

## Supplementary Material

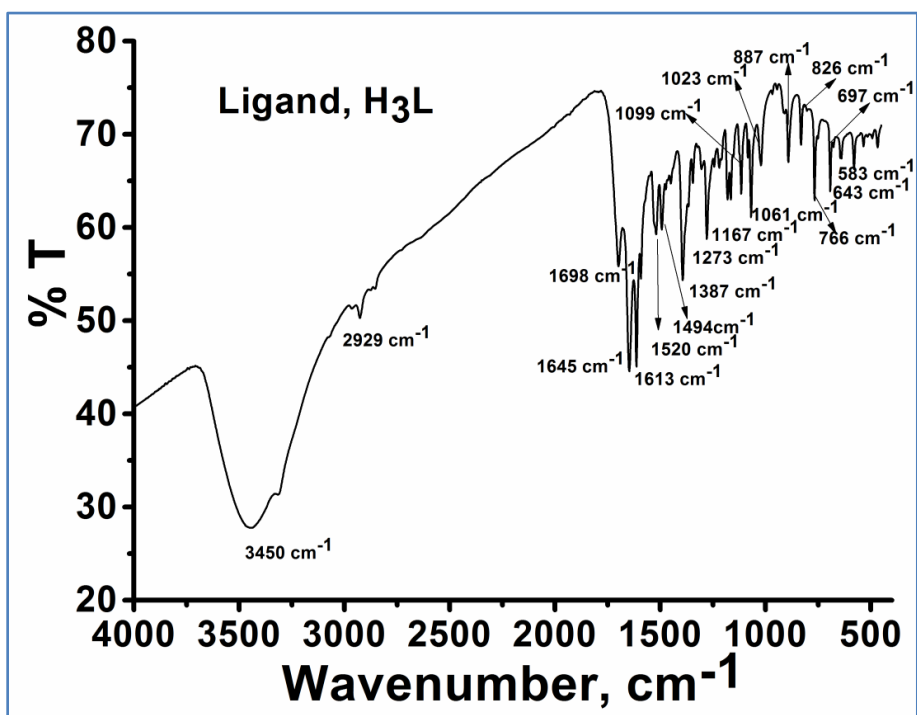


Figure S1. IR spectrum of the ligand, **H<sub>3</sub>L**.

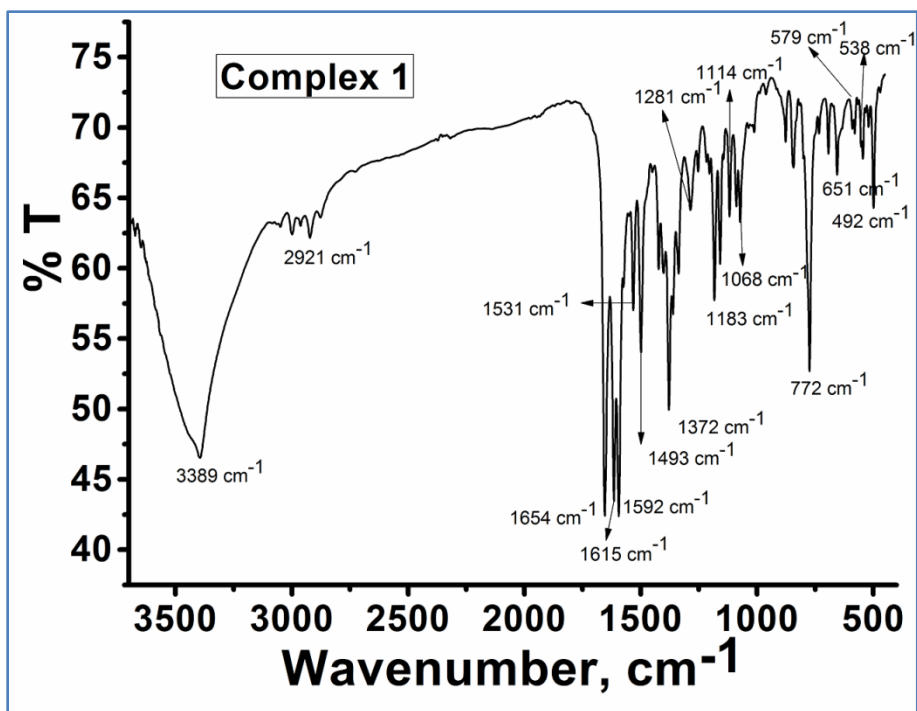


Figure S2. FTIR spectrum of the complex 1.

