

Supporting Information

***β*-Substituted Ferrocenyl Porphyrins: Synthesis, Structure, and Properties**

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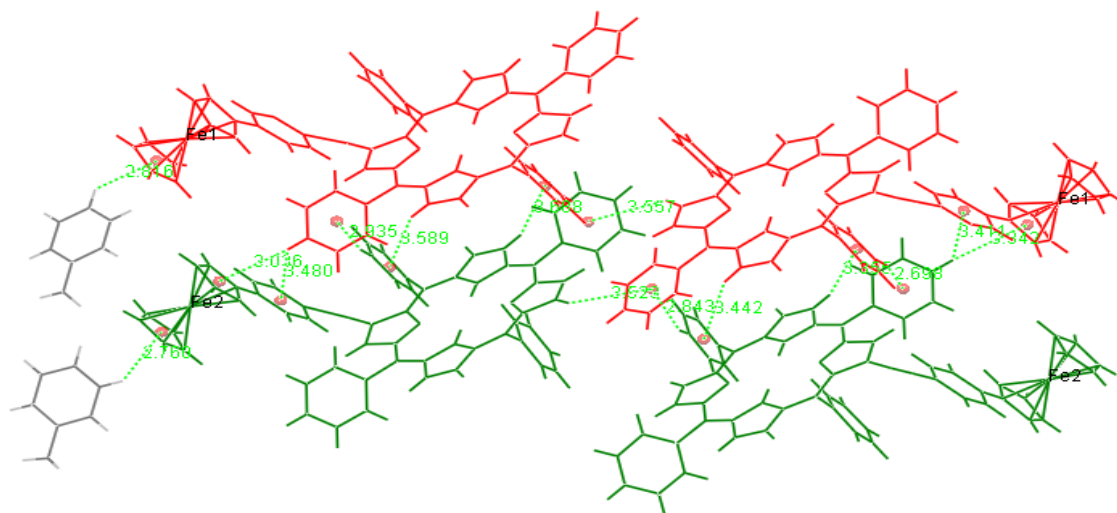
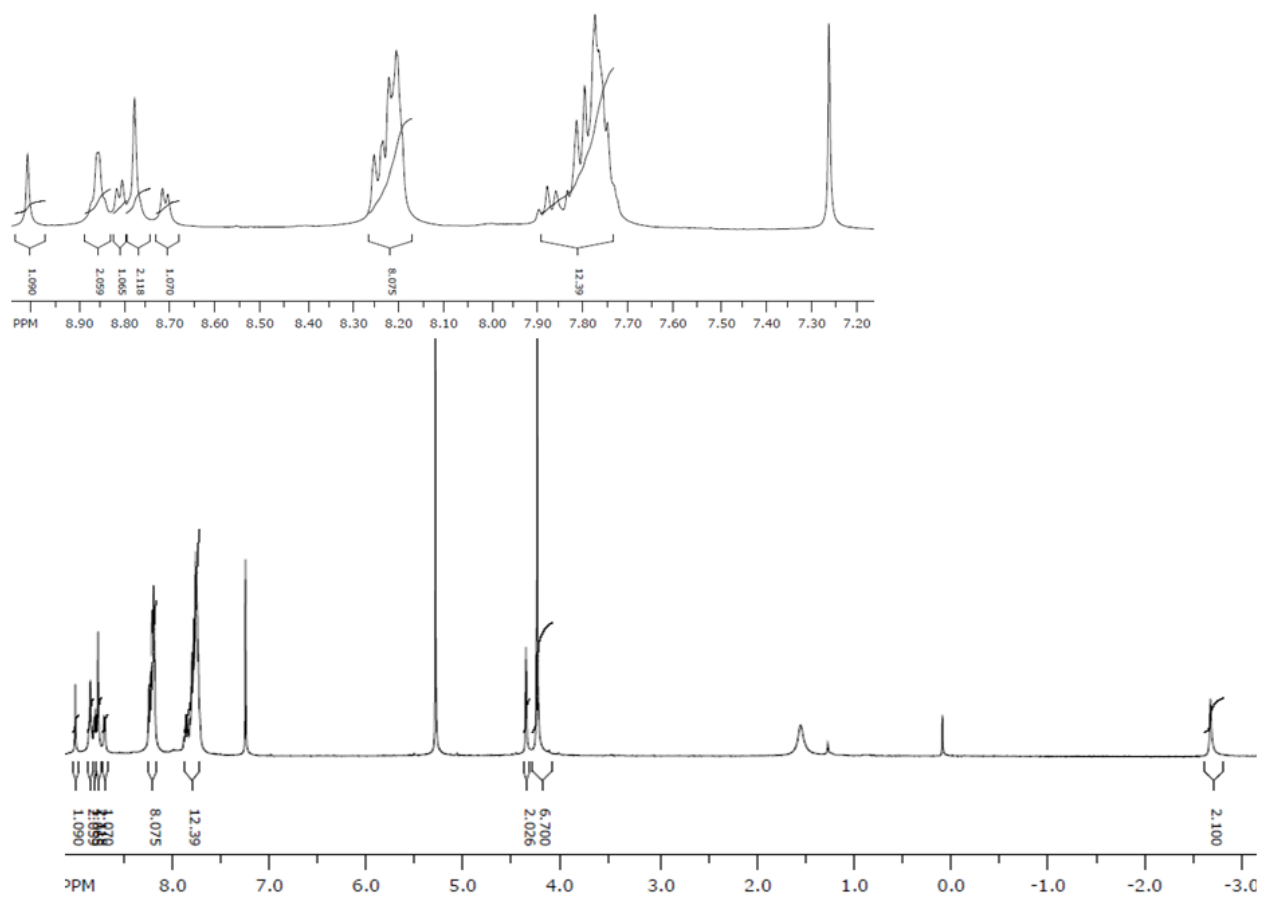
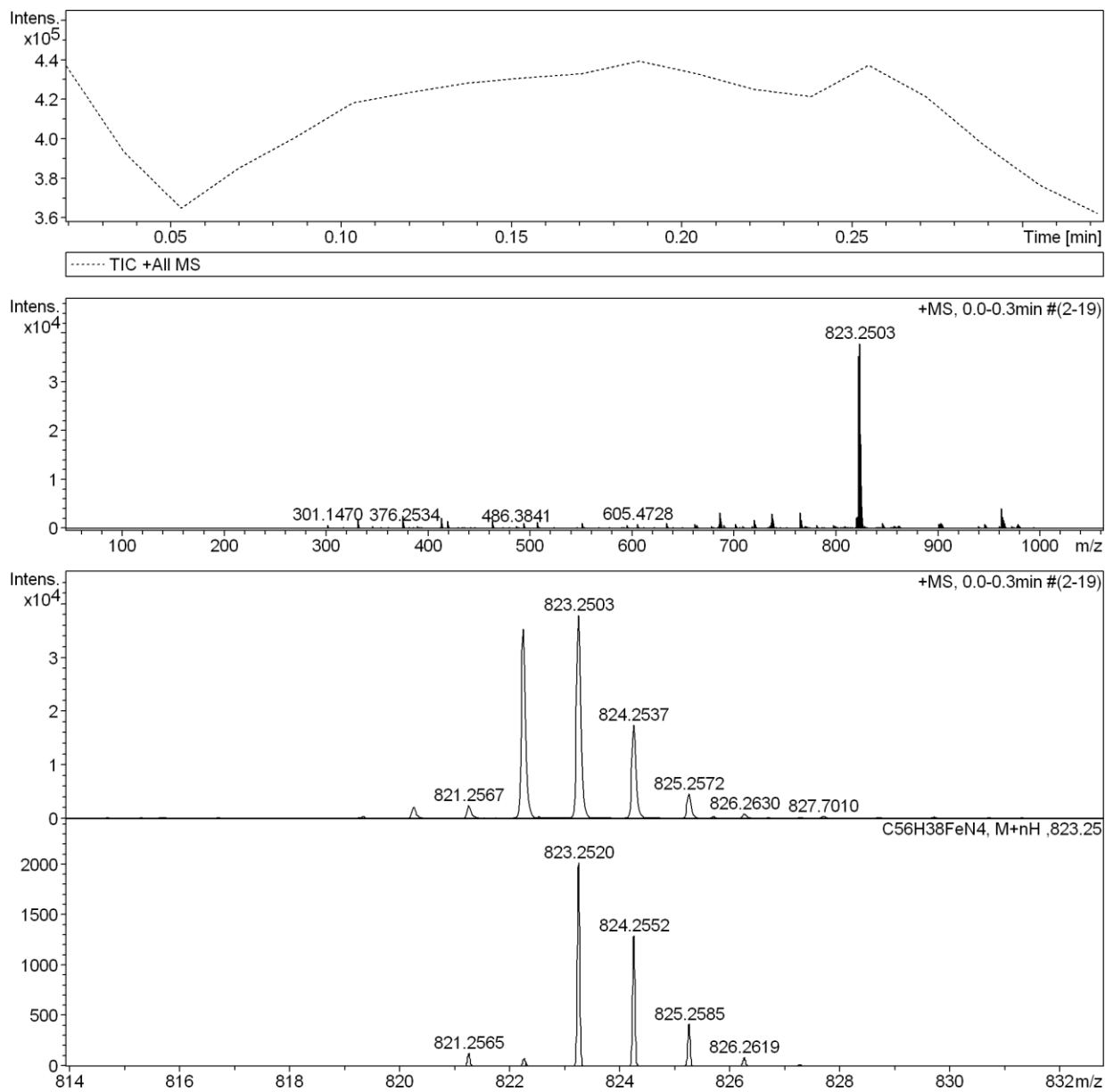


