Supporting Information for:

Highly Efficient NMR Enantiodiscrimination of Chiral Octanuclear Metalla-Boxes in Polar Solvent

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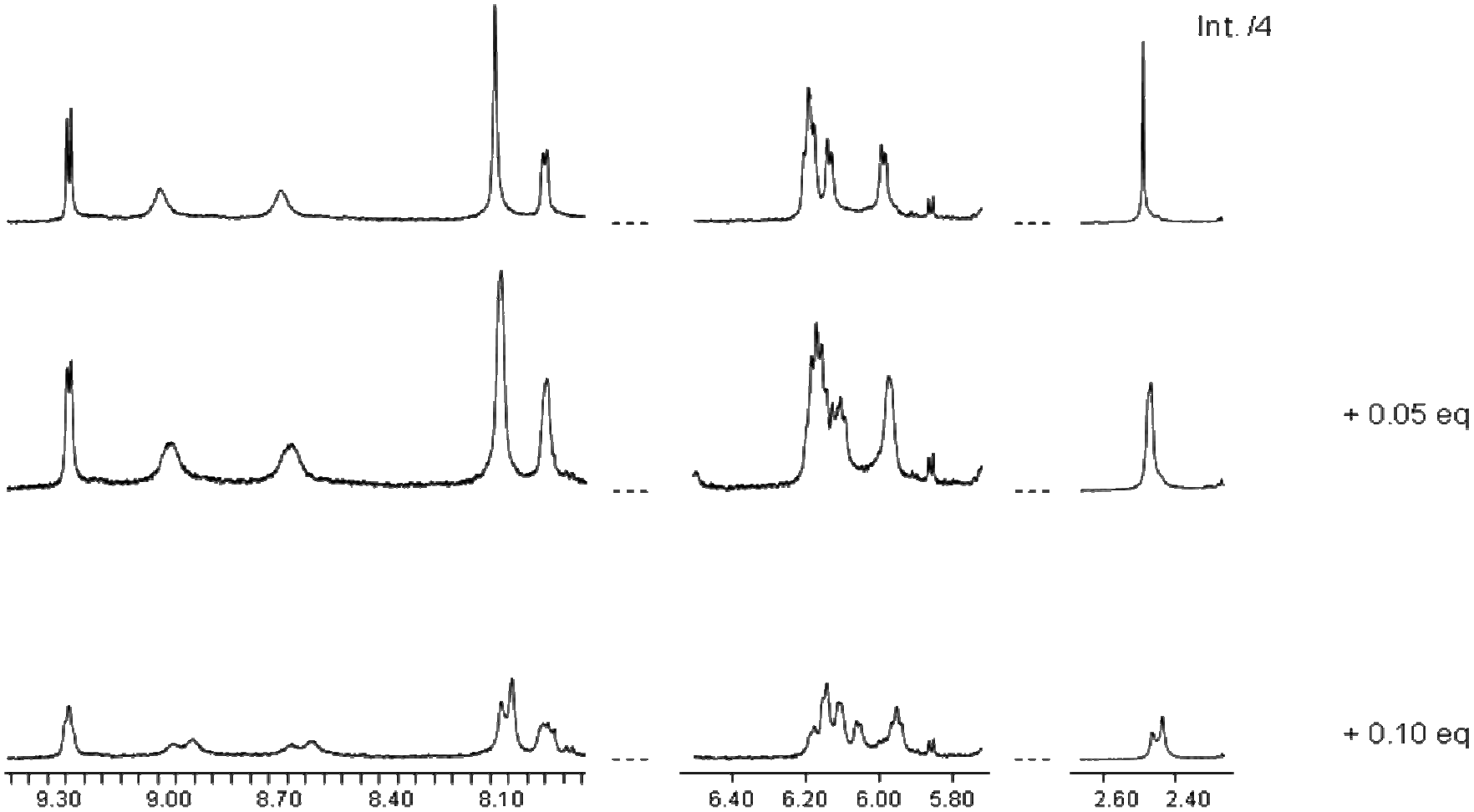

Figure 1S. ^{1}H NMR Spectra (parts, 500 MHz, CD_3CN) of [**1**][CF_3SO_3]$_8$: 0, 0.05 and 0.10 equiv. of [Bu_4N][*Λ*-BINPHAT] (CD_2Cl_2 solution).

