

## Supplementary information

### Supplementary Figures

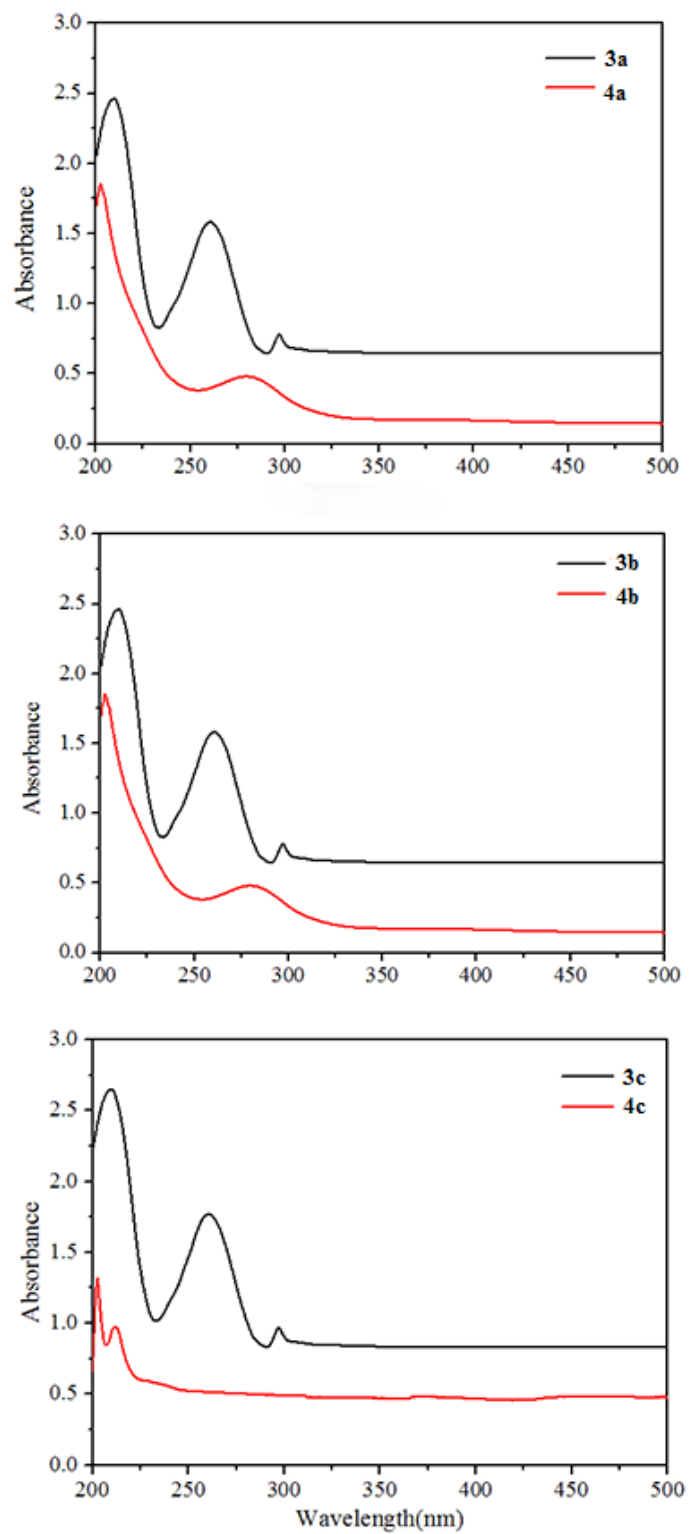