Figure S1. The supramolecular structure of compound **3b** along *b* axis. The secondary interactions are shown by dashed lines.

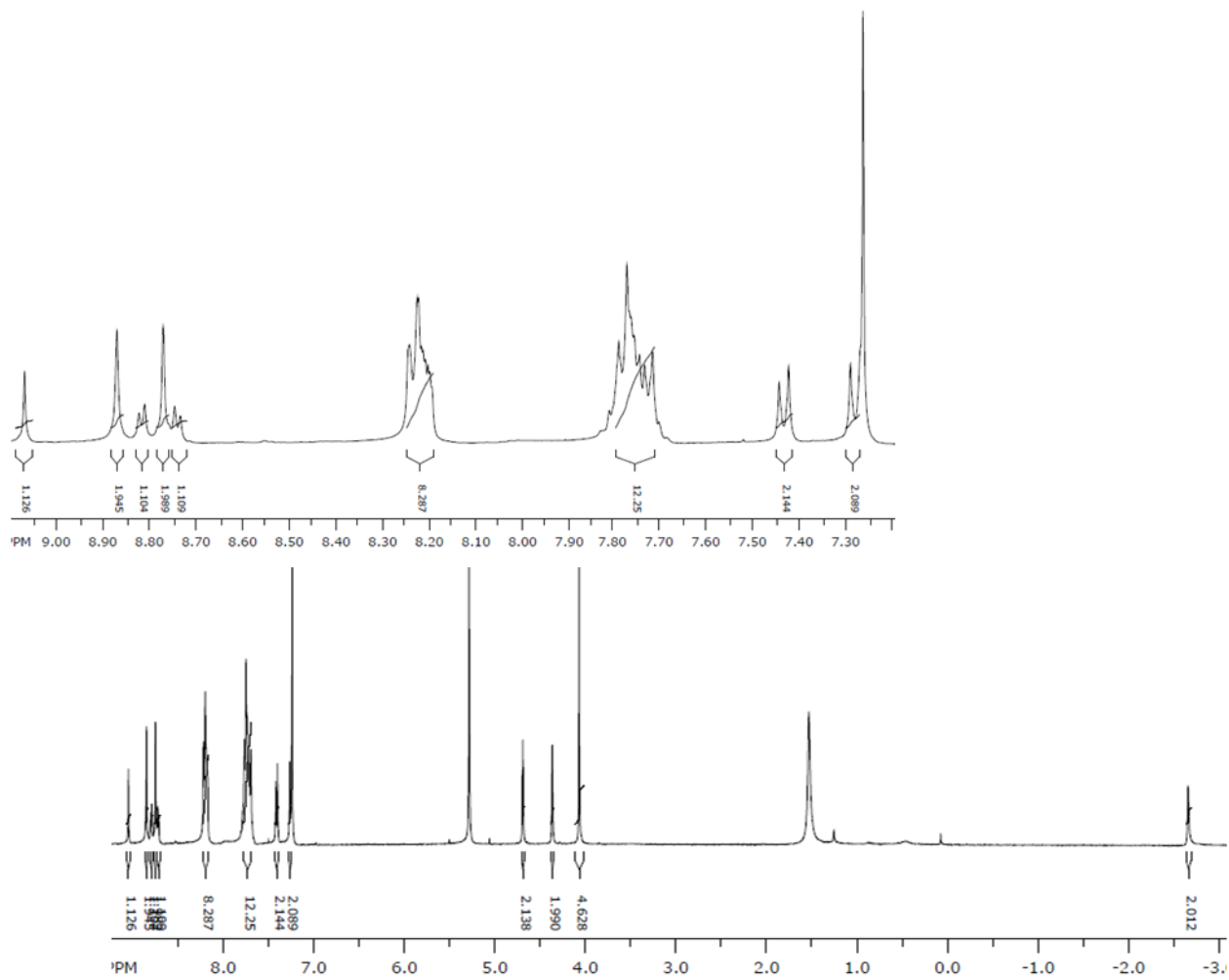
^1H NMR Spectra of 4a



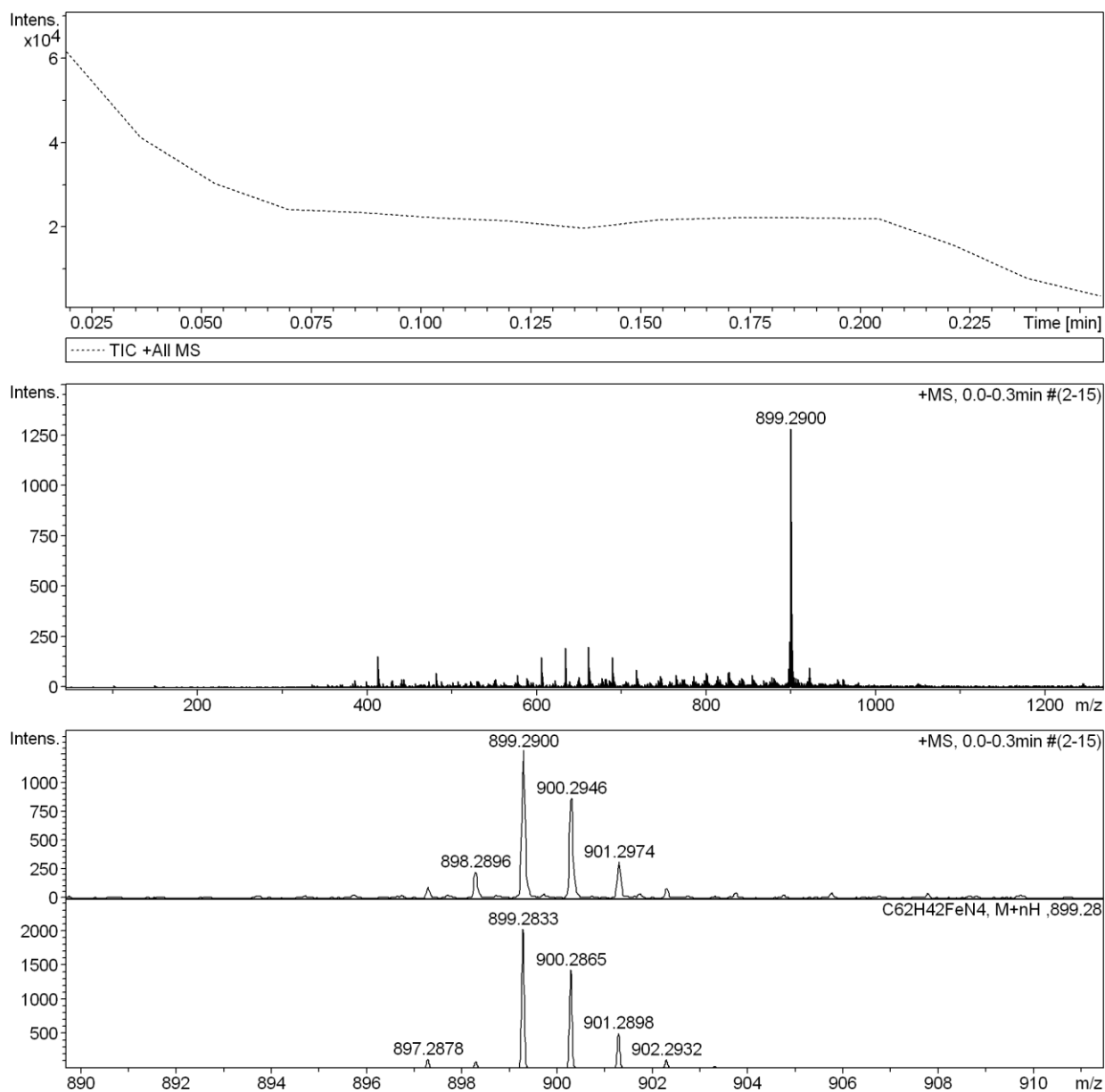
HRMS mass spectrum of compound **4a**.



