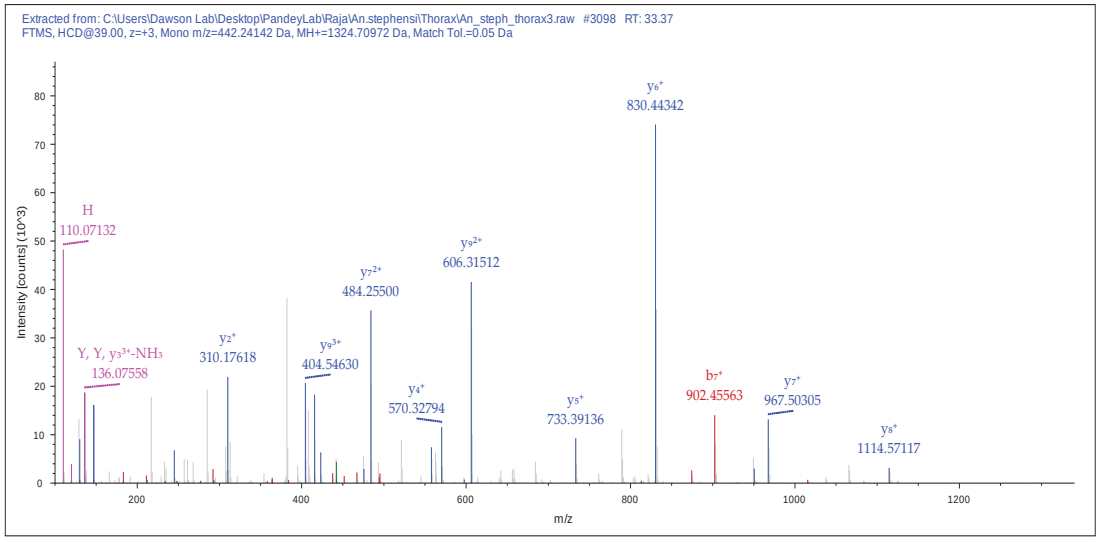

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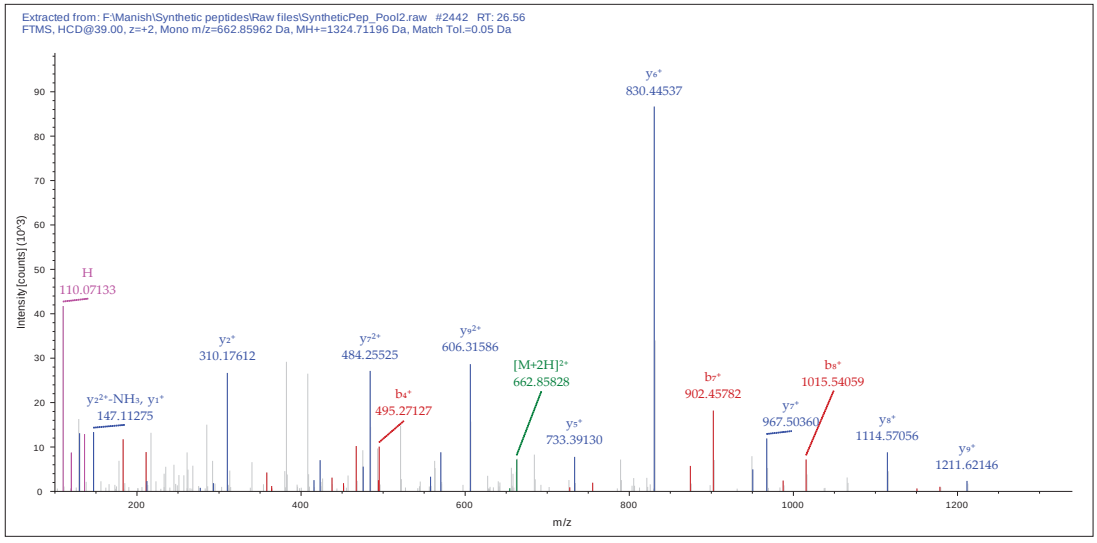

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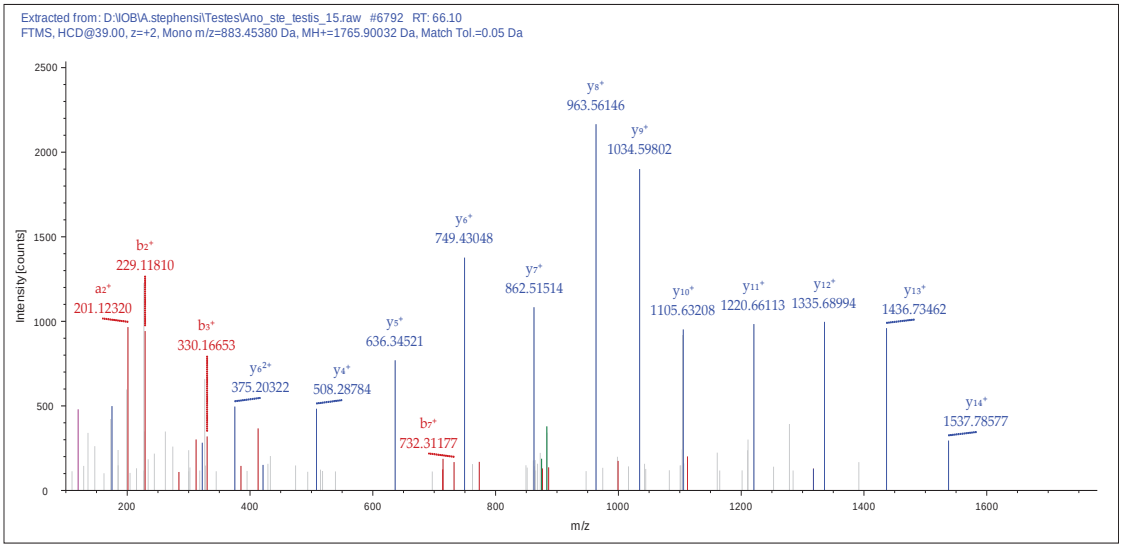

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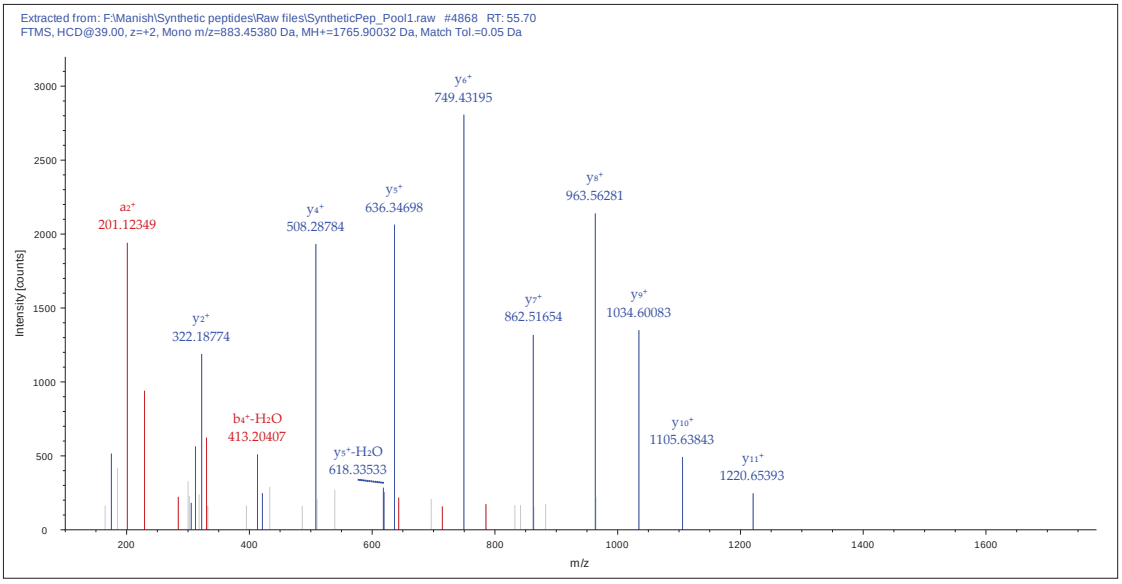

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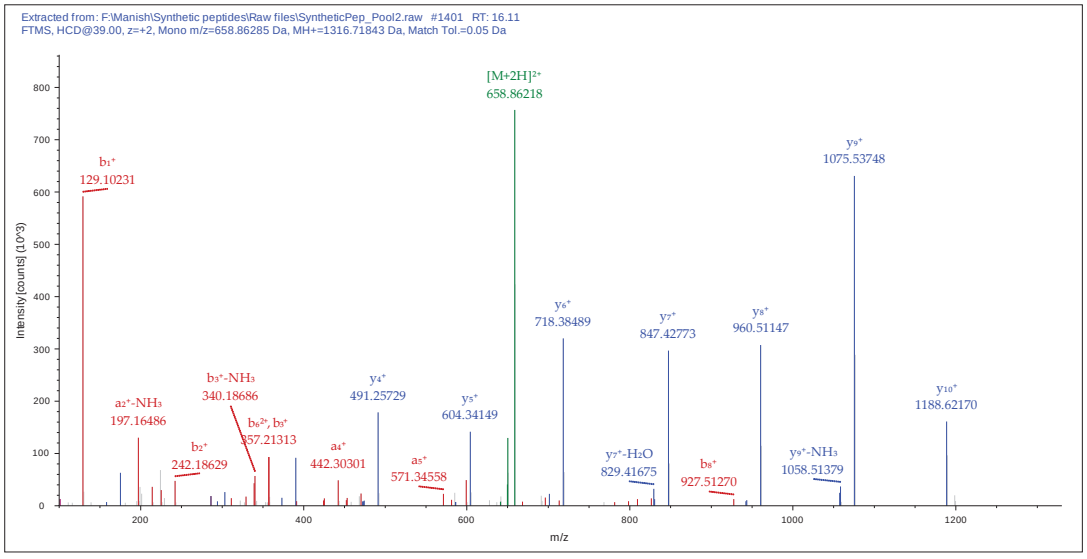

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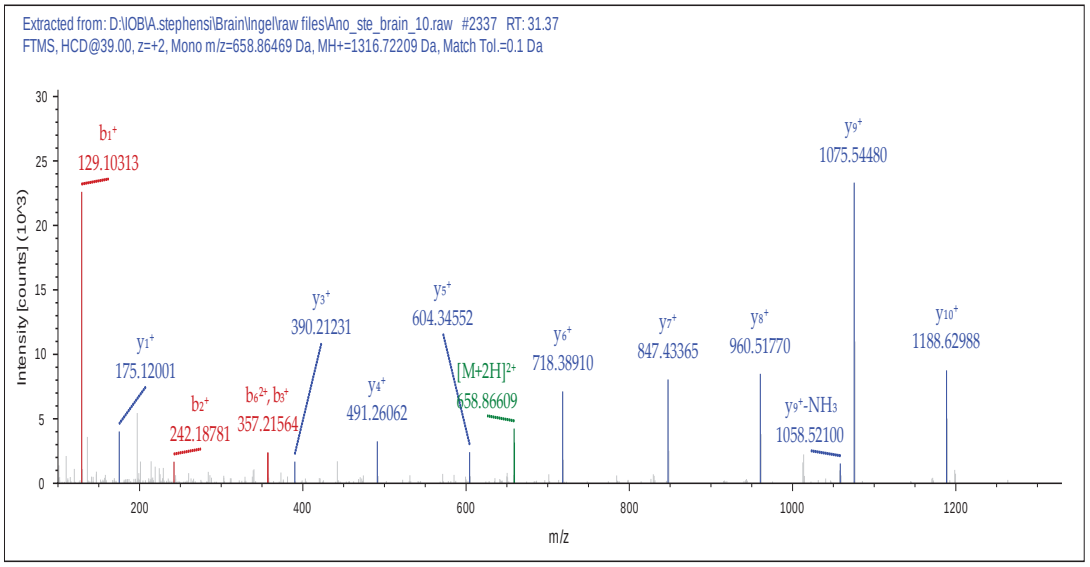

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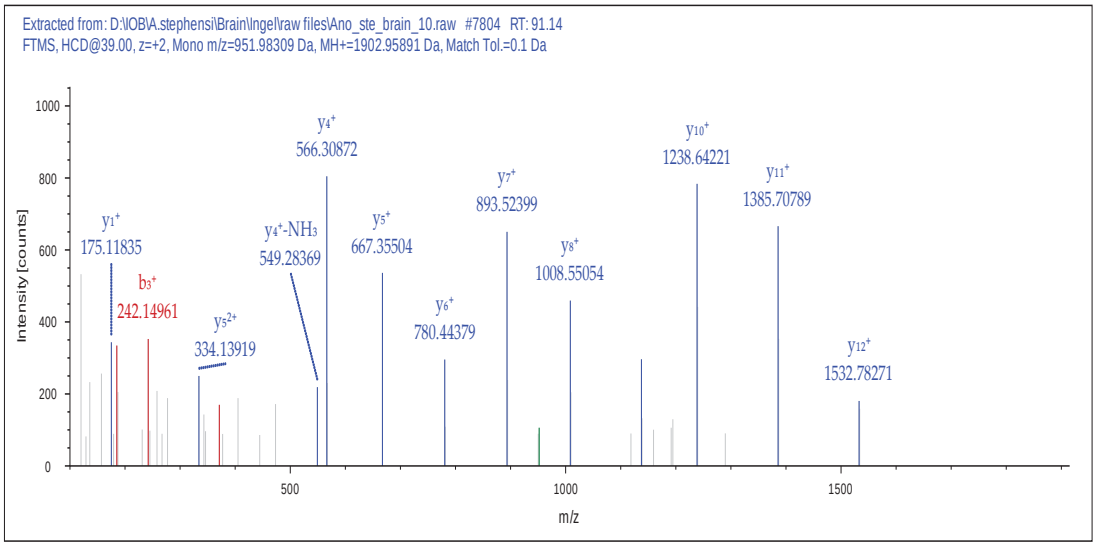

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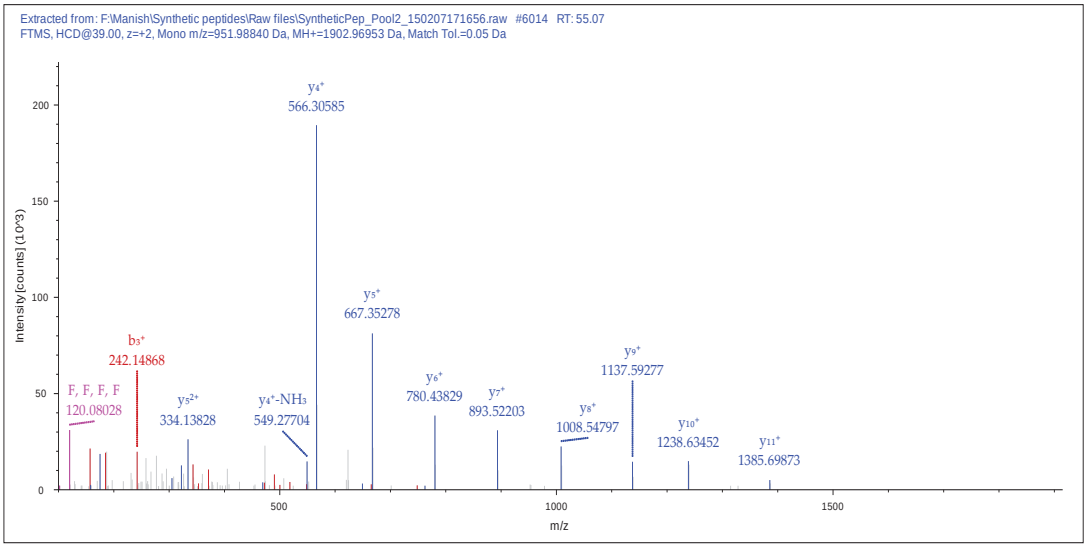

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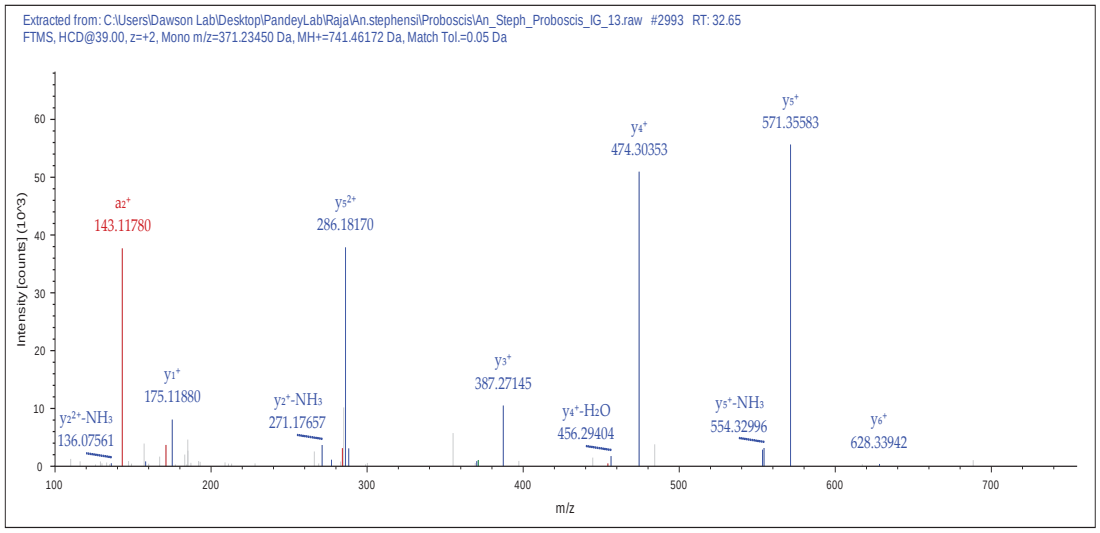

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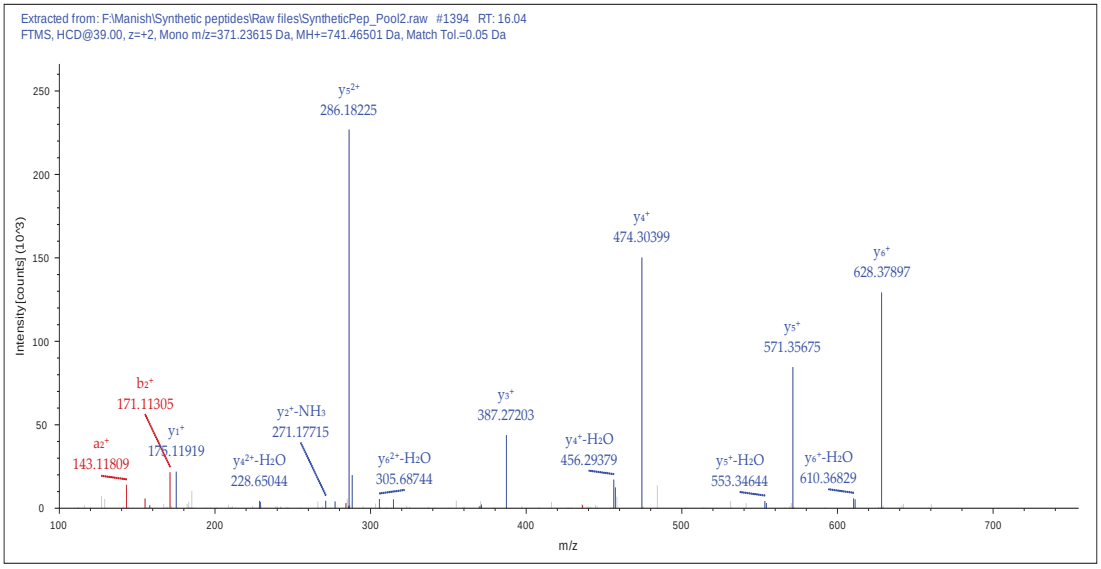

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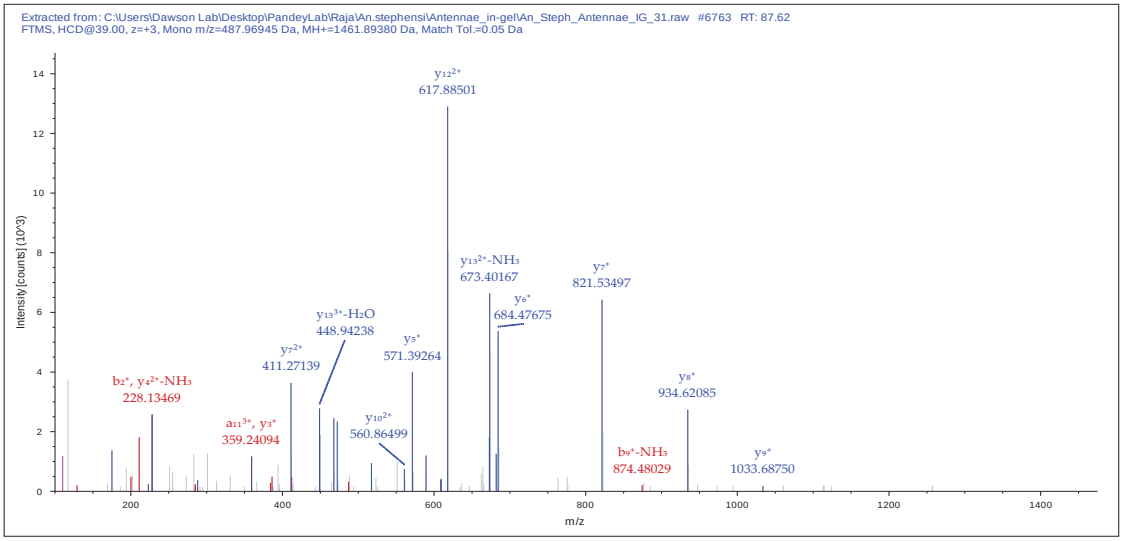

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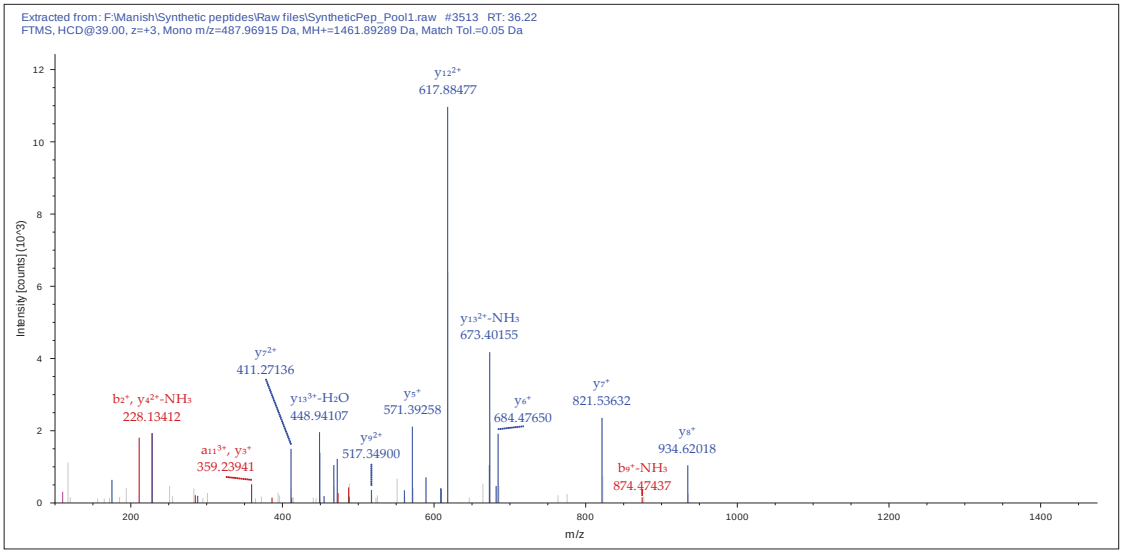

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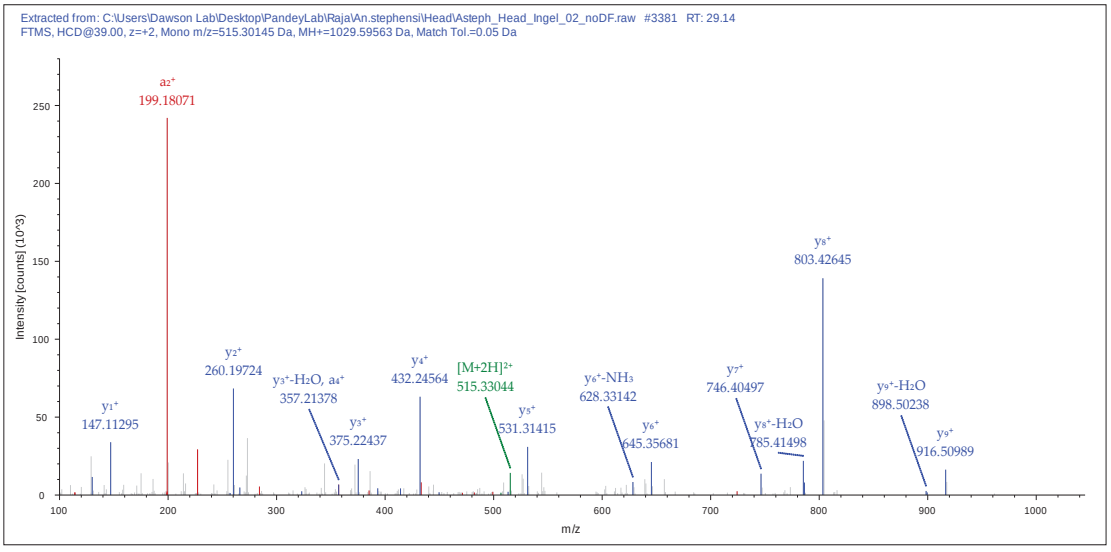

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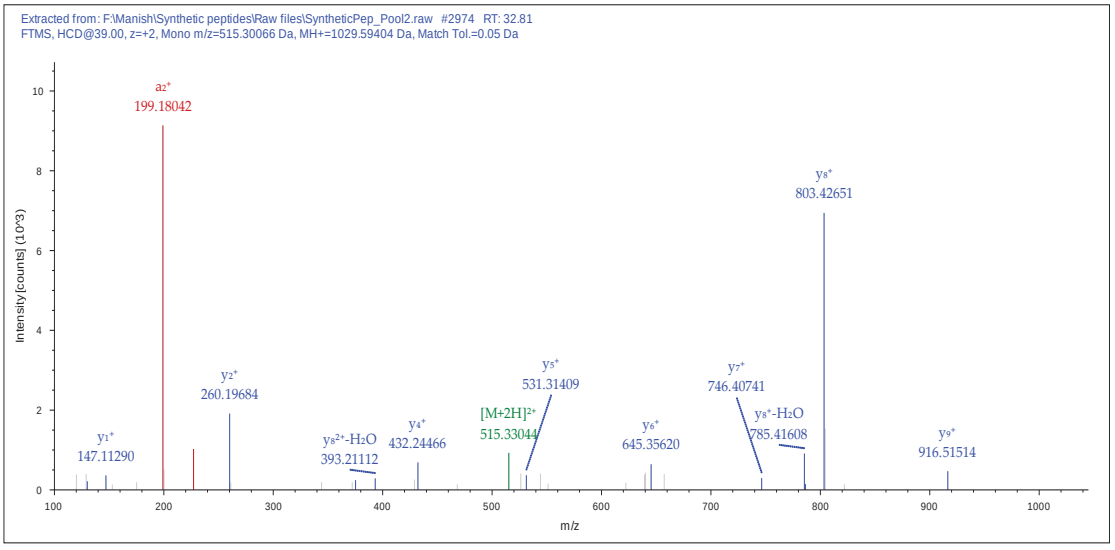

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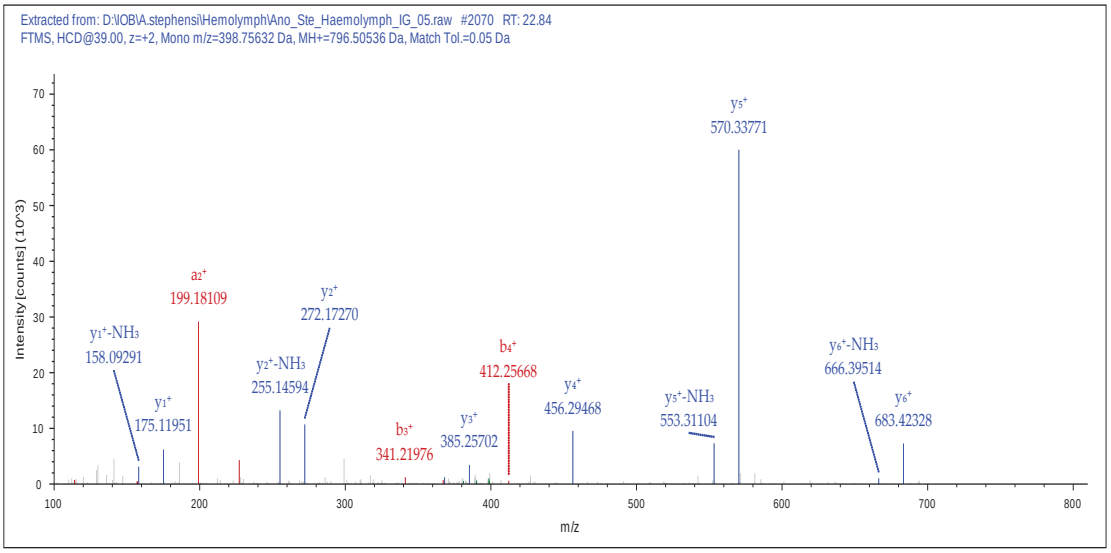

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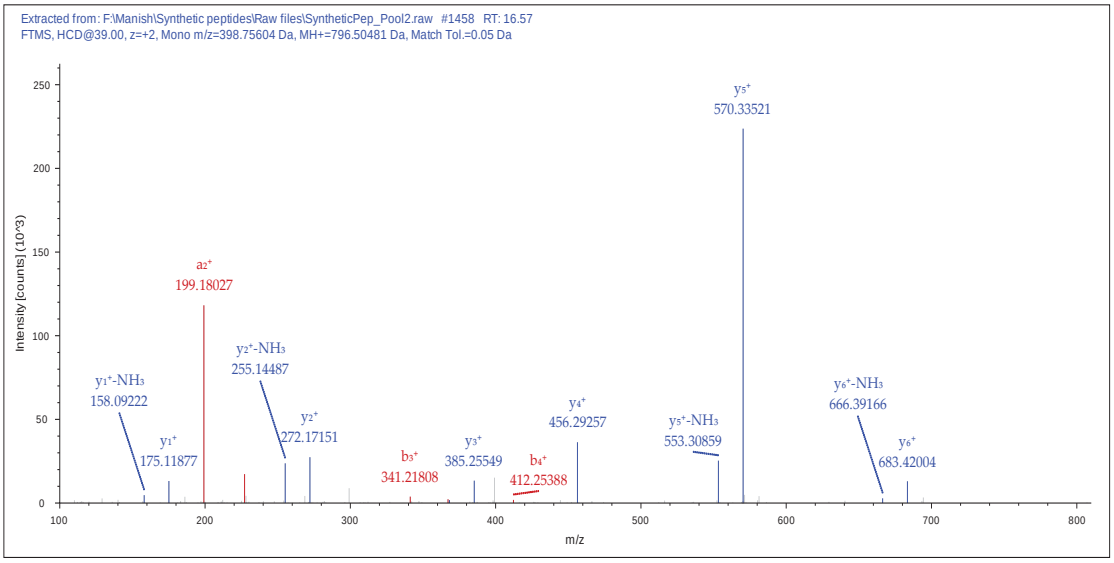

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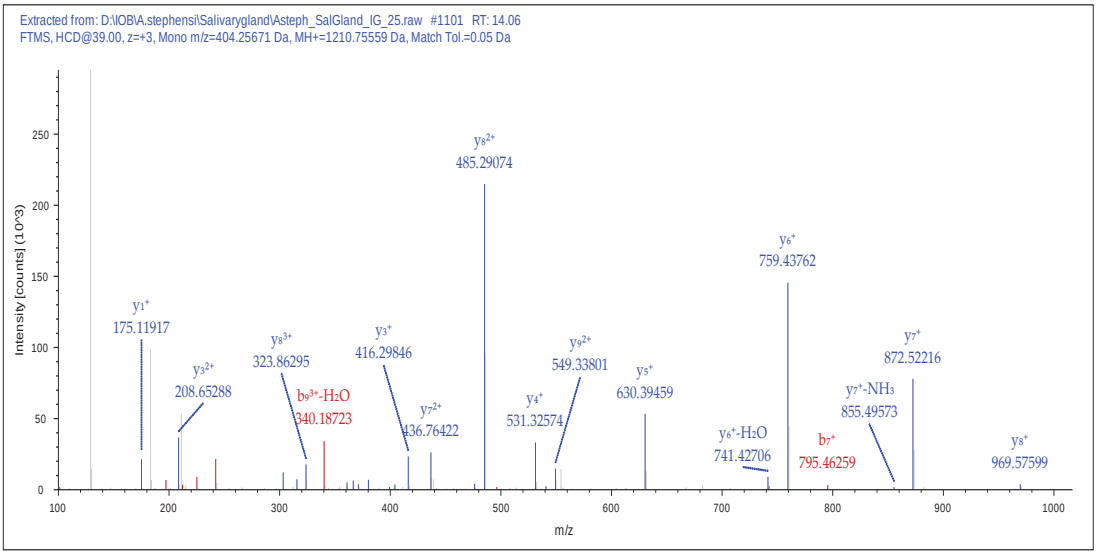

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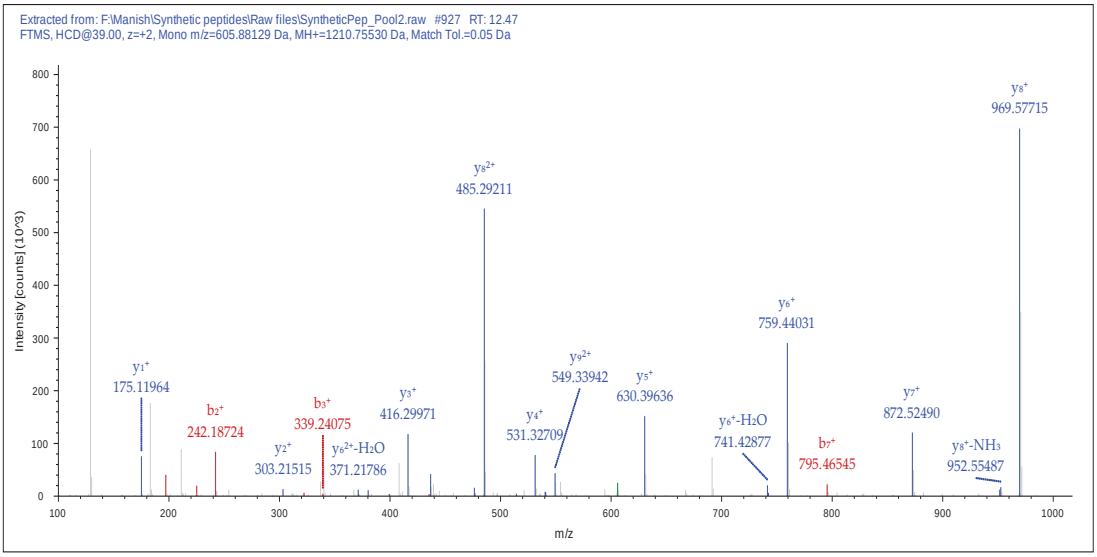

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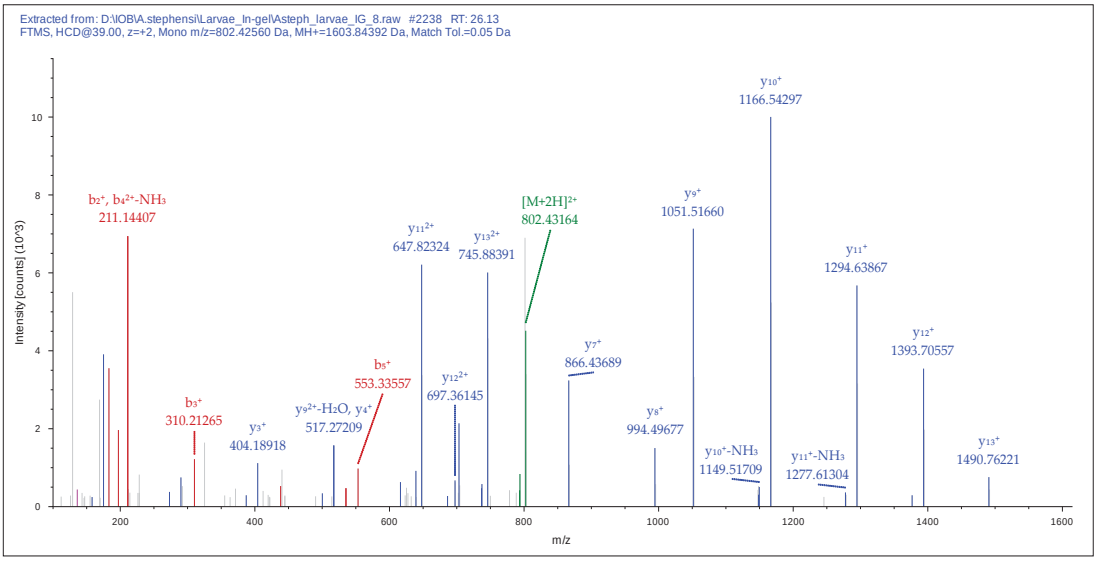

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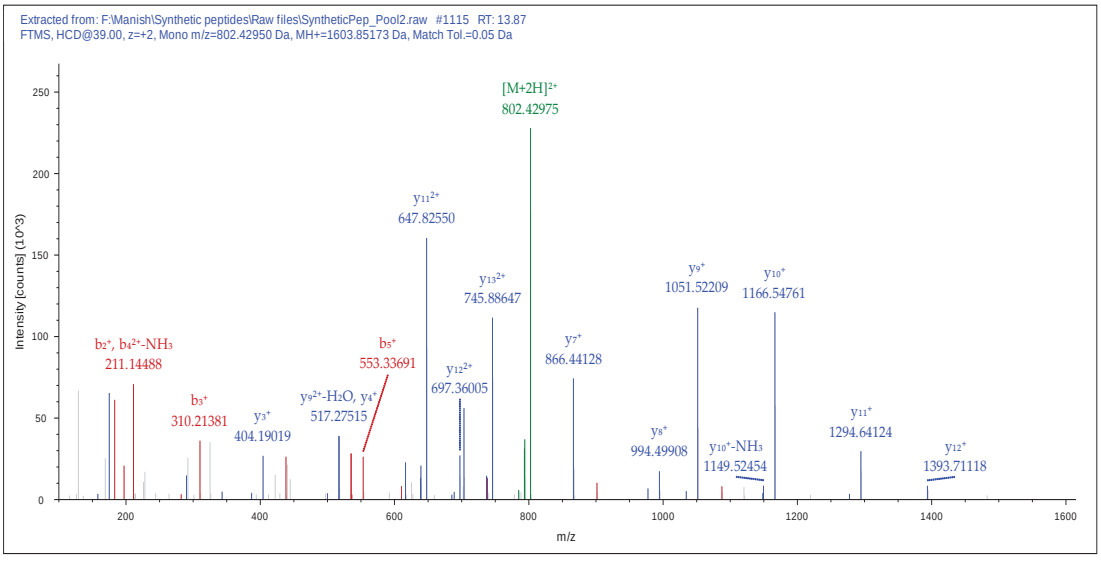

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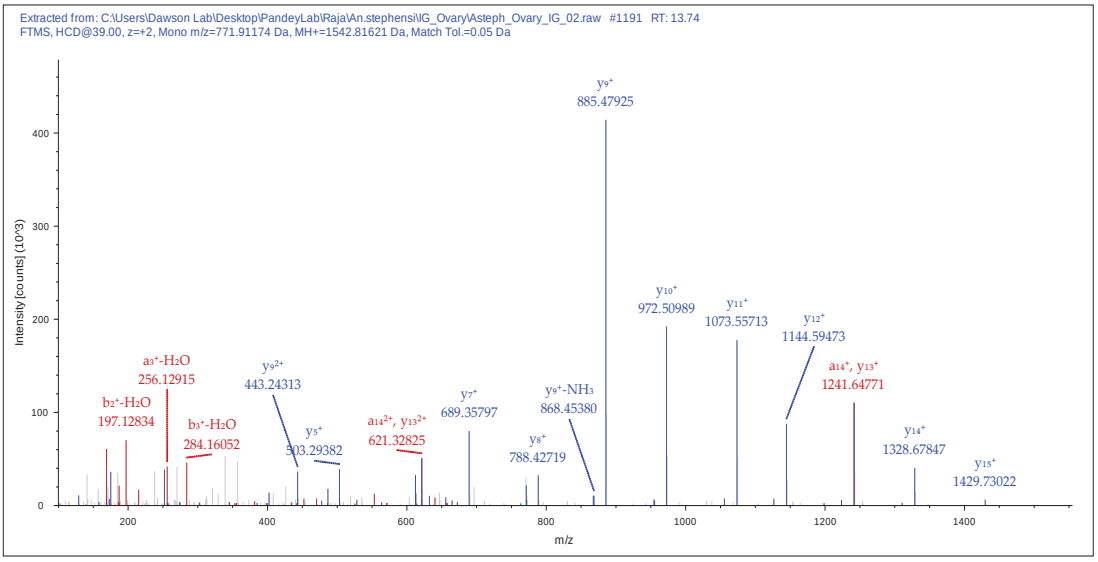

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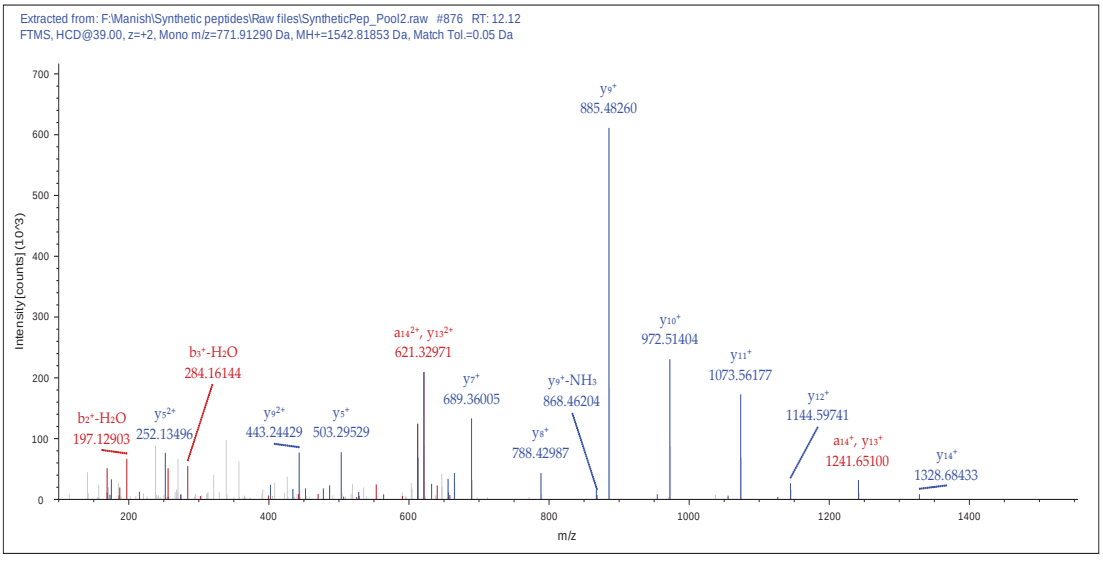

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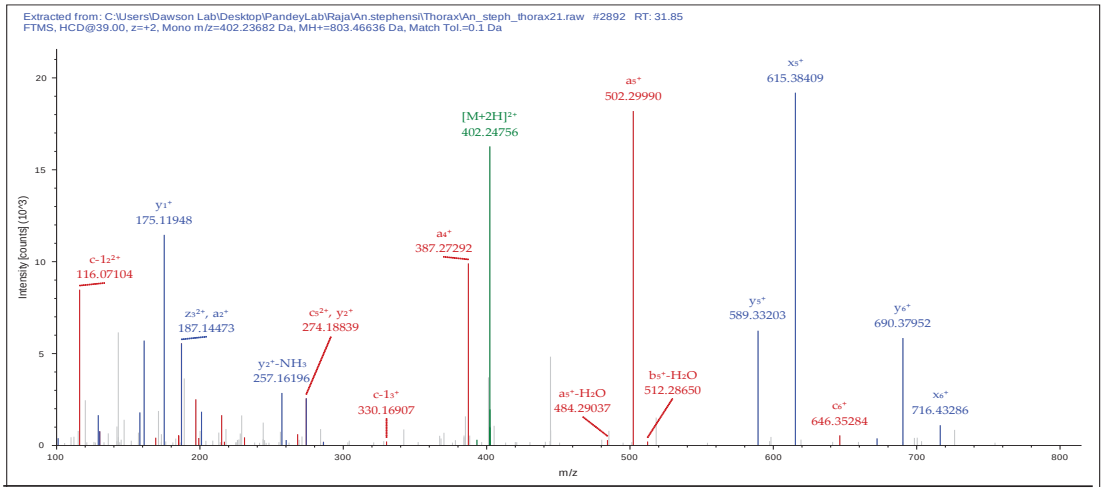

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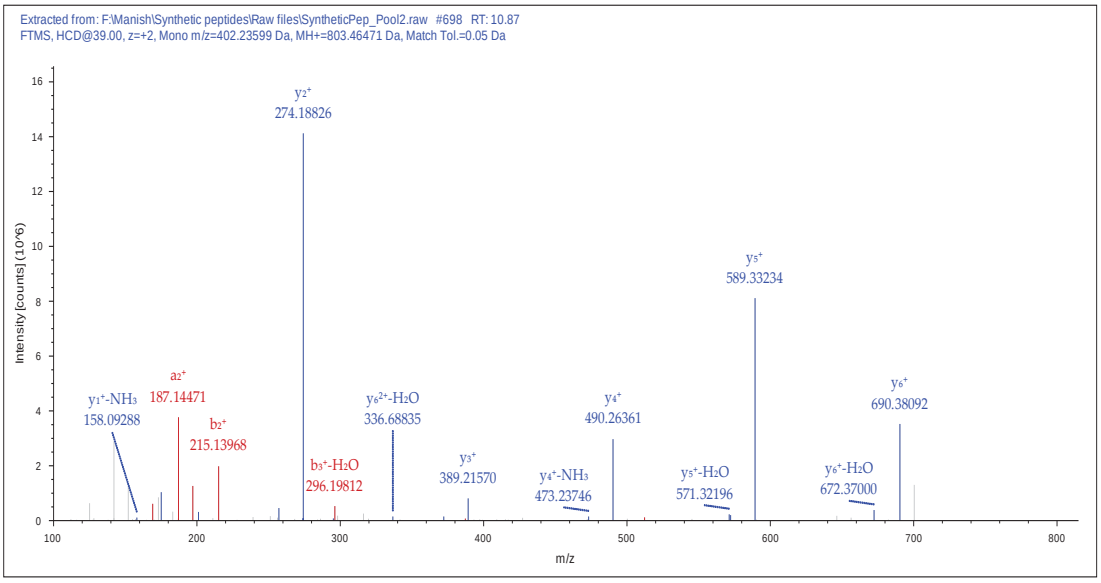

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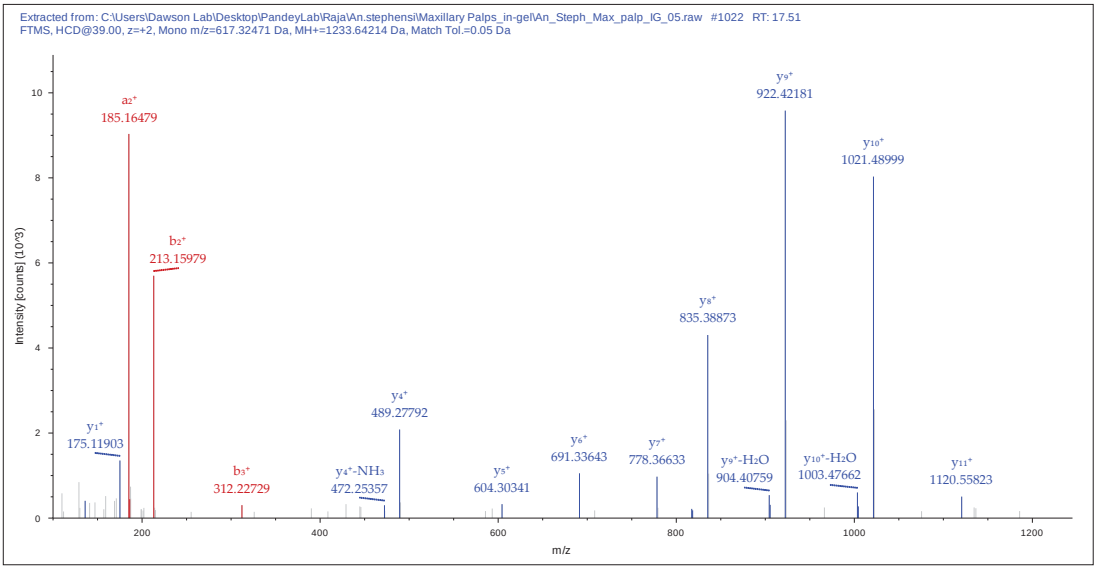

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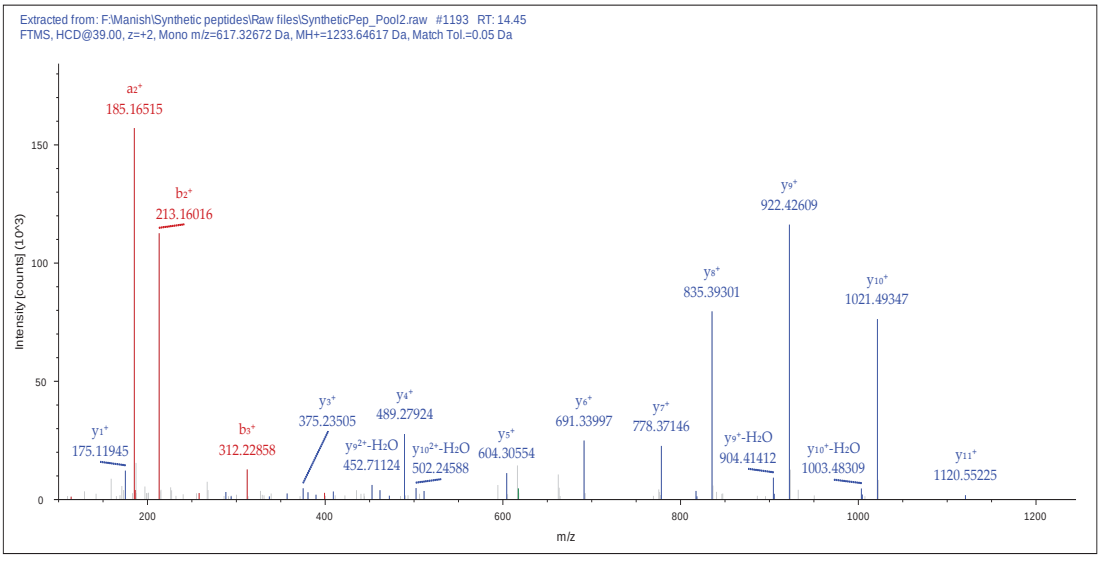

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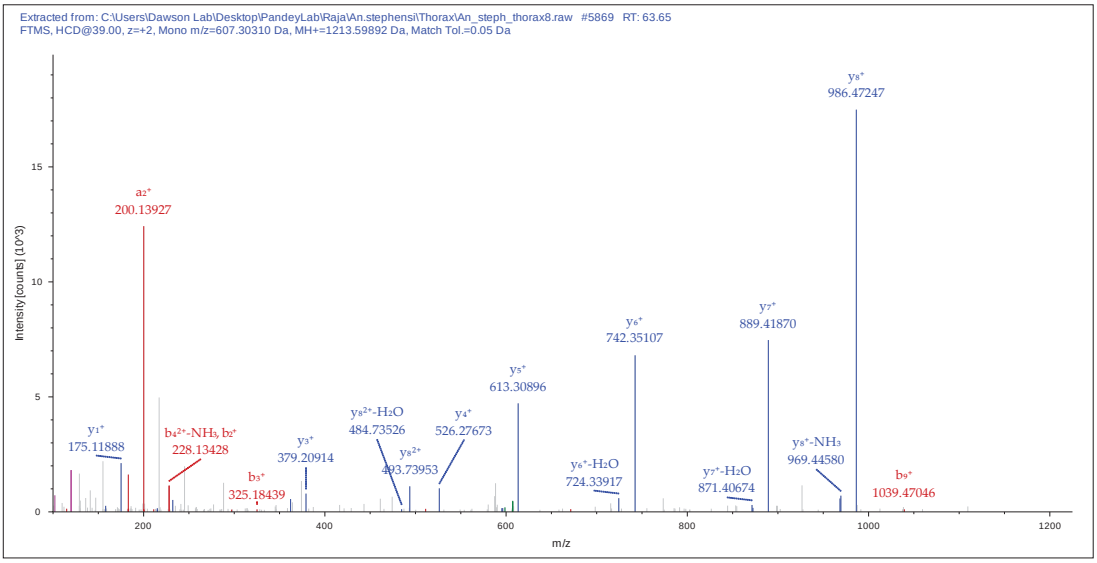

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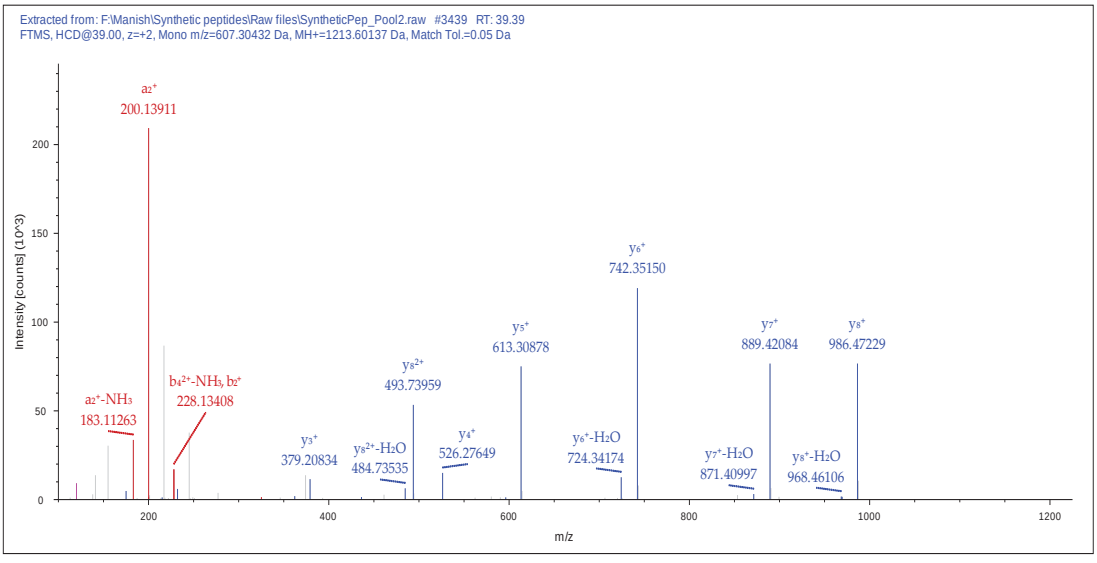

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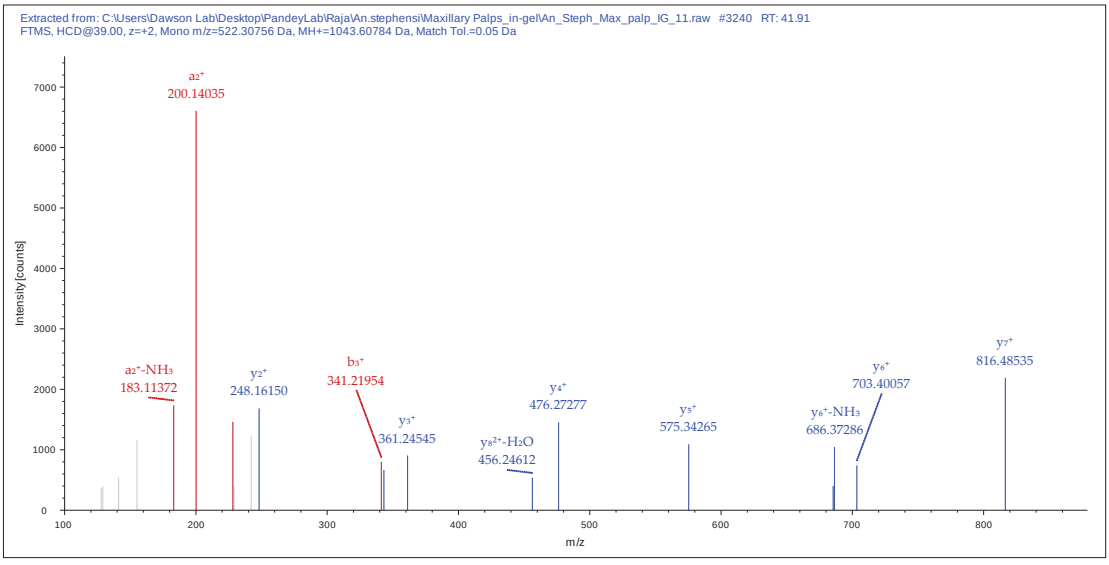

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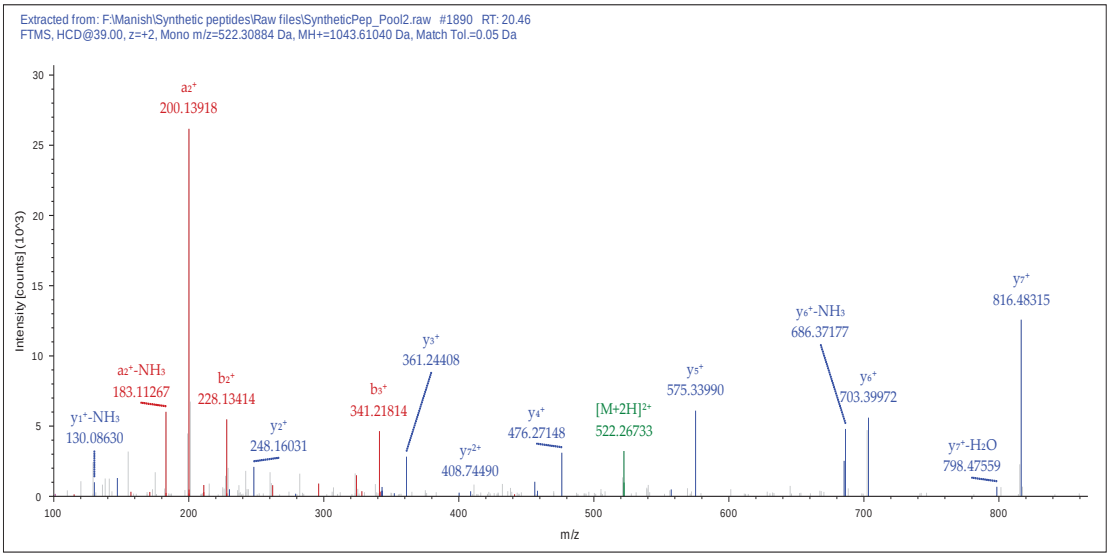

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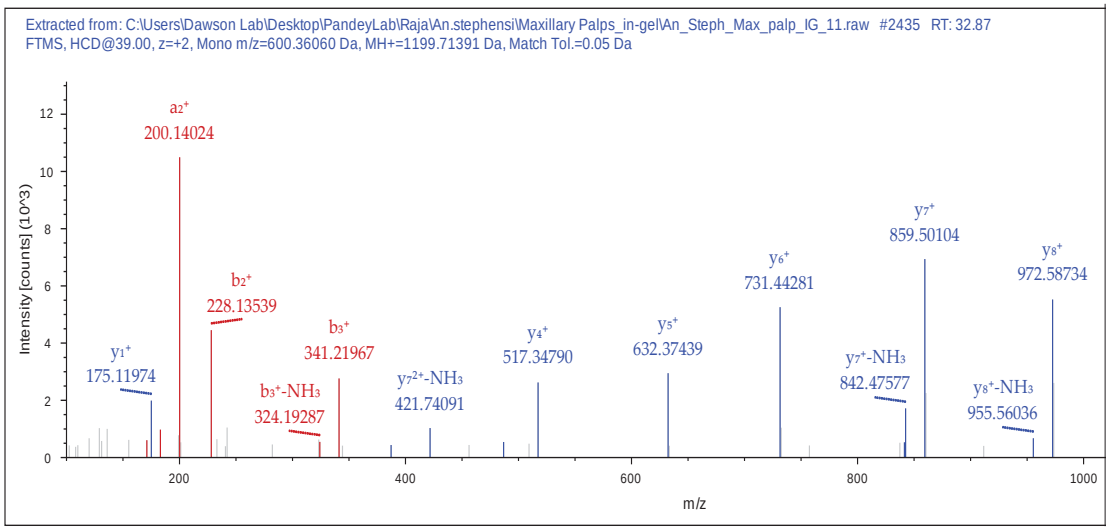

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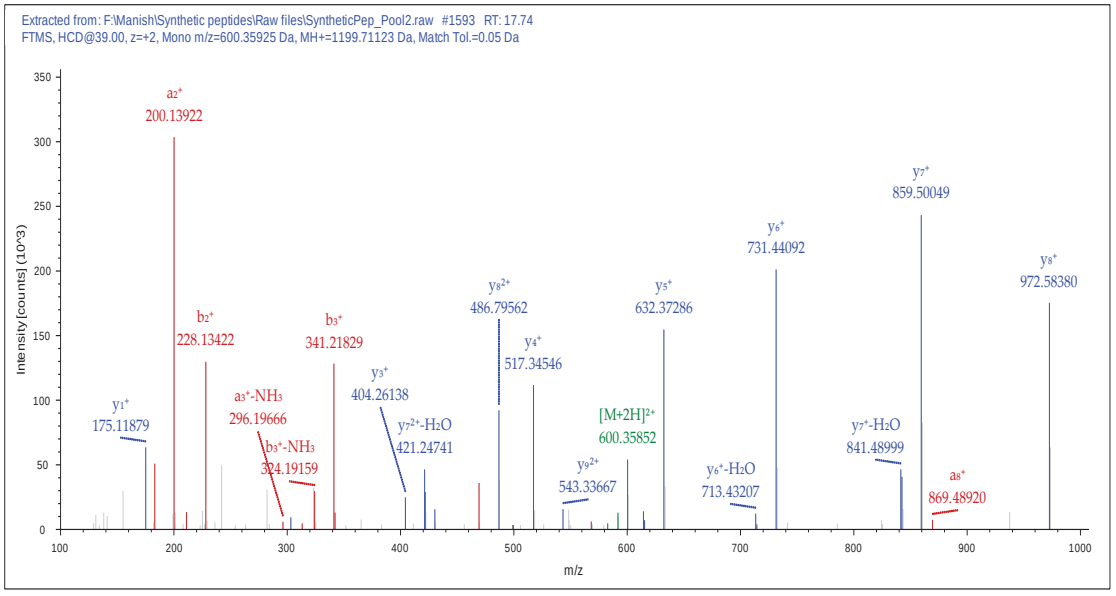

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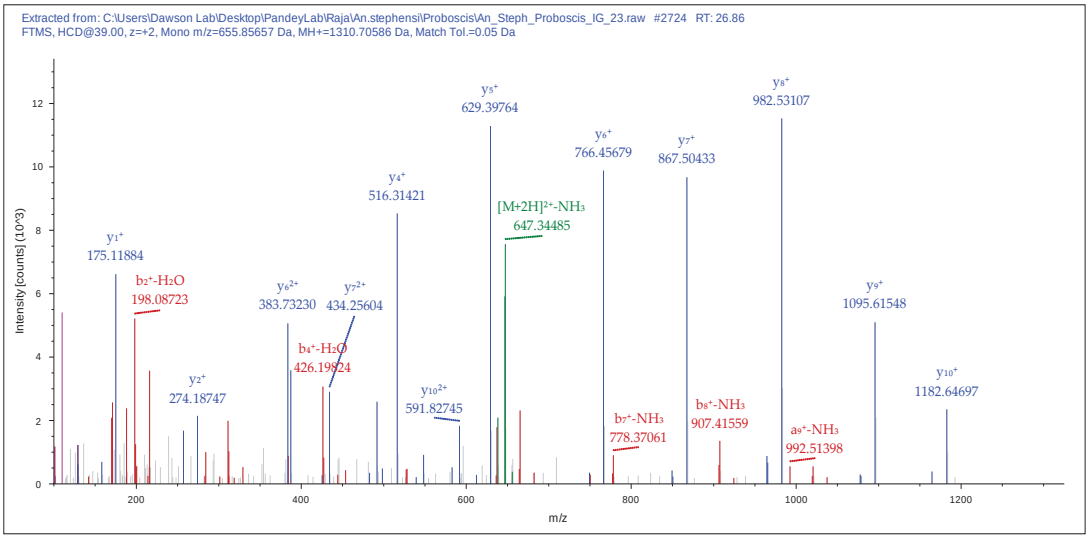

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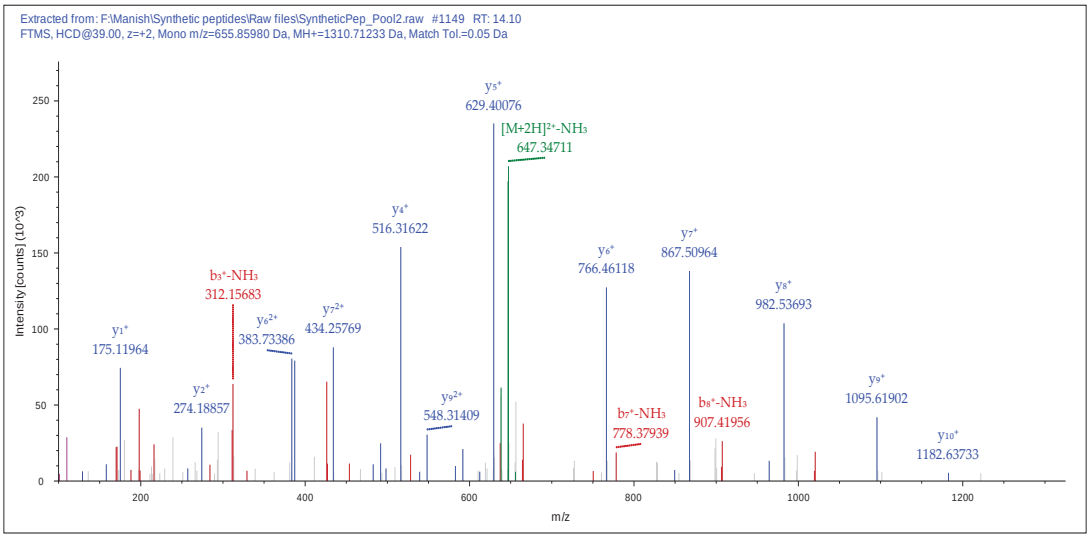

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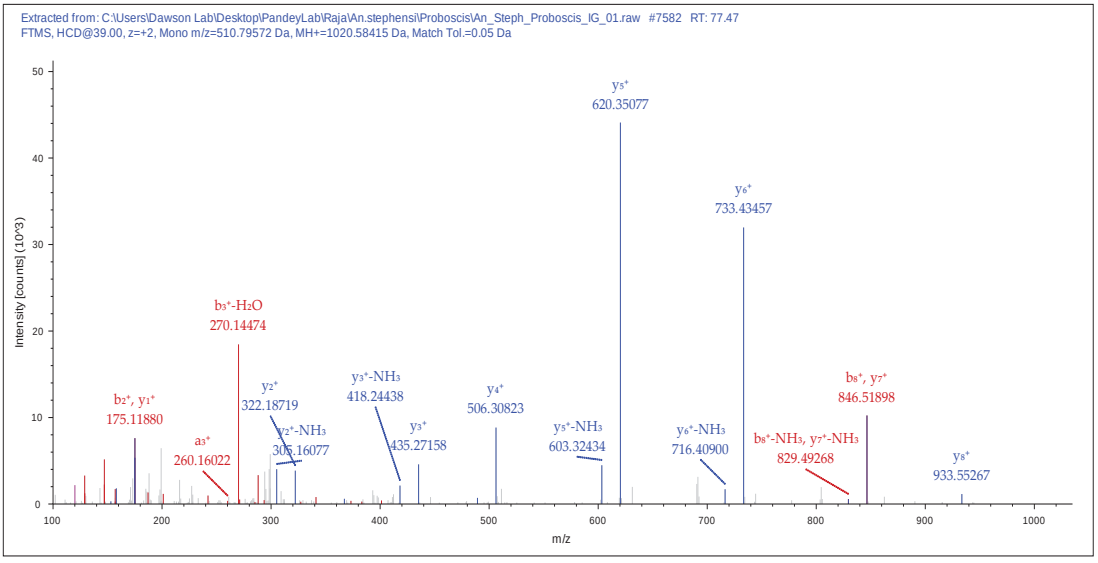

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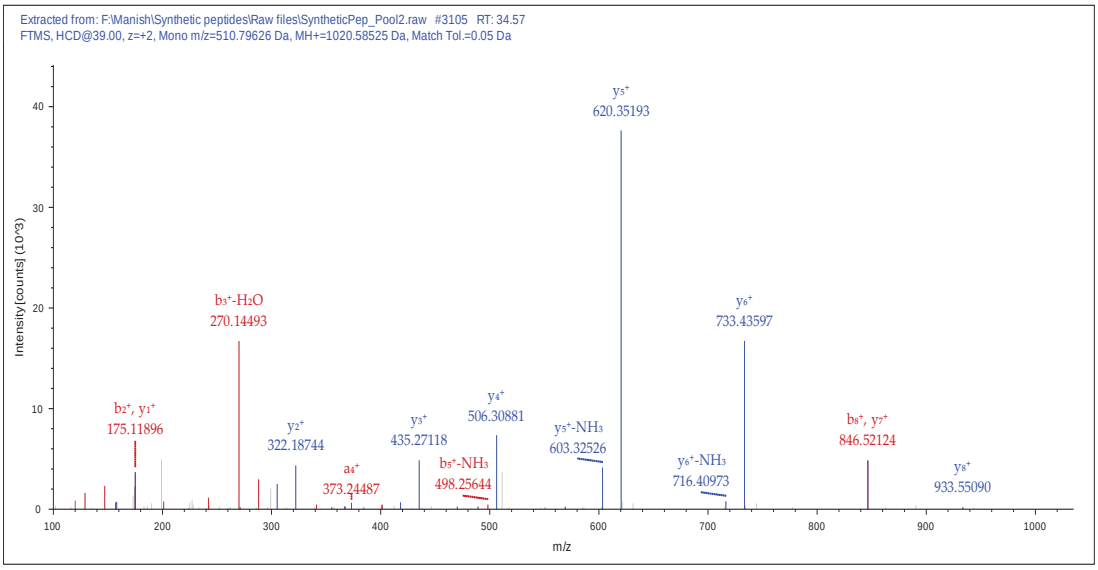

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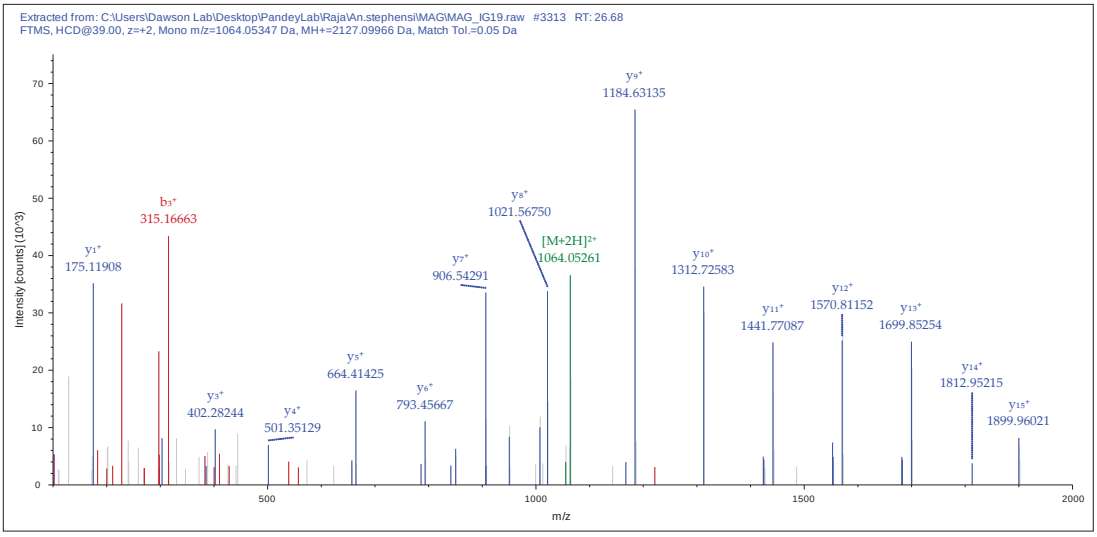

