

Substituted Triphenylamines as Building Blocks for Star Shaped Organic Electronic Materials

Supplementary Material

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A) NMR Spectra

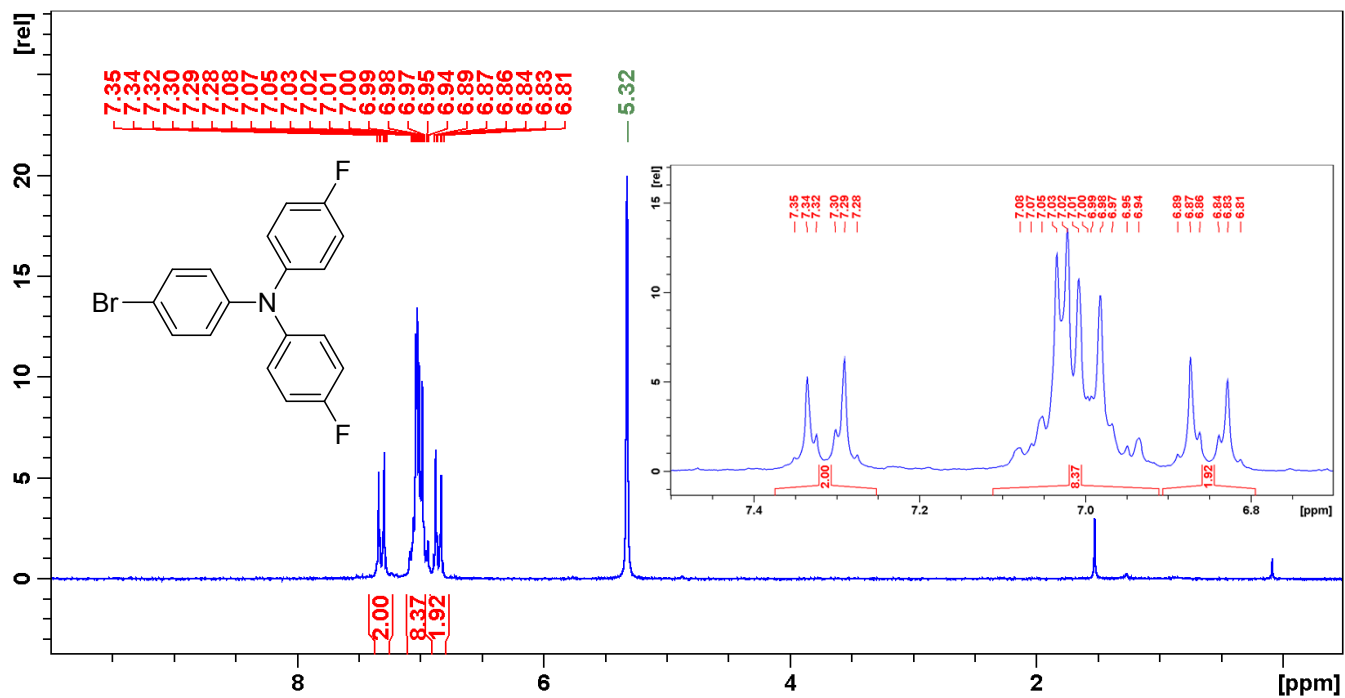


Figure S1. Proton NMR spectrum of compound **6c**.

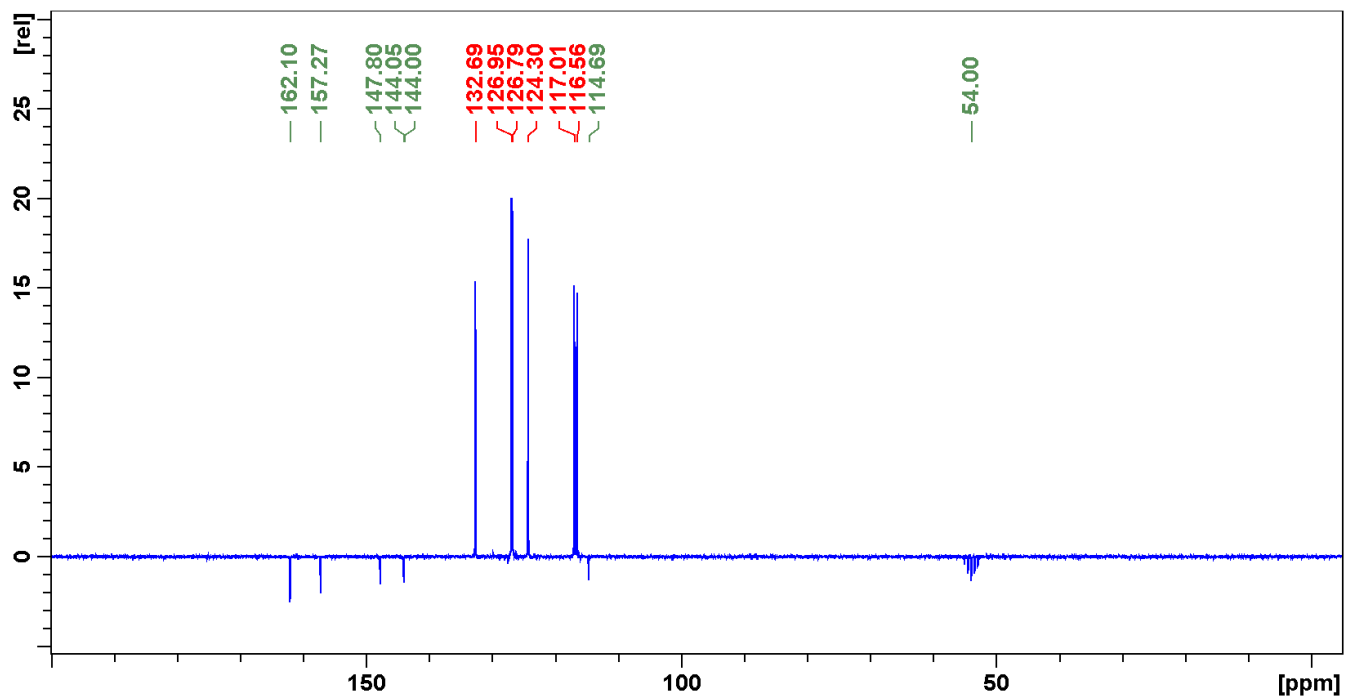


Figure S2. Carbon NMR spectrum of compound **6c**.

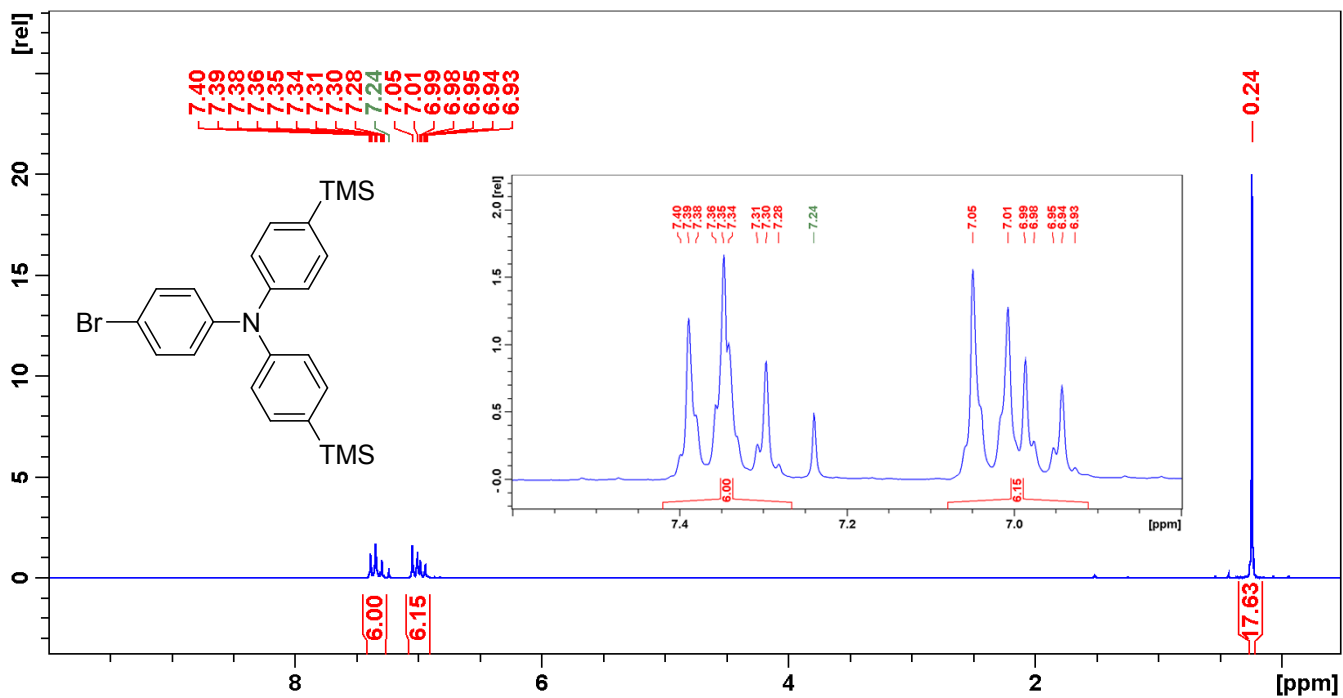


Figure S3. Proton NMR spectrum of compound 6e.

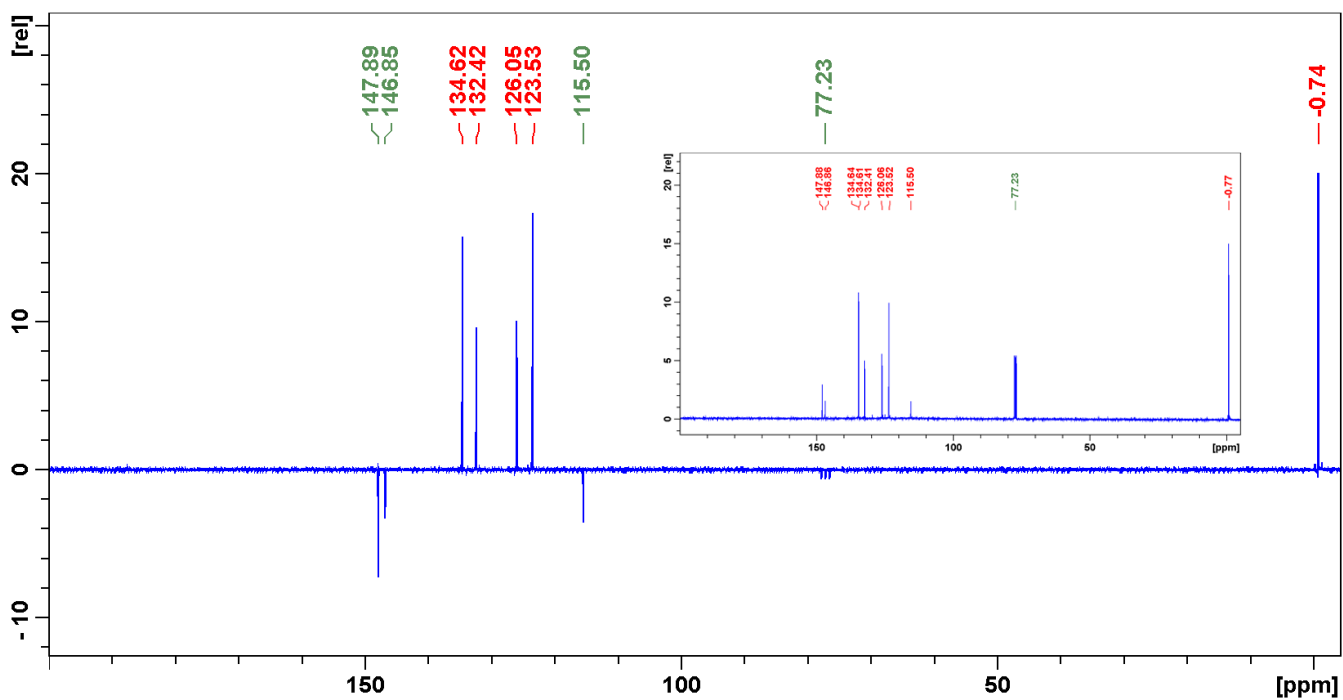


Figure S4. Carbon NMR spectrum of compound 6e.

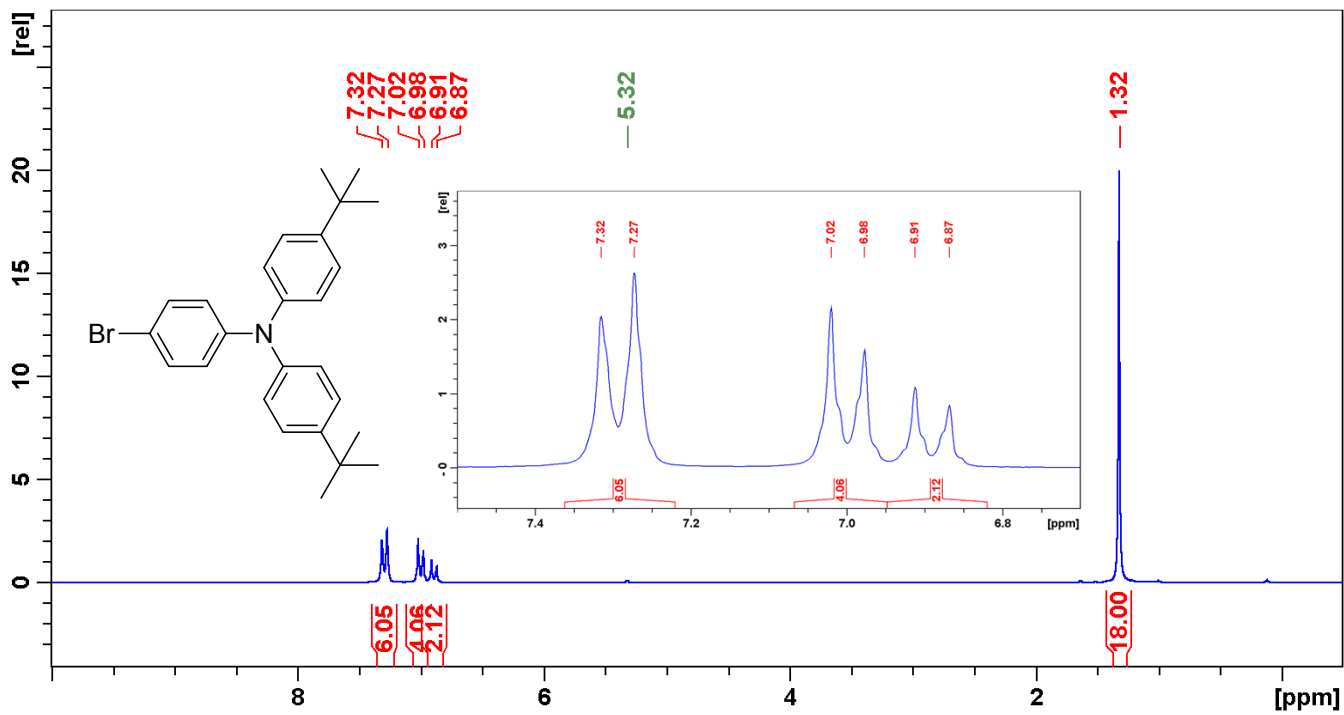


Figure S5. Proton NMR spectrum of compound **6f**.

