

Purification and identification of O-GlcNAc modified peptides using phosphate-based alkyne CLICK chemistry in combination with titanium dioxide chromatography and mass spectrometry

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Supporting Information

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Annotated MS/MS spectra of O-GlcNAcylated and phosphorylated peptides identified from alpha-crystallin

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(Spectra are arranged by sequence alphabetical order in Supporting Table 1.)

Annotated MS/MS spectra of phosphorylated peptides identified from bovine proteins co-purified with alpha-crystallin

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(Spectra are arranged by sequence alphabetical order in Supporting Table 2.)

Annotated MS/MS spectra of GlcNAcylated peptides identified from mouse brain

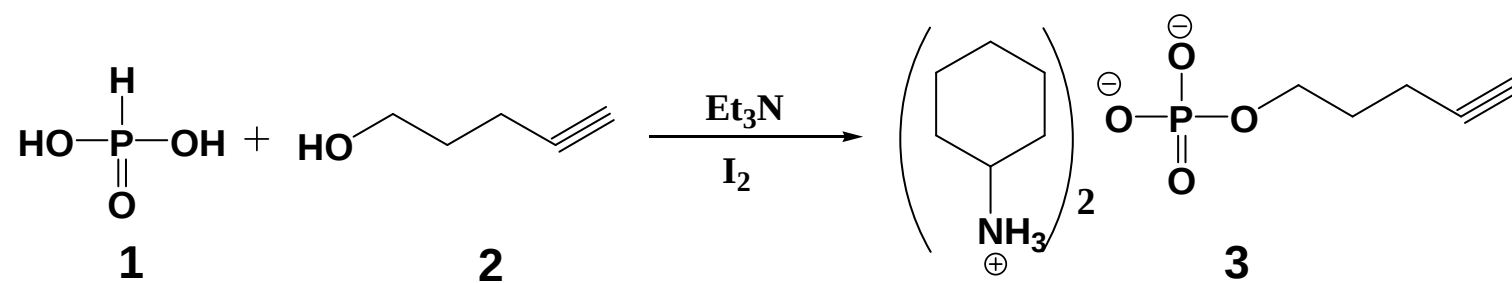
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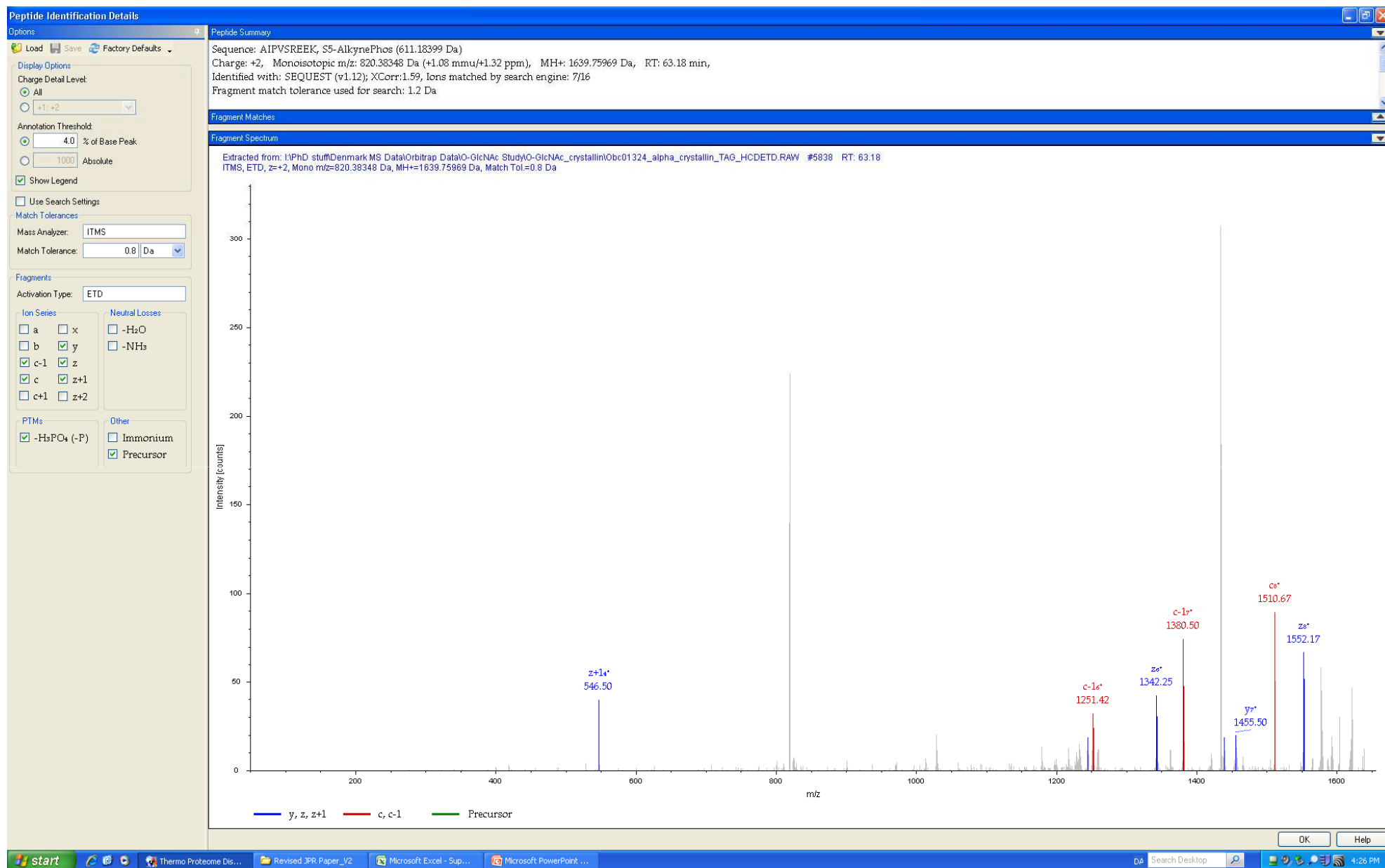
(Spectra are arranged by sequence in order of Supporting Table 3. Both HCD and ETD spectra are shown for every site. All HCD spectra show annotation of ions with the loss of O-GlcNAcGalNAzPO₄ where appropriate. *indicate +1 *m/z* ion)

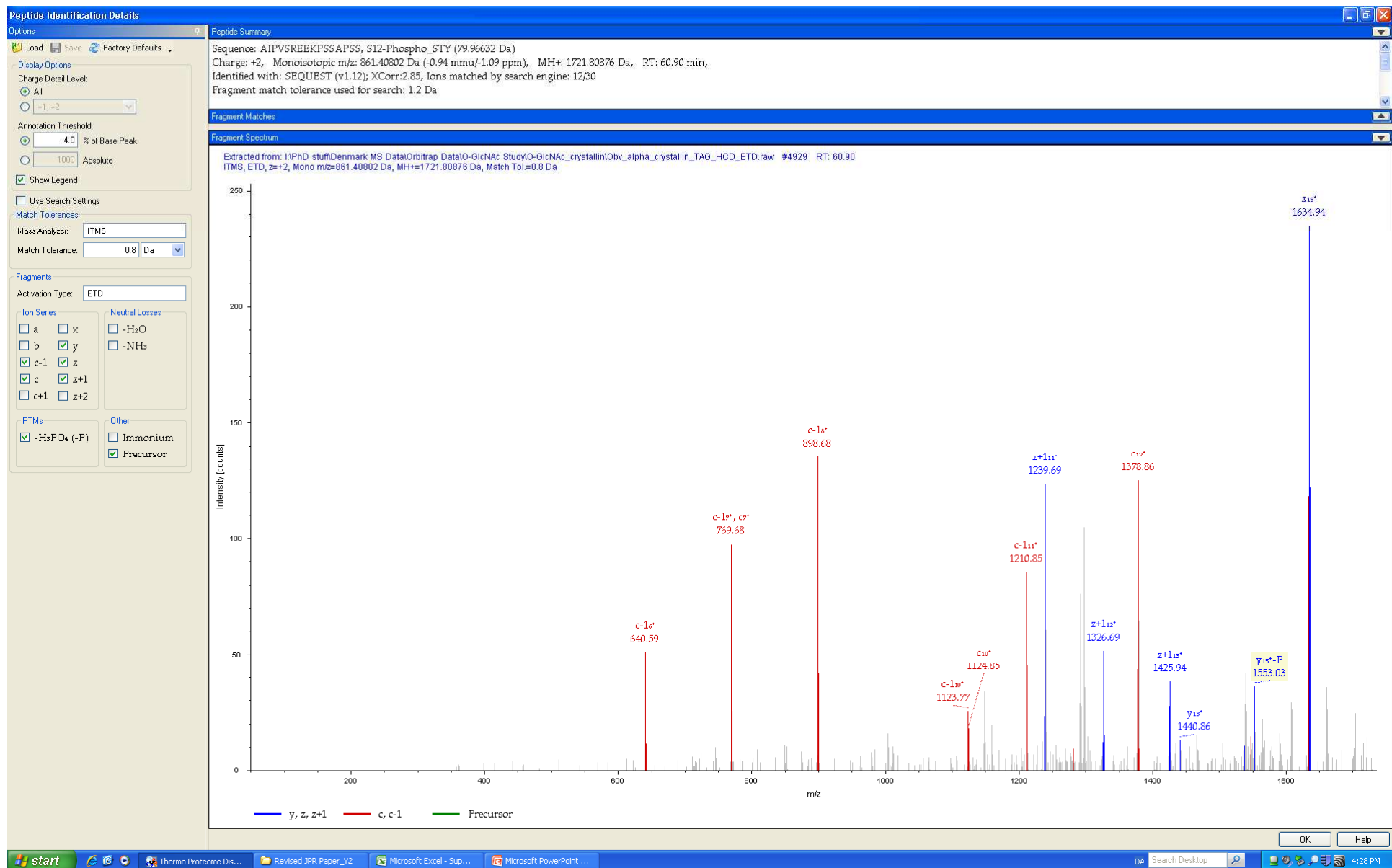
Annotated MS/MS spectra of GlcNAcylated peptides identified from HeLa Nuclei

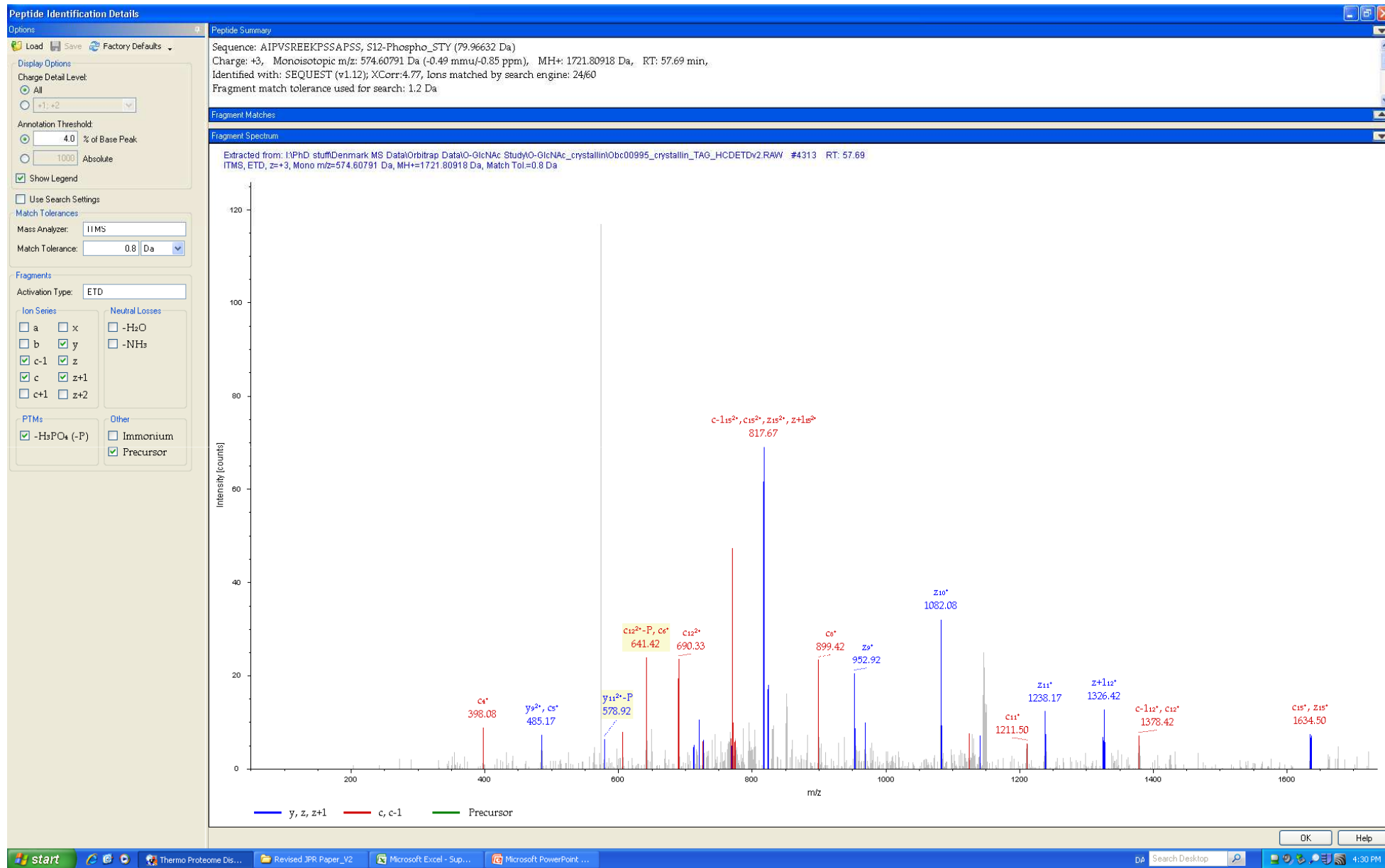
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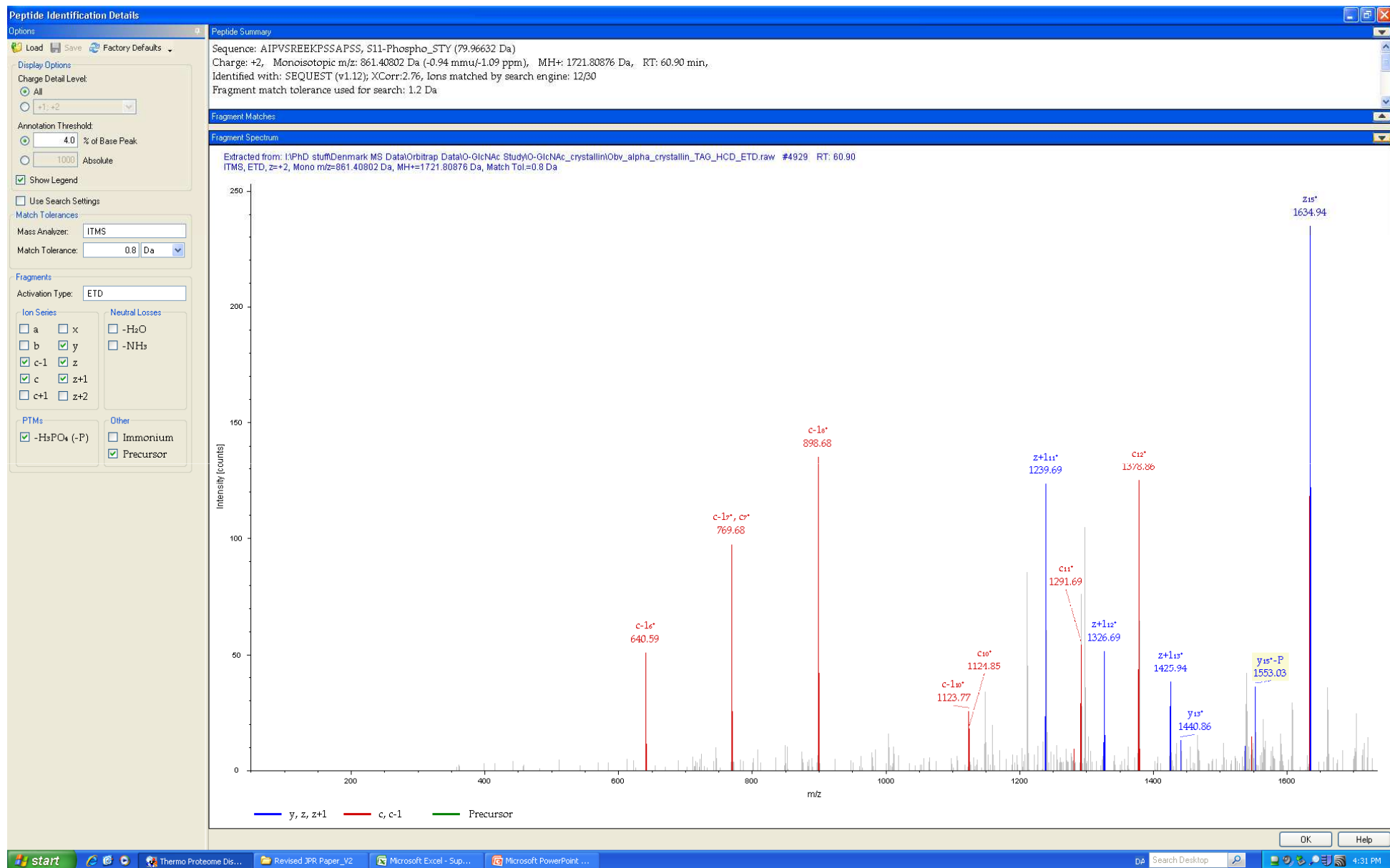
(Spectra are arranged by sequence in order of Supporting Table 5. Both HCD and ETD spectra are shown for every site. All HCD spectra show annotation of ions with the loss of O-GlcNAcGalNAzPO₄ where appropriate. *indicate +1 *m/z* ion)