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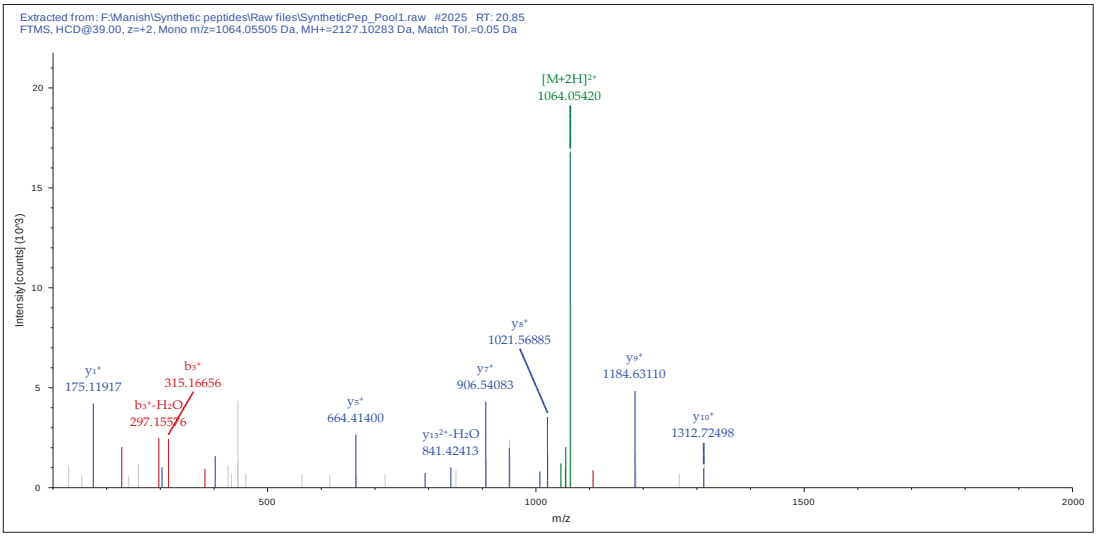

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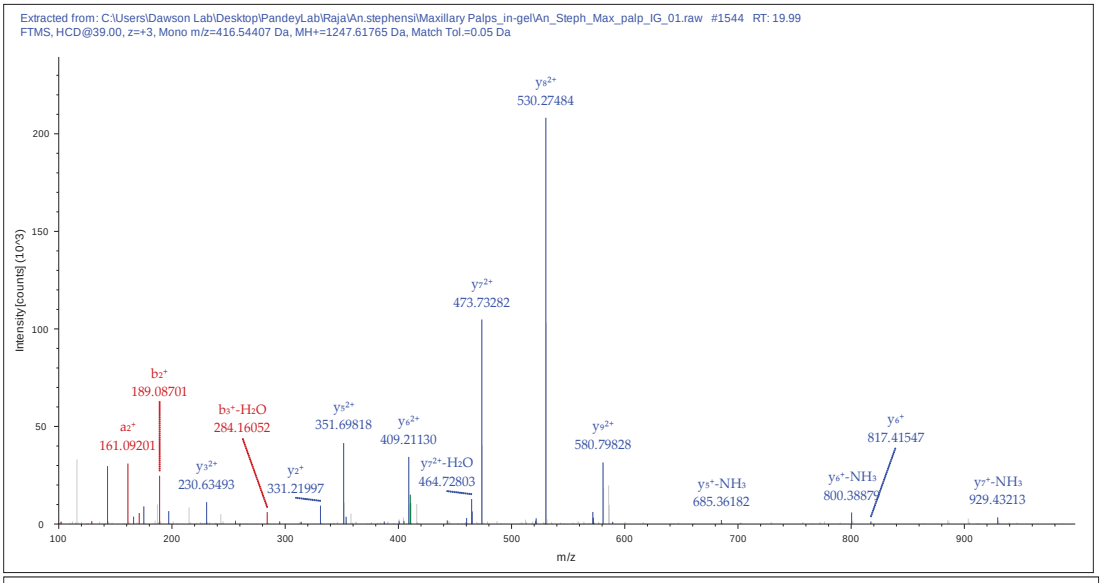

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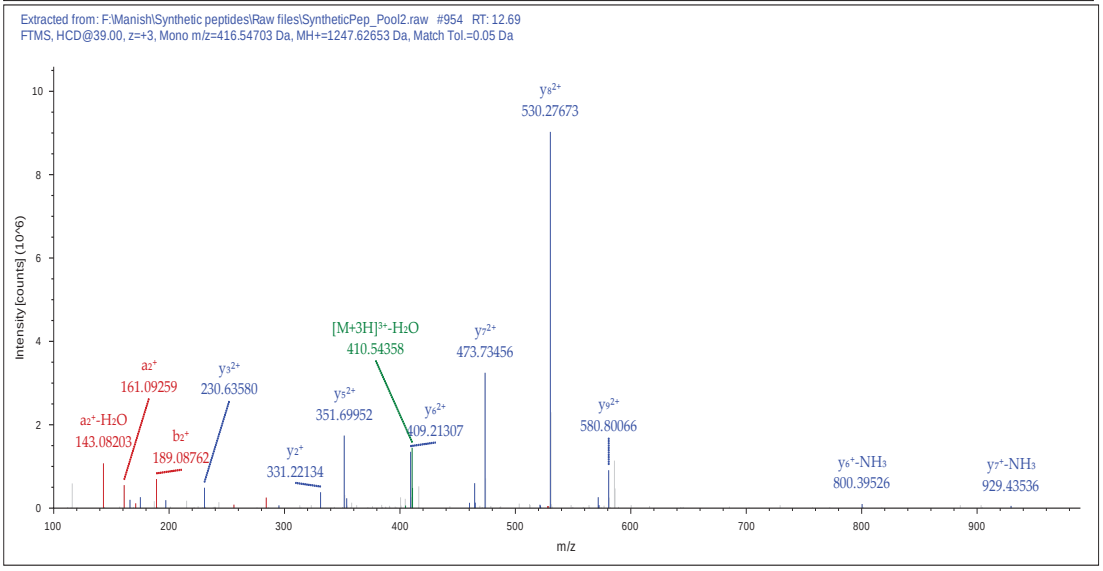

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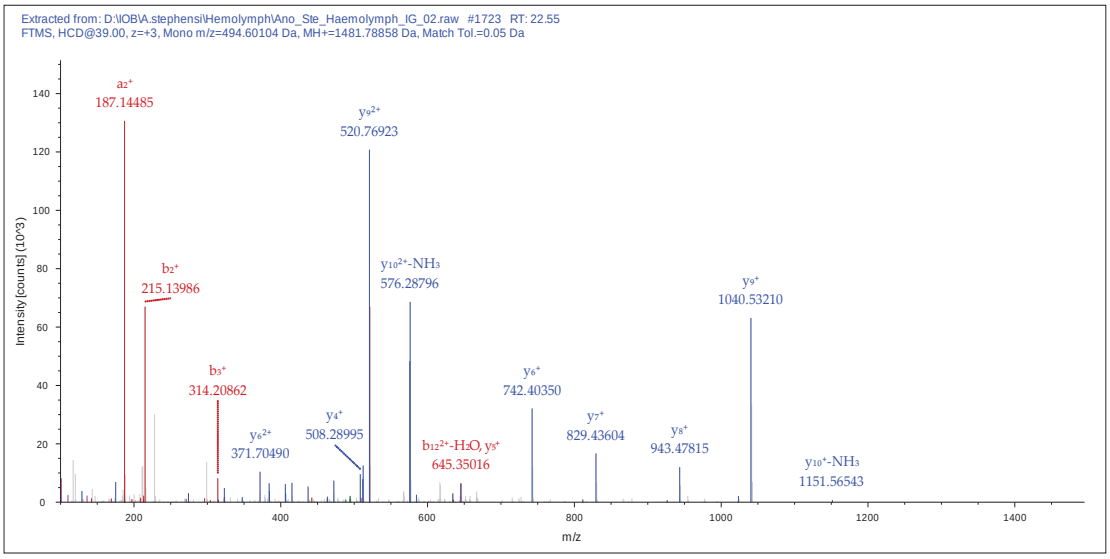

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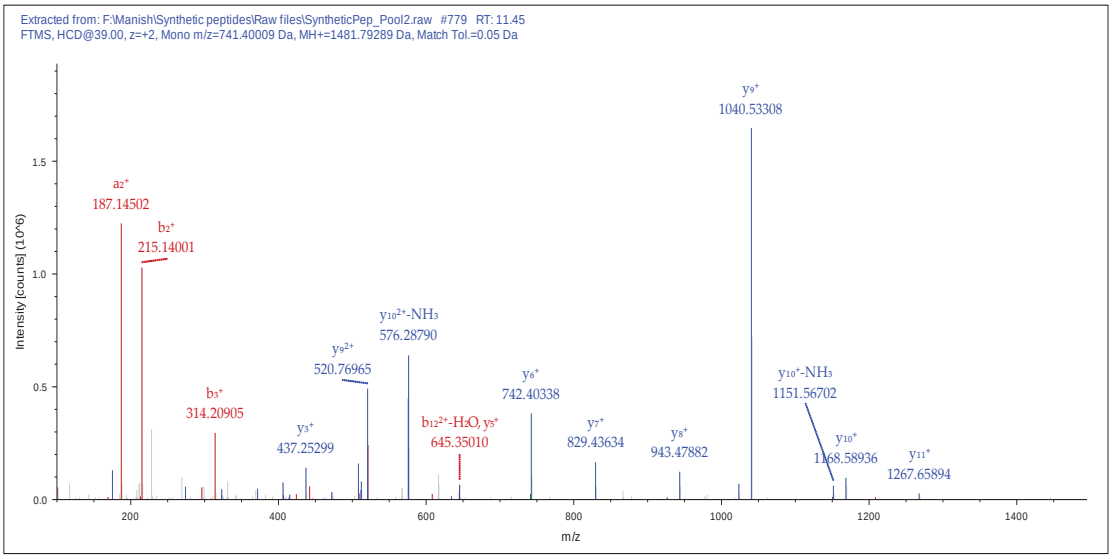

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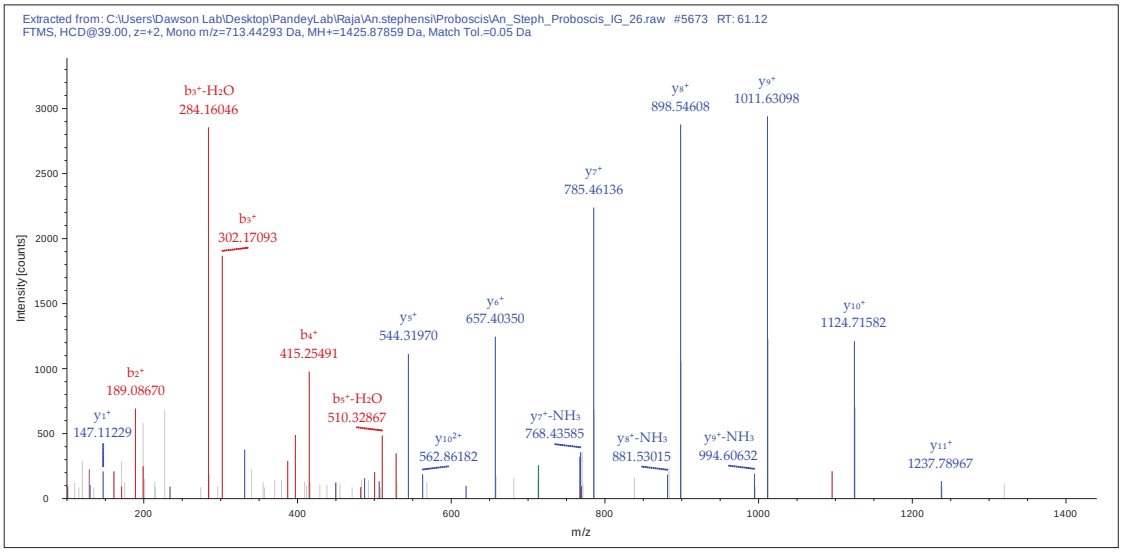

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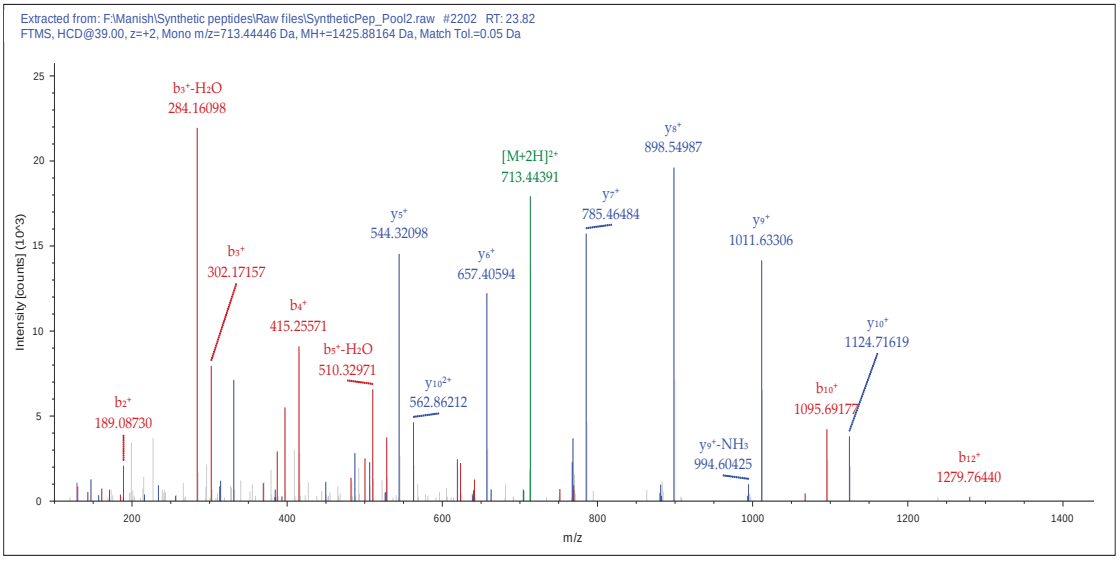

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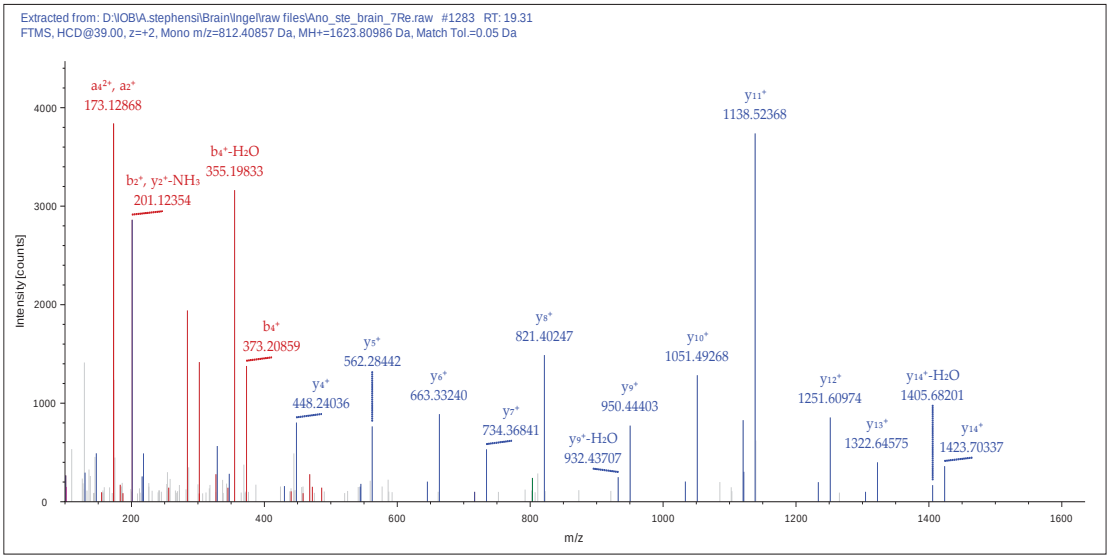

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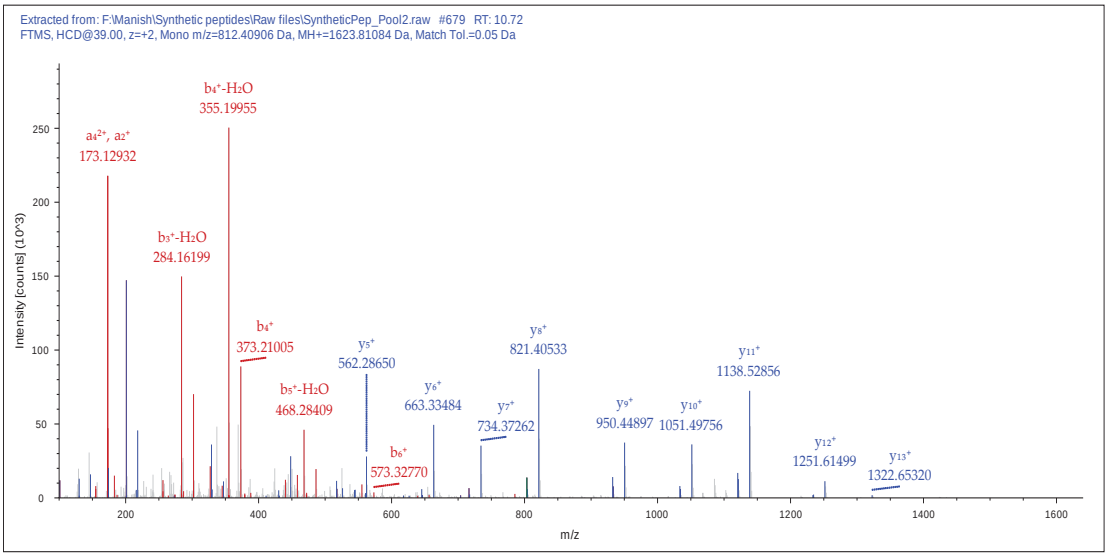

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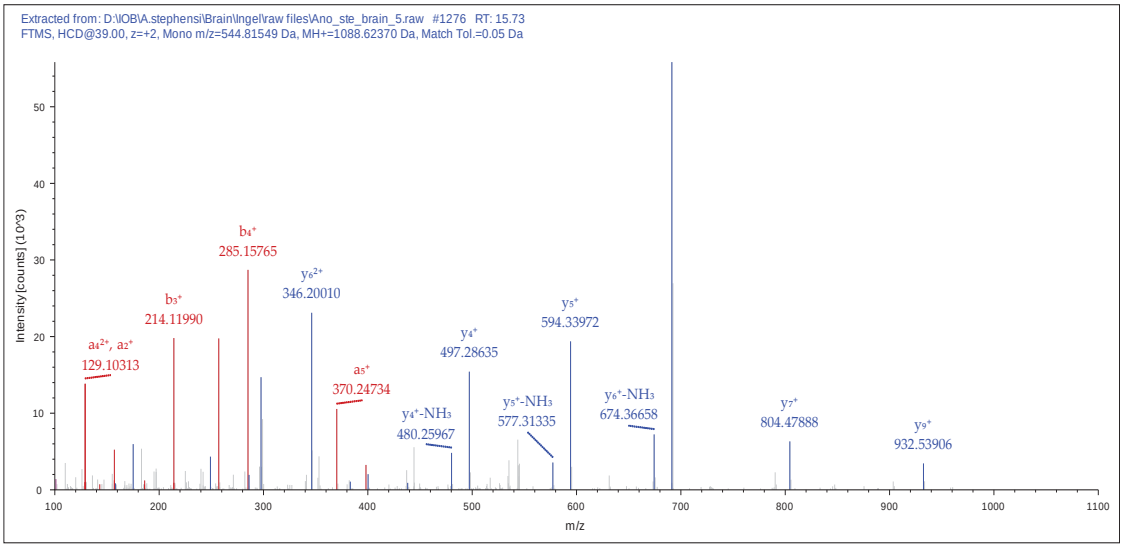

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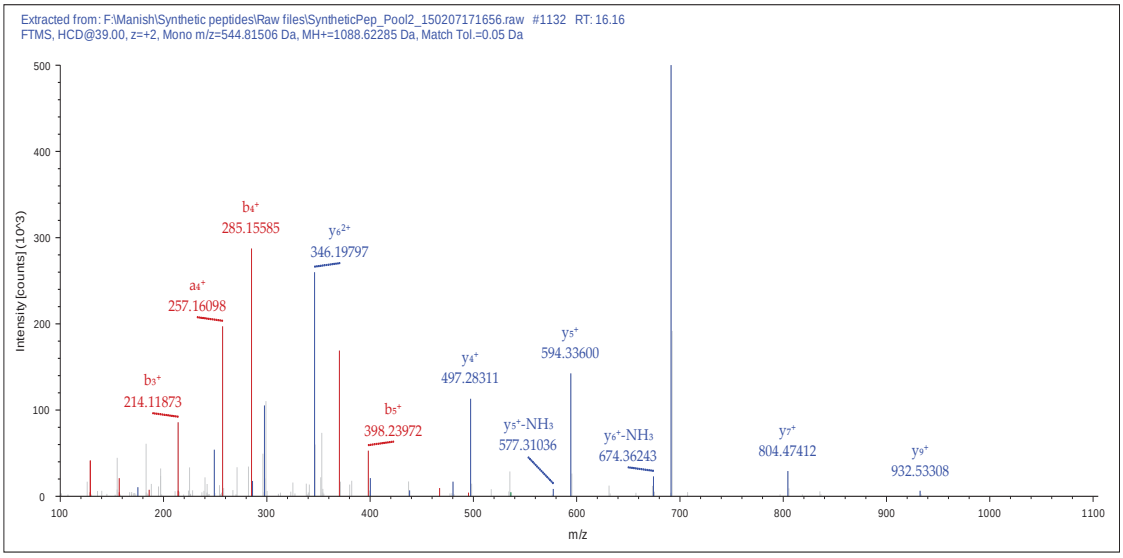

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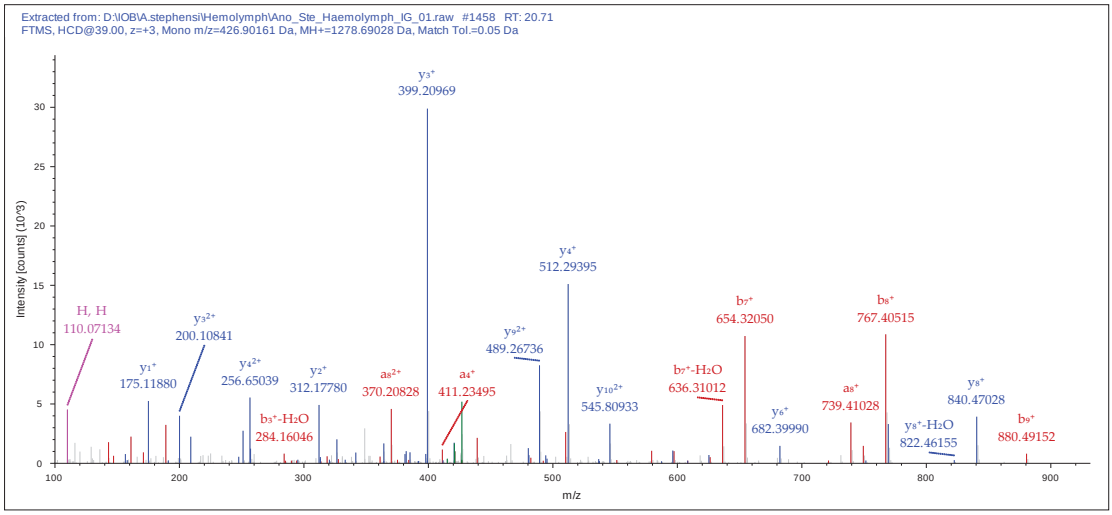

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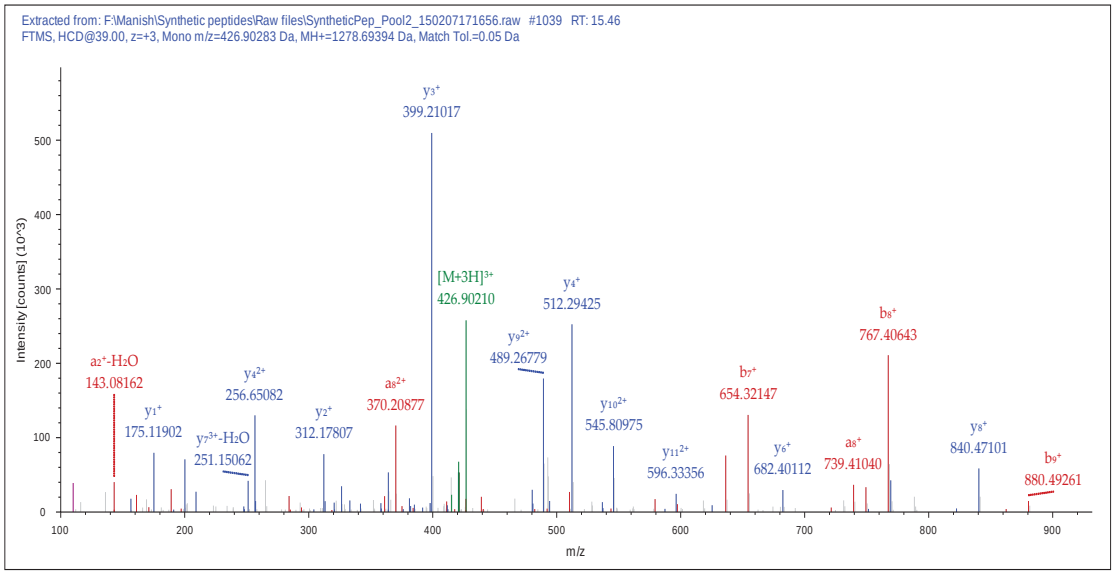

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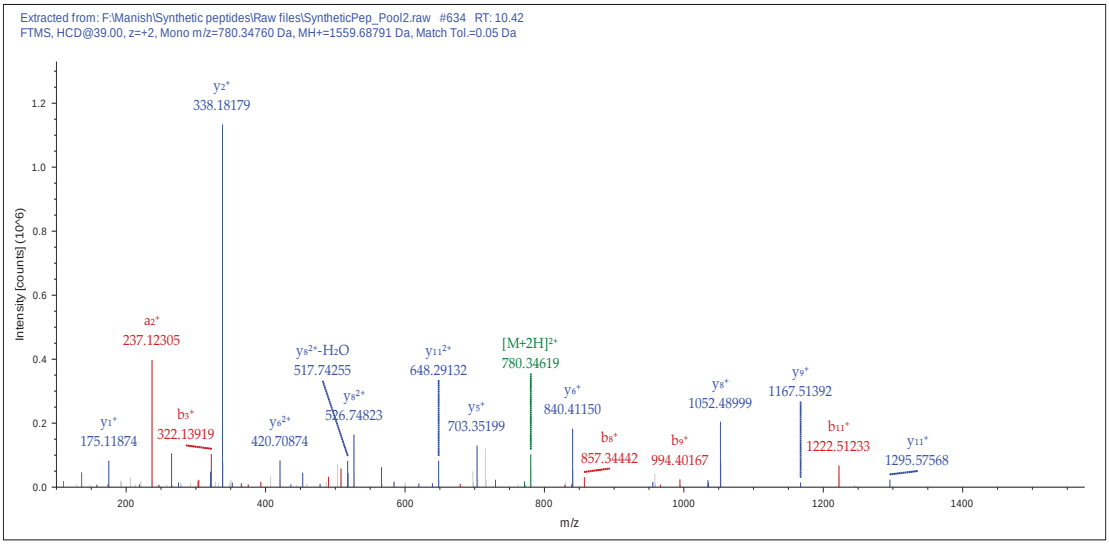

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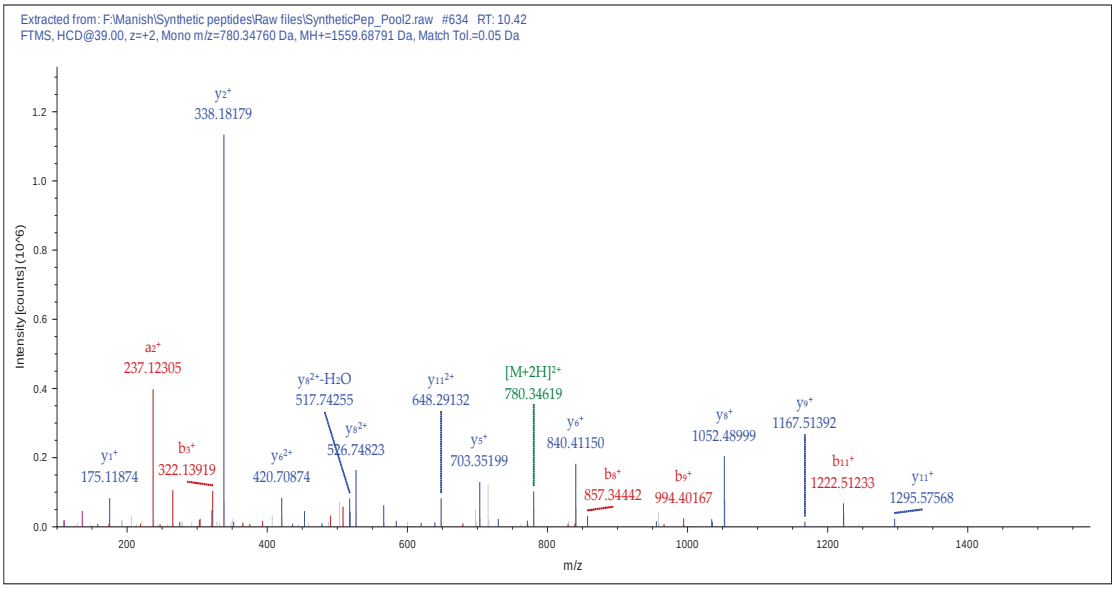

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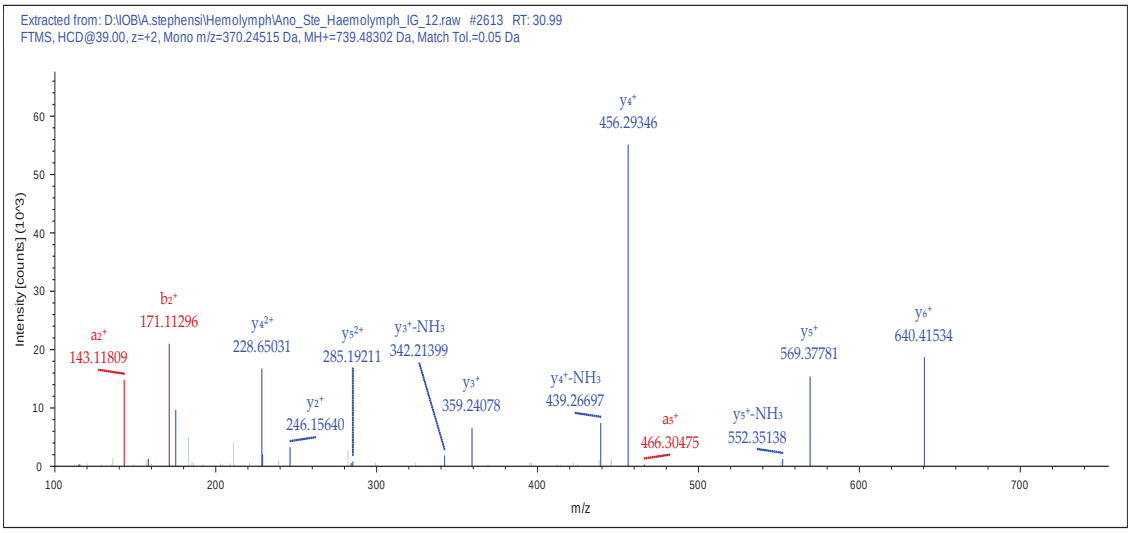

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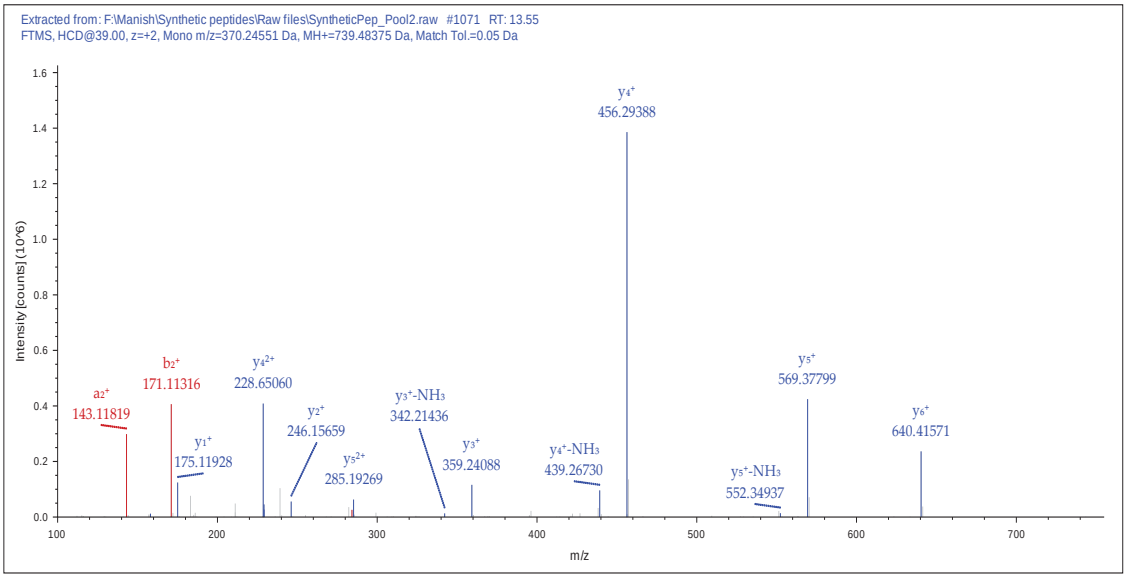

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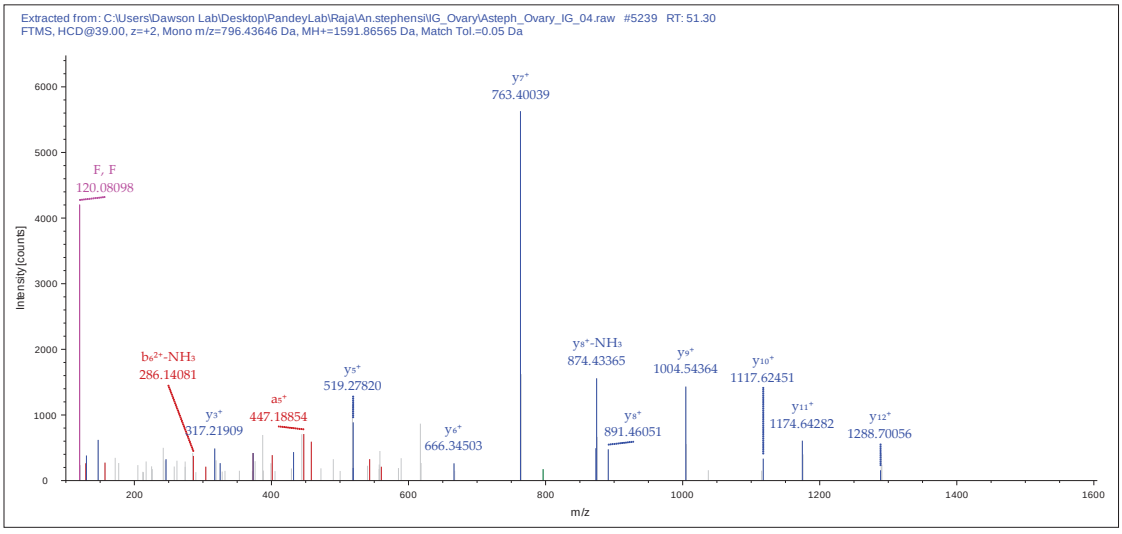

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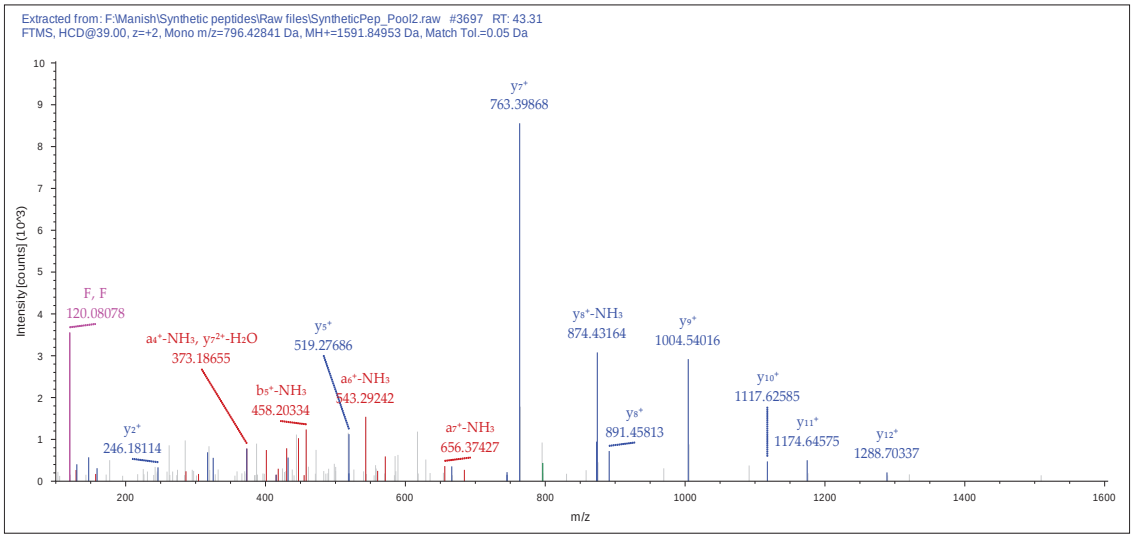

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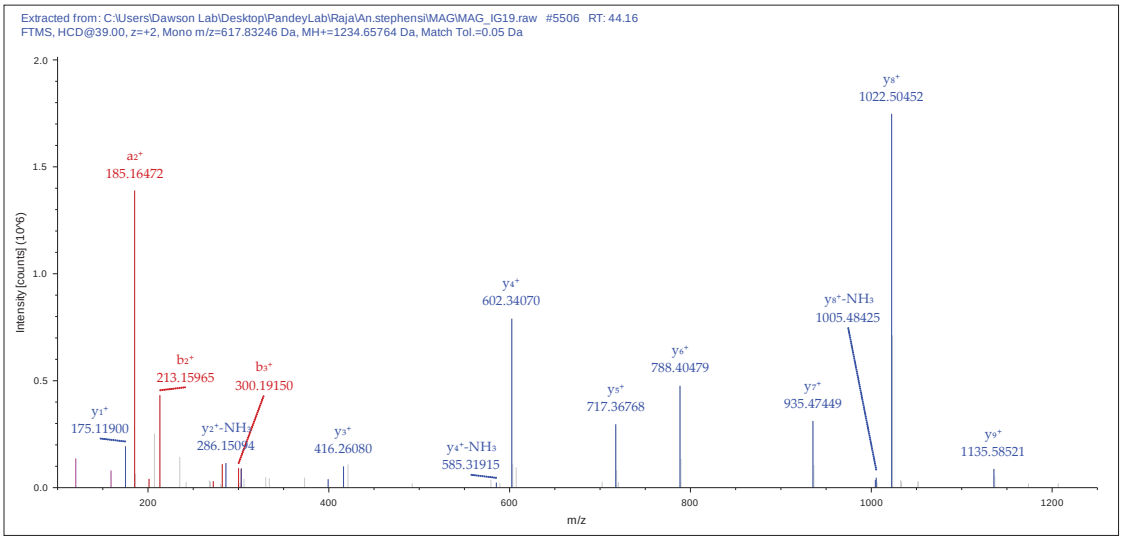

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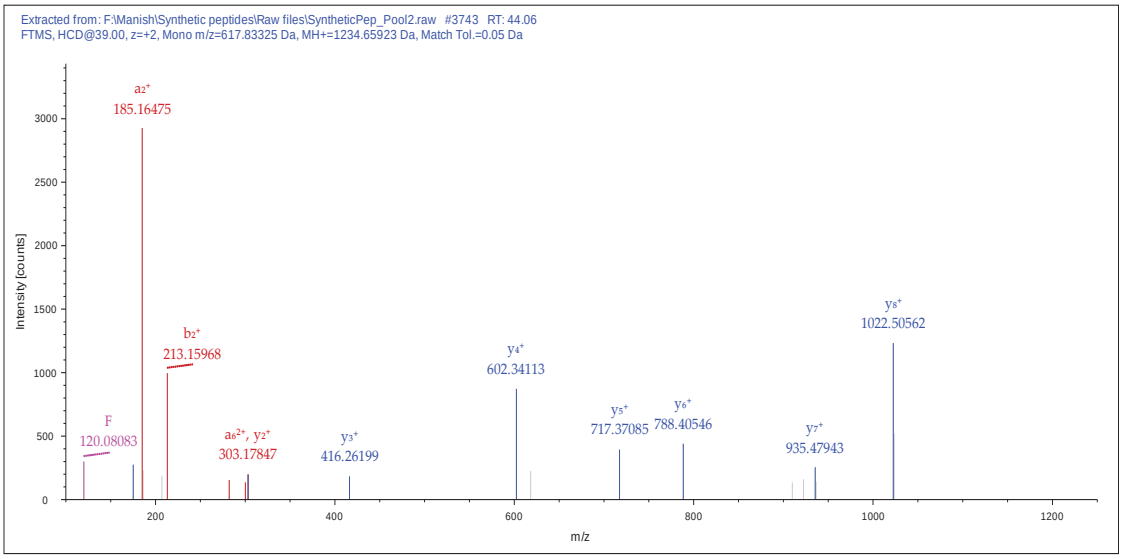

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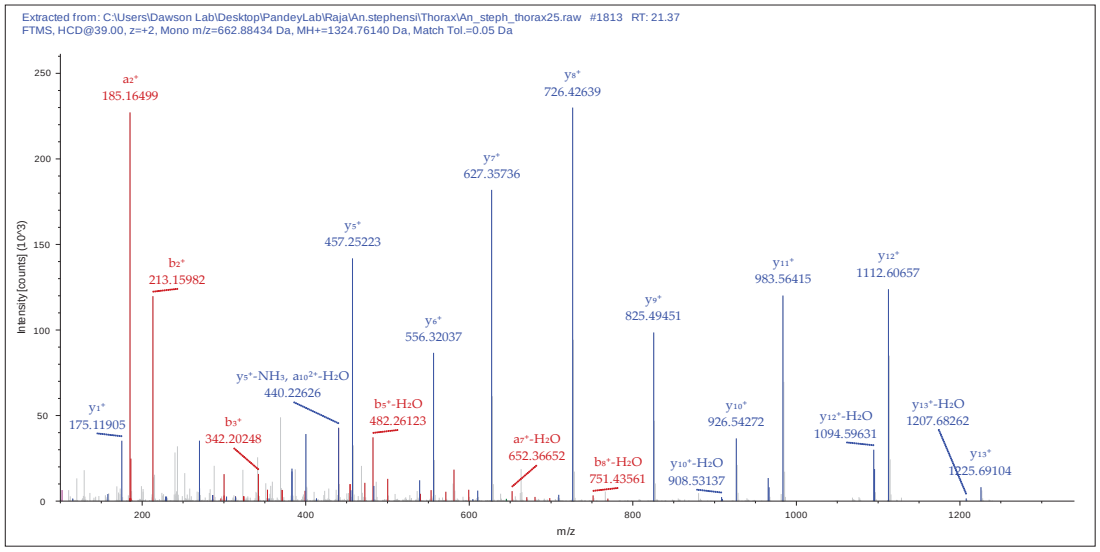

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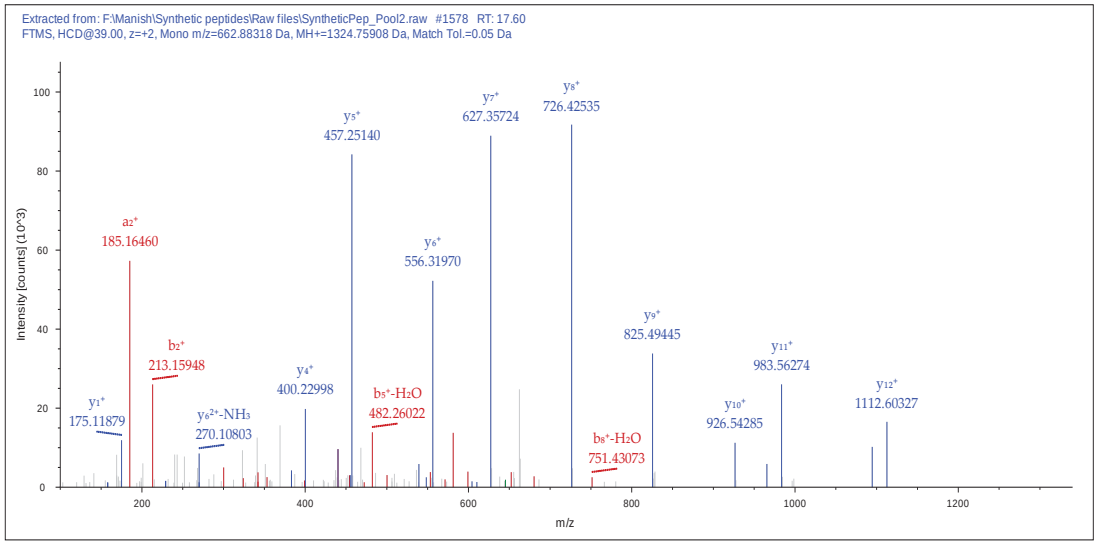

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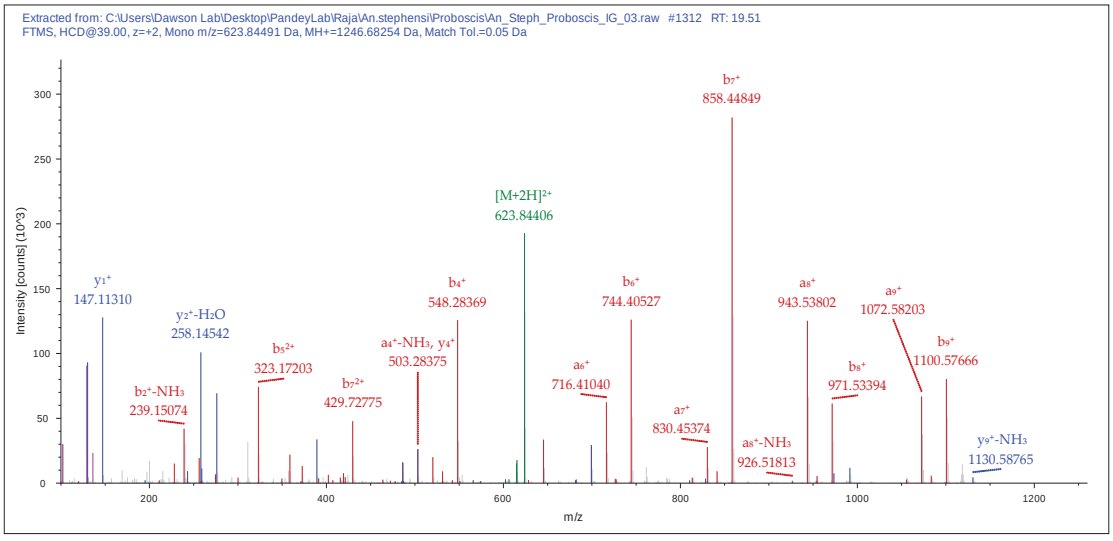

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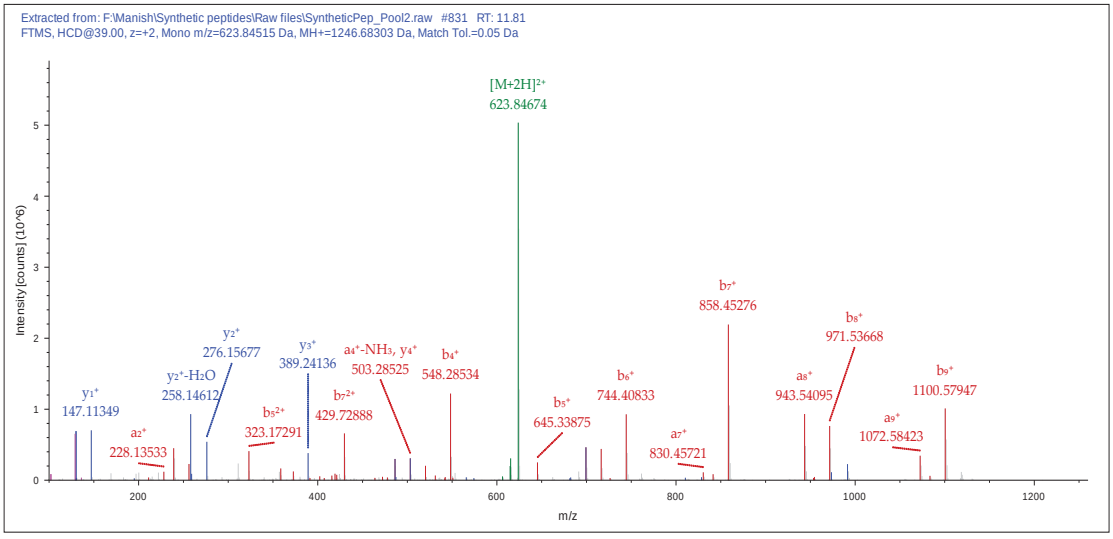

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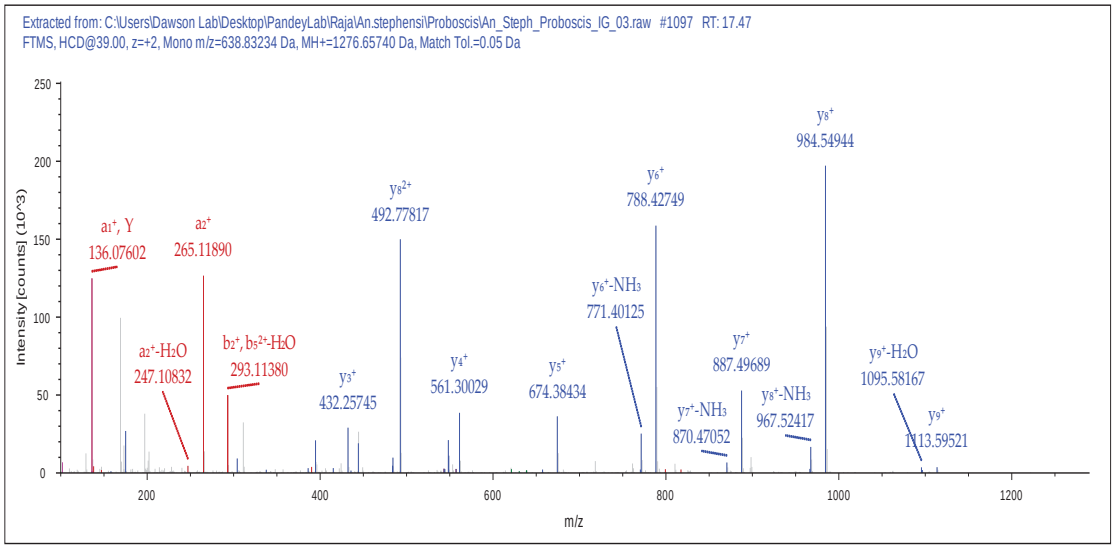

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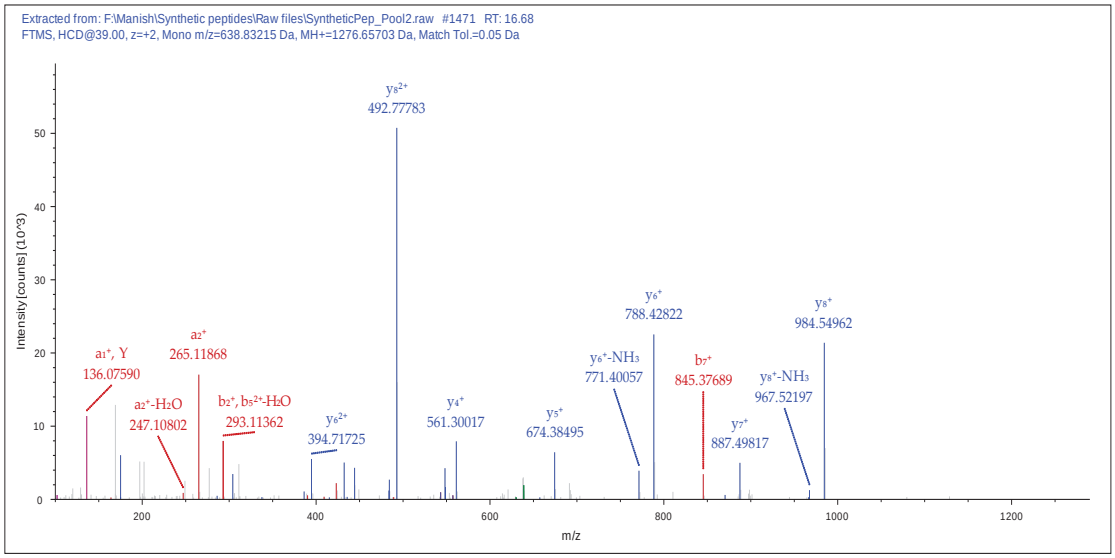

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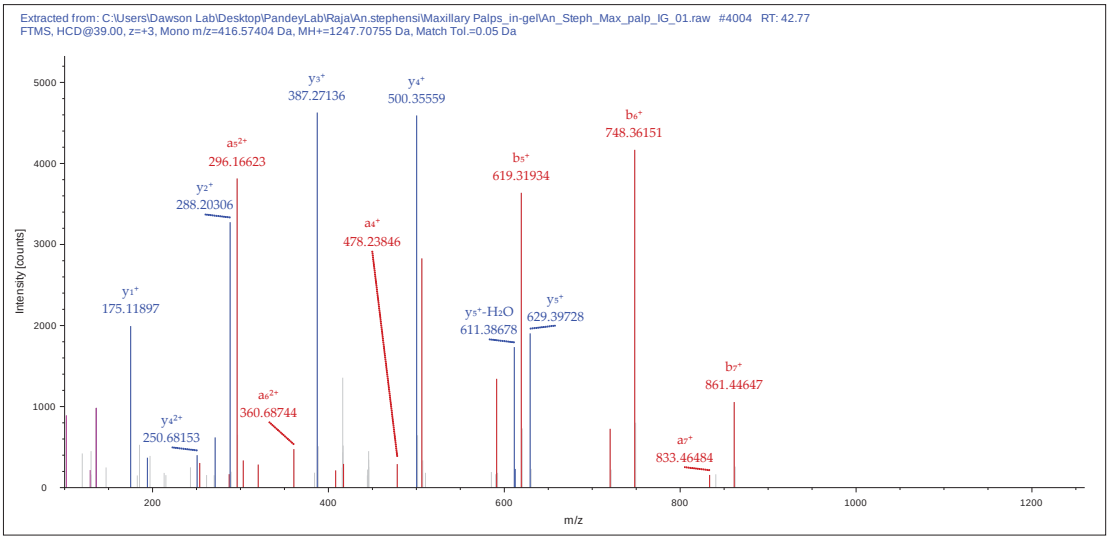

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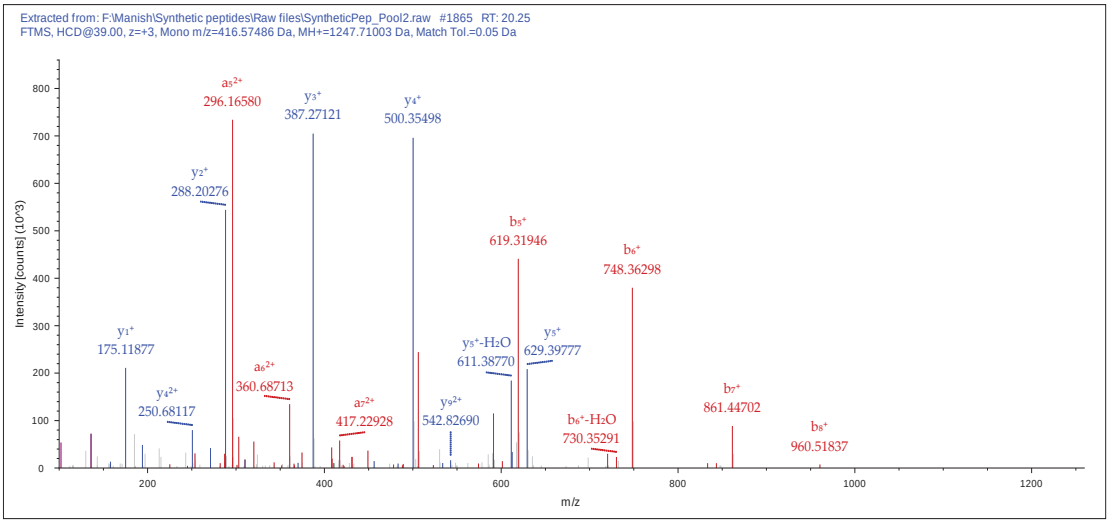

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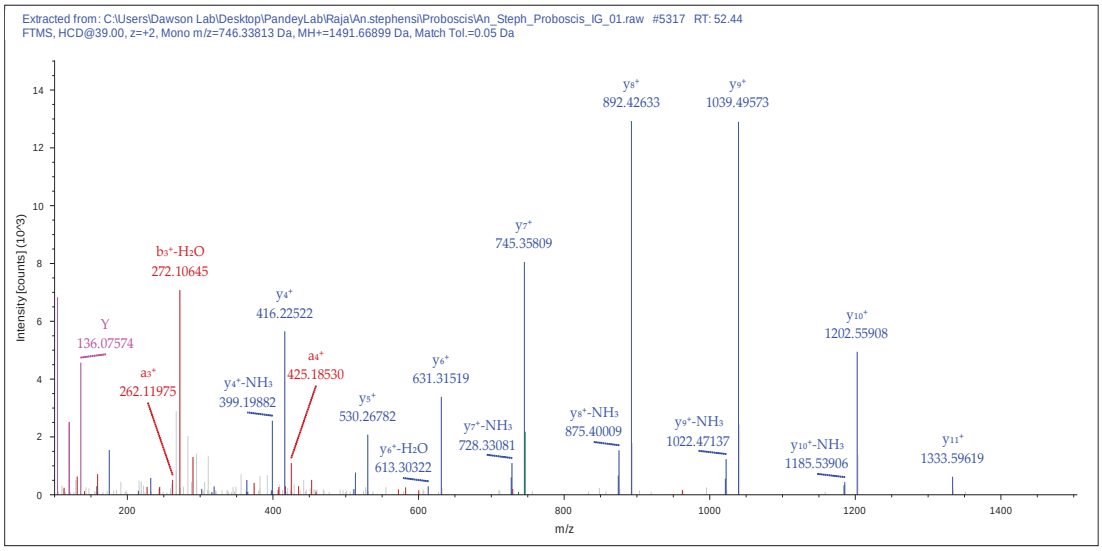

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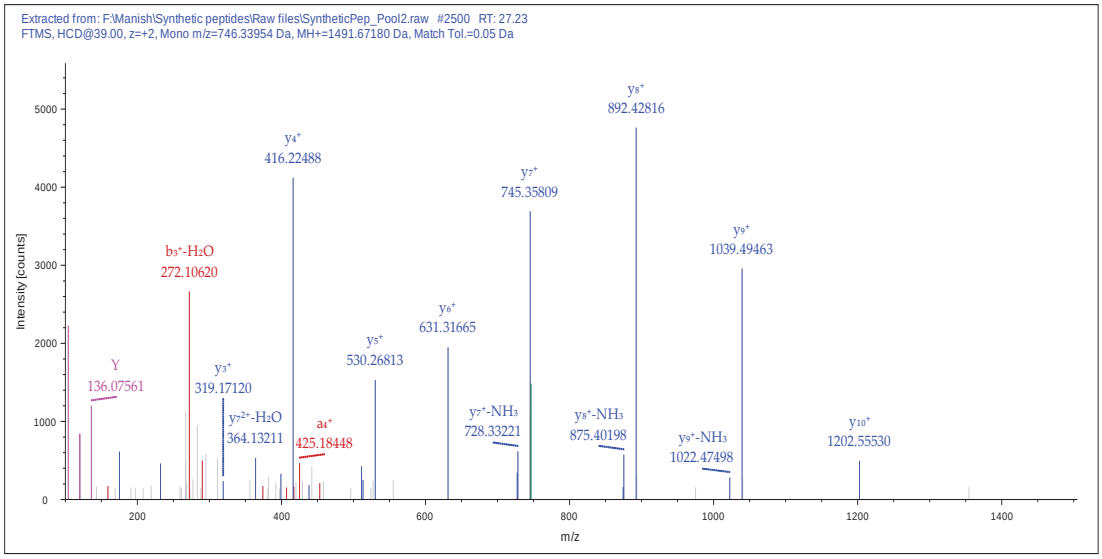

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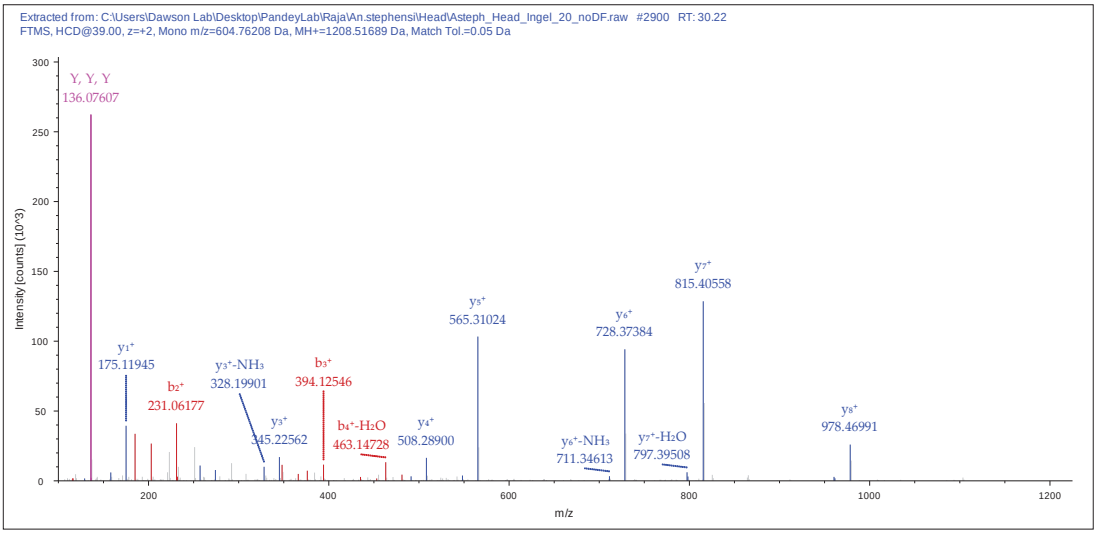

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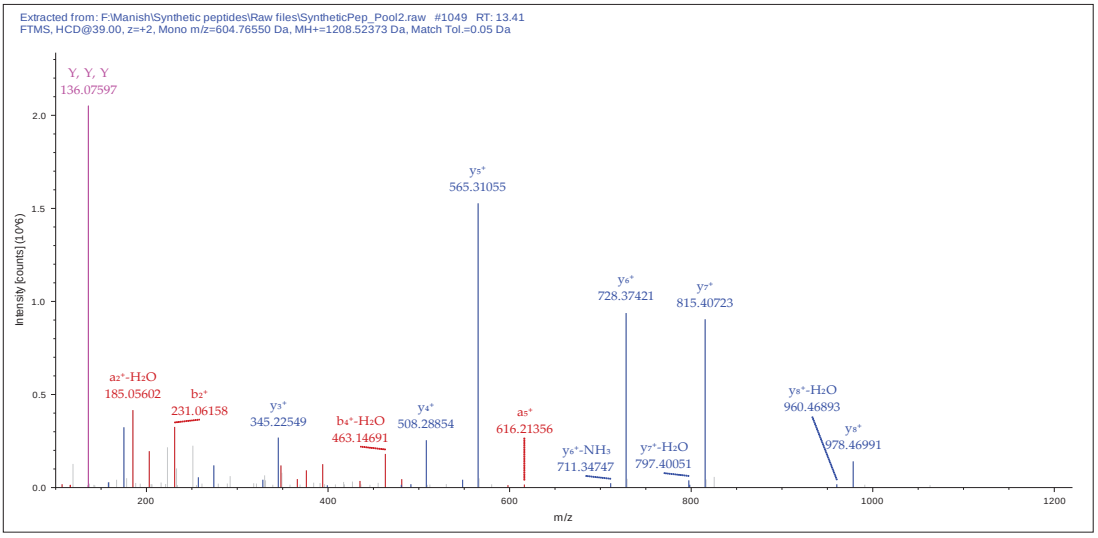

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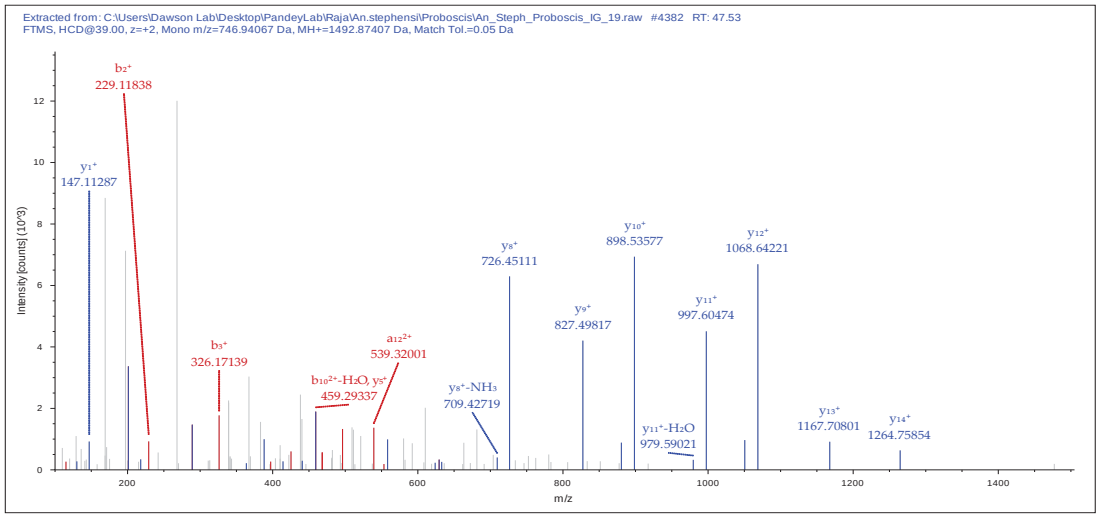

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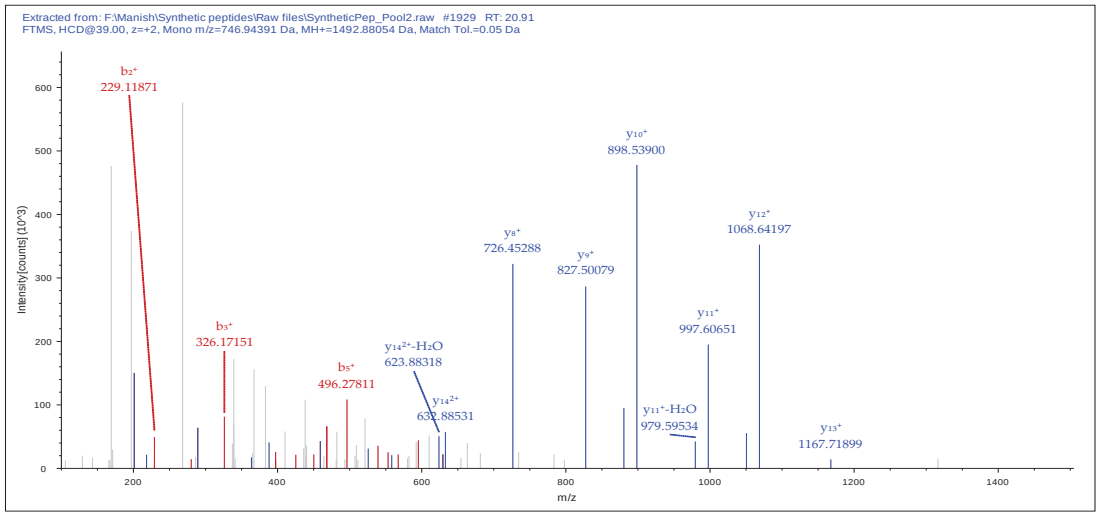

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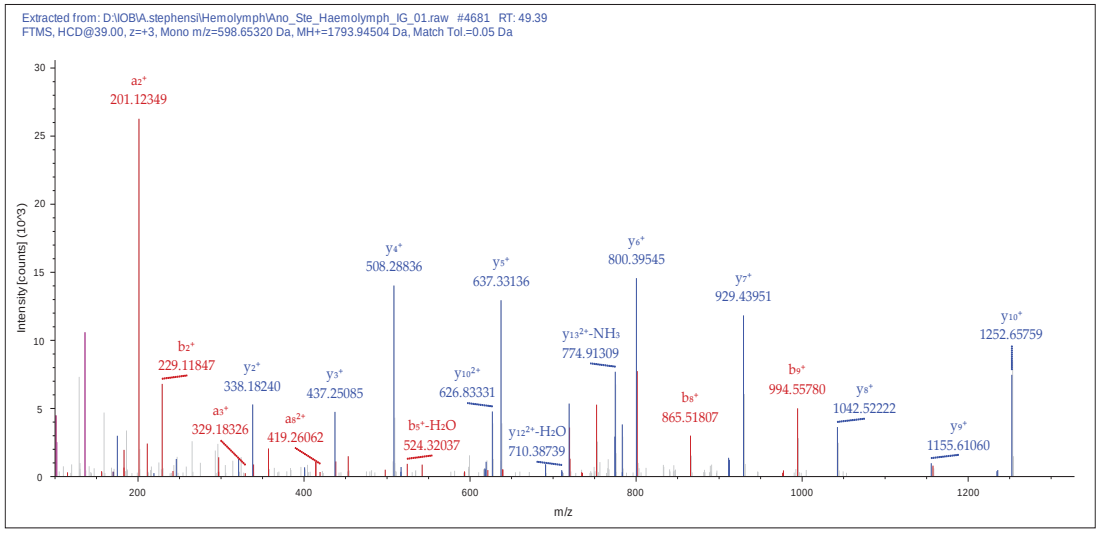

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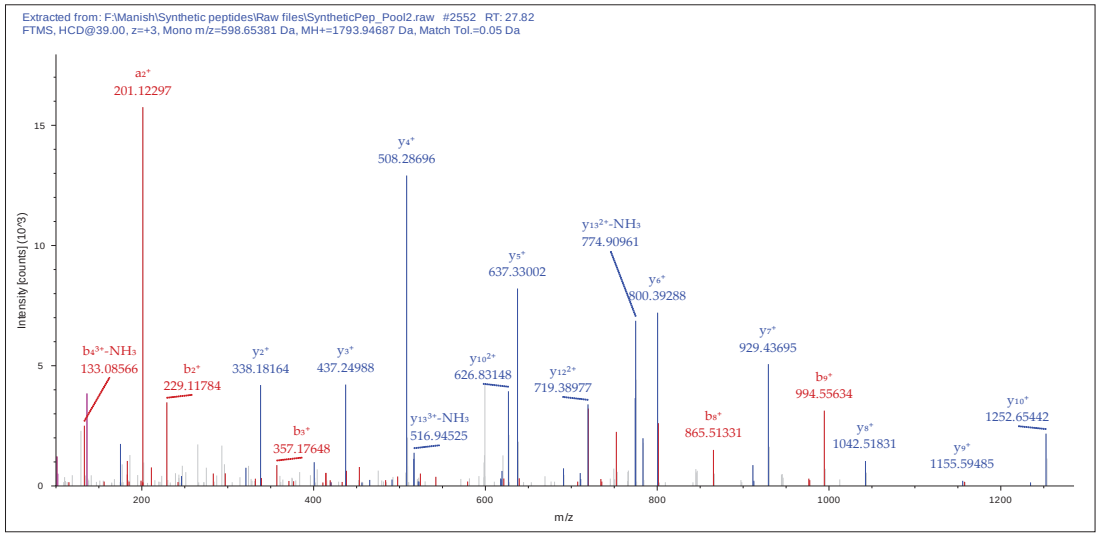

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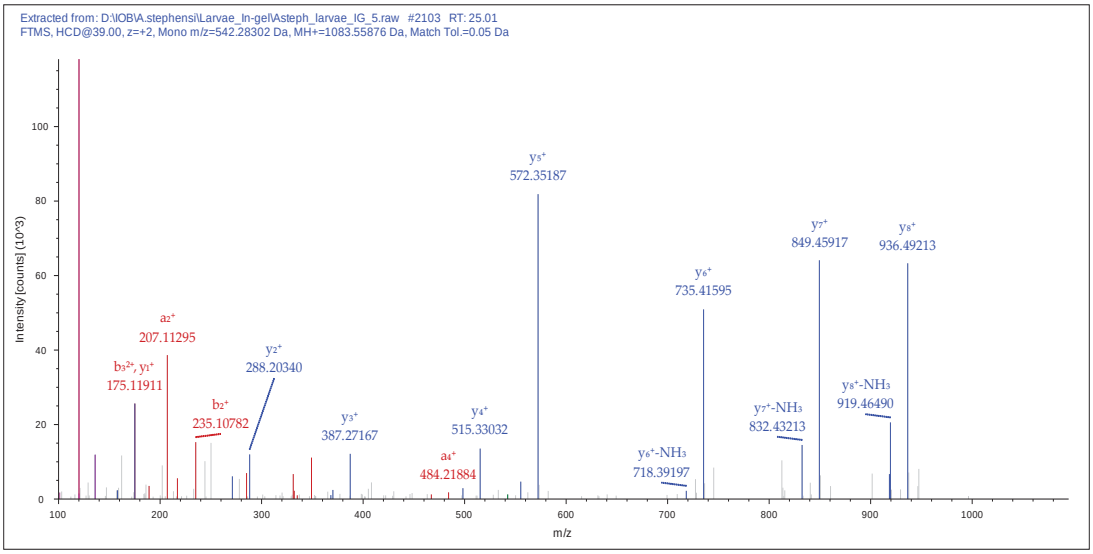

