

Supplementary Information

Synthesis, characterization and antimicrobial studies of novel Schiff base and its 3d series metal complexes

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Spectras of Synthesized Compounds

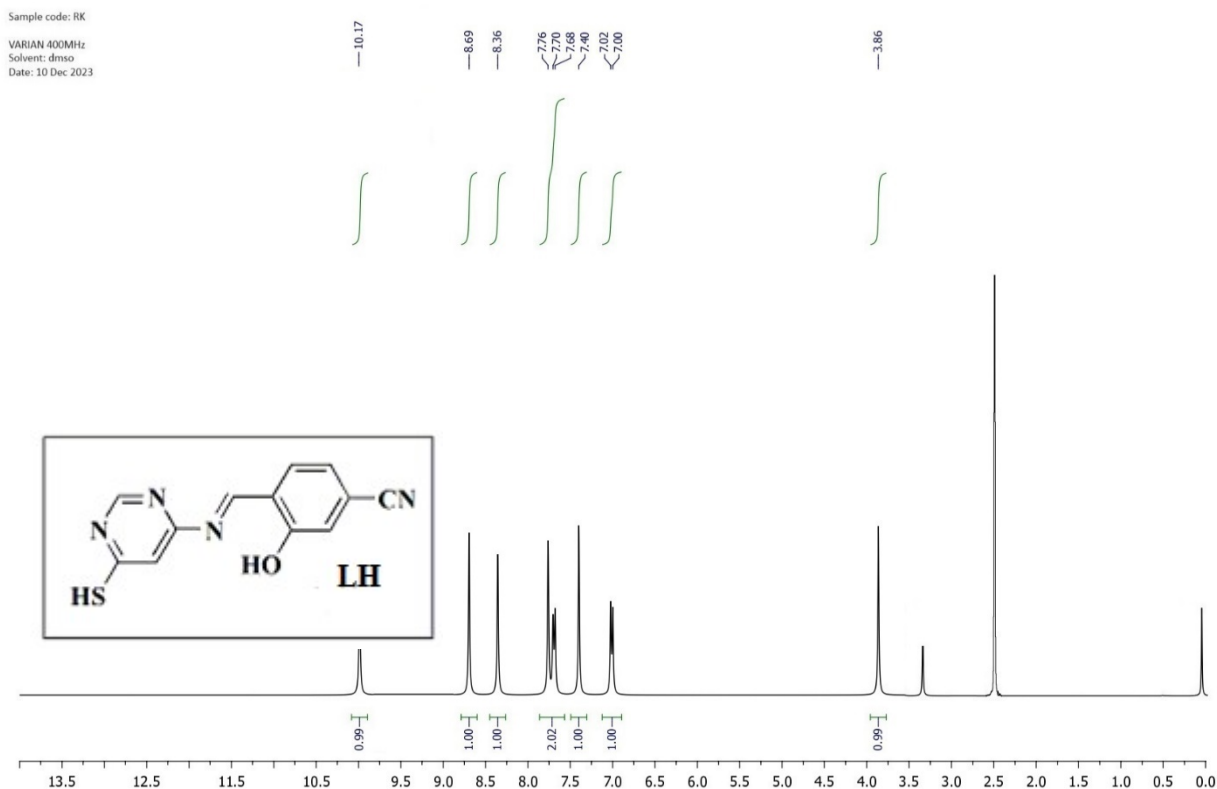


Figure 1S. ^1H NMR Spectrum of ligand (LH)

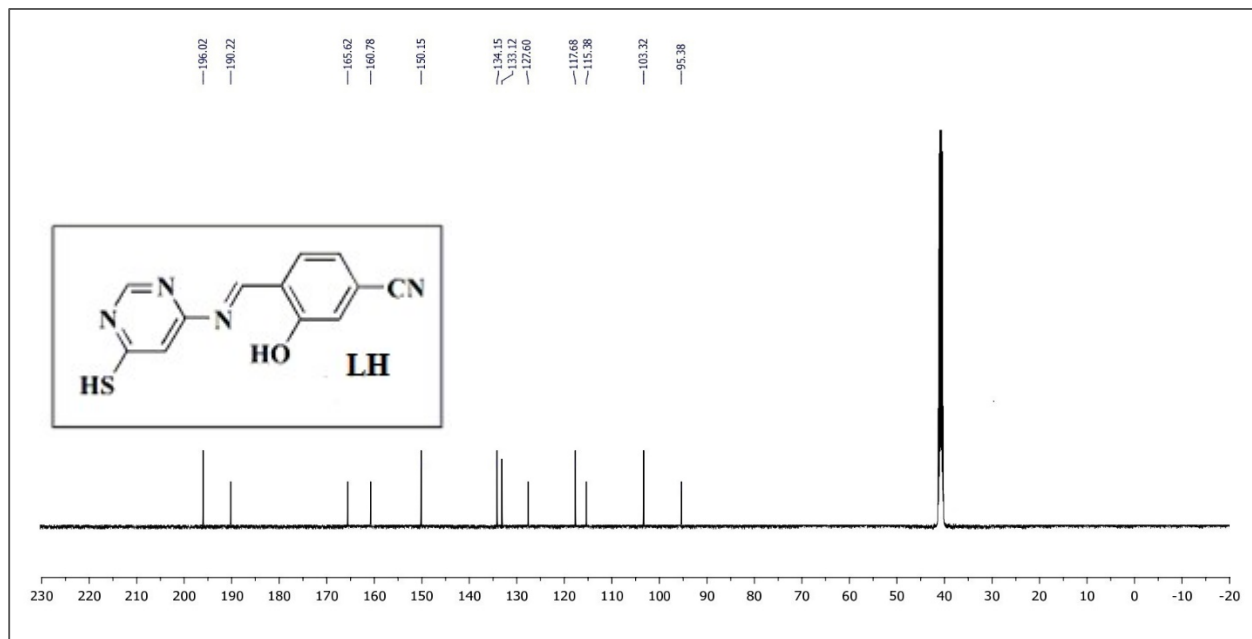


Figure 2S. ^{13}C NMR Spectrum of ligand (LH)

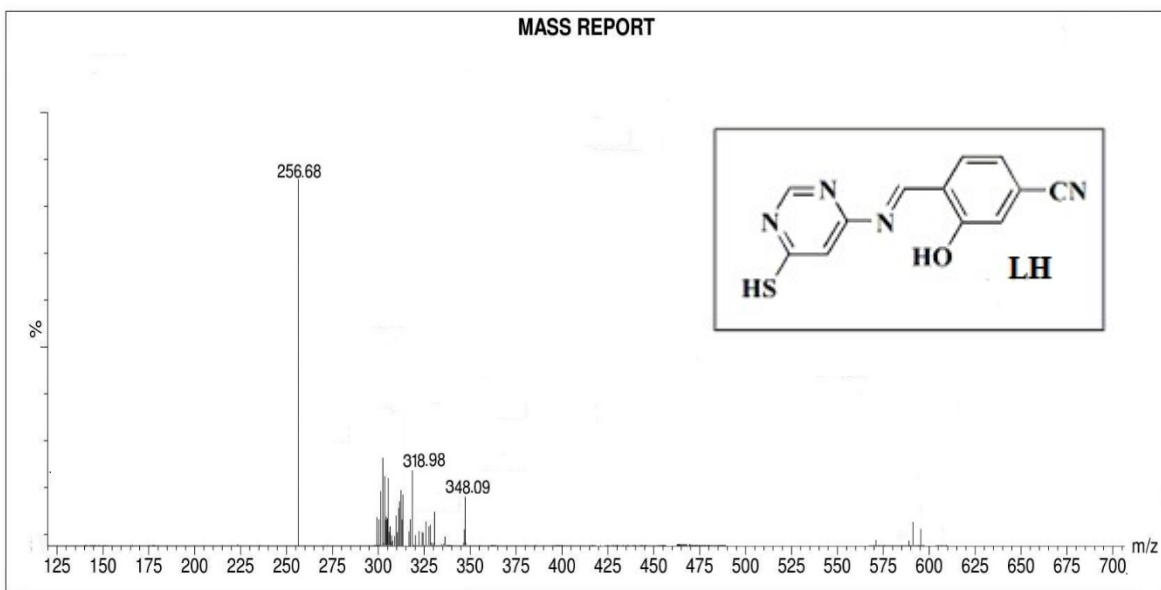
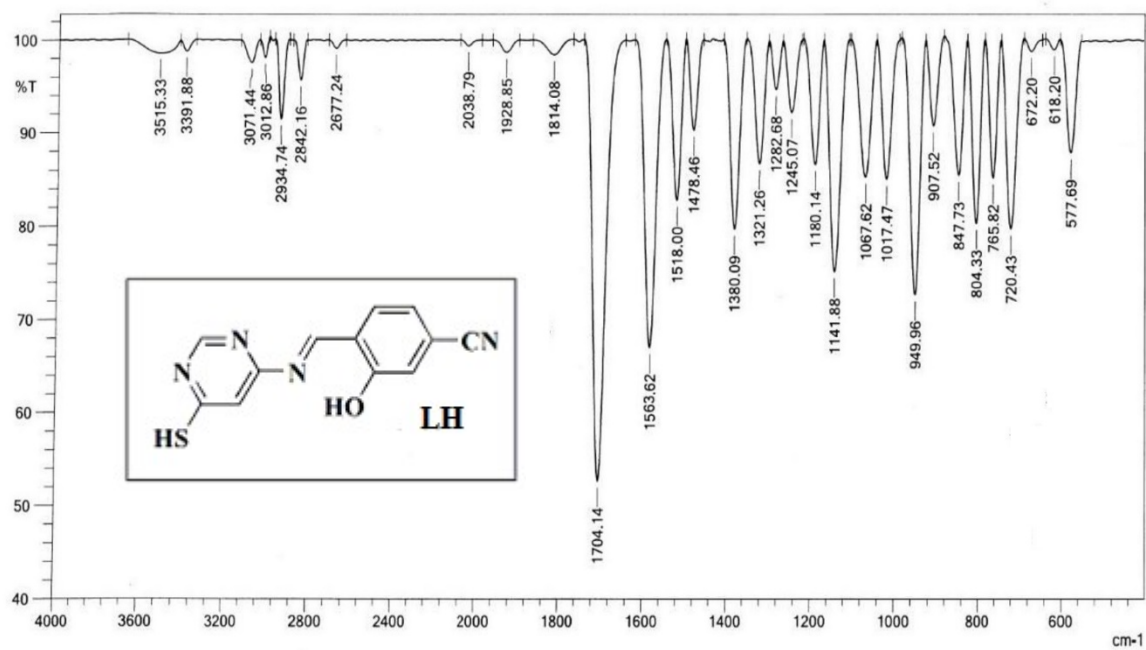


