Electronic supplementary information (ESI)

Neutral and cationic chiral NCN pincer nickel(II) complexes with 1,3-bis(2'-imidazolinyl)benzenes: synthesis and characterization

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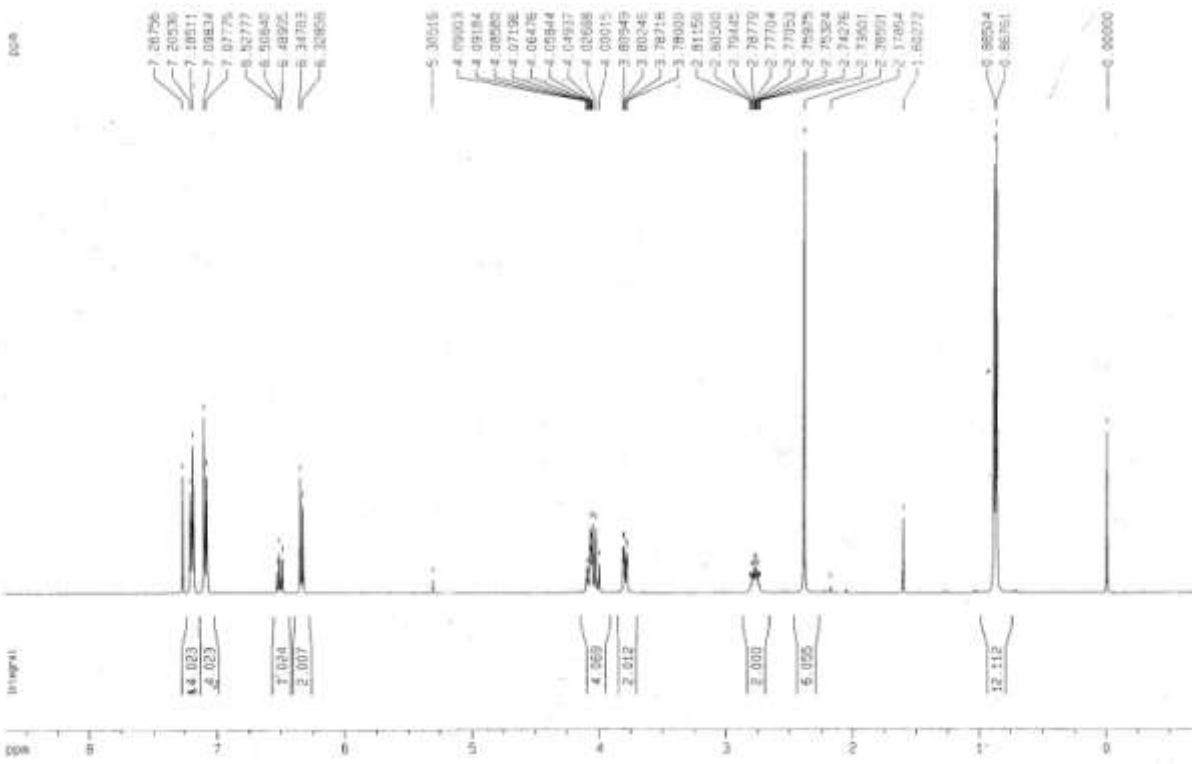
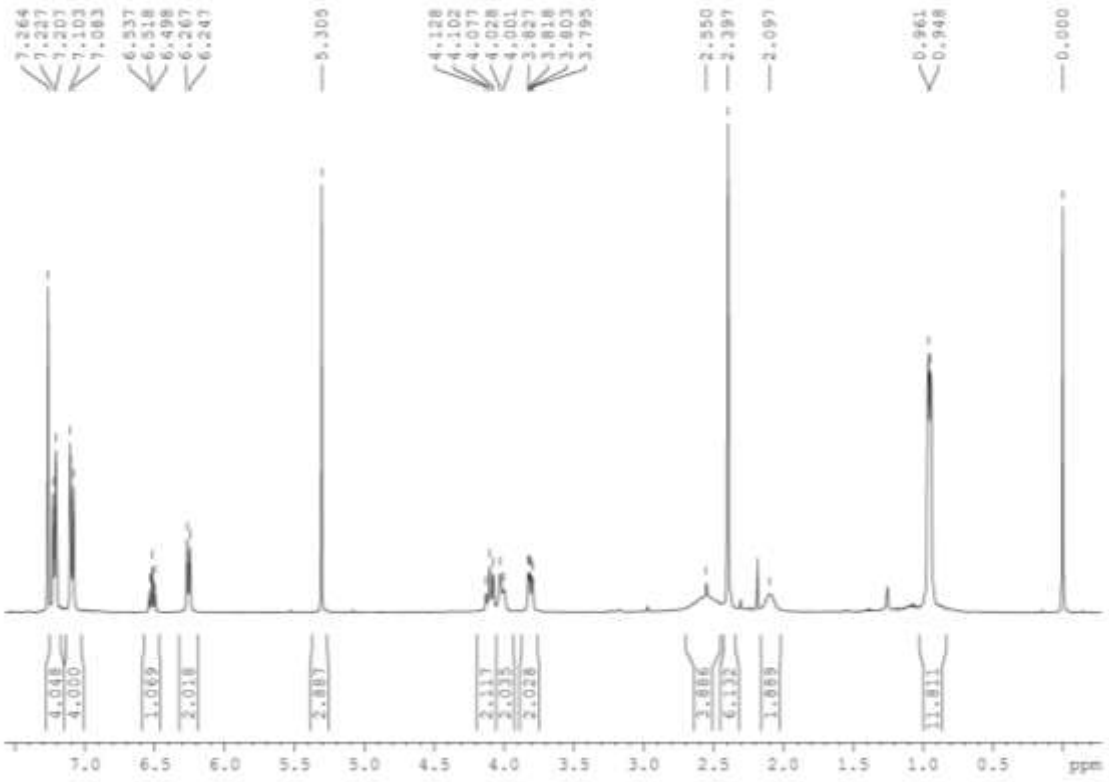
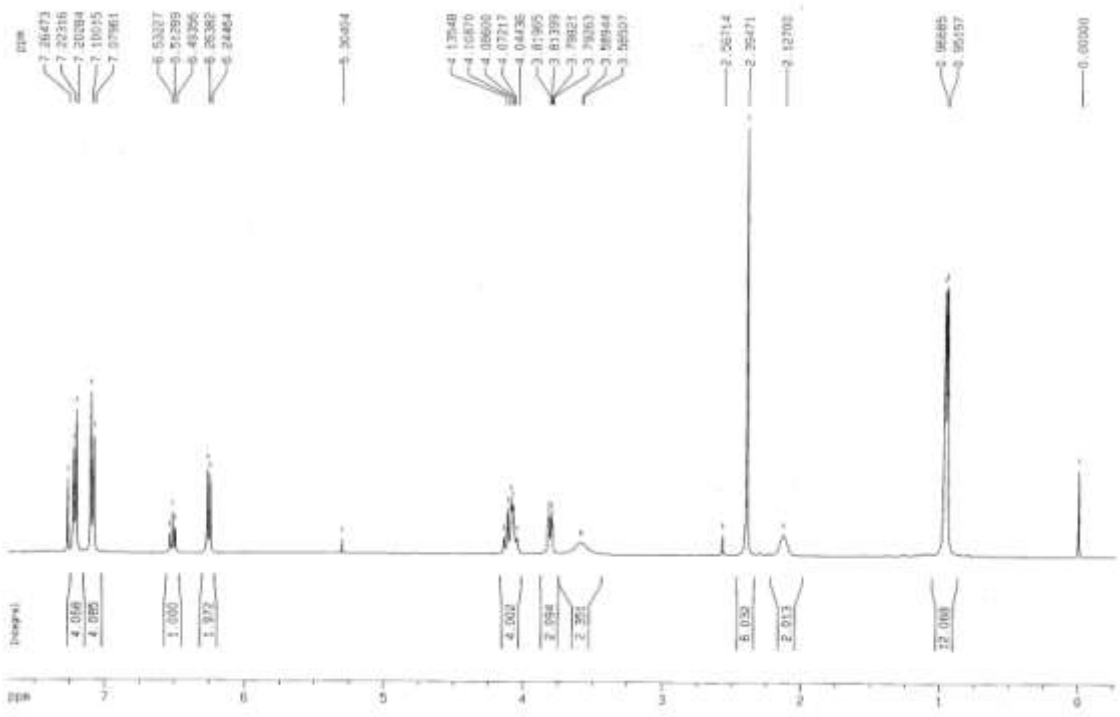


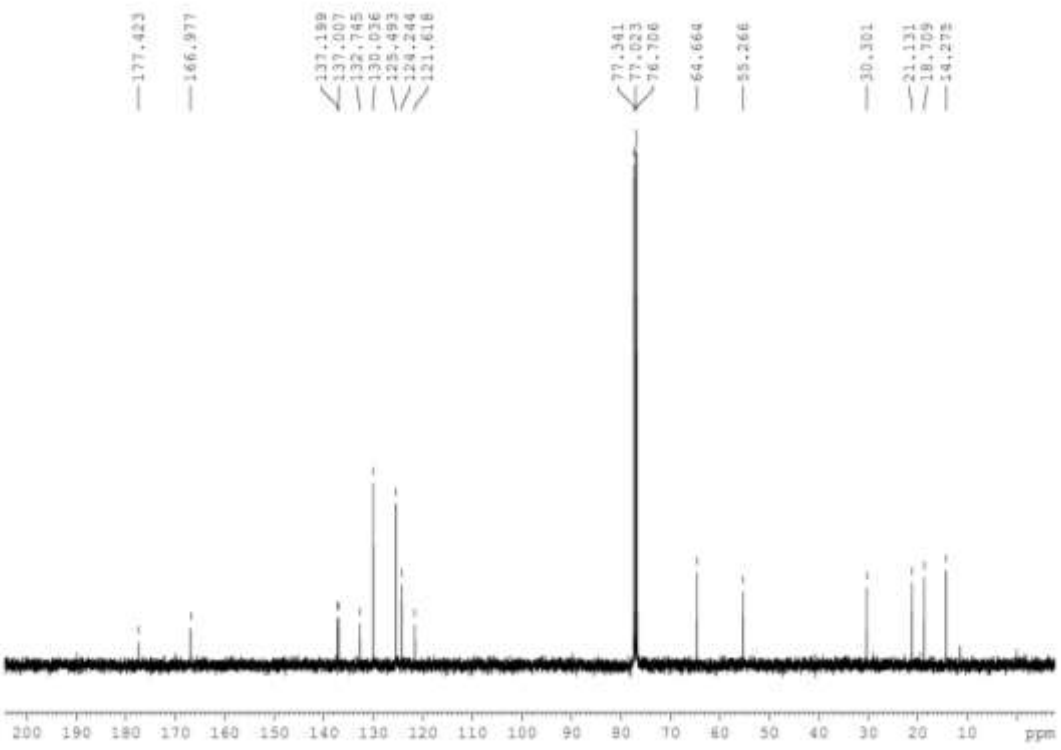
^{1}H NMR spectrum of the neutral pincer Ni(II) complex **2a**