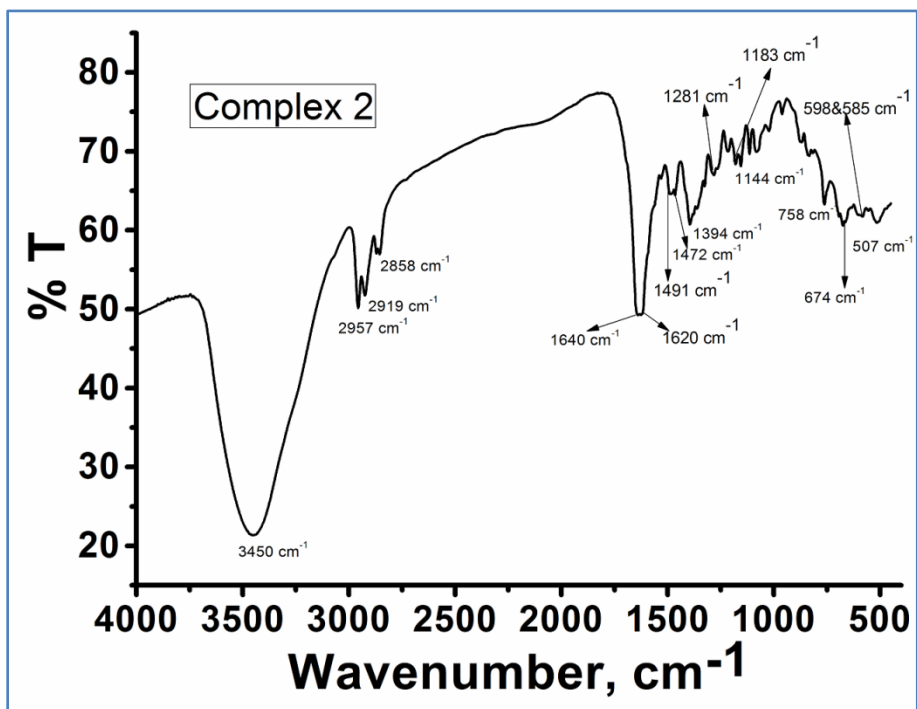
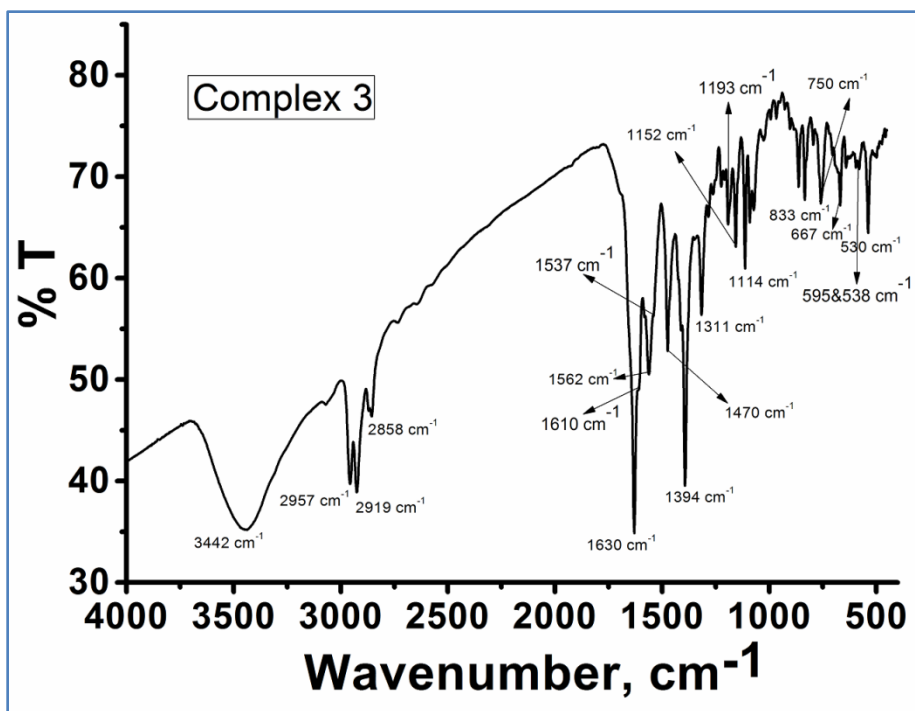


Figure S3. FTIR spectrum of the complex 2.