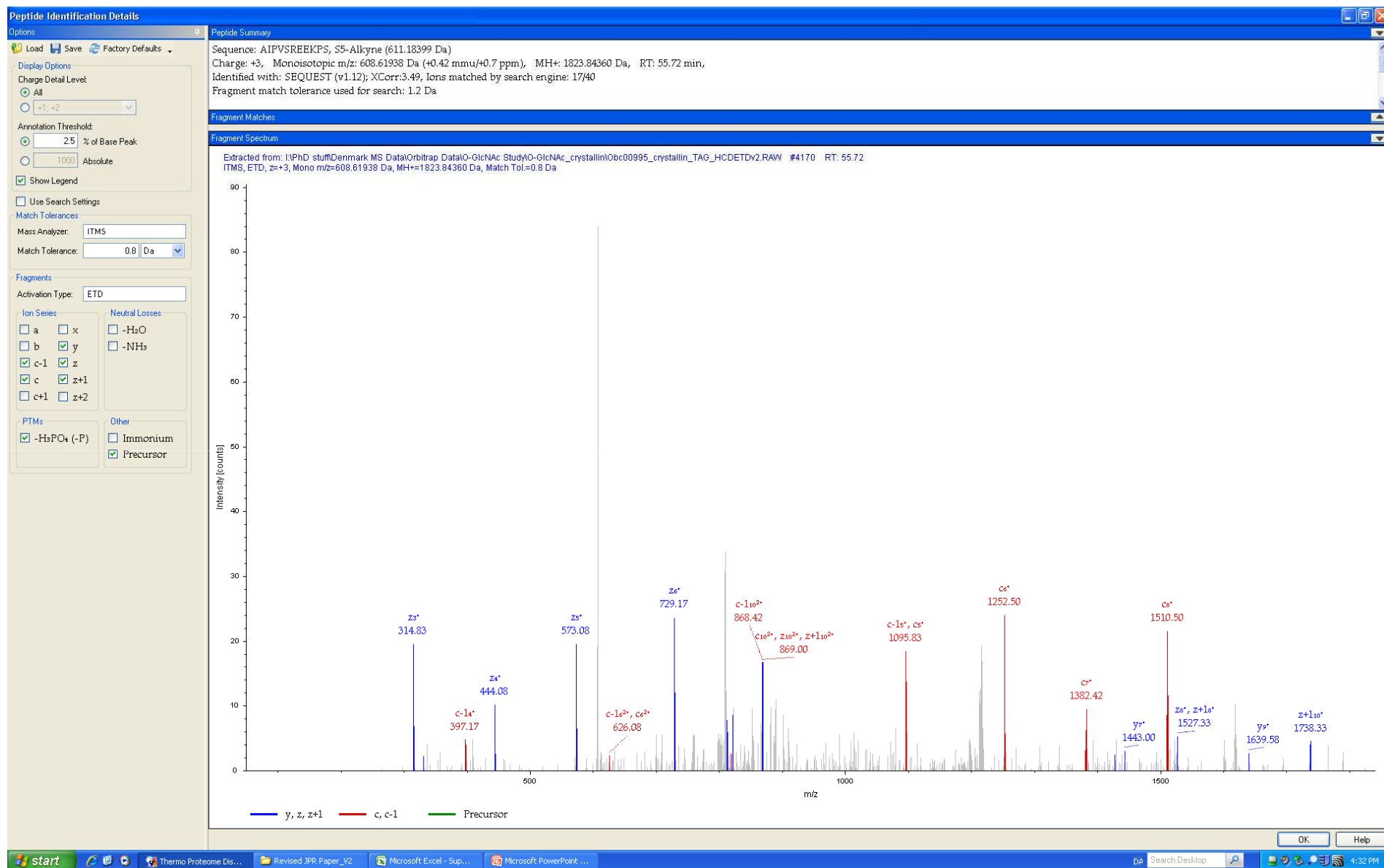


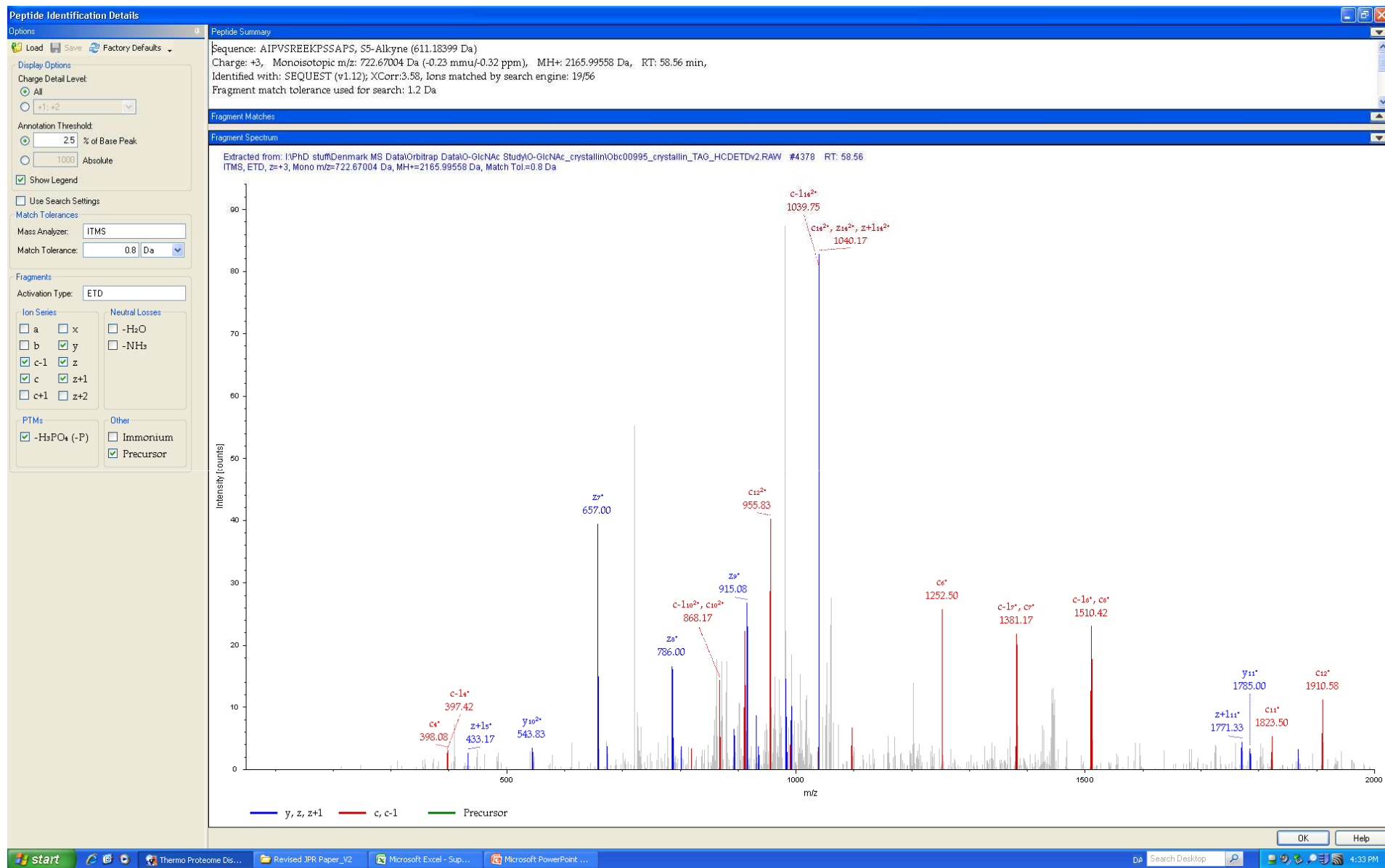


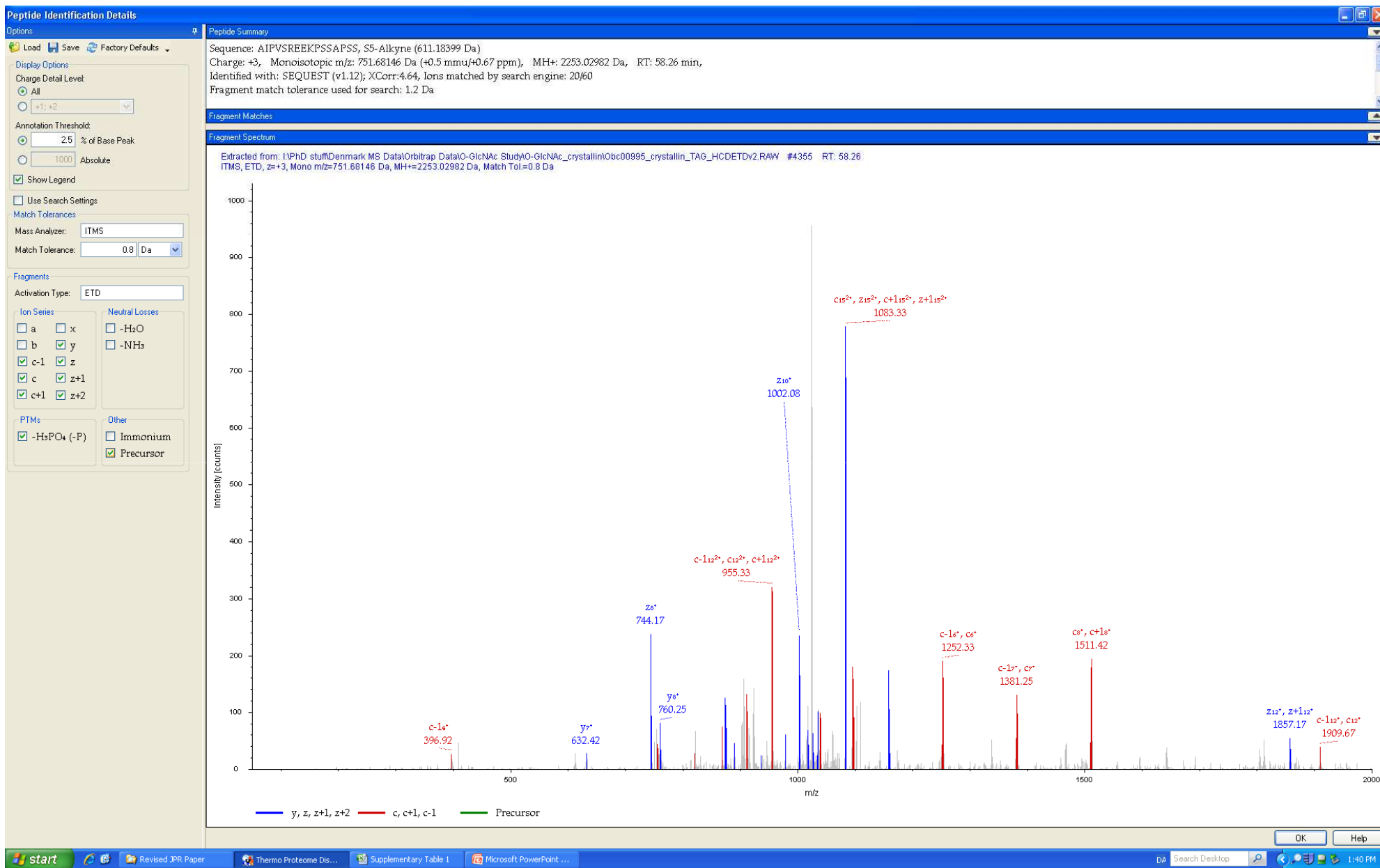


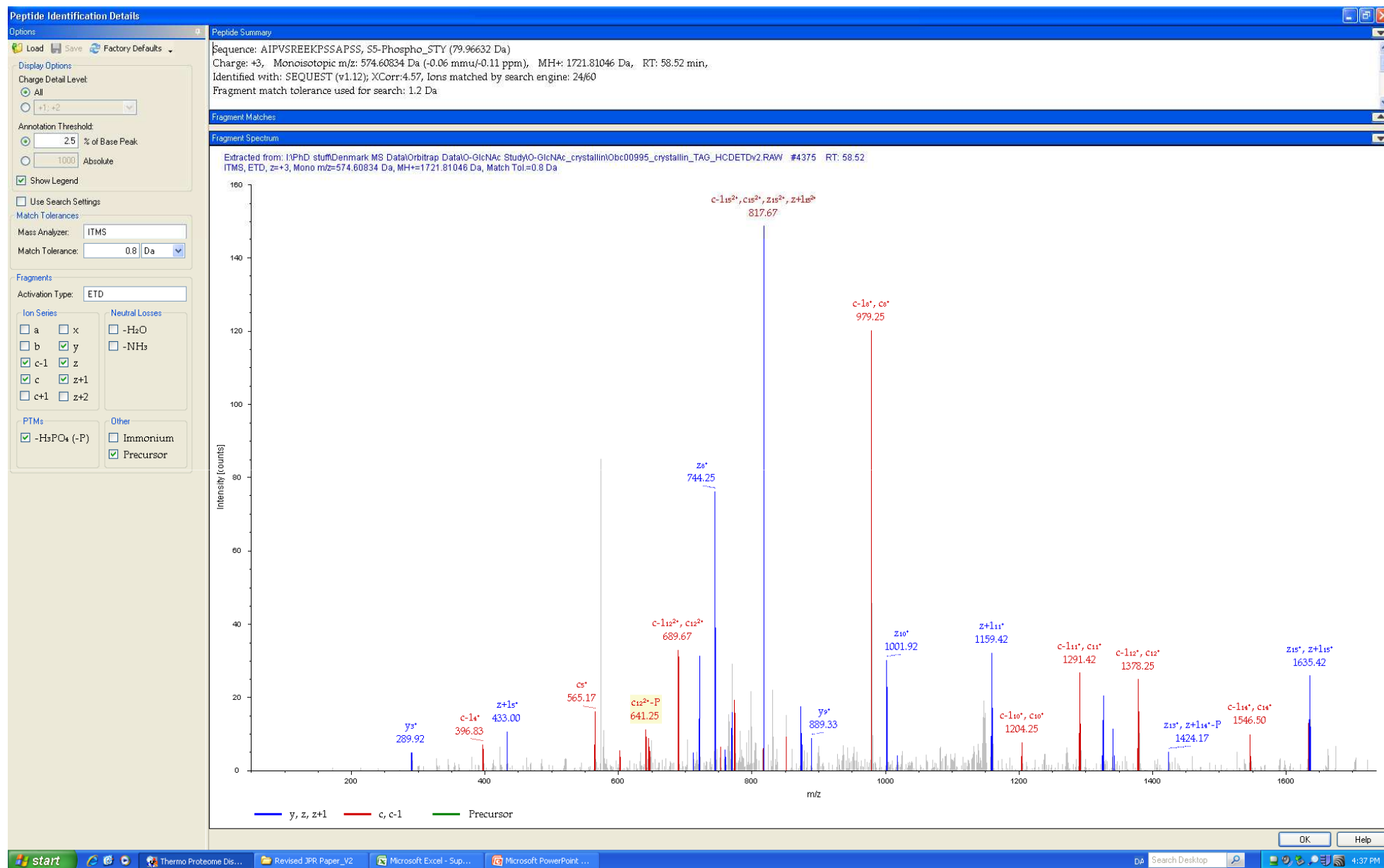


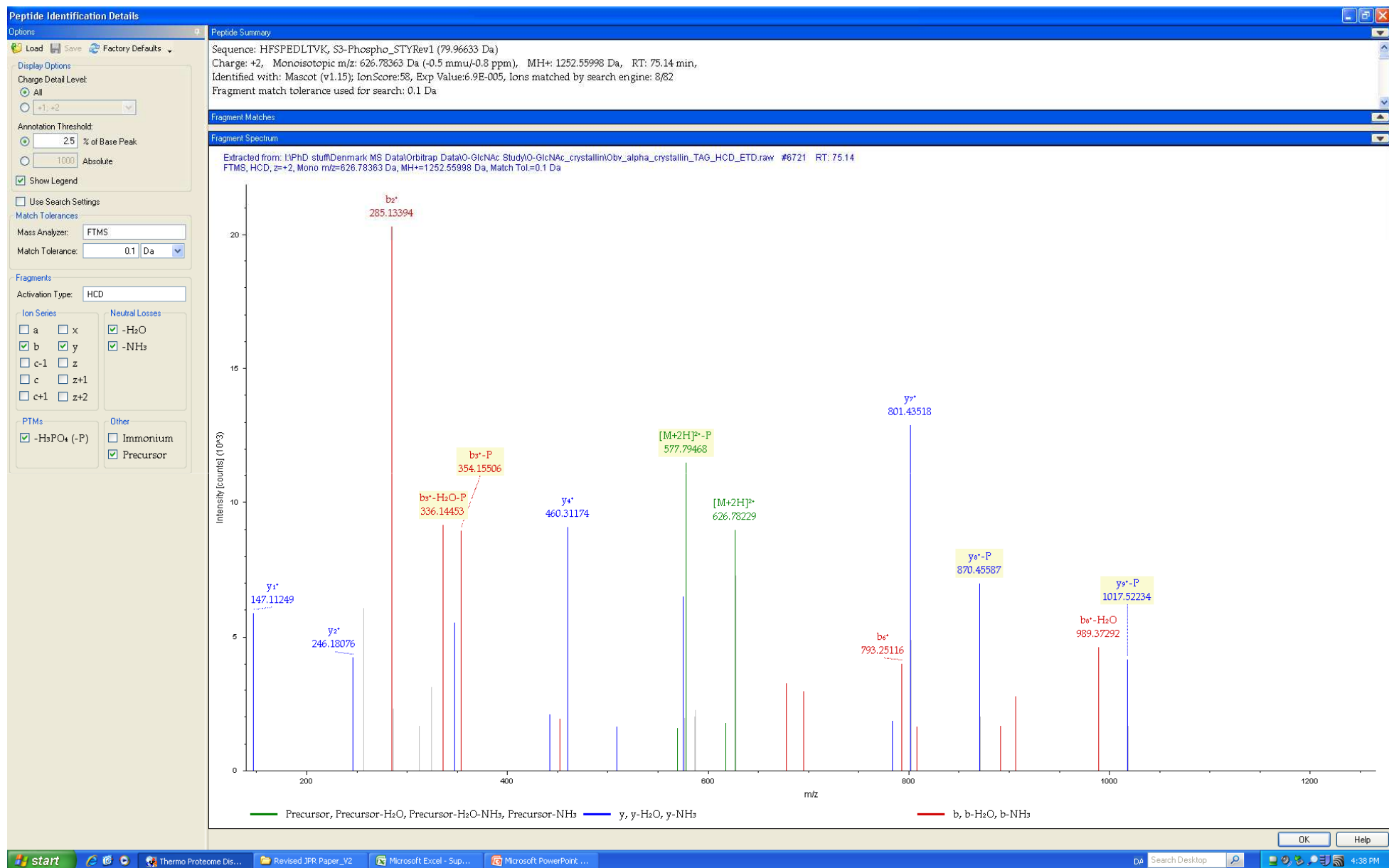


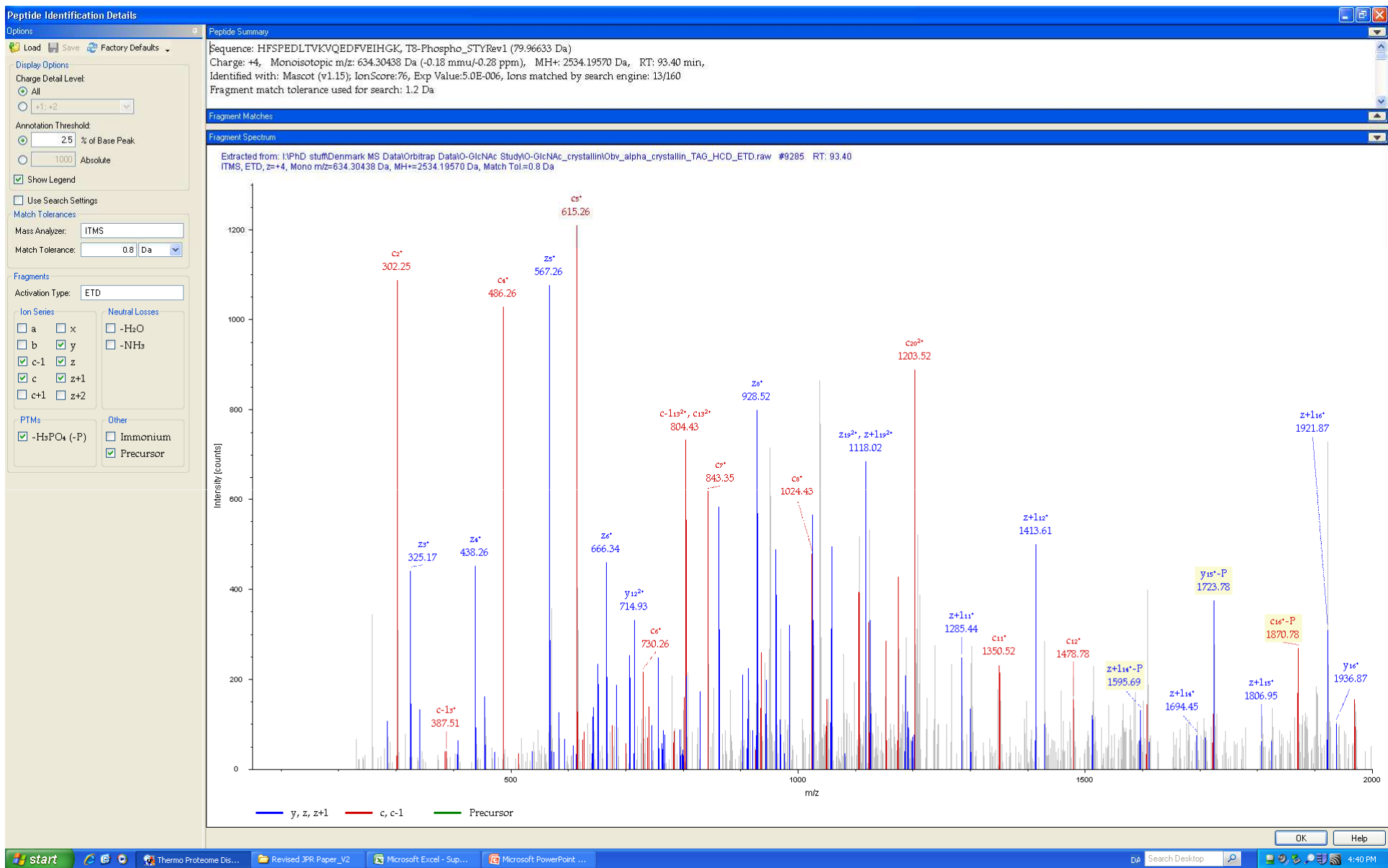


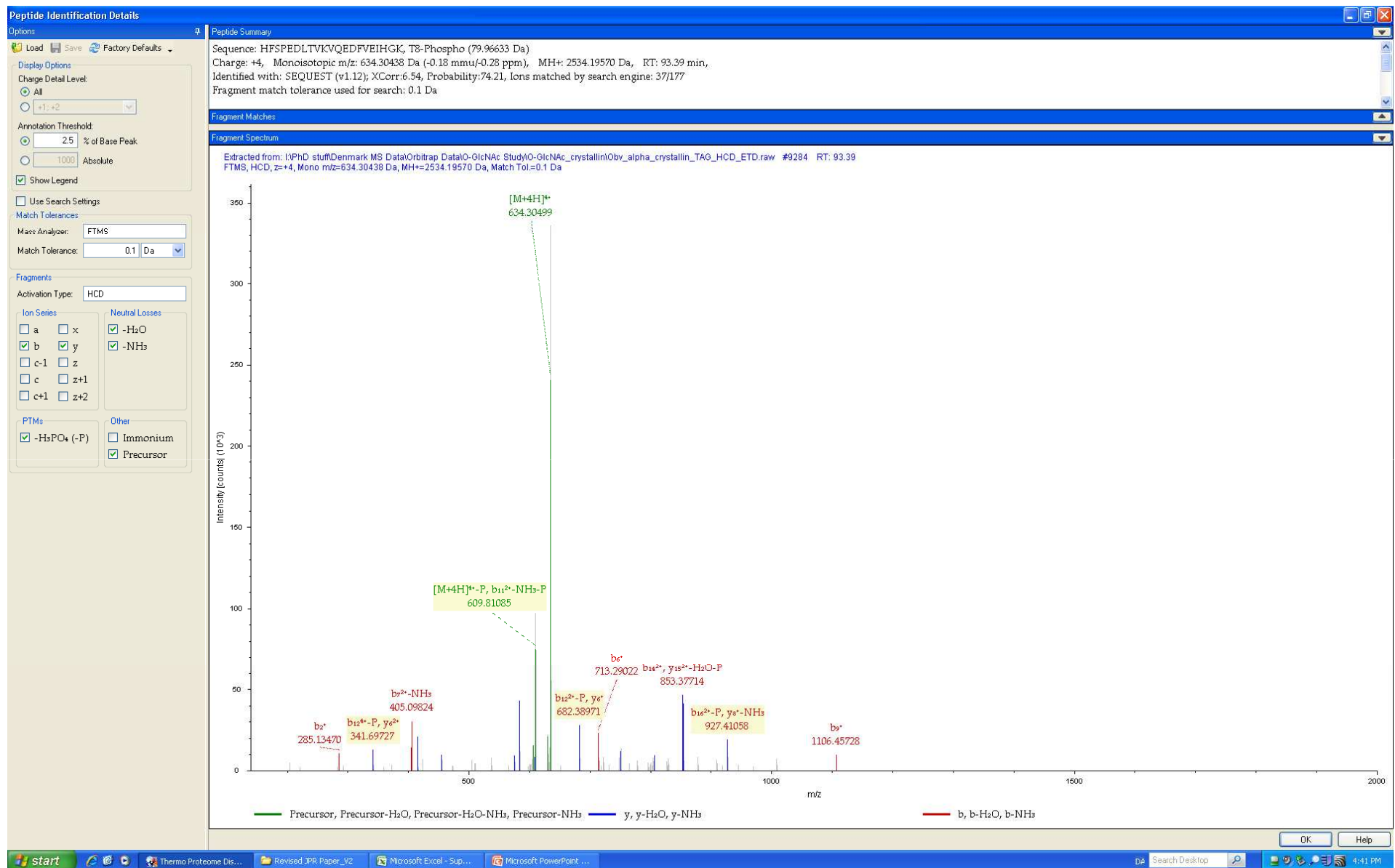


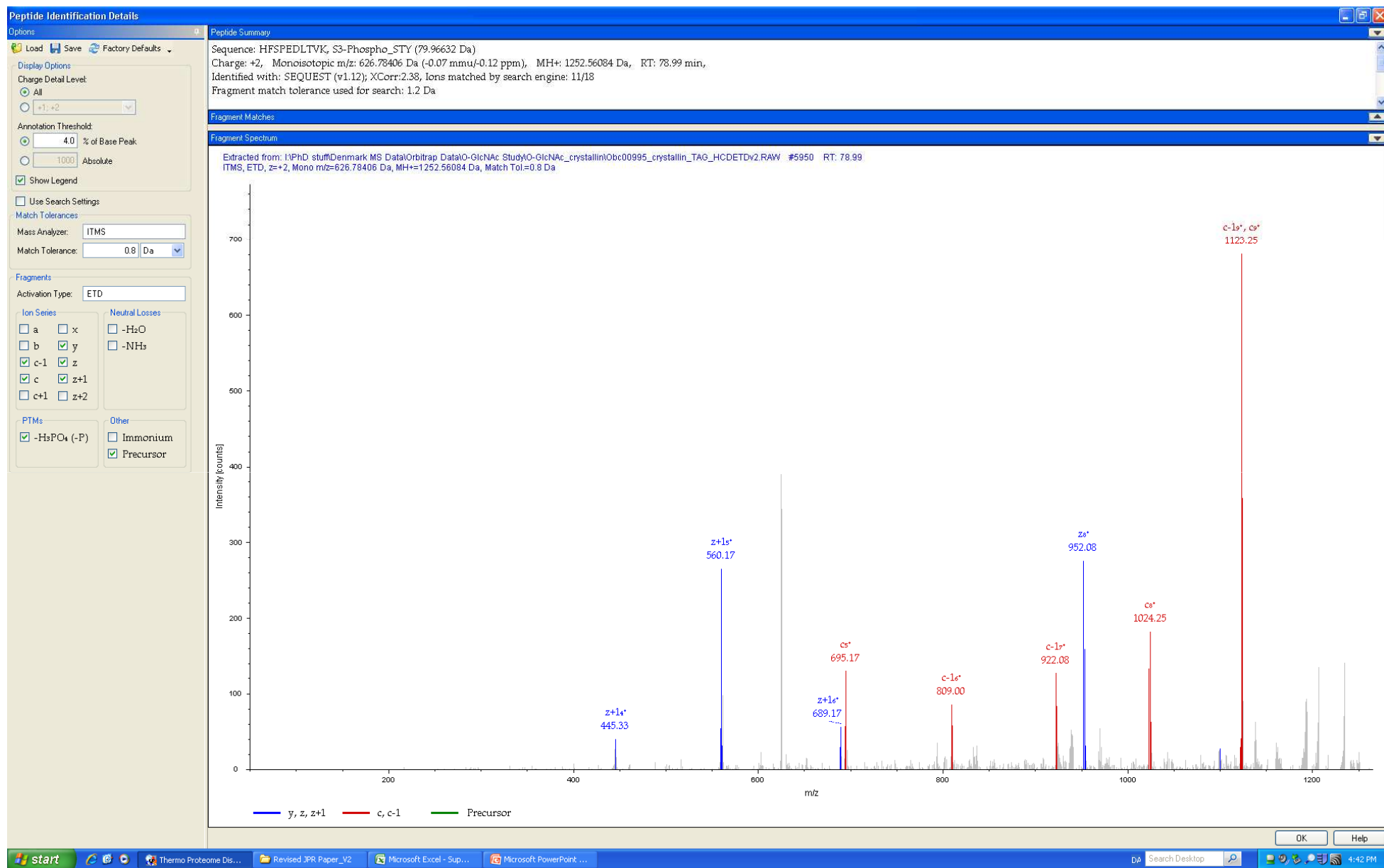


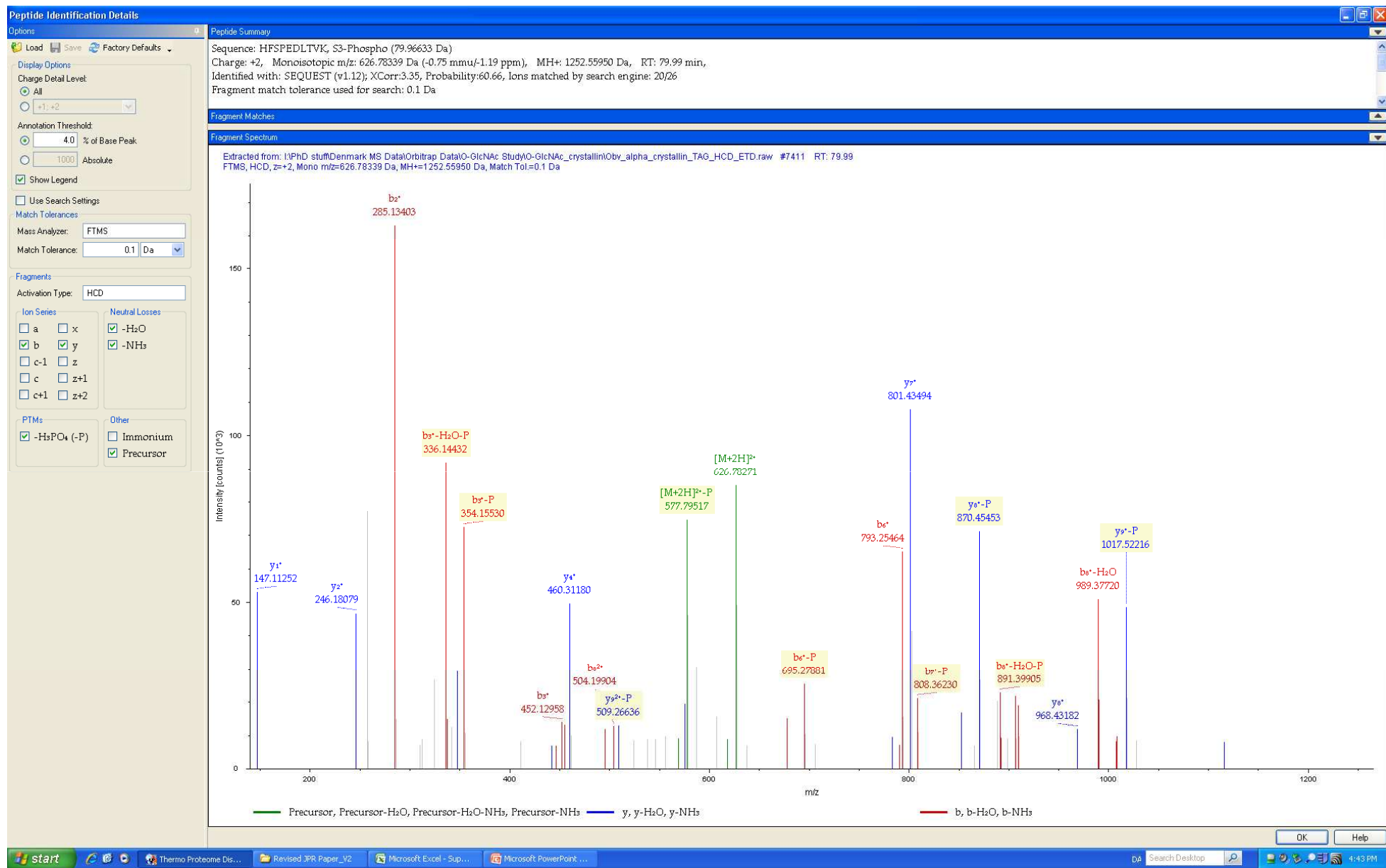


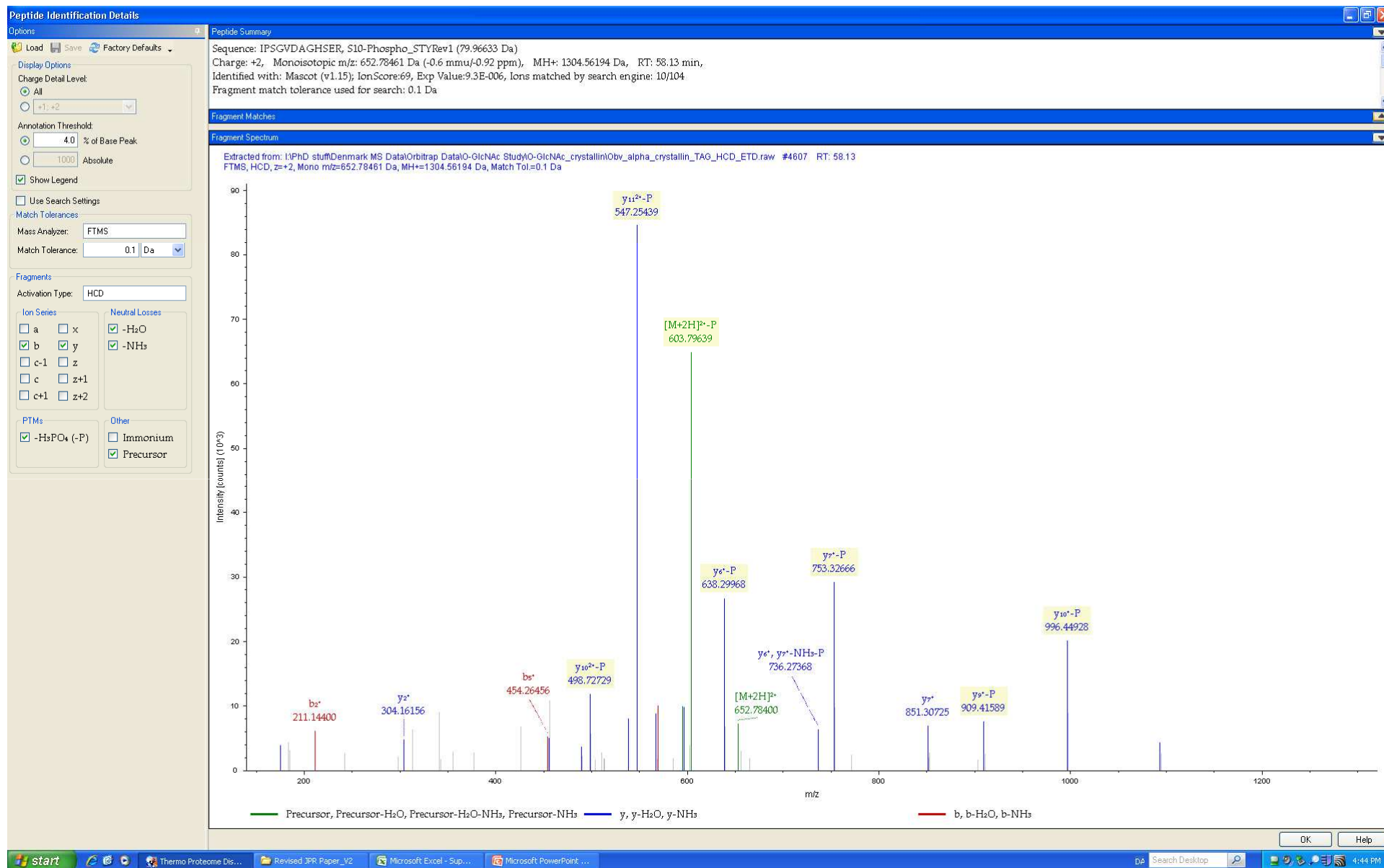


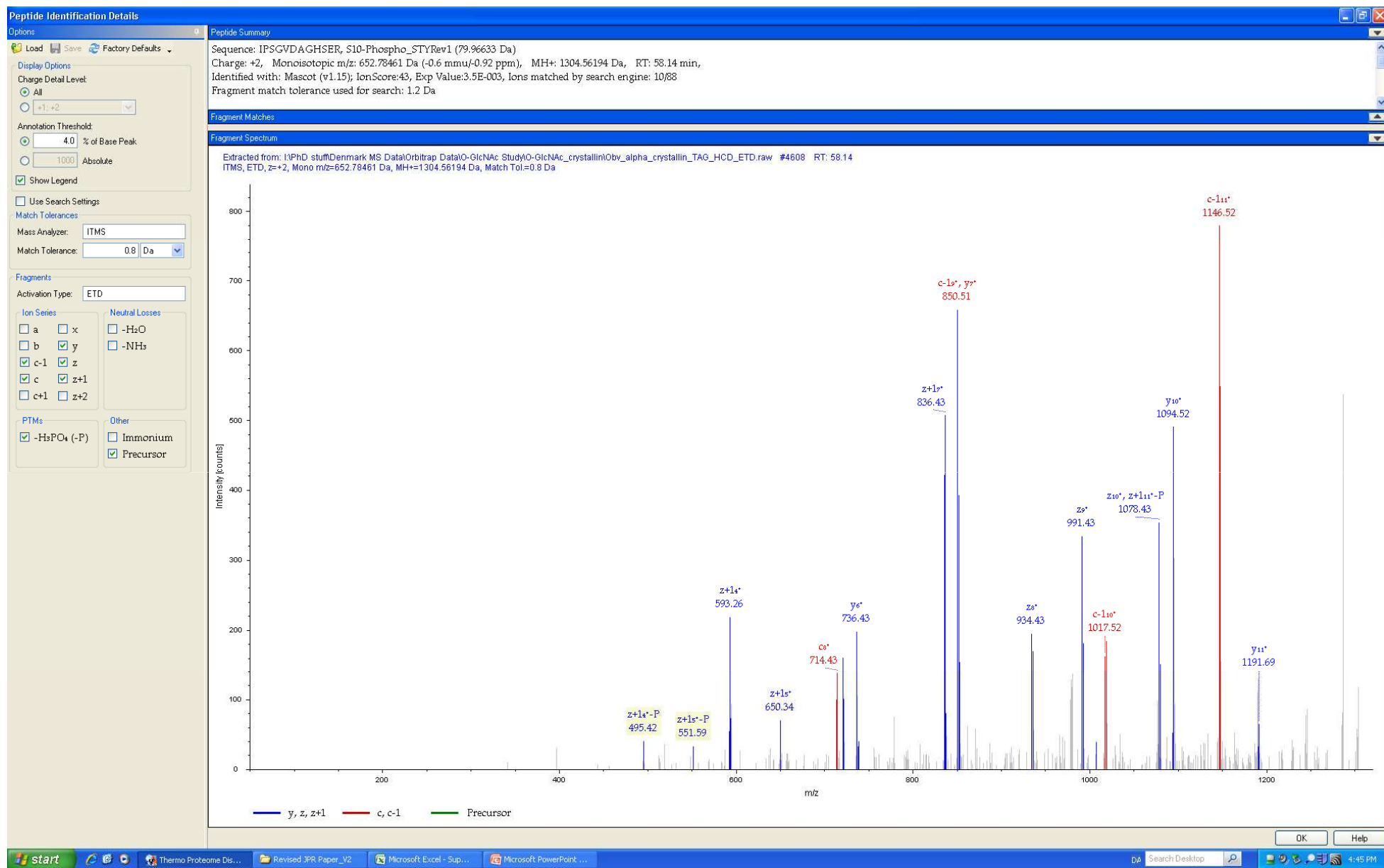


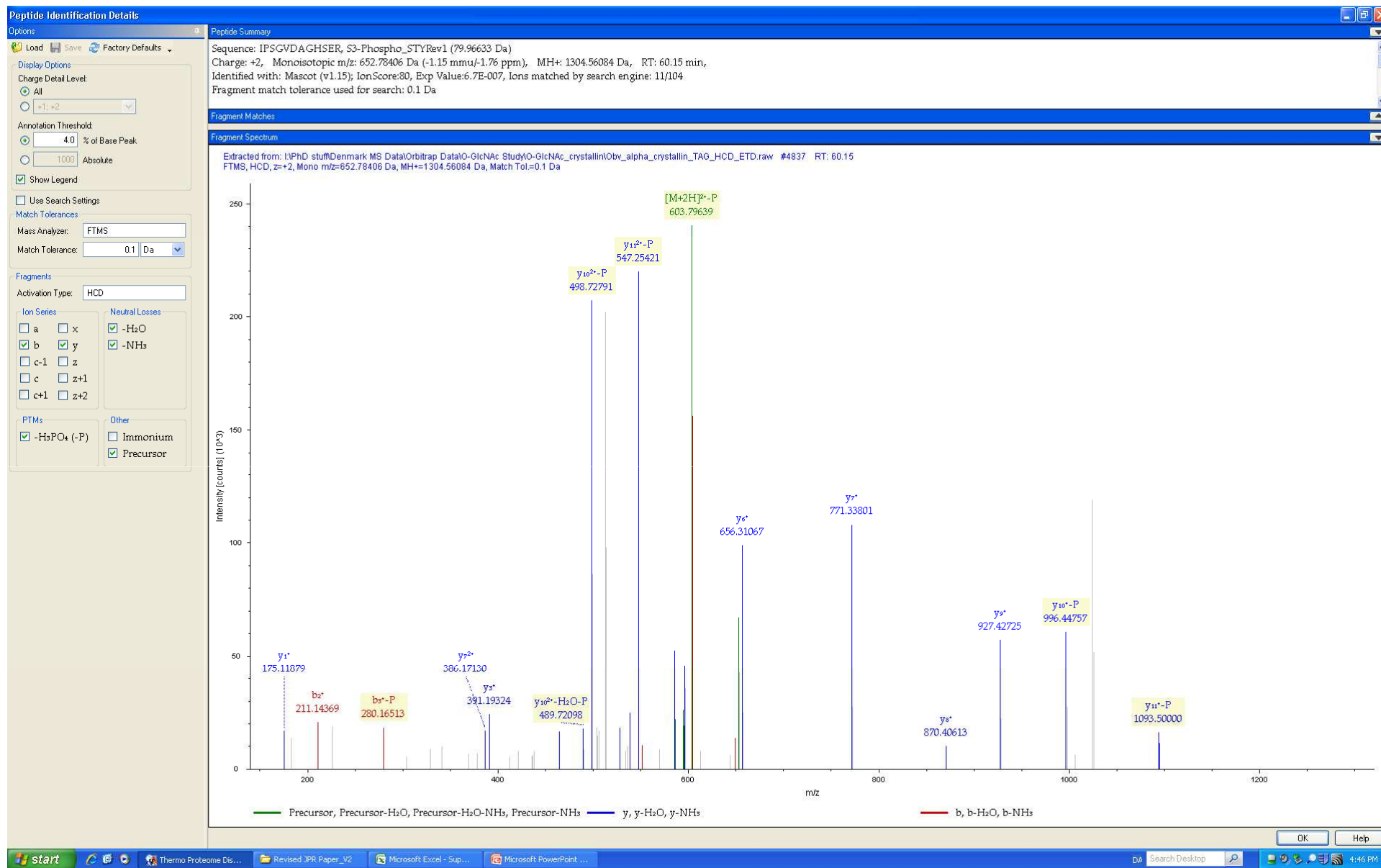


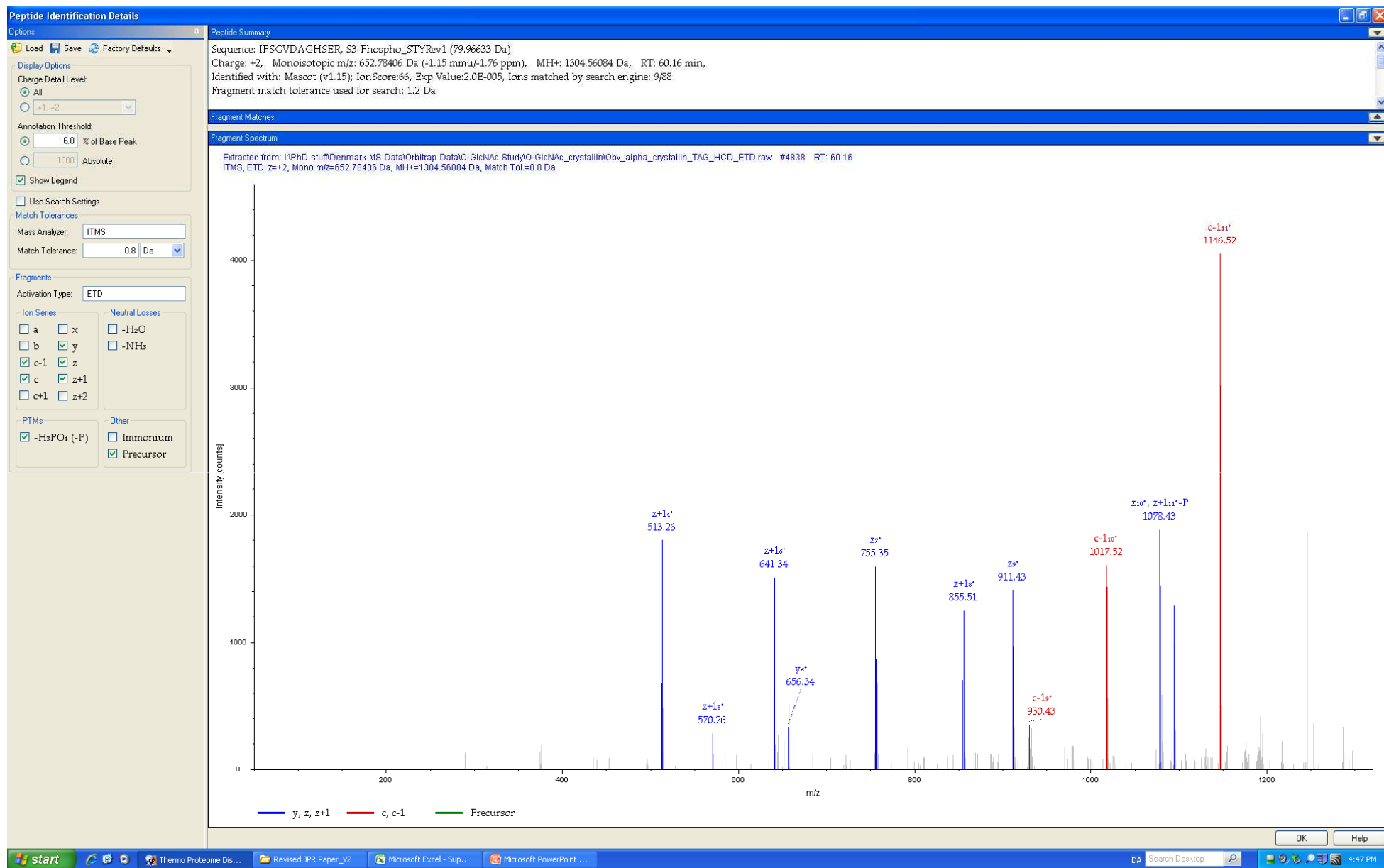


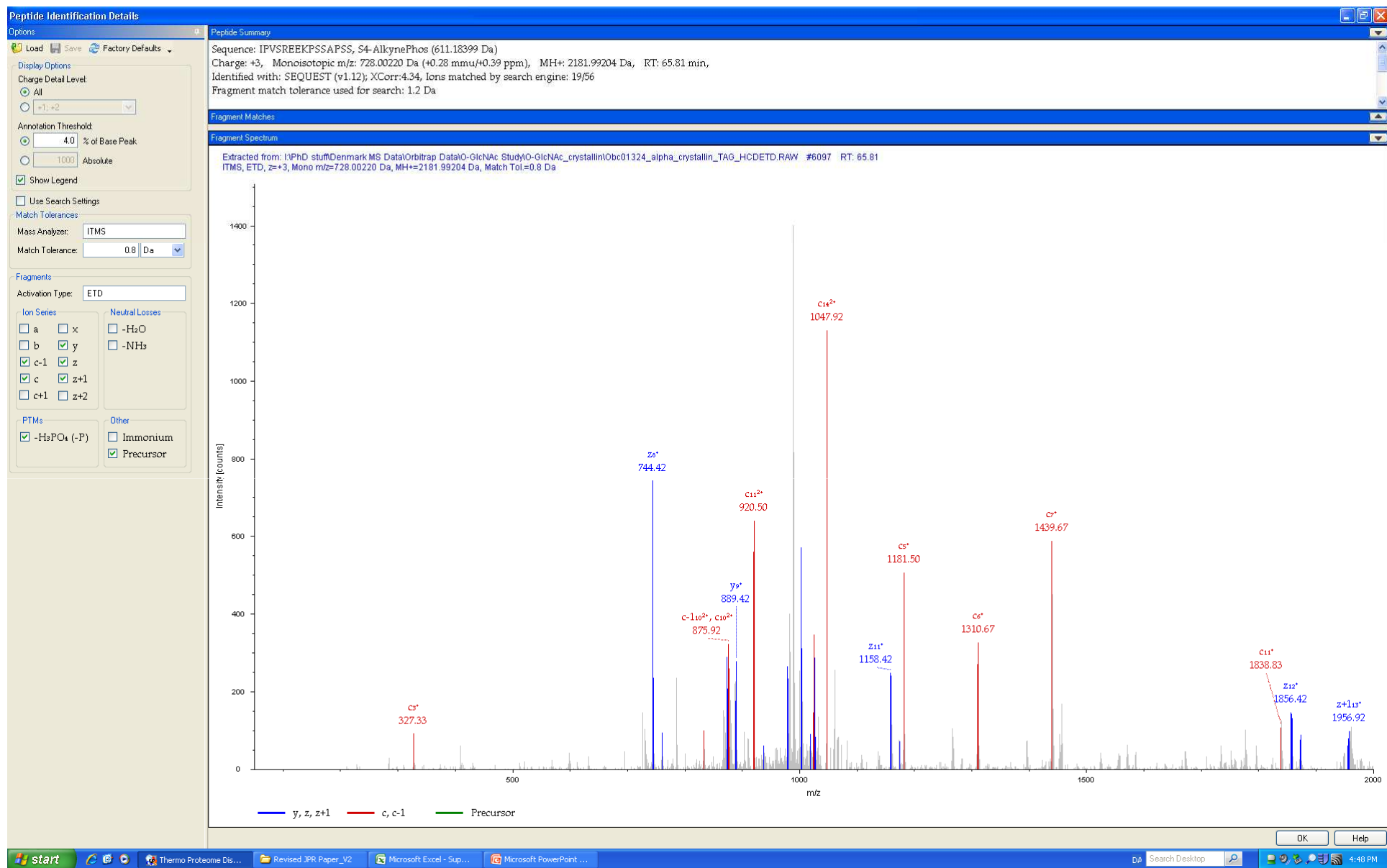


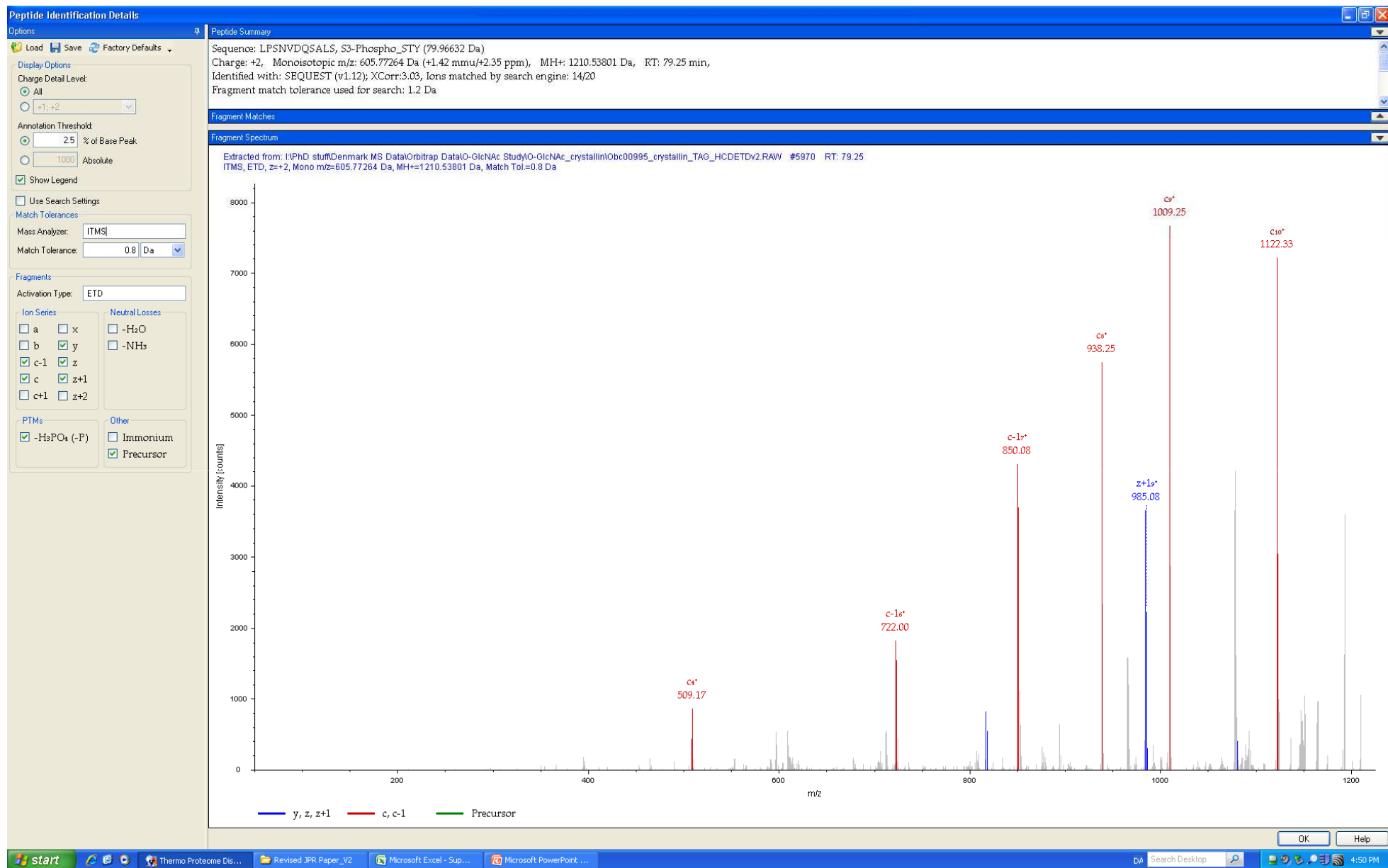


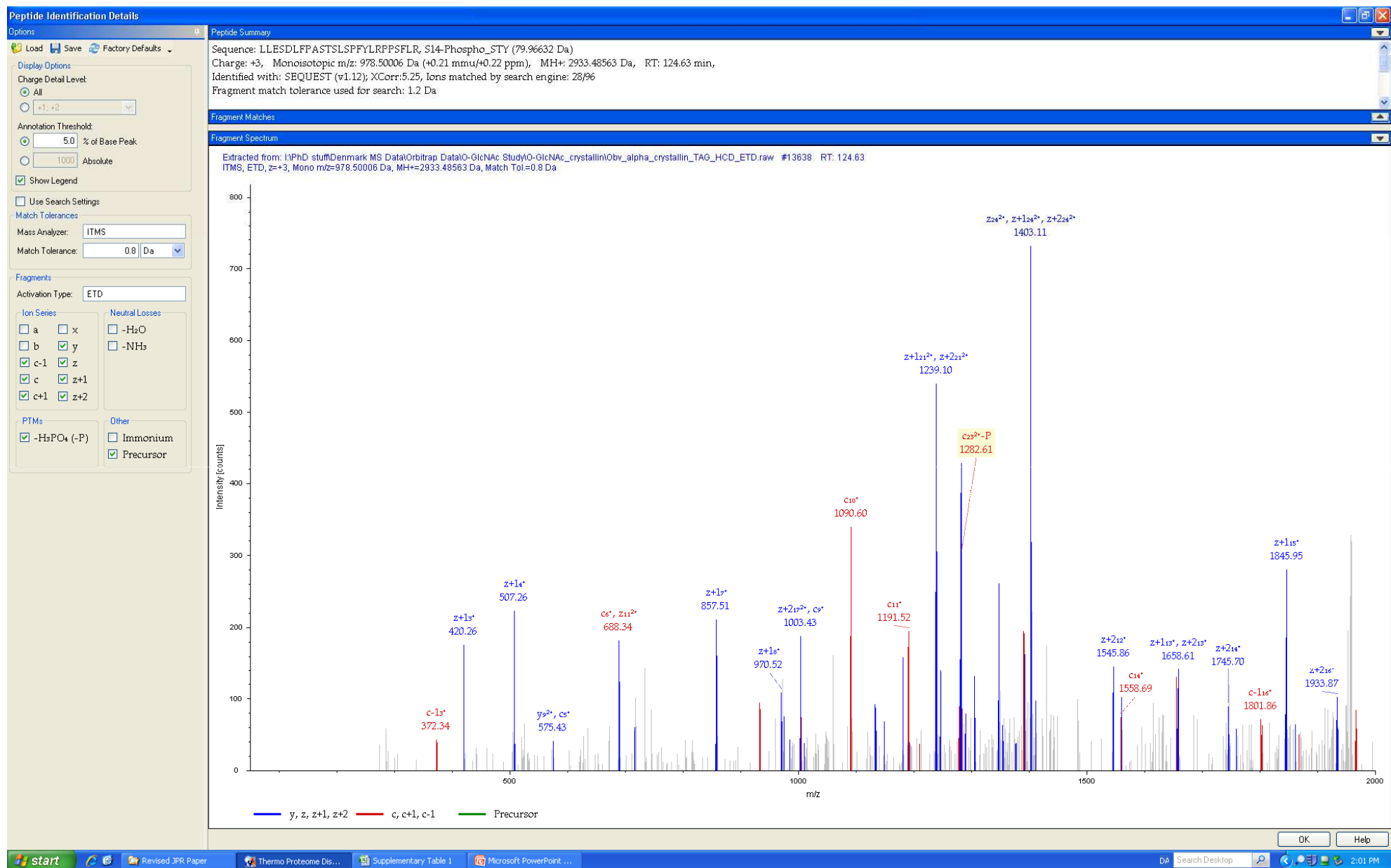


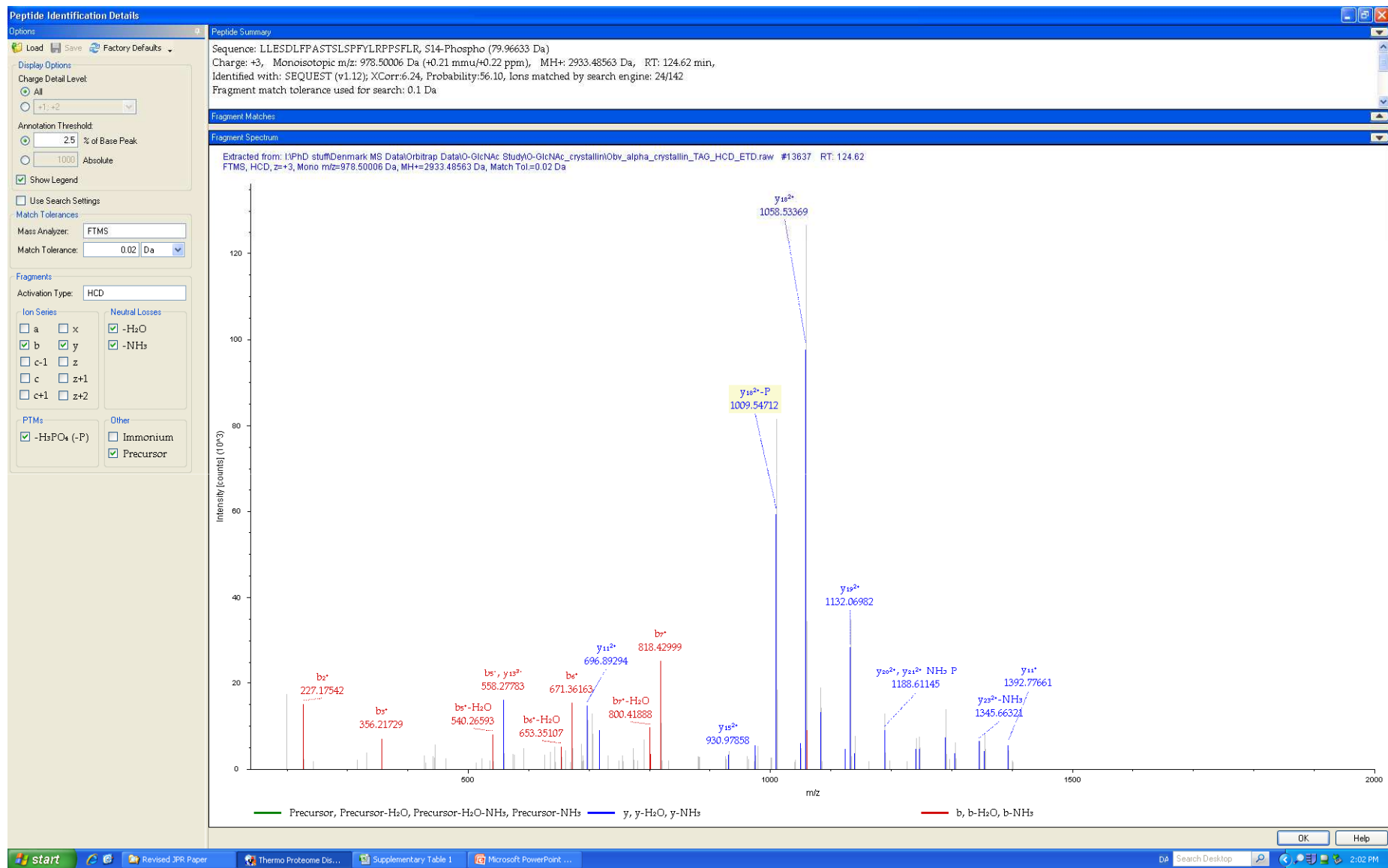


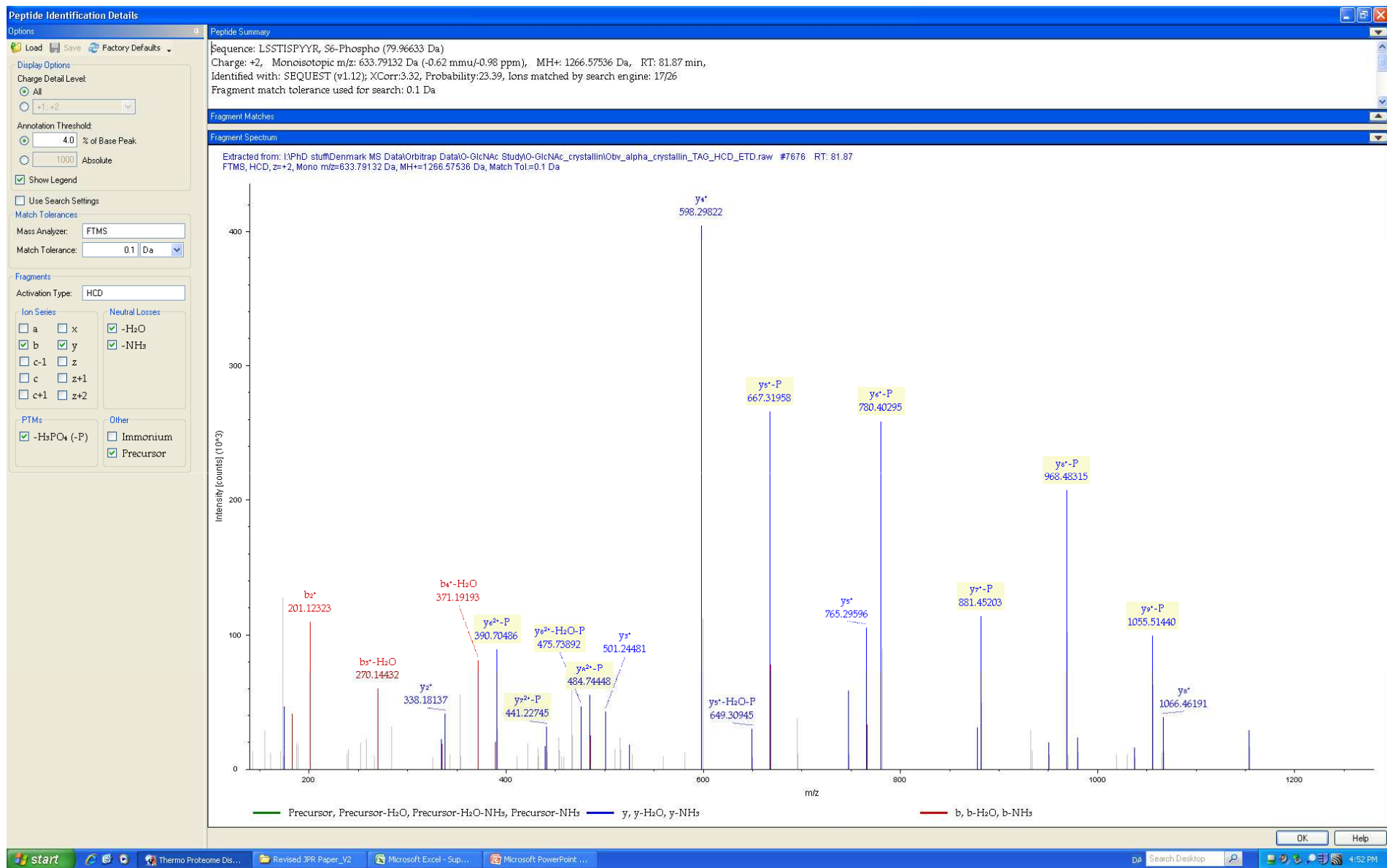


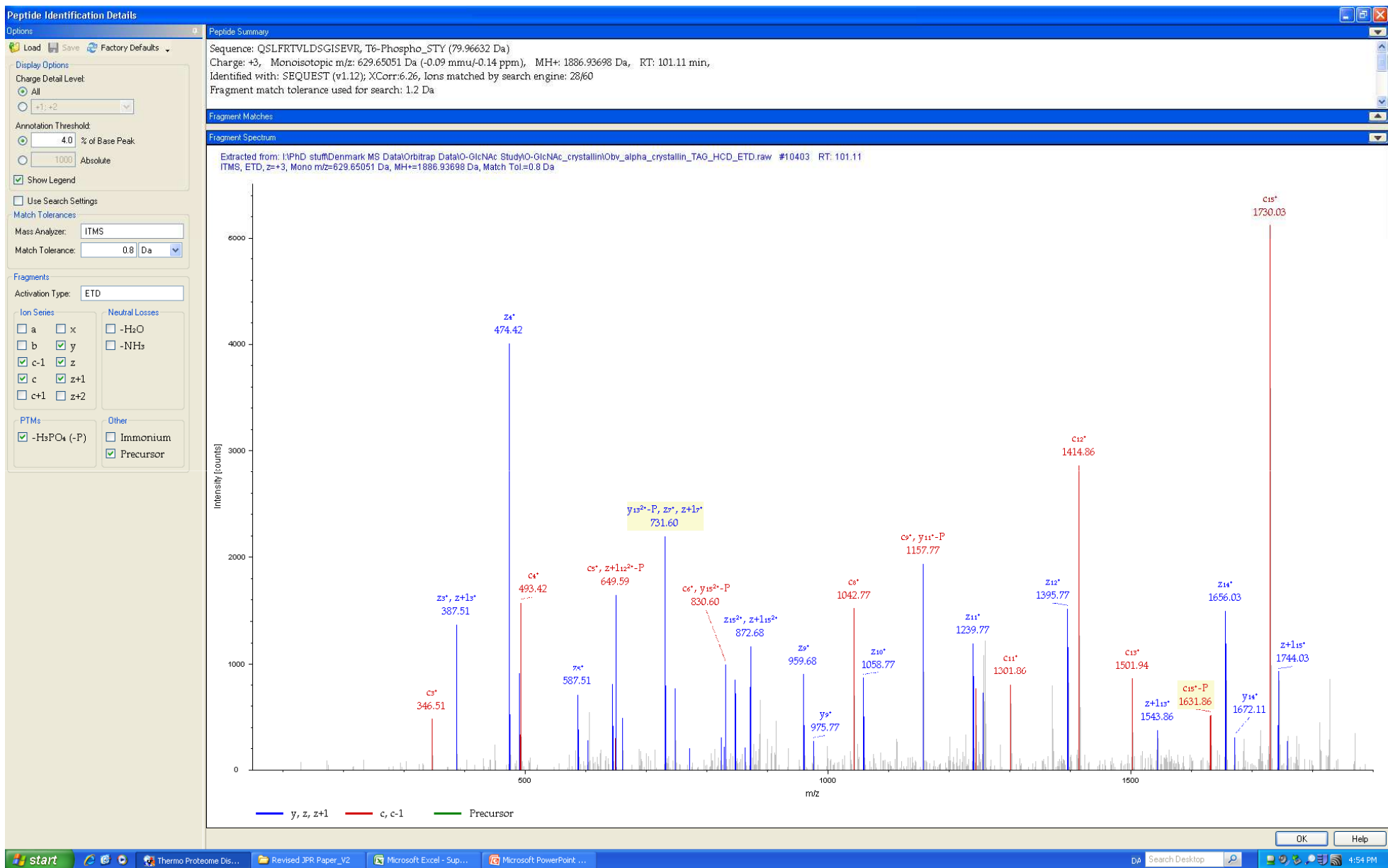


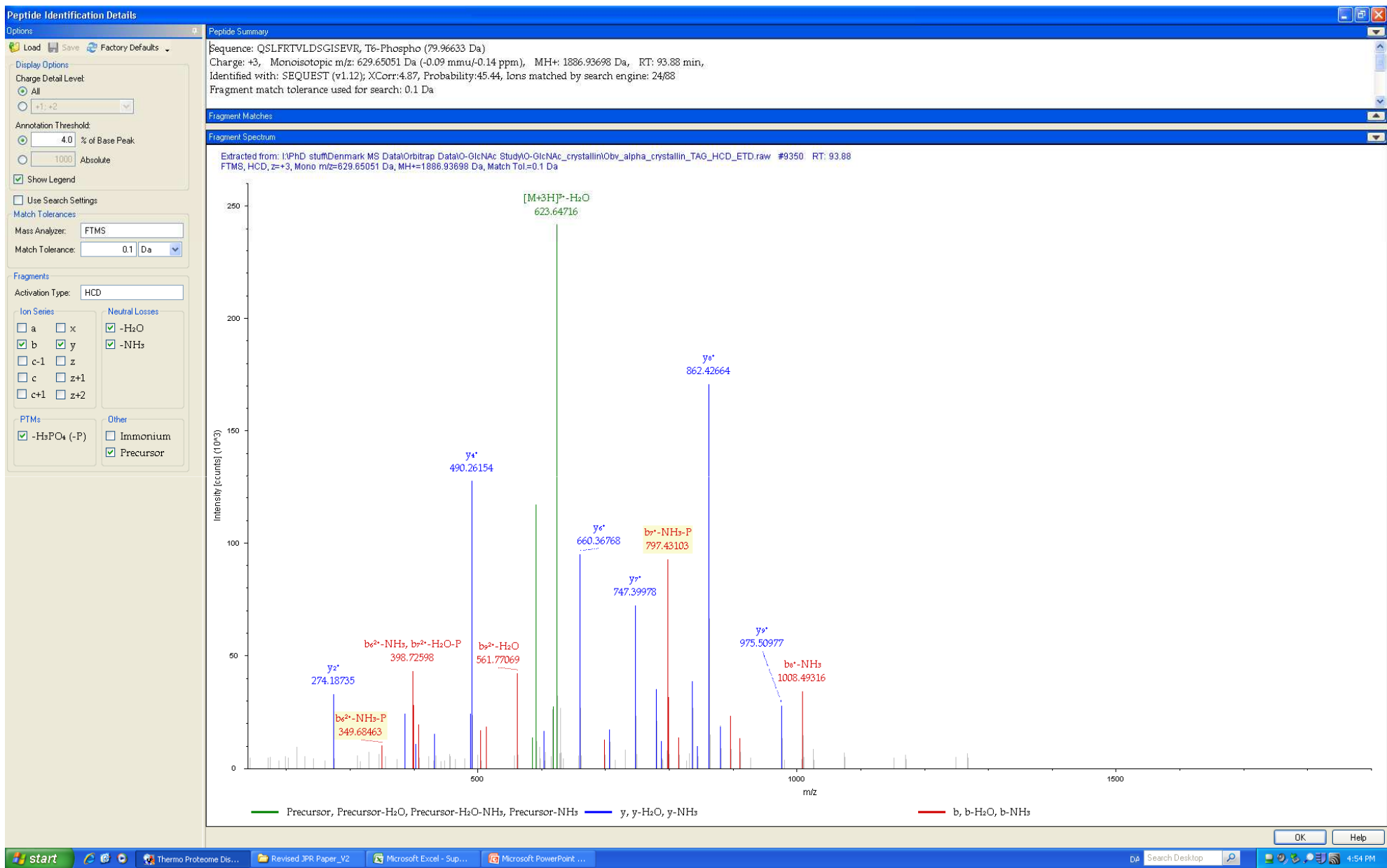


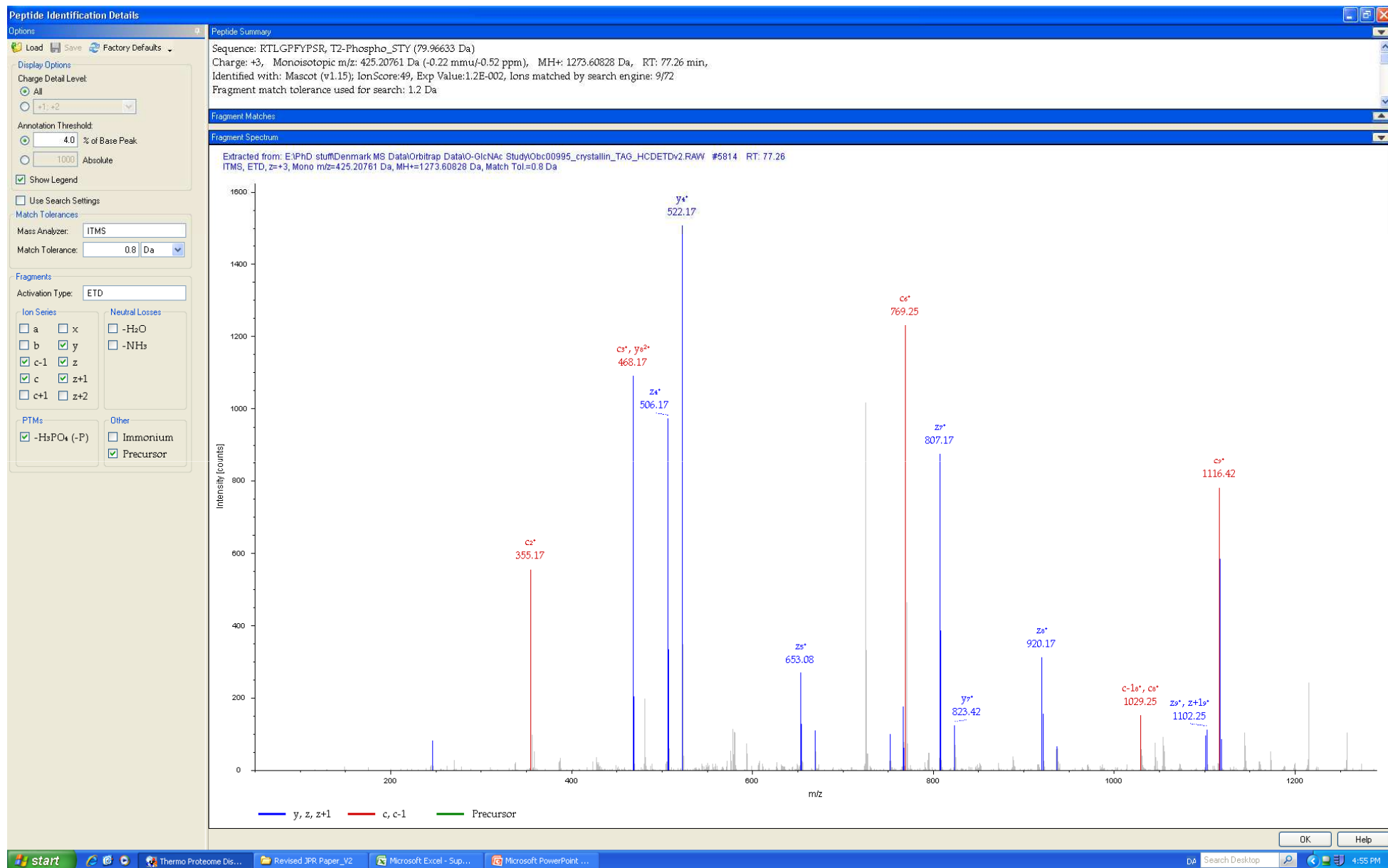


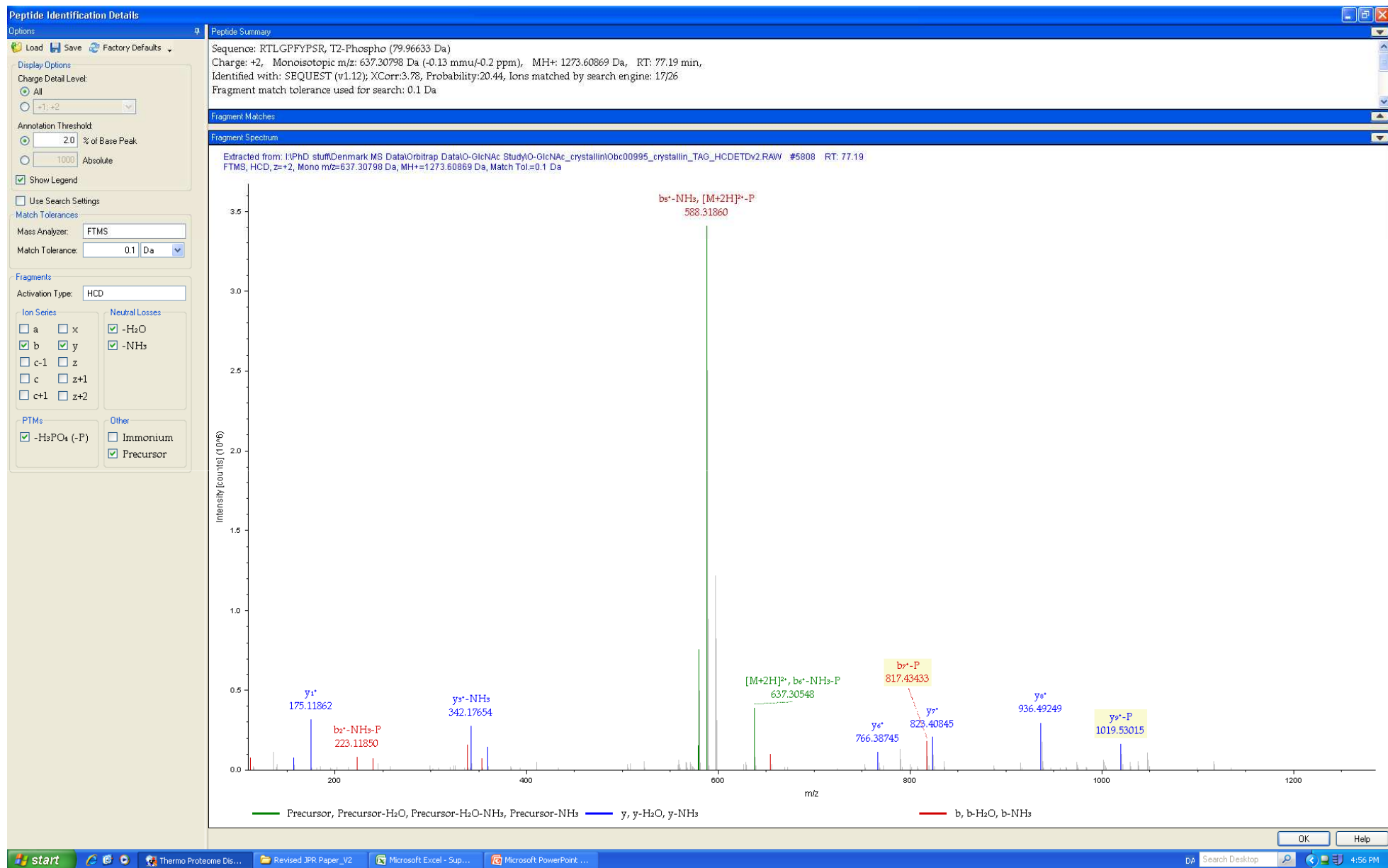


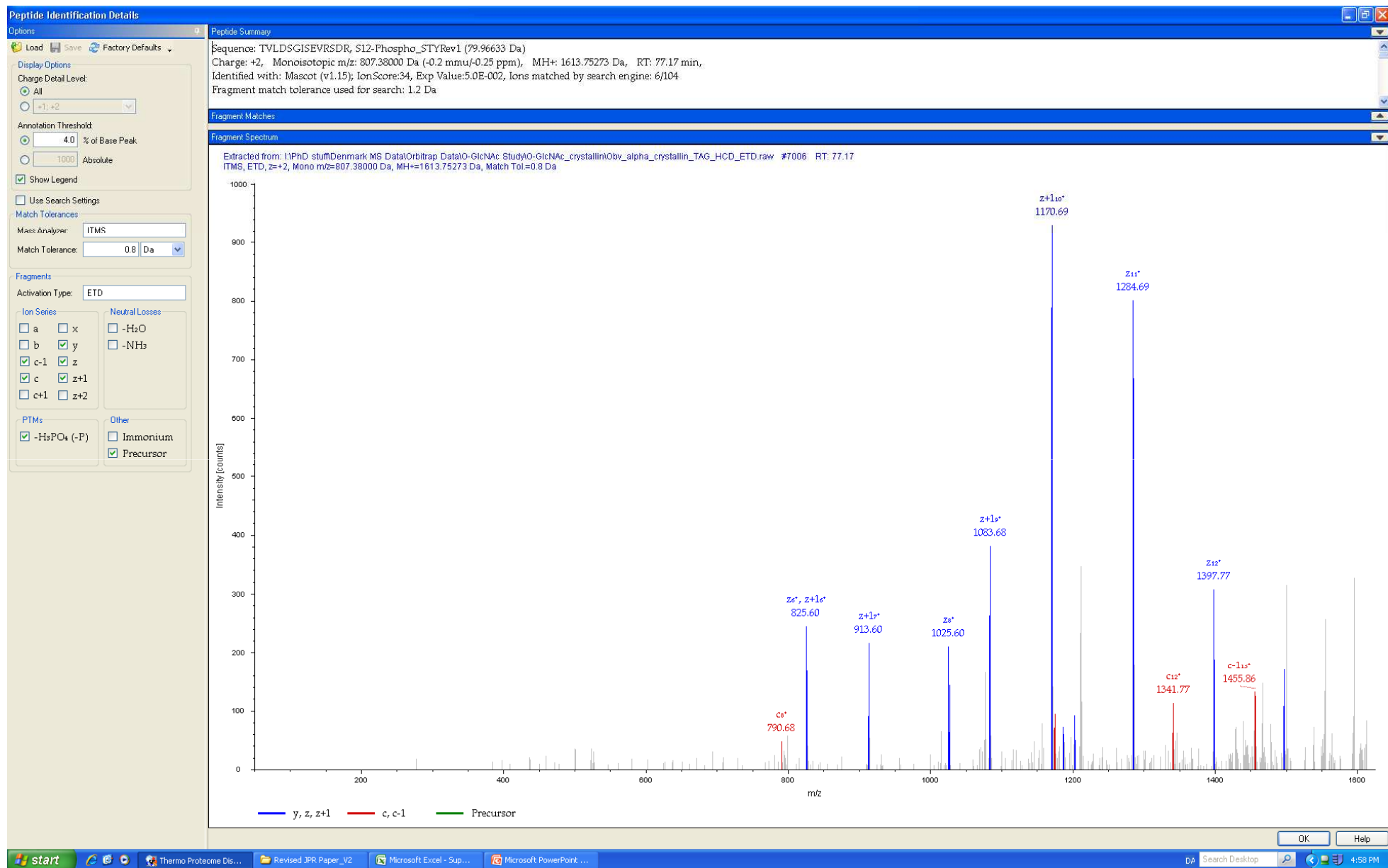


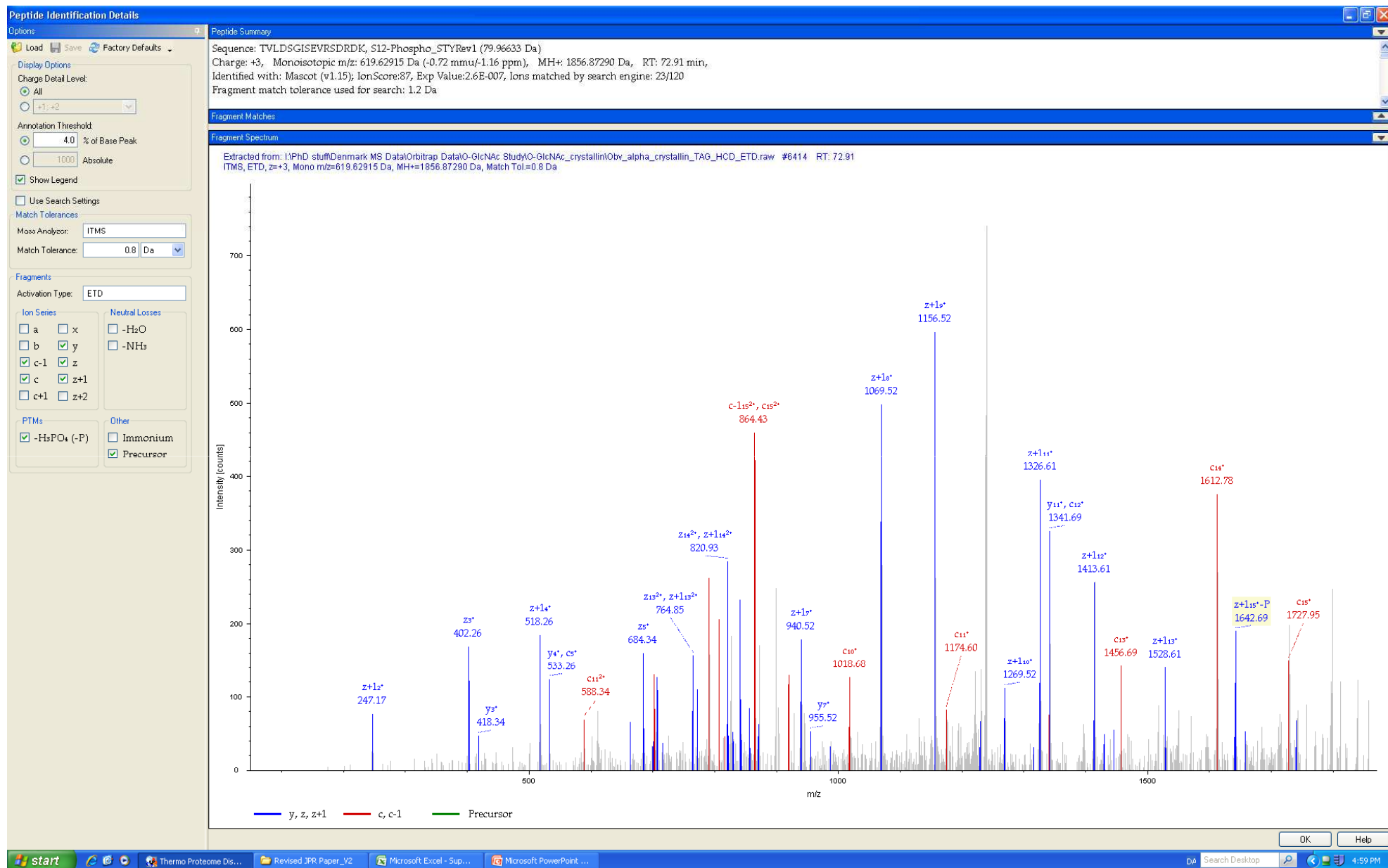


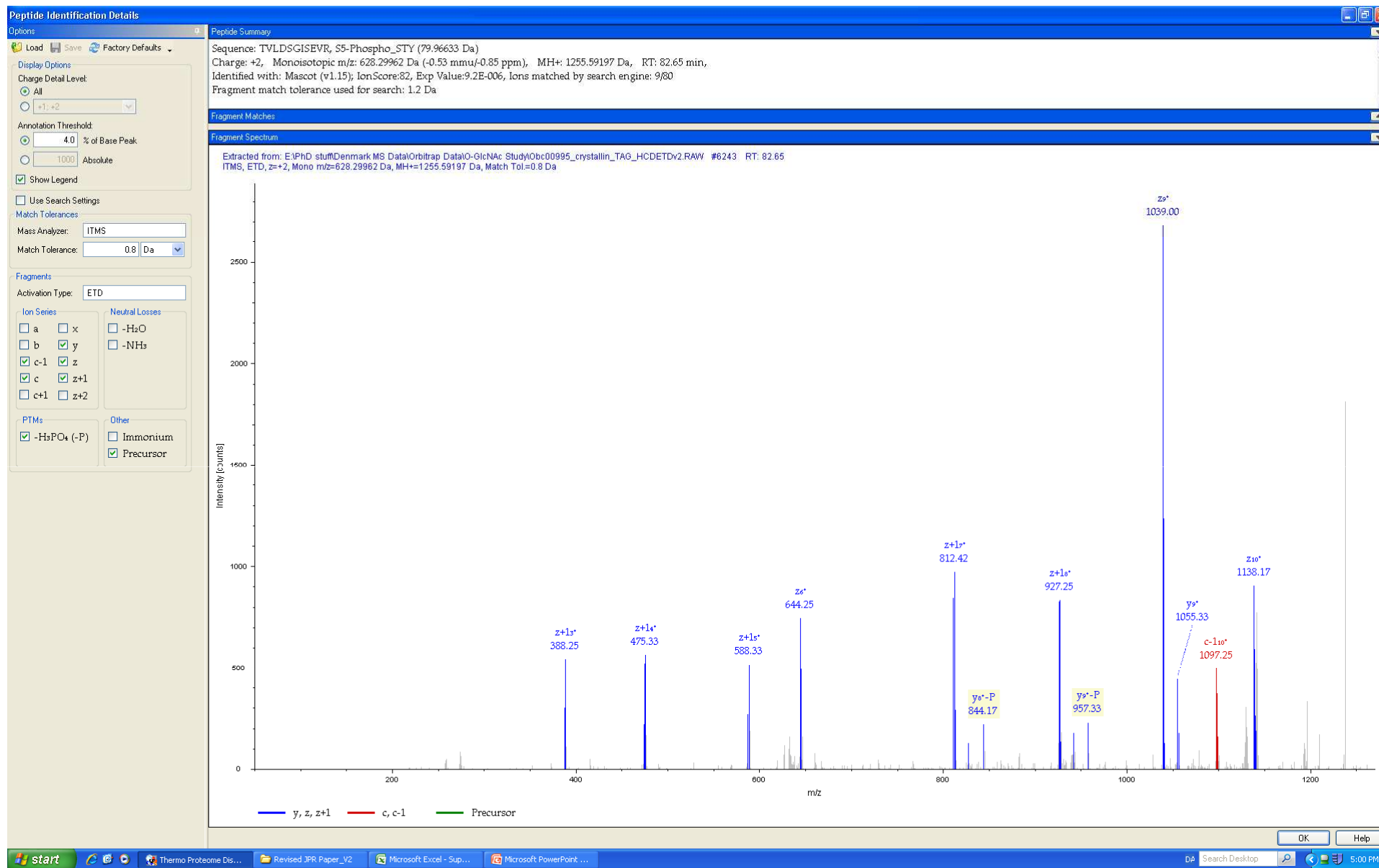


