

SUPPLEMENTARY DATA

Construction of coumarin-fused pyrido[2,3-*b*]porphyrins through trichloroacetic acid-accelerated domino approach

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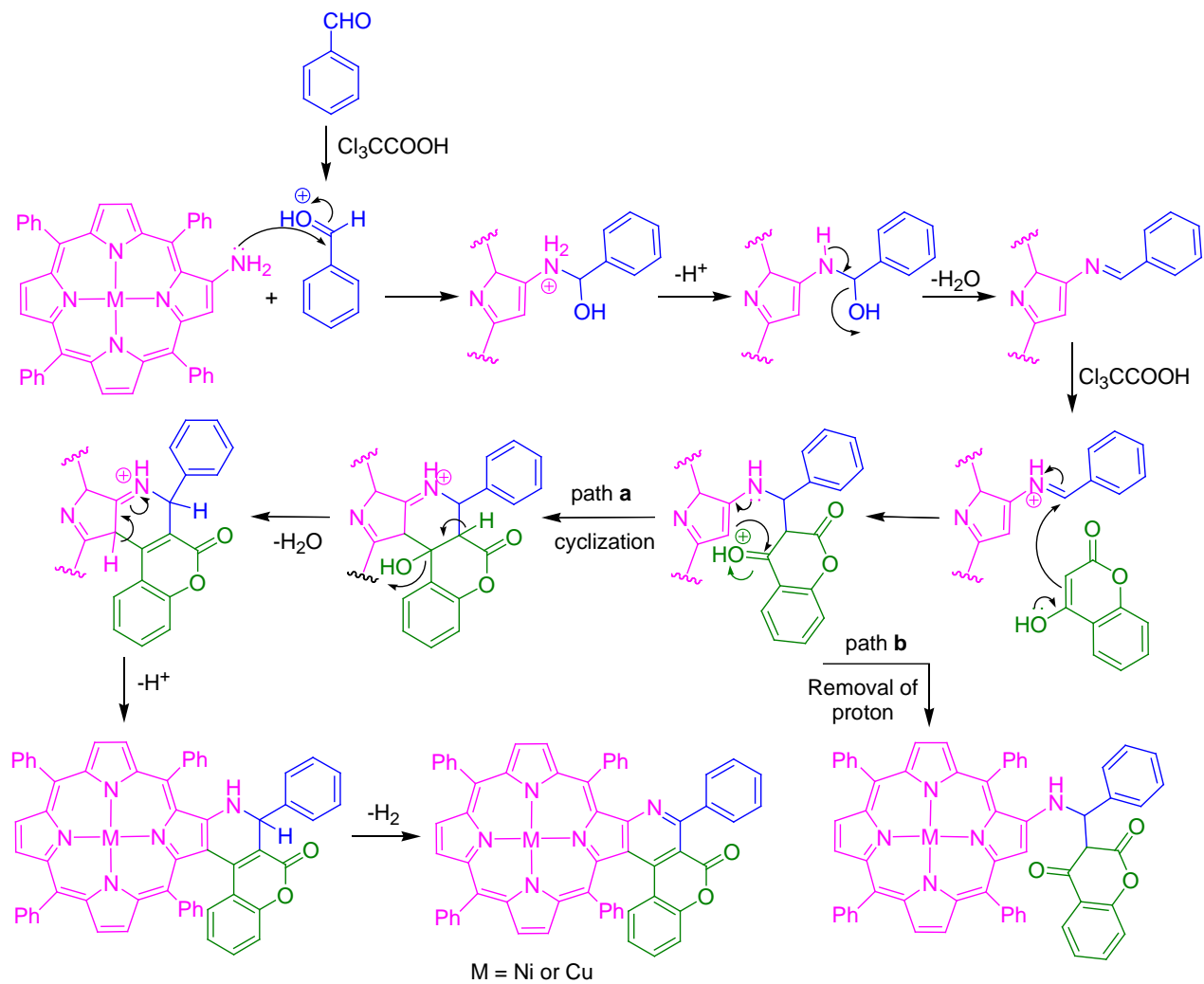


Figure S1. Proposed mechanism for the formation of pyrido[2,3-*b*]porphyrins (**6a-i** and **7**).

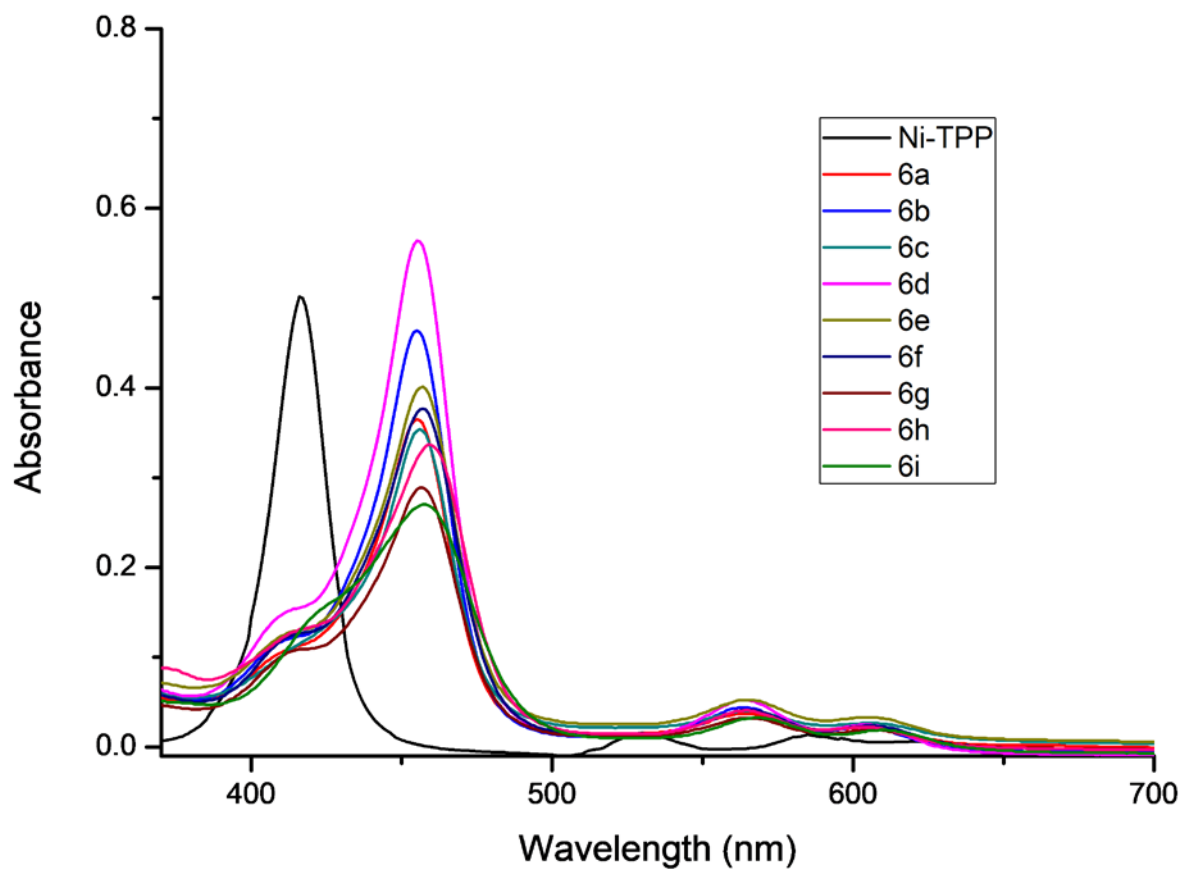
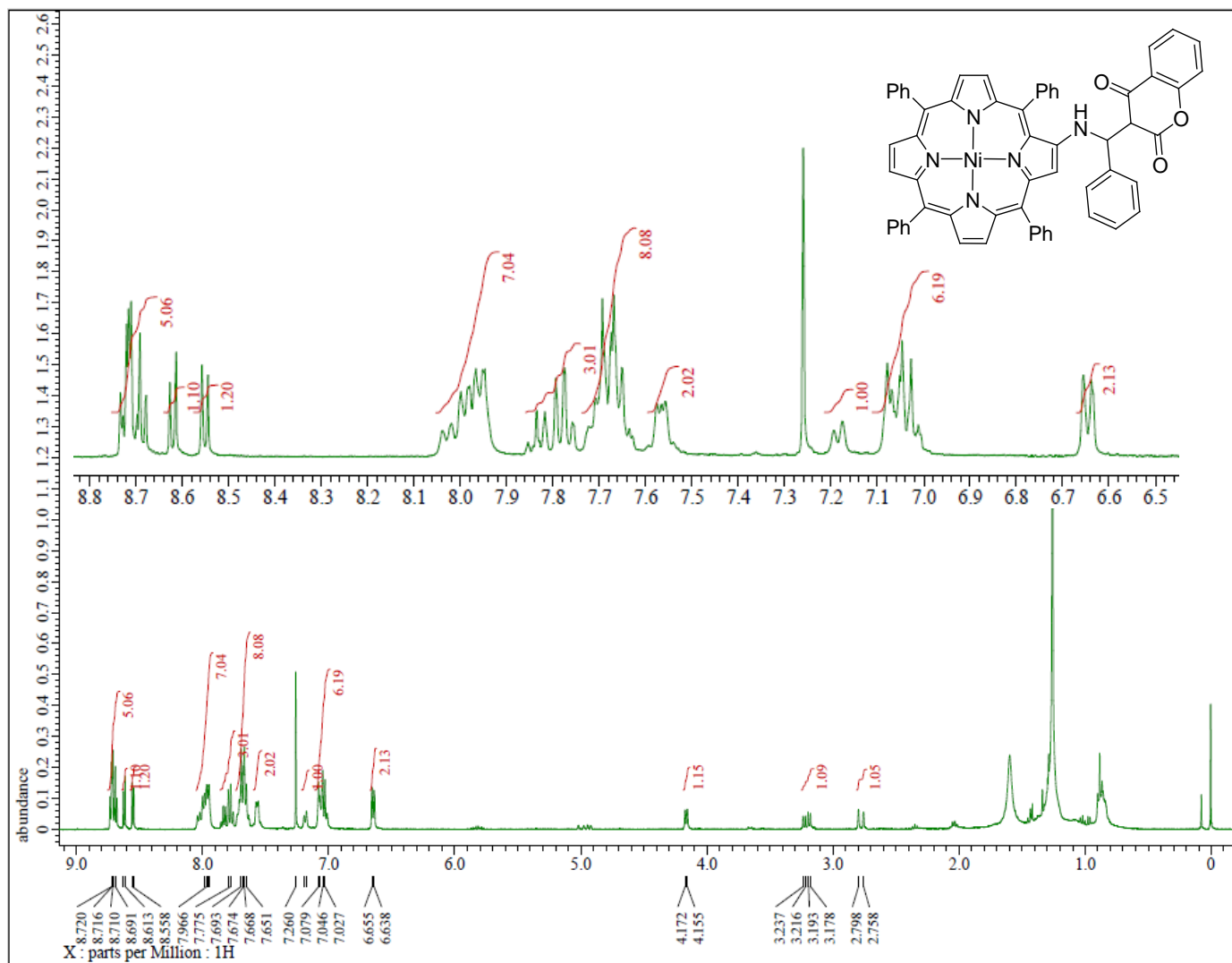


Figure S2. UV-Vis spectra of nickel(II) pyrido[2,3-*b*]porphyrins (6a-i) and Ni-TPP in CHCl_3 ($1.5 \times 10^{-6} \text{ mol L}^{-1}$) at 298 K.

NMR and mass spectra of newly synthesized porphyrins.

Figure S3. ^1H NMR spectrum of compound (4) in CDCl_3 .

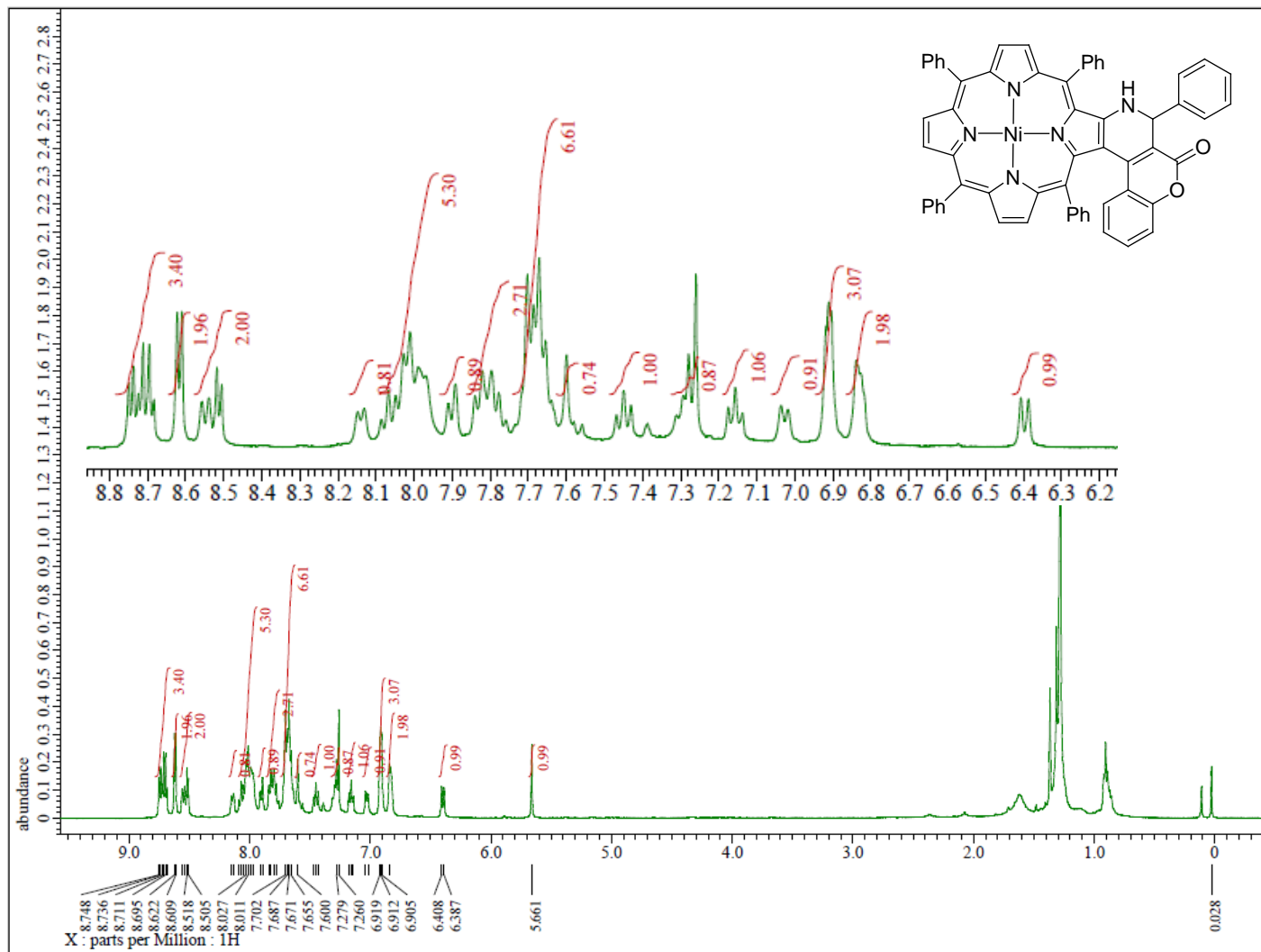


Figure S4. ^1H NMR spectrum of compound (5) in CDCl_3 .