**Figure S4.** FTIR spectrum of the complex 3.

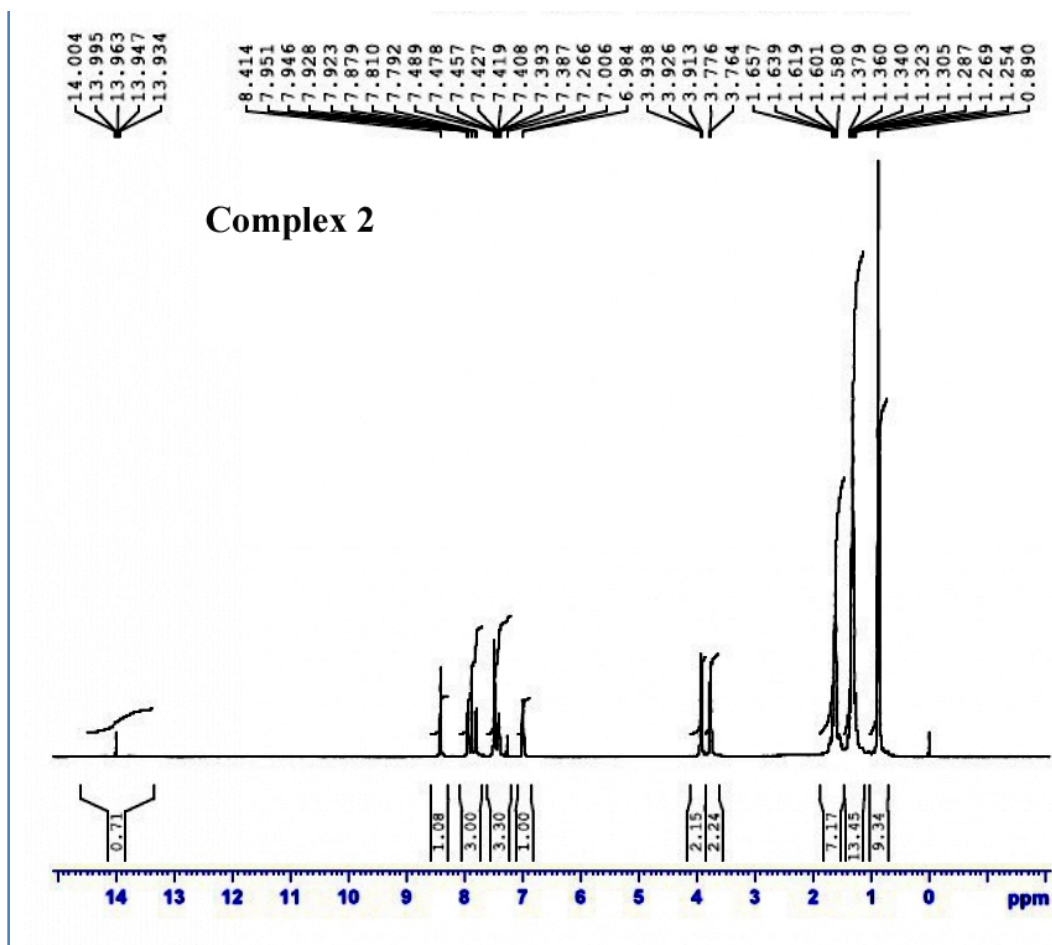


Figure S5.  $^1\text{H}$  NMR spectrum of the complex 2.