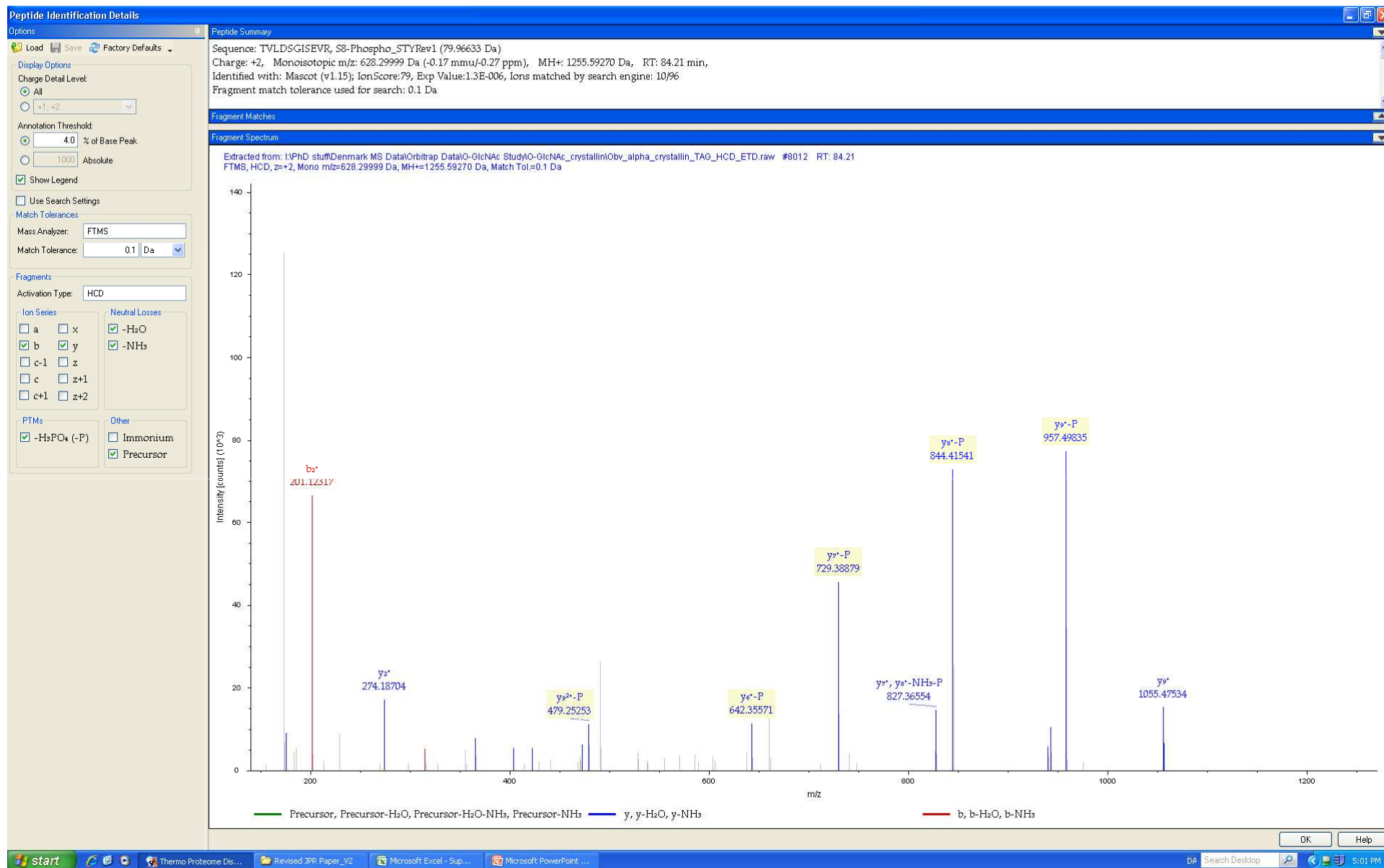


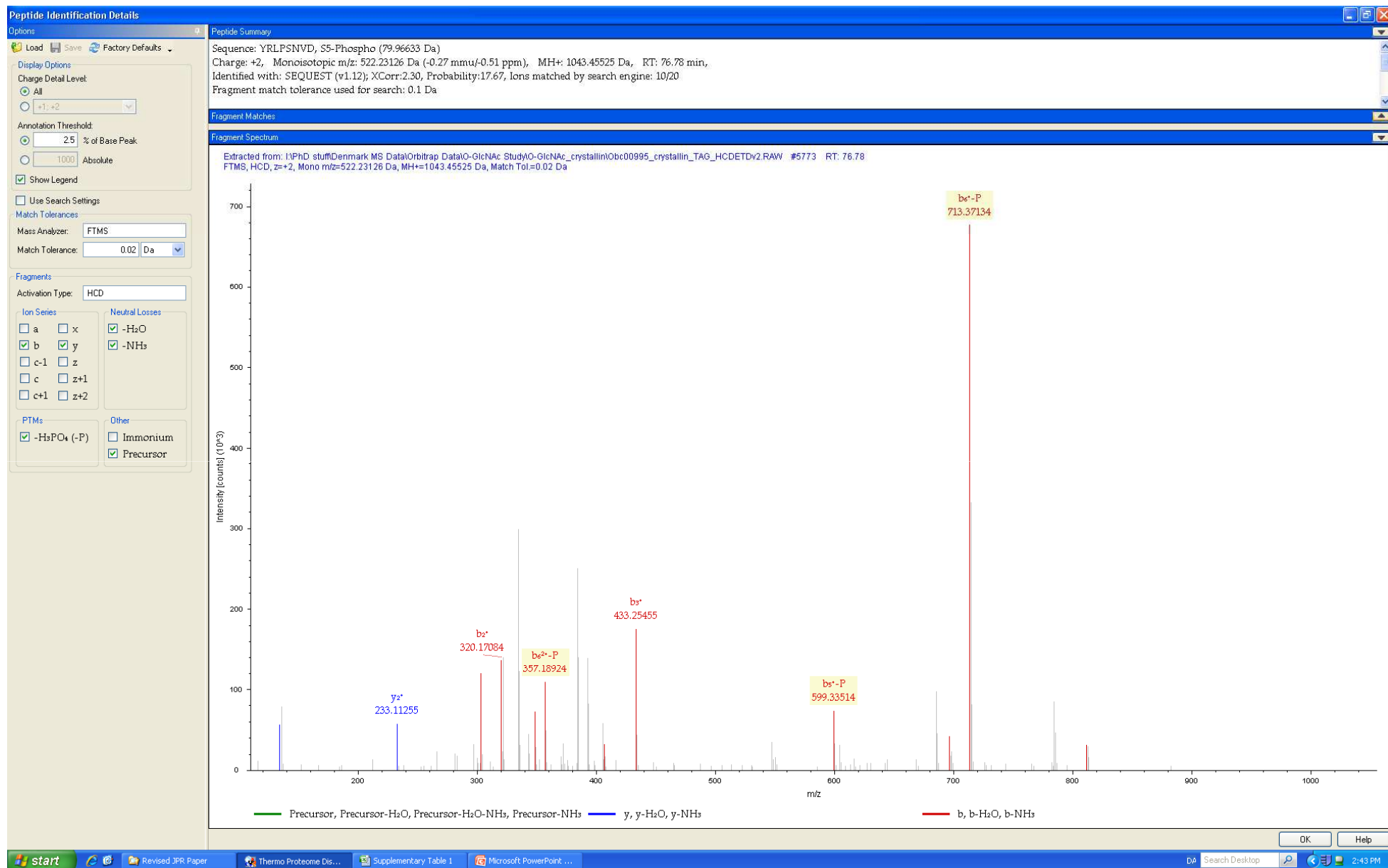


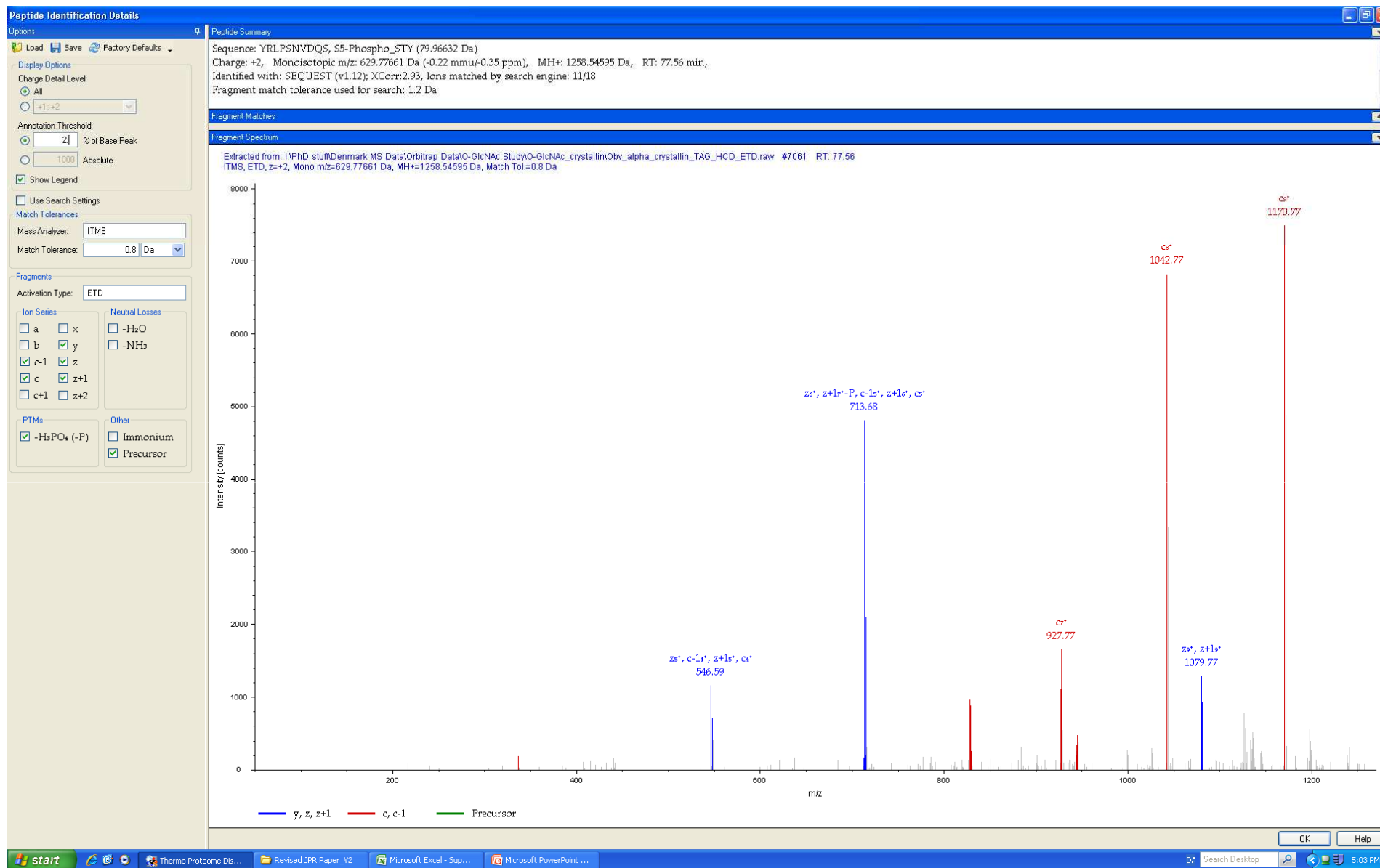


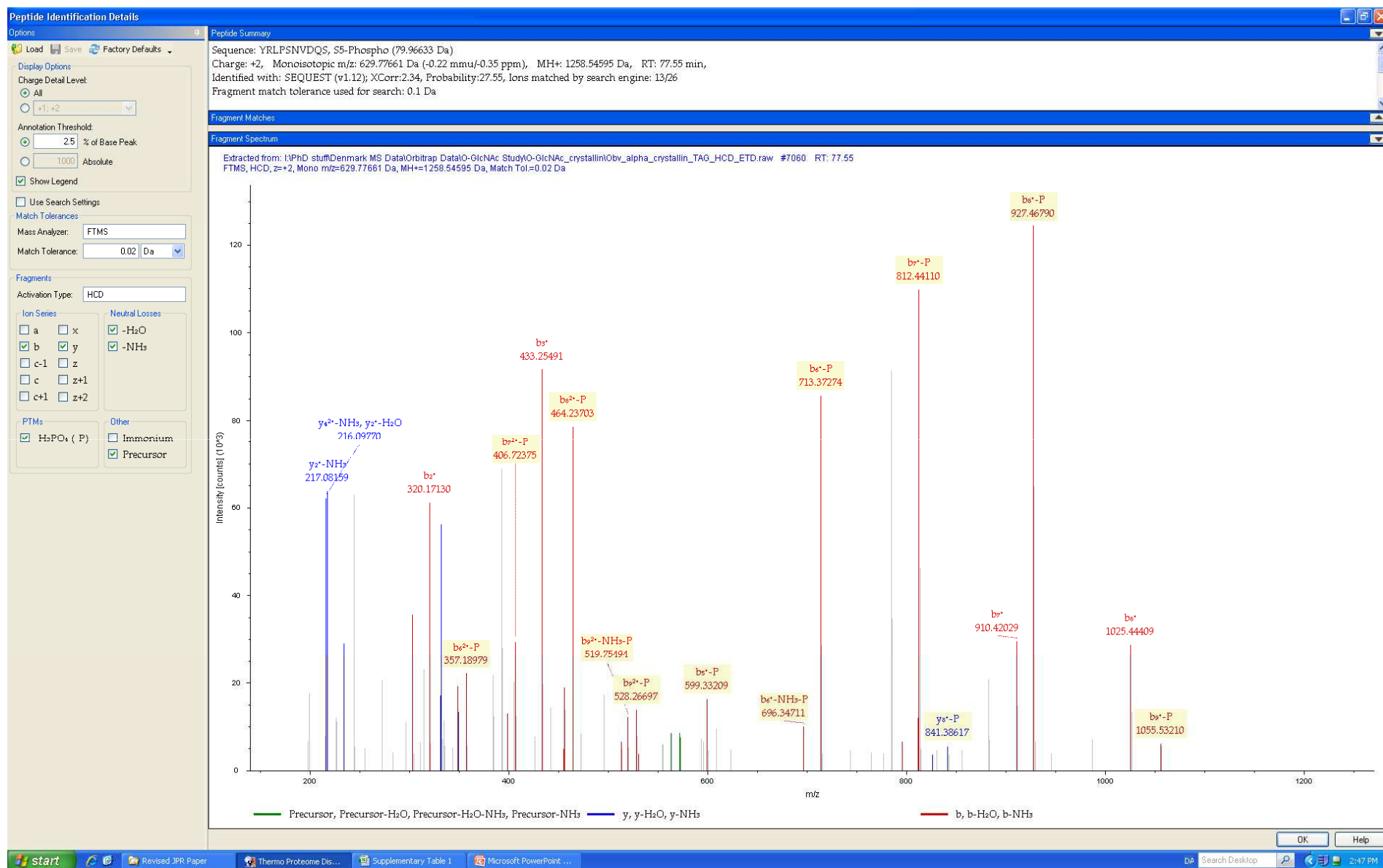


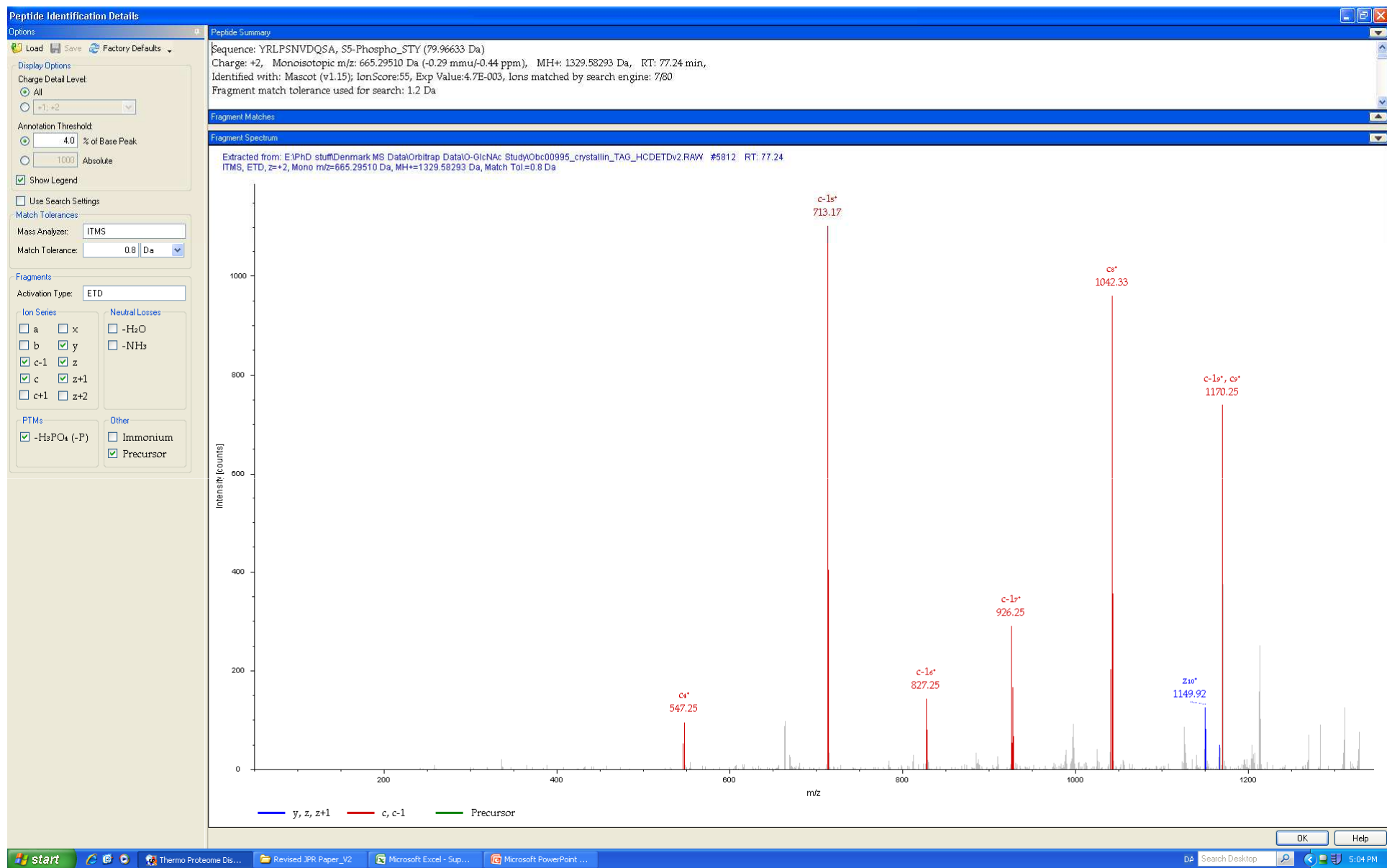


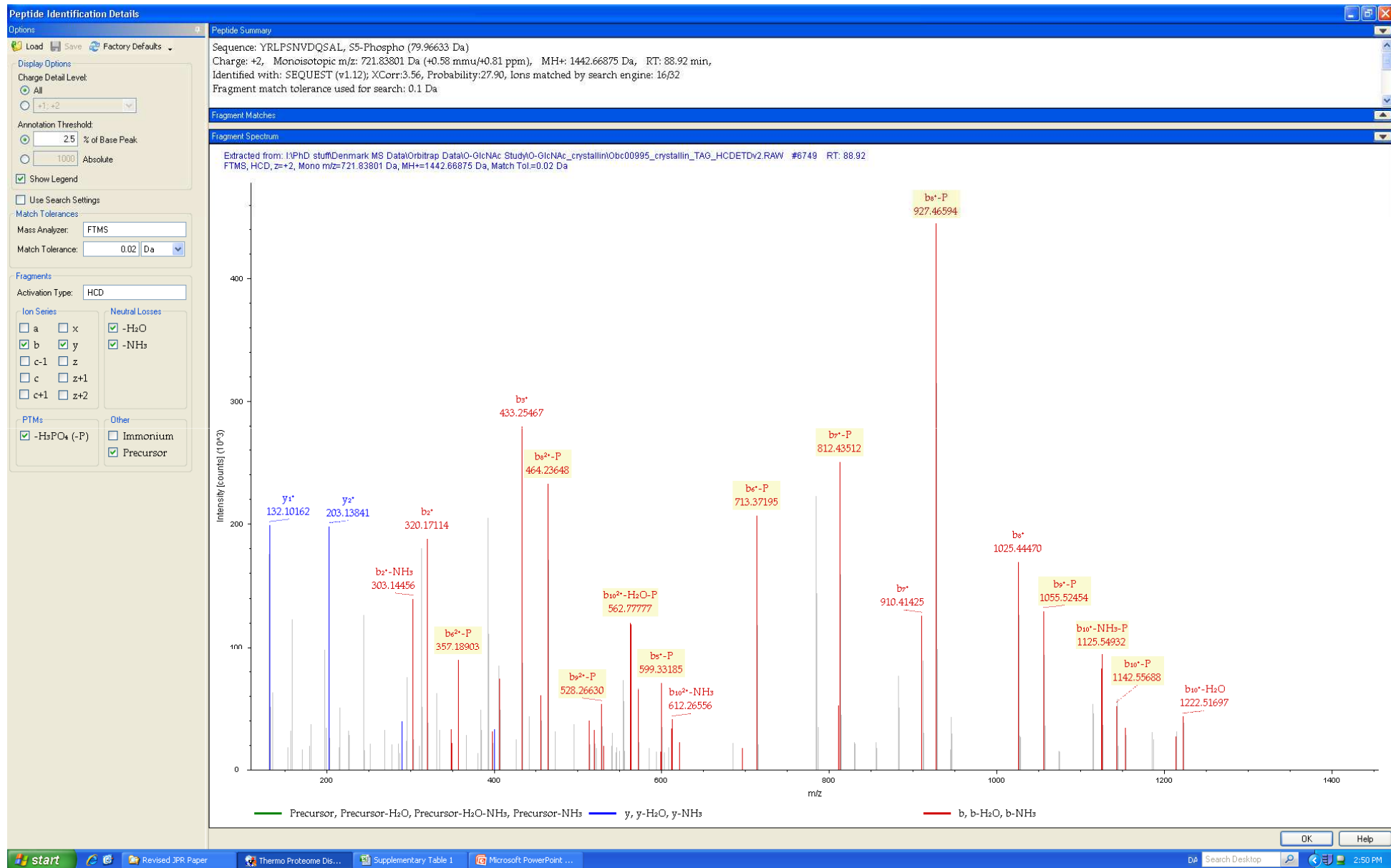


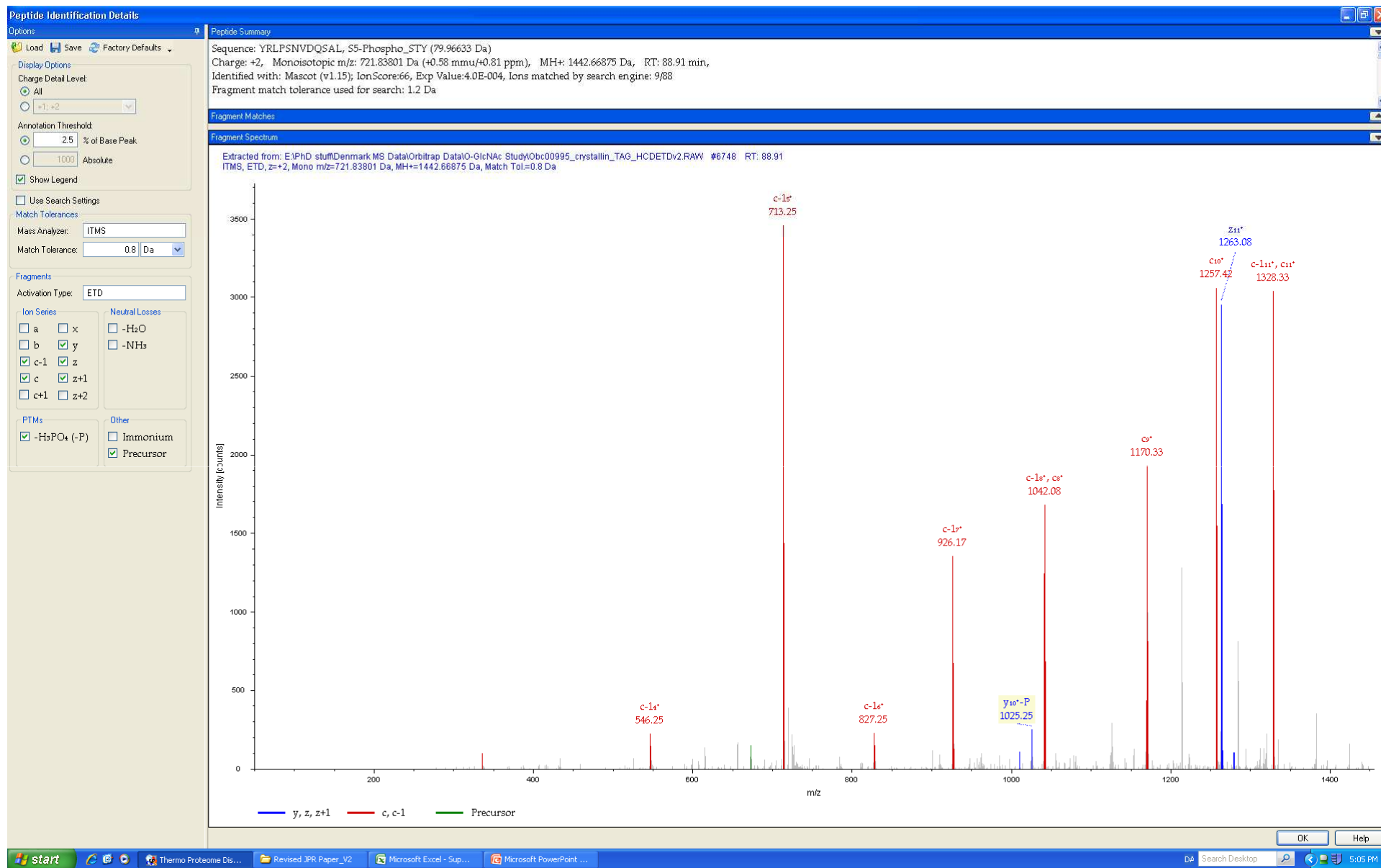


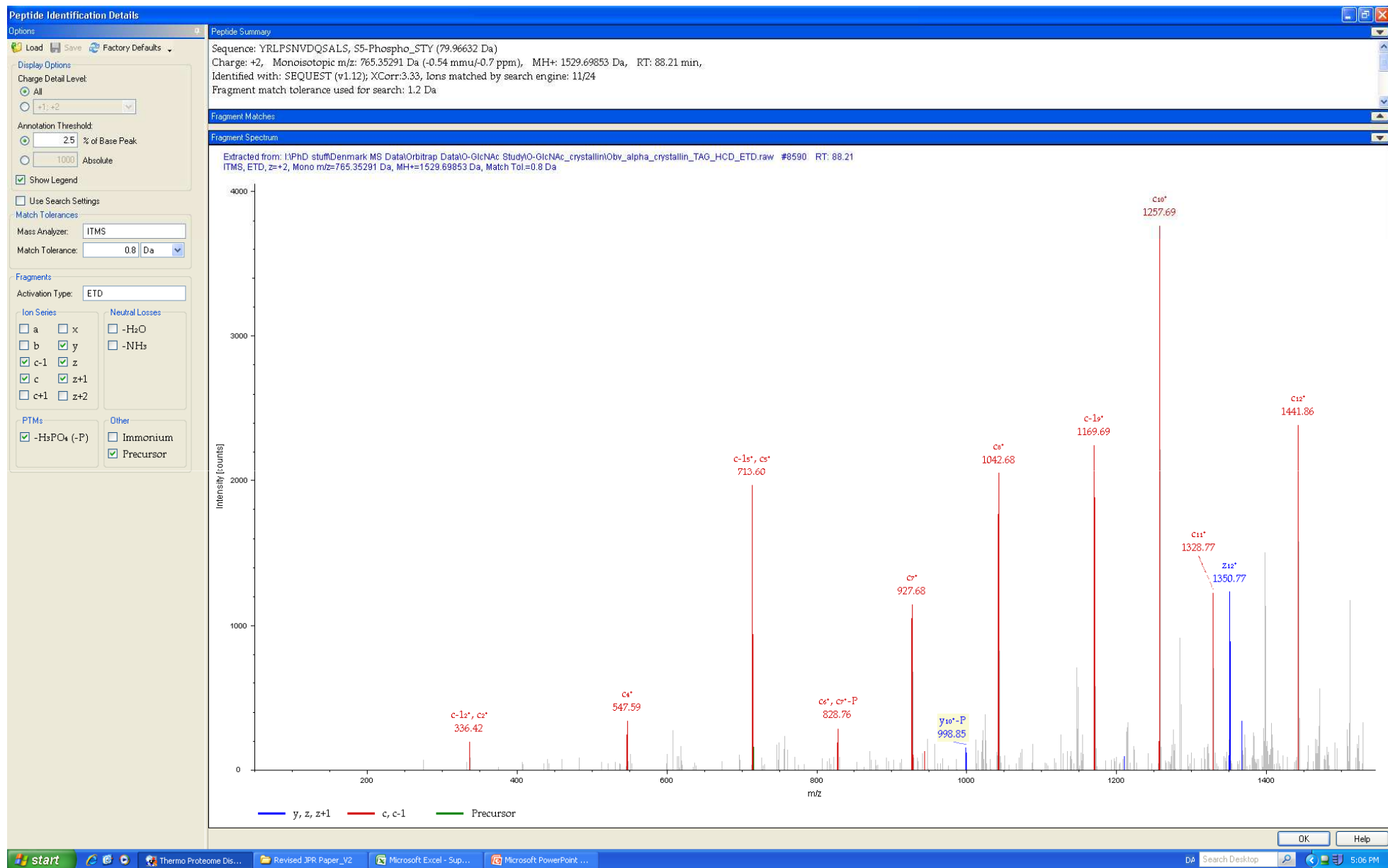


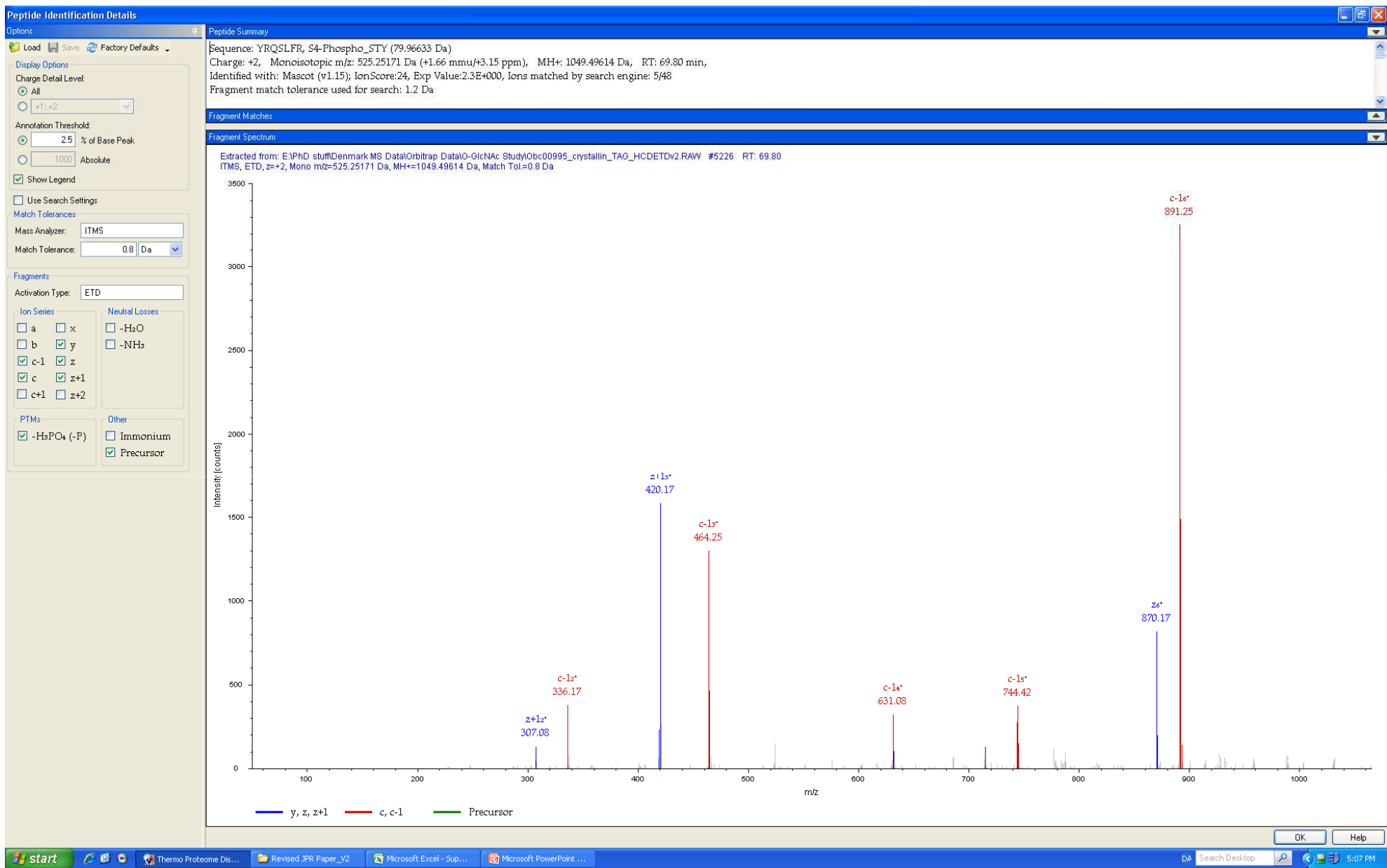


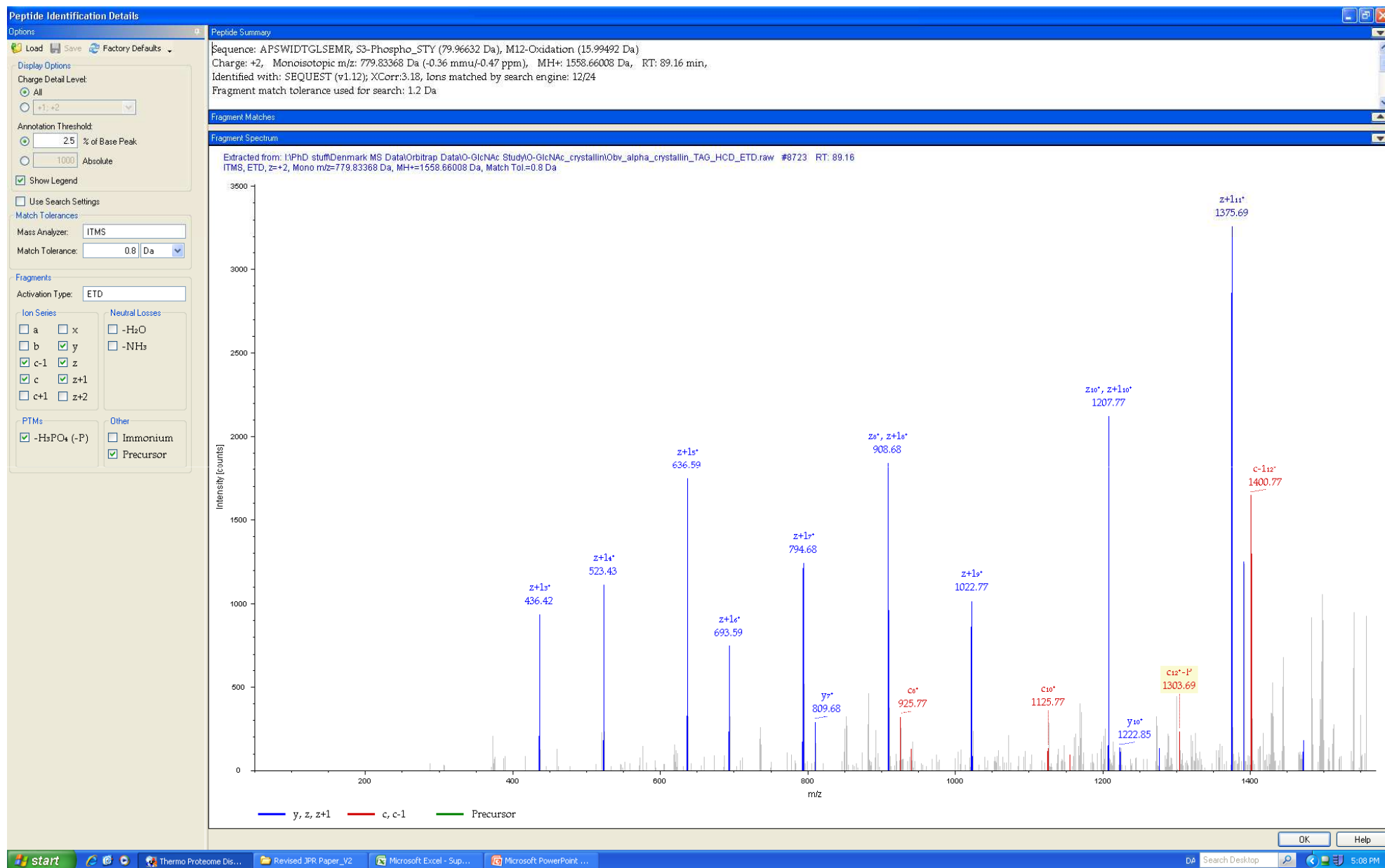


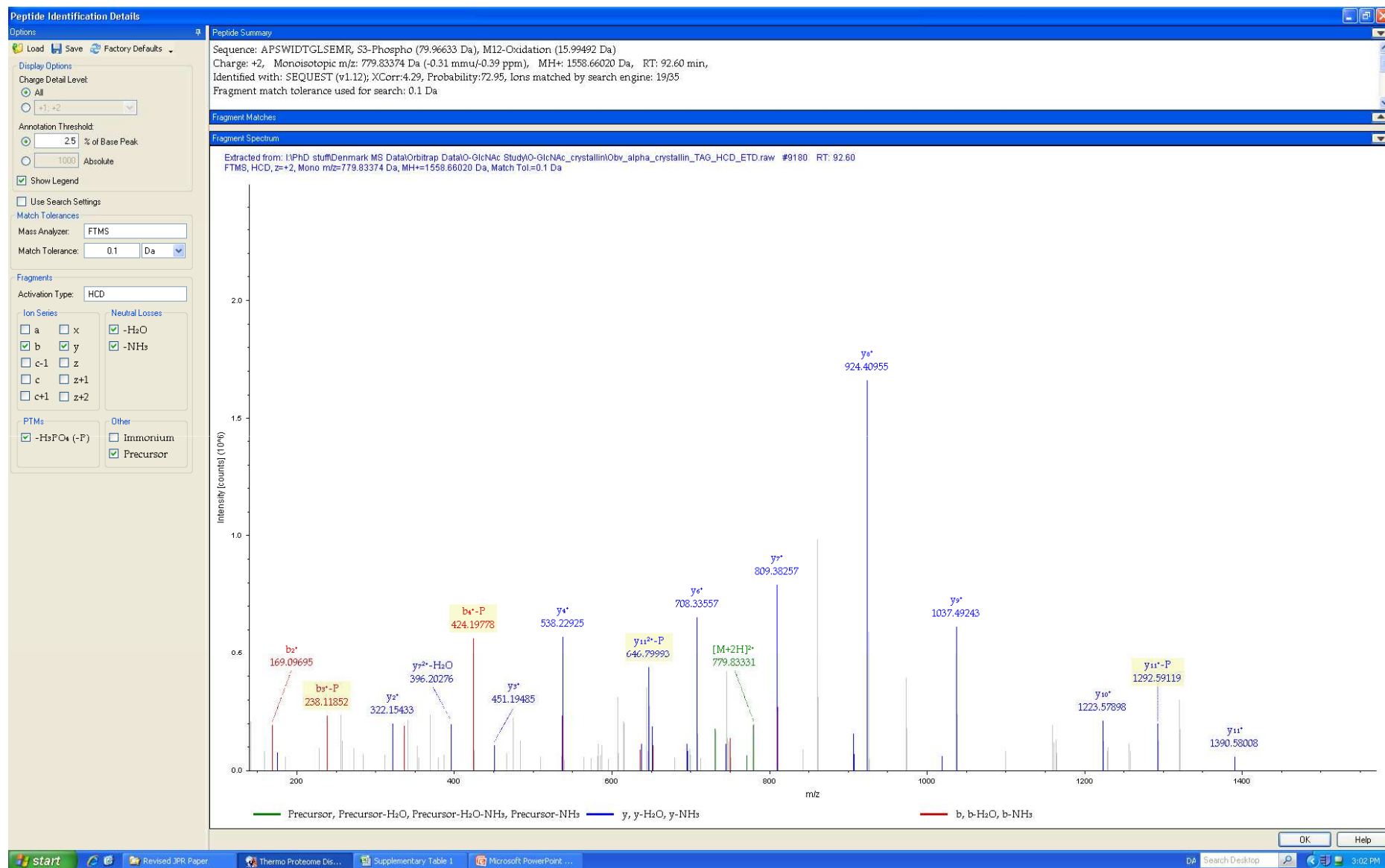


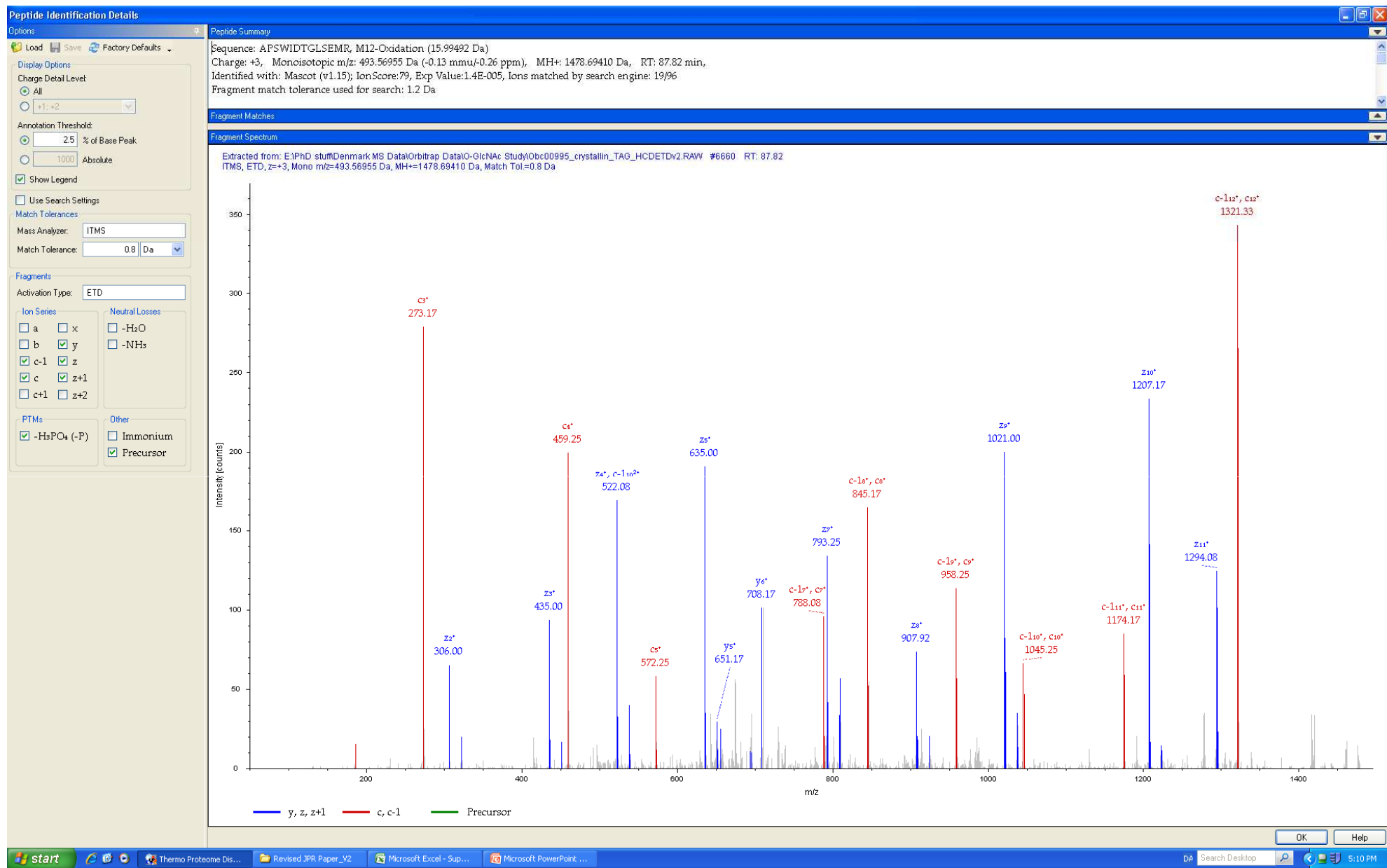


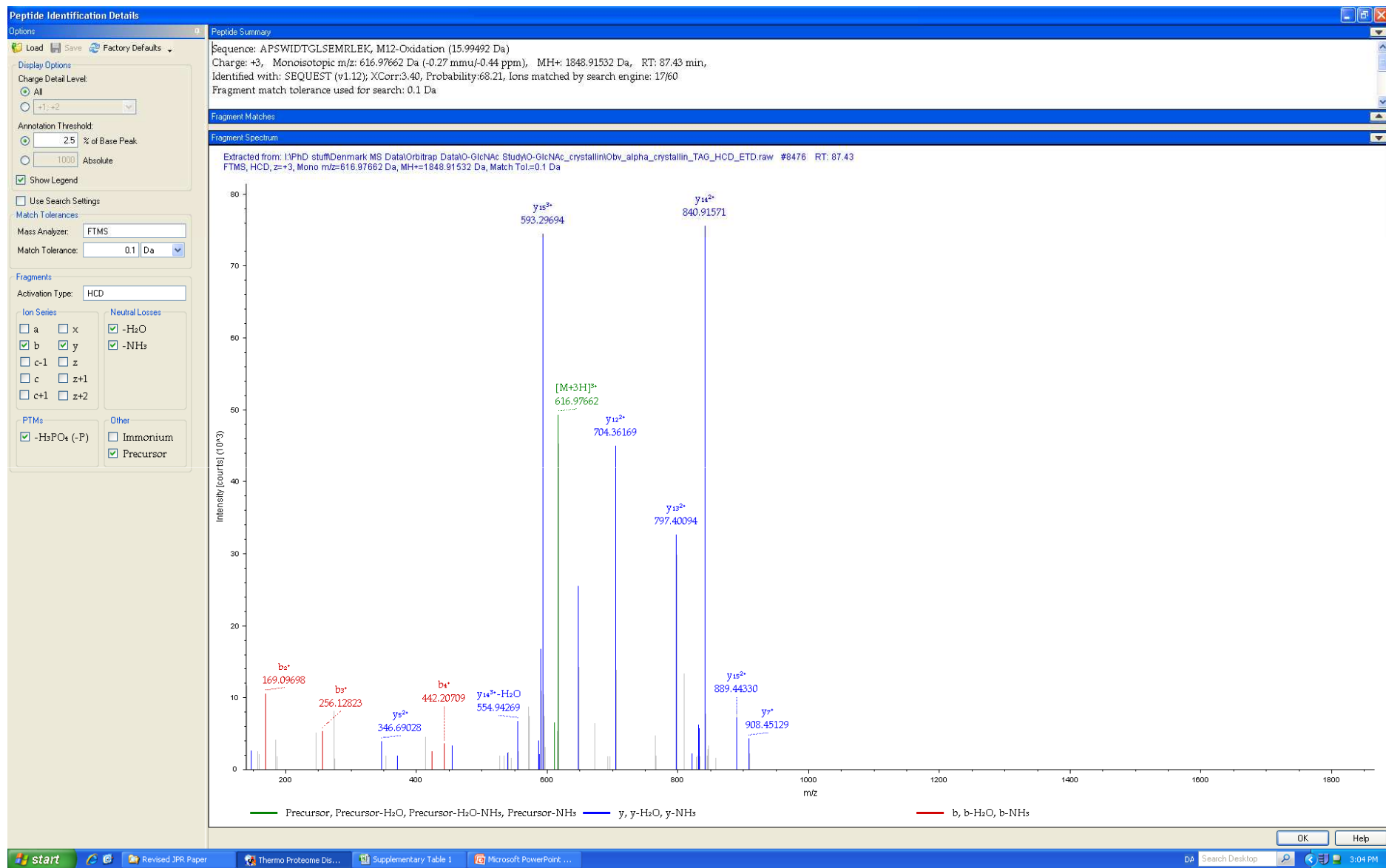


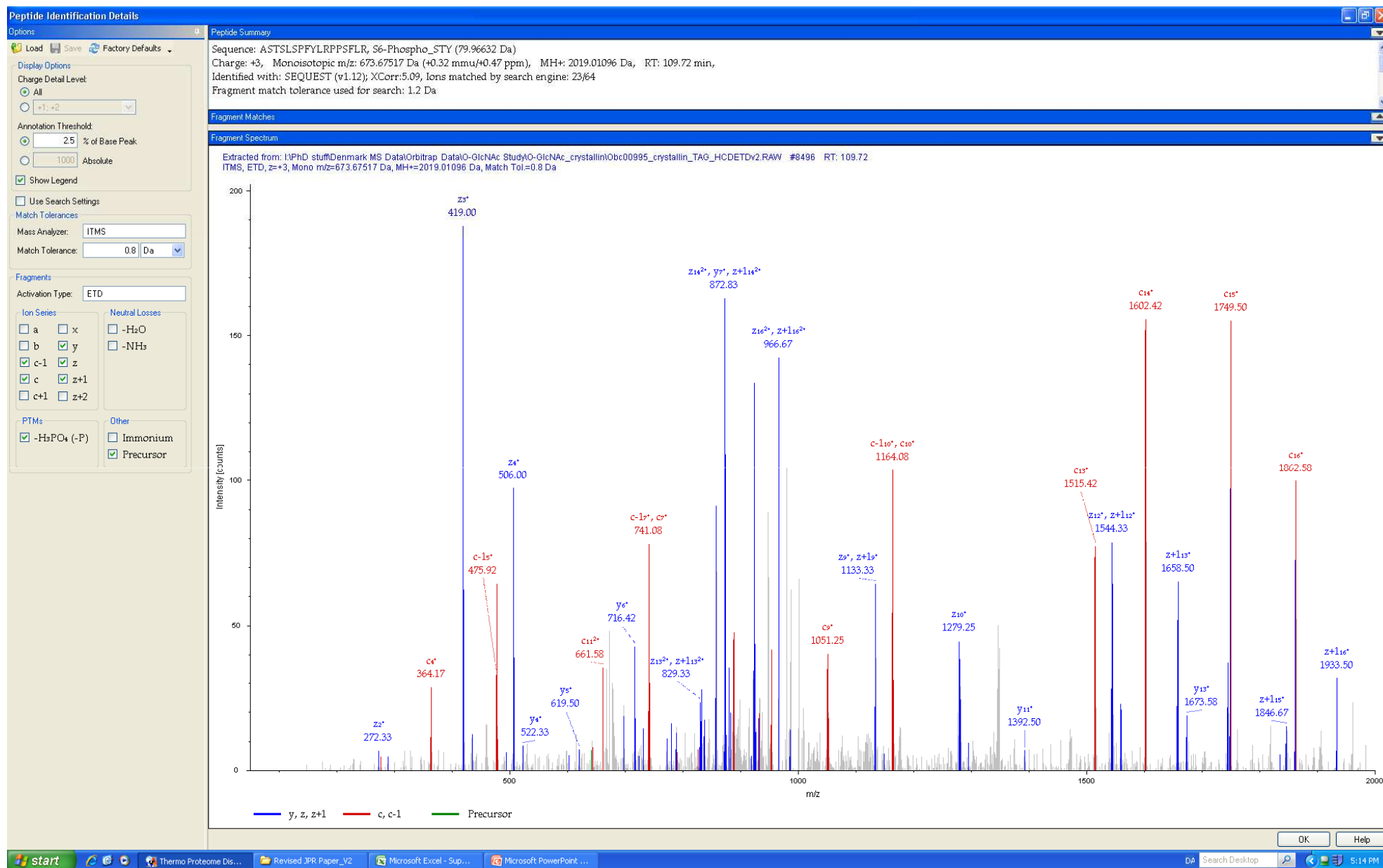


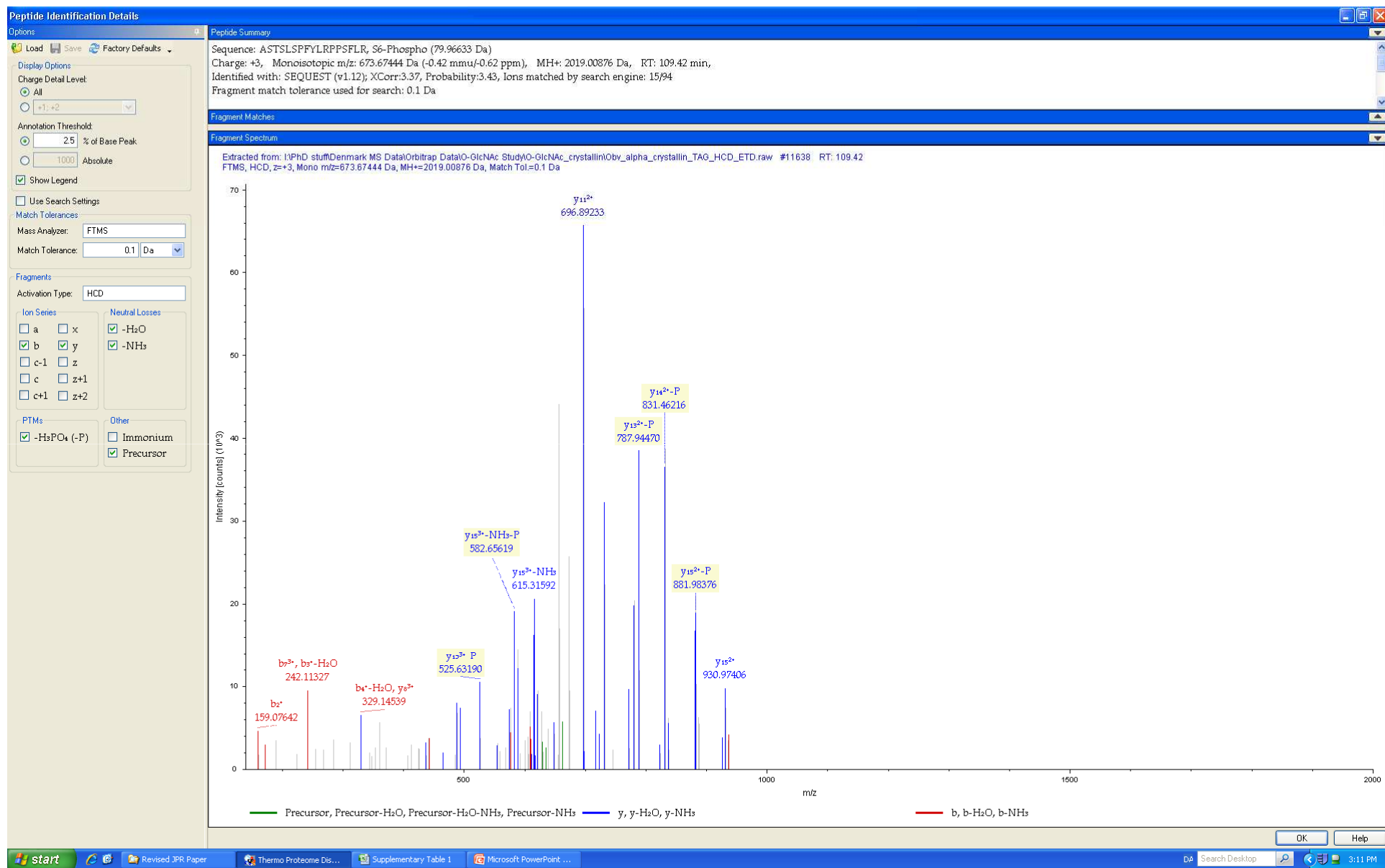


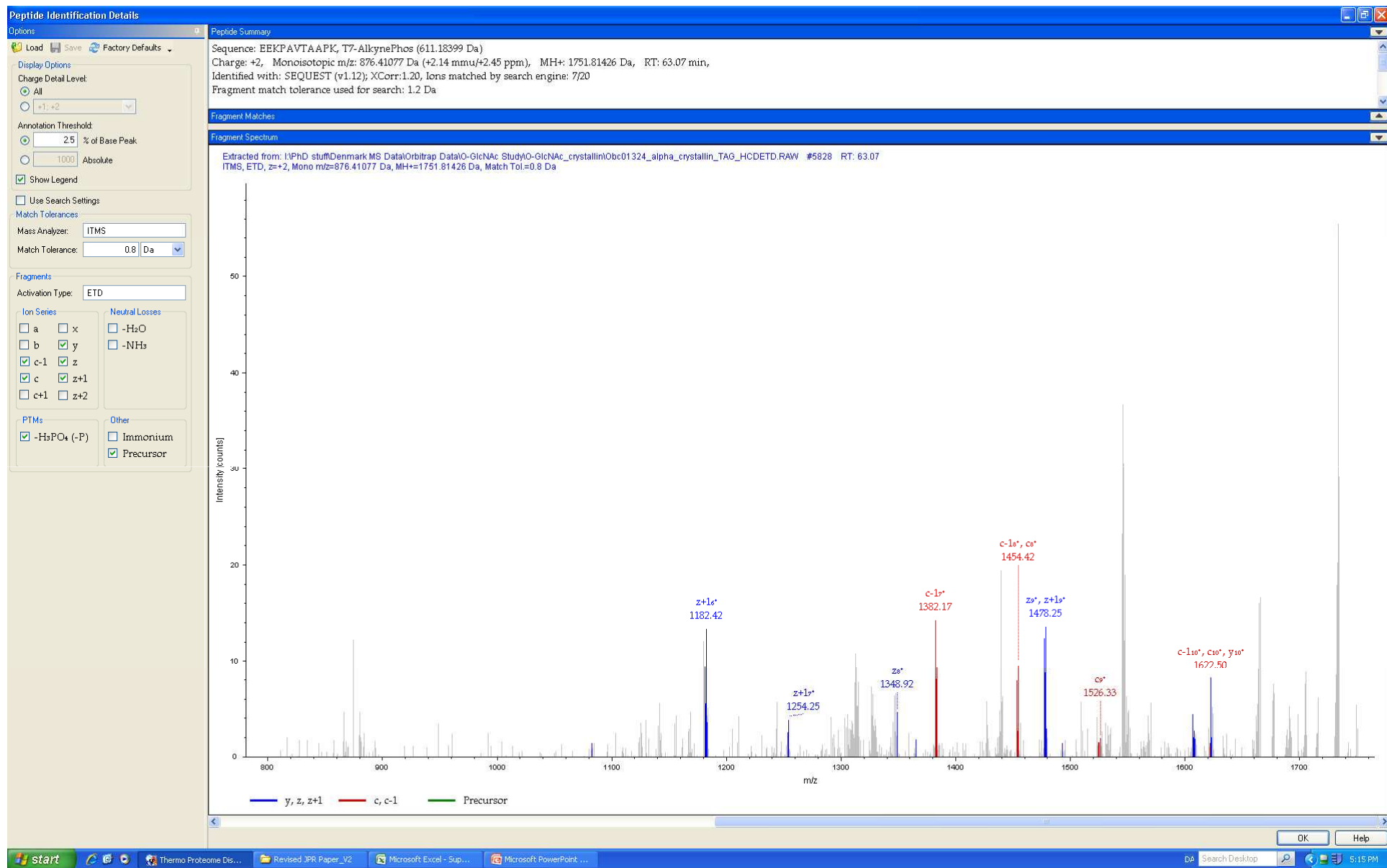


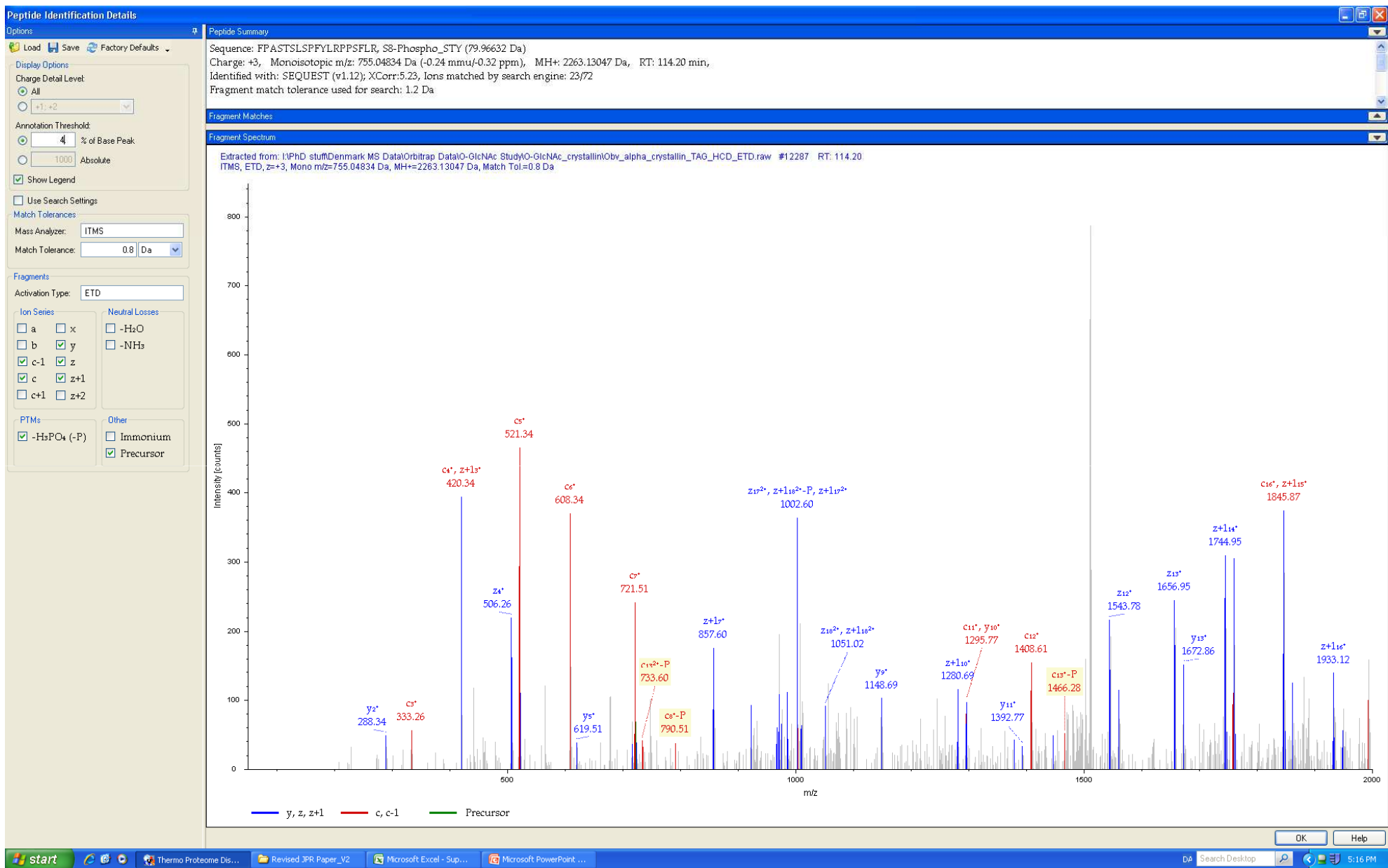


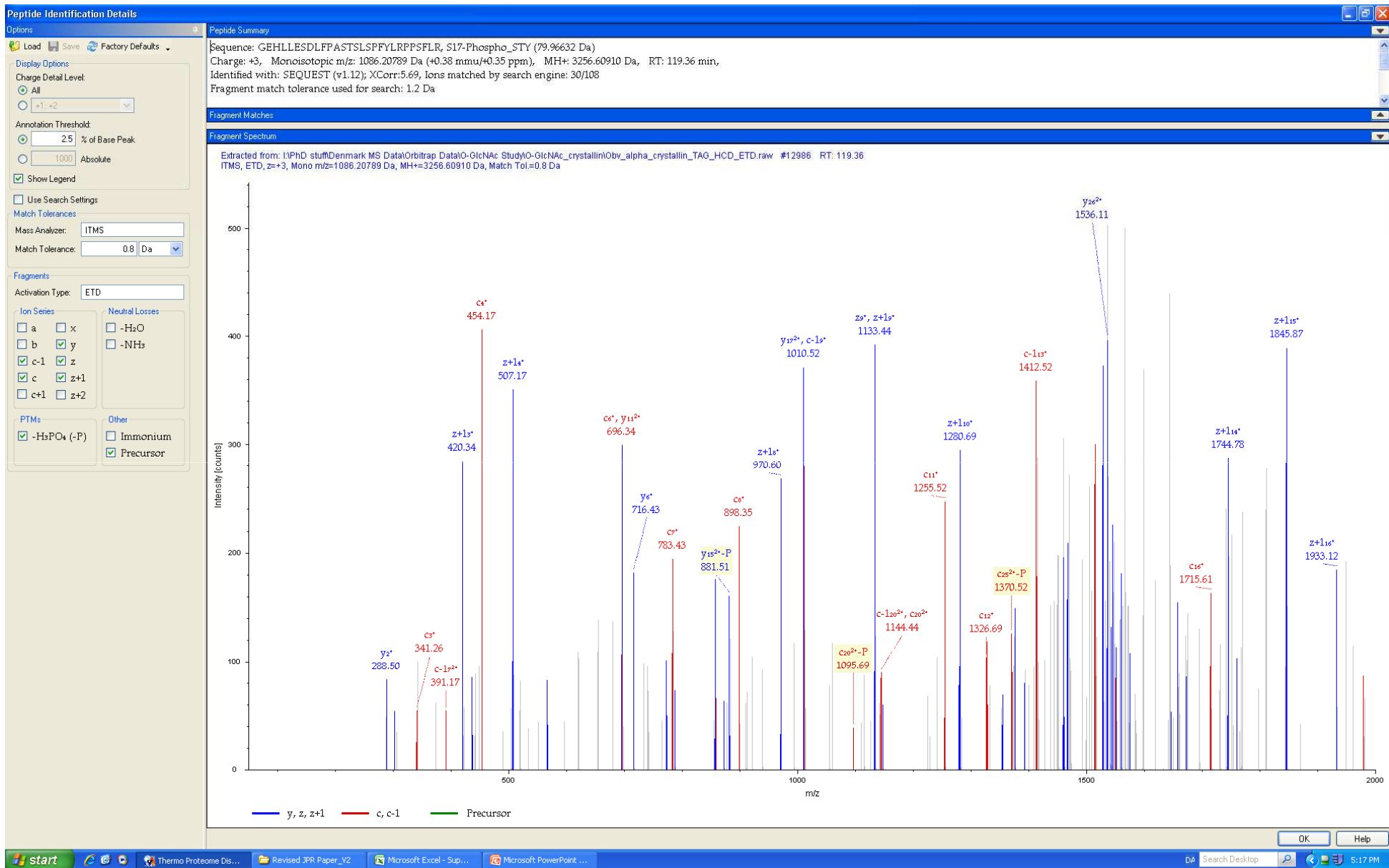


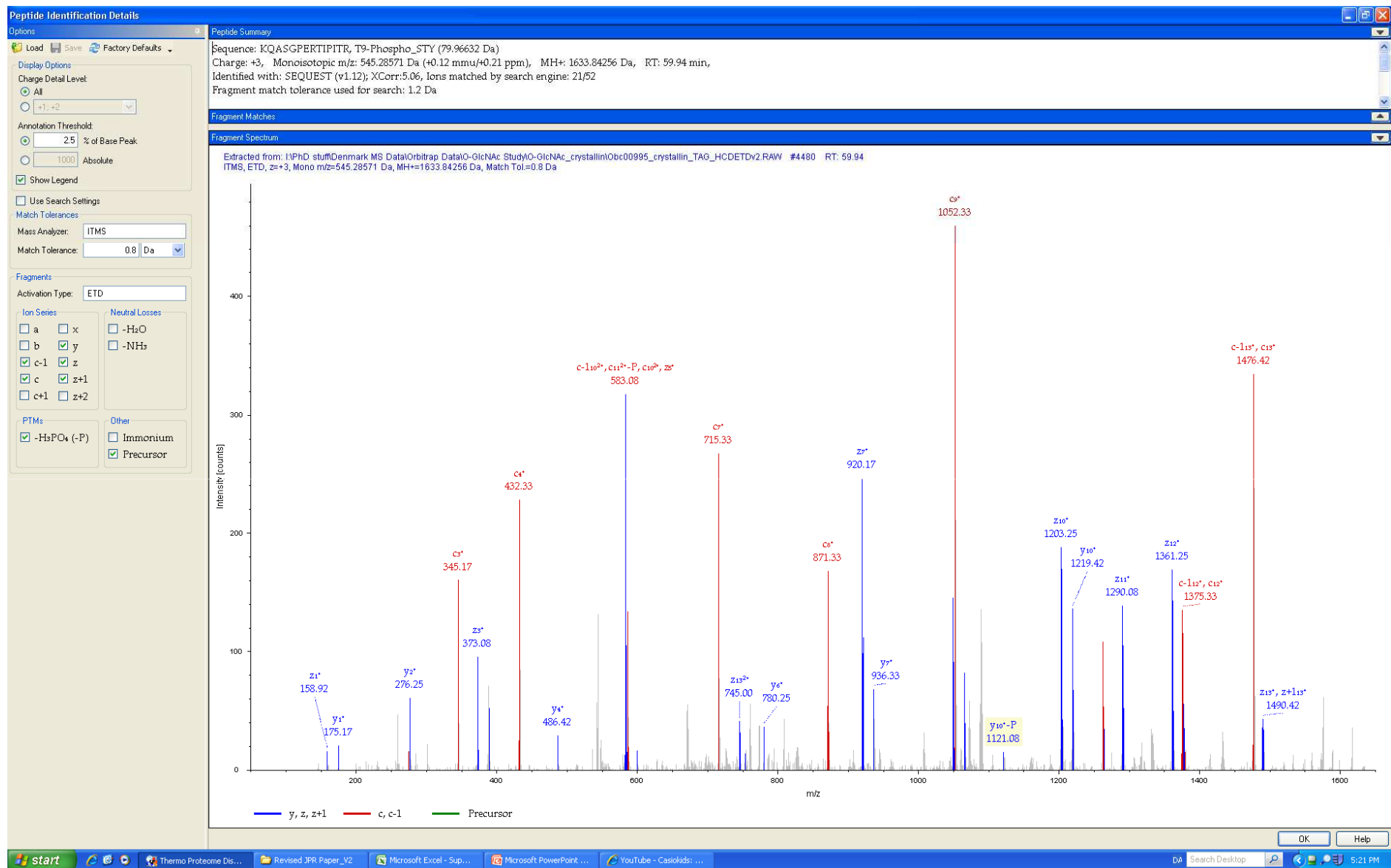


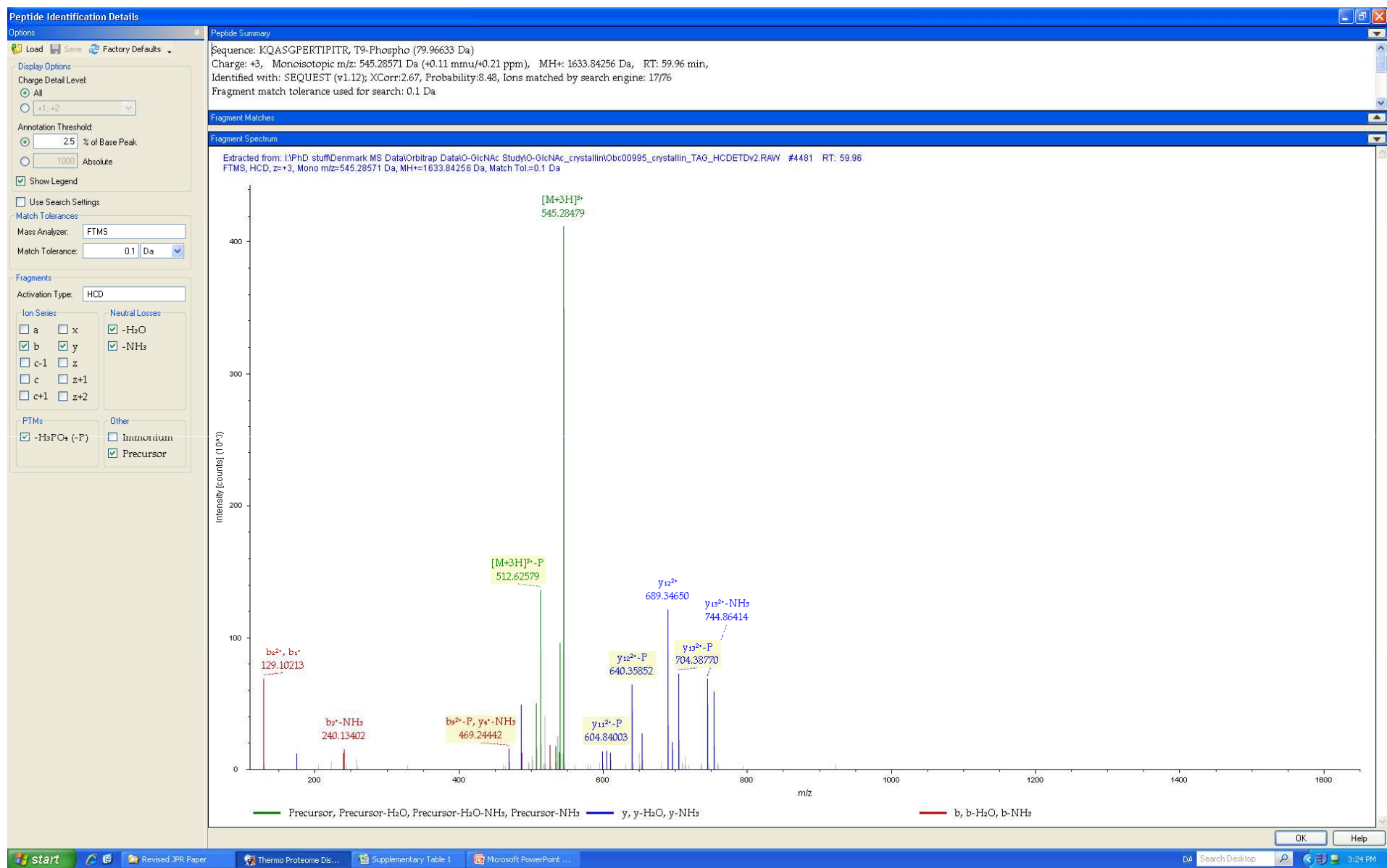


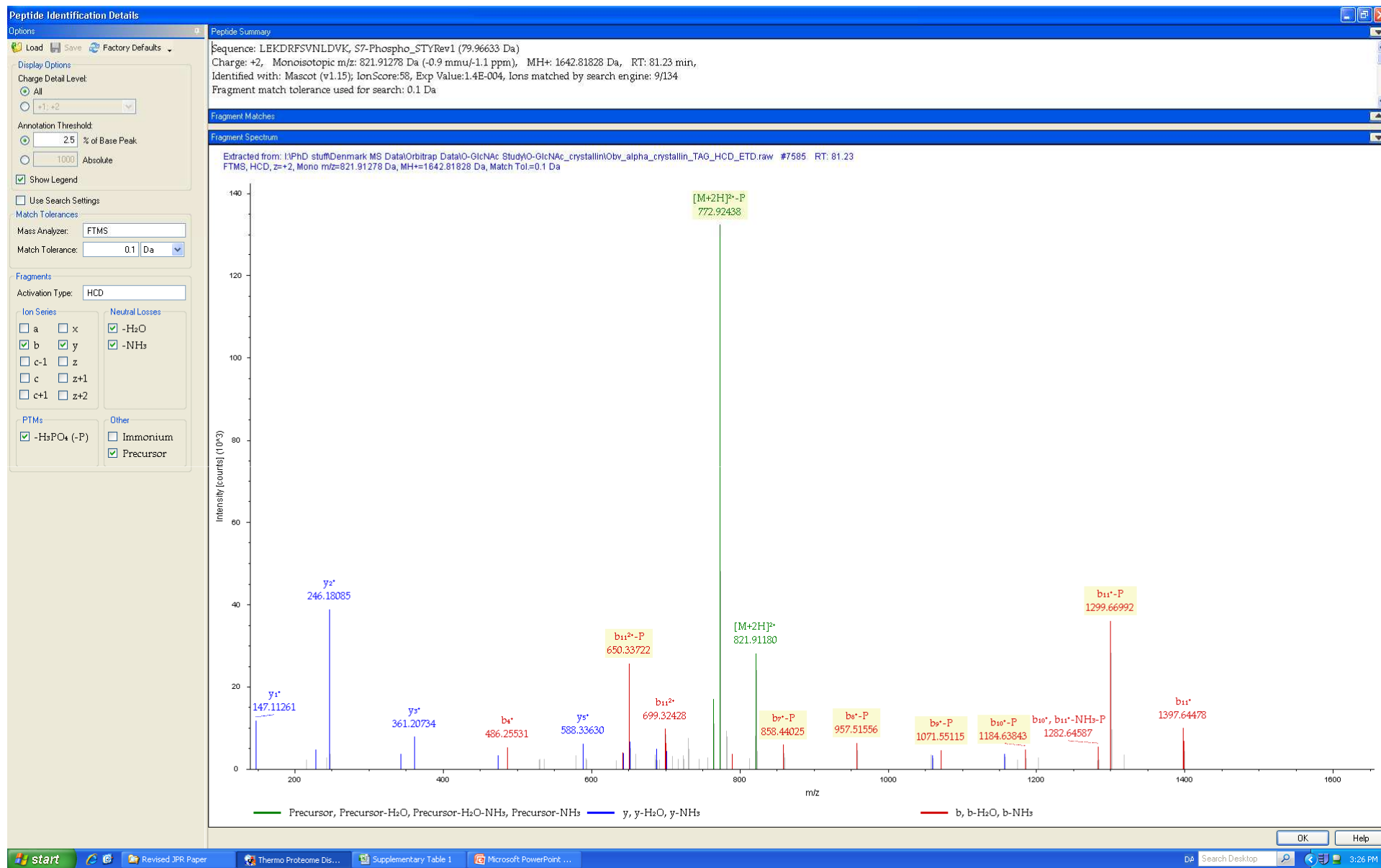


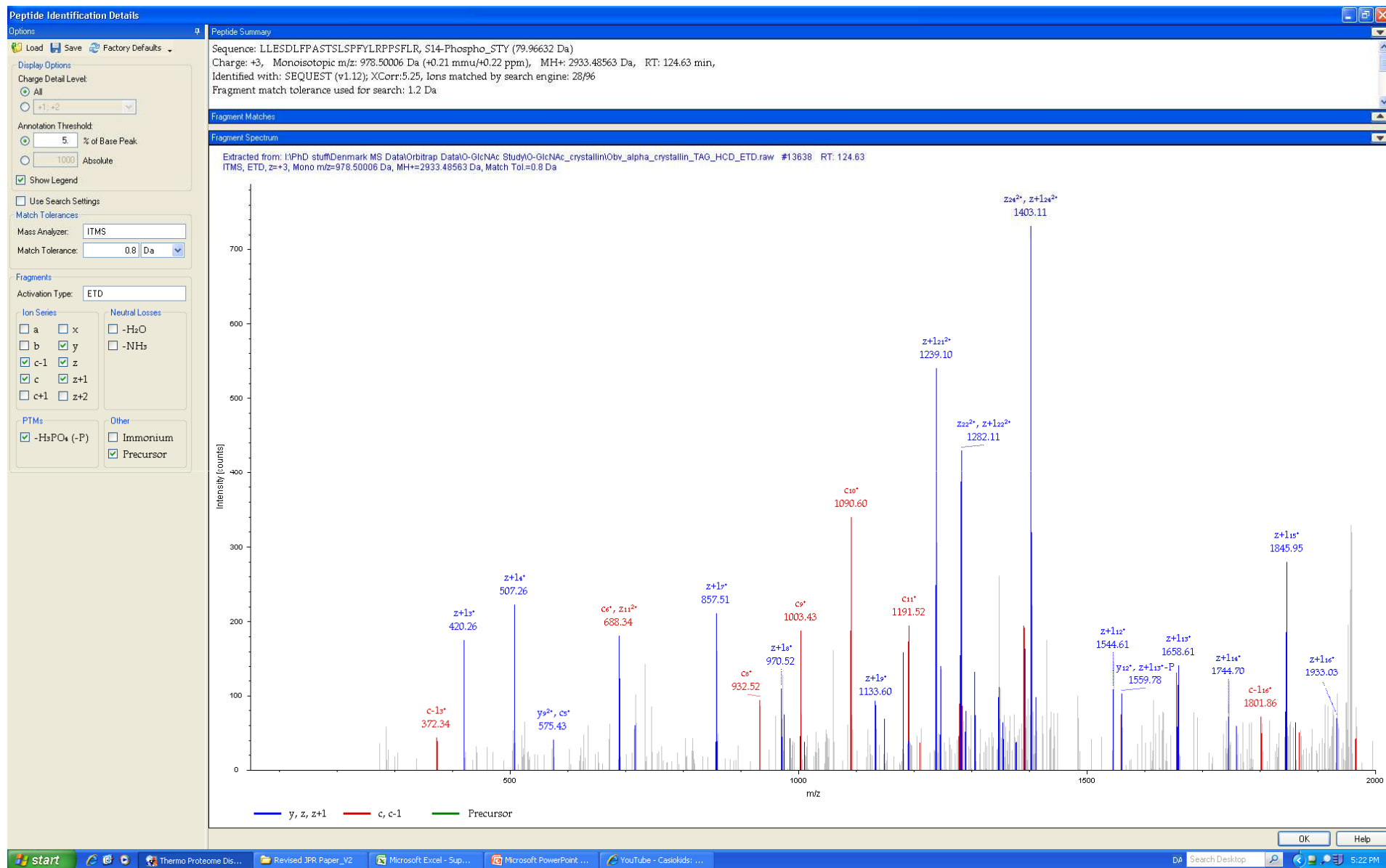


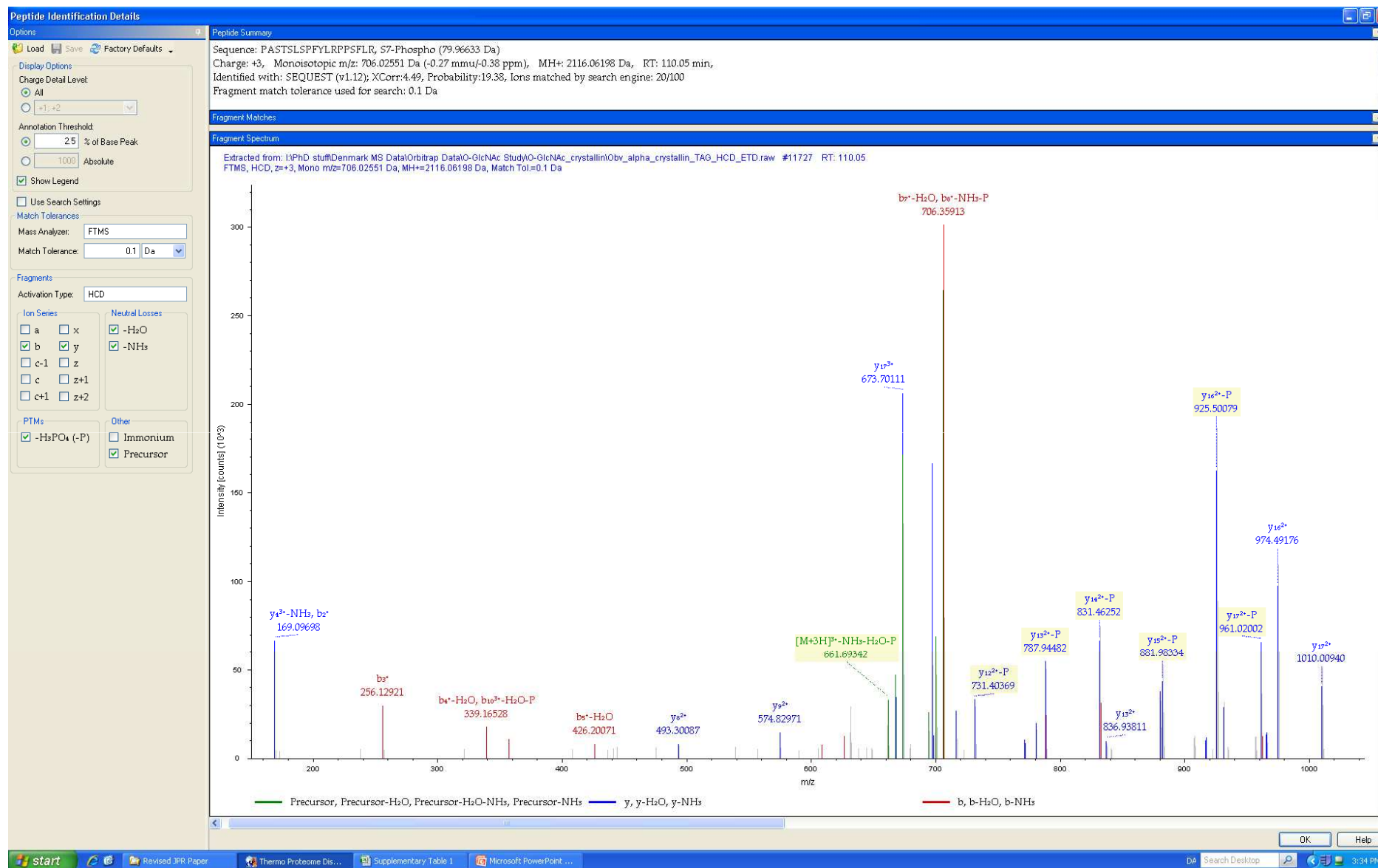


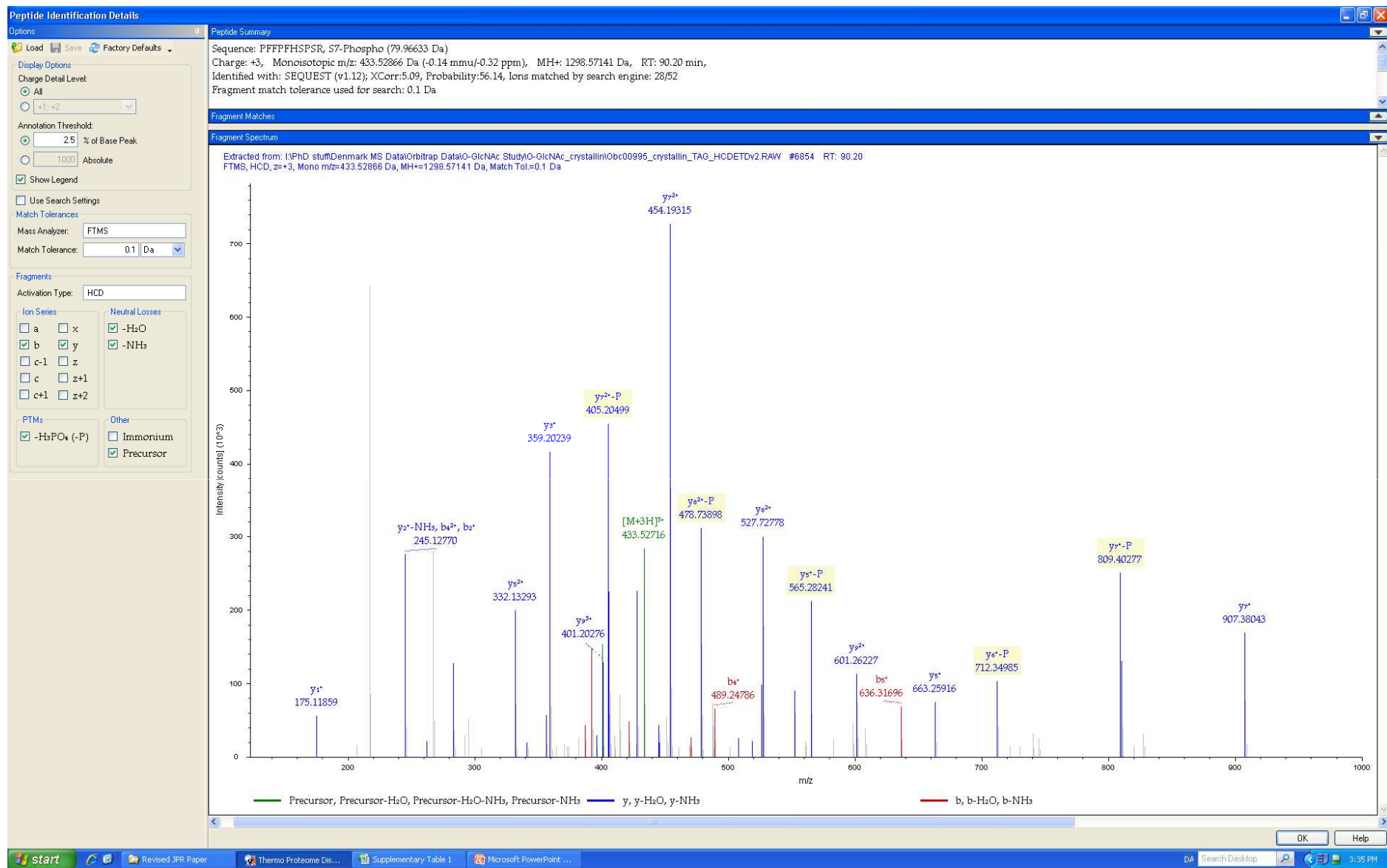


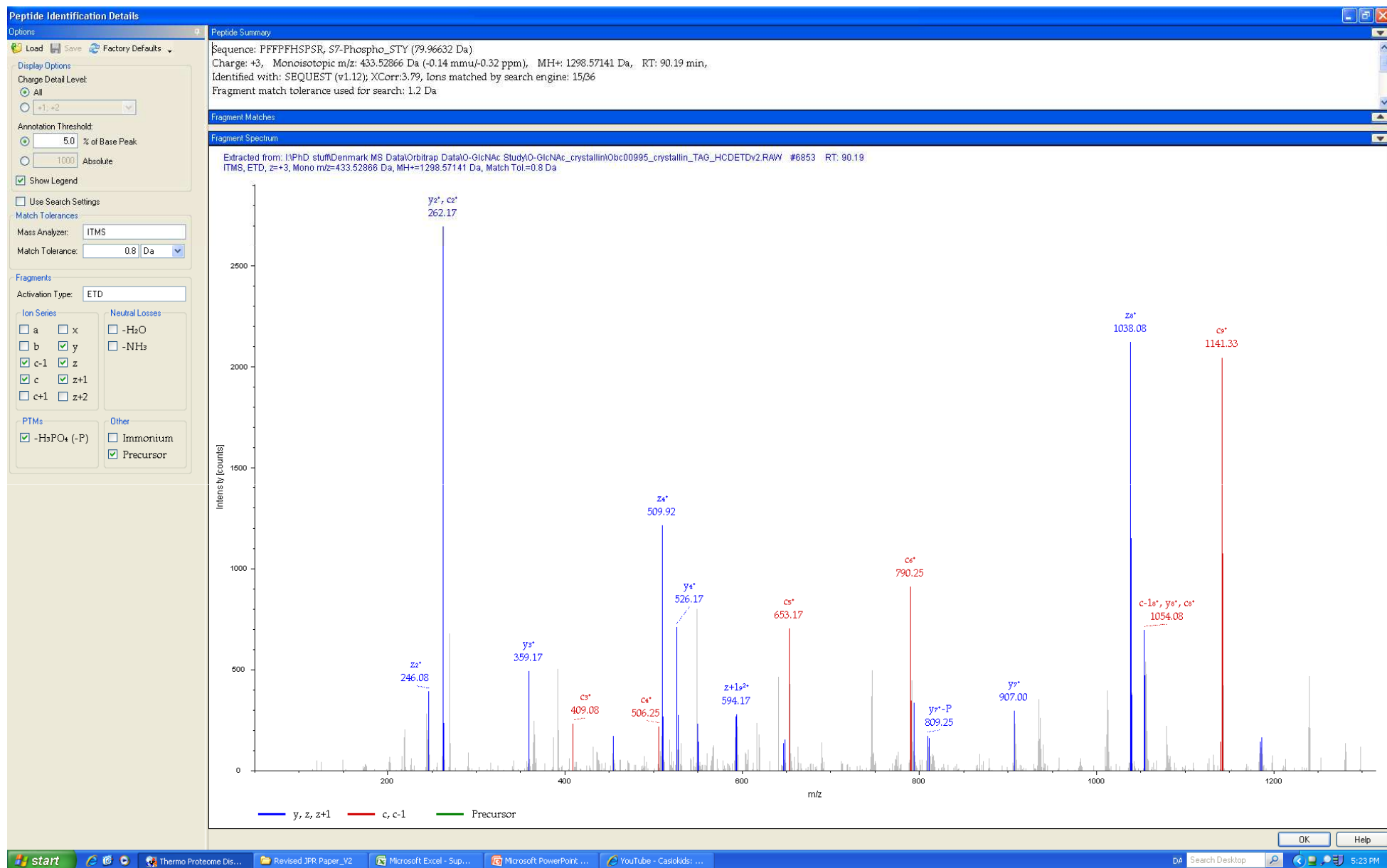