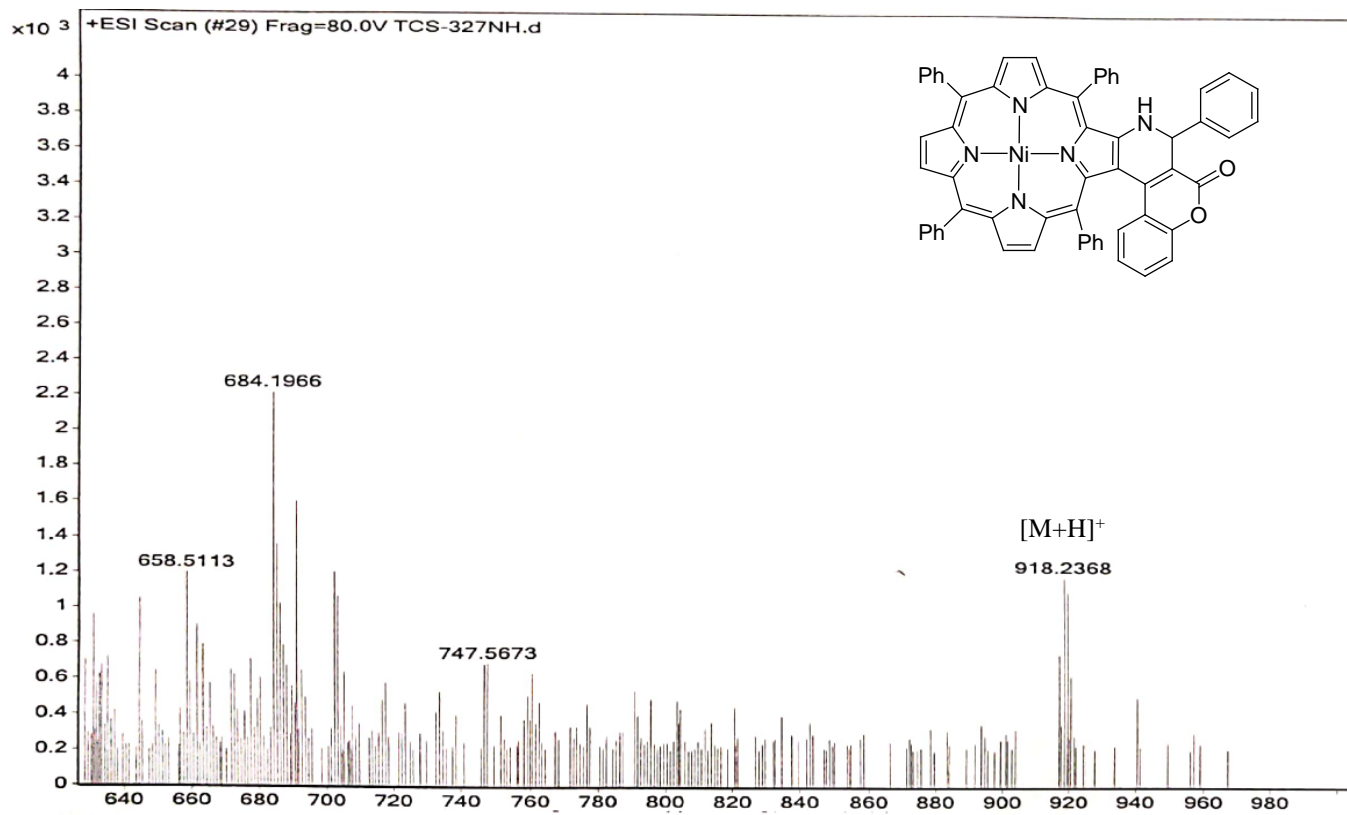


Figure S5. ESI mass spectrum of compound (5)

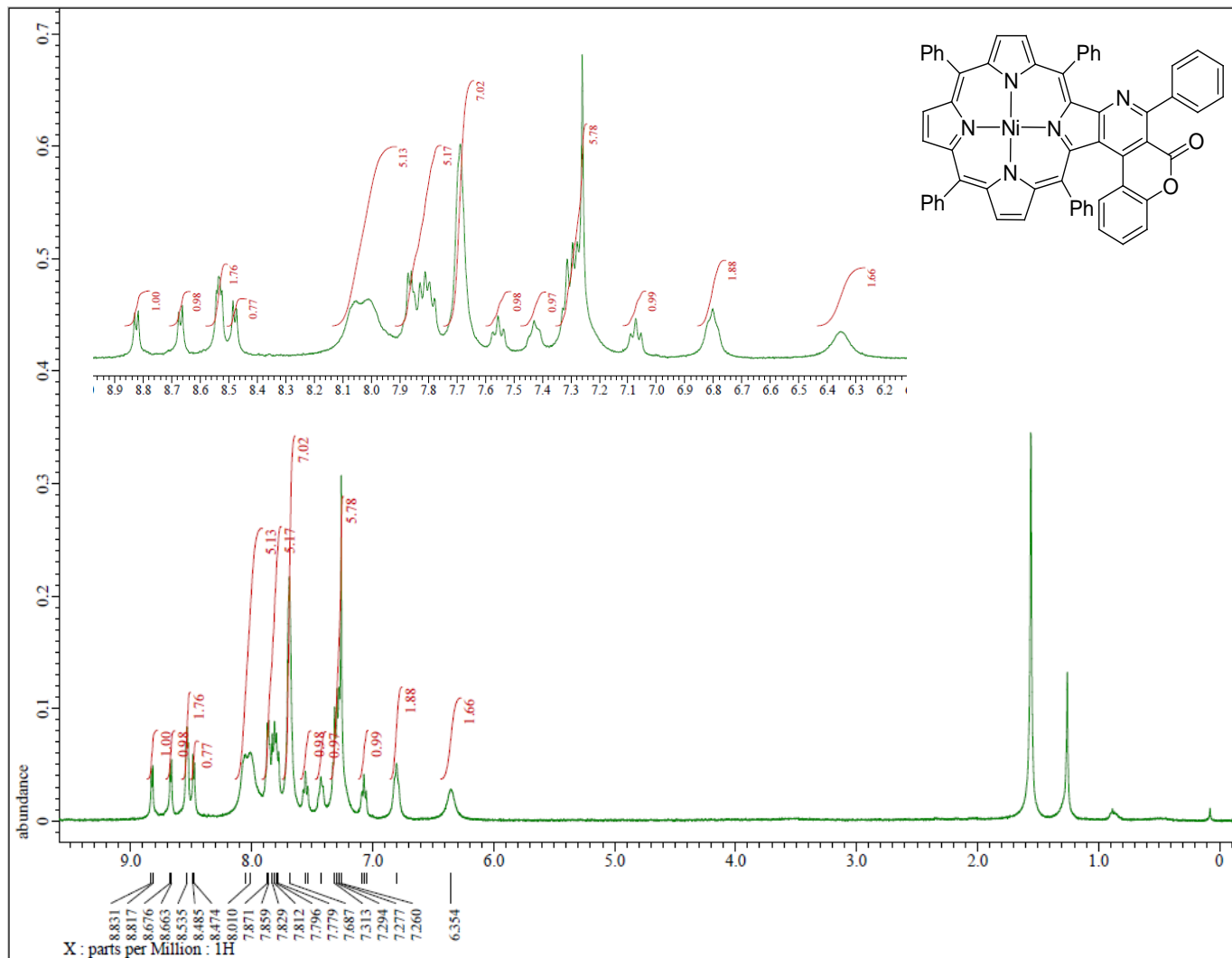


Figure S6. ^1H NMR spectrum of compound (6a) in CDCl_3 .

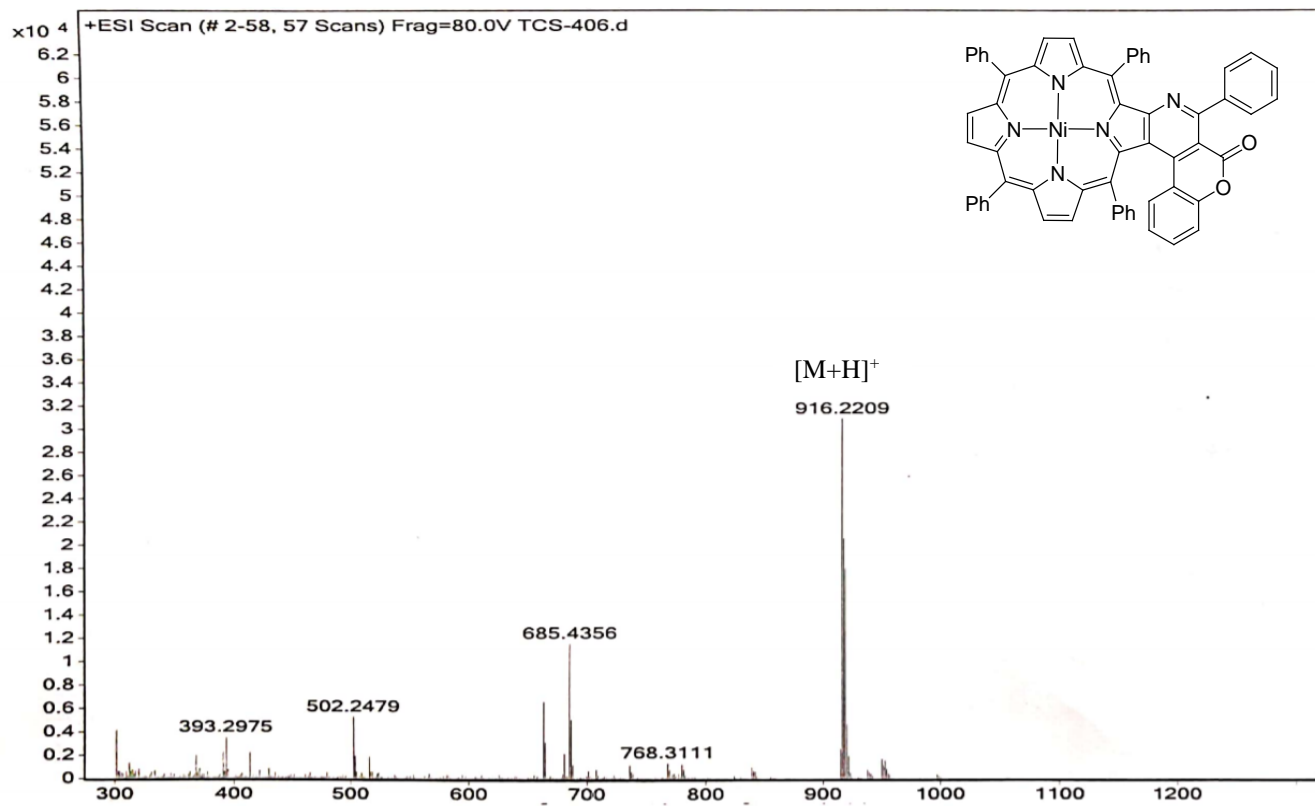


Figure S7. ESI mass spectrum of compound (**6a**)