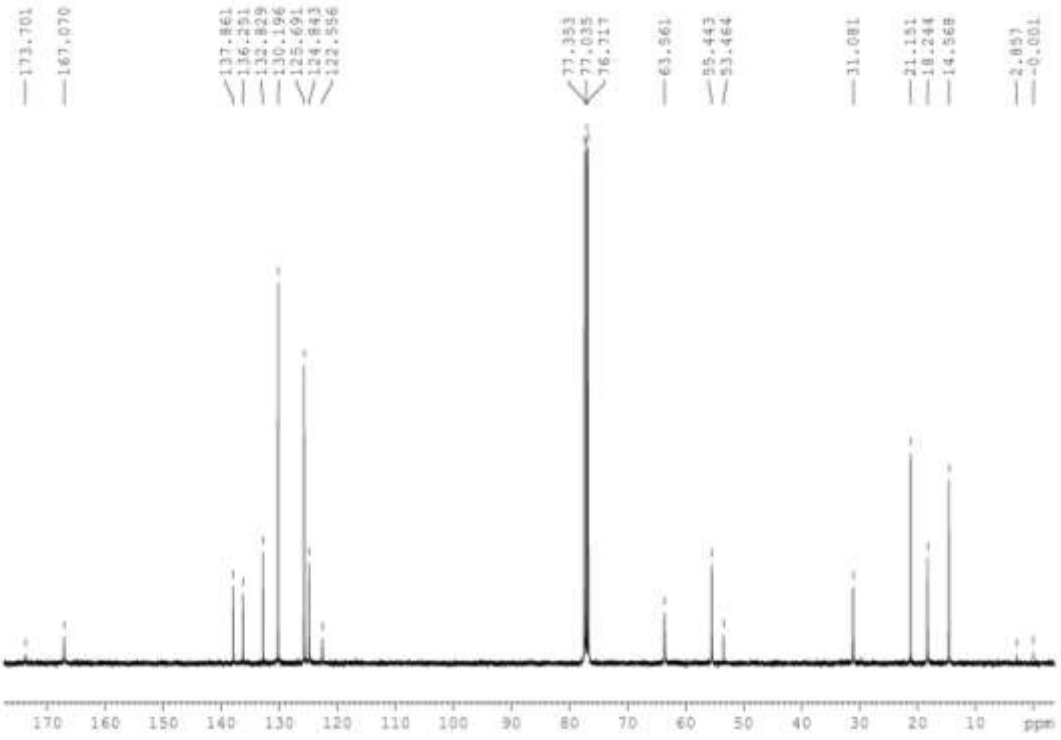
^{1}H NMR spectrum of the cationic pincer Ni(II) complex **3a**



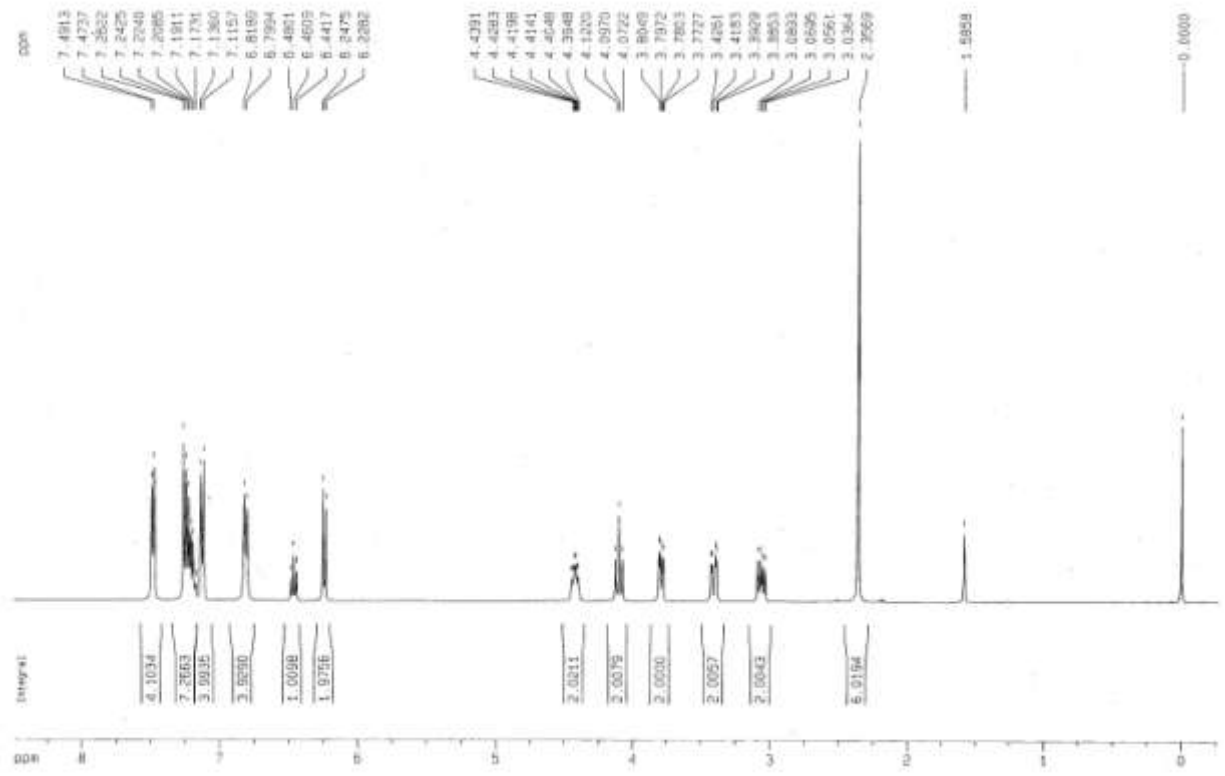
^{1}H NMR spectrum of the cationic pincer Ni(II) complex **3a** showing the small signal at δ 2.57 ppm for coordinated CH_3CN protons and the new signal at δ 3.59 ppm possibly due to the metal-coordinated water protons



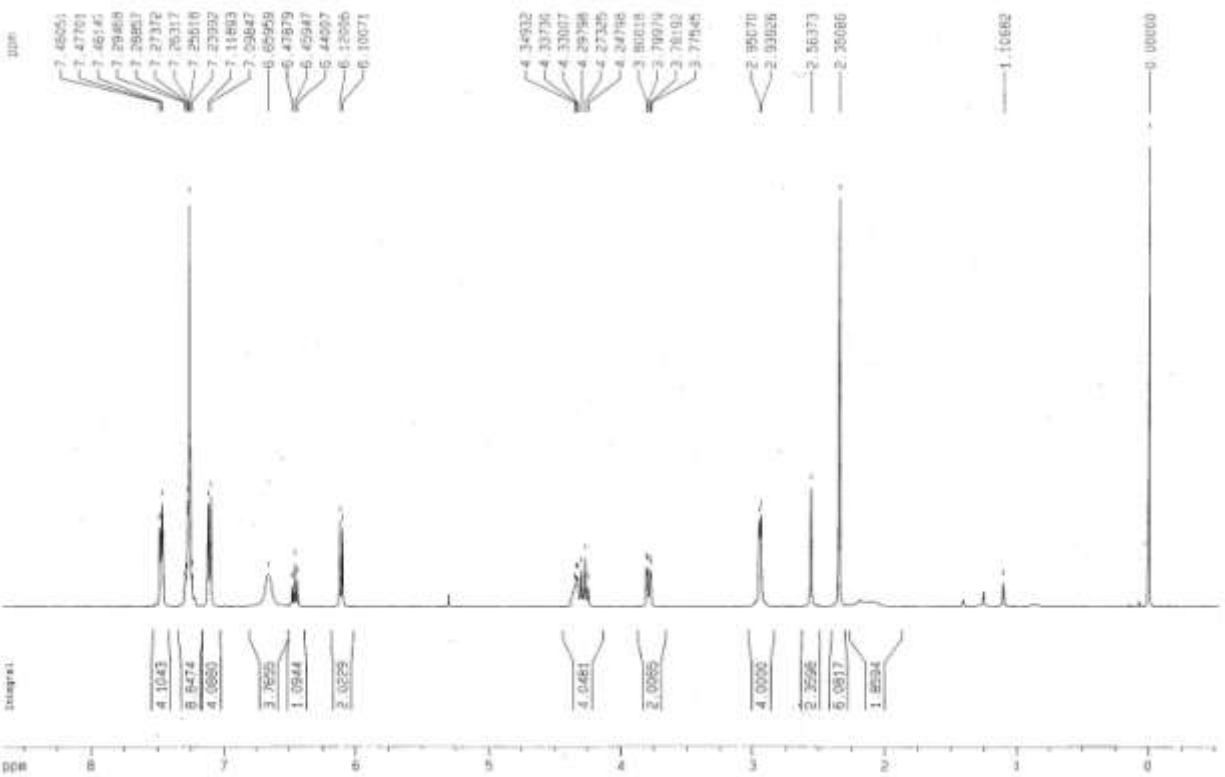