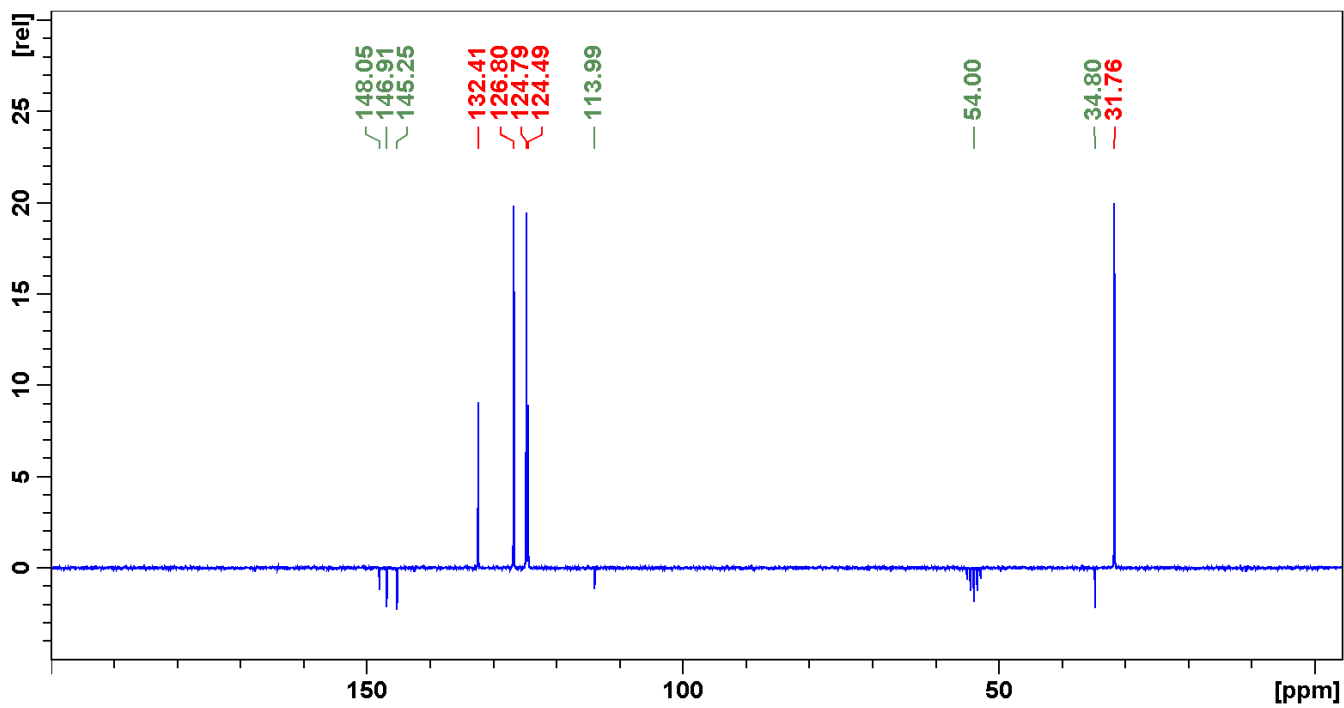


Figure S6. Carbon NMR spectrum of compound **6f**.

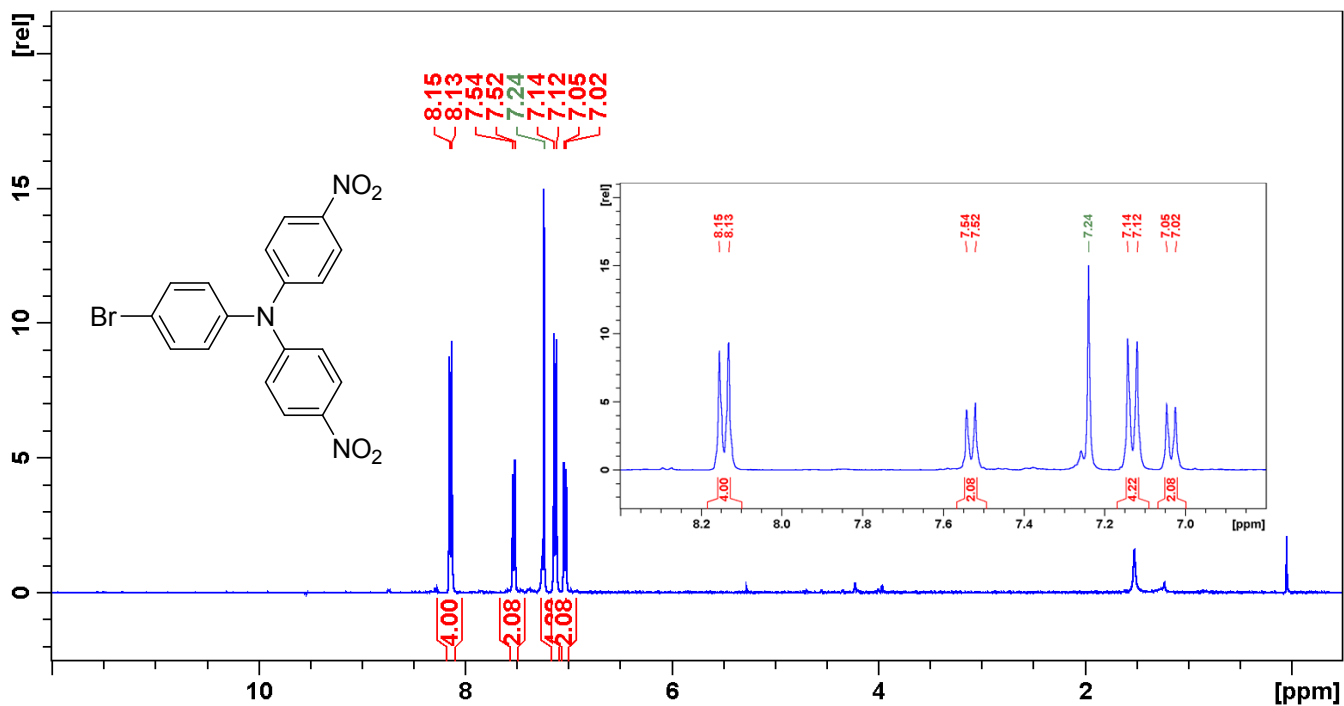


Figure S7. Proton NMR spectrum of compound **6g**.

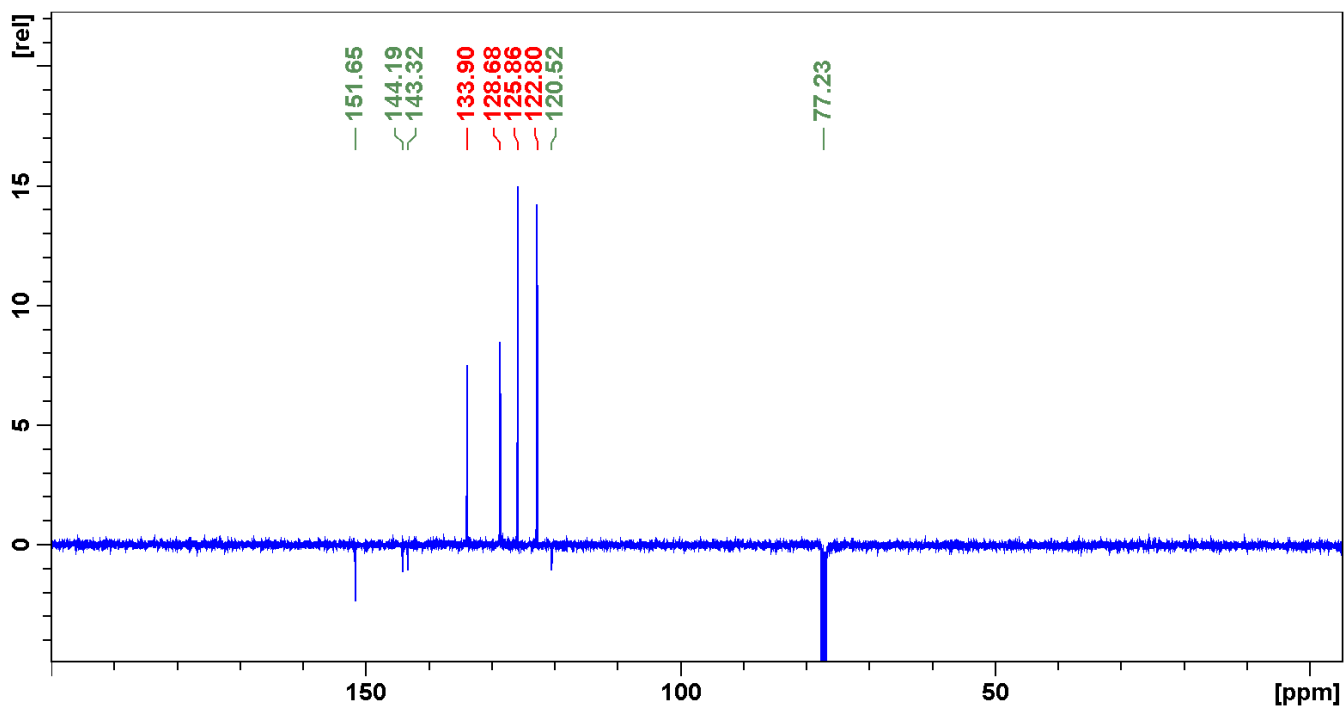


Figure S8. Carbon NMR spectrum of compound **6g**.

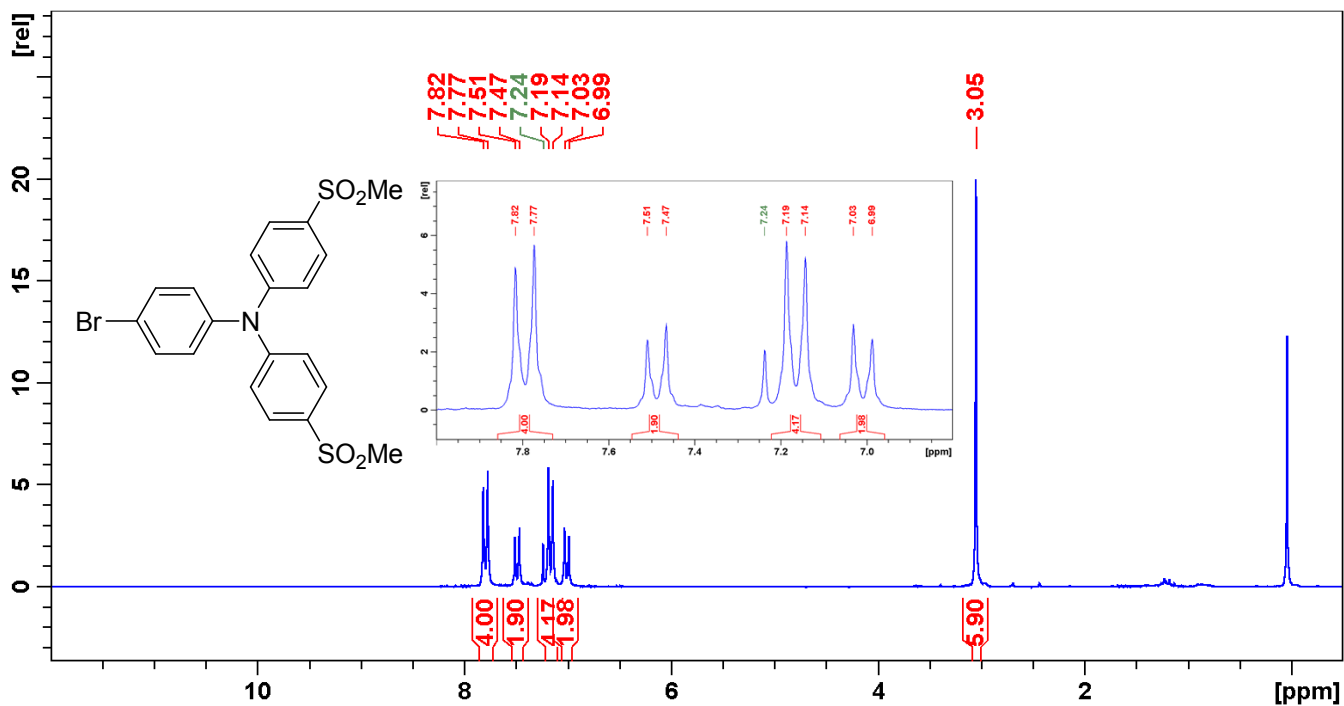


Figure S9. Proton NMR spectrum of compound **6h**.