Figure. S1 UV Spectrum of ligands and nickel complexes

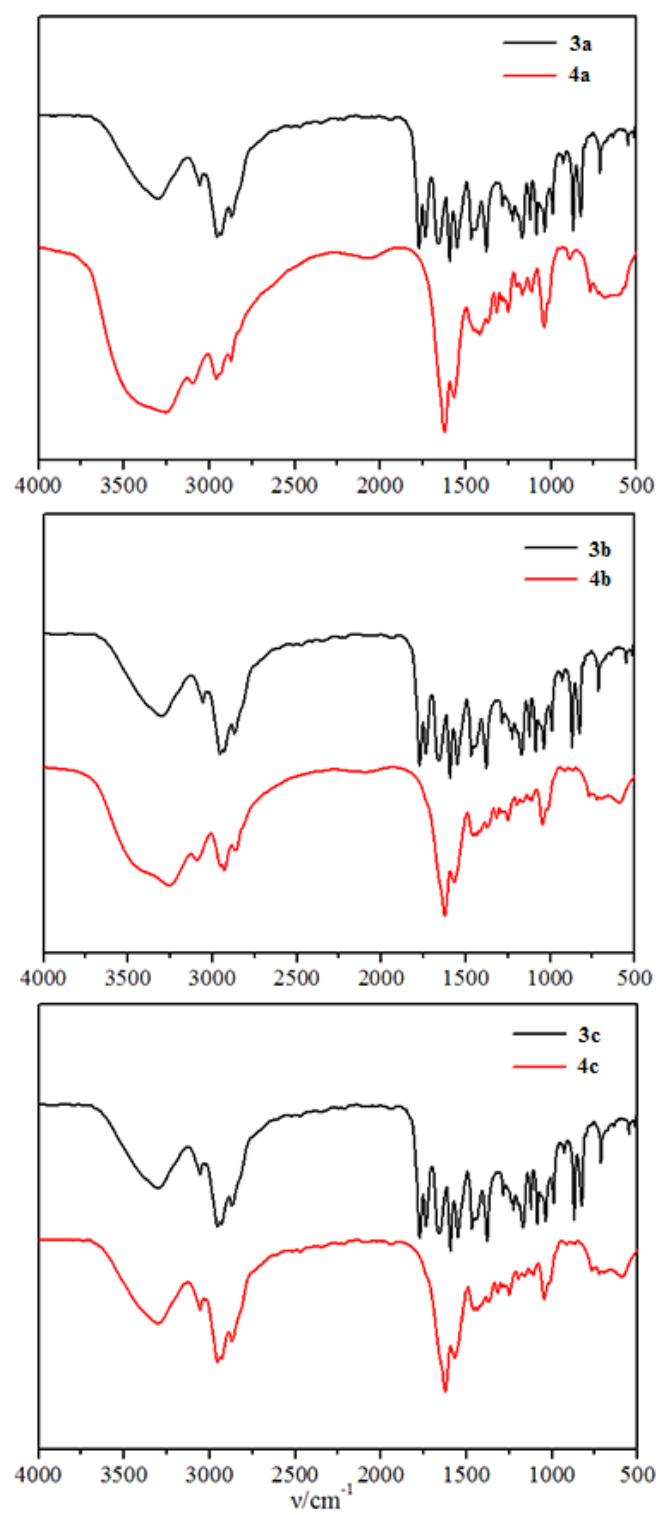