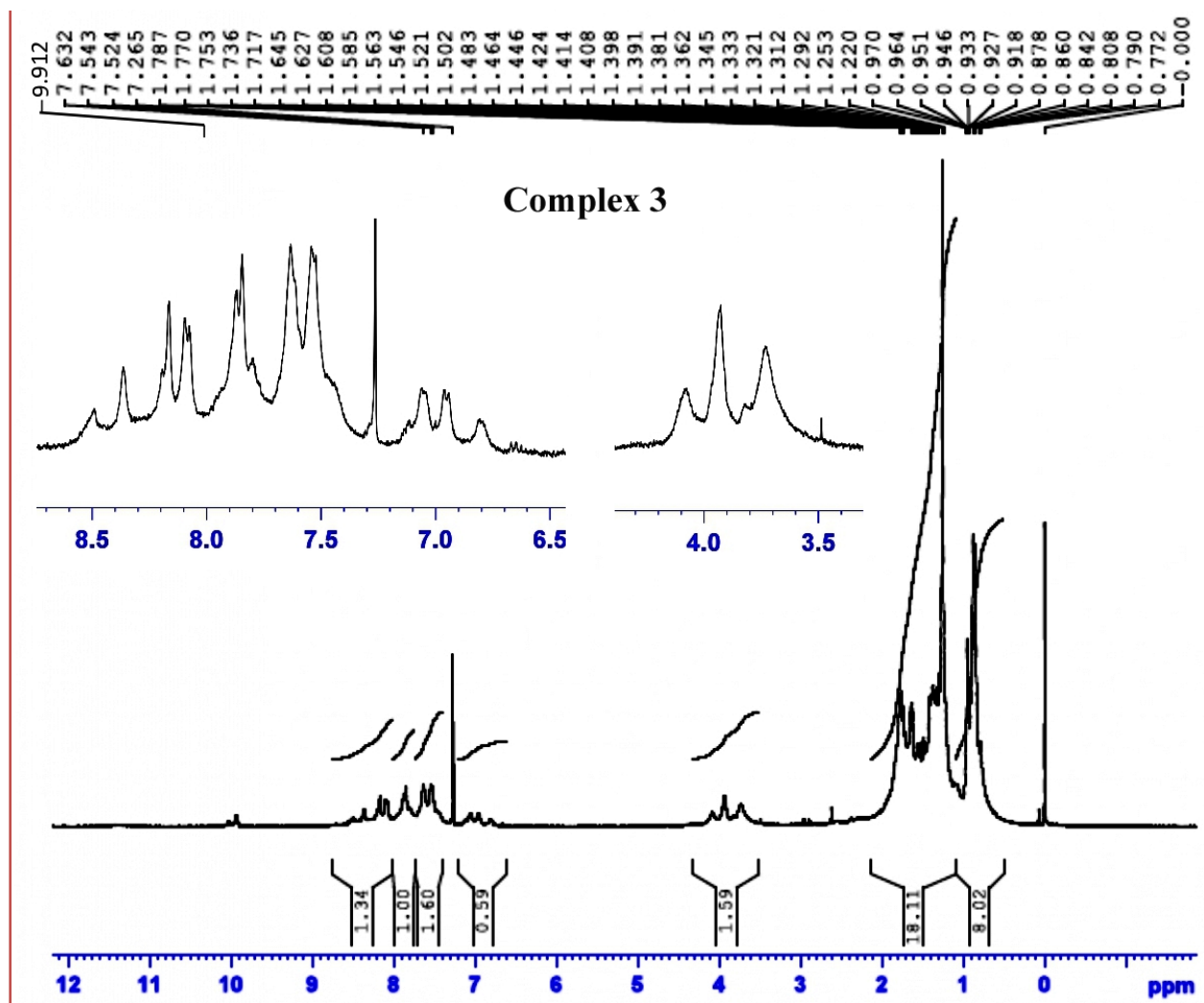
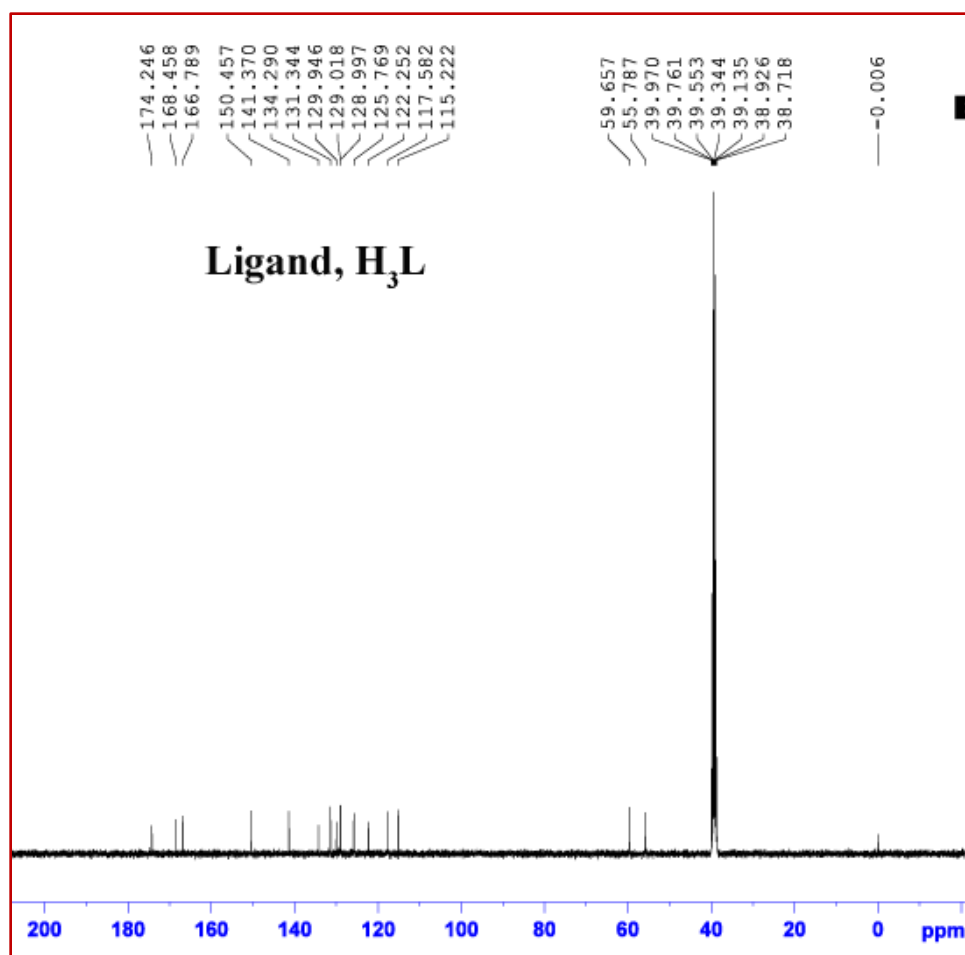
