



Fig. S1. ¹H NMR spectra of 1:1 mixture of **L** and Co(ClO₄)₂·6H₂O in the presence of 0 eq. (a), 1 eq. (b), 2 eq. (c), 10 eq. (d) of Bu₄NNO₃ in CD₃CN at room temperature. [L] = [Co(ClO₄)₂·6H₂O] = 5 × 10⁻³ mol dm⁻³. *: Solvent, water and Bu₄N⁺ signals. Inset: abundance ratio of each species in the presence of several amount of Bu₄NNO₃ in CD₃CN.