¹H NMR Spectra of 4b

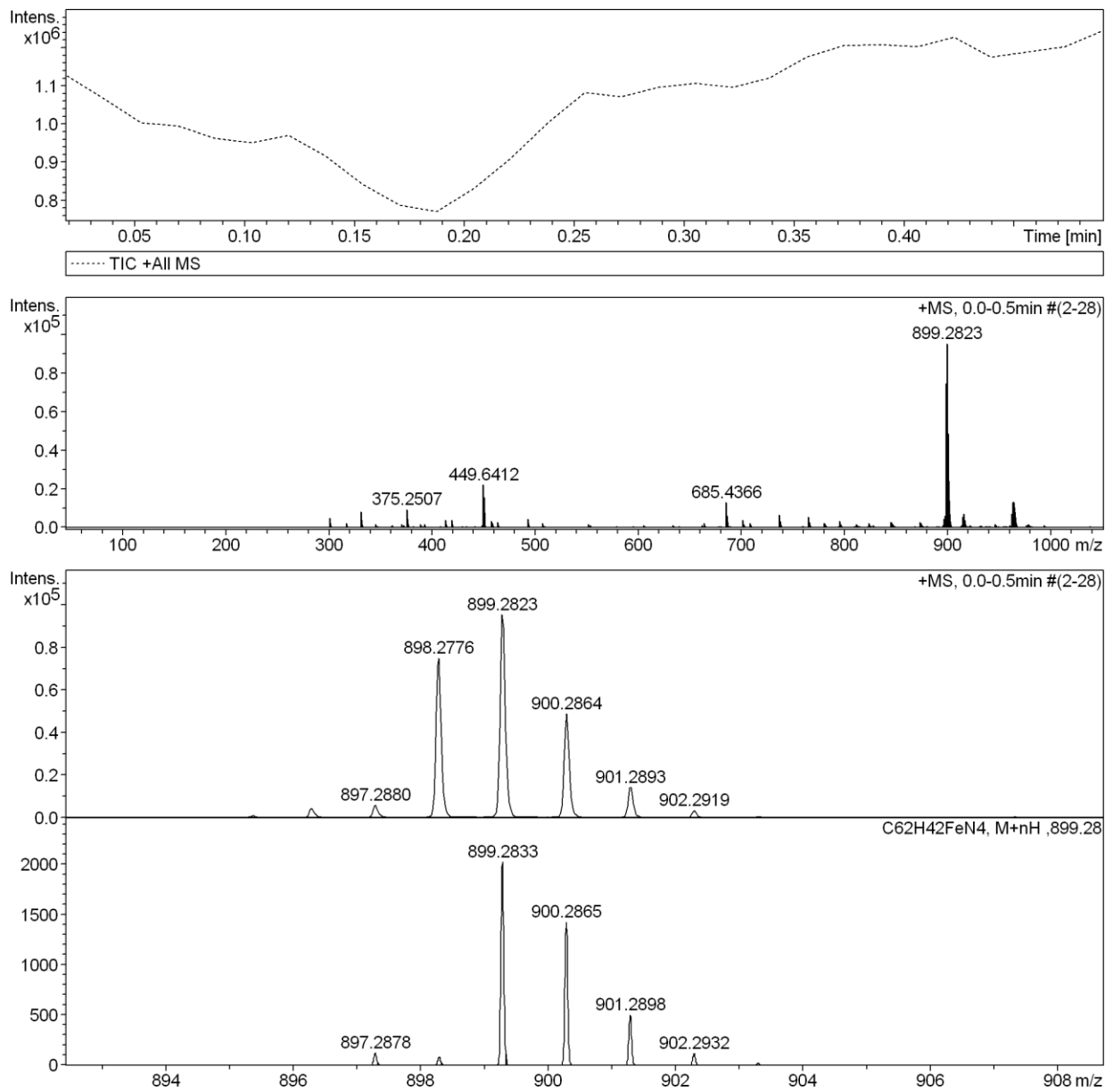


HRMS mass spectrum of compound **4b**.





HRMS mass spectrum of compound **4c**.



Electrochemical Characterizations:

a) Cyclic voltammogram of 3aH and 4a