Figure. S2 Infrared spectra curves of ligands and nickel complexes

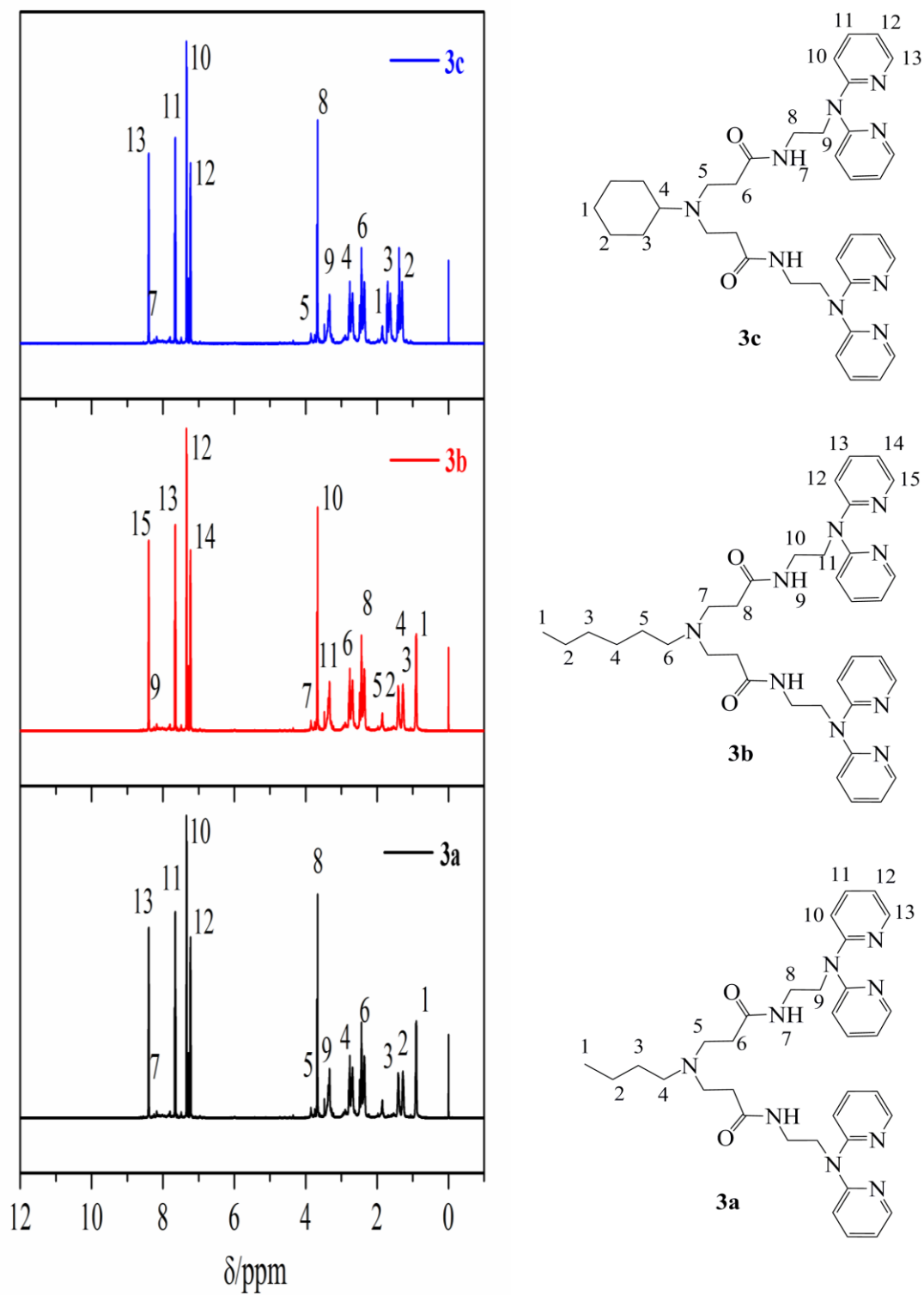
