

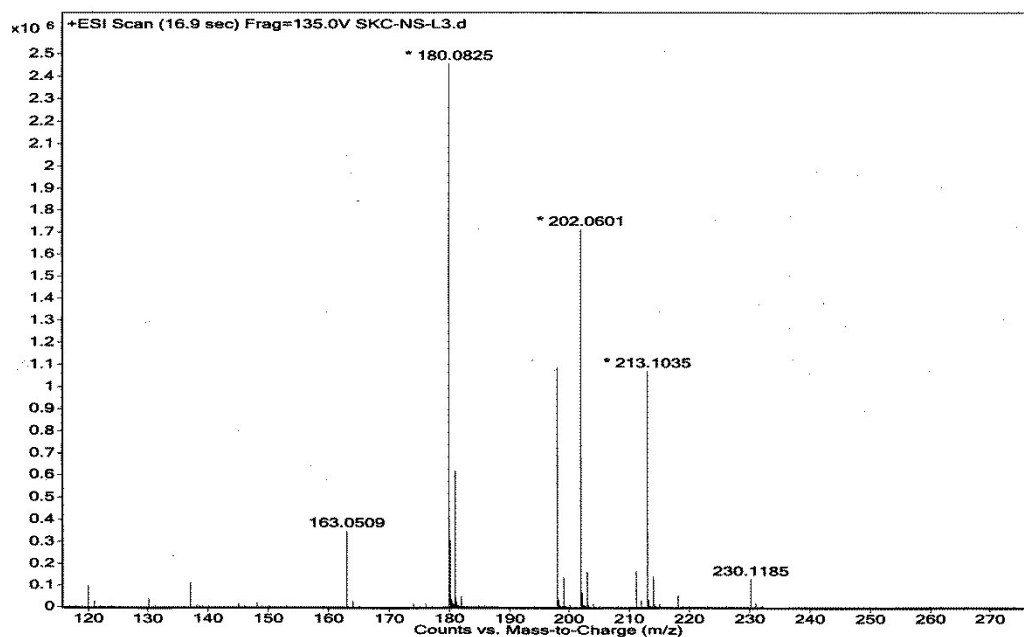


Figure S1: Mass spectrum of H<sub>2</sub>L<sup>1</sup>