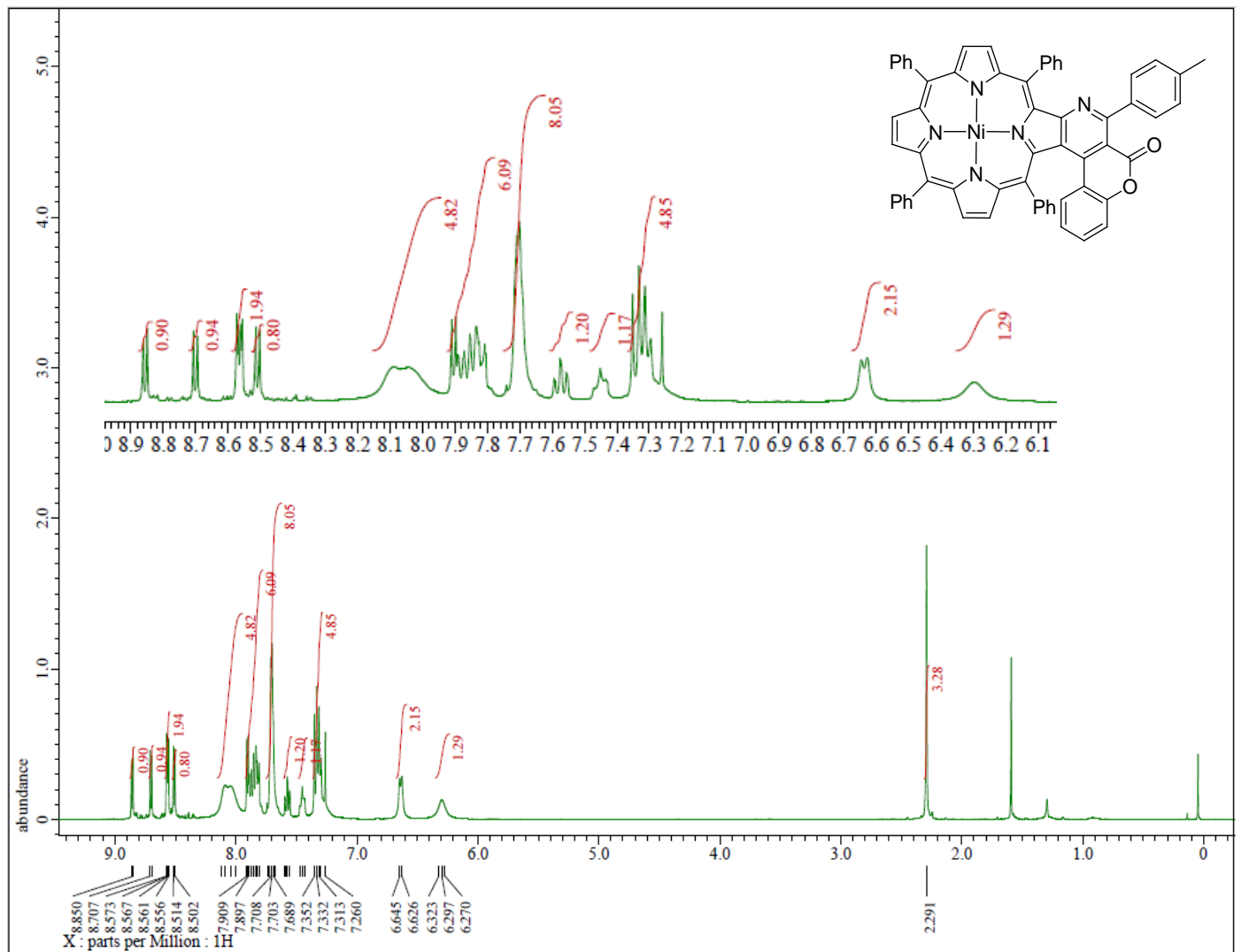


Figure S8. ^1H NMR spectrum of compound **(6b)** in CDCl_3

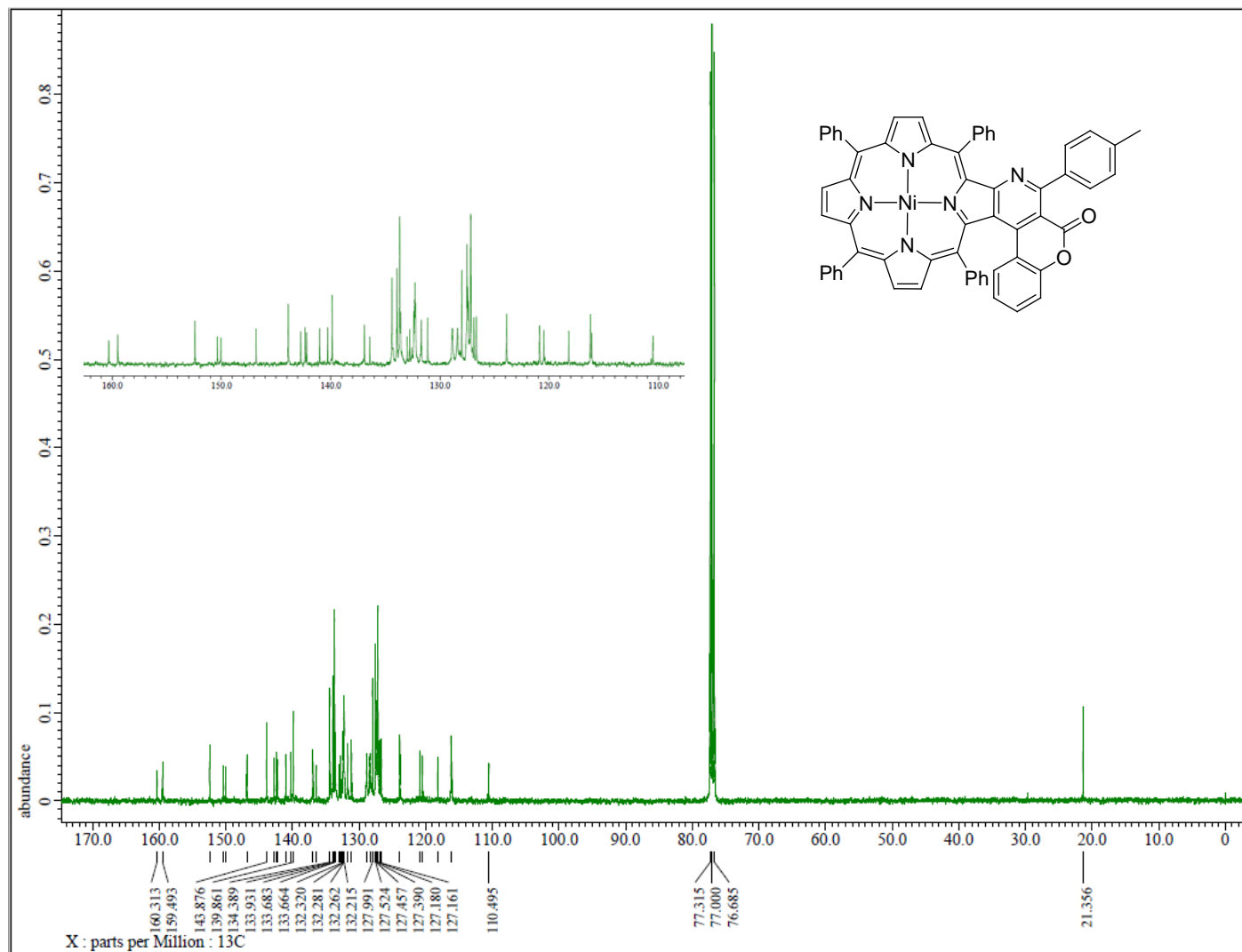


Figure S9. ^{13}C NMR spectrum of compound (6b) in CDCl_3

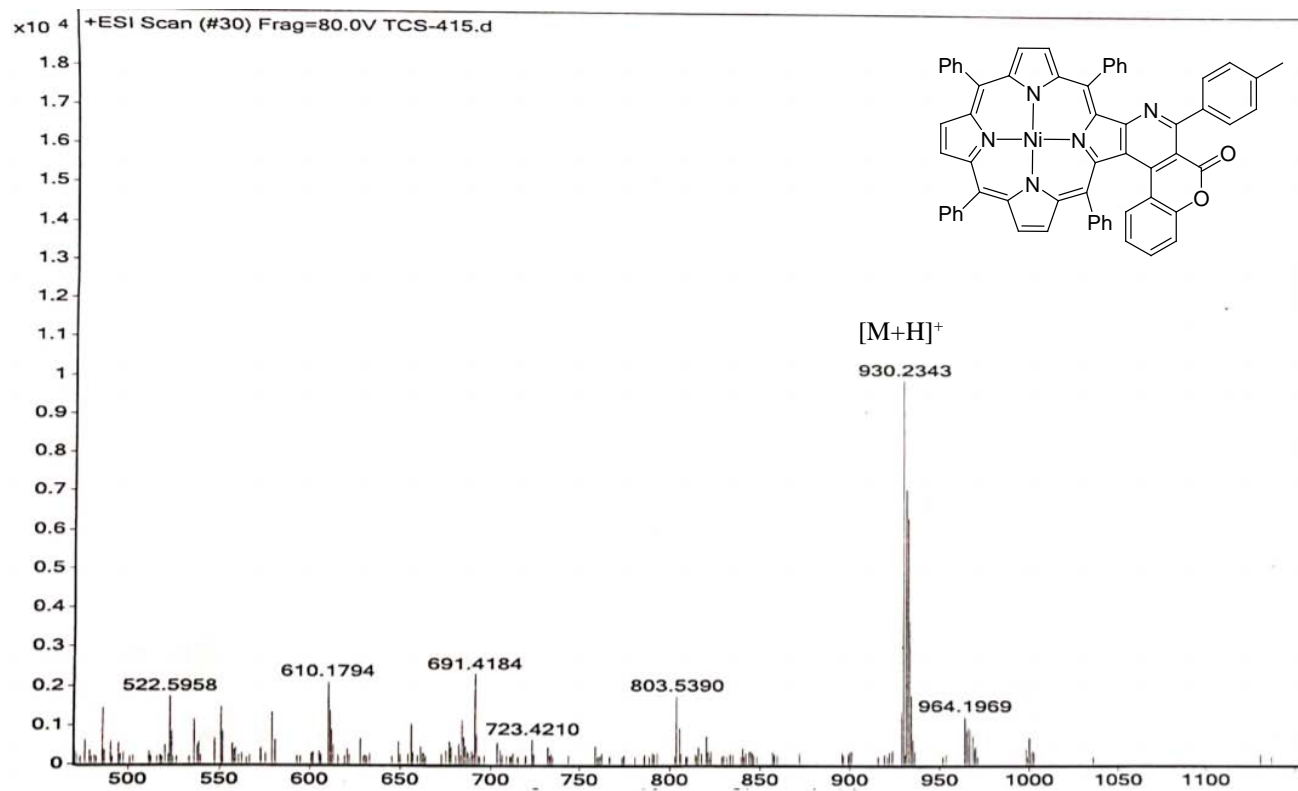


Figure S10. ESI mass spectrum of compound (6b)