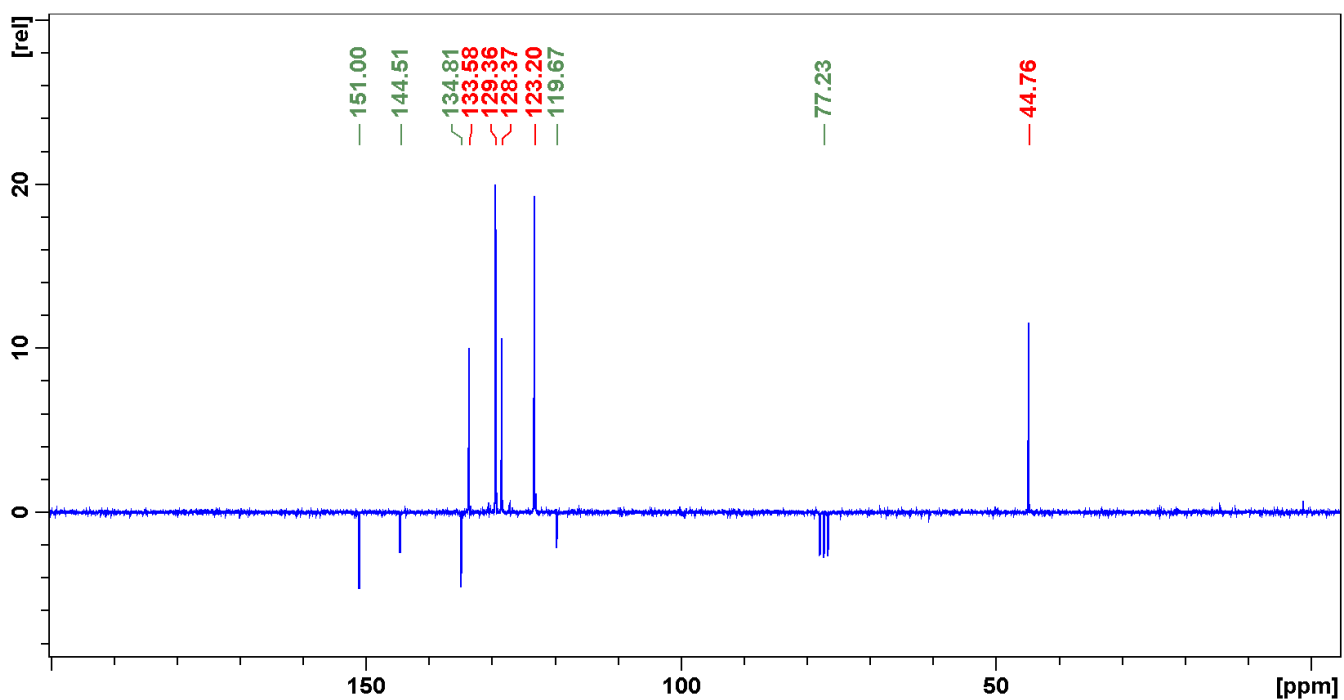


Figure S10. Carbon NMR spectrum of compound **6h**.

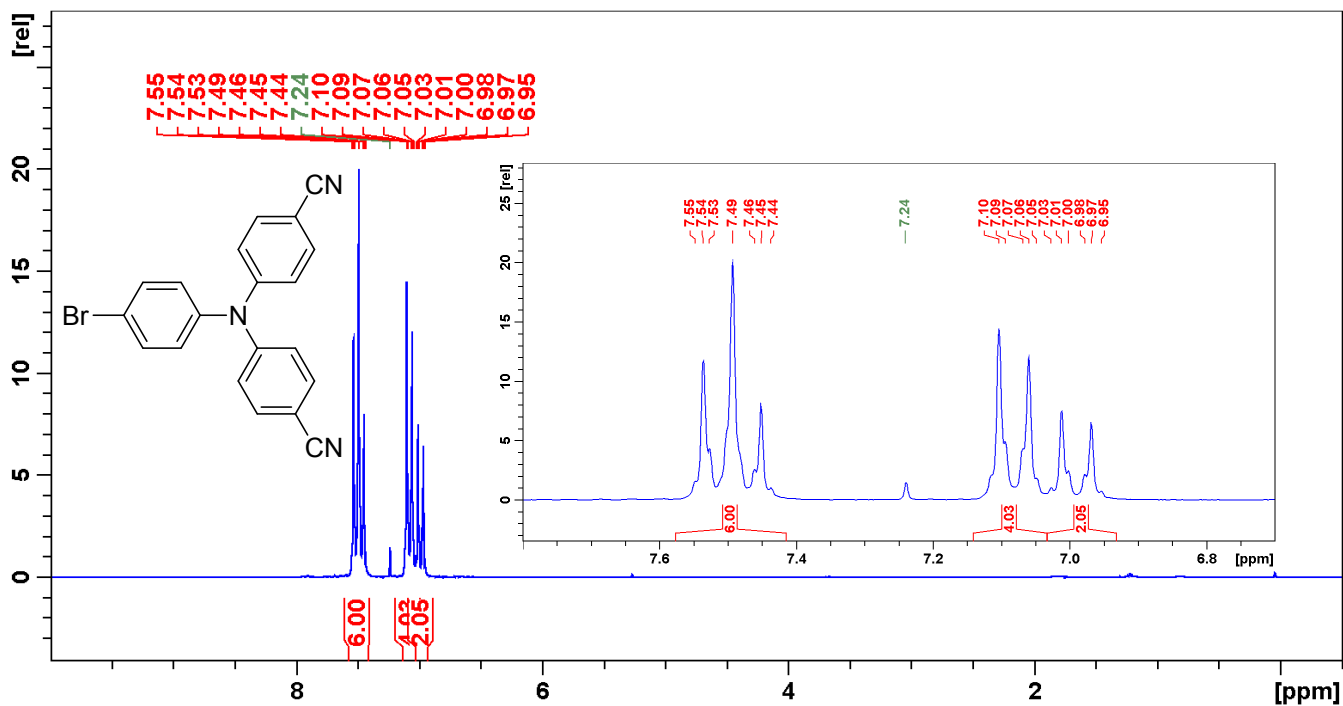


Figure S11. Proton NMR spectrum of compound **6i**.

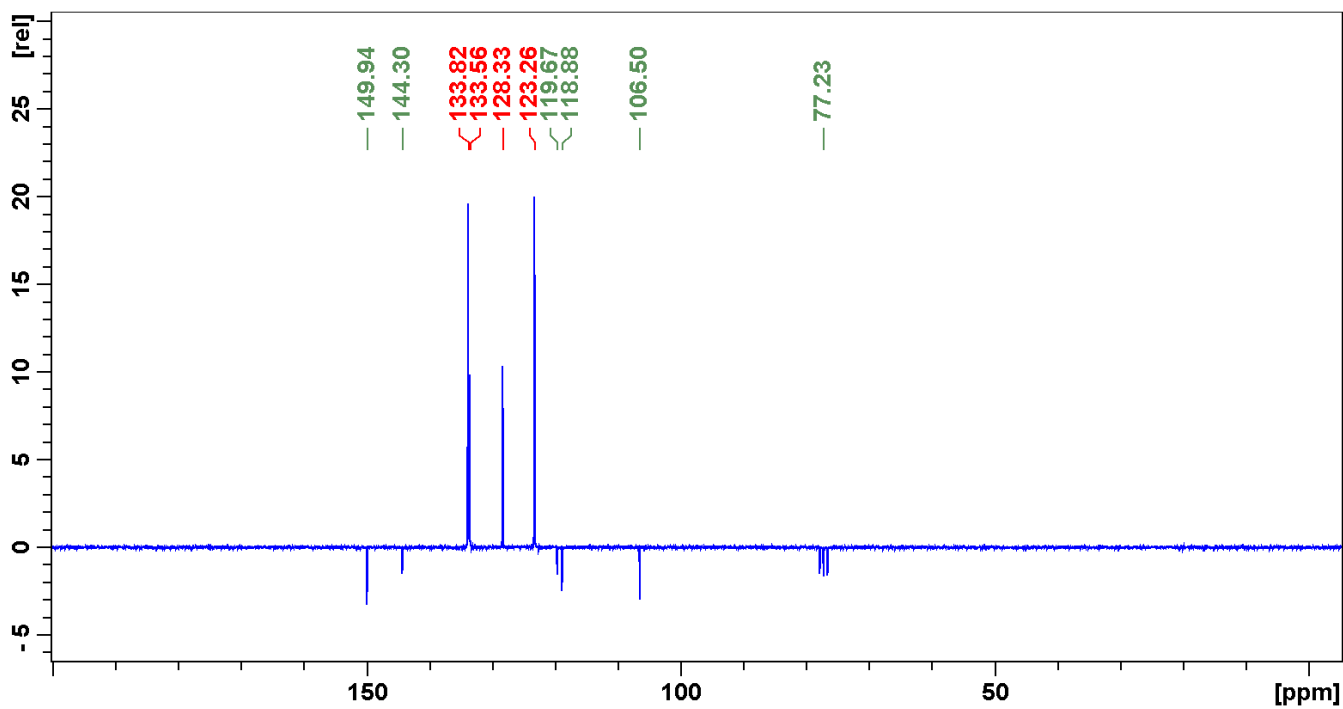


Figure S12. Carbon NMR spectrum of compound **6i**.

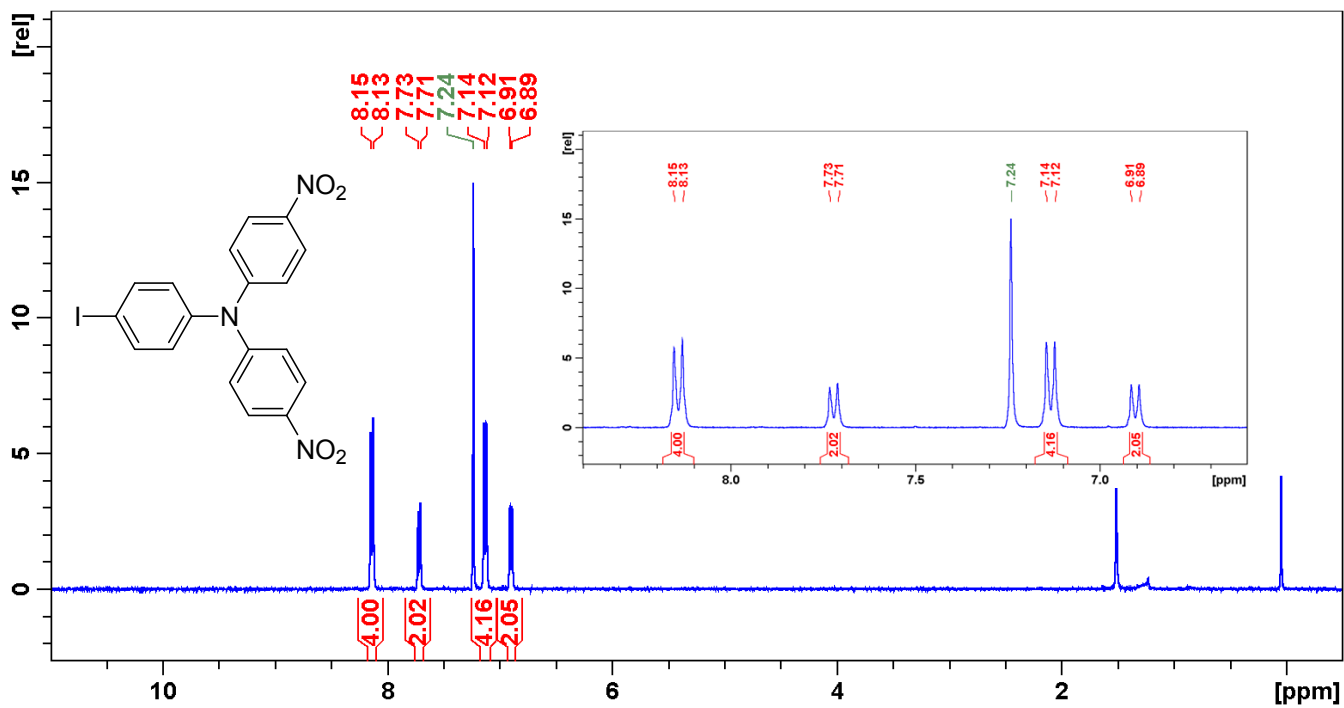


Figure S13. Proton NMR spectrum of compound **6j**.

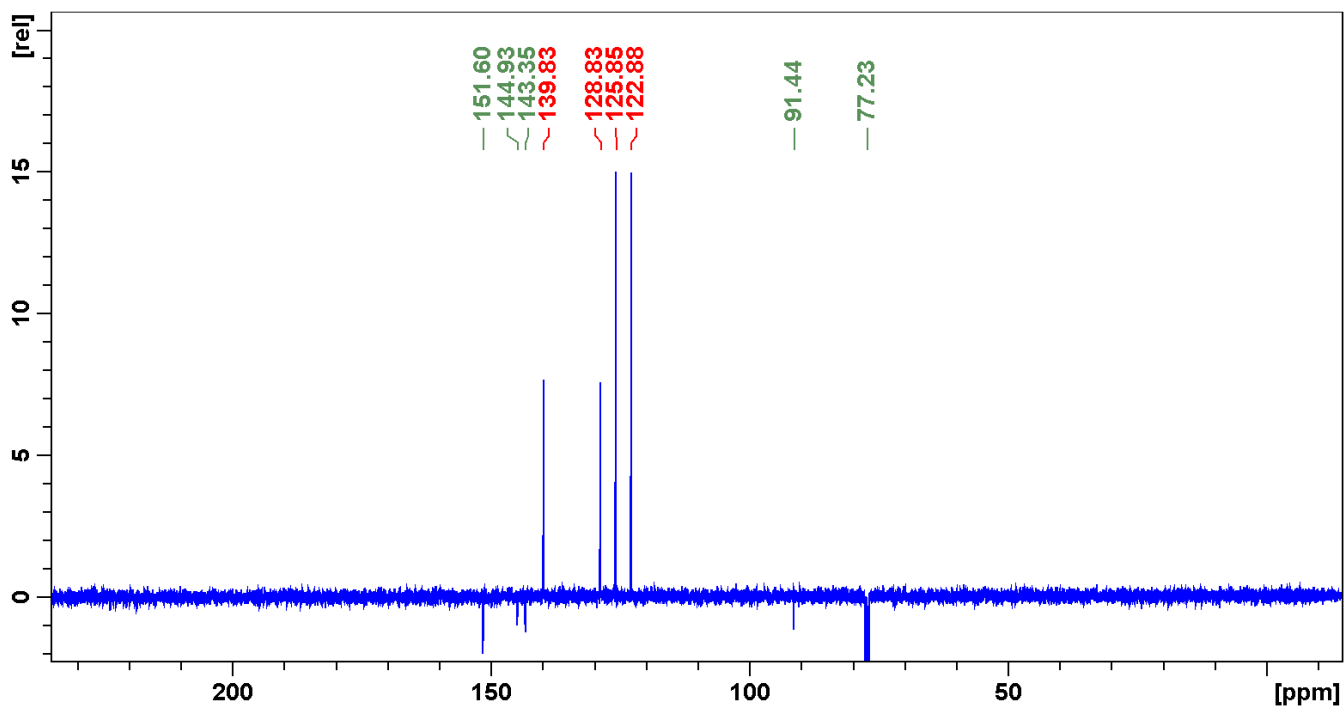


Figure S14. Carbon NMR spectrum of compound **6j**.

