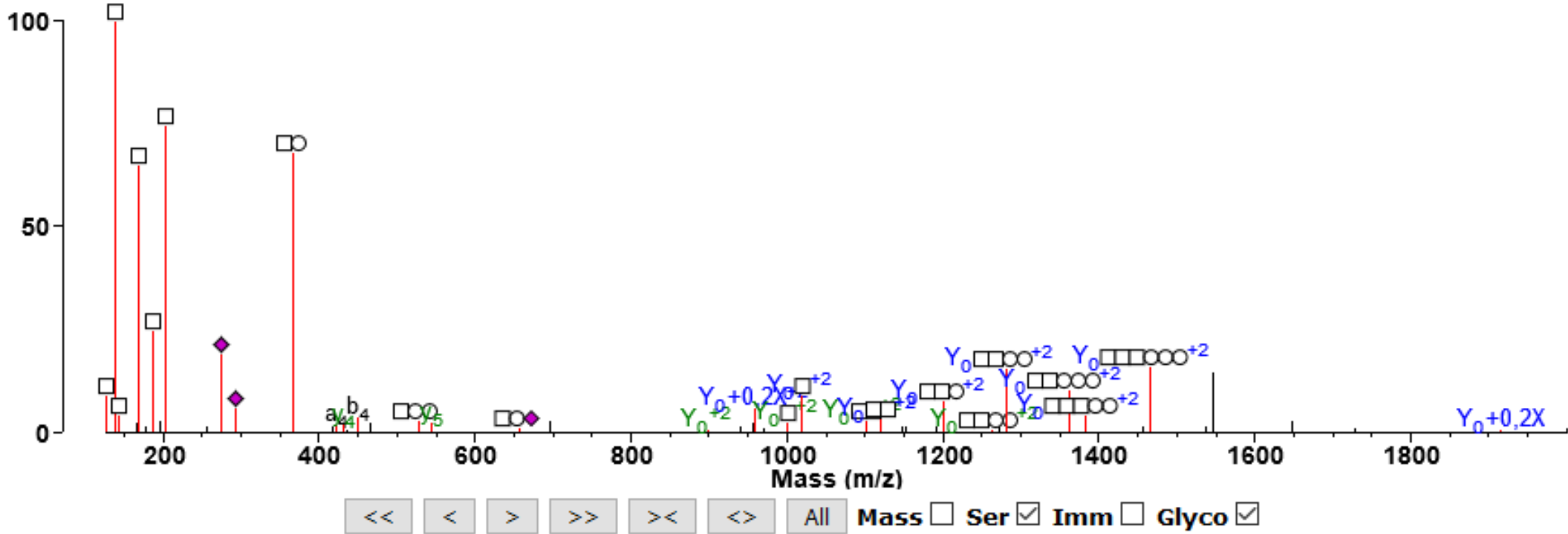


VVLHPN(HexNAc5Hex6NeuAc2+Cation:K)YSQVDIGLIK⁺⁴

VVLHPNYSQVDIGLIK-Cation:K⁺⁴



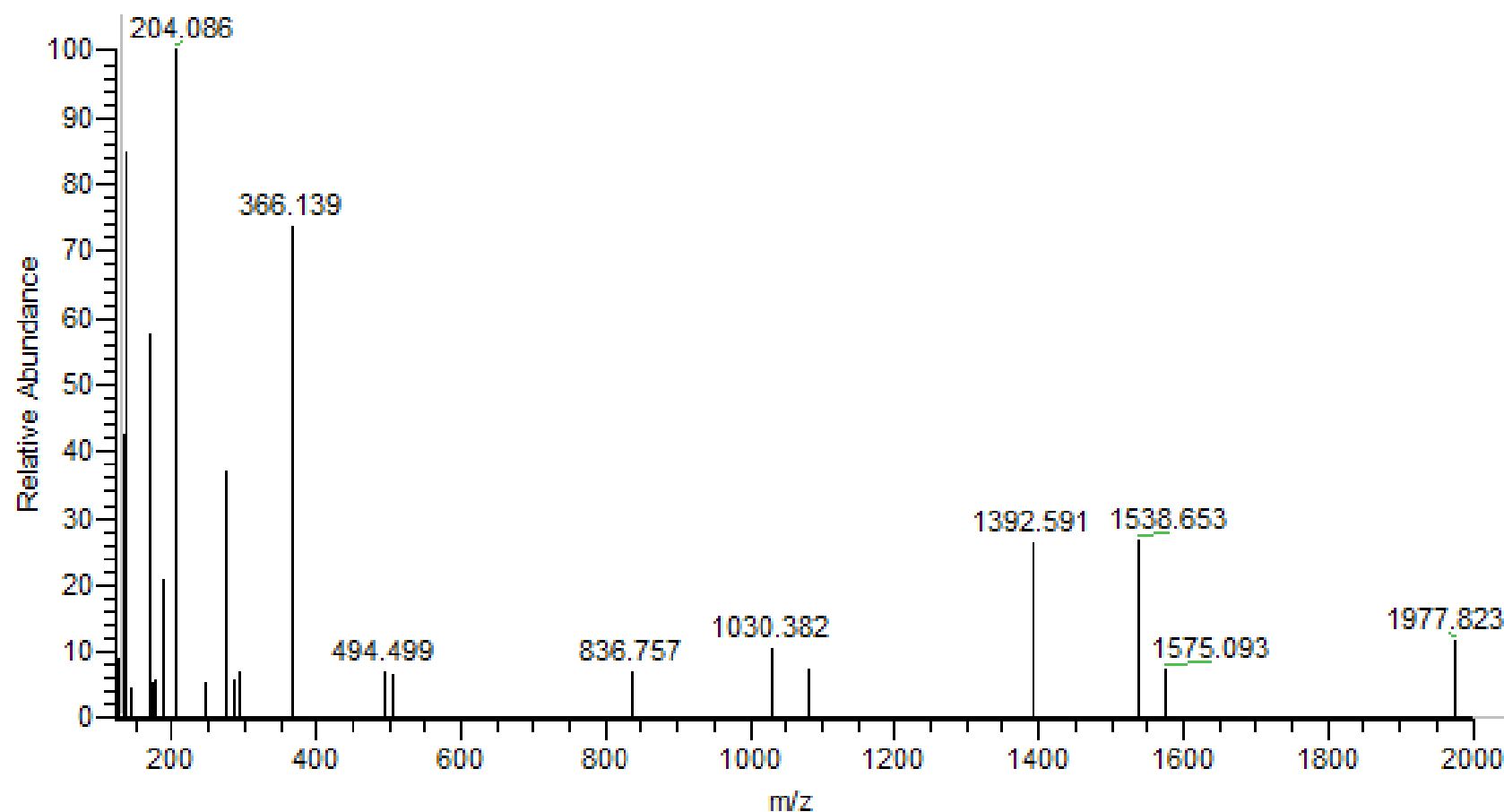


Figure S2: HCD spectrum of m/z 1083.753 3+ precursor. The corresponding EThcD spectrum identified this precursor as either EEQYN(HexNAc4Hex5FucNeuAc)STYR or EEQFN(HexNAc4Hex6NeuAc)STYR. The peaks at m/z 1392.591 and m/z 1538.653 correspond to EEQYNSTYR+HexNAc and +HexNAcFuc respectively, clarifying that the dityrosine-containing assignment is correct.