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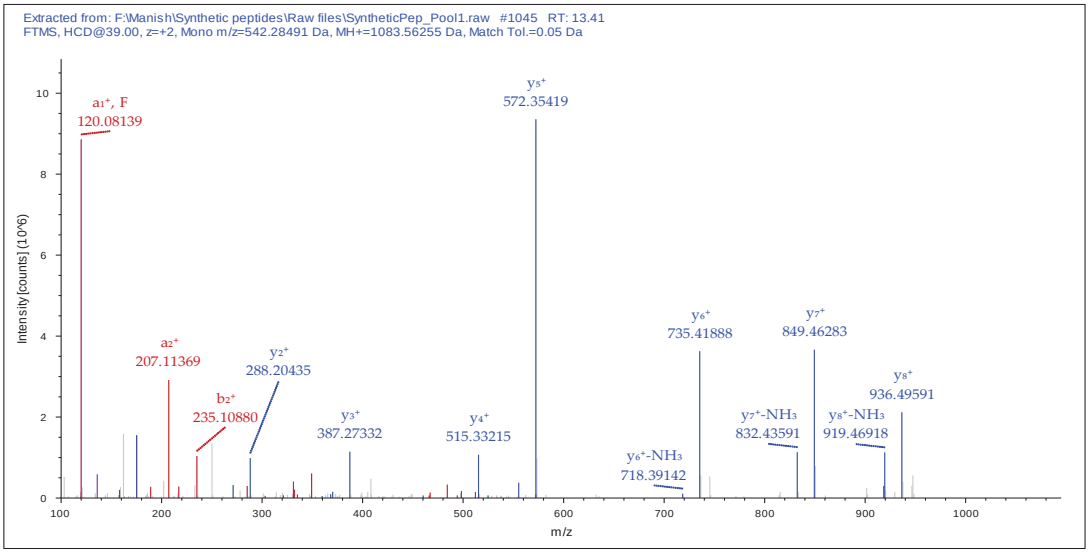

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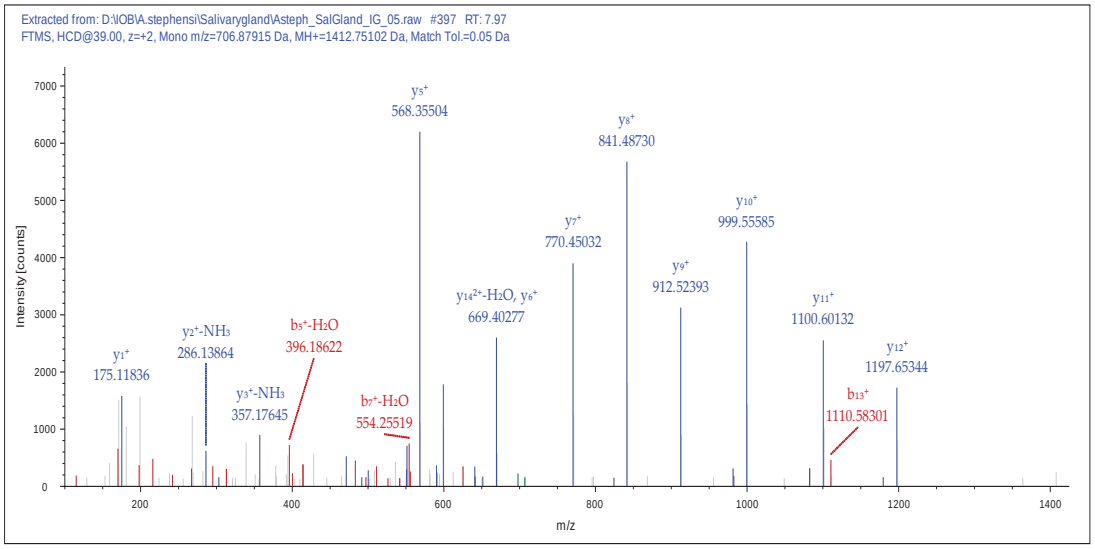

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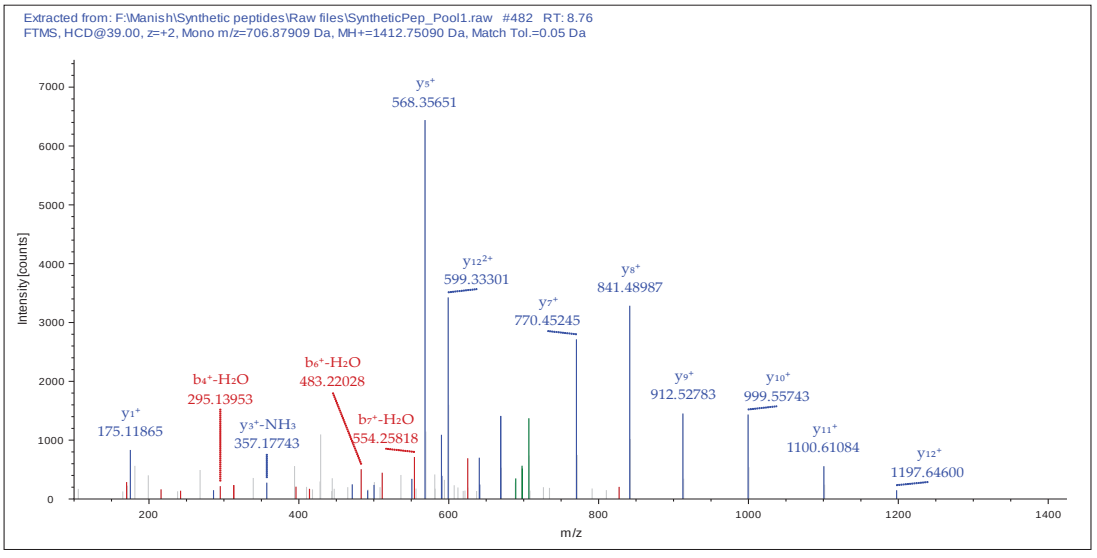

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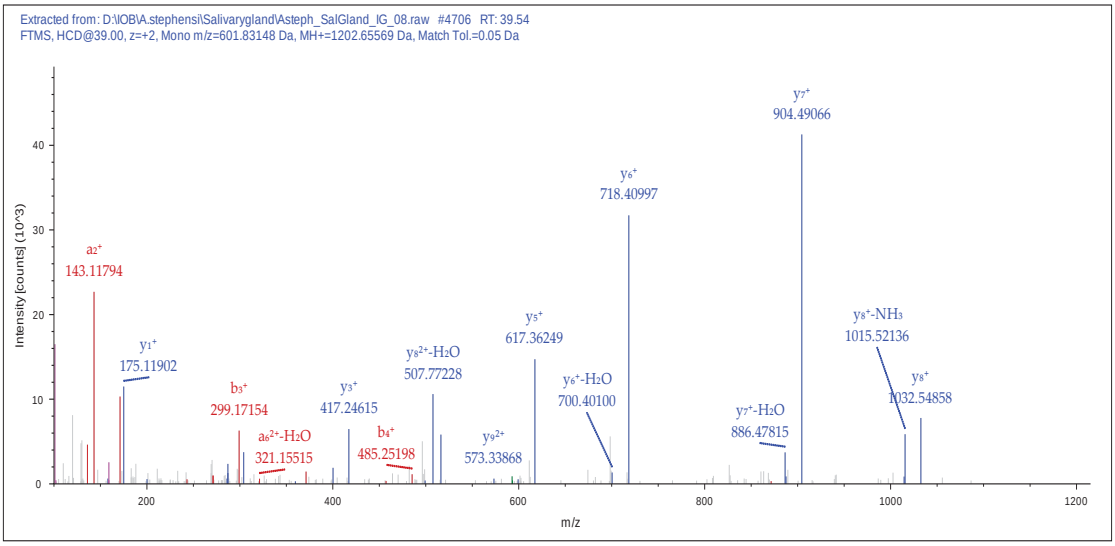

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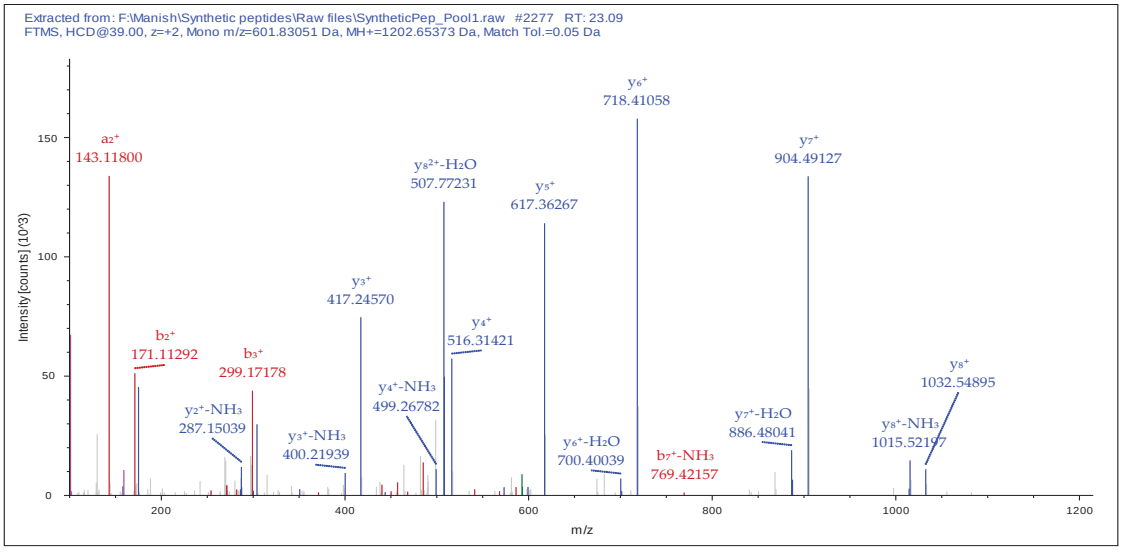

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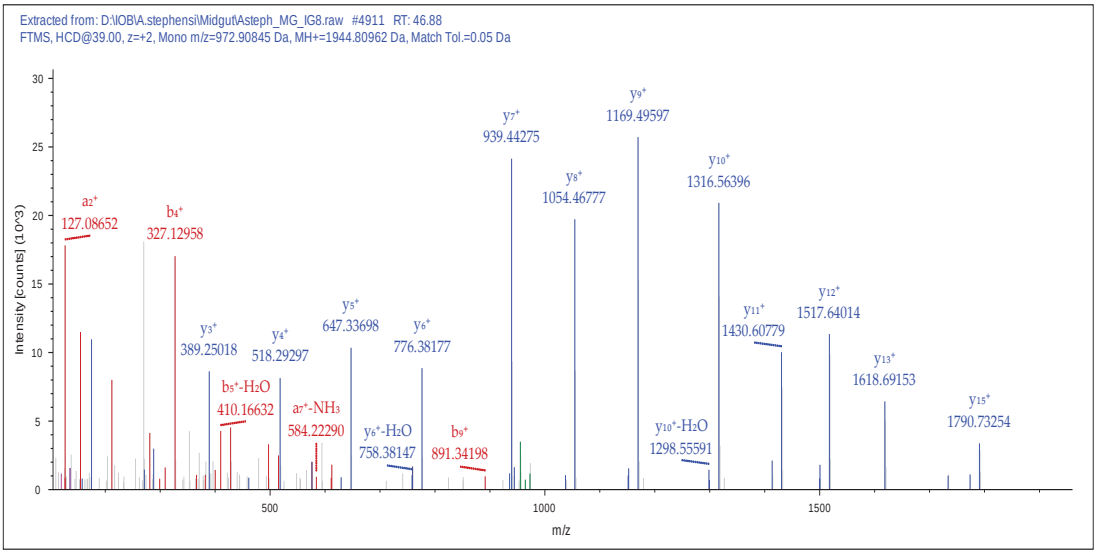

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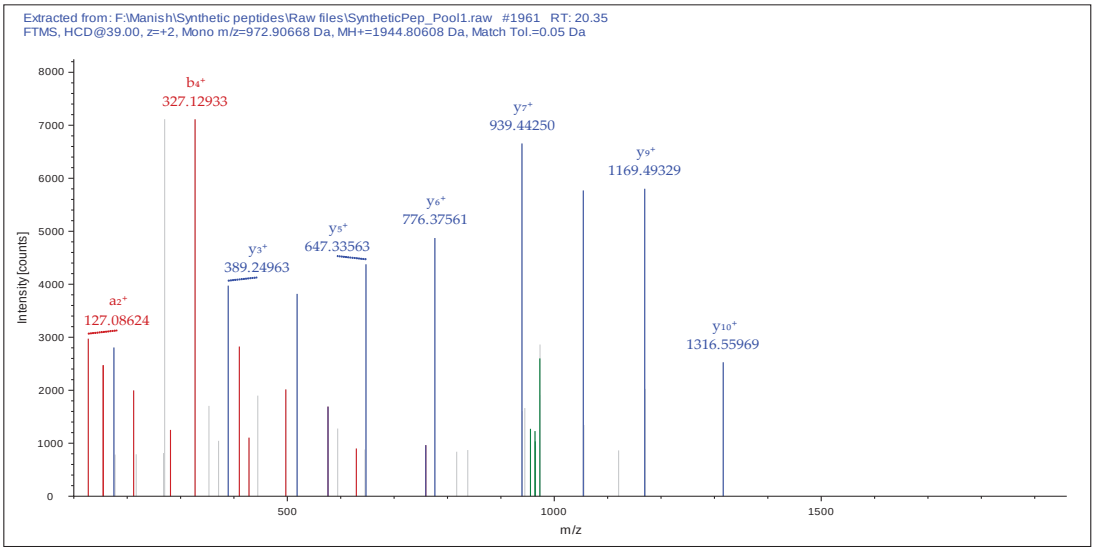

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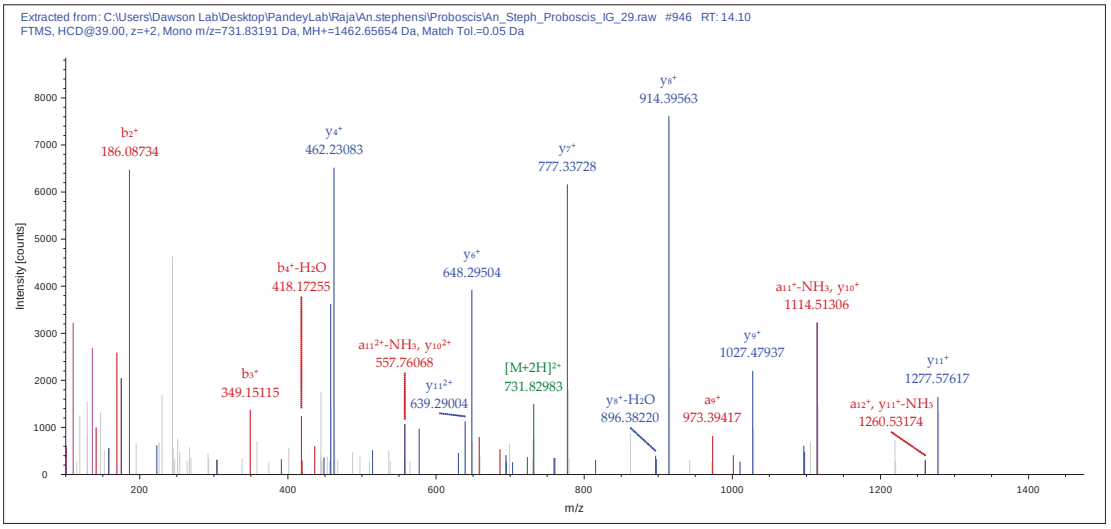

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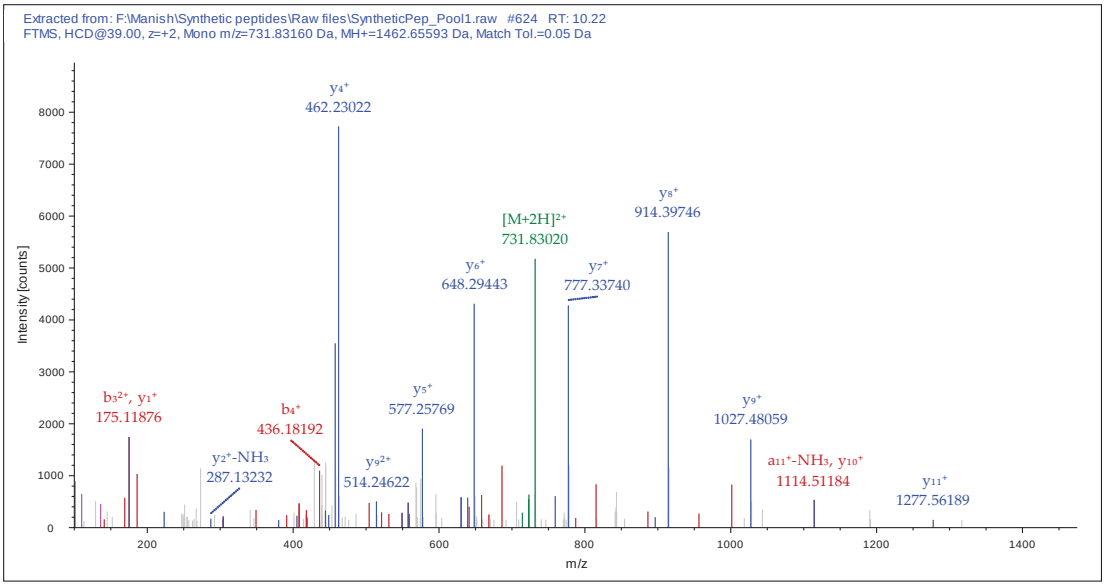

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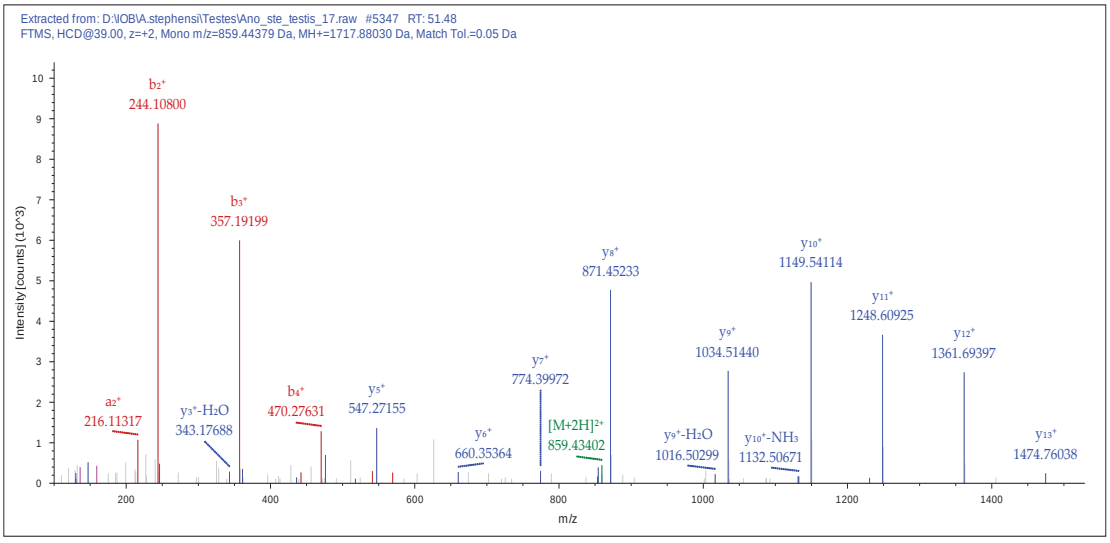

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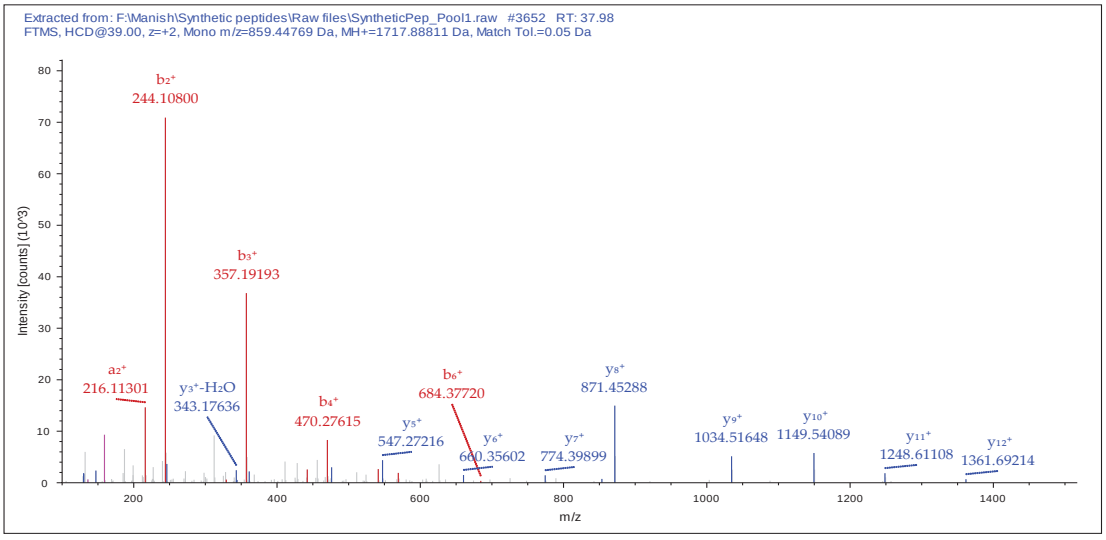

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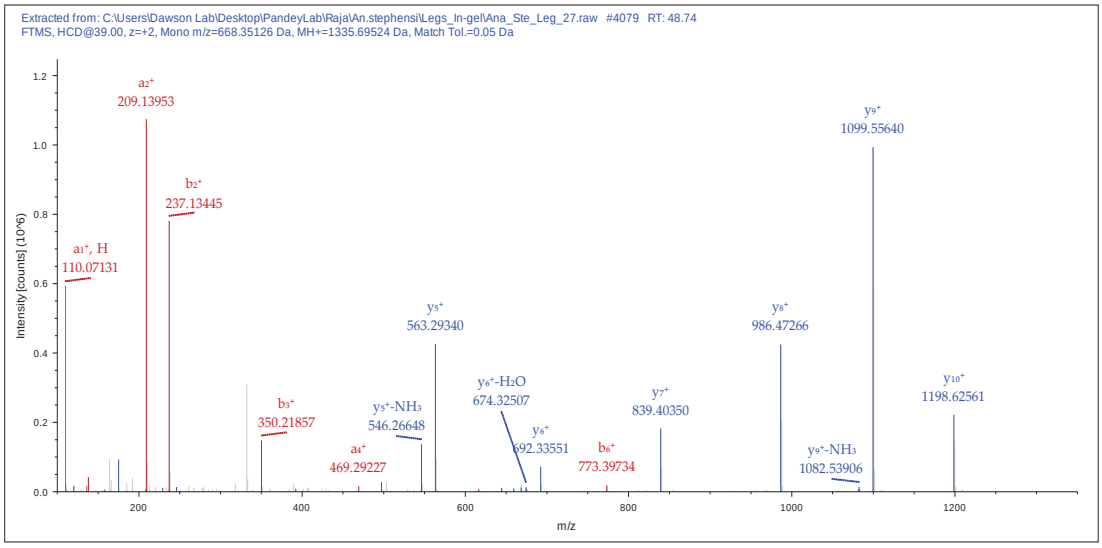

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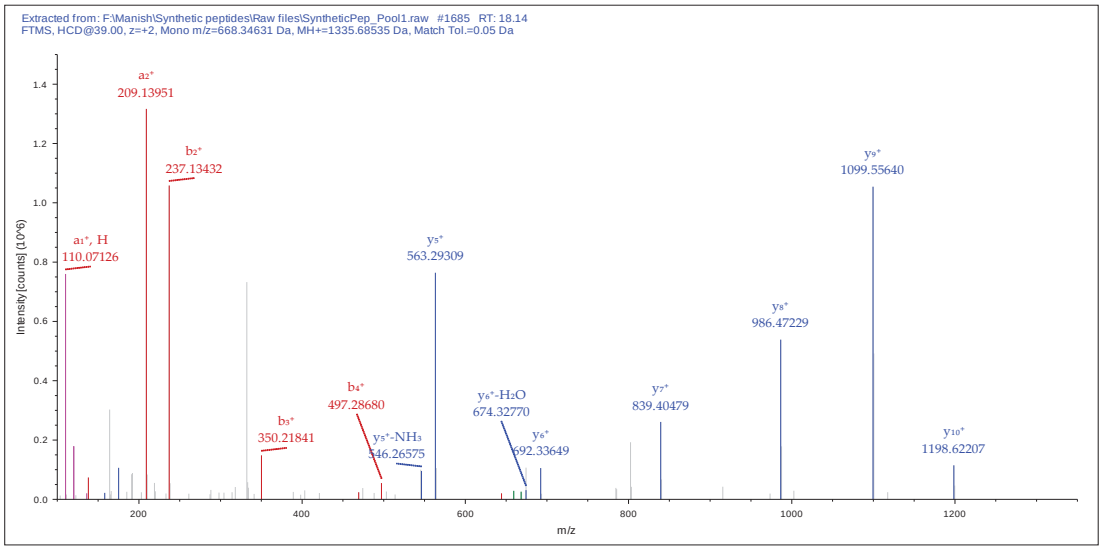

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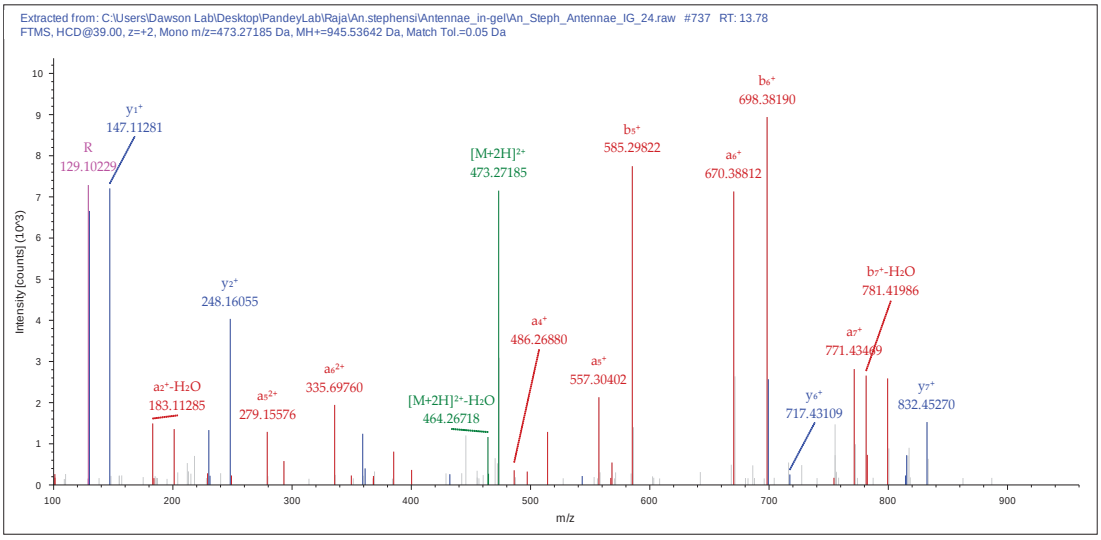

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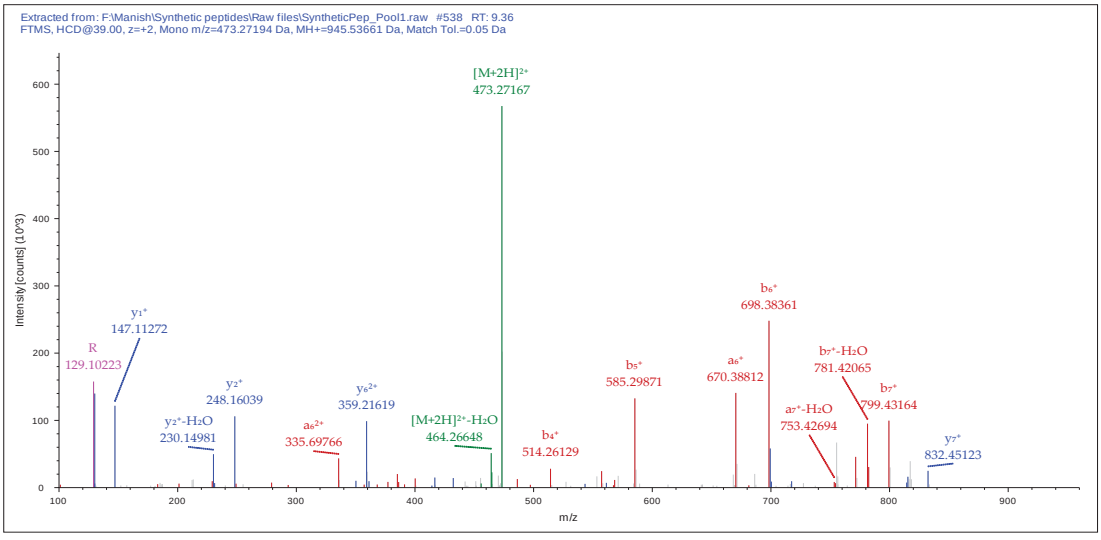

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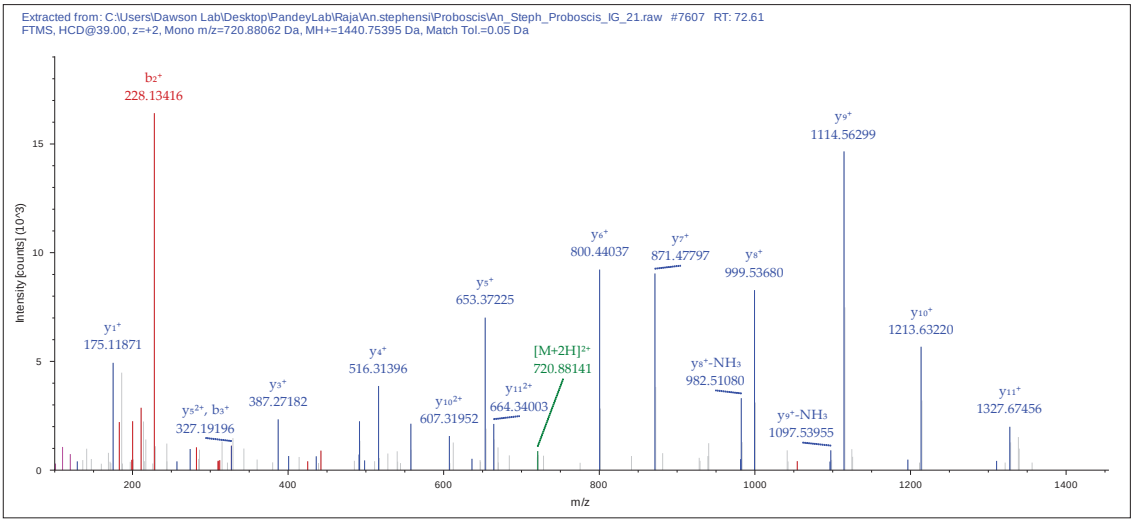

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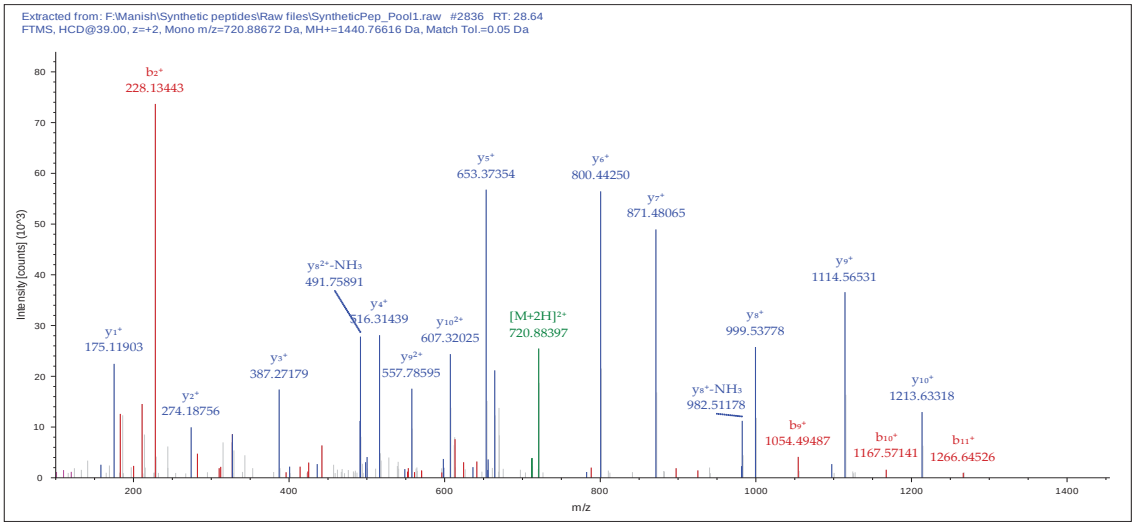

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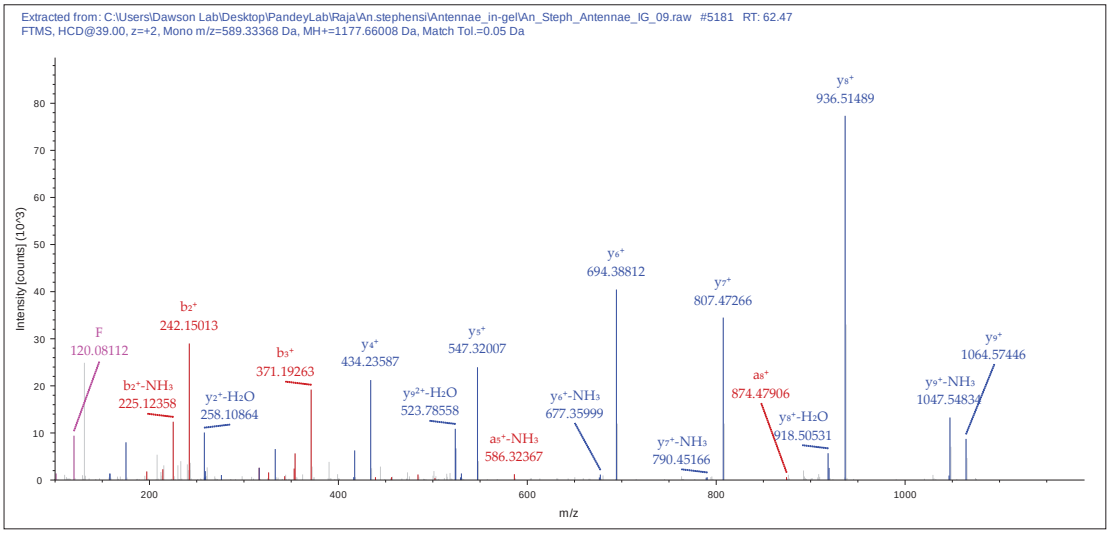

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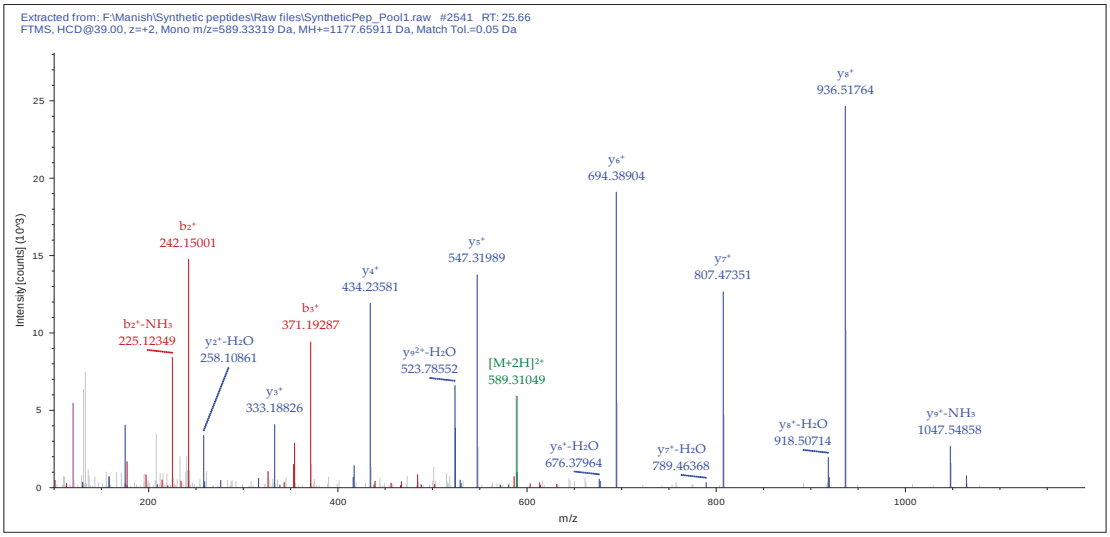

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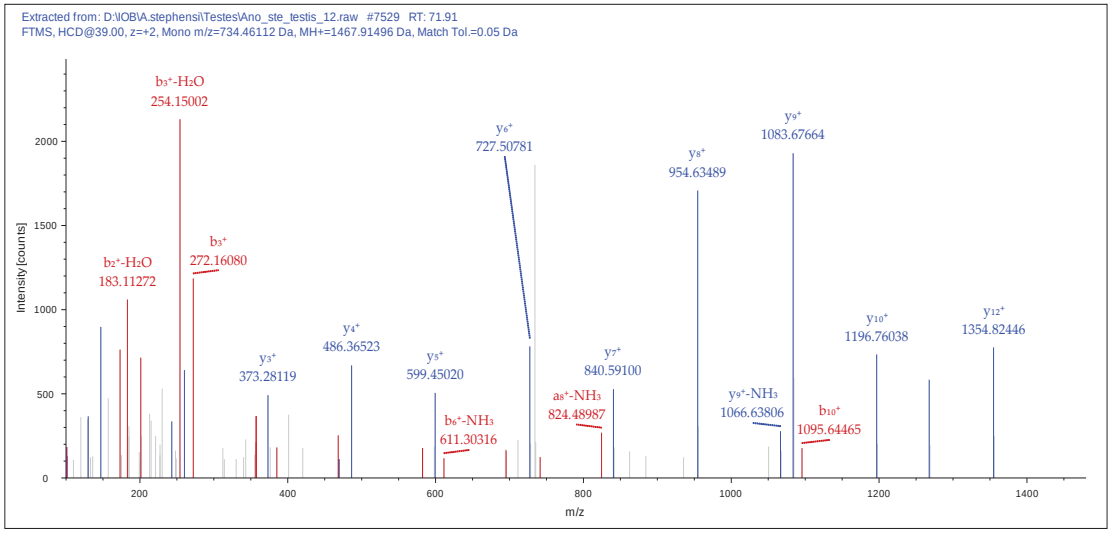

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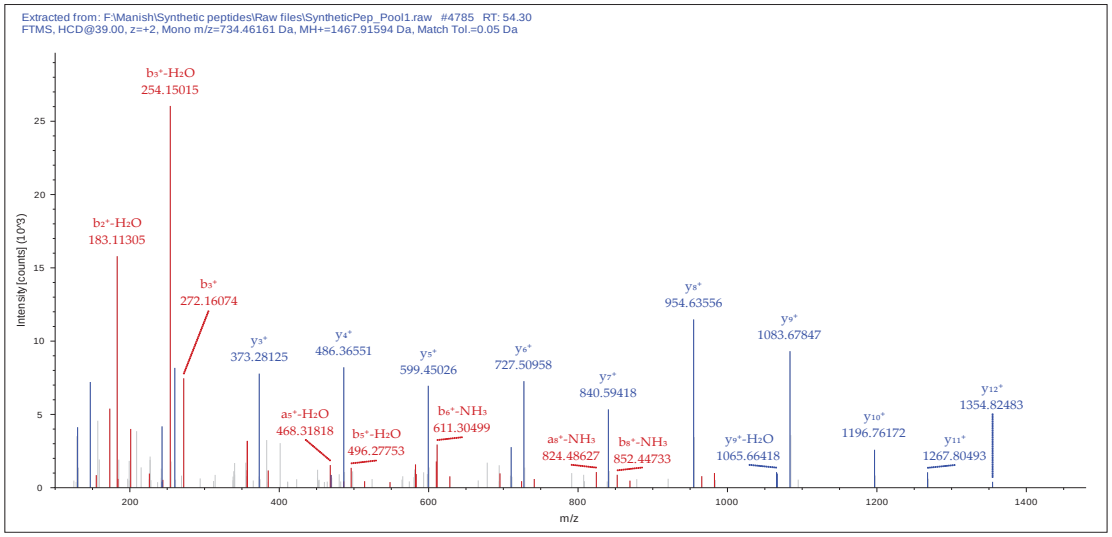

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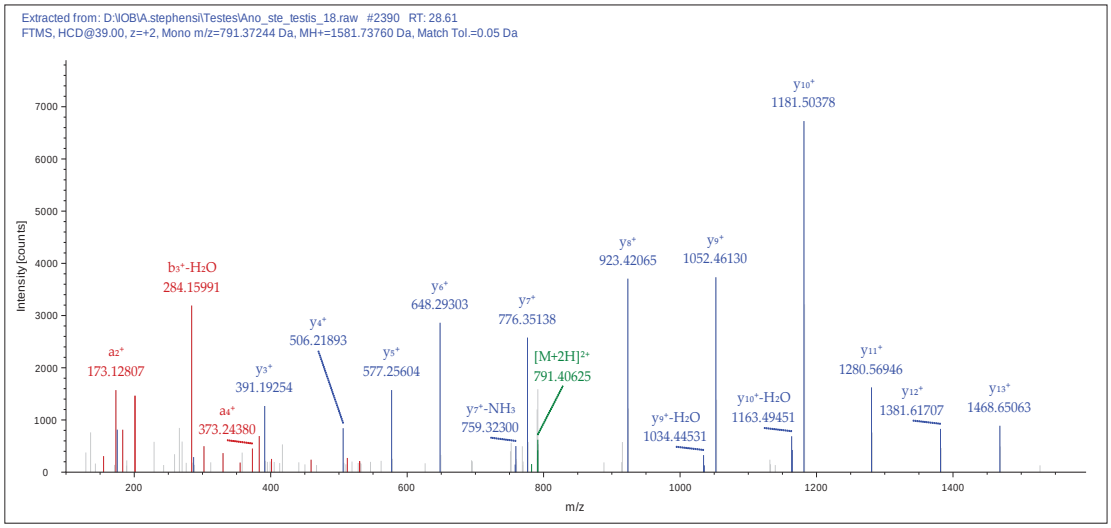

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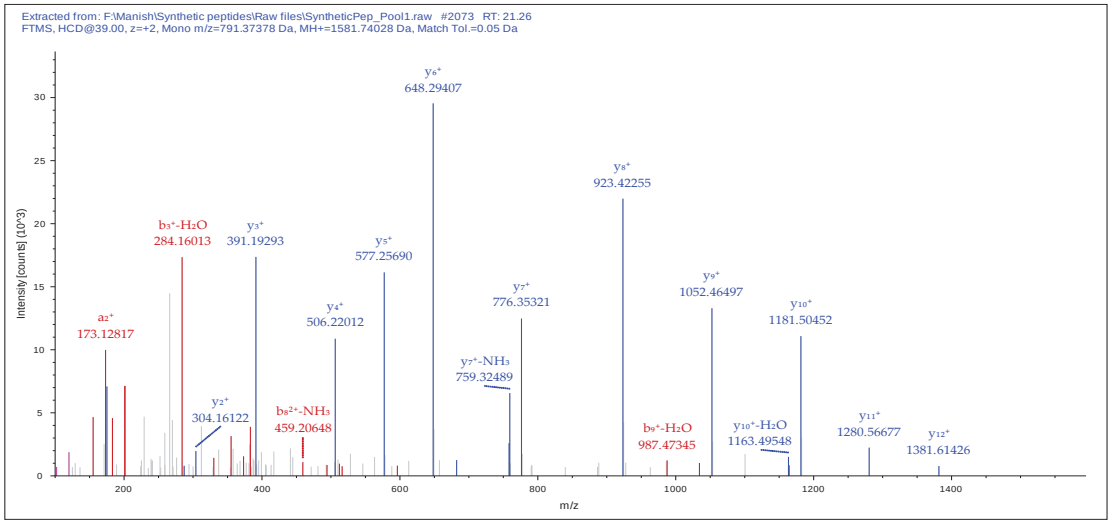

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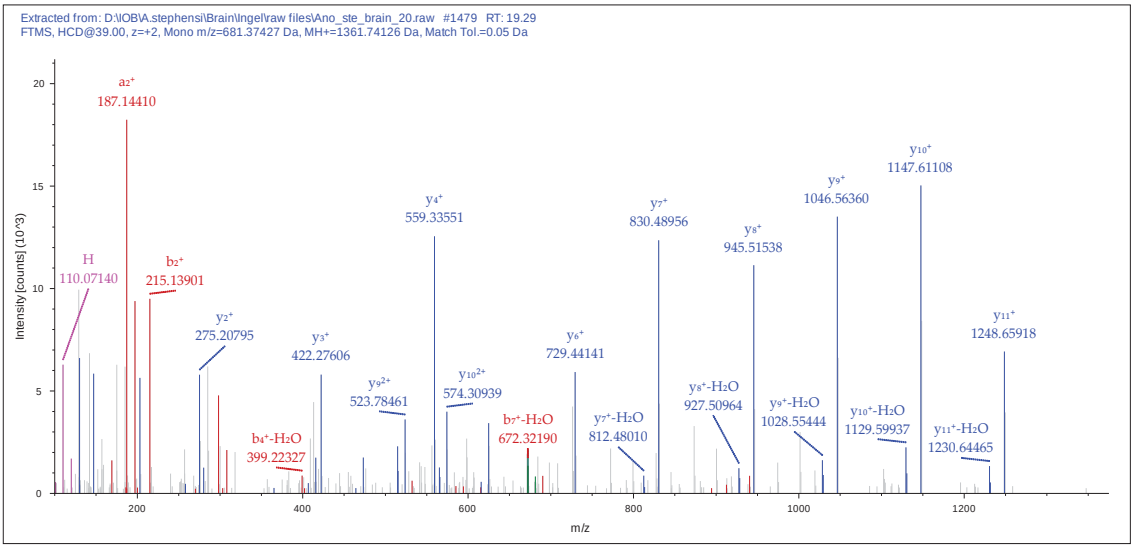

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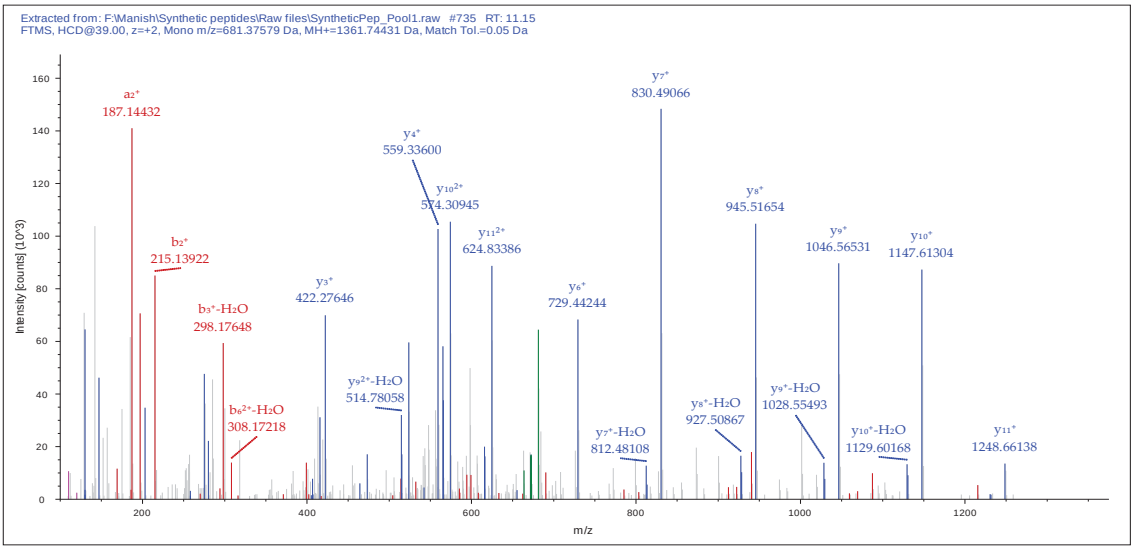

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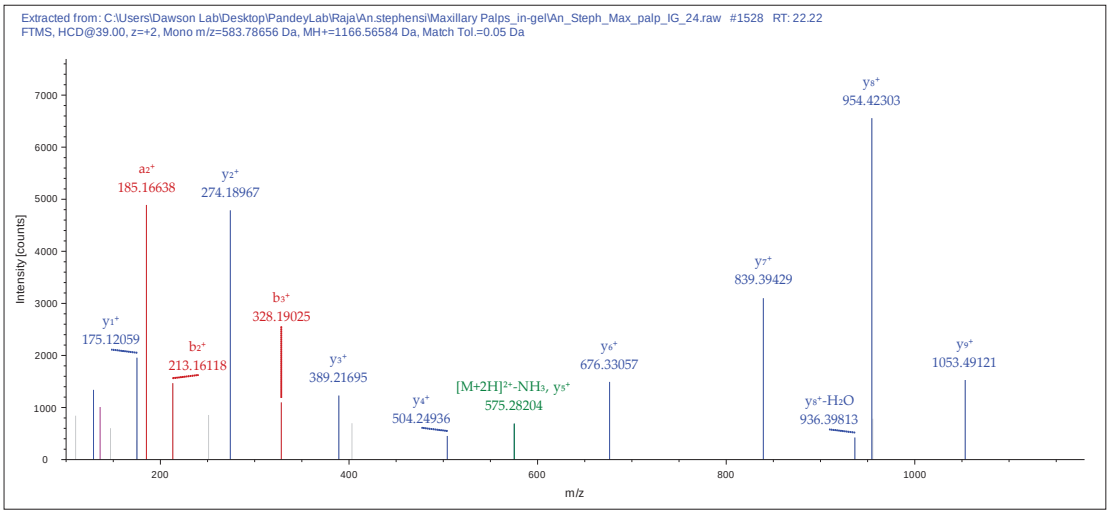

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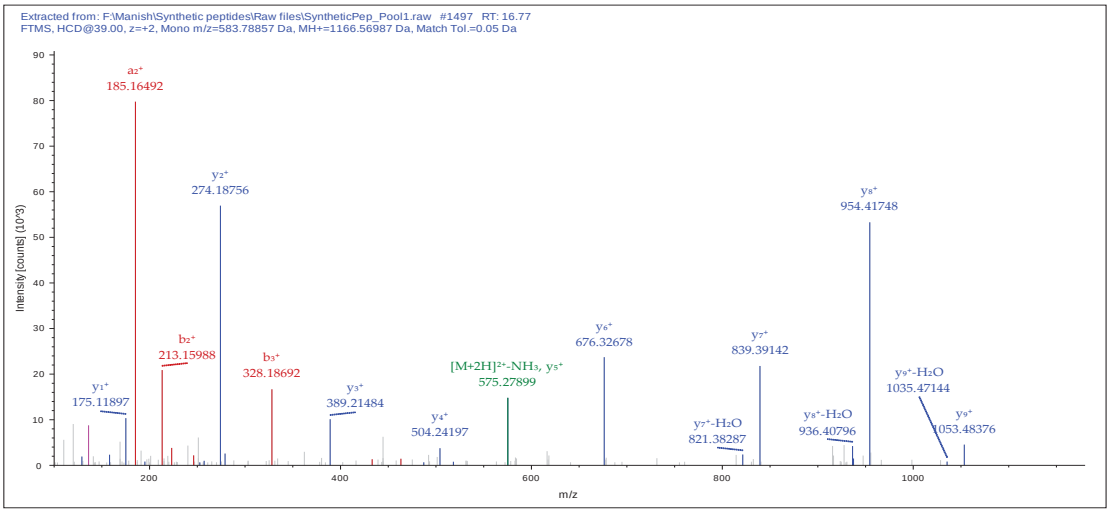

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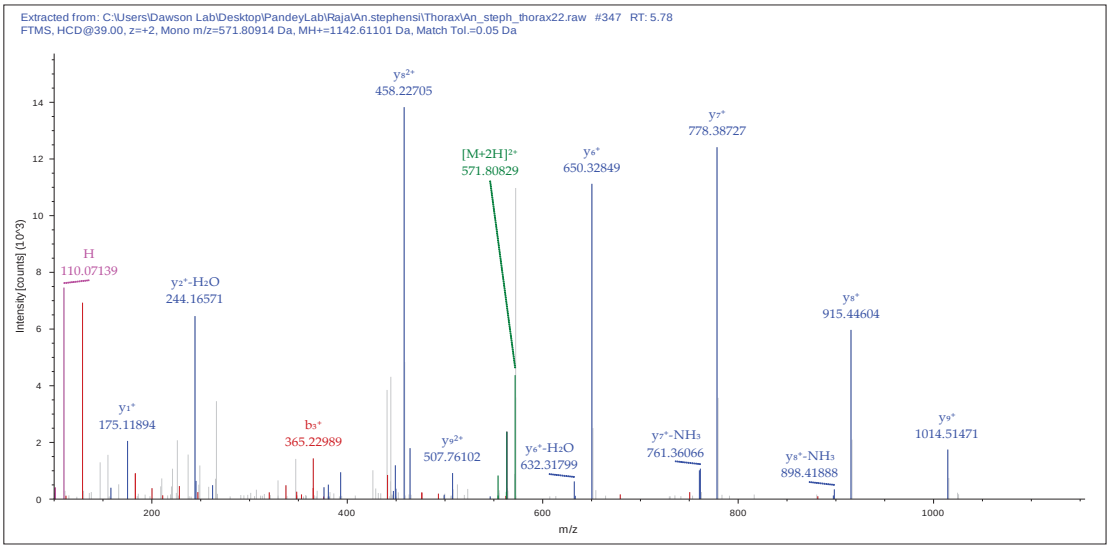

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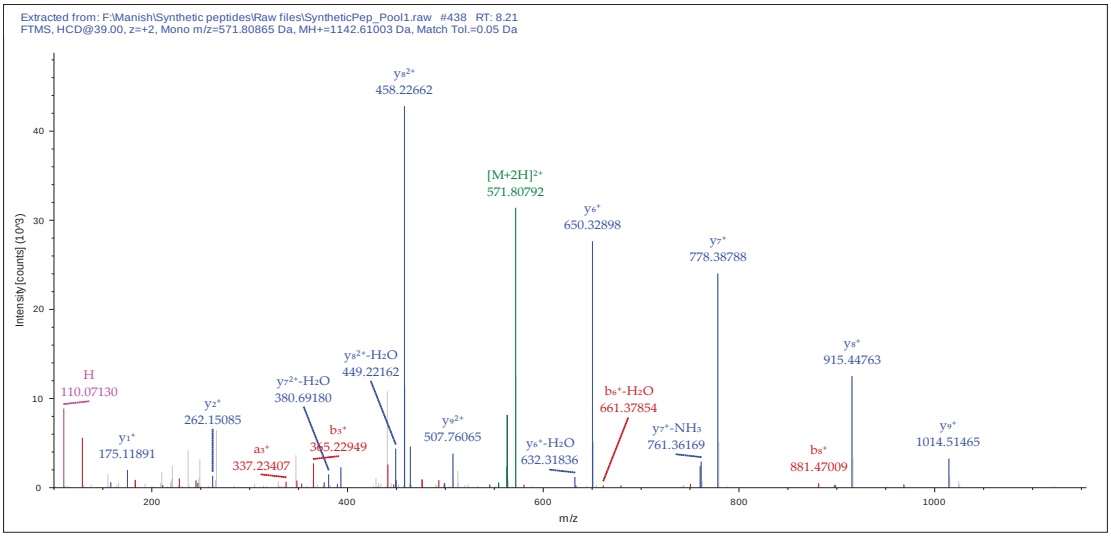

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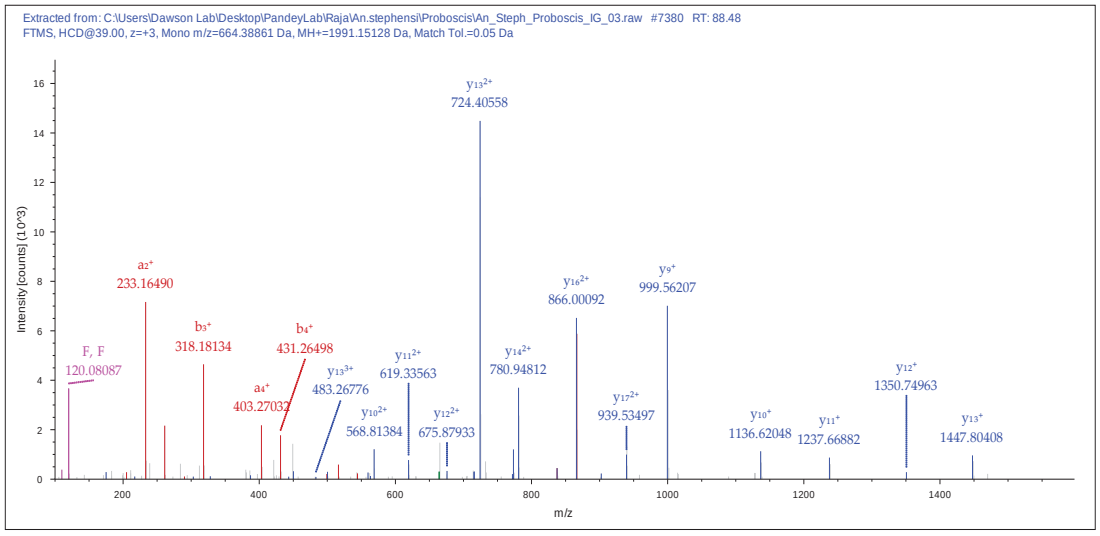

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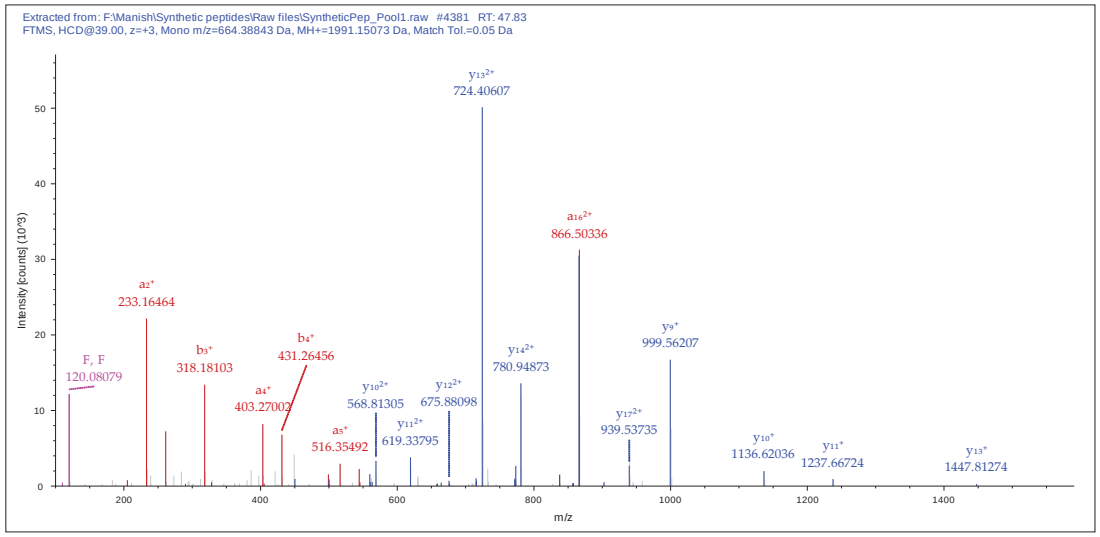

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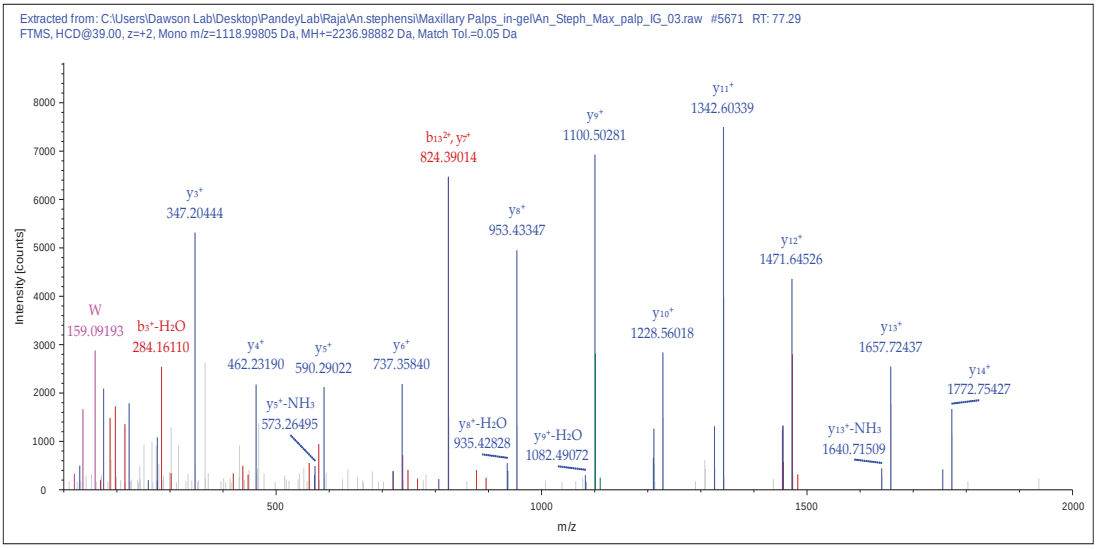

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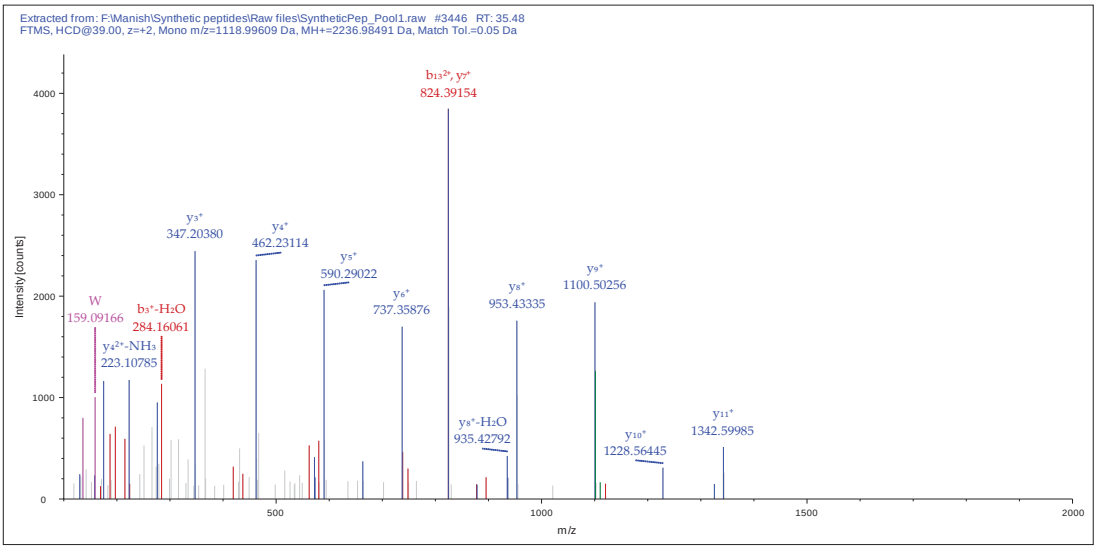

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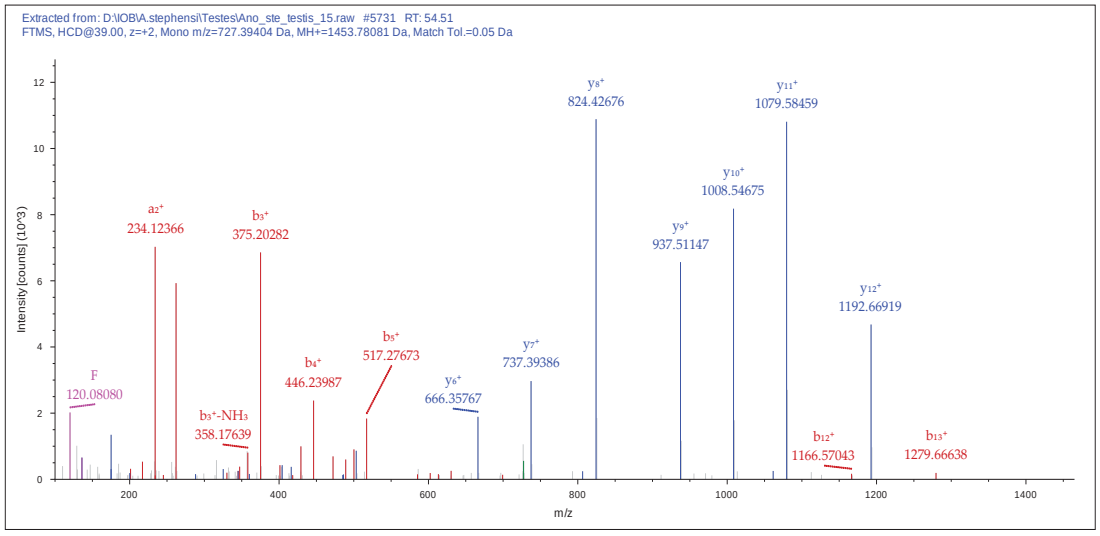

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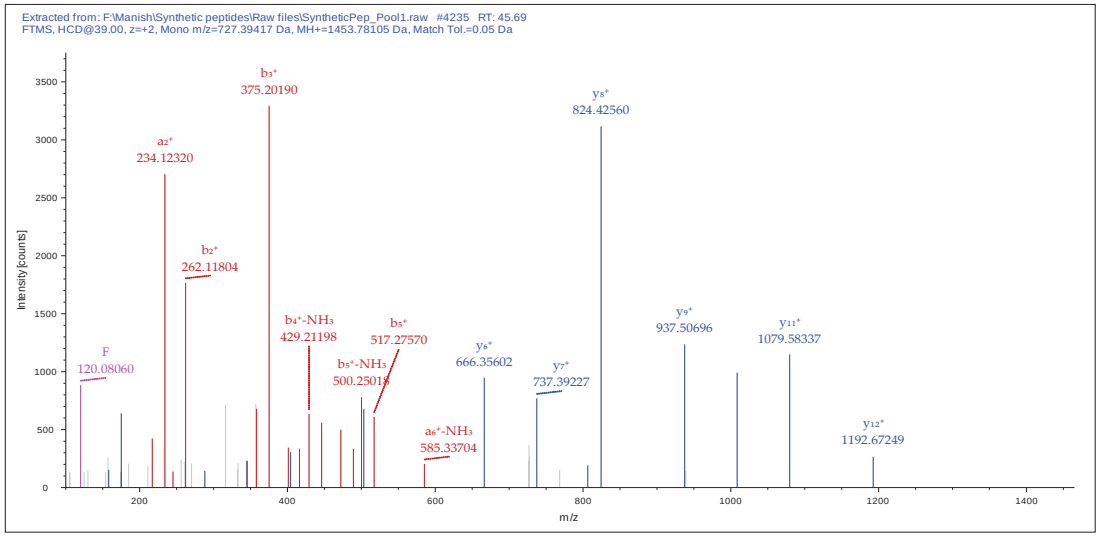

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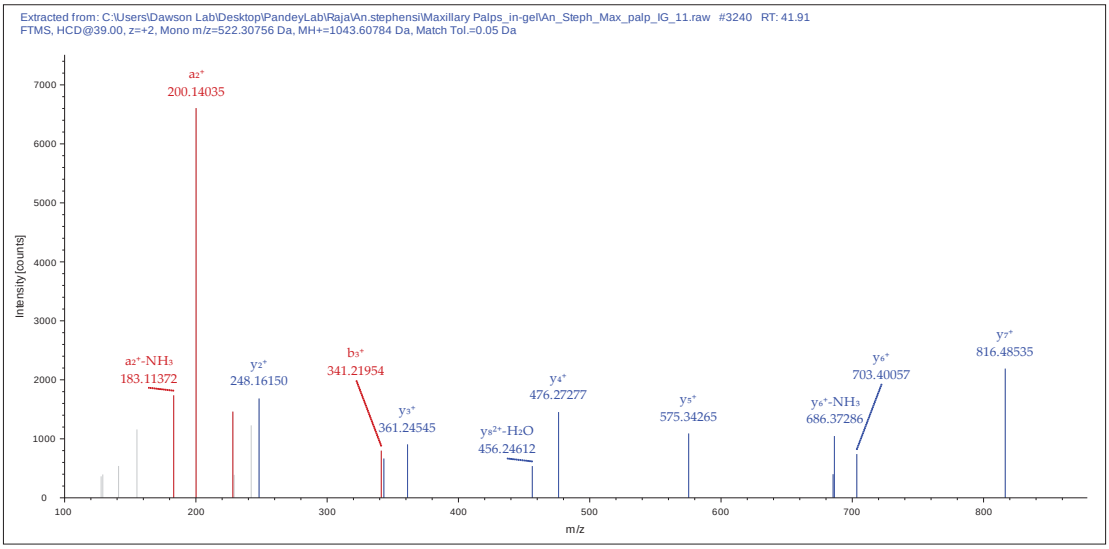

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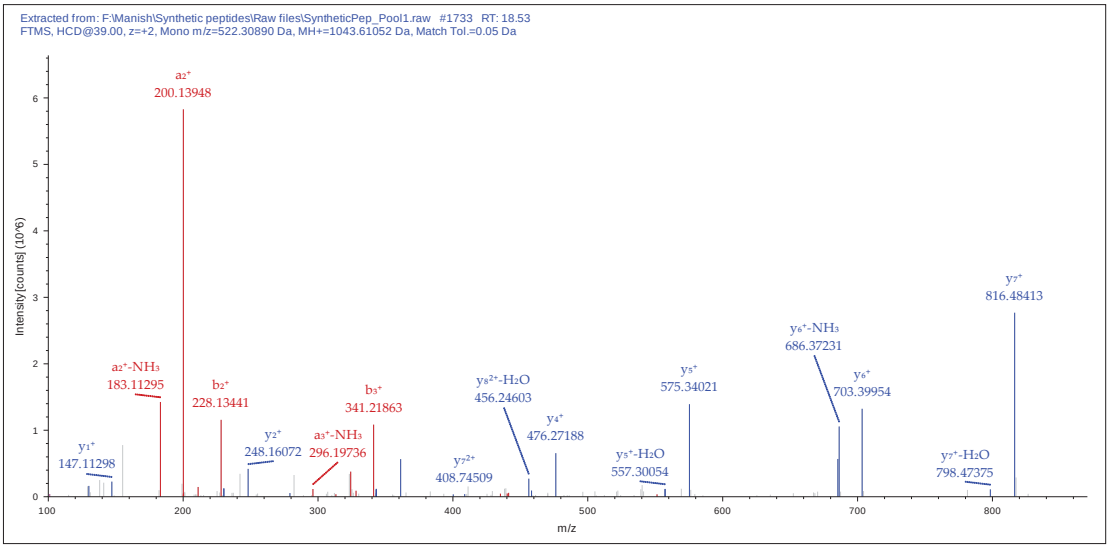

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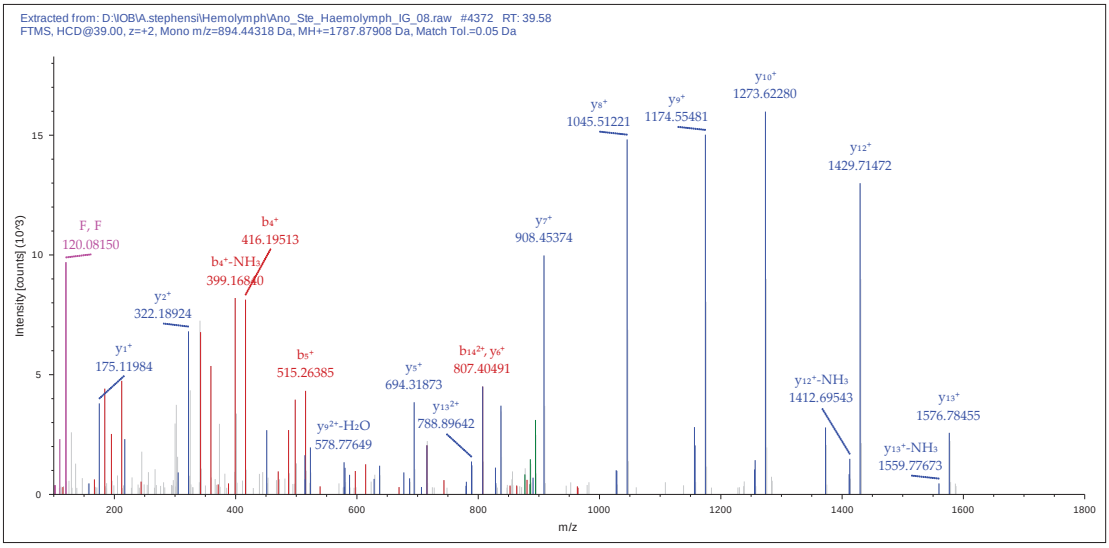