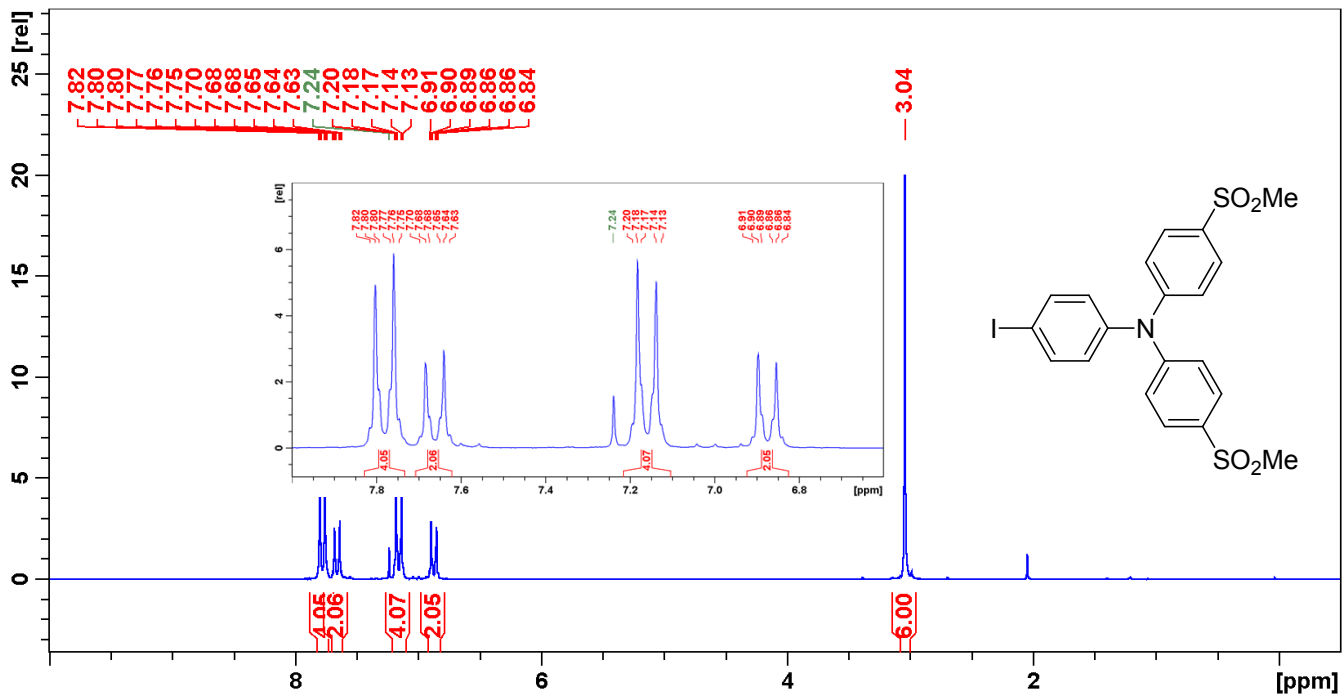


Figure S15. Proton NMR spectrum of compound **6k**.

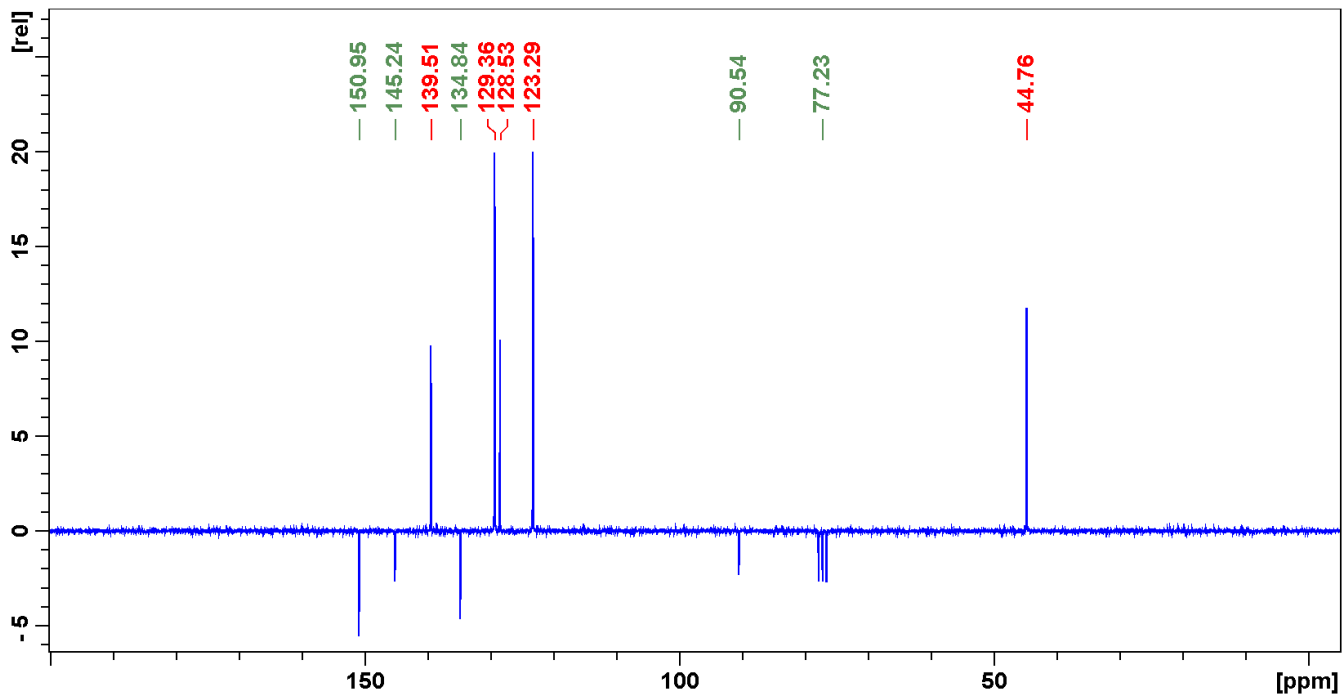


Figure S16. Carbon NMR spectrum of compound **6k**.

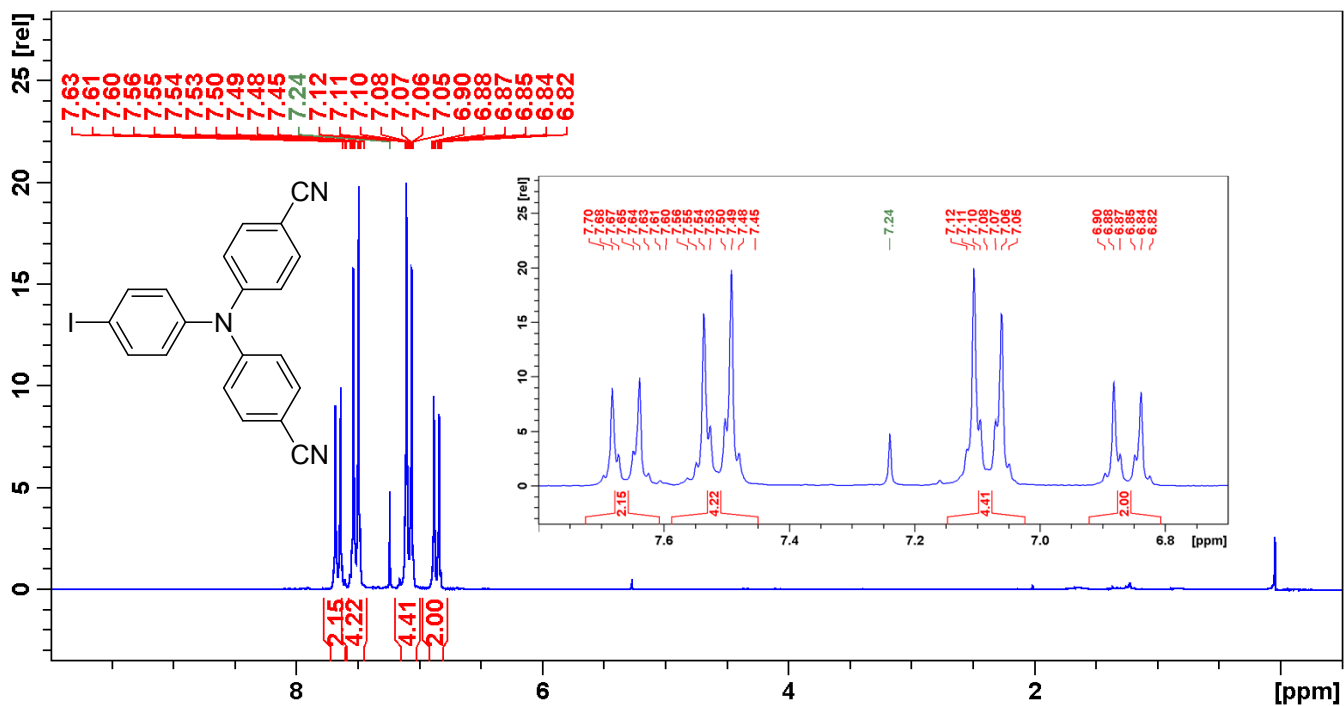


Figure S17. Proton NMR spectrum of compound **6I**.

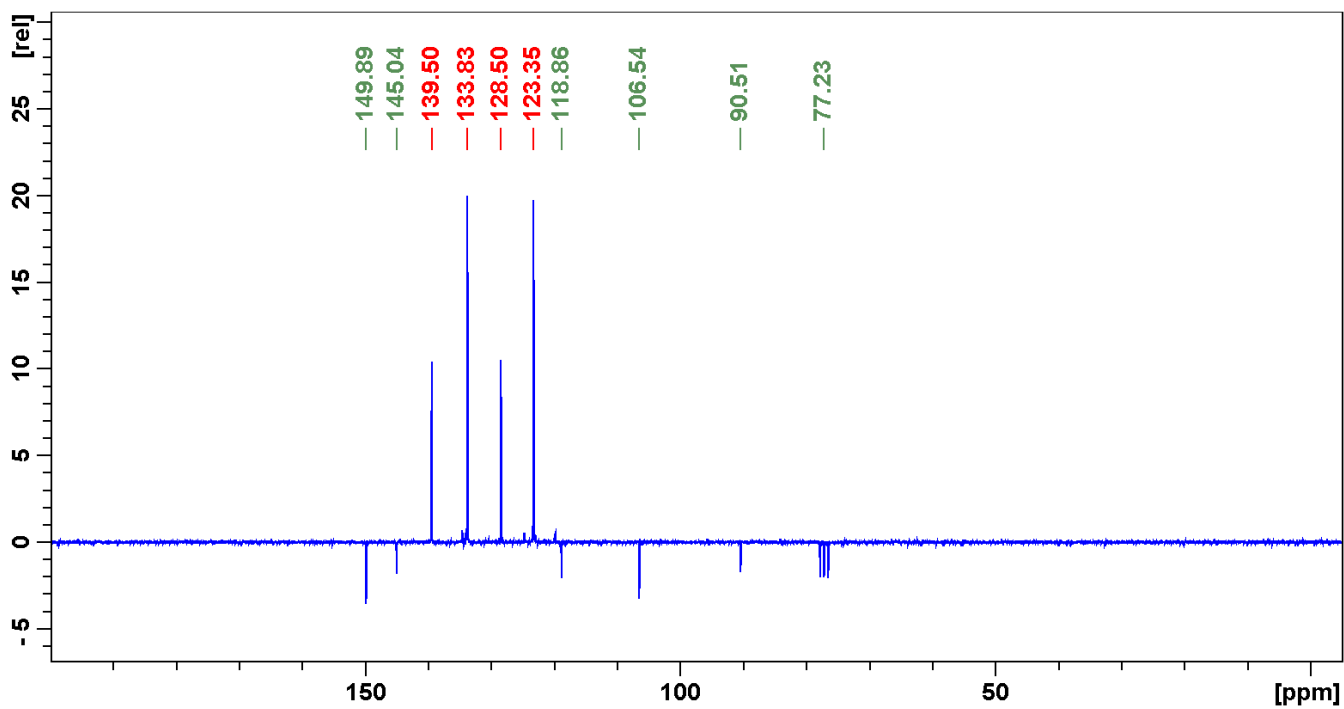


Figure S18. Carbon NMR spectrum of compound **6I**.