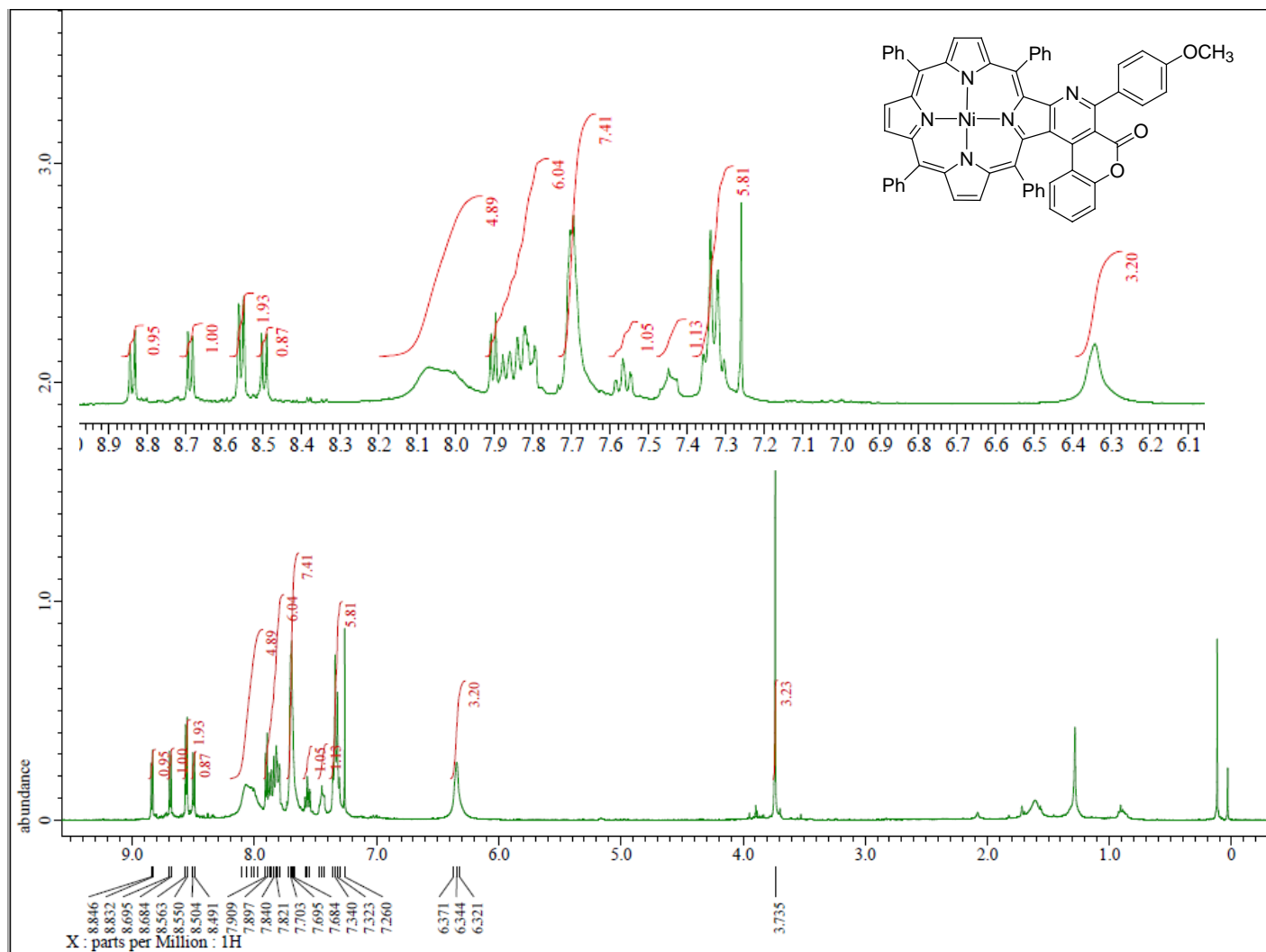


Figure S11. ^1H NMR spectrum of compound **(6c)** in CDCl_3

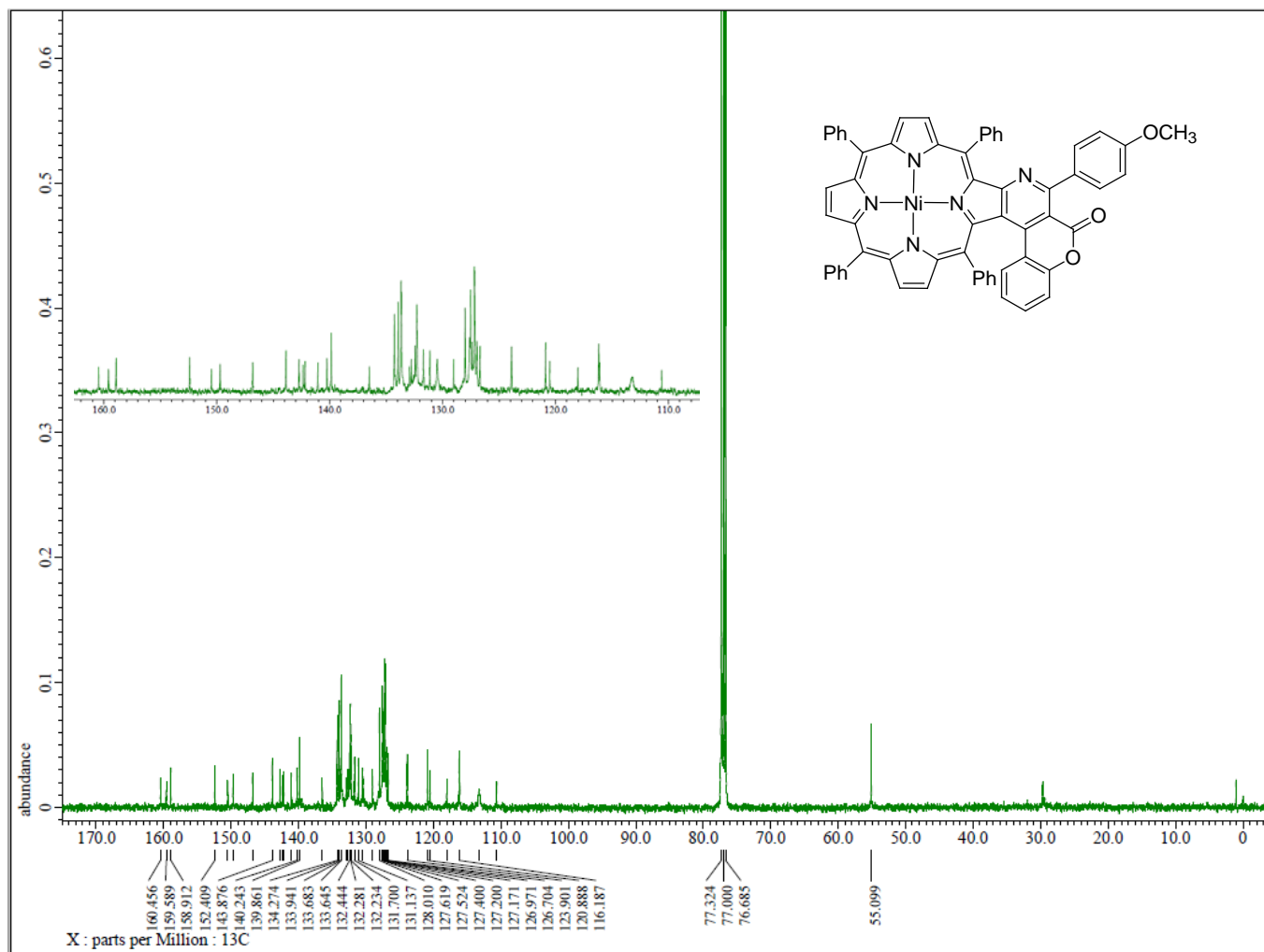


Figure S12. ^{13}C NMR spectrum of compound (6c) in CDCl_3

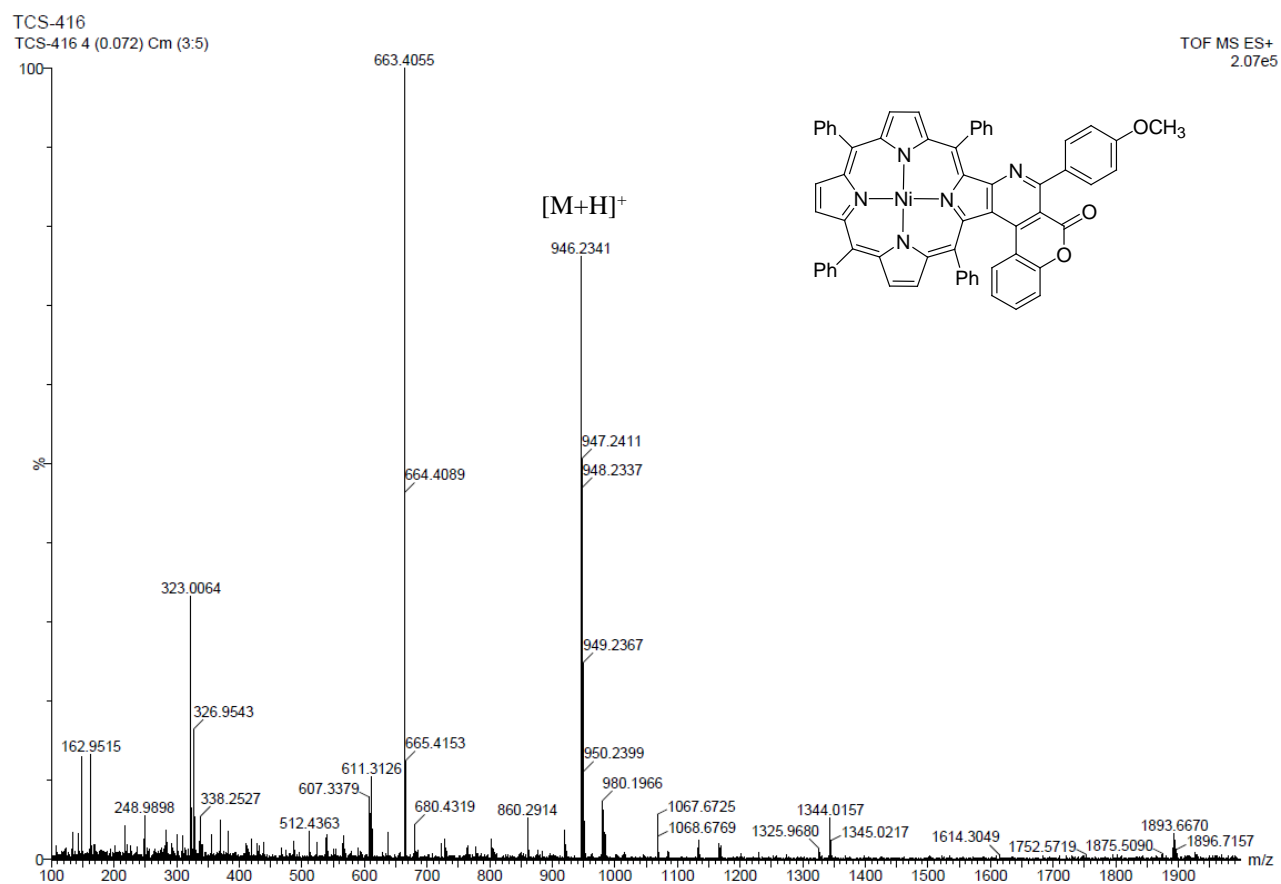


Figure S13. ESI mass spectrum of compound (6c)

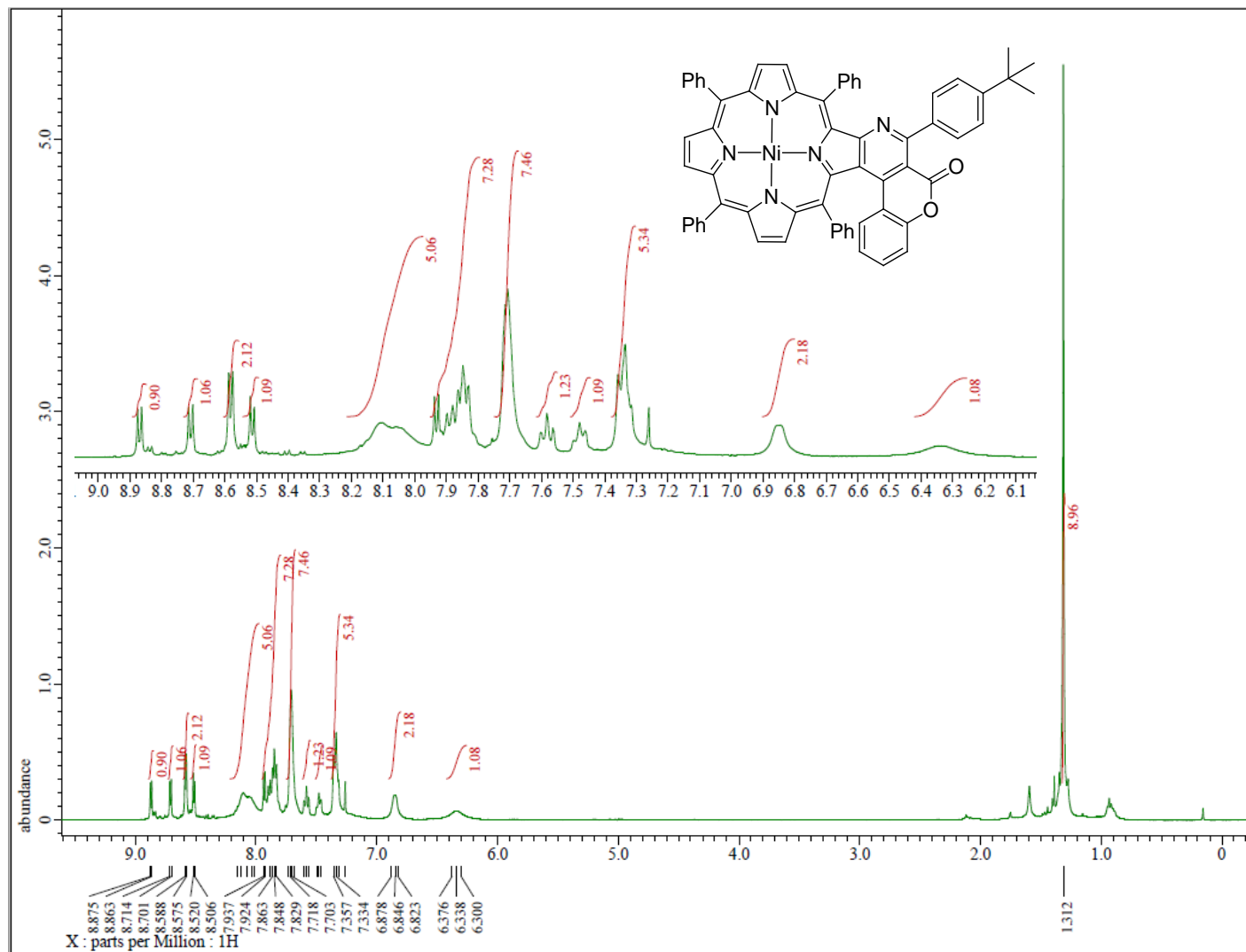


Figure S14. ^1H NMR spectrum of compound **(6d)** in CDCl_3

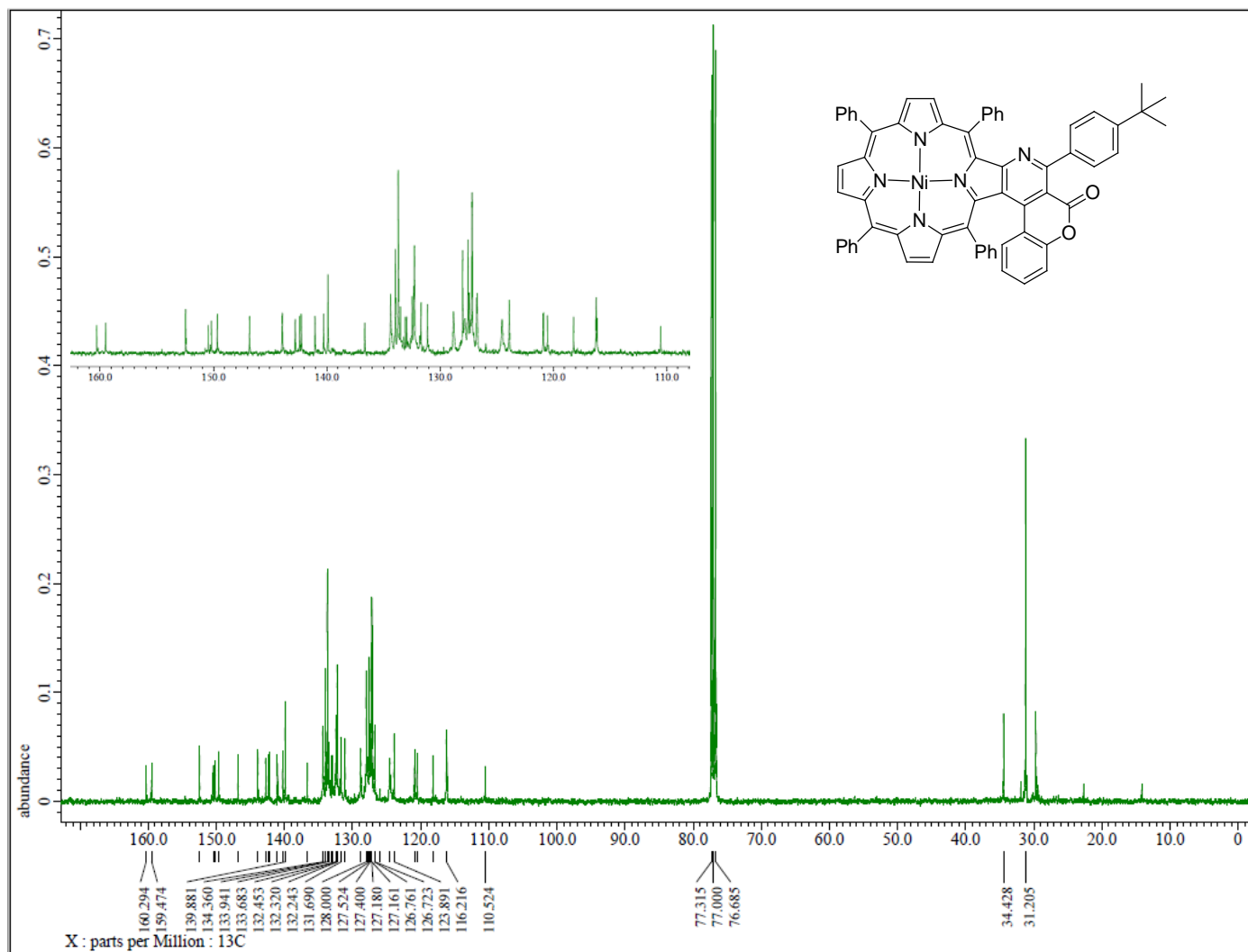


Figure S15. ^{13}C NMR spectrum of compound **(6d)** in CDCl_3

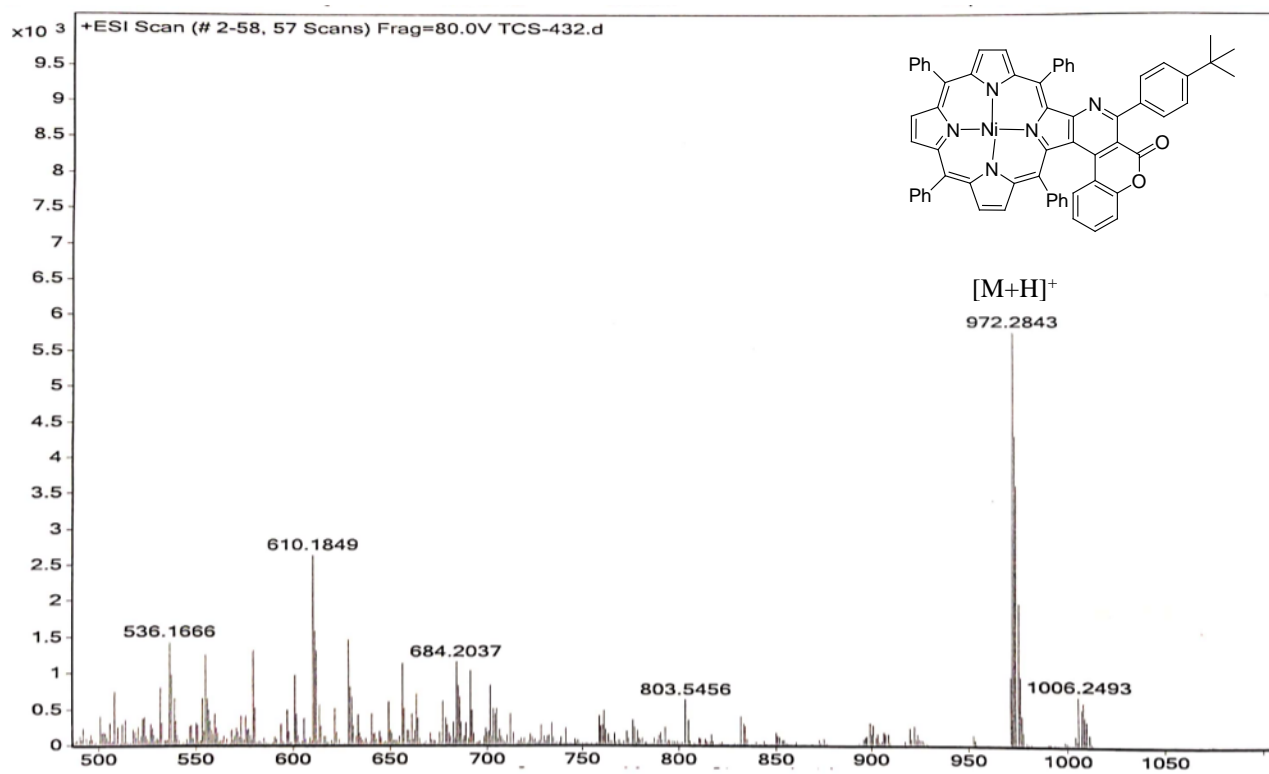


Figure S16. ESI mass spectrum of compound (6d)