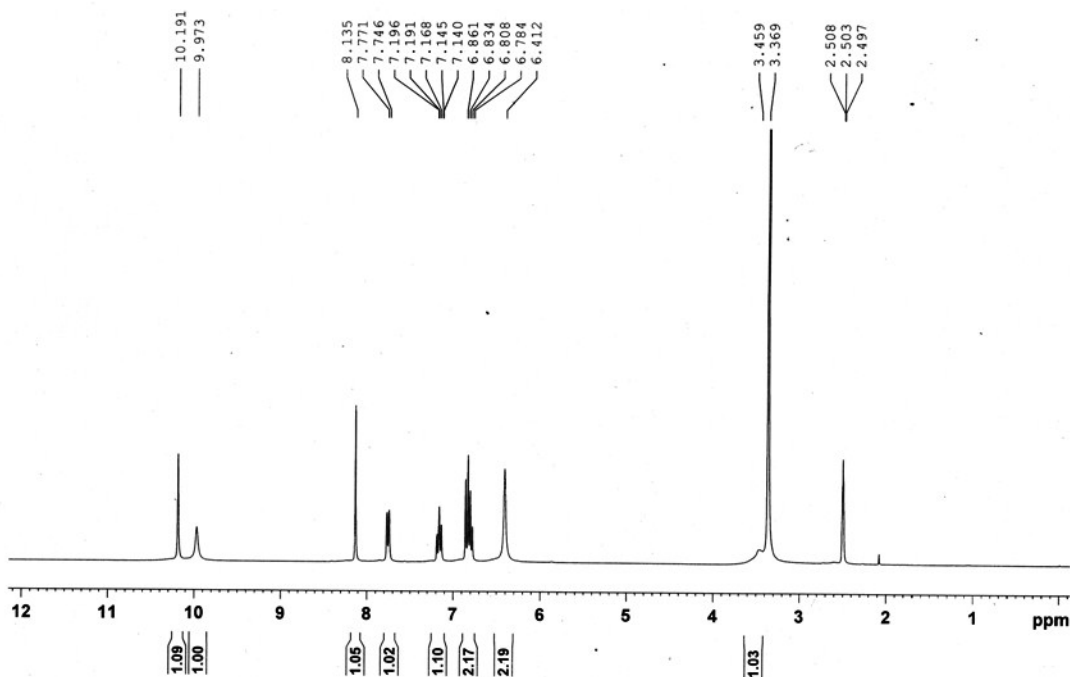
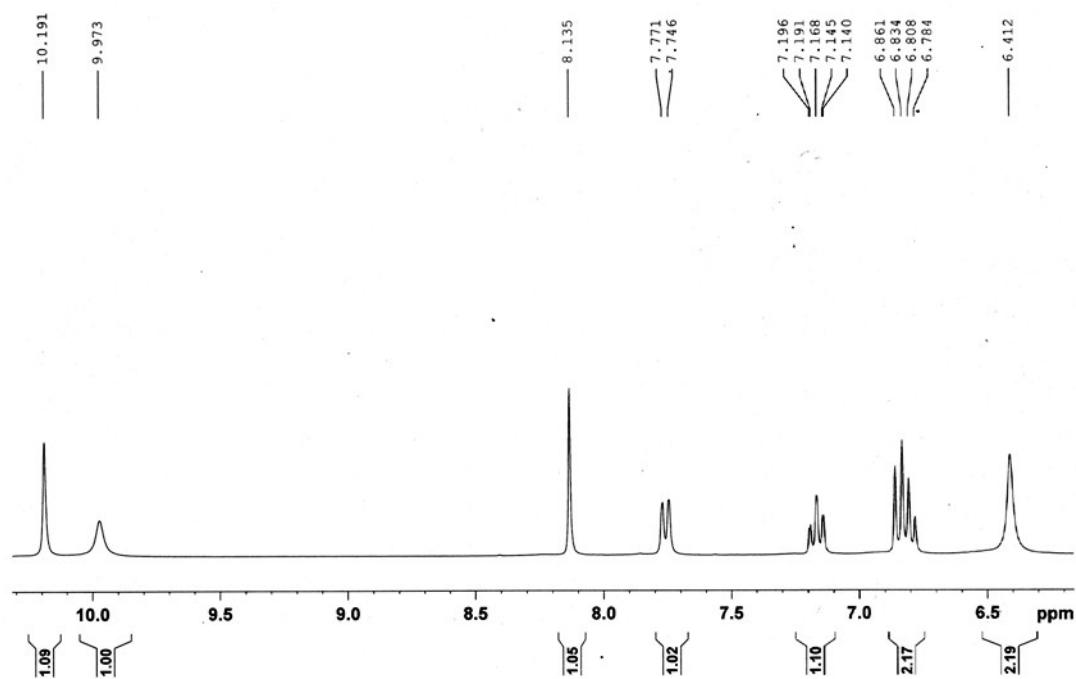
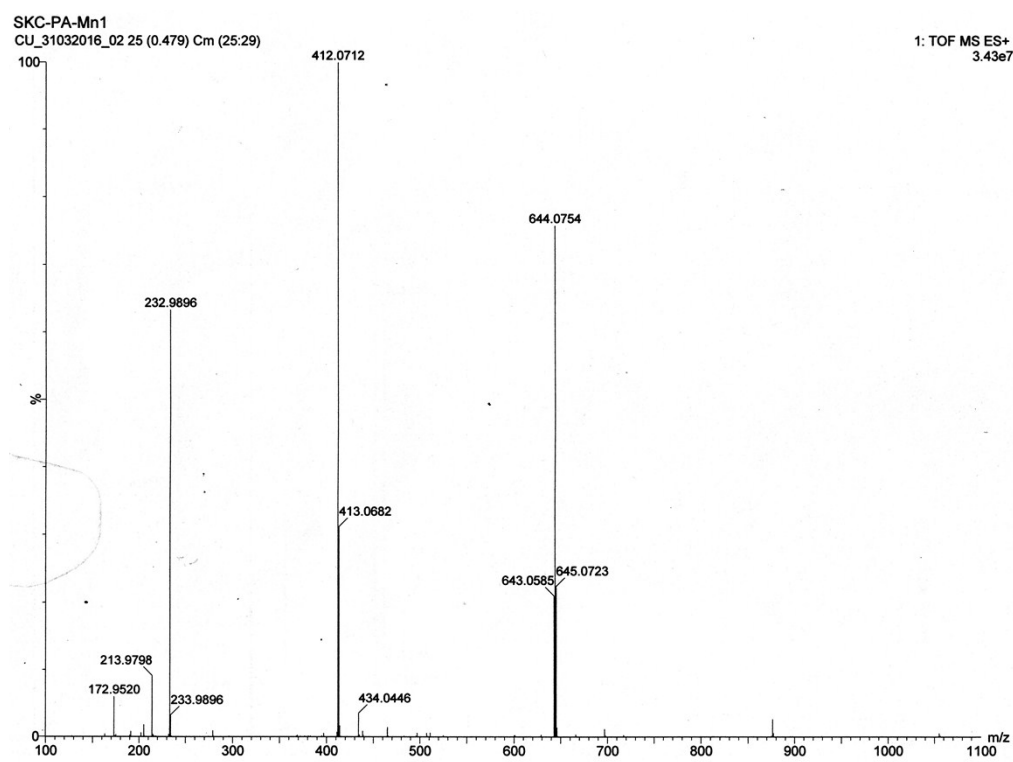