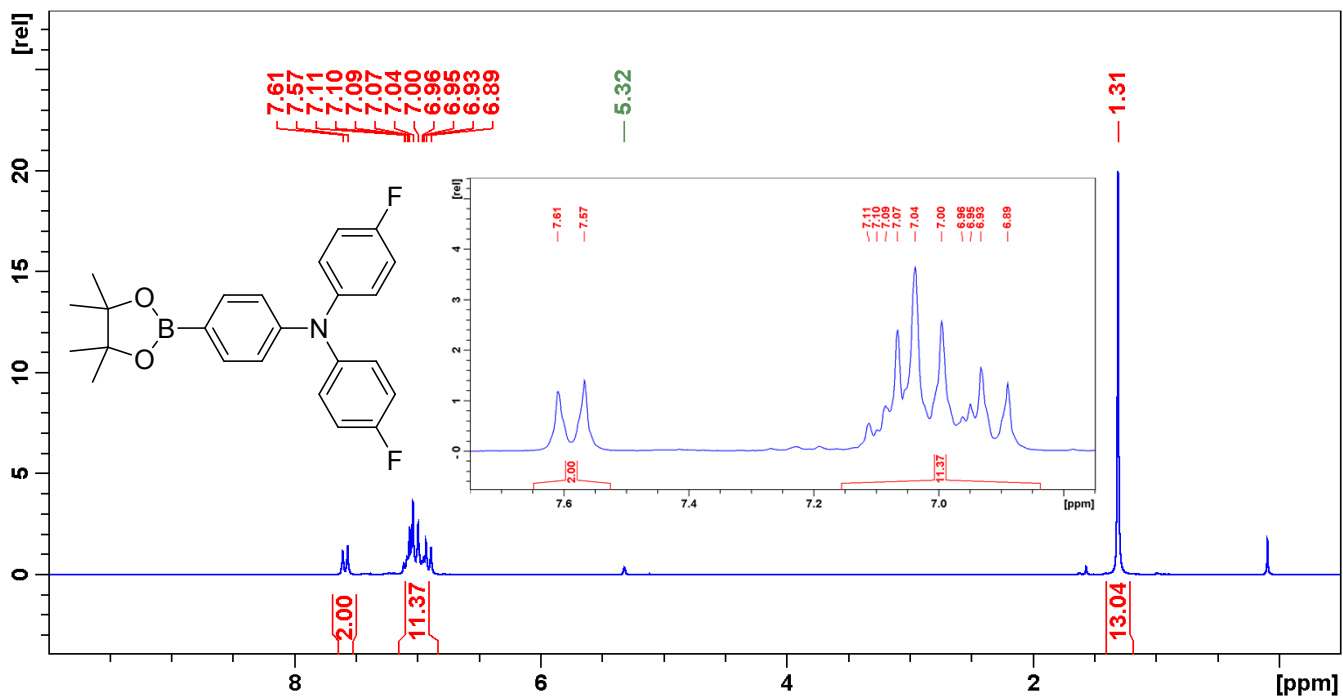


Figure S19. Proton NMR spectrum of compound **8c**.

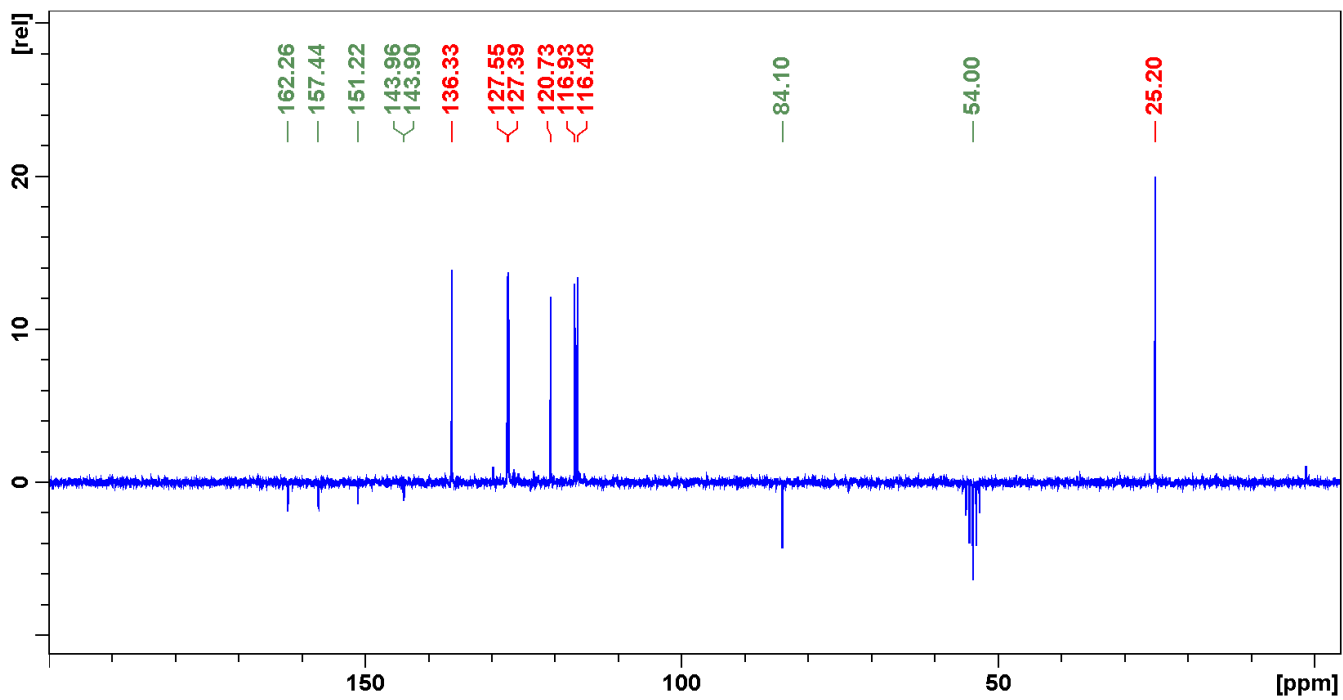


Figure S20. Carbon NMR spectrum of compound **8c**.

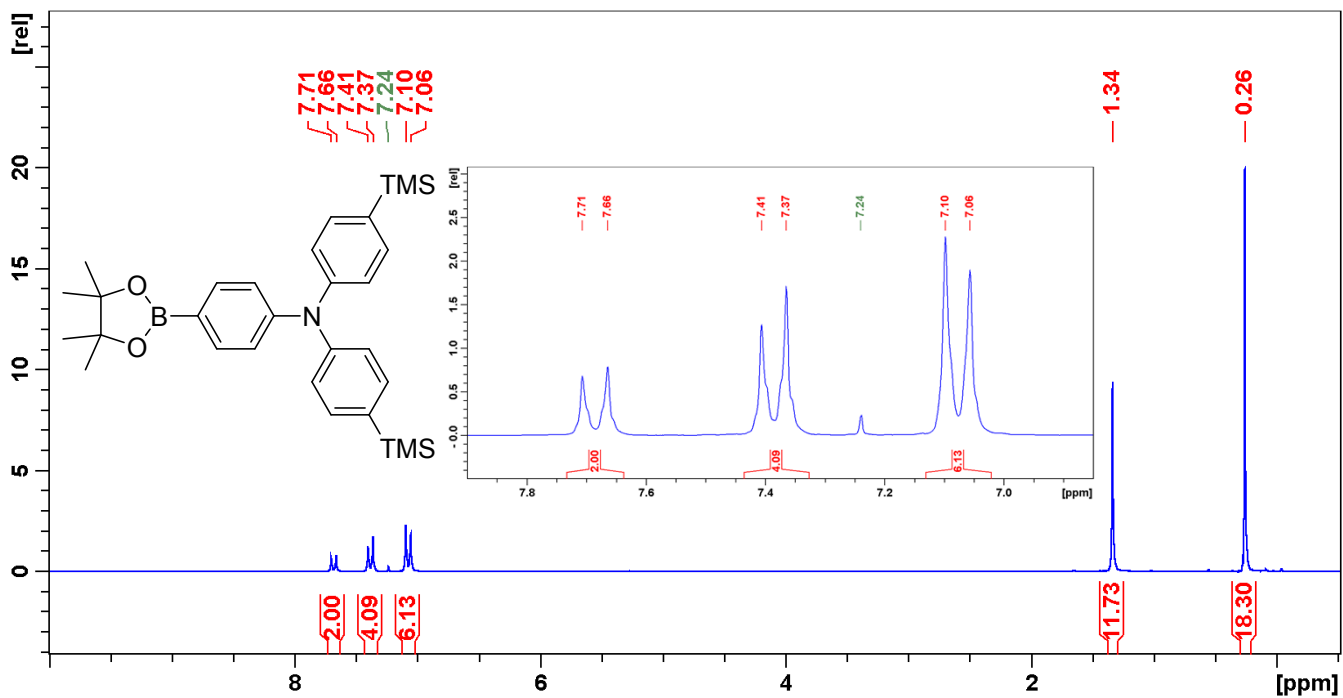


Figure S21. Proton NMR spectrum of compound **8e**.

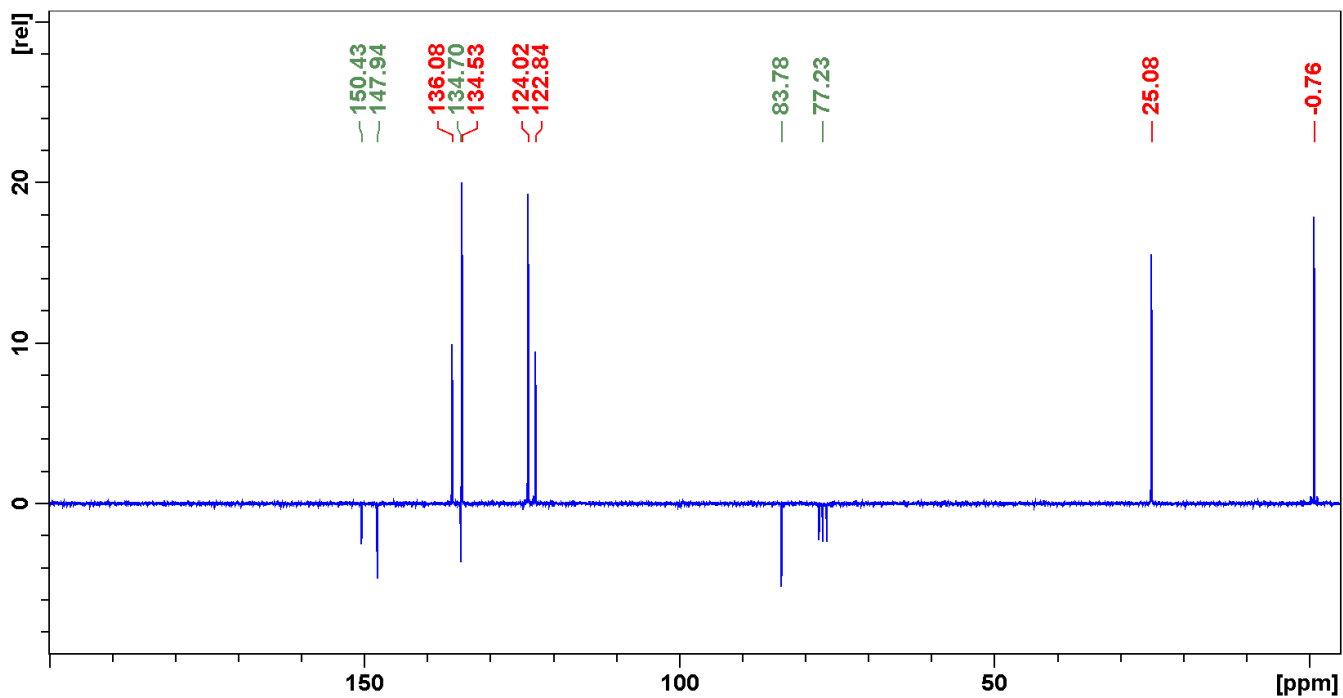


Figure S22. Carbon NMR spectrum of compound **8e**.

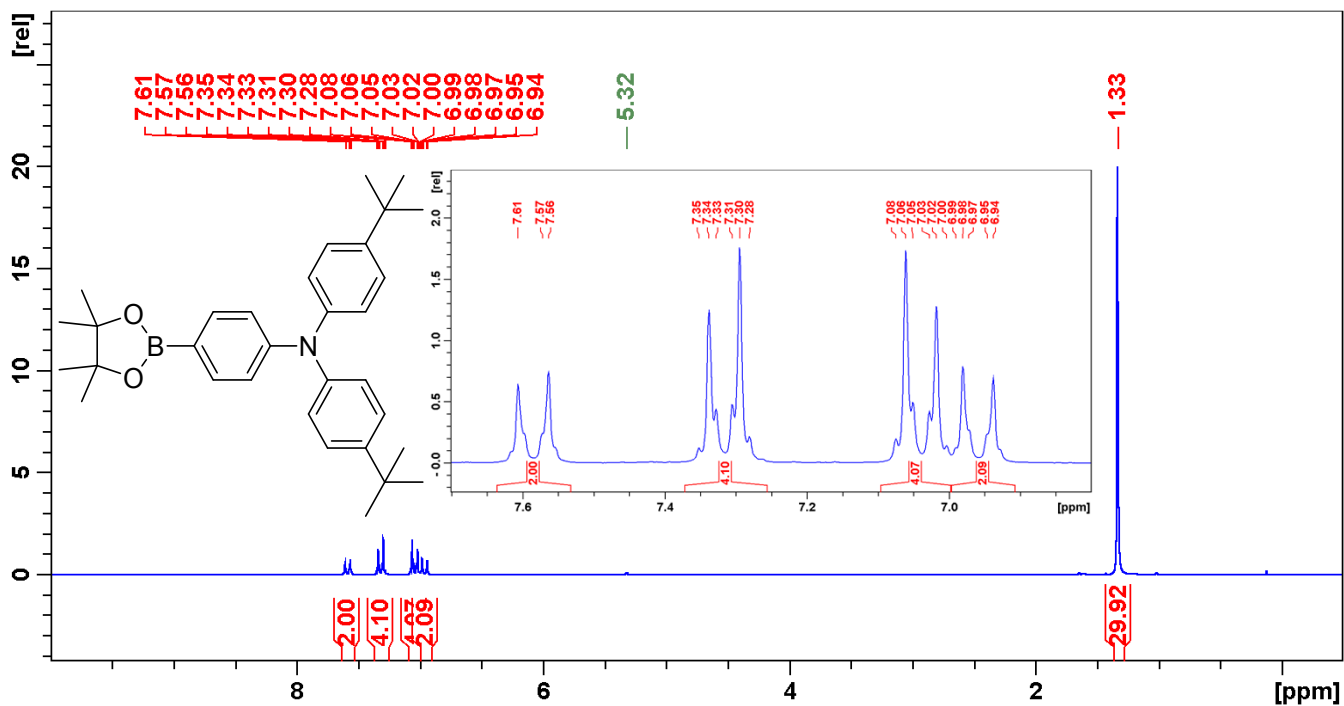


Figure S23. Proton NMR spectrum of compound **8f**.