Figure 3S. Mass Spectrum of ligand (LH)



Sample Name : C6113-042-01

Date : 16-Sep-2023 02:19:58 PM

Sample ID : 512209D4998

Instrument ID : ANL-MCL1-FT-IR-002

Figure 4S. IR Spectrum of ligand (LH)

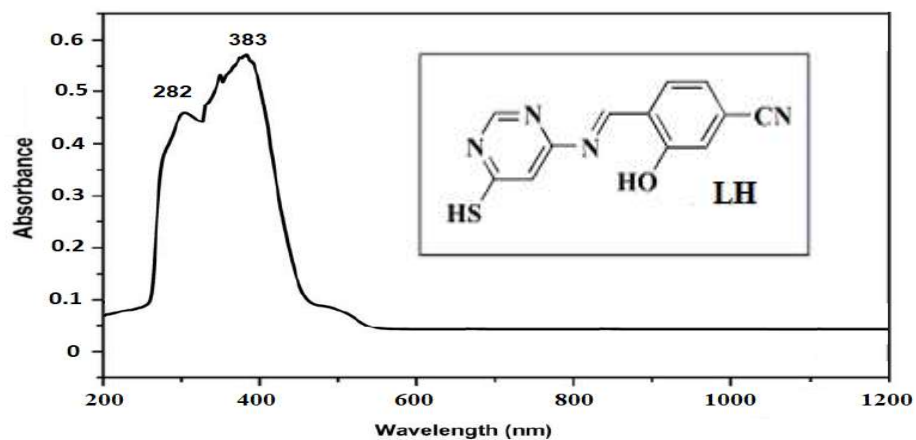


Figure 5S. UV Visible Spectrum of ligand (LH)