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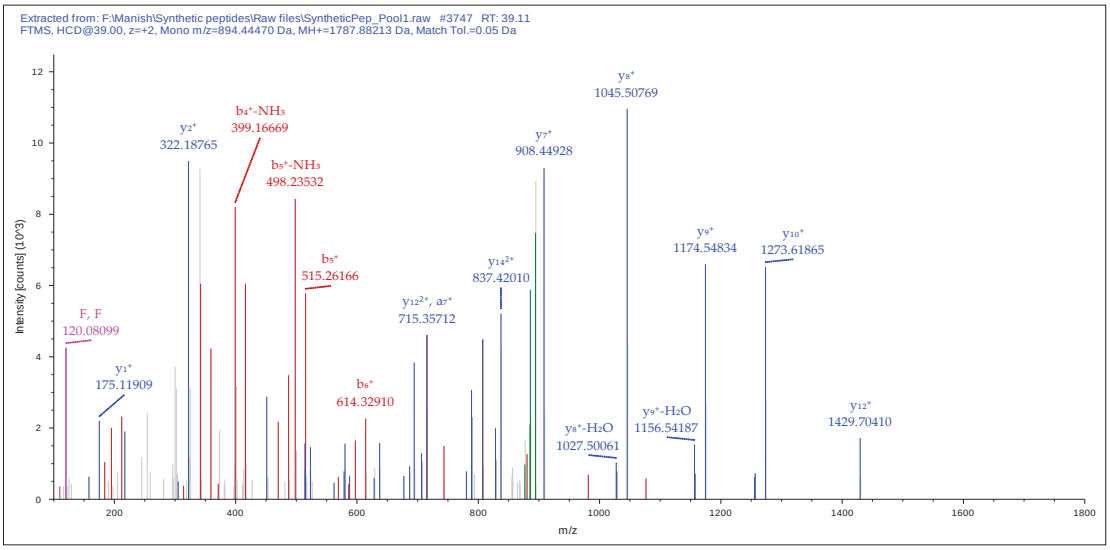

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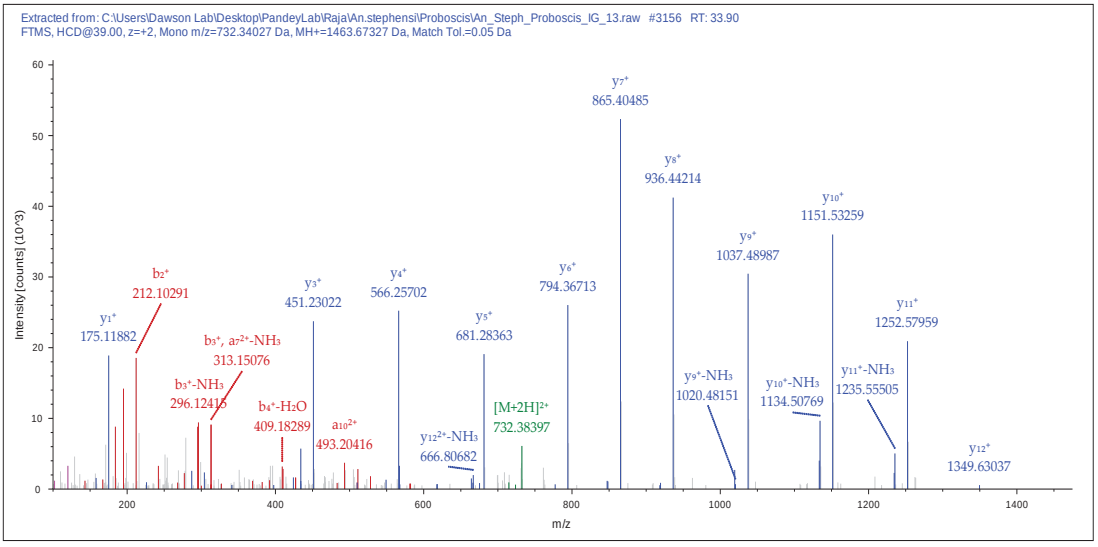

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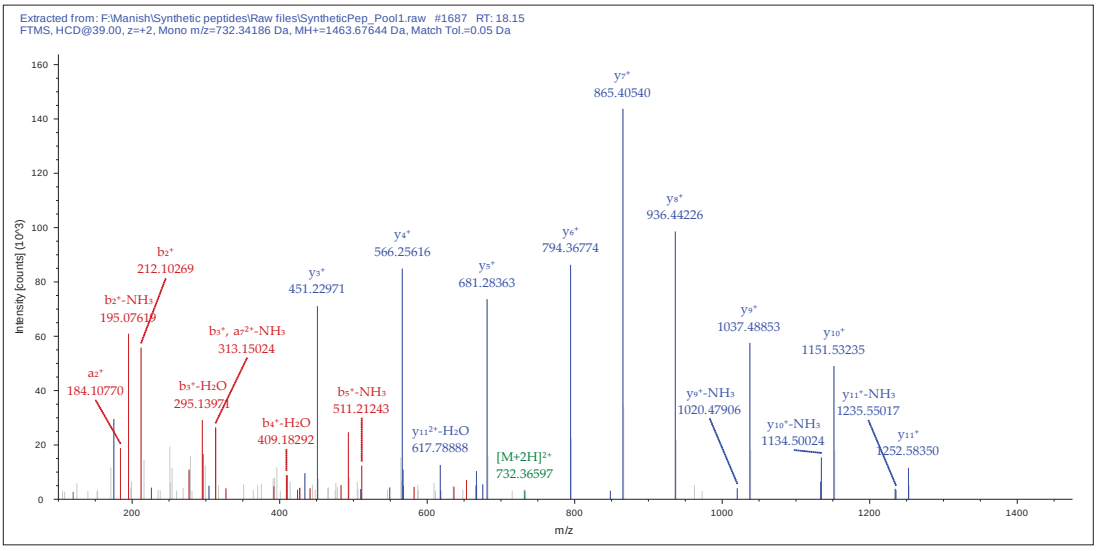

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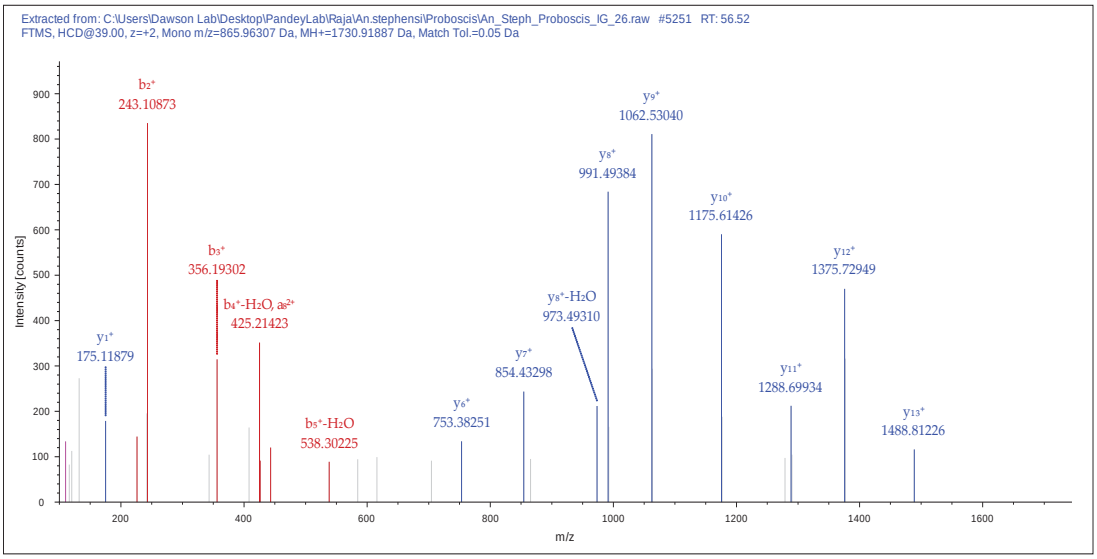

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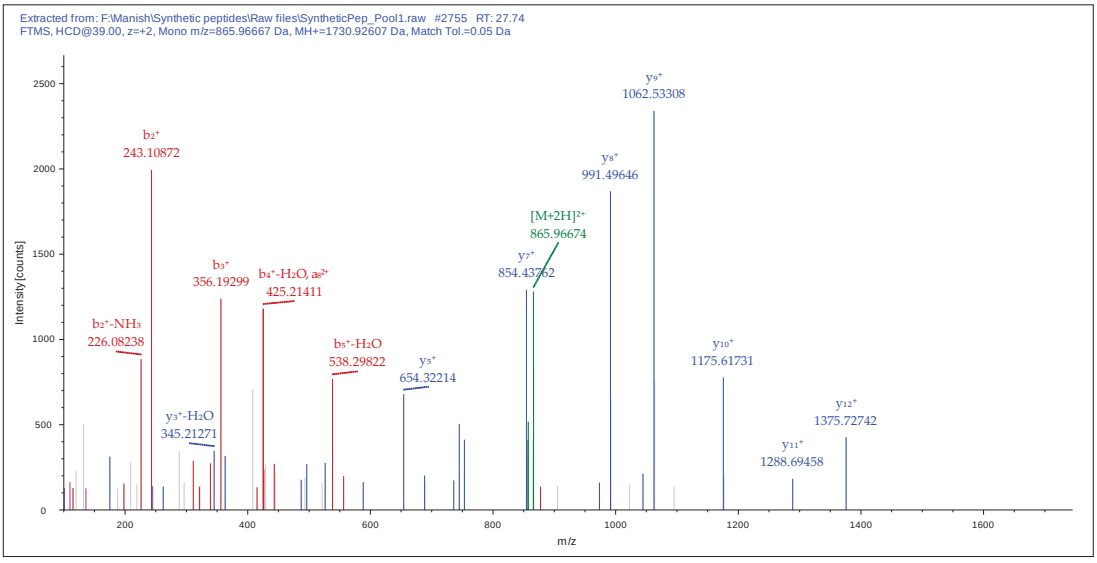

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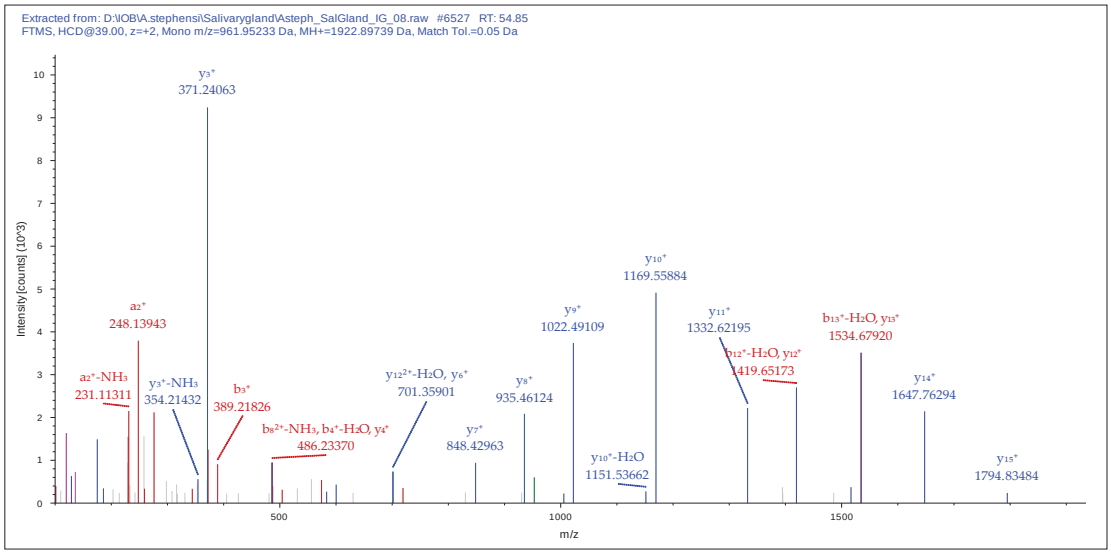

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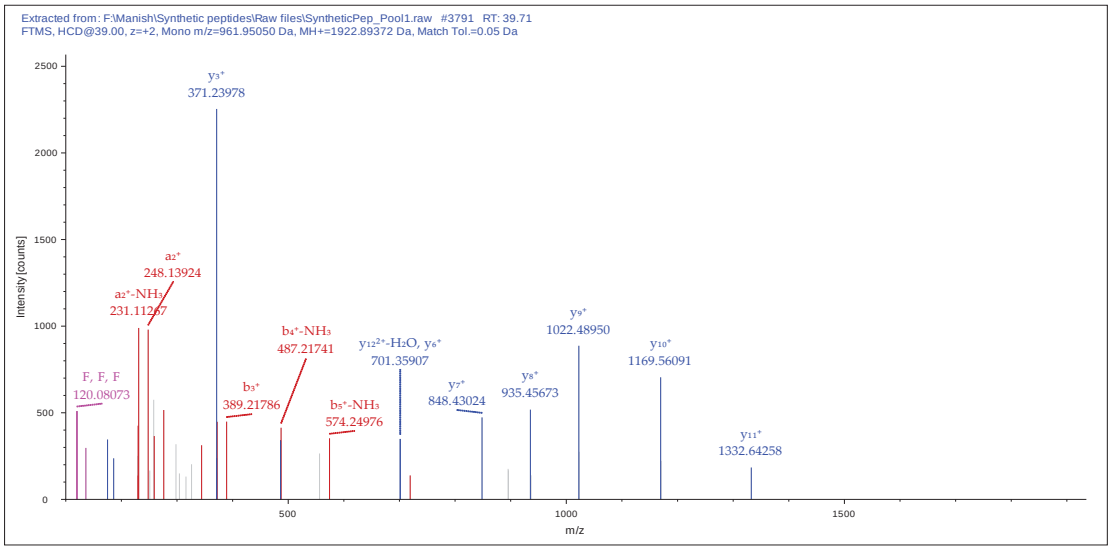

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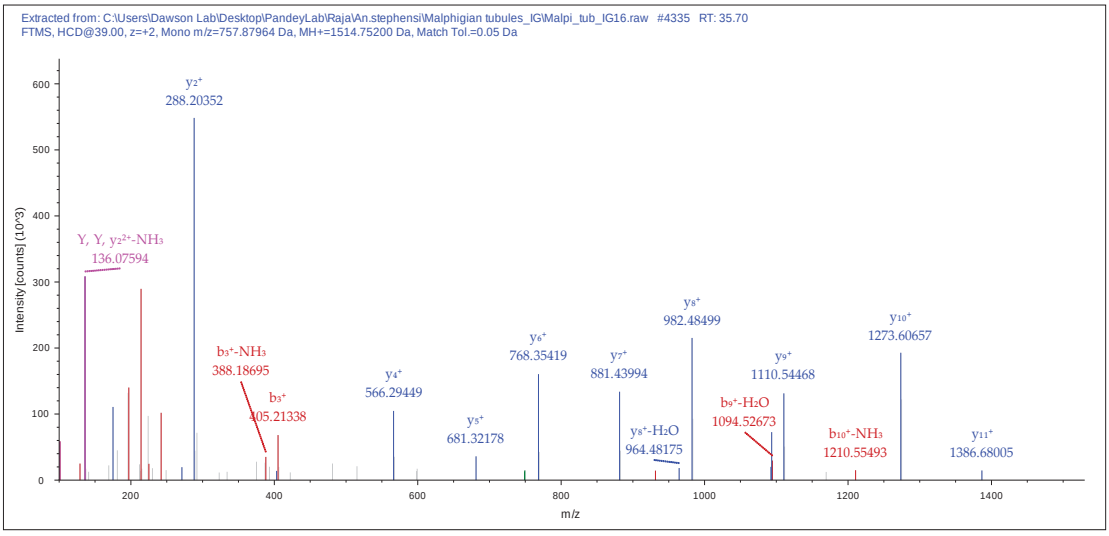

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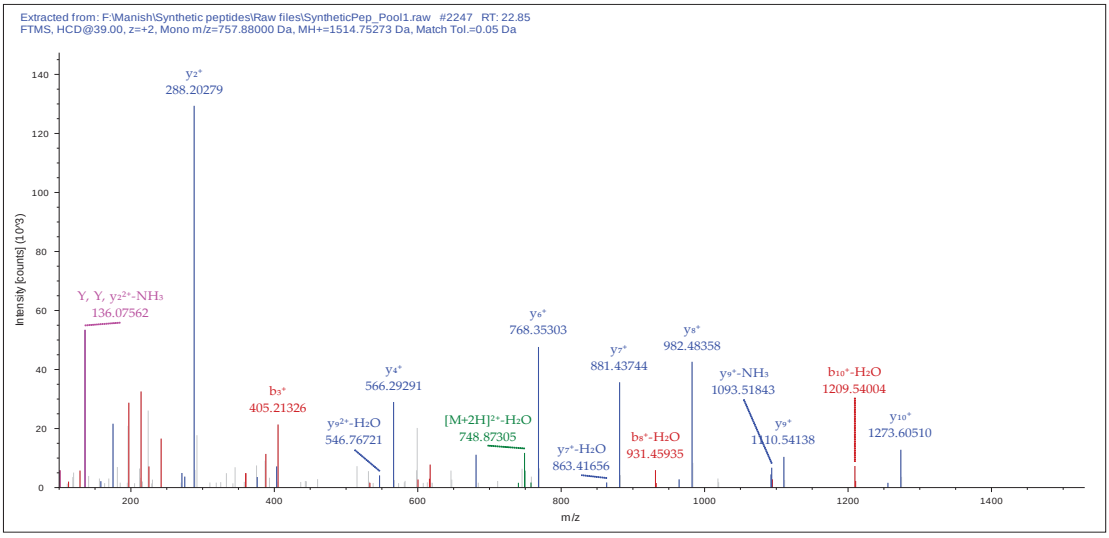

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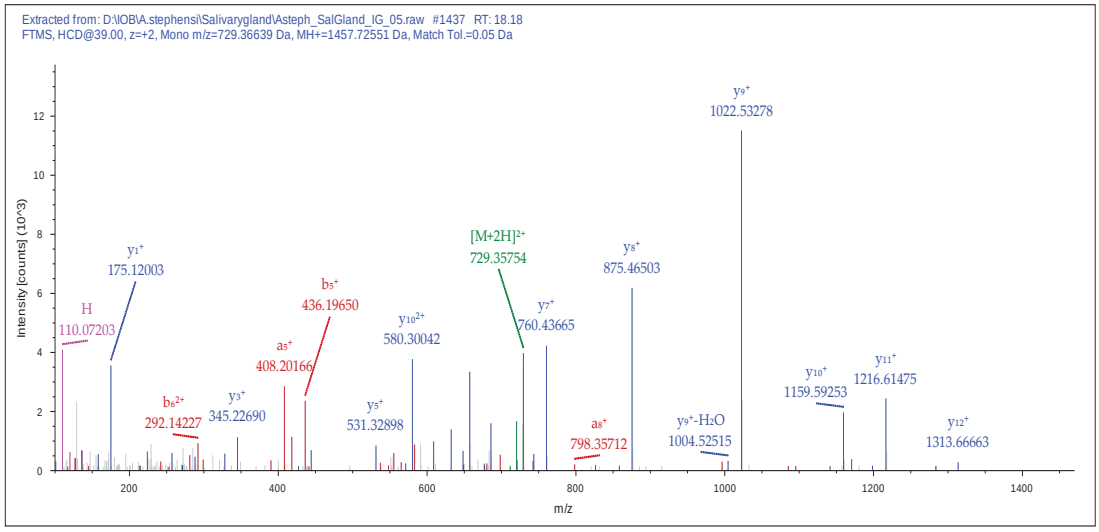

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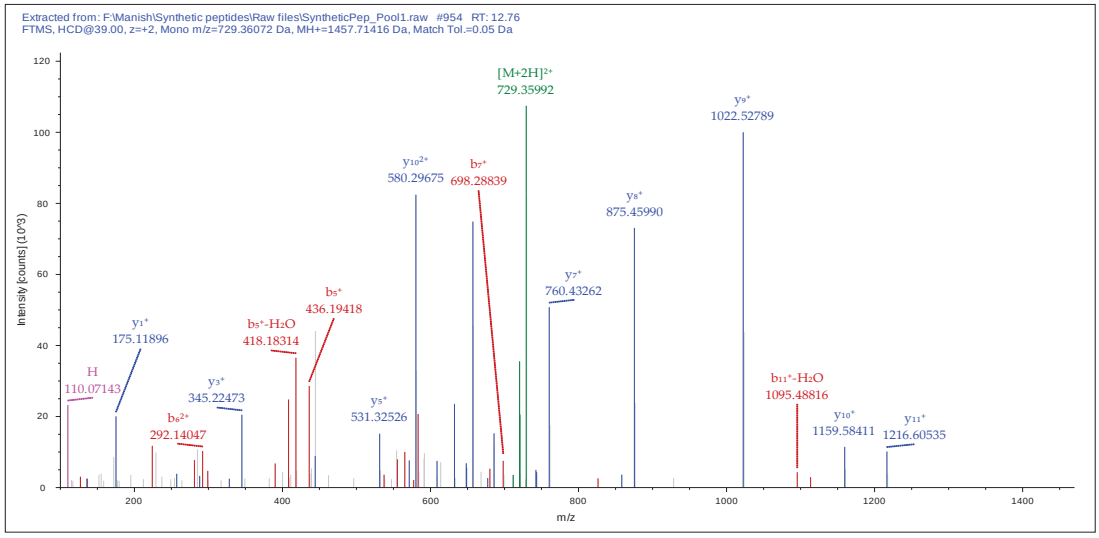

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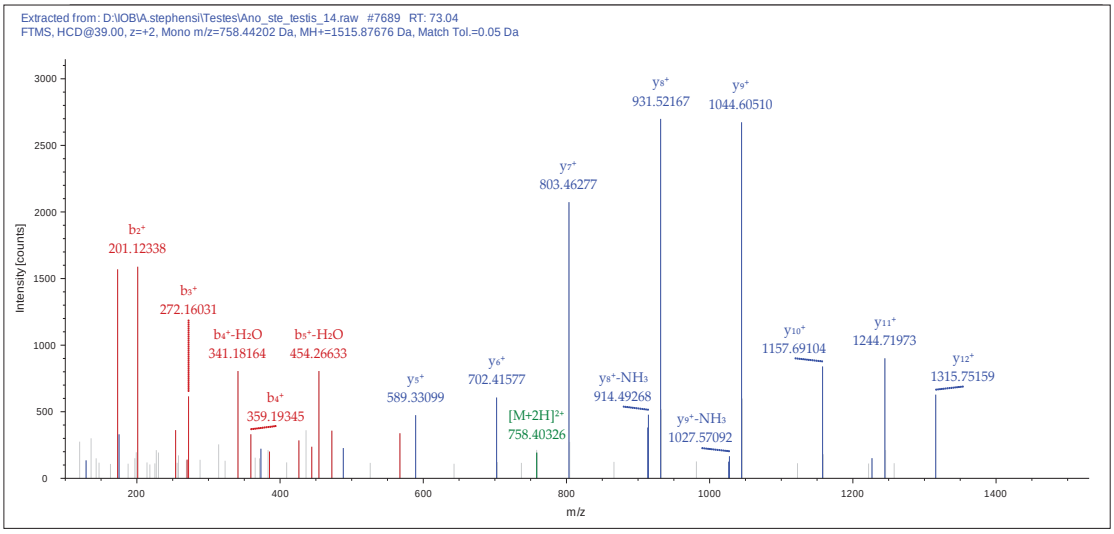

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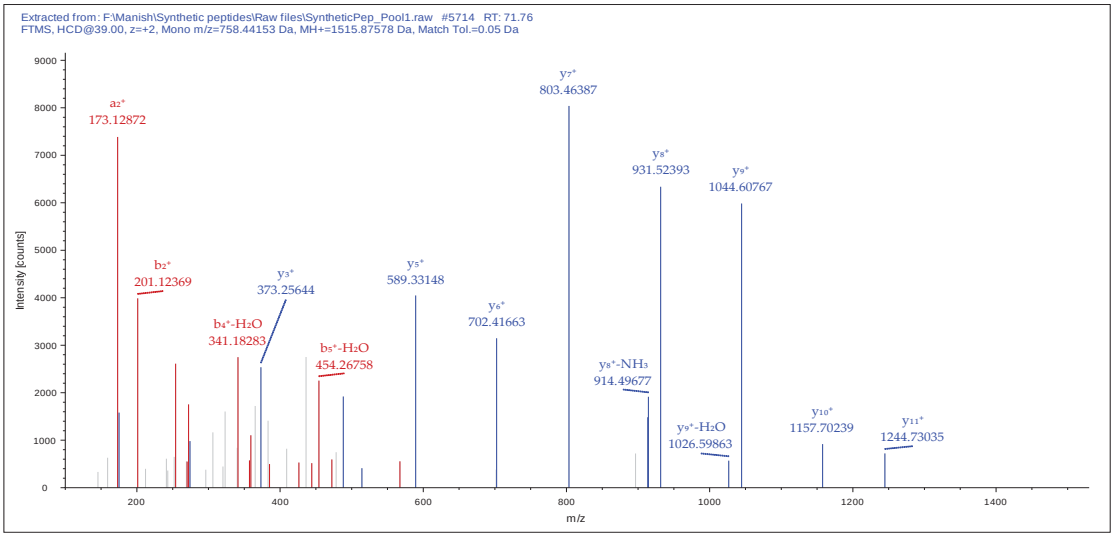

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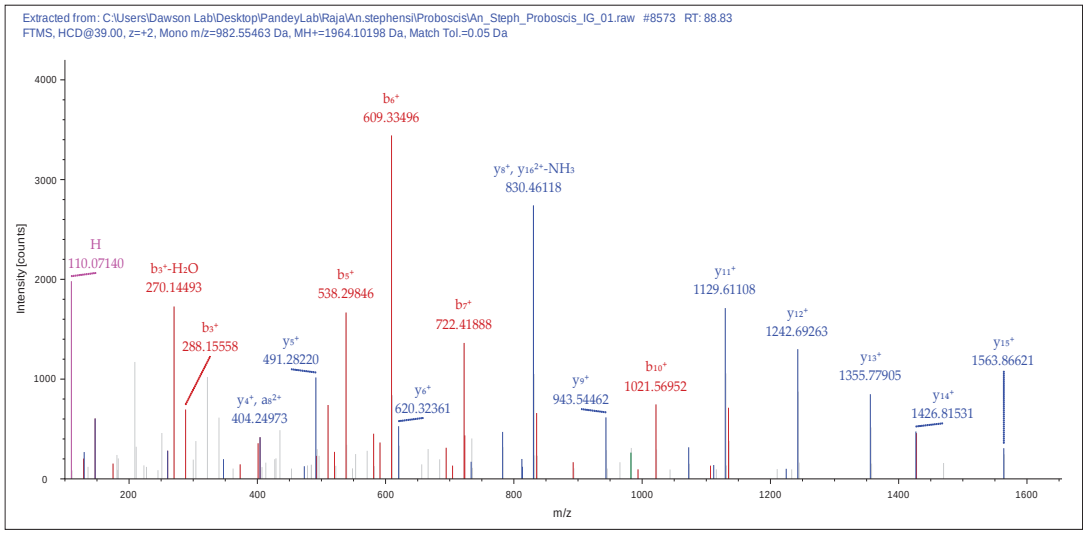

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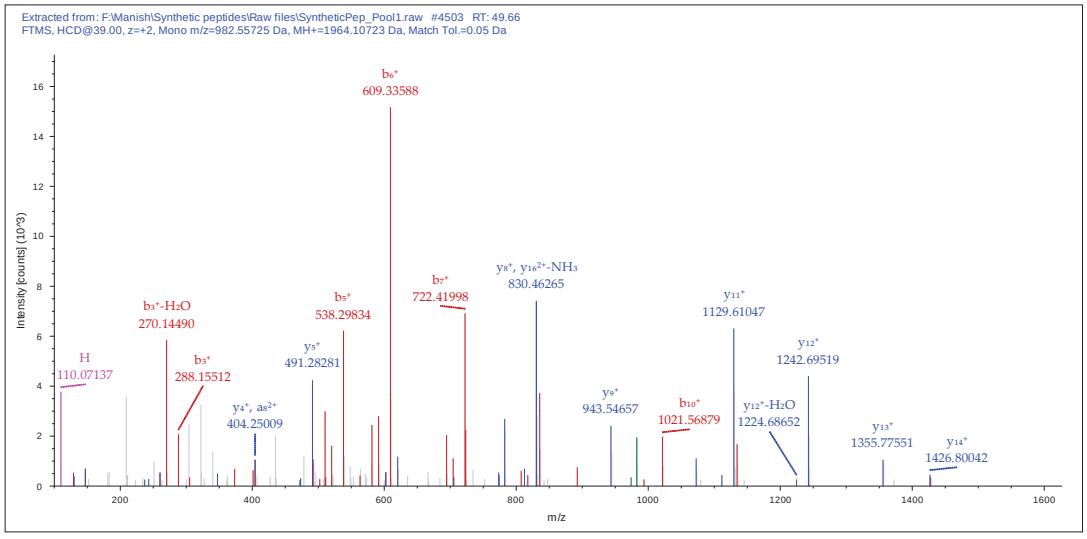

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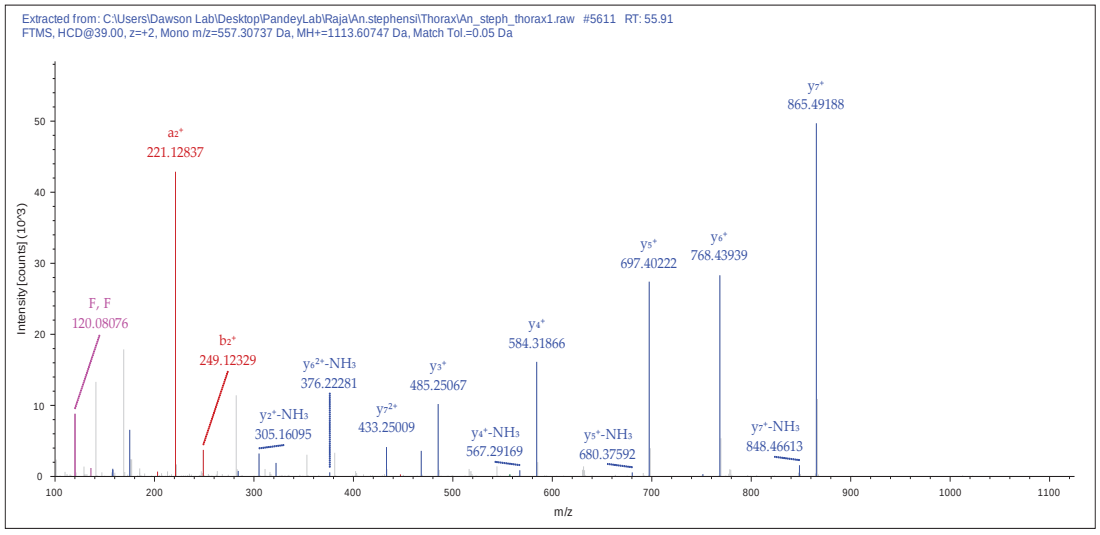

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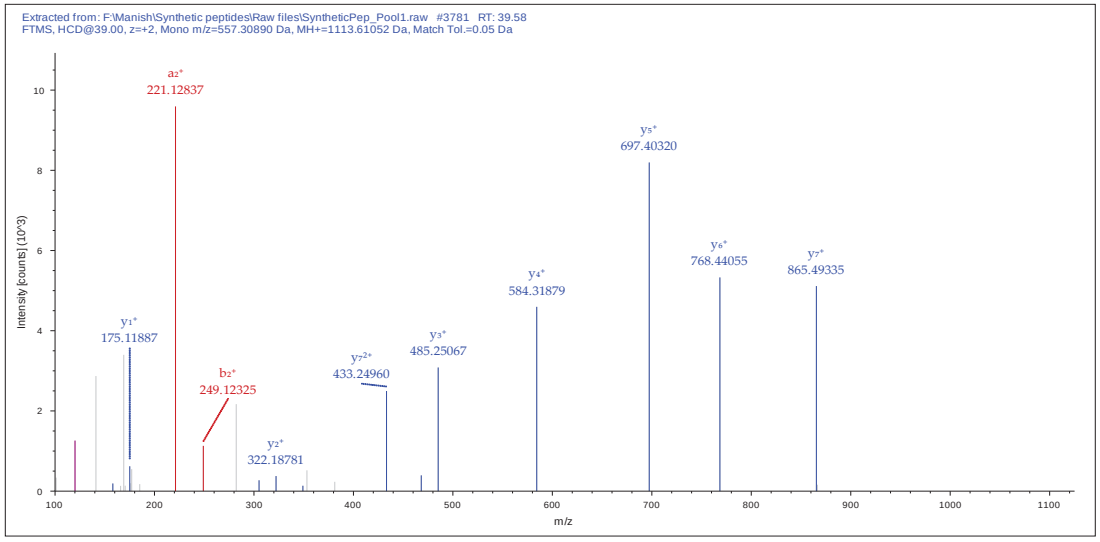

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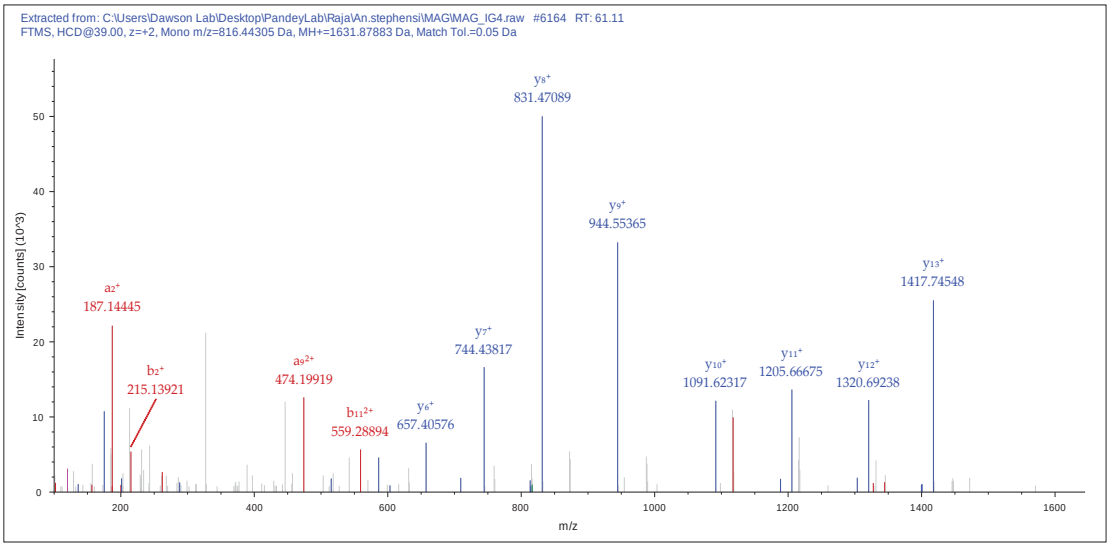

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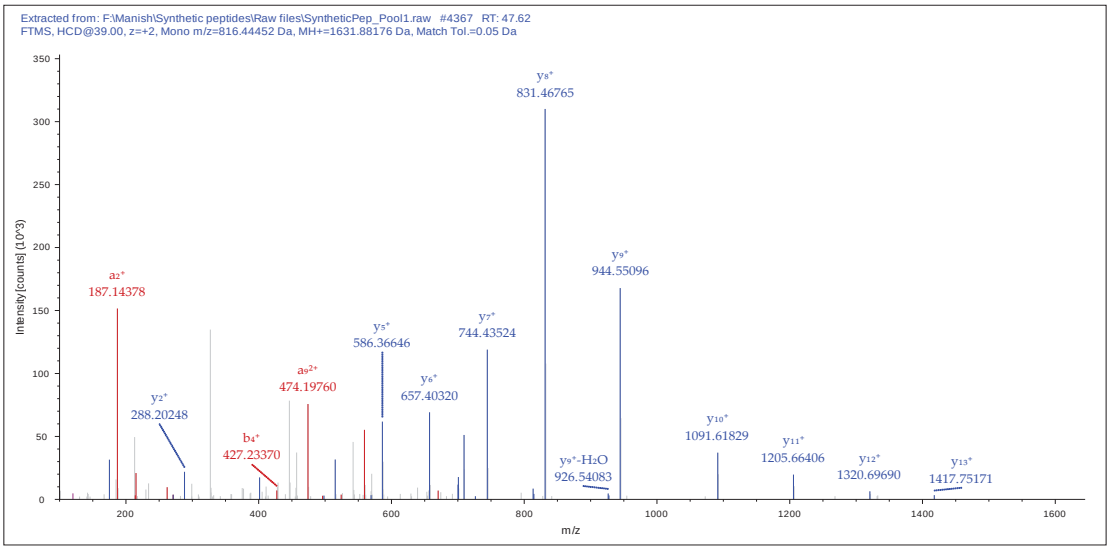

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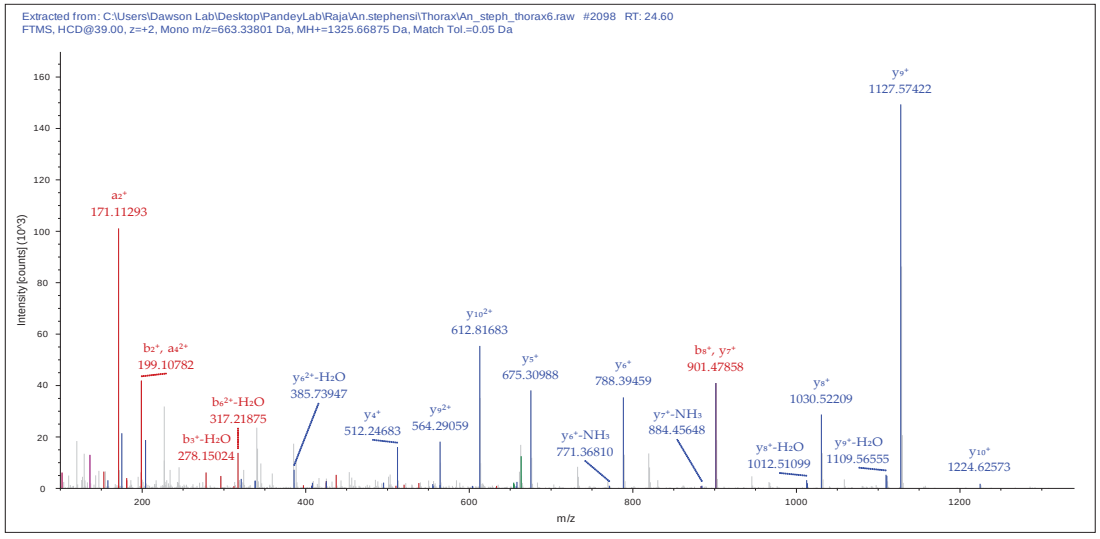

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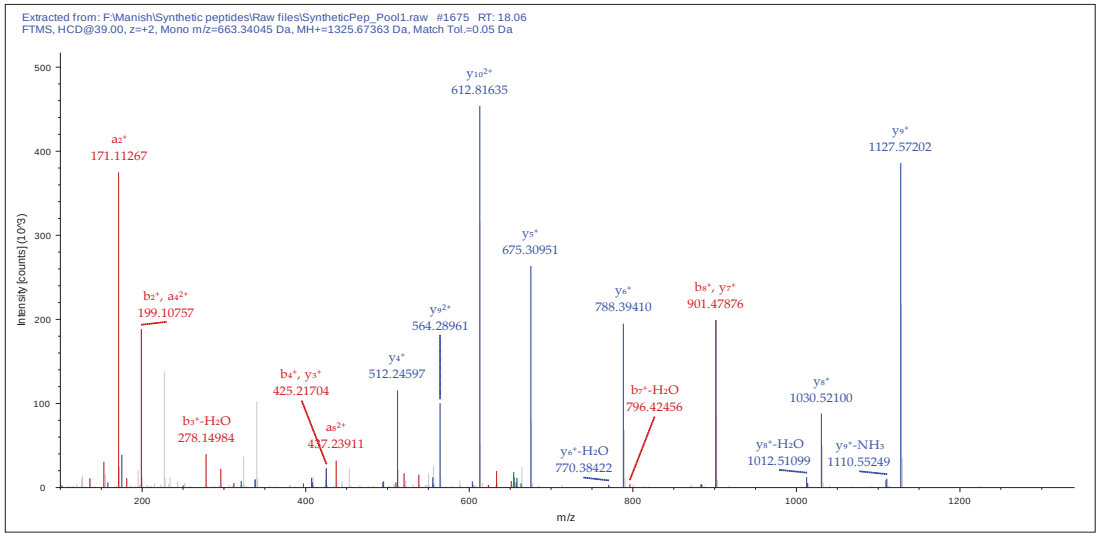

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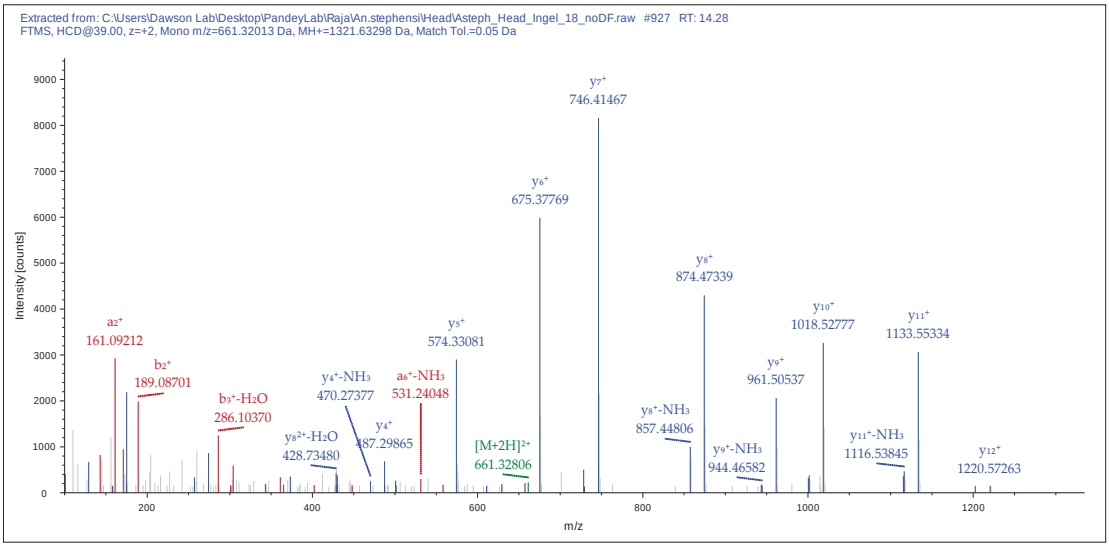

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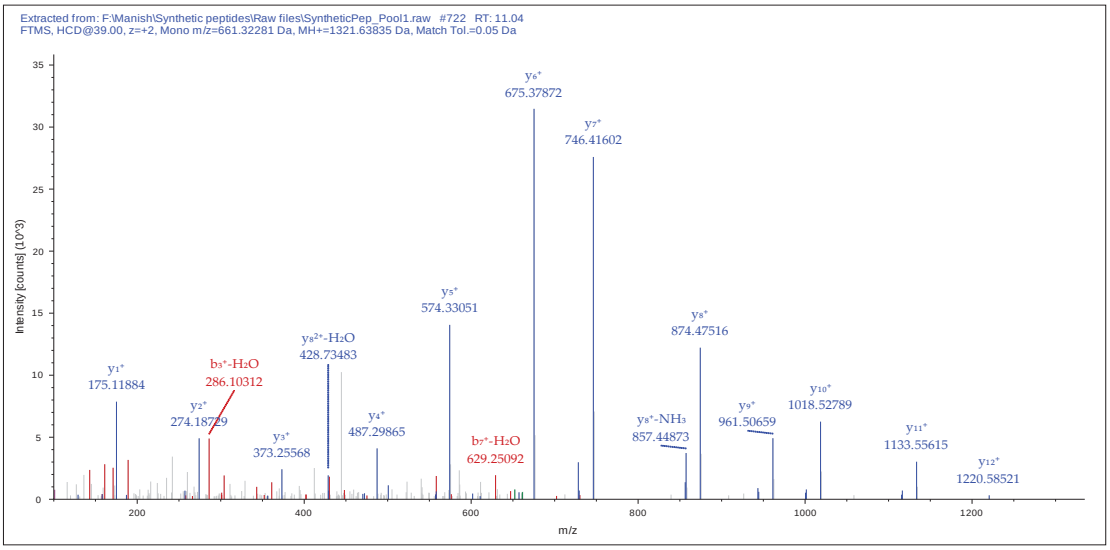

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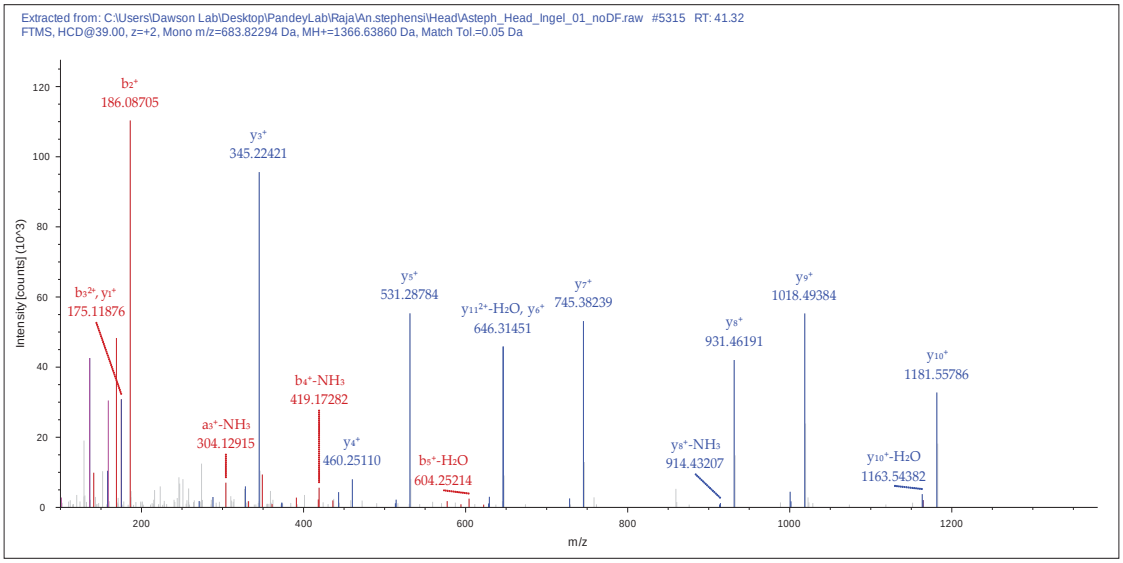

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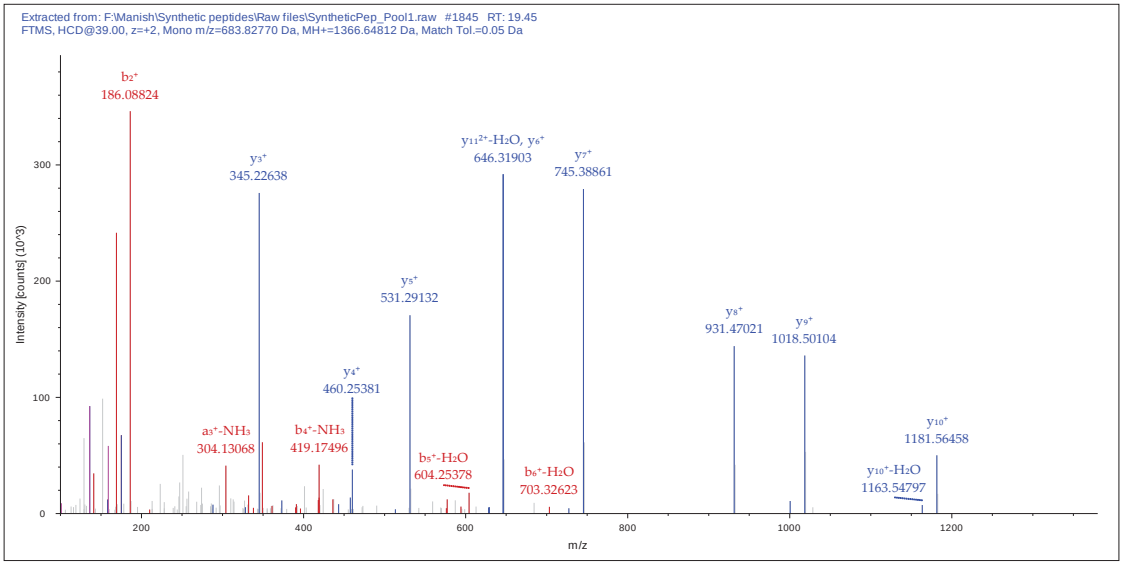

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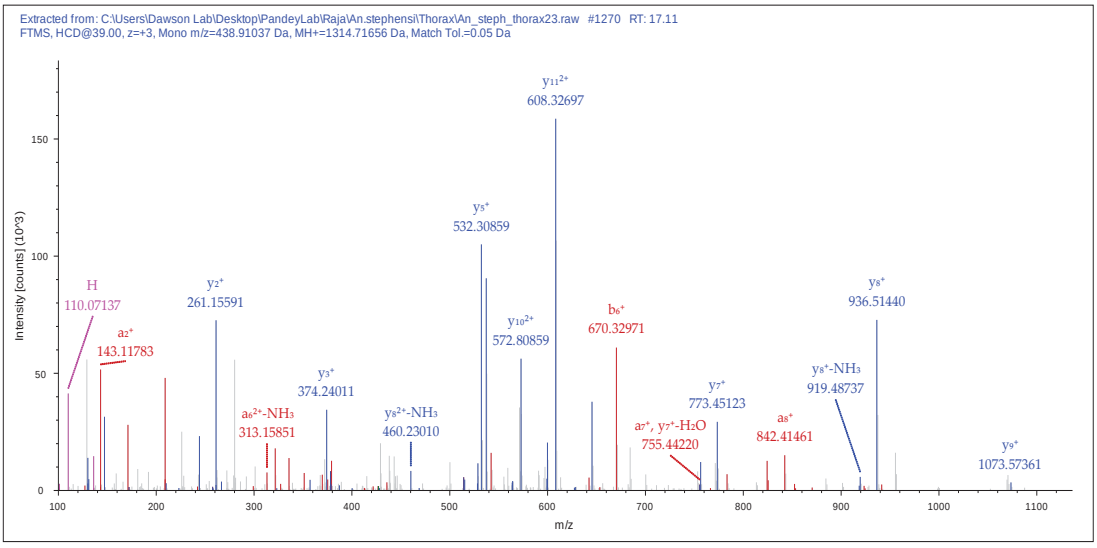

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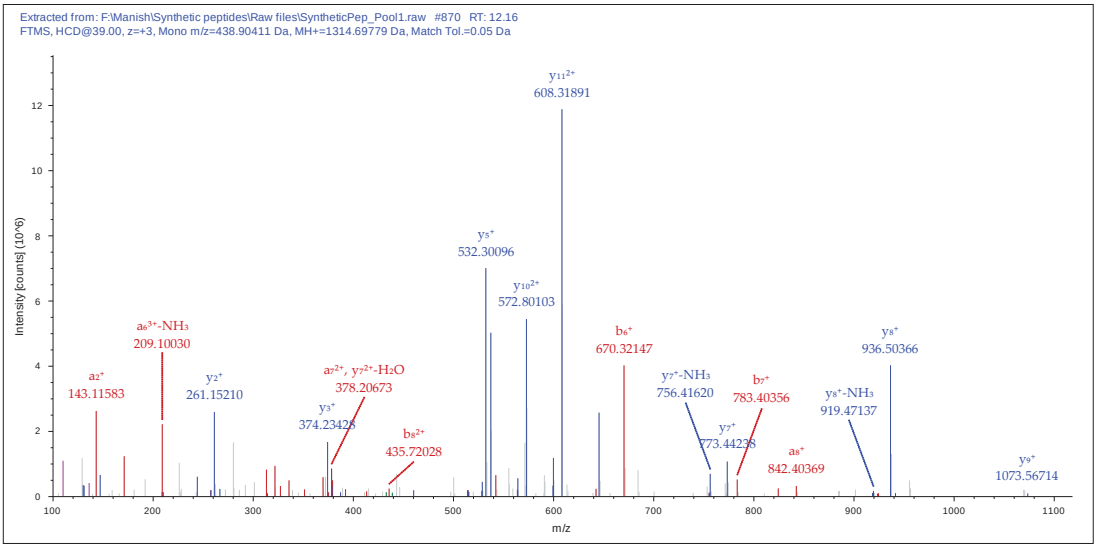

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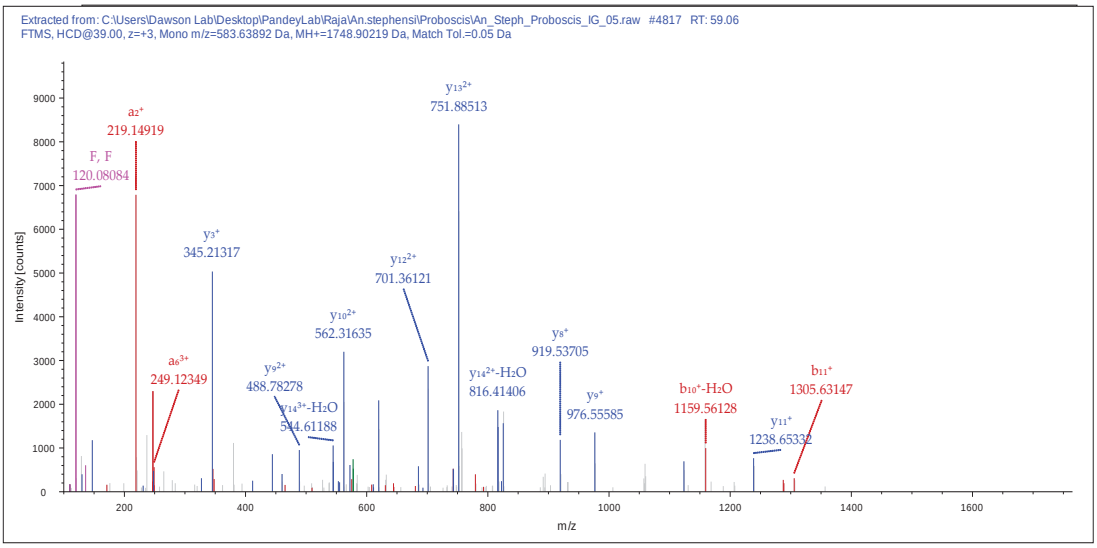

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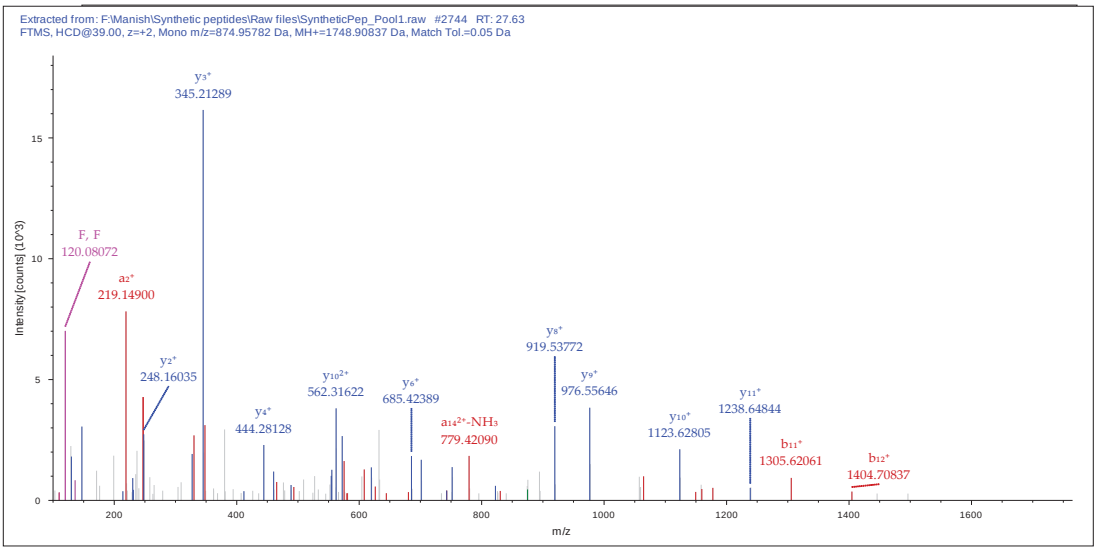

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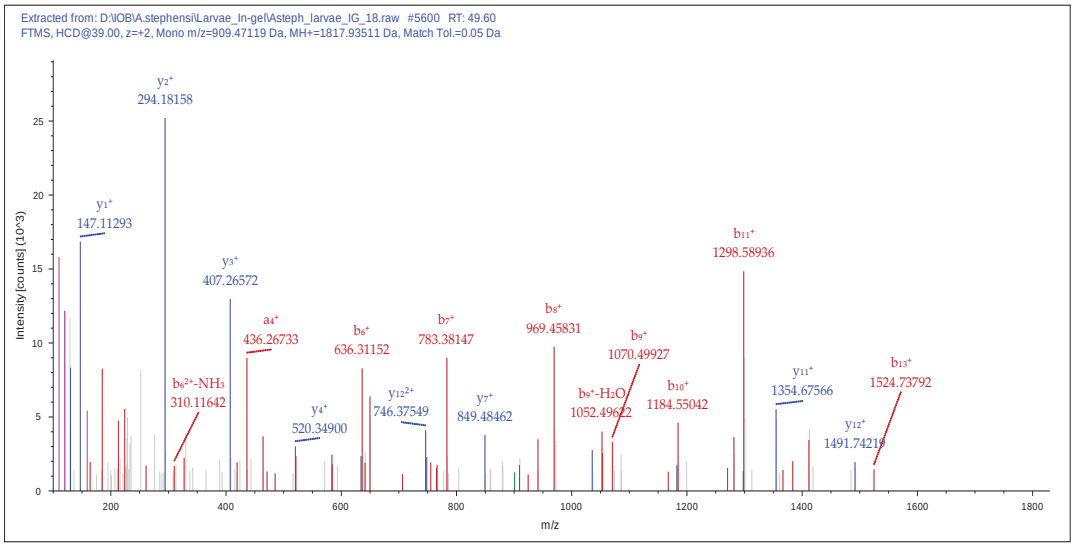

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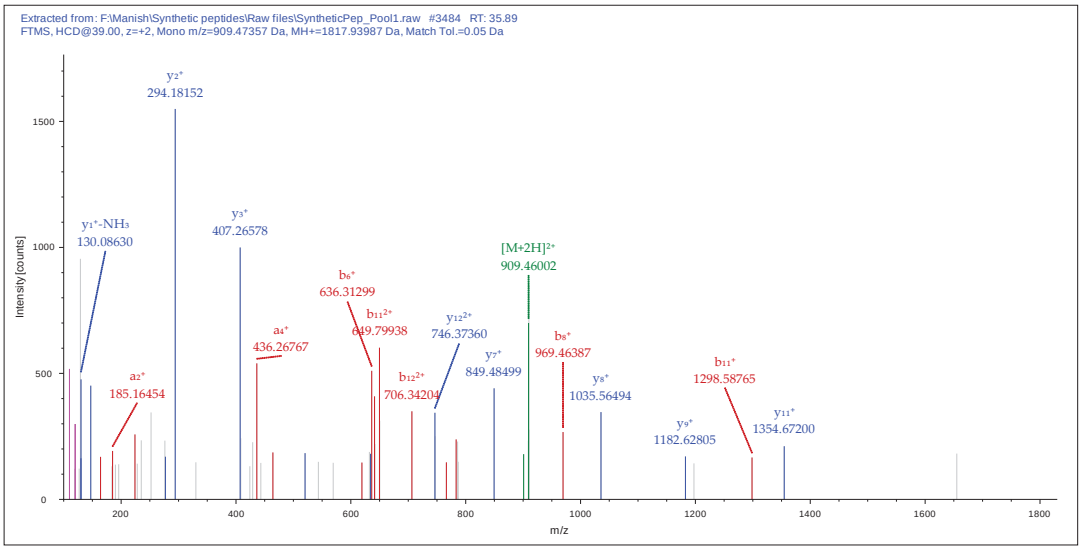

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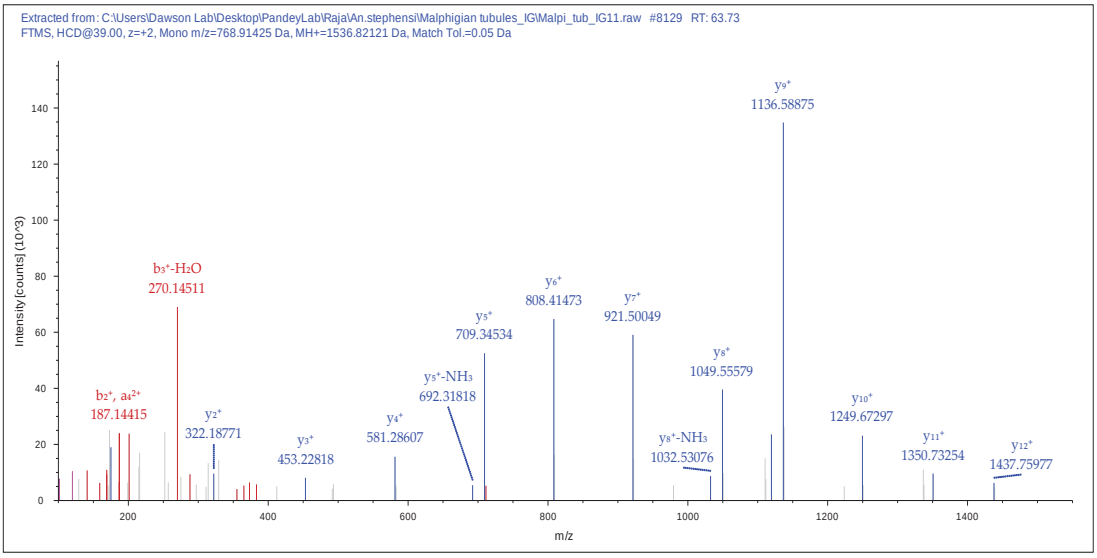

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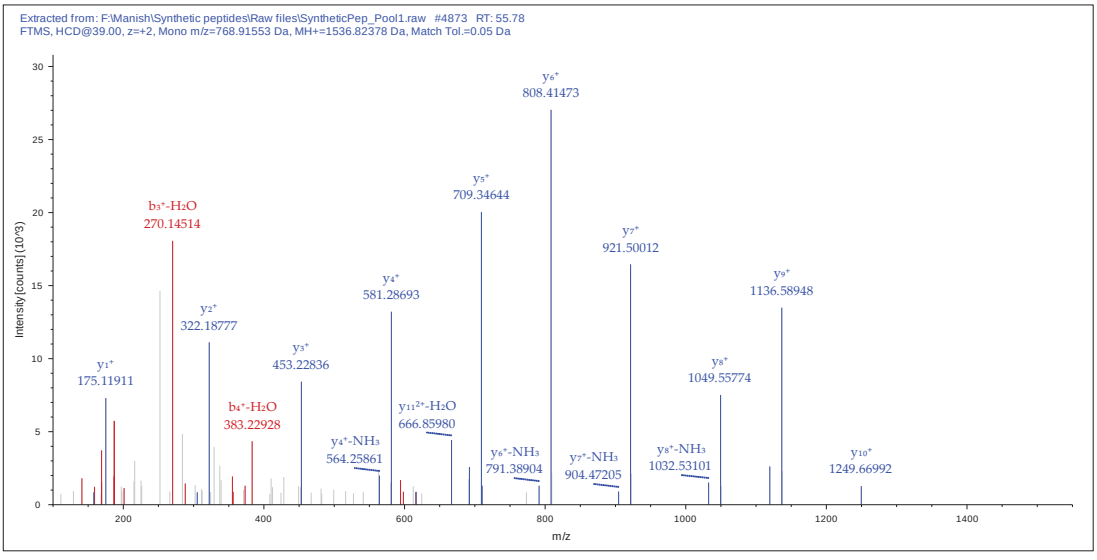

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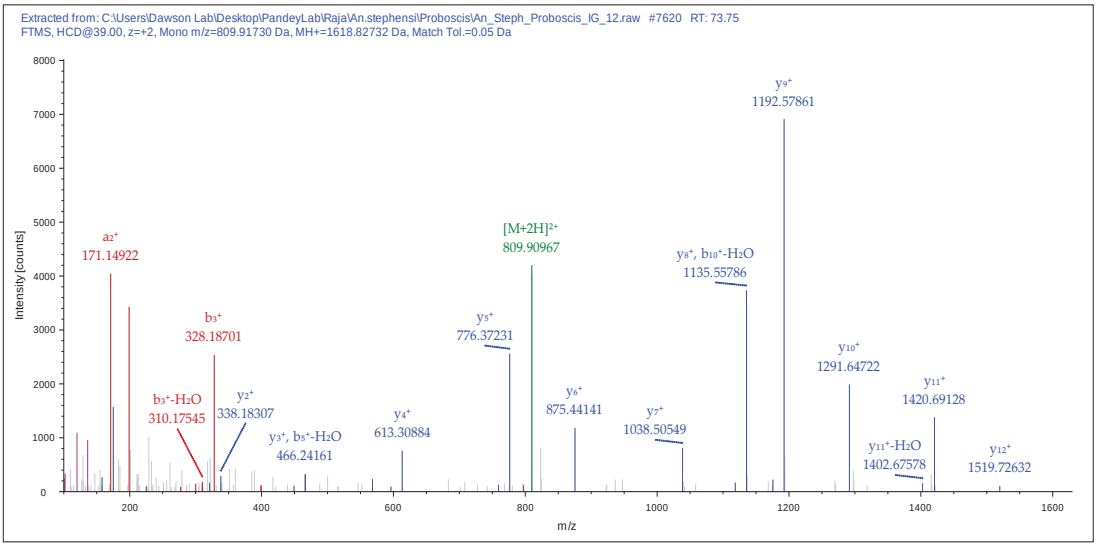

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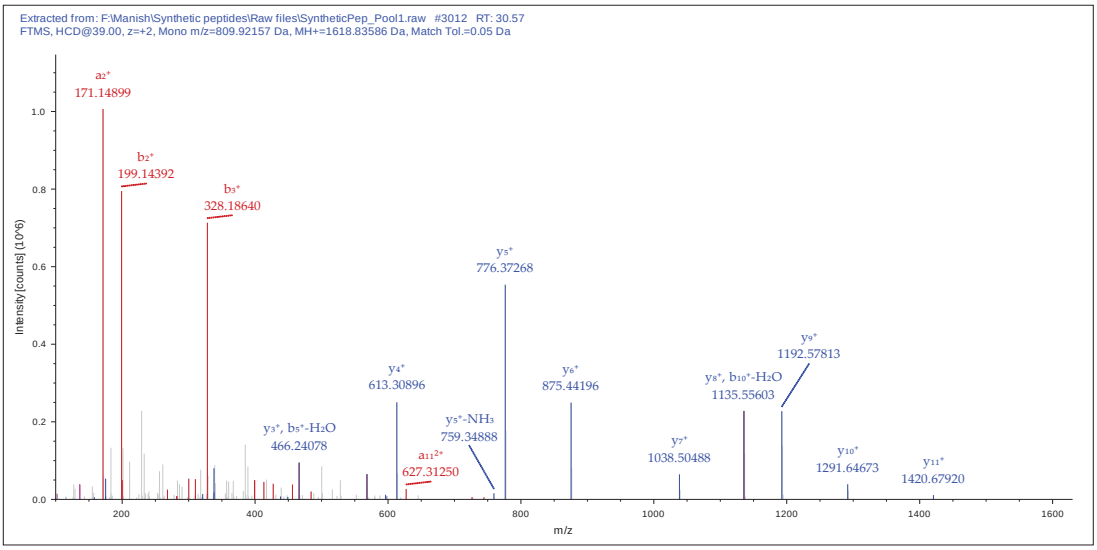

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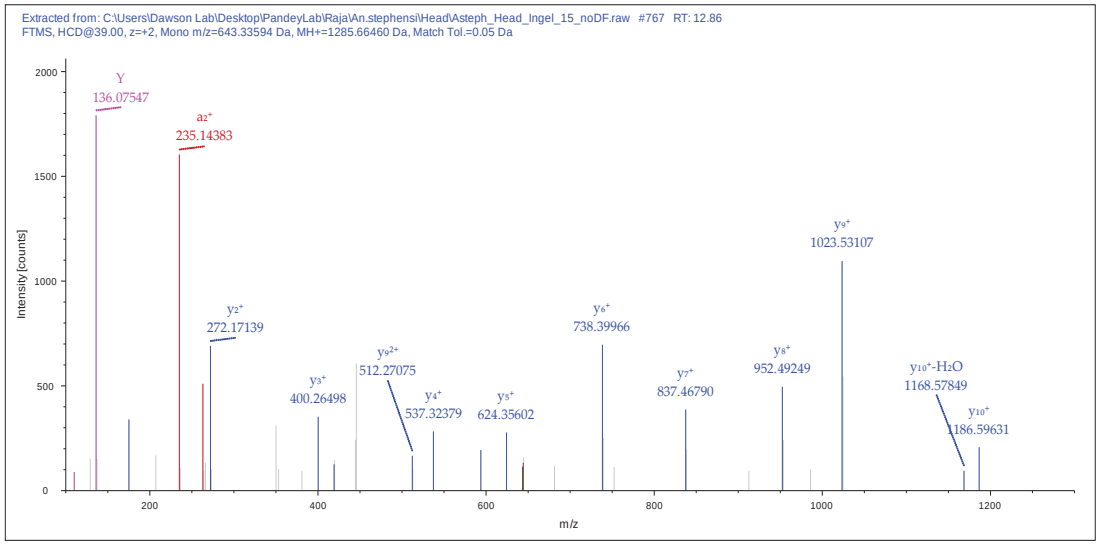

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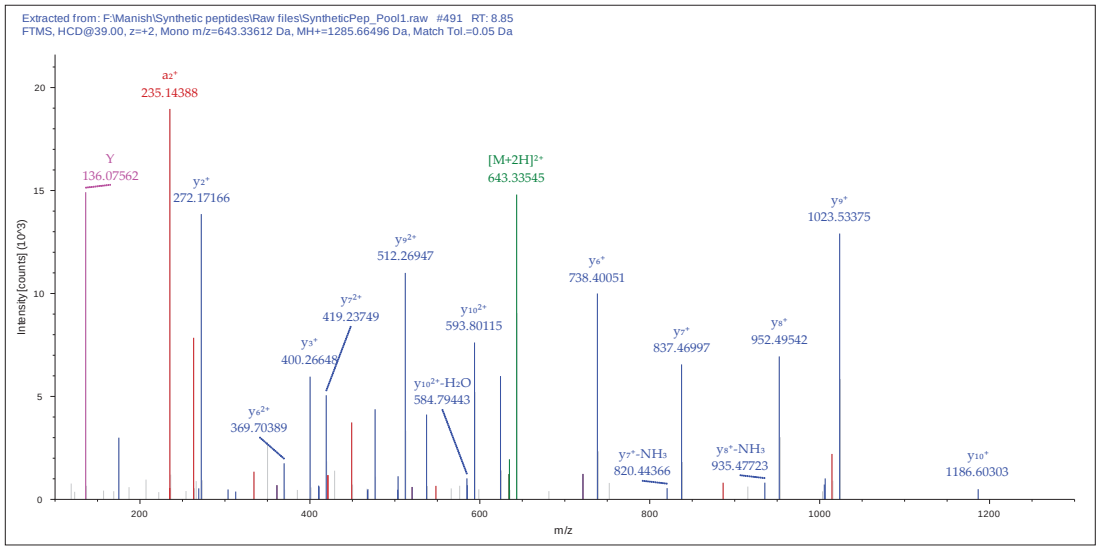

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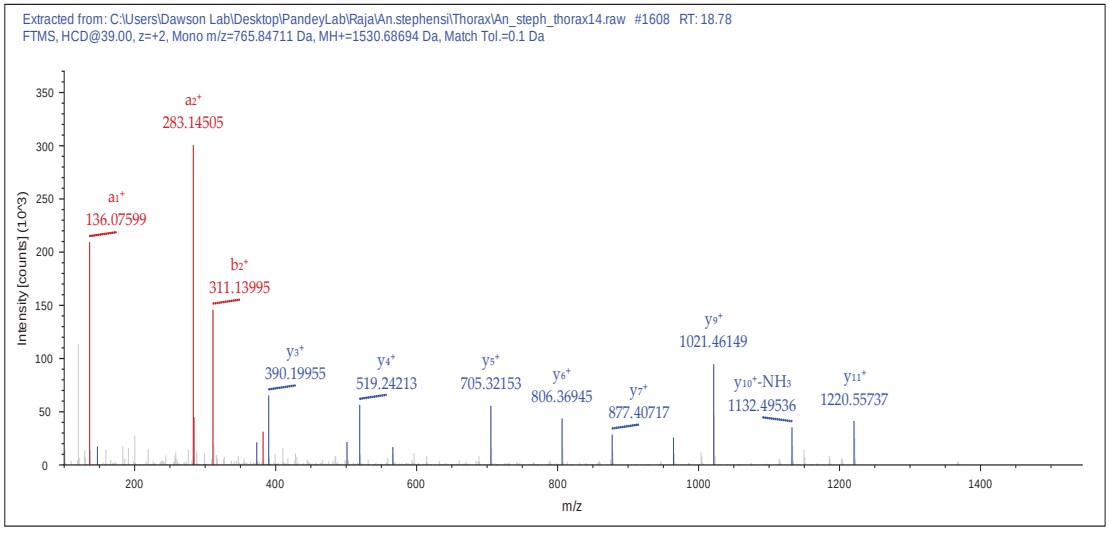