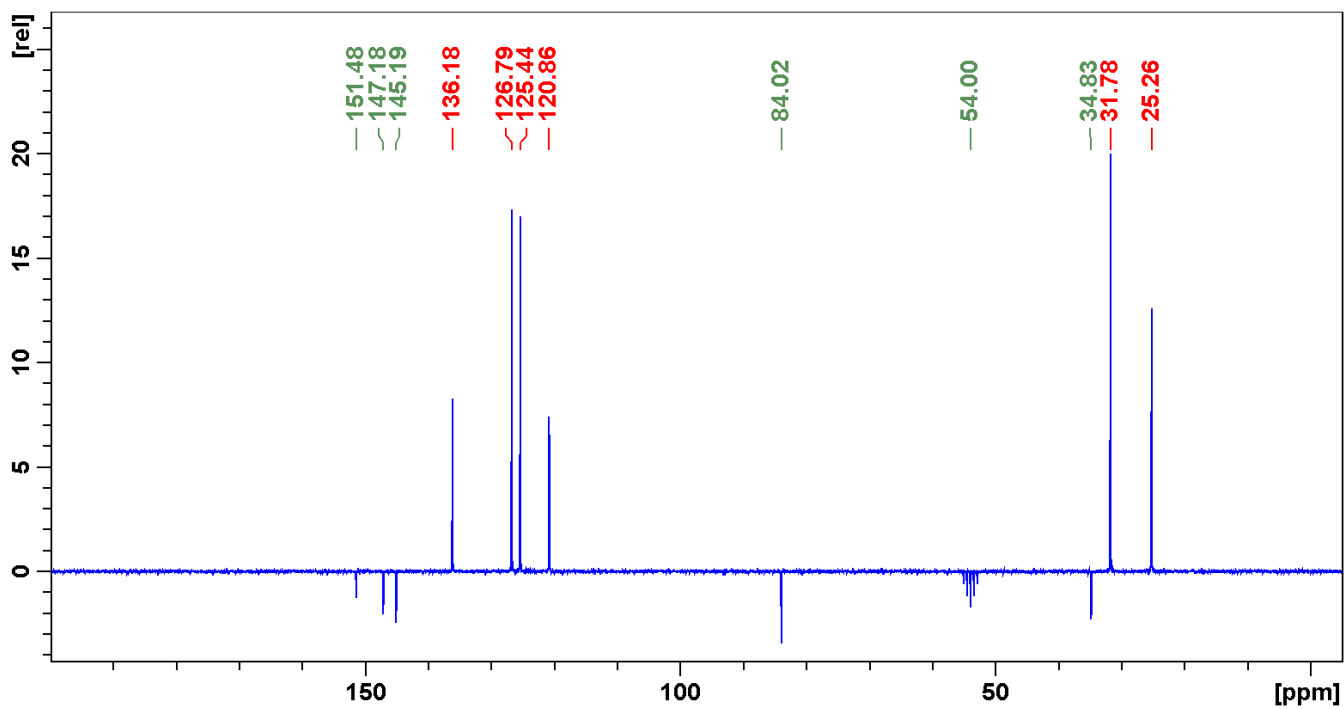


Figure S24. Carbon NMR spectrum of compound **8f**.

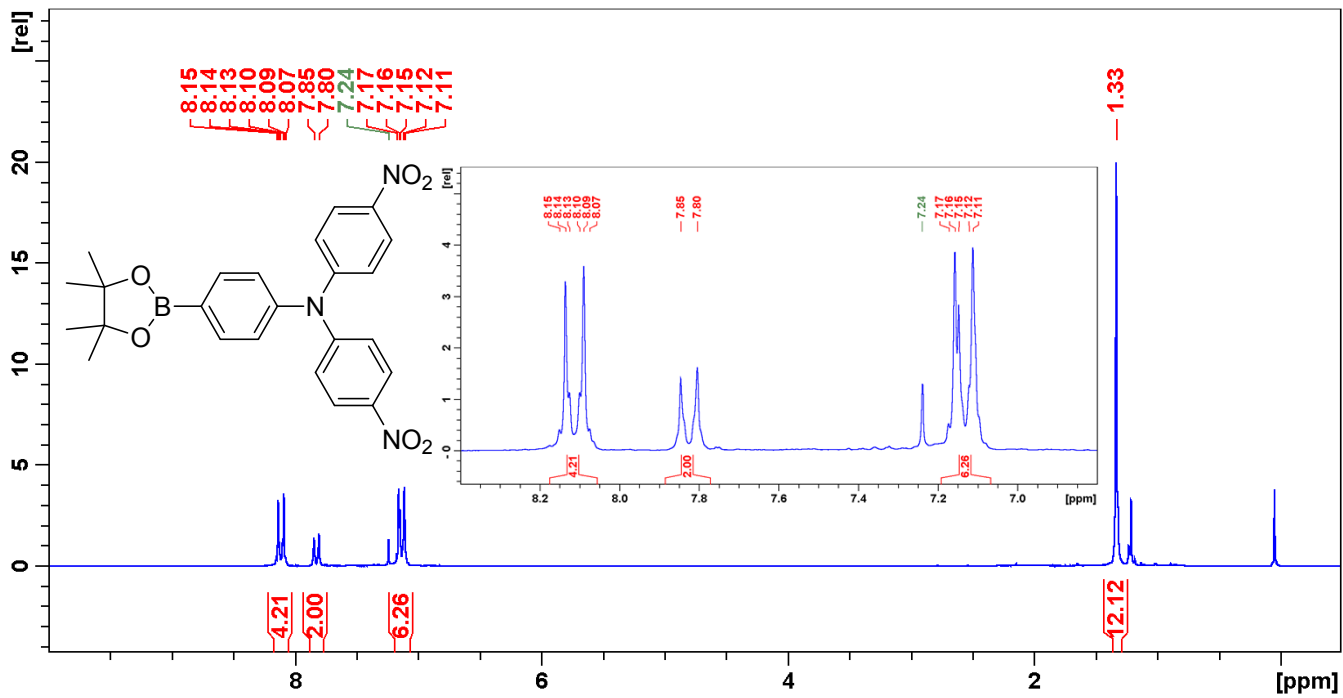


Figure S25. Proton NMR spectrum of compound **8g**.

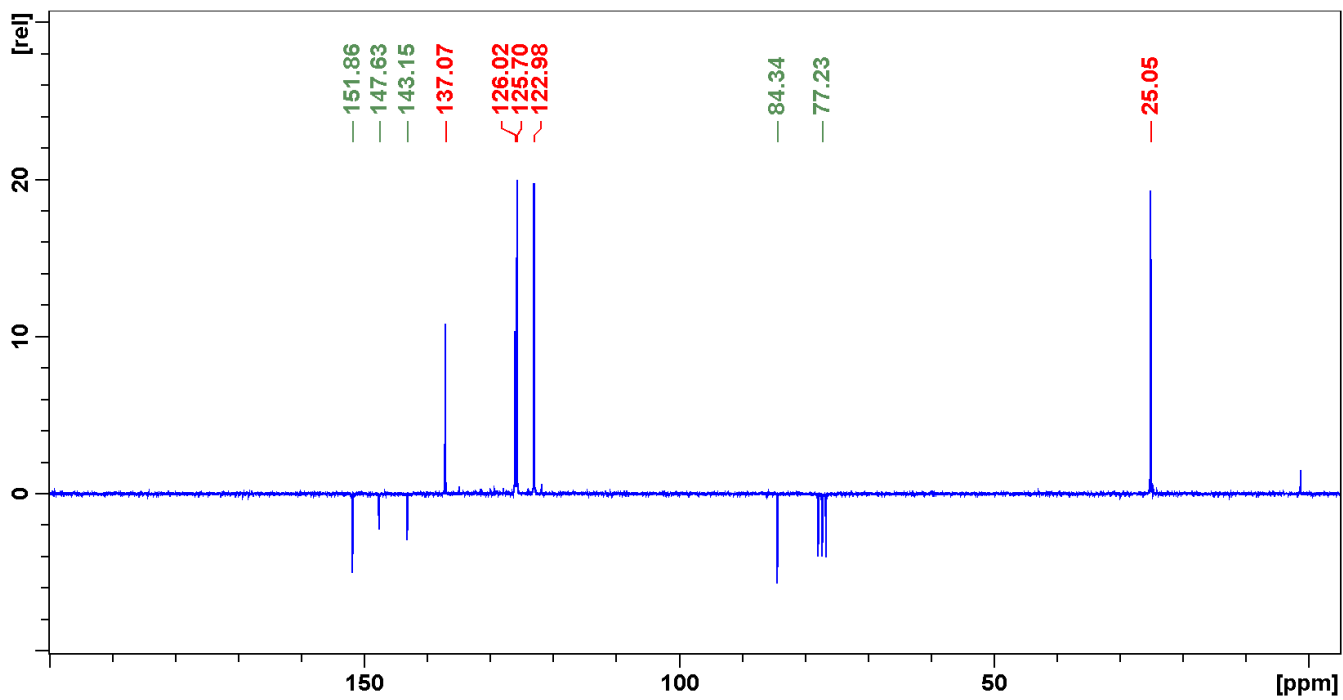


Figure S26. Carbon NMR spectrum of compound **8g**.

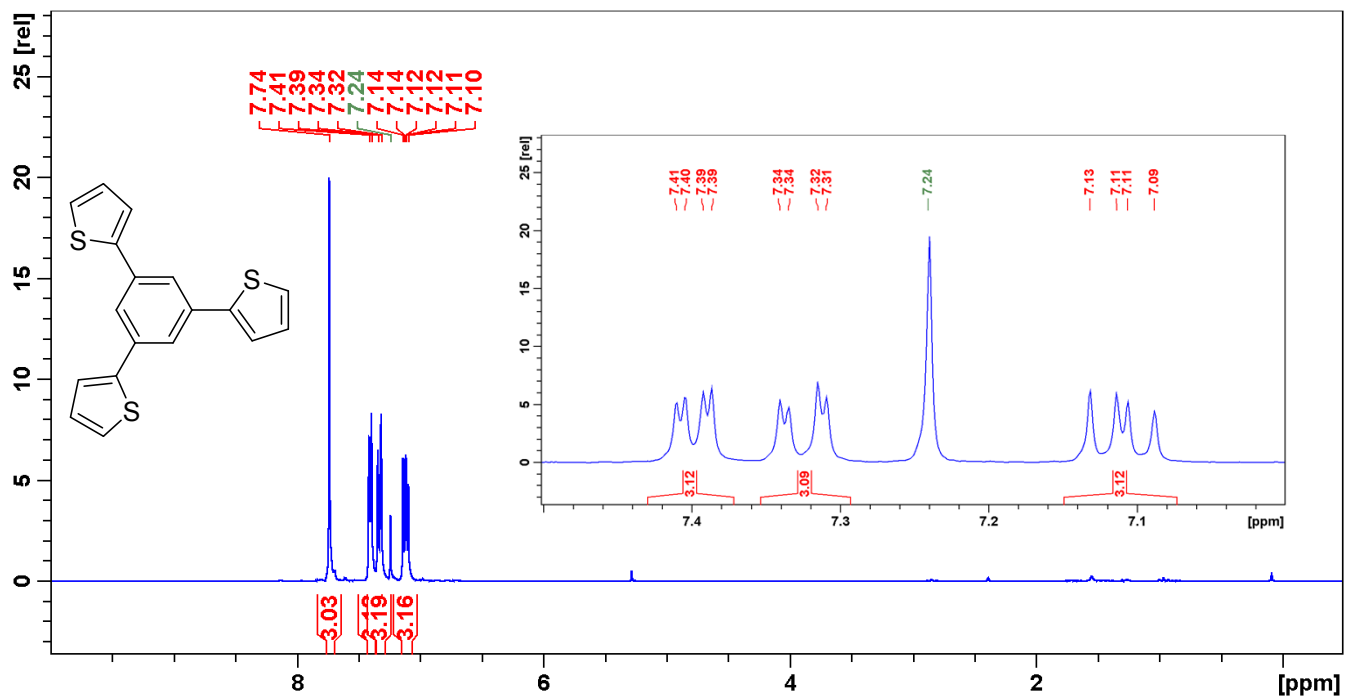


Figure S27. Proton NMR spectrum of compound 2.

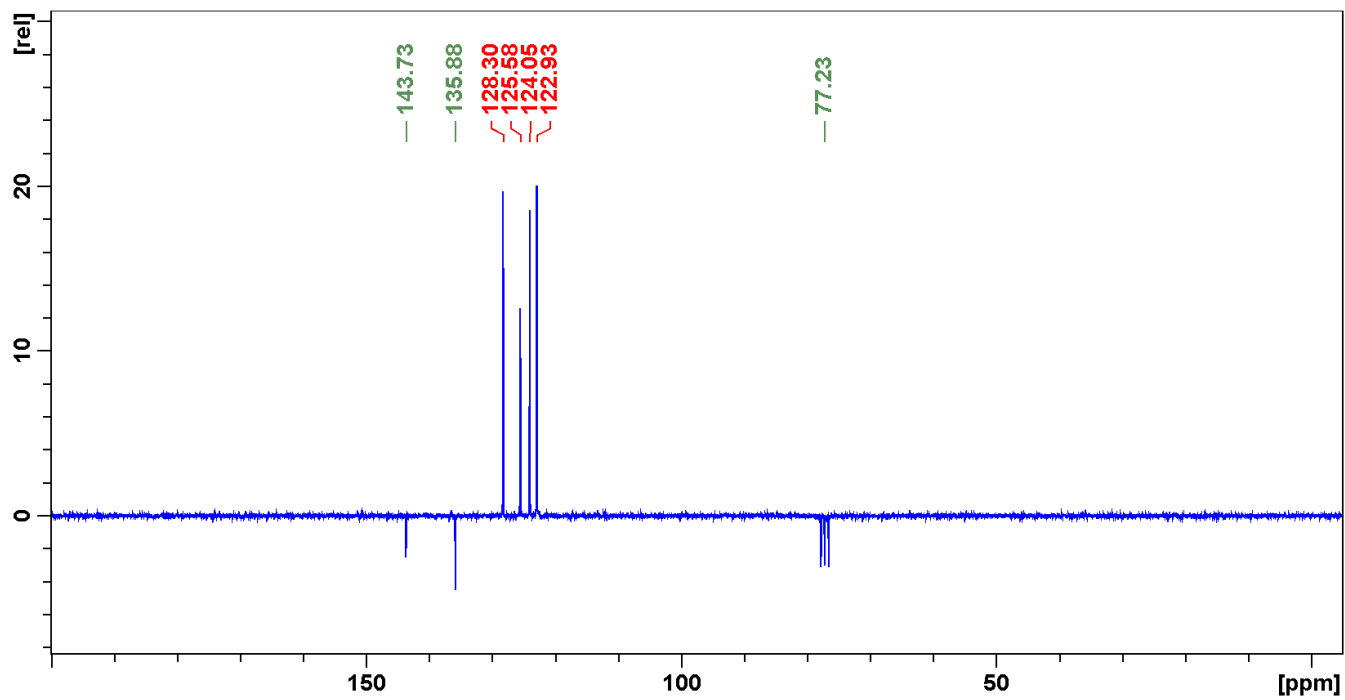


Figure S28. Carbon NMR spectrum of compound 2.