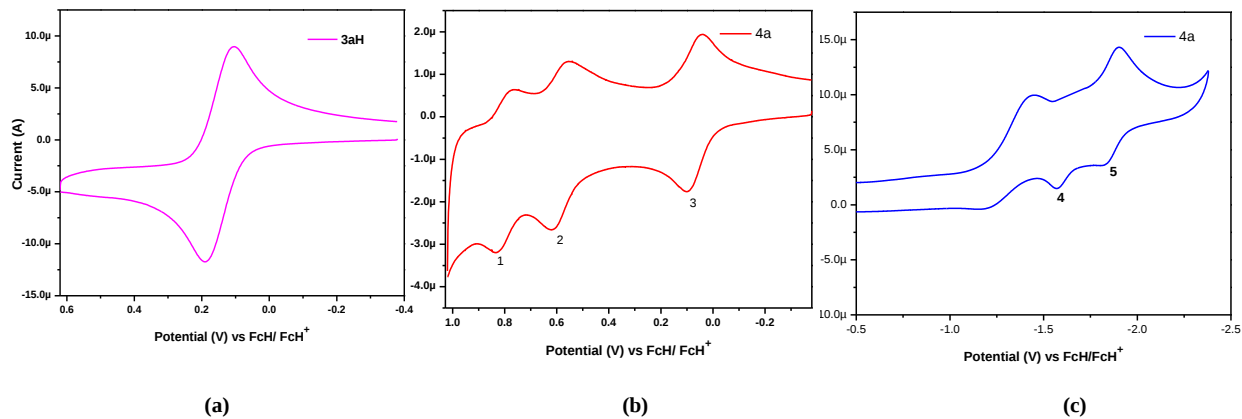


Figure 3: Cyclic voltammograms of (1.0X10⁻⁴ M) solutions of (a) 3aH, (b) 4a Oxidation (c) 4a reduction, in CH₂Cl₂ containing 0.1 M Bu₄NPF₆ as supporting electrolyte, recorded at a scan speed of 100 mVs⁻¹.