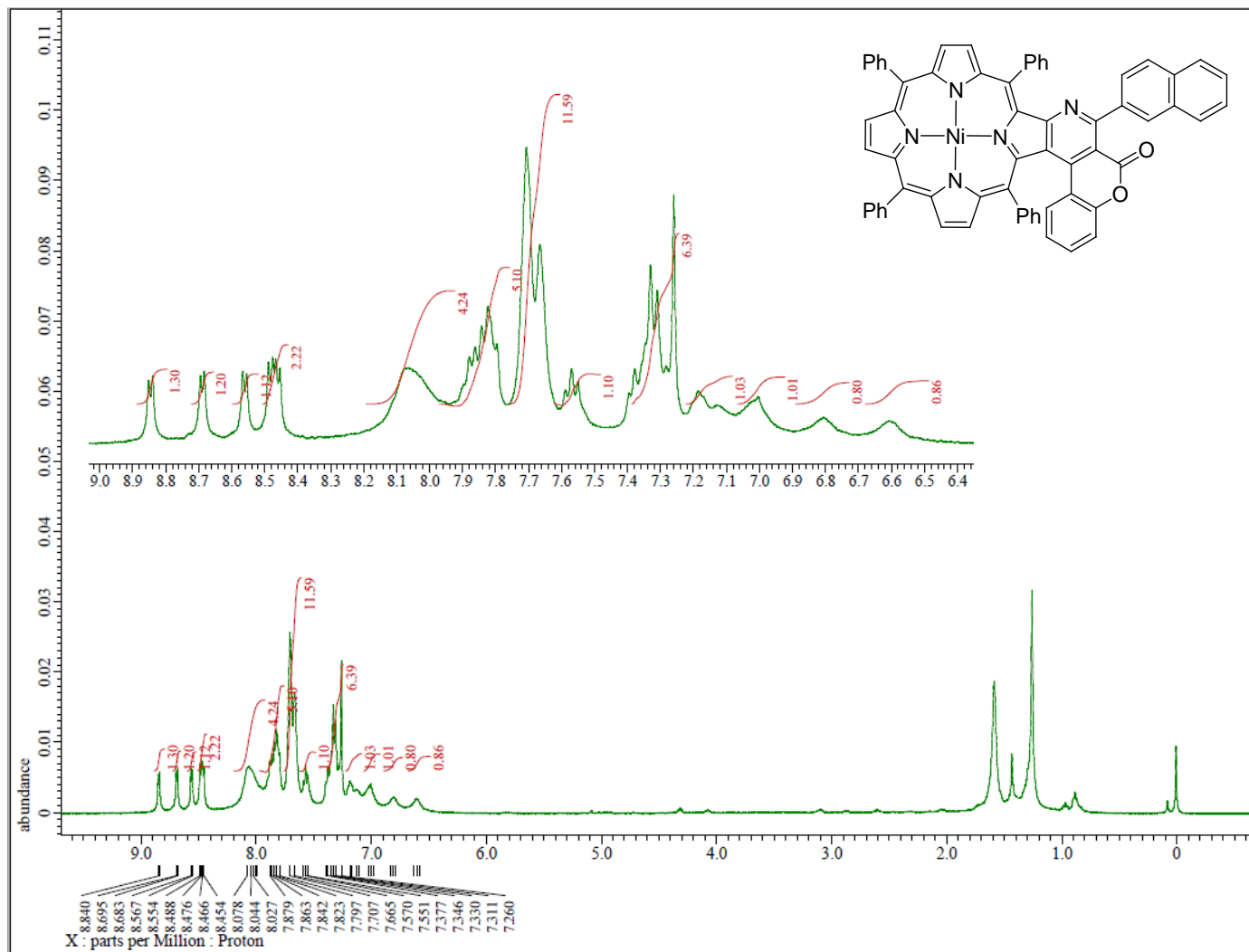


Figure S17. ^1H NMR spectrum of compound **(6e)** in CDCl_3

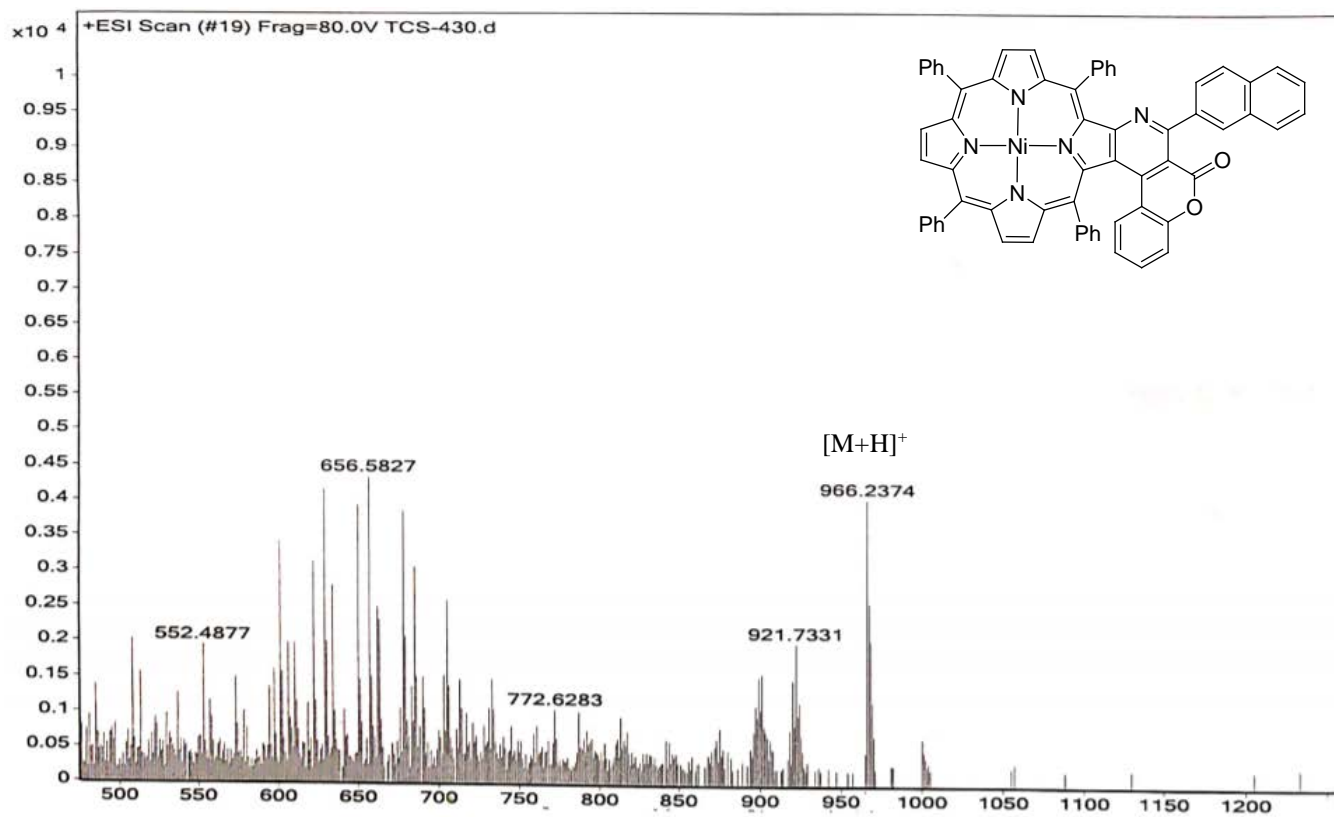


Figure S18. ESI mass spectrum of compound (**6e**)

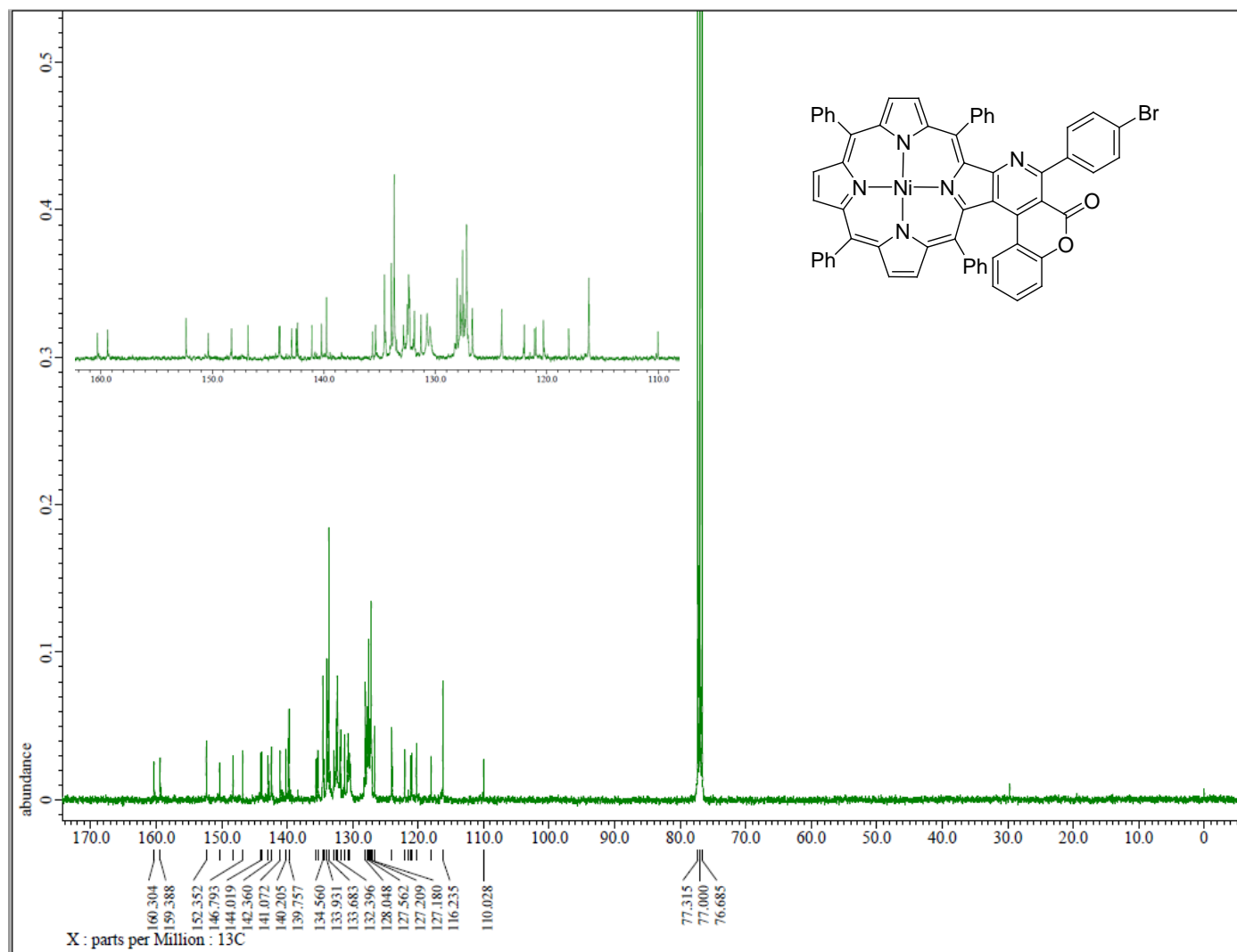


Figure S20. ^{13}C NMR spectrum of compound (6f) in CDCl_3

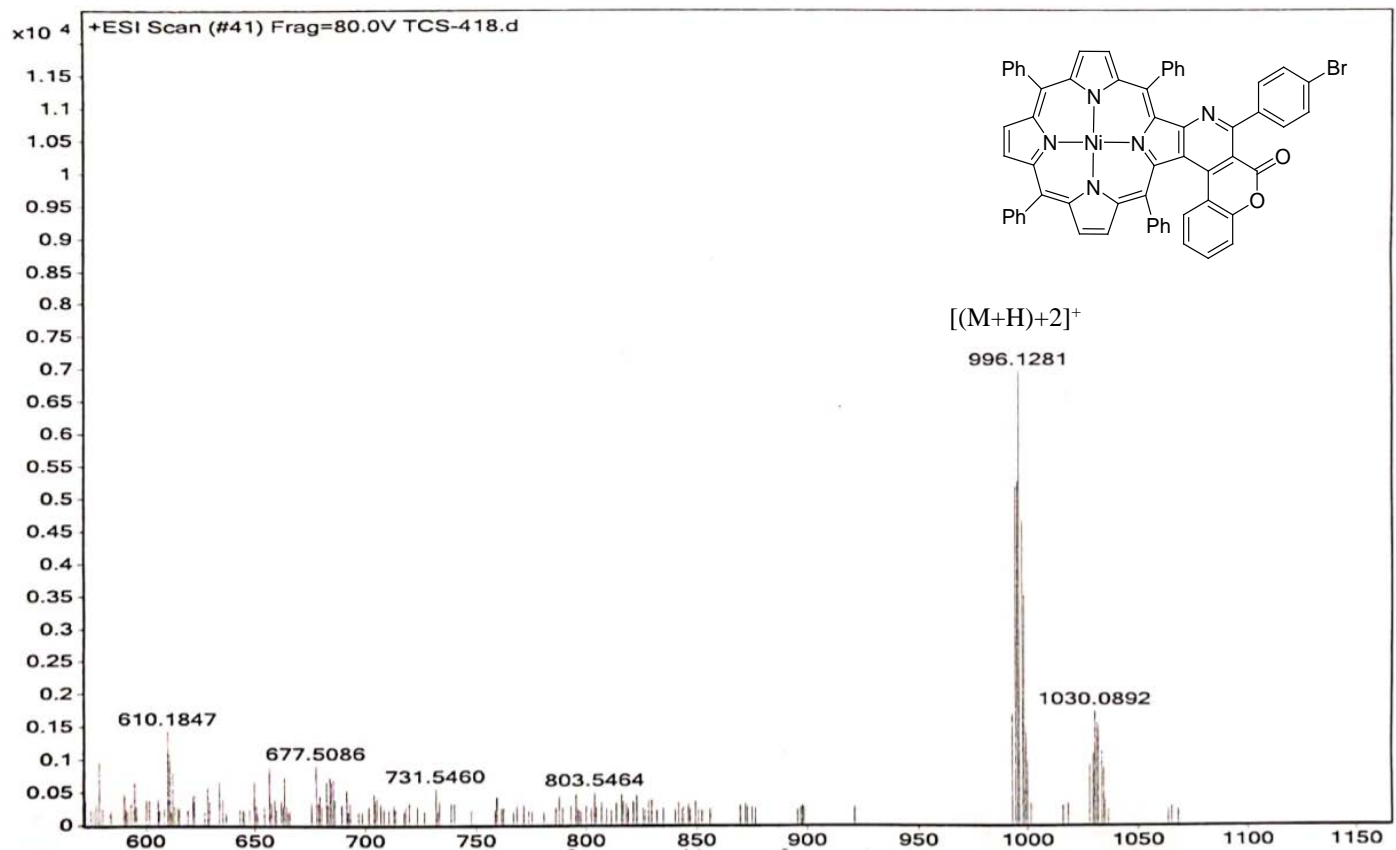


Figure S21. ESI mass spectrum of compound (6f)