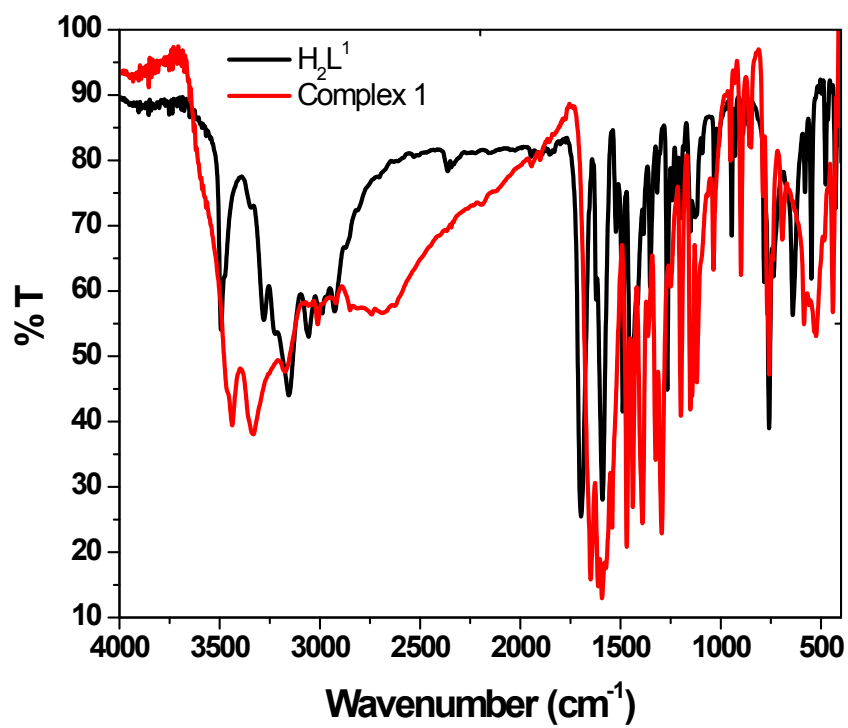
Figure S2: NMR spectrum of H<sub>2</sub>L<sup>1</sup>



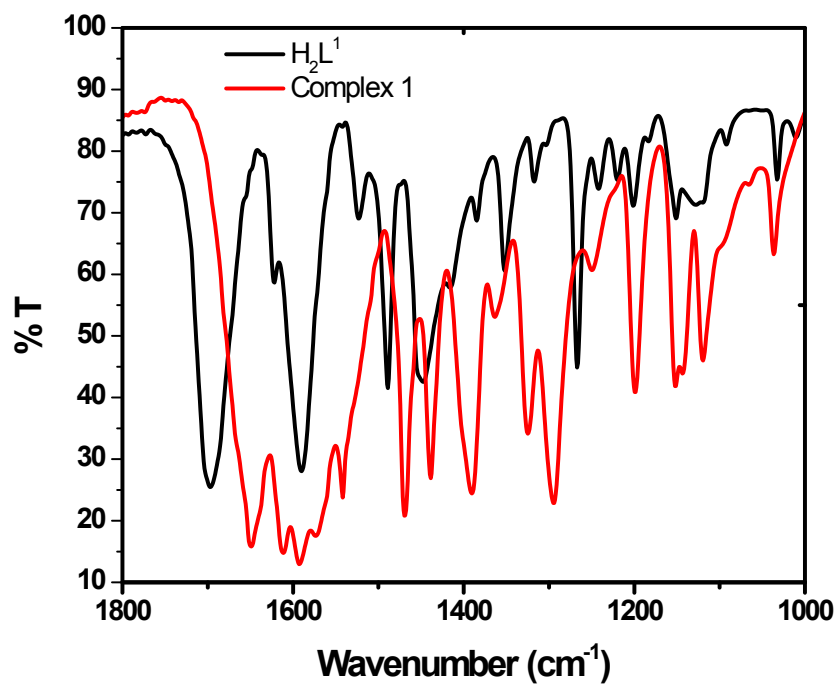
**Figure S3:** Extended NMR spectrum of  $H_2L^1$