^{13}C NMR spectrum of the neutral pincer Ni(II) complex **2a**



^{13}C NMR spectrum of the cationic pincer Ni(II) complex **3a**



^{1}H NMR spectrum of the neutral pincer Ni(II) complex **2c**



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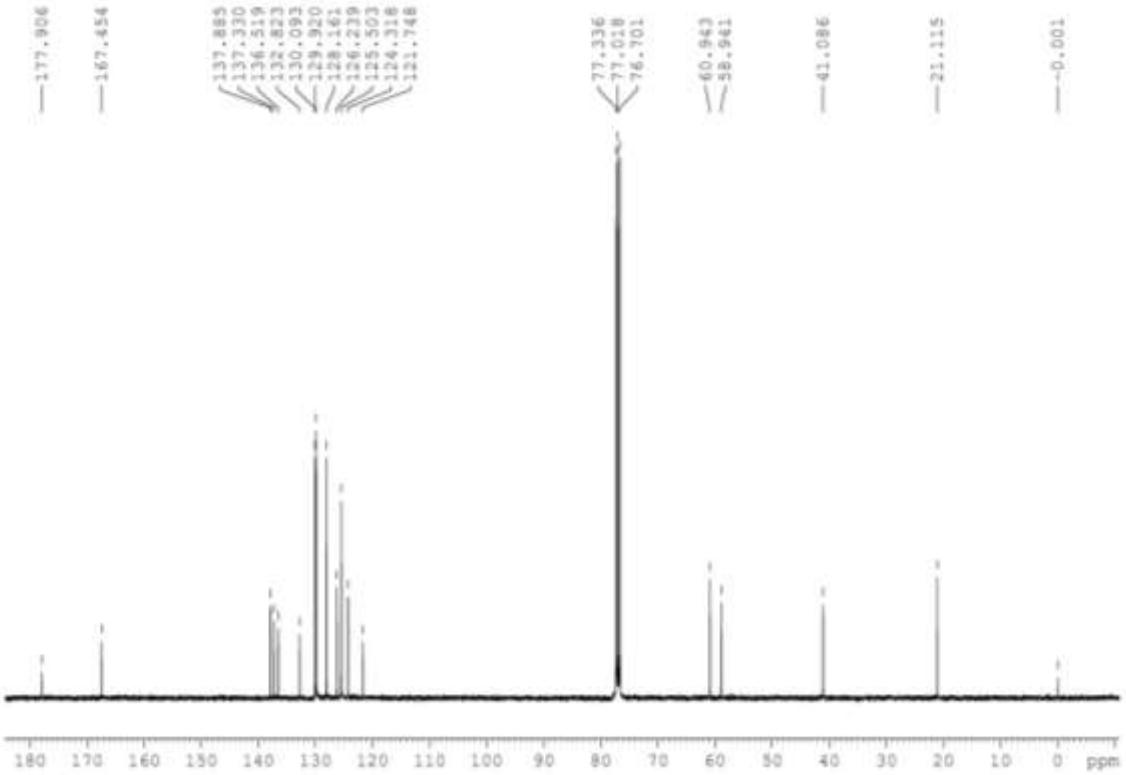
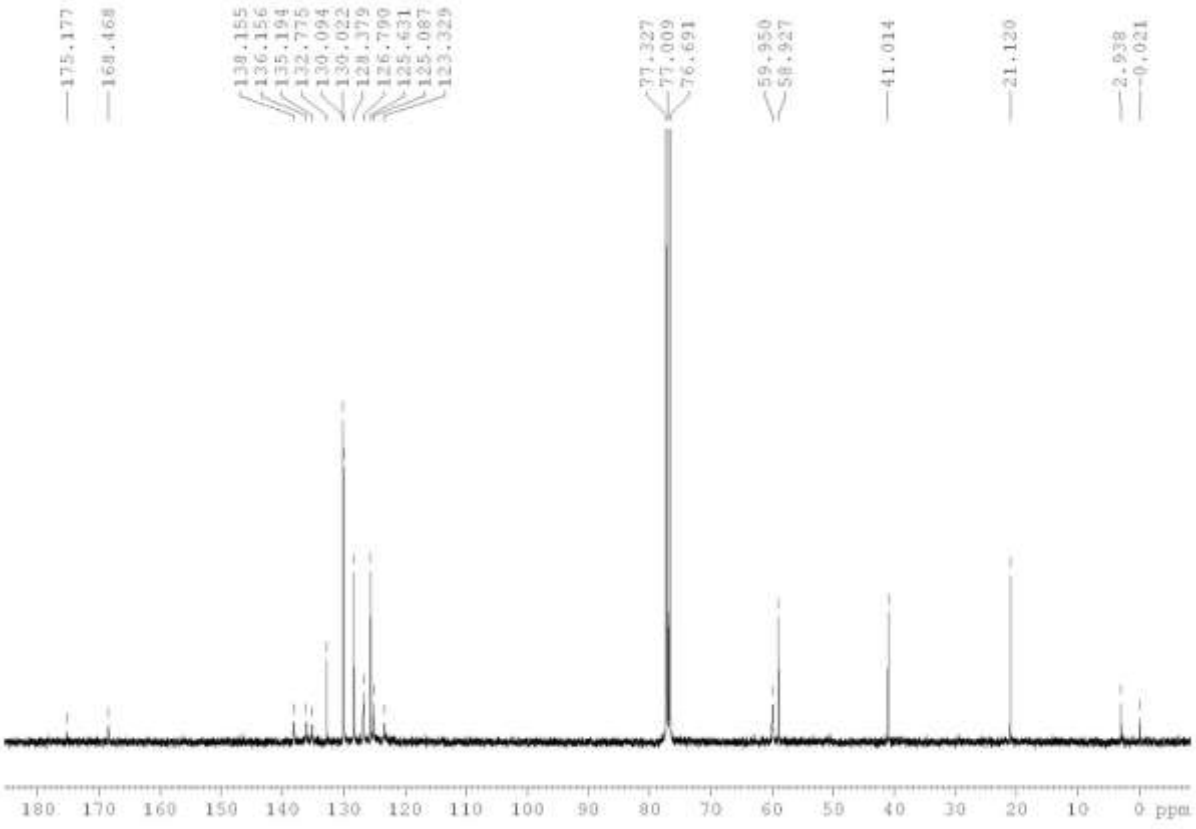
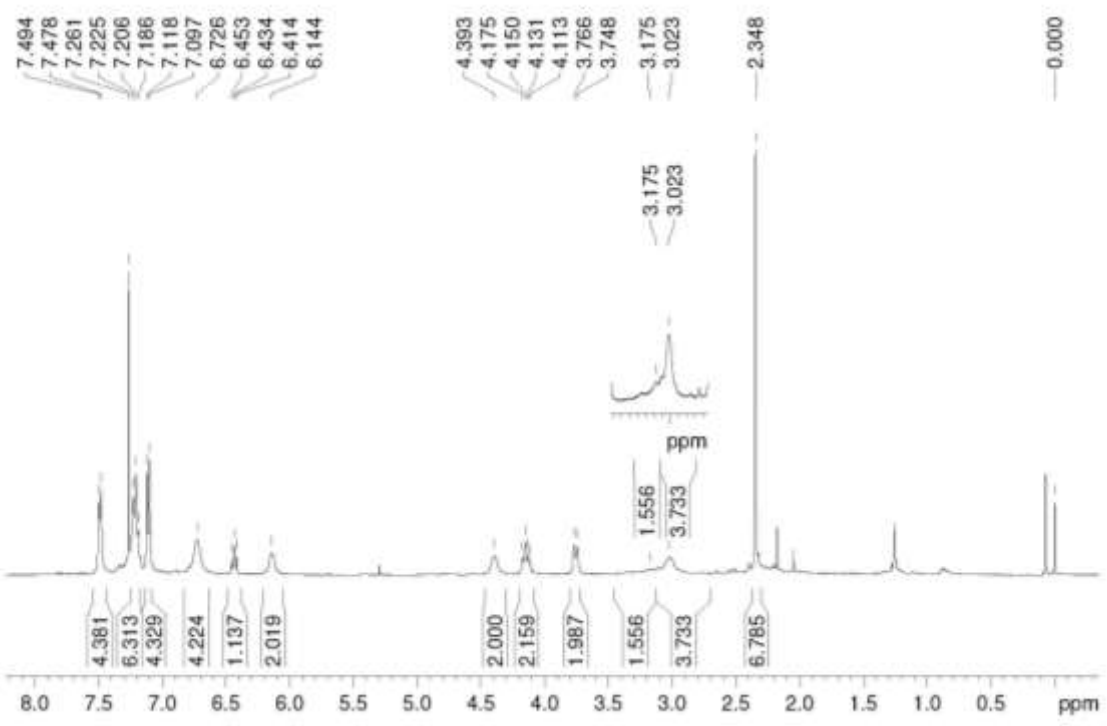


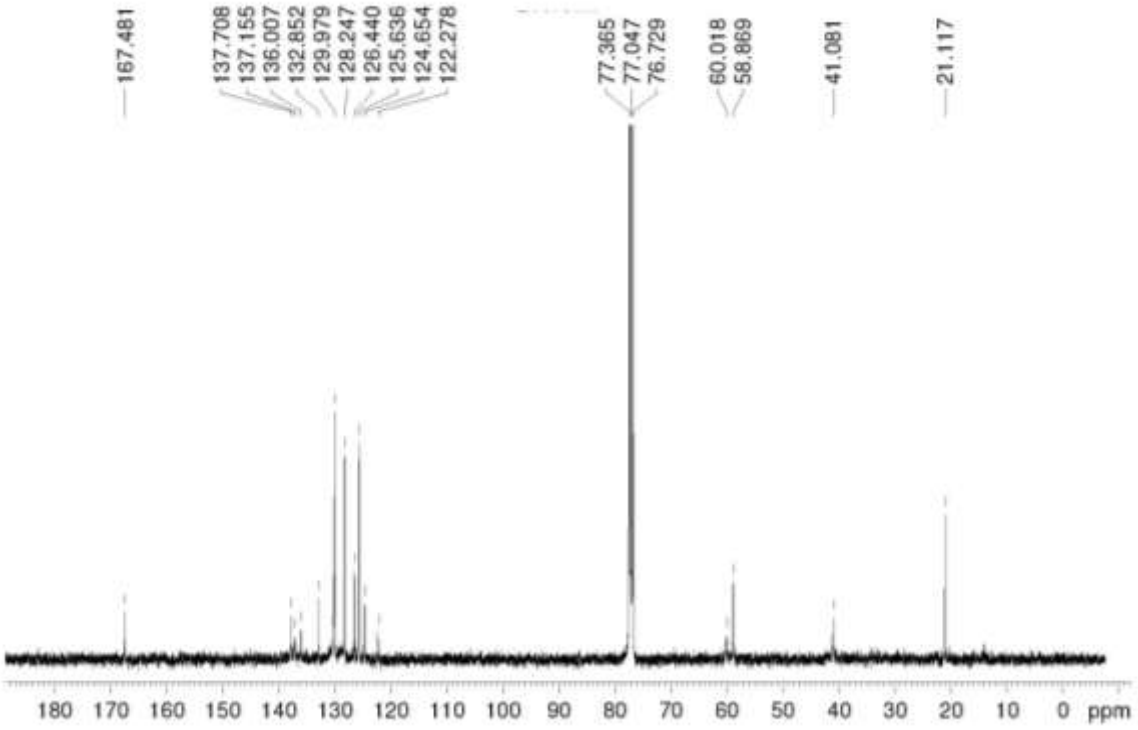
^{13}C NMR spectrum of the neutral pincer Ni(II) complex **2c**



^{13}C NMR spectrum of the cationic pincer Ni(II) complex **3c**



^{1}H NMR spectrum of the obtained solids from treatment of the cationic complex **3c** with more than quantitative water in CH_2Cl_2/H_2O (10:1, v/v) at room temperature for 0.5 h.



^{13}C NMR spectrum of the obtained solids from treatment of the cationic complex **3c** with more than quantitative water in CH_2Cl_2/H_2O (10:1, v/v) at room temperature for 0.5 h.