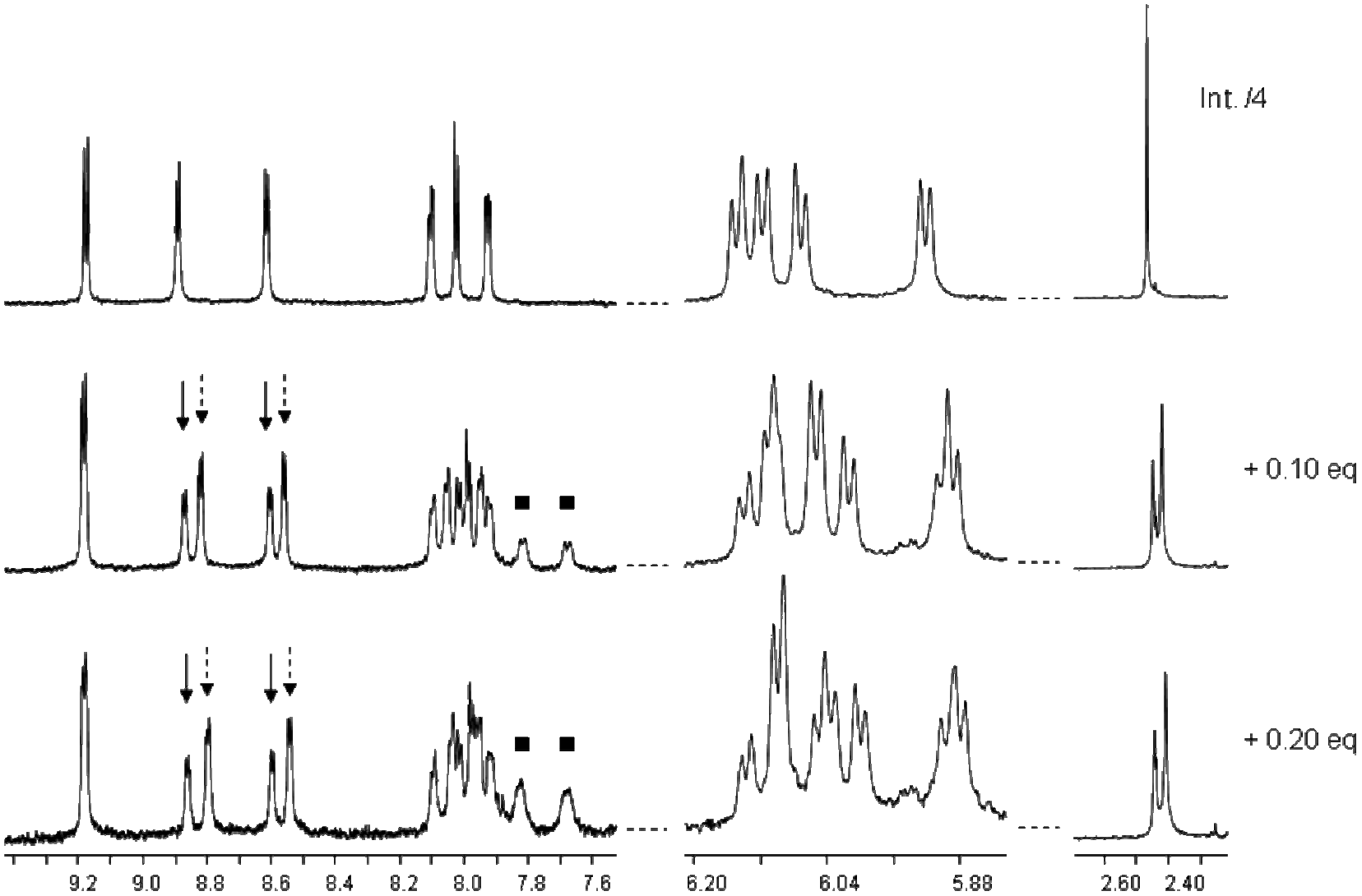

Figure 2S. ^{1}H NMR Spectra (parts, 500 MHz, CD_3CN) of [**3**][CF_3SO_3]$_8$: 0, 0.10 and 0.20 equiv. of [Bu_4N][*Λ*-BINPHAT] (CD_2Cl_2 solution). ■ indicates signals from the BINPHAT anion.