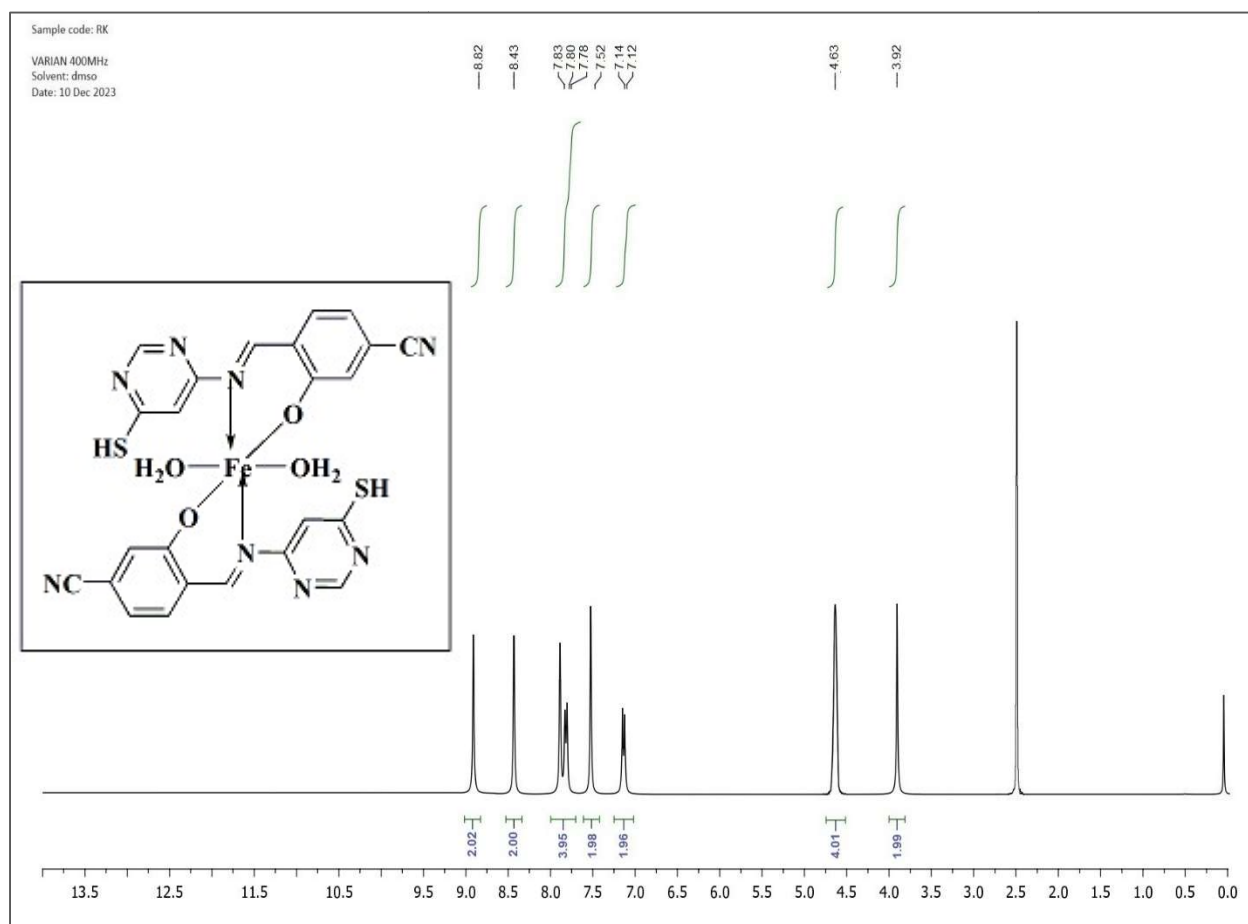


Figure 6S. ¹H NMR Spectrum of Fe complex

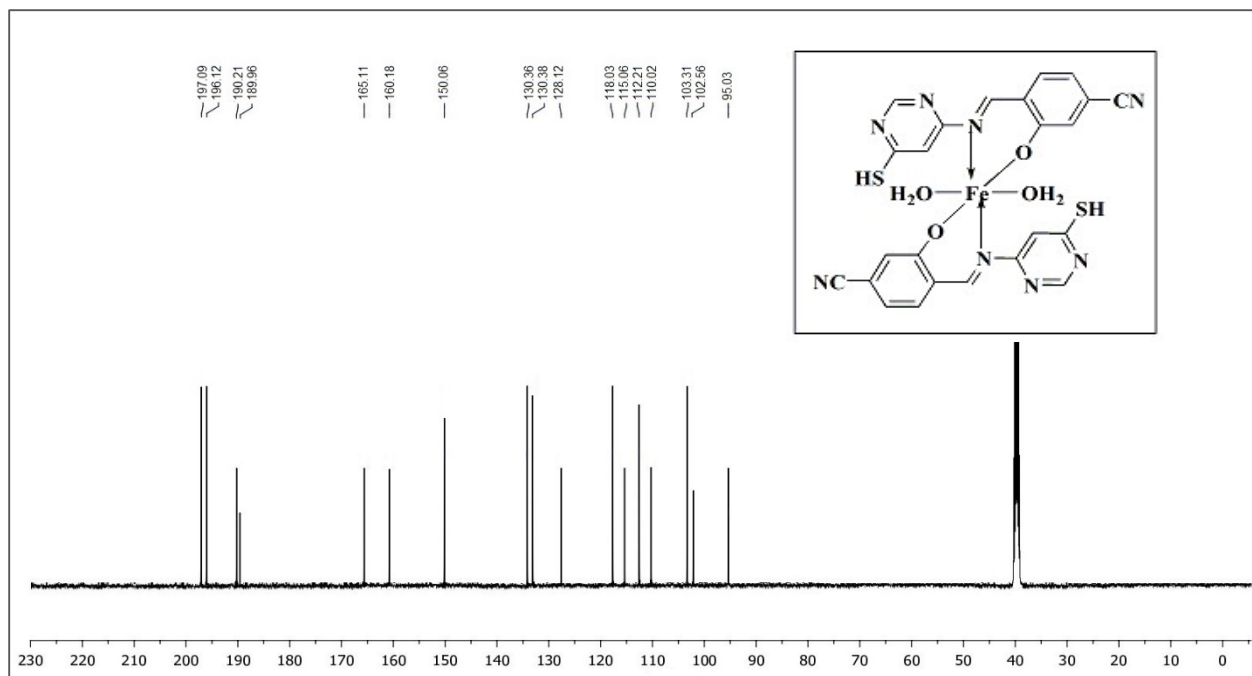


Figure 7S. ^{13}C NMR Spectrum of Fe complex

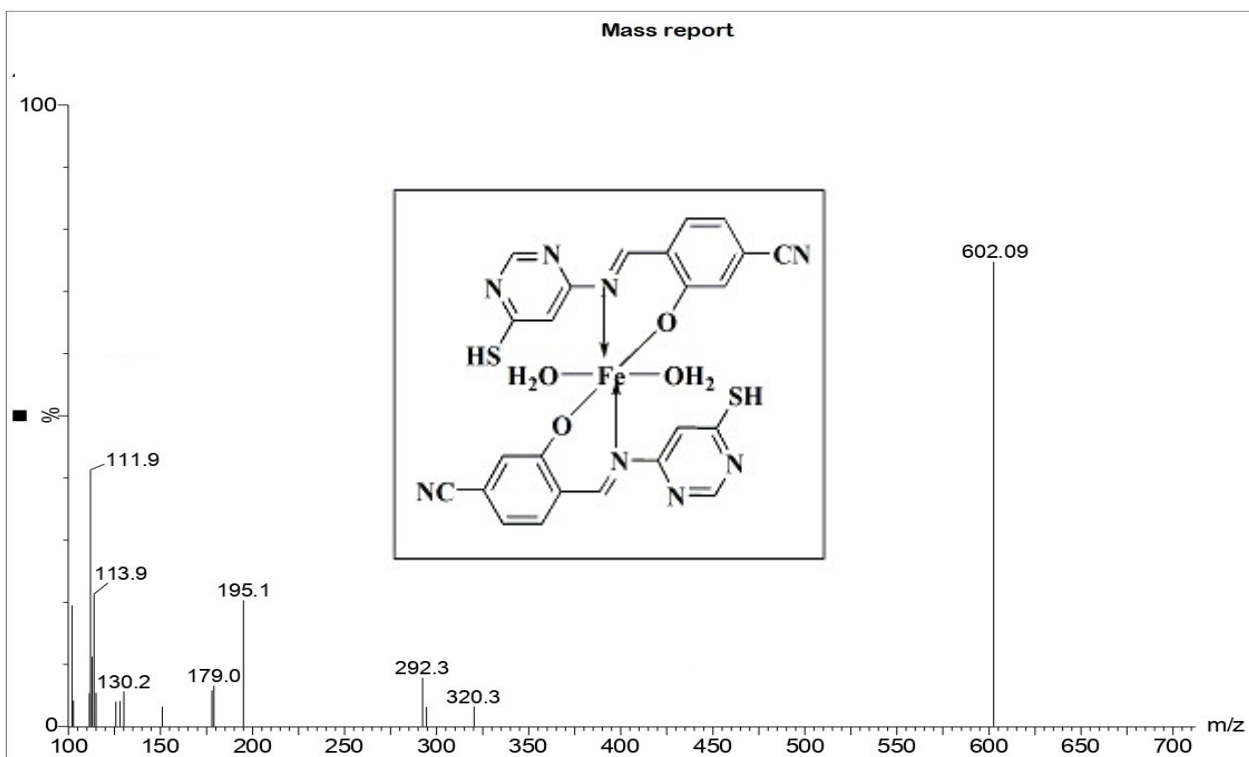


Figure 8S. Mass Spectrum of Fe complex

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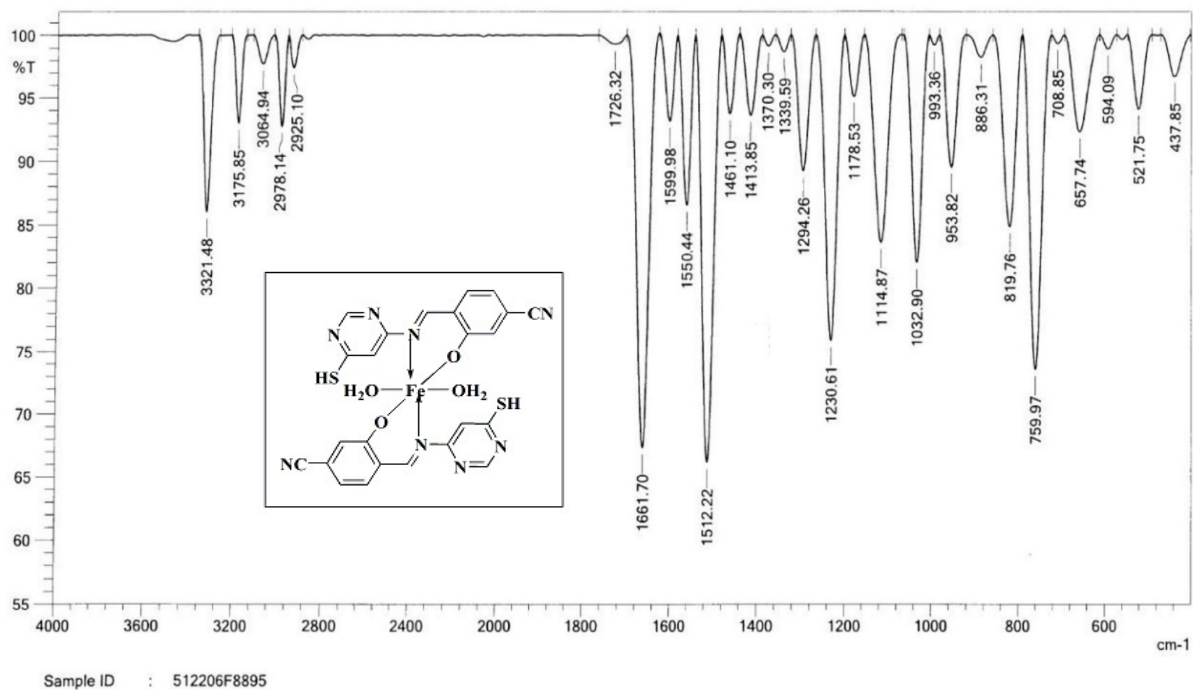