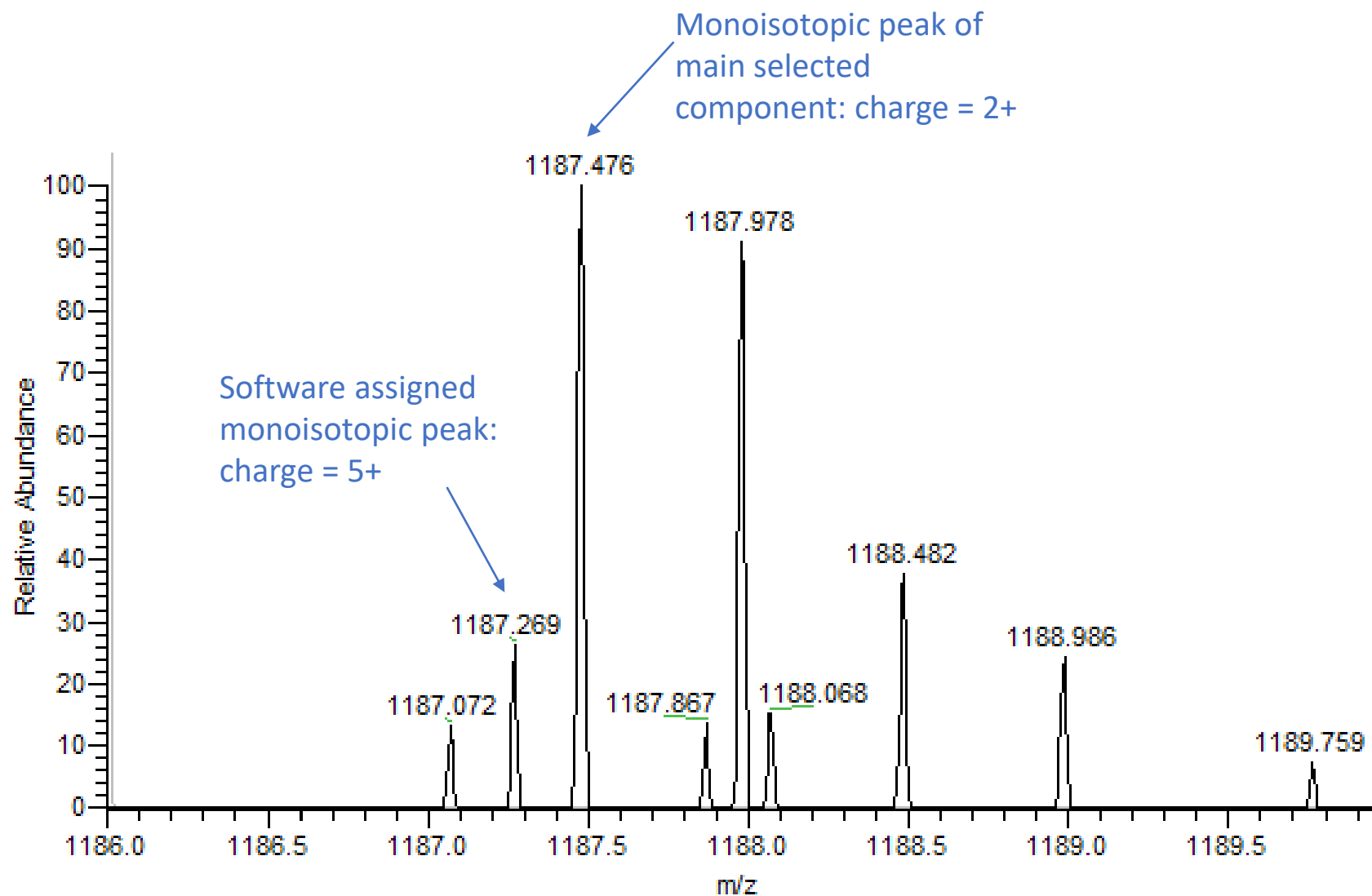


Figure S3. Isotope cluster selected for MS-MS analysis. The peak picking software assigned this precursor as m/z 1187.269, whereas the major component is clearly m/z 1187.476 2+. This precursor corresponds to EEQFN(HexNAc2Hex5)STFR.