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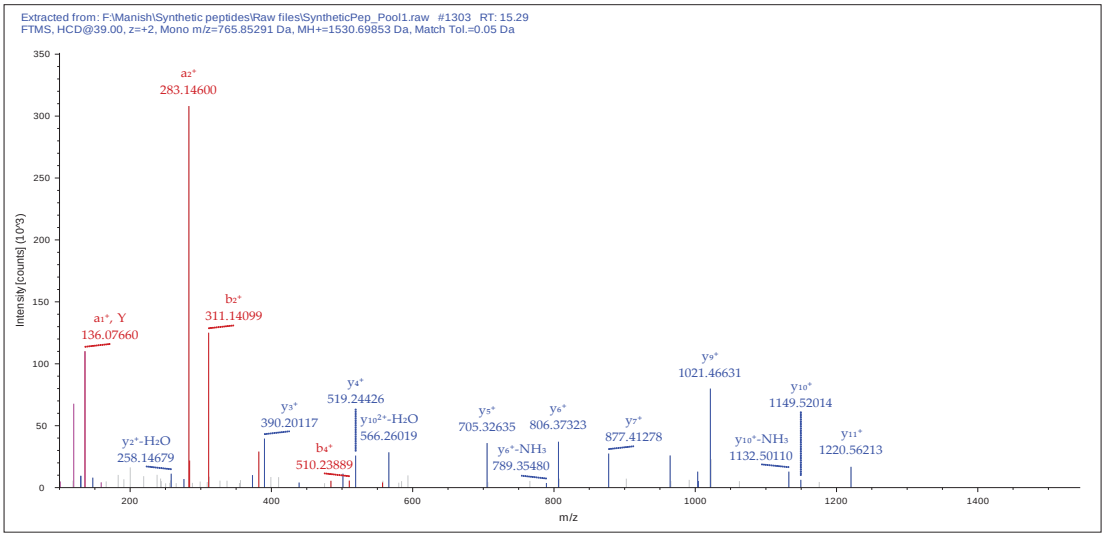

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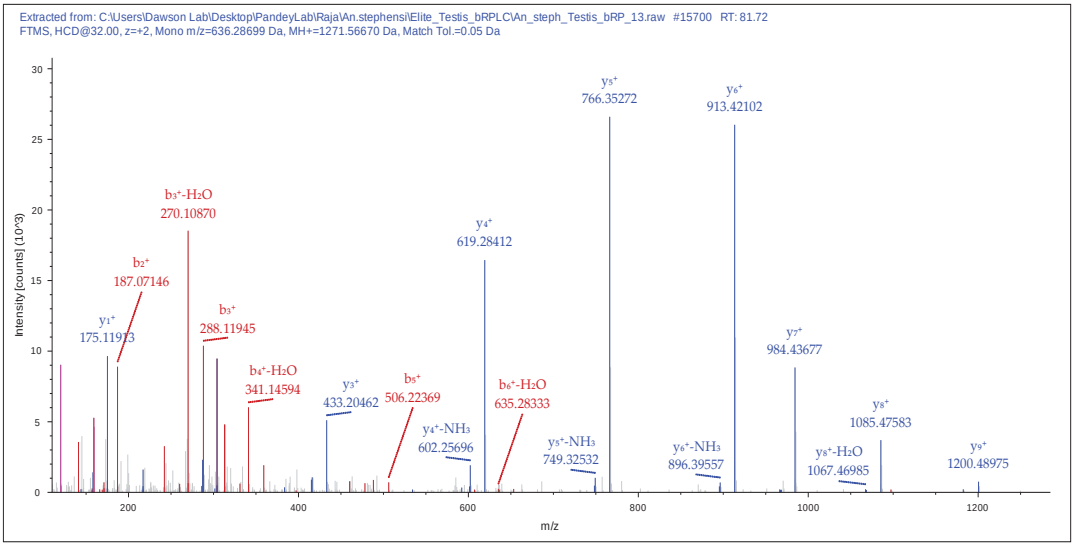

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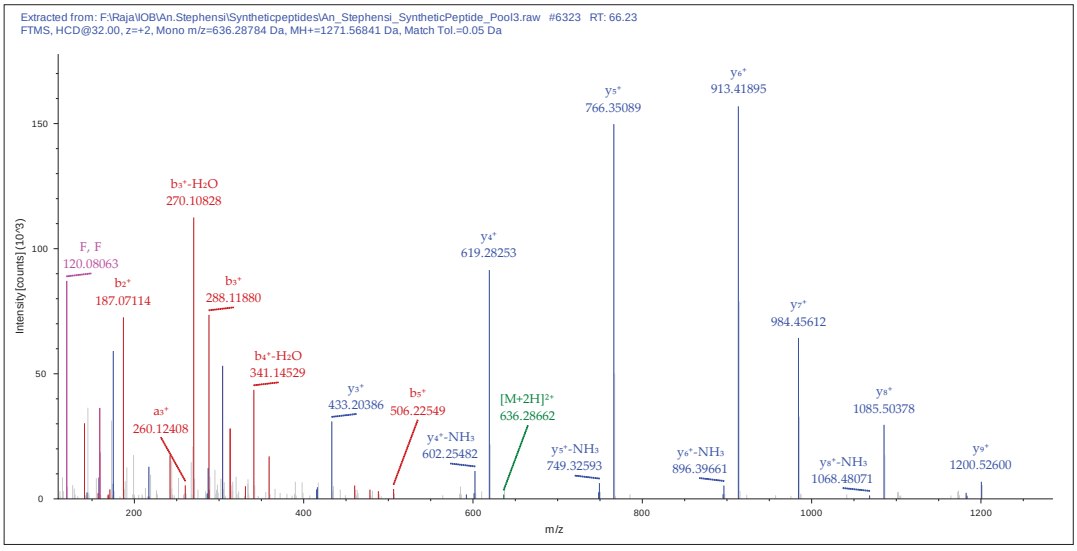

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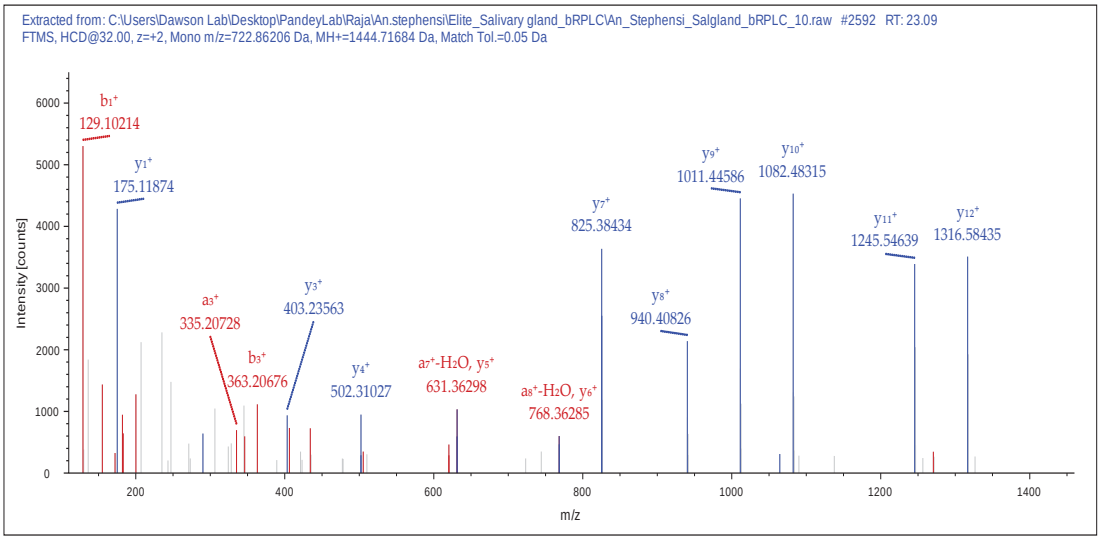

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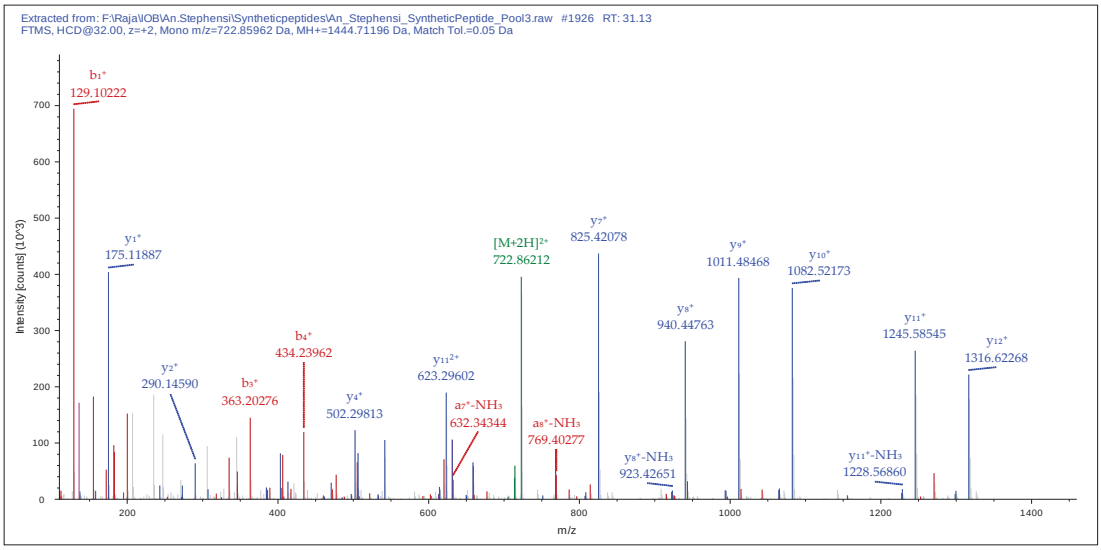

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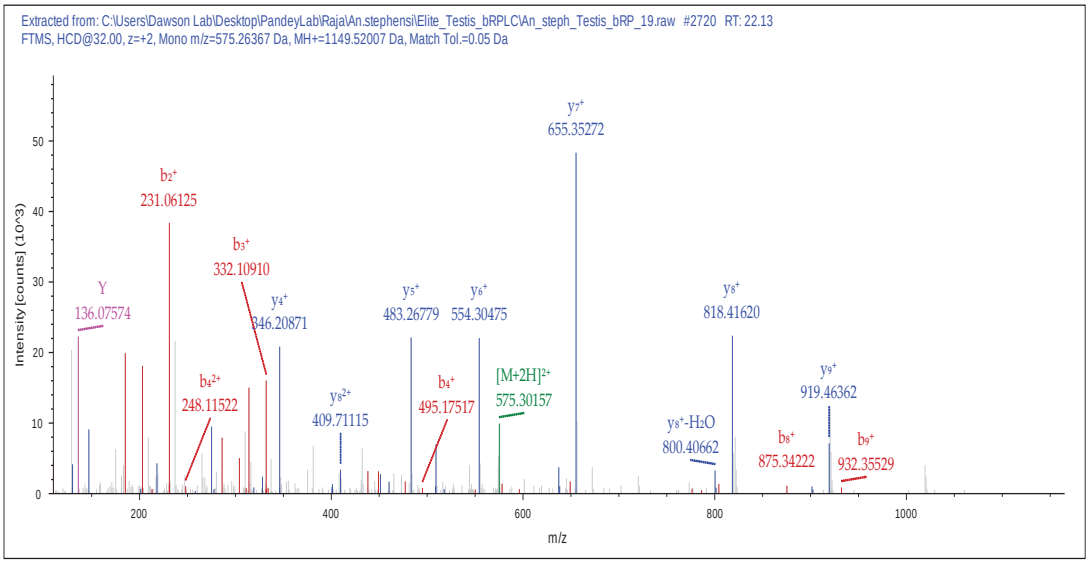

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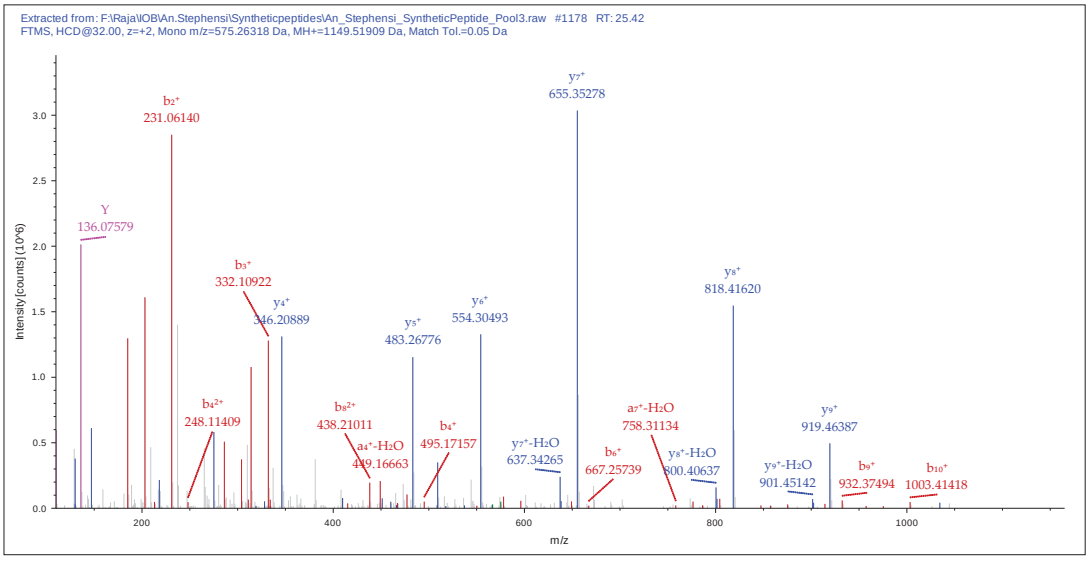

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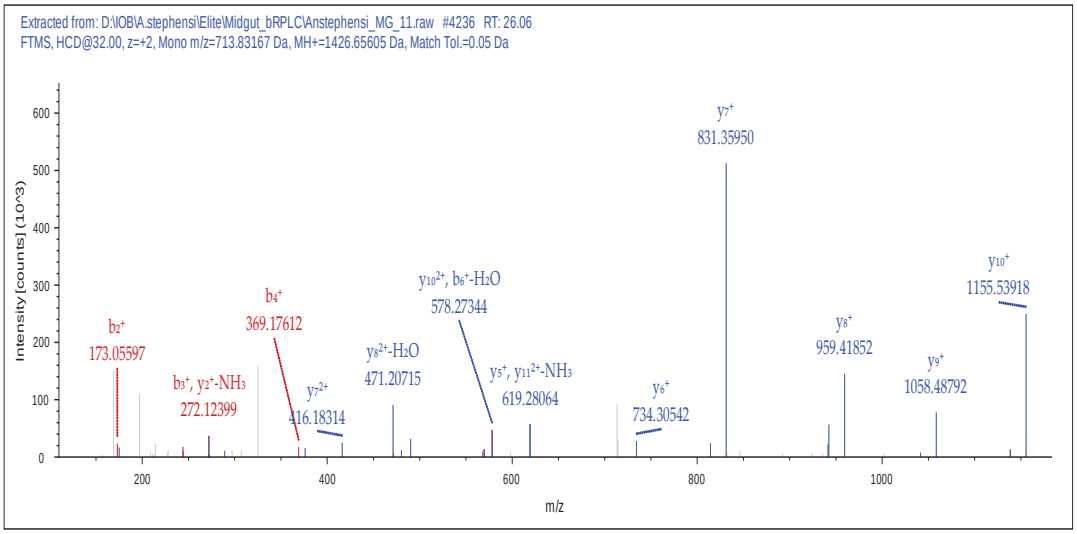

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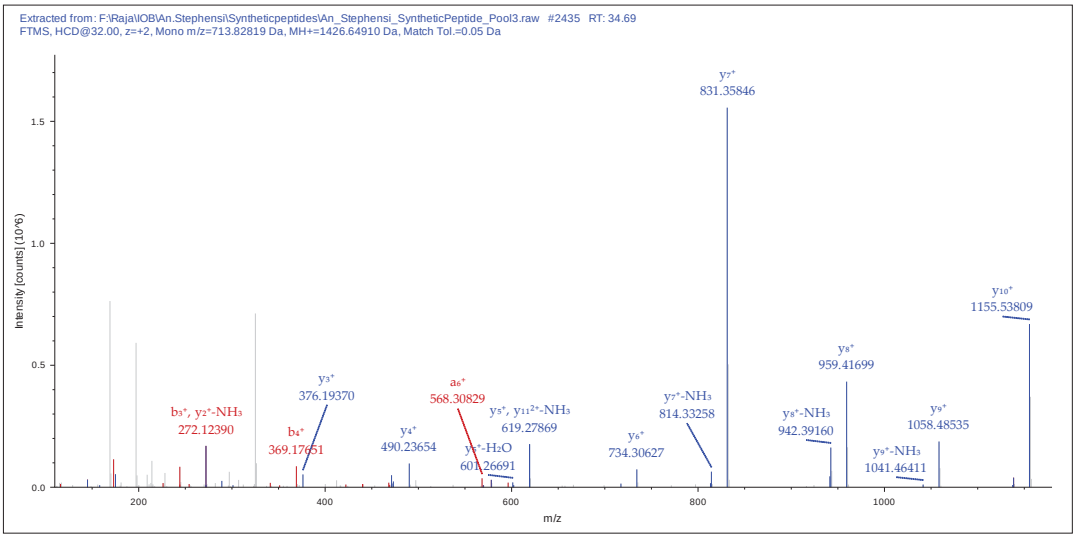

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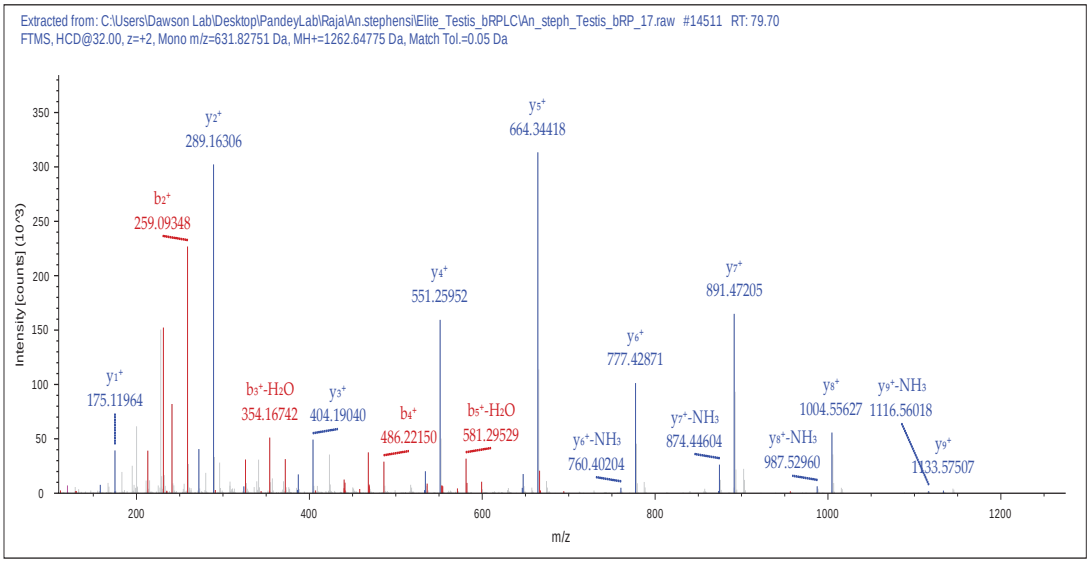

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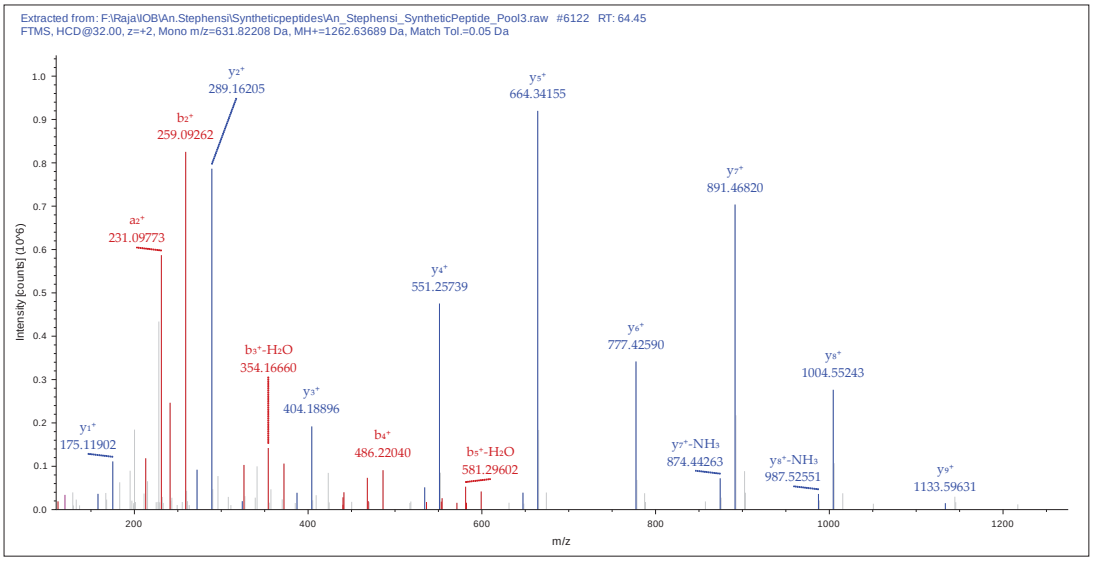

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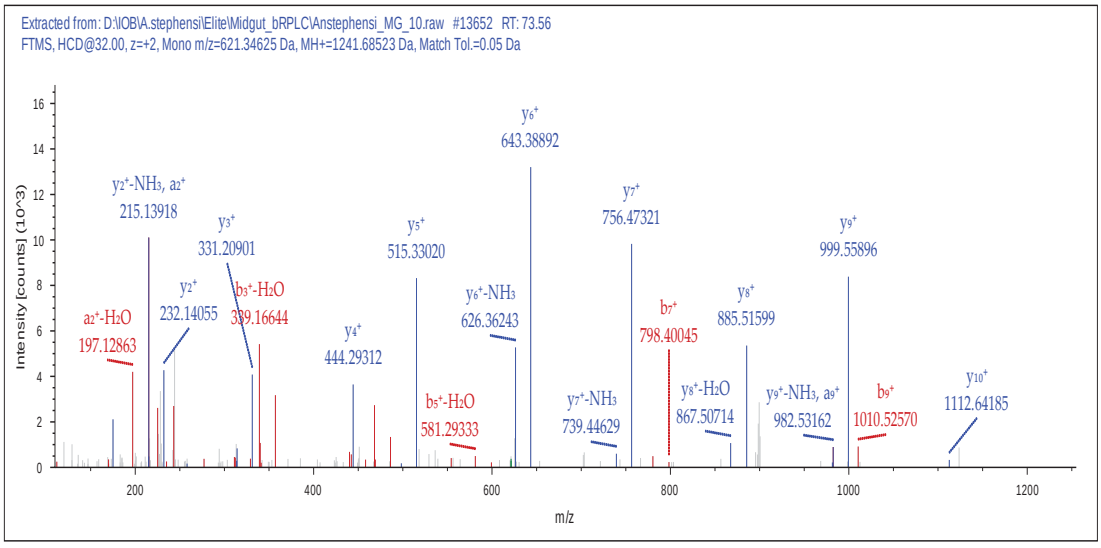

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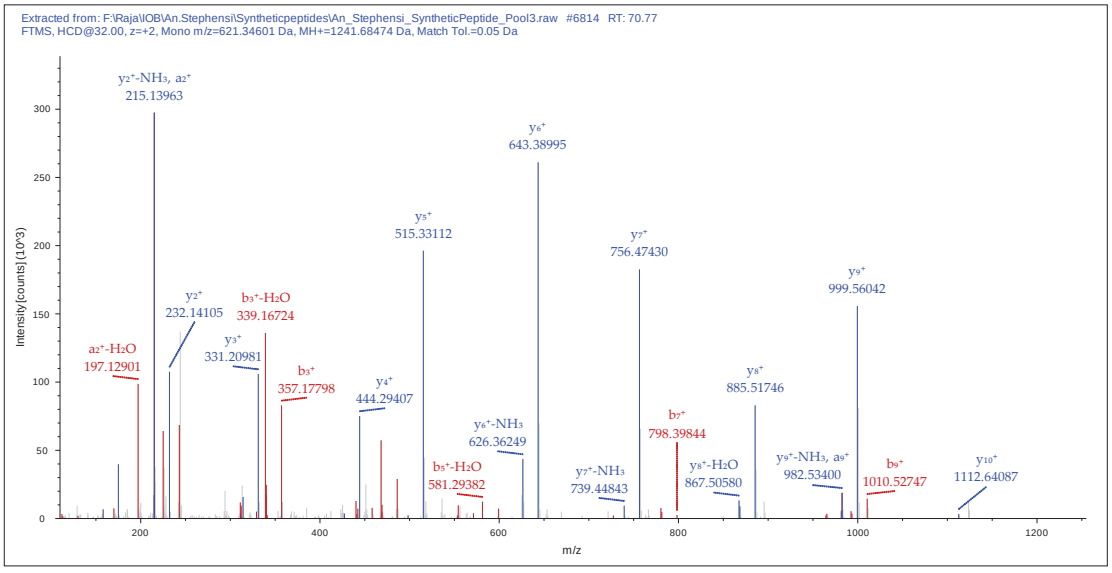

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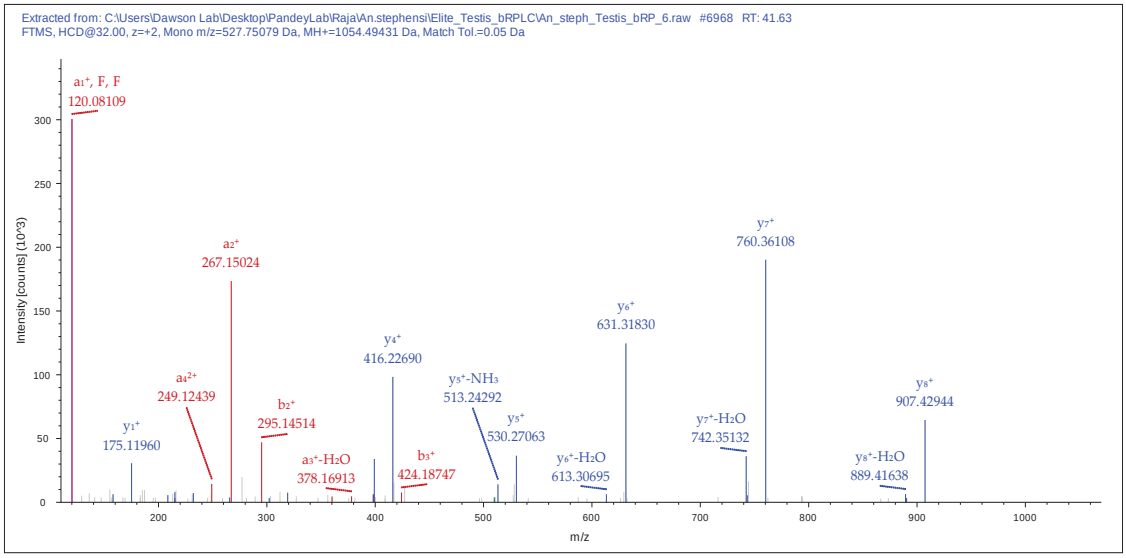

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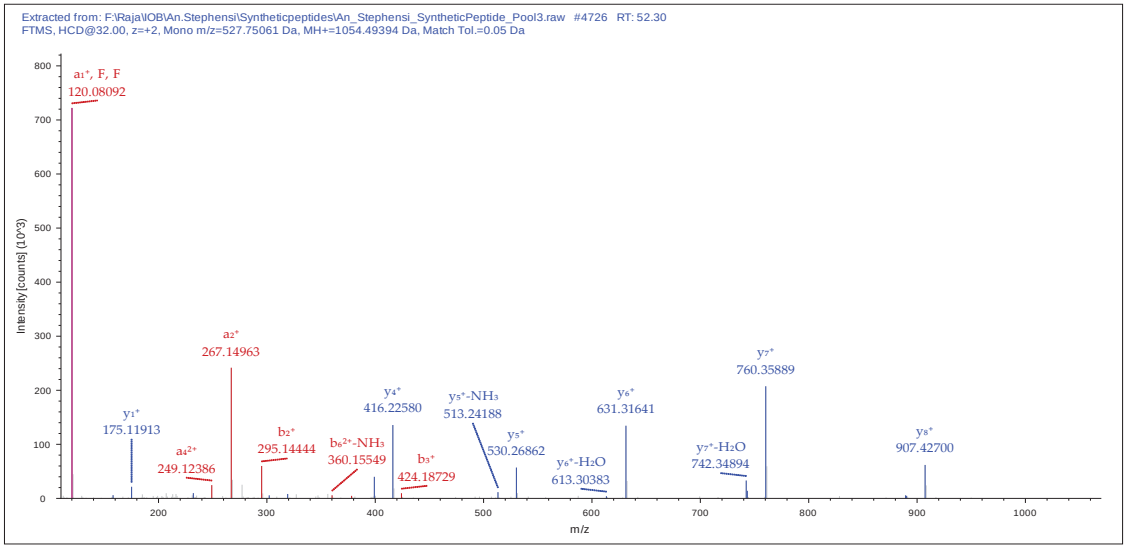

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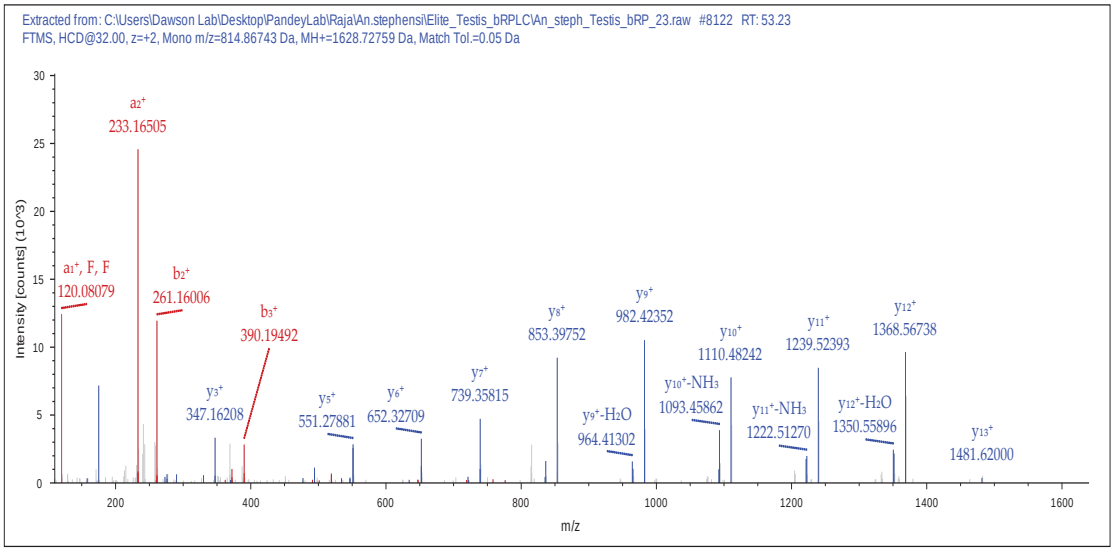

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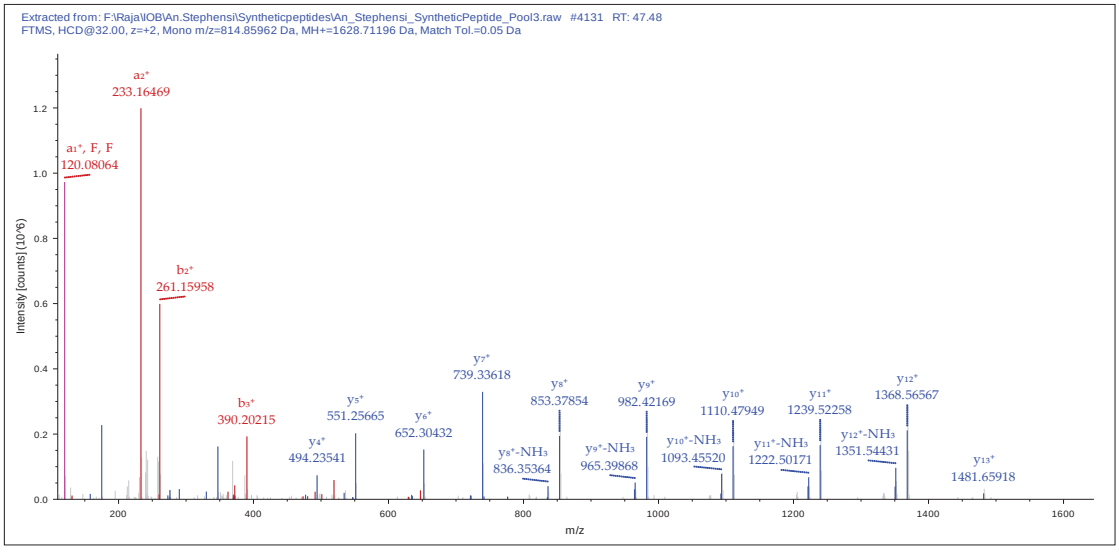

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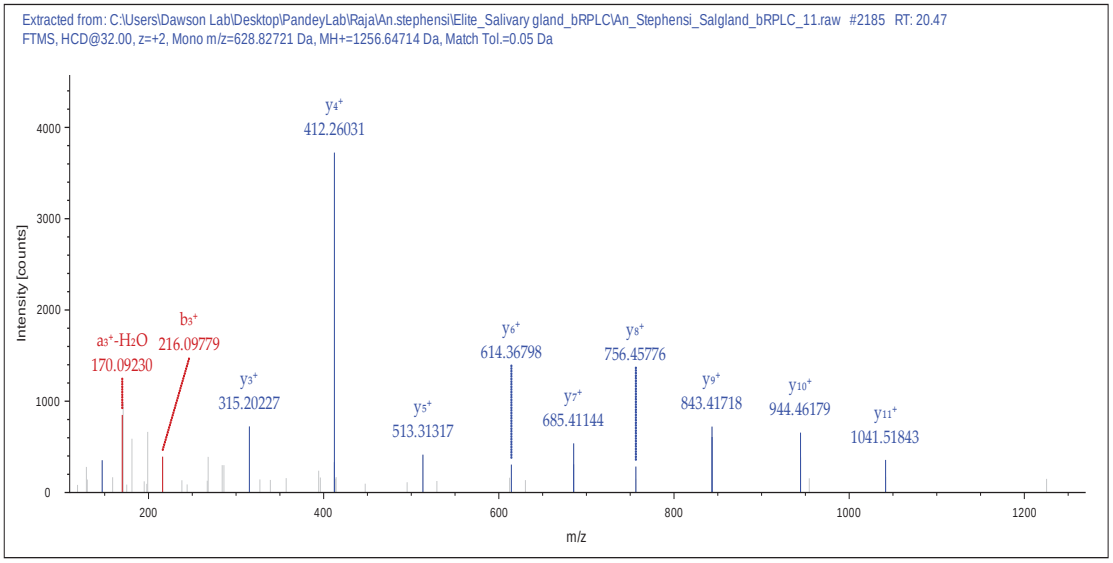

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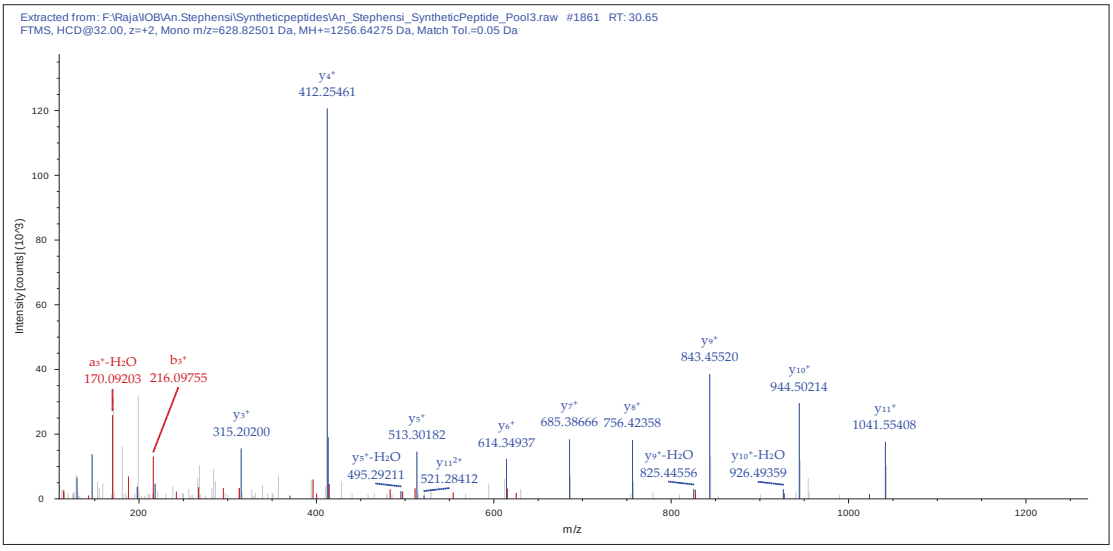

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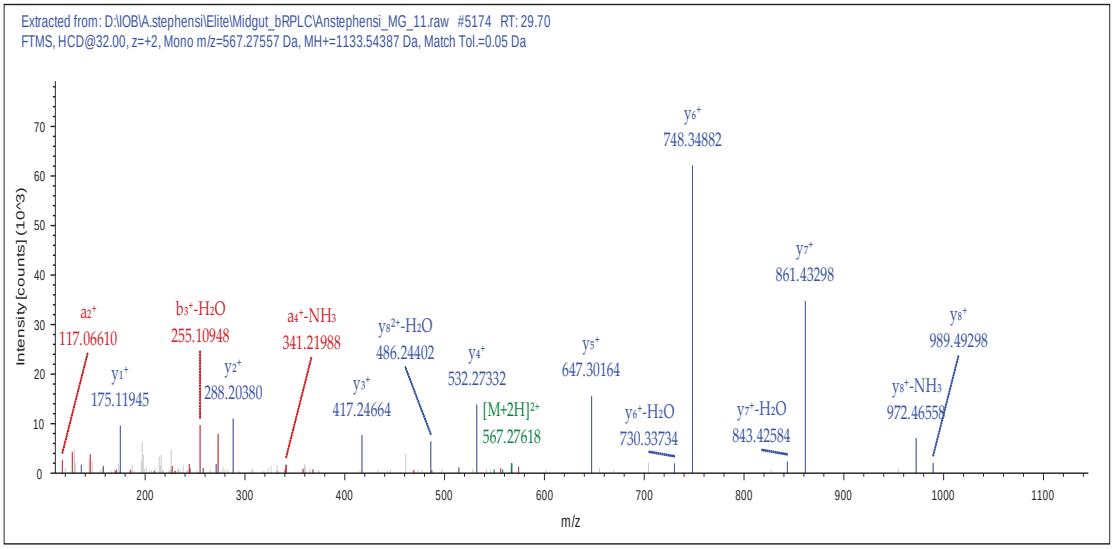

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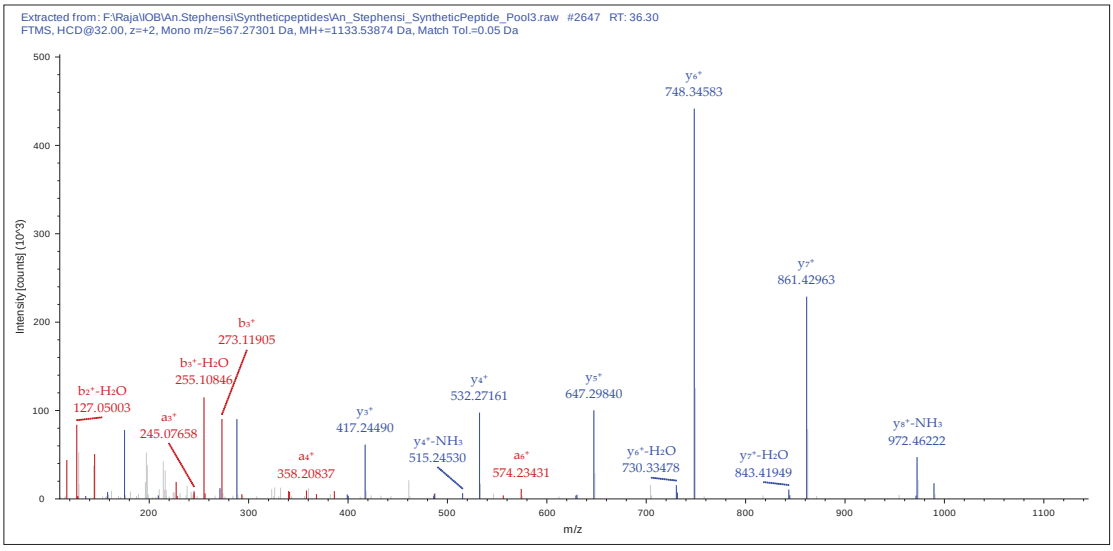

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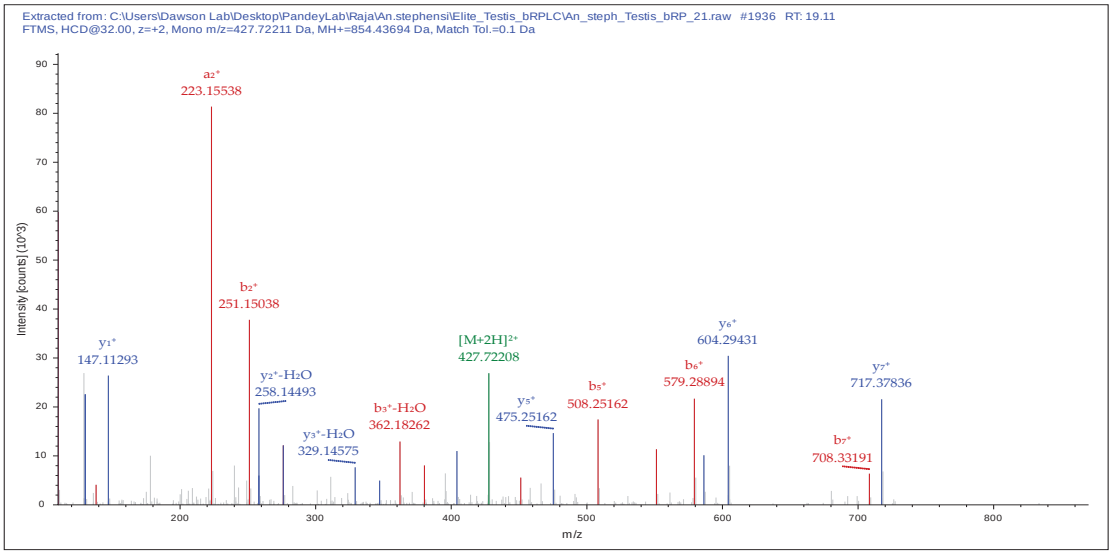

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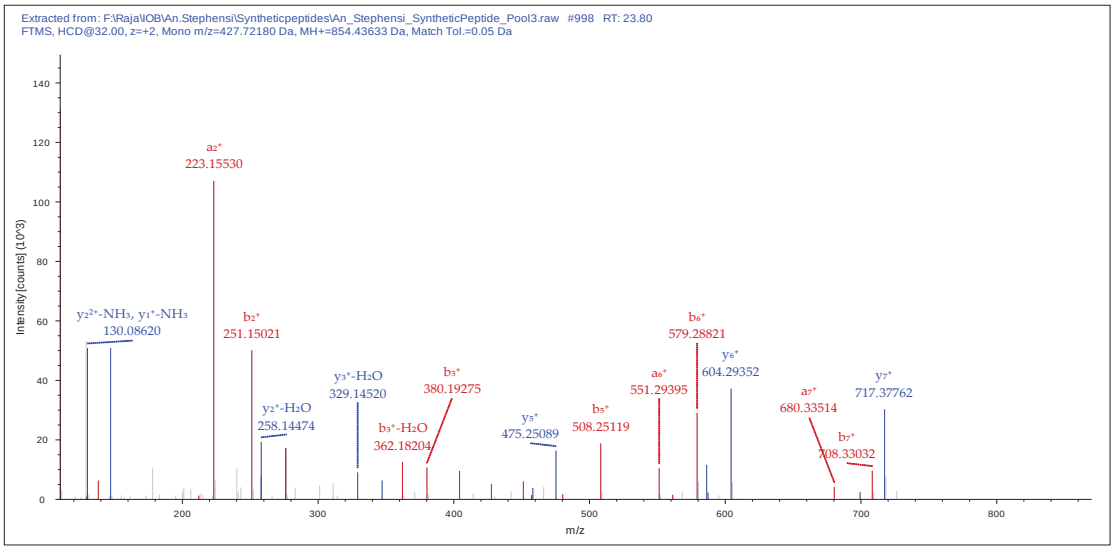

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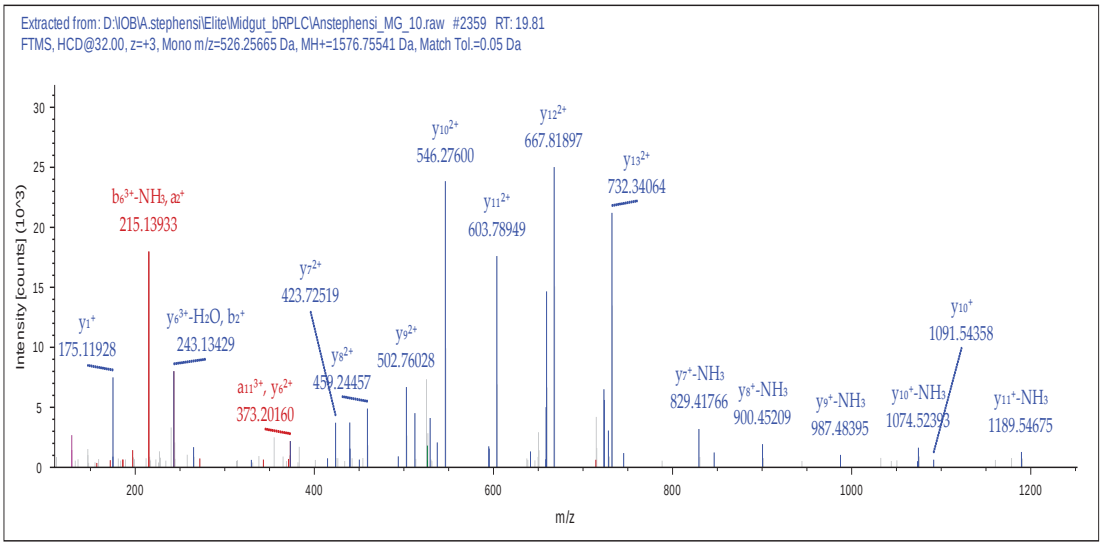

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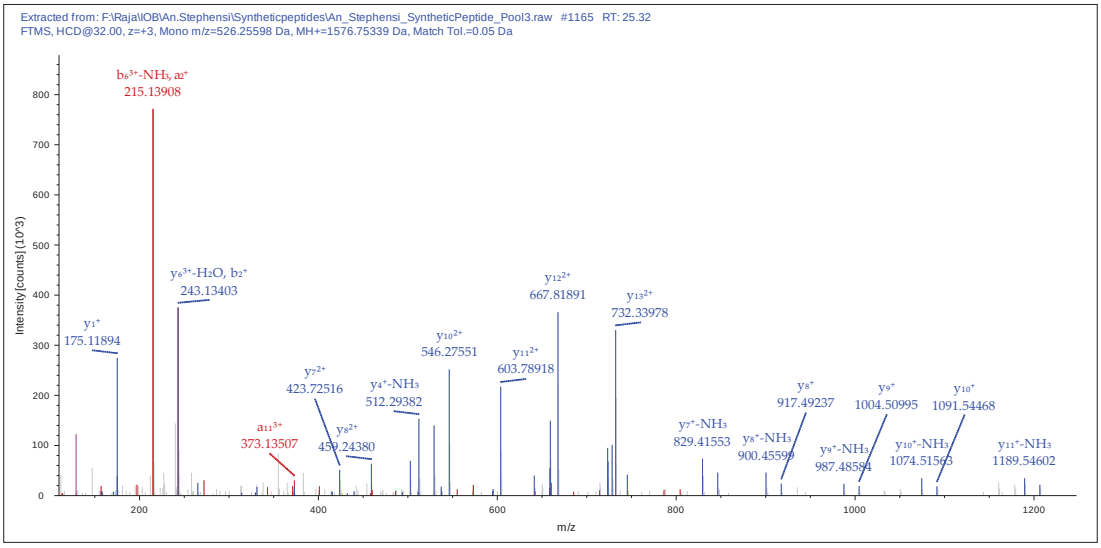

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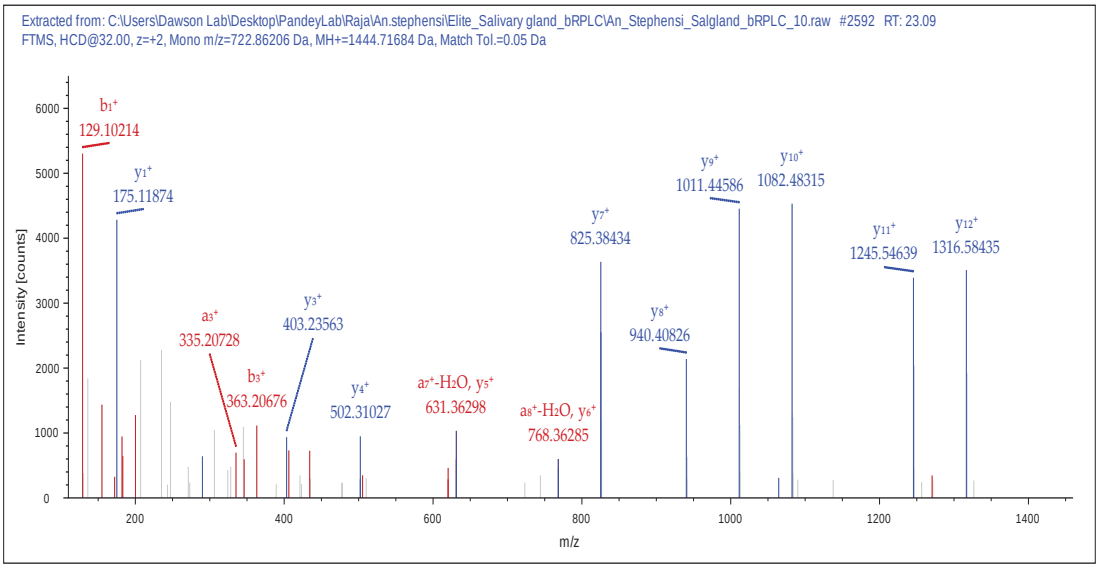

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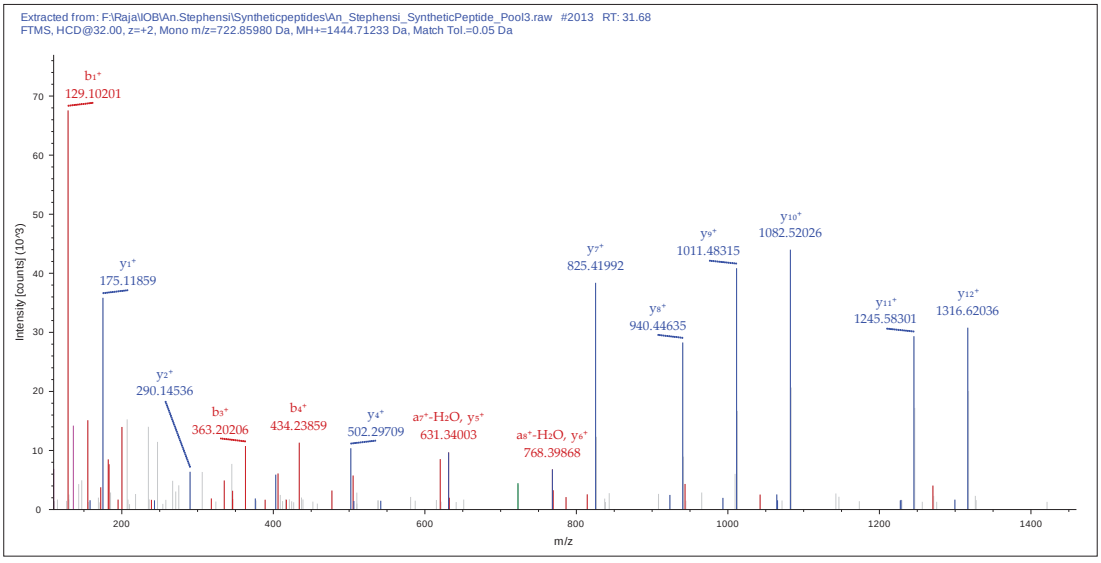

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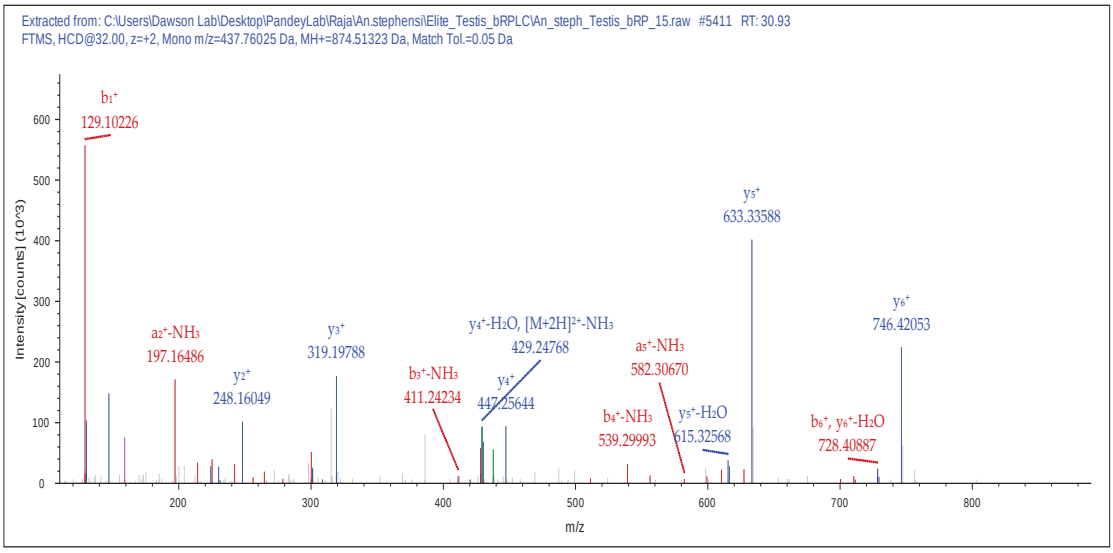

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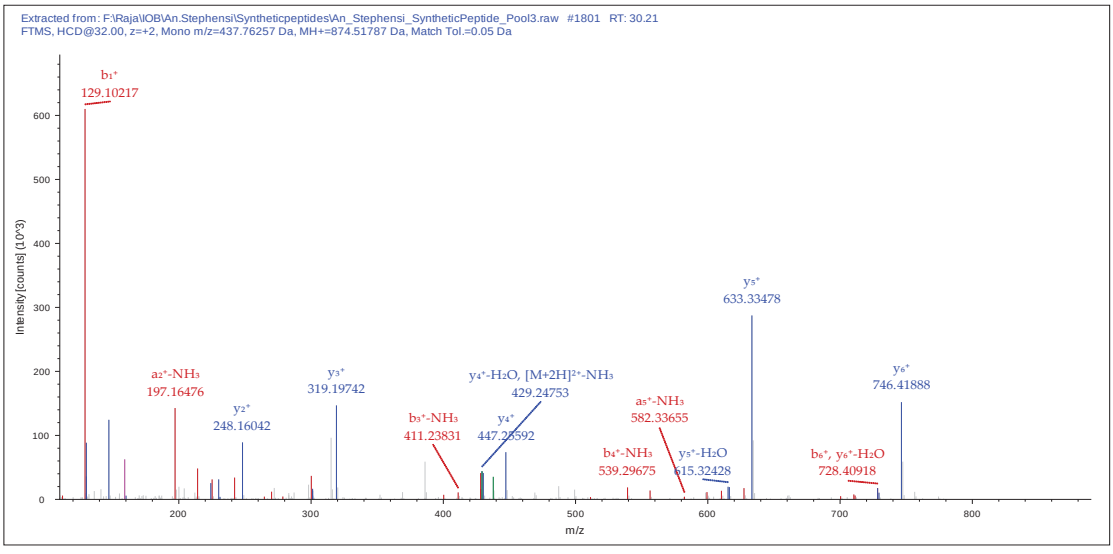

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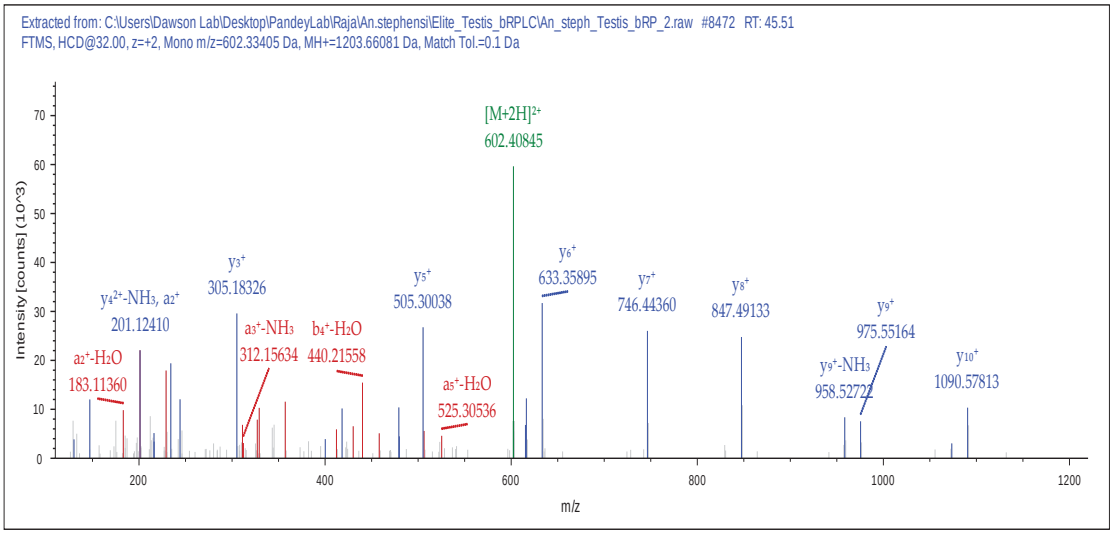

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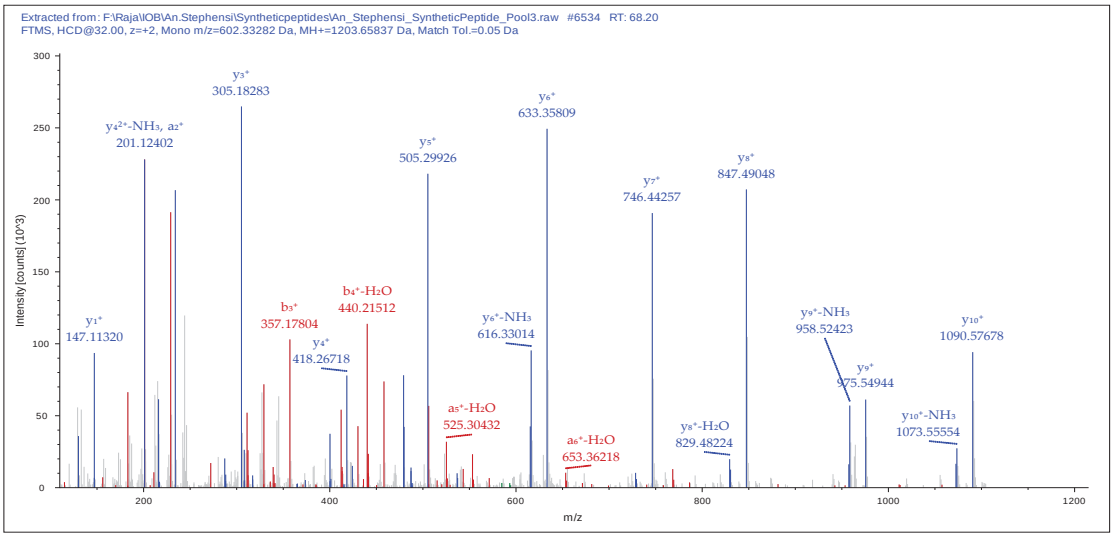

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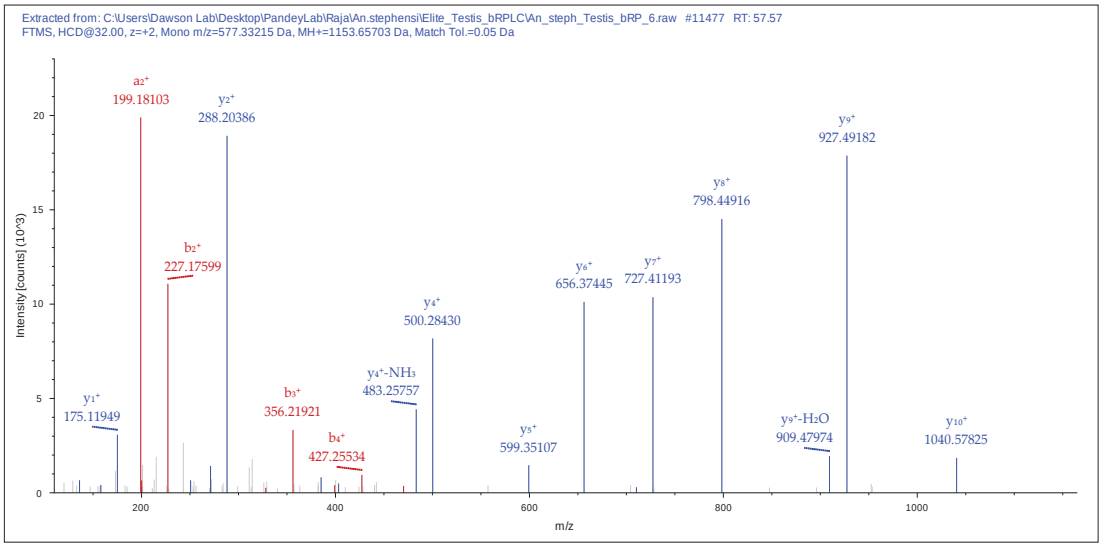

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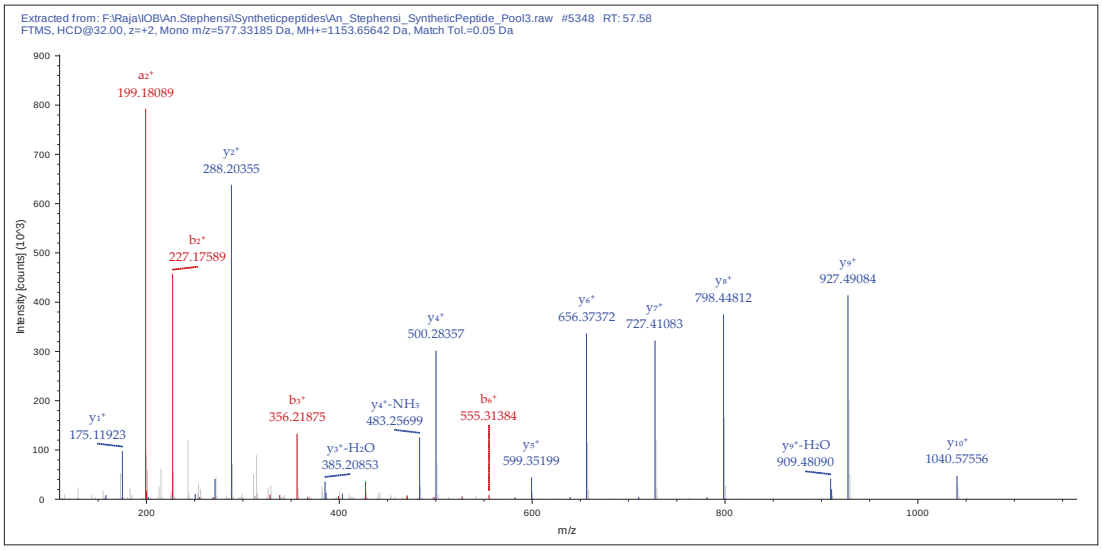

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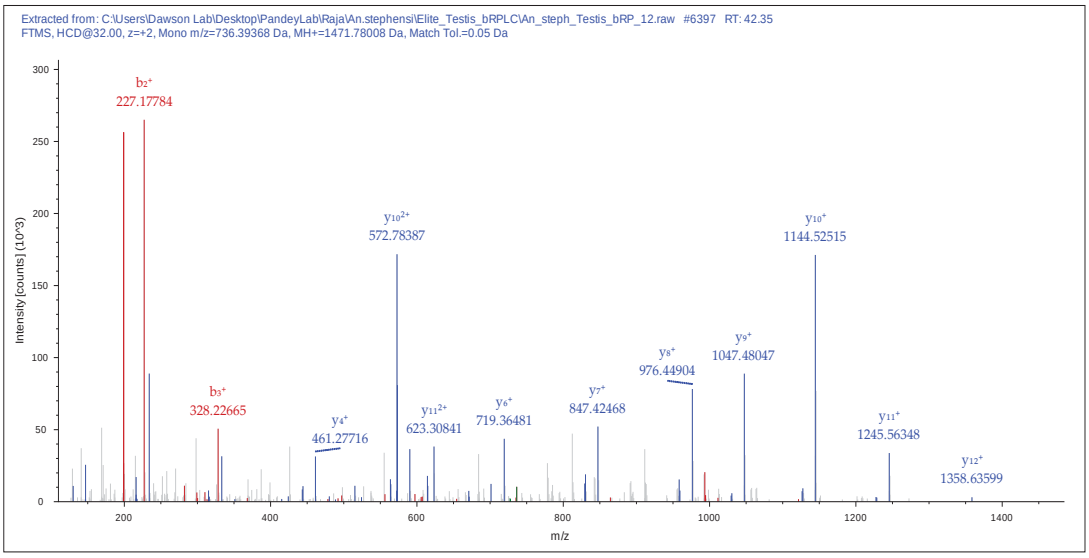

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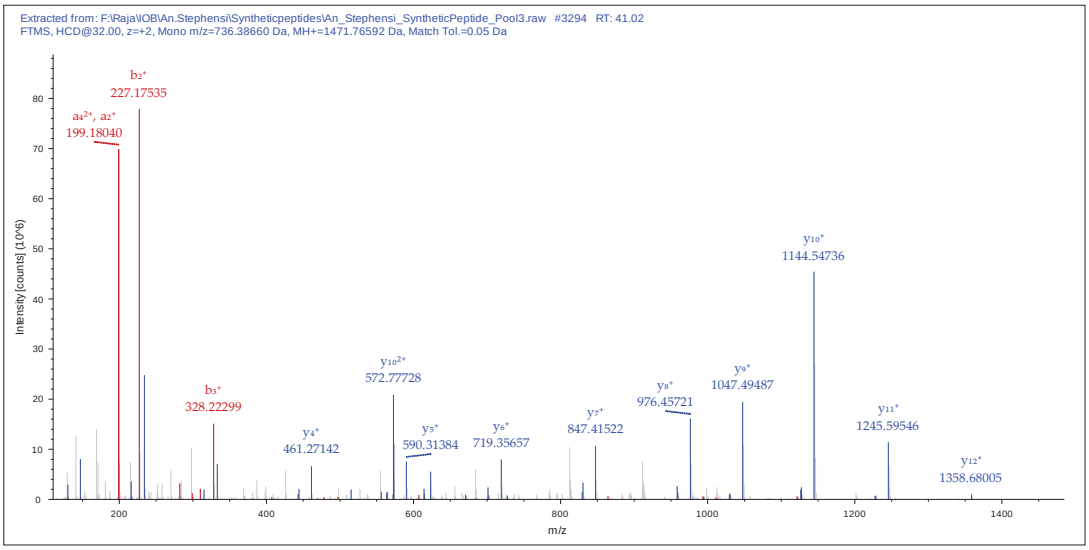

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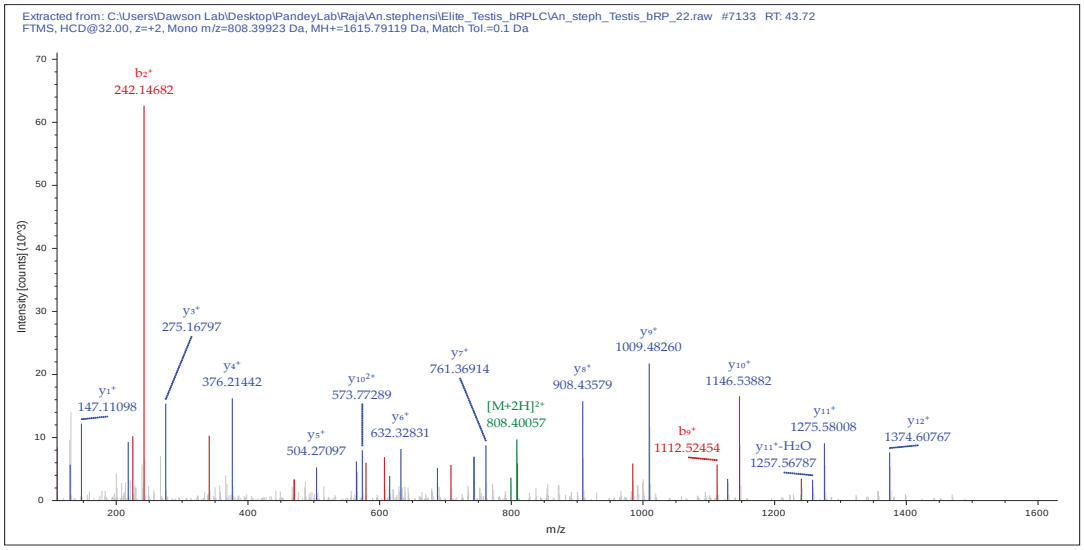

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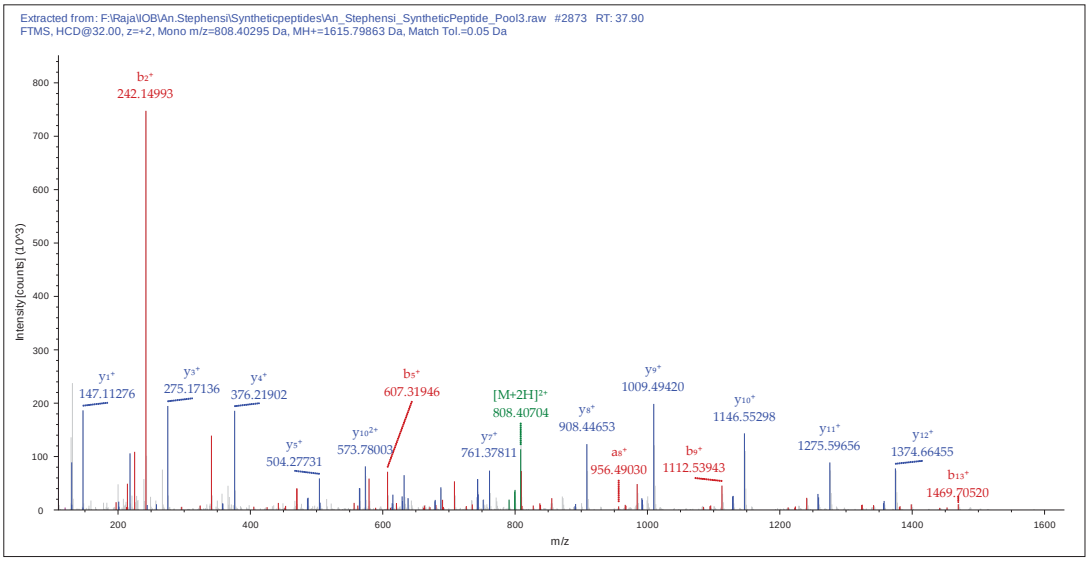