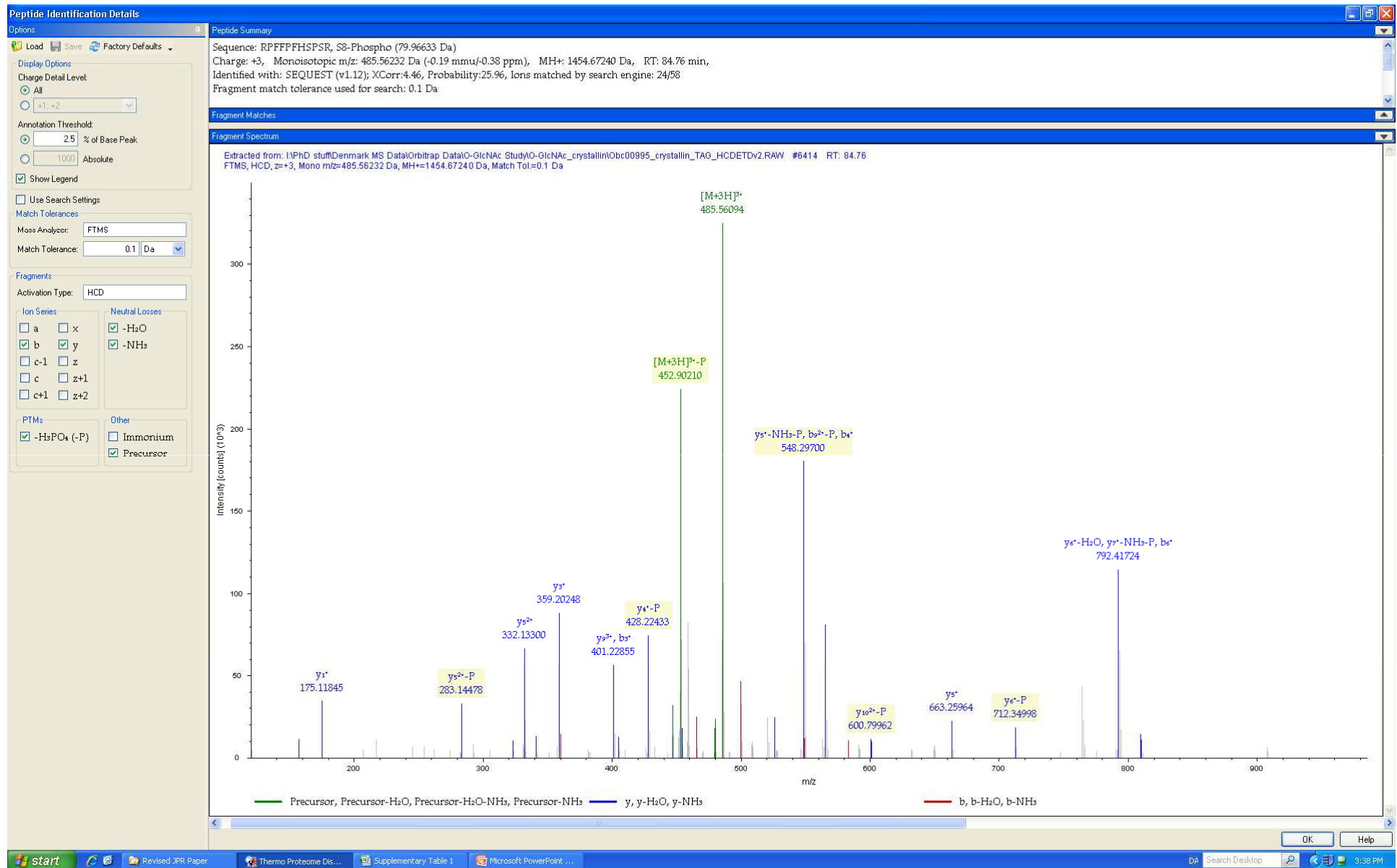


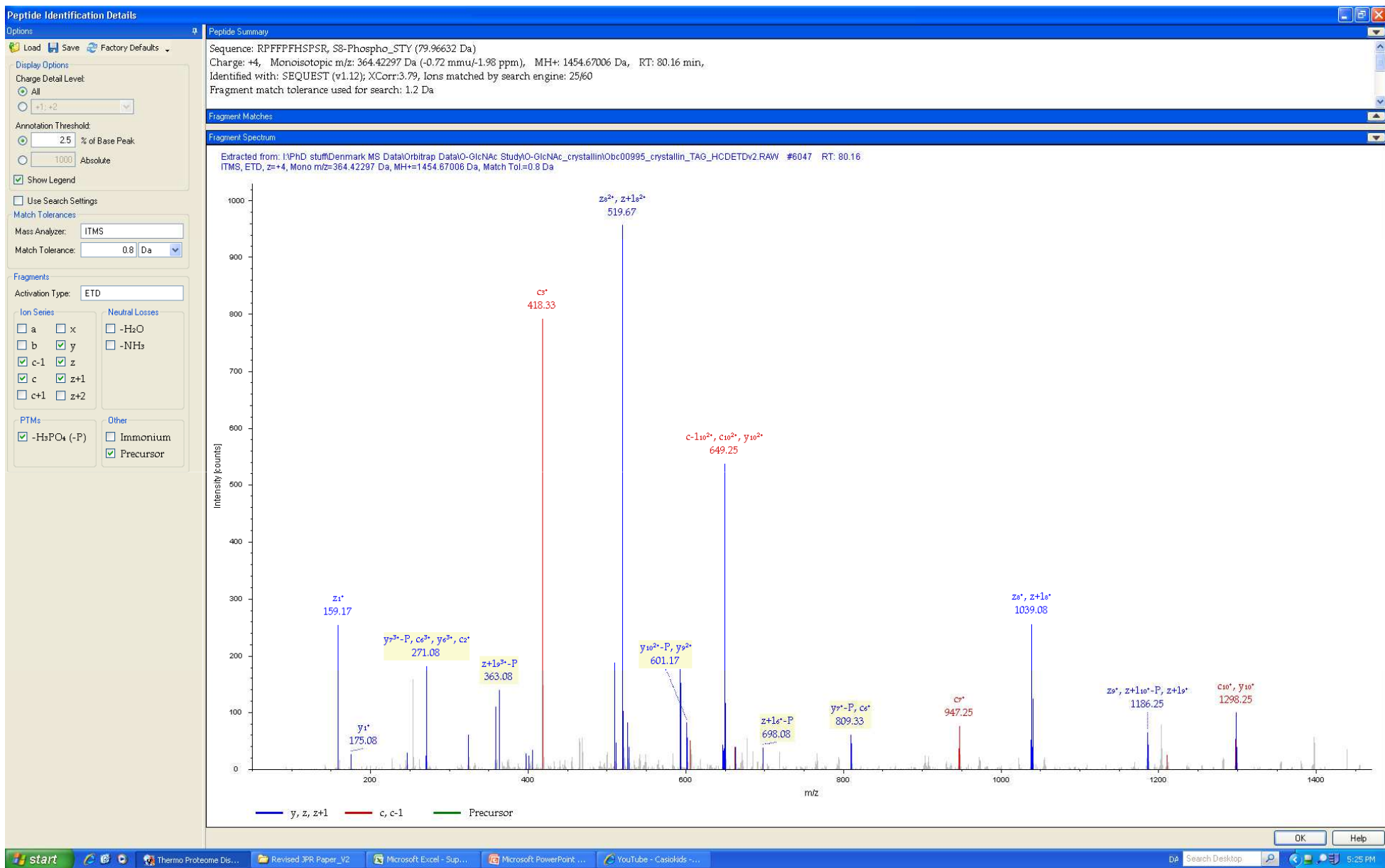


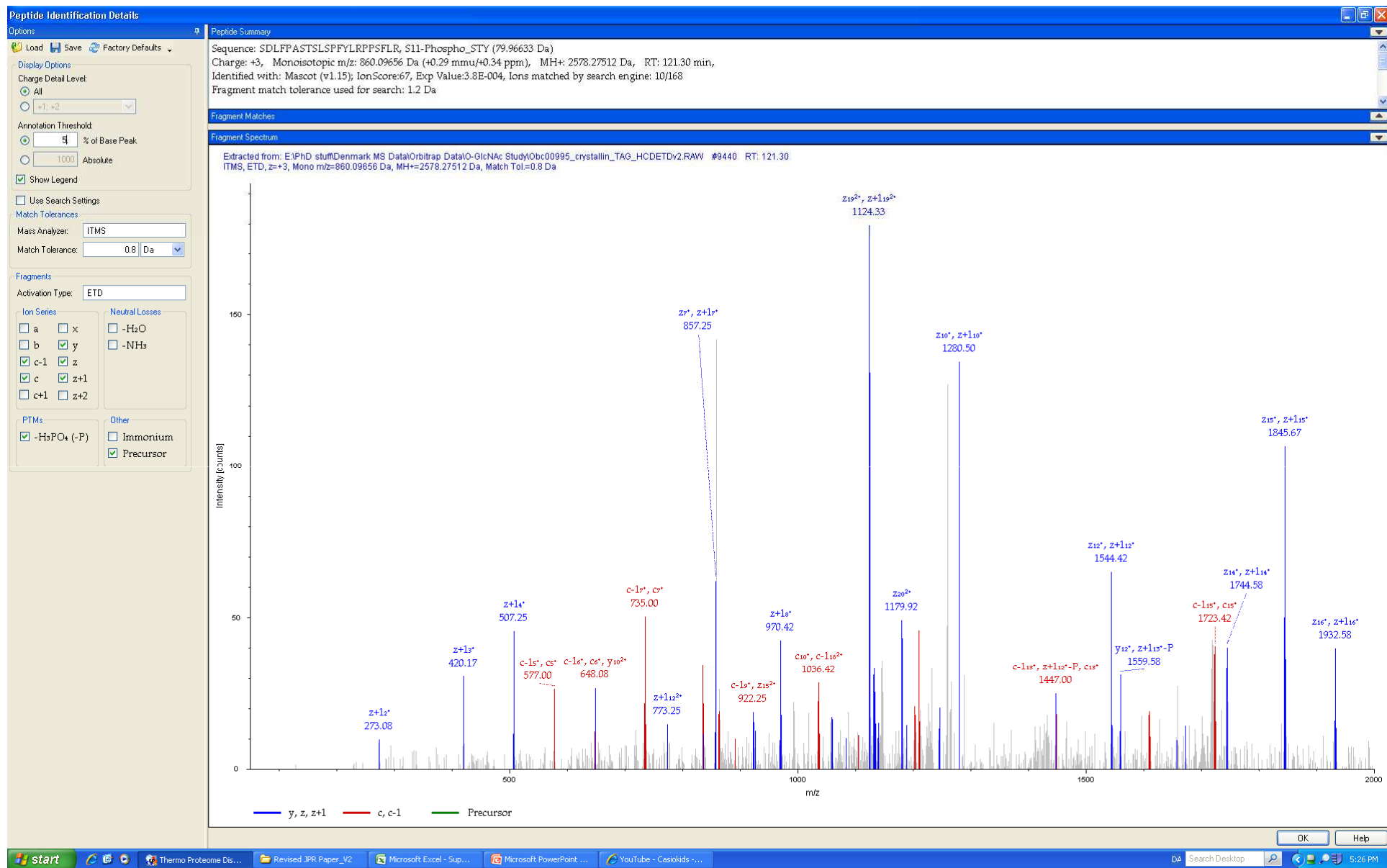


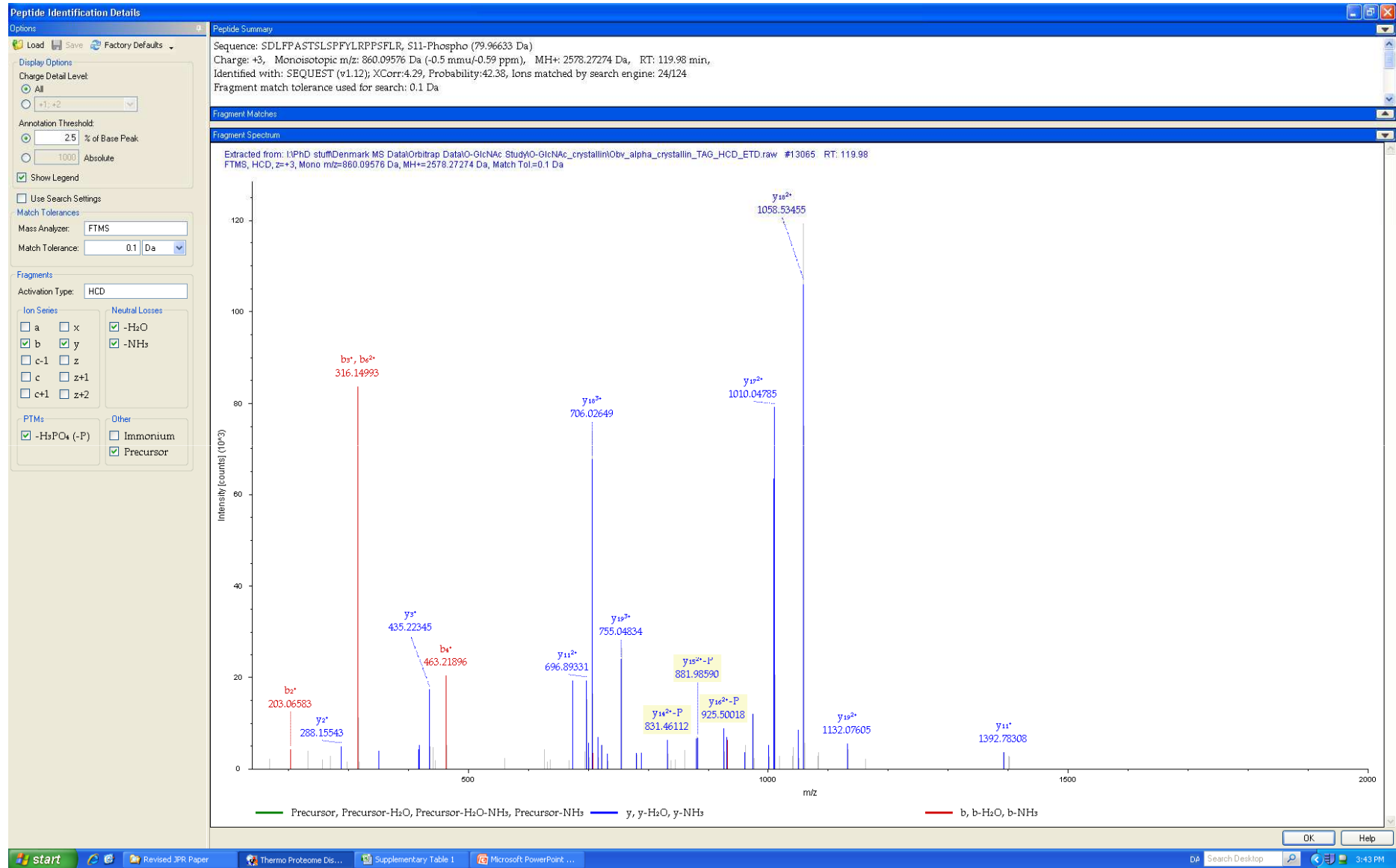


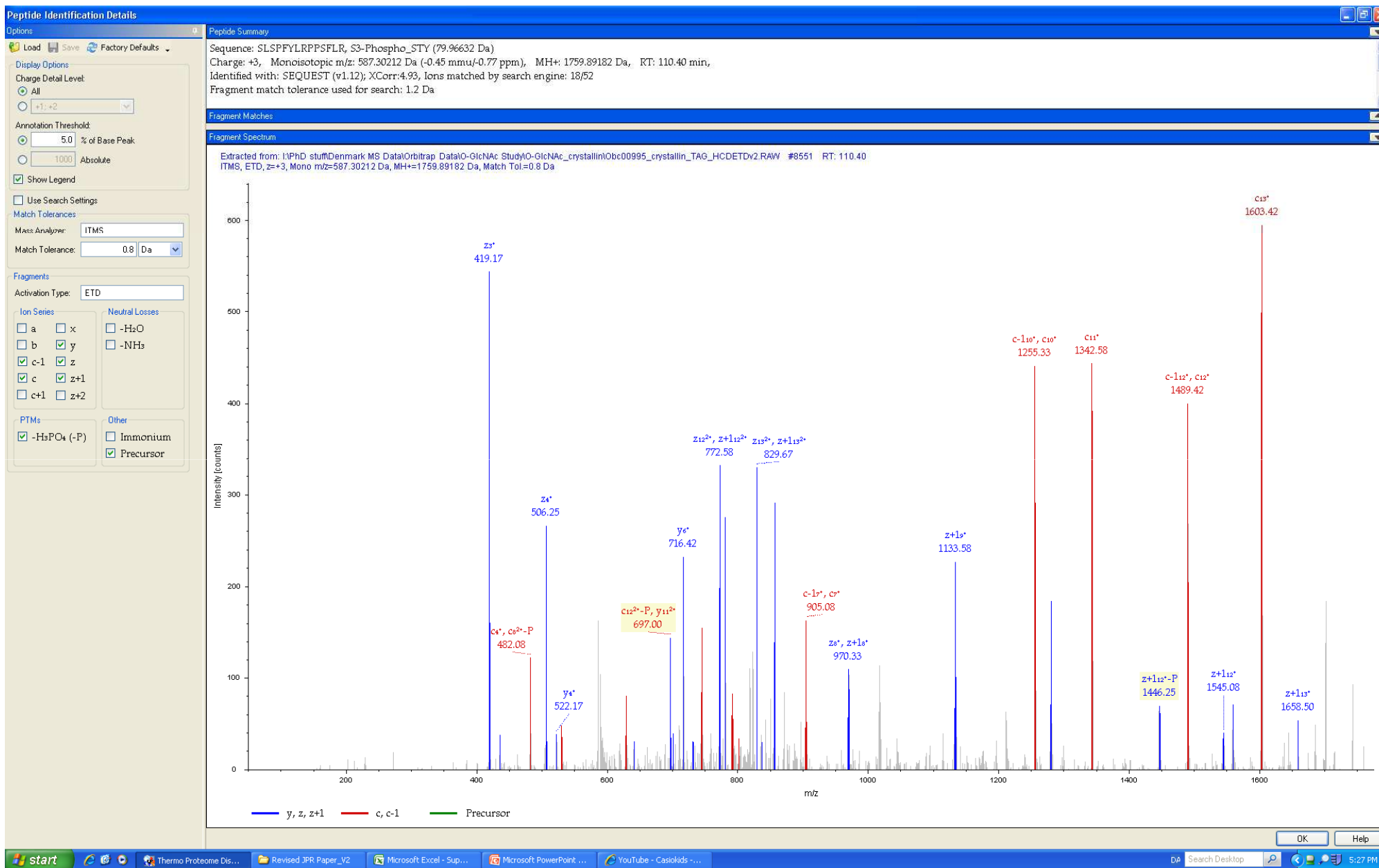


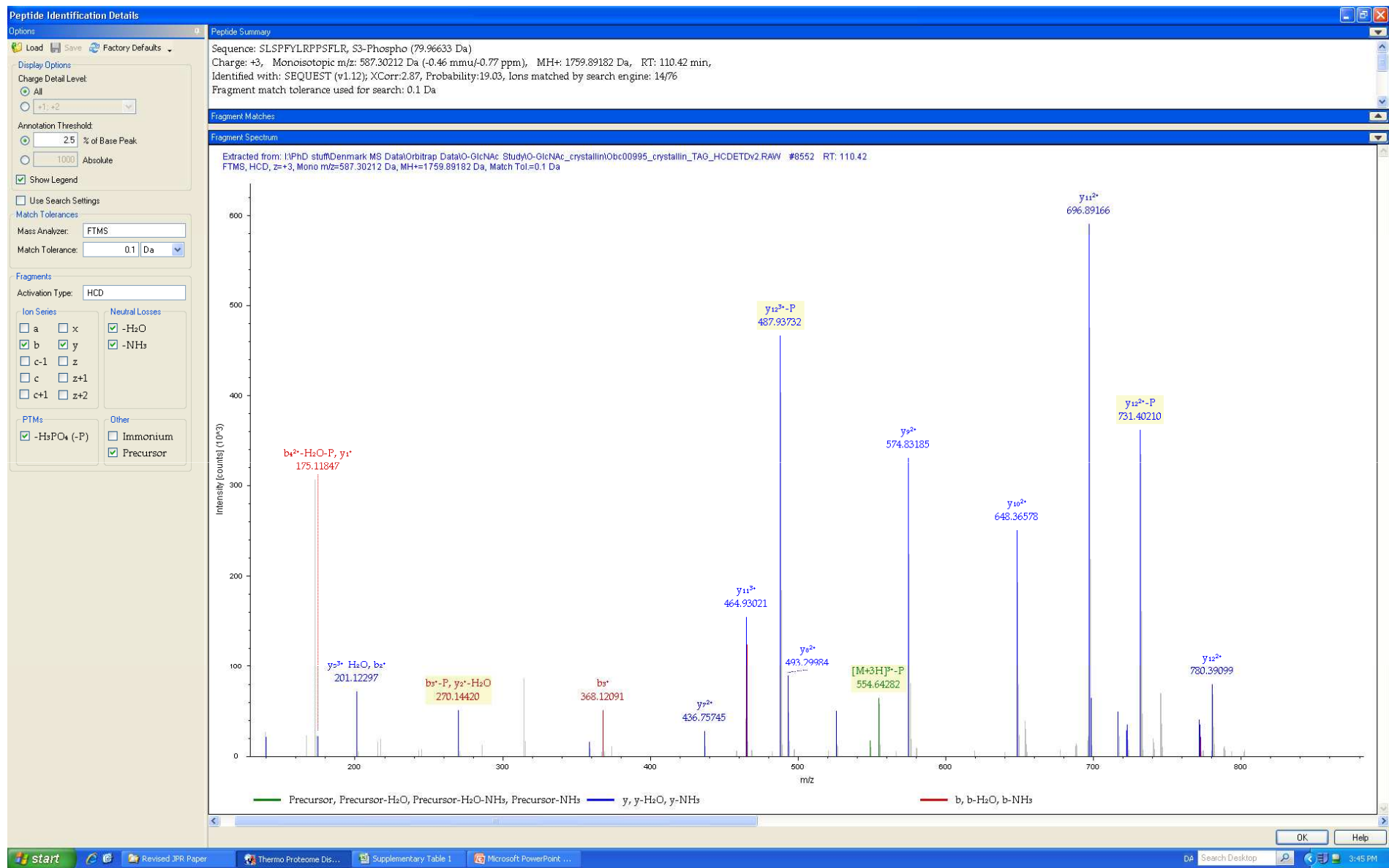


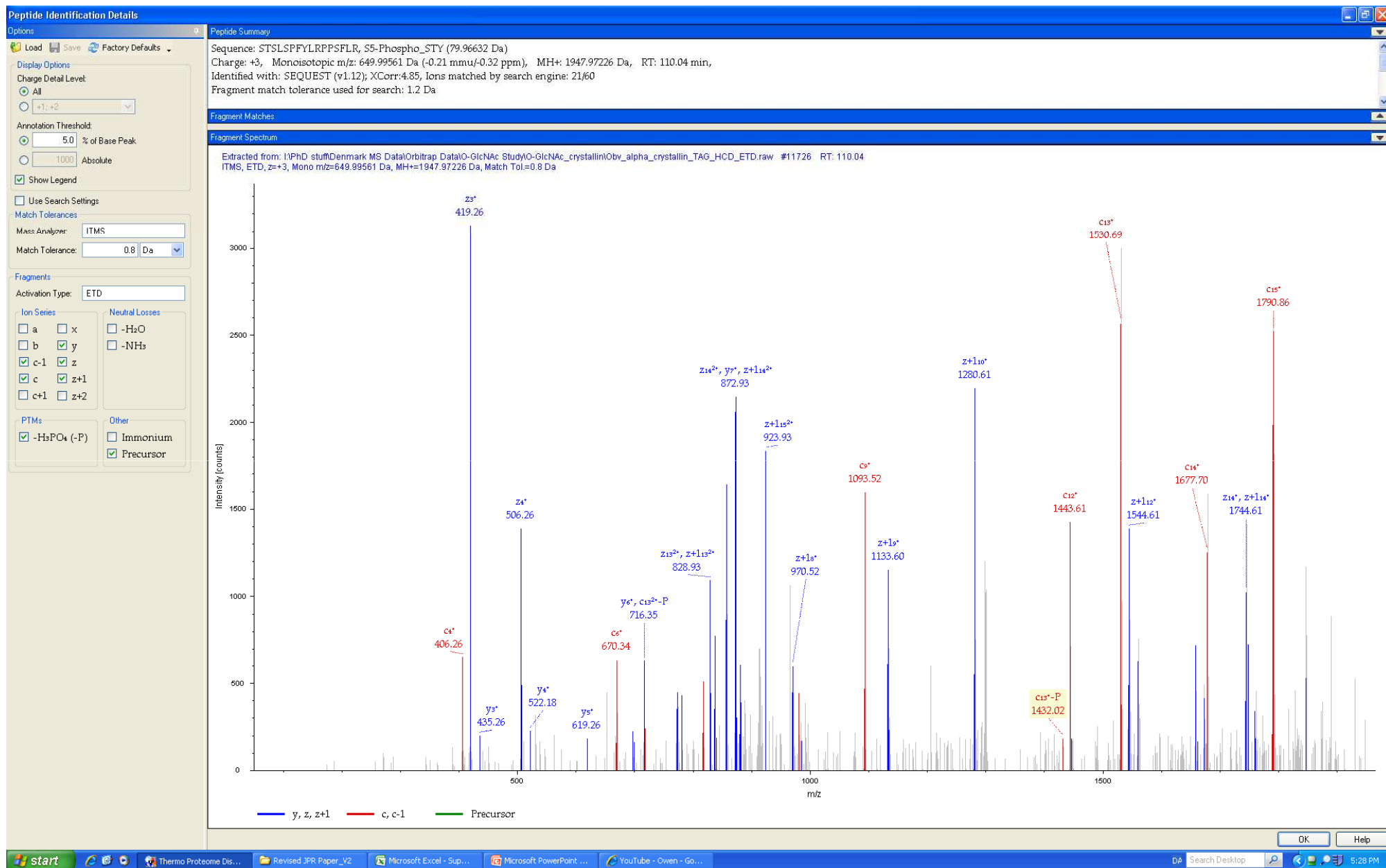


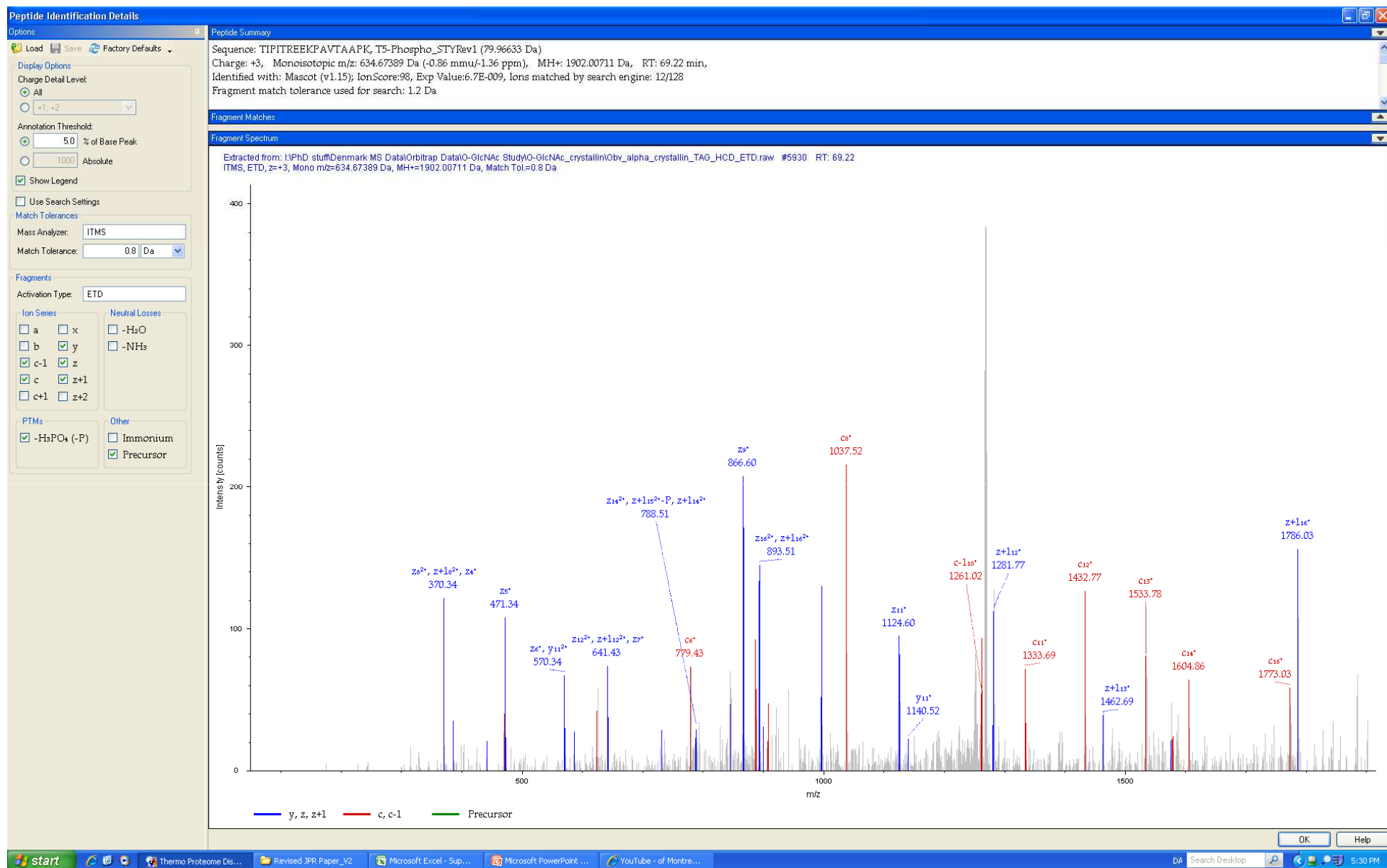


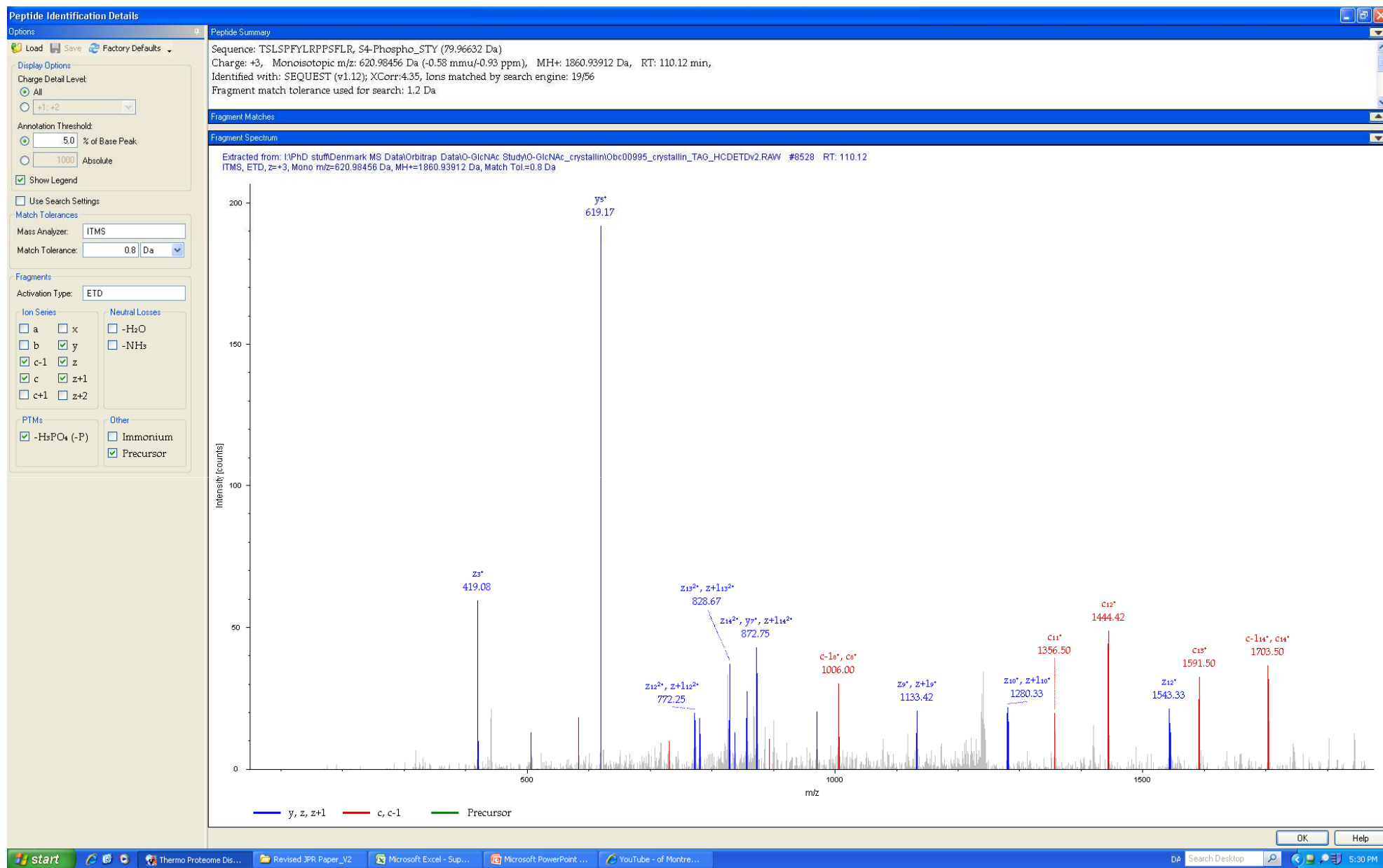


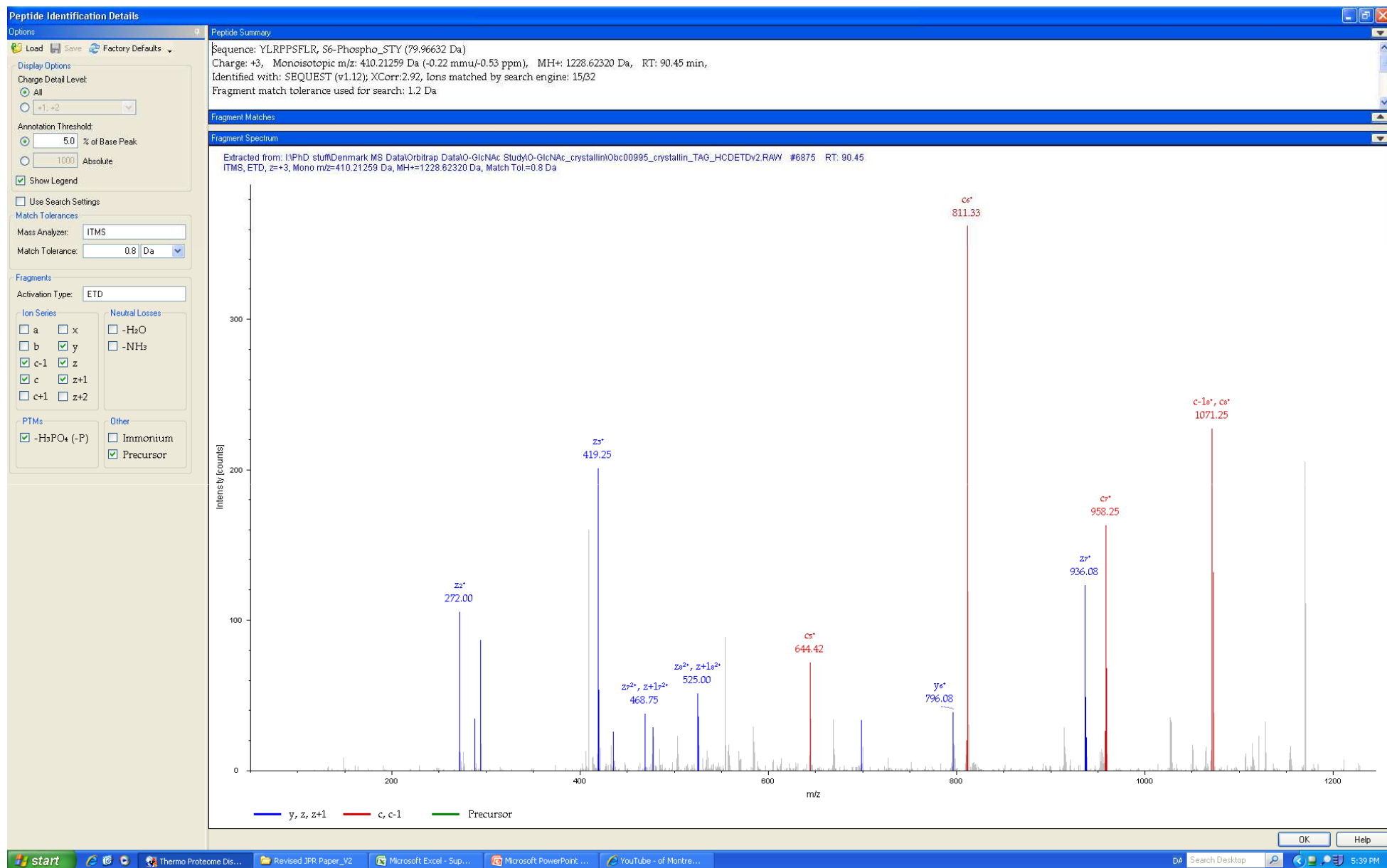


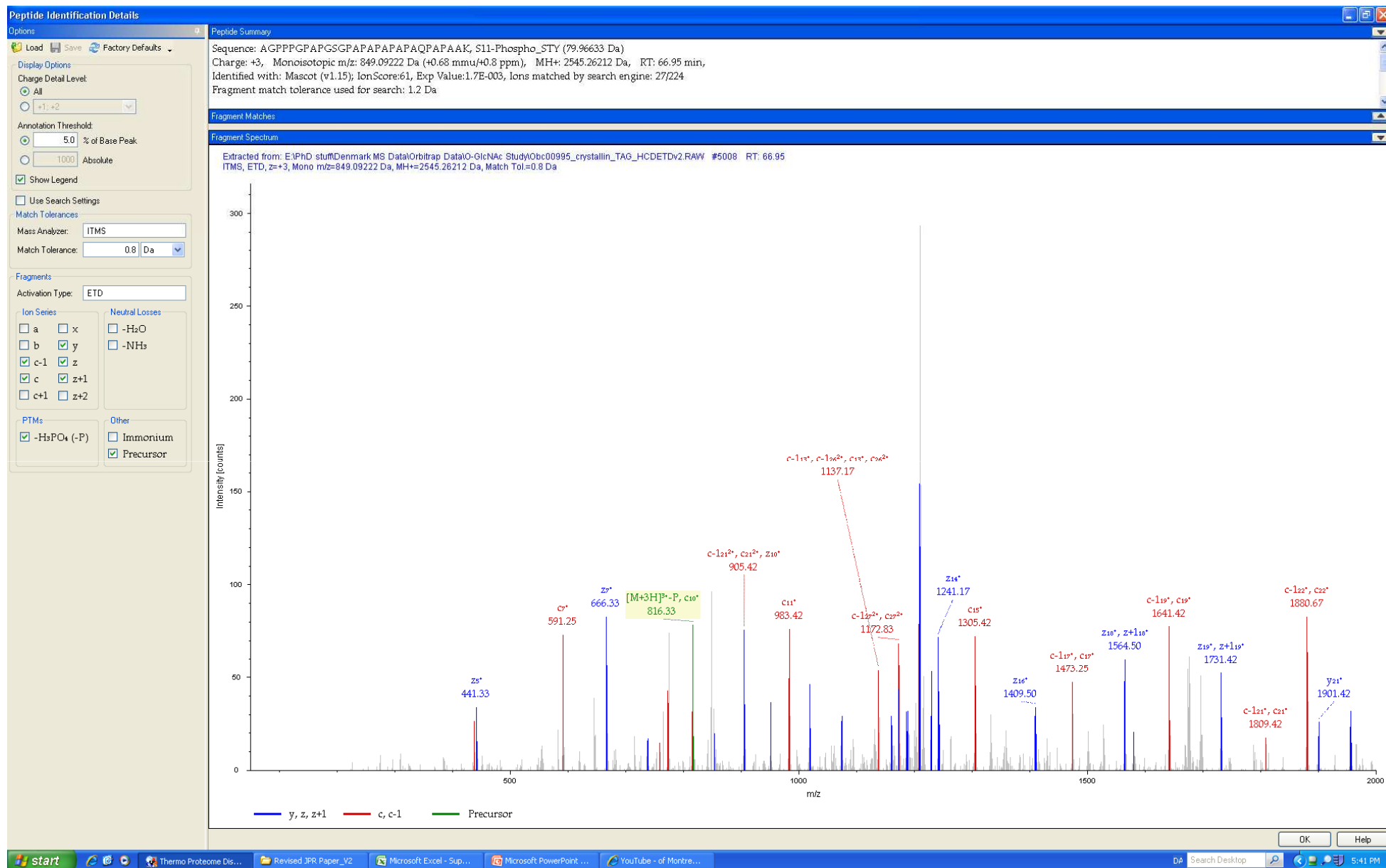


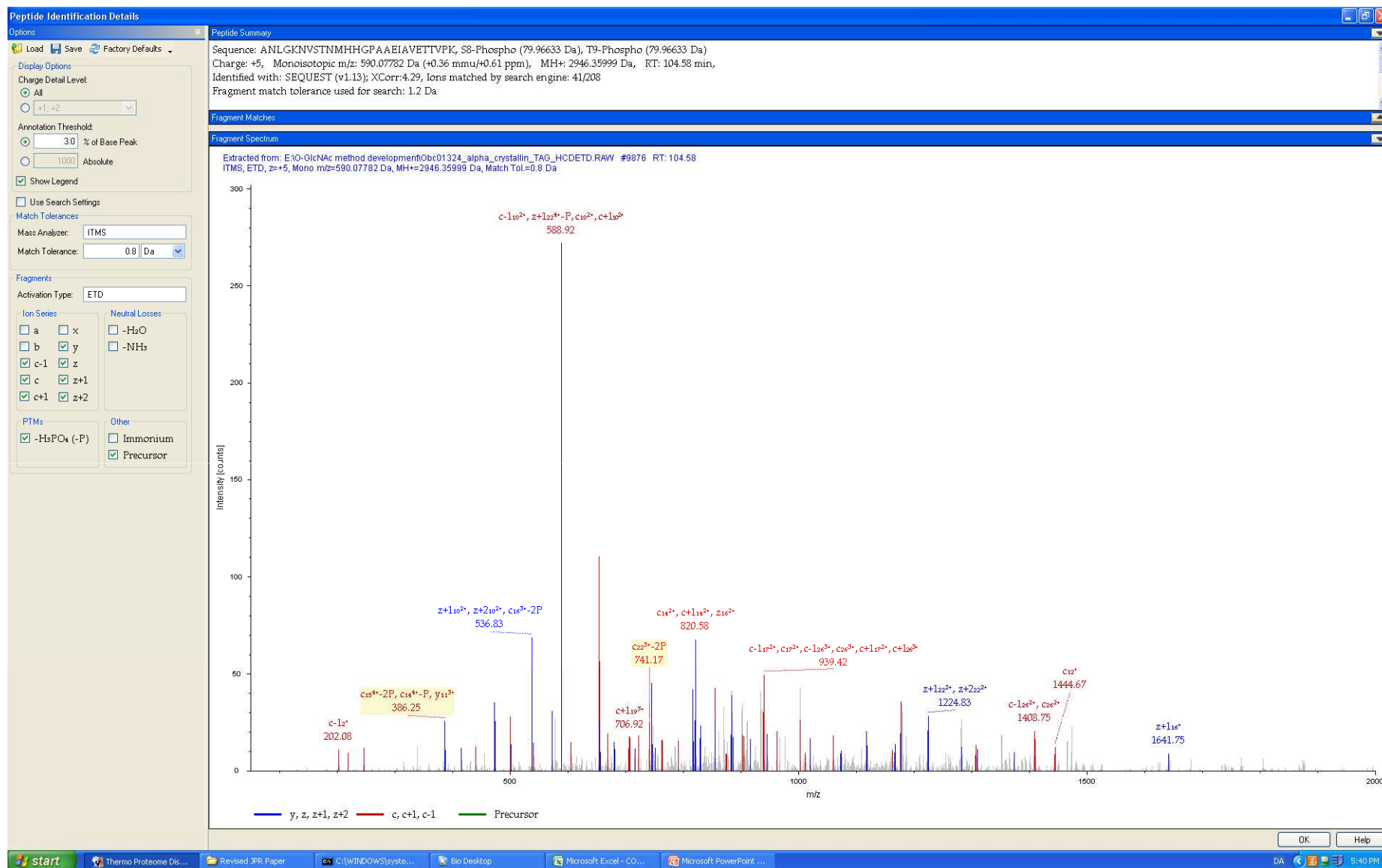




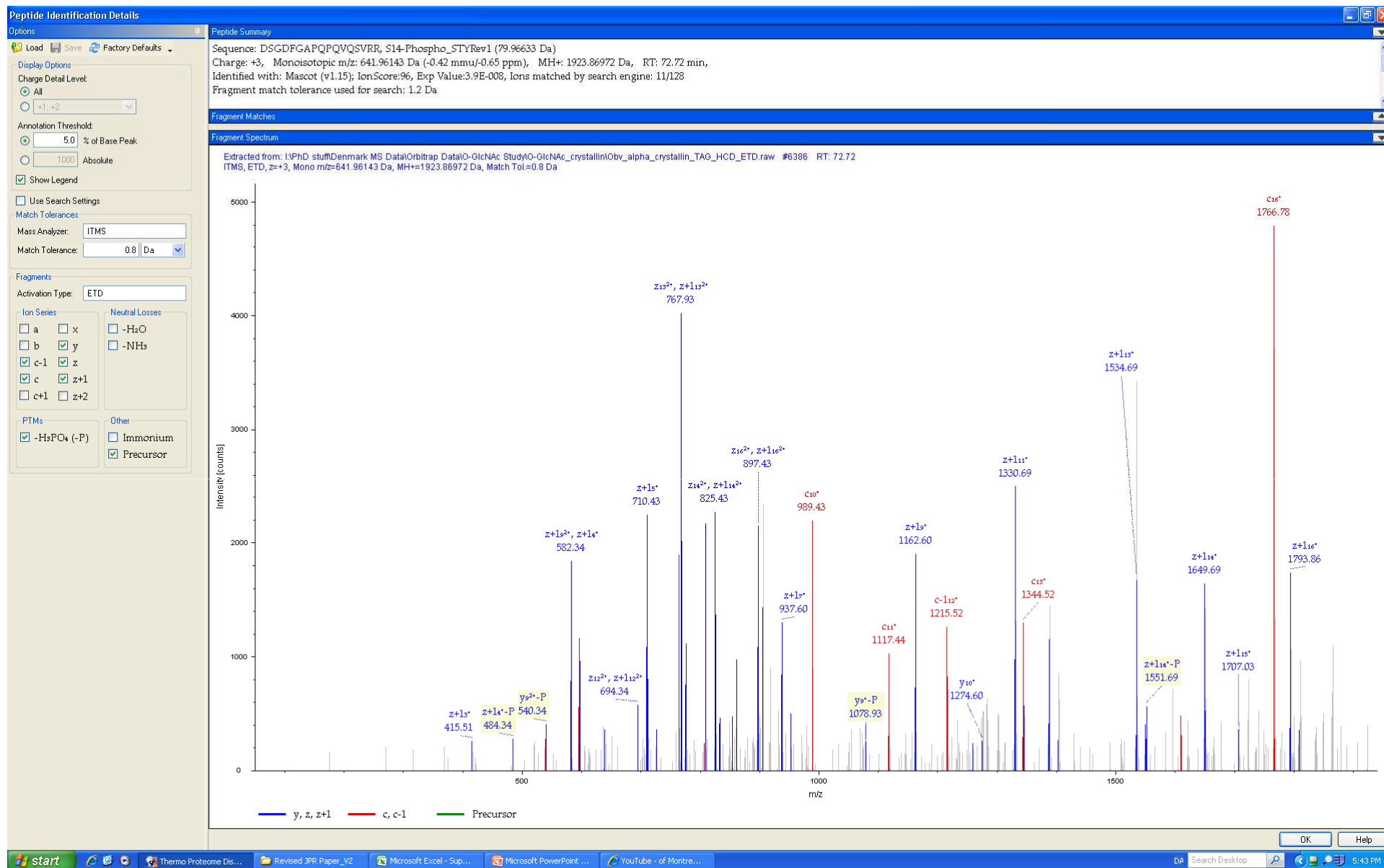


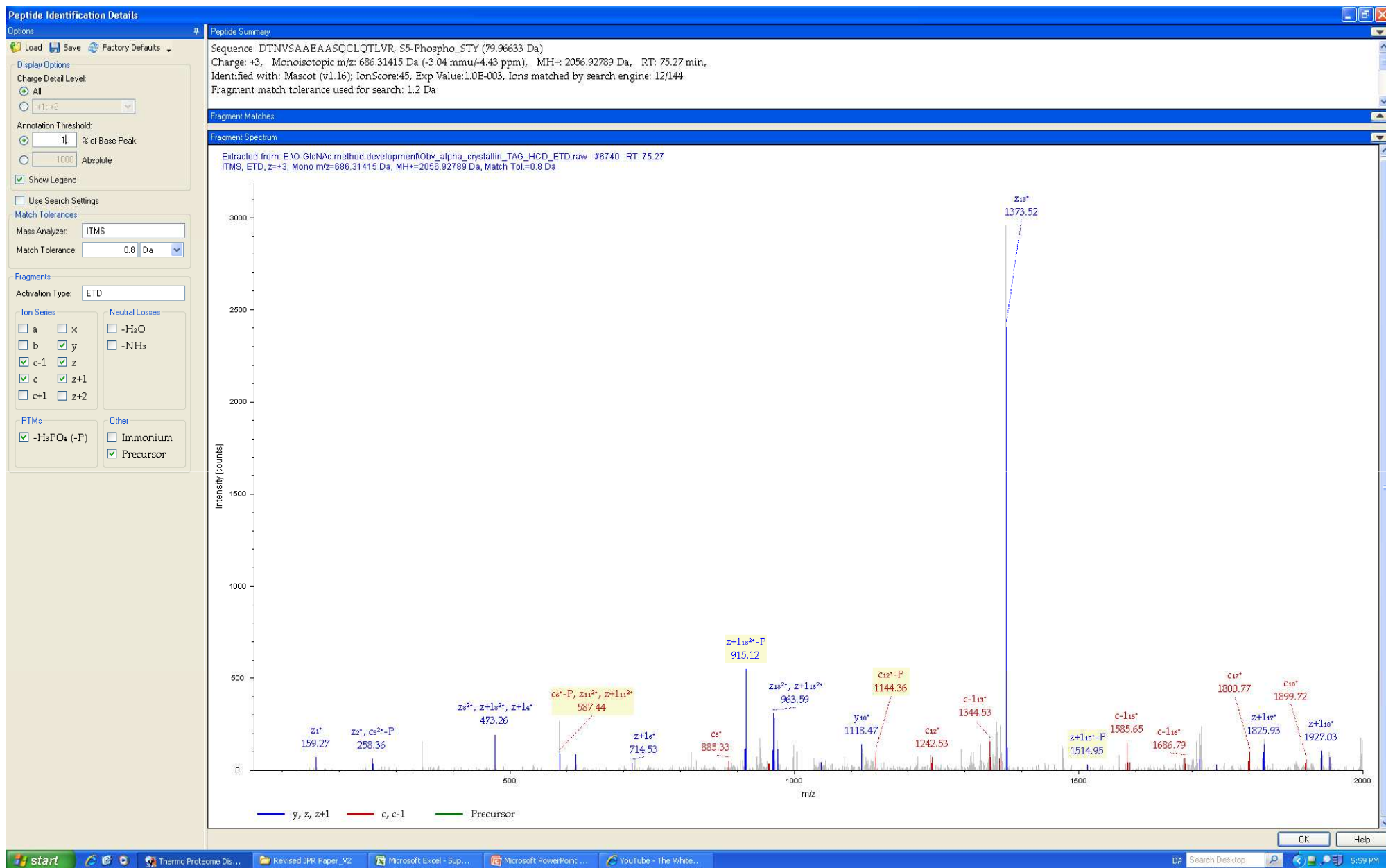


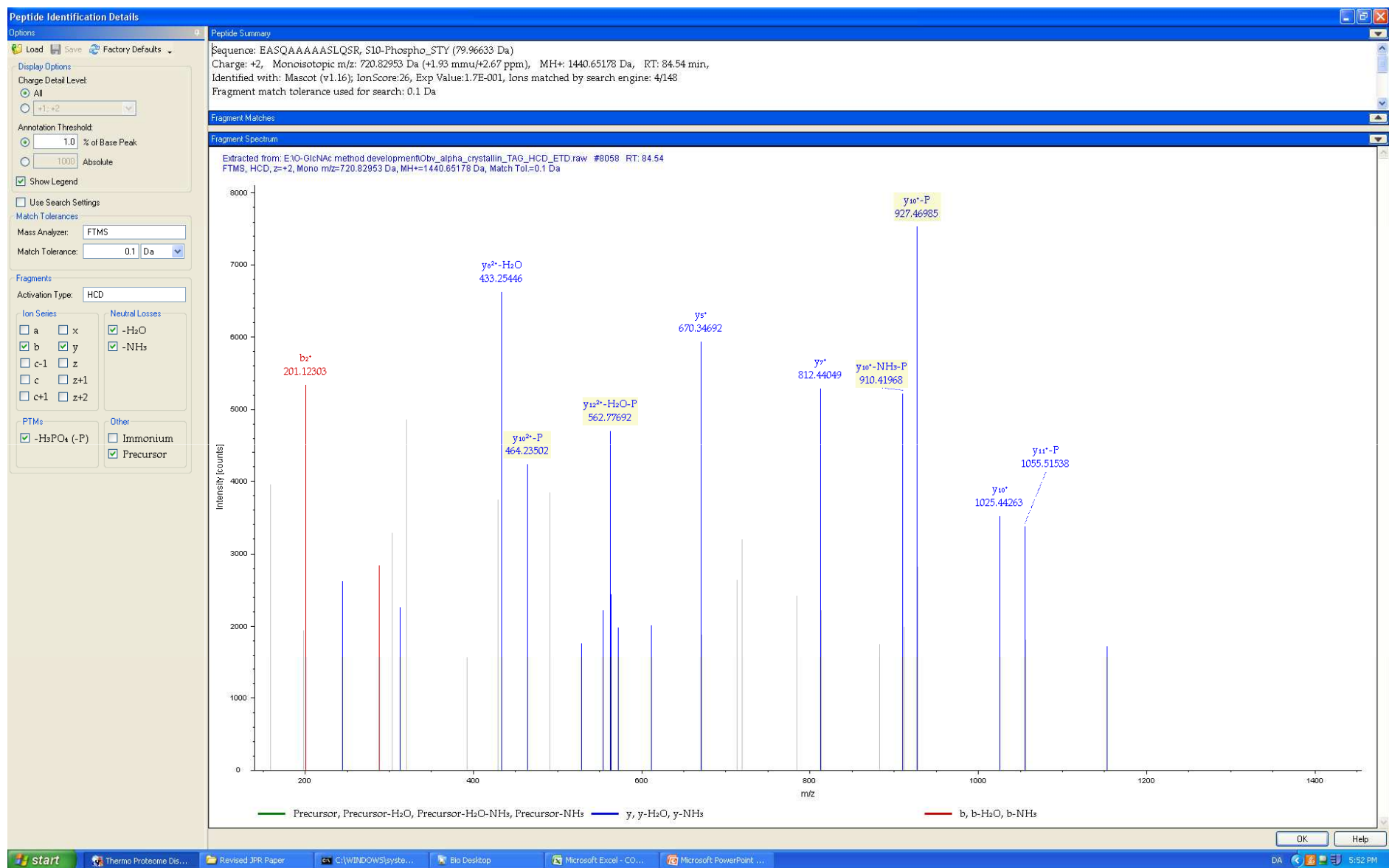


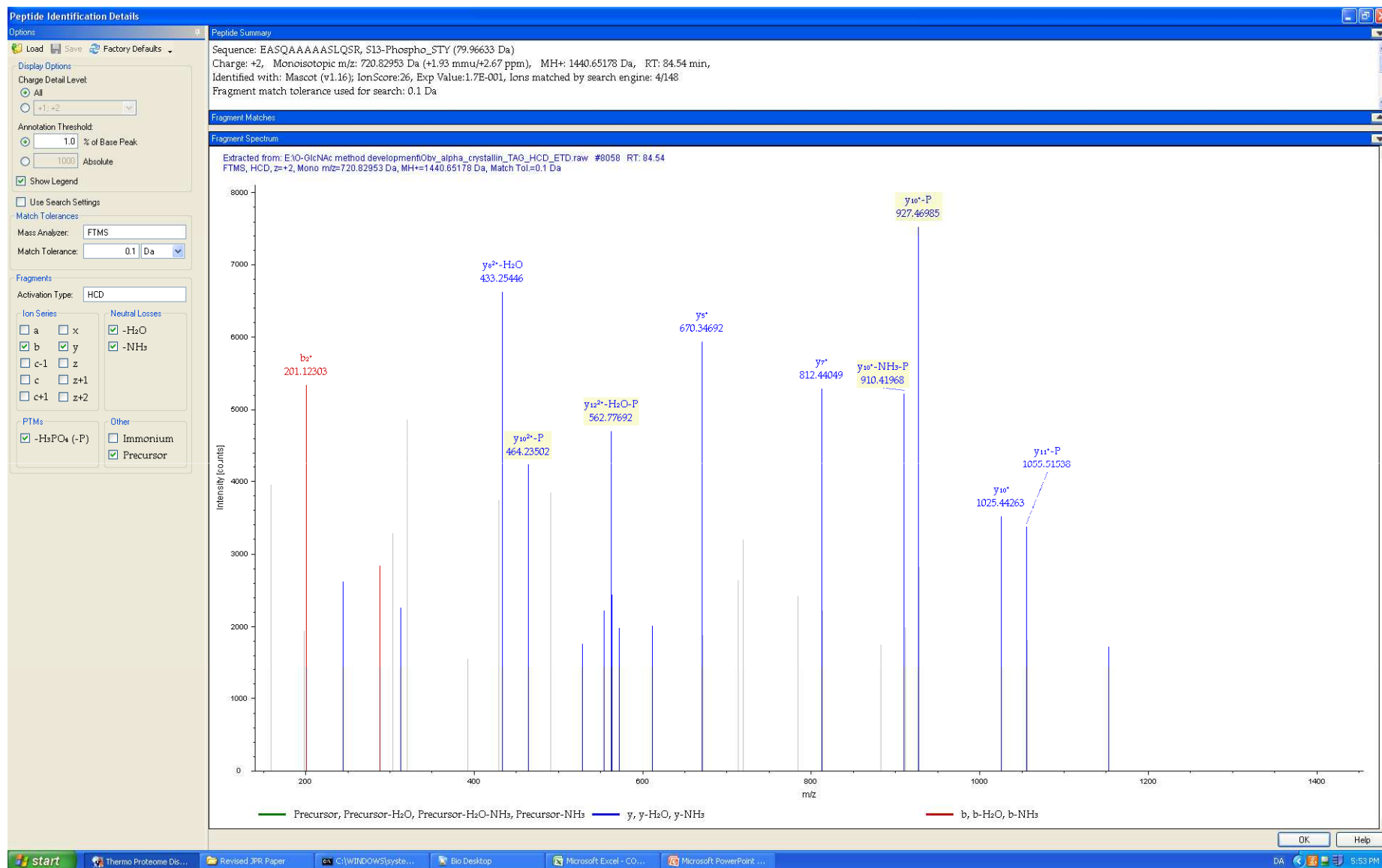


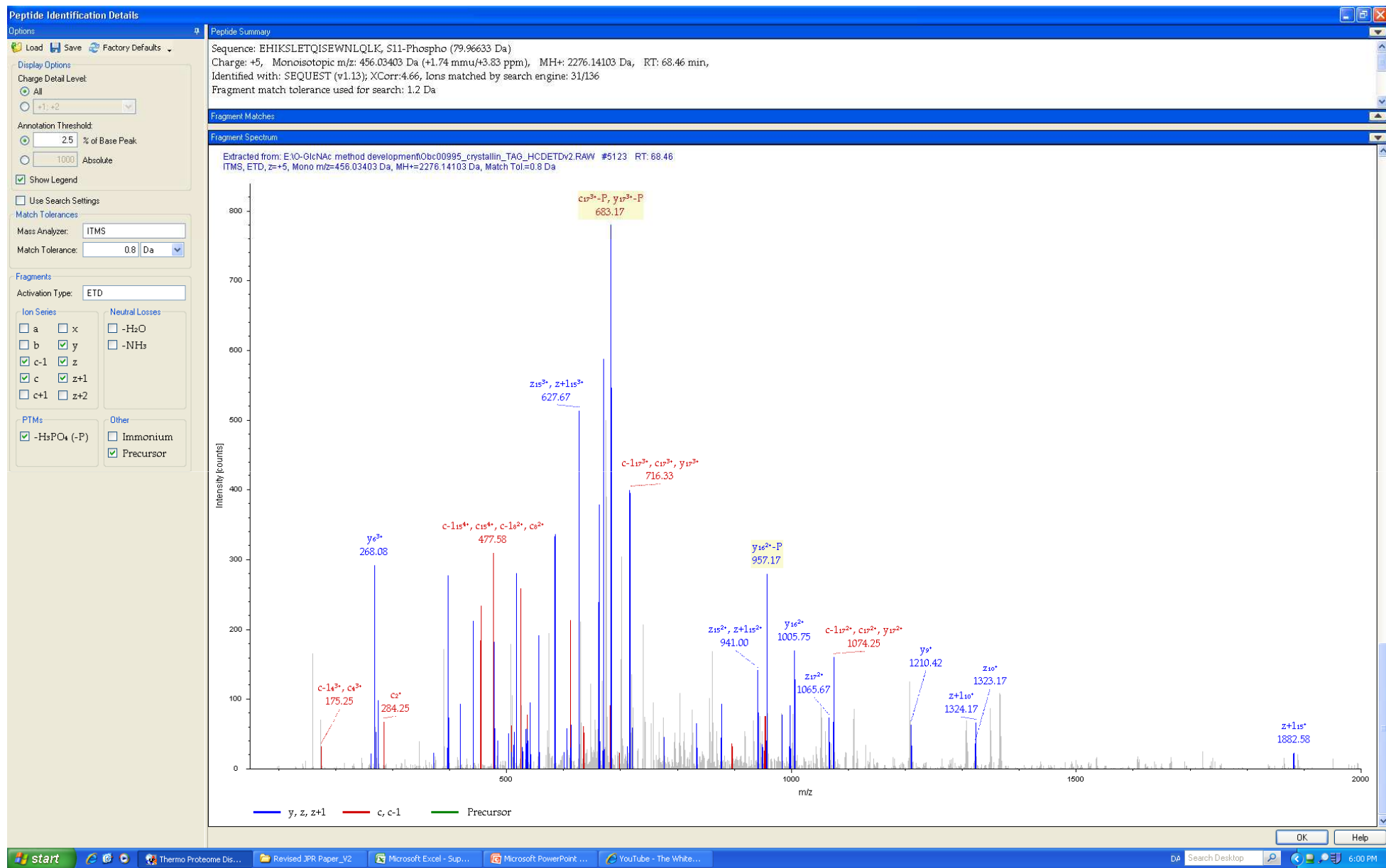


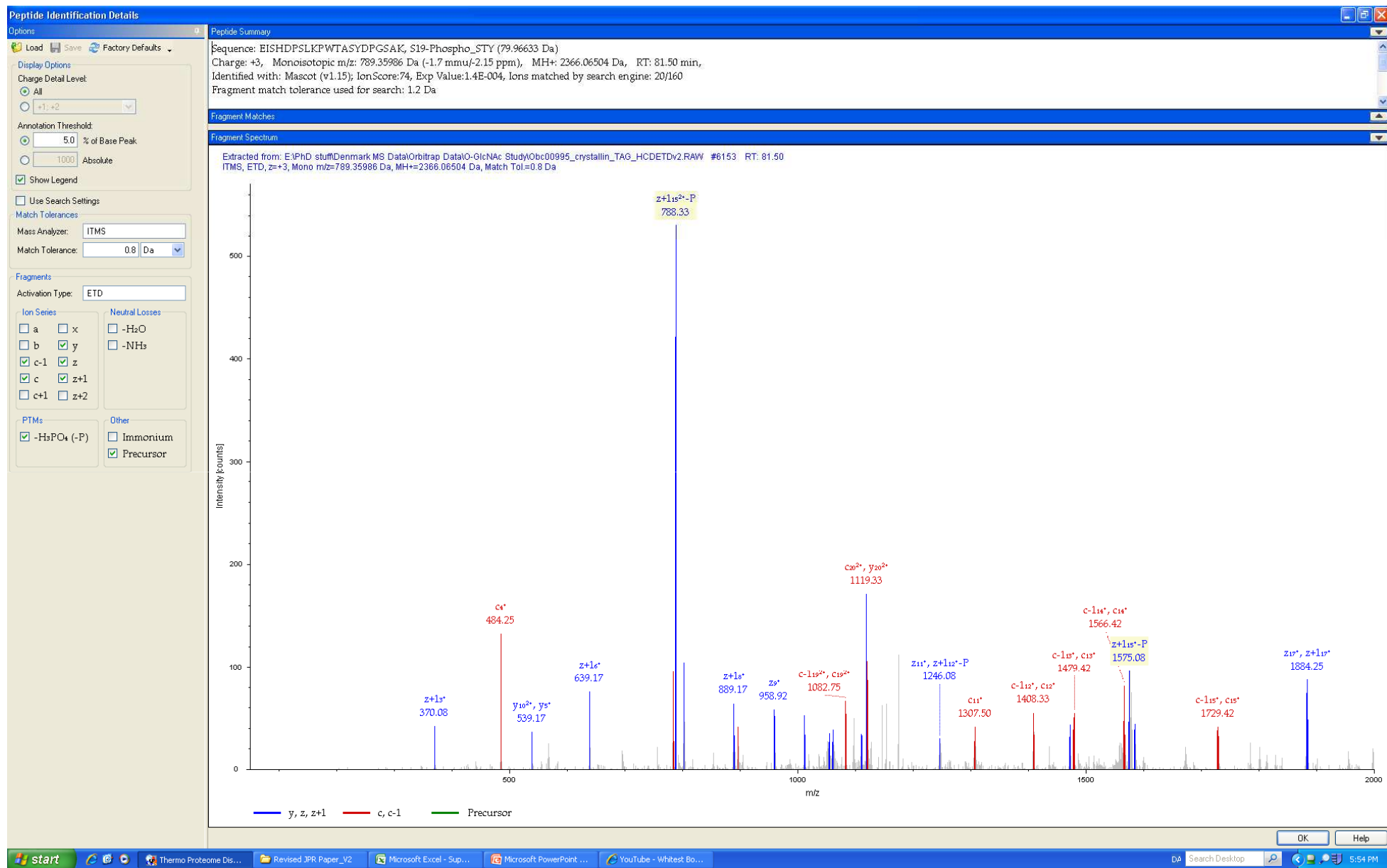


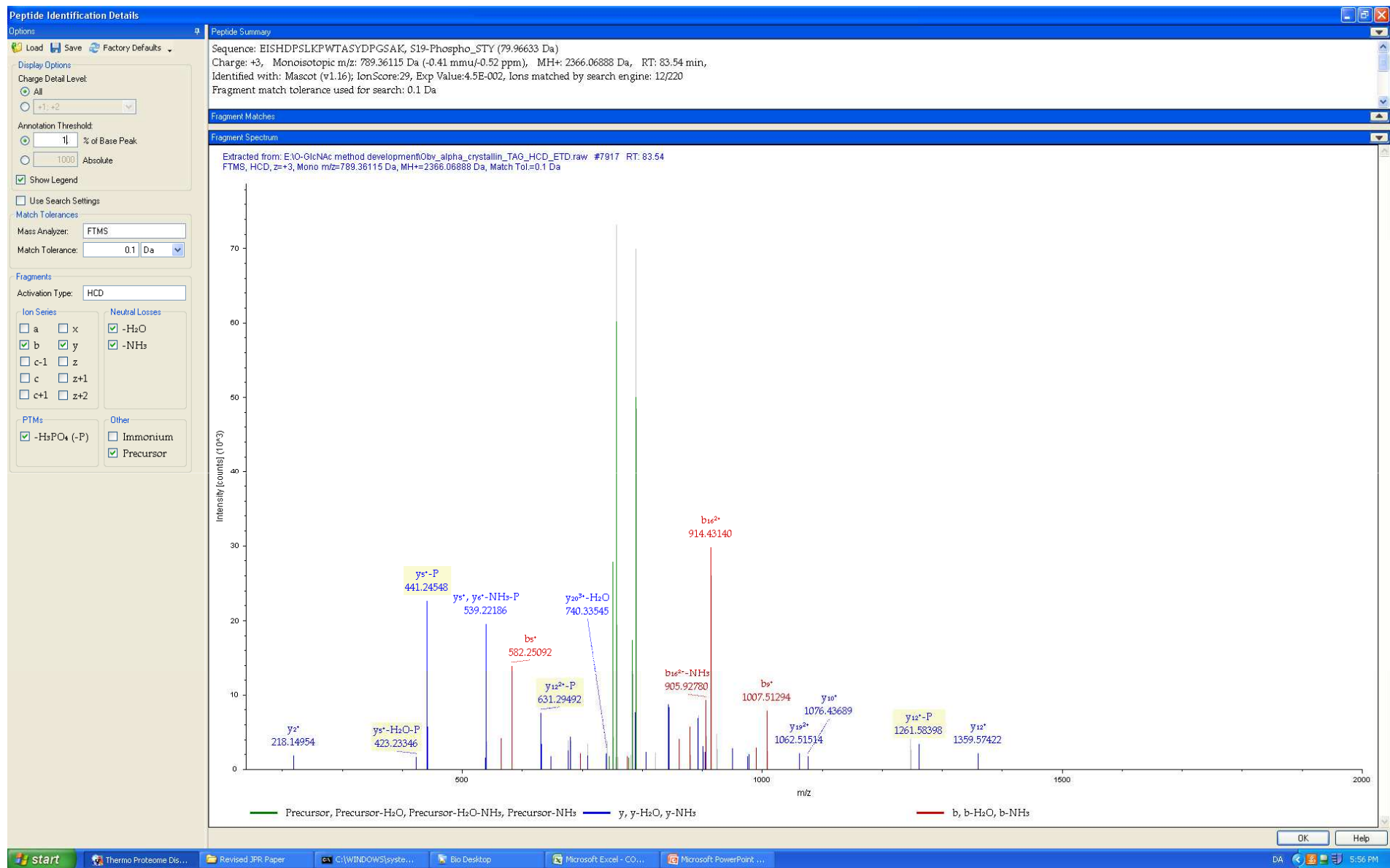


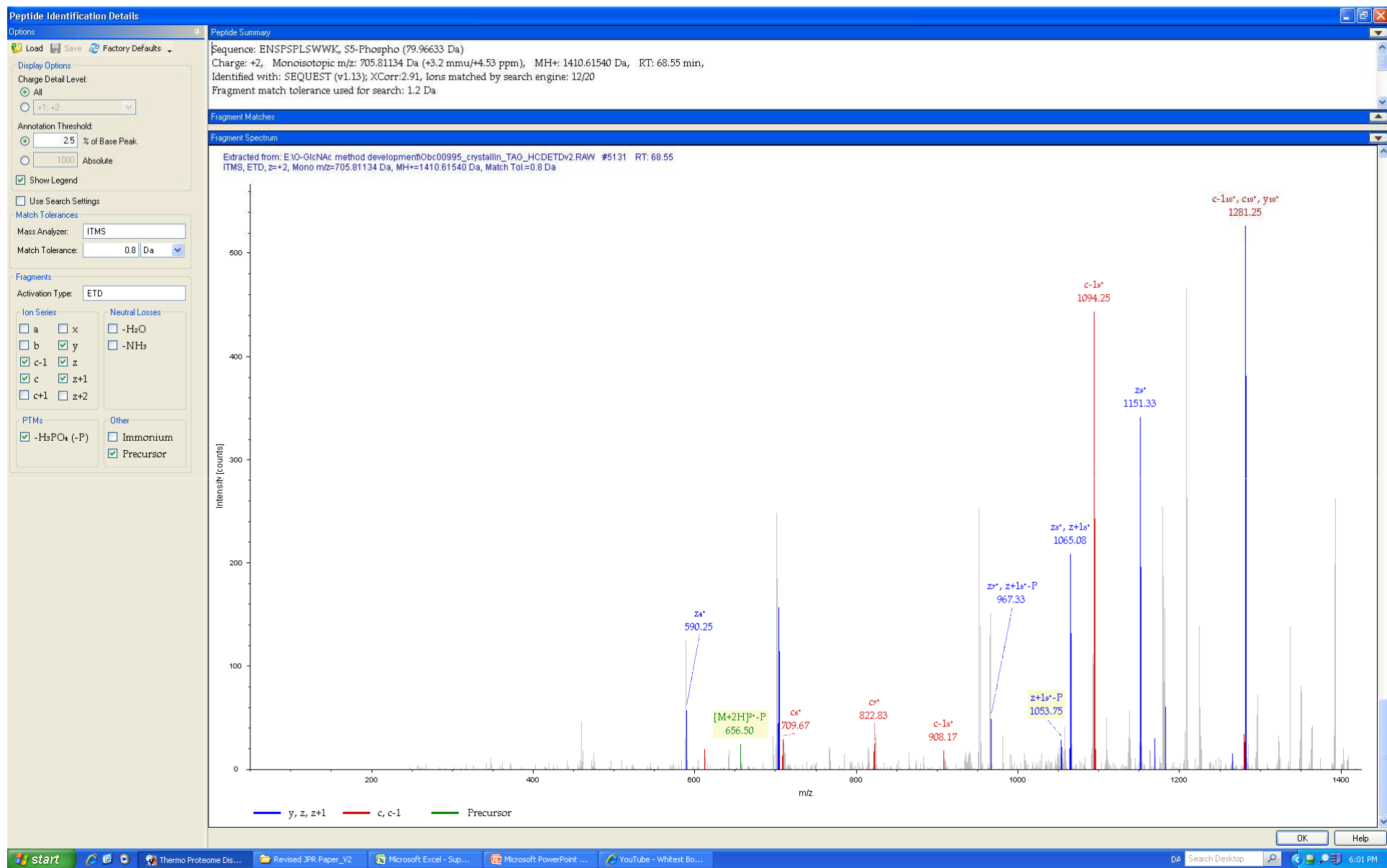


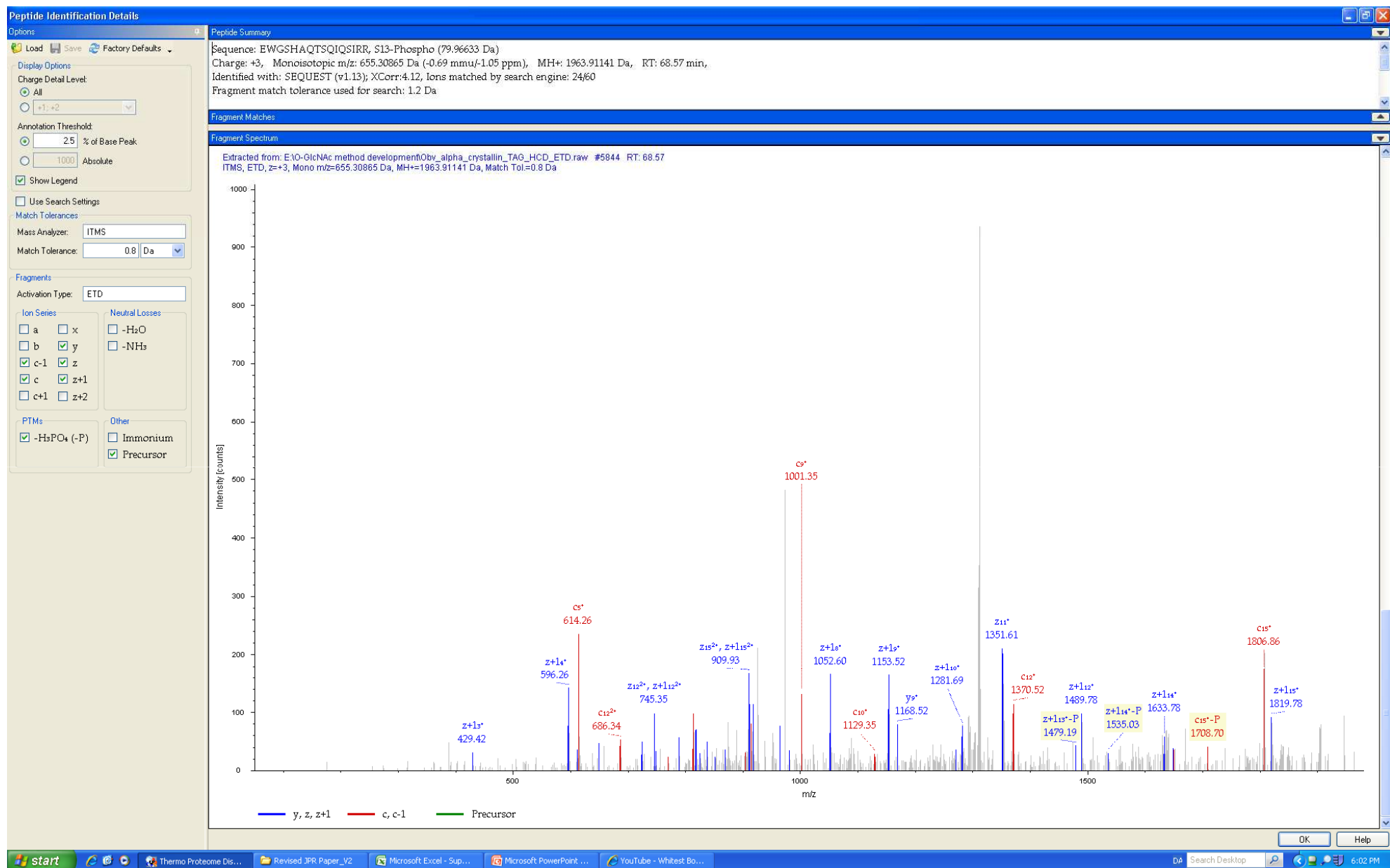


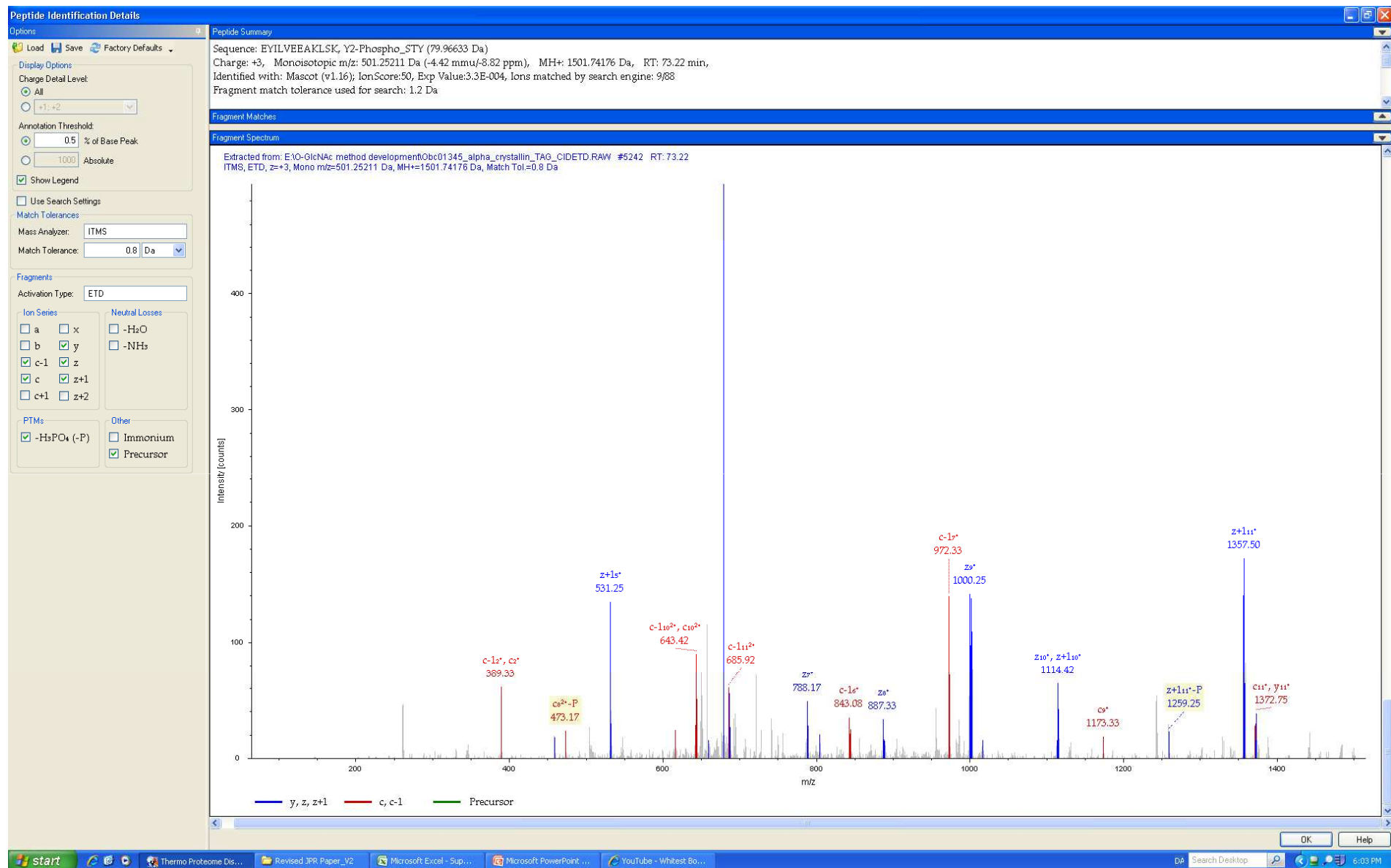


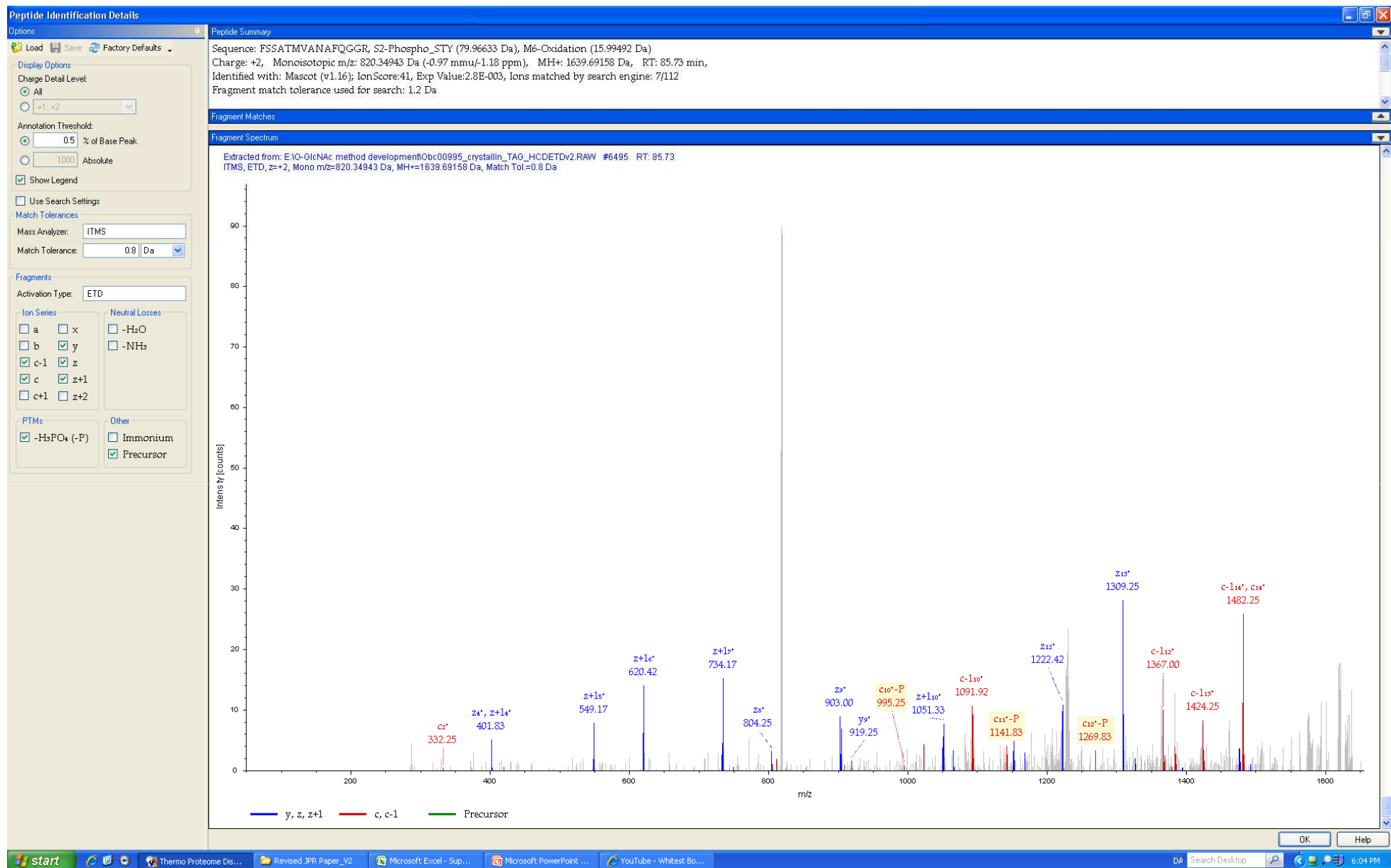


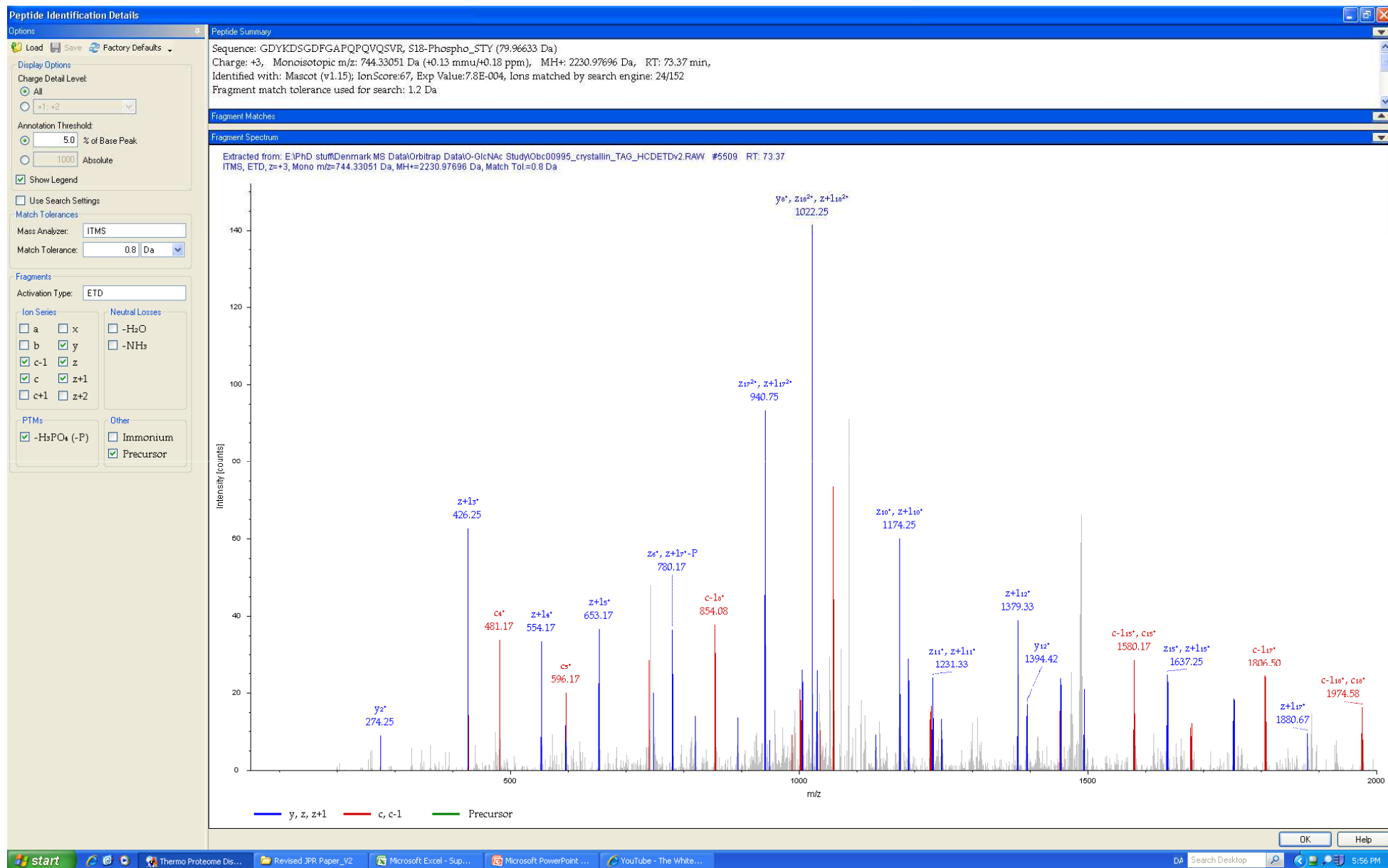


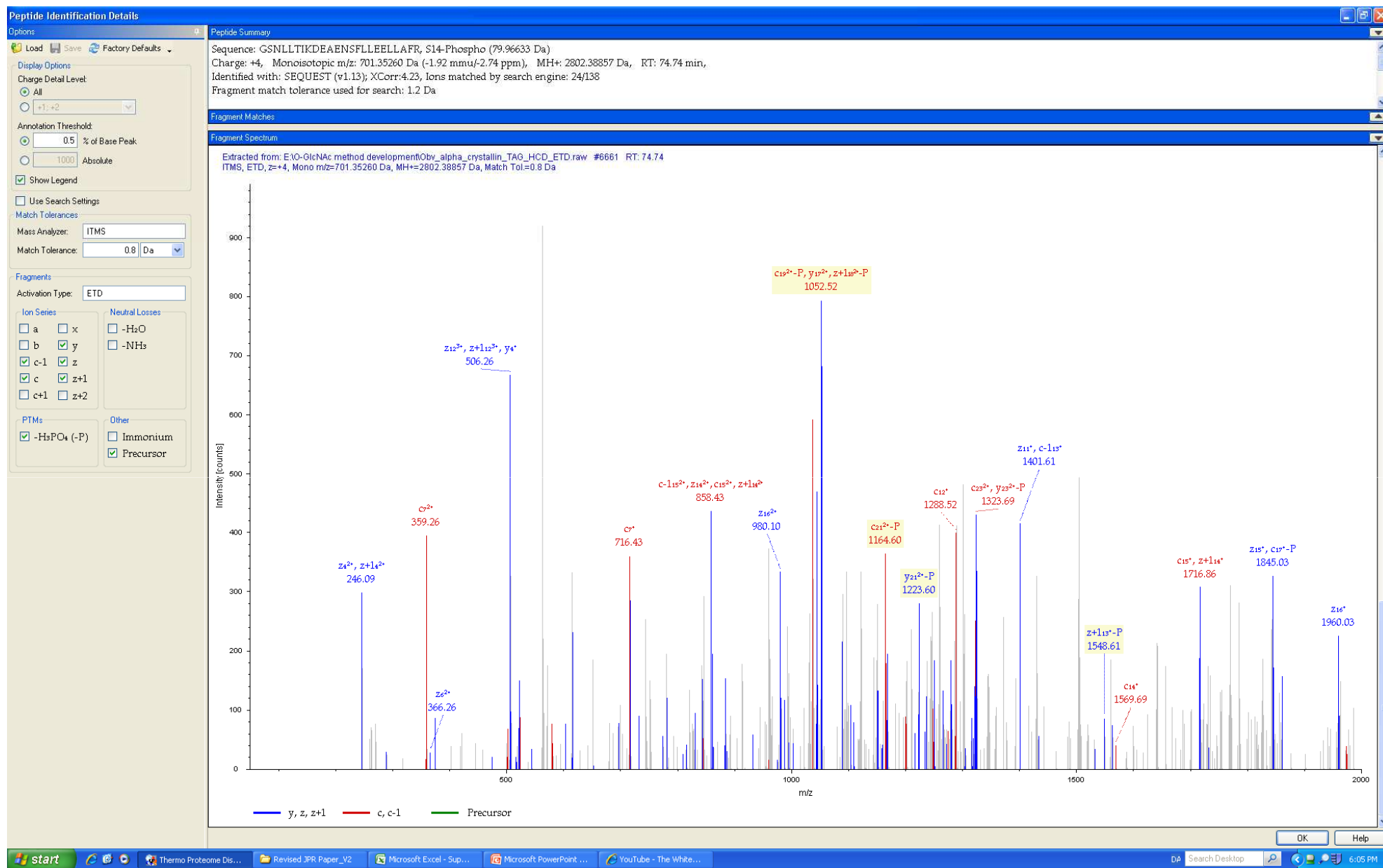