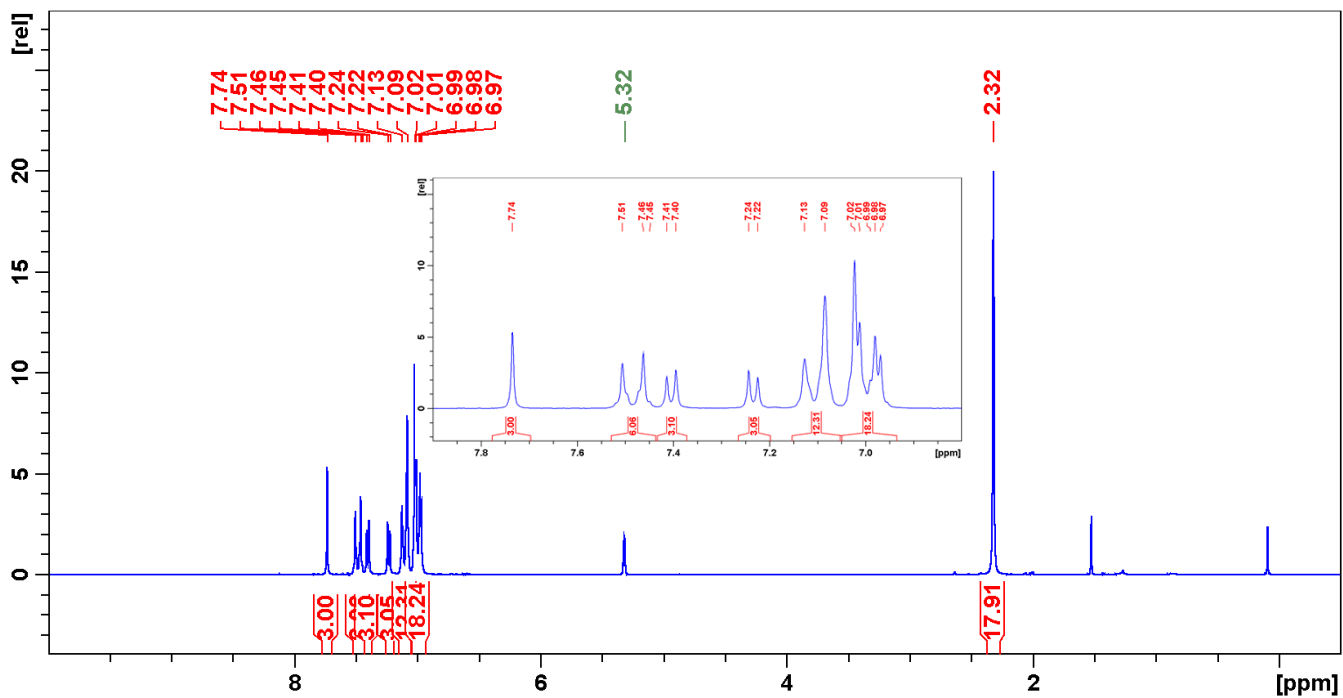


Figure S29. Proton NMR spectrum of compound S2.

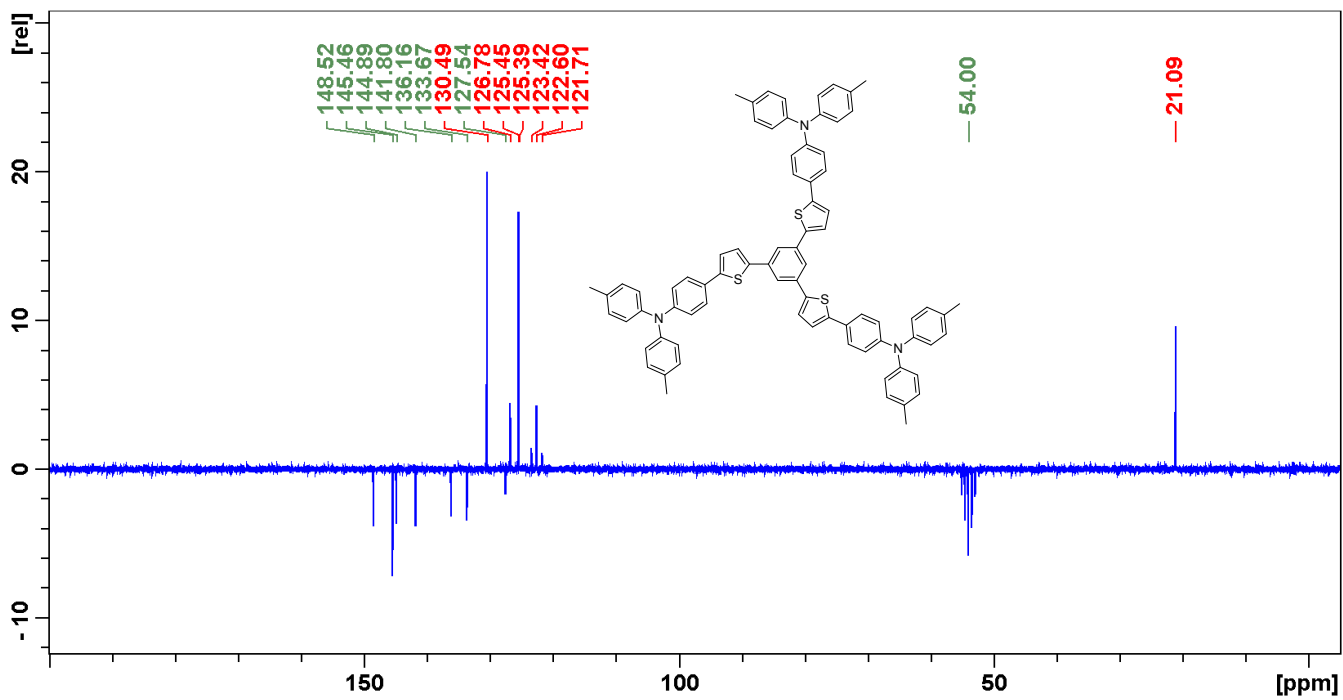


Figure S30. Carbon NMR spectrum of compound S2.

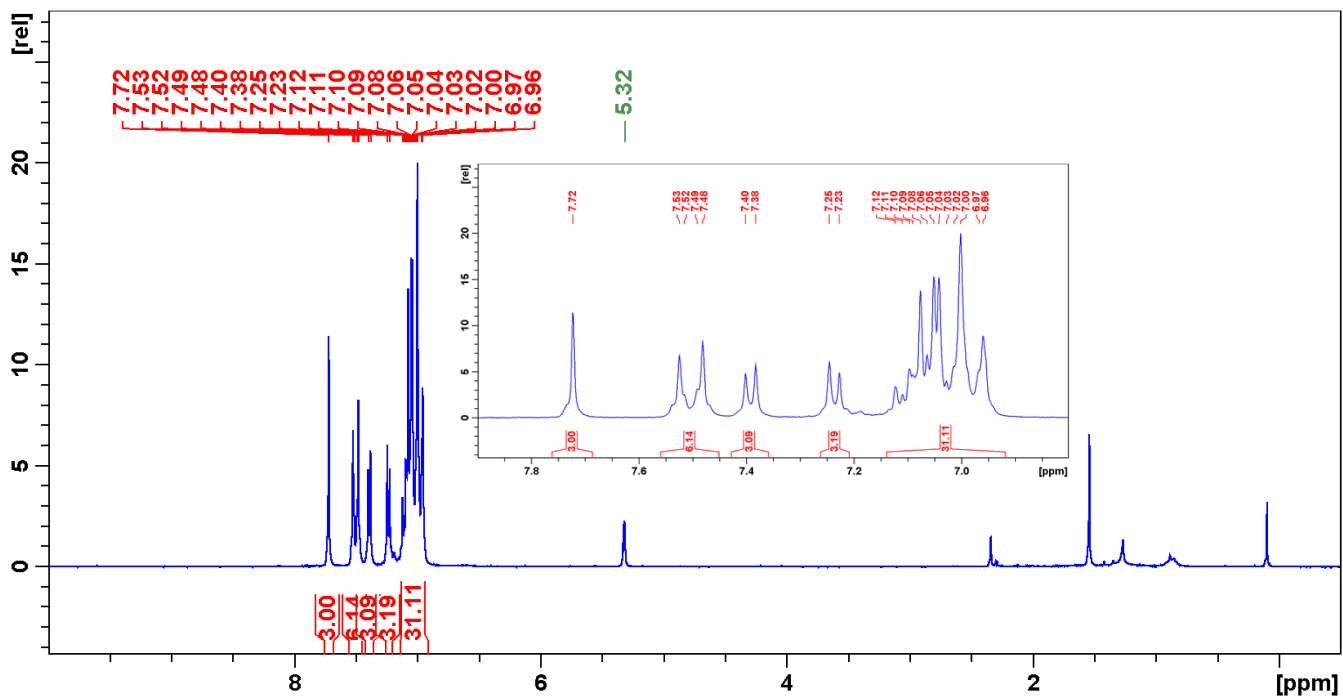


Figure S31. Proton NMR spectrum of compound S3.

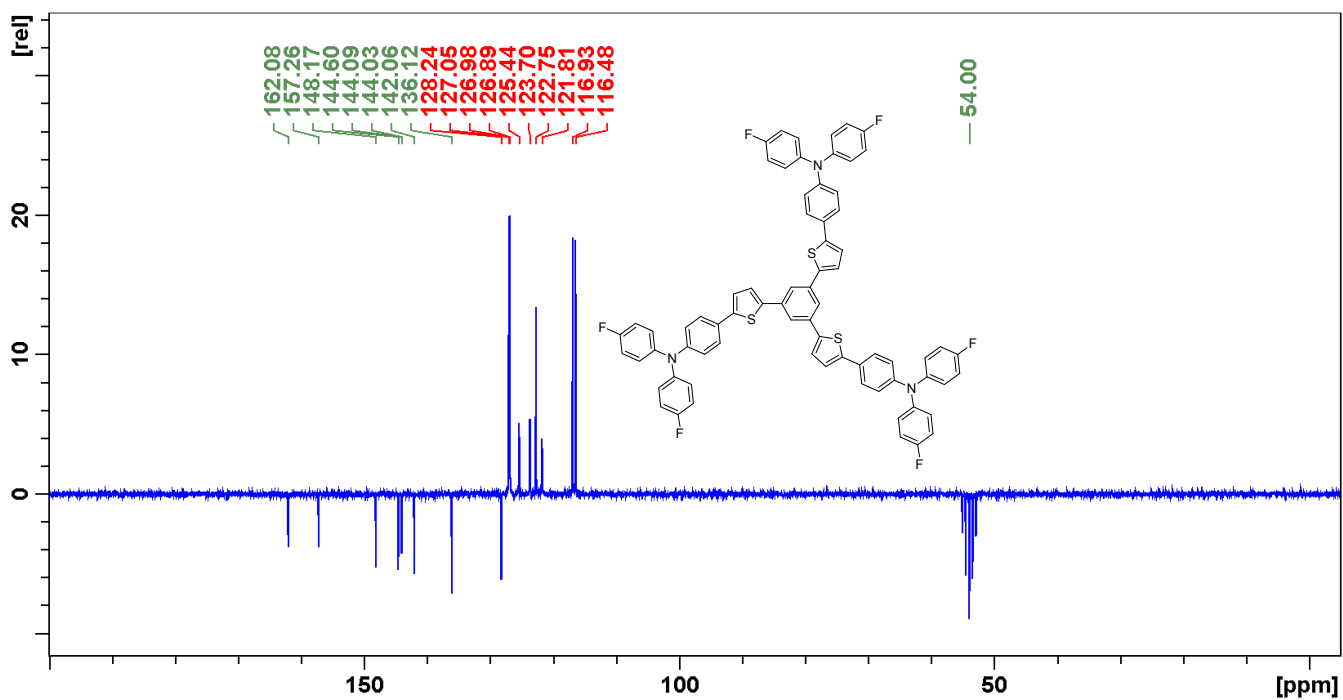


Figure S32. Carbon NMR spectrum of compound S3.