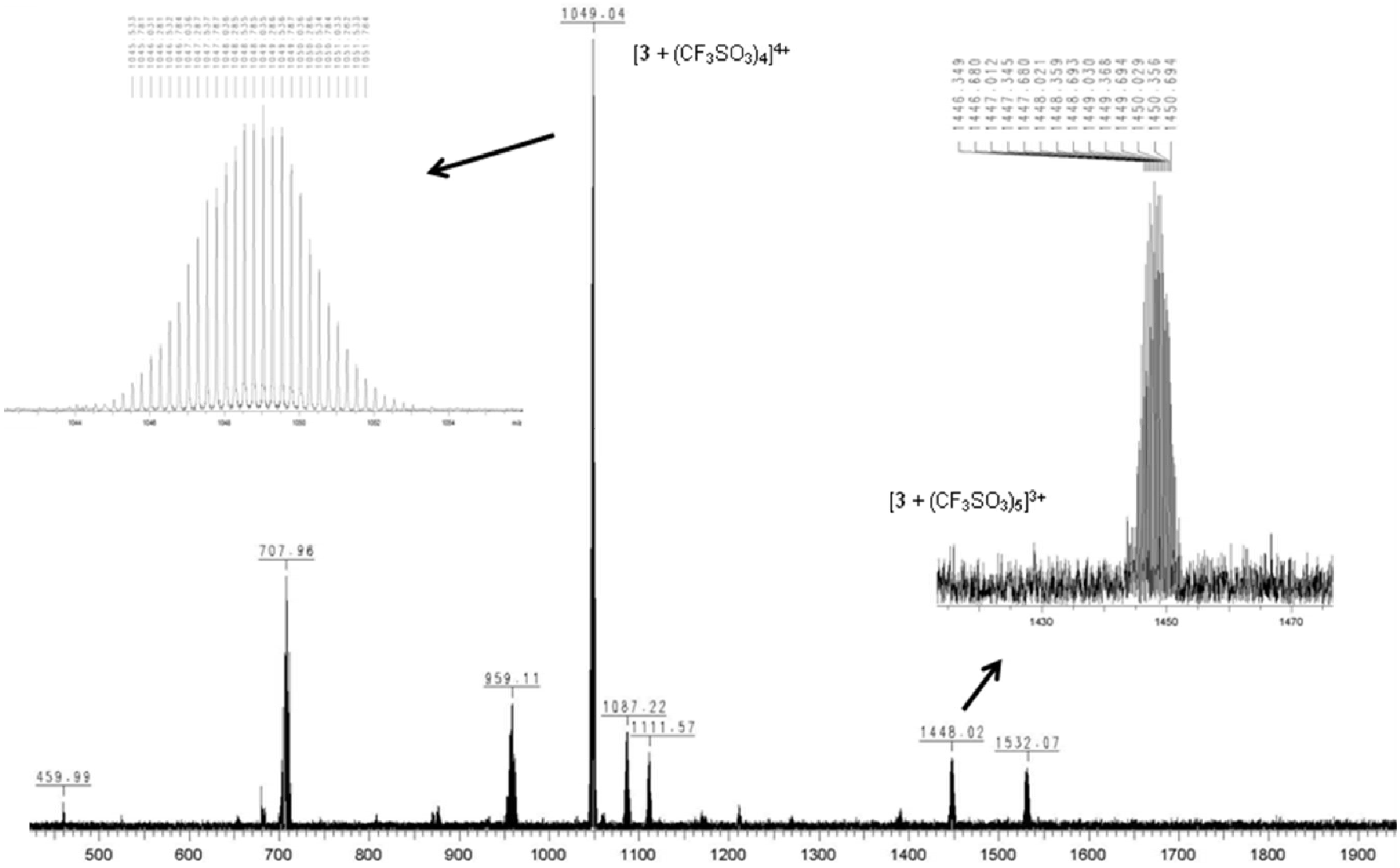

Figure 3S. ESI-MS of $[Ru_8(\eta^6\text{-}p\text{-}Pr^iC_6H_4Me)_8(\mu_4\text{-tpp-Zn-}\kappa N)_2(\mu\text{-}C_2O_4\text{-}\kappa O)_4][CF_3SO_3]_8$ in CH_3CN ([**3**][CF_3SO_3]$_8$).