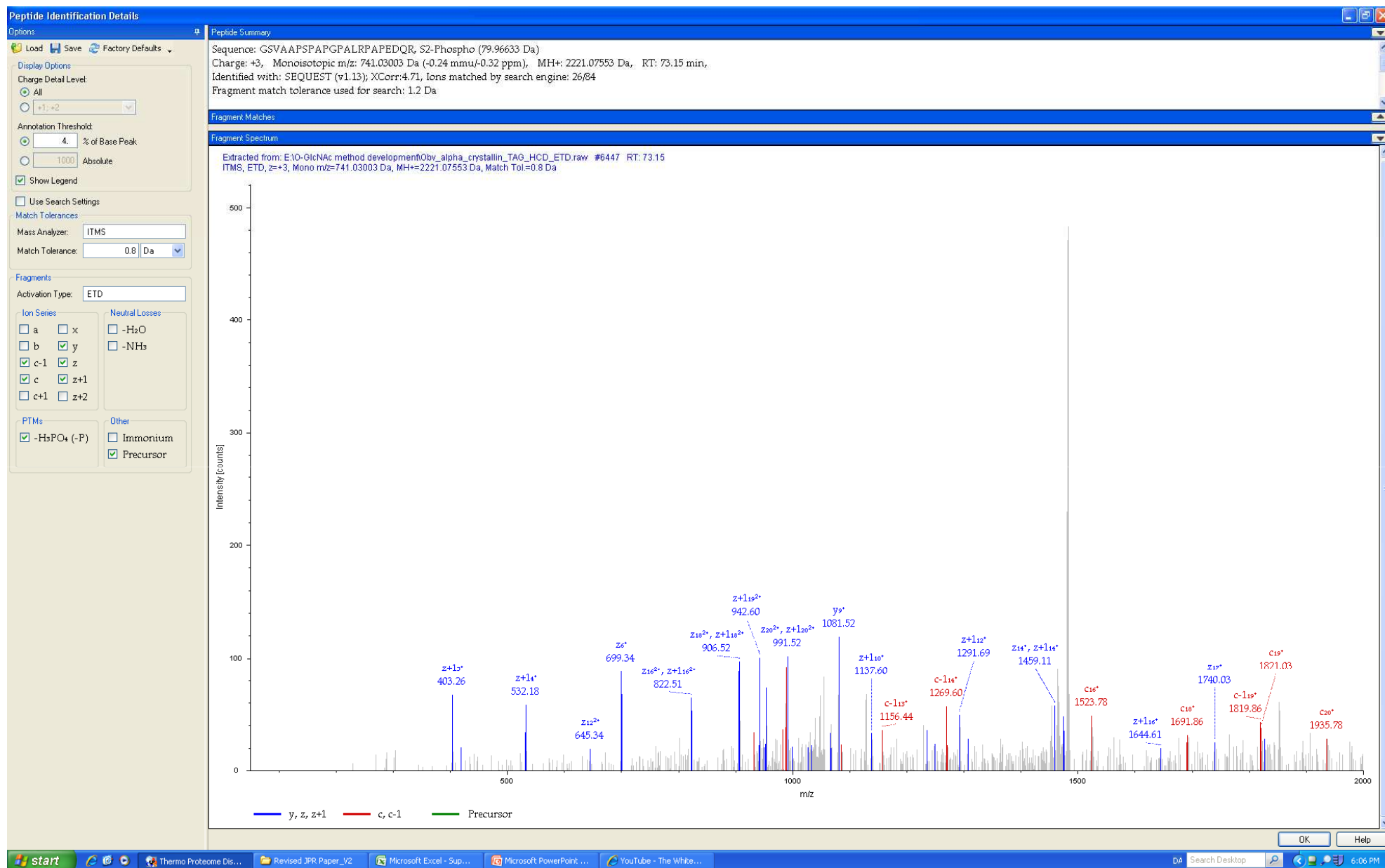


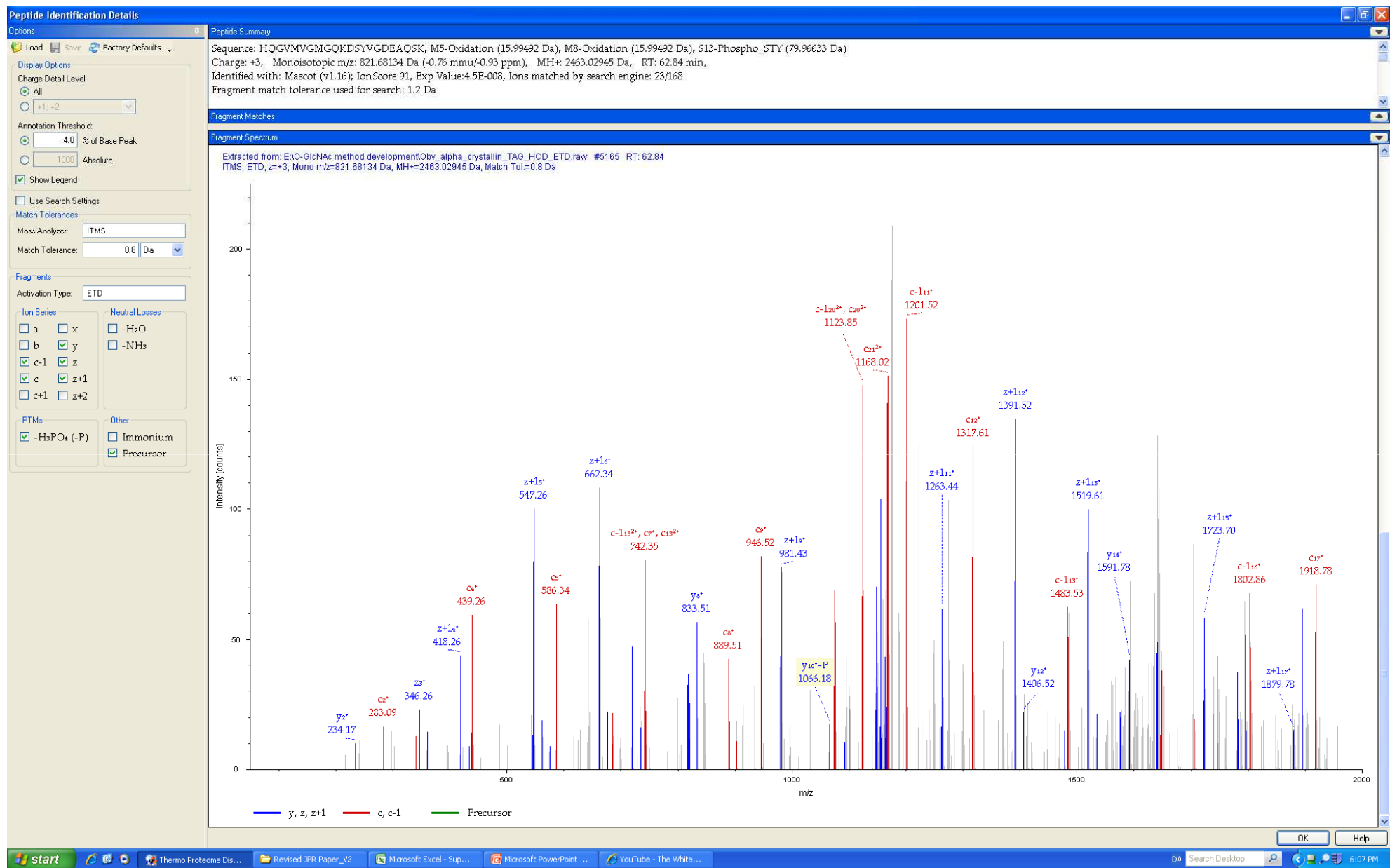


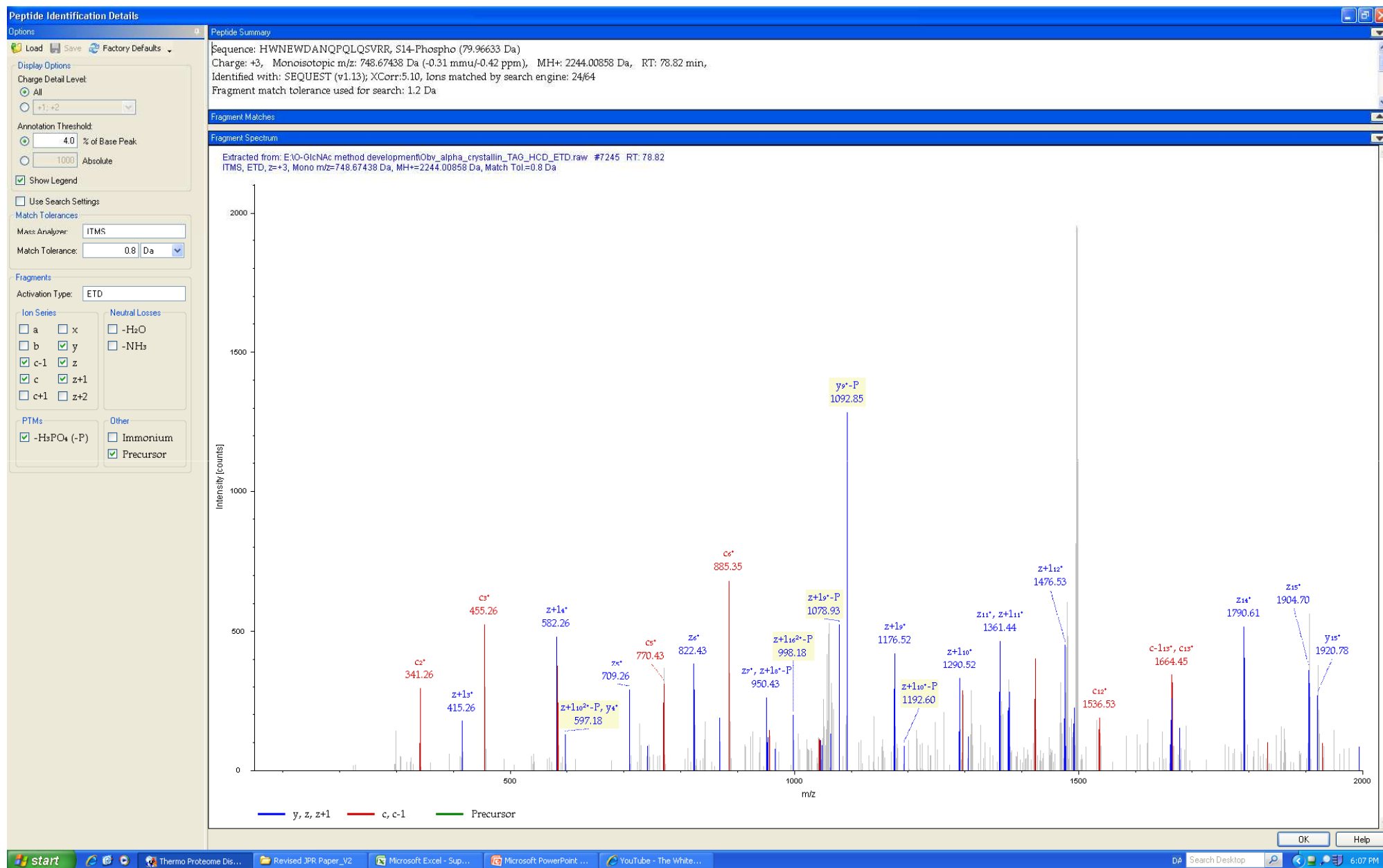


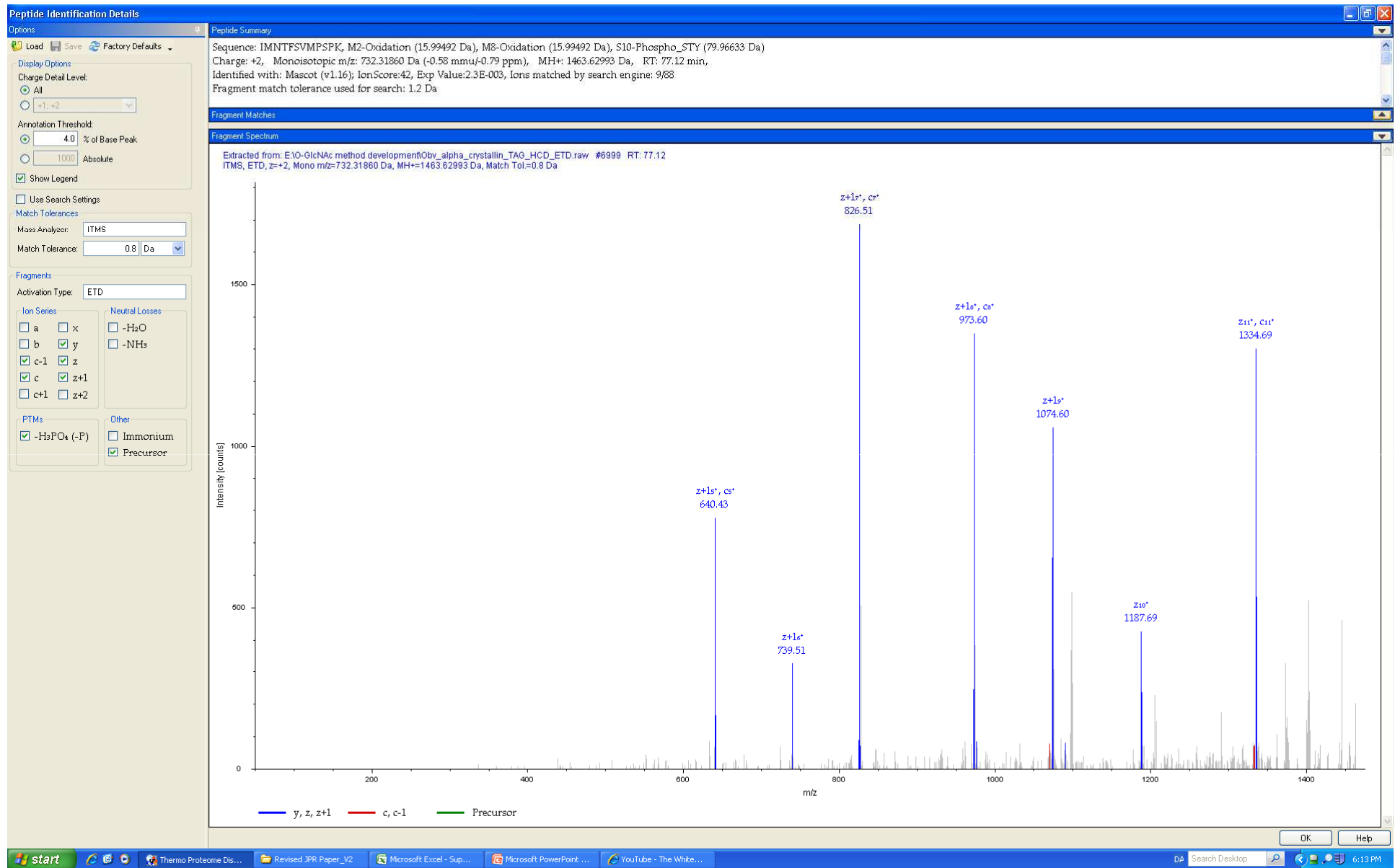


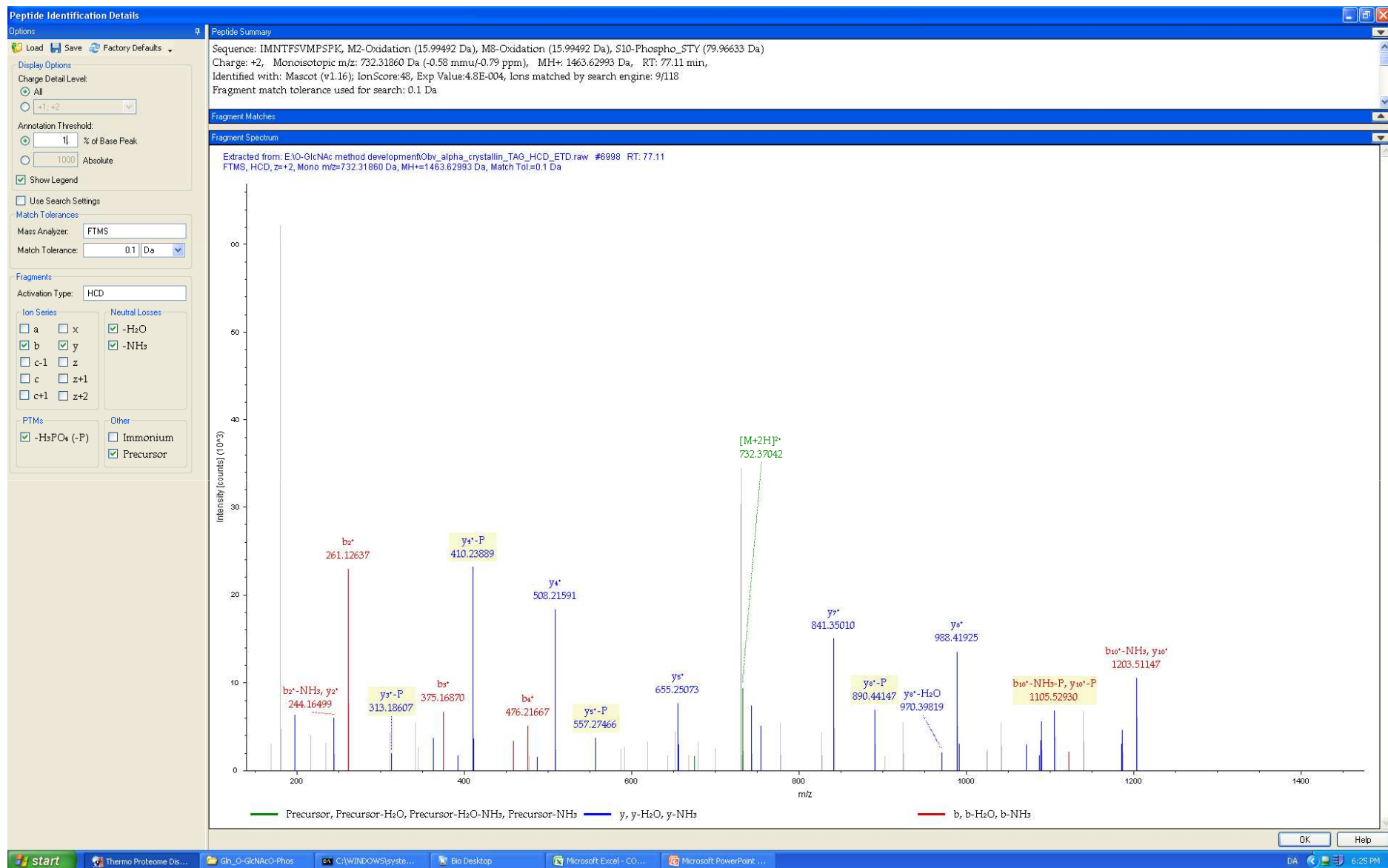


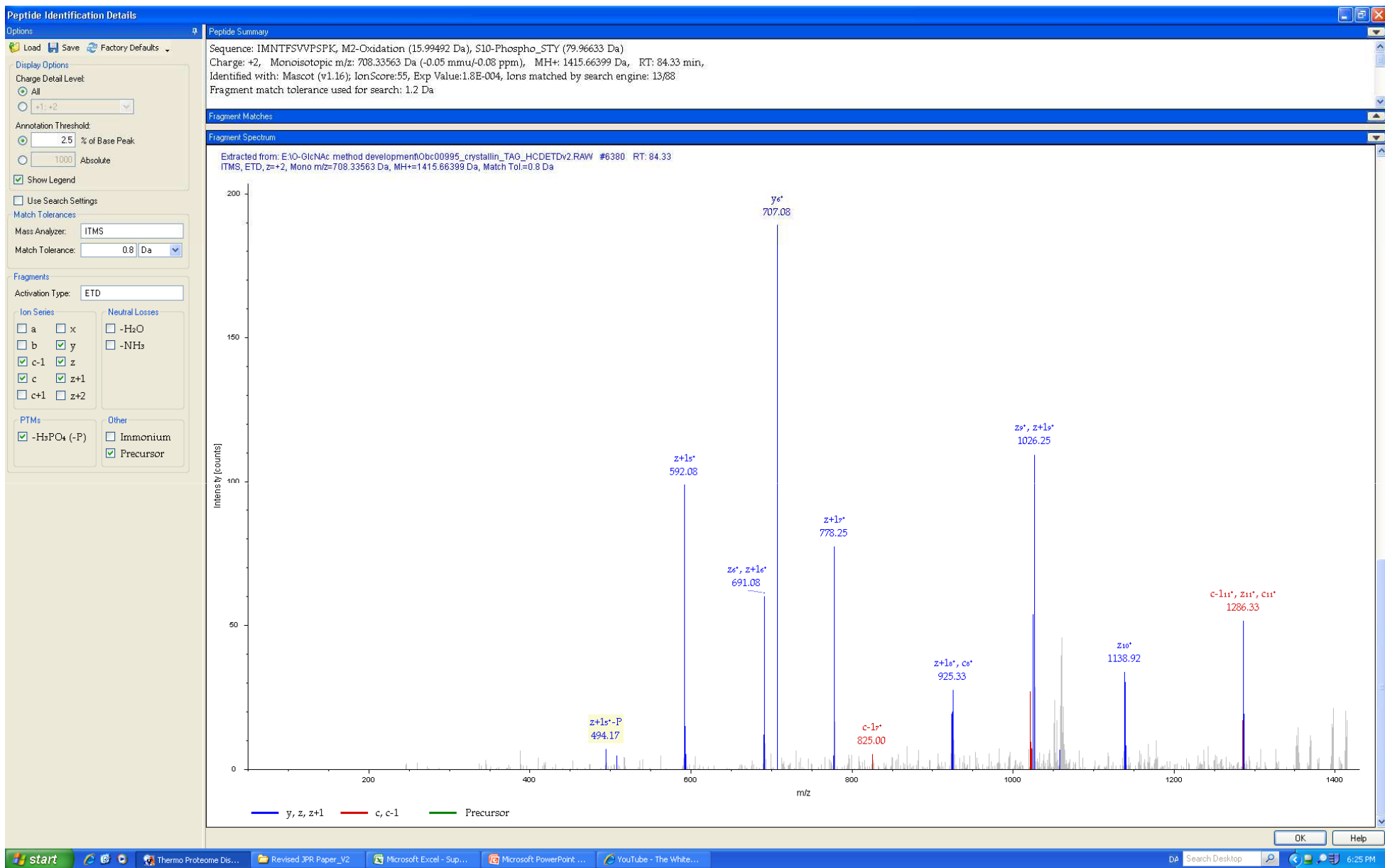


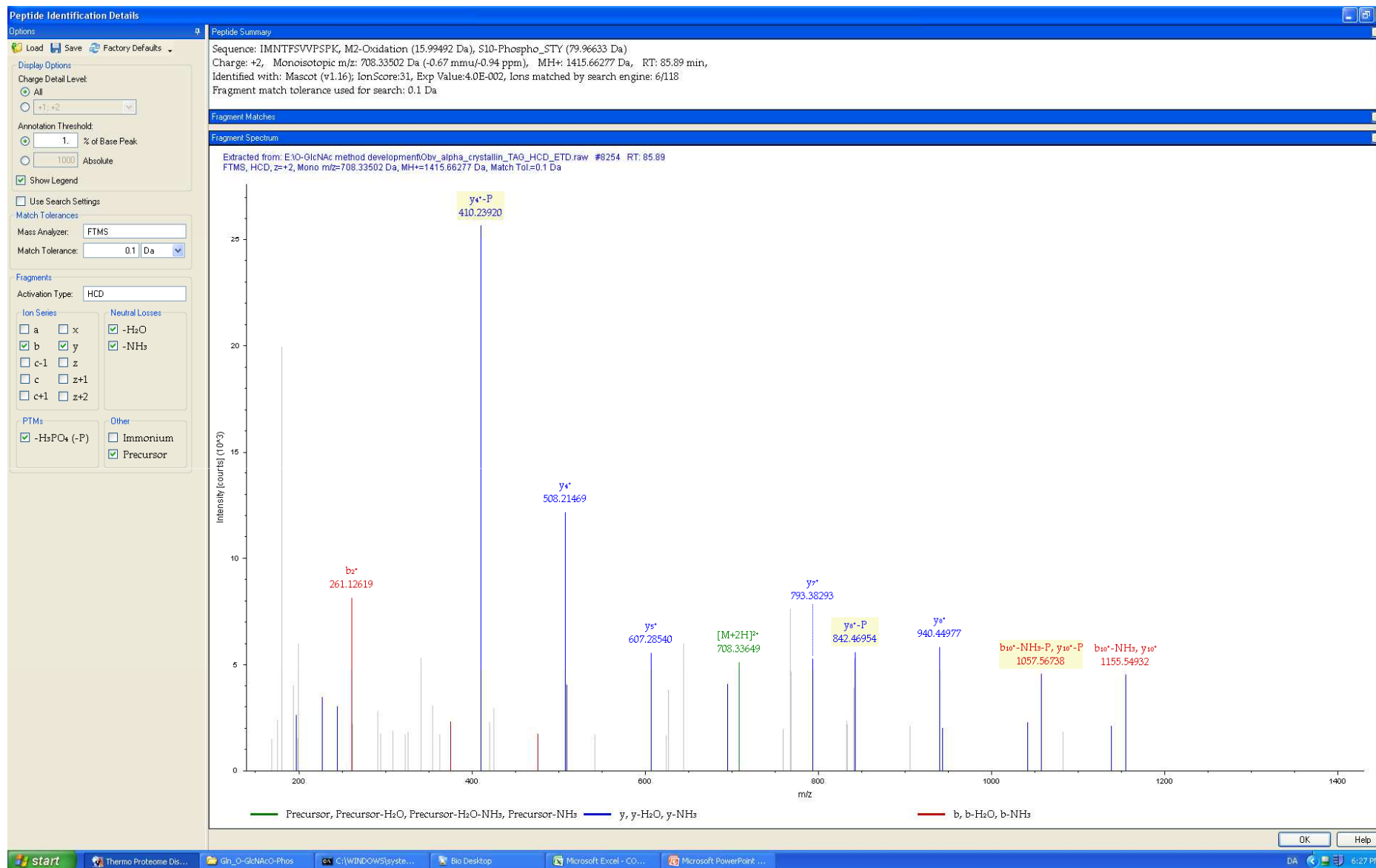


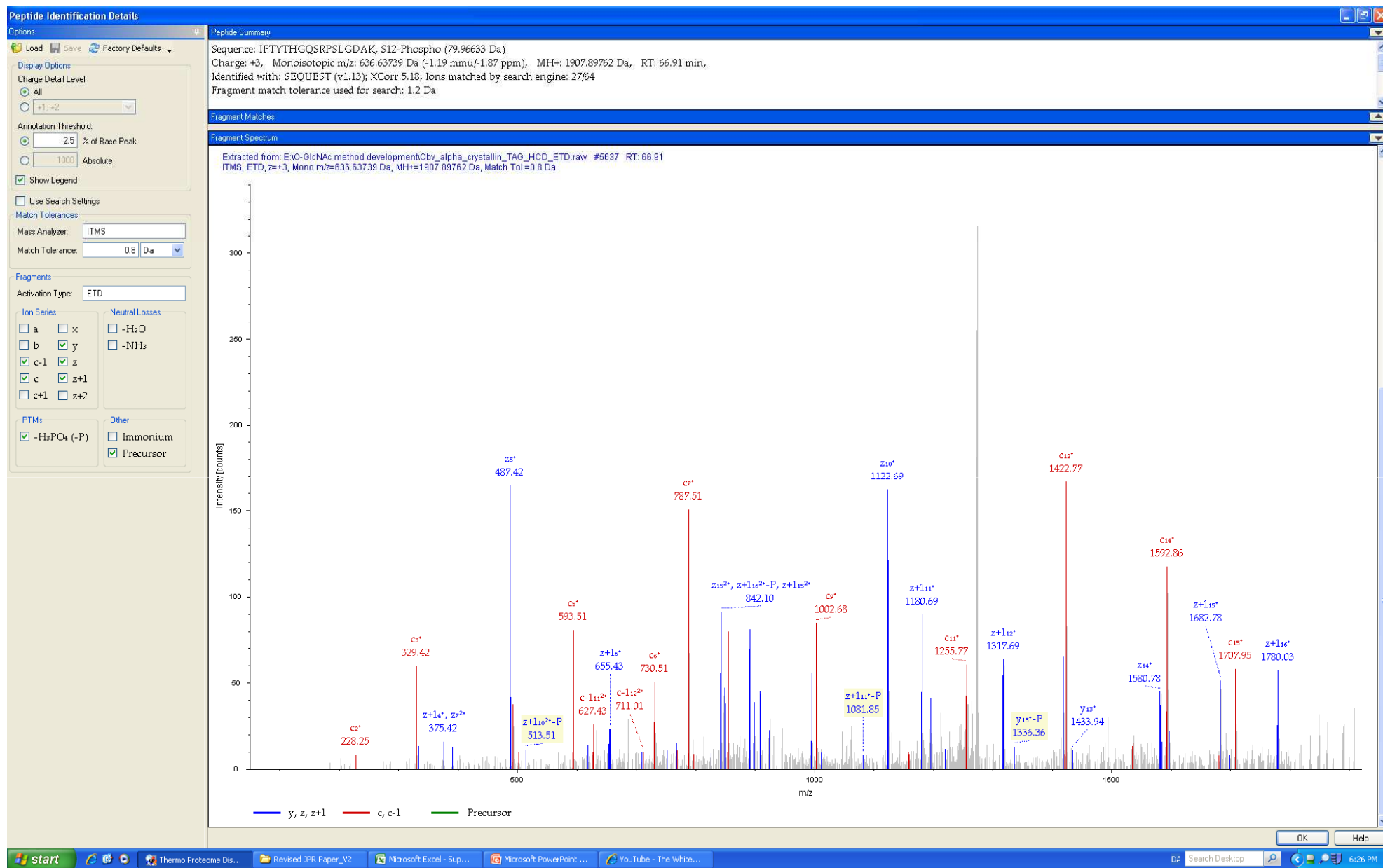


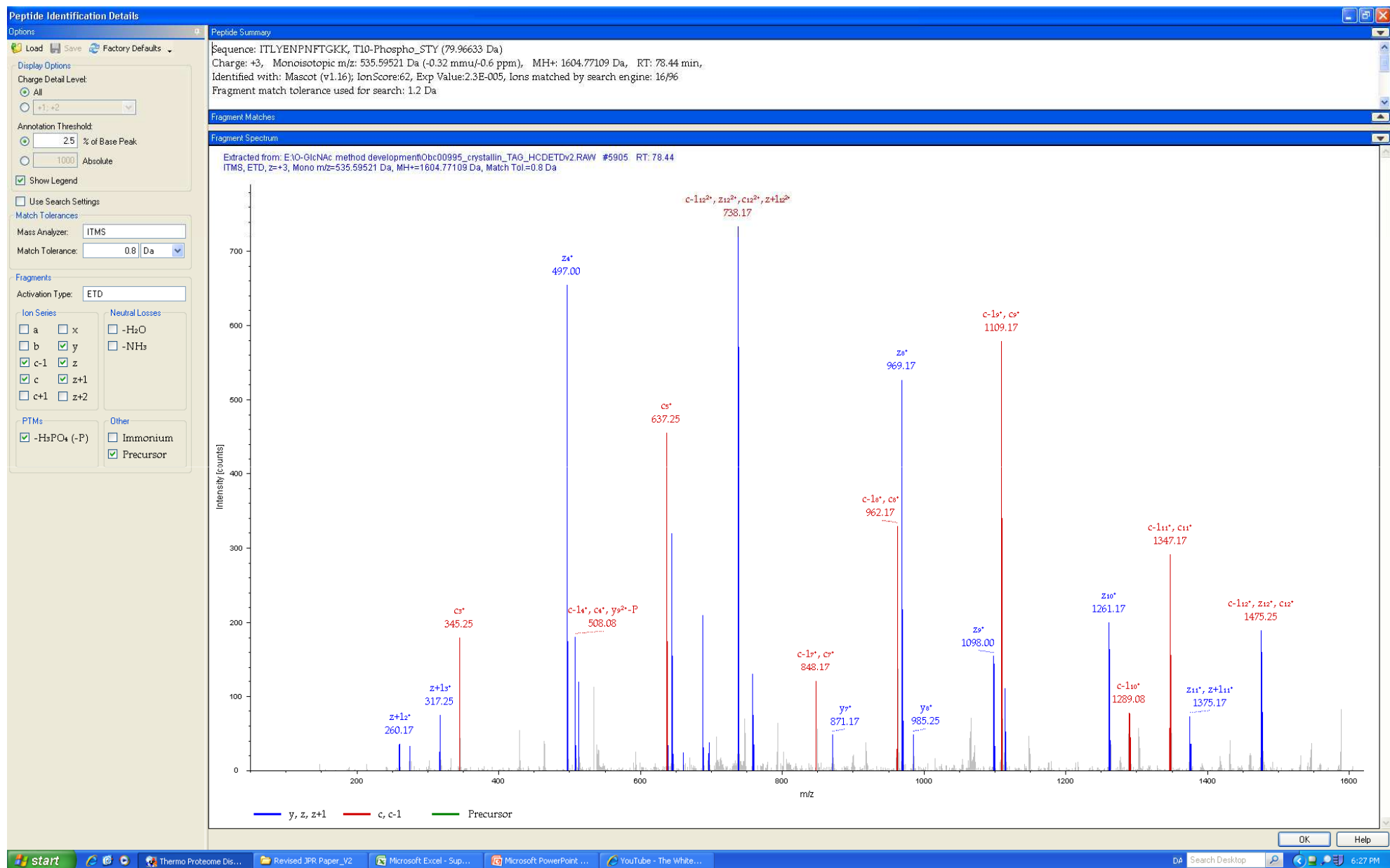


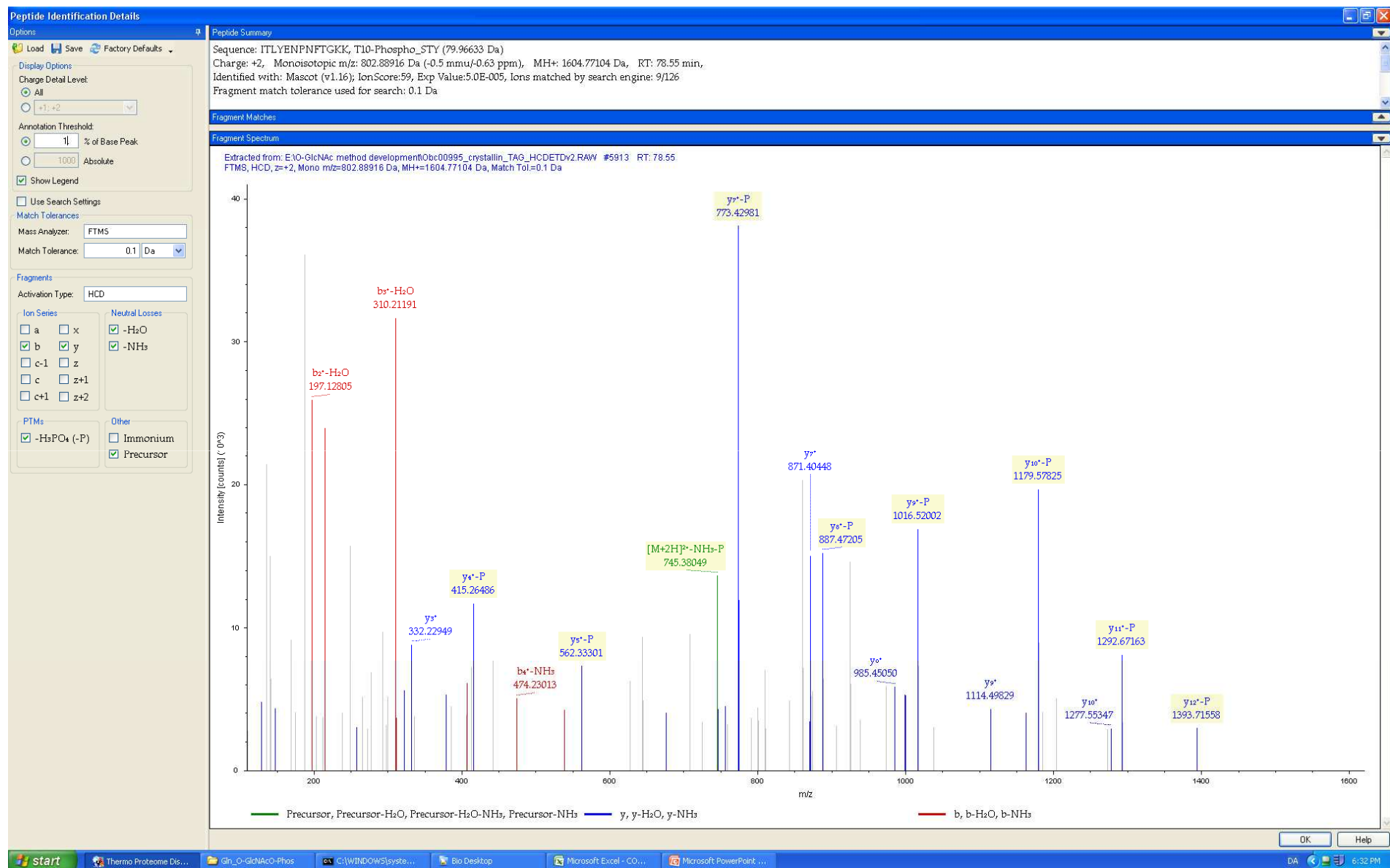


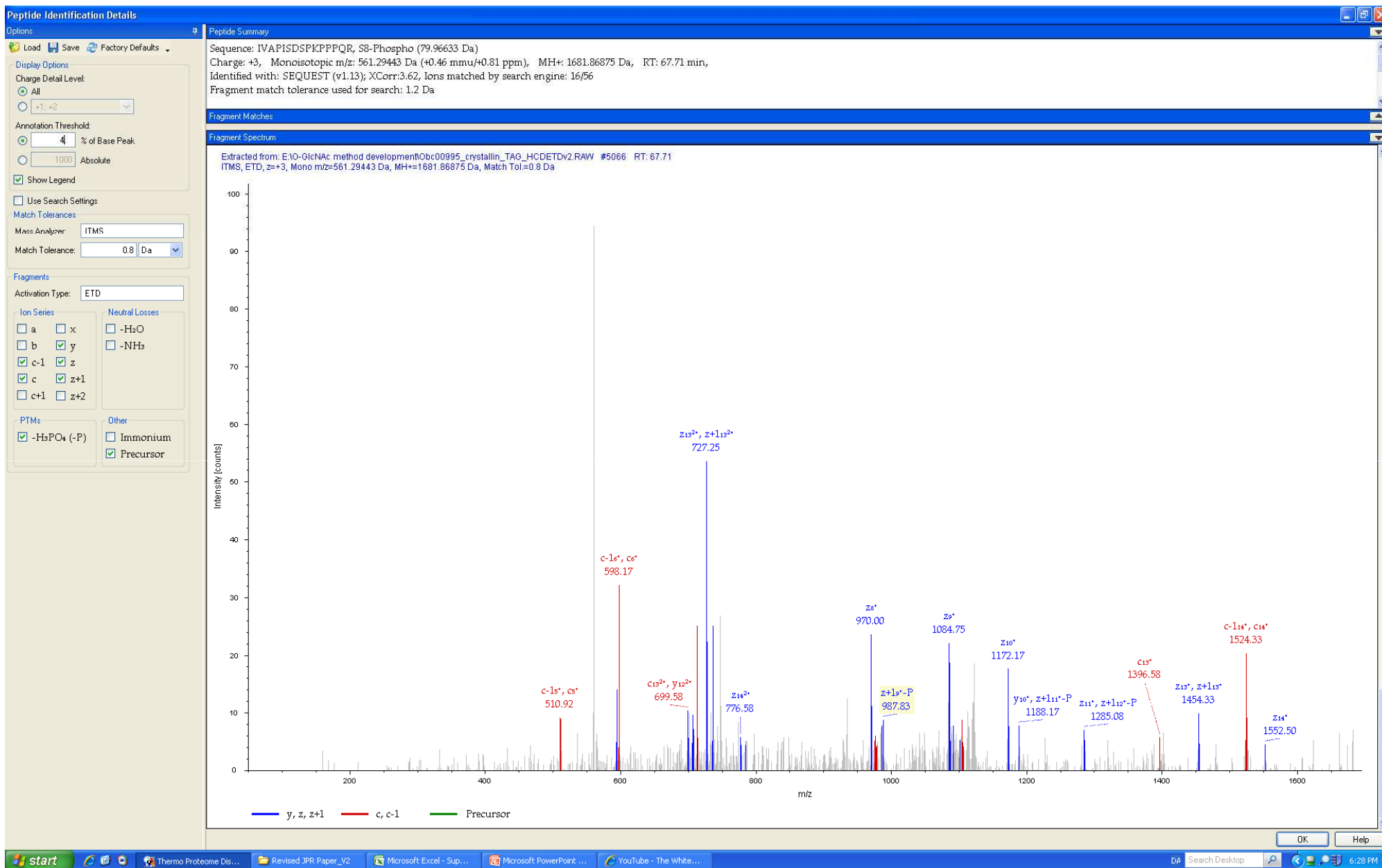


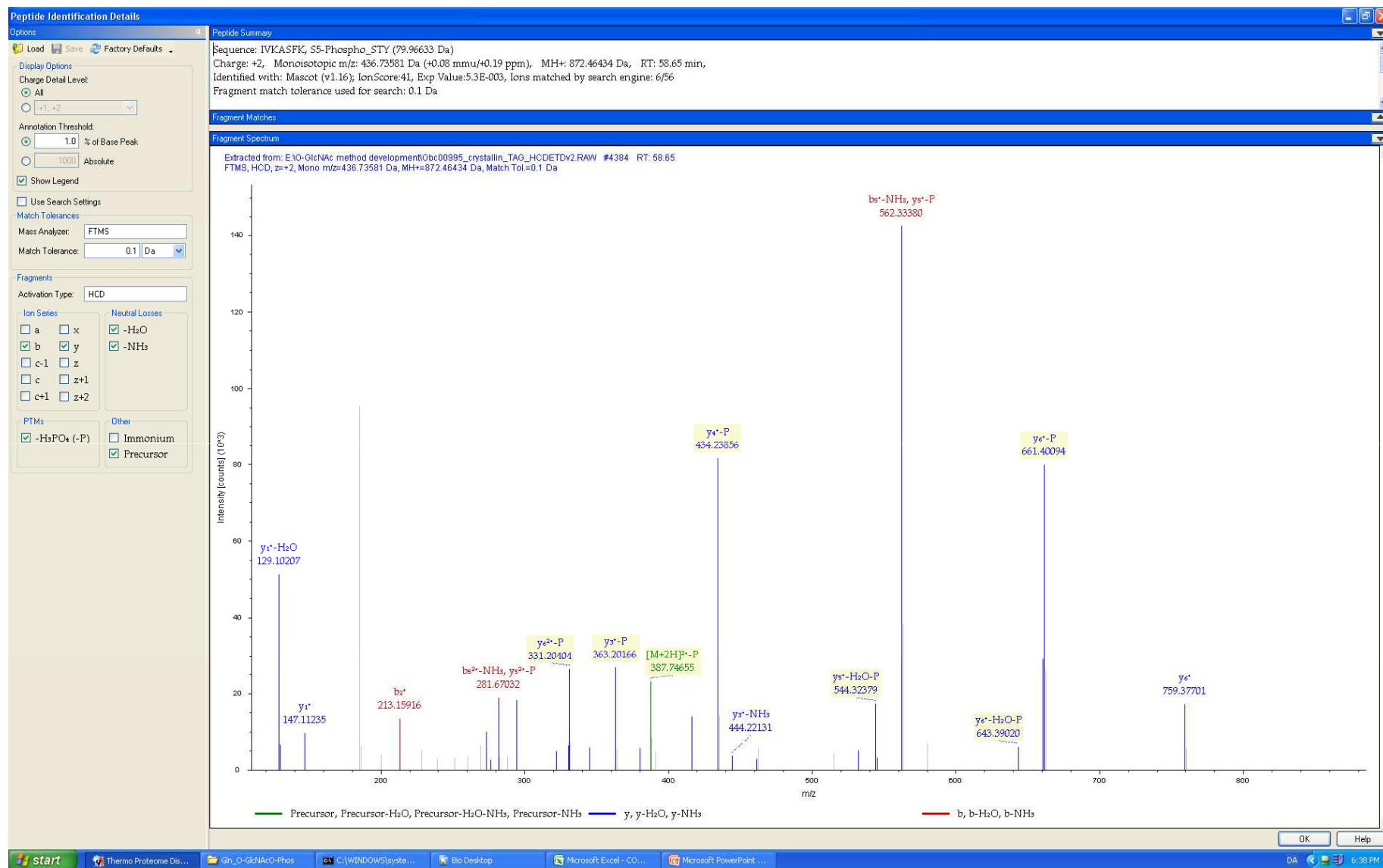


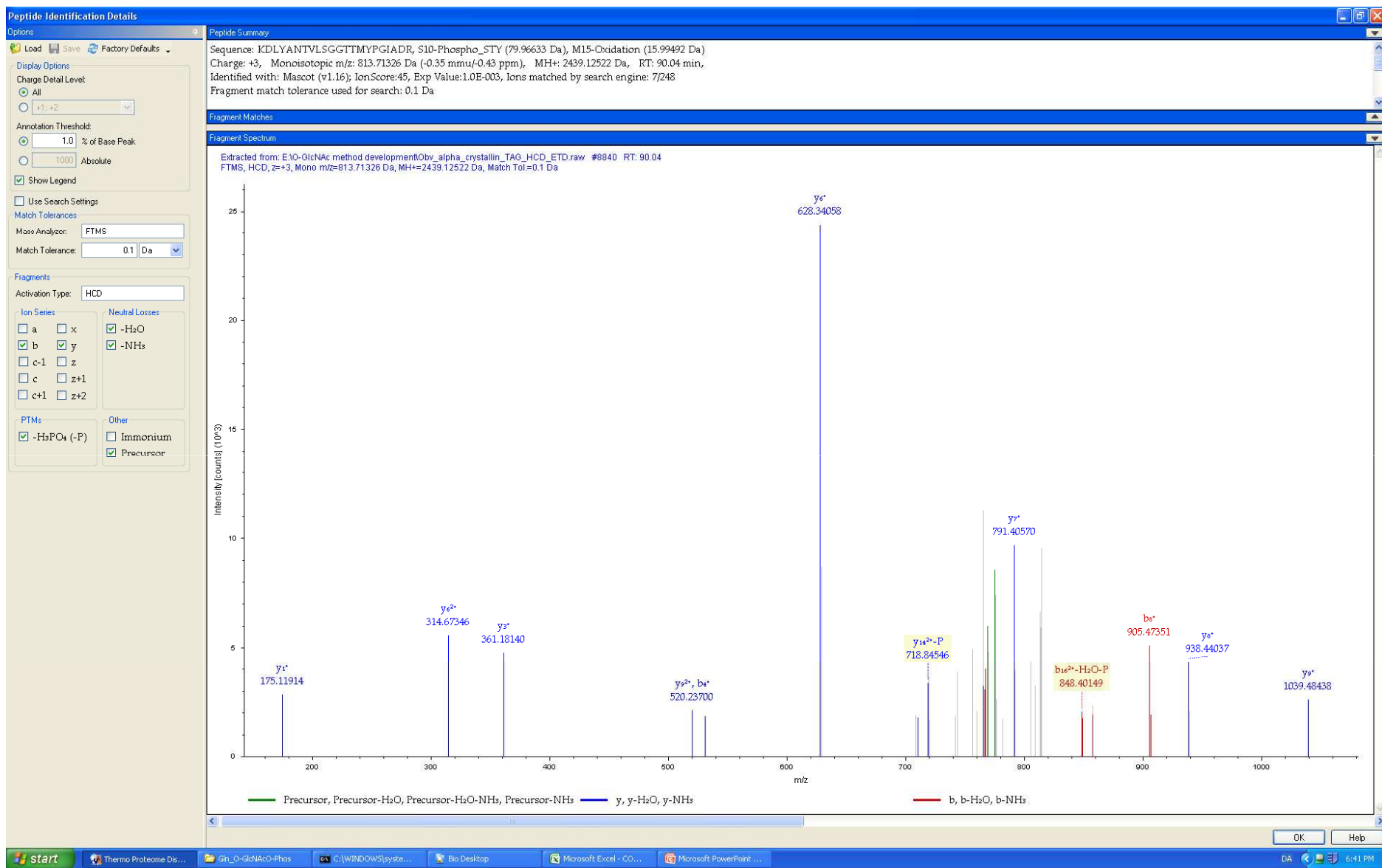


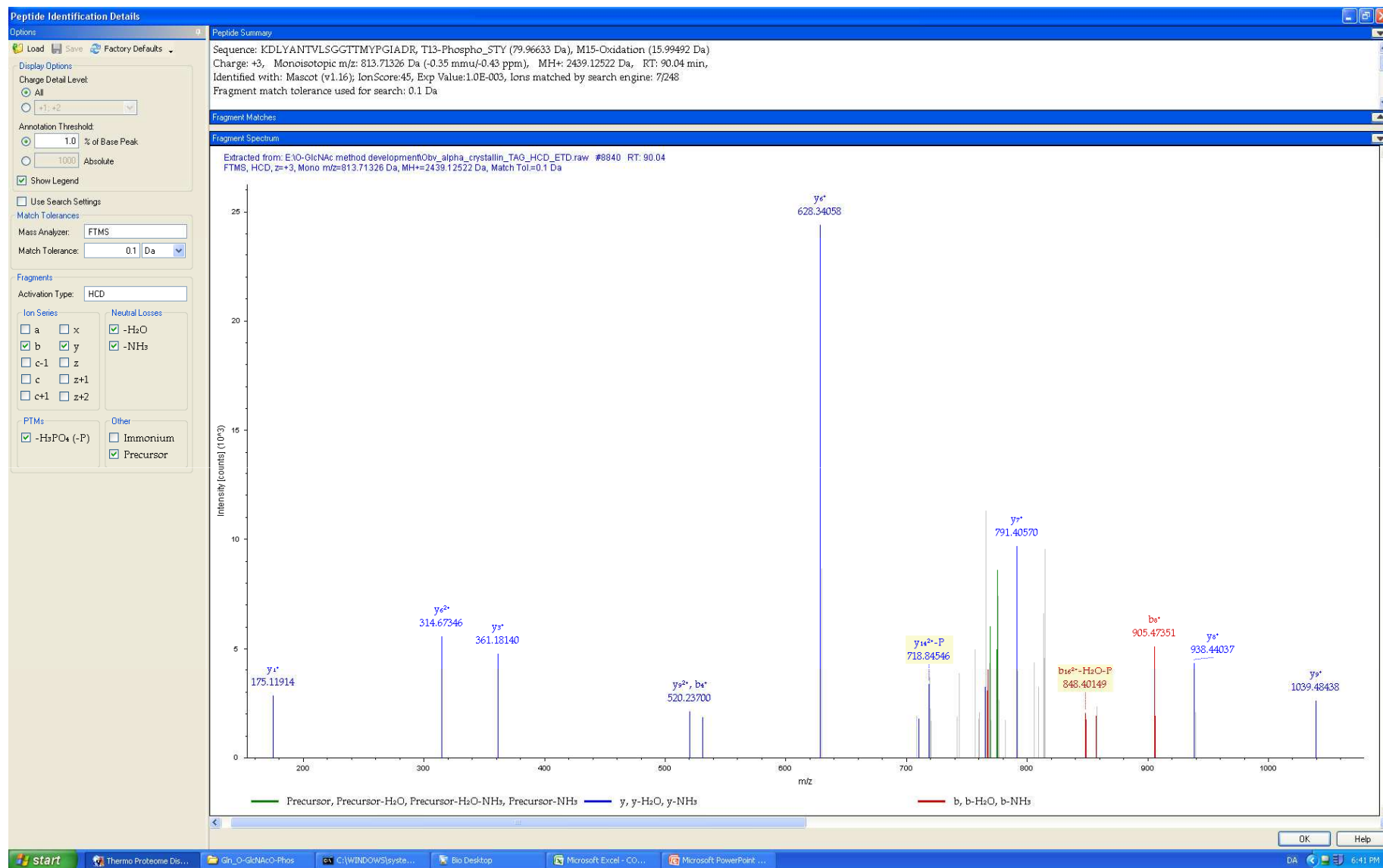


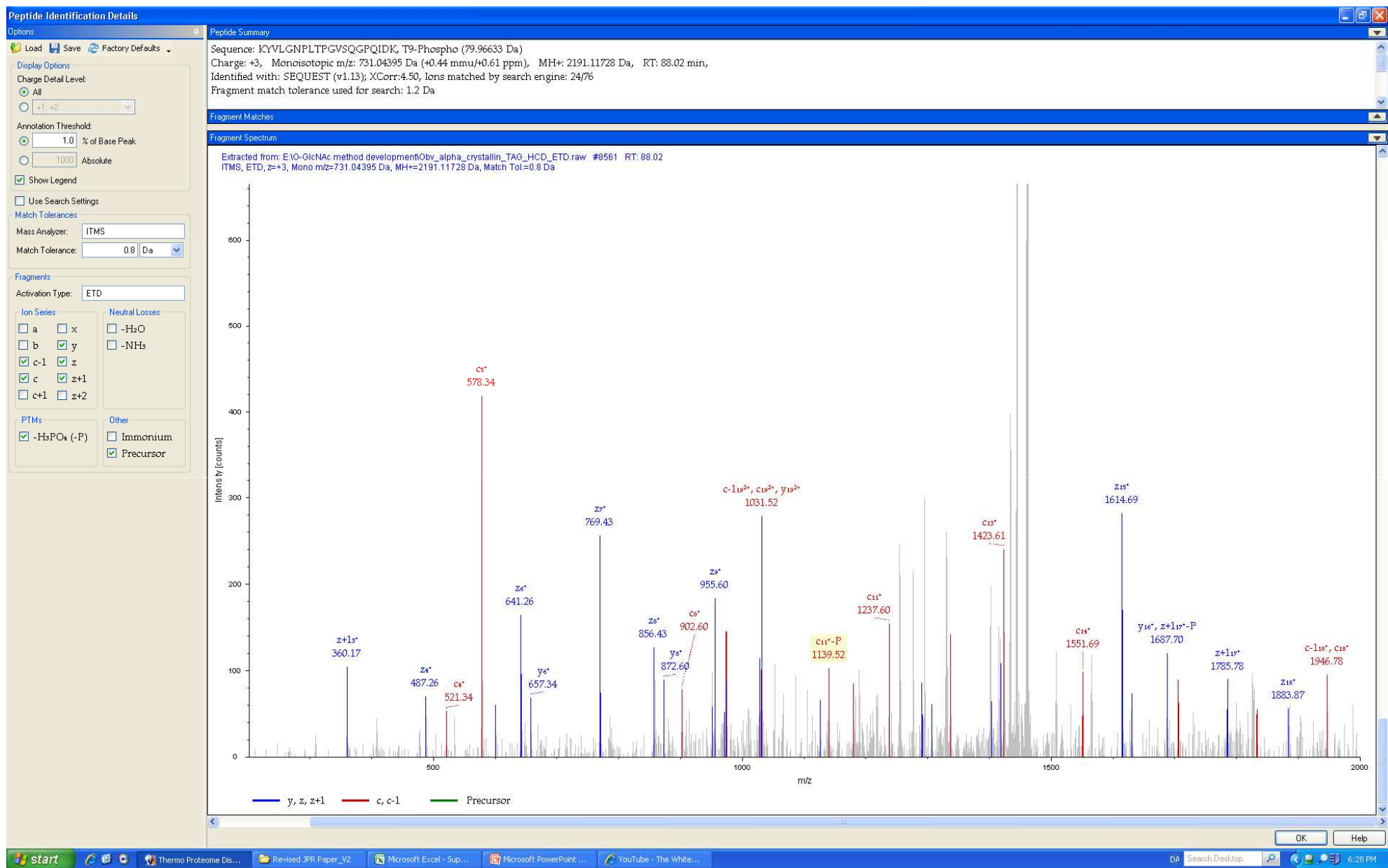


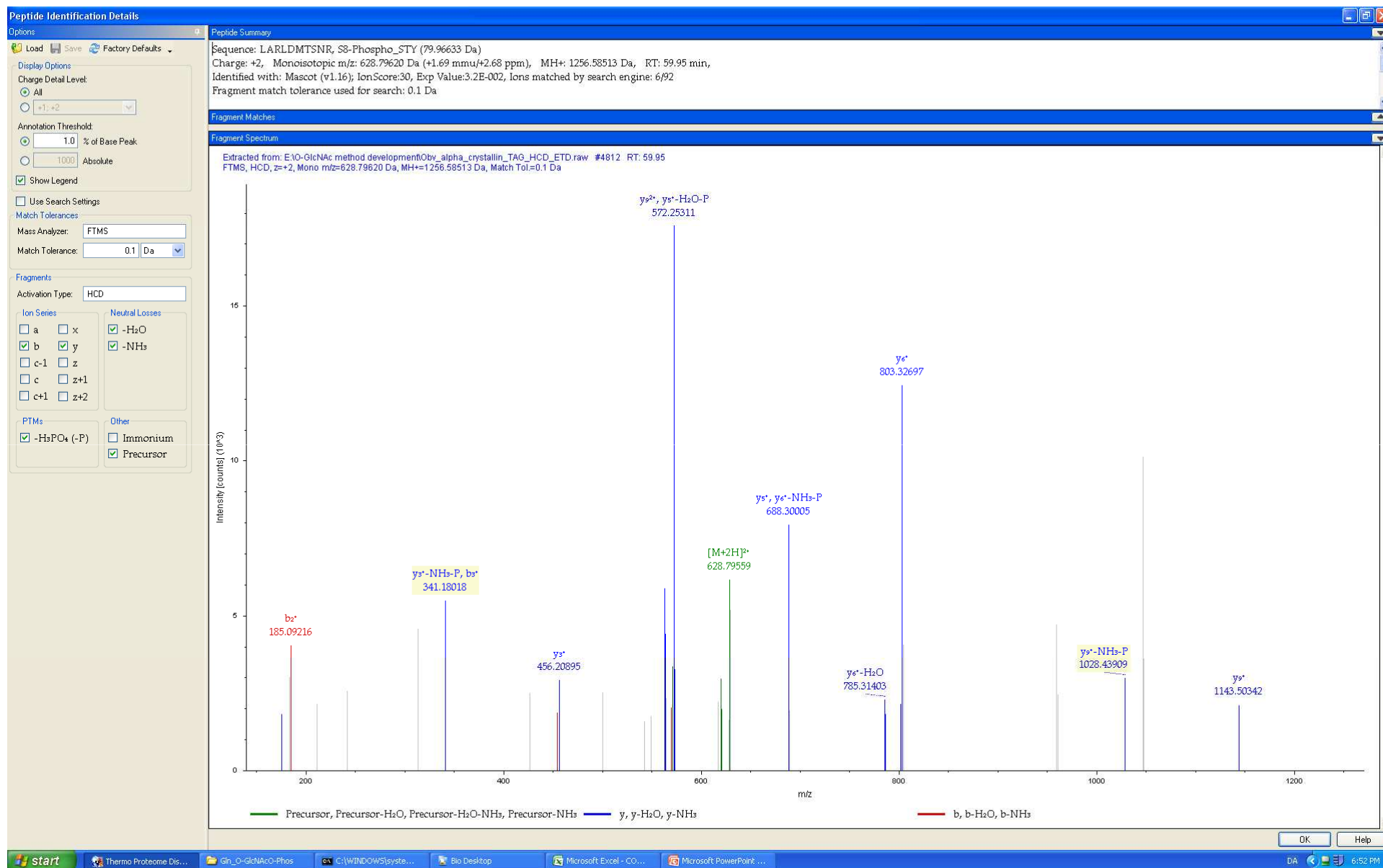


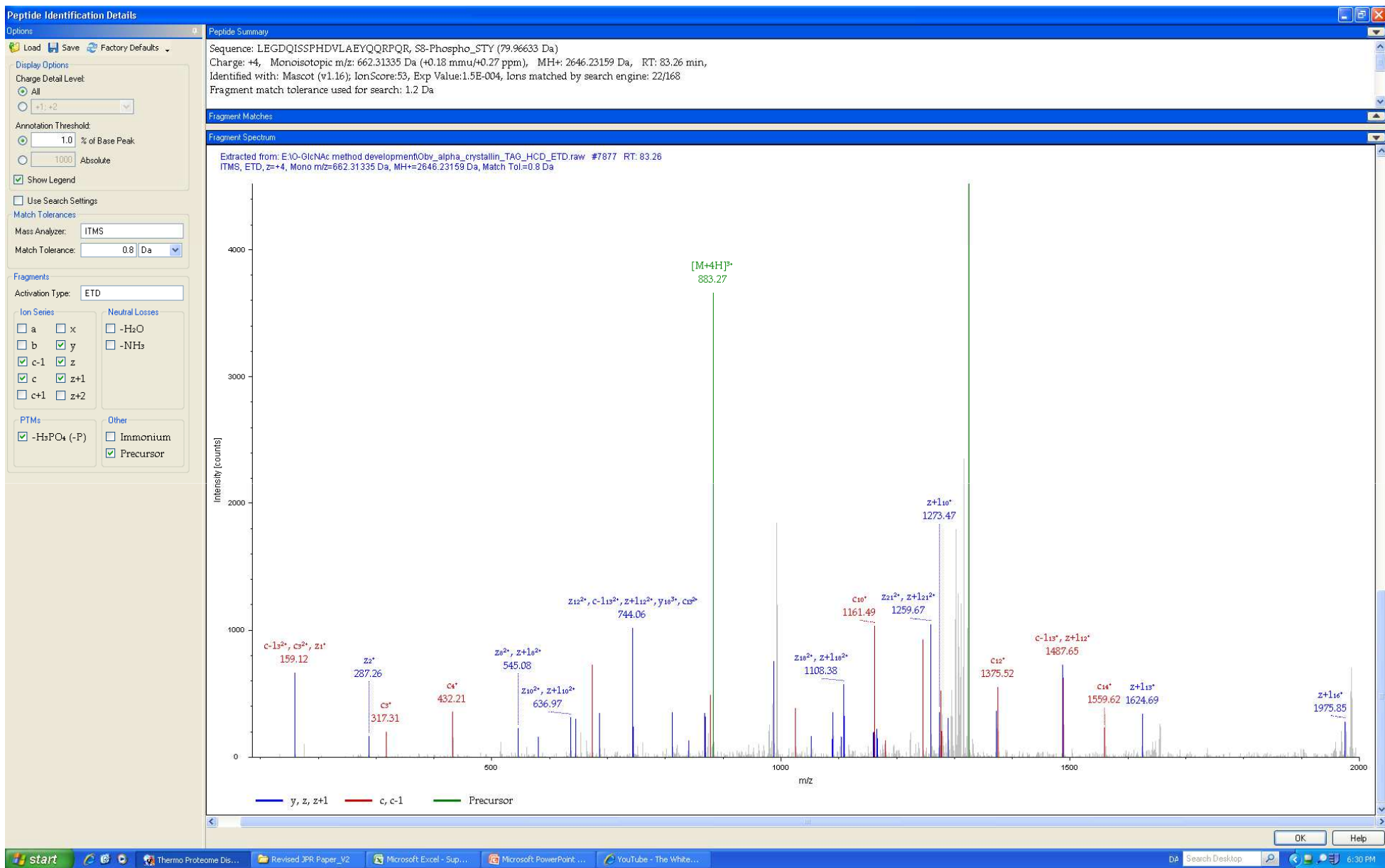


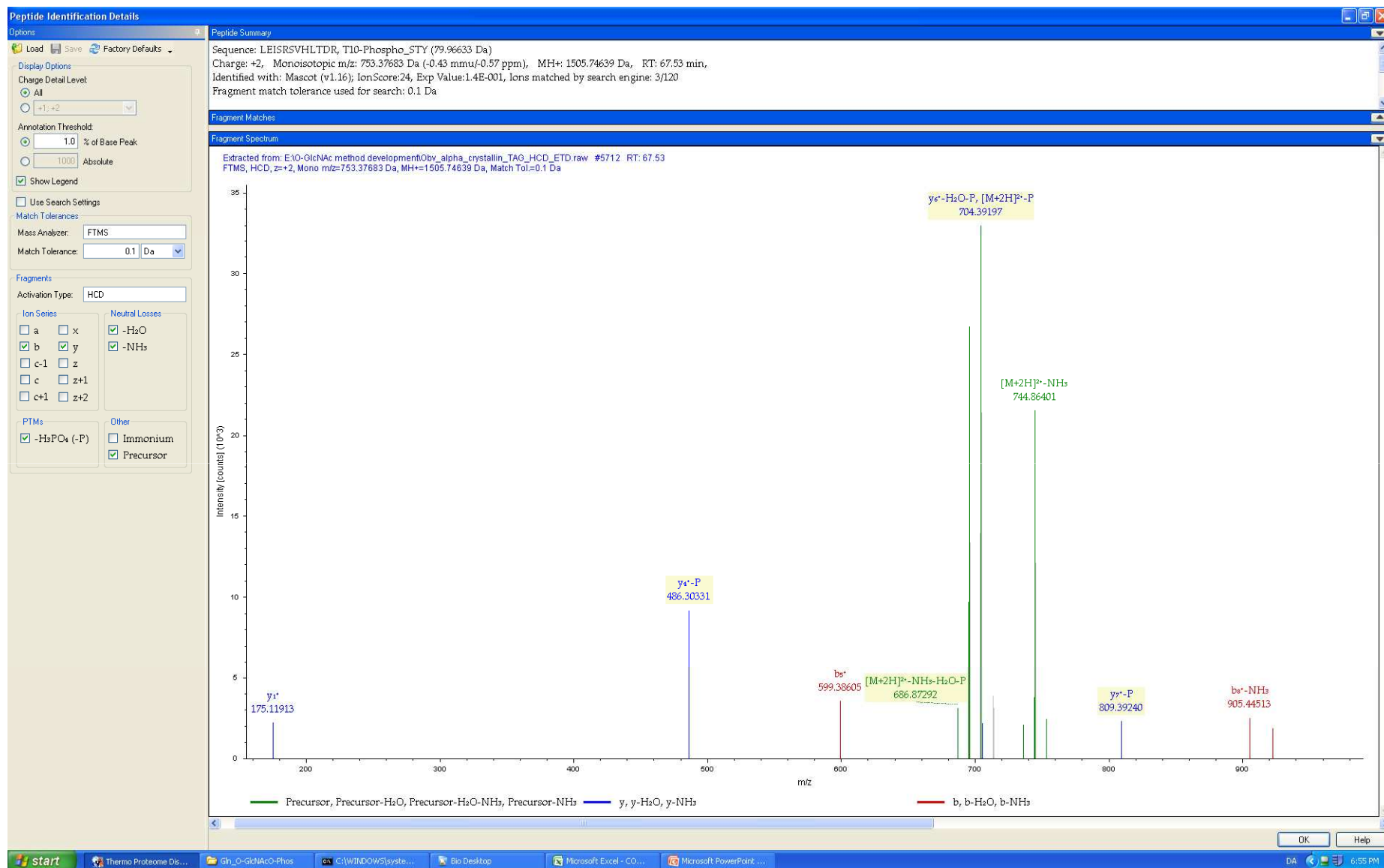


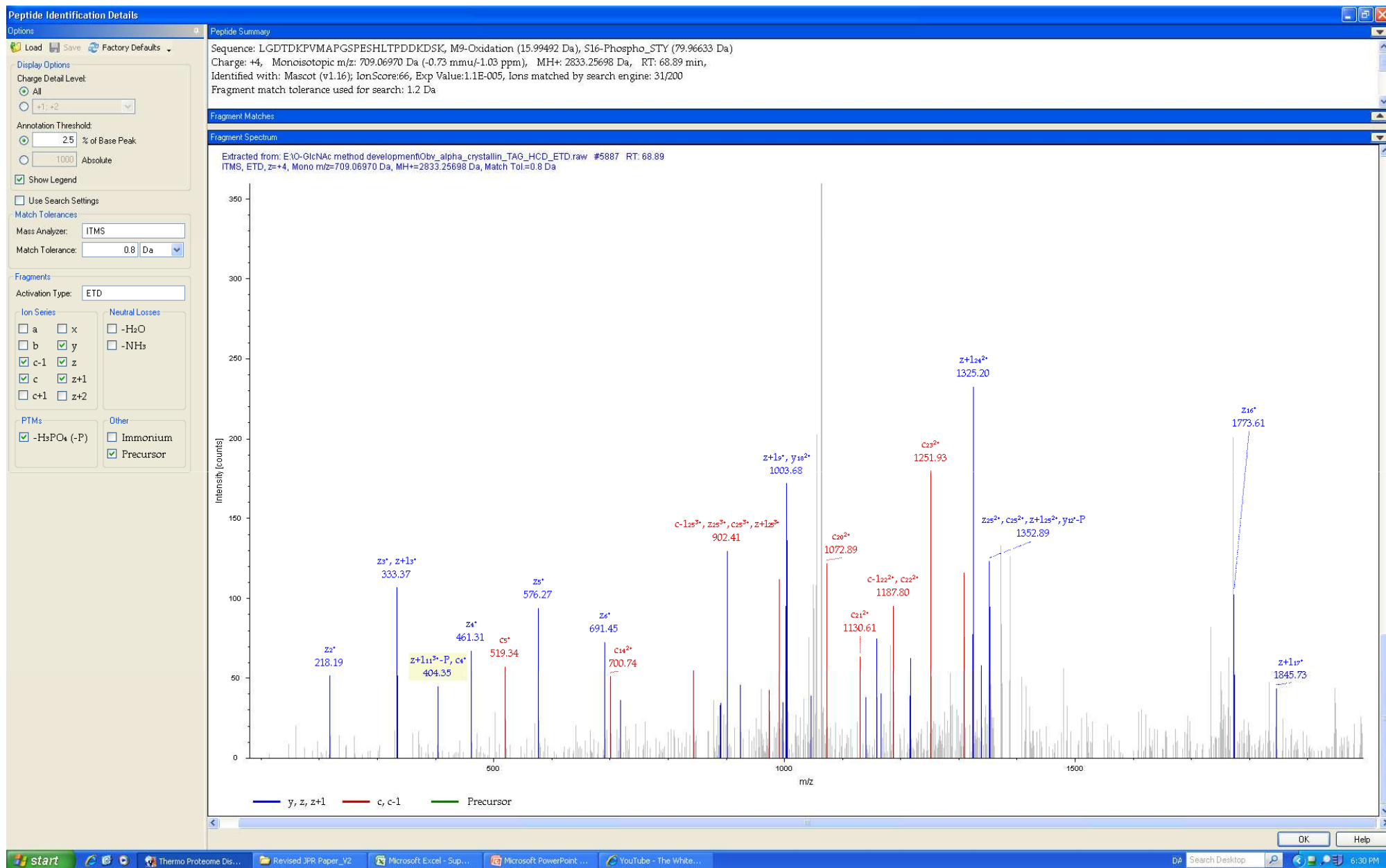


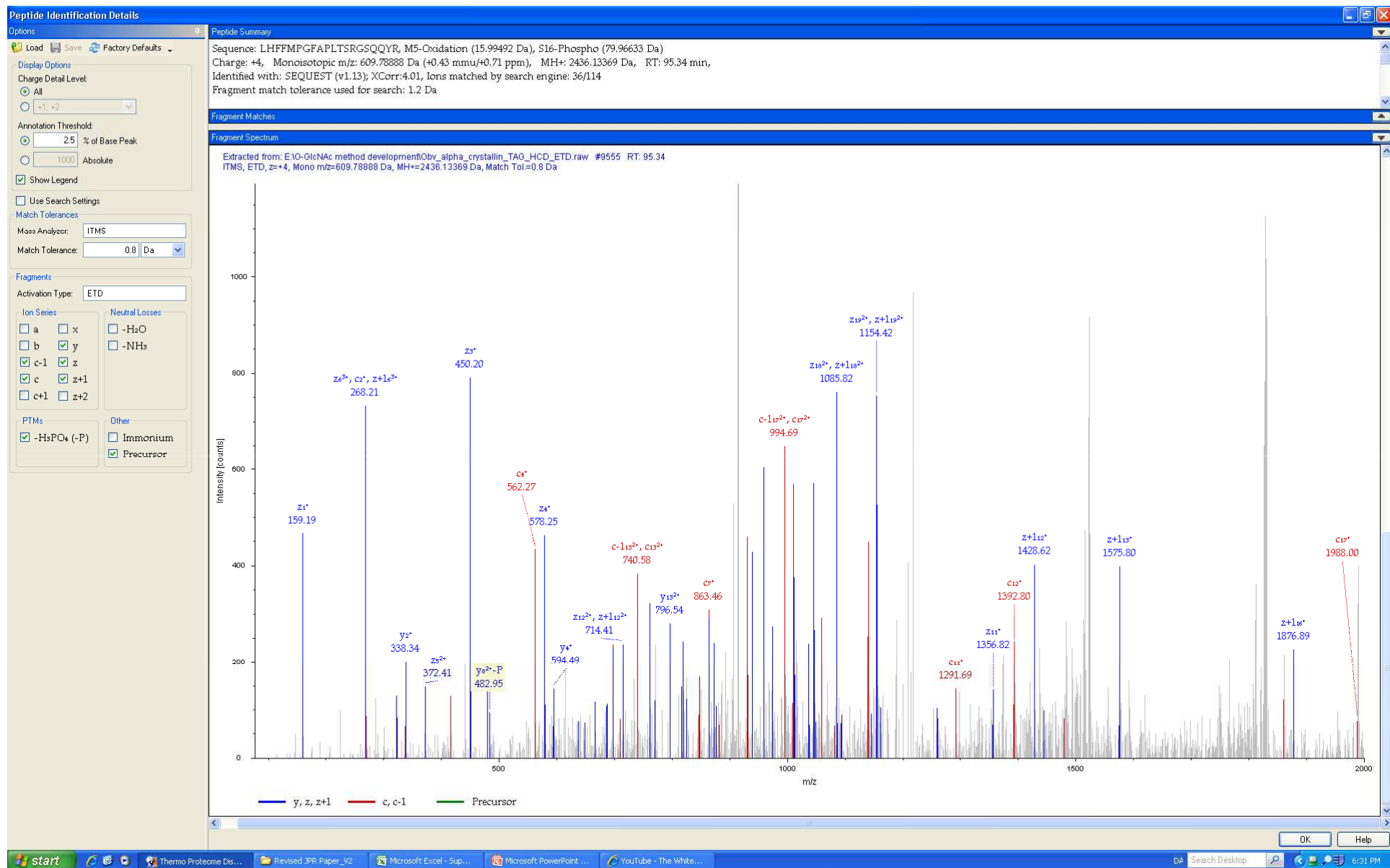


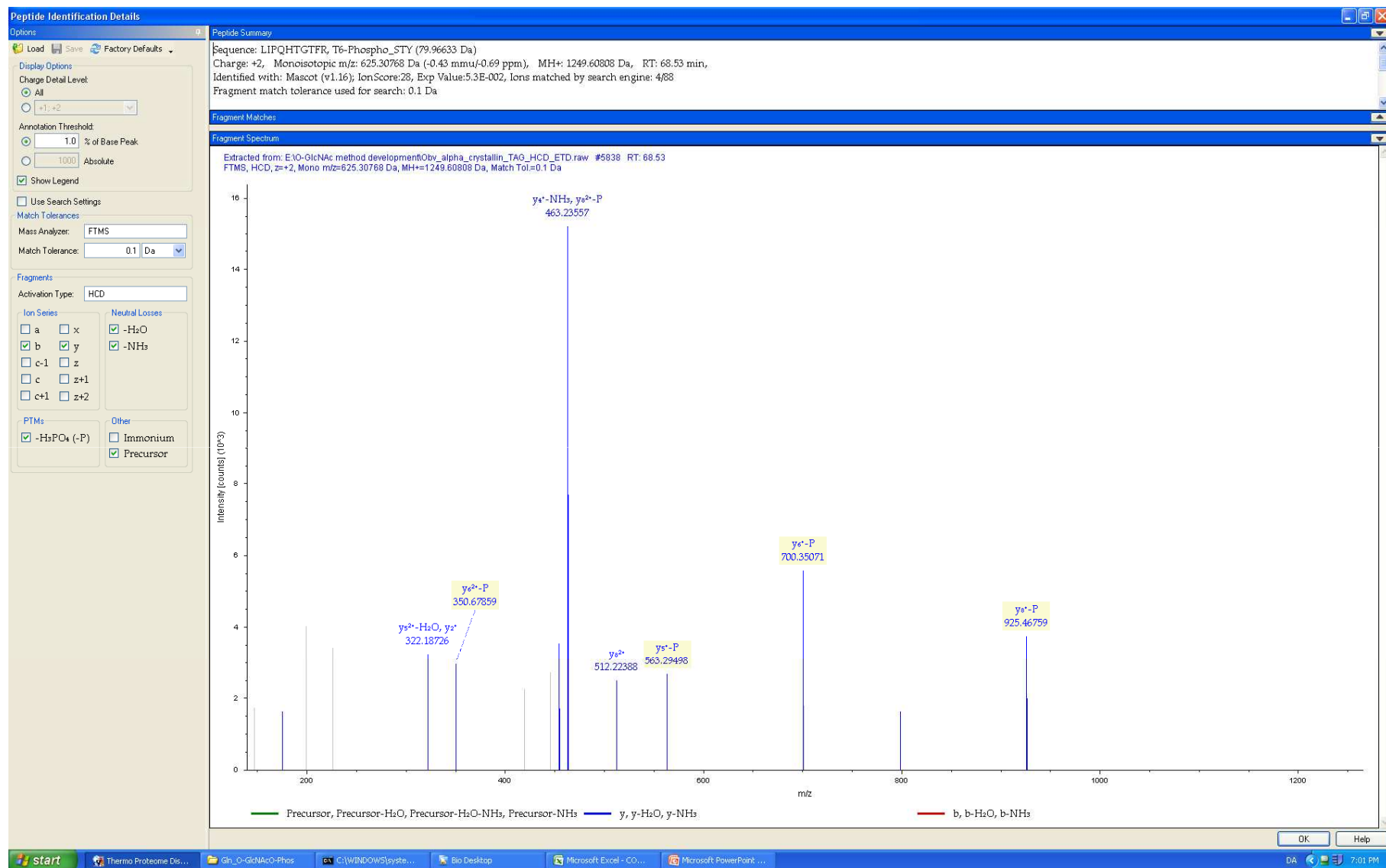


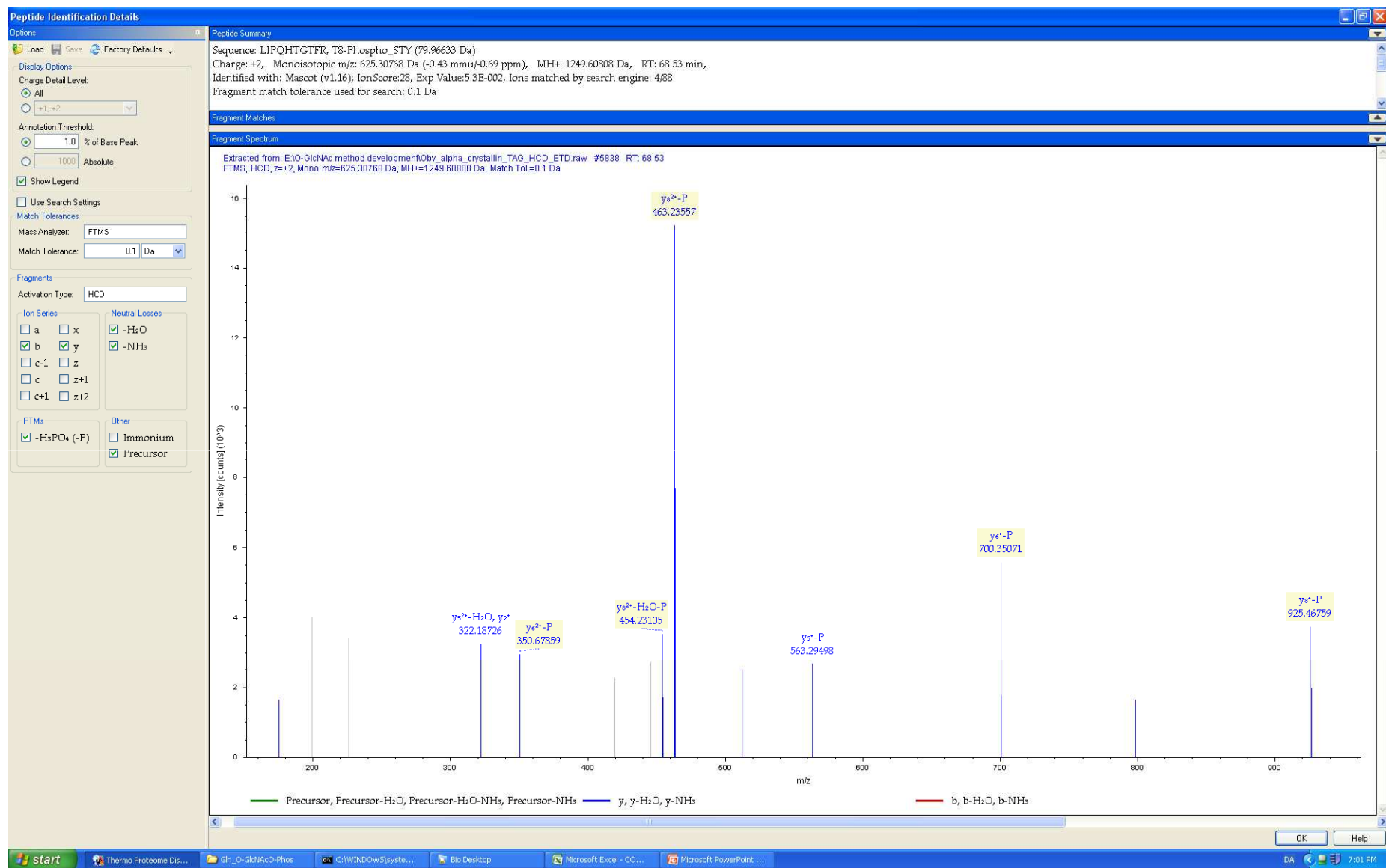


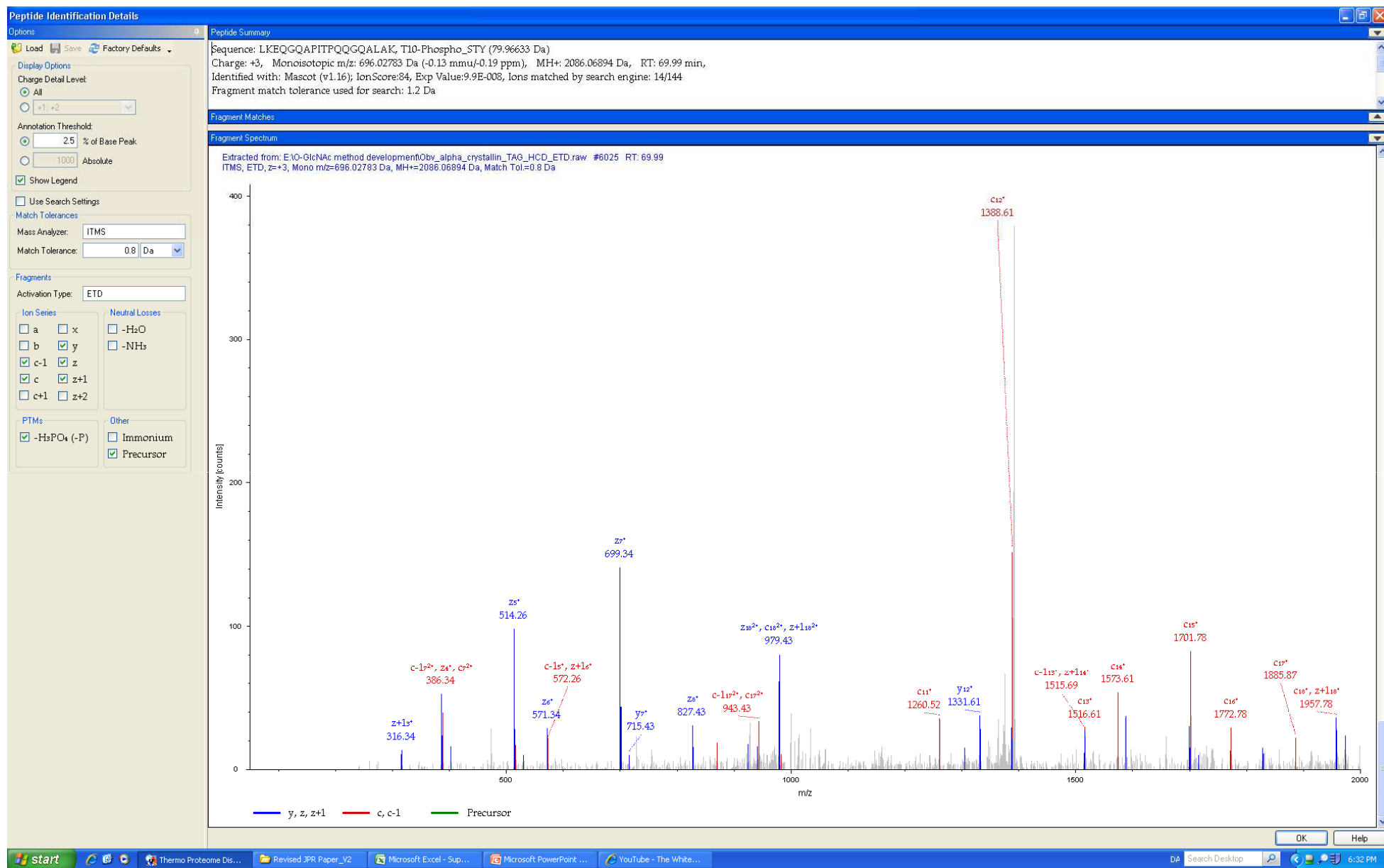


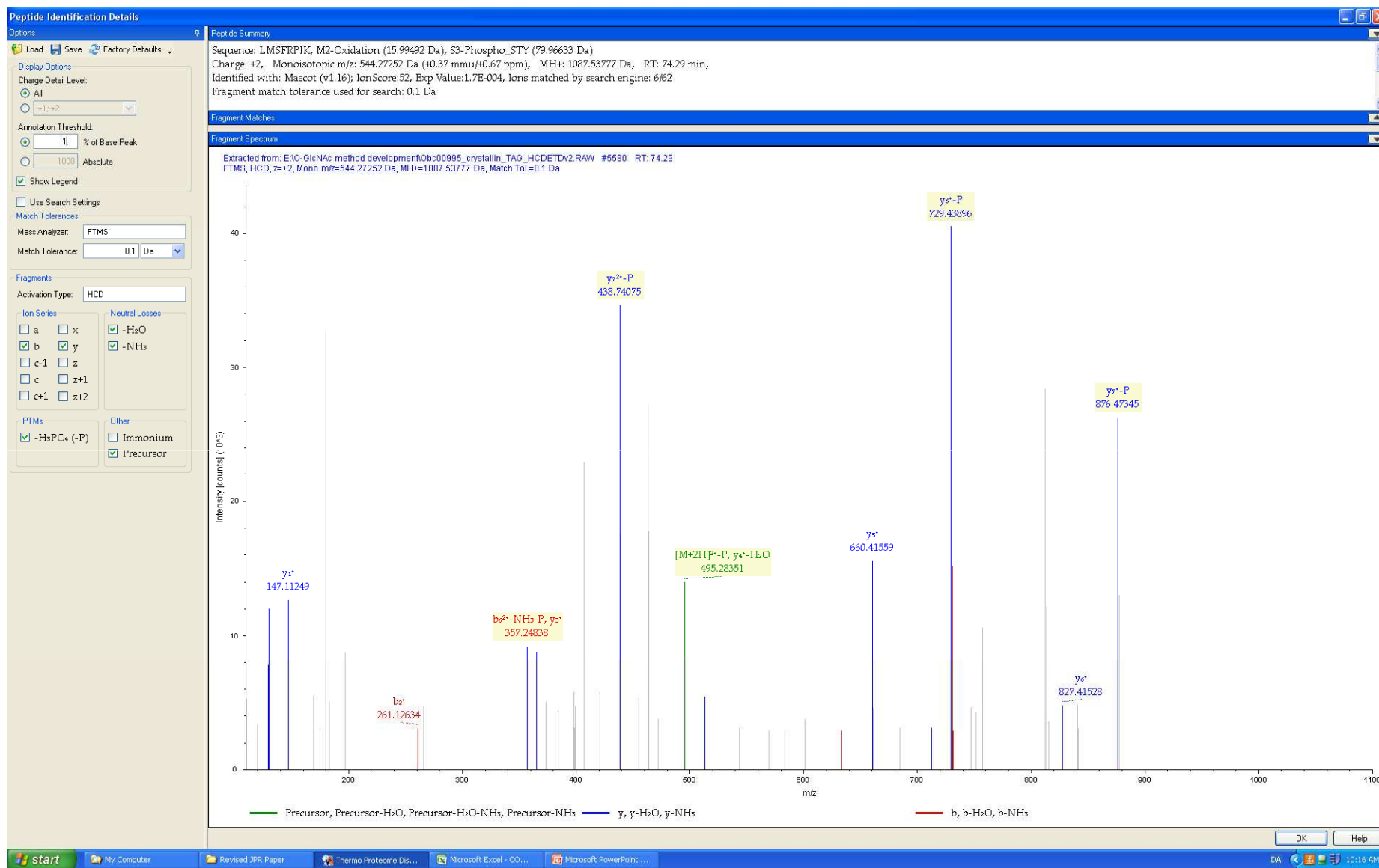


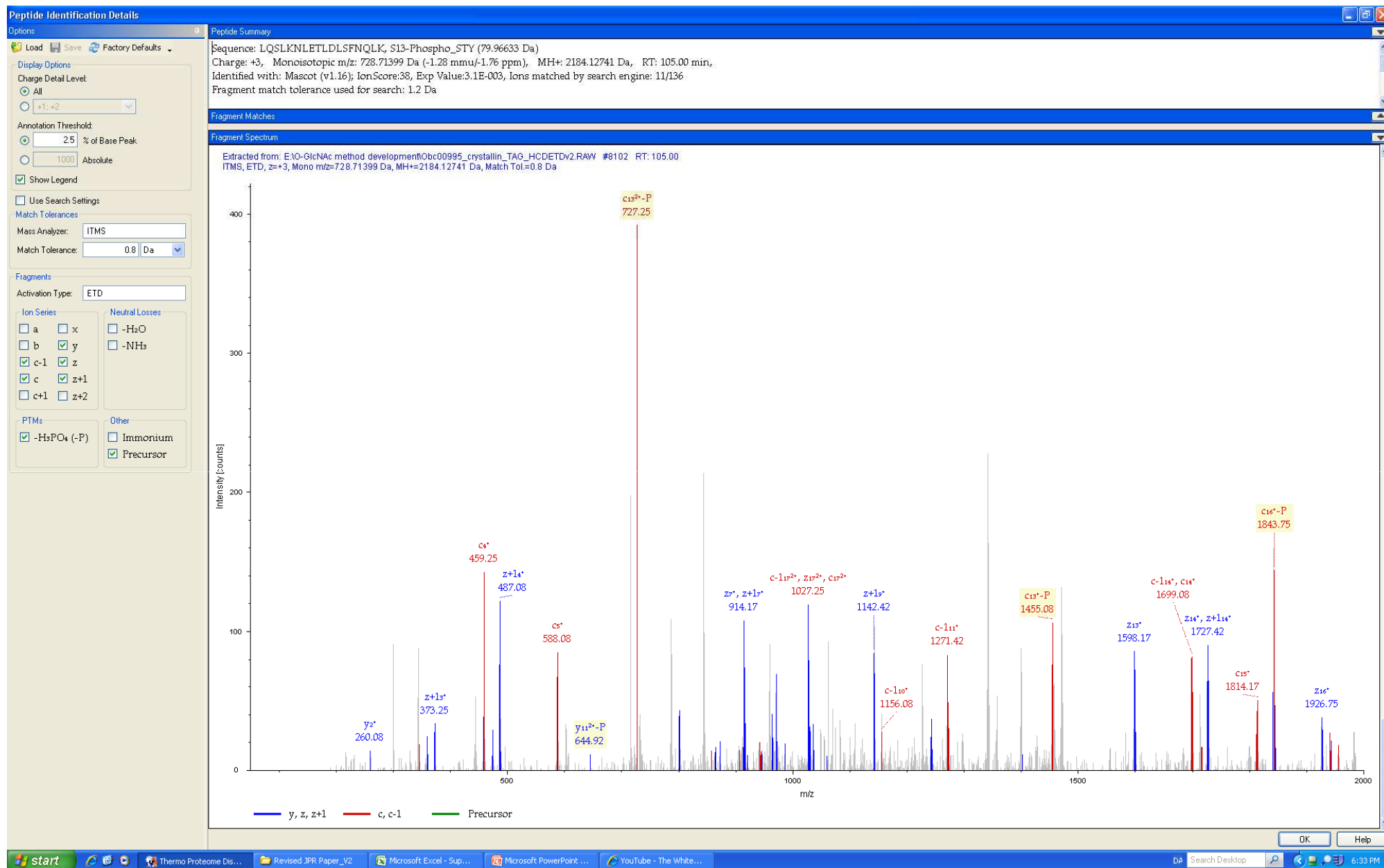


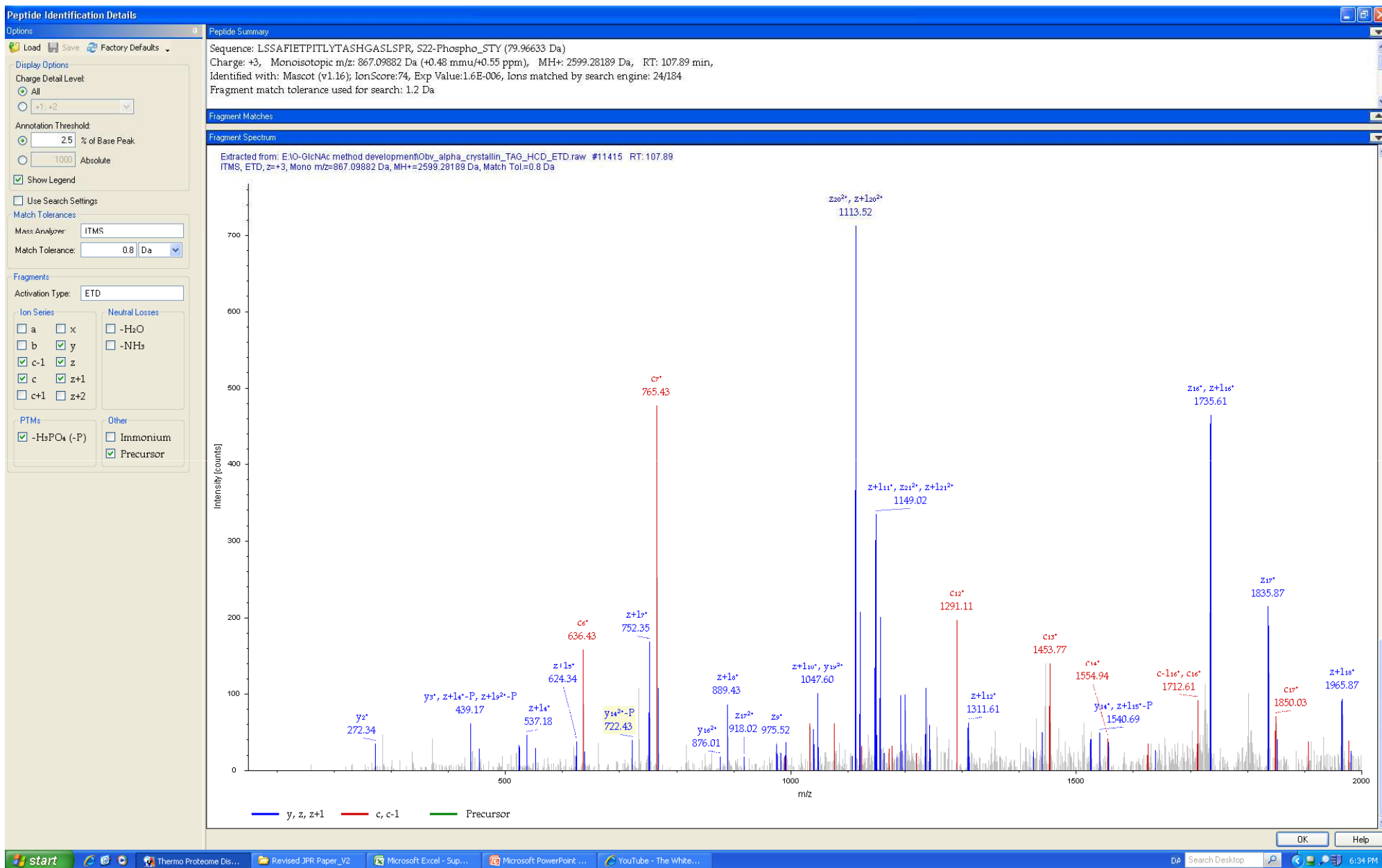