B) Absorption and Emission Spectra

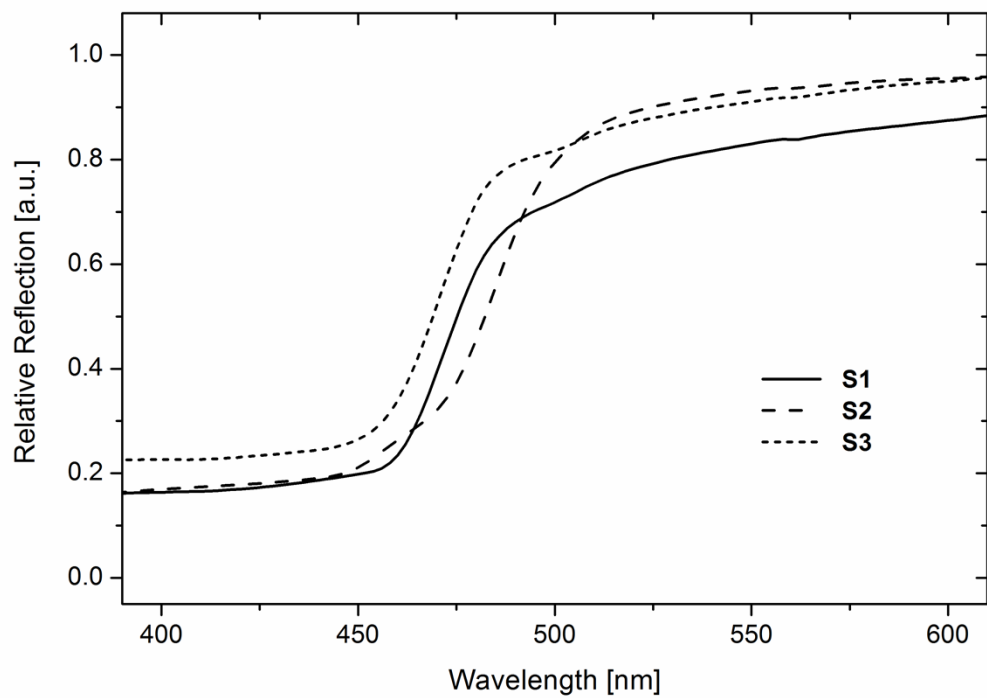


Figure S33. Absorption Spectra of Solid Samples

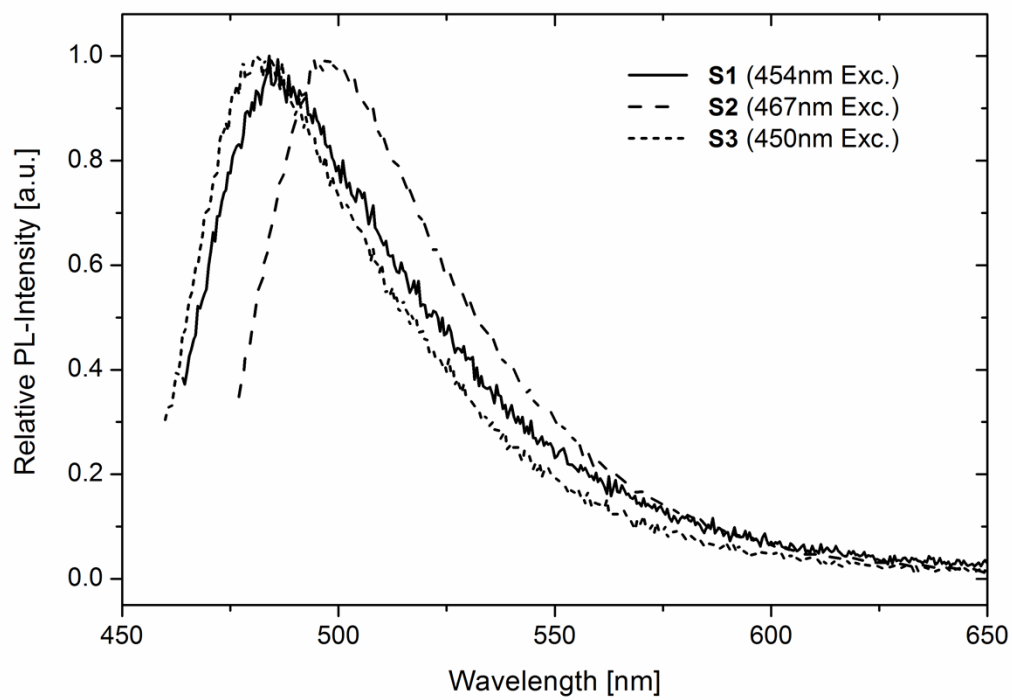


Figure S34. Emission Spectra of Solid Samples

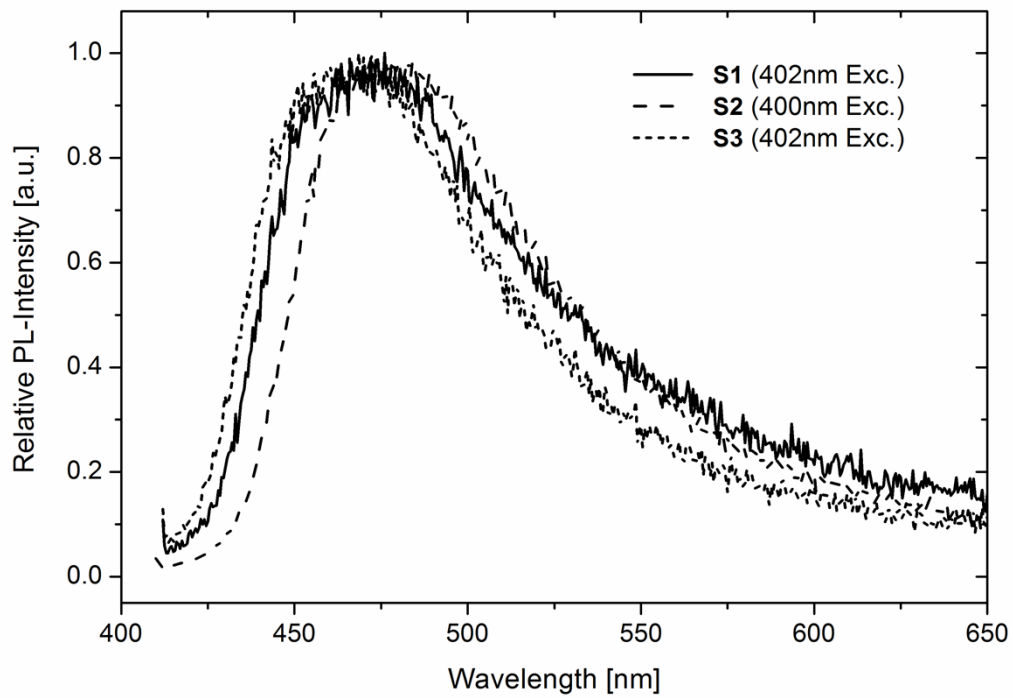


Figure S35. Emission Spectra of Film Samples

C) HOMO/LUMO plots of S1-3

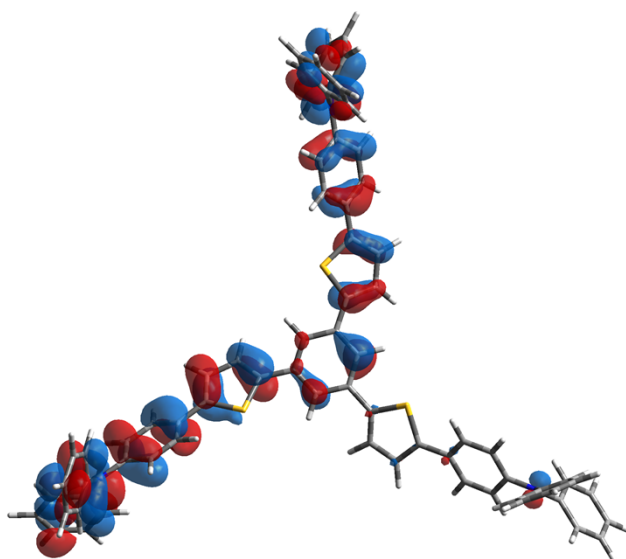
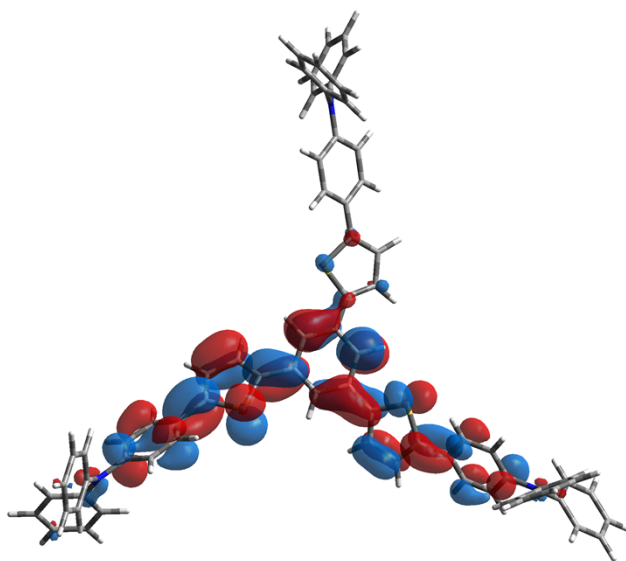


Figure S36. HOMO (bottom) and LUMO (top) of S1

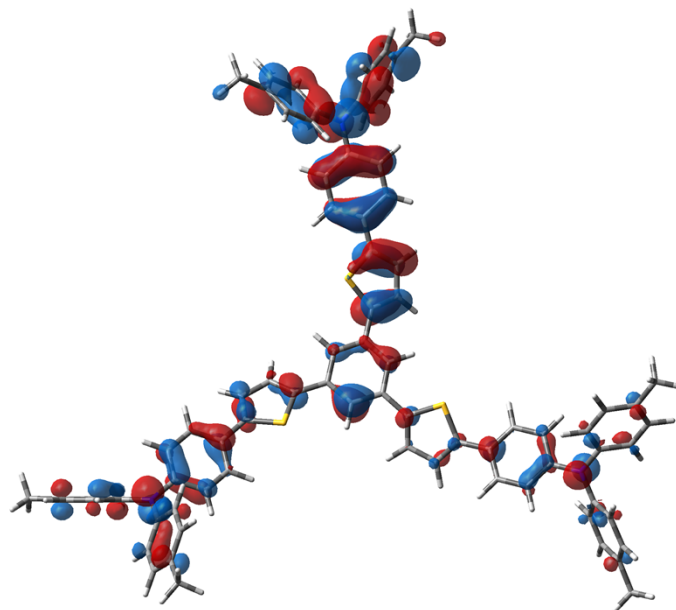
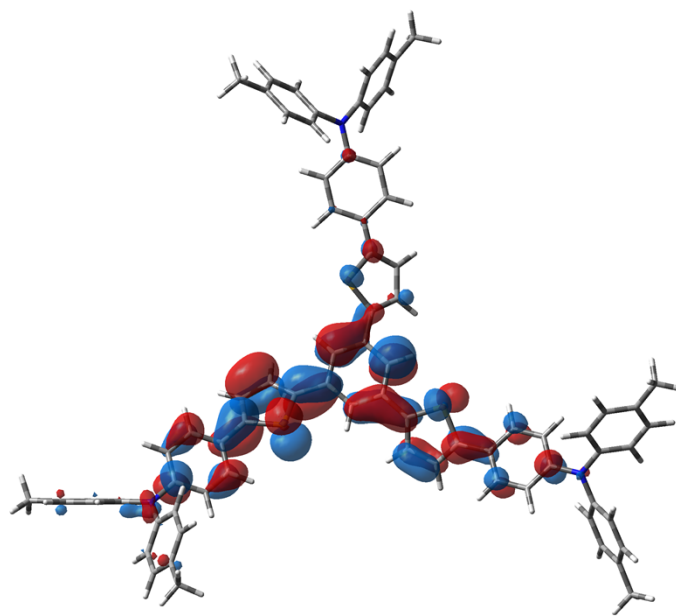


Figure S37. HOMO (bottom) and LUMO (top) of S2

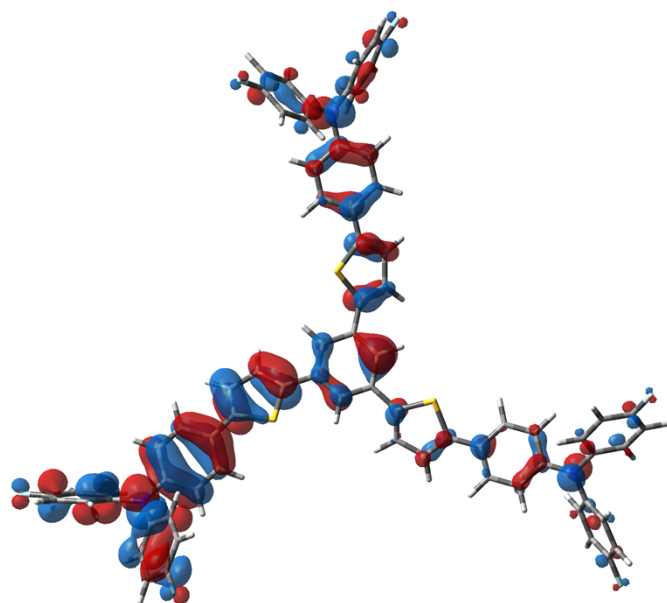
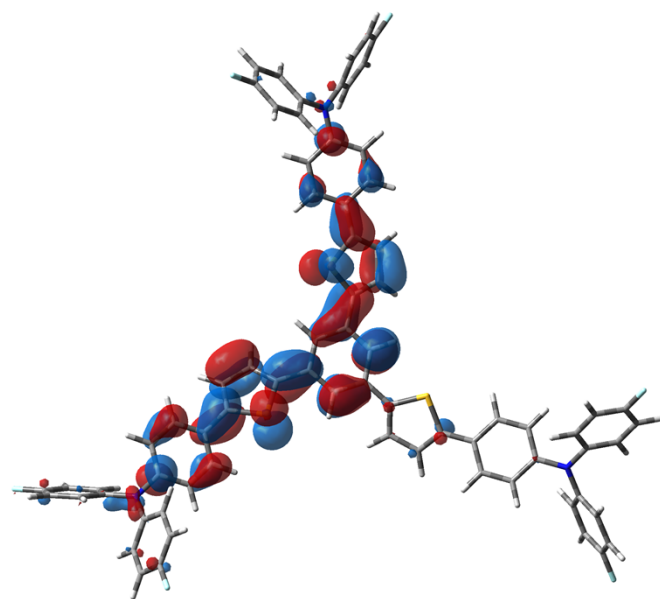


Figure S36. HOMO (bottom) and LUMO (top) of S3