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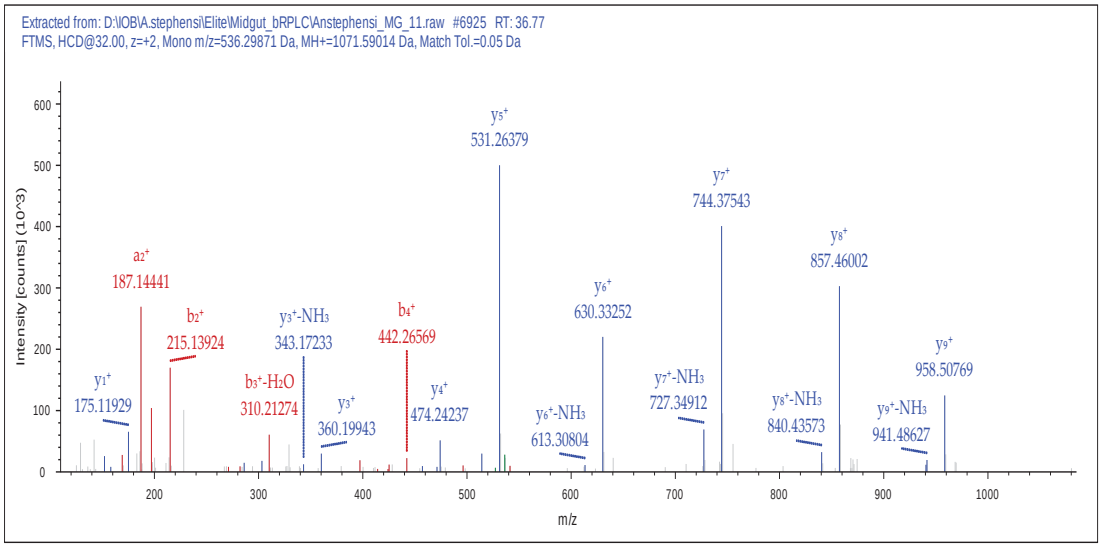

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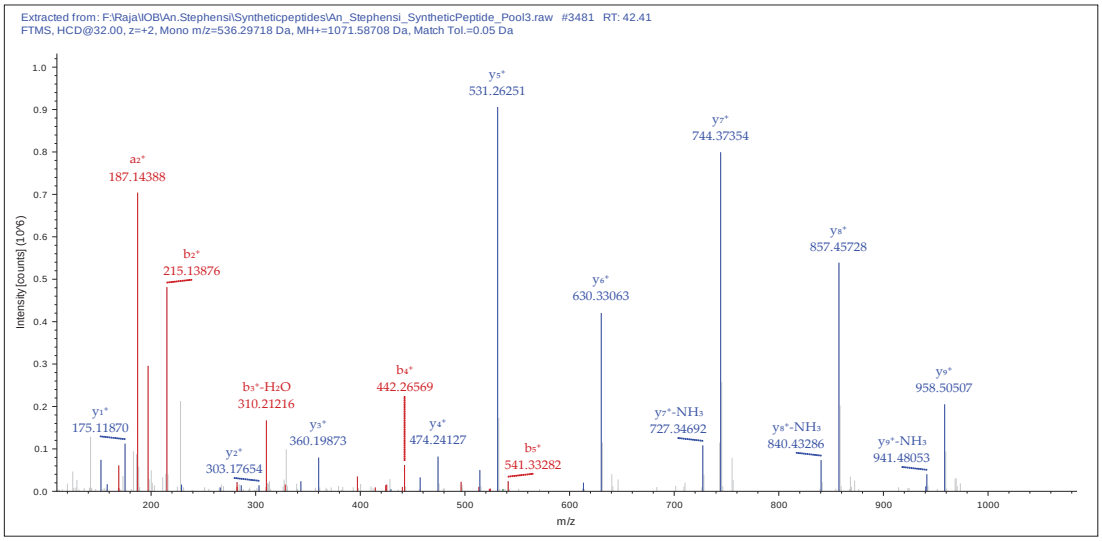

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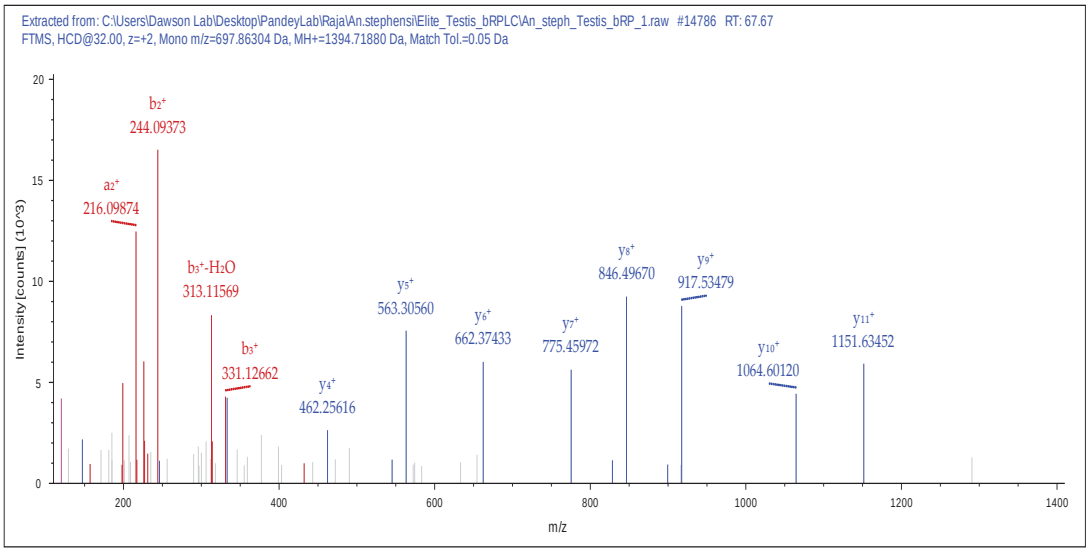

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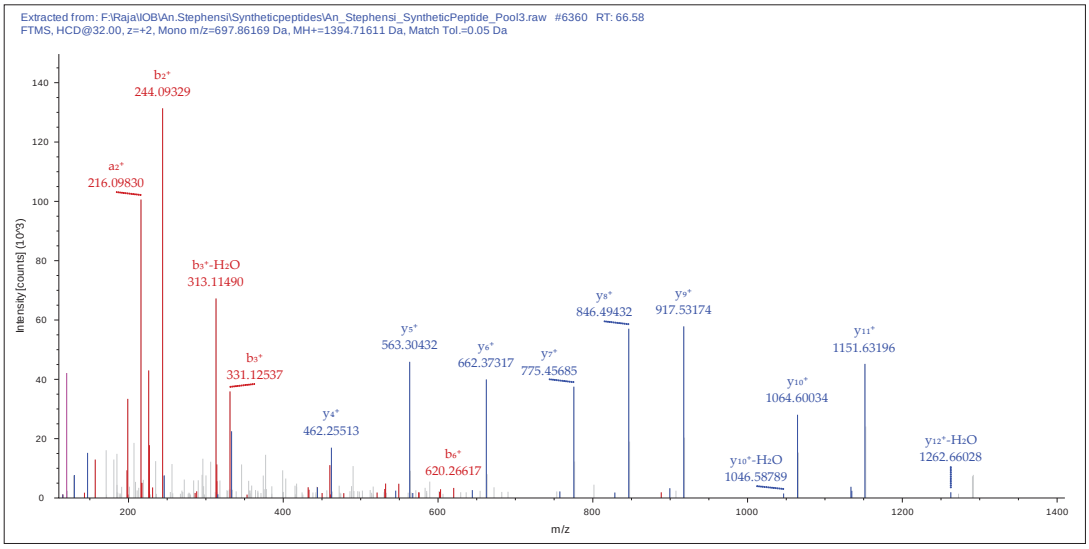

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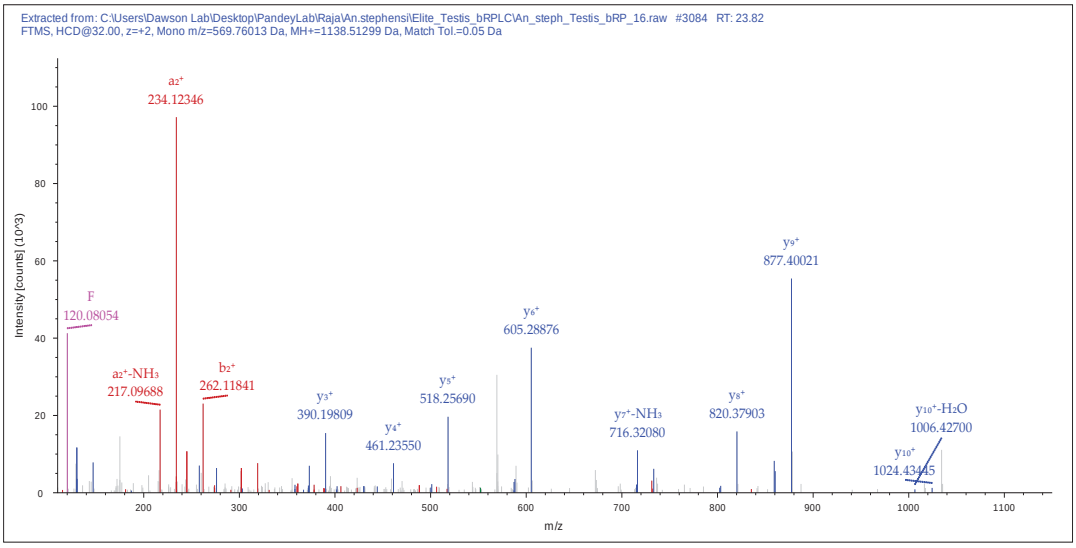

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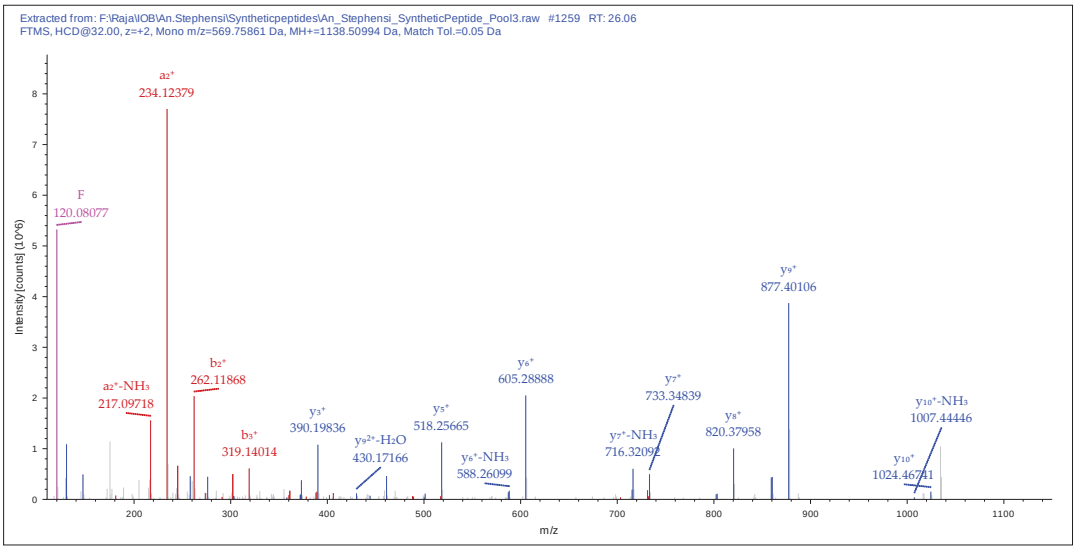

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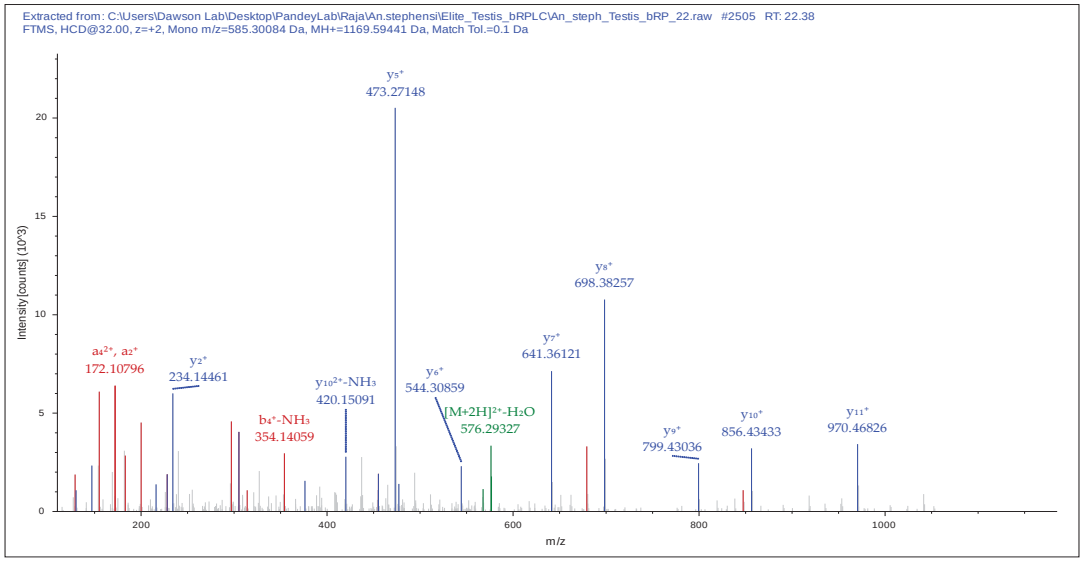

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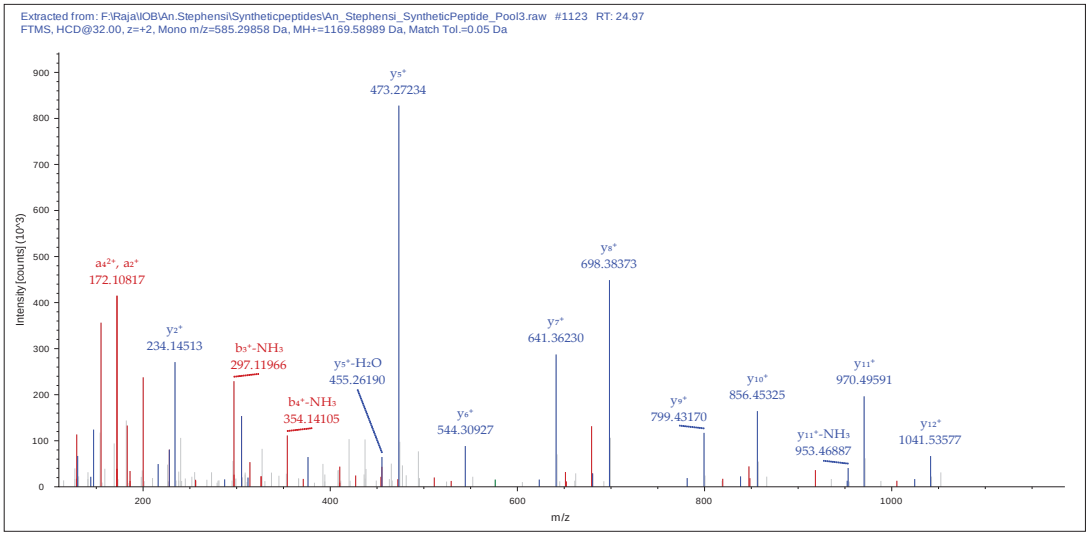

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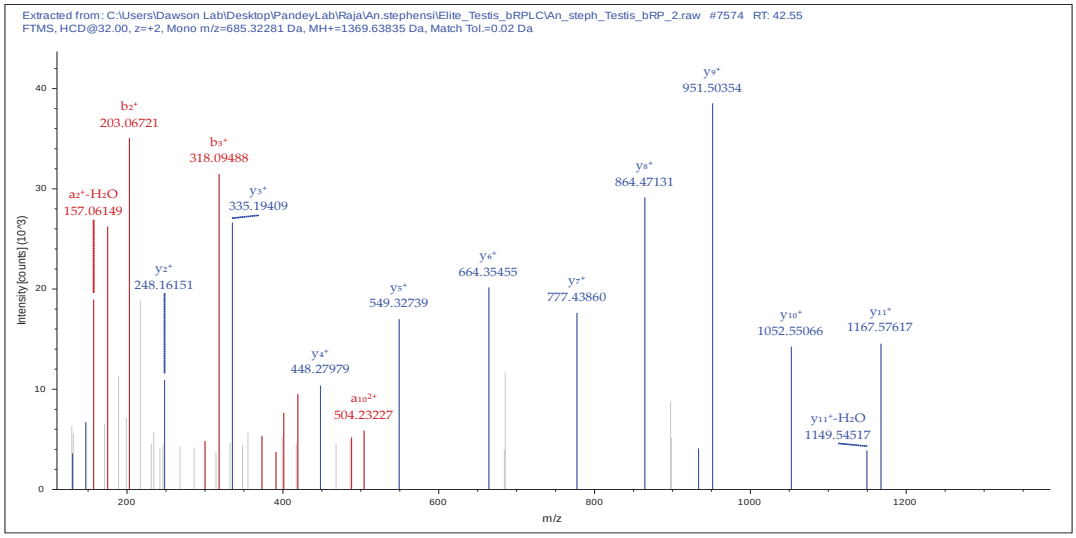

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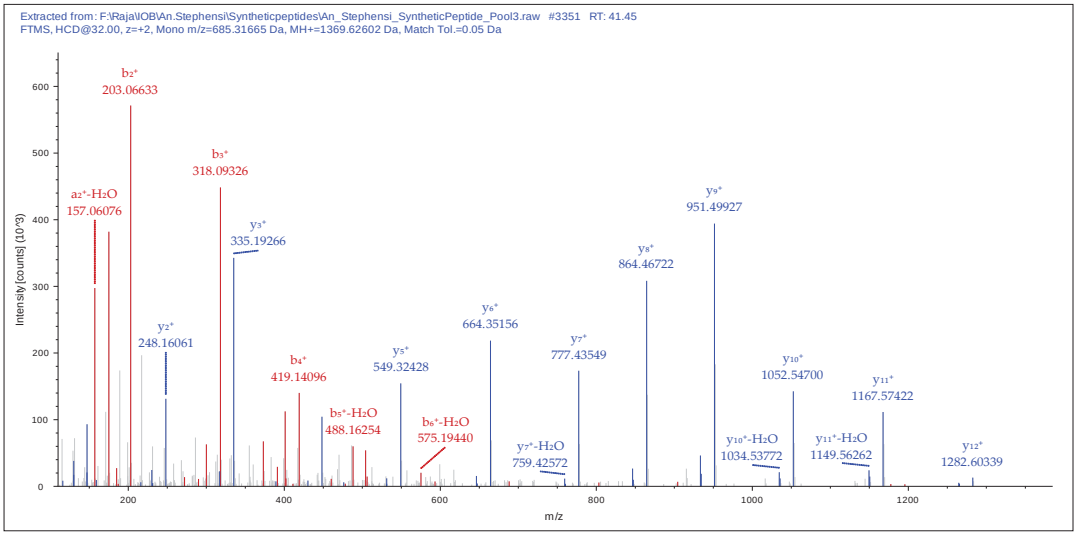

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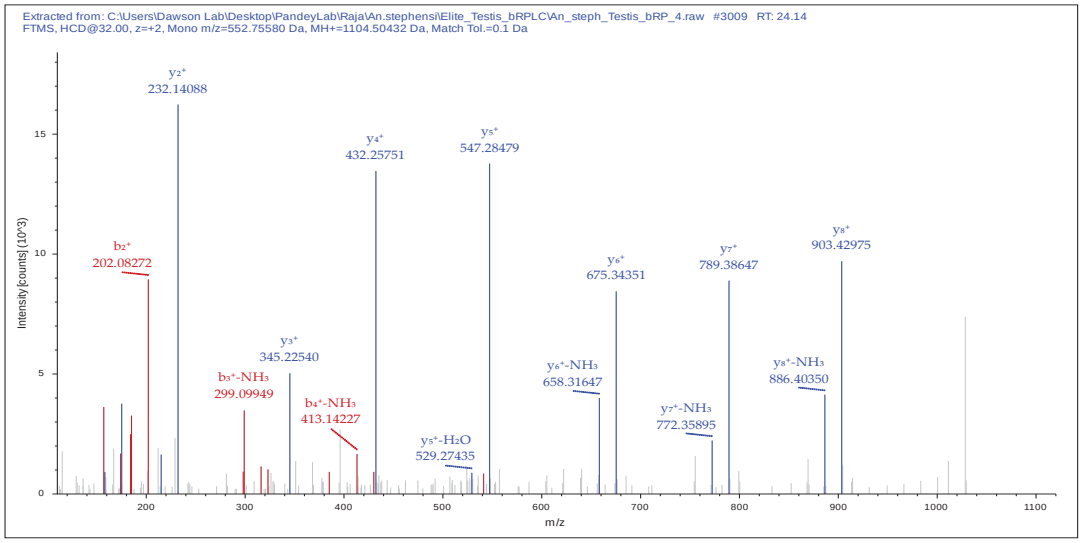

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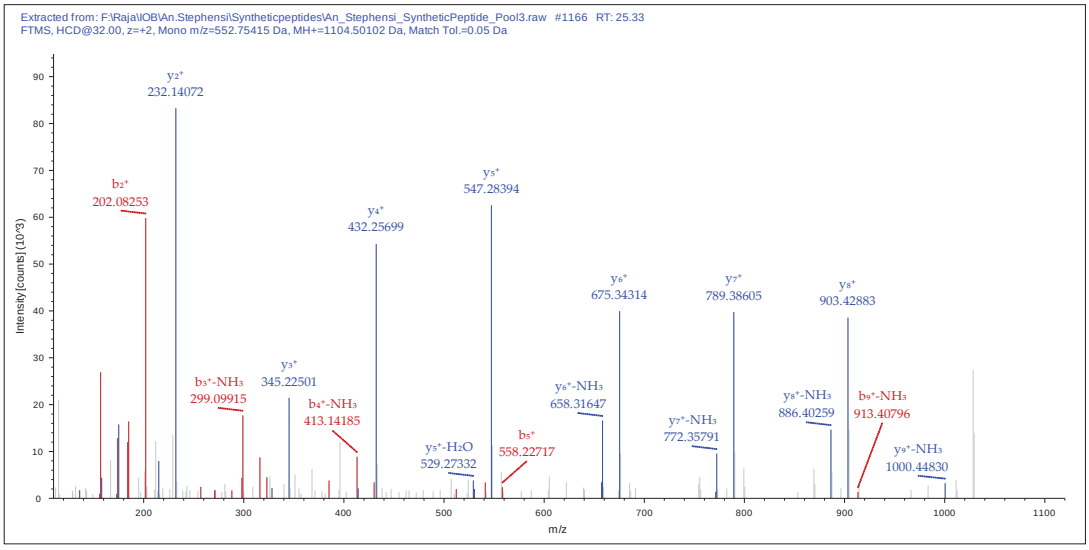

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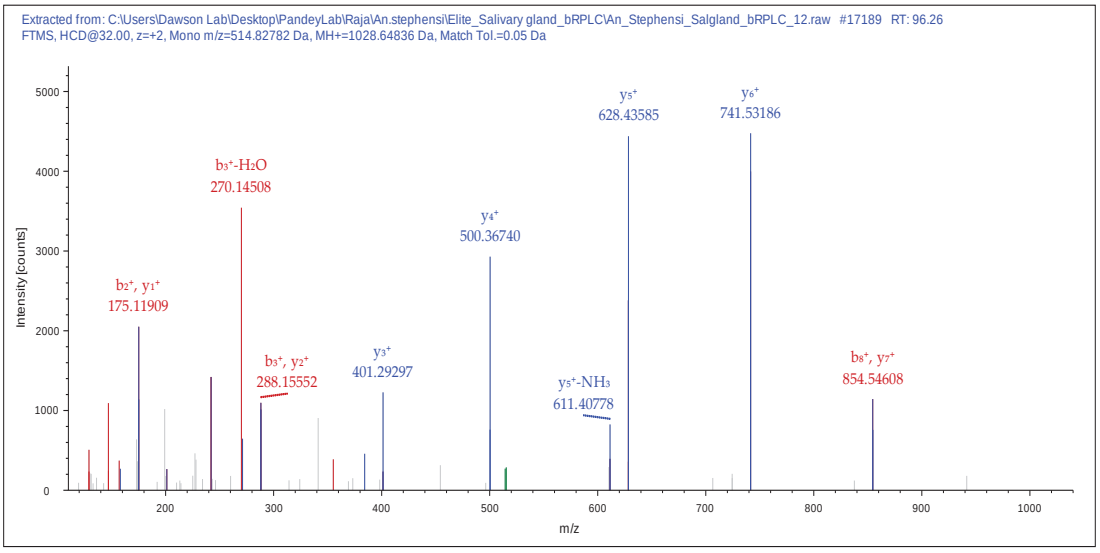

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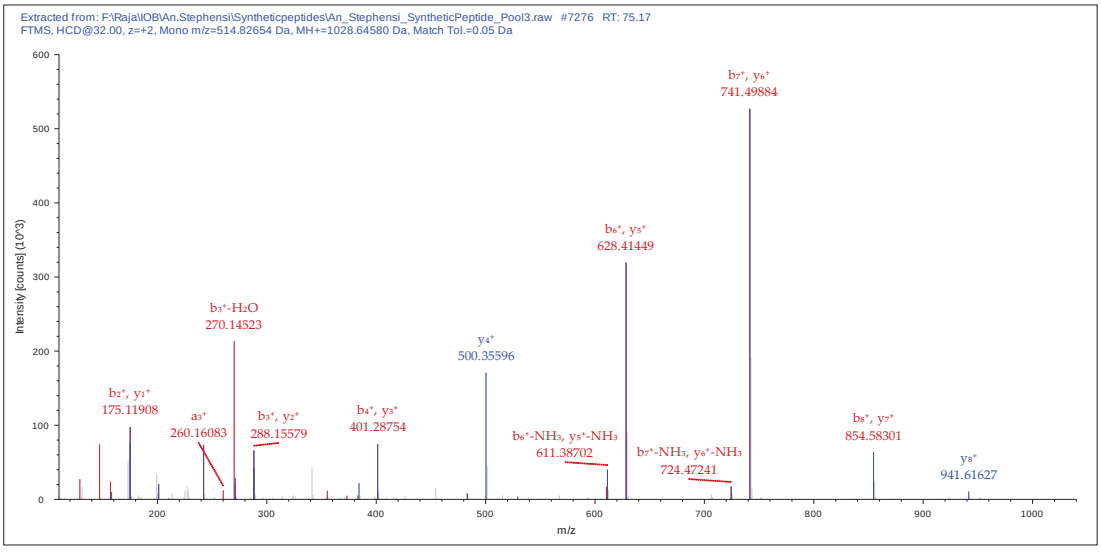

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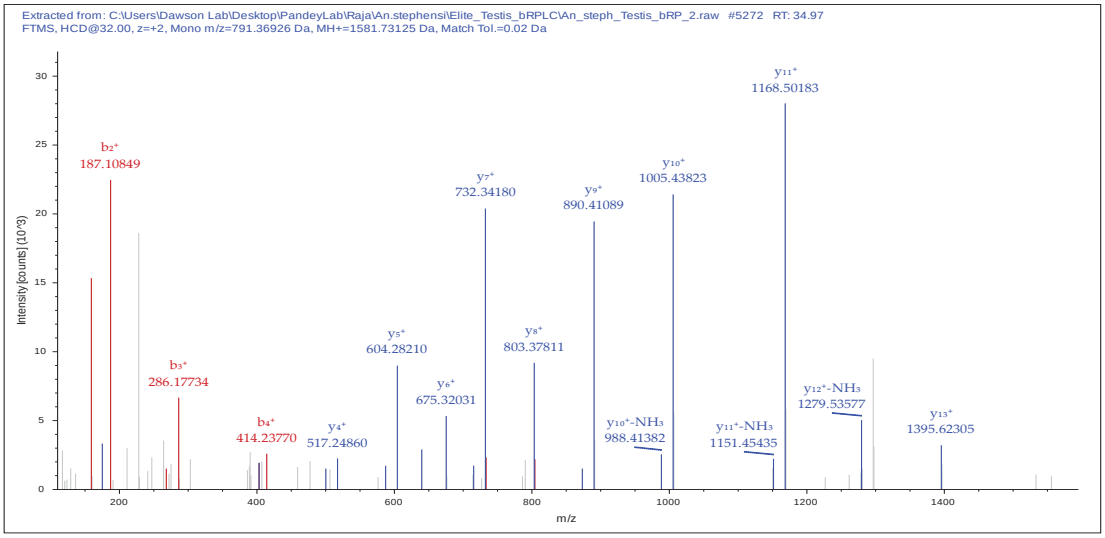

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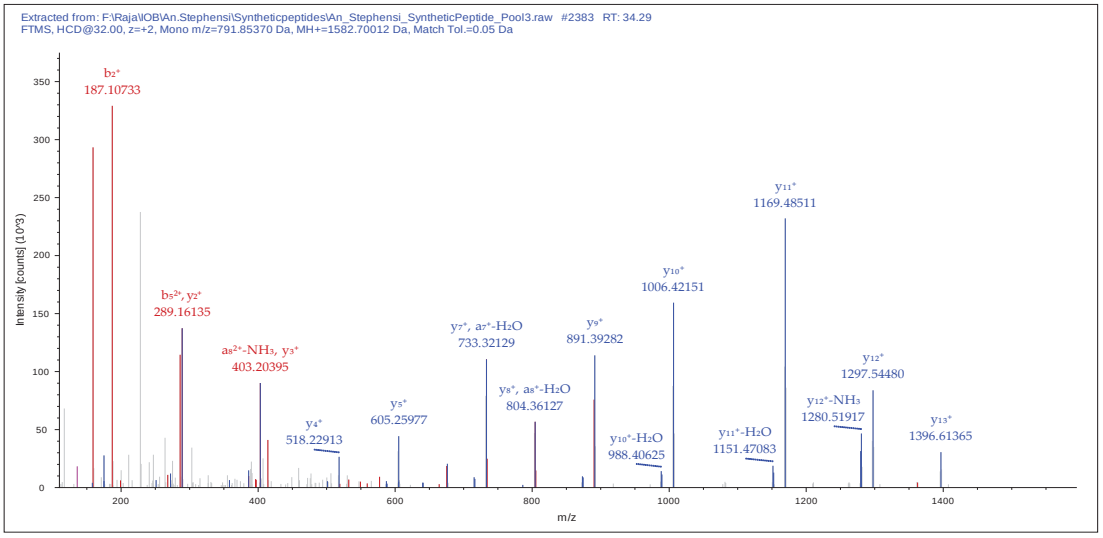

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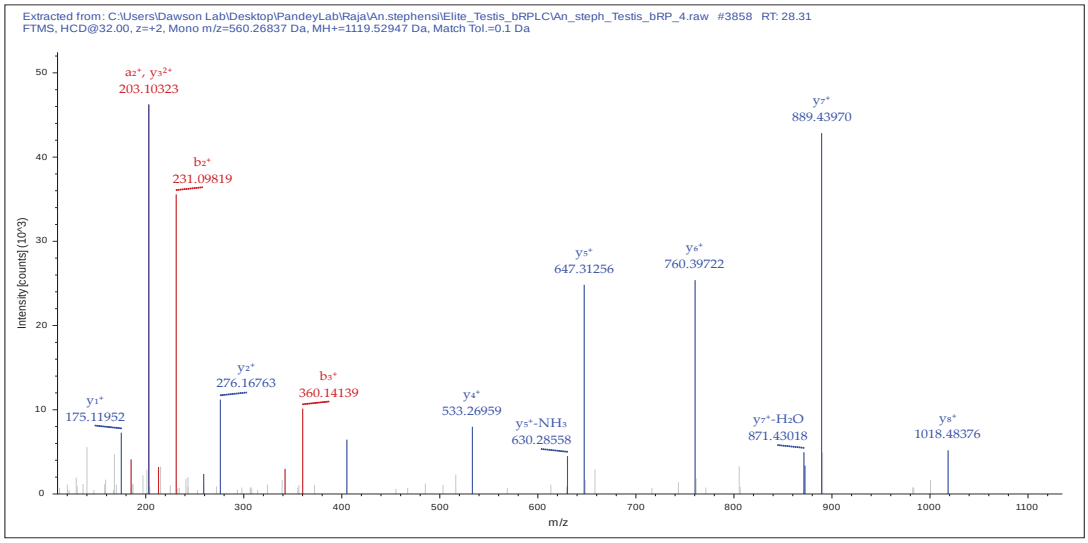

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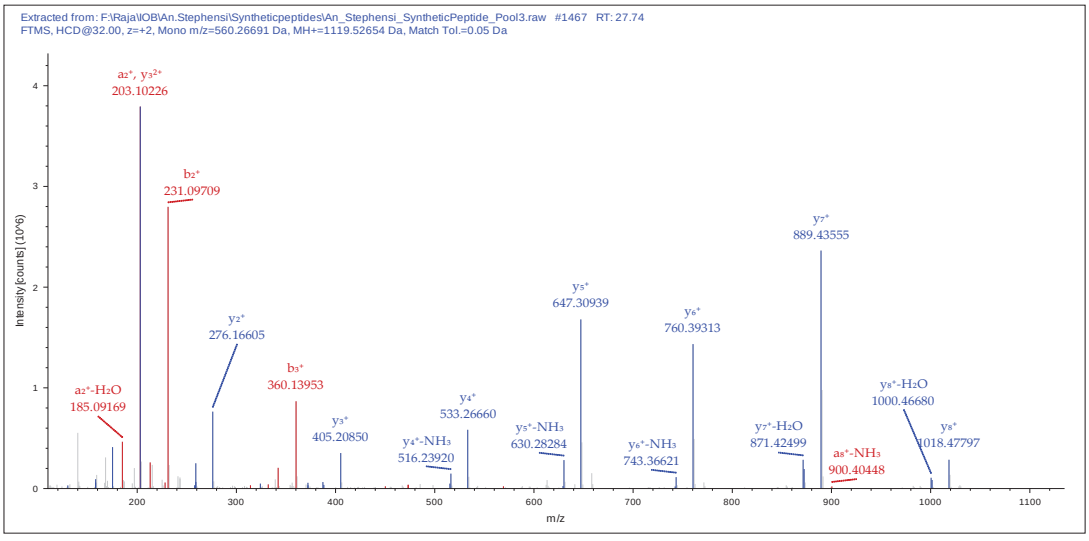

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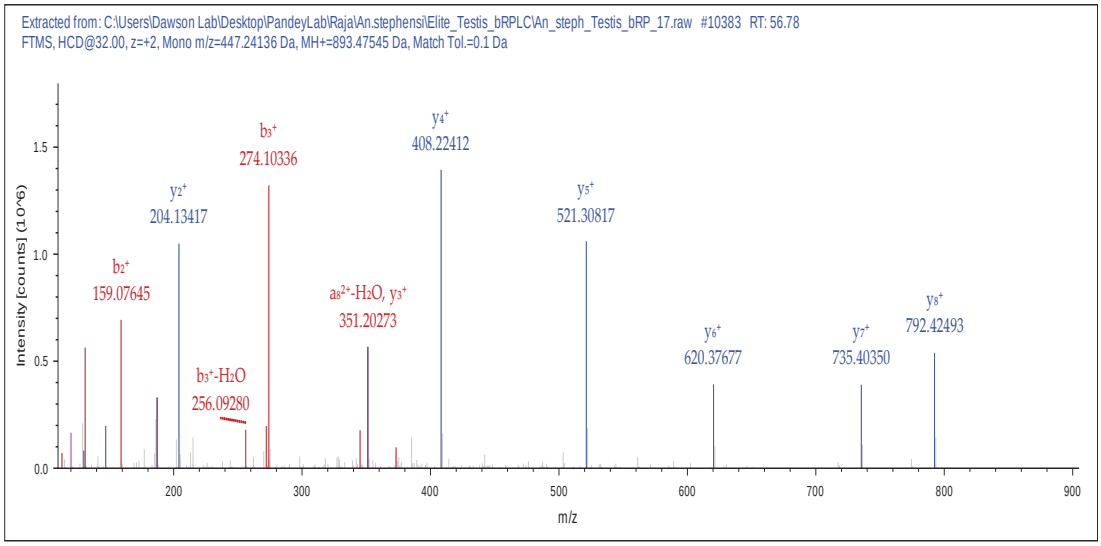

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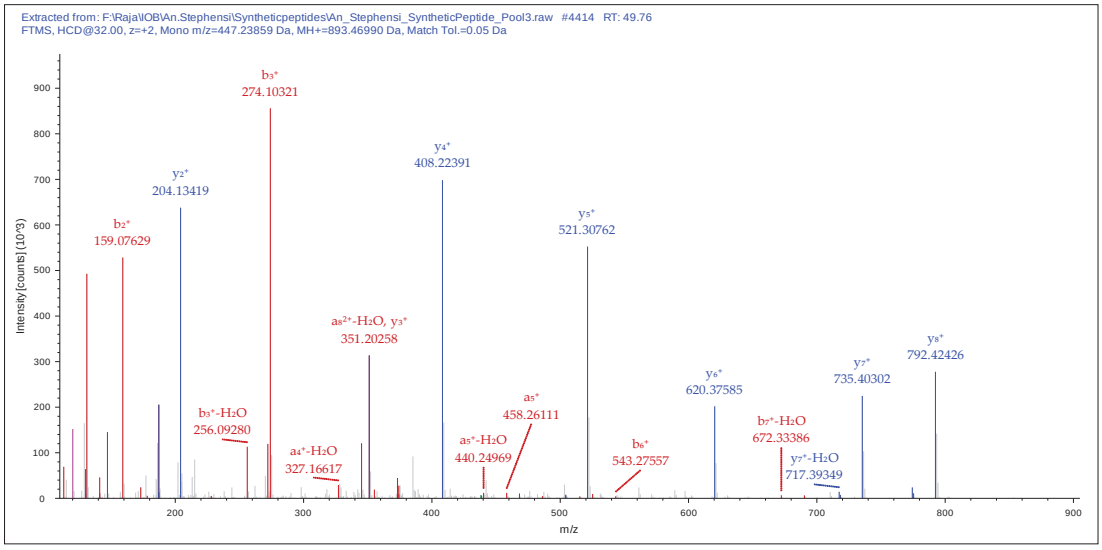

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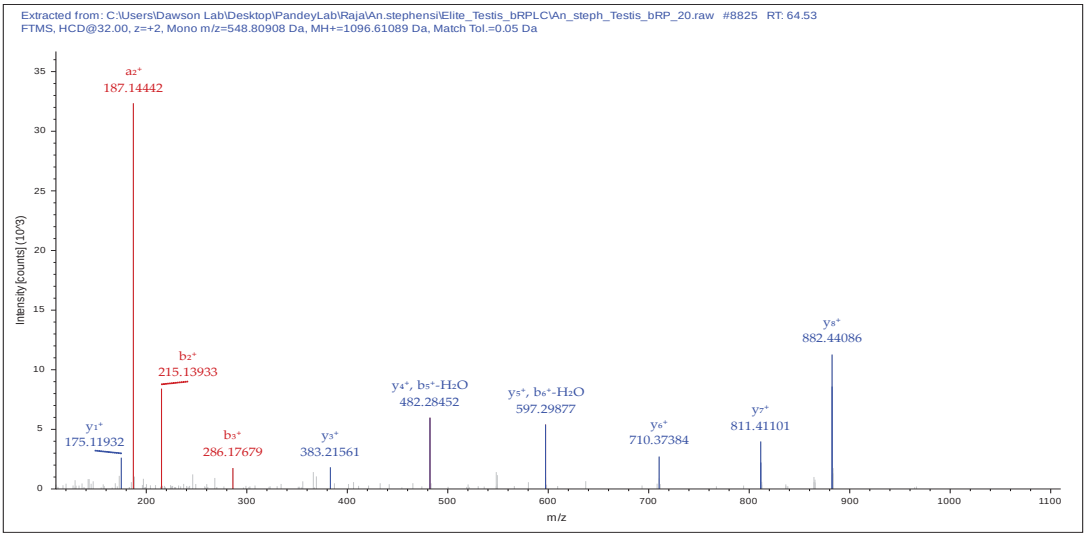

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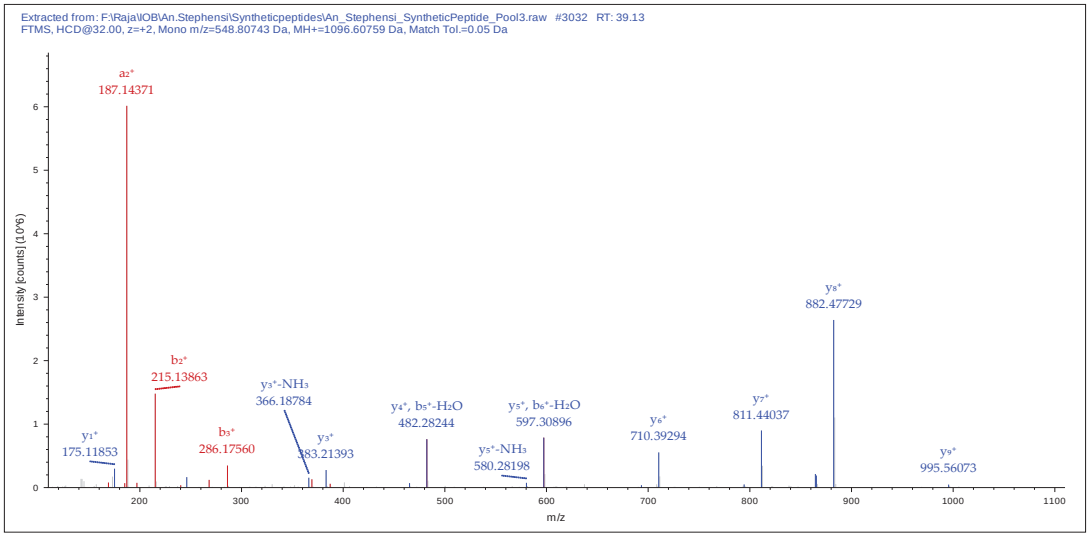

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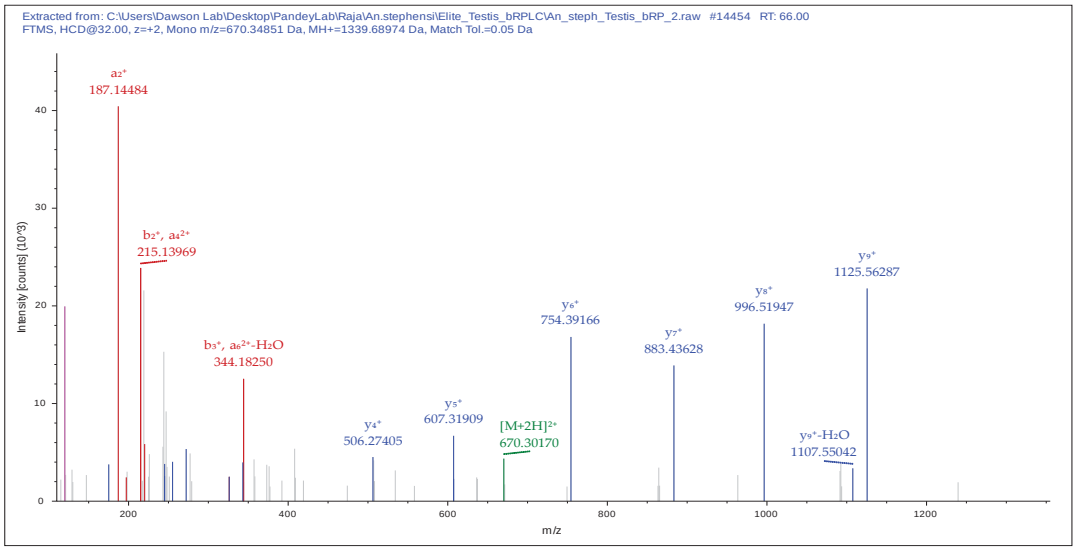

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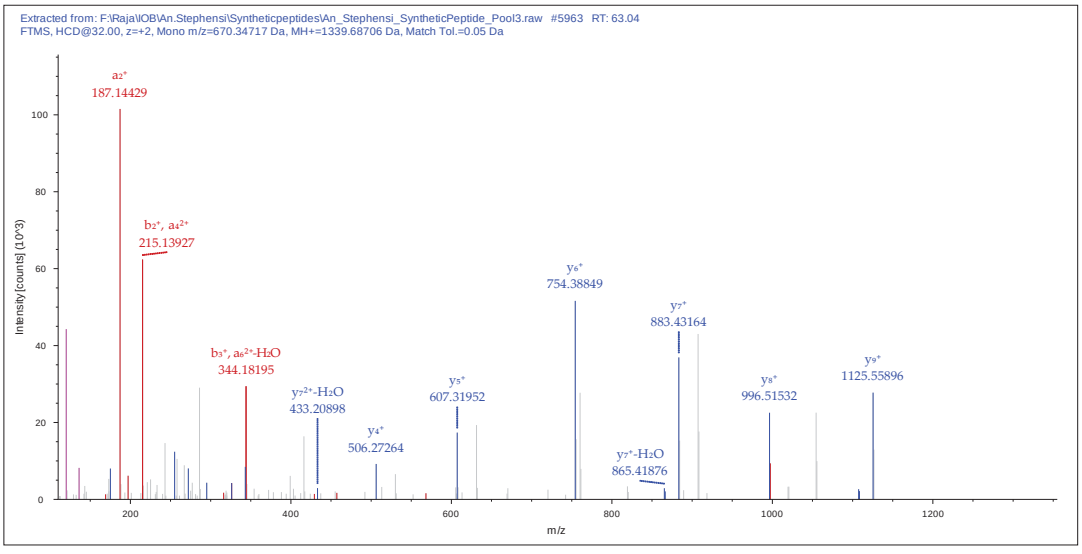

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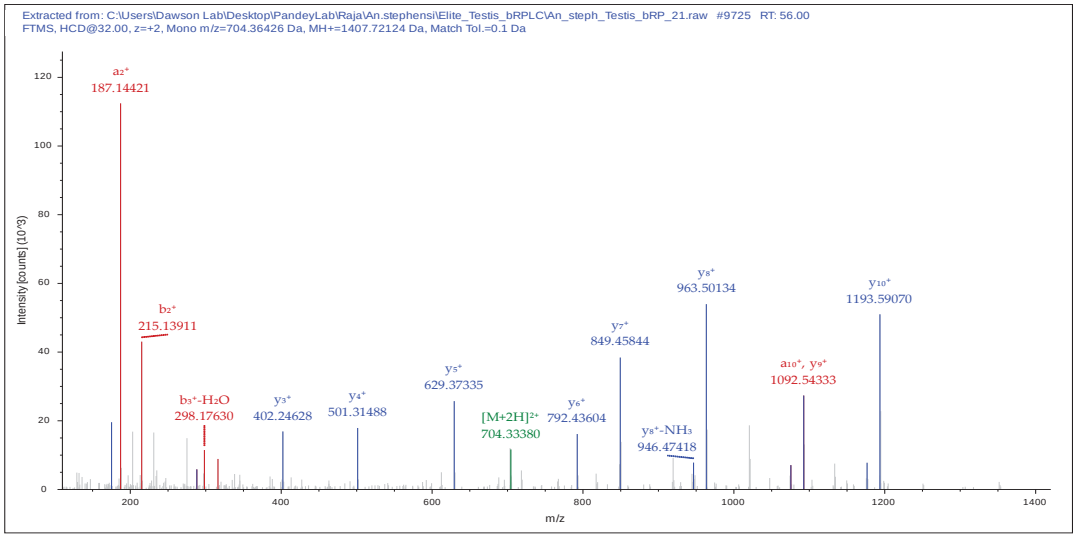

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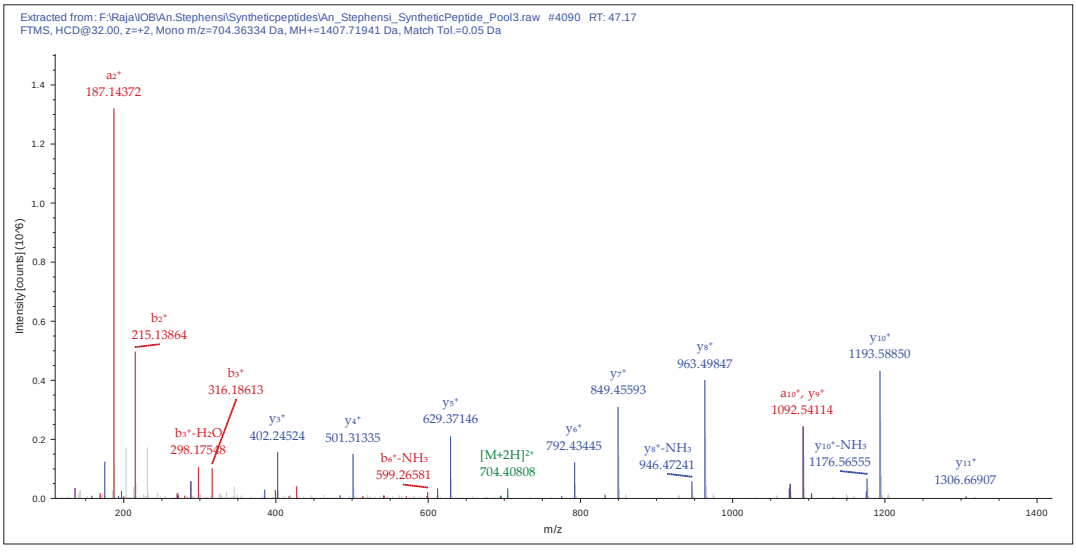

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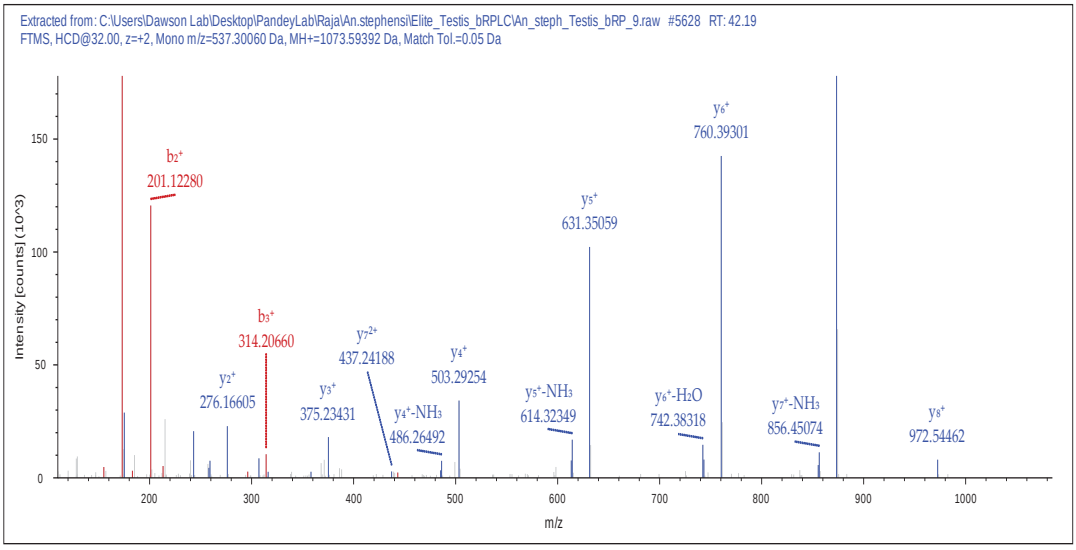

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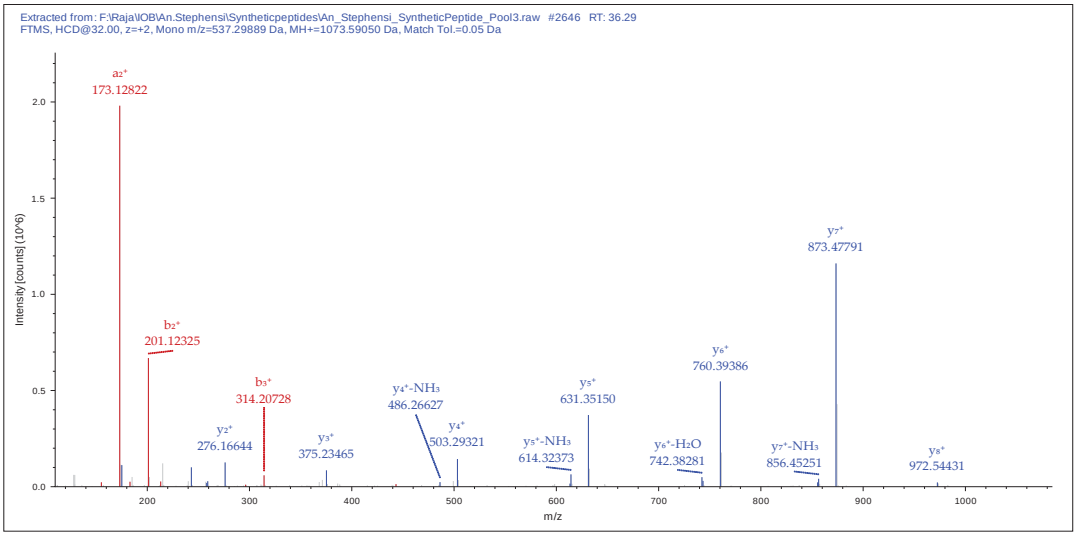

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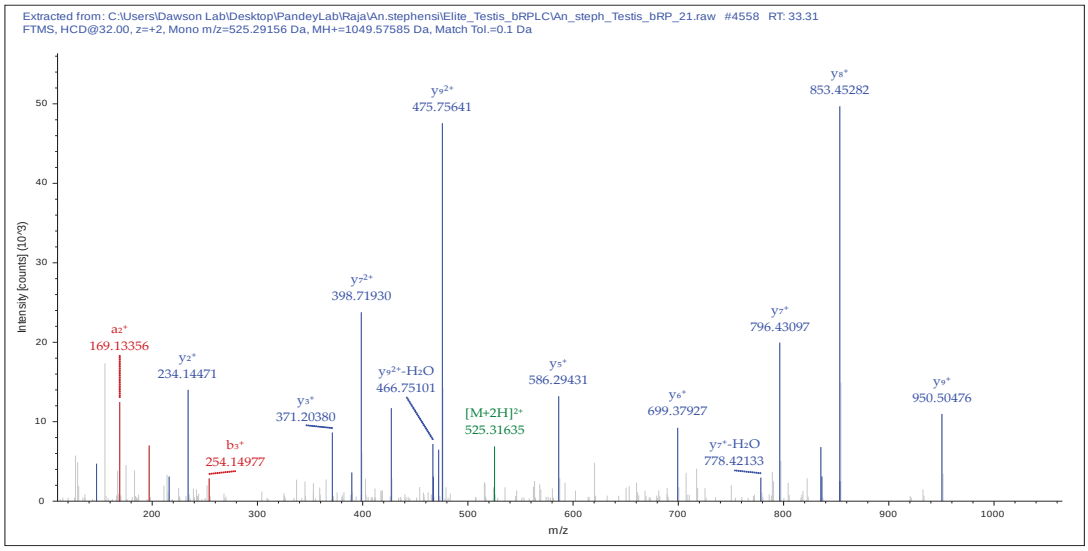

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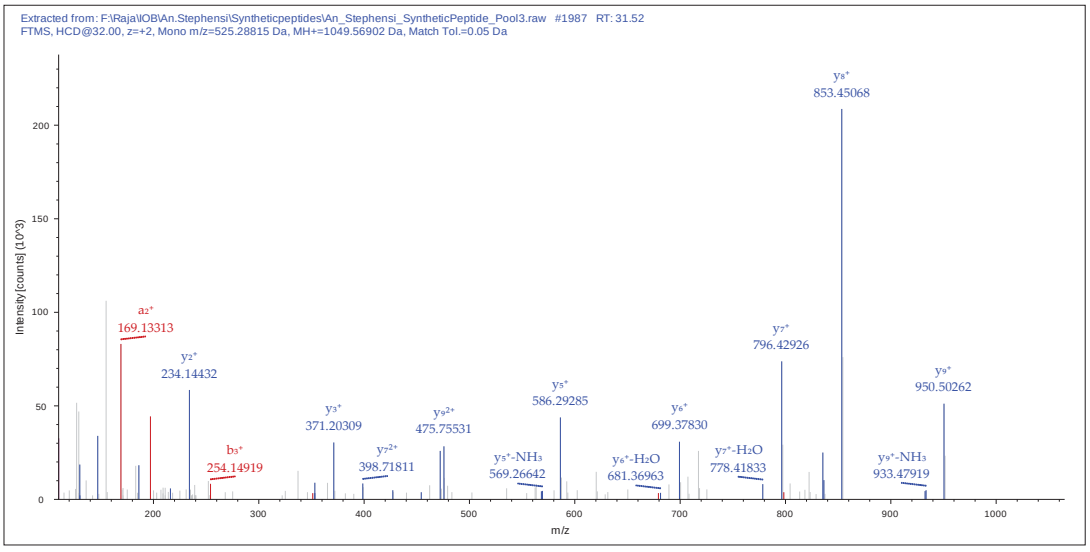

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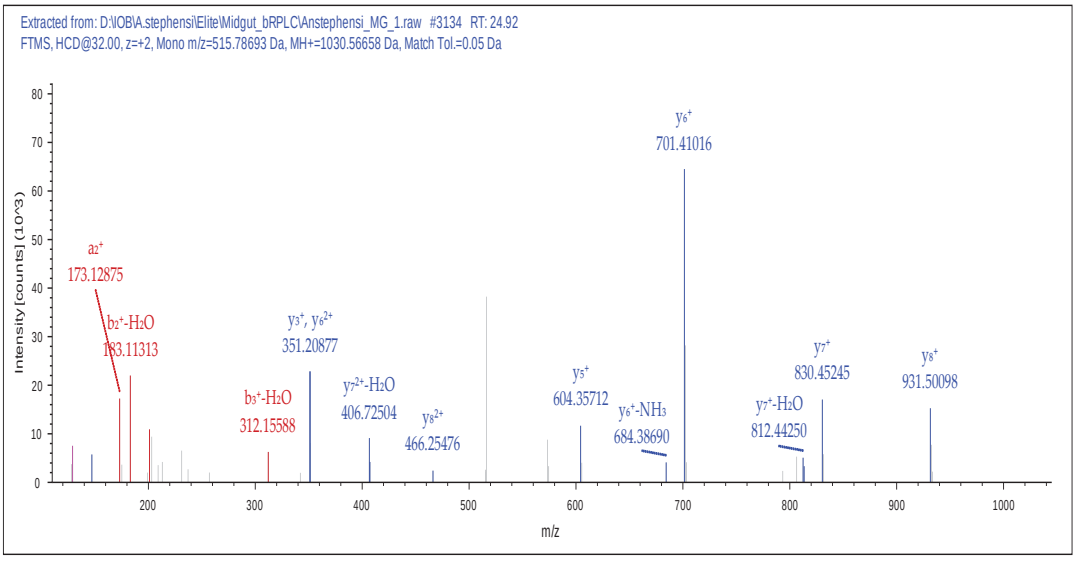

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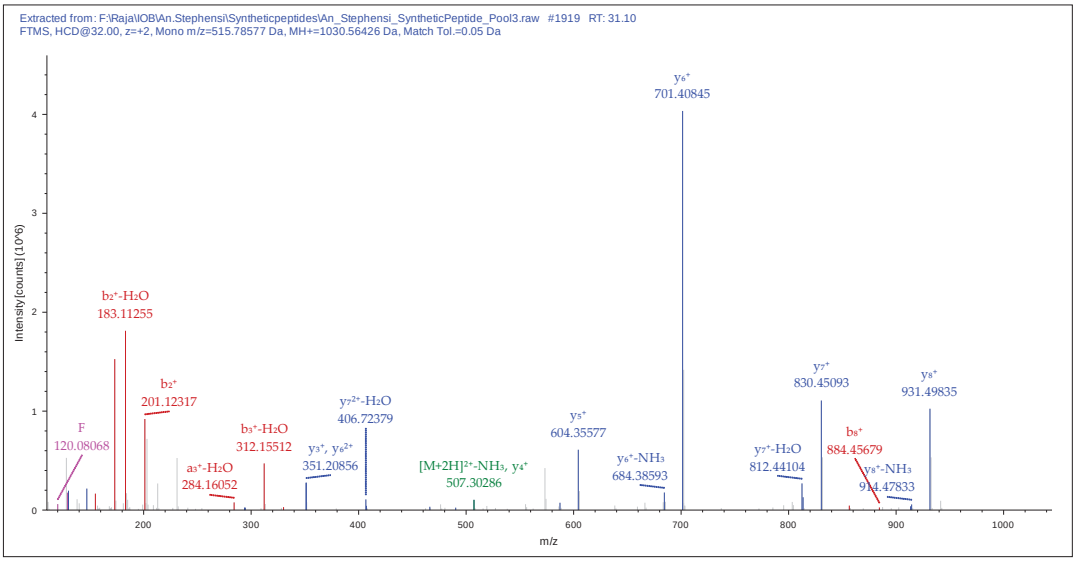

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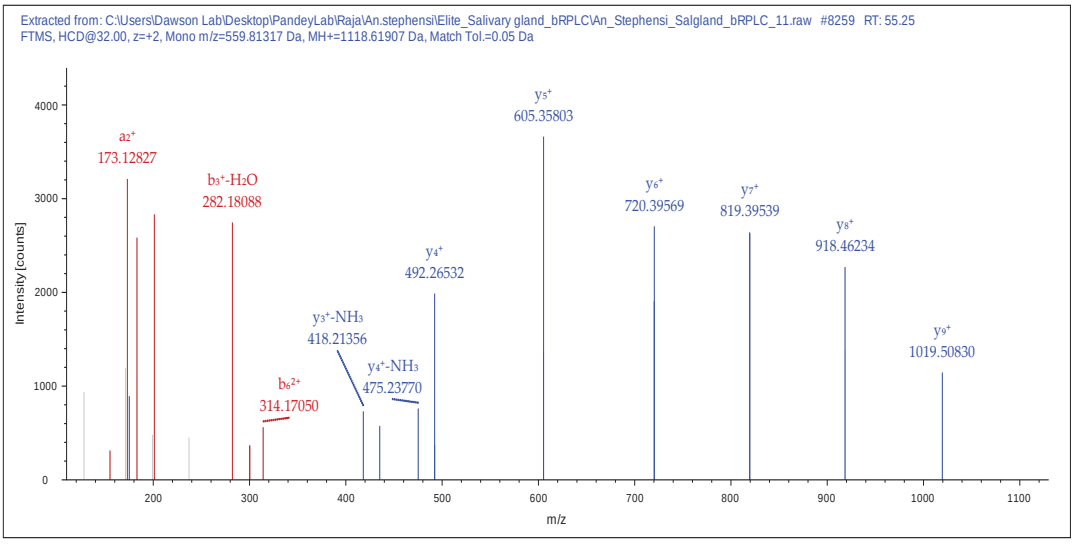

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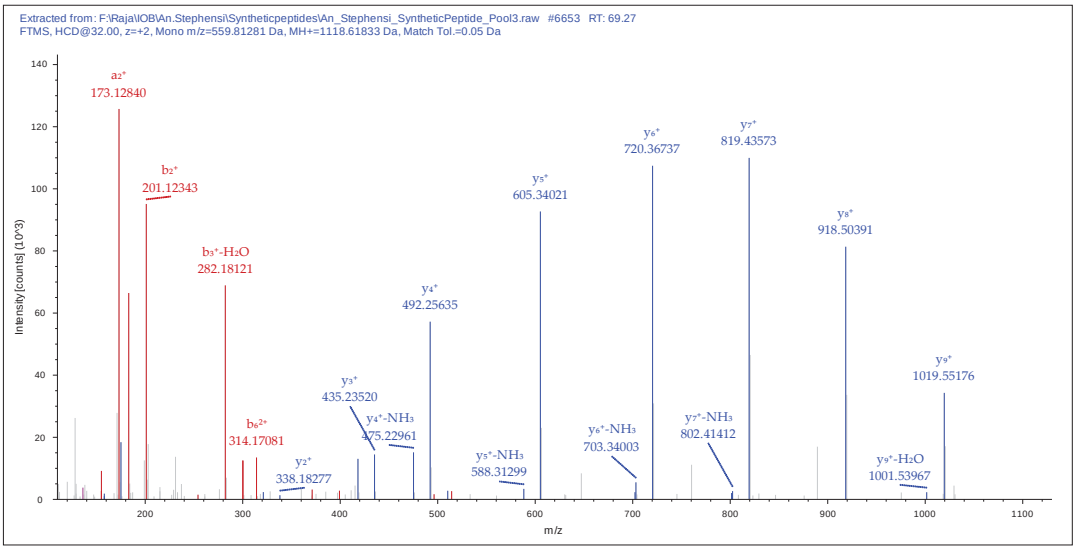

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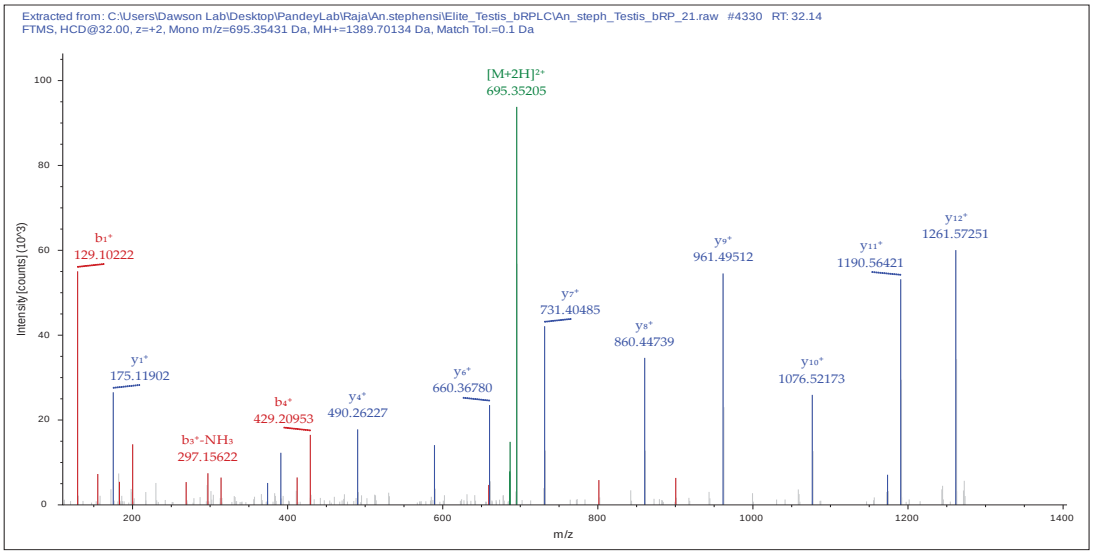

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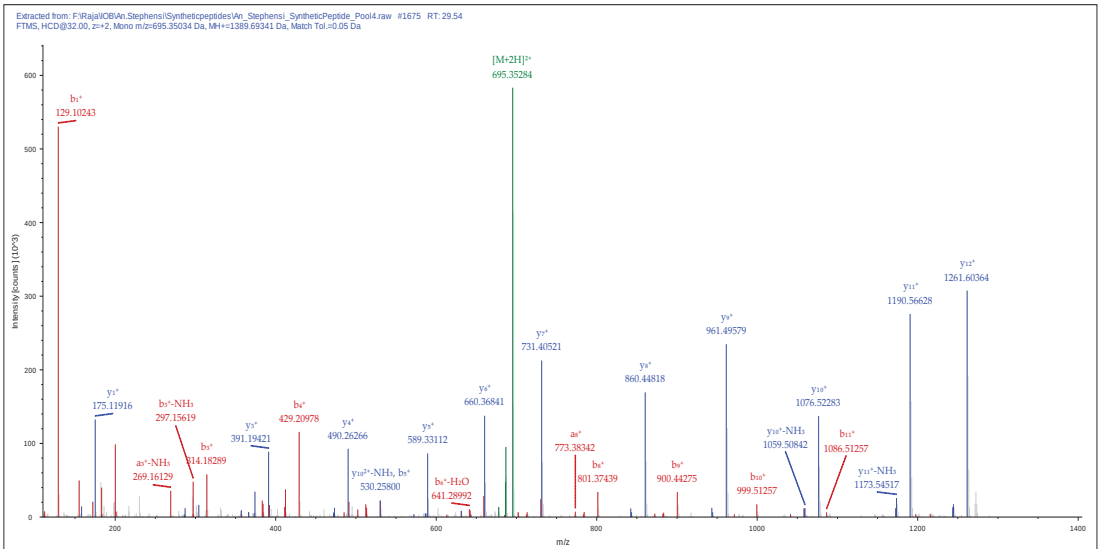

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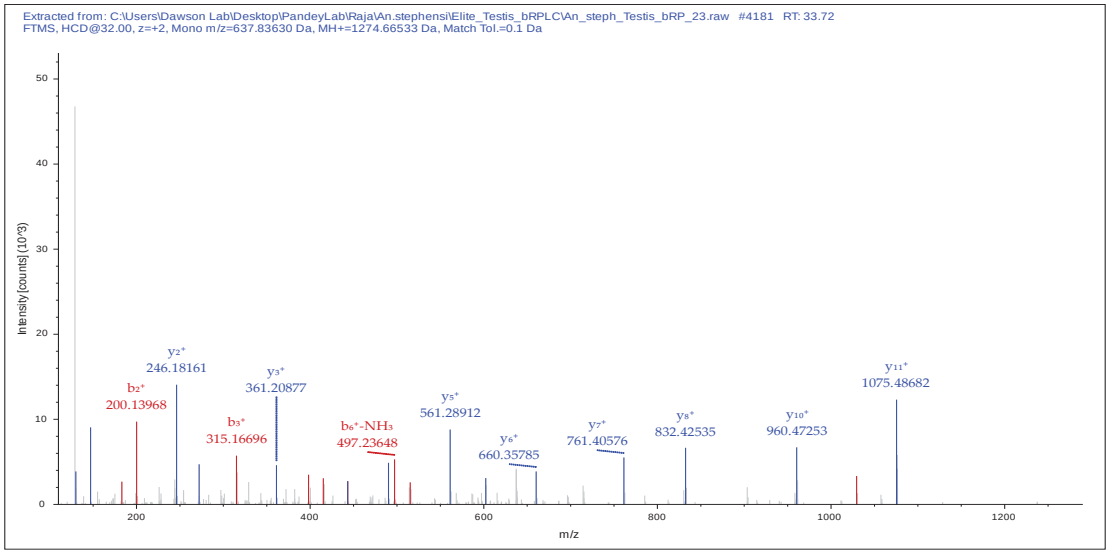

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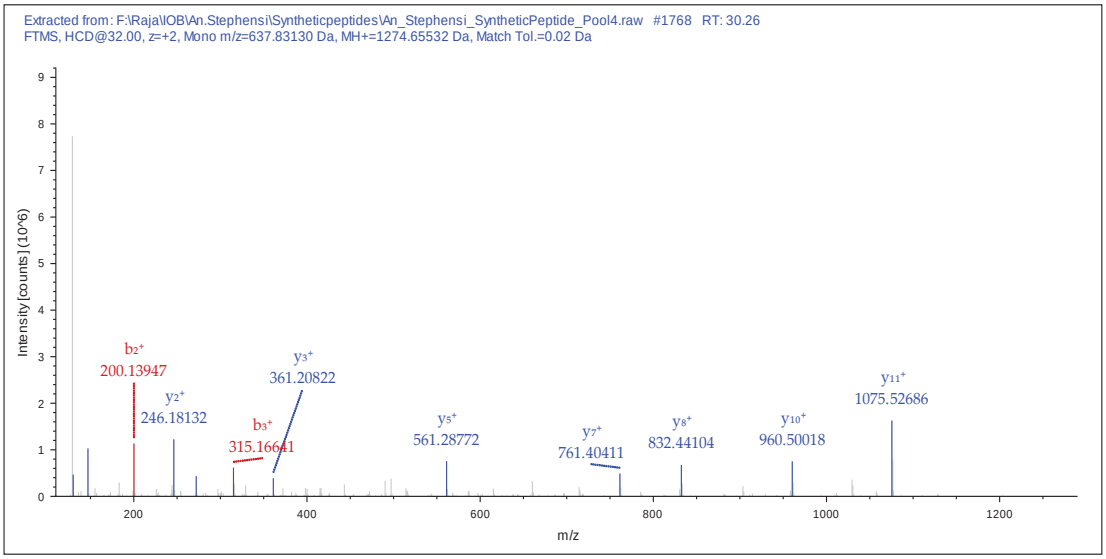

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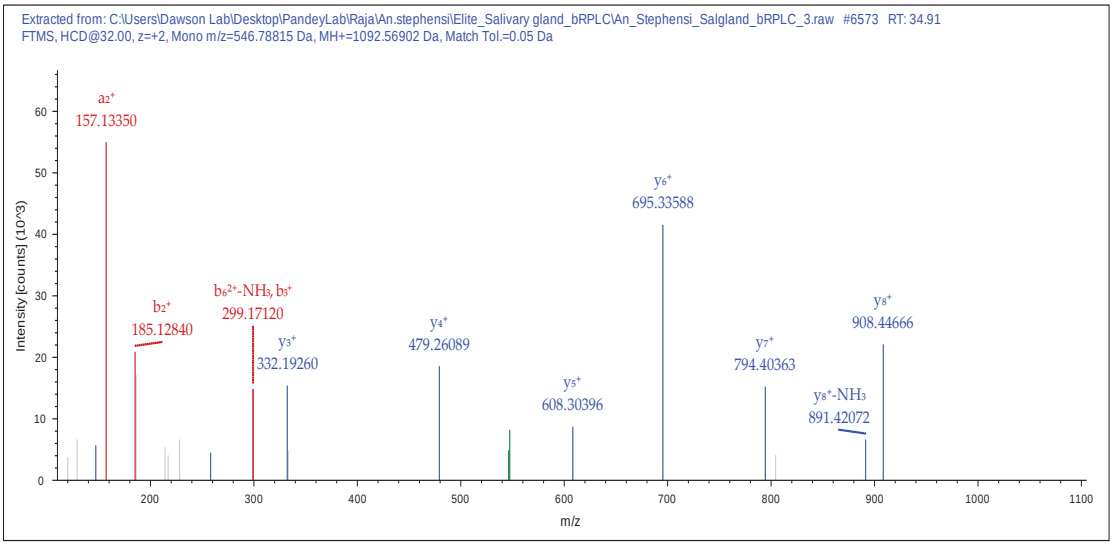