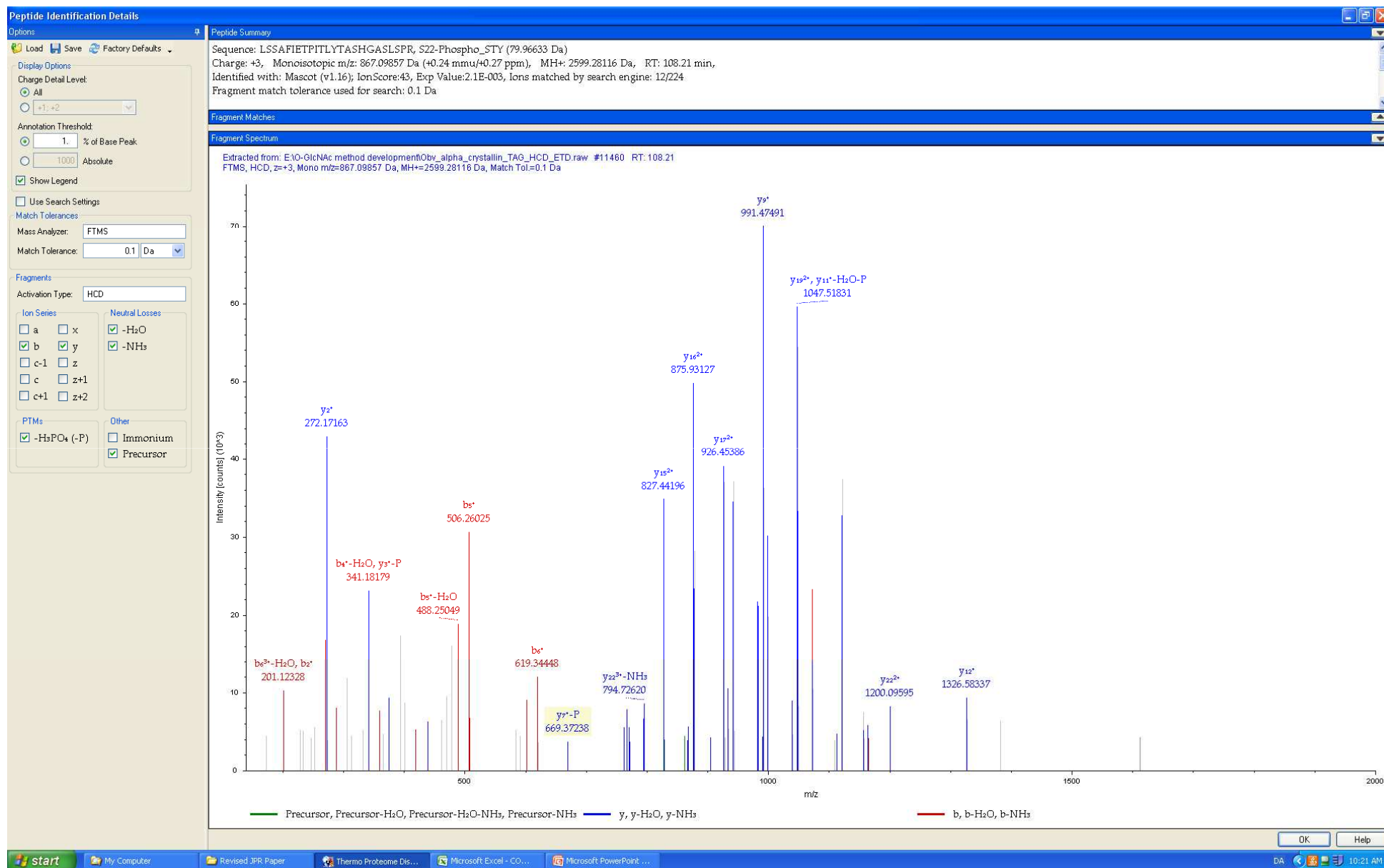


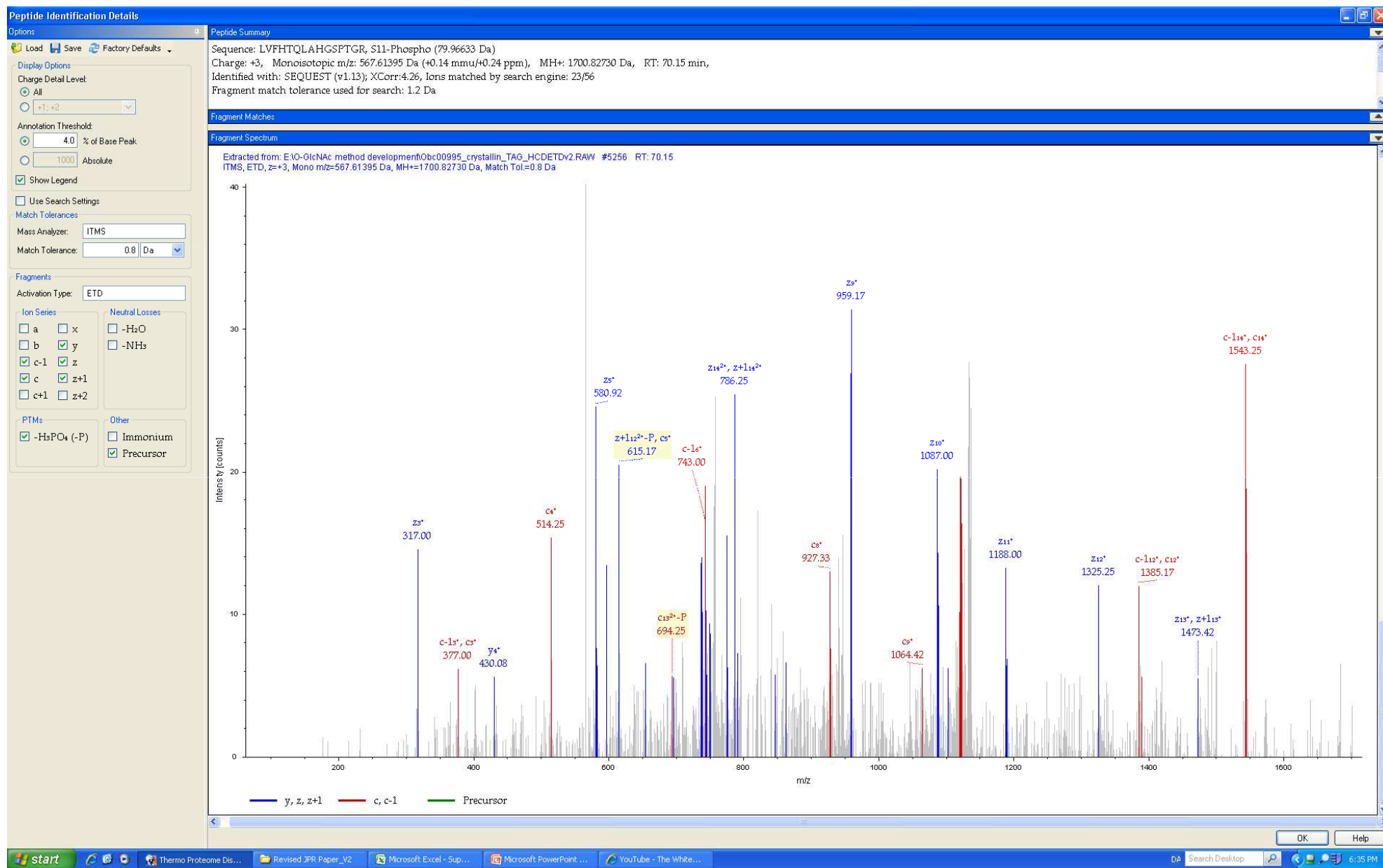


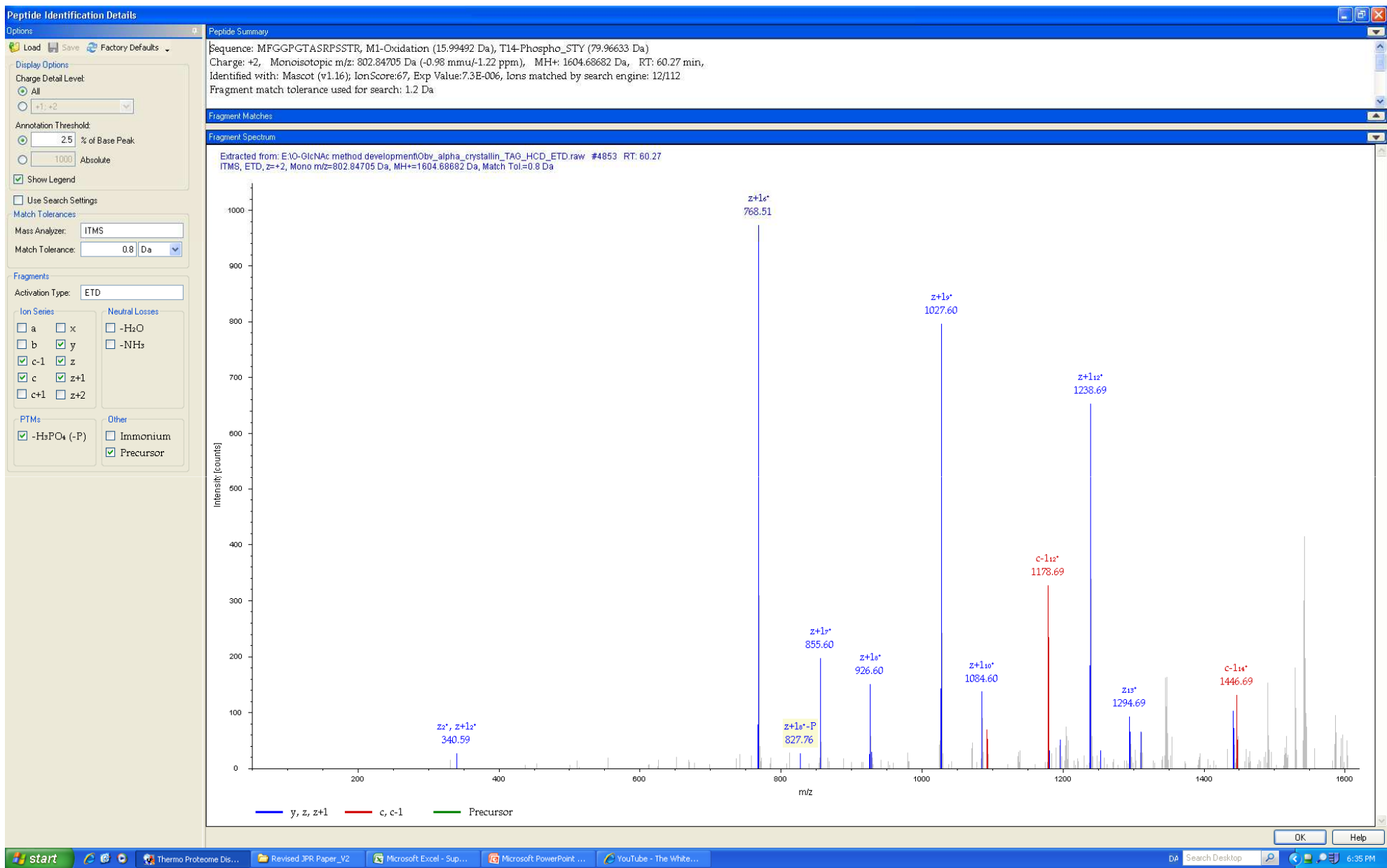


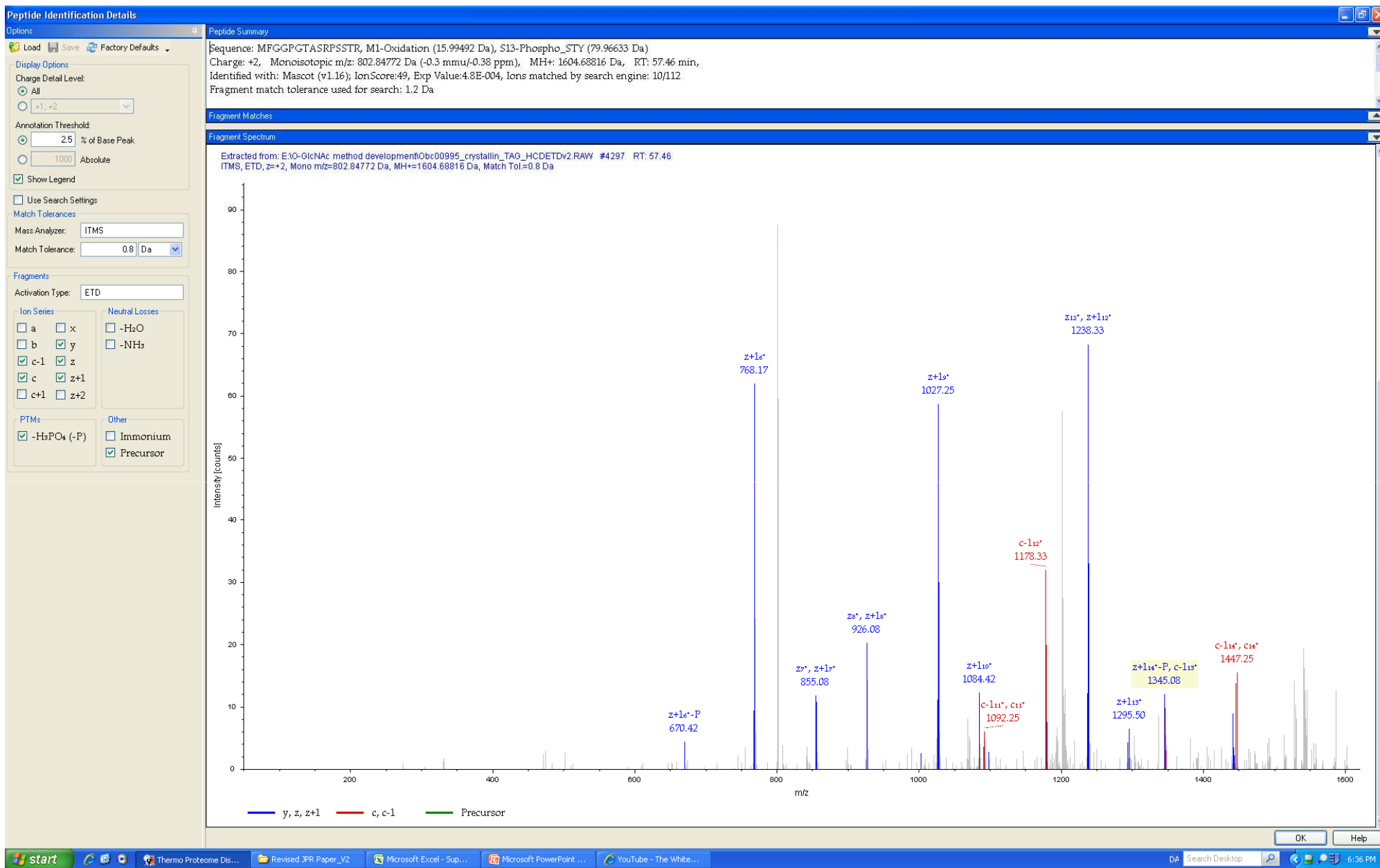


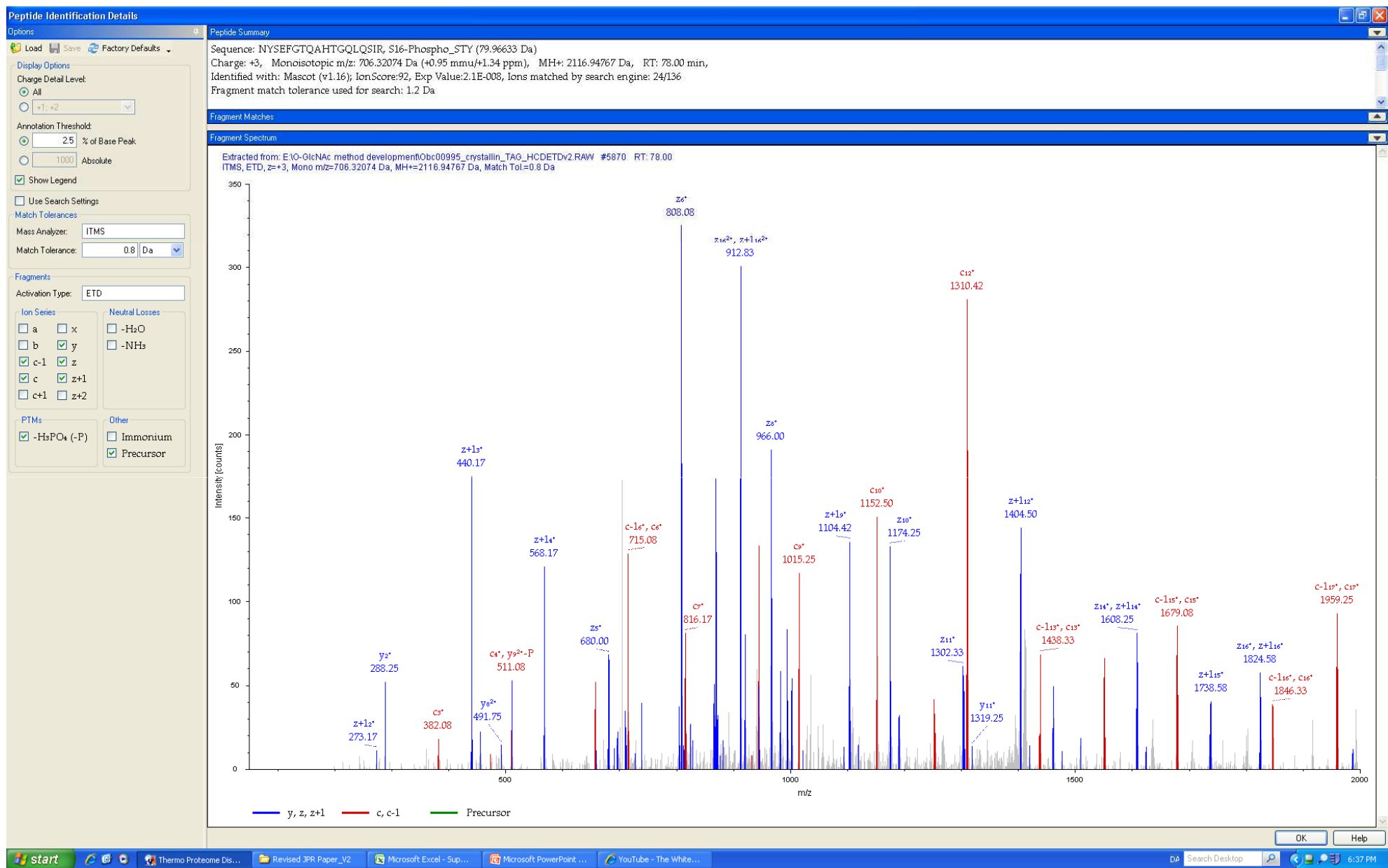


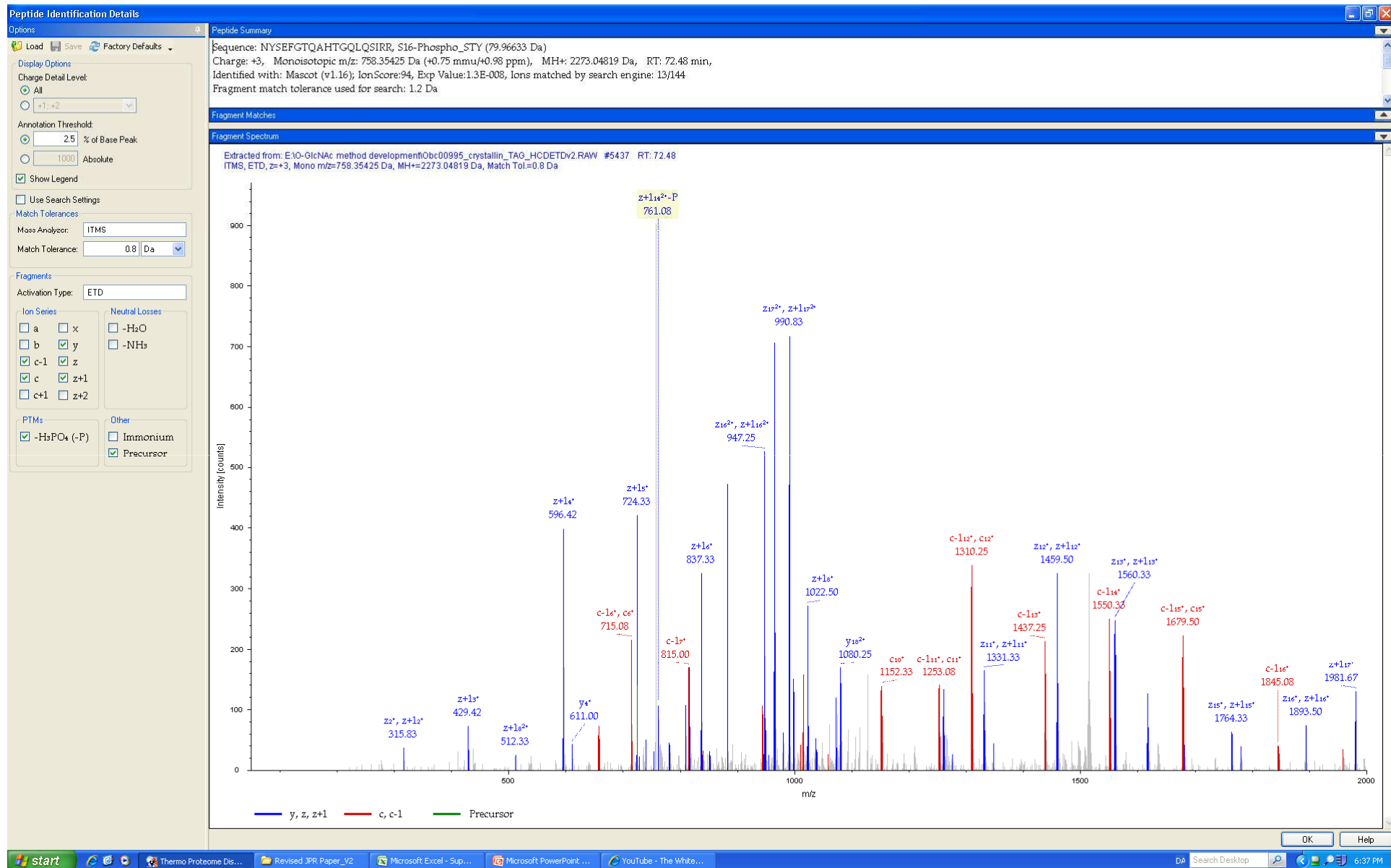


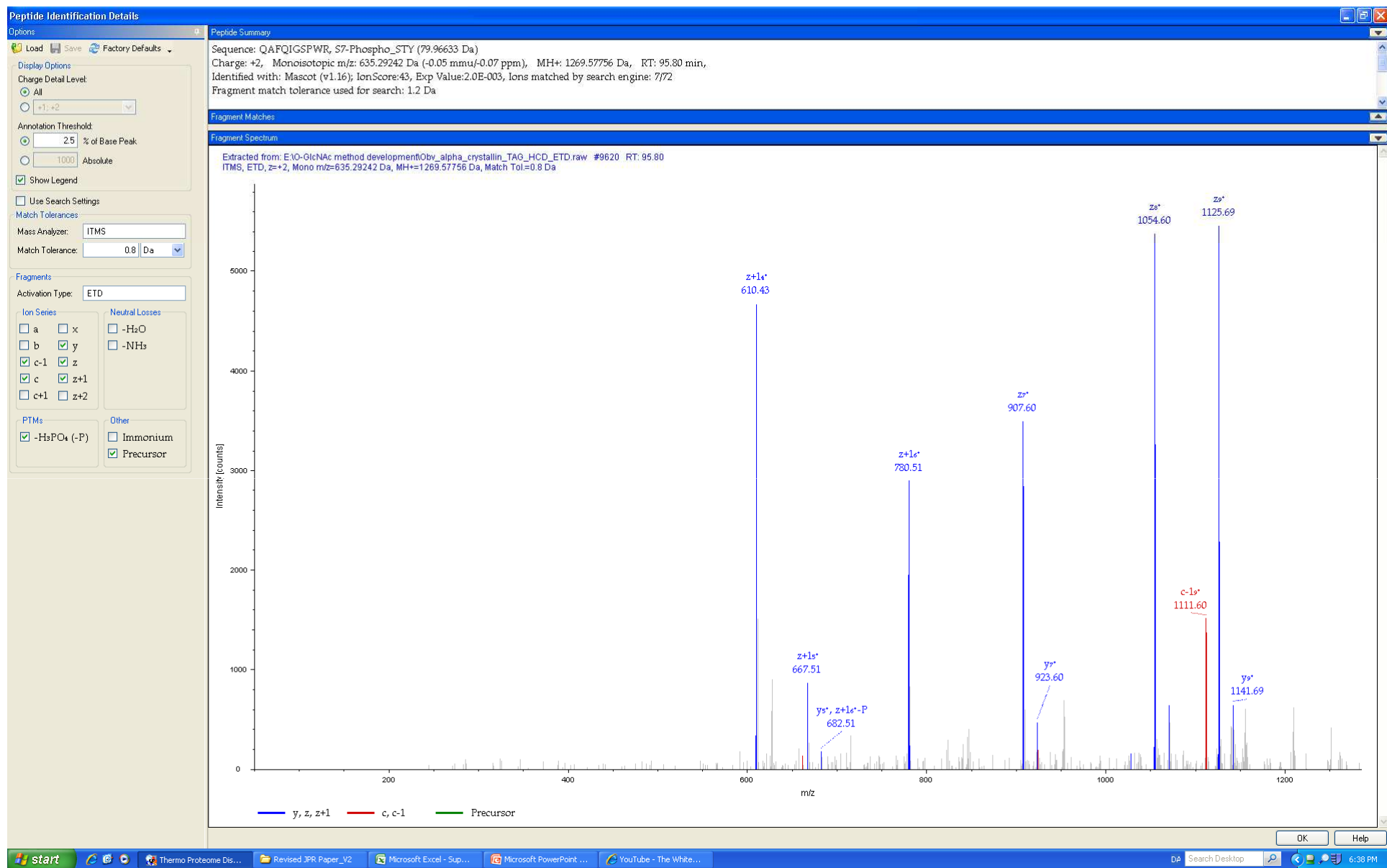


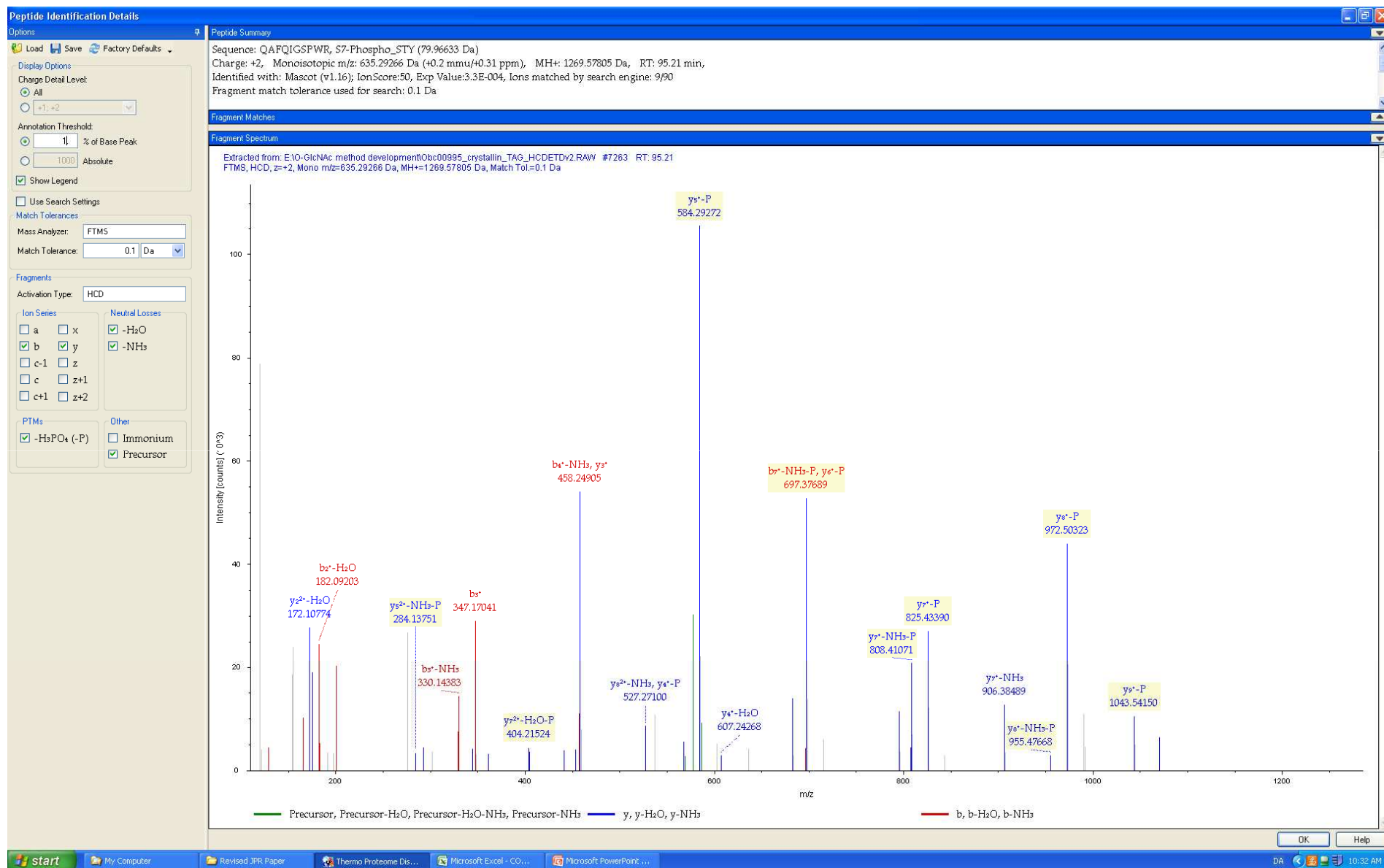


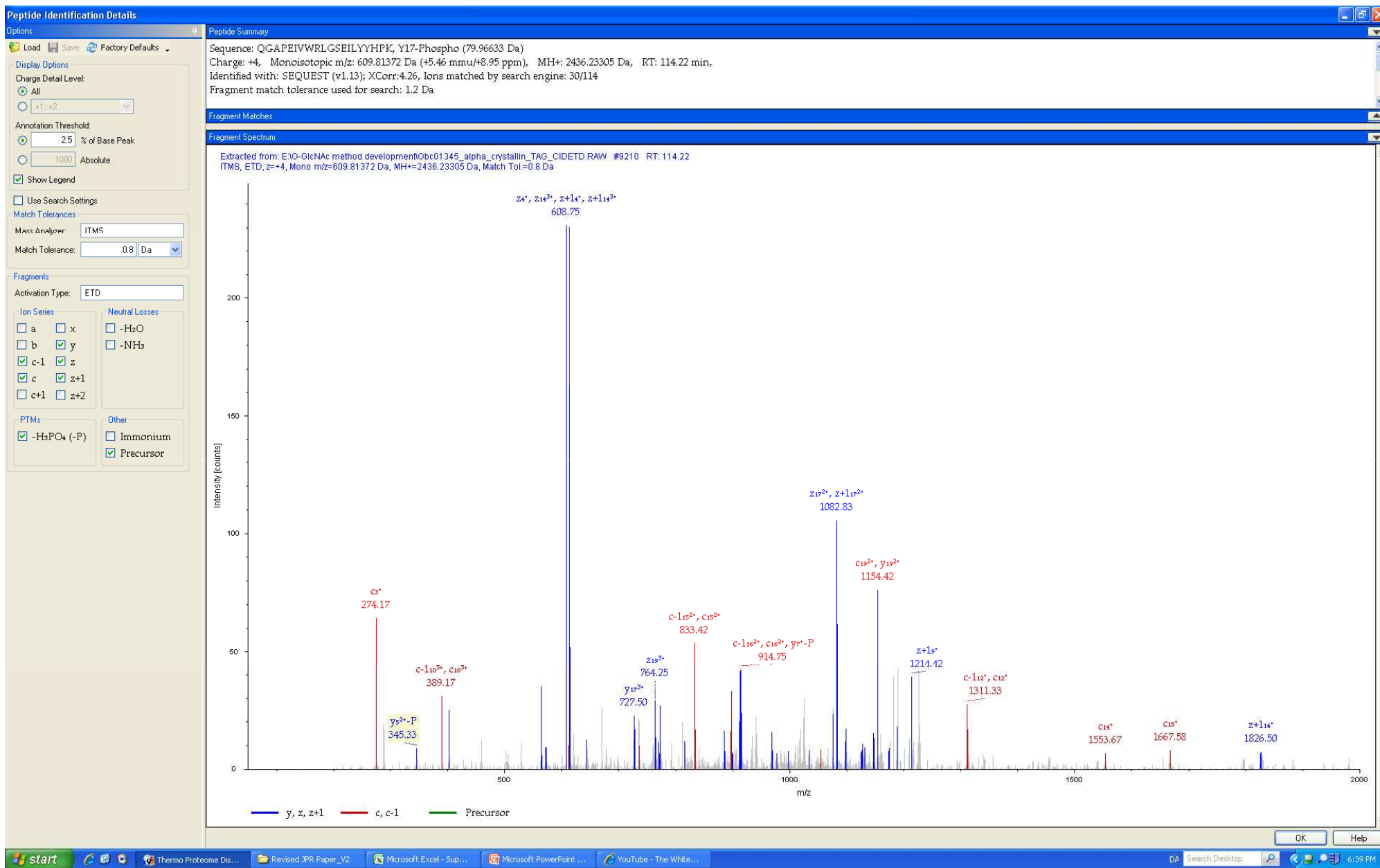


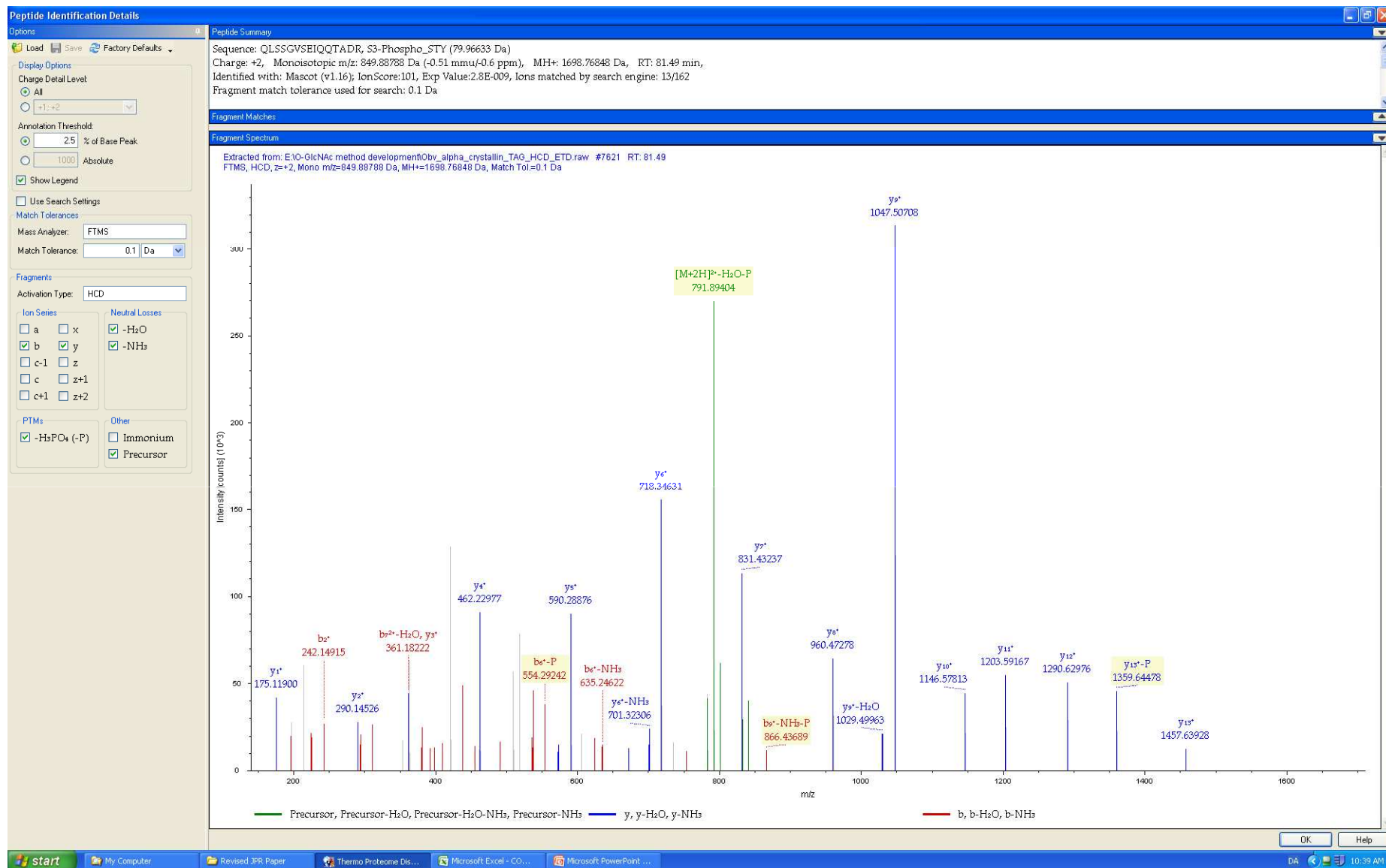


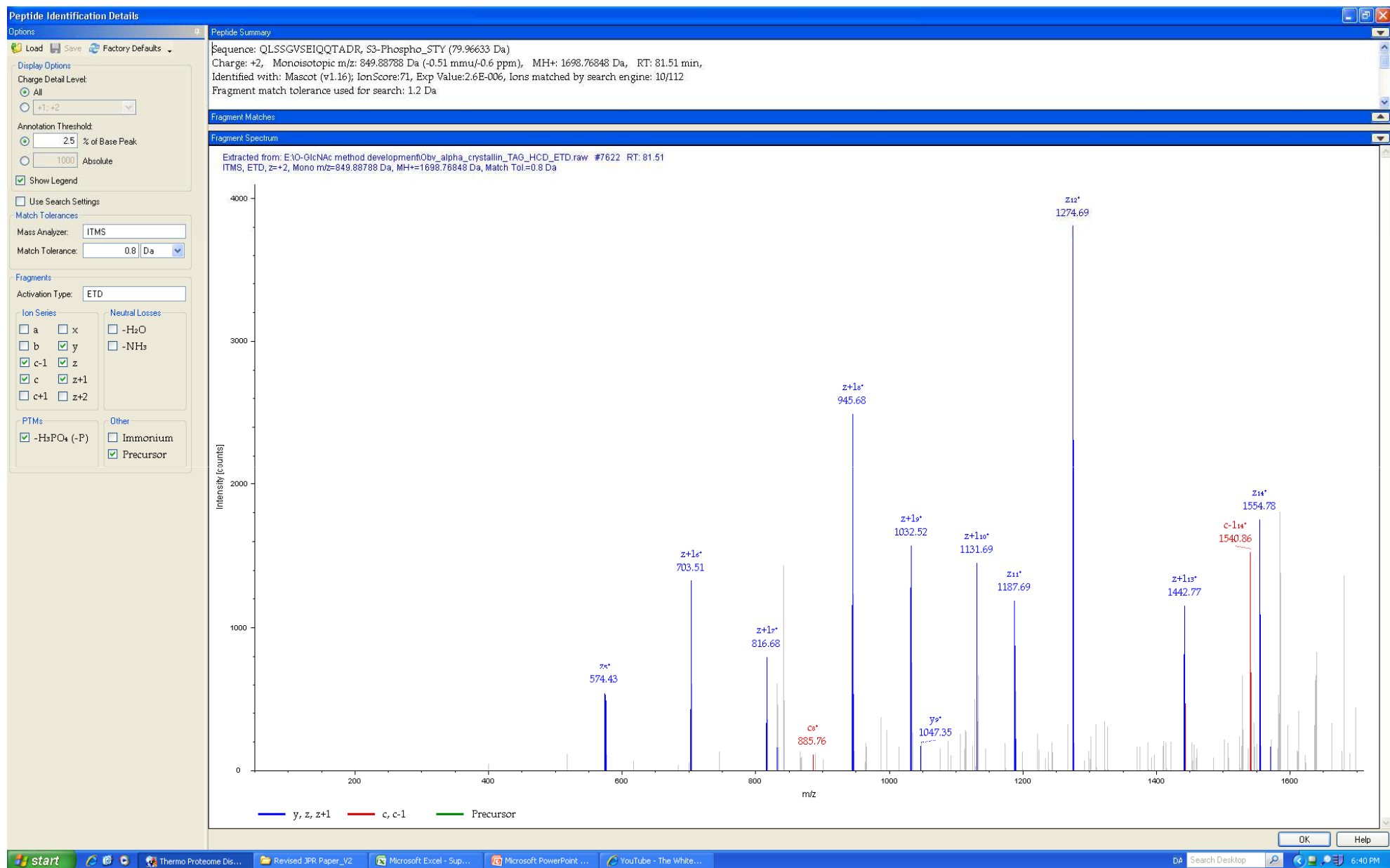


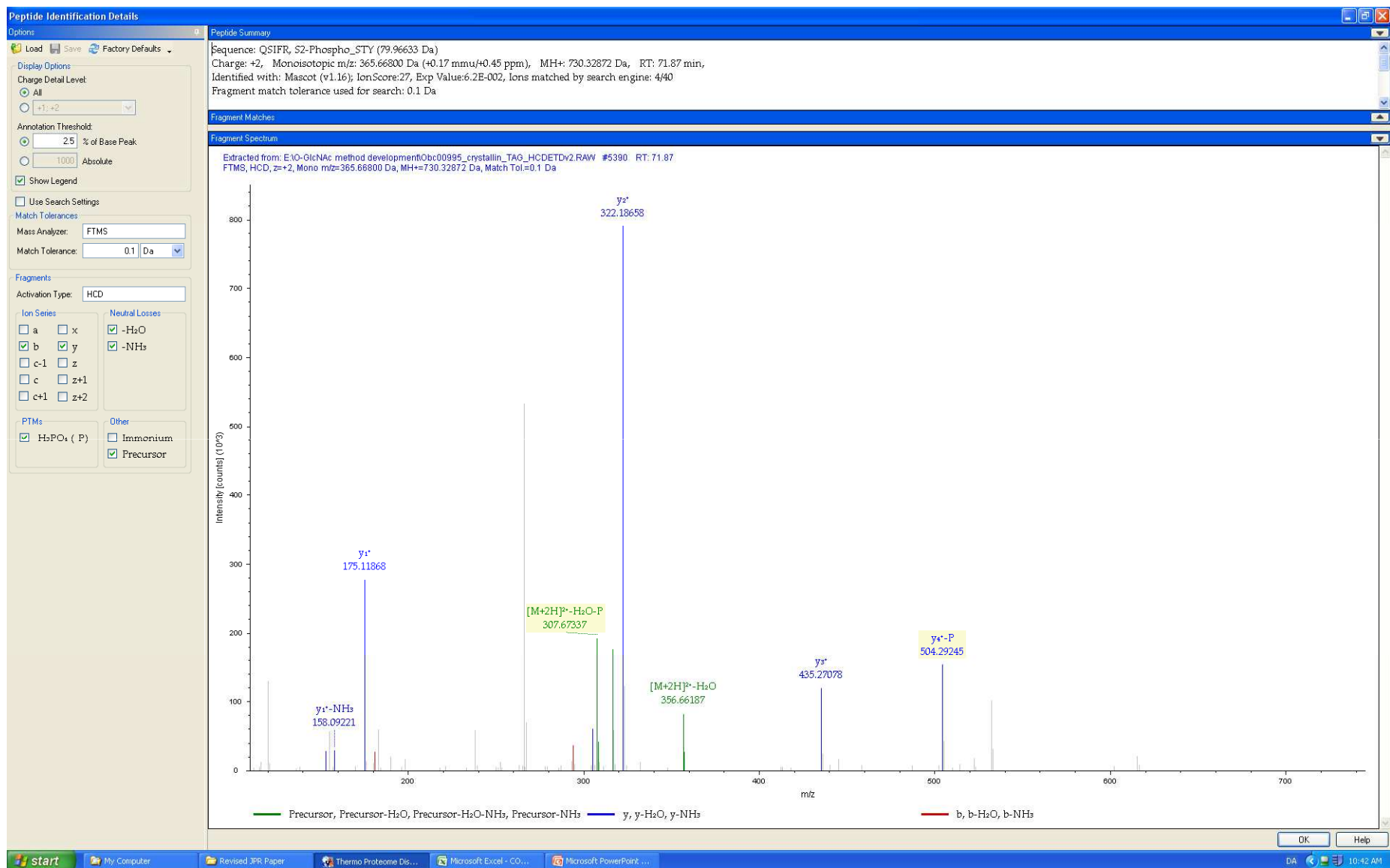


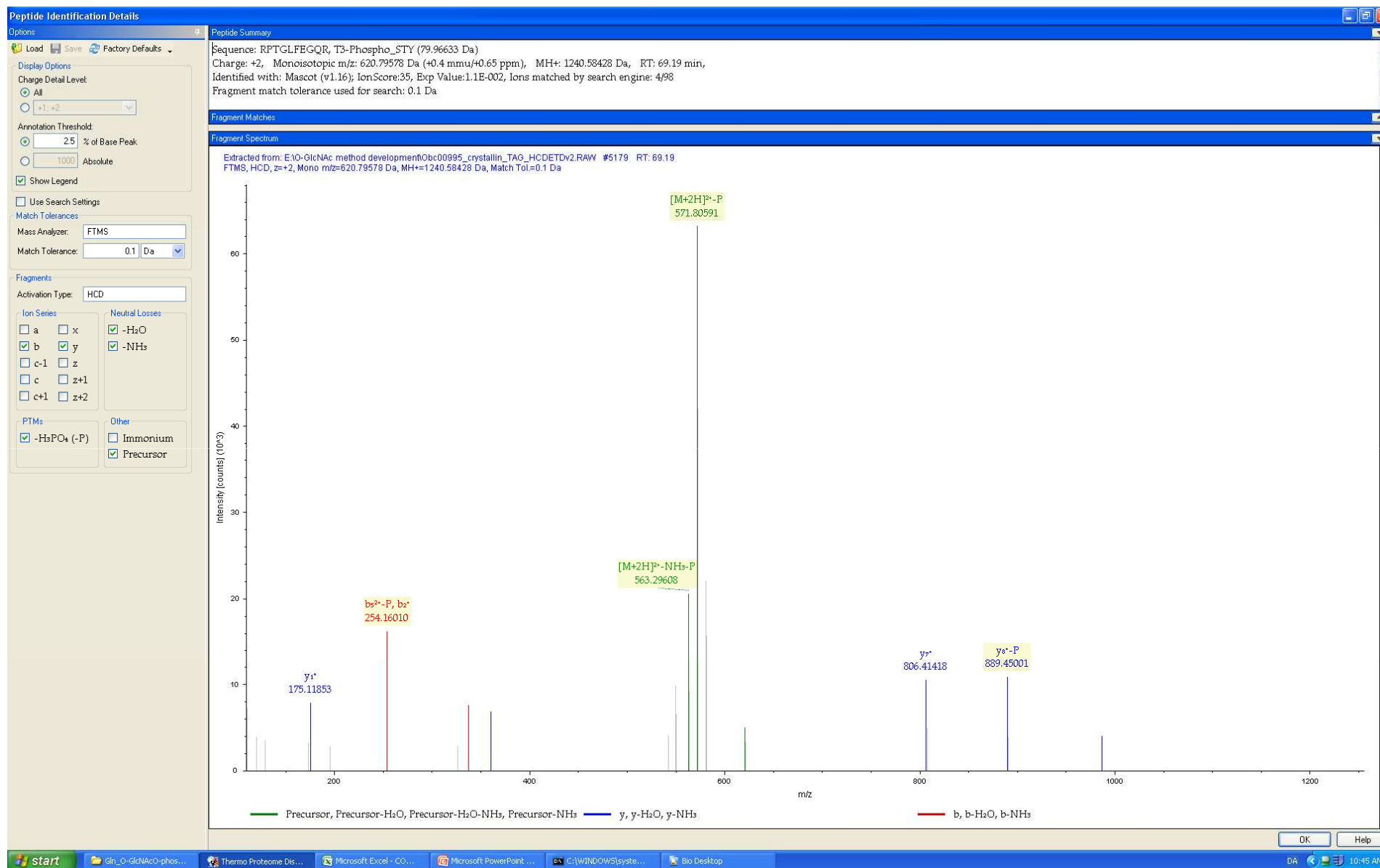


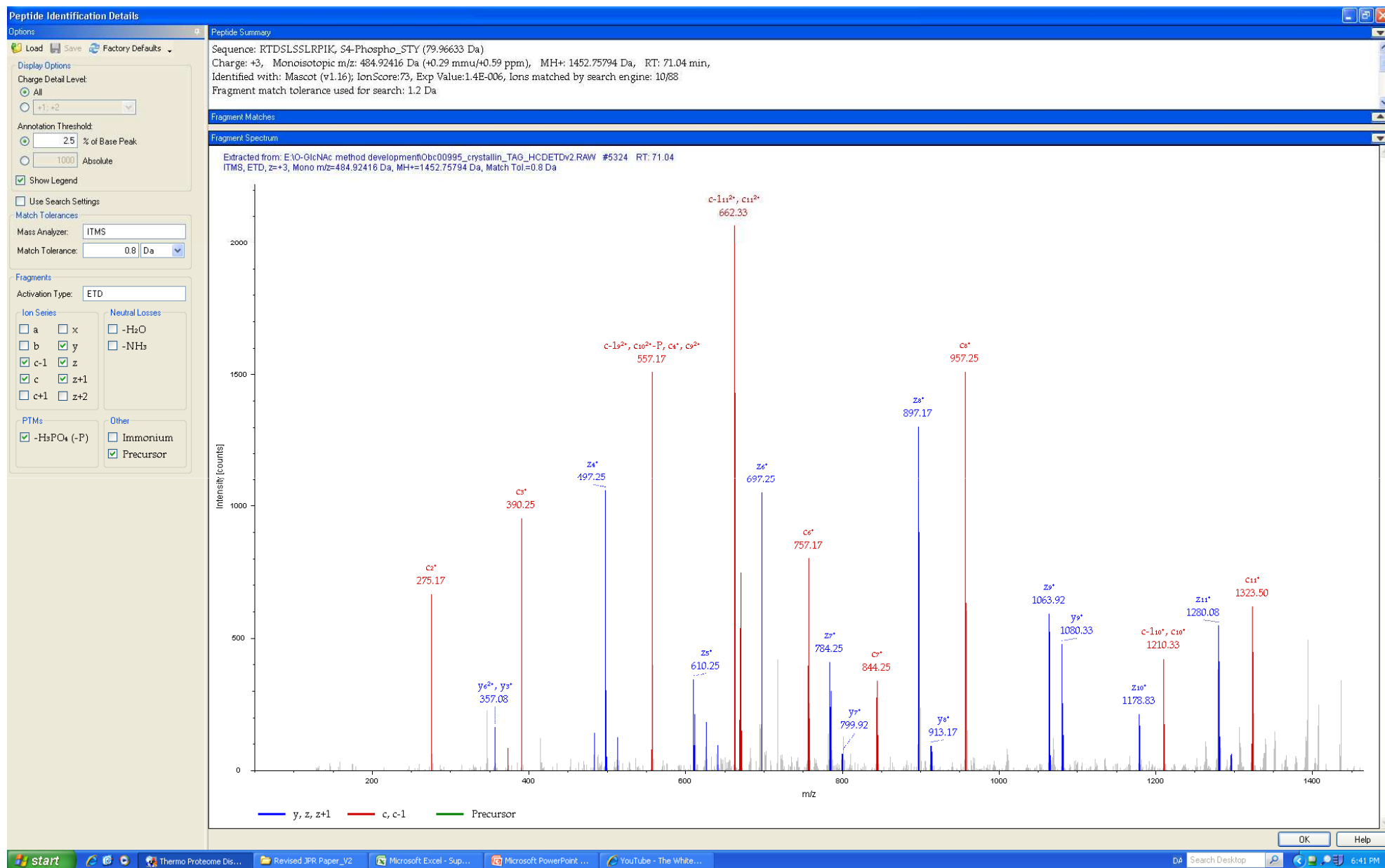


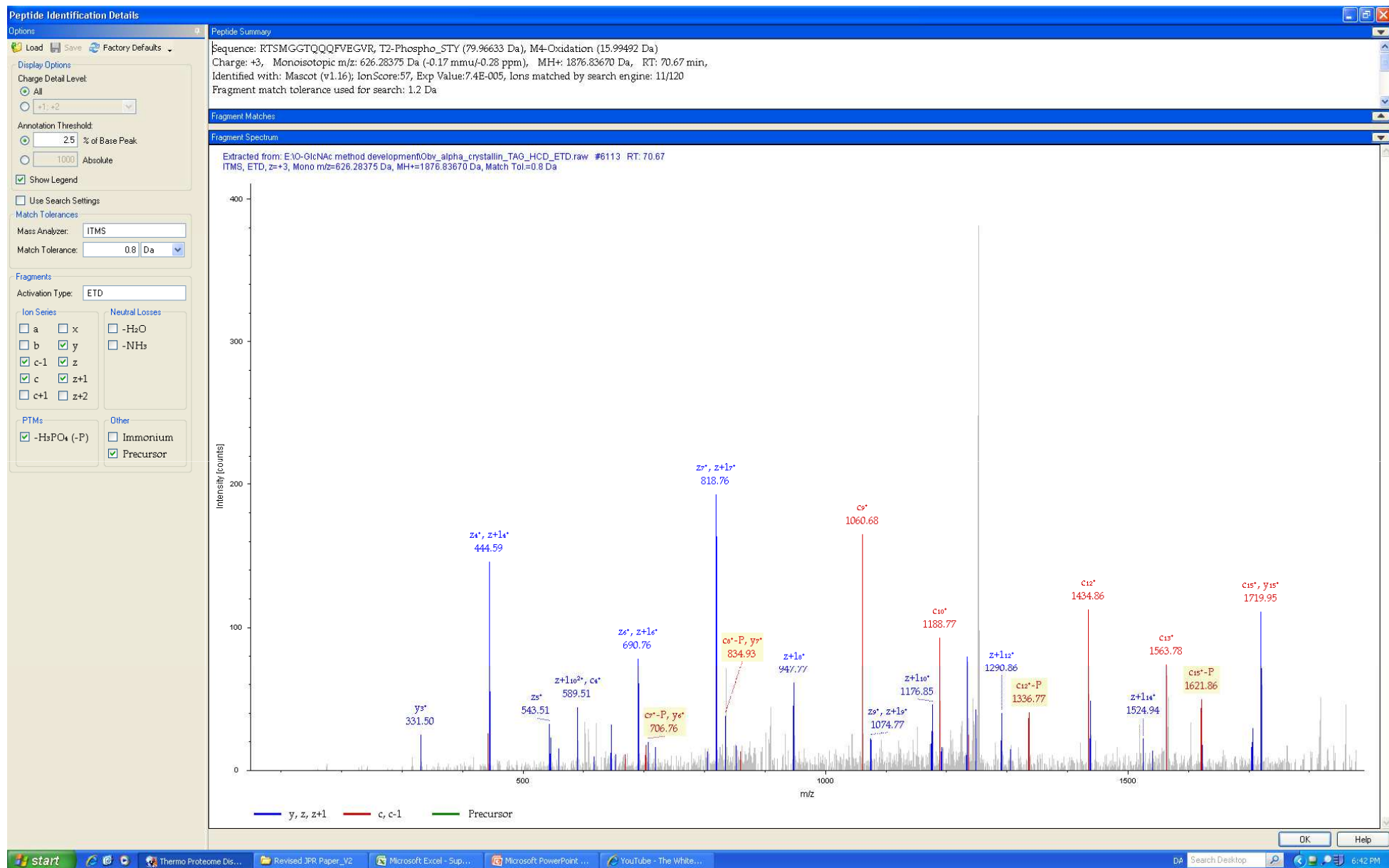


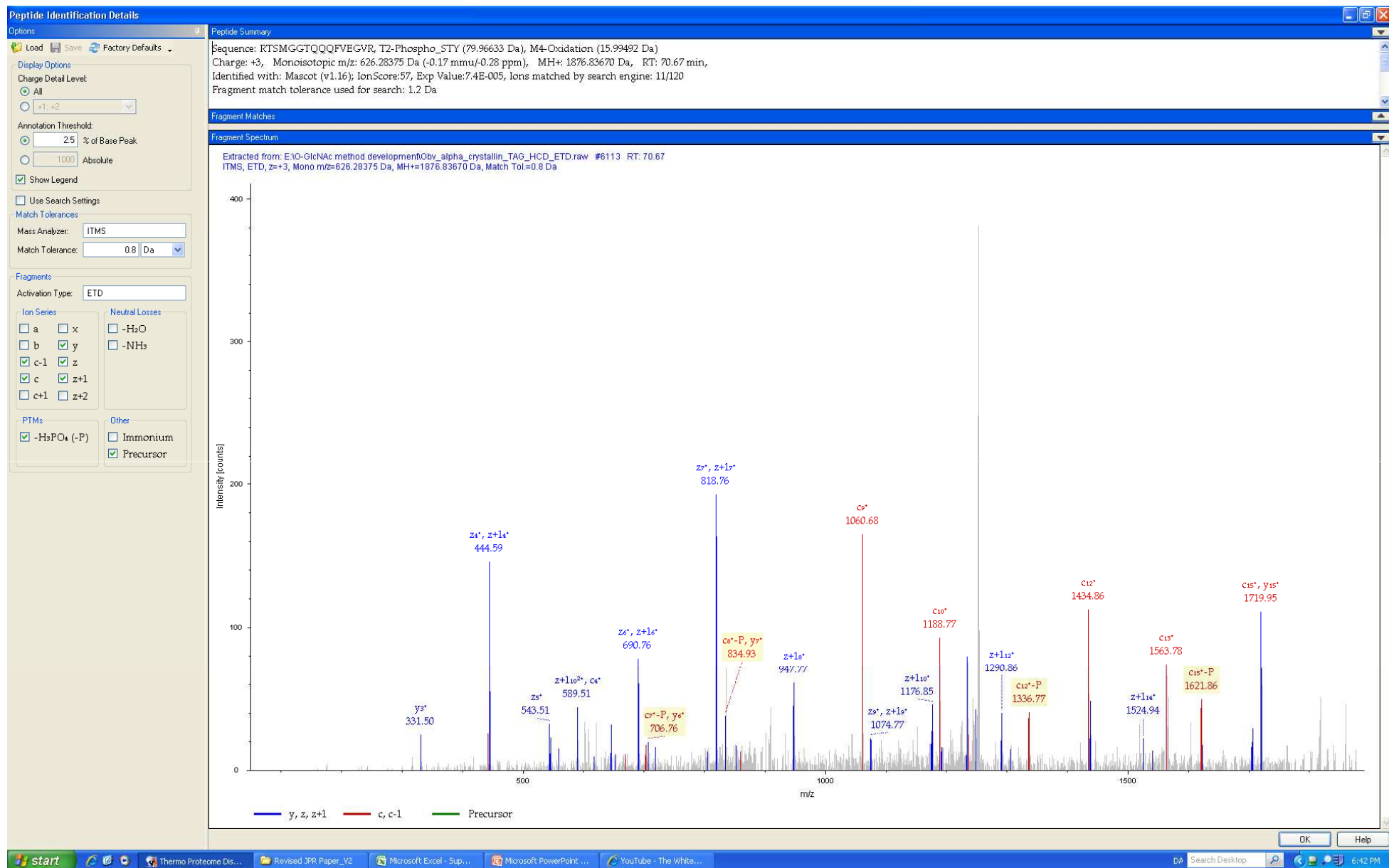


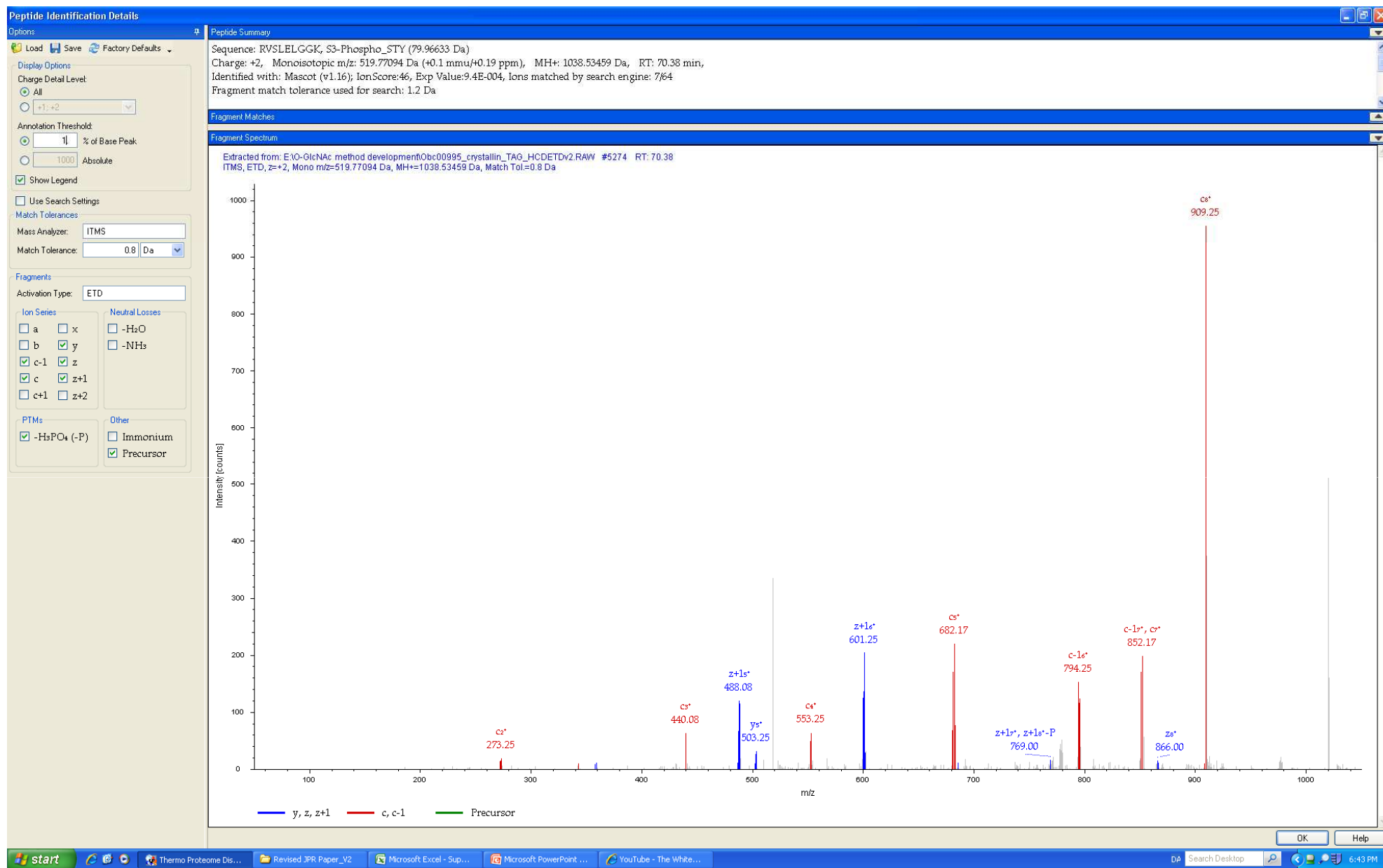


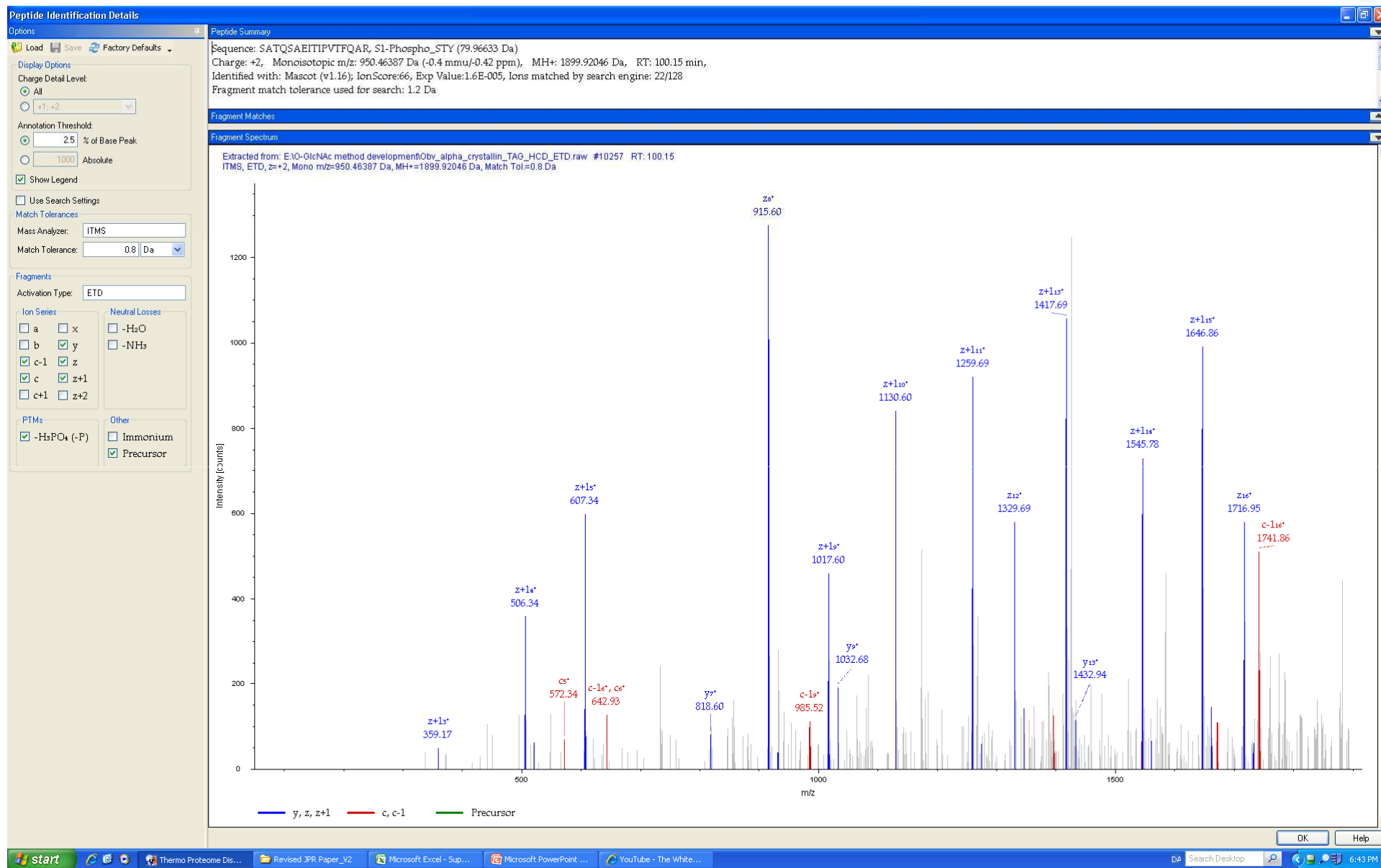


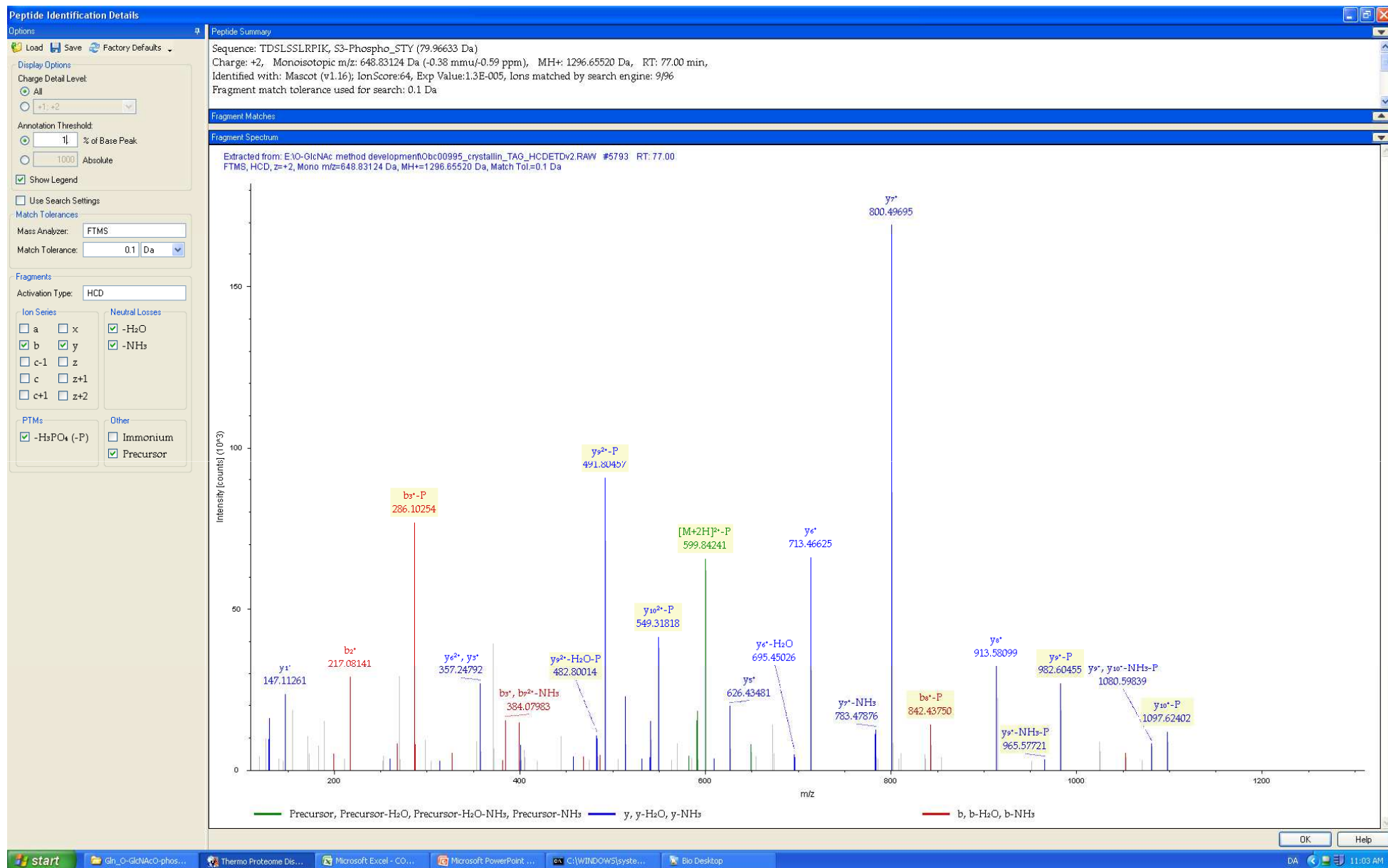


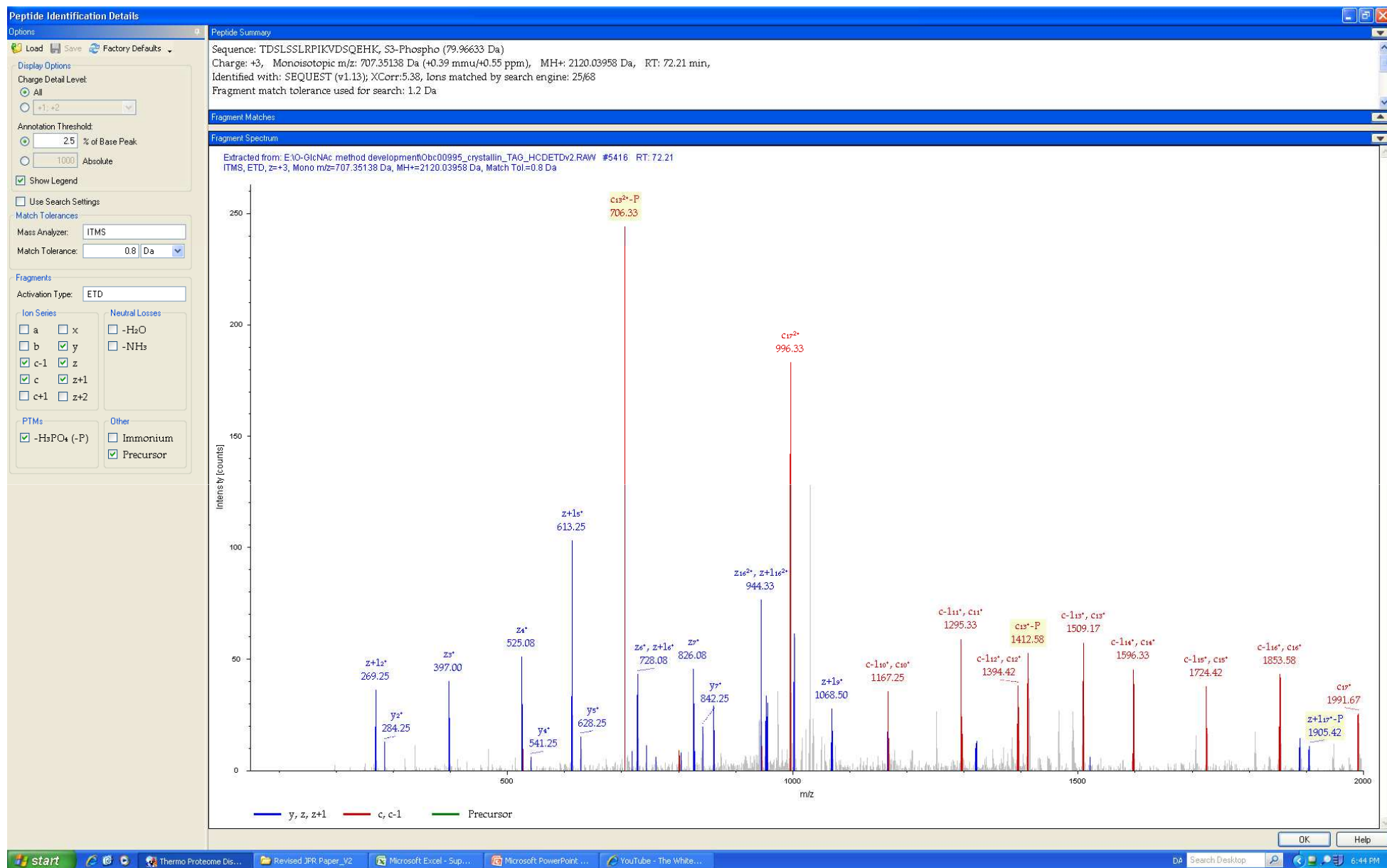


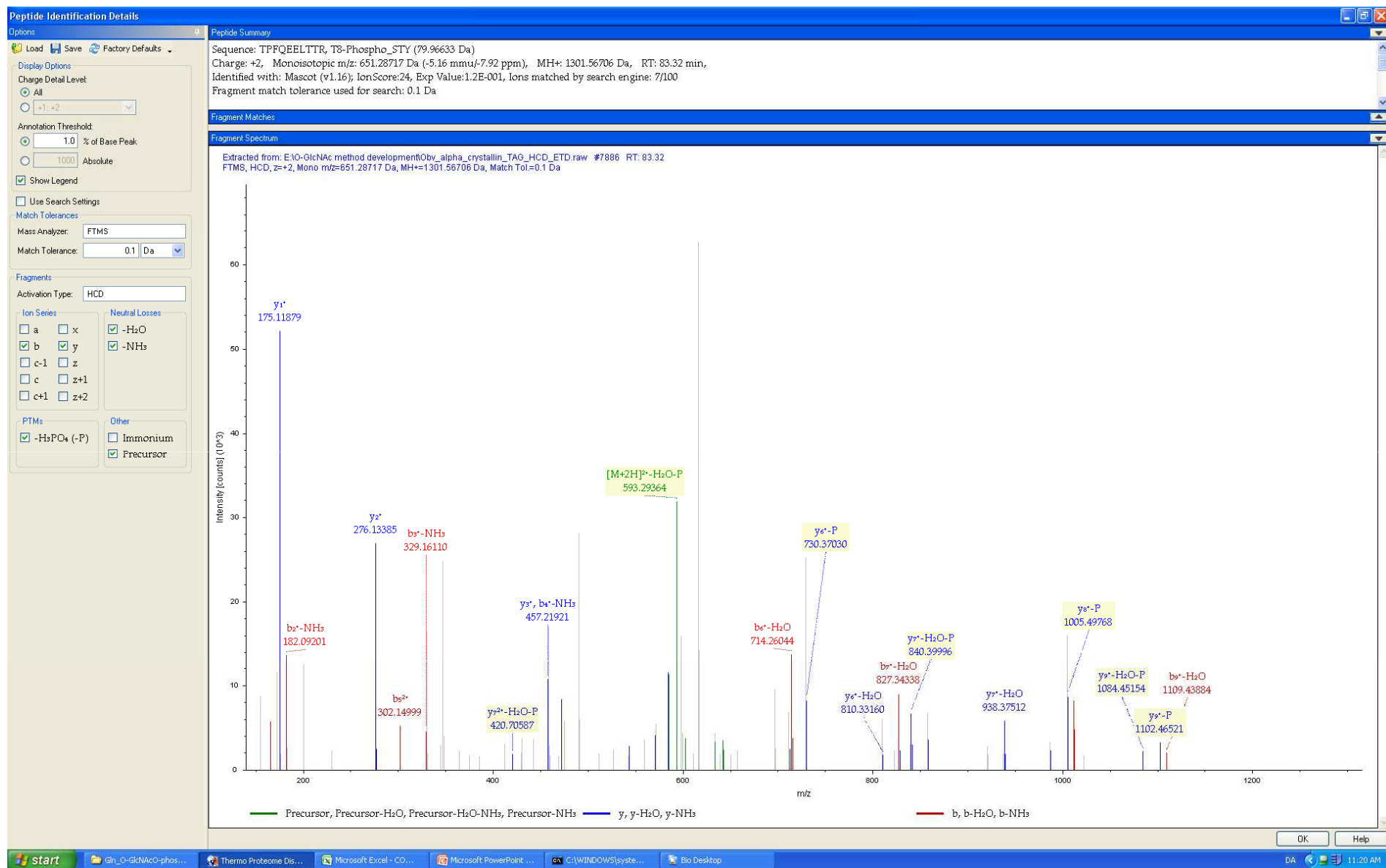


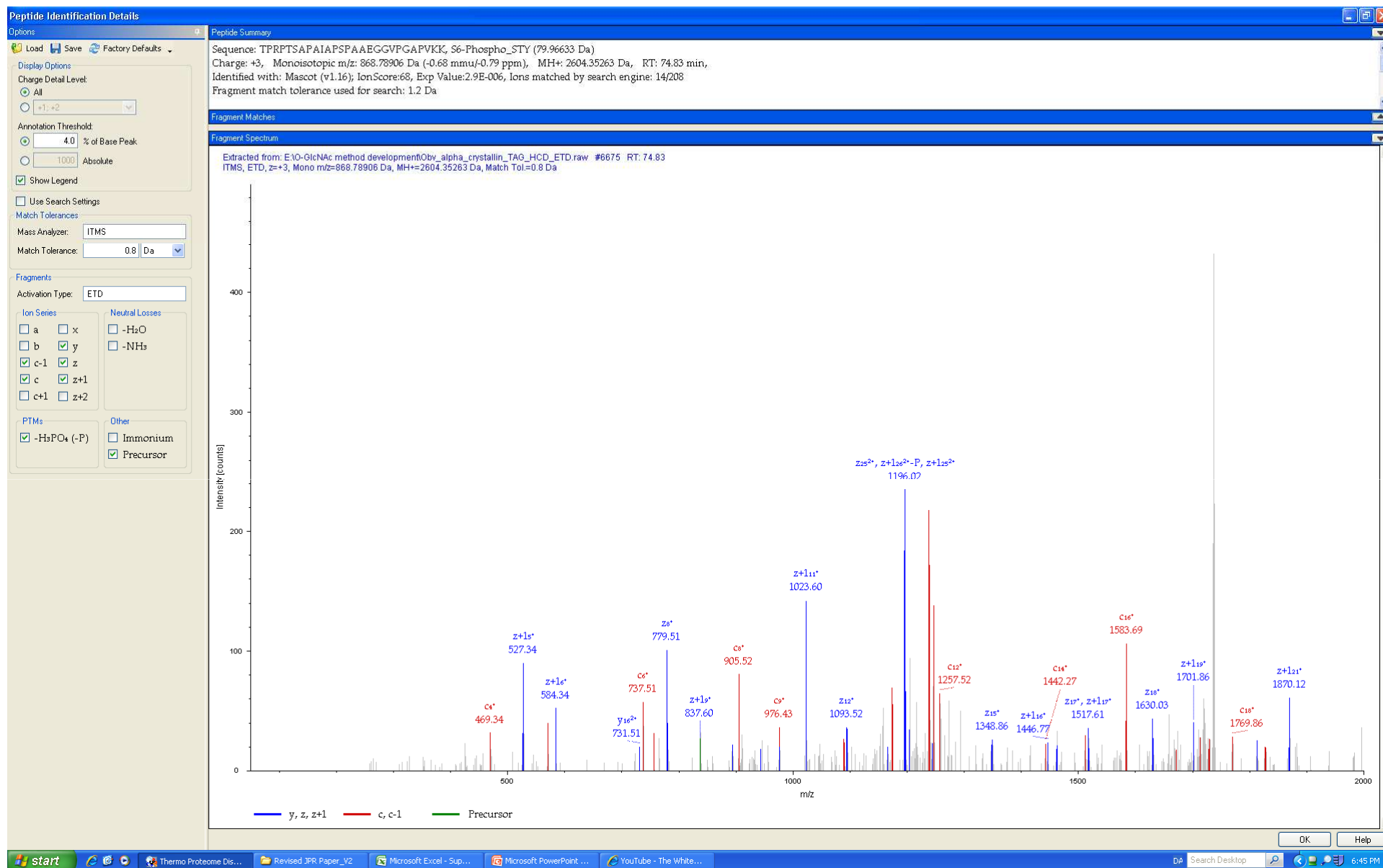


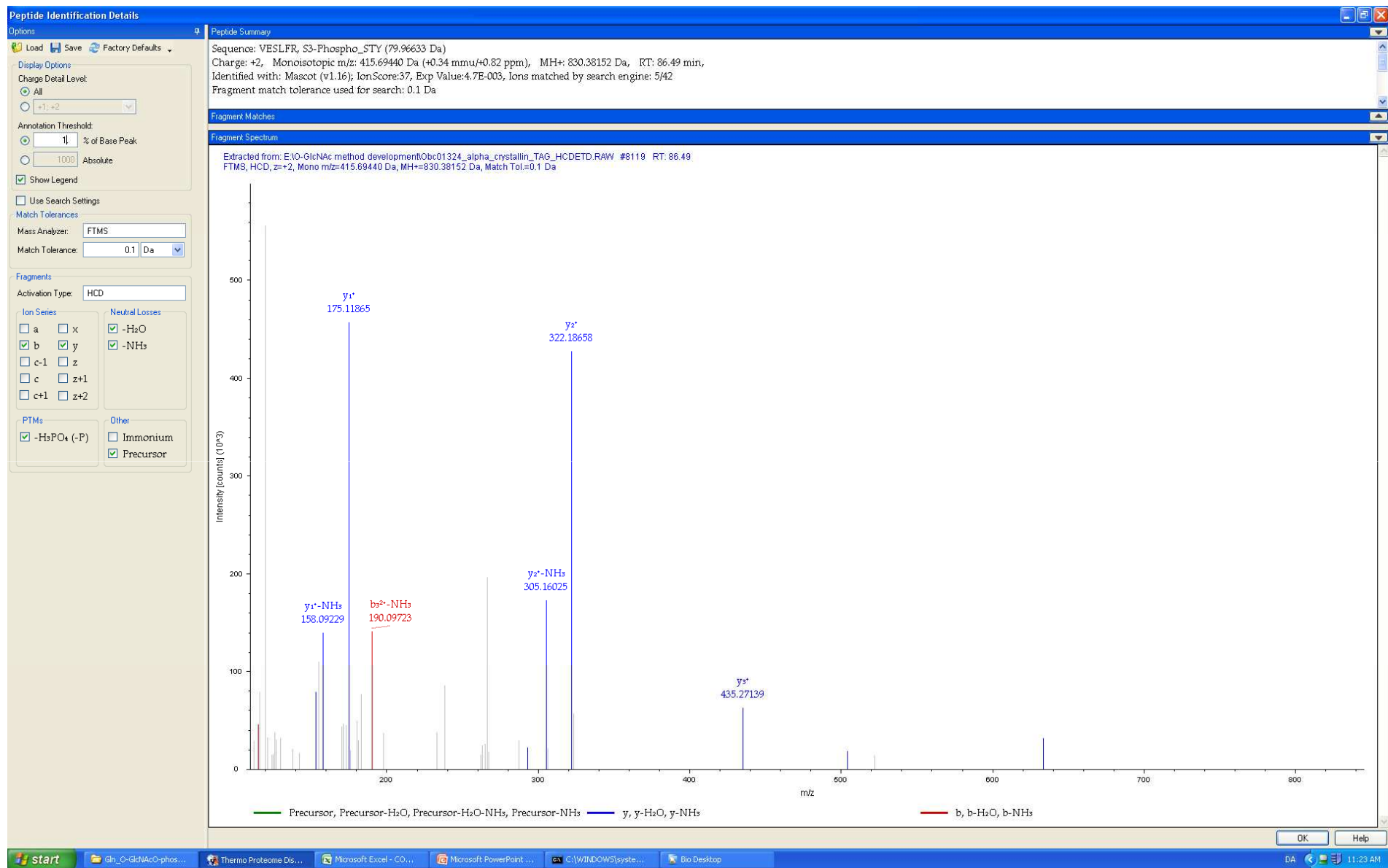


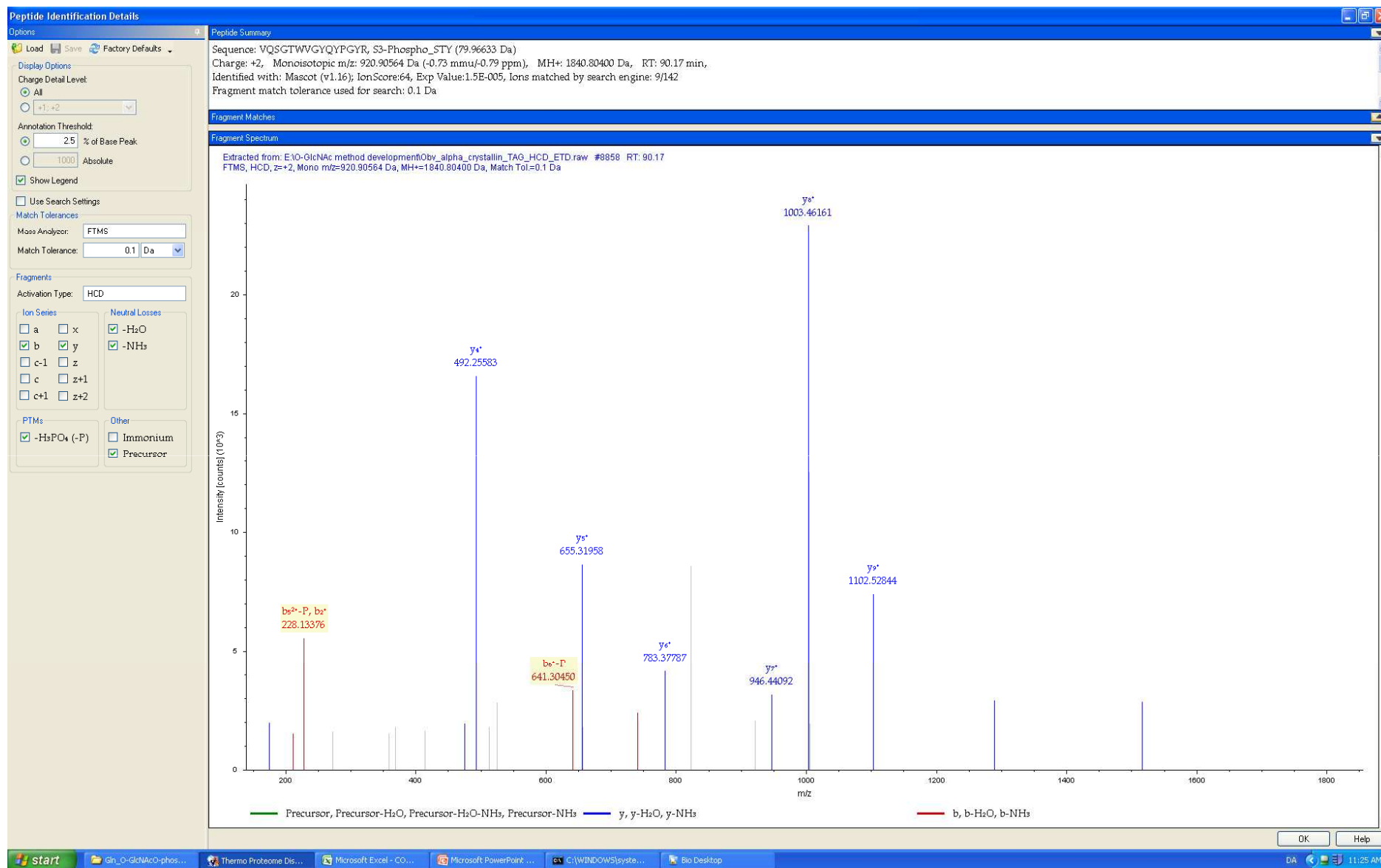


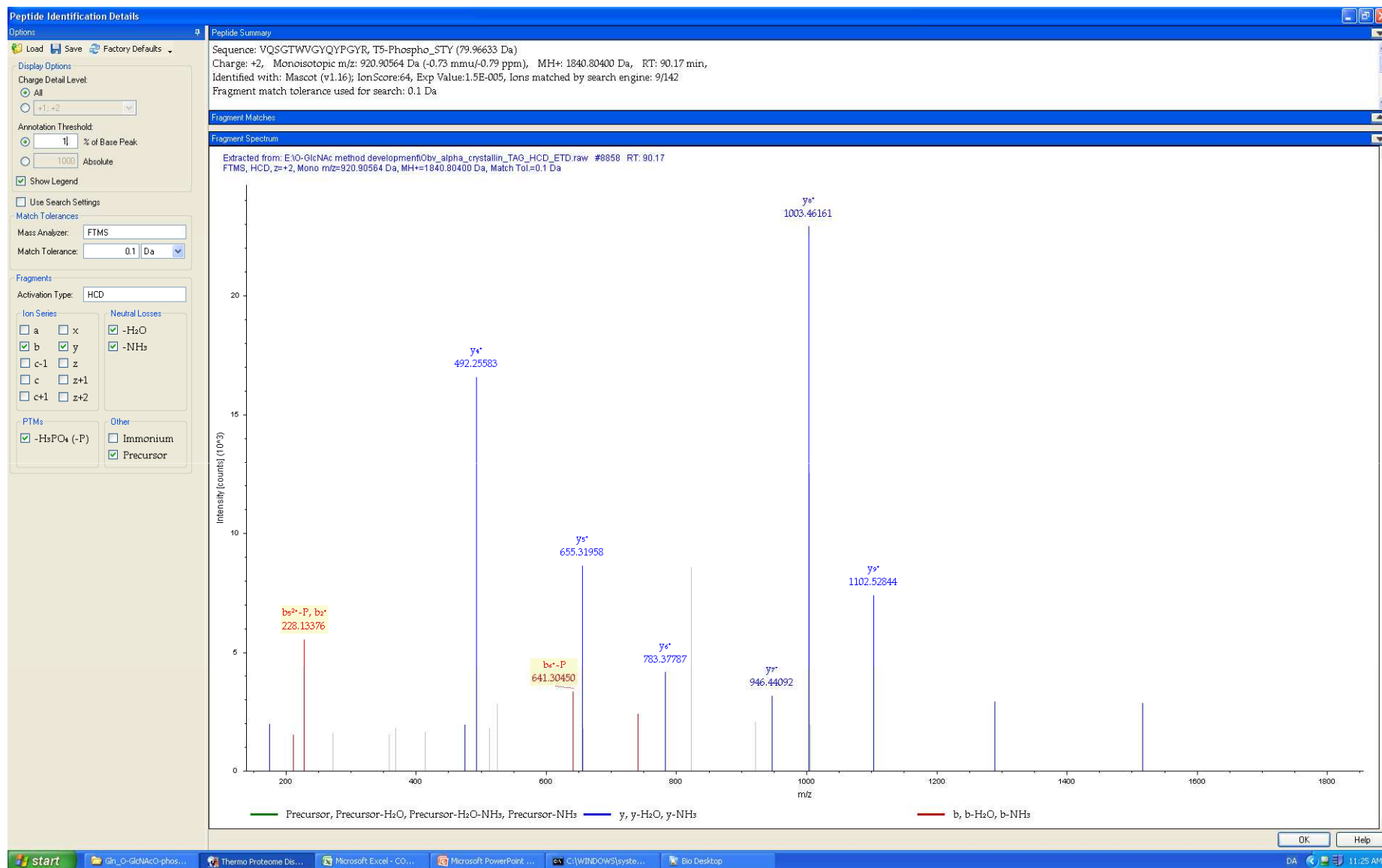