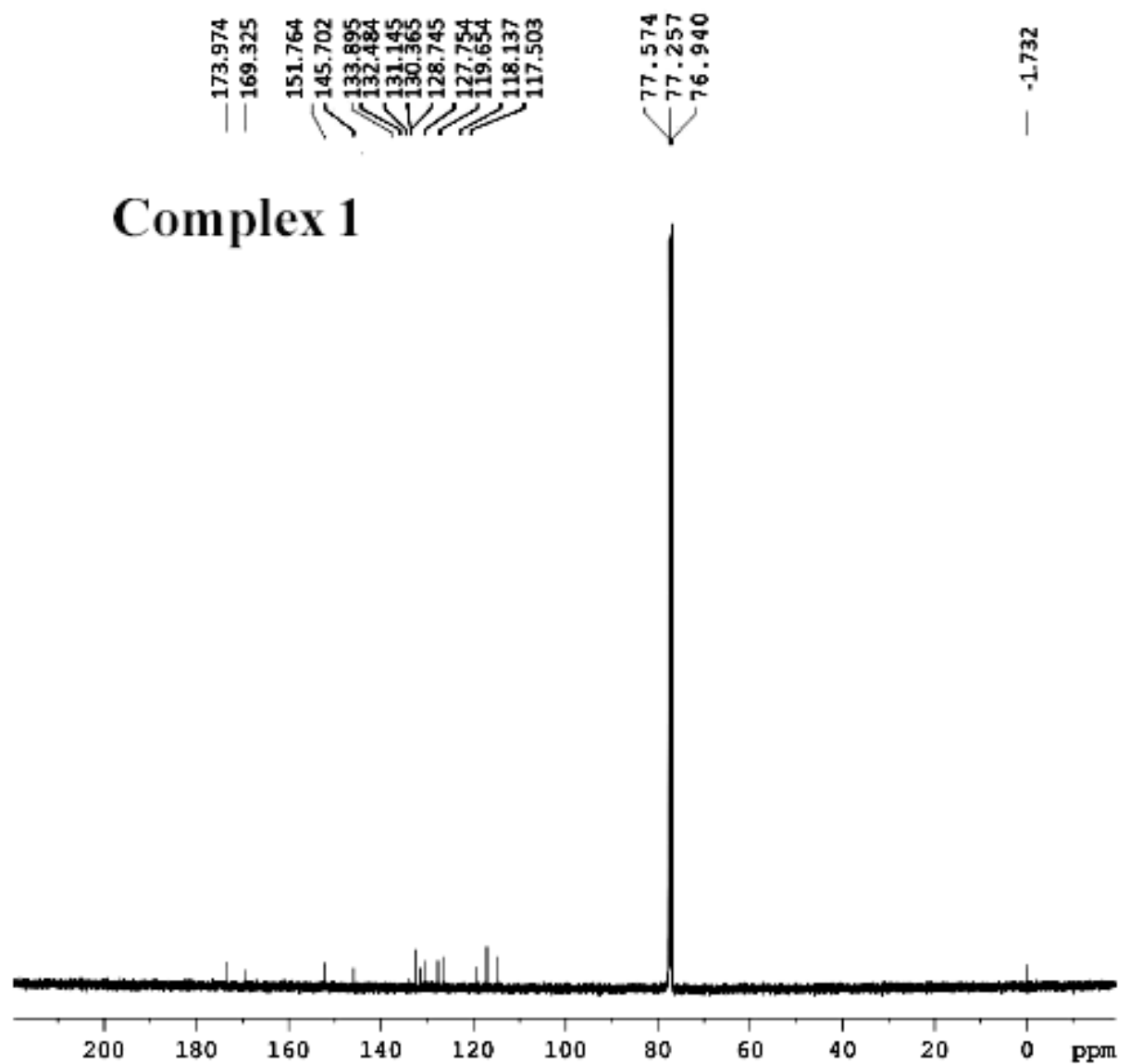