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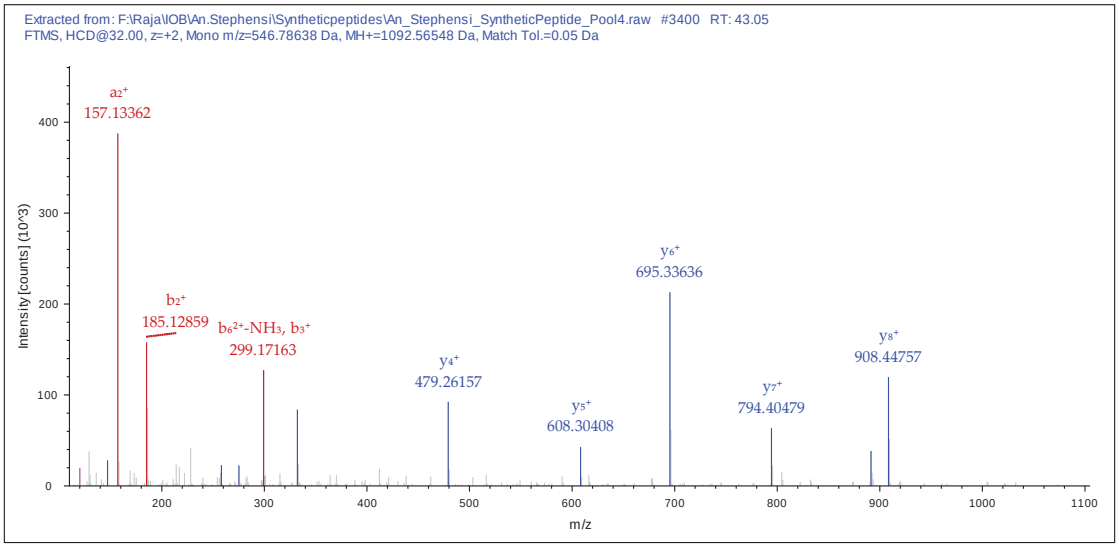

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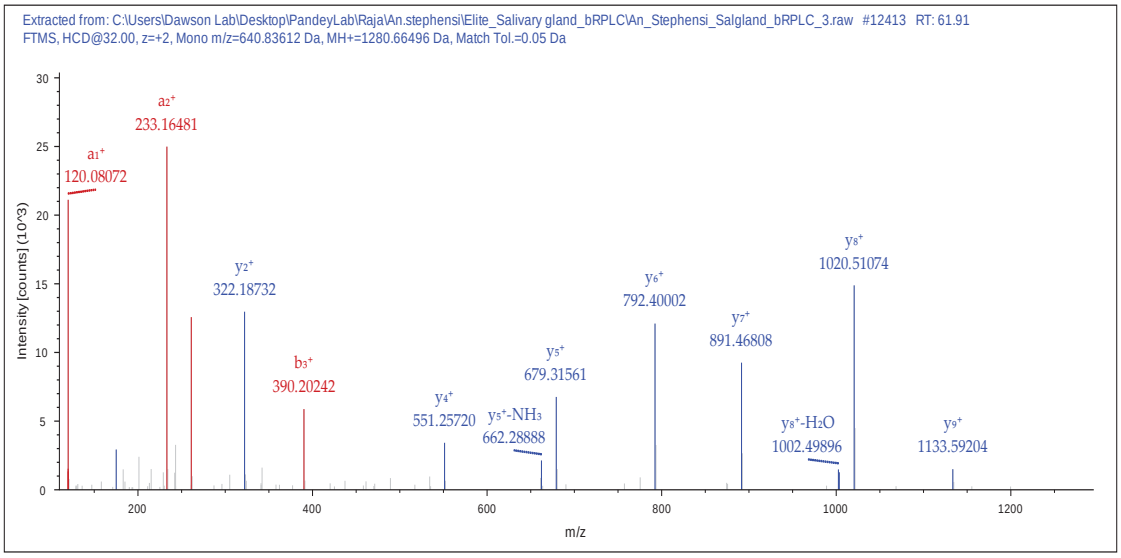

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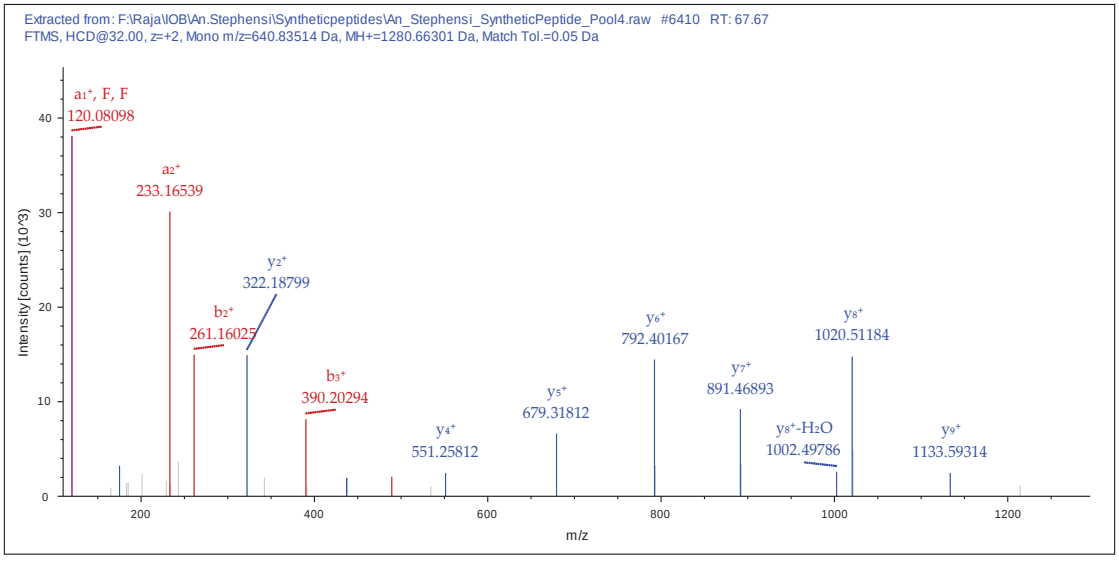

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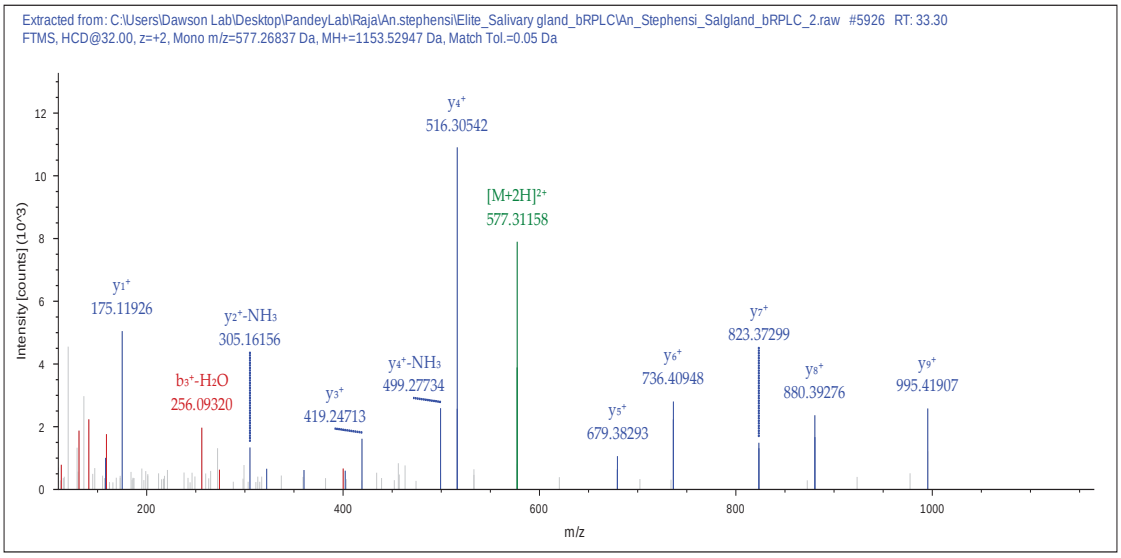

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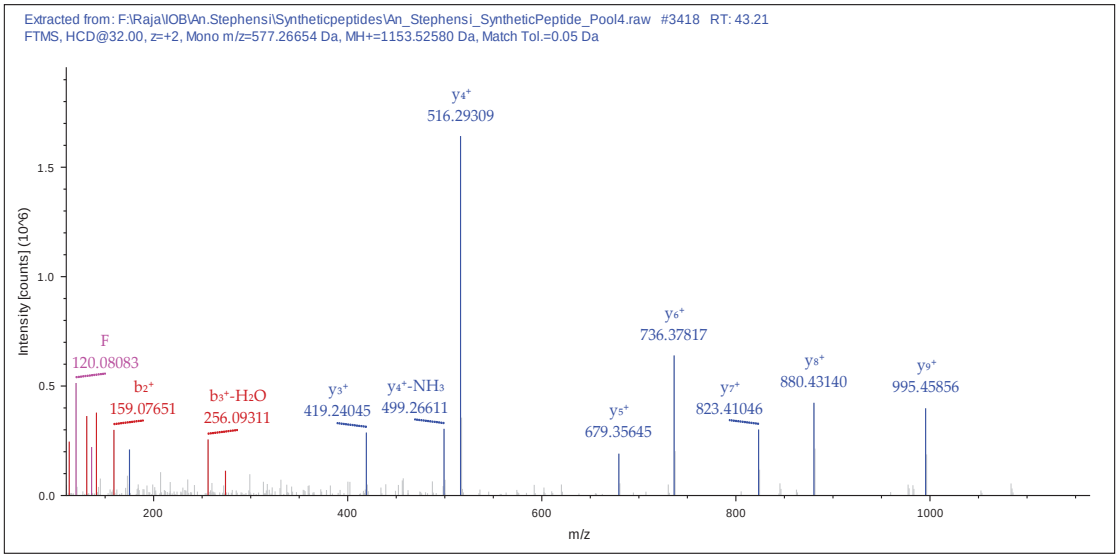

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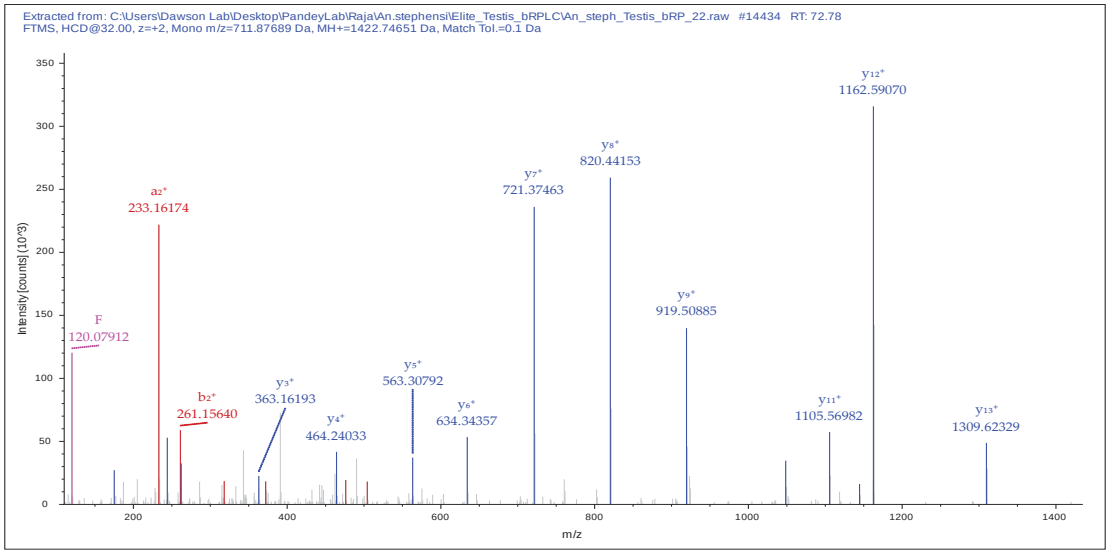

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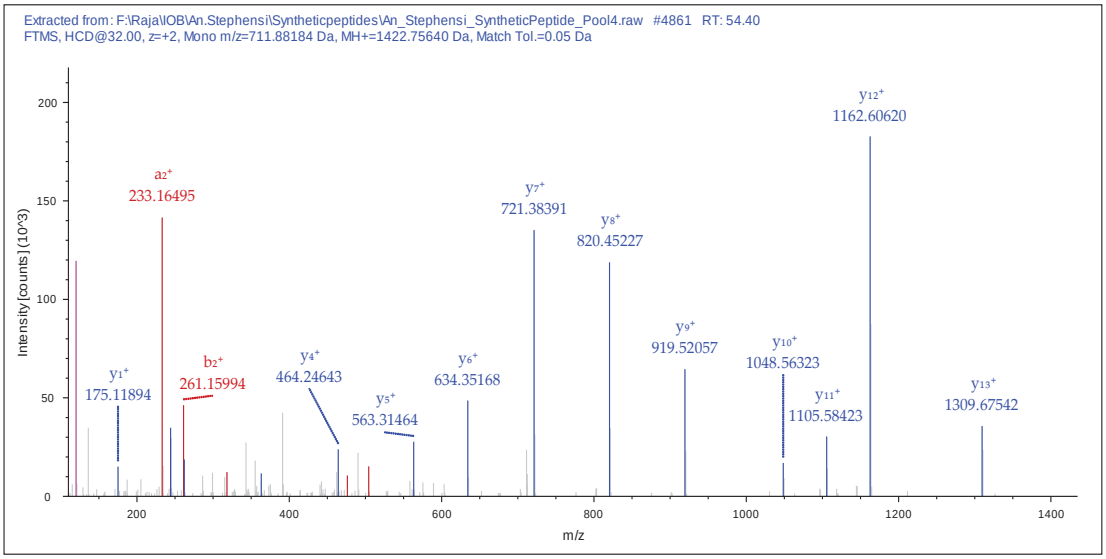

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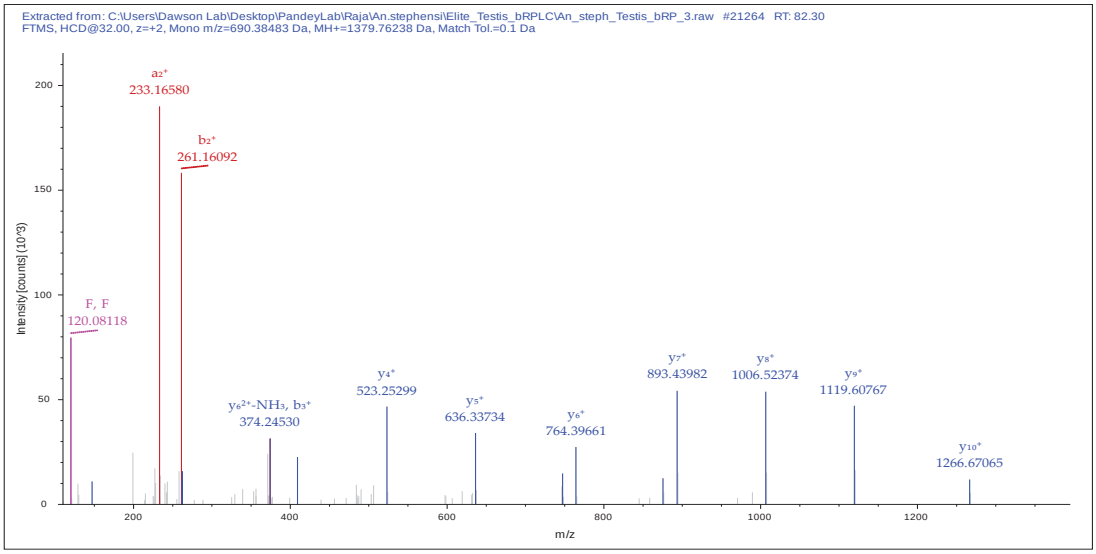

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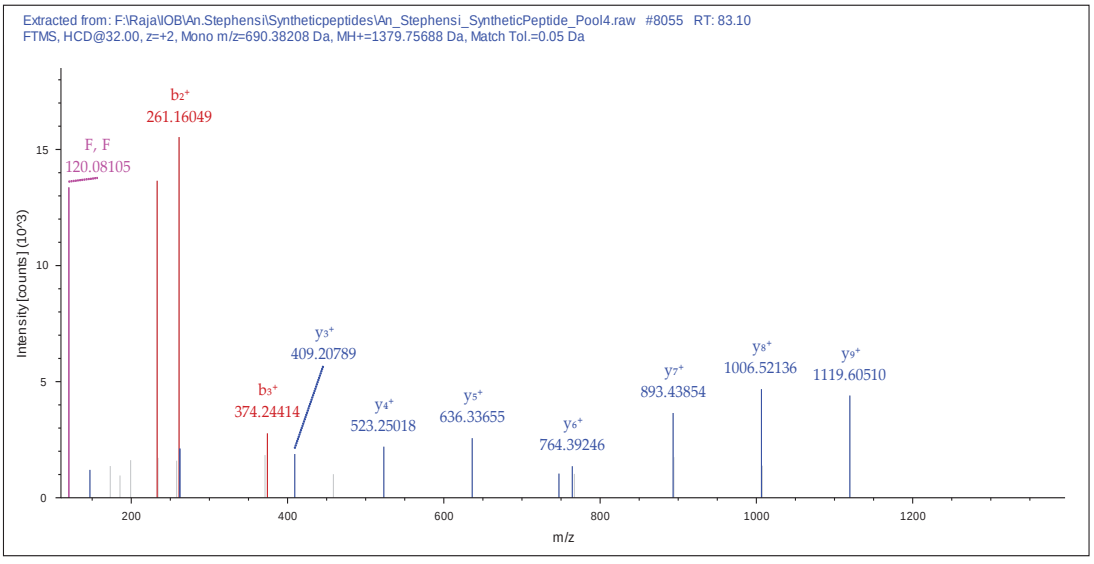

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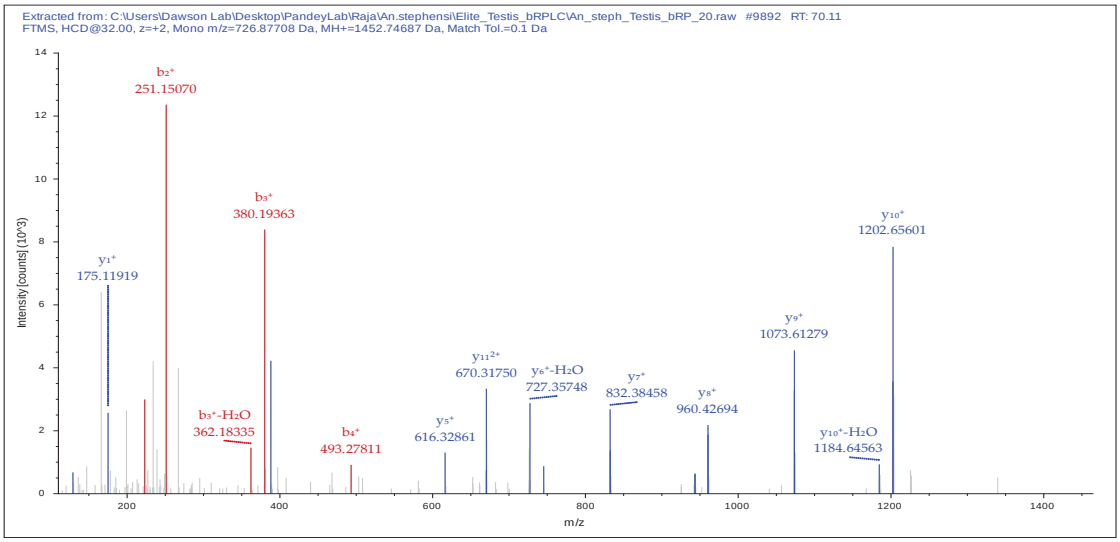

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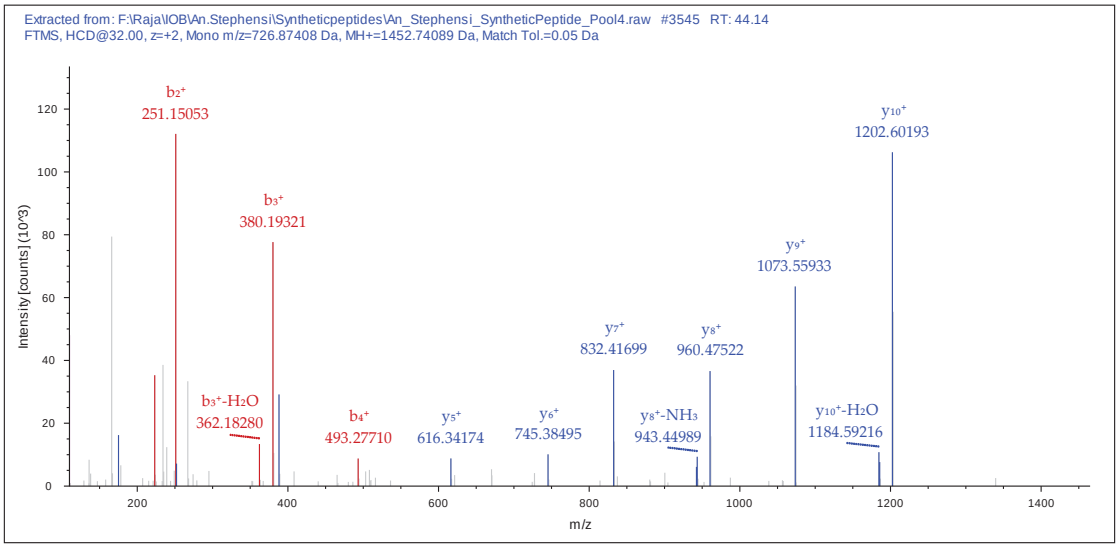

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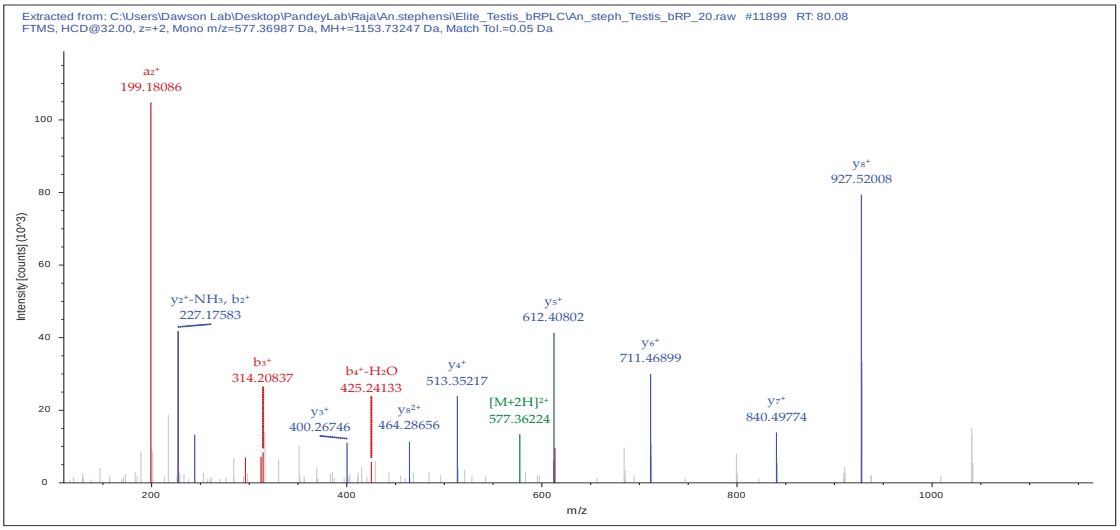

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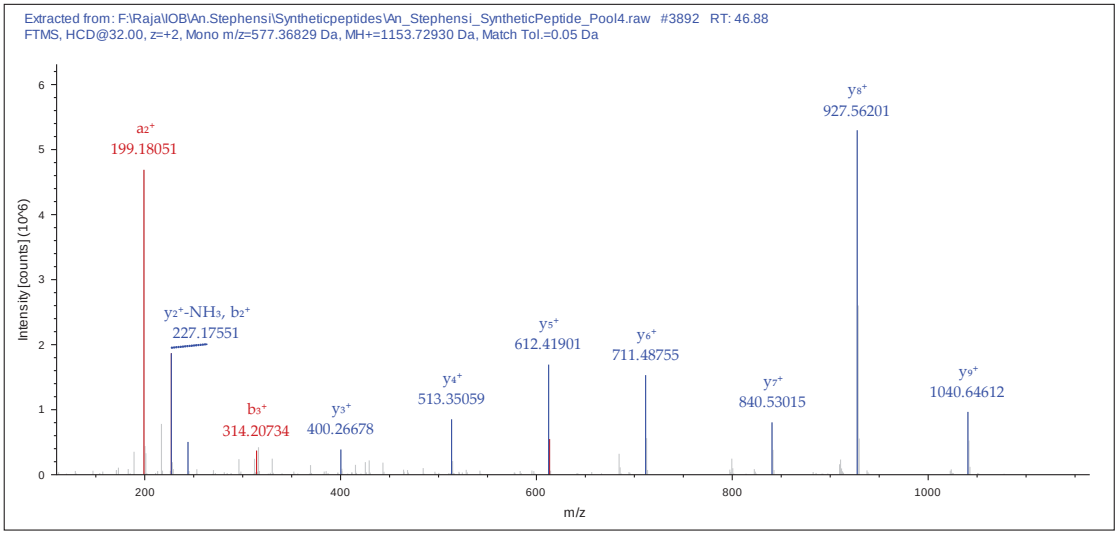

KANDTEAAVVSER

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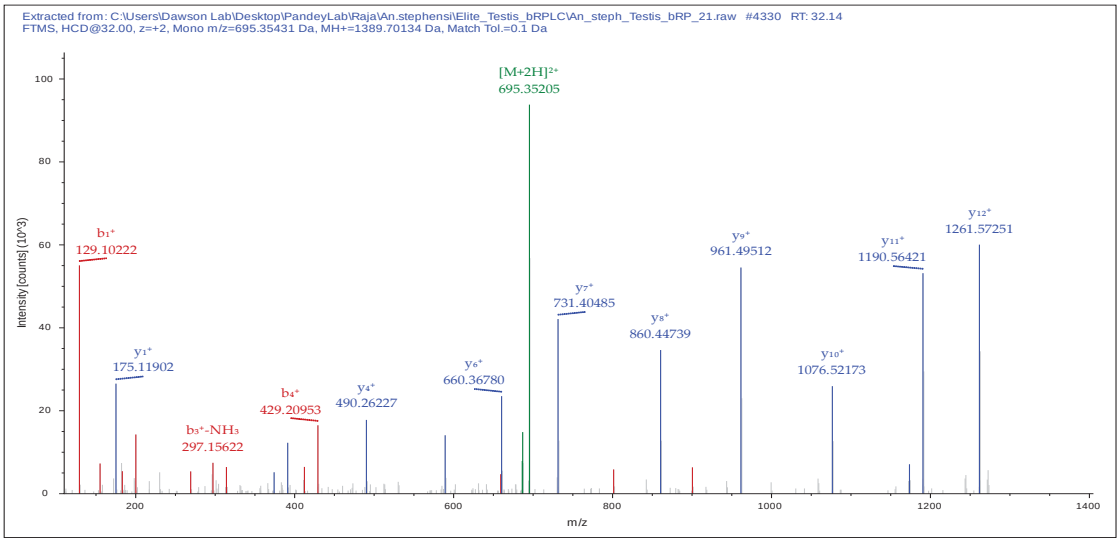

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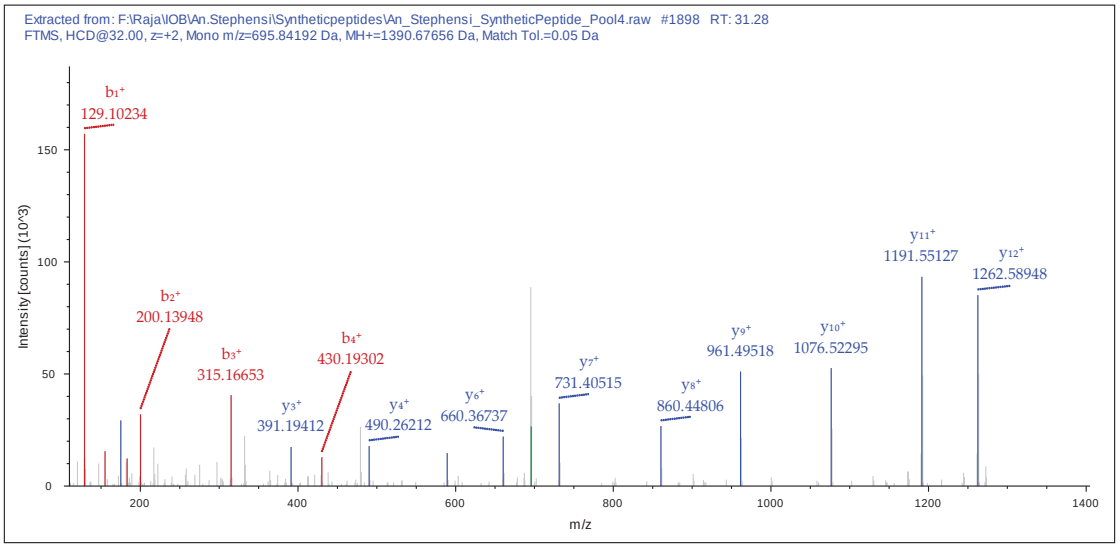

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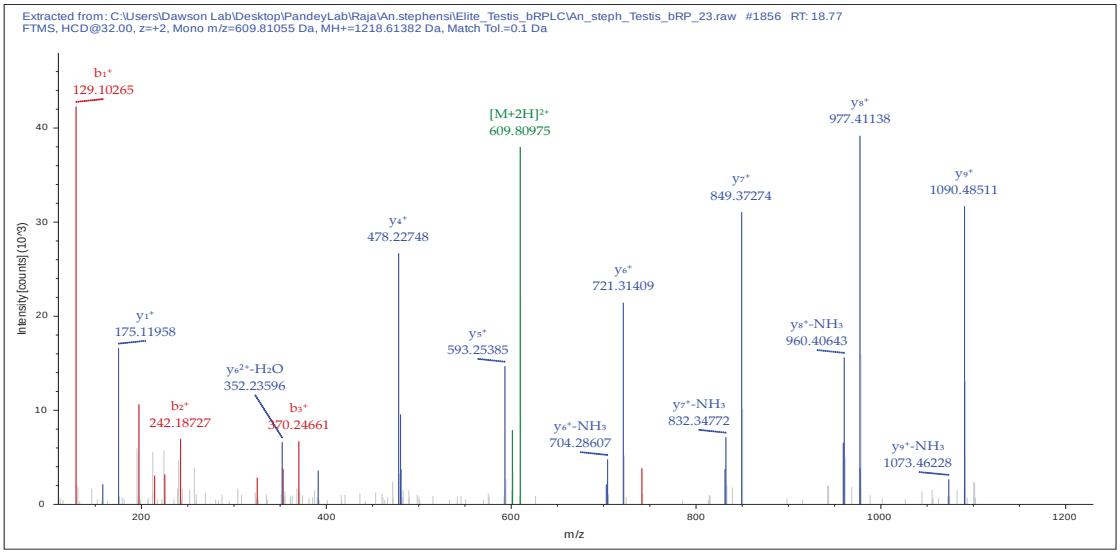

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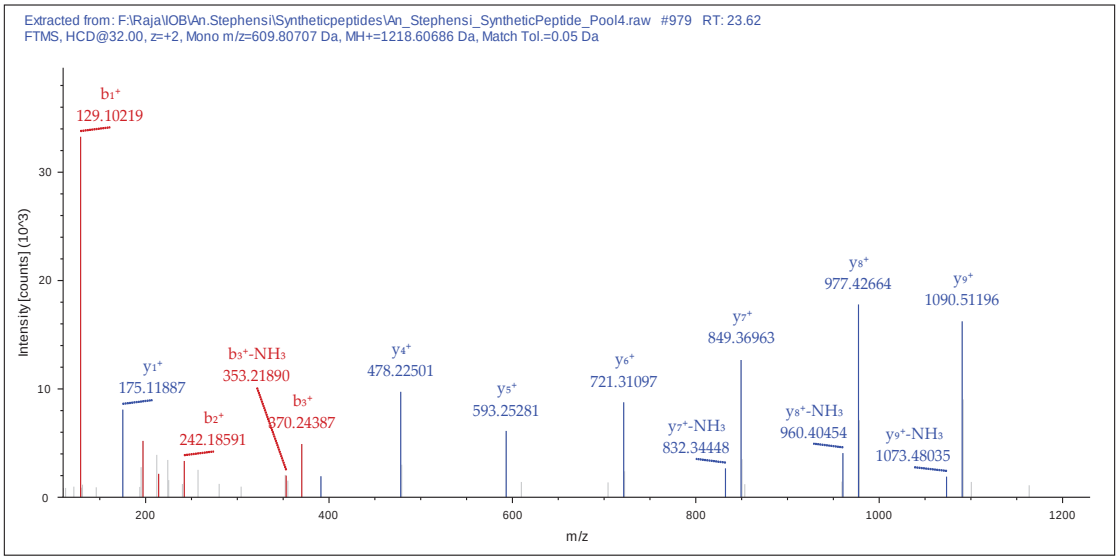

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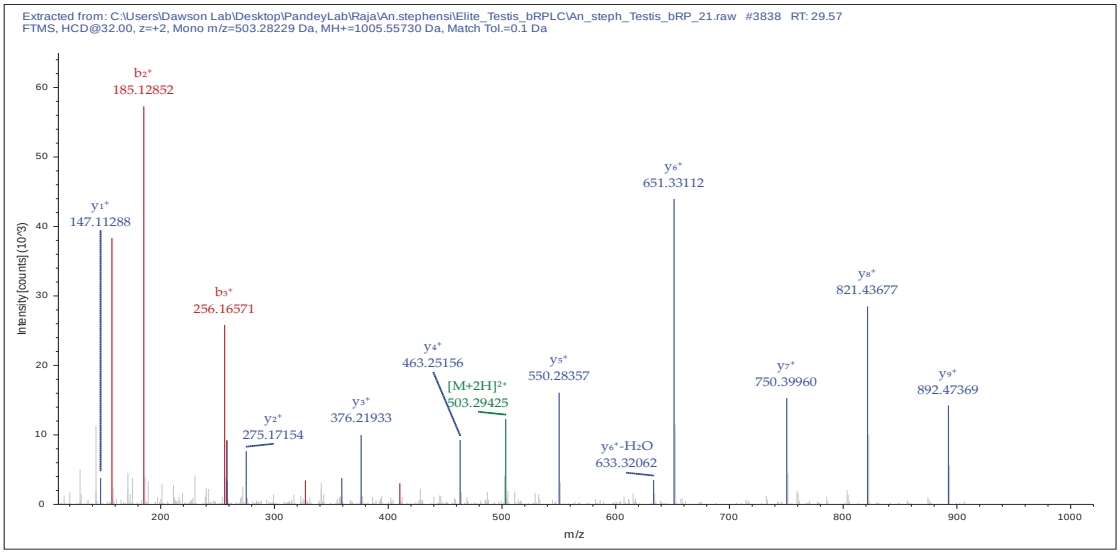

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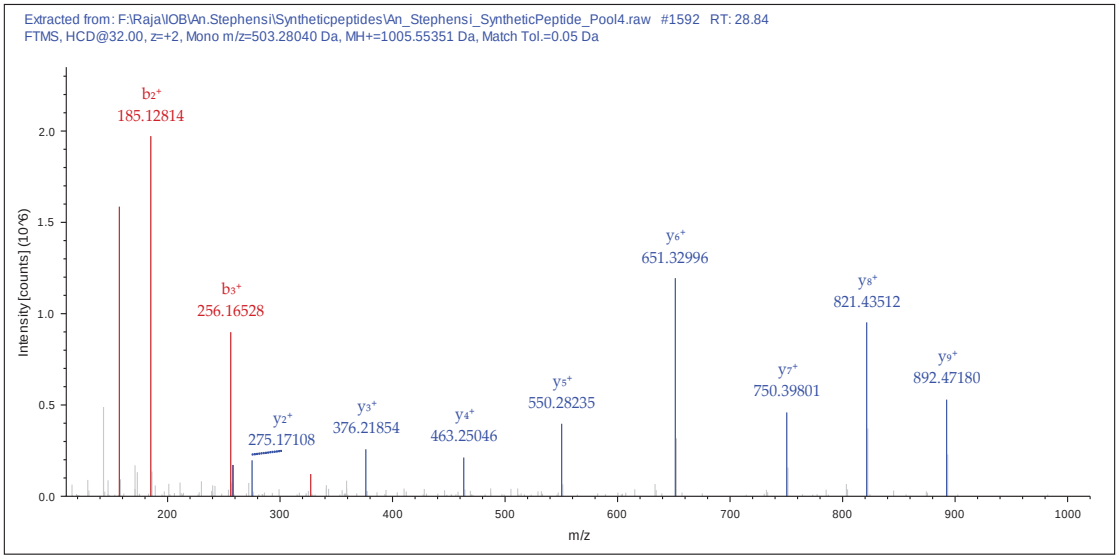

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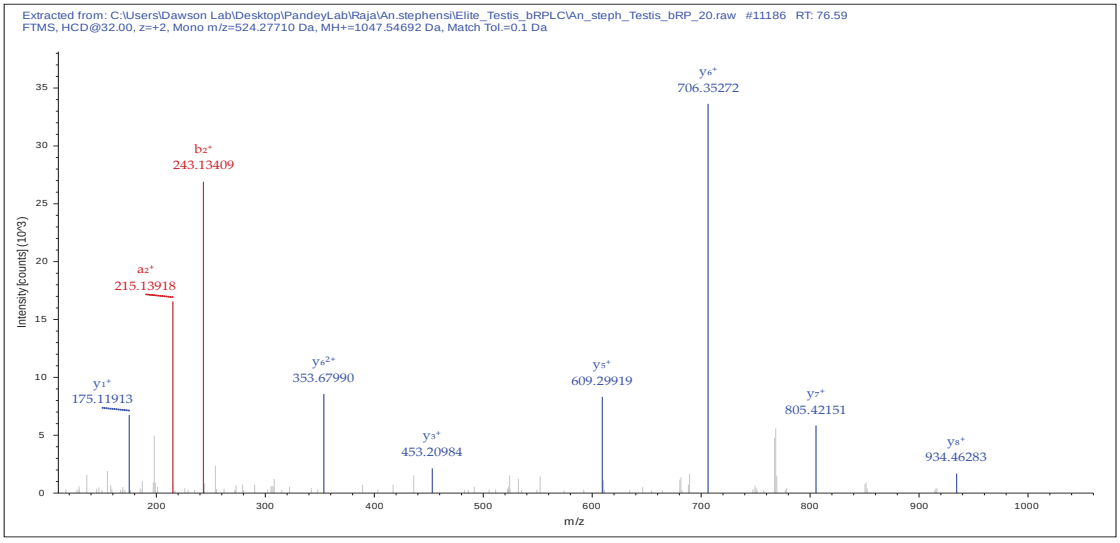

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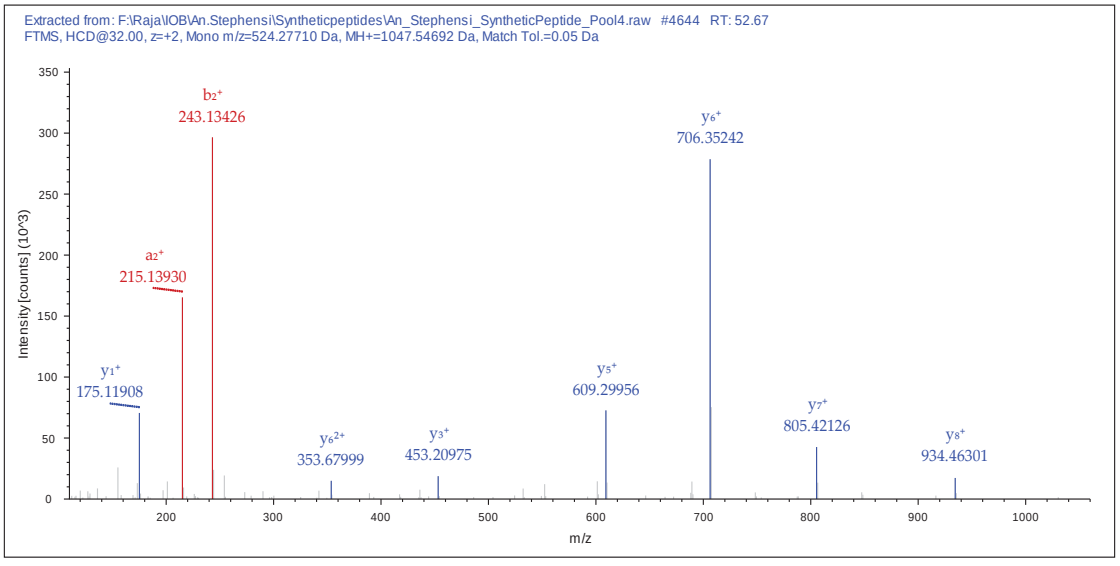

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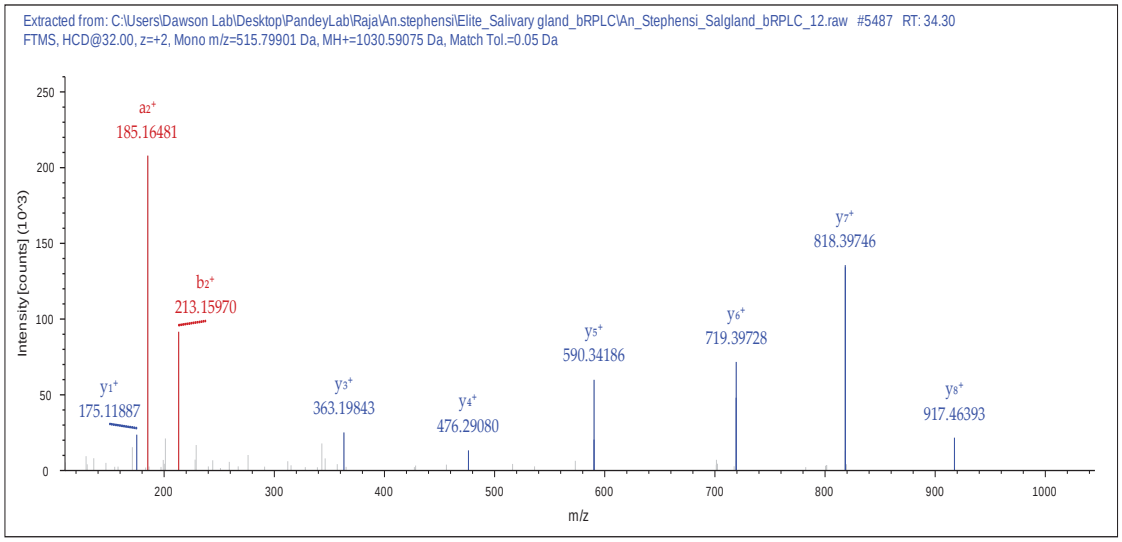

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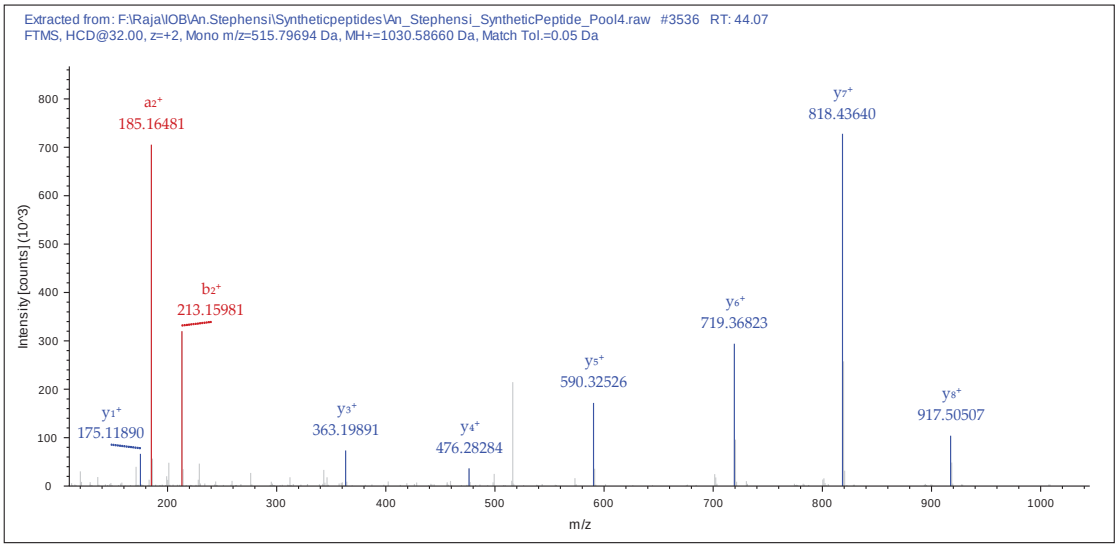

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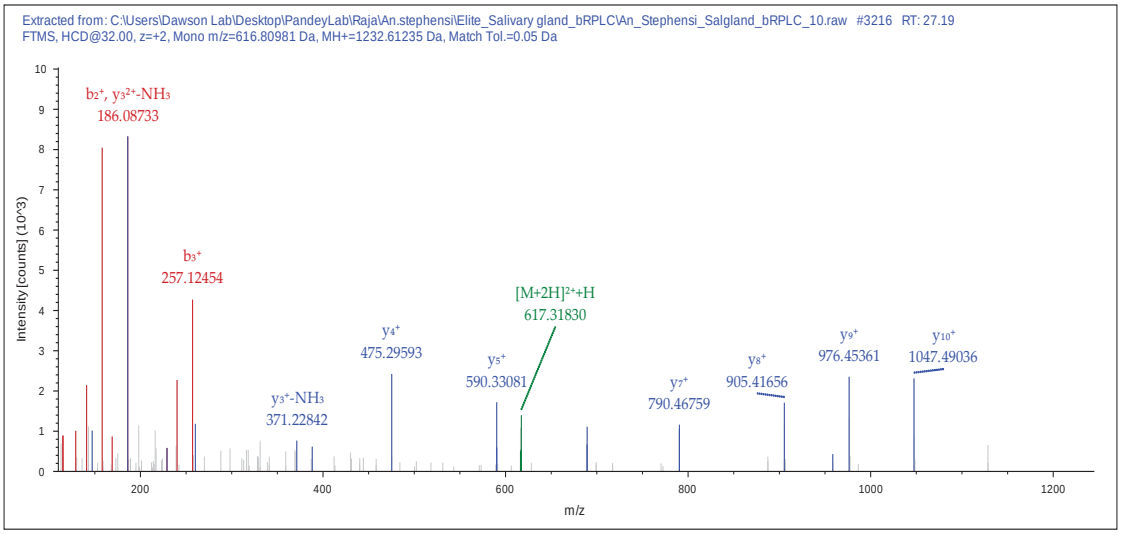

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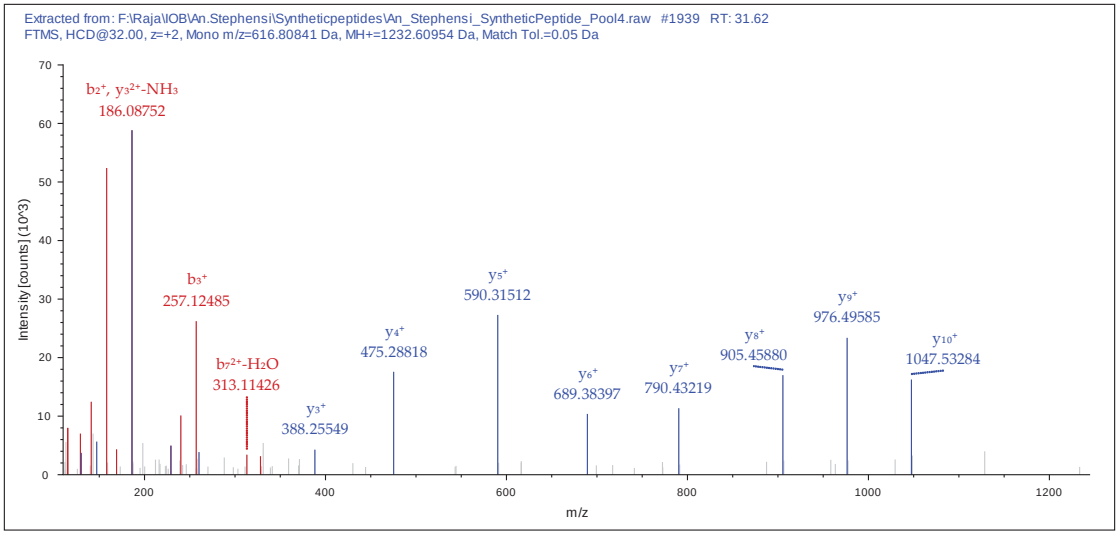

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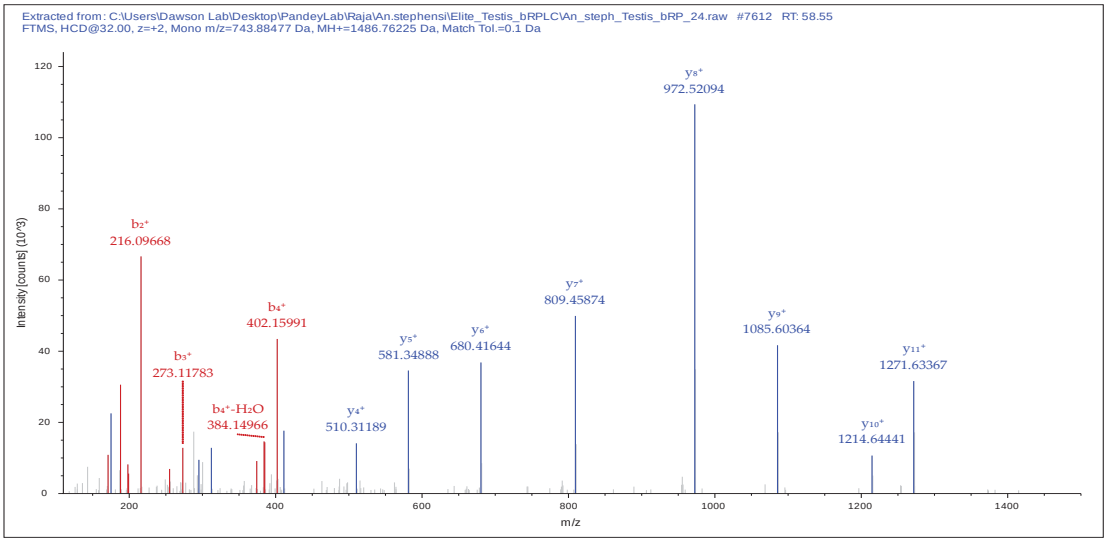

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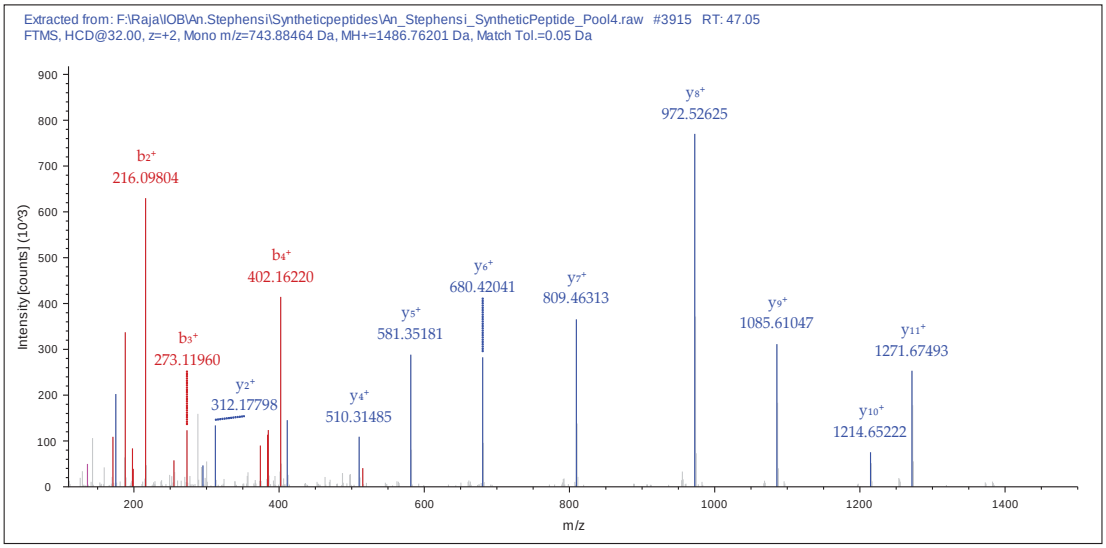

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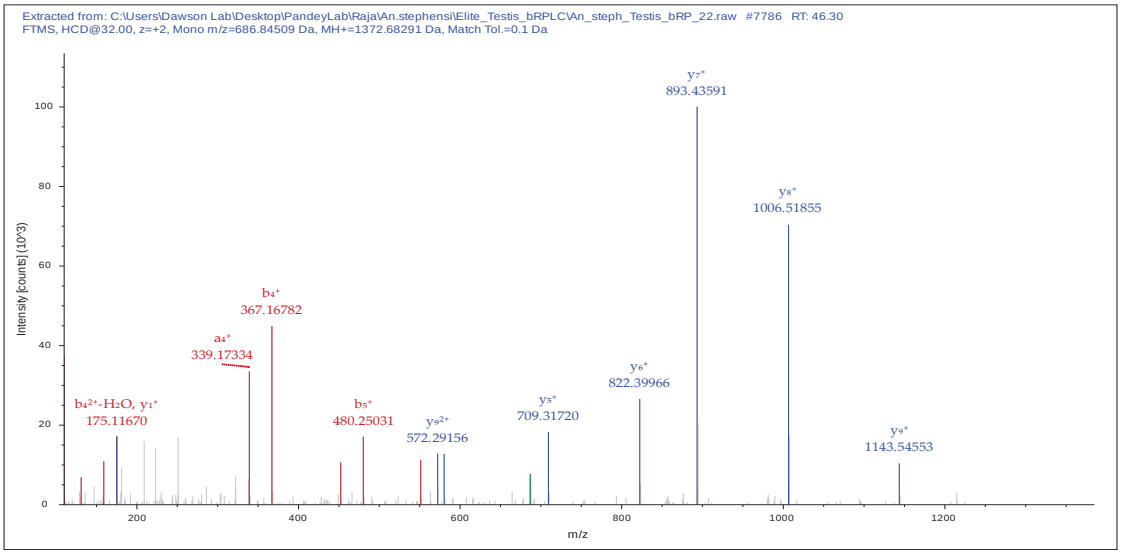

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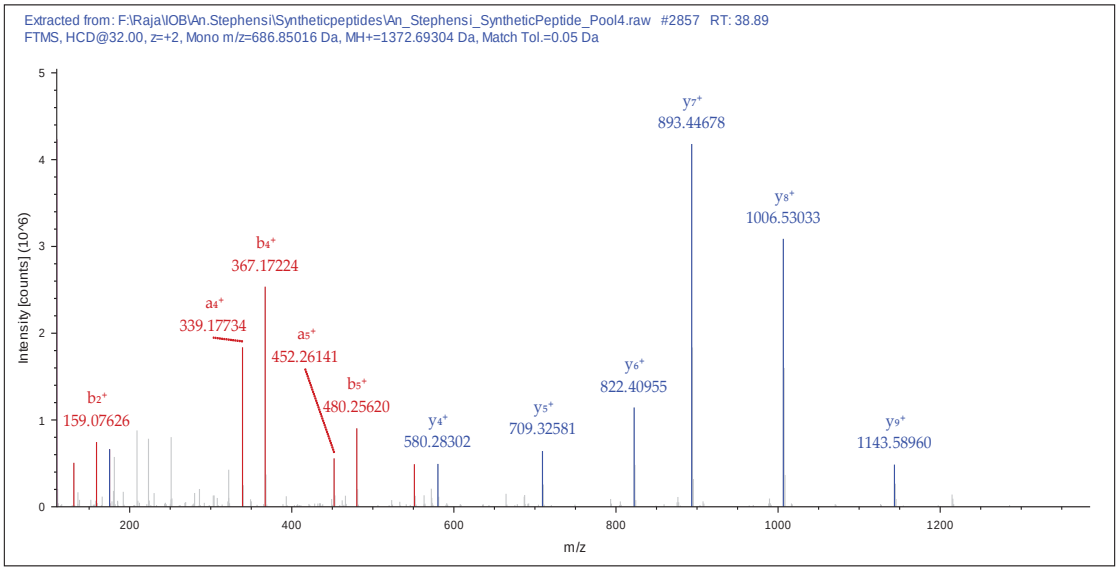

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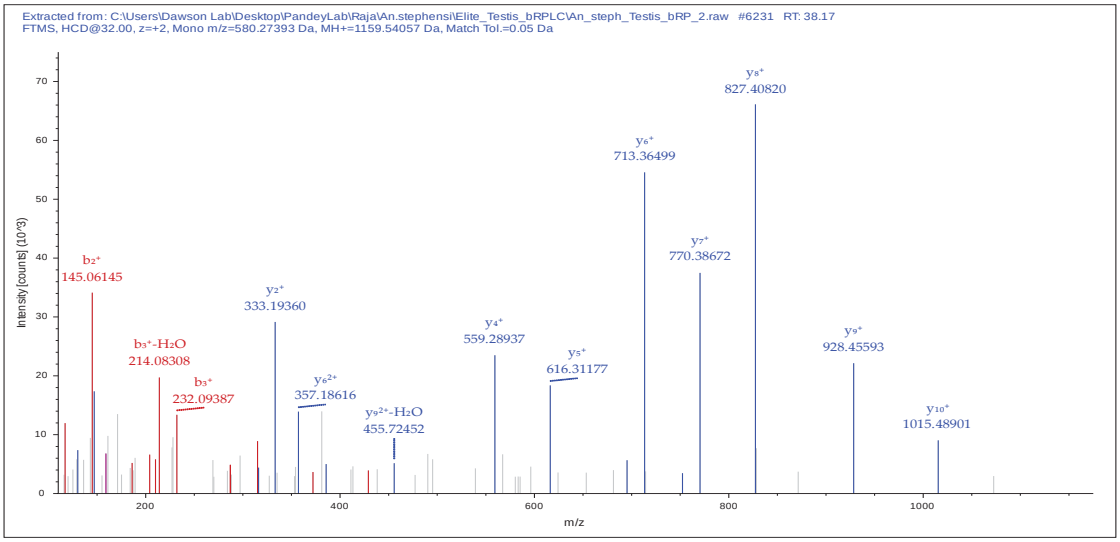

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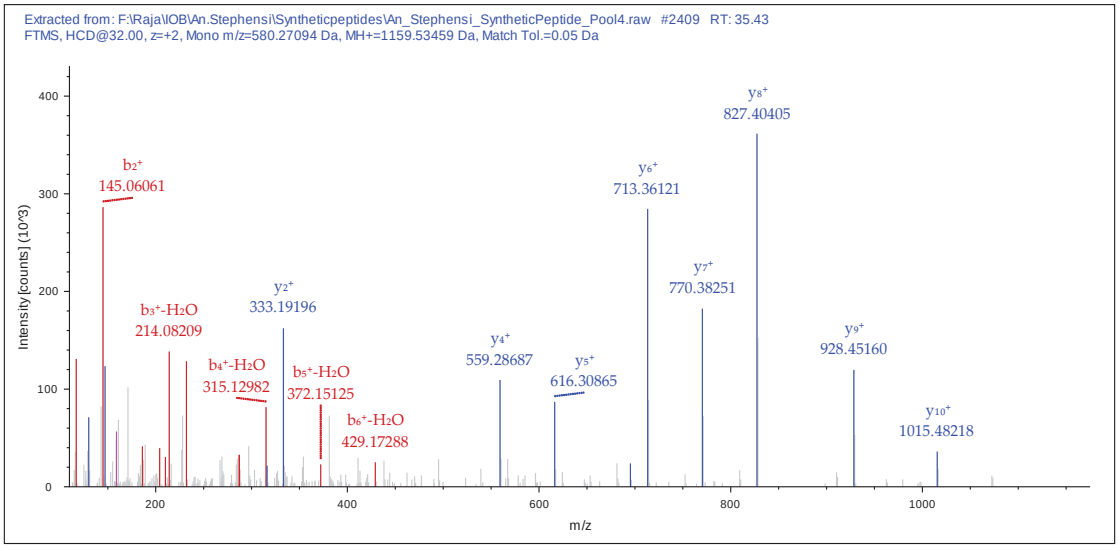

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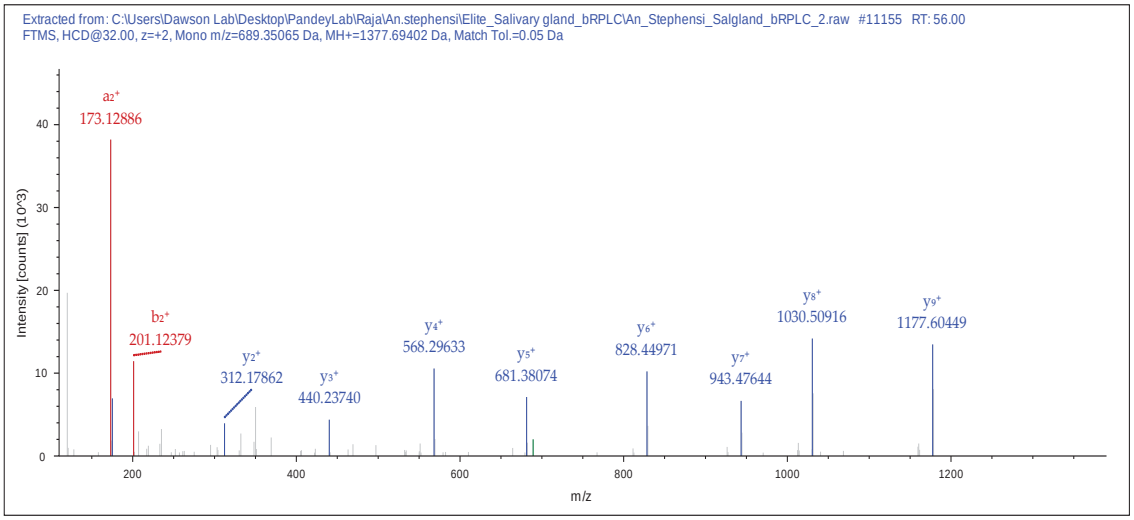

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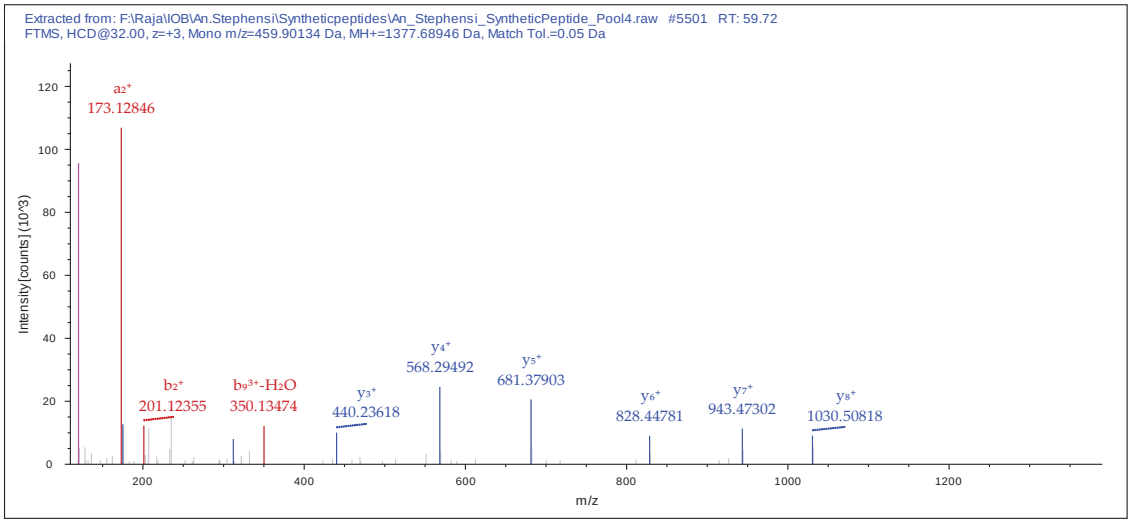

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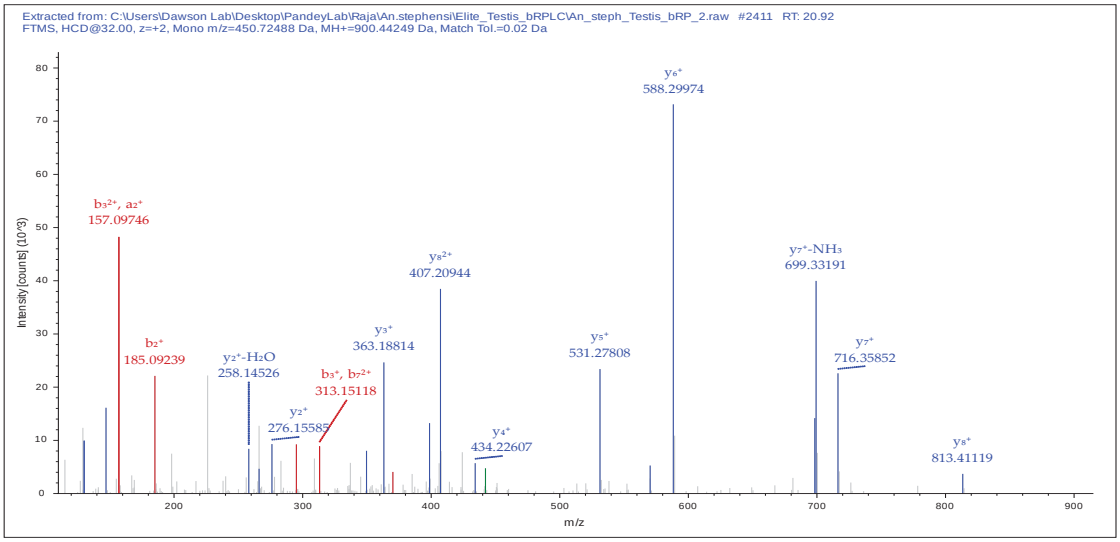

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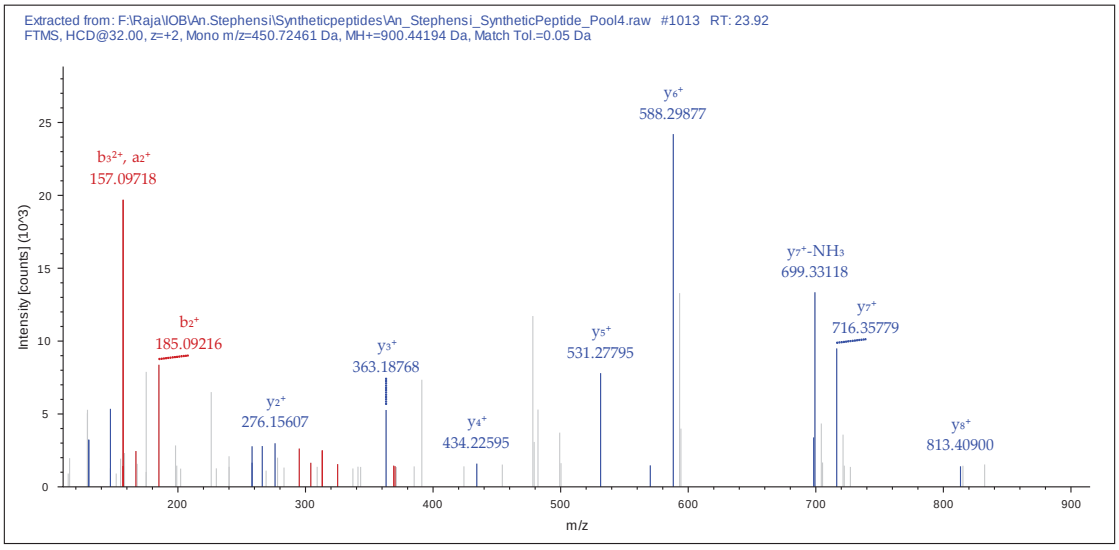

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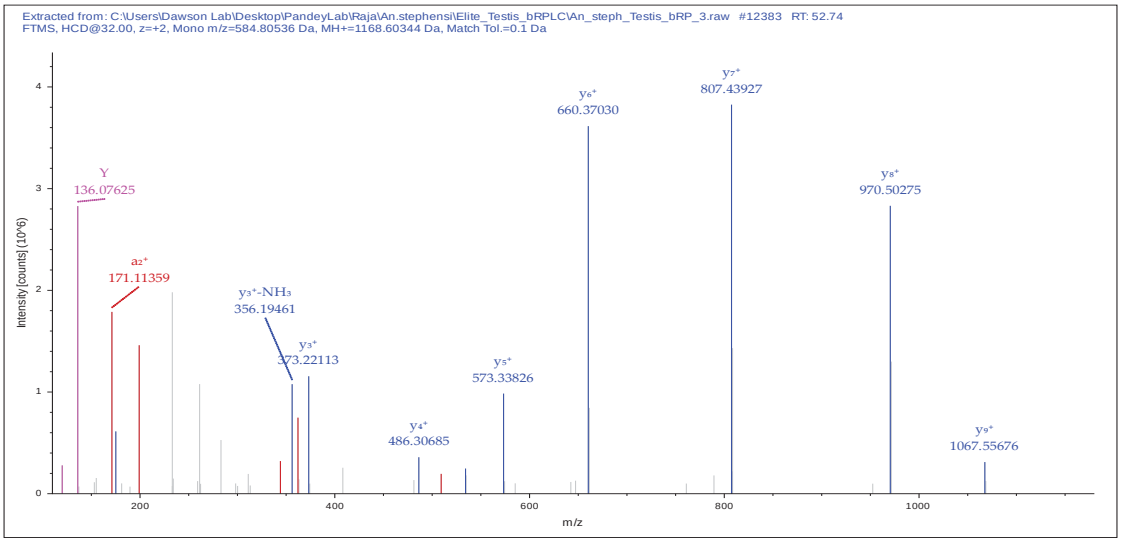

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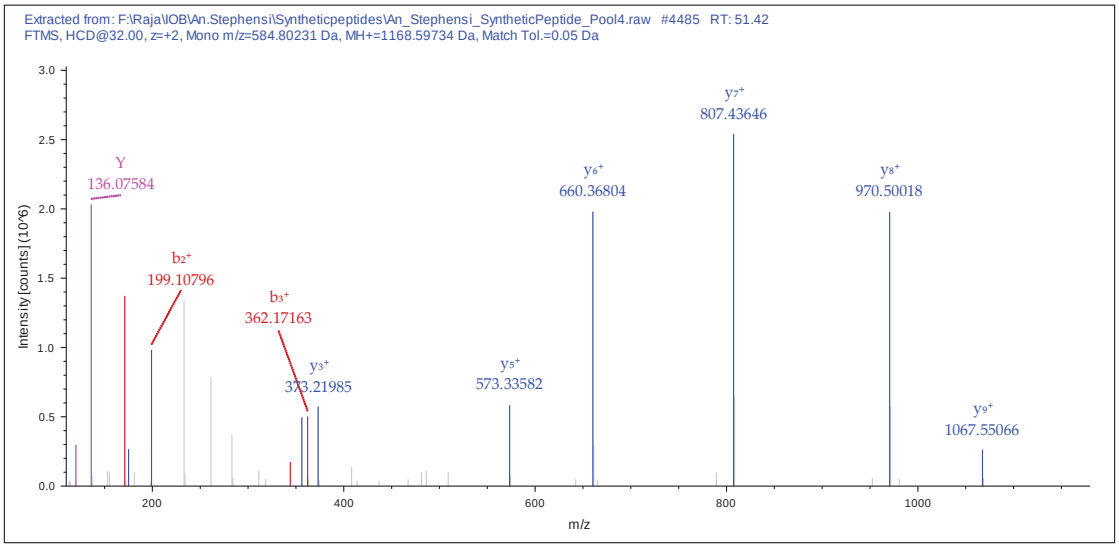