b) Cyclic voltammogram of 3cH and 4c

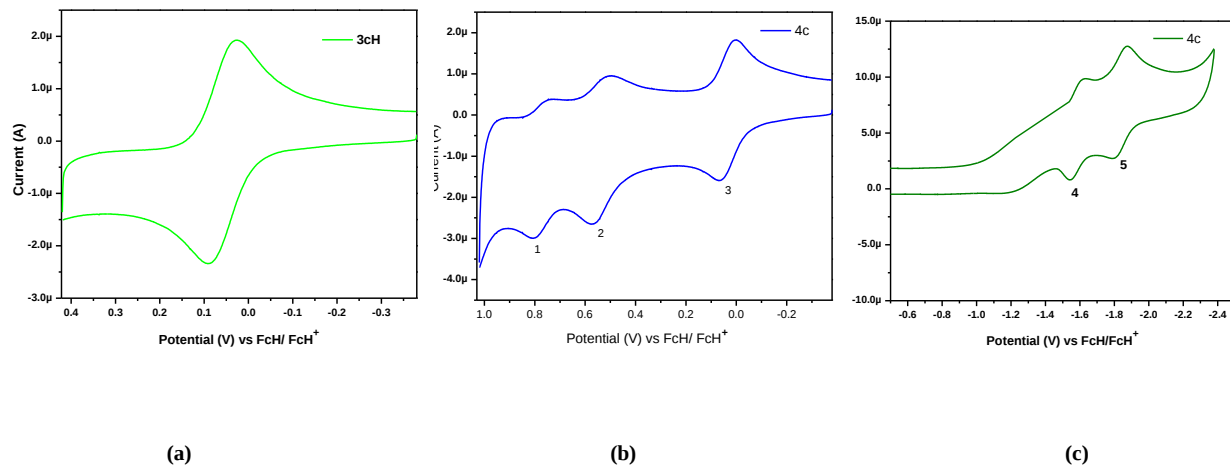


Figure 3: Cyclic voltammograms of (1.0X10⁻⁴ M) solutions of (a) 3cH, (b) 4c Oxidation (c) 4c reduction, in CH₂Cl₂ containing 0.1 M Bu₄NPF₆ as supporting electrolyte, recorded at a scan speed of 100 mVs⁻¹.

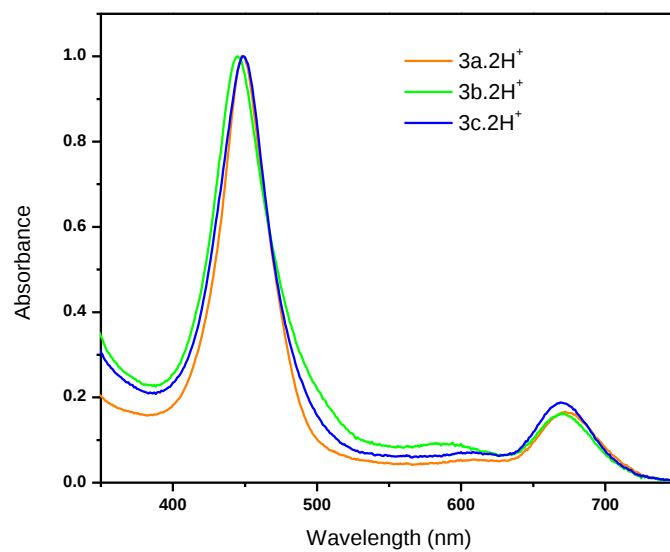


Fig. S3.: UV-Vis spectra of protonated ferrocenyl-porphyrins (**4a-4c**), recorded in toluene.