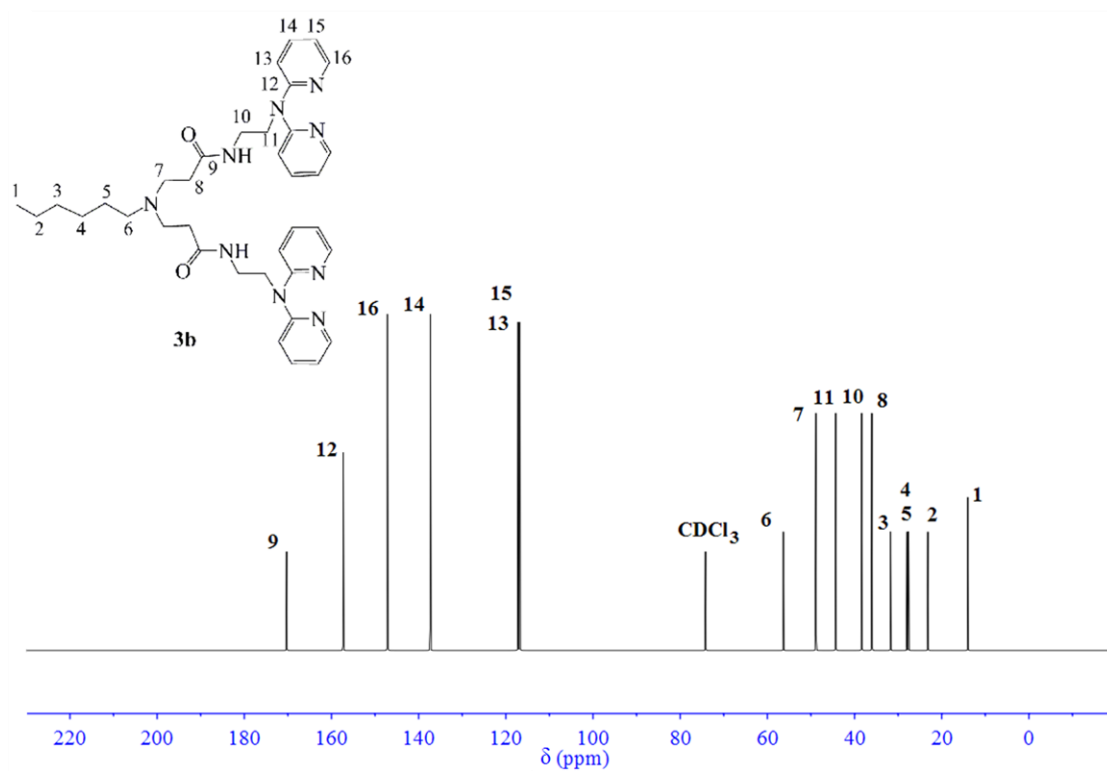
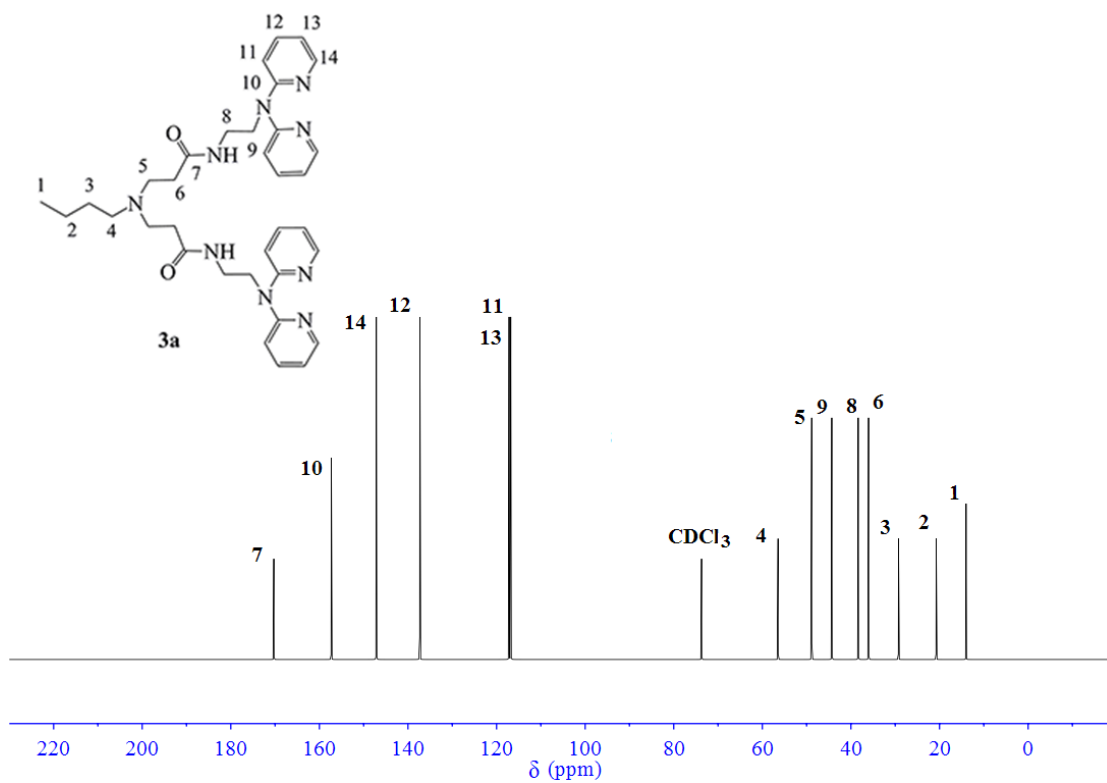