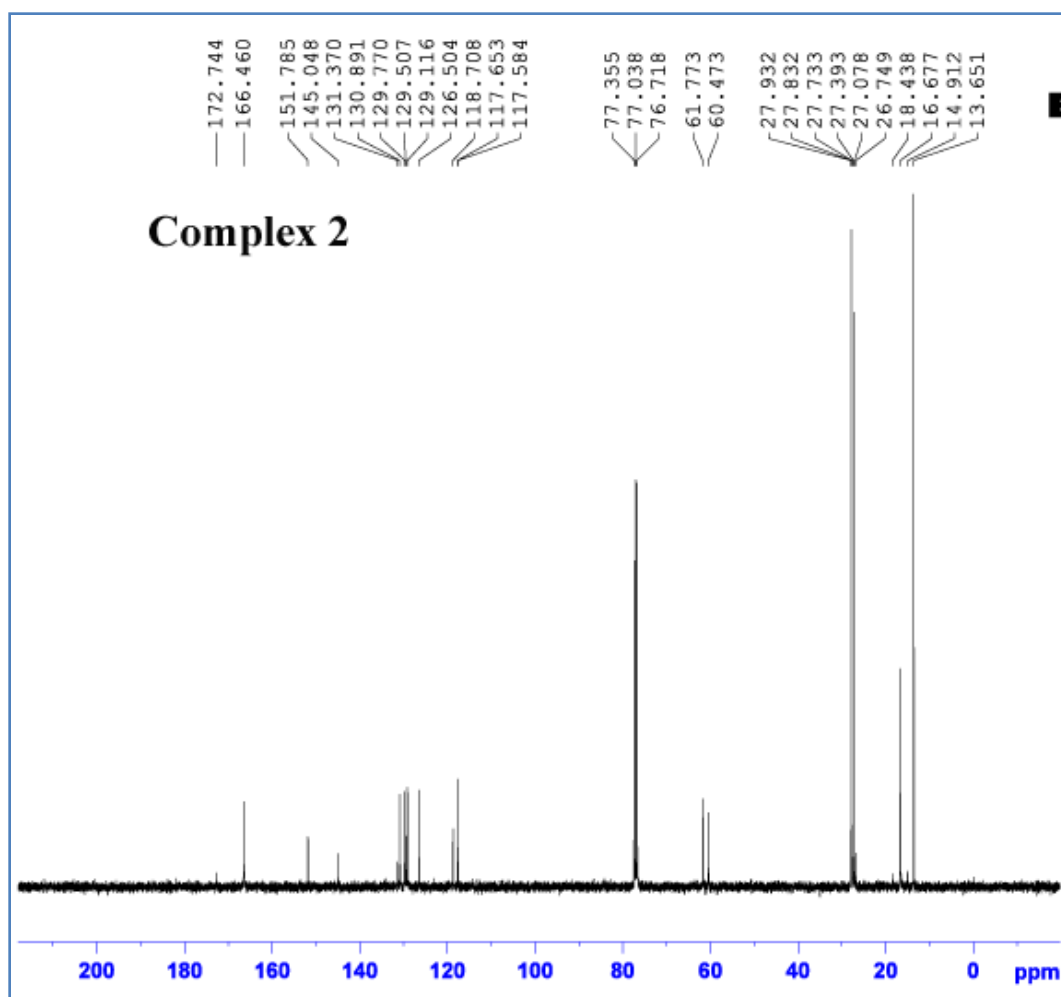
Figure S6.  $^1\text{H}$  NMR spectrum of the complex 3.