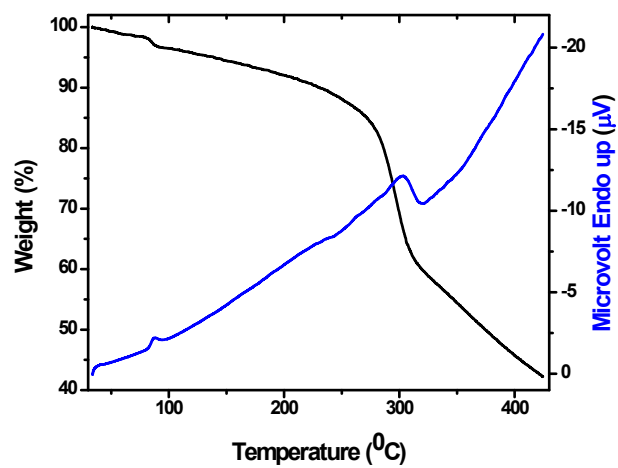
**Figure S4 :** Mass spectrum of Complex 1.



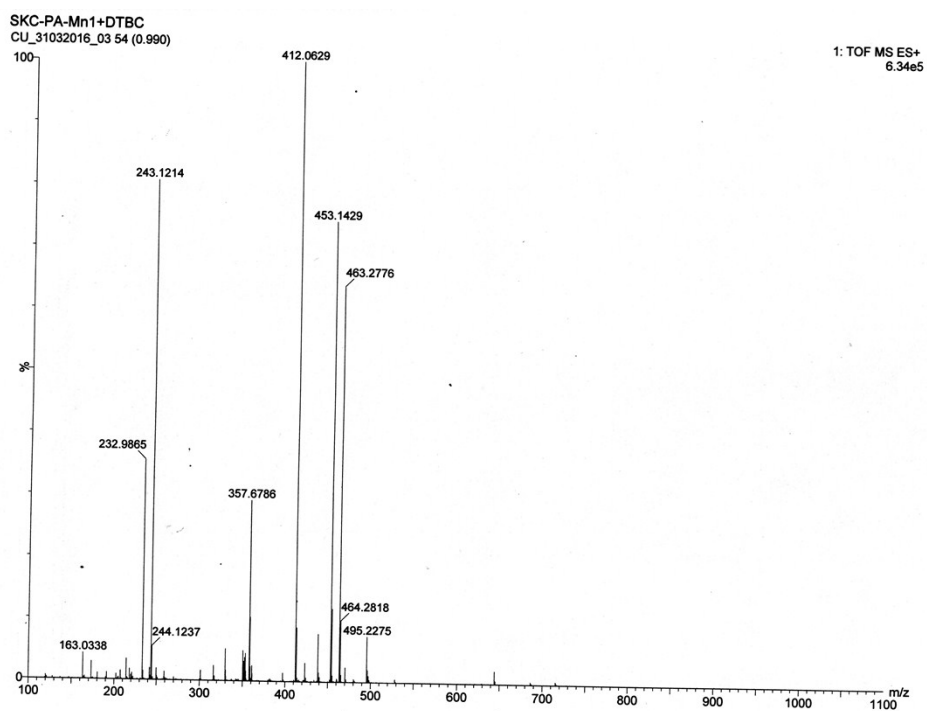
**Figure S5:** IR spectra of  $H_2L^1$  and Complex 1



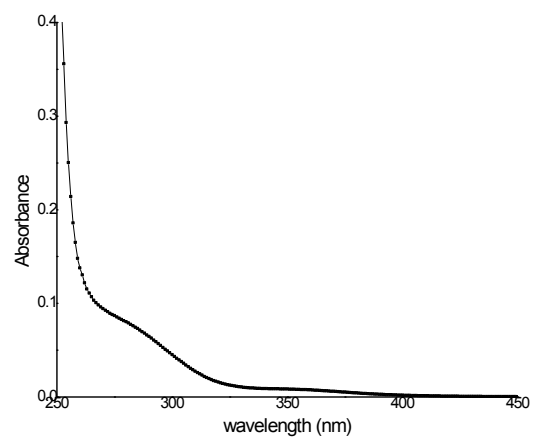
**Figure S6:** Extended IR spectra of  $H_2L^1$  and Complex 1.



**Figure S7:** TG DTA Curve for complex  $1 \cdot 0.5H_2O$ .



**Figure S8:** Mass spectrum of complex **1** in presence of DTBC.



**Figure S9:** Electronic spectra of  $I_3^-$  generated during blank experiment.