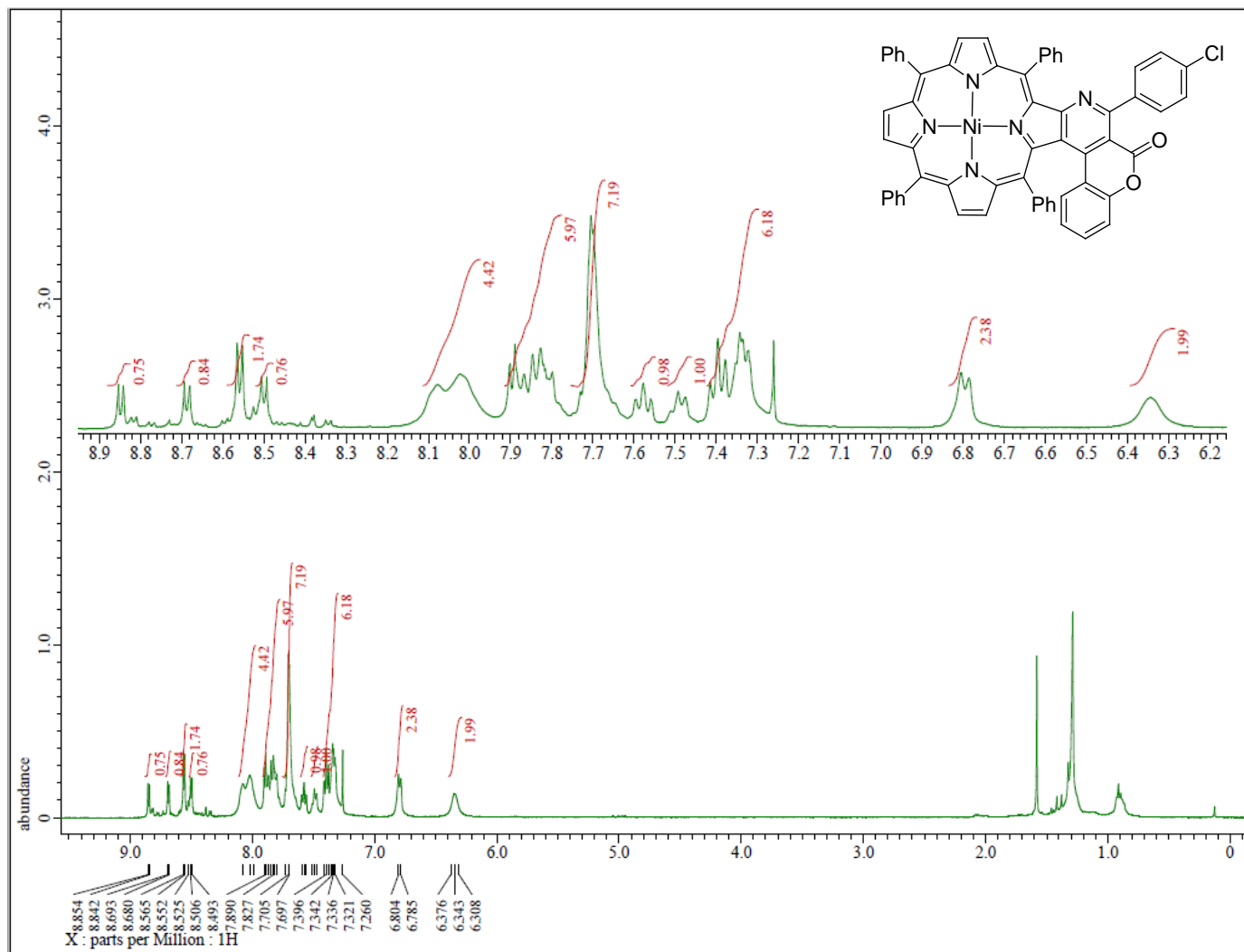


Figure S22. ^1H NMR spectrum of compound **(6g)** in CDCl_3

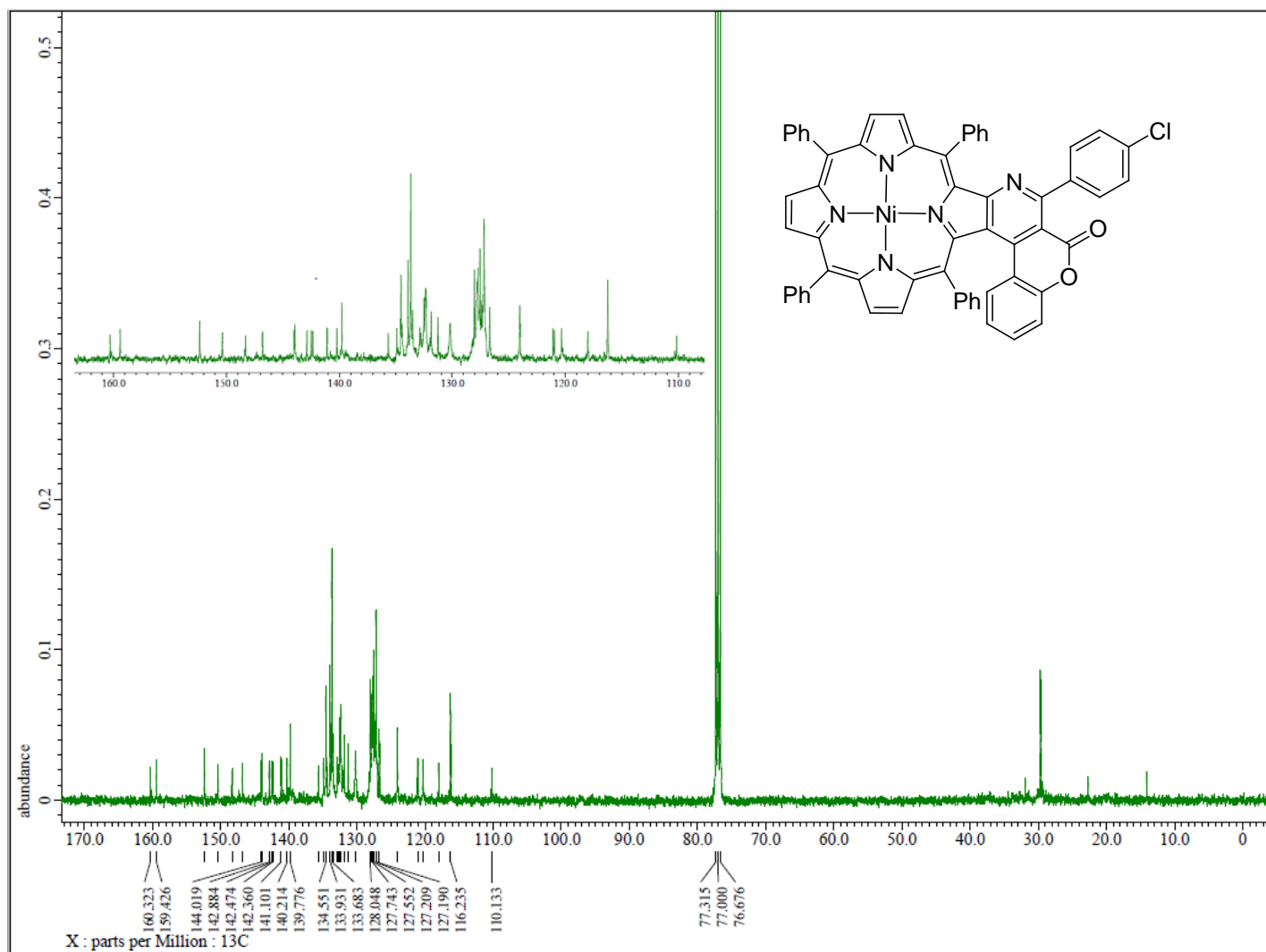


Figure S23. ^{13}C NMR spectrum of compound (**6g**) in CDCl_3

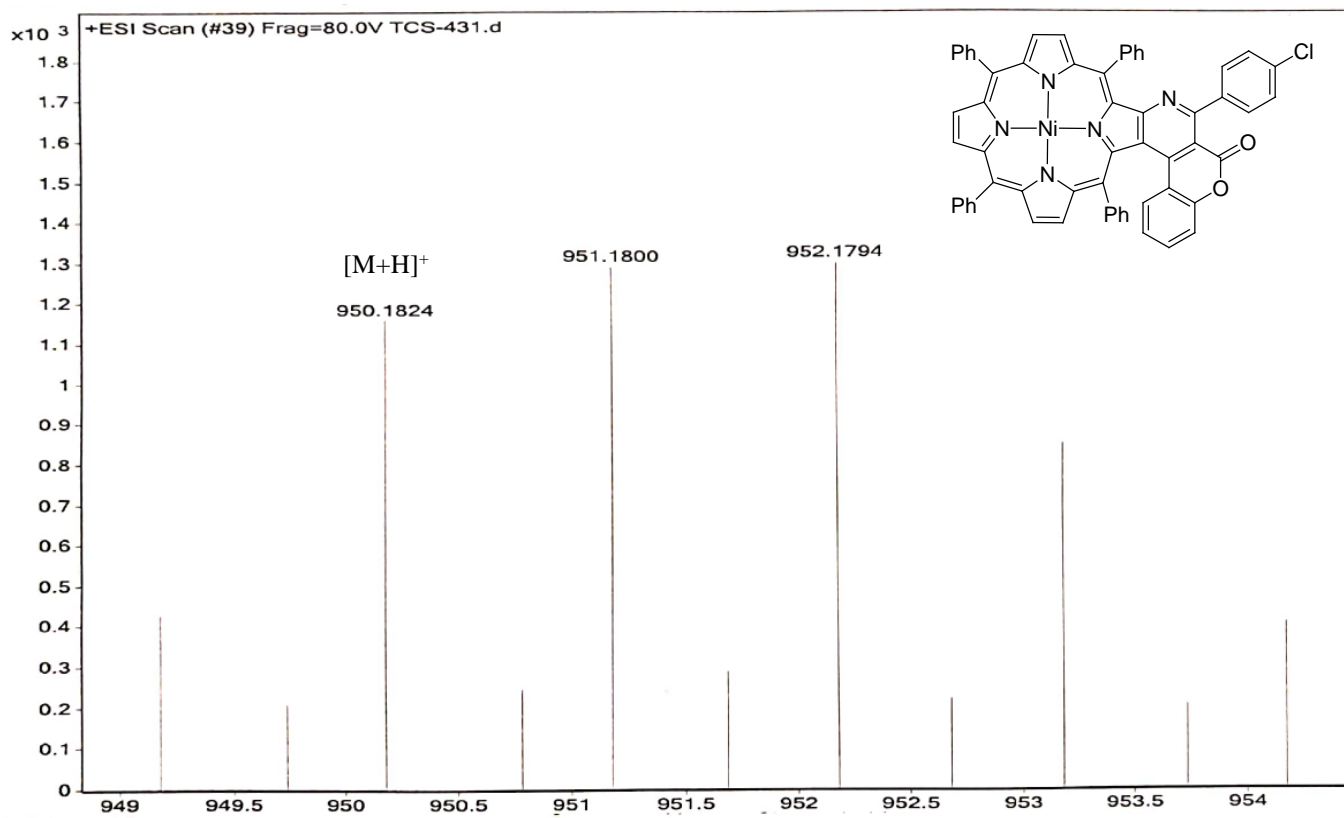


Figure S24. ESI mass spectrum of compound (6g)