**Figure S7.** <sup>13</sup>C NMR spectrum of the ligand, H<sub>3</sub>L.

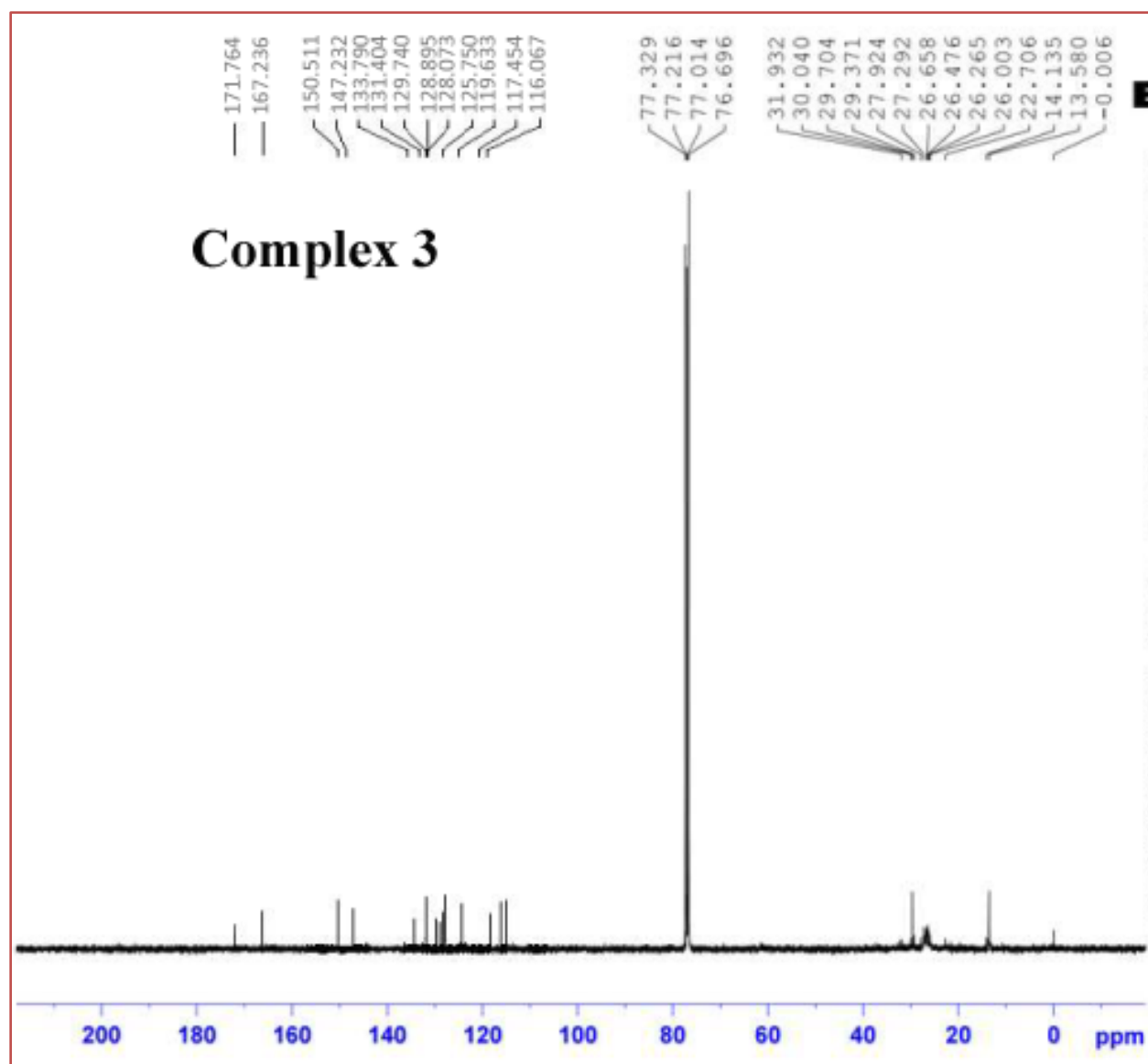


**Figure S8.**  $^{13}\text{C}$  NMR spectrum of the complex 1.

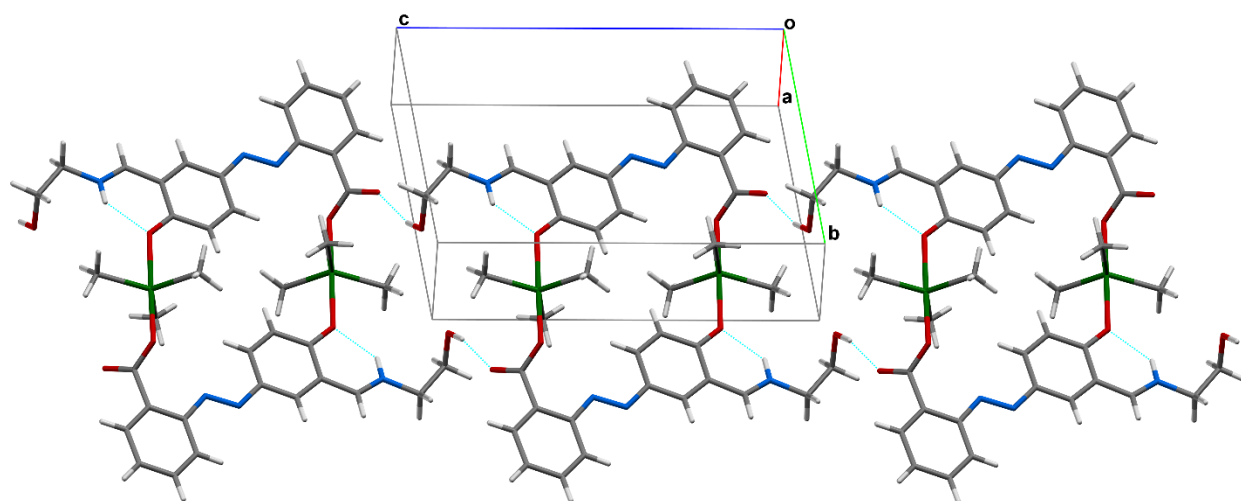


**Figure S9.**  $^{13}\text{C}$  NMR spectrum of the complex **2**.