Figure 9S. IR Spectrum of Fe complex

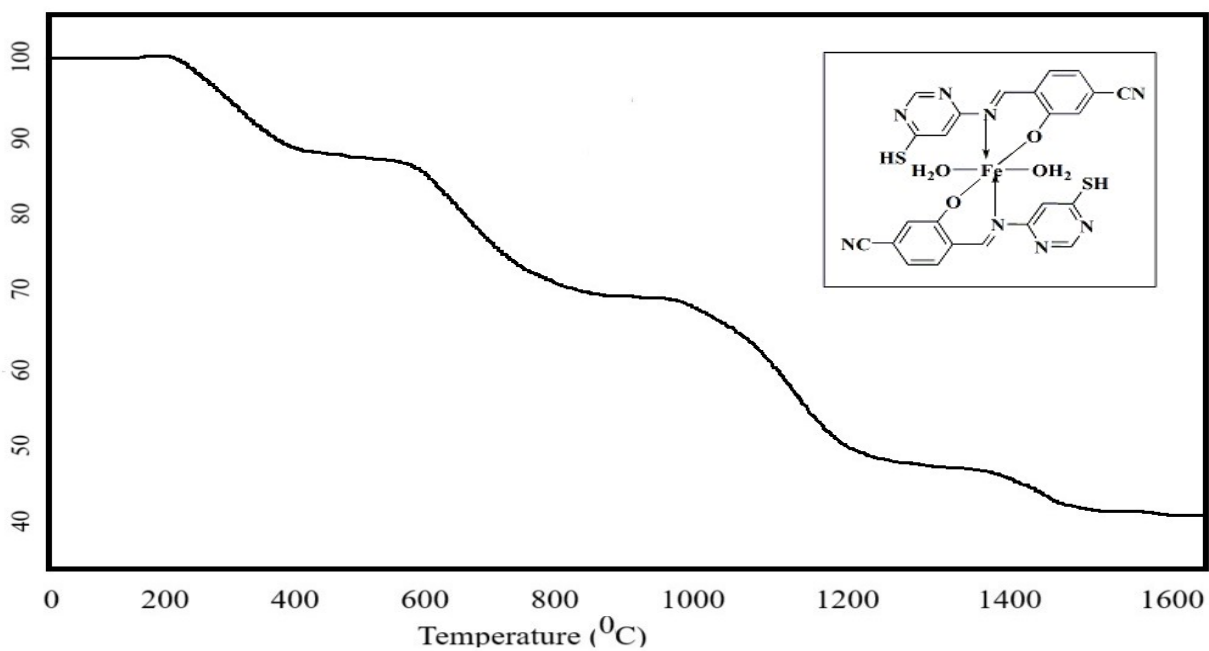


Figure 10S. TGA of Fe complex

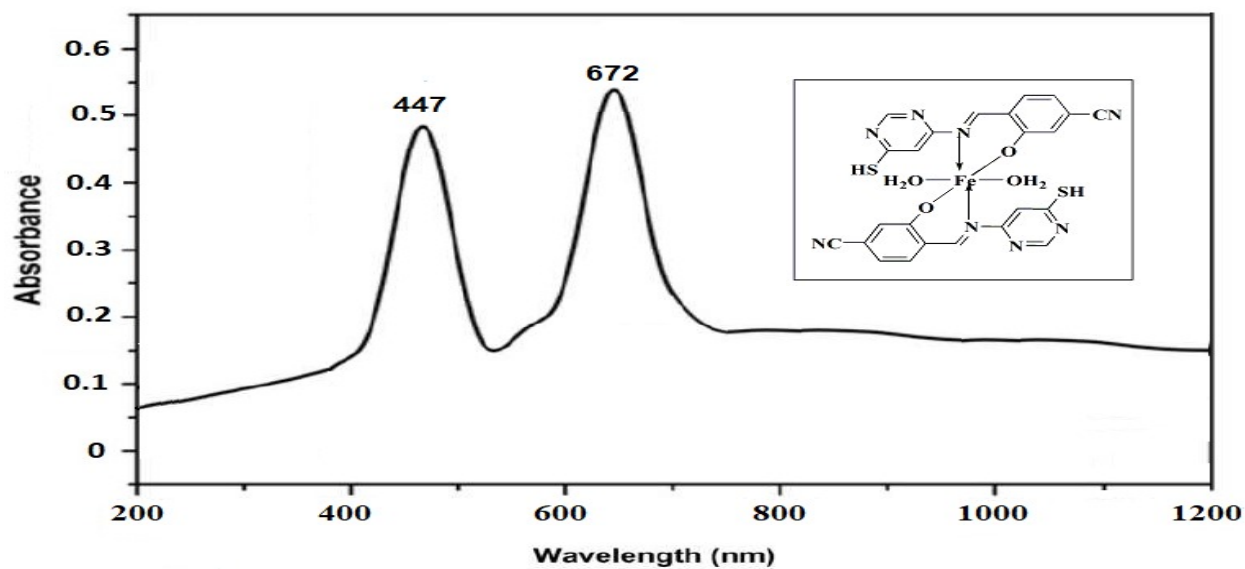


Figure 11S. UV Visible Spectrum of Fe complex

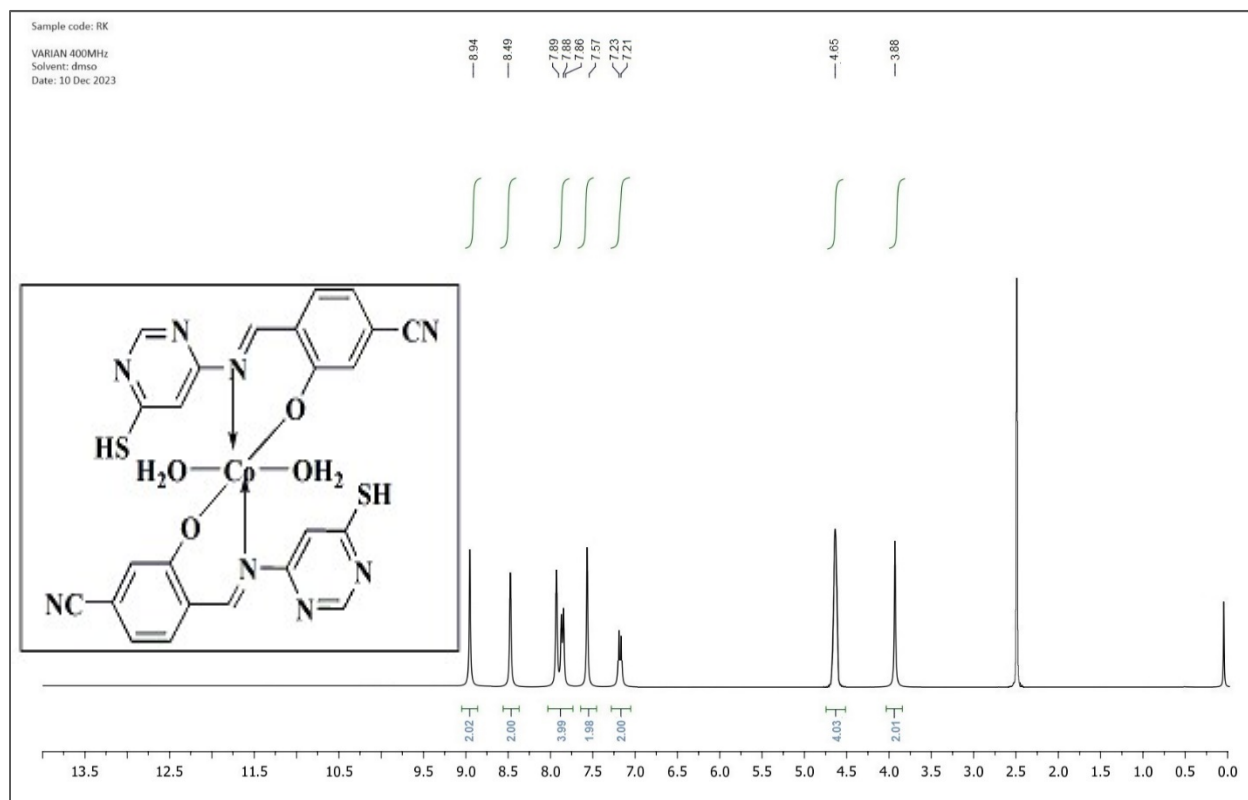
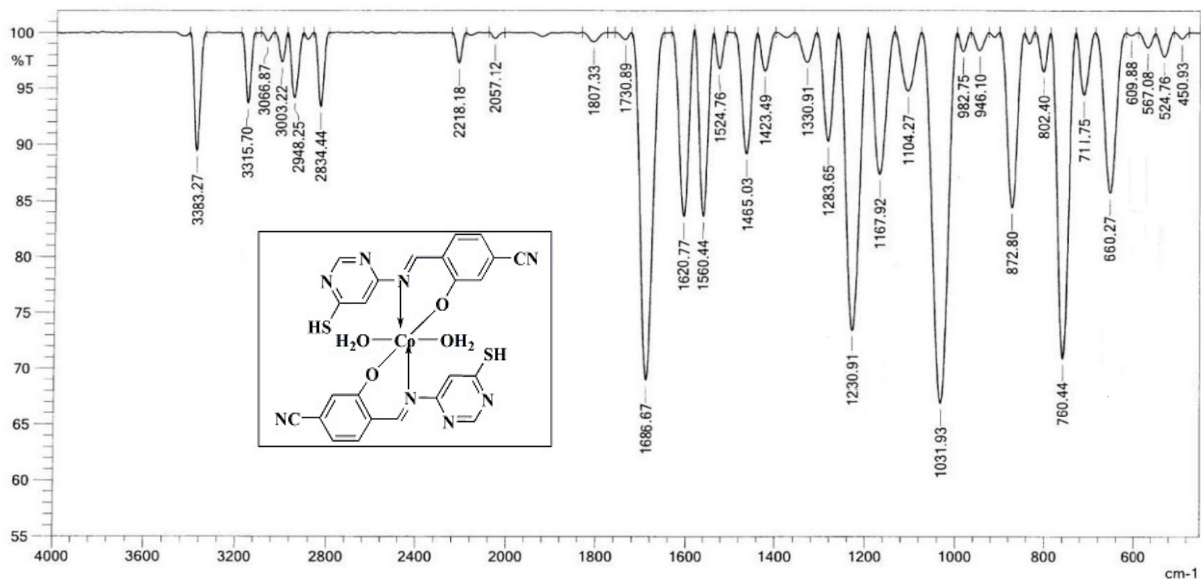


