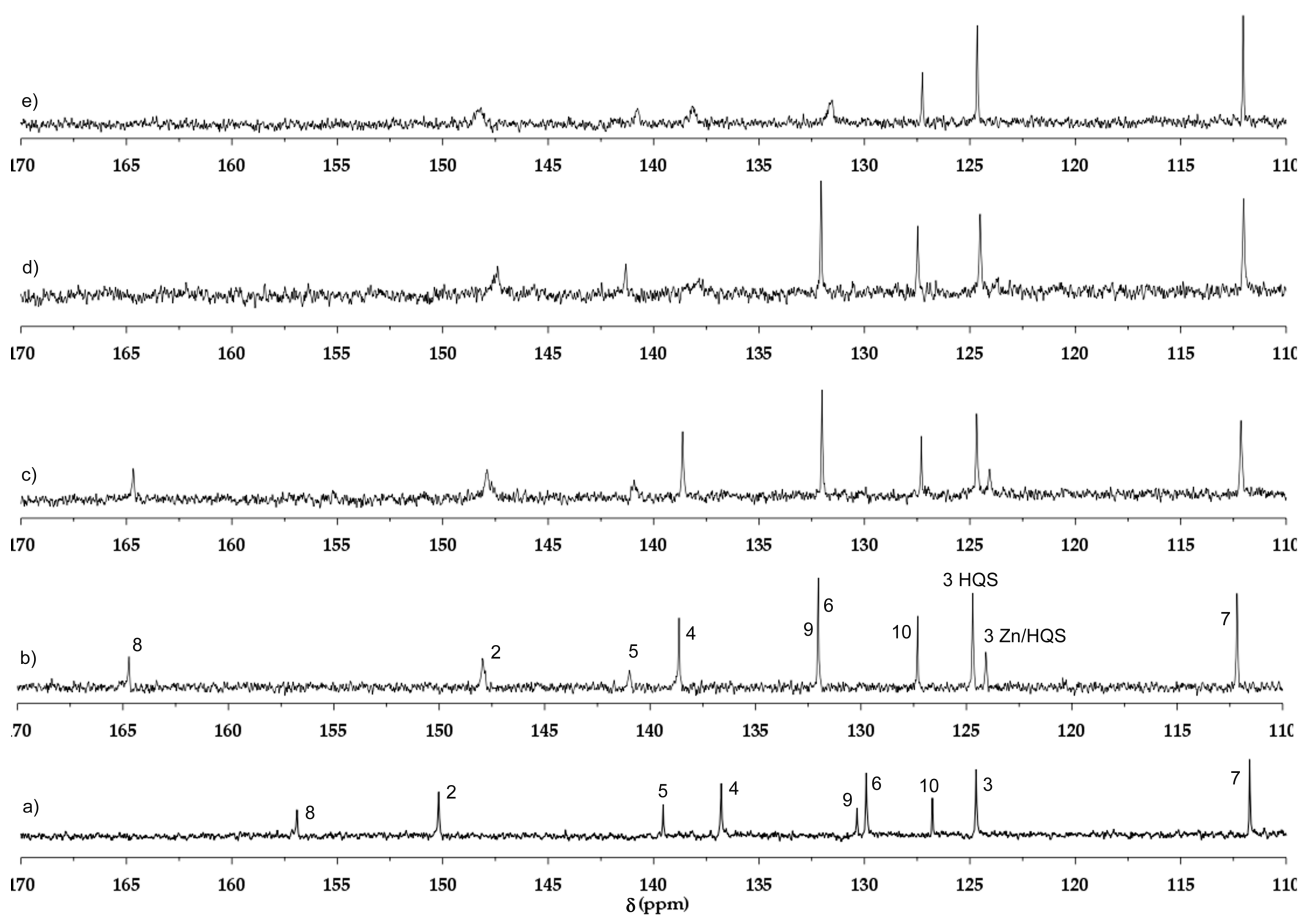


Electronic Supplementary Information

NMR, DFT and Luminescence Studies of the Complexation of Zn(II) with 8-Hydroxyquinoline-5-sulfonate

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^{13}C NMR spectra of D_2O solutions of a) HQS 10 mmol dm^{-3} , pH 6.5; b) Zn/HQS $10:10 \text{ mmol dm}^{-3}$, pH 5.6; c) Zn/HQS $5:10 \text{ mmol dm}^{-3}$, pH 7.6; d) Zn/HQS $3.3:10 \text{ mmol dm}^{-3}$, pH 6.7; e) Zn/HQS $2.5:10 \text{ mmol dm}^{-3}$, pH 5.9.