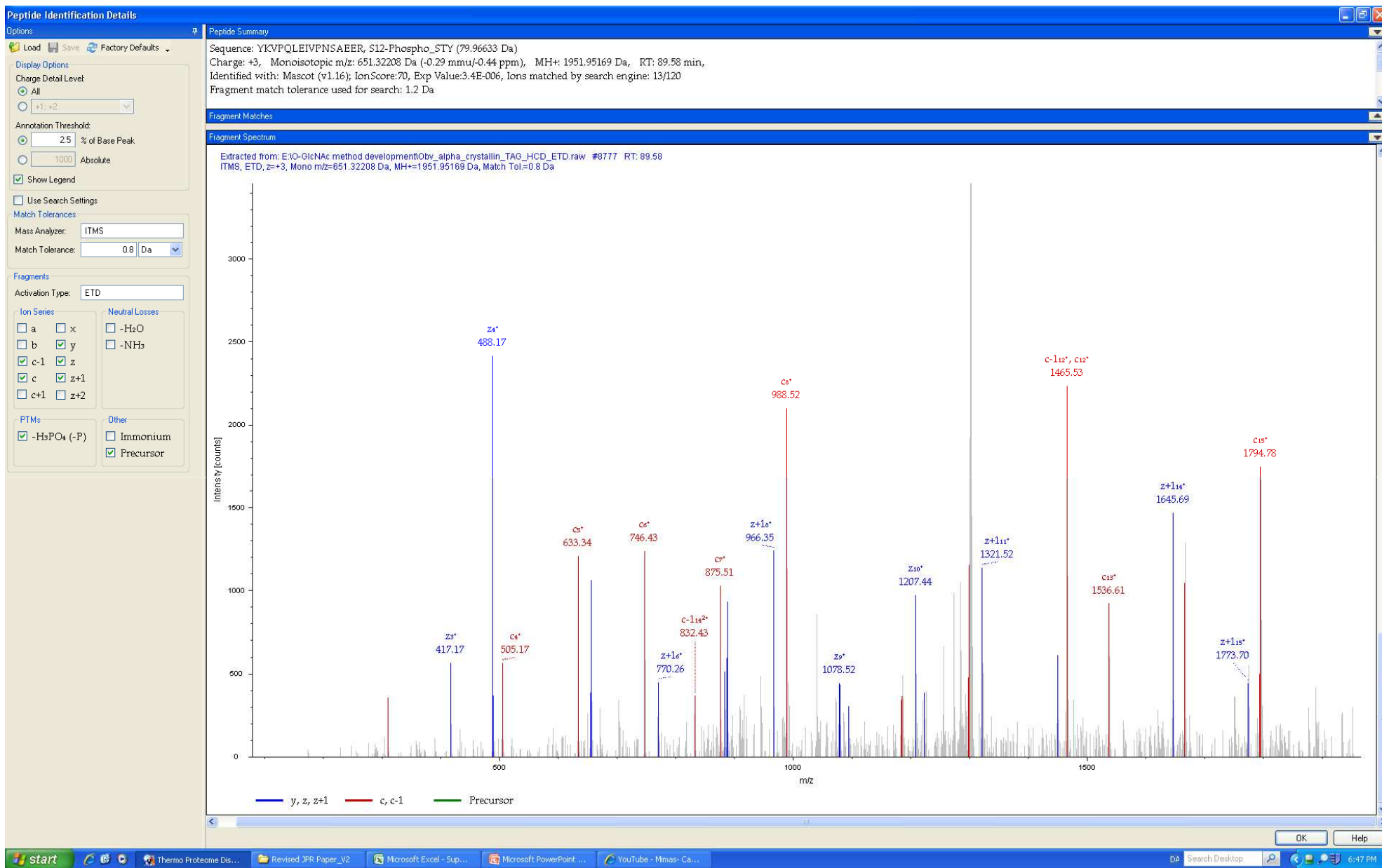


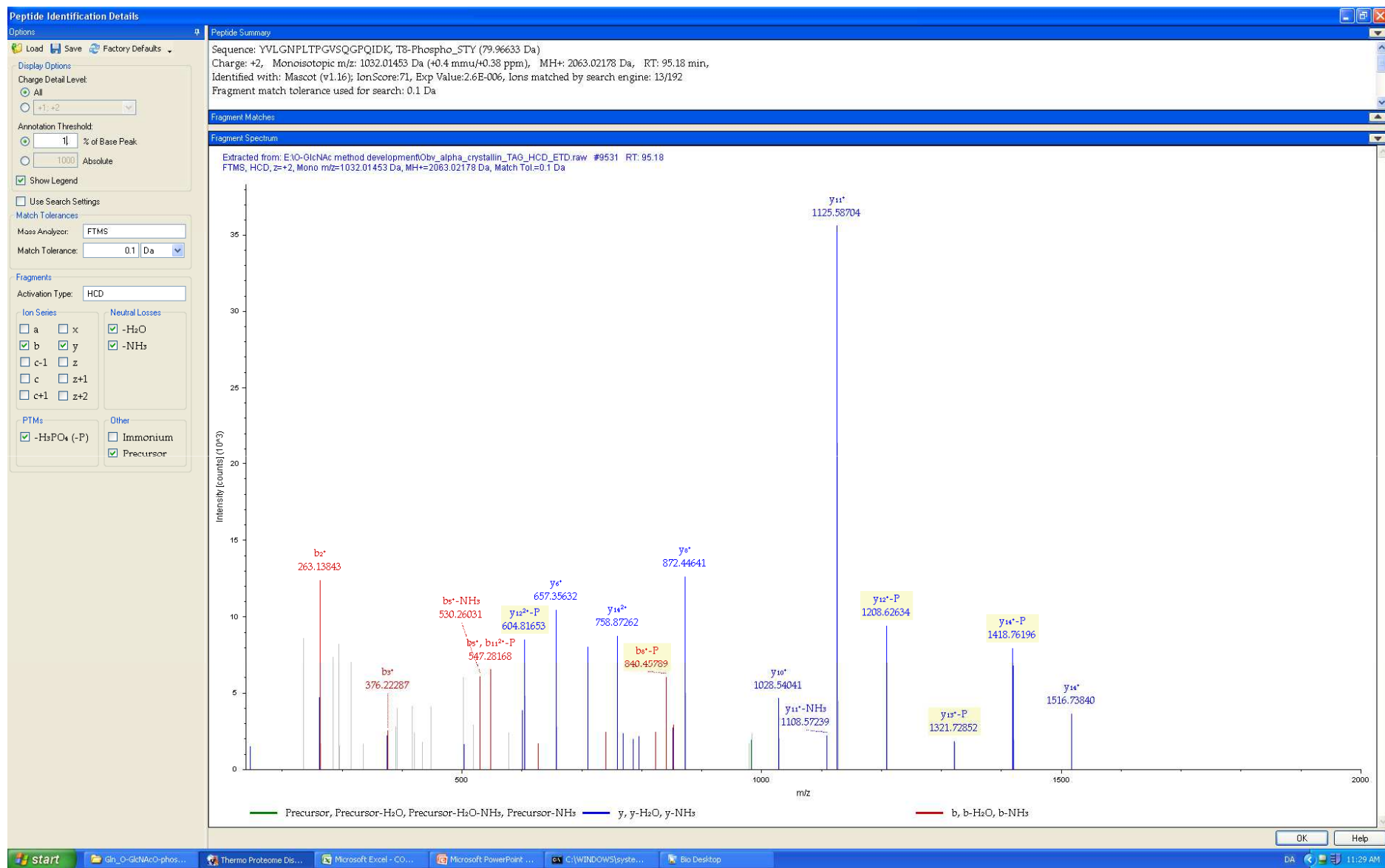


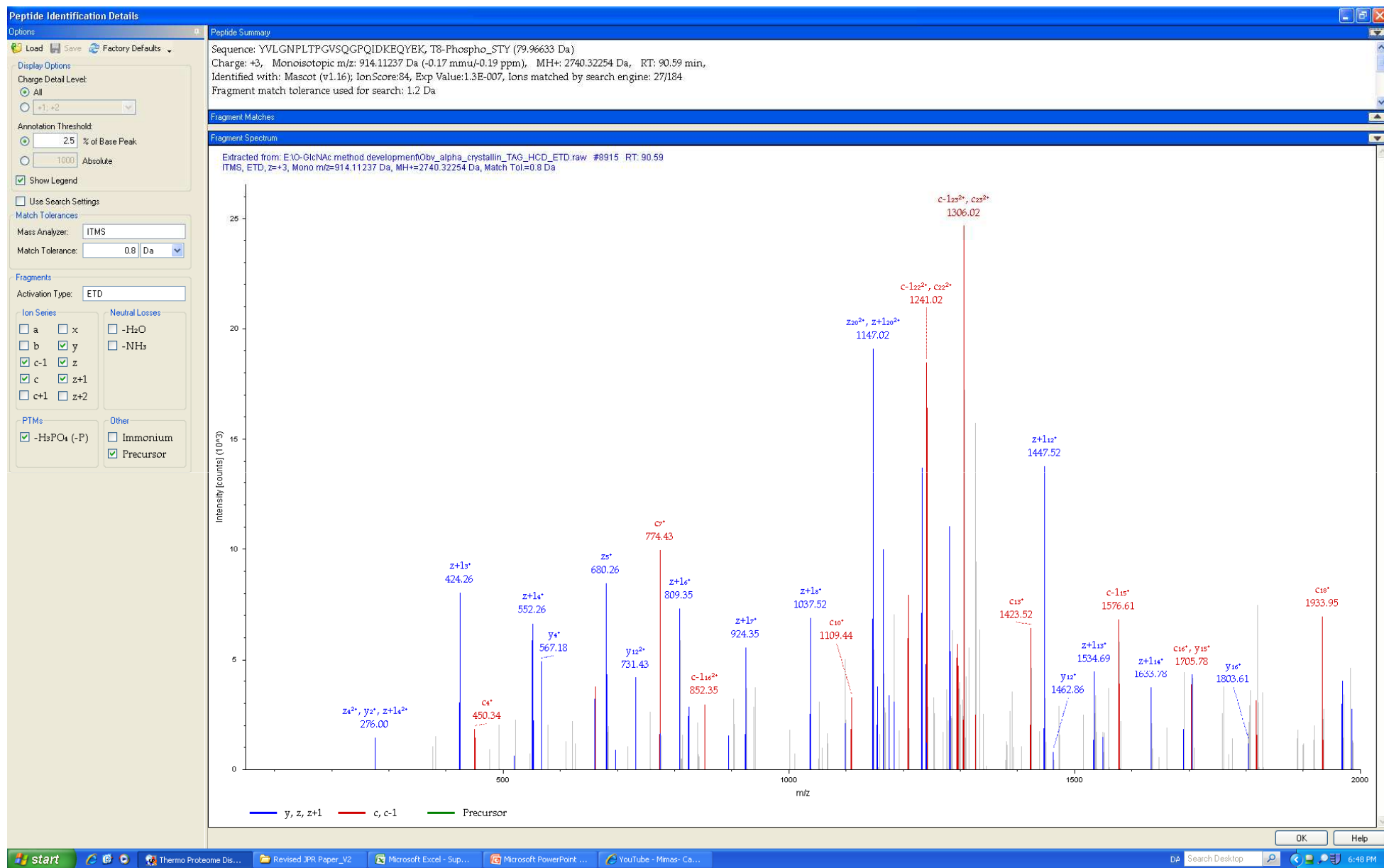


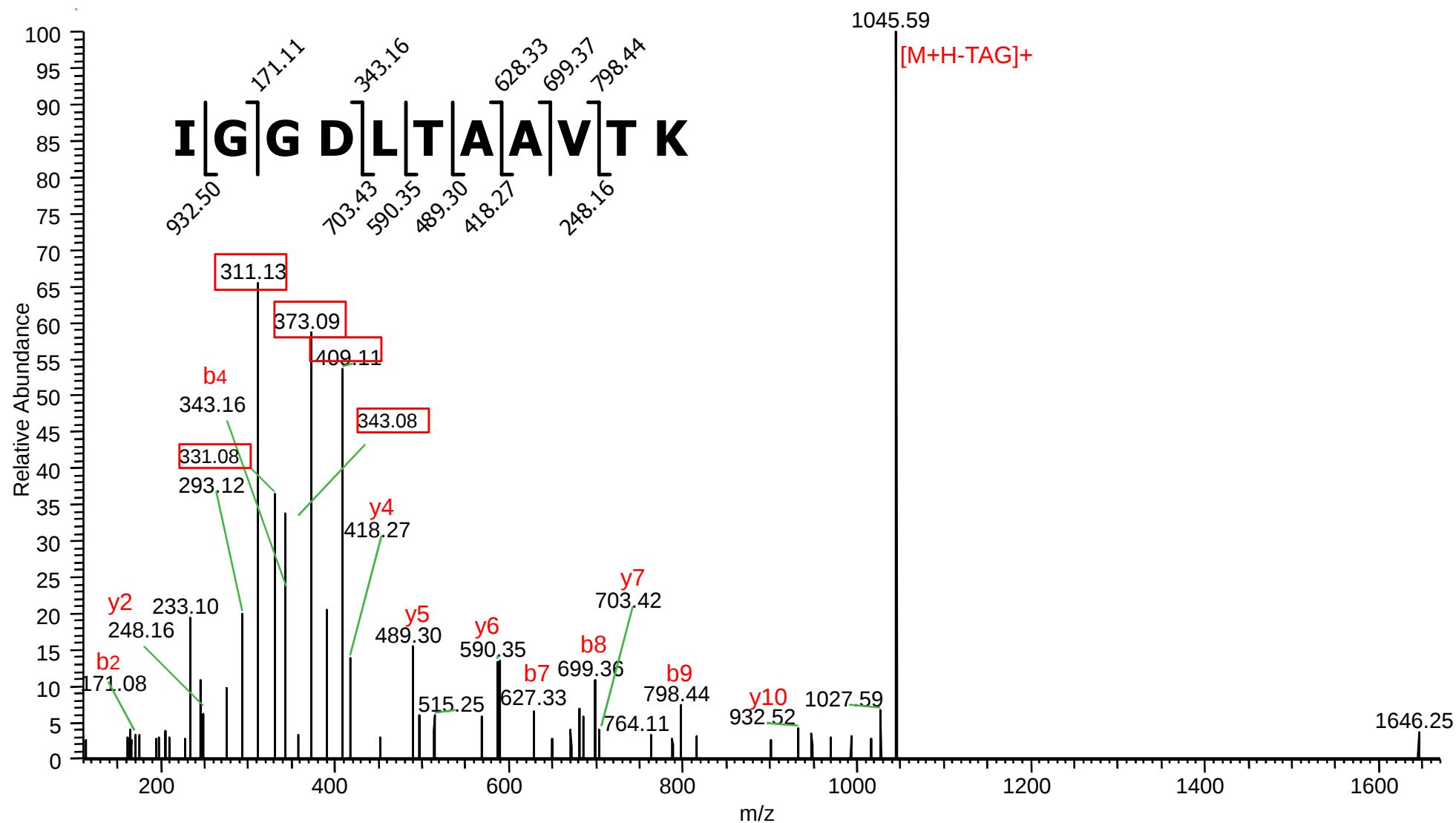


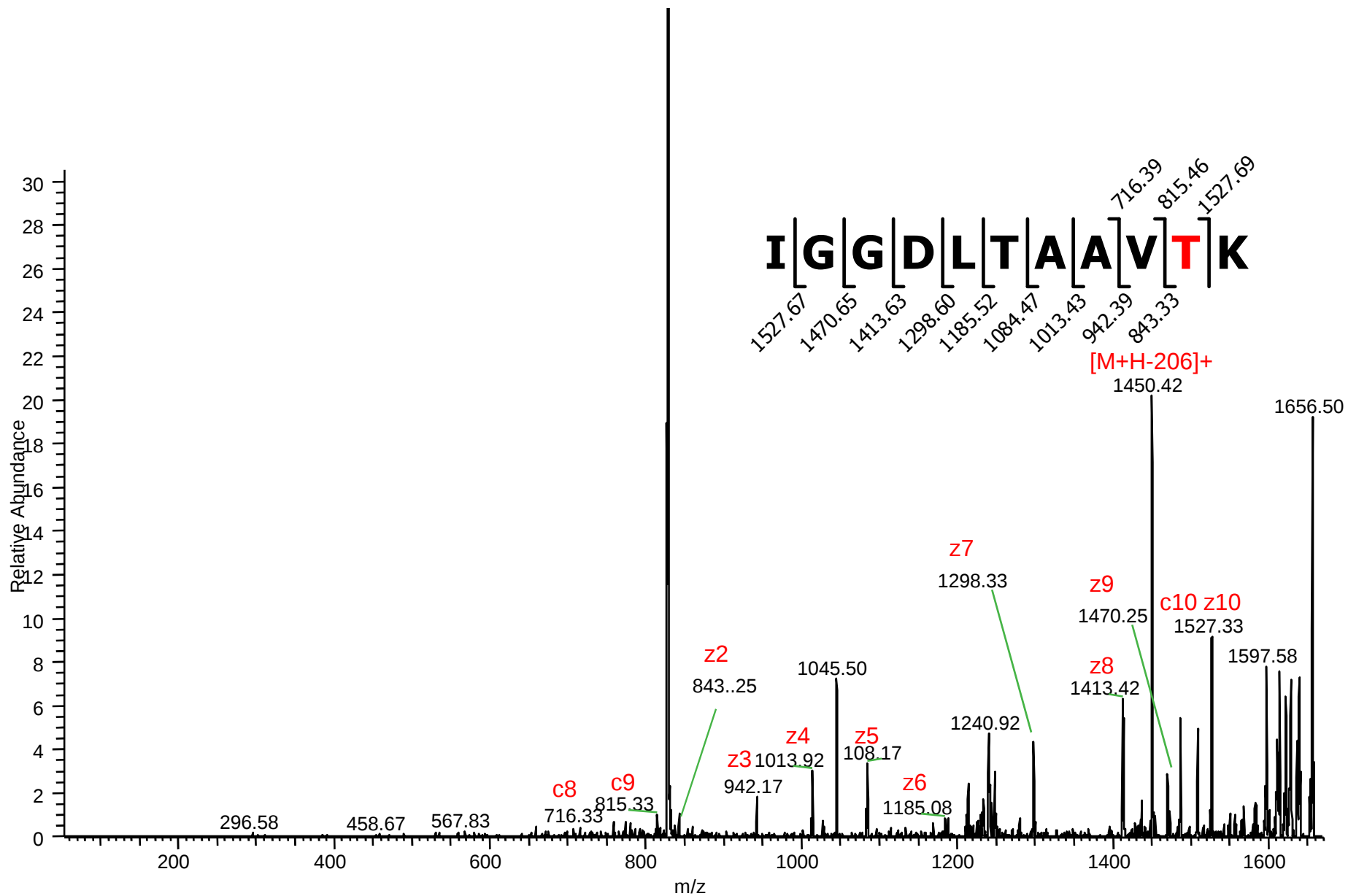


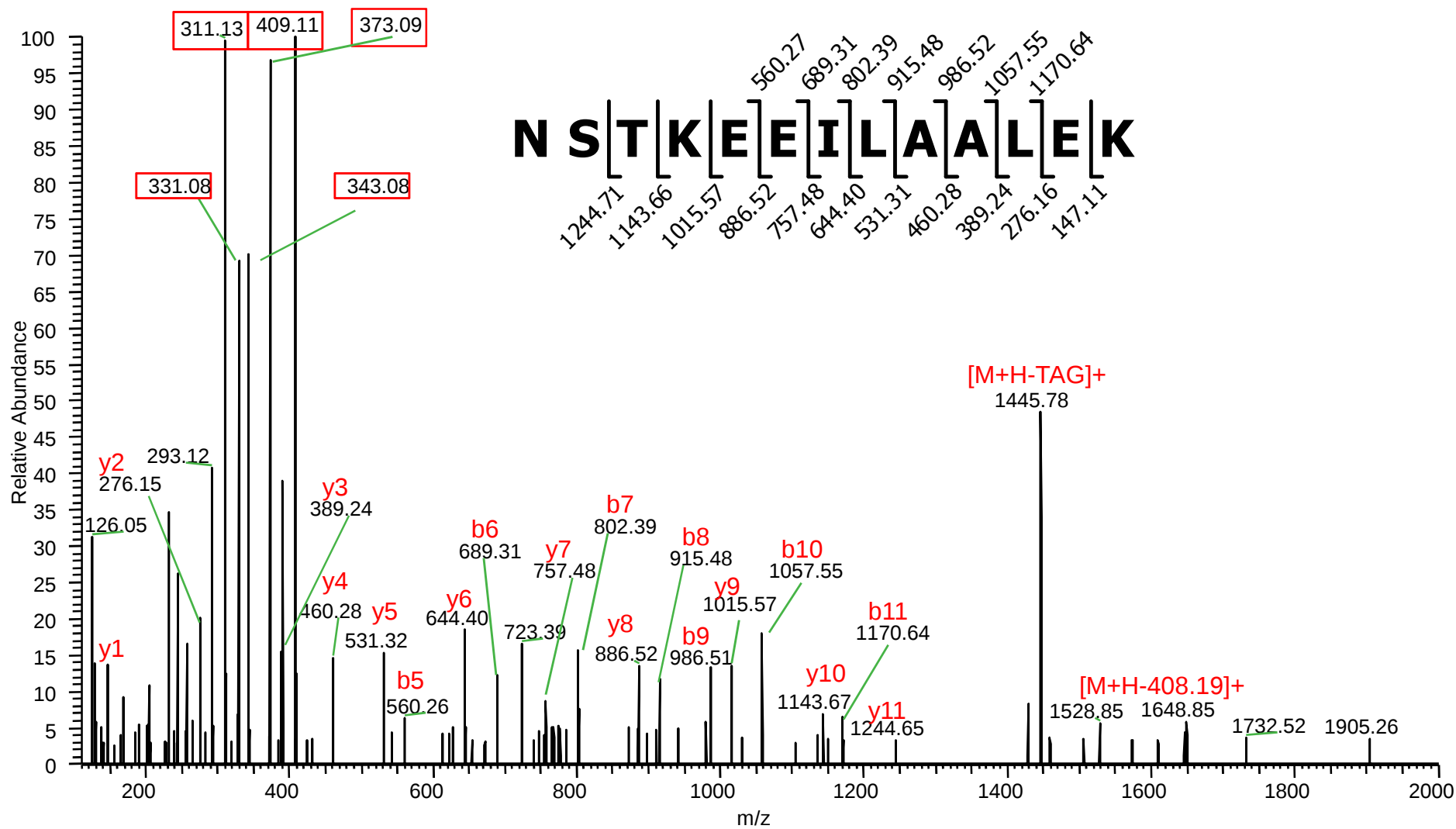


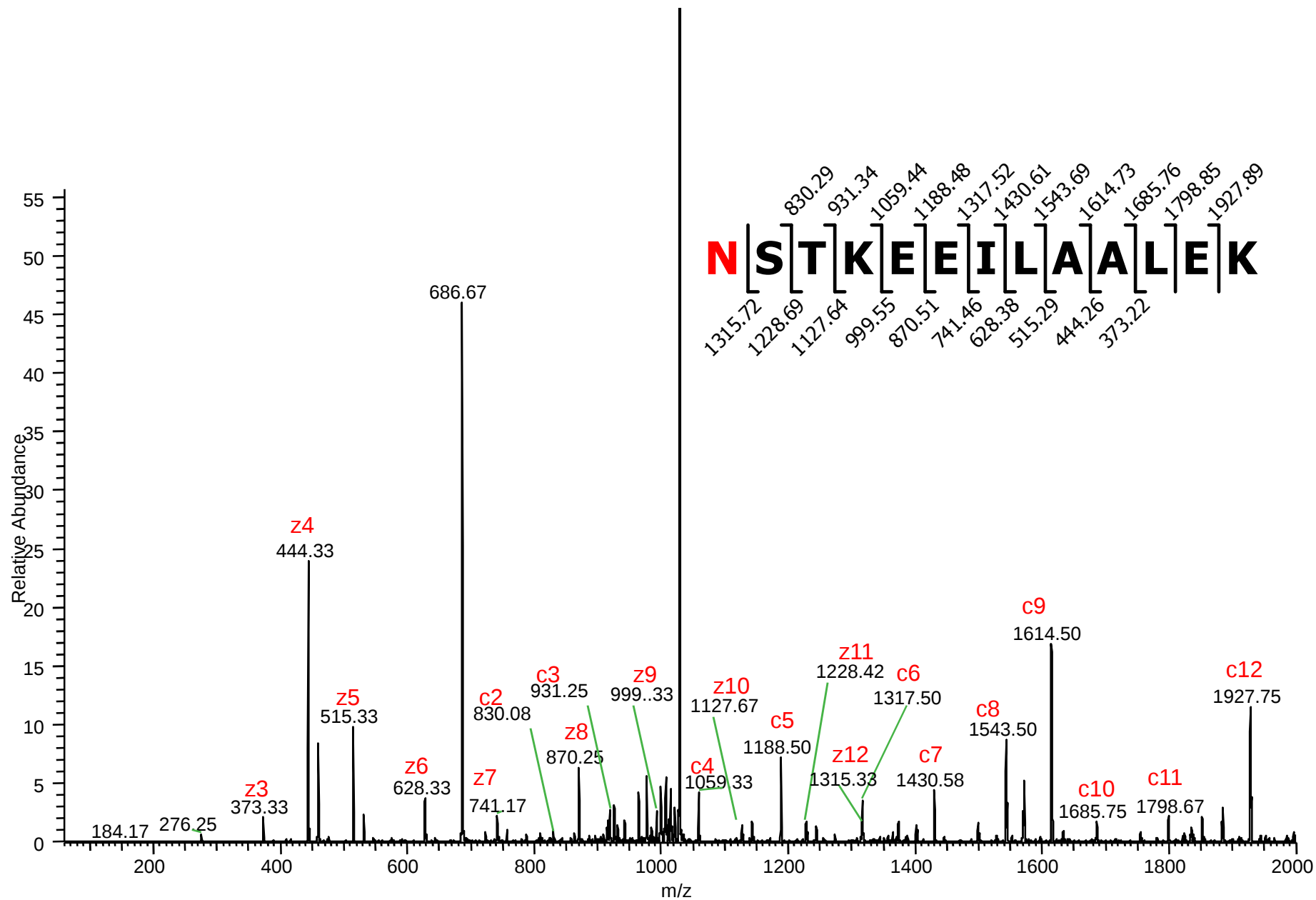


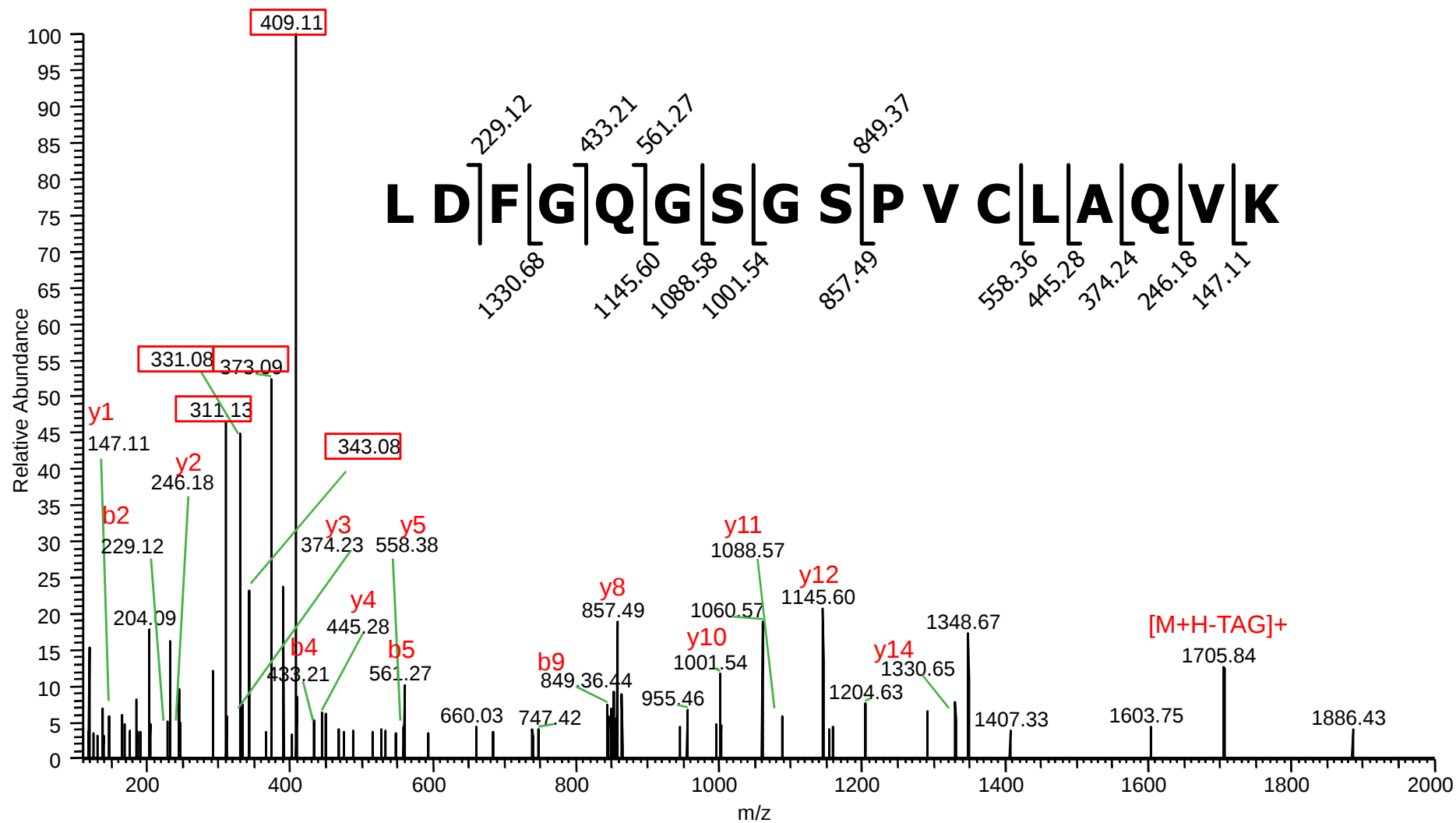


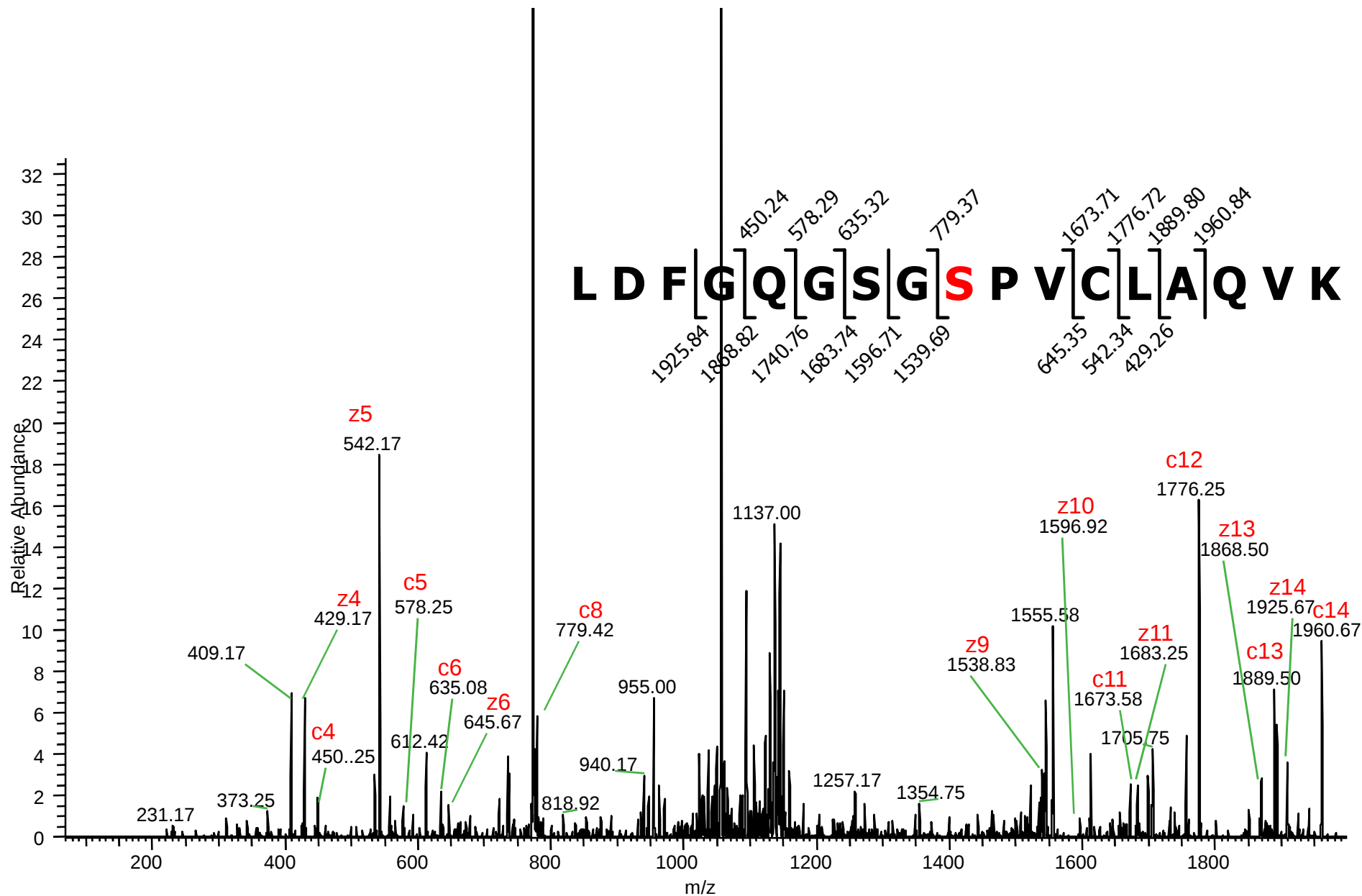


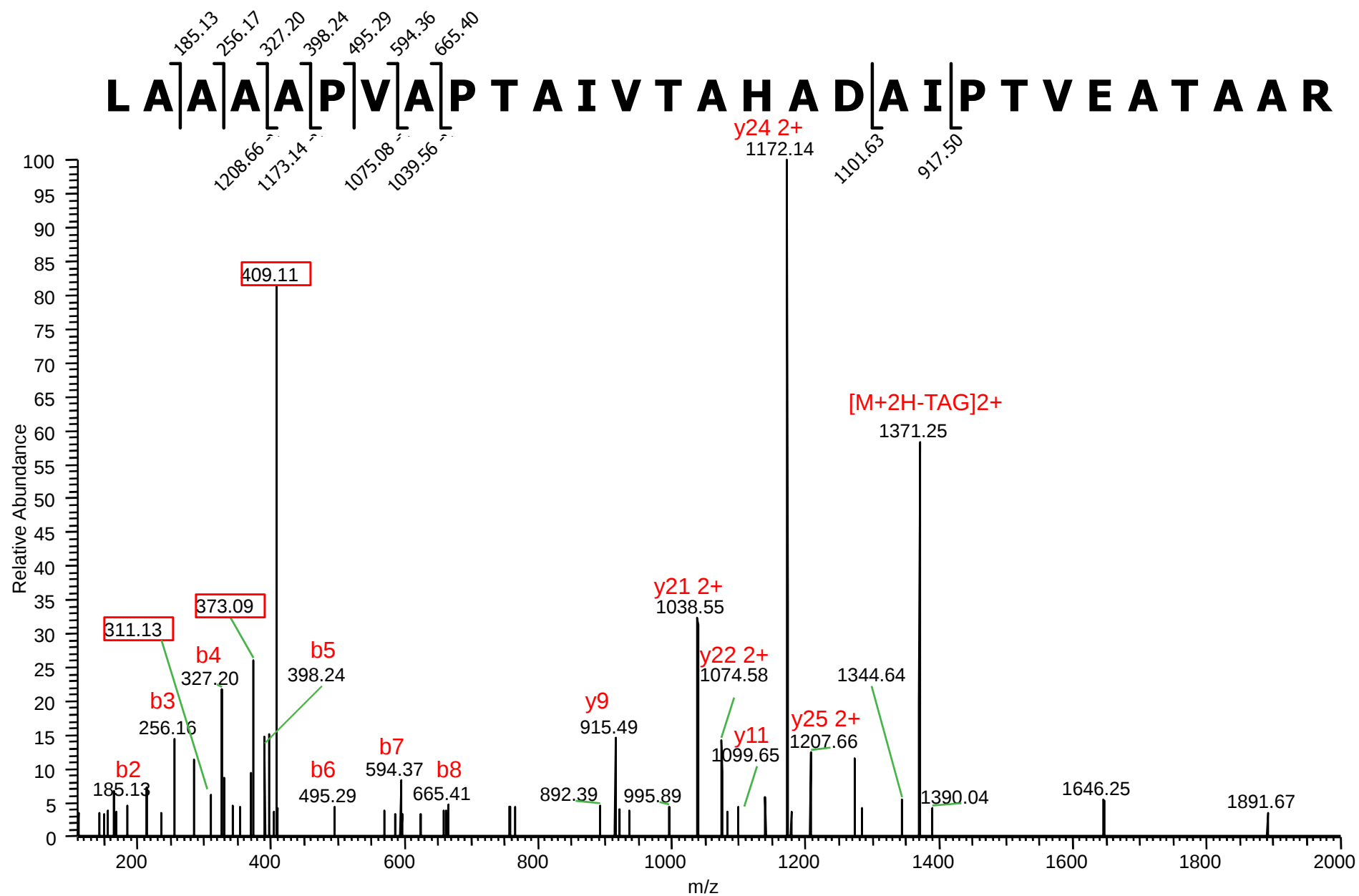


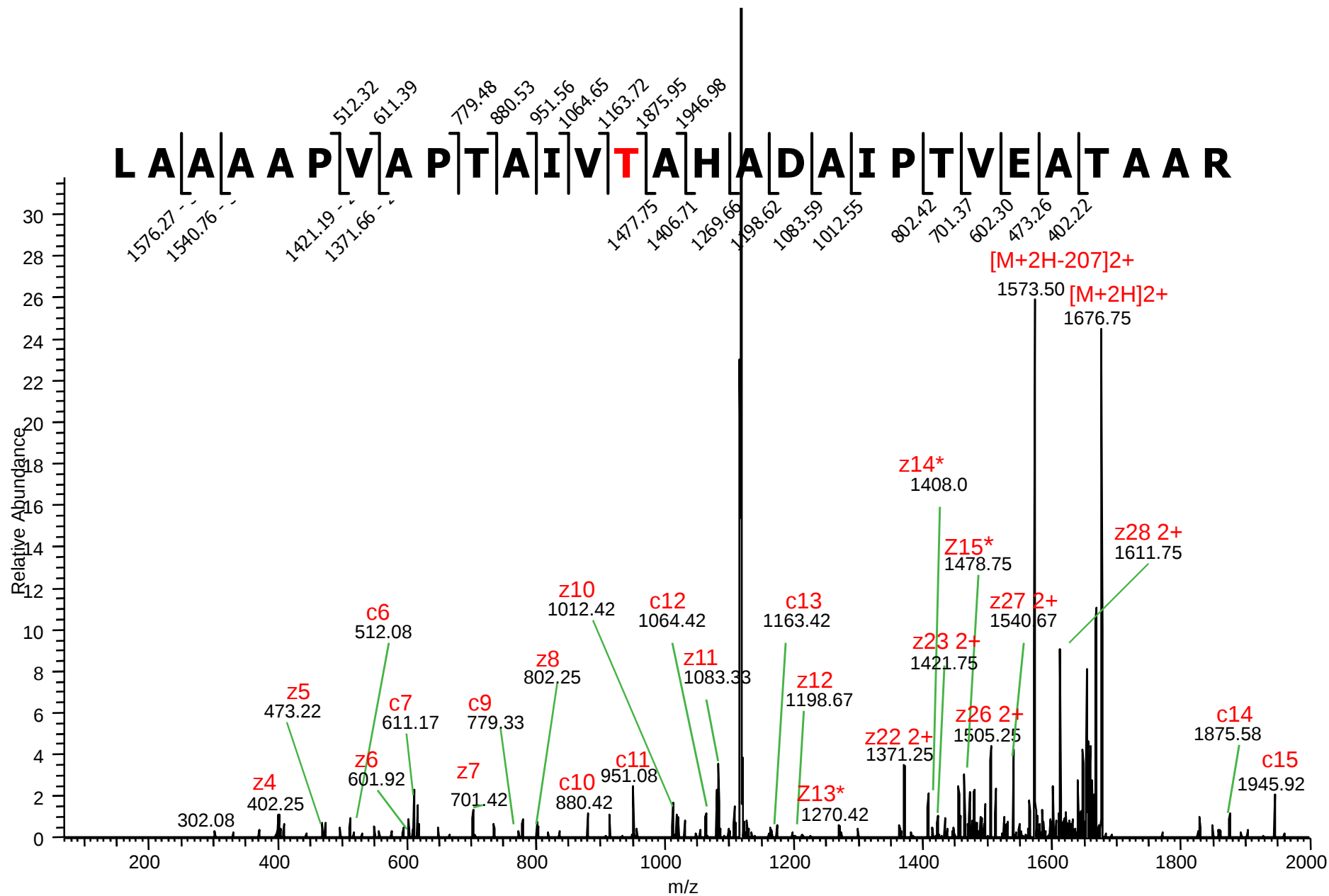


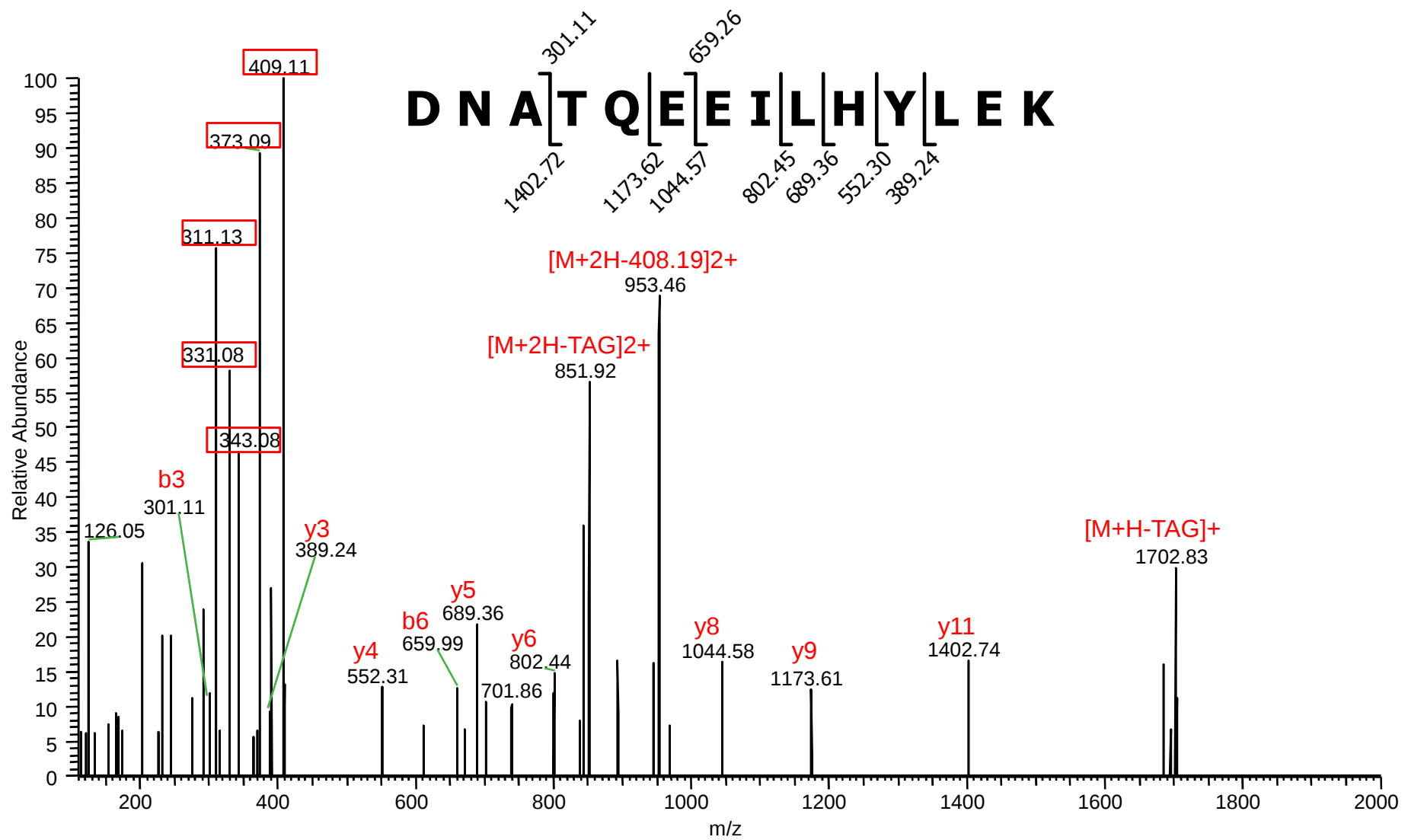


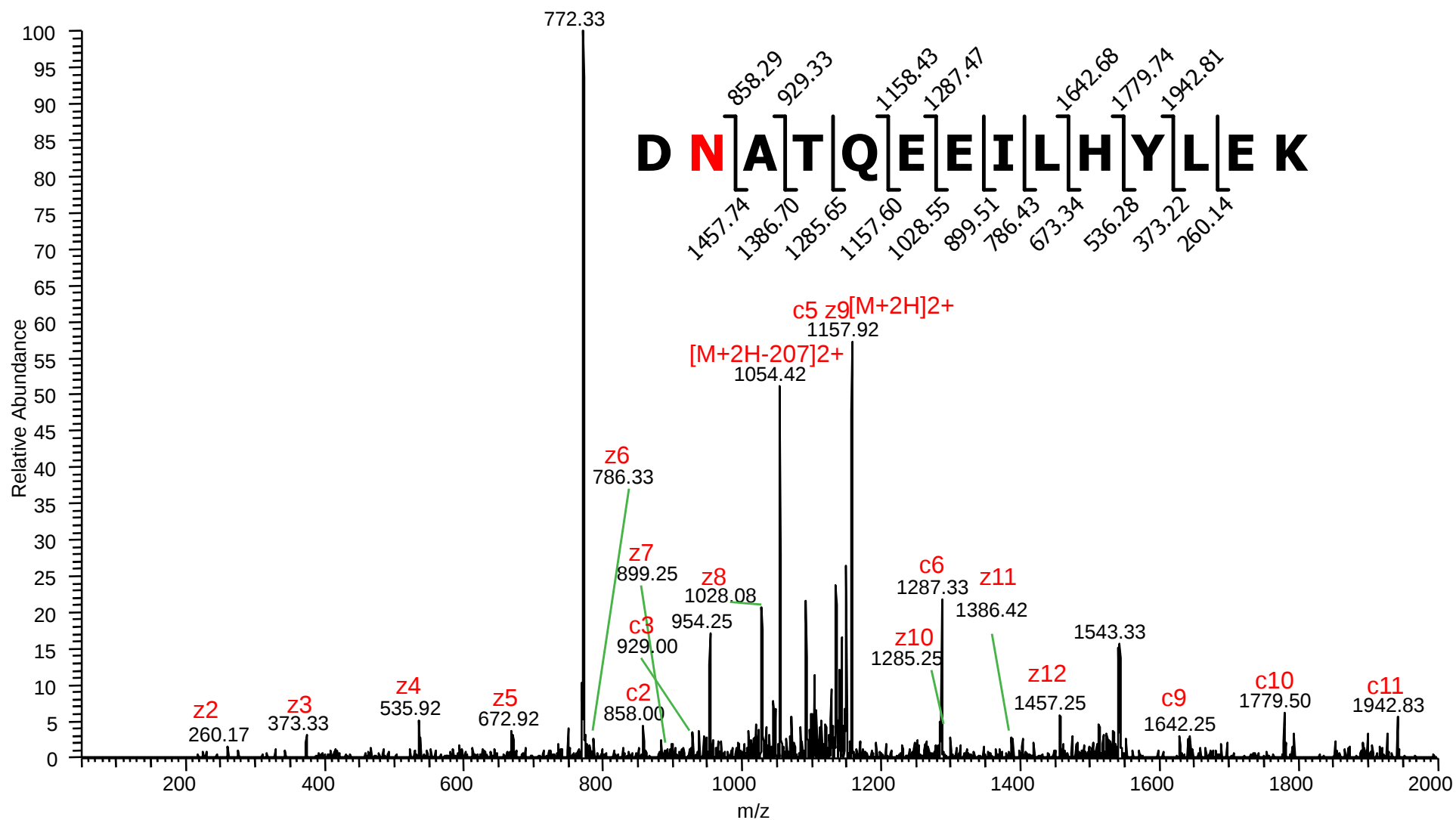


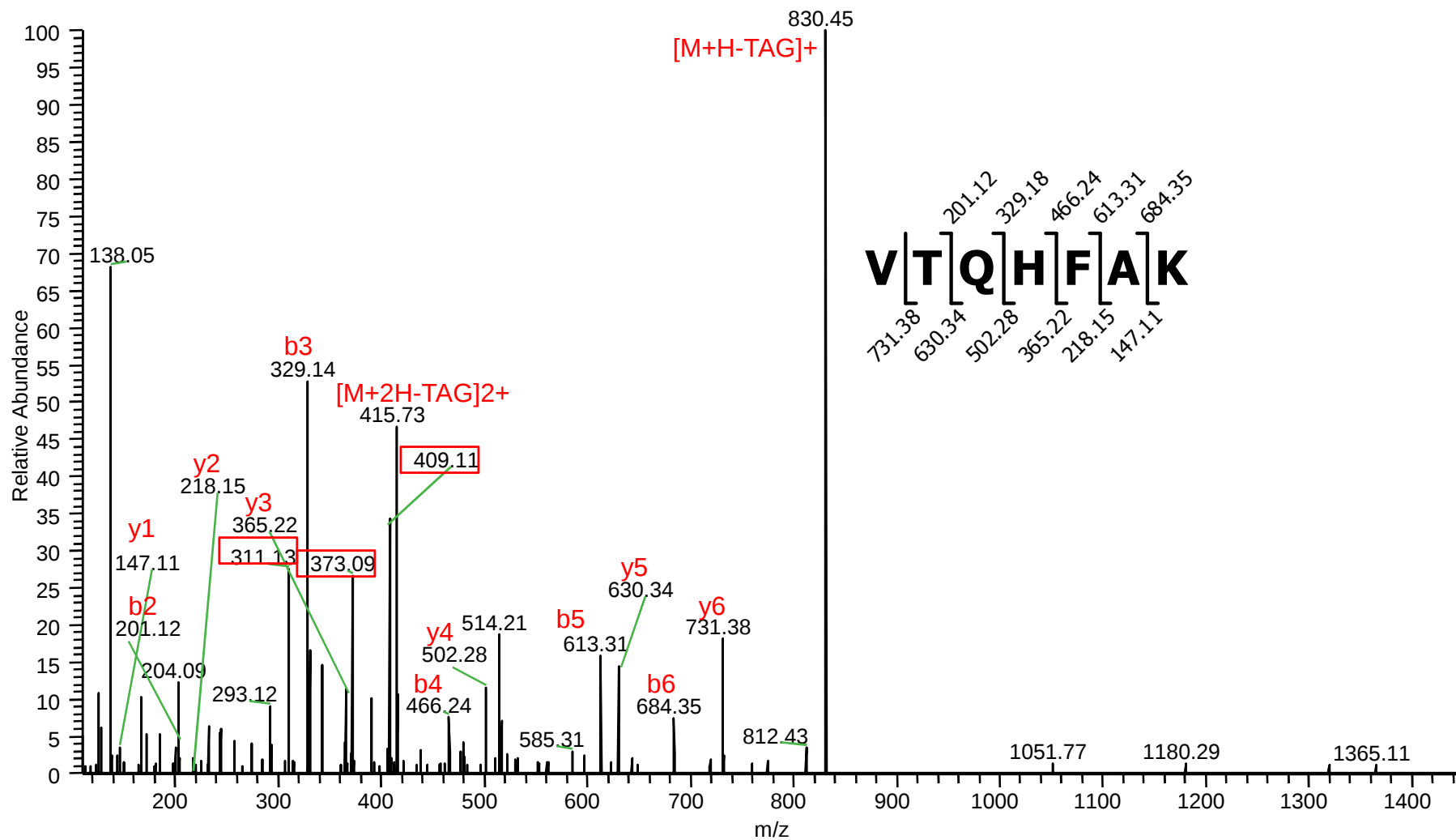


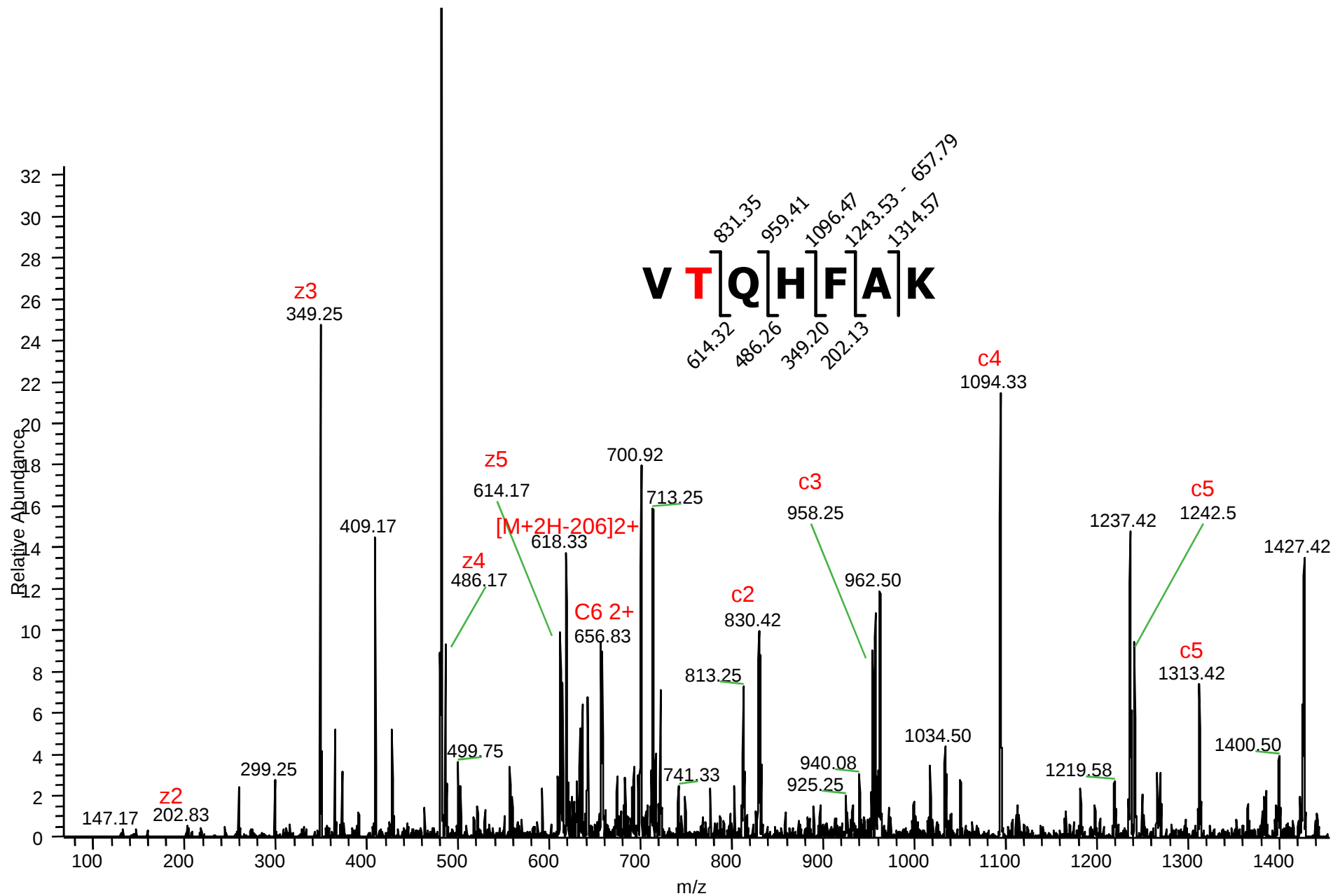


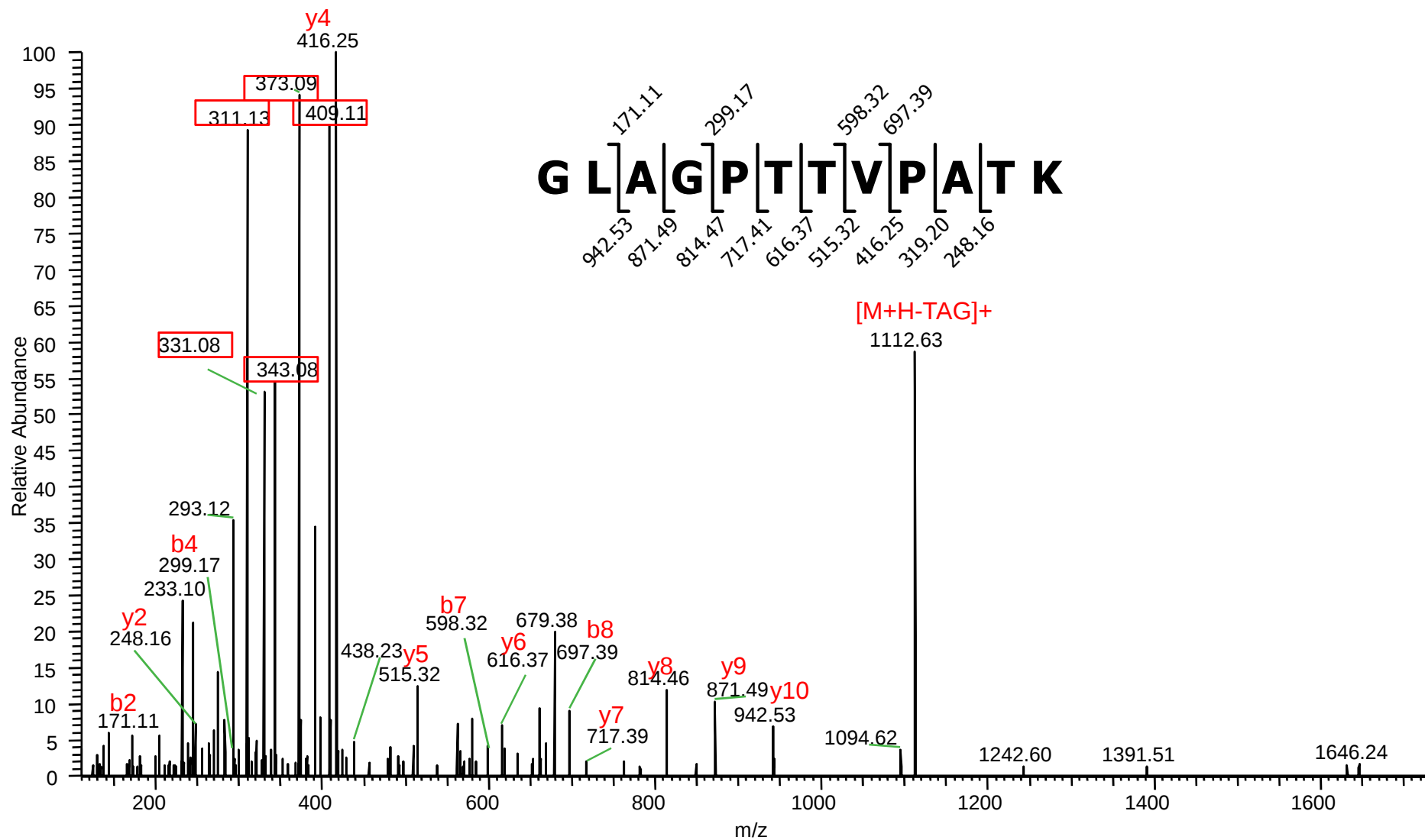


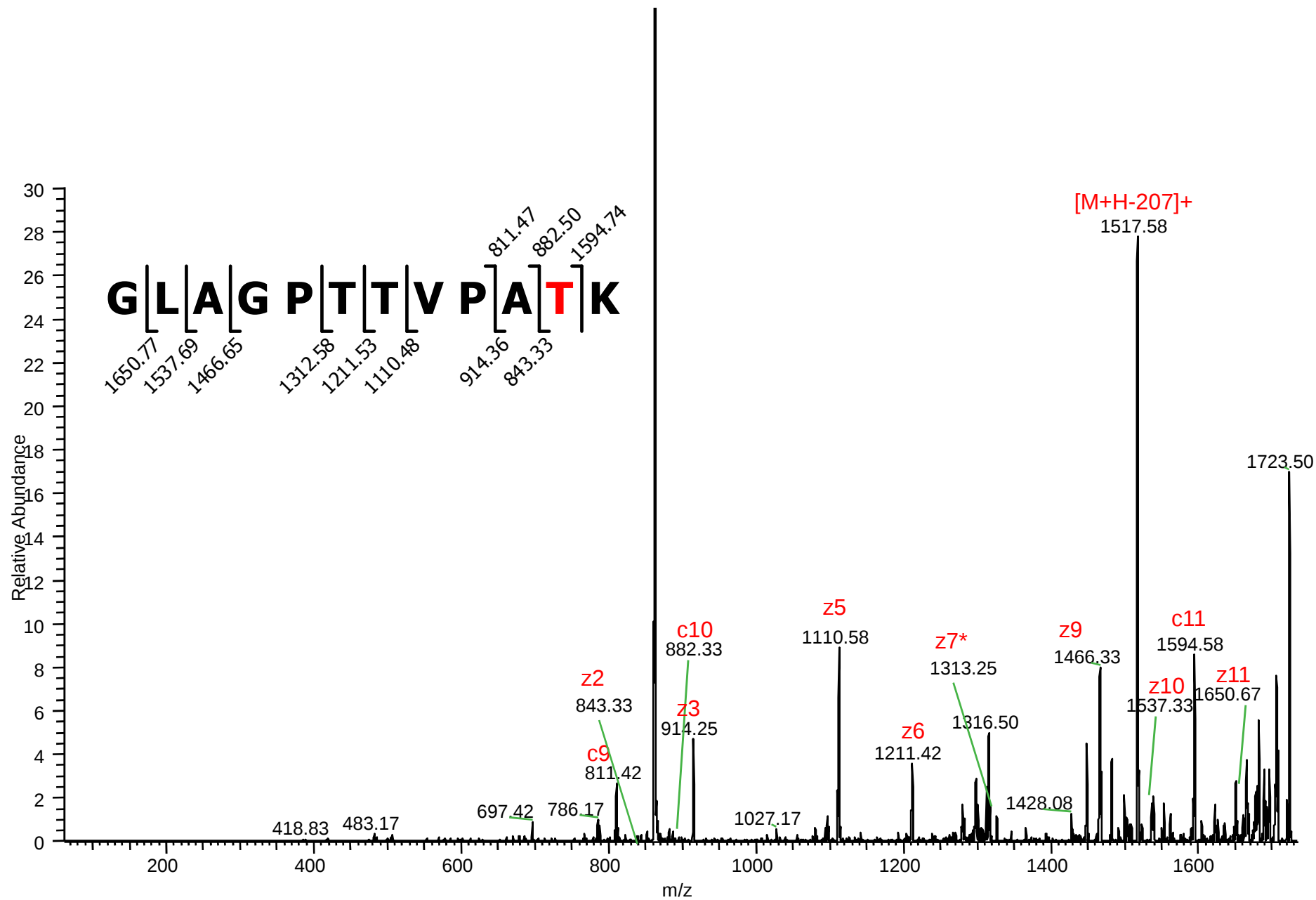


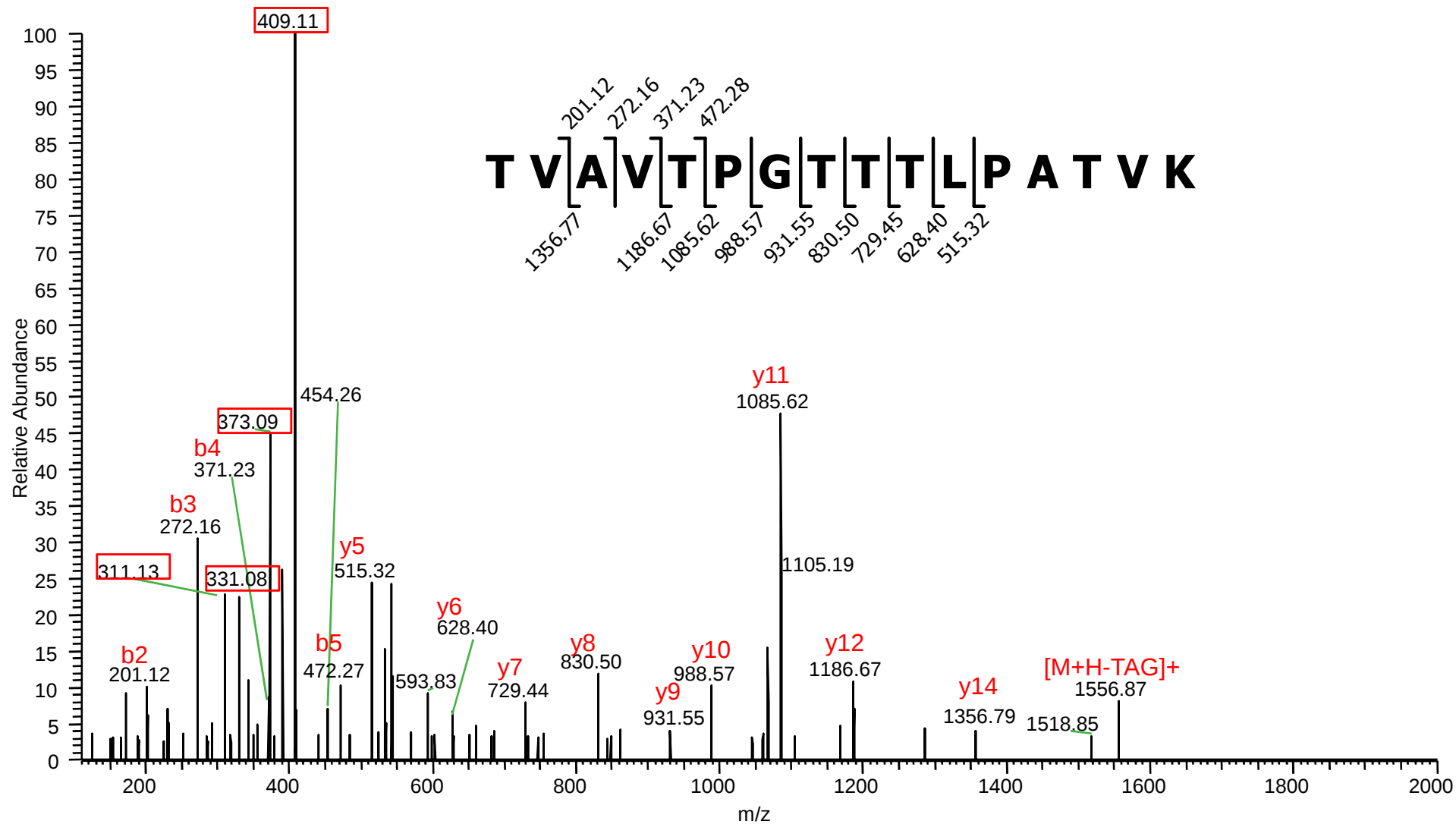


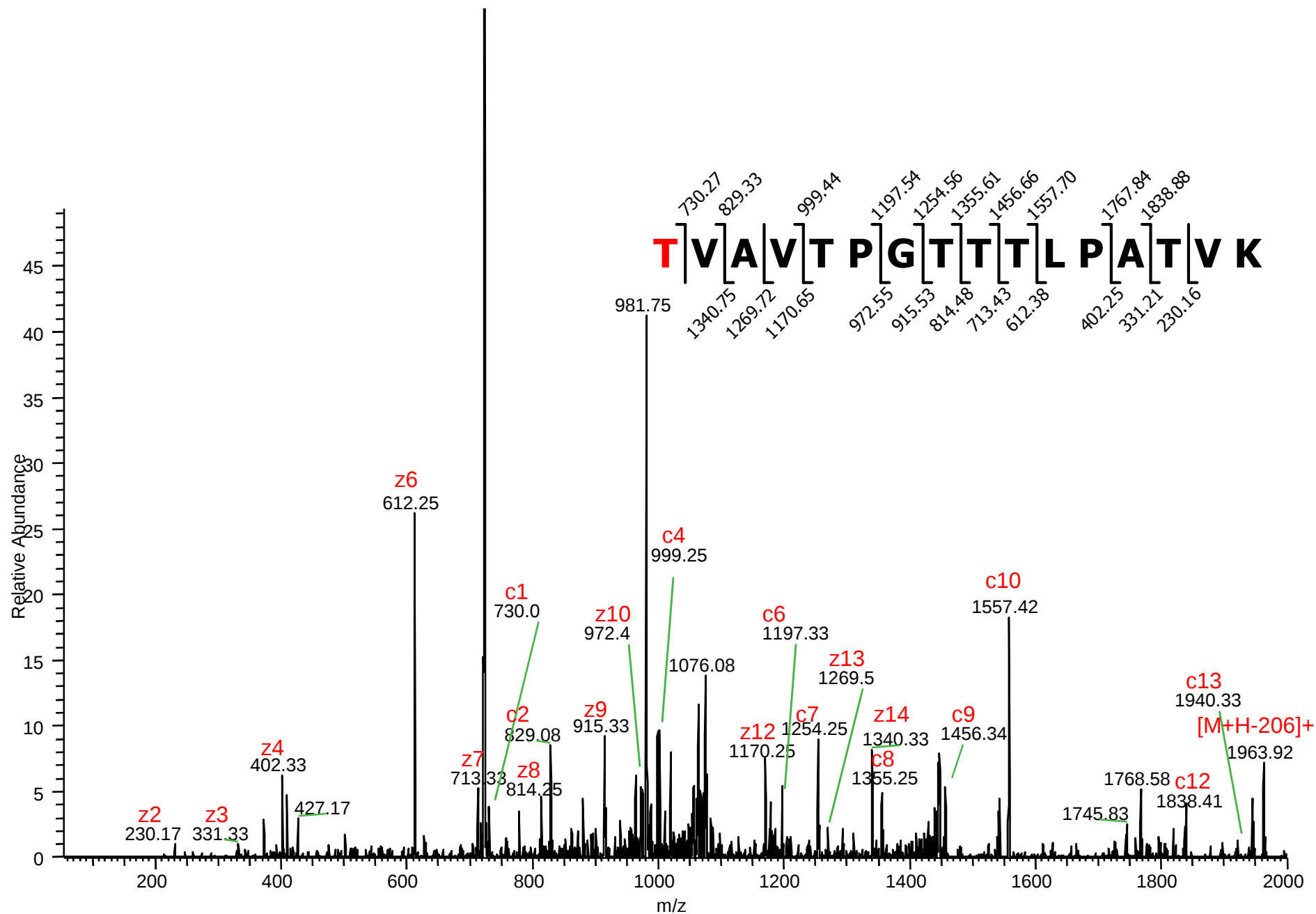


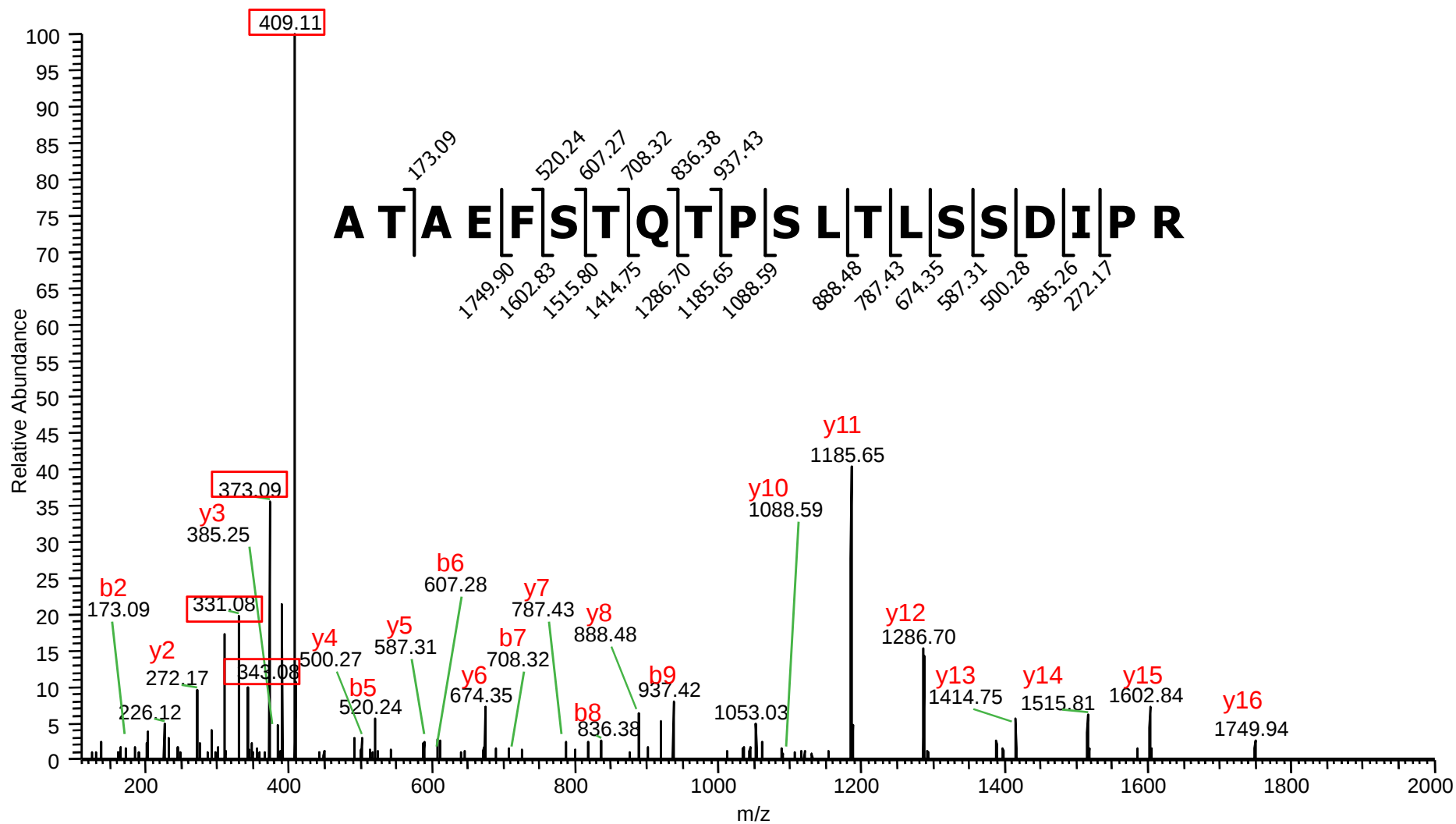


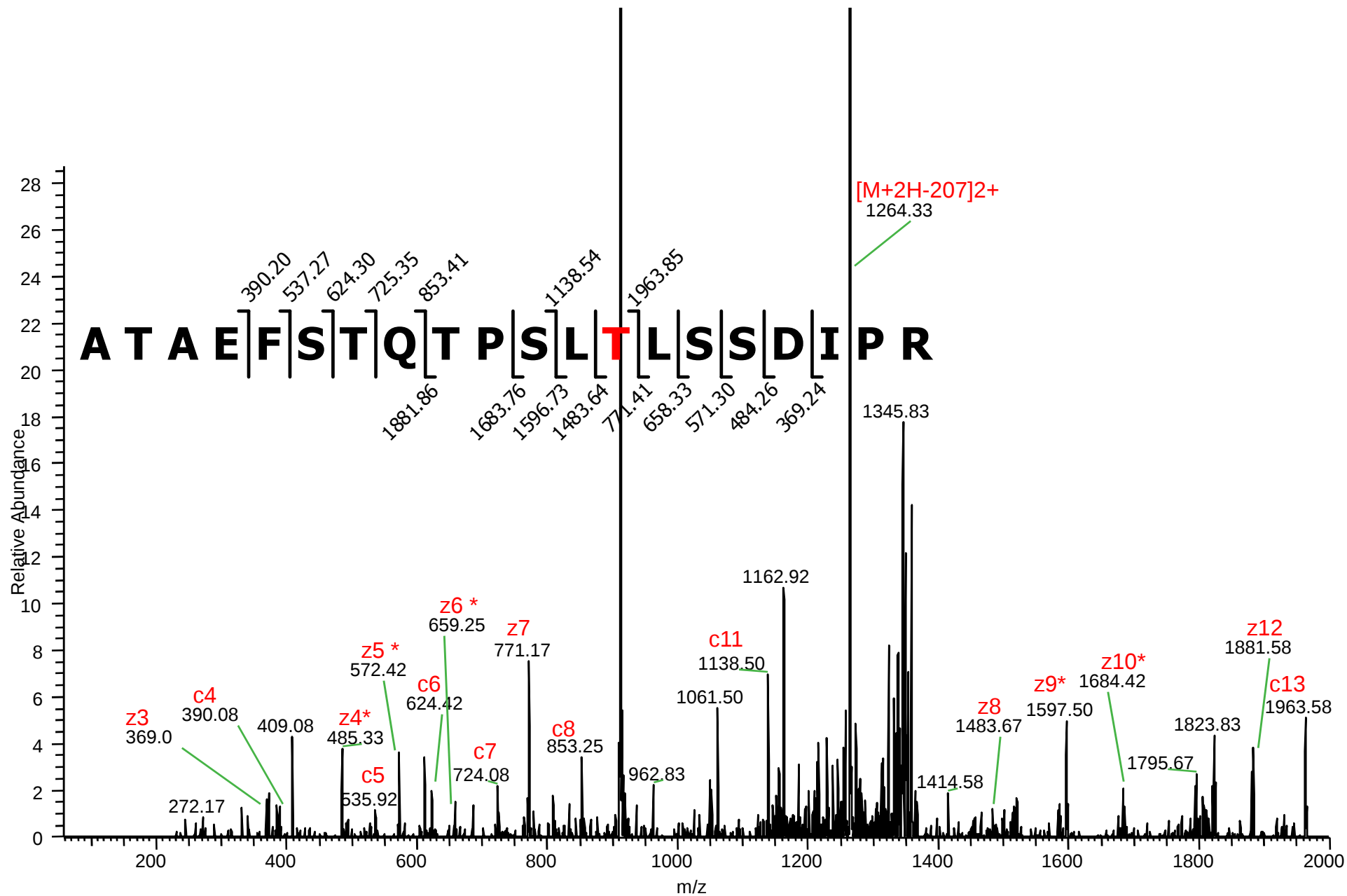


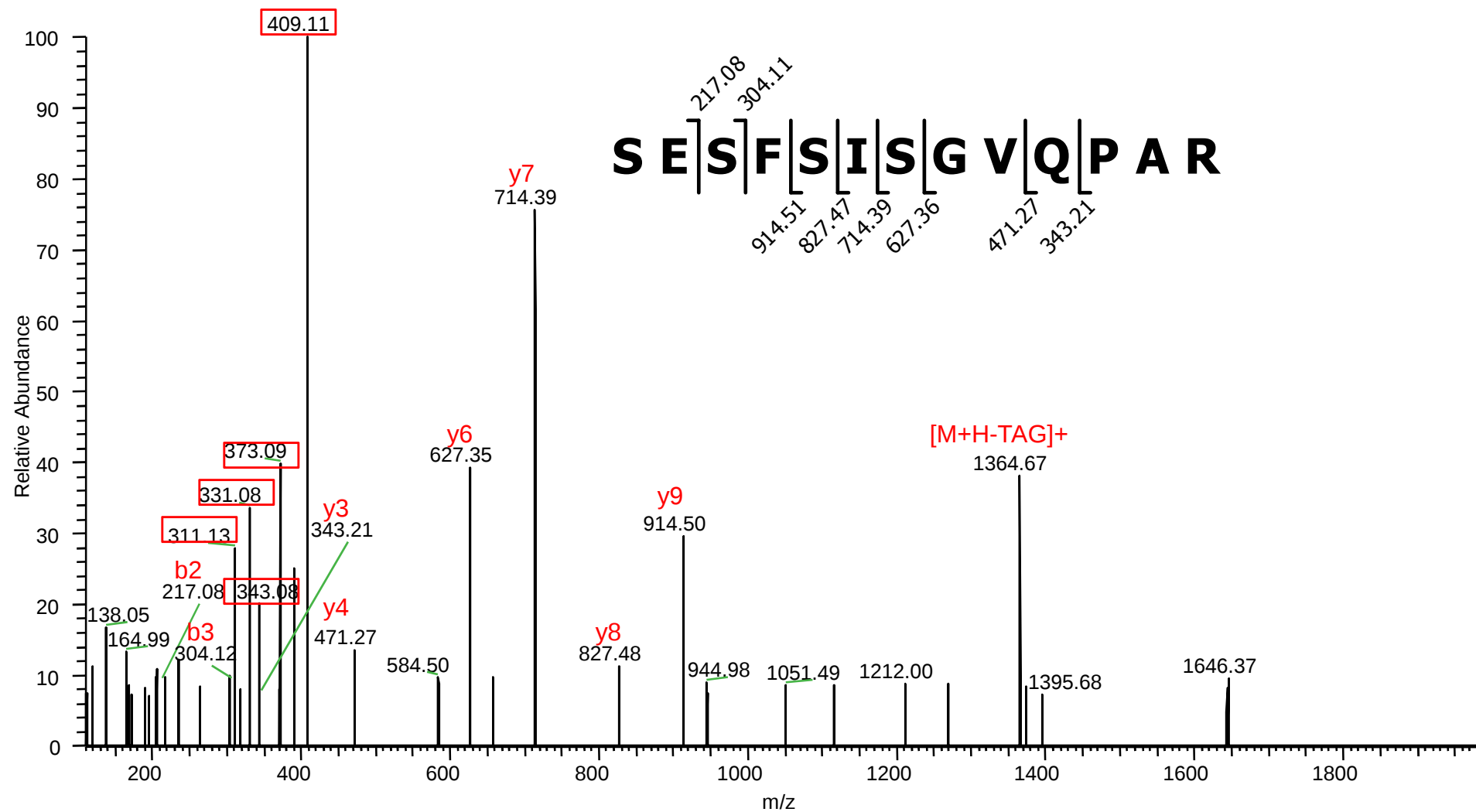


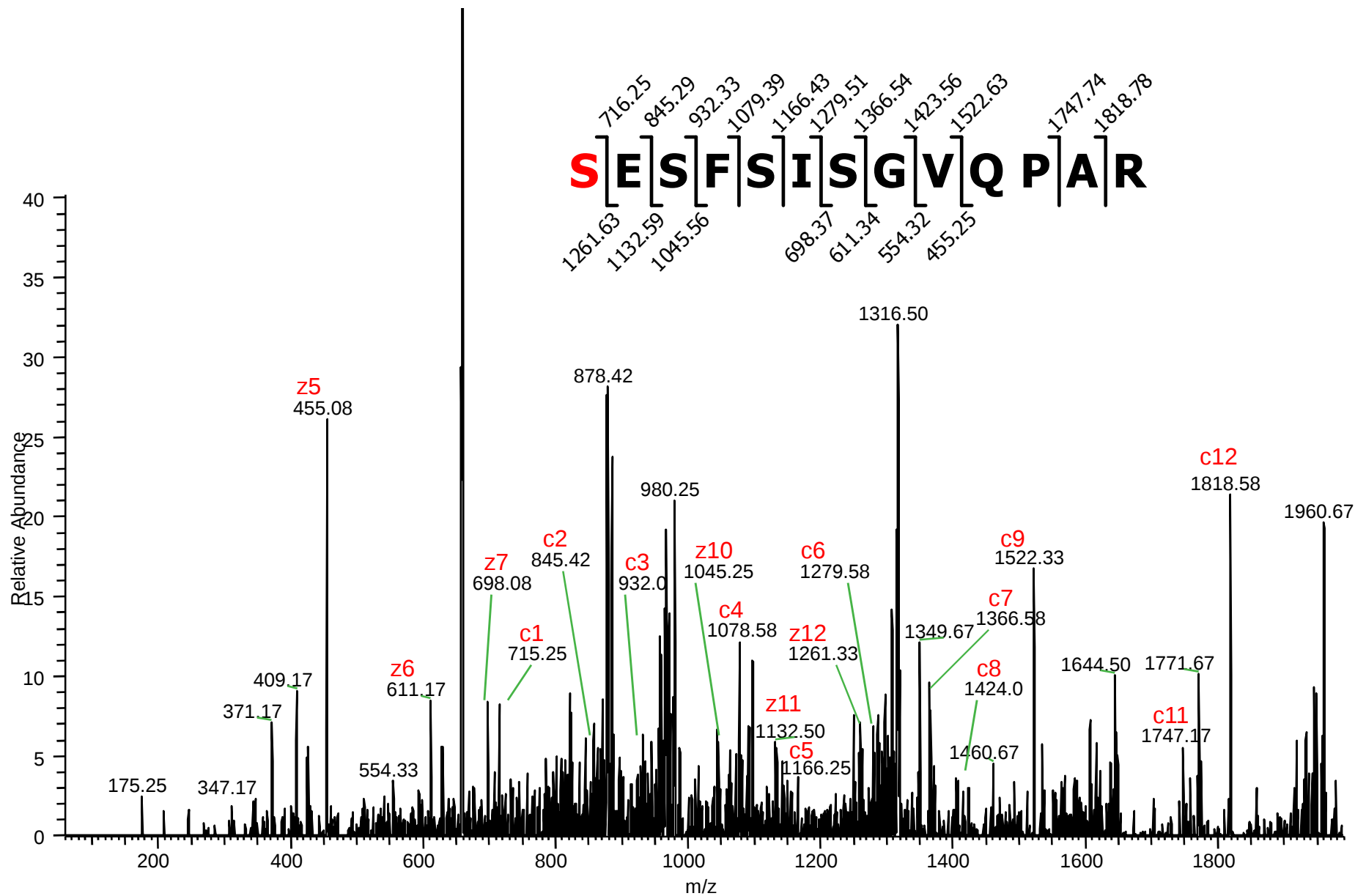


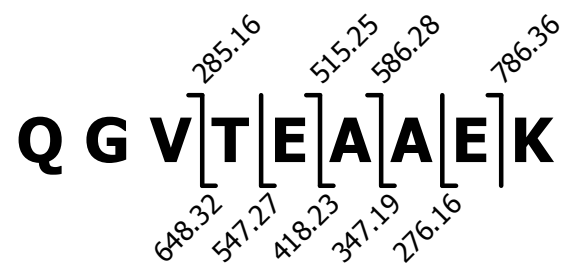
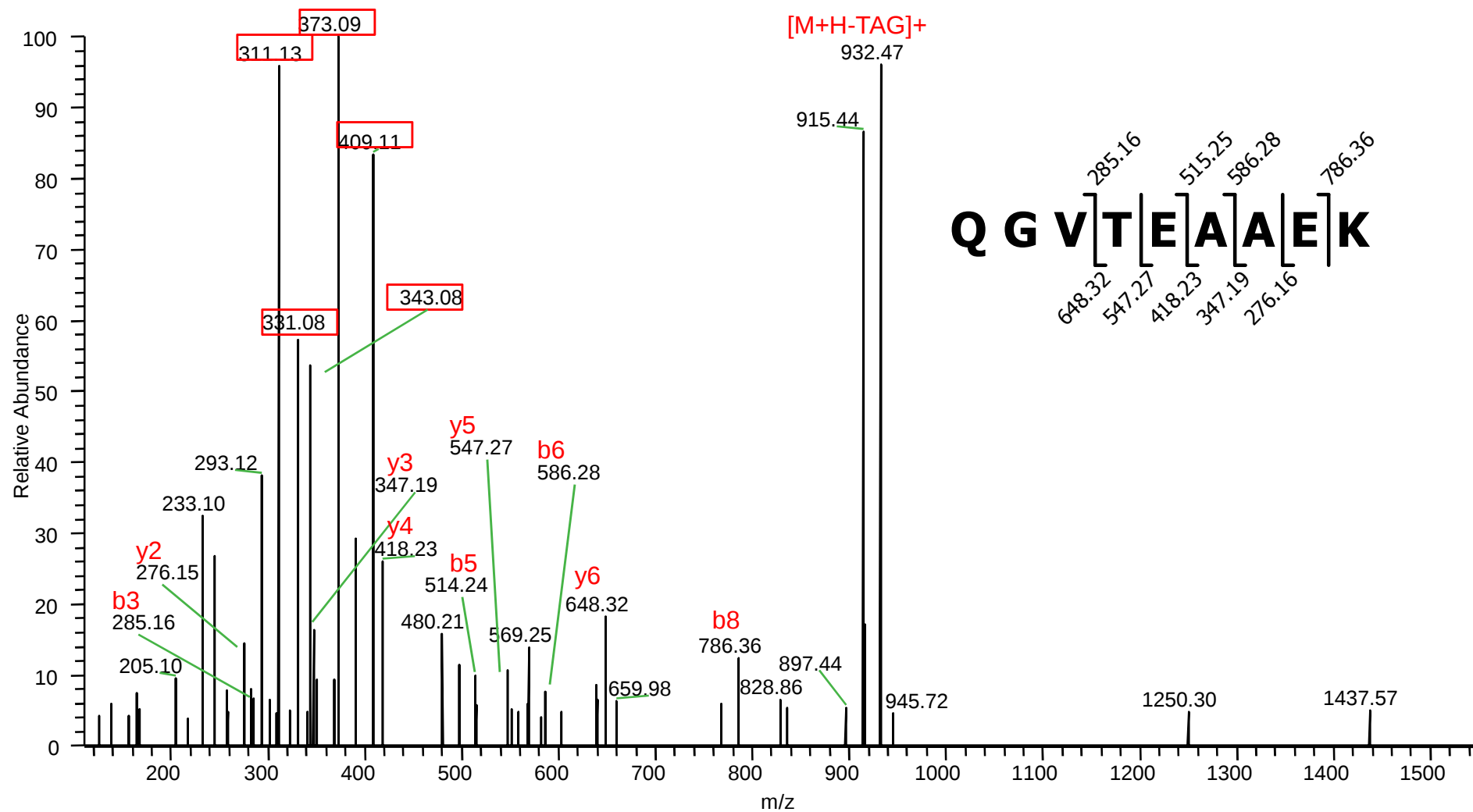


