

Fig. S1(a) Nafion film UV-visible absorption spectrum of $[\text{Co}(\text{PrN}_4\text{S}_2\text{amp})]^{3+}$ at room temperature and 14 K - spin allowed transitions

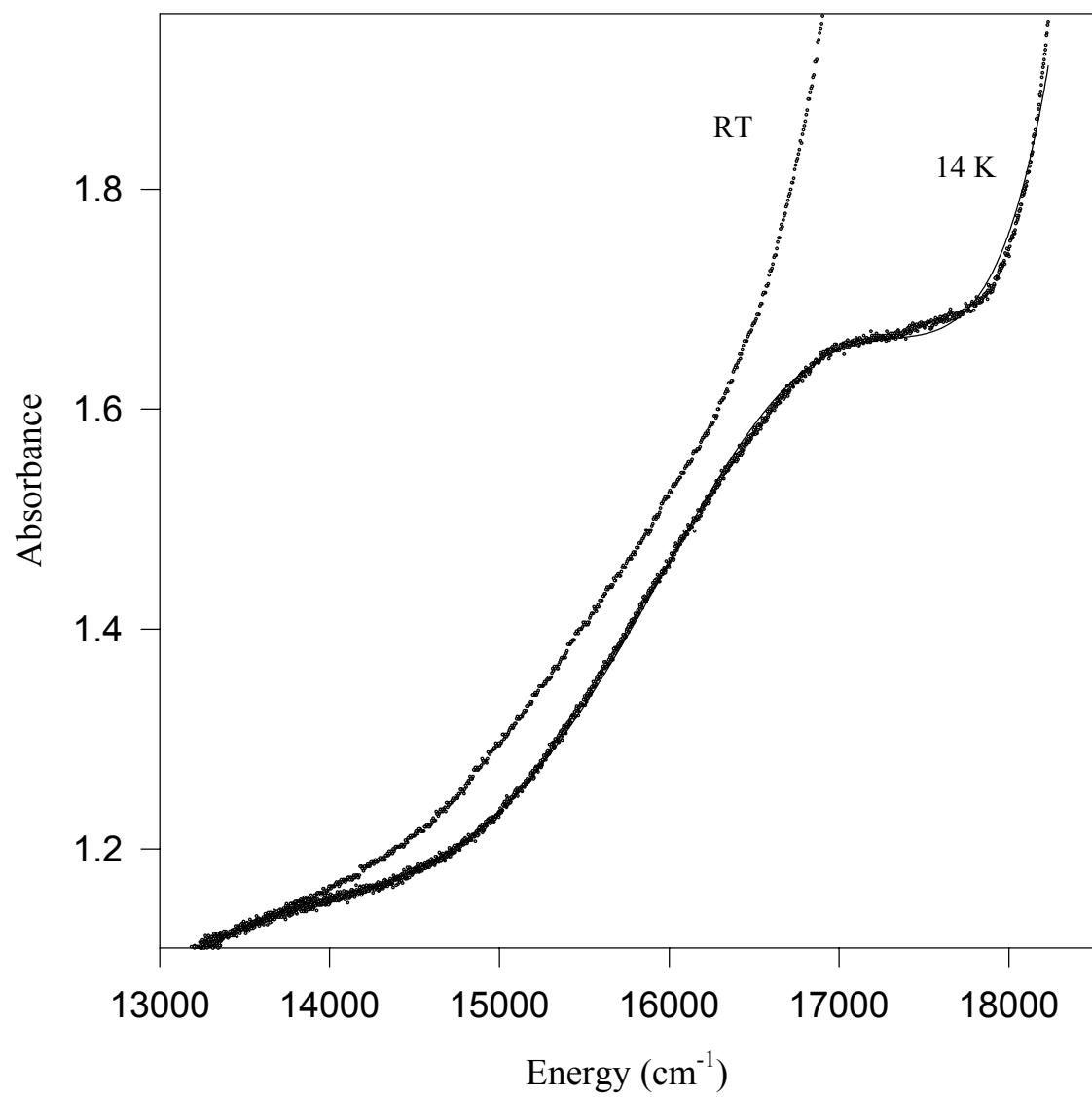


Fig. S1(b) Nafion film UV-visible absorption spectra of [Co(PrN₄S₂amp)]³⁺ at room temperature and 14 K - spin forbidden transitions