Figure. S3  $^1\text{H}$  NMR of ligands



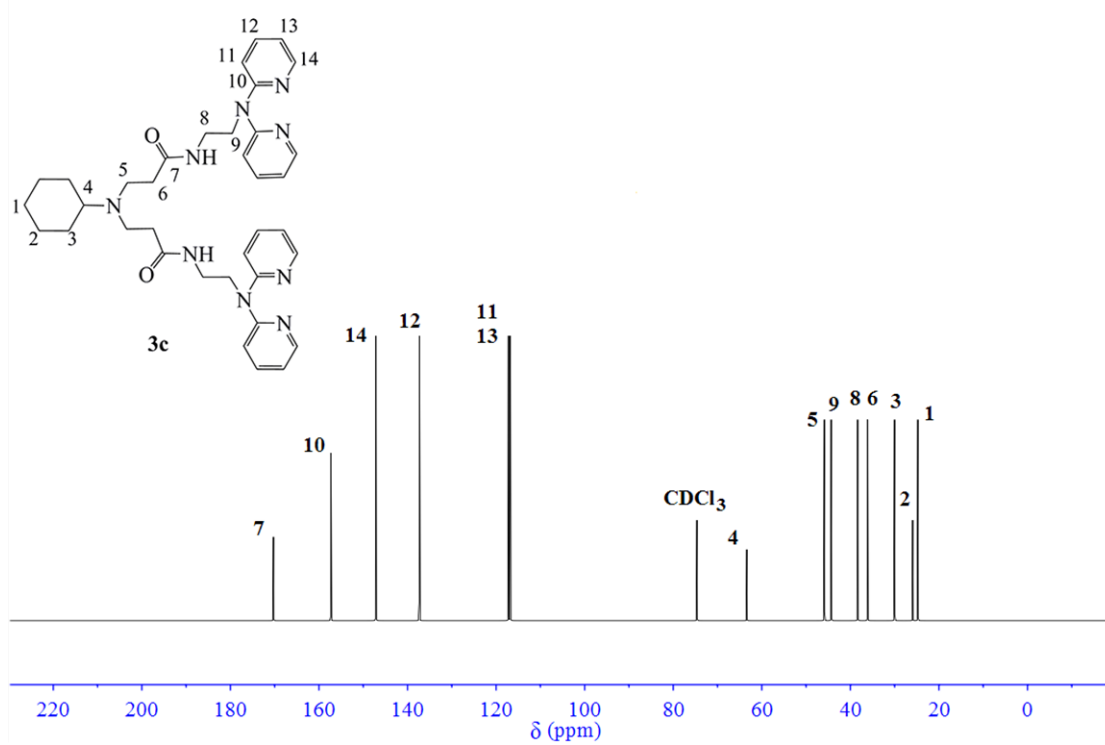


Figure. S4  $^{13}\text{C}$  NMR of ligands

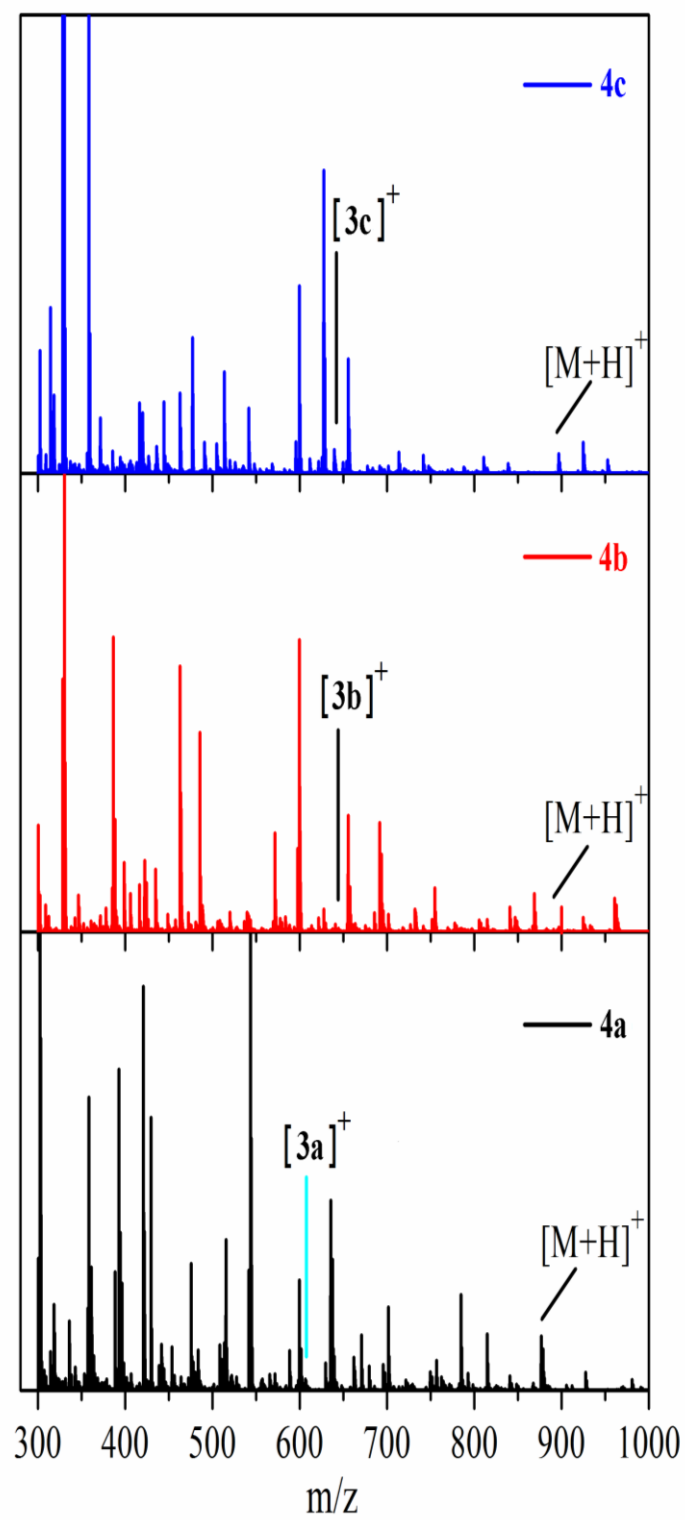


Figure. S5 ESI-MS of nickel complexes