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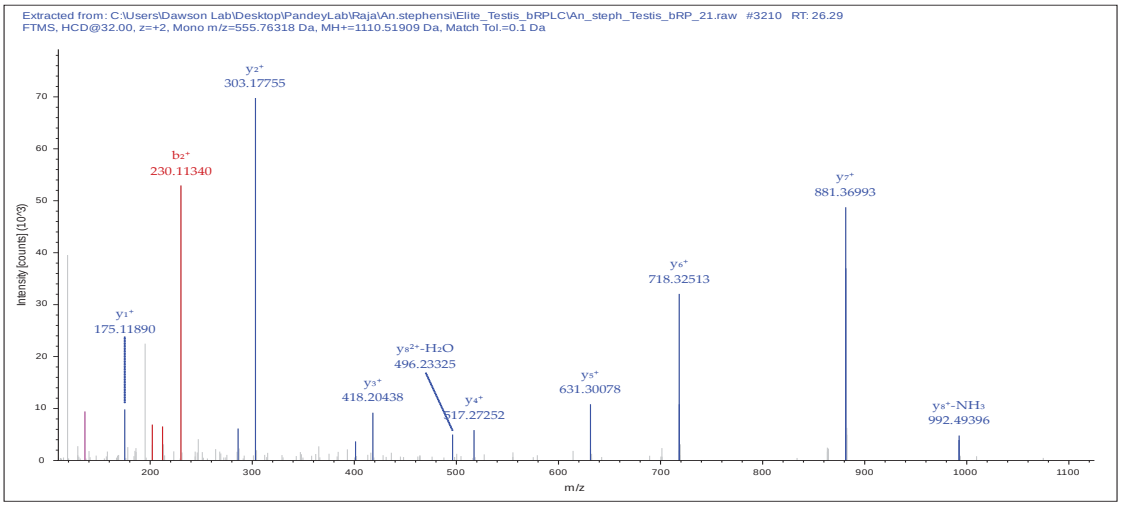

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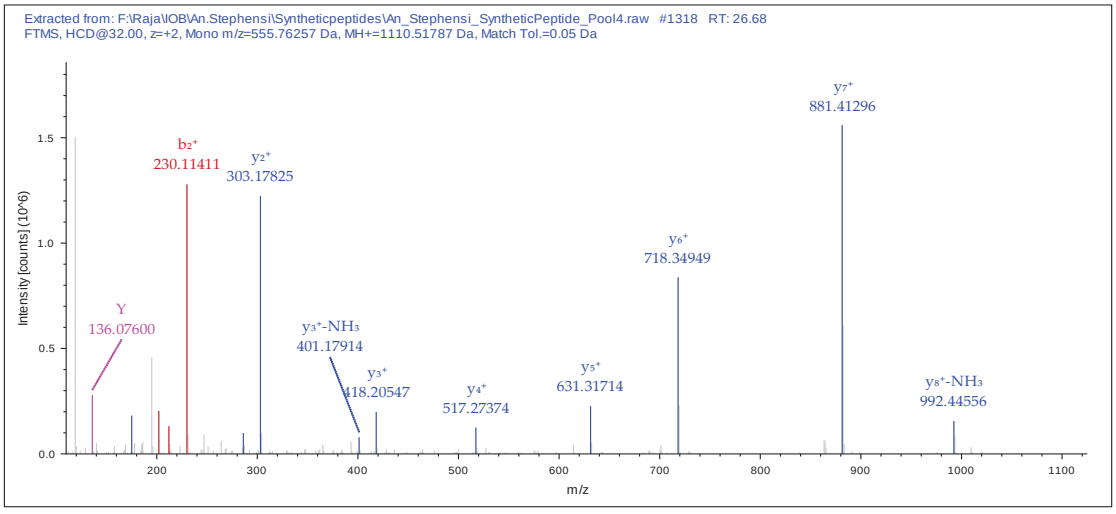

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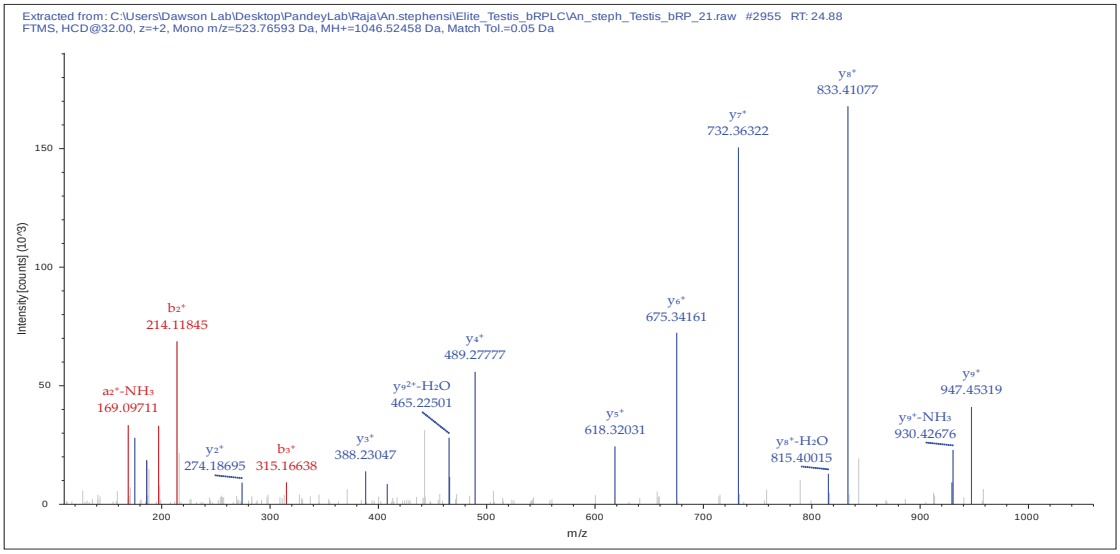

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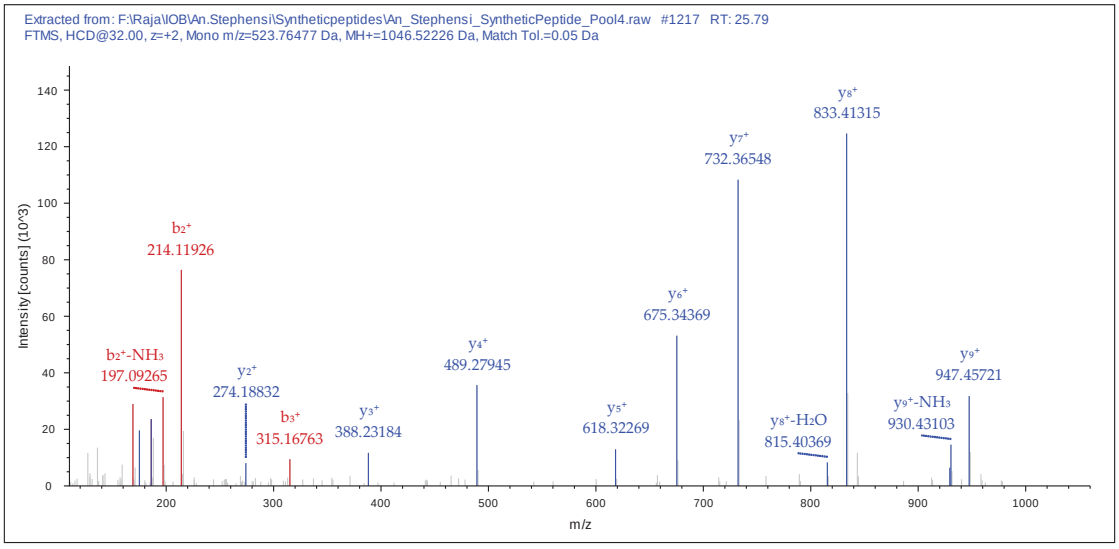

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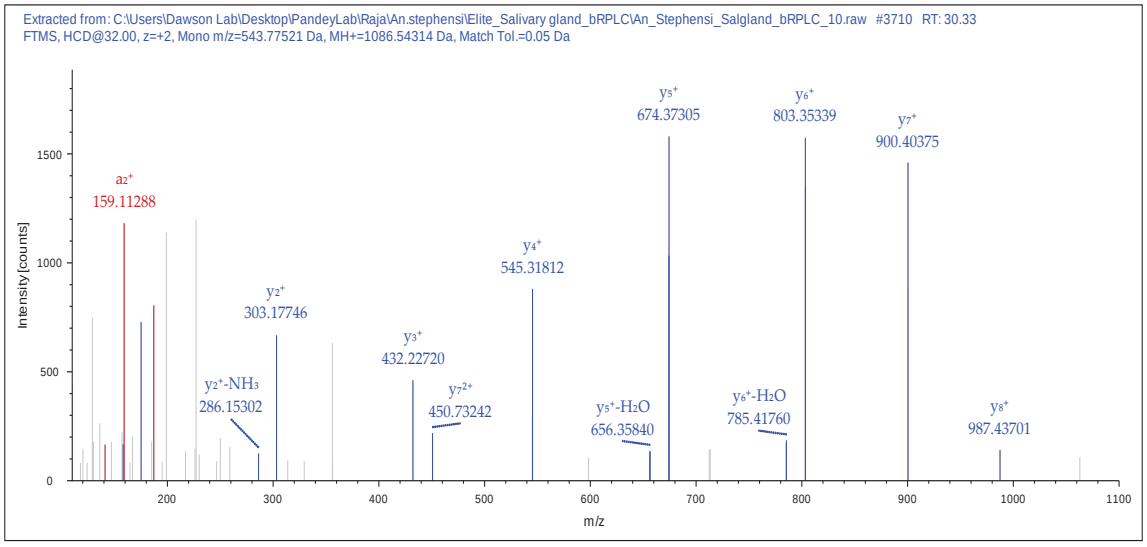

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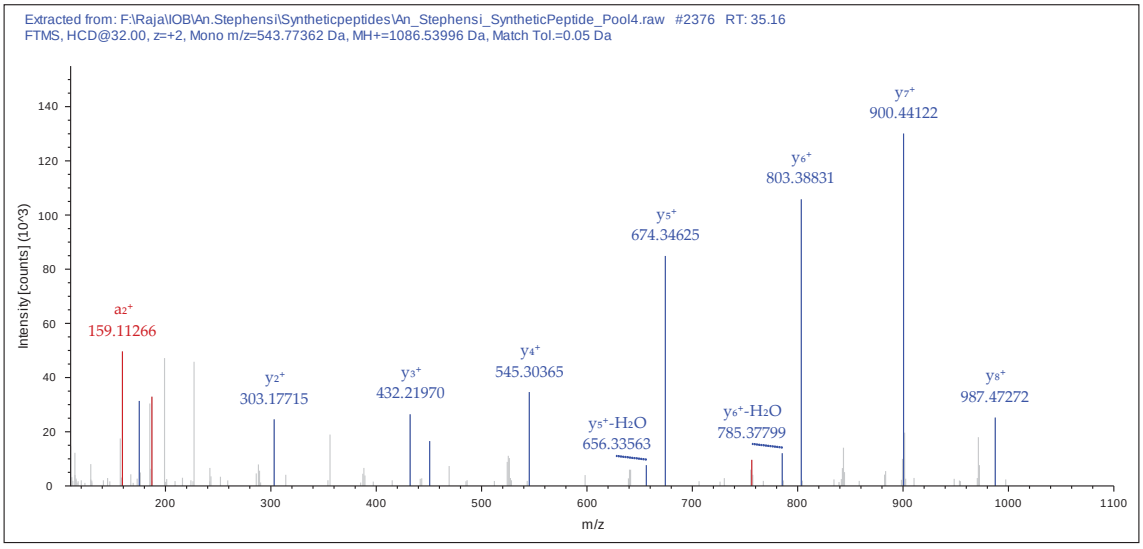

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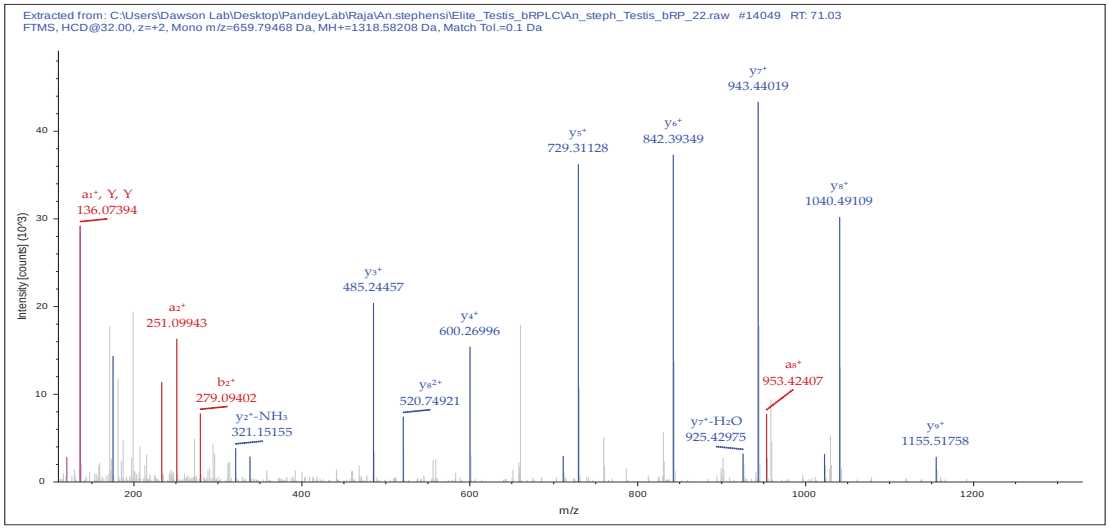

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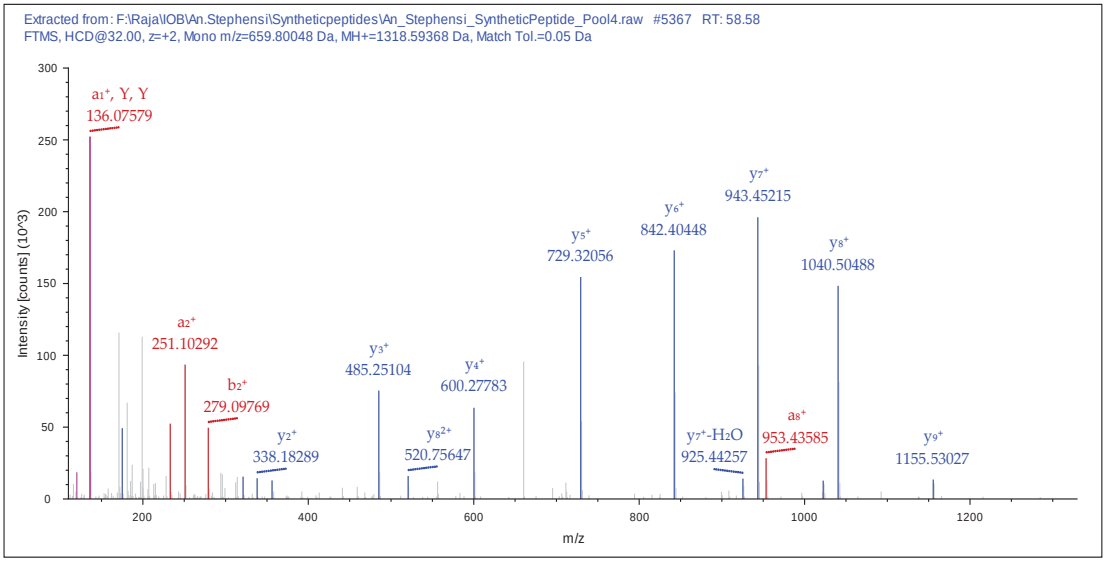

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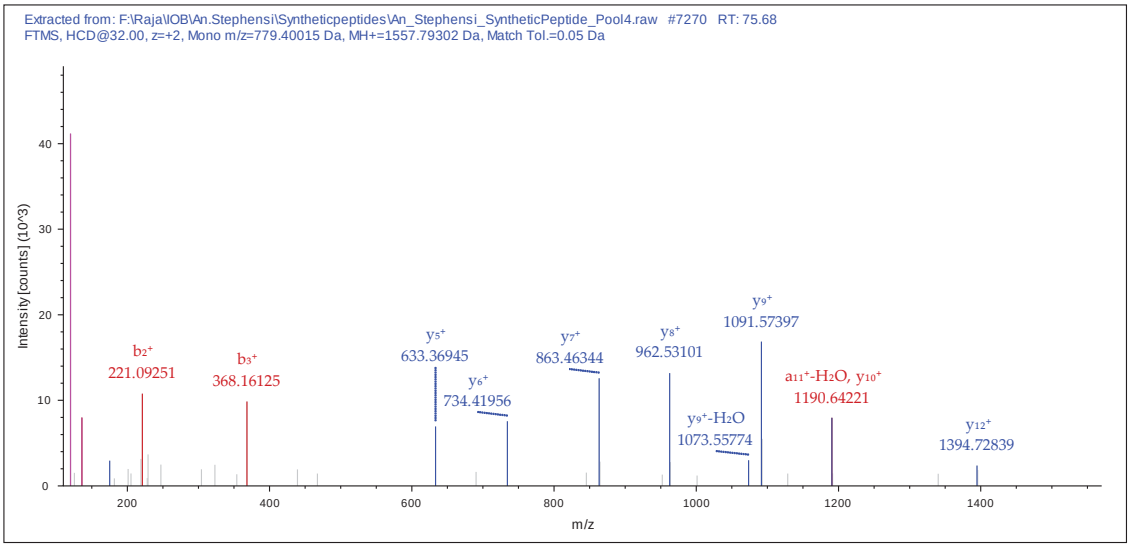

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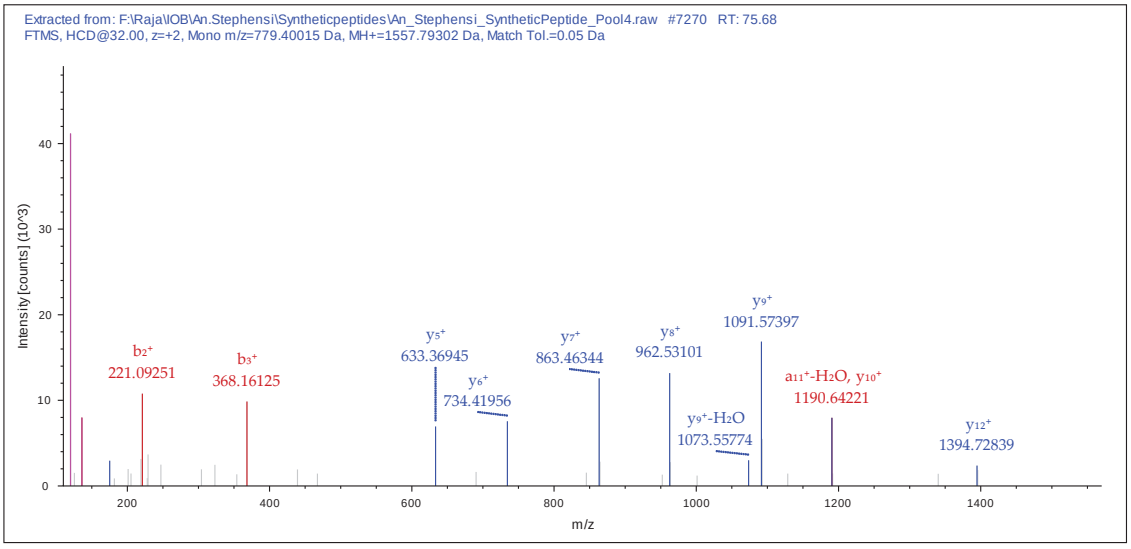

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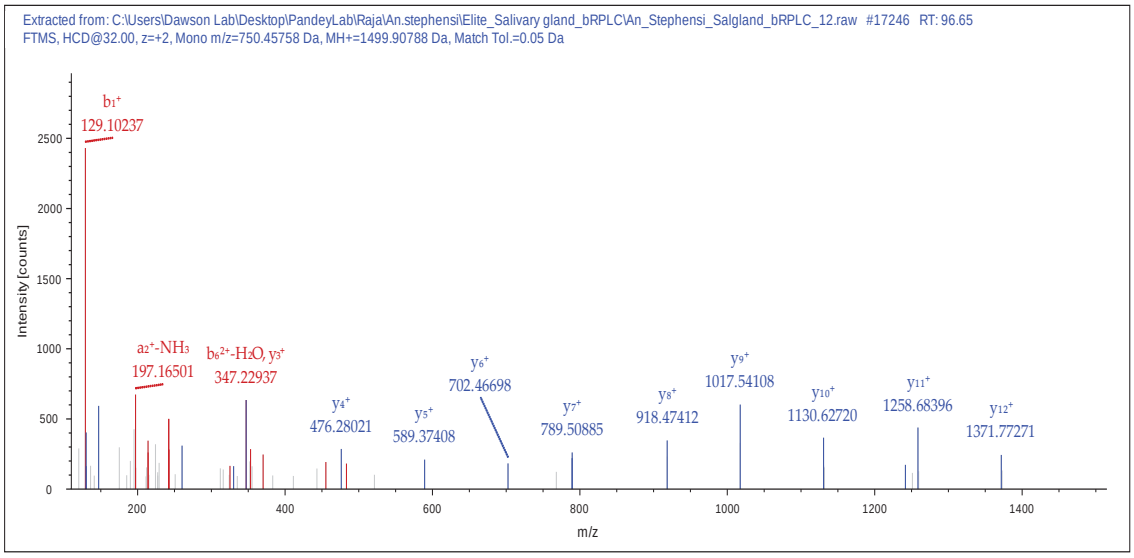

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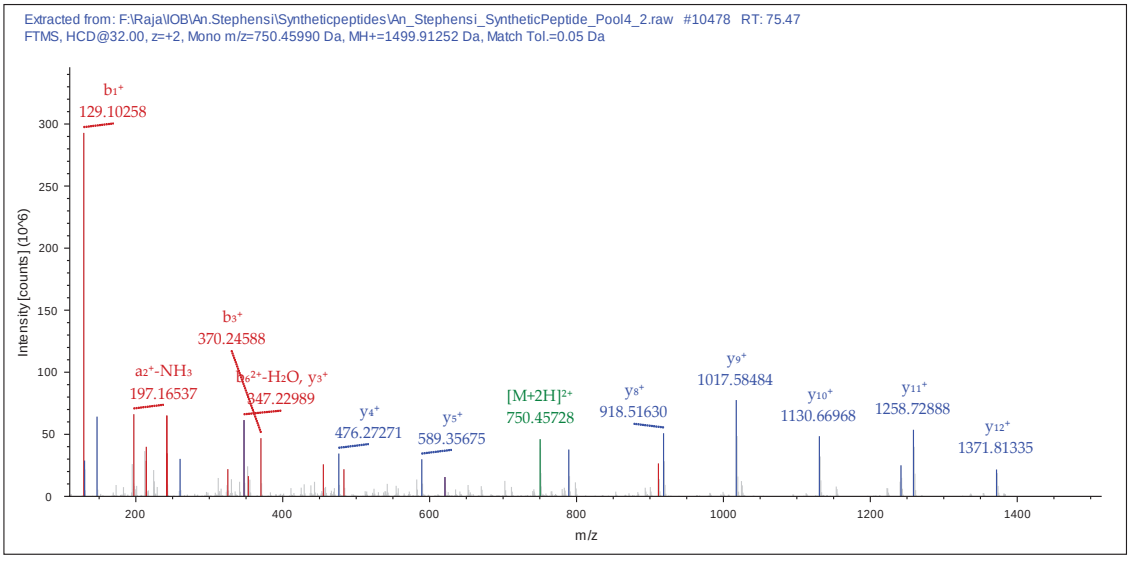

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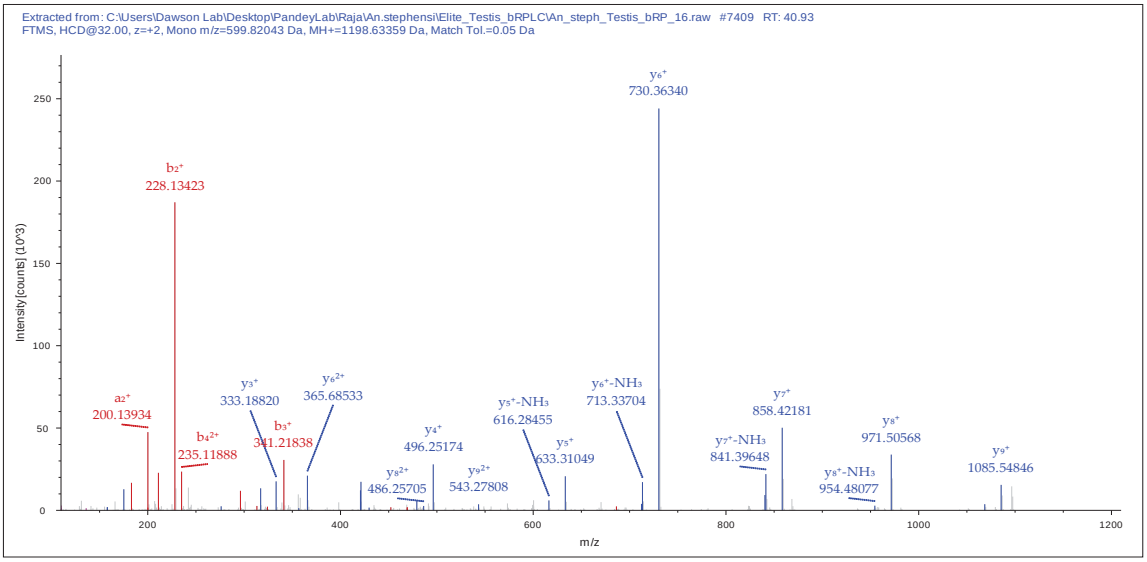

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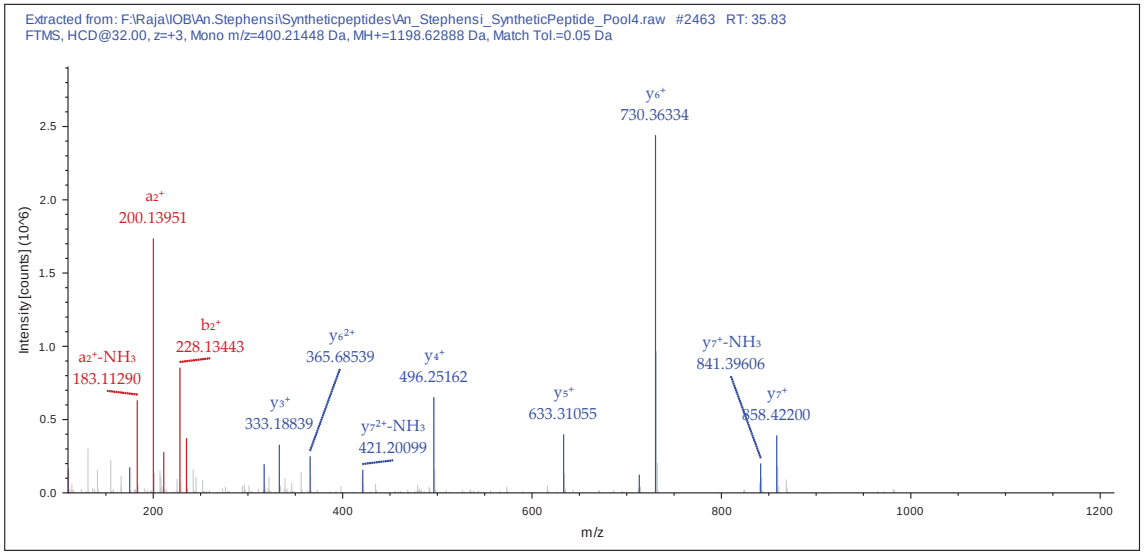

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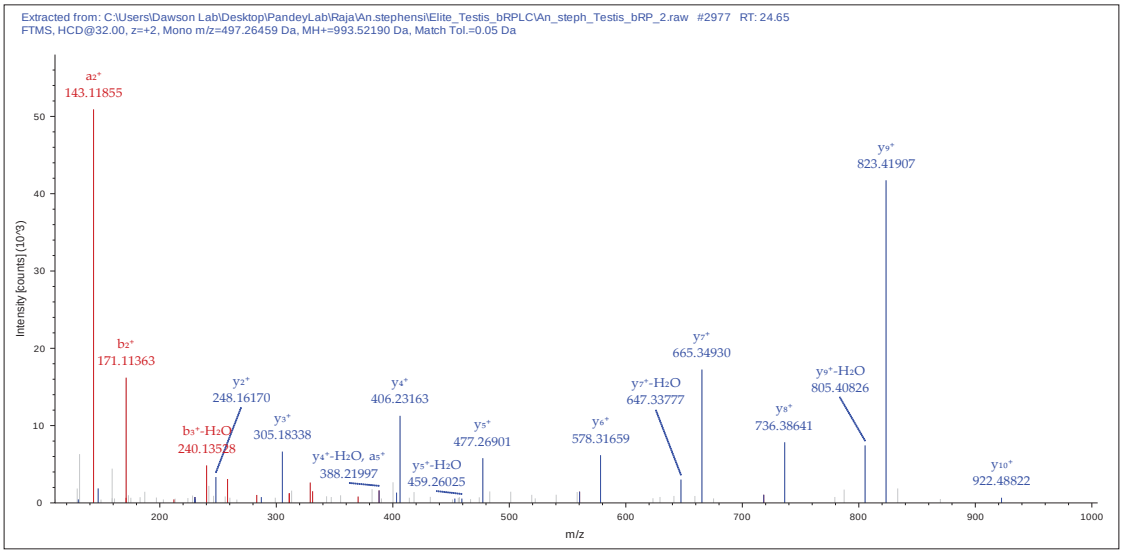

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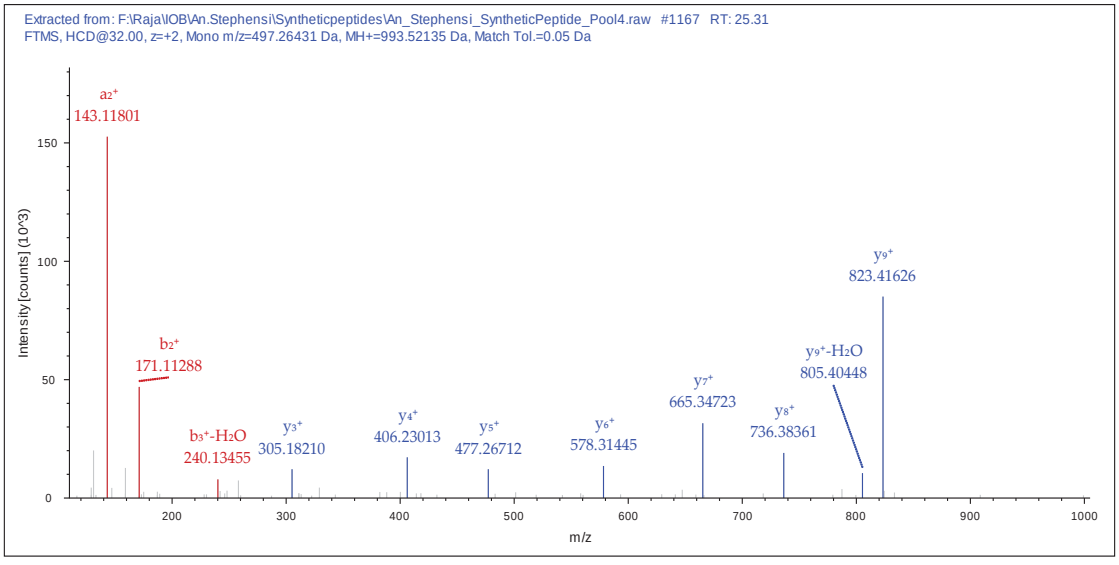

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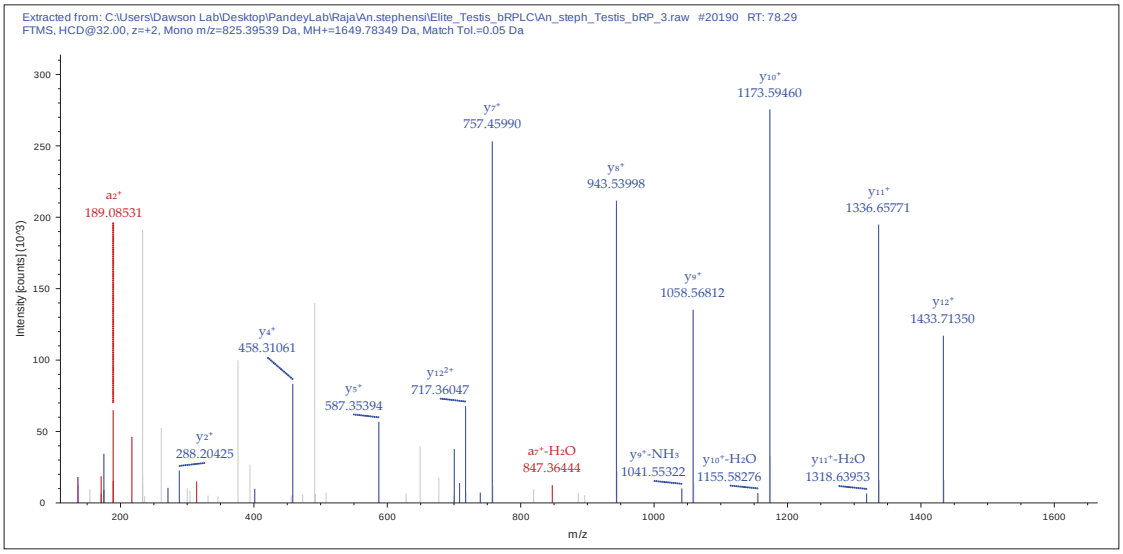

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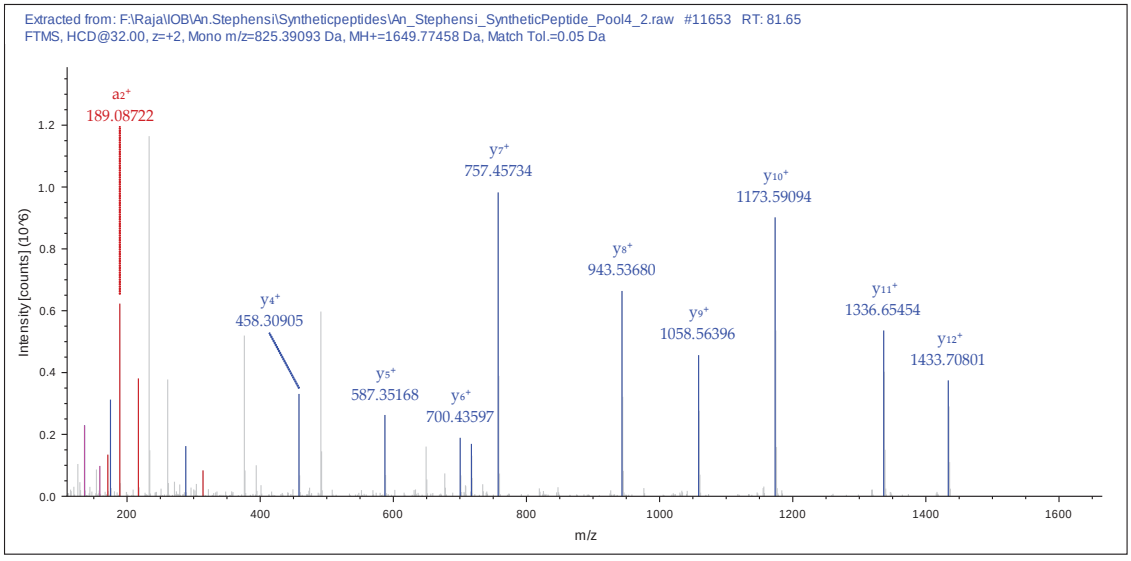

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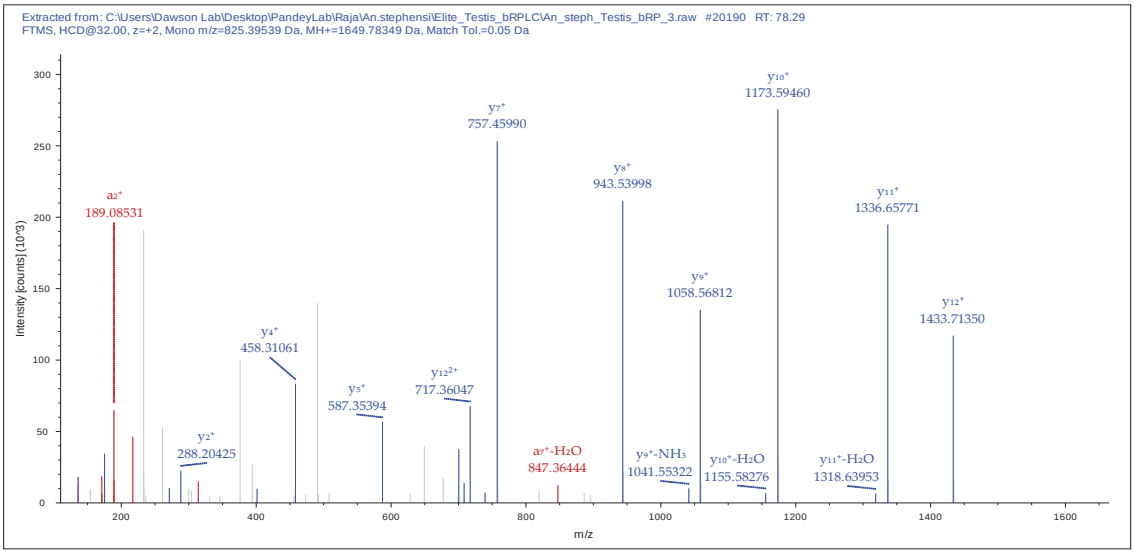

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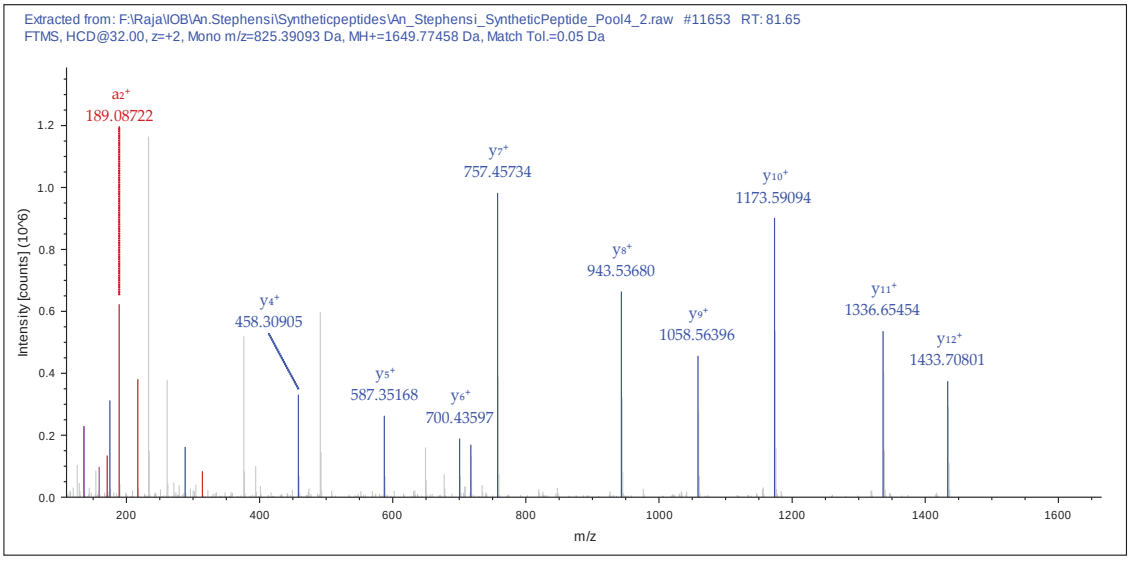

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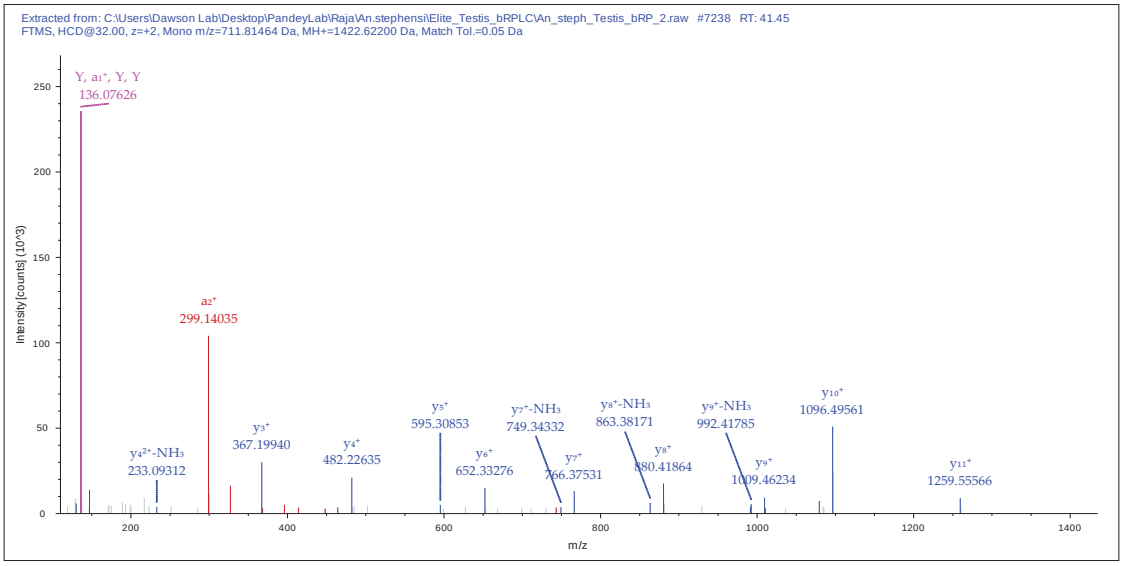

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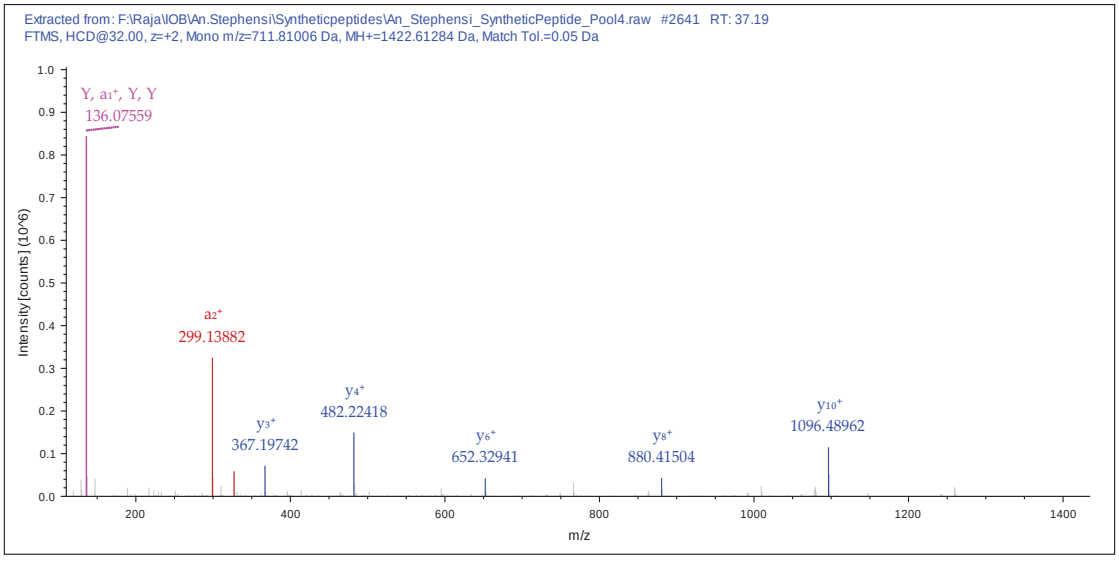

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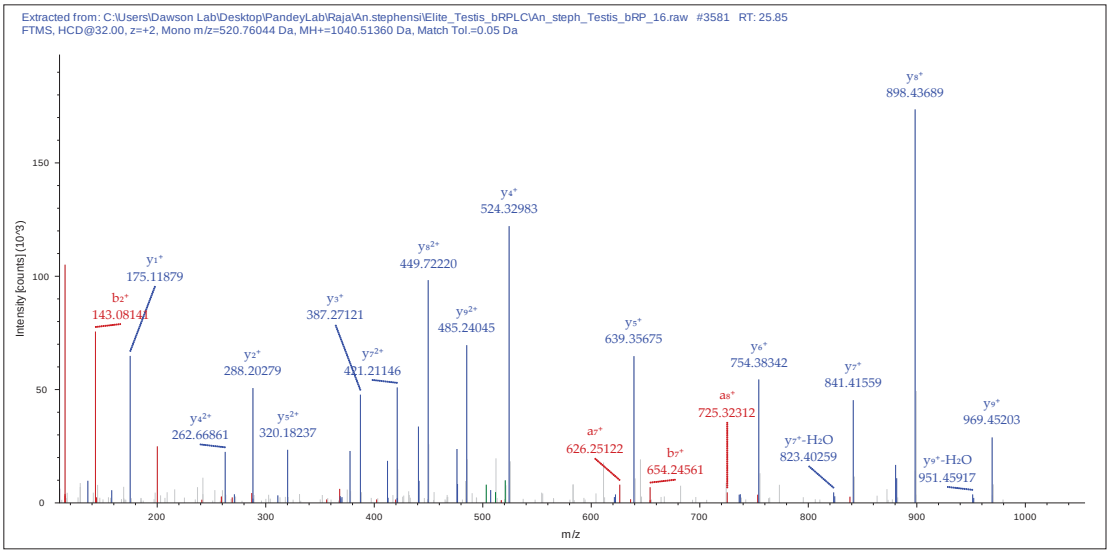

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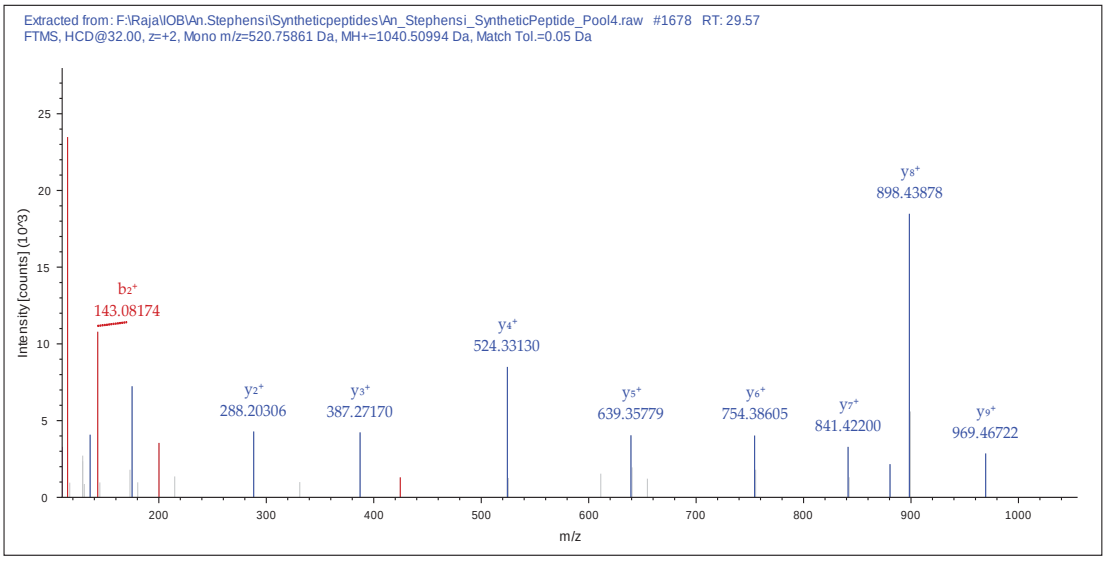

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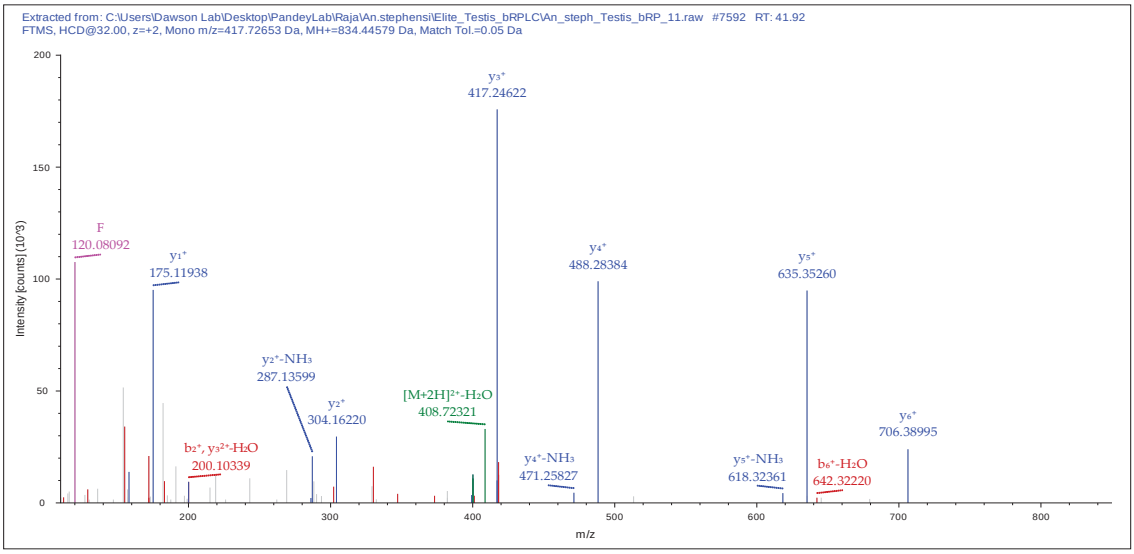

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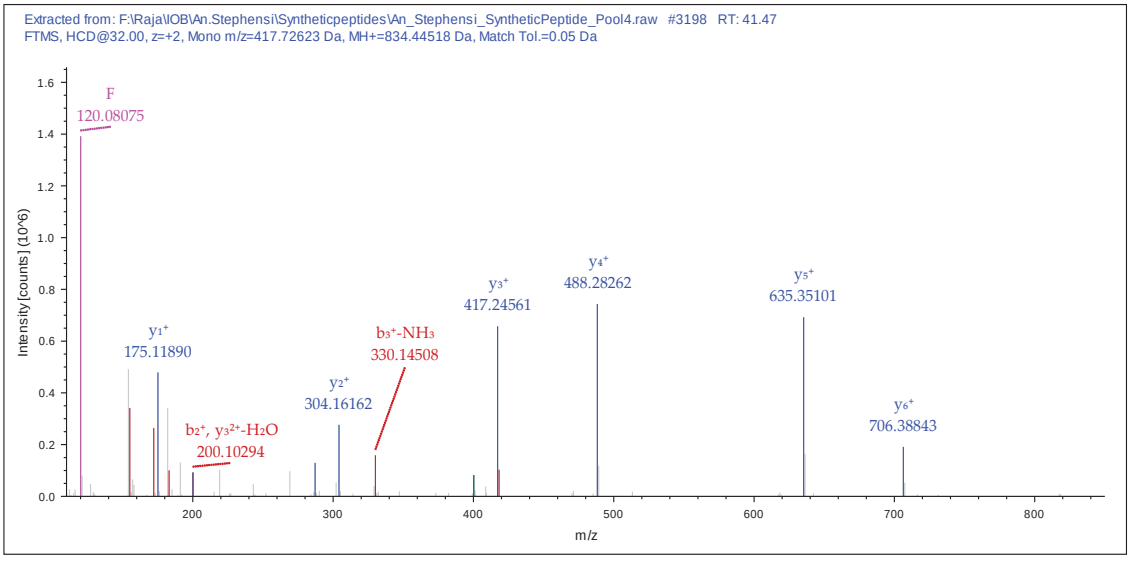

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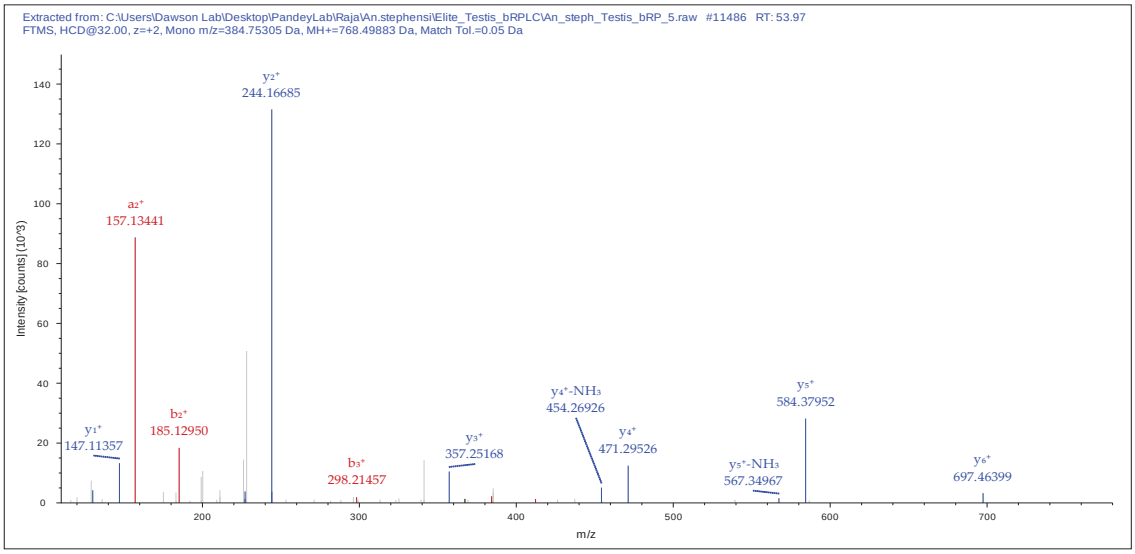

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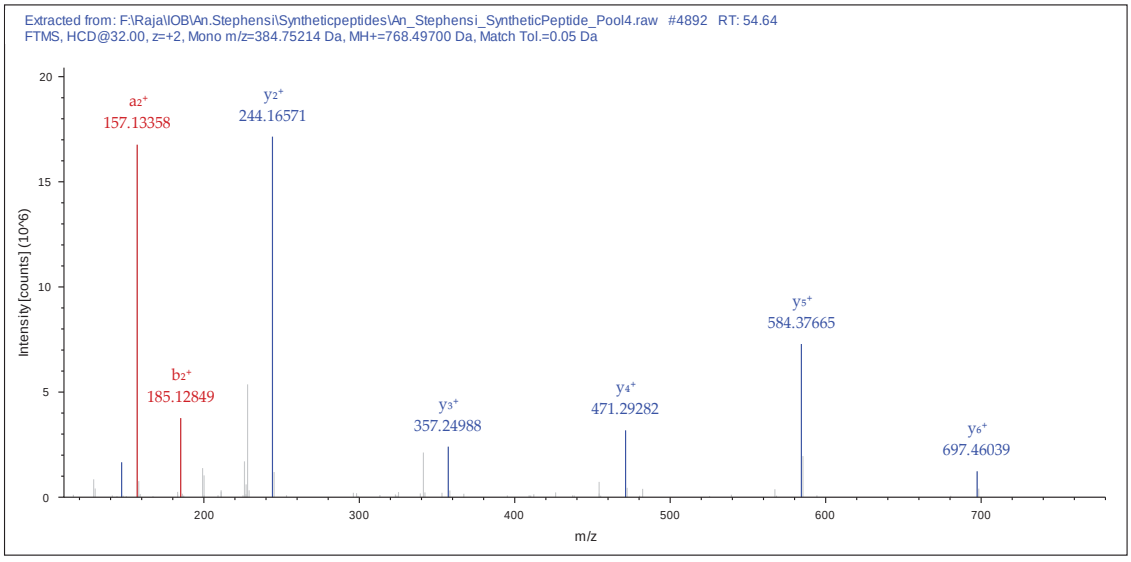

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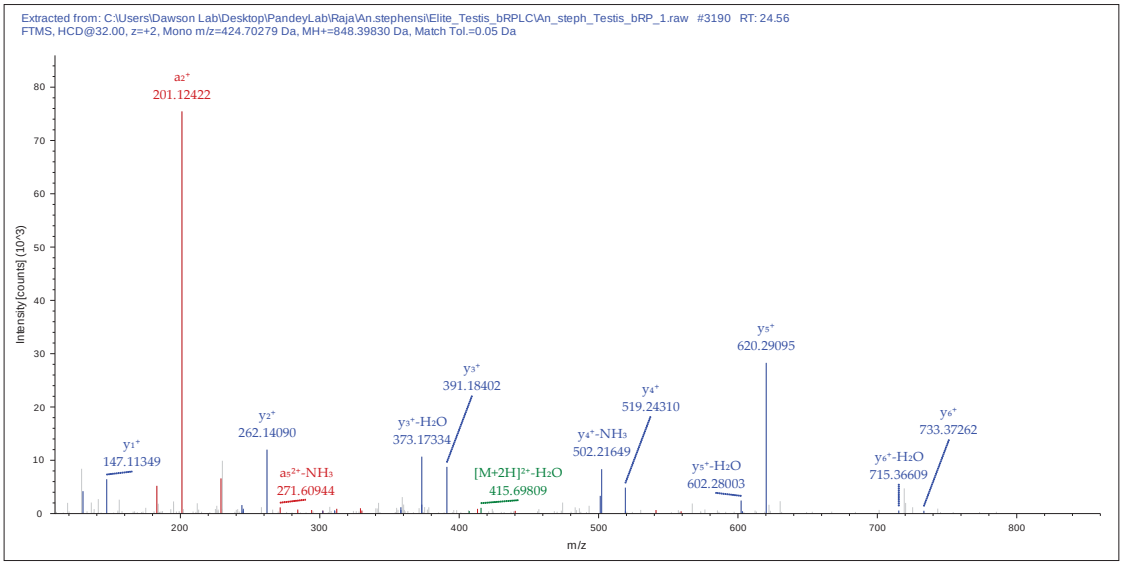

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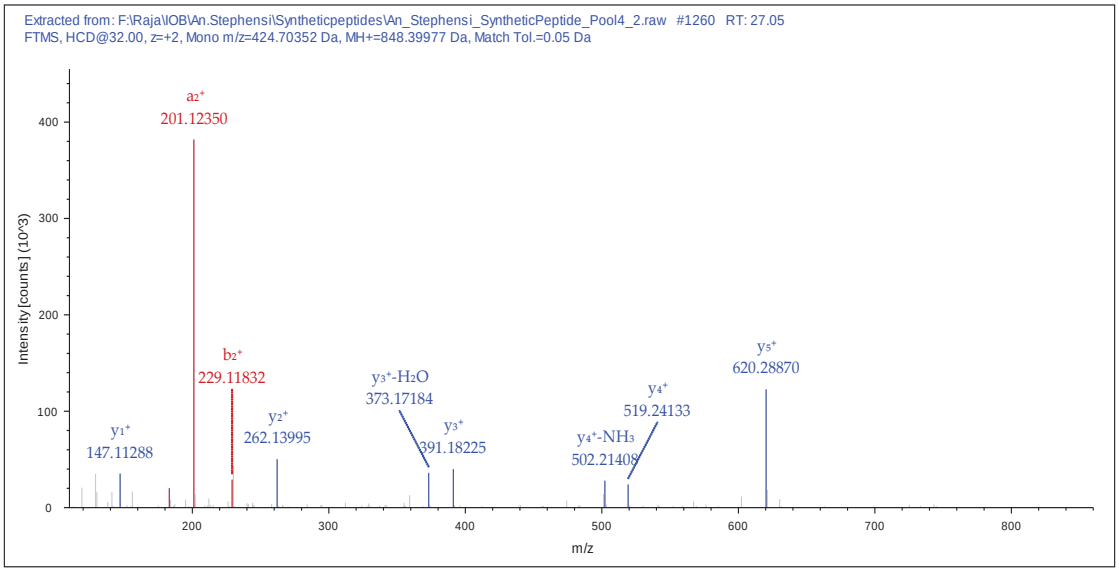

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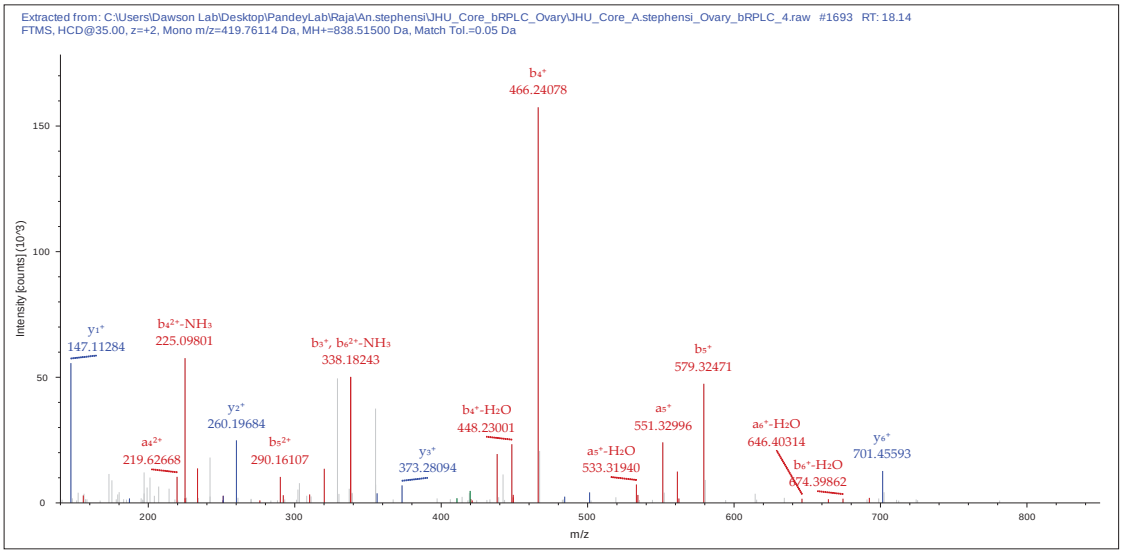

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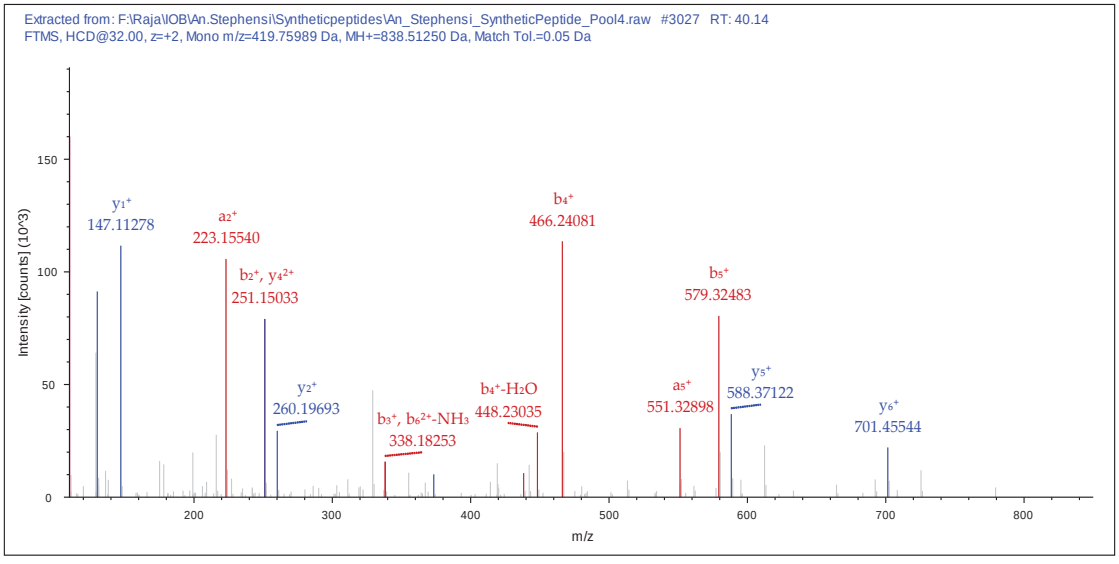

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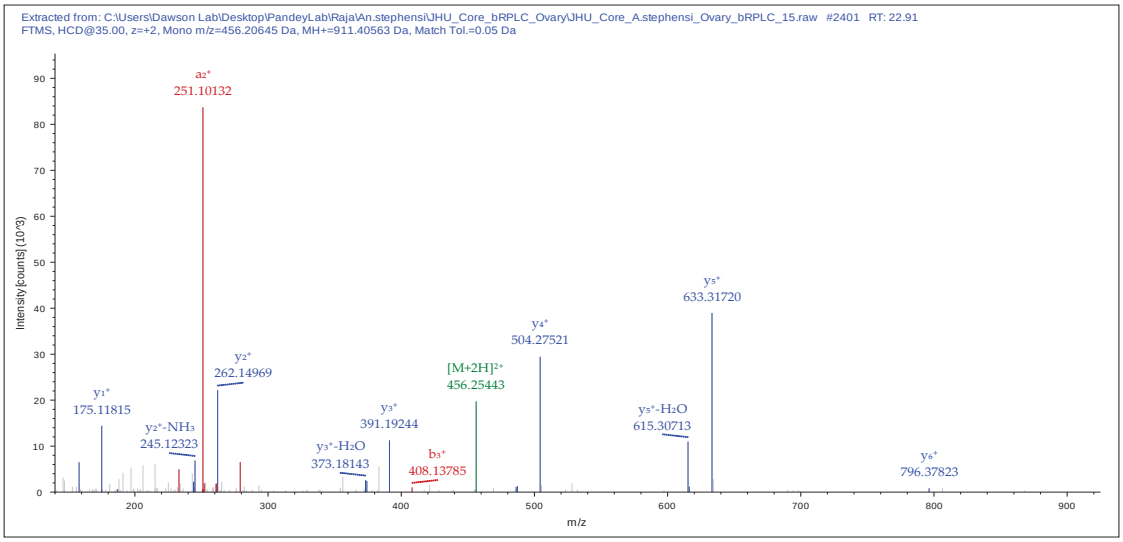

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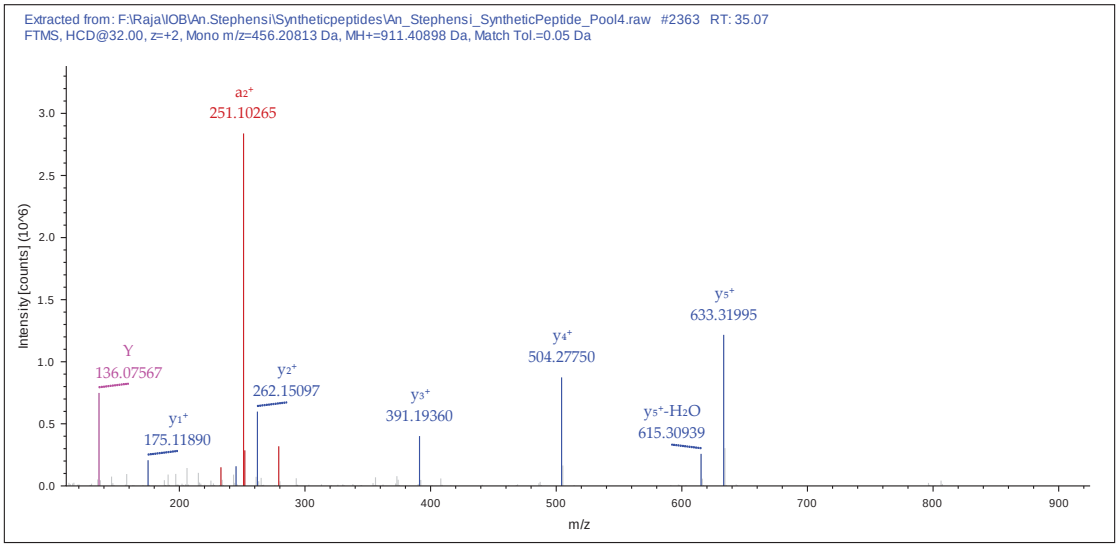
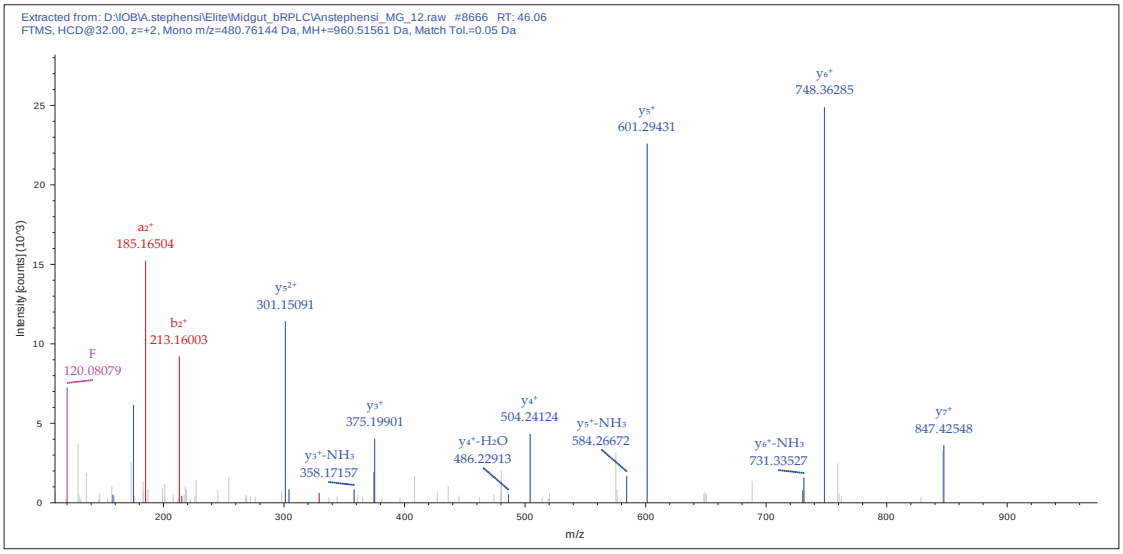


IVFPEAER

Experiment



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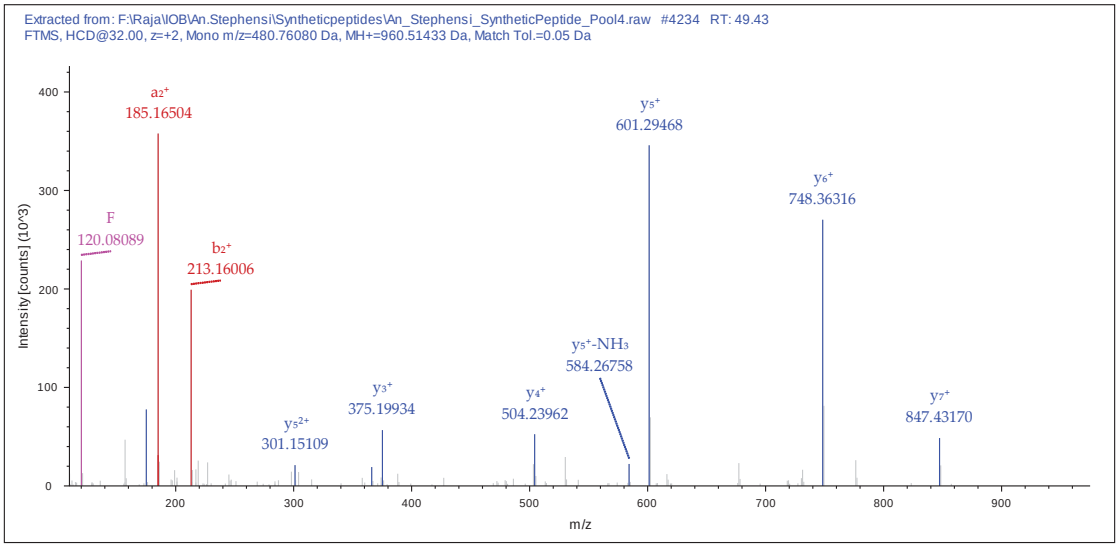

NEINEMR

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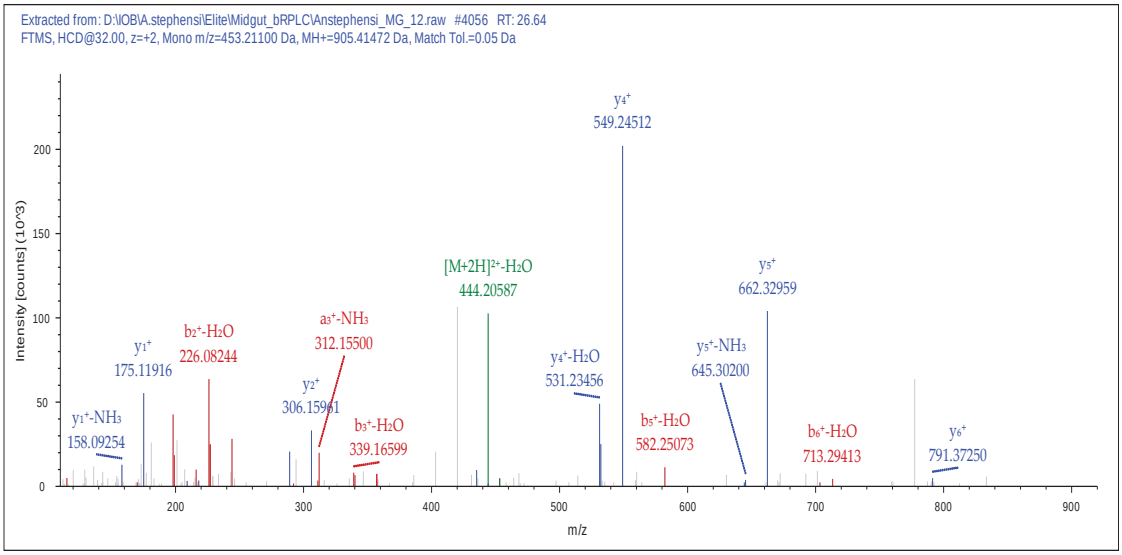

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