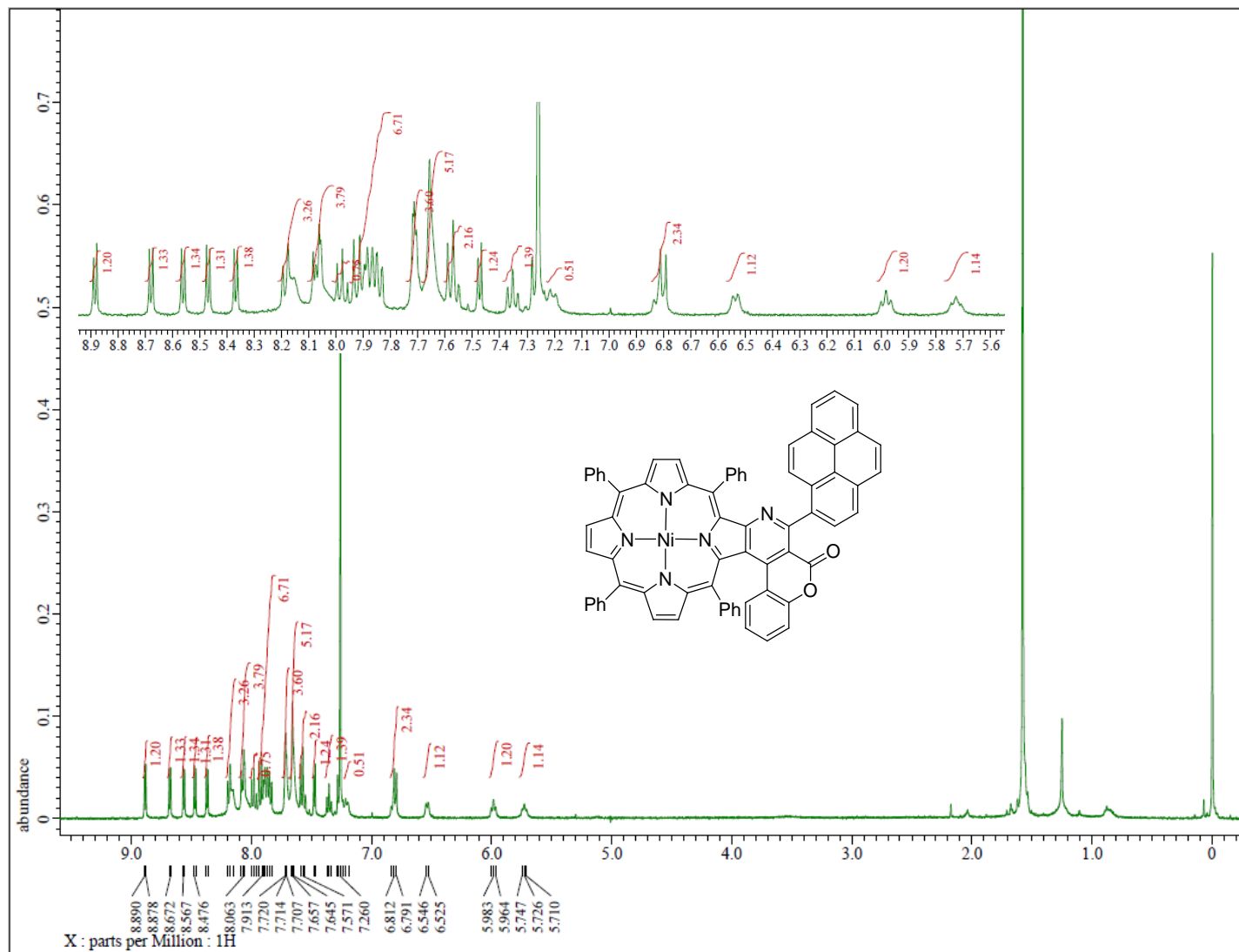


Figure S25. ^1H NMR spectrum of compound (**6h**) in CDCl_3

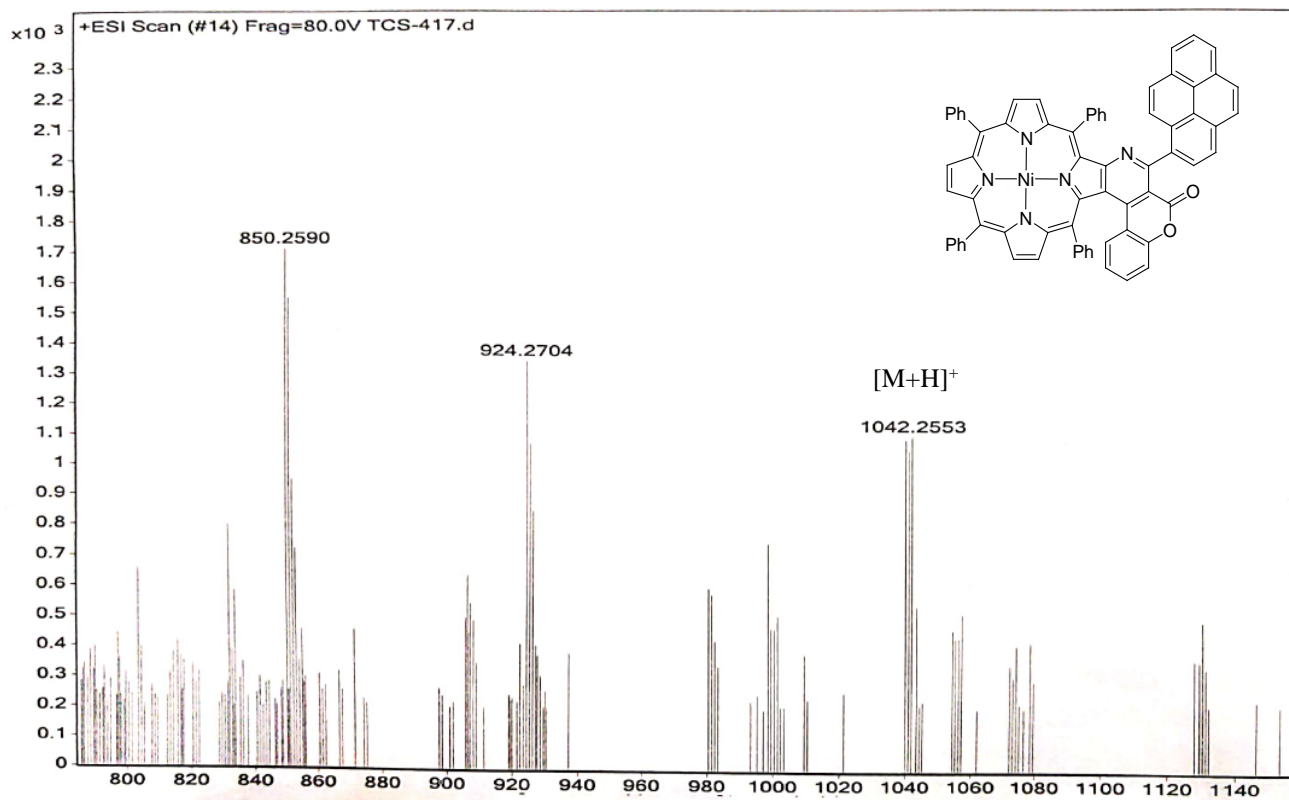


Figure S26. ESI mass spectrum of compound (6h)

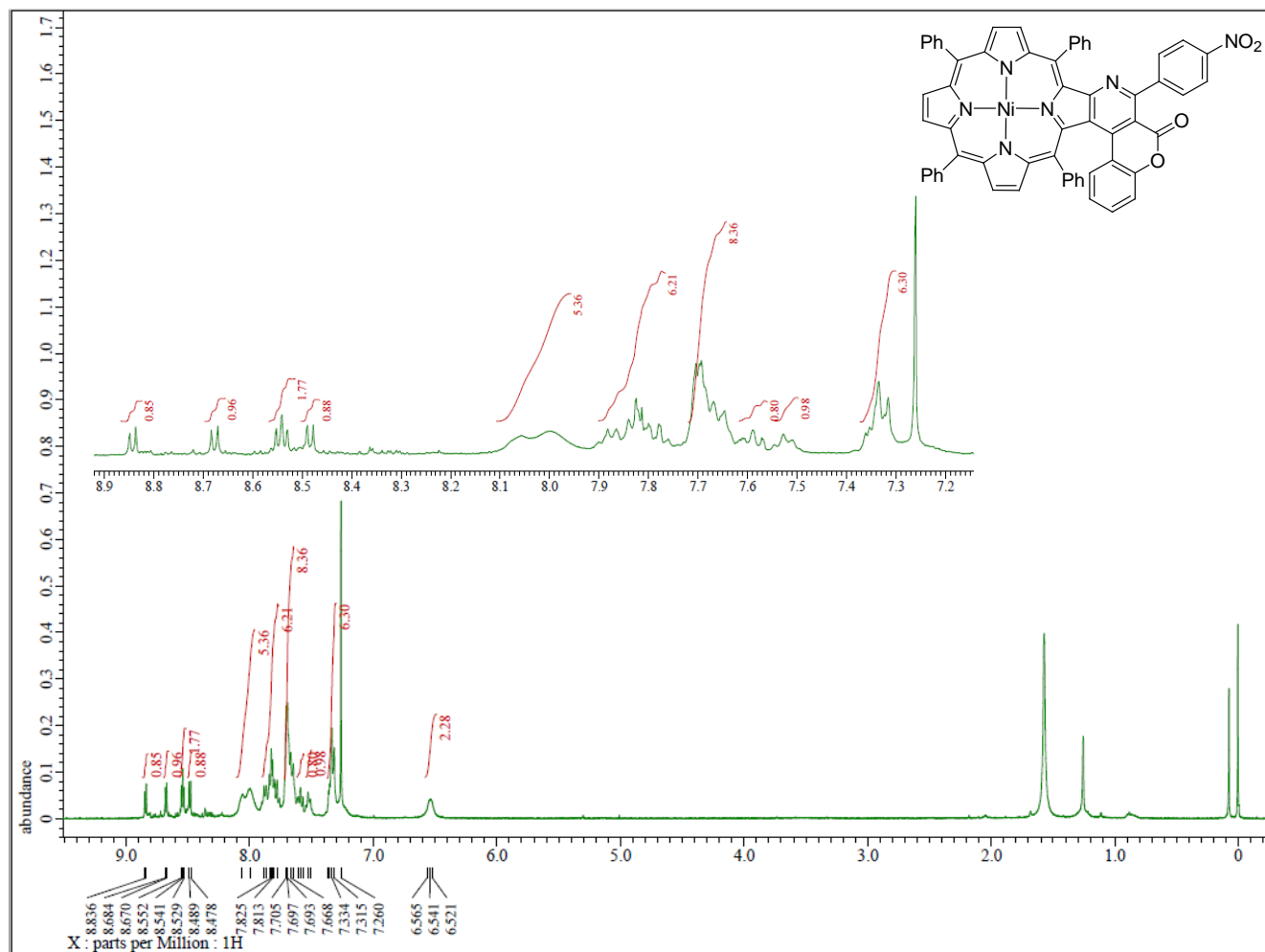


Figure S27. ^1H NMR spectrum of compound (6i) in CDCl_3

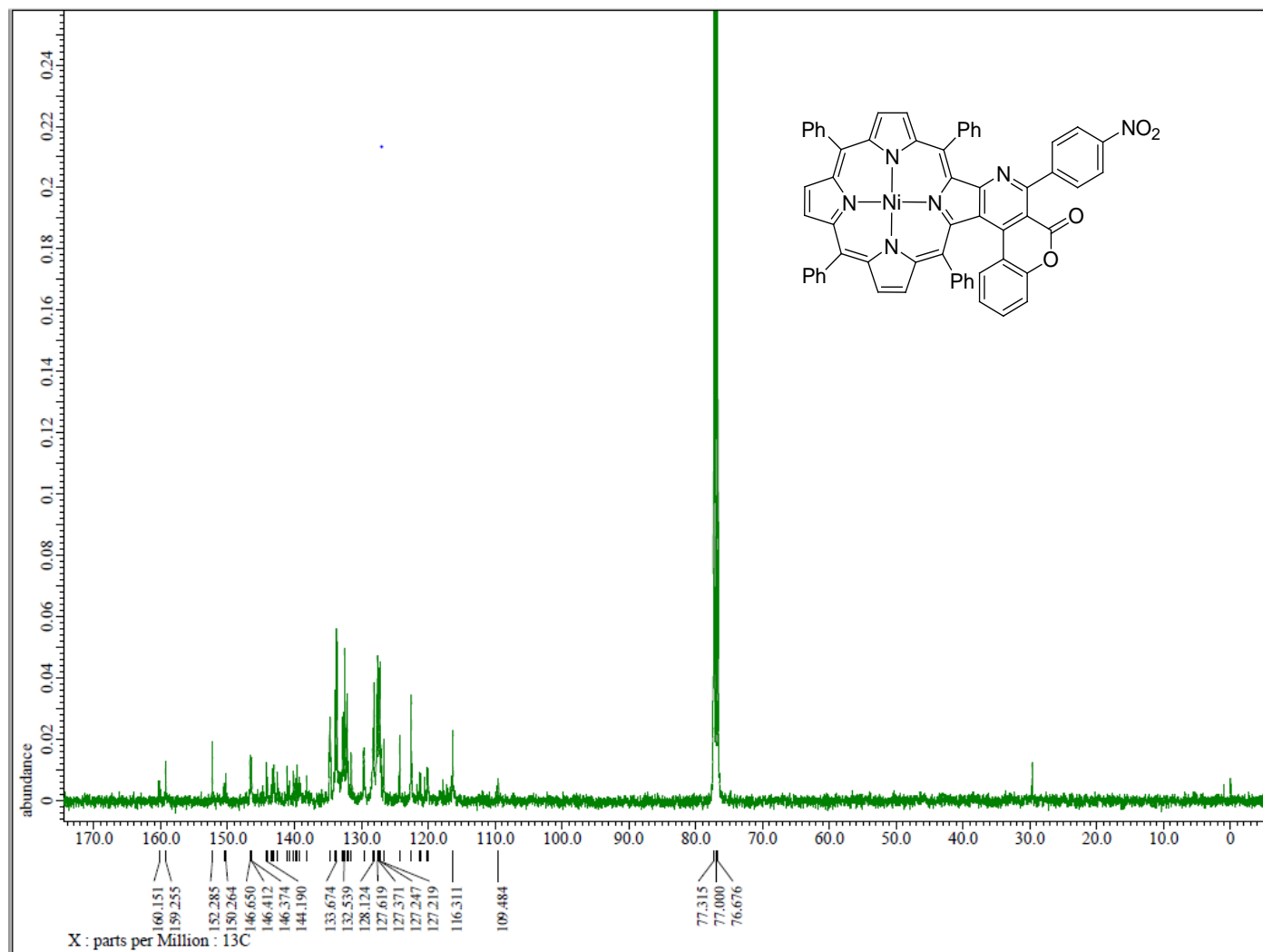


Figure S28. ¹³C NMR spectrum of compound (6i) in CDCl₃

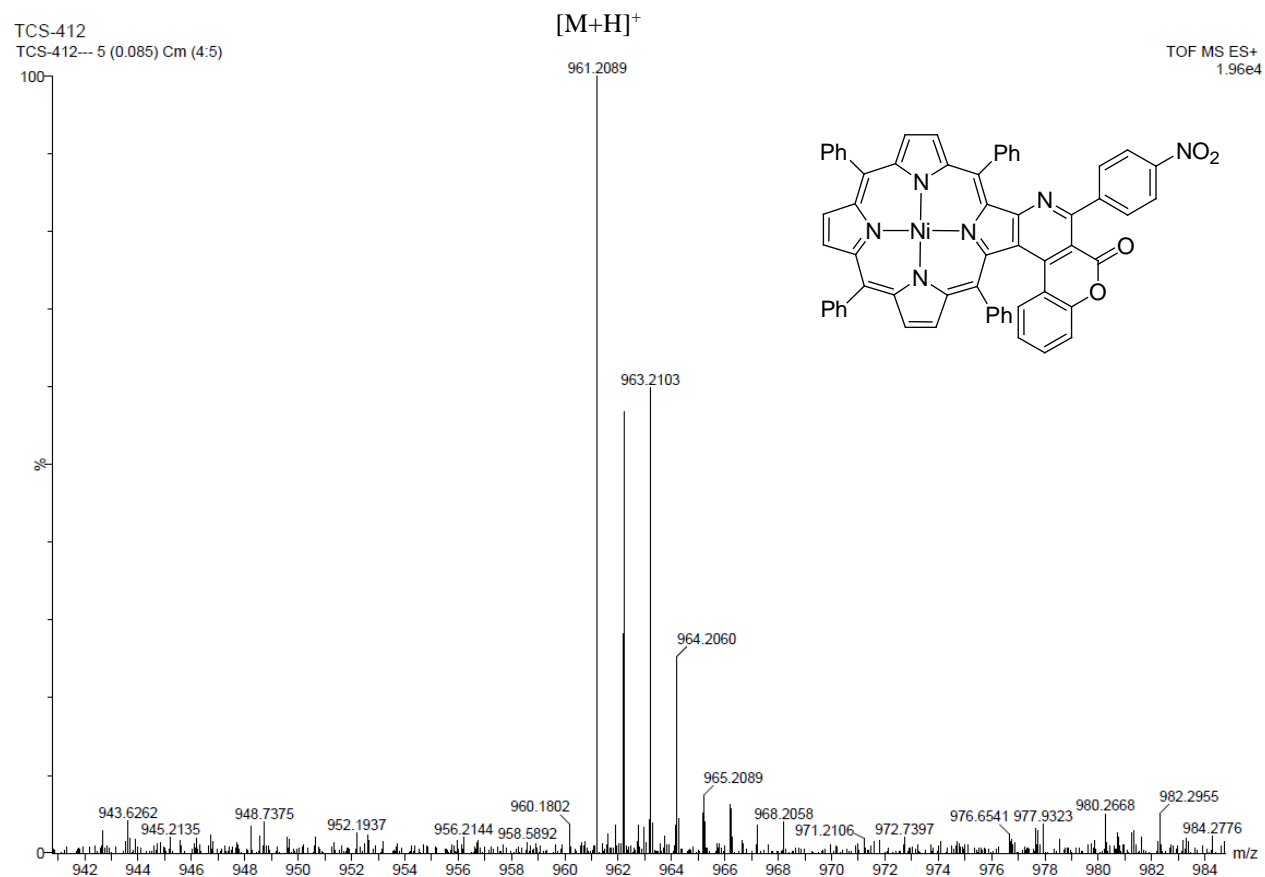


Figure S29. ESI mass spectrum of compound (**6i**)