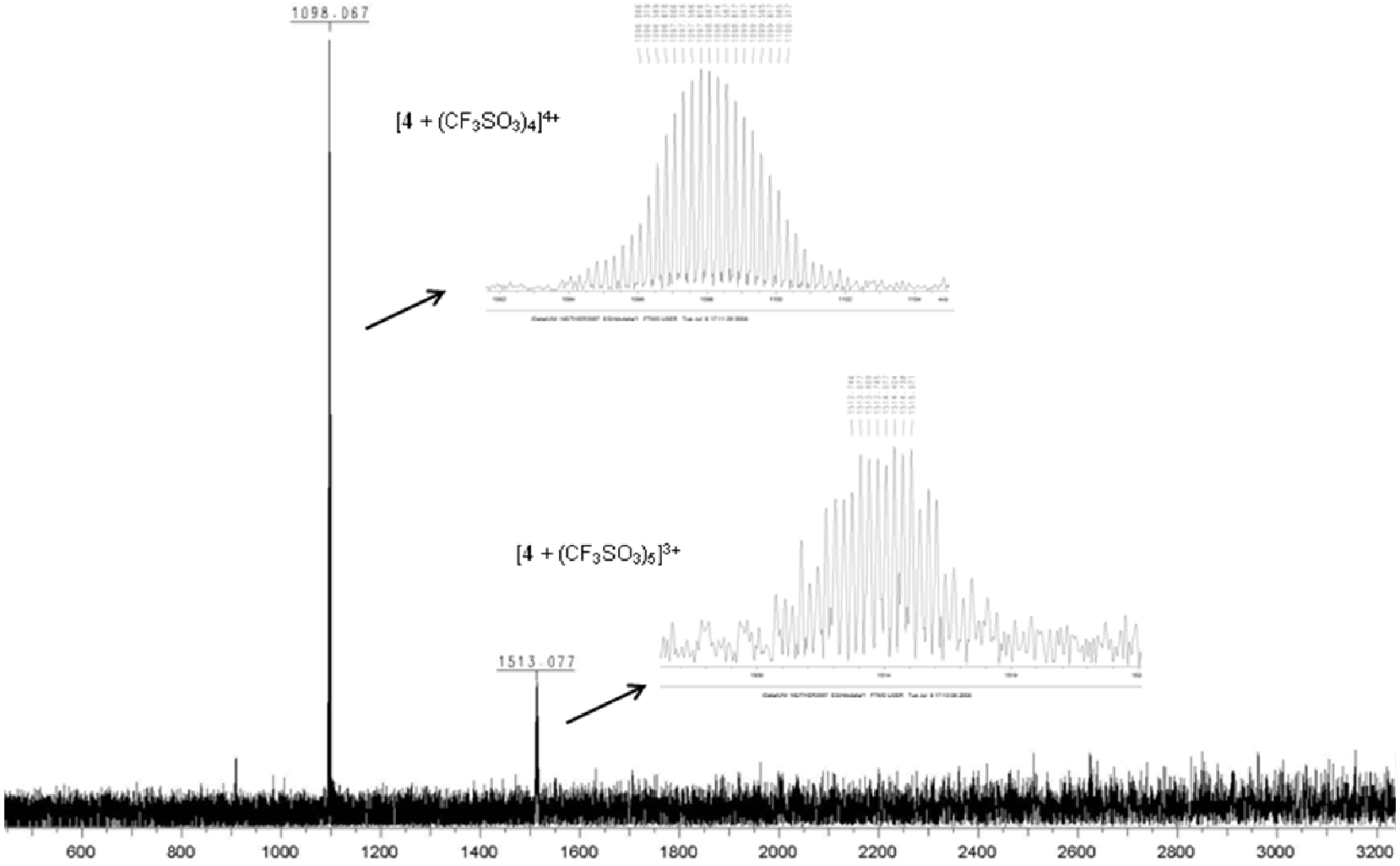

Figure 4S. ESI-MS of $[Ru_8(\eta^6\text{-}p\text{-}Pr^iC_6H_4Me)_8(\mu_4\text{-tpp-Zn-}\kappa N)_2(\mu\text{-}C_6H_2O_4\text{-}\kappa O)_4][CF_3SO_3]_8$ in CH_3CN ([**4**]$[CF_3SO_3]_8$).