Figure 12S. ¹H NMR Spectrum of Co complex

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Sample ID : 512206F4986

Instrument ID : ANL-MCL1-FT-IR-002

Figure 15S. IR Spectrum of Co complex

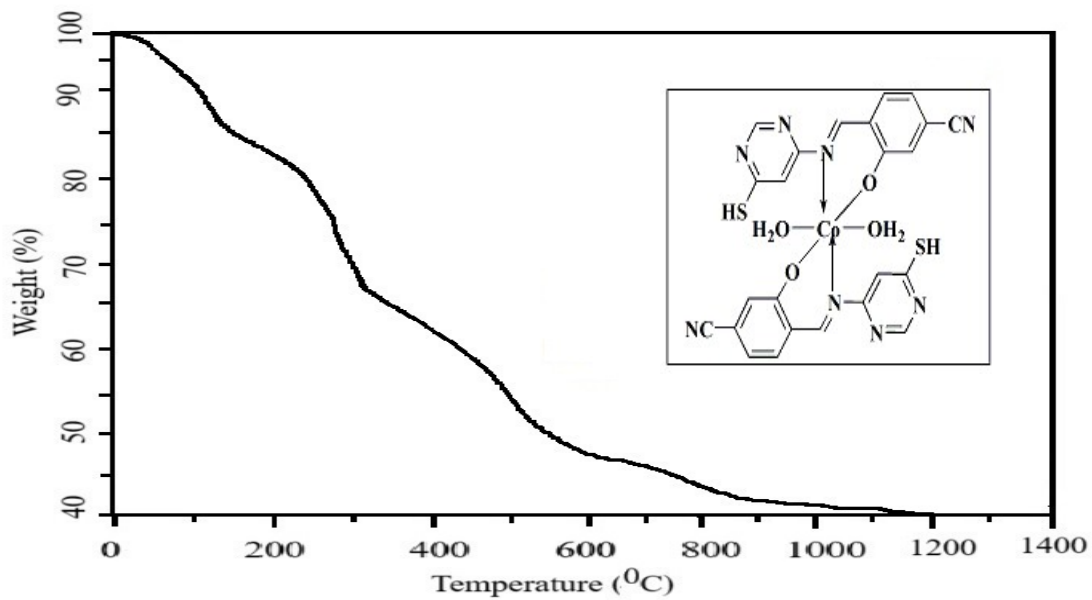


Figure 16S. TGA of Co complex

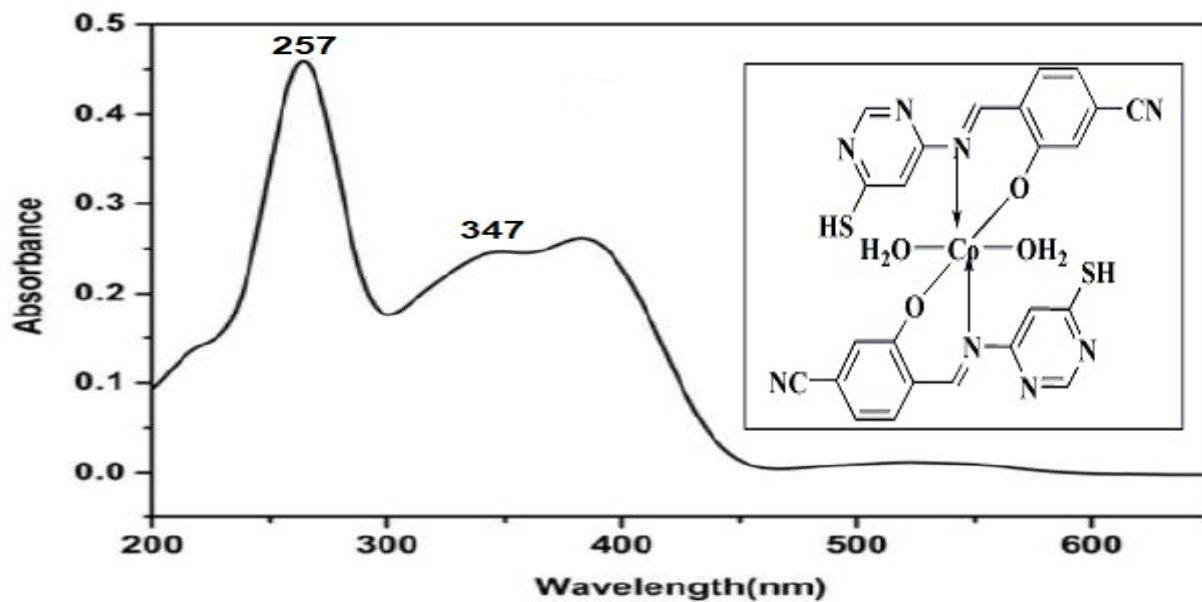


Figure 17S. UV Visible spectrum of Co complex

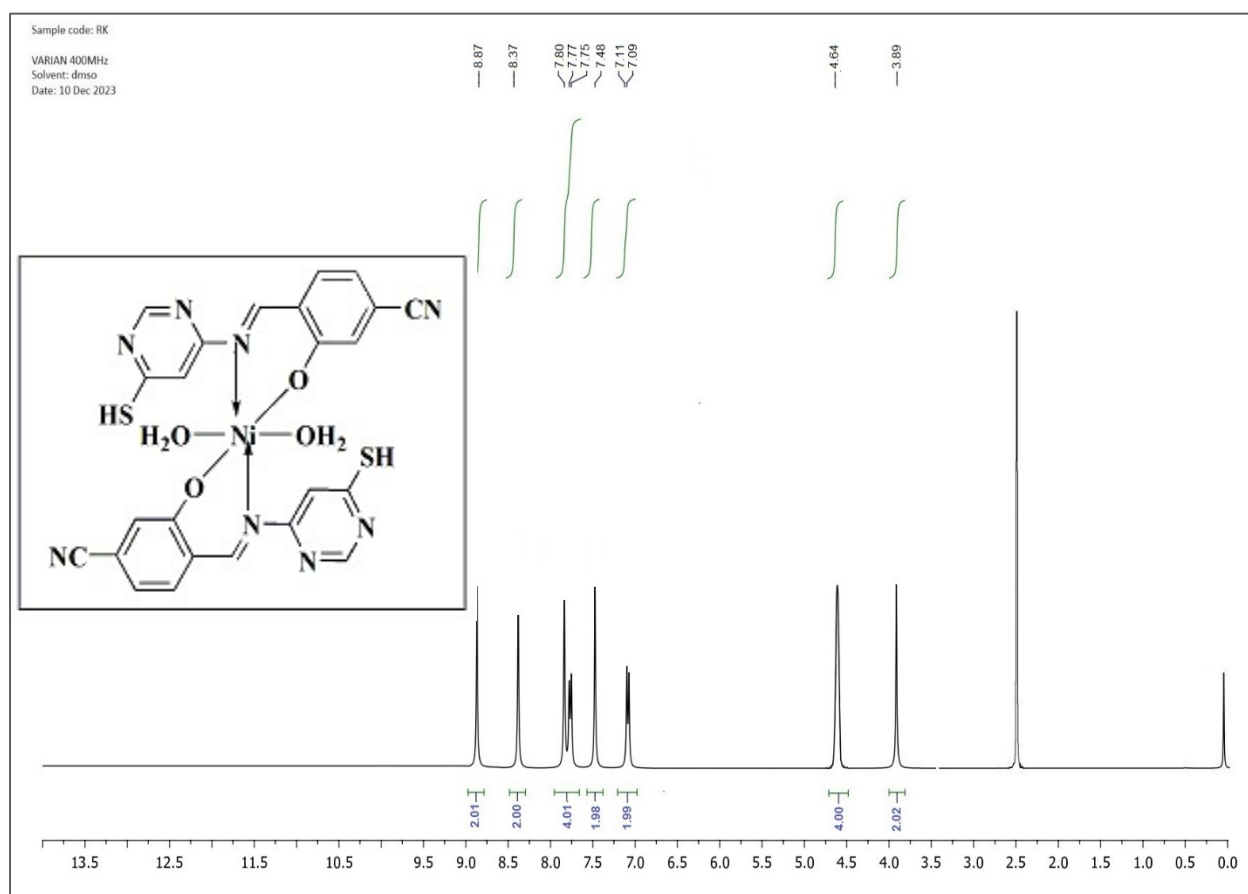


Figure 18S. ¹H NMR Spectrum of Ni complex