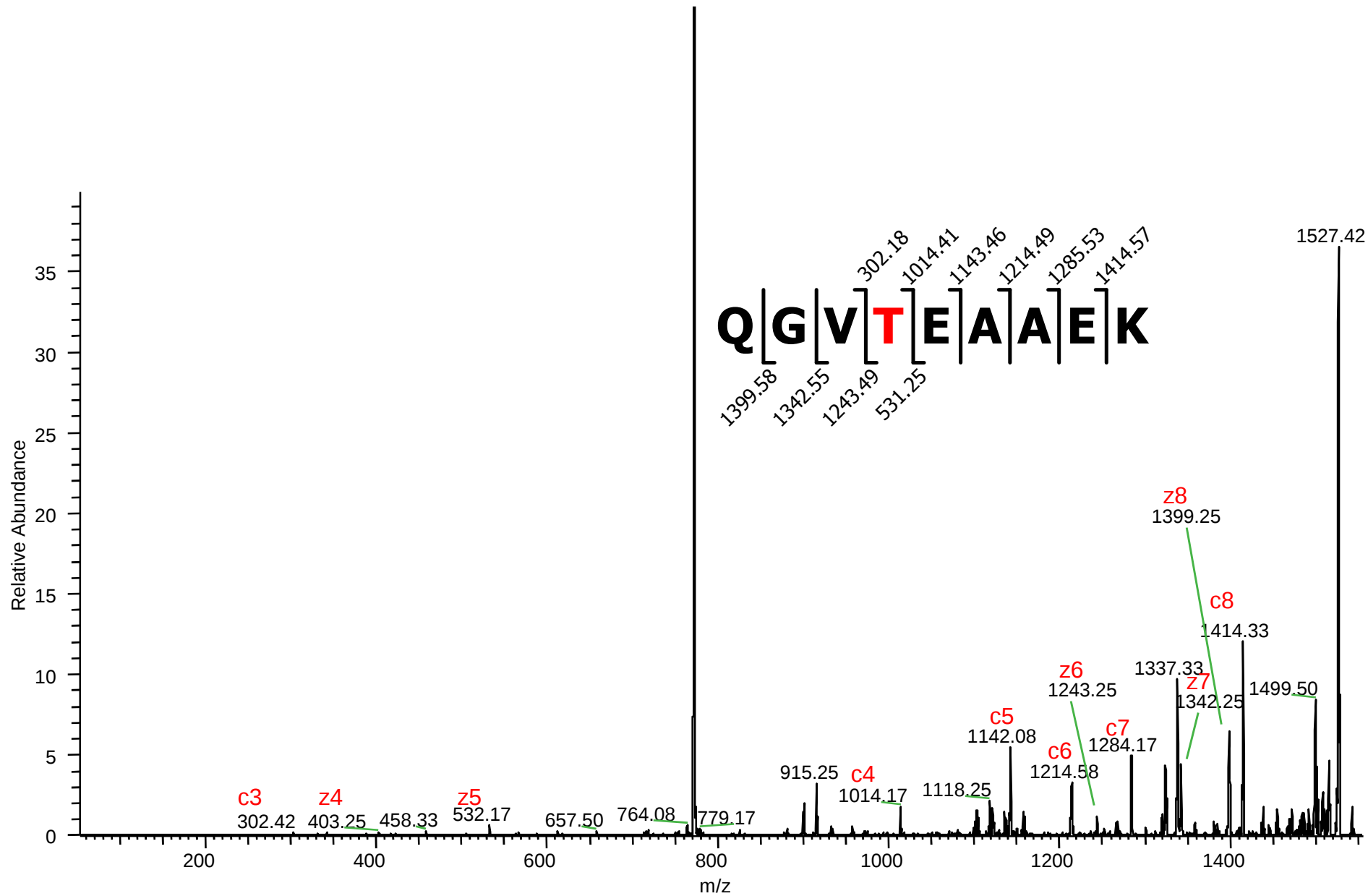


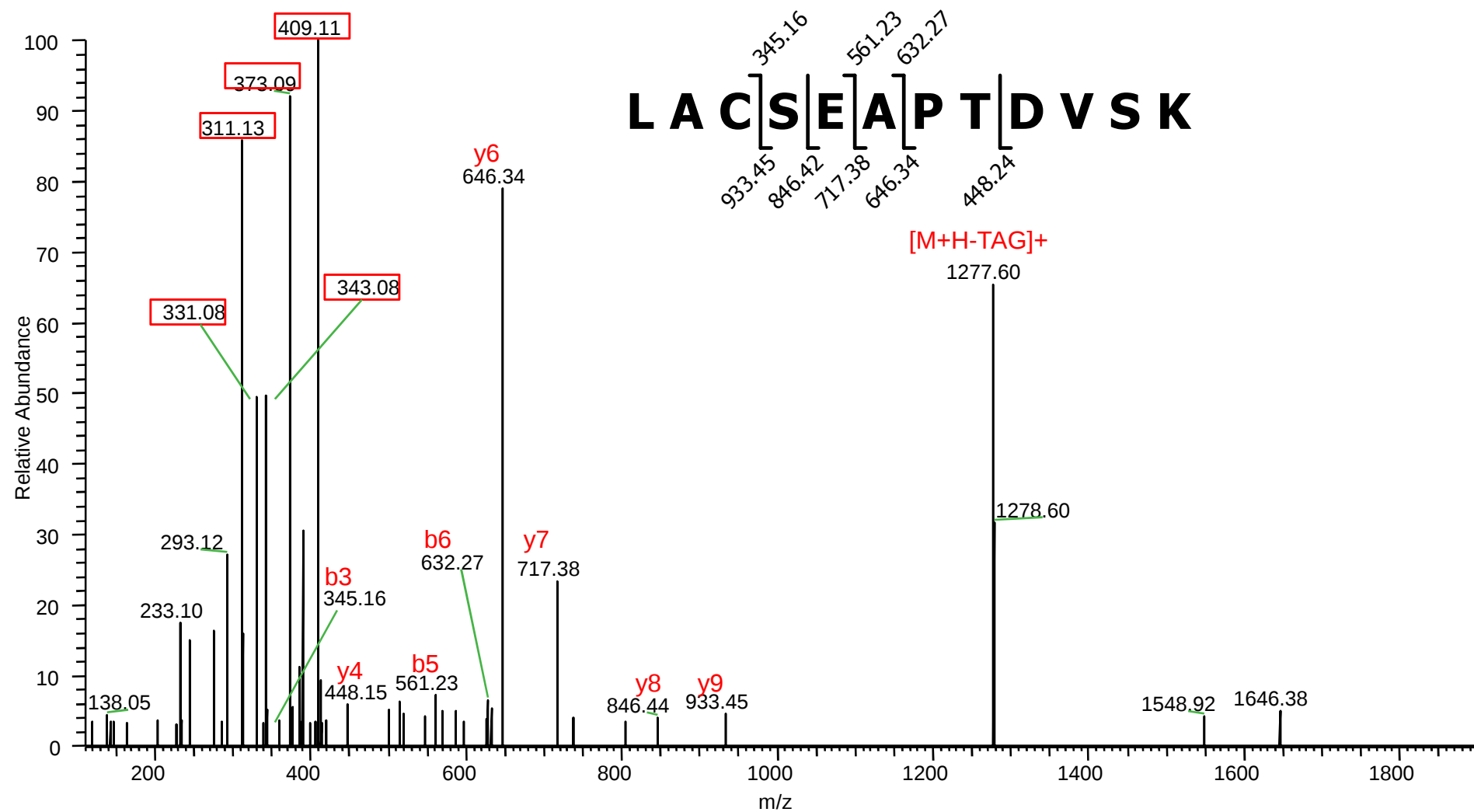


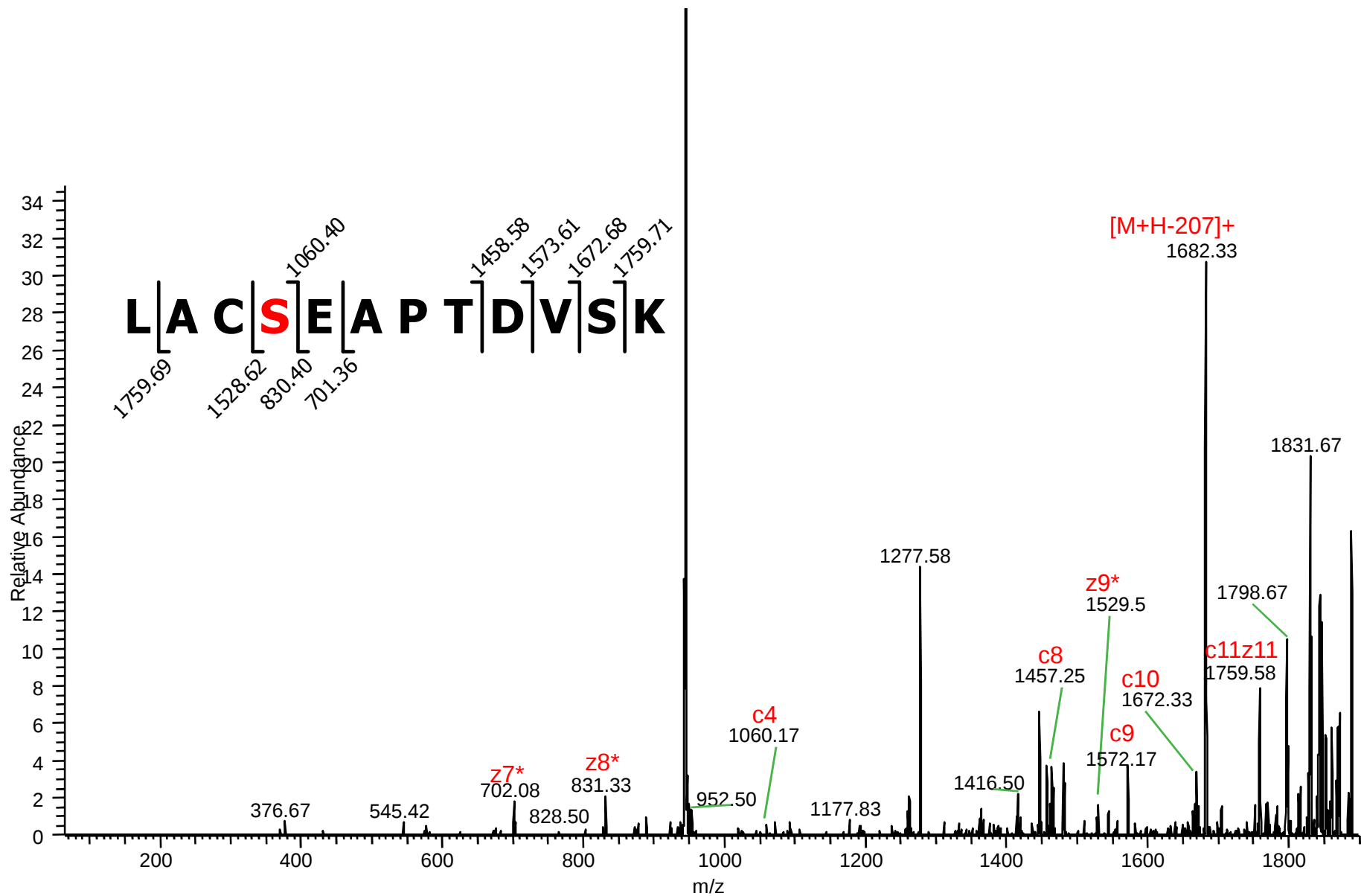


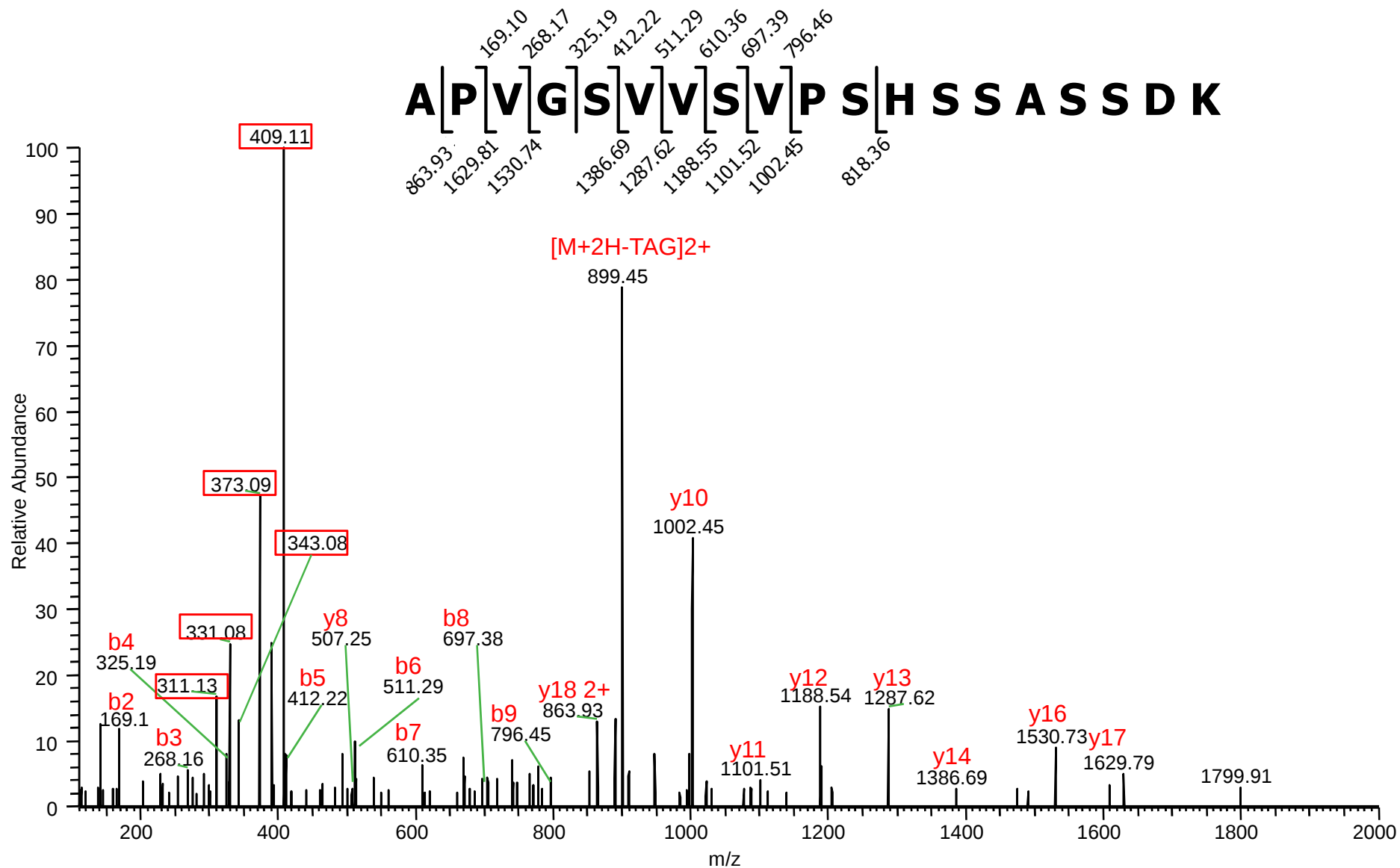


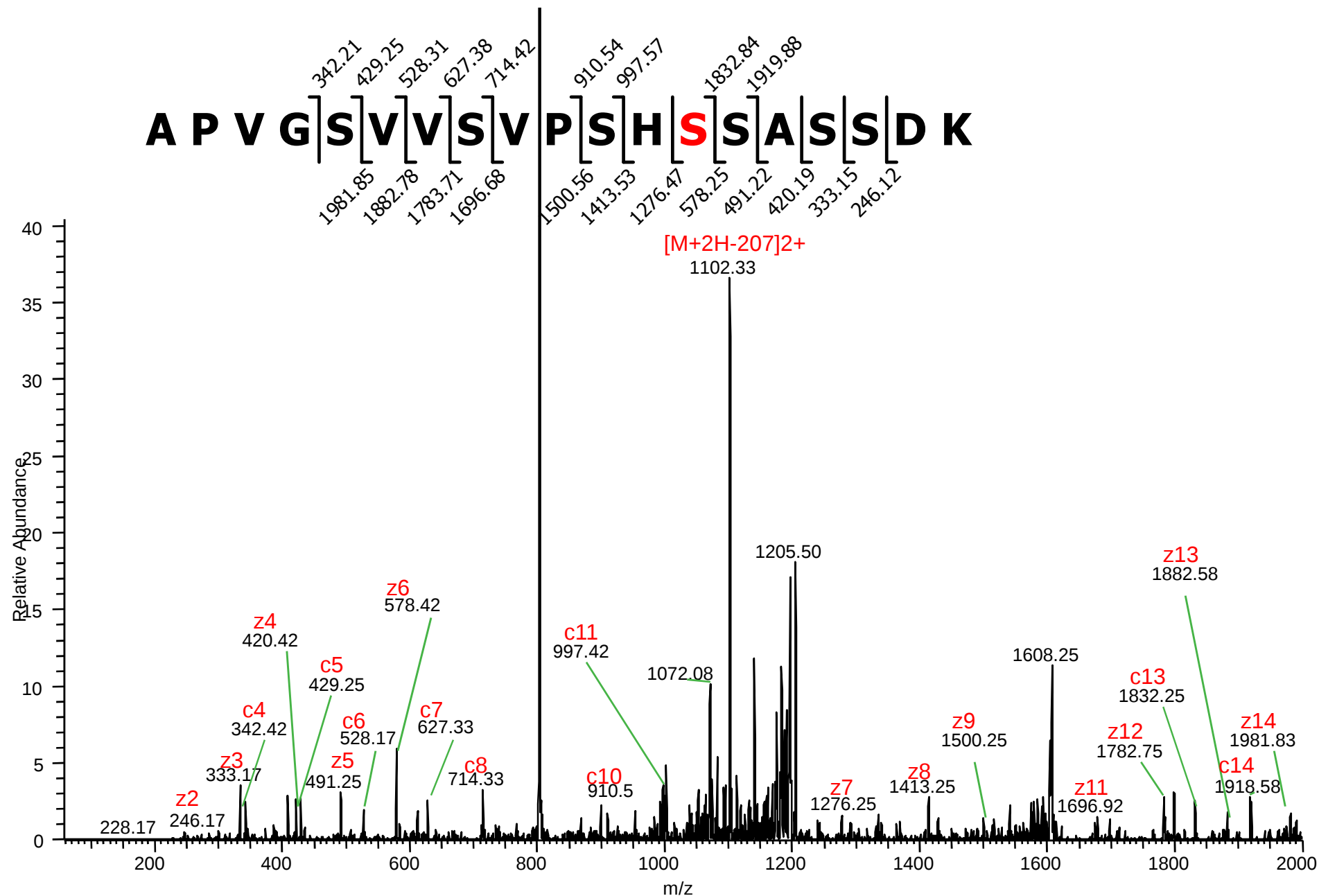


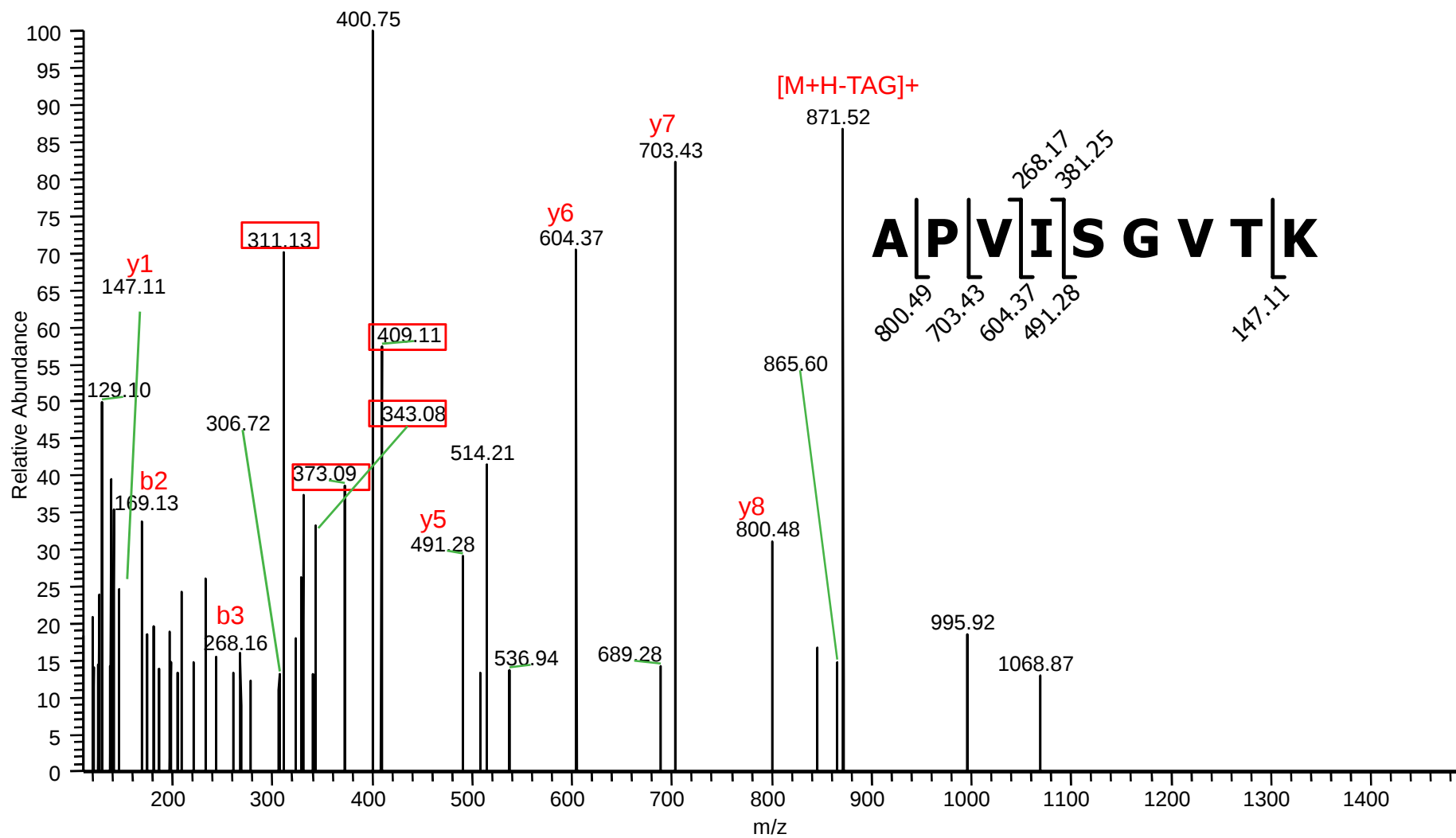


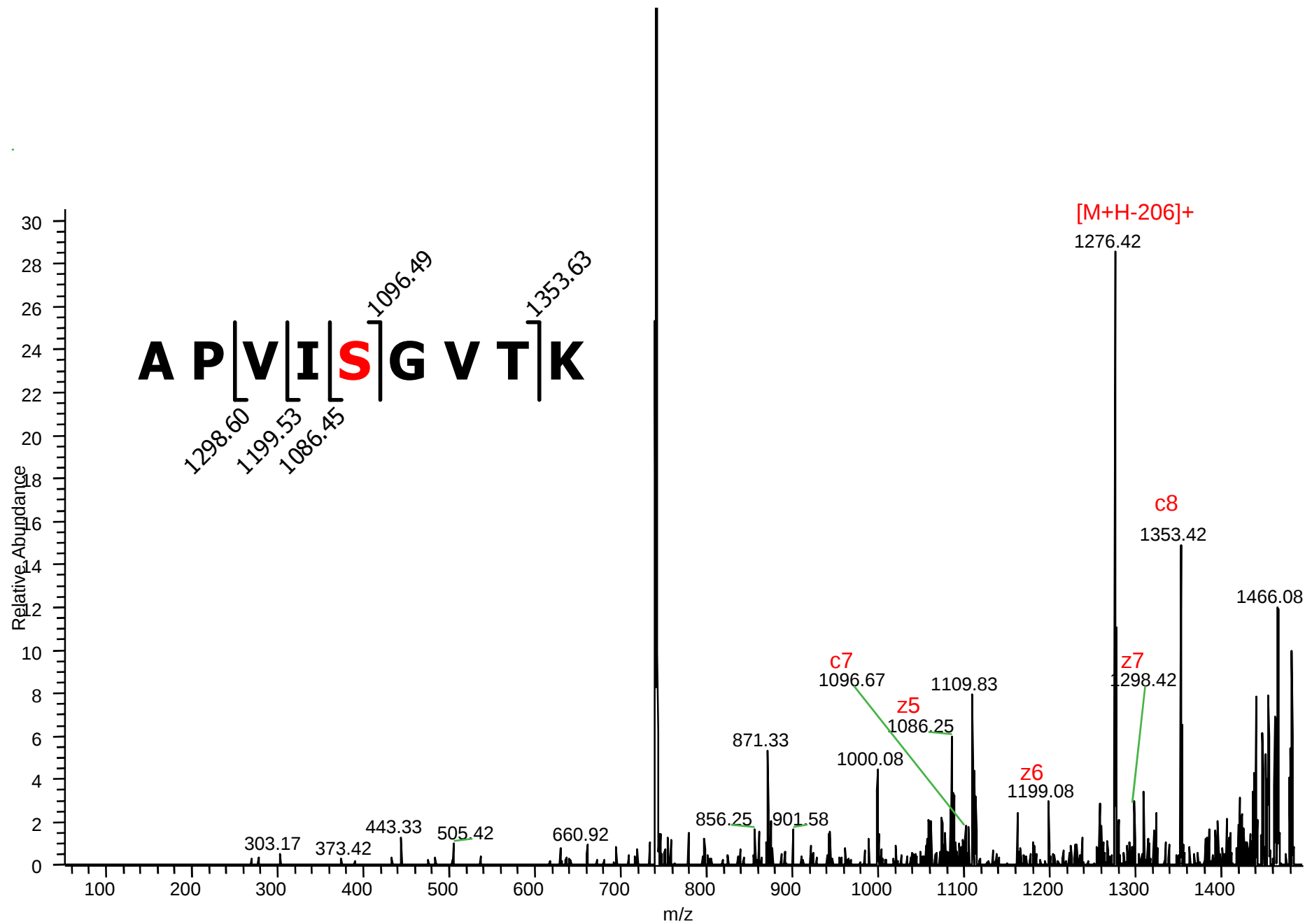


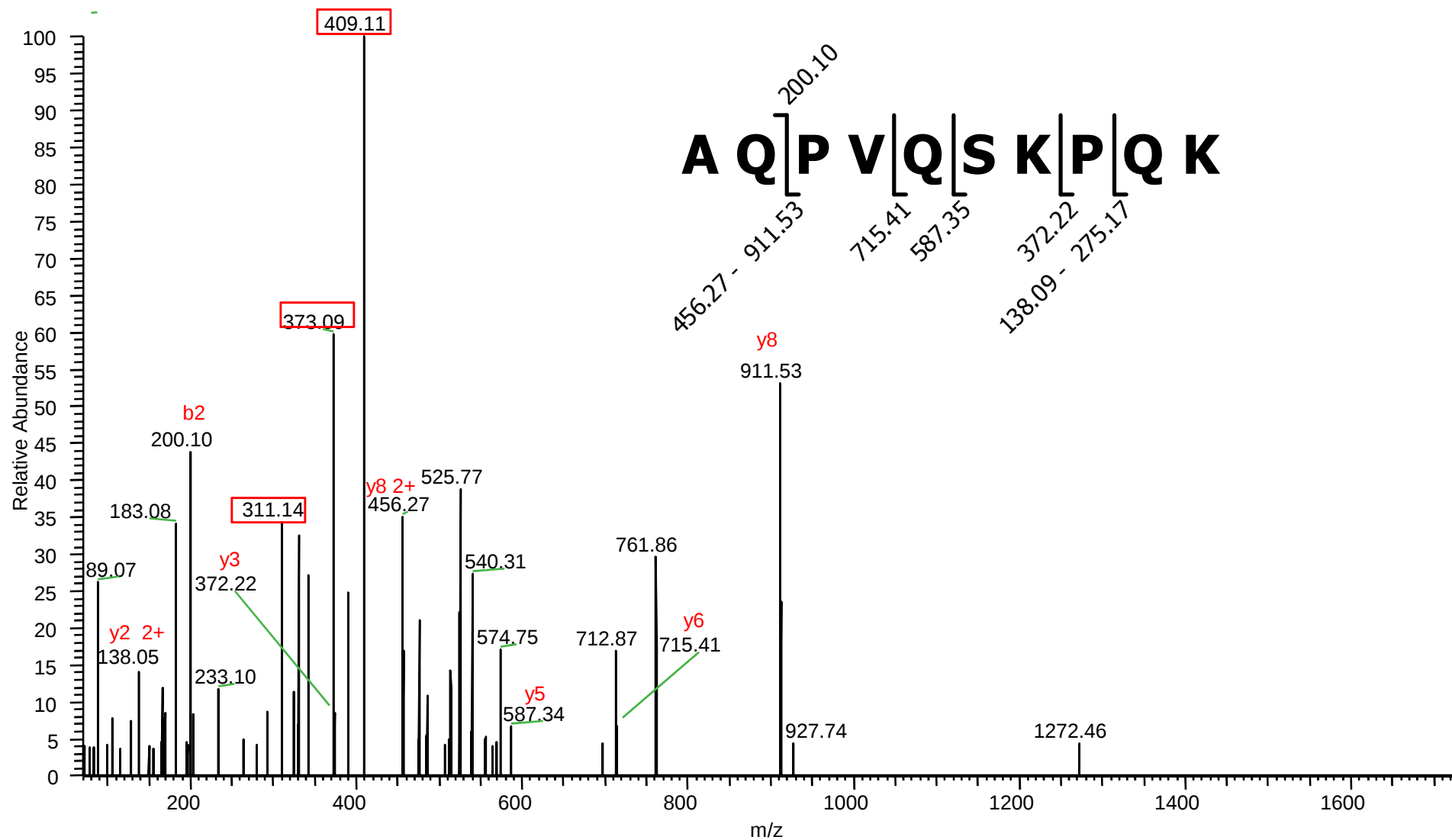


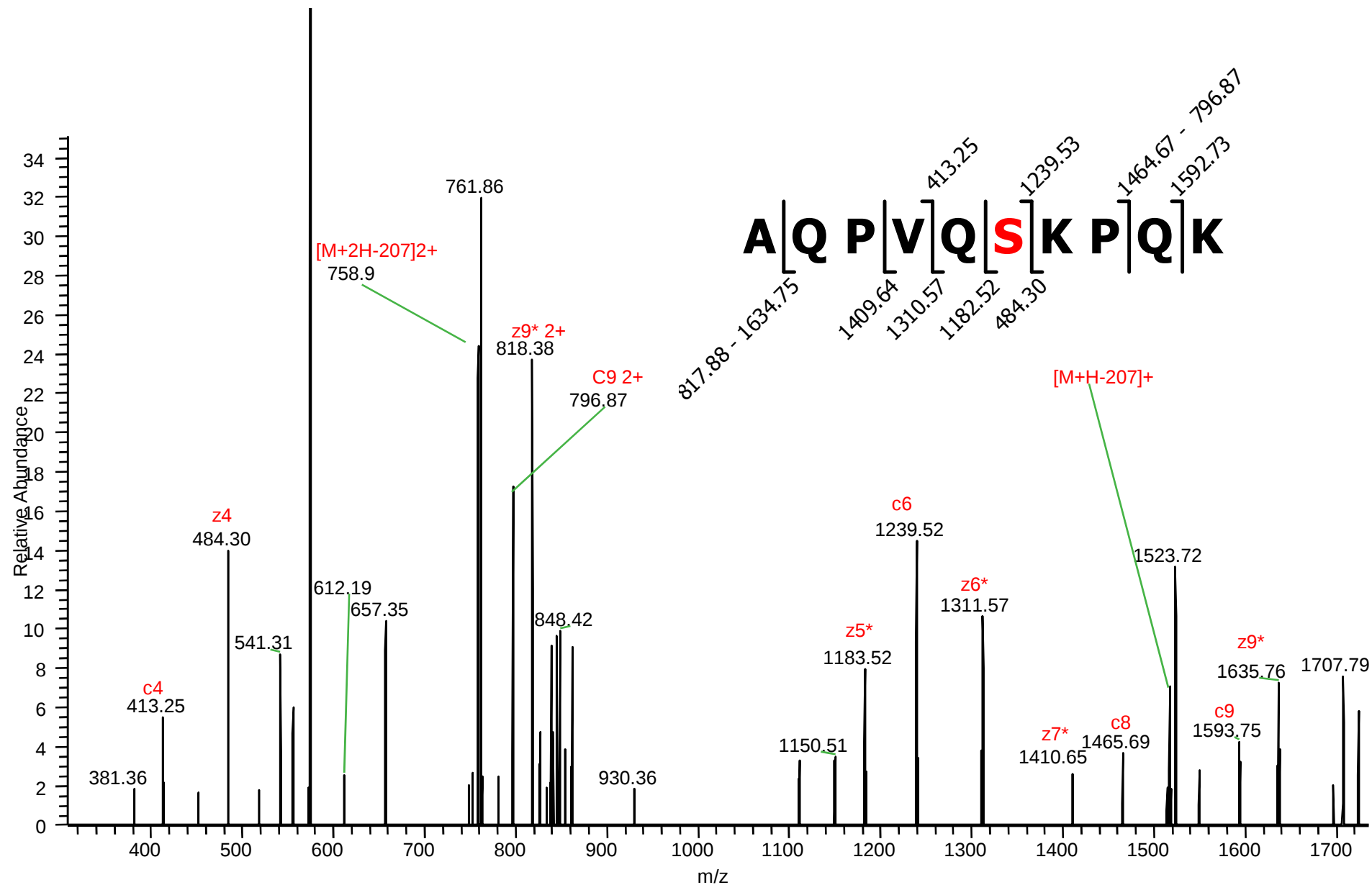


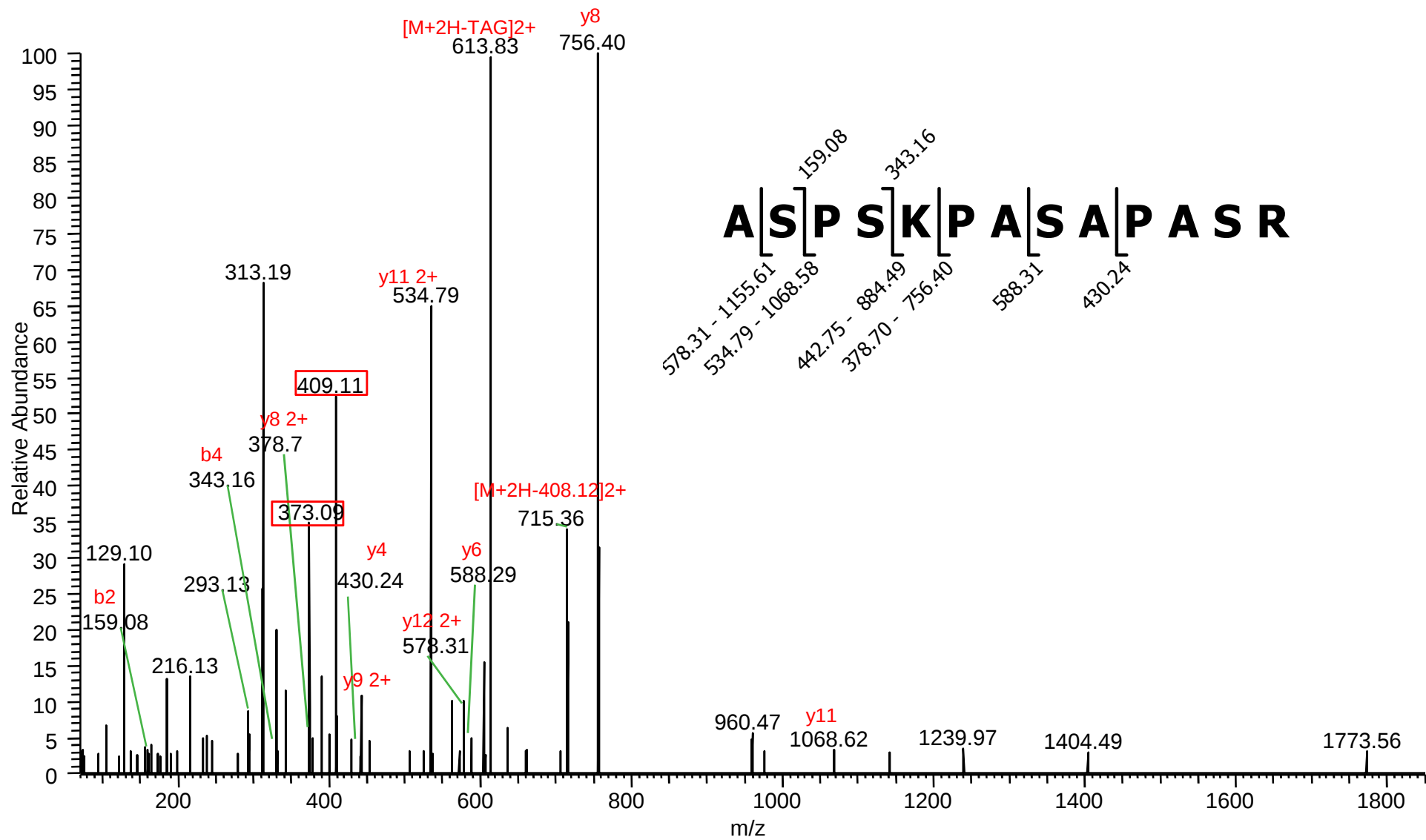


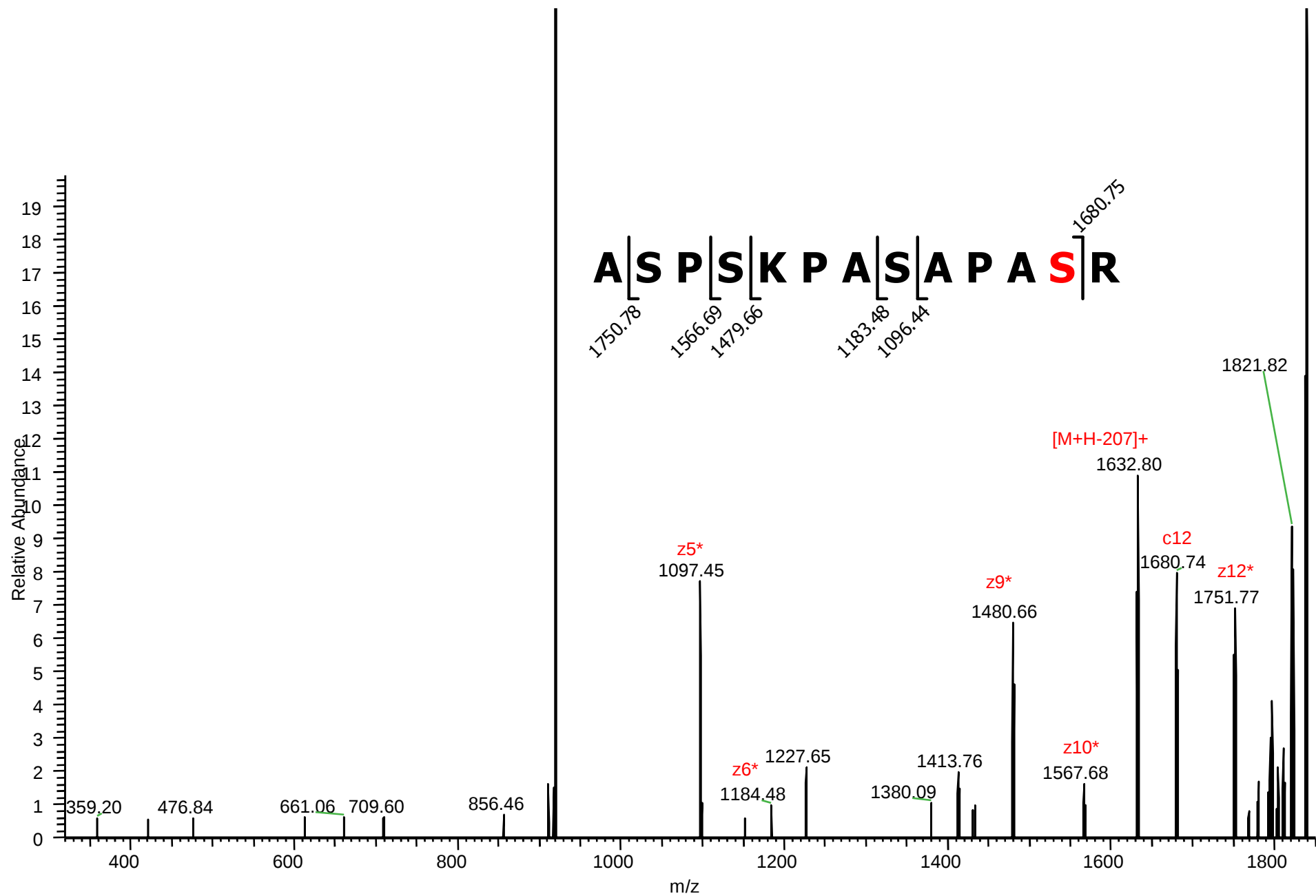


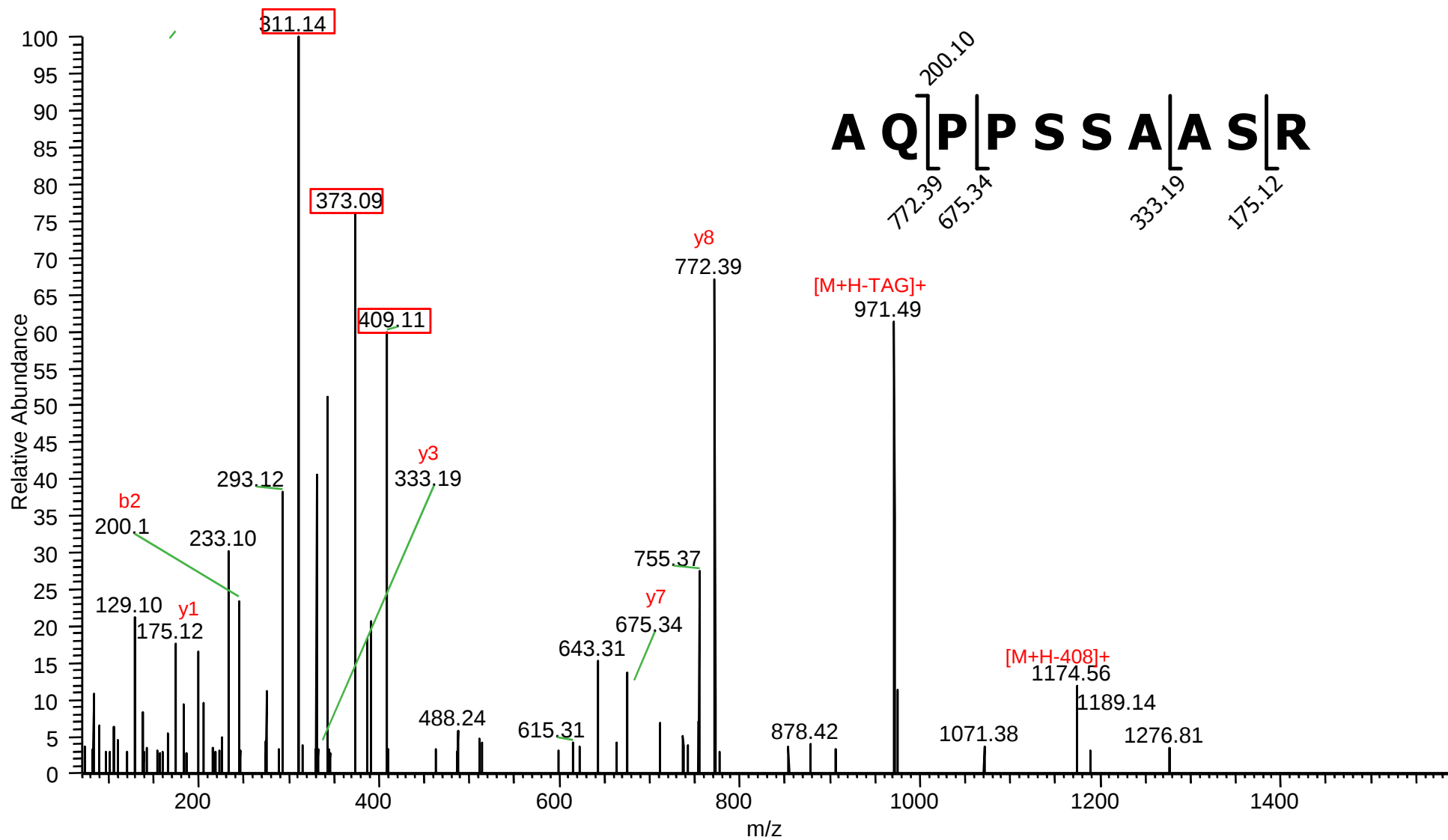


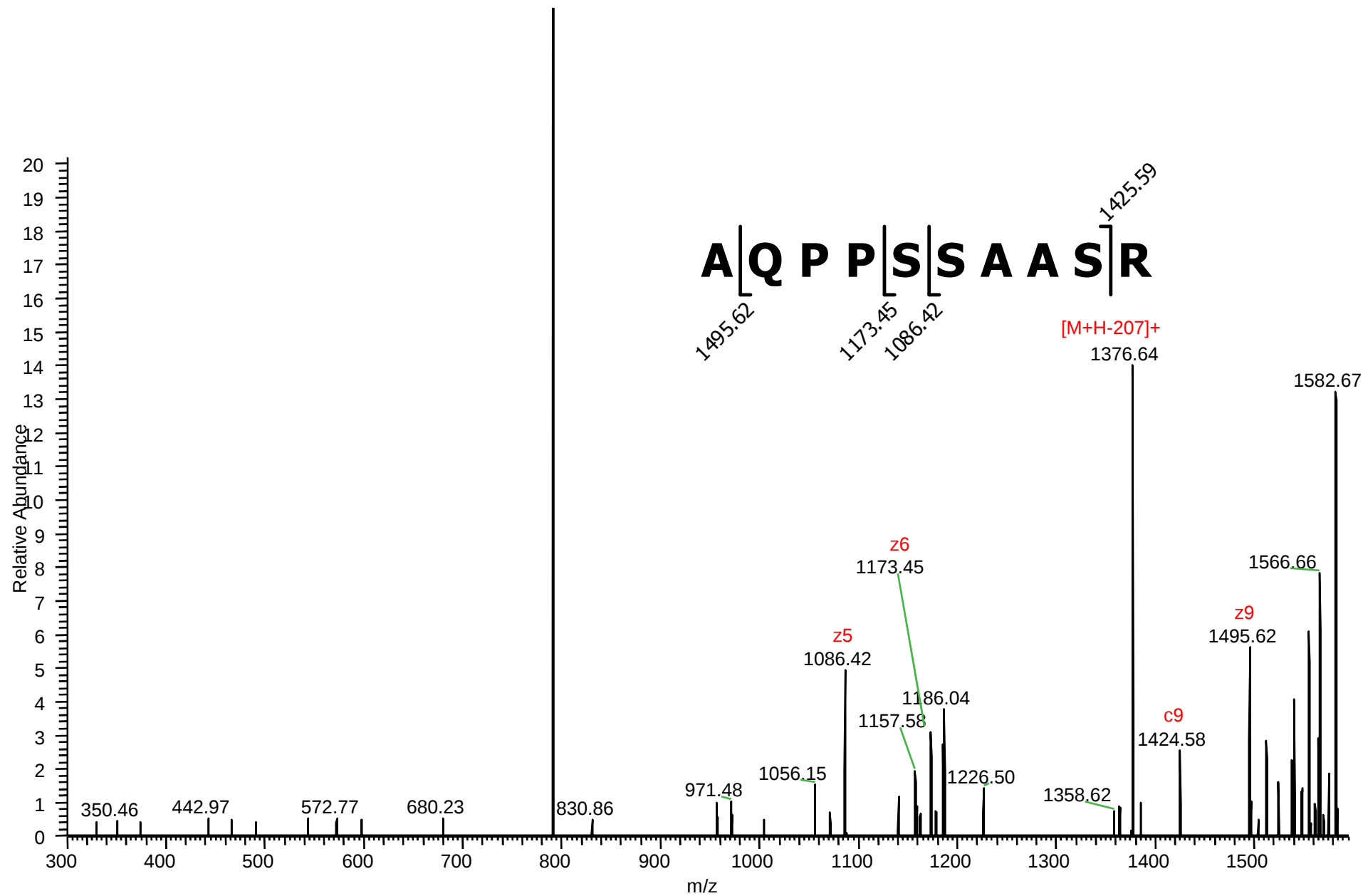


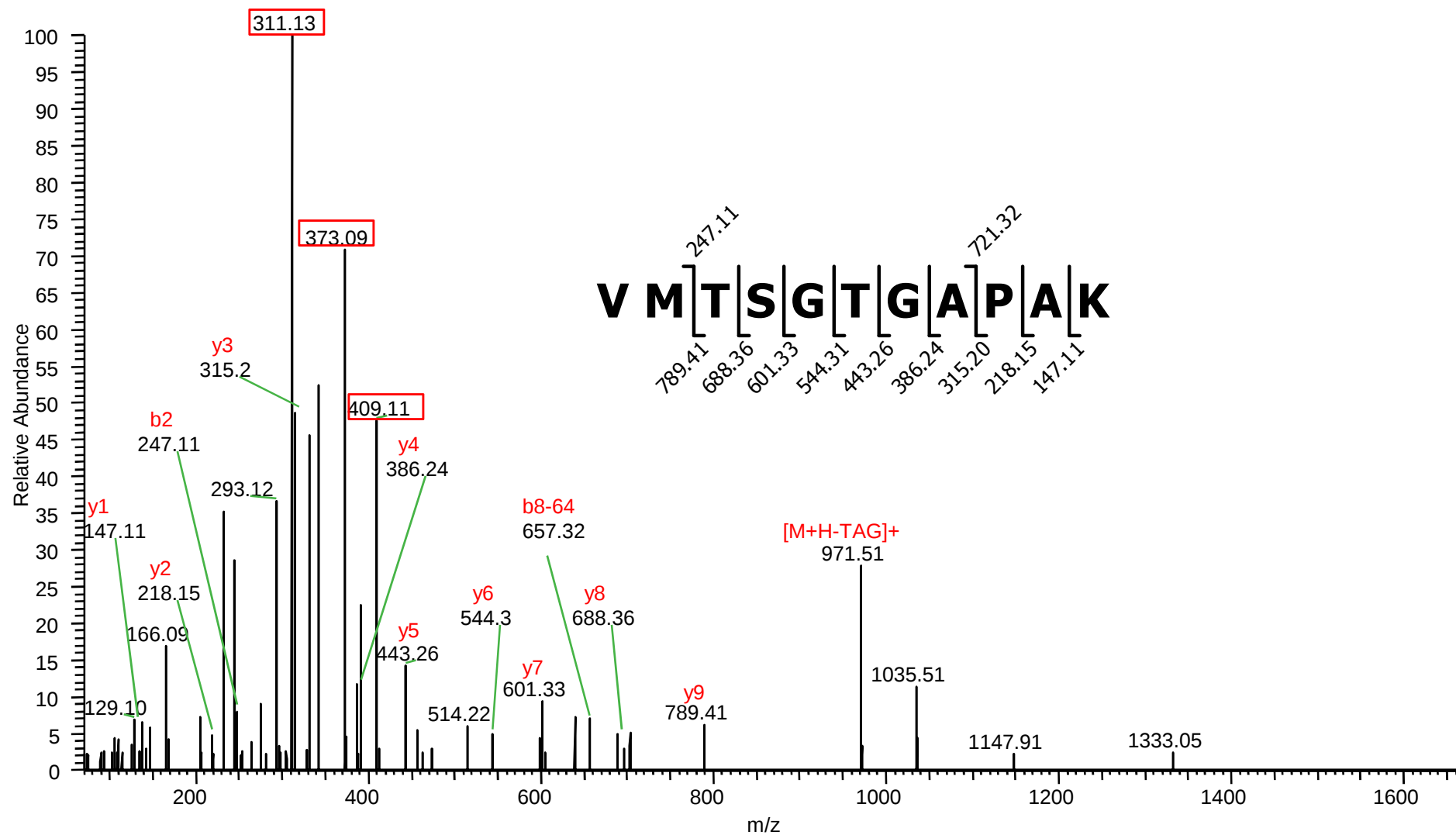


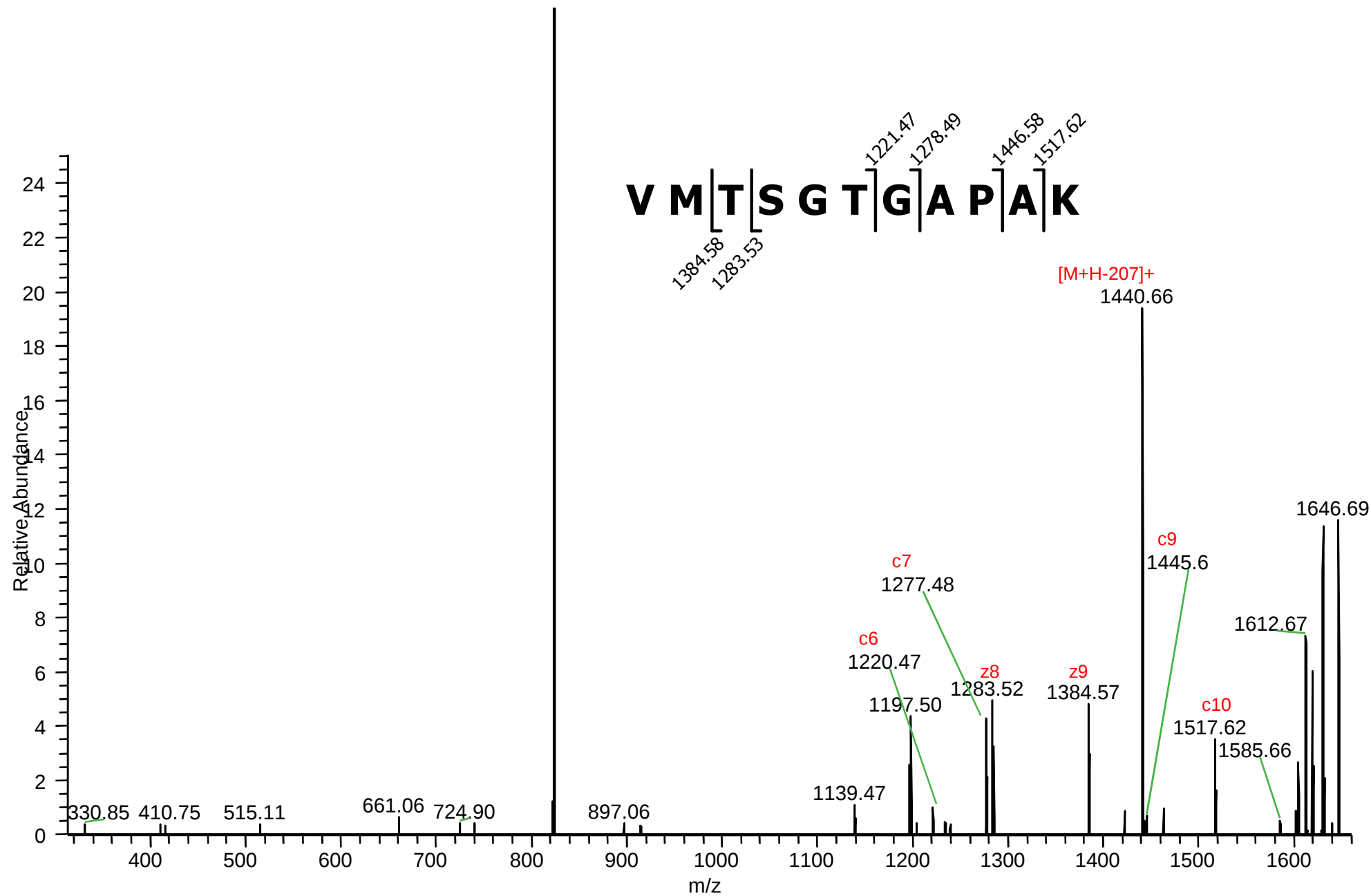


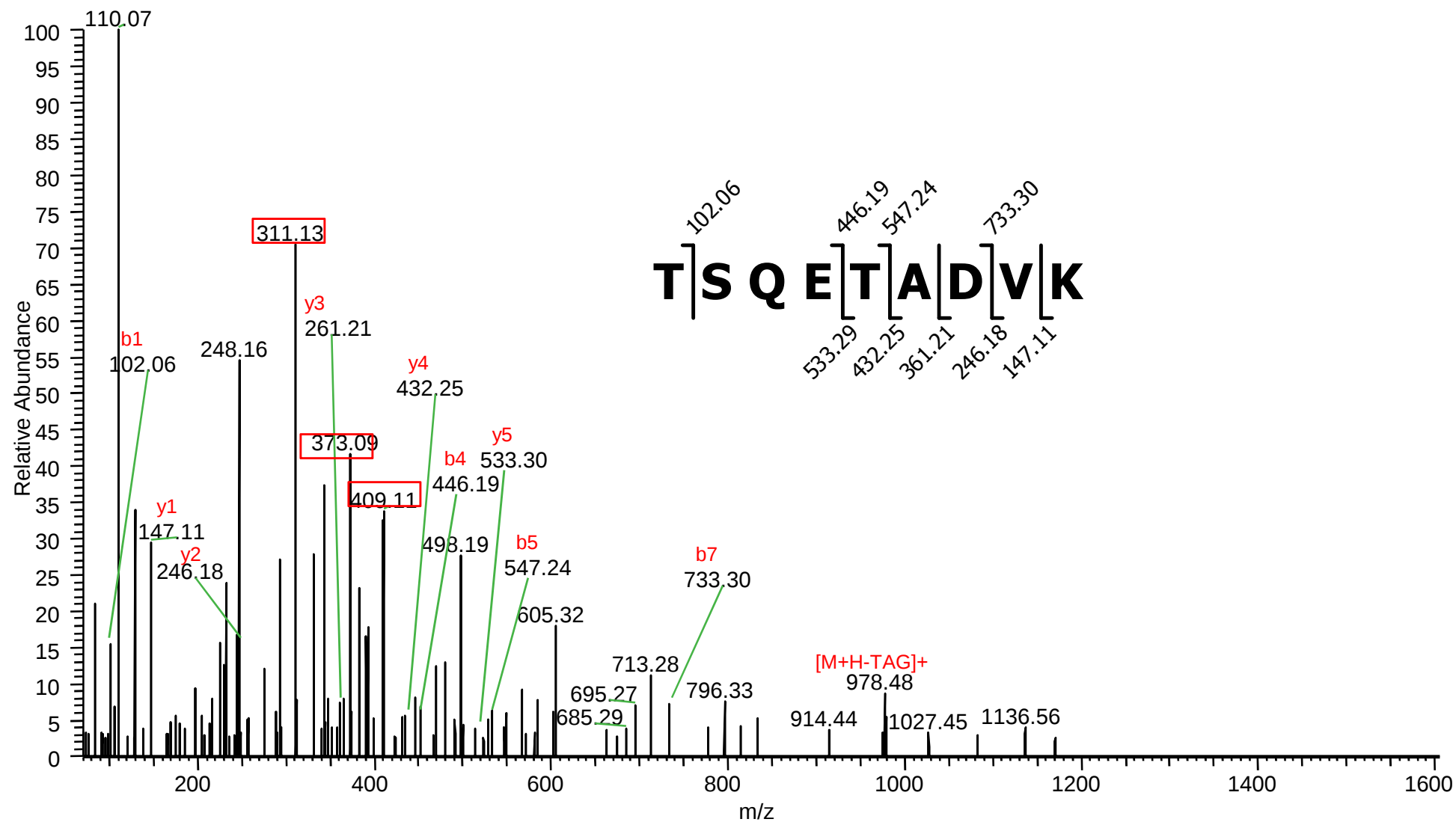


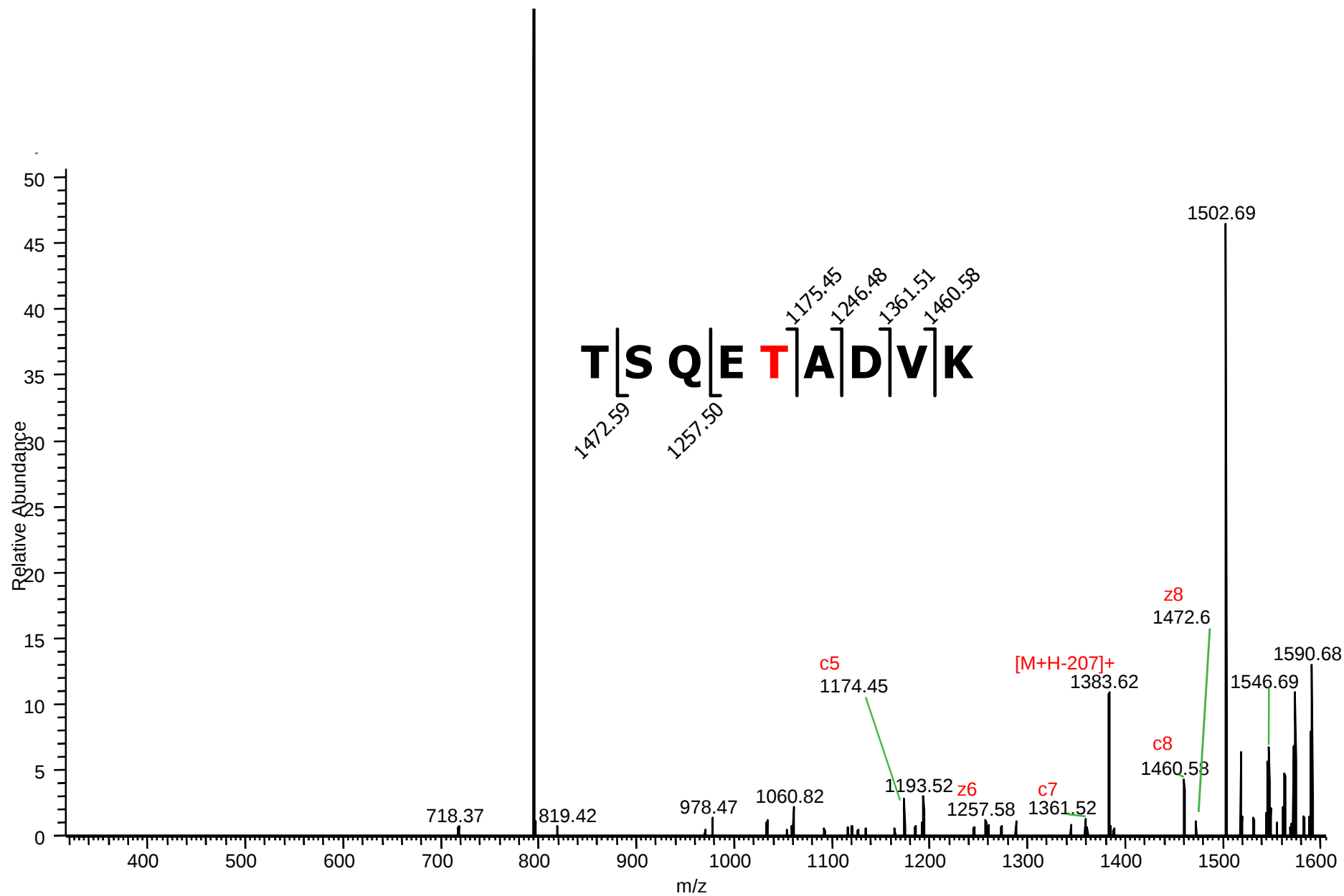


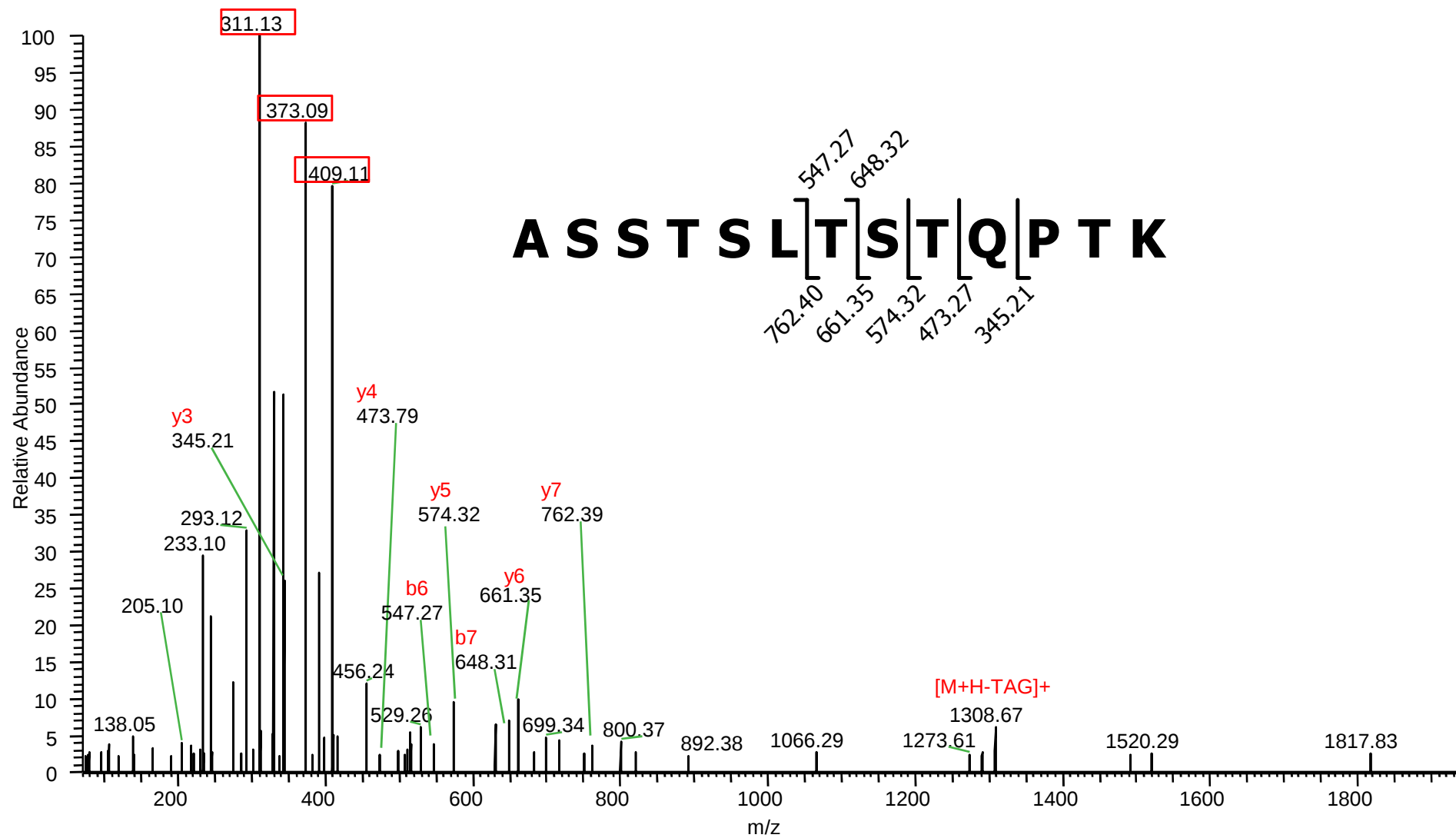


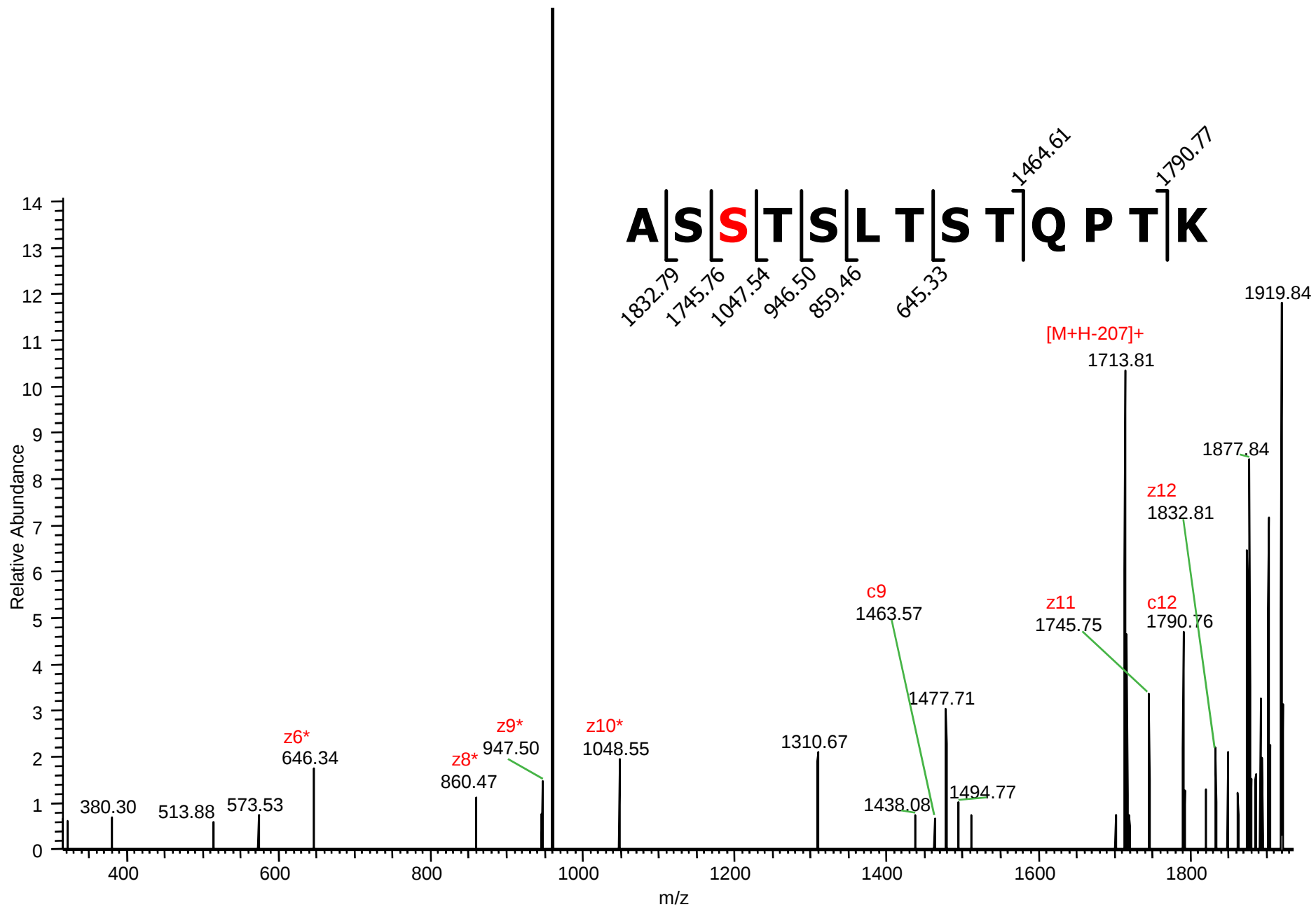


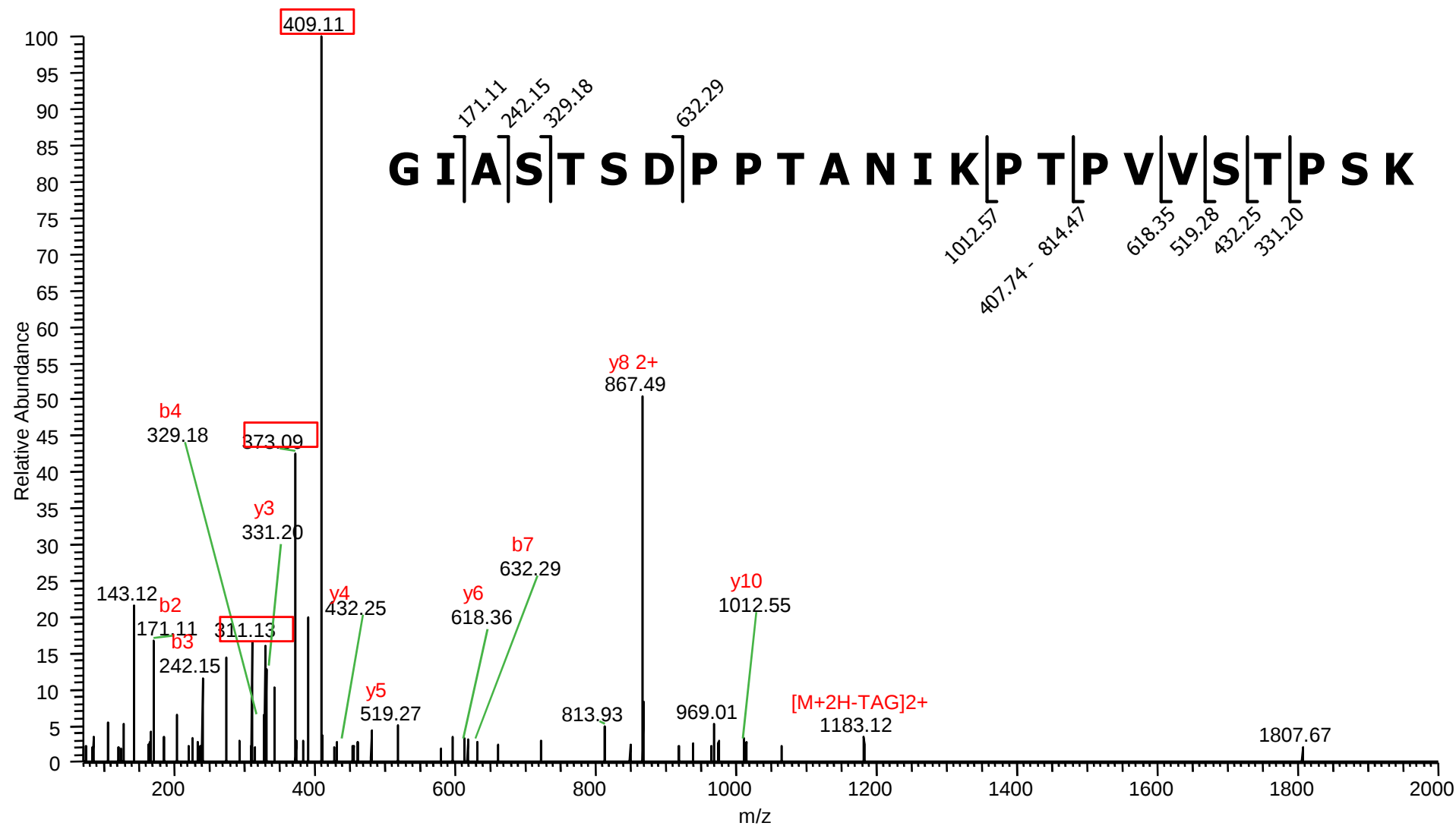






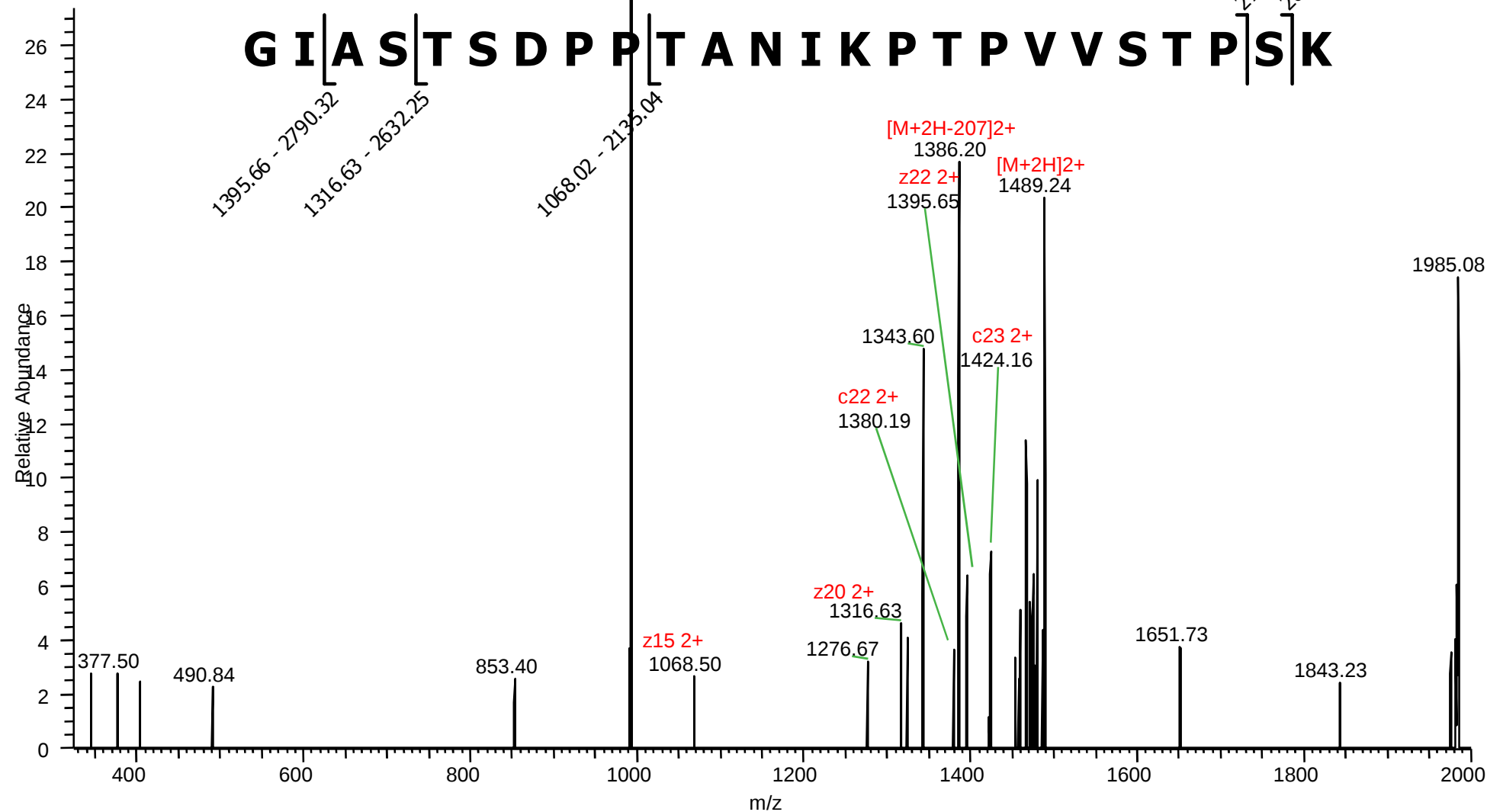


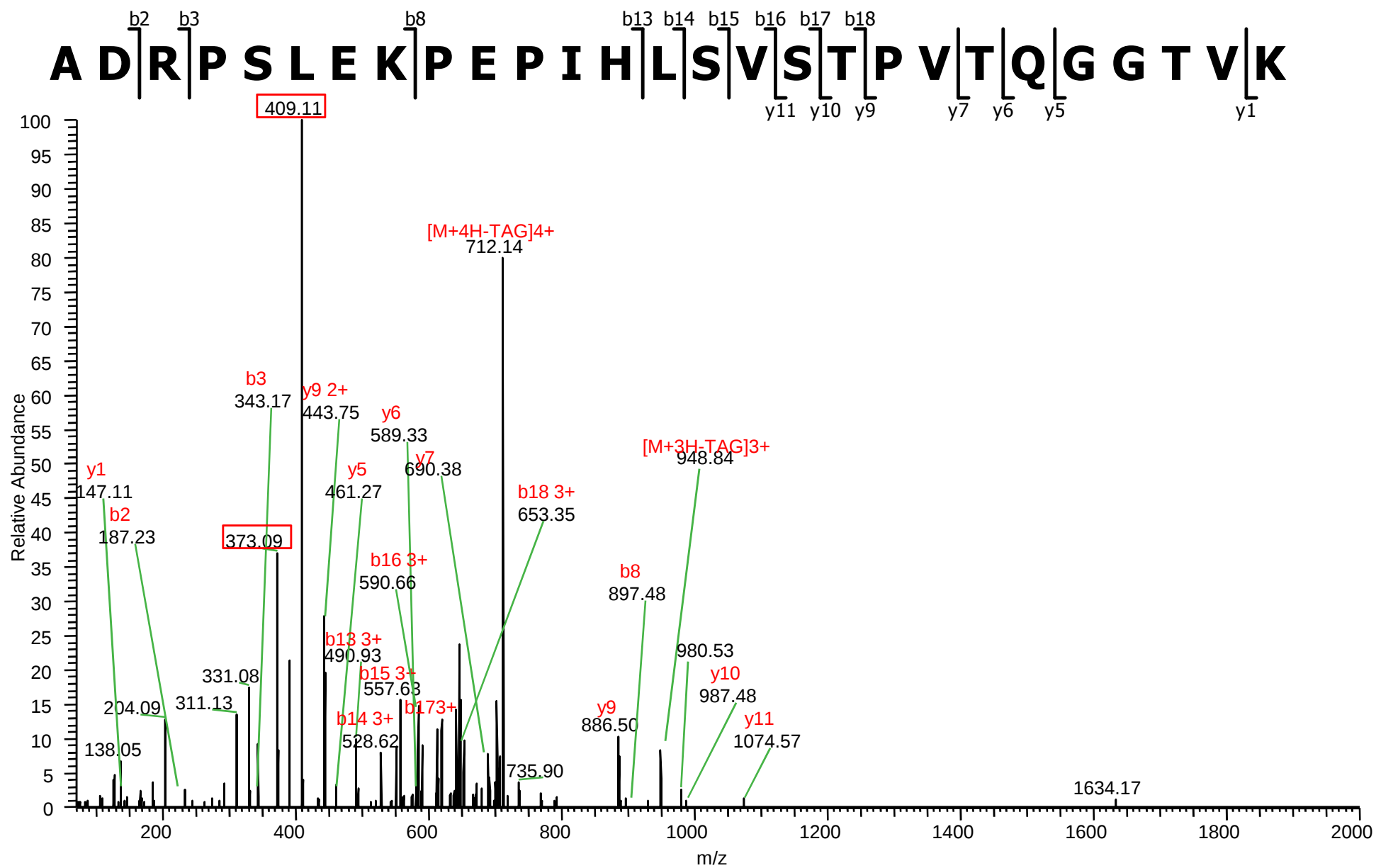




T:

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A **D** **R** **P** **S** **L** **E** **K** **P** **E** **P** **I** **H** **L** **S** **V** **S** **T** **P** **V** **T** **Q** **G** **G** **T** **V** **K**

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