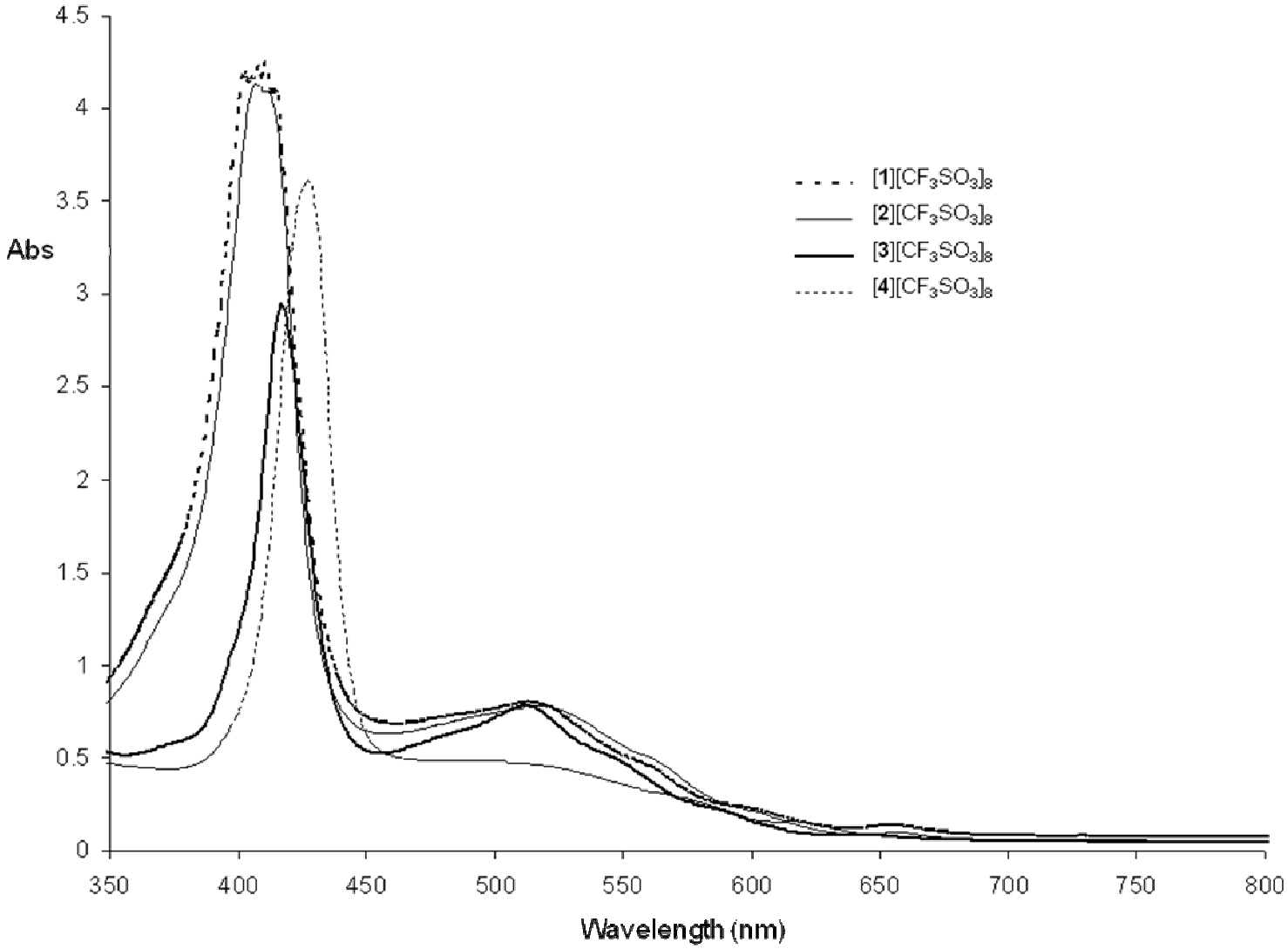

Figure 5S. UV-Visible spectra of complexes **1–4** (10^{-5} M) in acetone at 298 K.