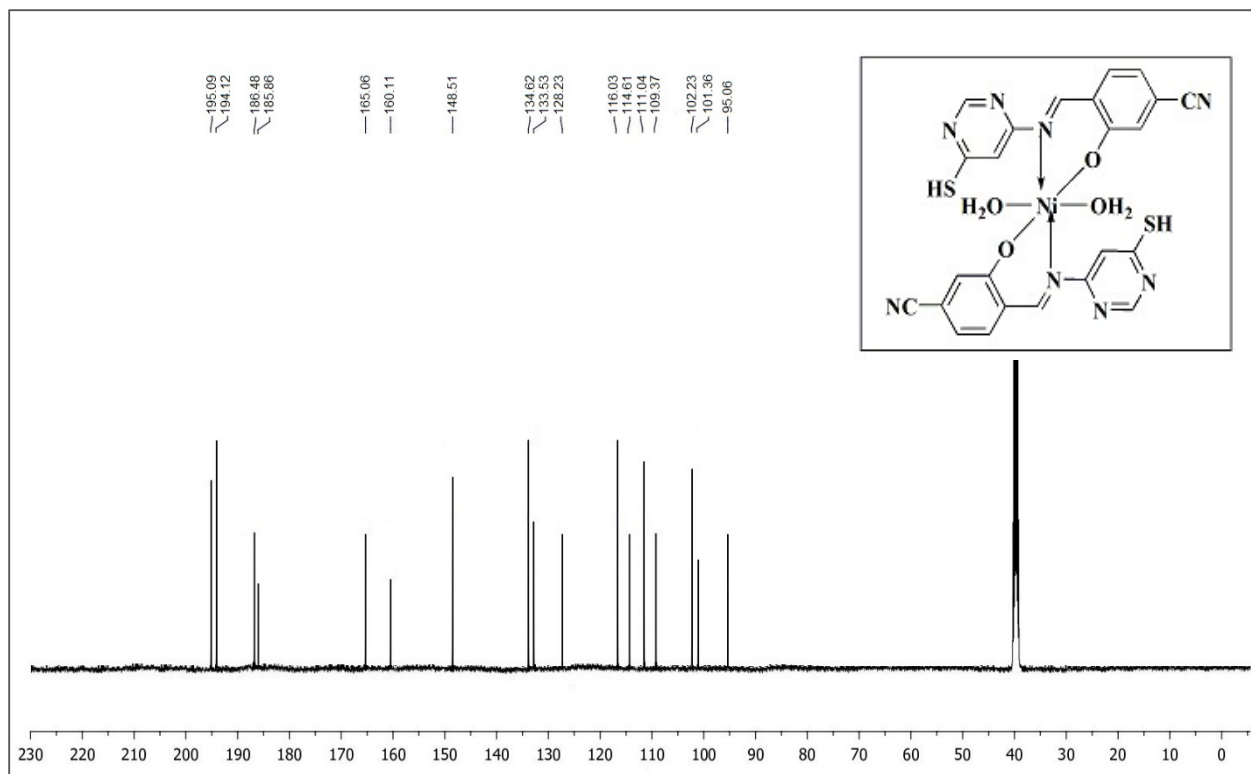


Figure 19S. ^{13}C NMR Spectrum of Ni complex

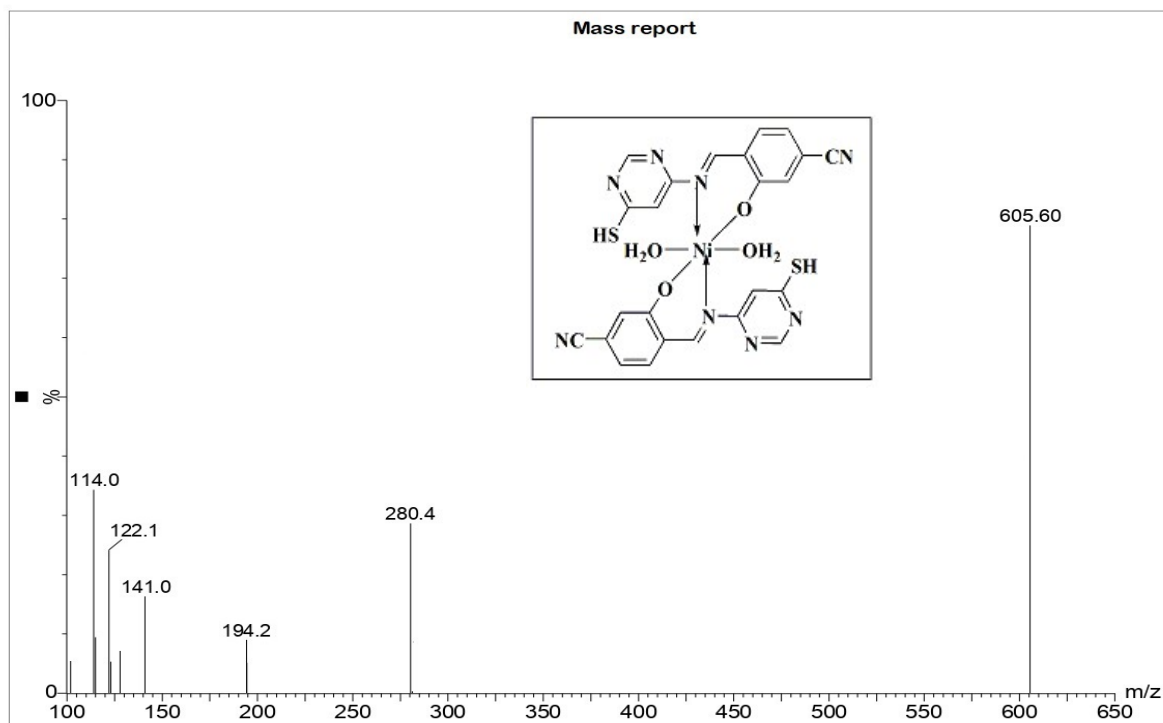


Figure 20S. Mass Spectrum of Ni complex

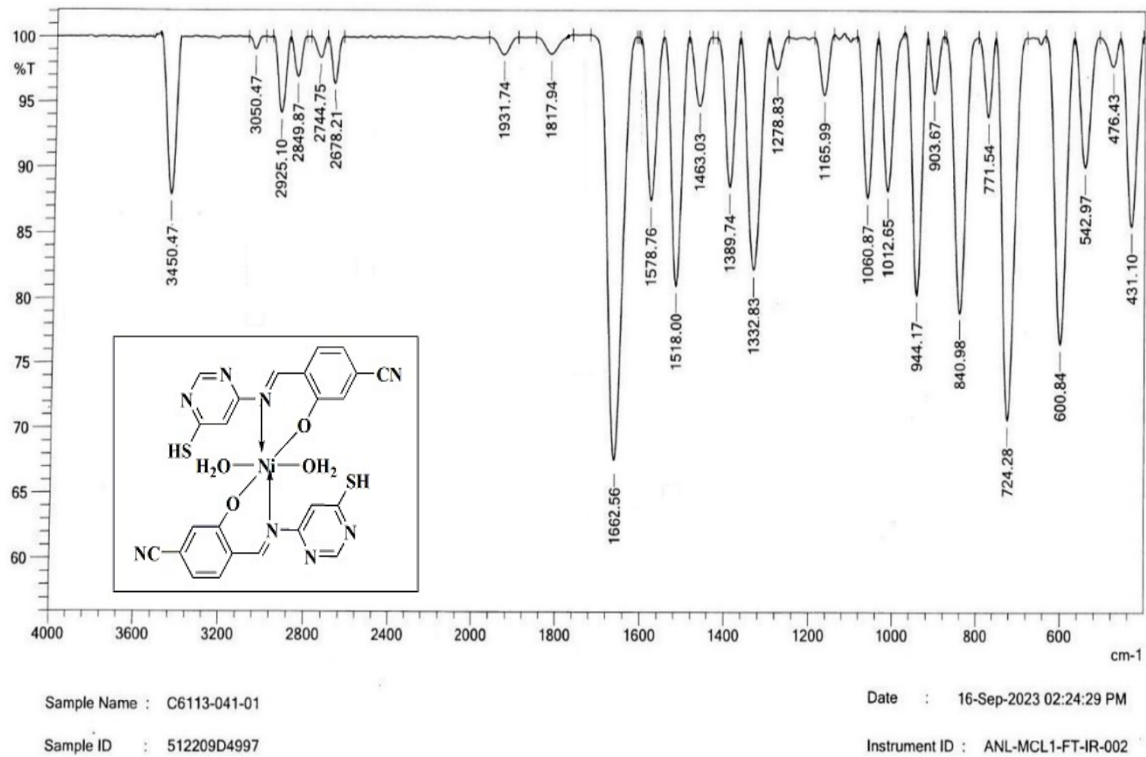


Figure 21S. IR Spectrum of Ni complex

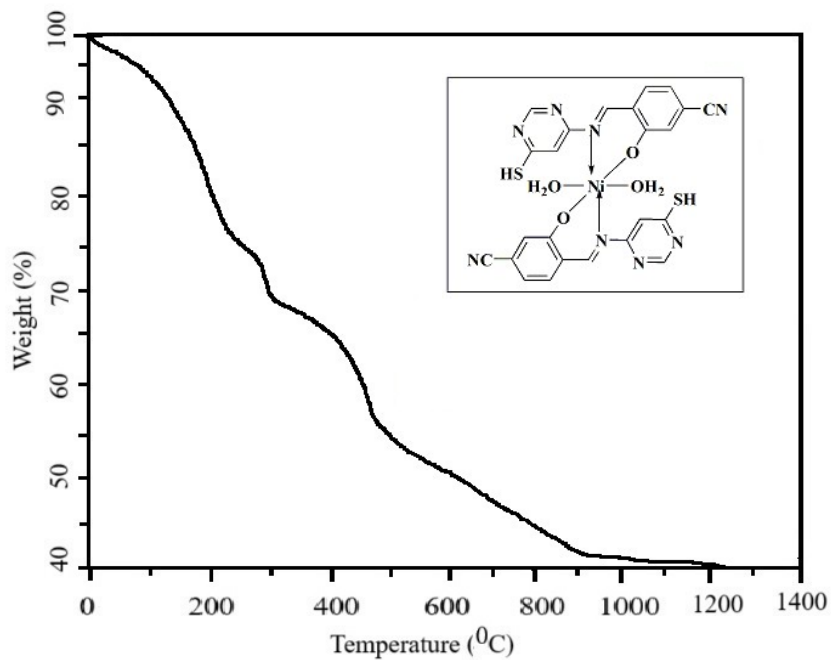


Figure 22S. TGA of Ni complex

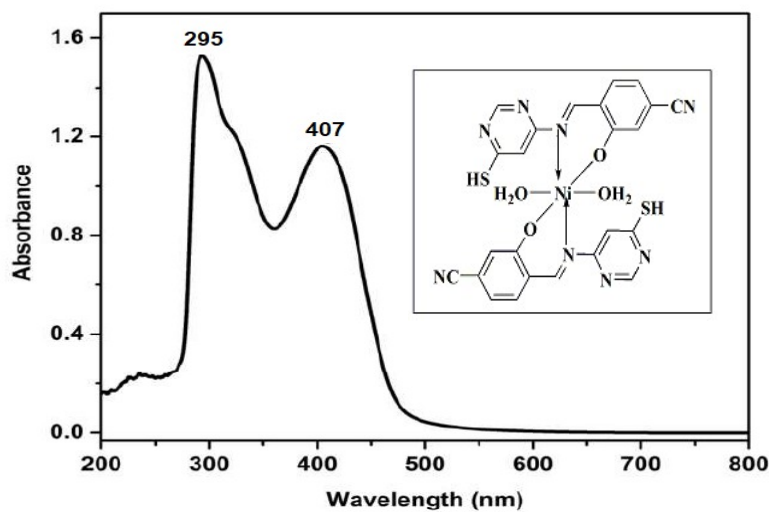


Figure 23S. UV Visible Spectrum of Ni complex

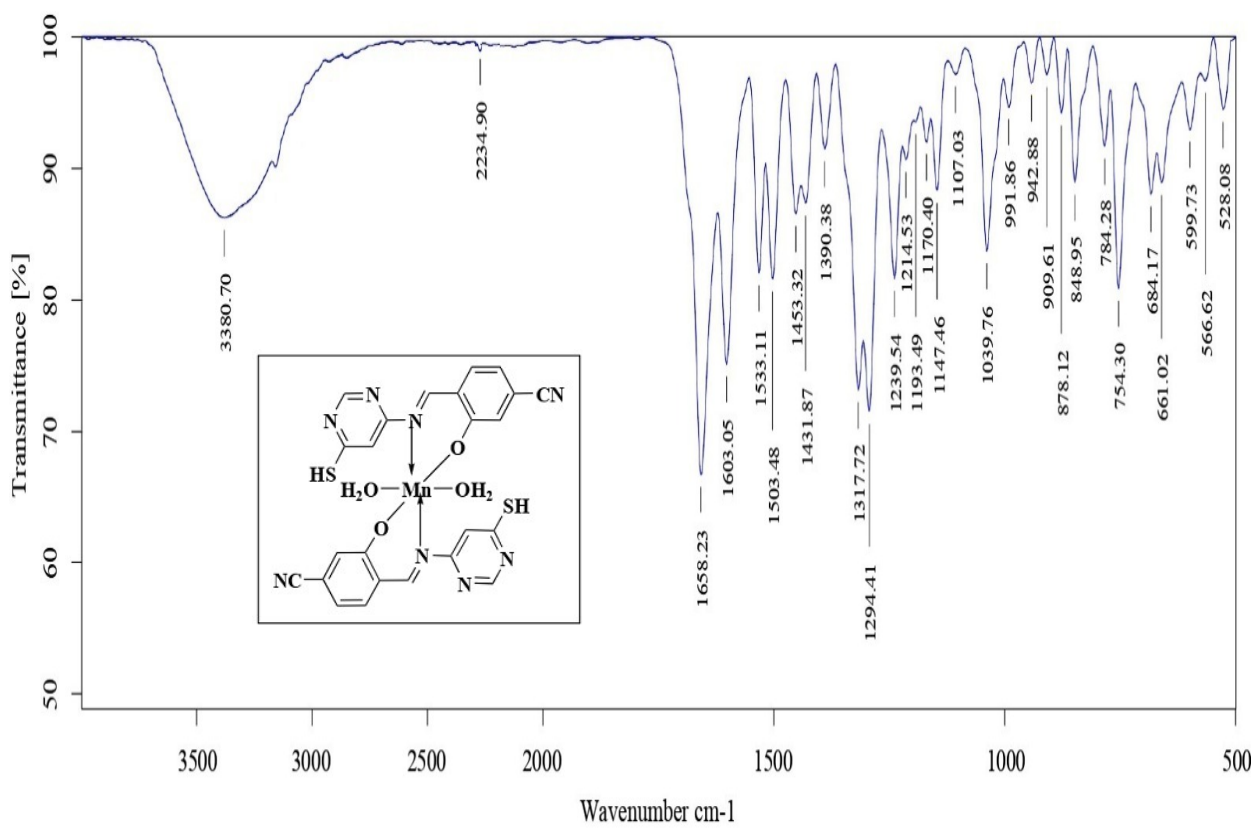