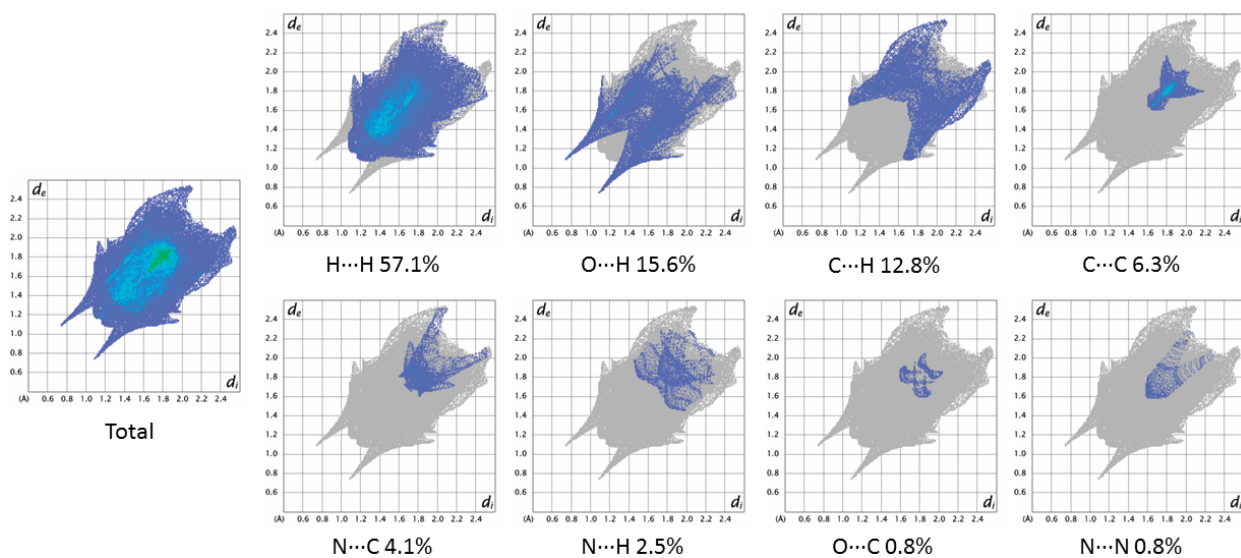




**Figure S10.**  $^{13}\text{C}$  NMR spectrum of the complex **3**.



**Figure S11.** Molecular packing of **1**



**Figure S12.** Fingerprint plots from Hirshfeld surface analysis for the X-ray structure **1**.