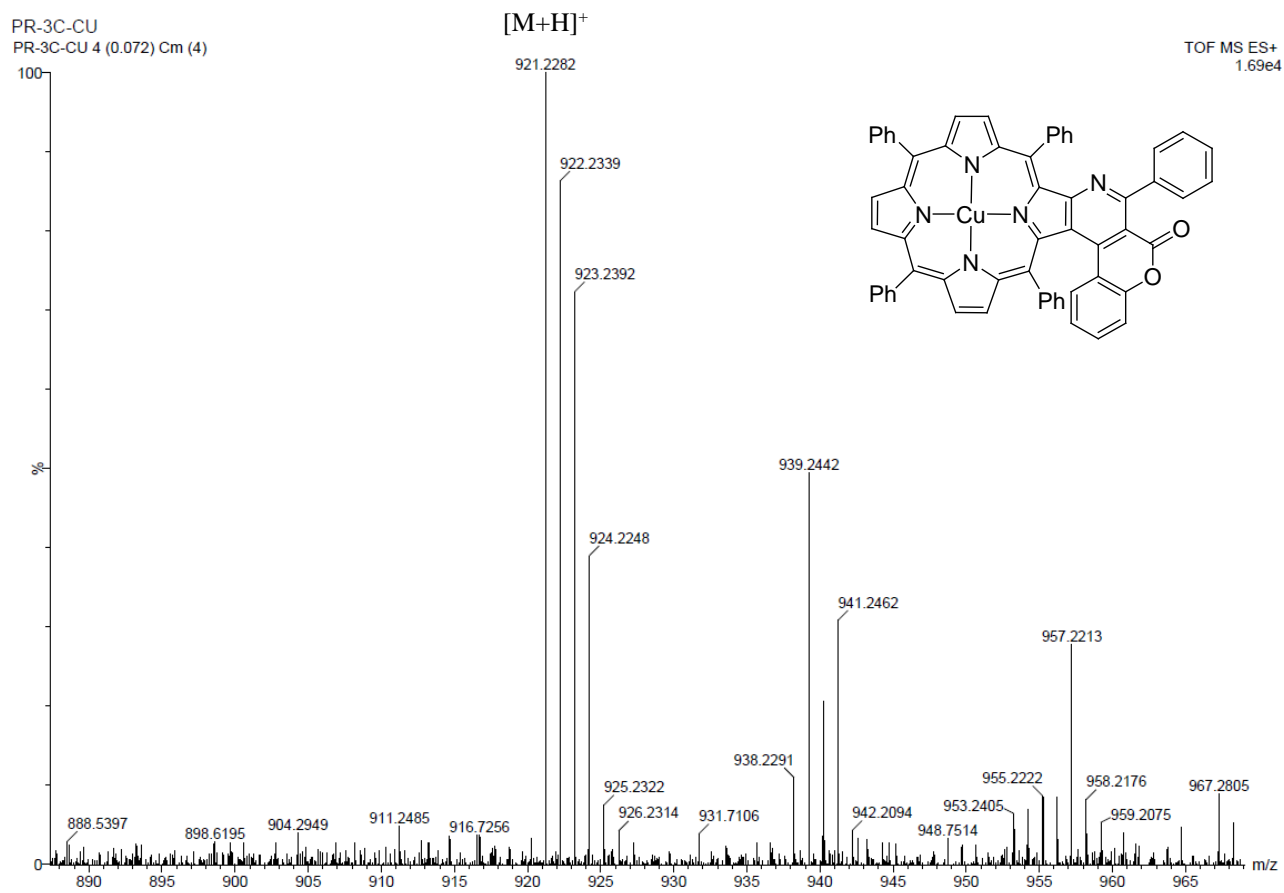


Figure S30. ESI mass spectrum of compound (7)

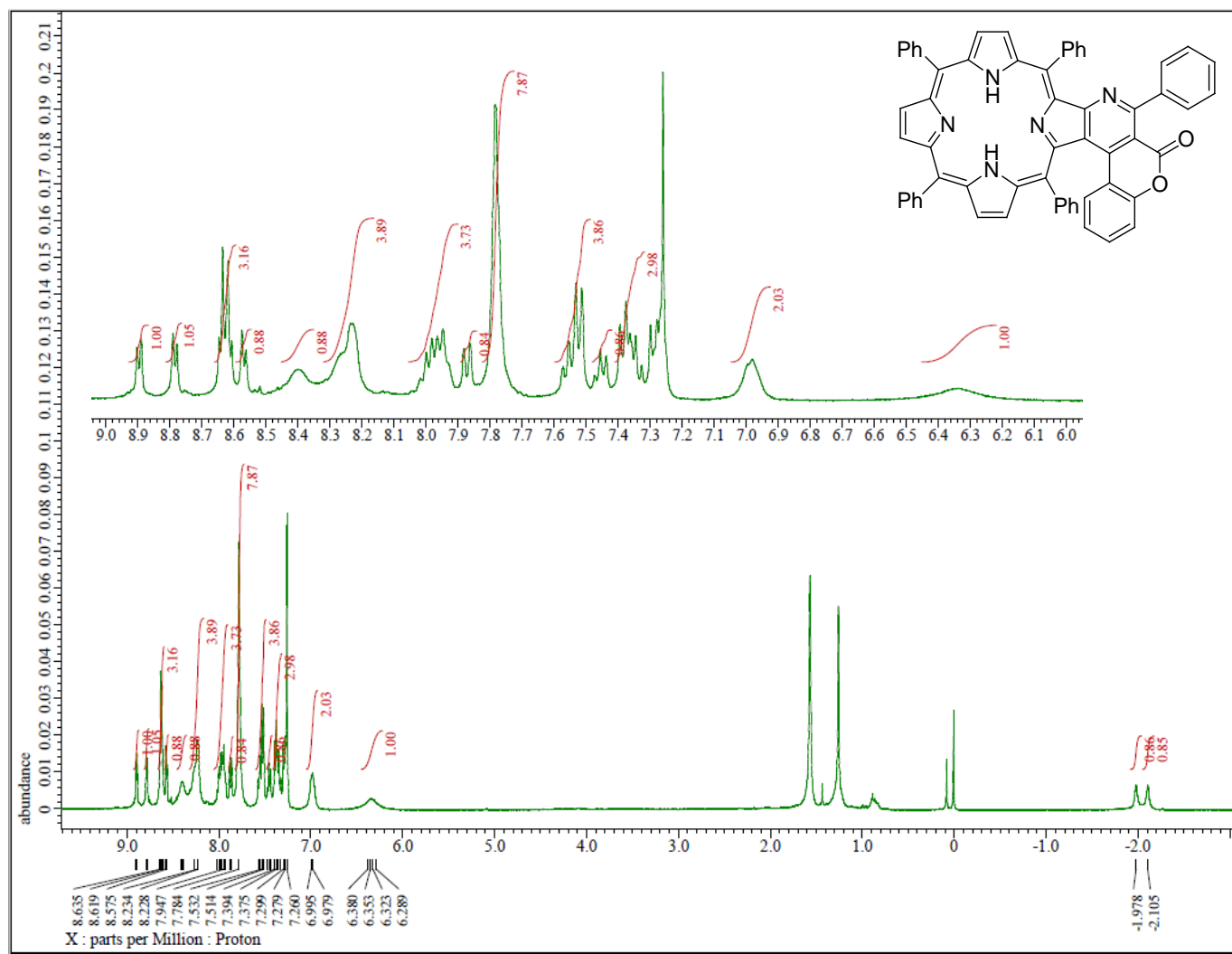


Figure S31. ^1H NMR spectrum of compound (8) in CDCl_3

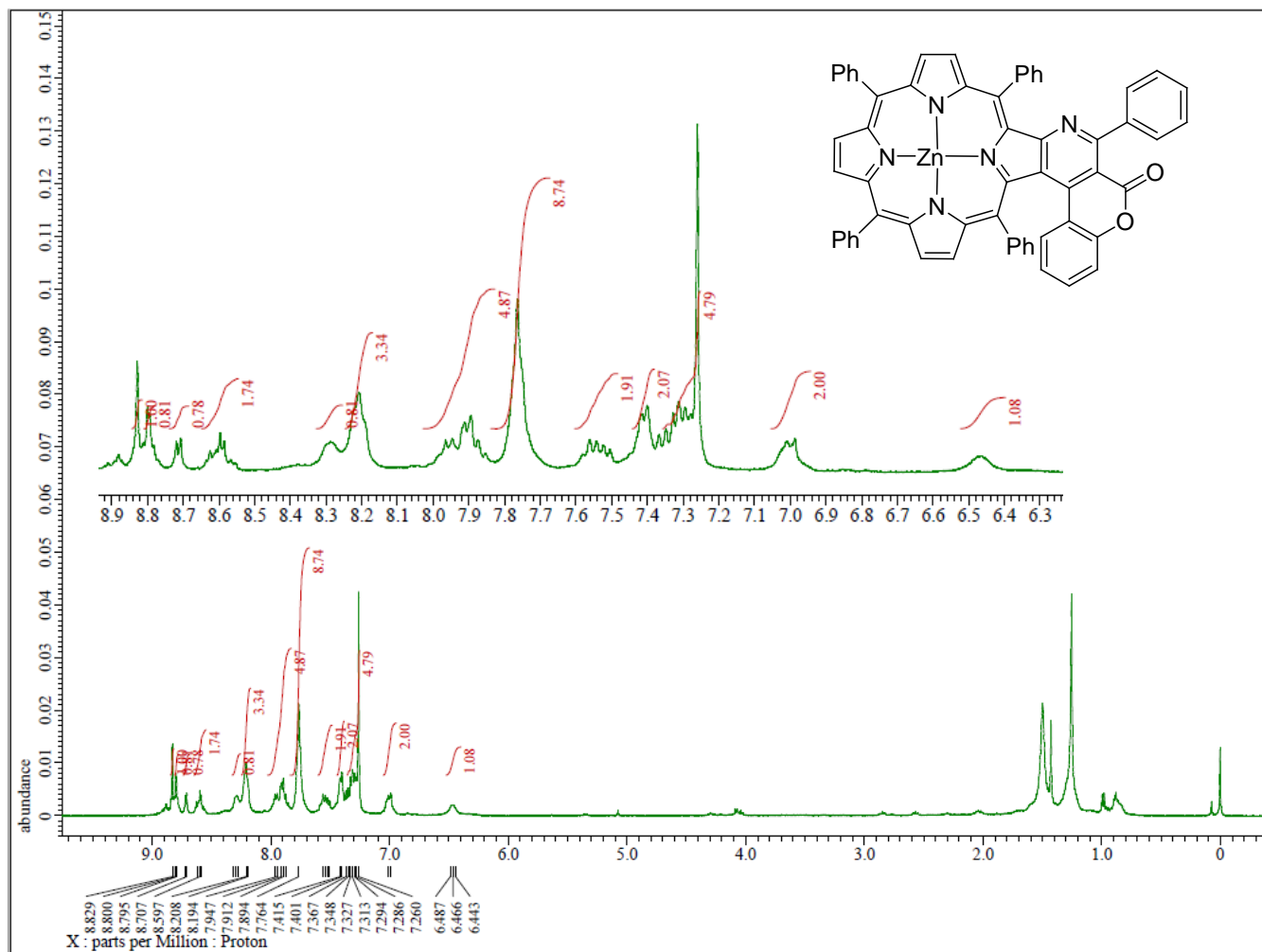


Figure S33. ^1H NMR spectrum of compound (9) in CDCl_3

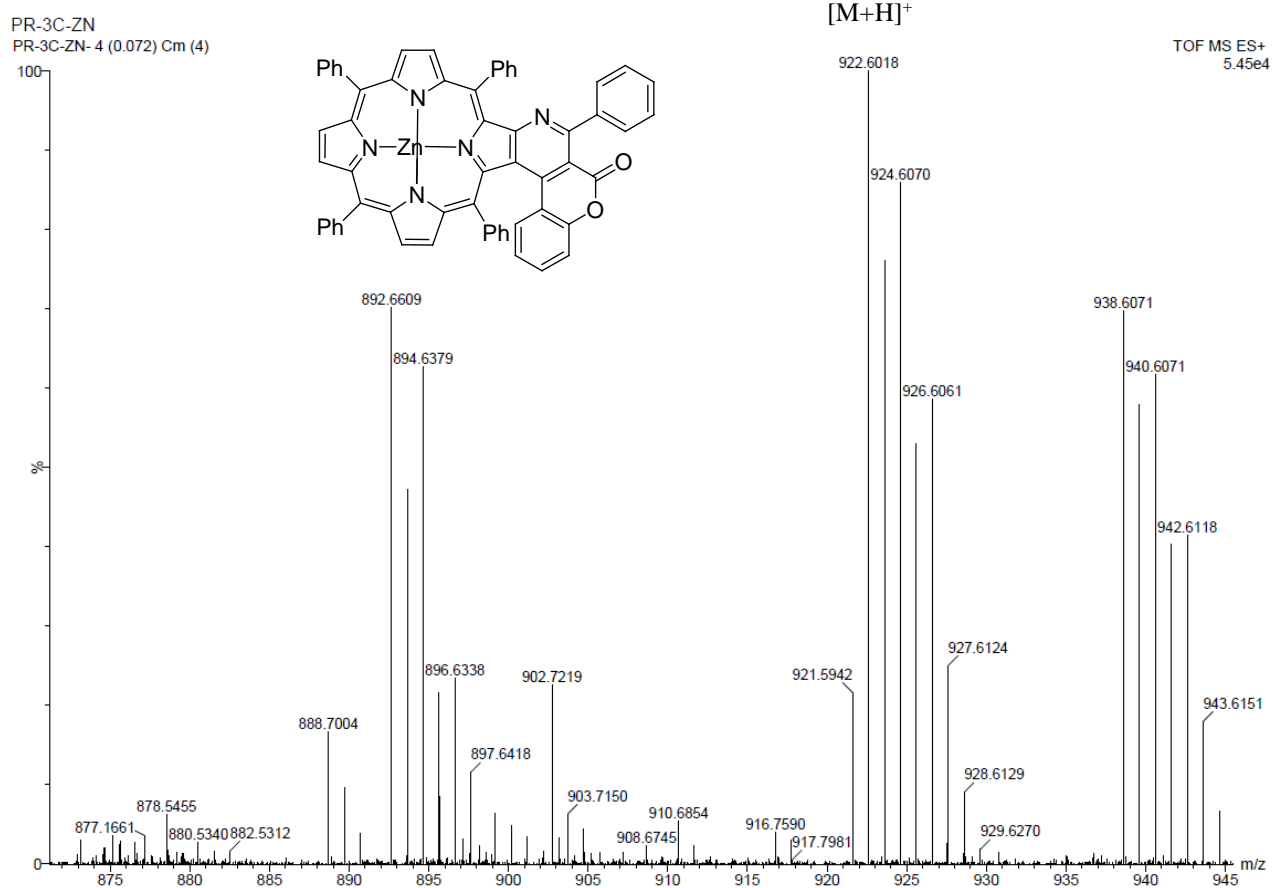


Figure S34. ESI mass spectrum of compound (9)