Figure 24S. IR Spectrum of Mn Complex

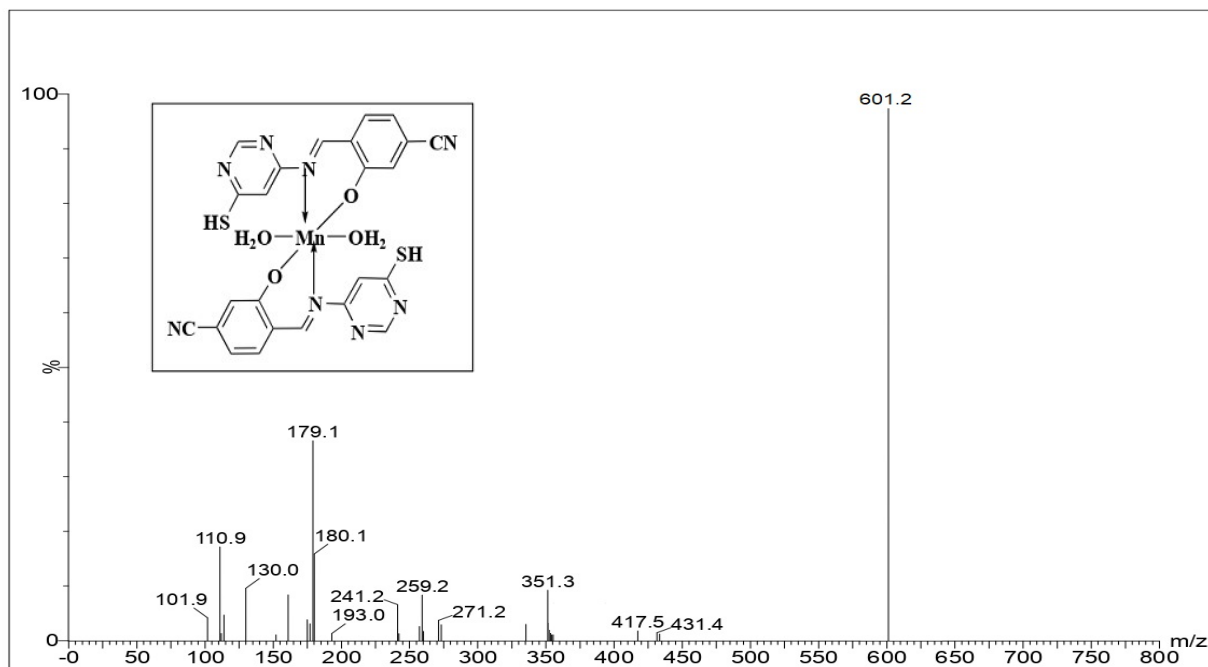


Figure 25S. Mass Spectrum of Mn Complex

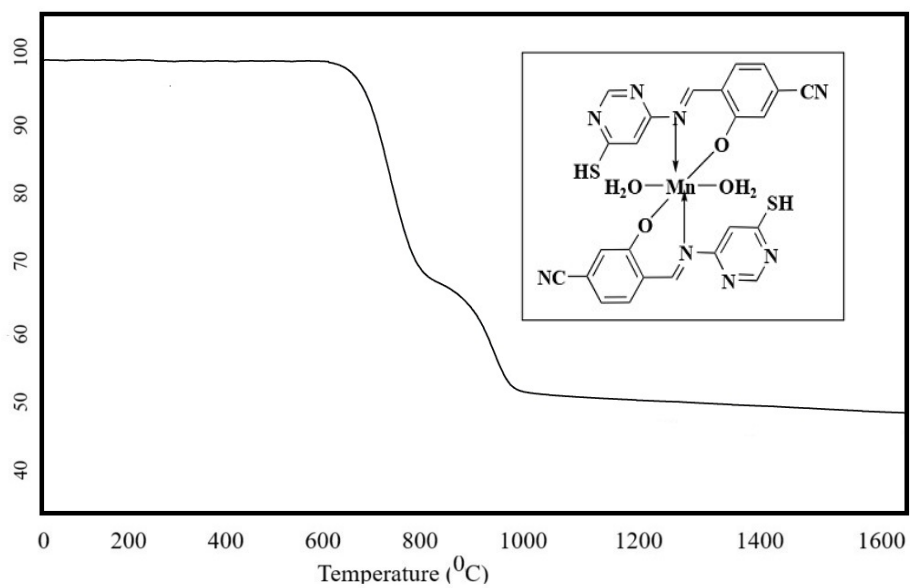


Figure 26S. TGA of Mn Complex

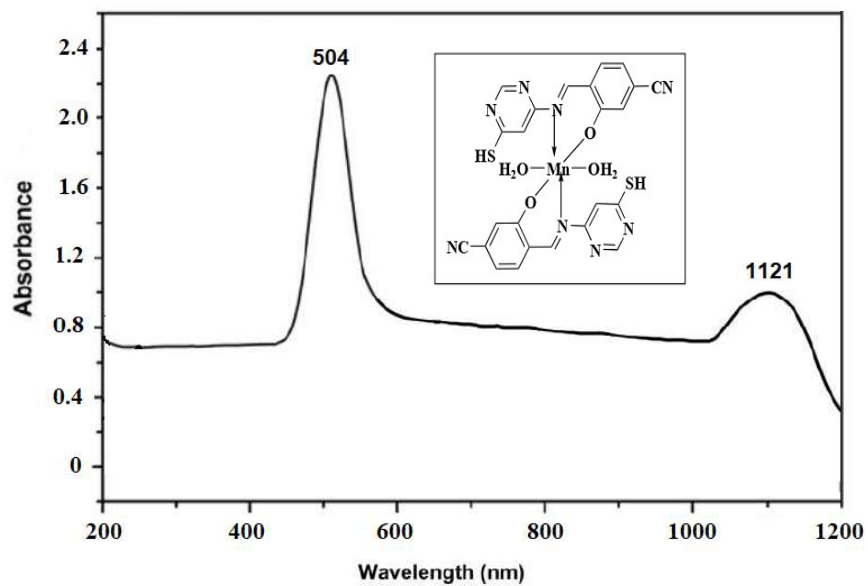


Figure 27S. UV visible Spectrum of Mn Complex

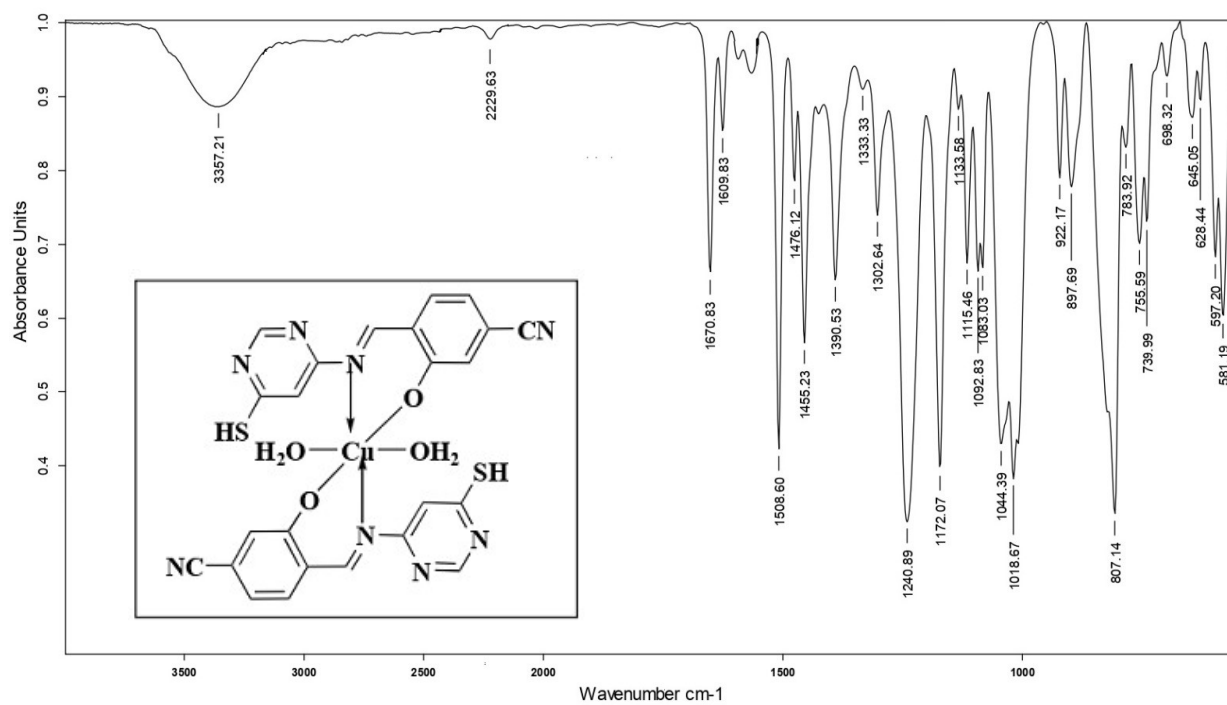


Figure 28S. IR Spectrum of Cu Complex

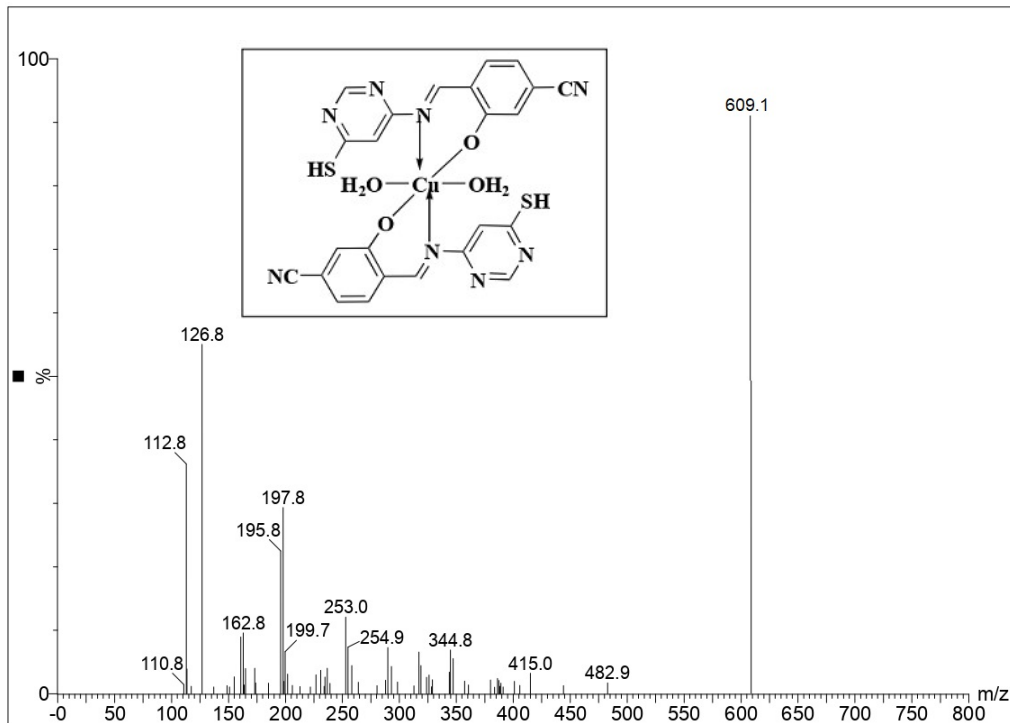


Figure 29S. Mass Spectrum of Cu Complex

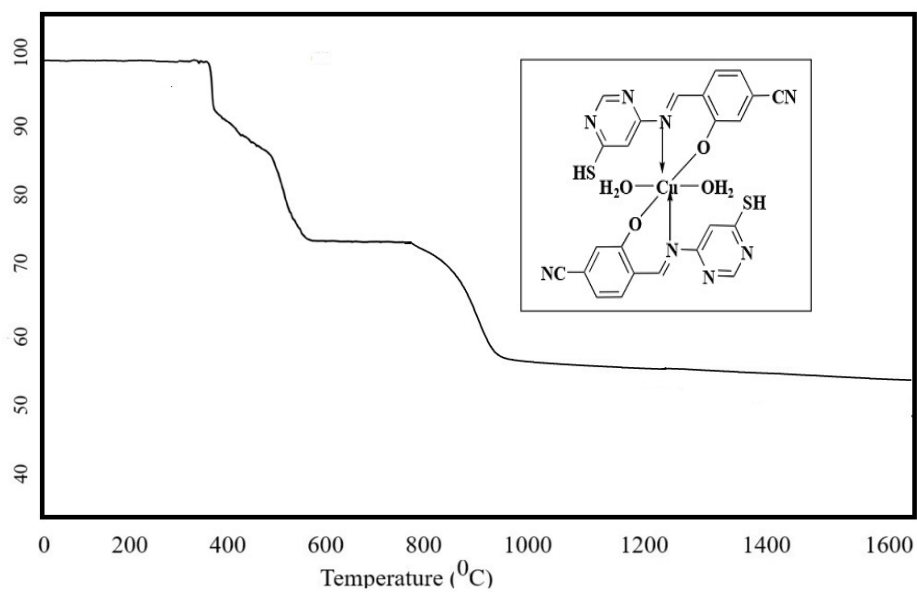


Figure 30S. TGA of Cu Complex

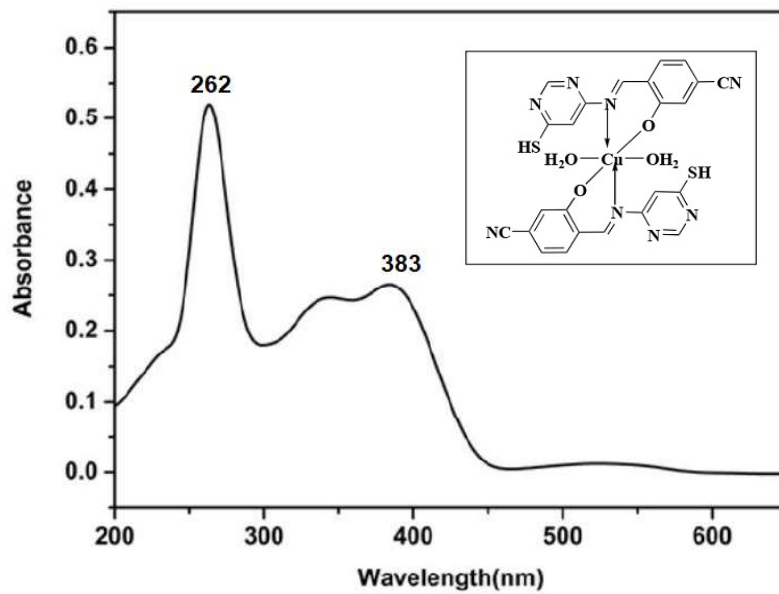


Figure 31S. UV visible Spectrum of Cu Complex

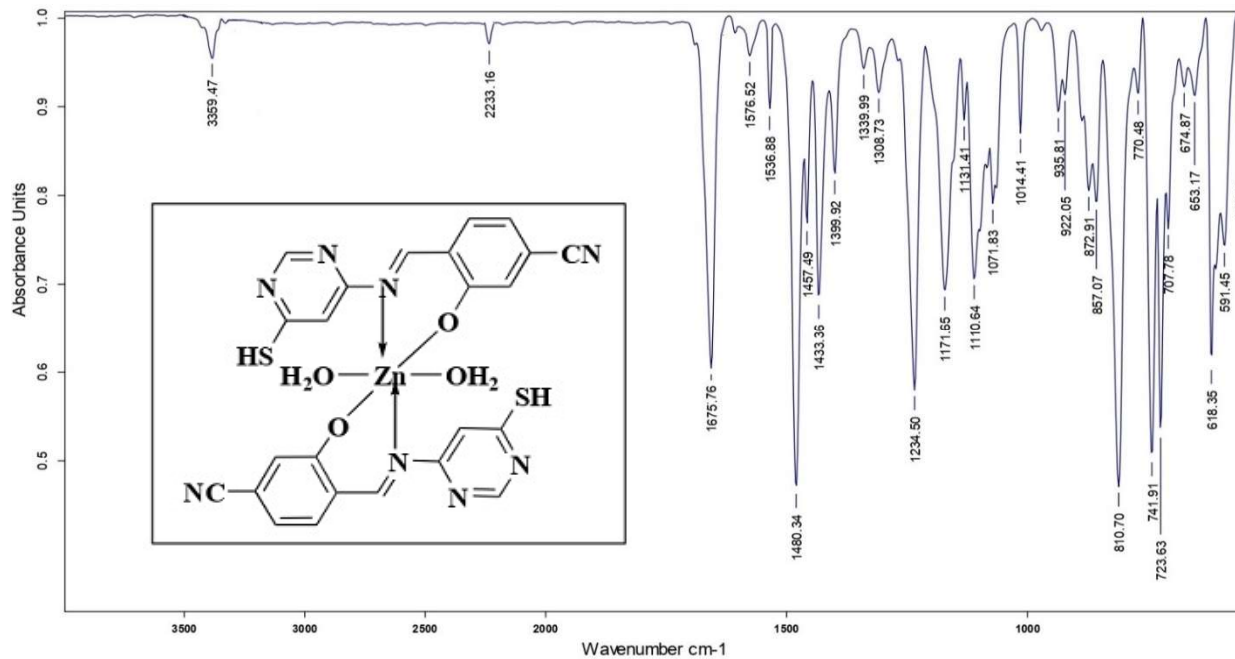


Figure 32S. IR Spectrum of Zn Complex

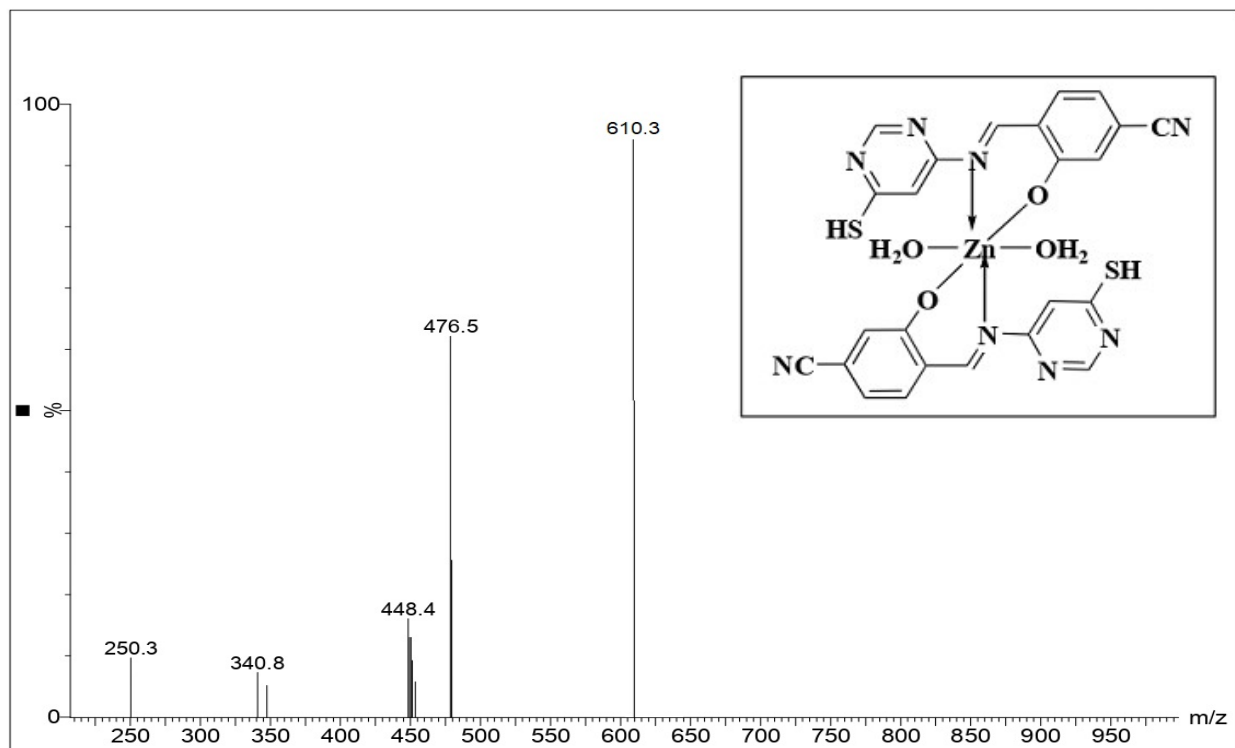


Figure 33S. Mass Spectrum of Zn Complex

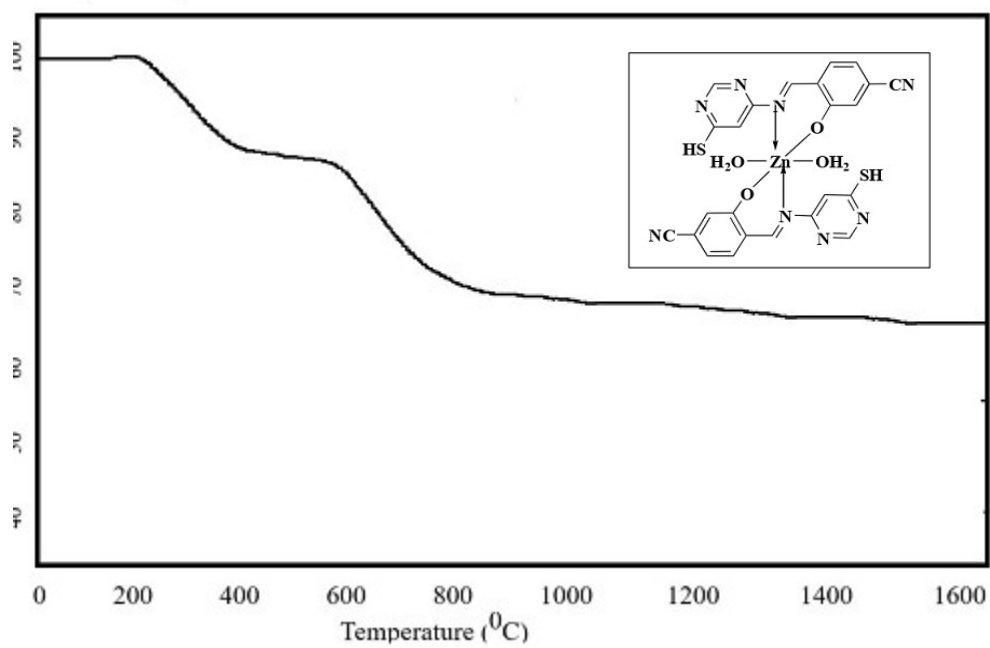


Figure 34S. TGA of Zn Complex

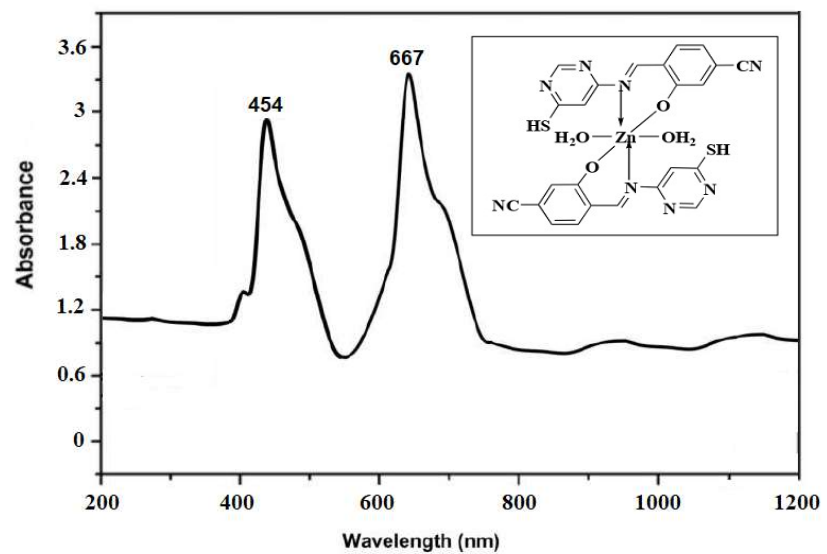


Figure 35S. UV visible Spectrum of Zn Complex