

# Supplementary Materials: Highly Efficient and Reusable Palladium(II)/Cationic 2,2'-Bipyridyl-Catalyzed Stille Coupling in Water

Wei-Yi Wu, Ling-Jun Liu, Fen-Ping Chang, Yu-Lun Cheng and Fu-Yu Tsai

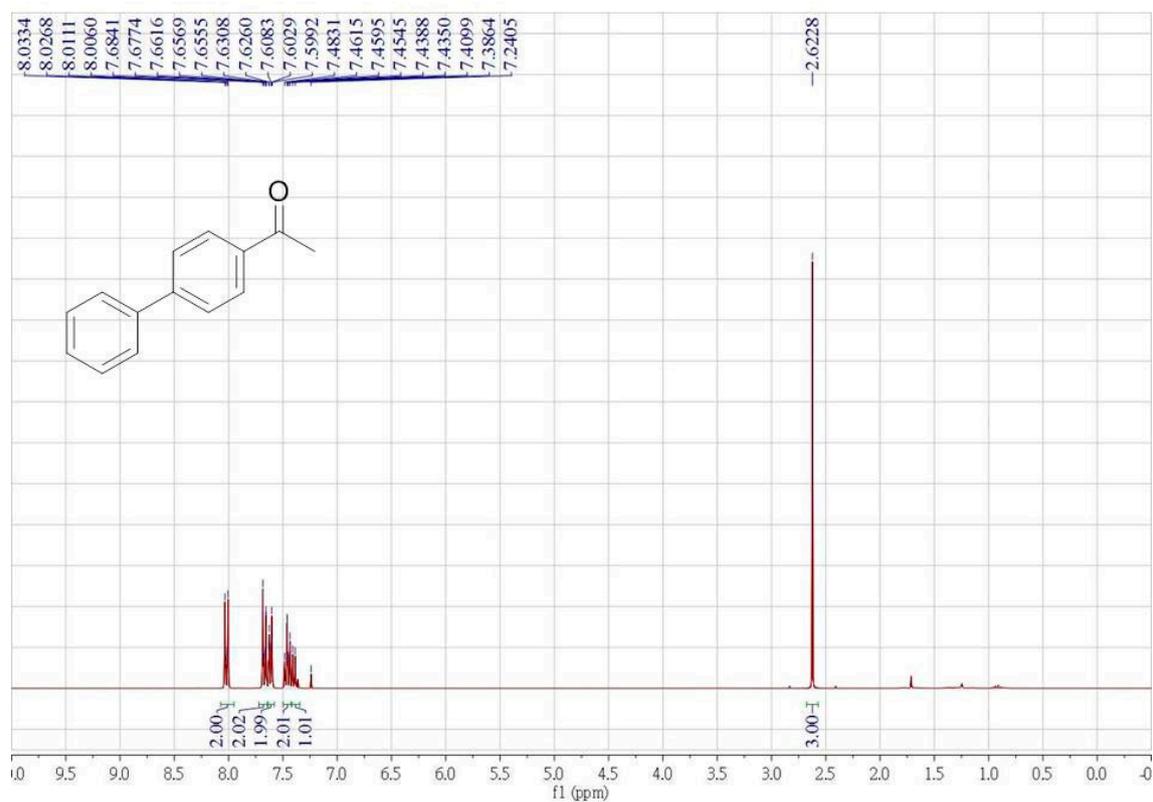
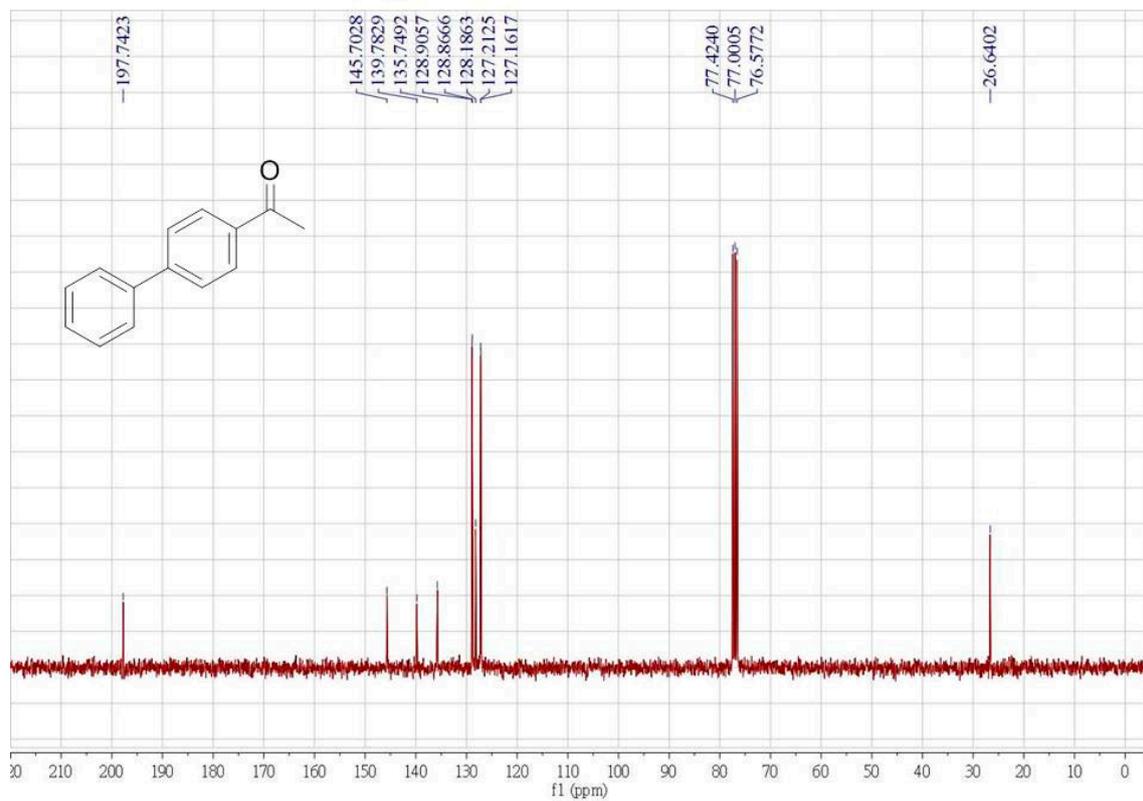
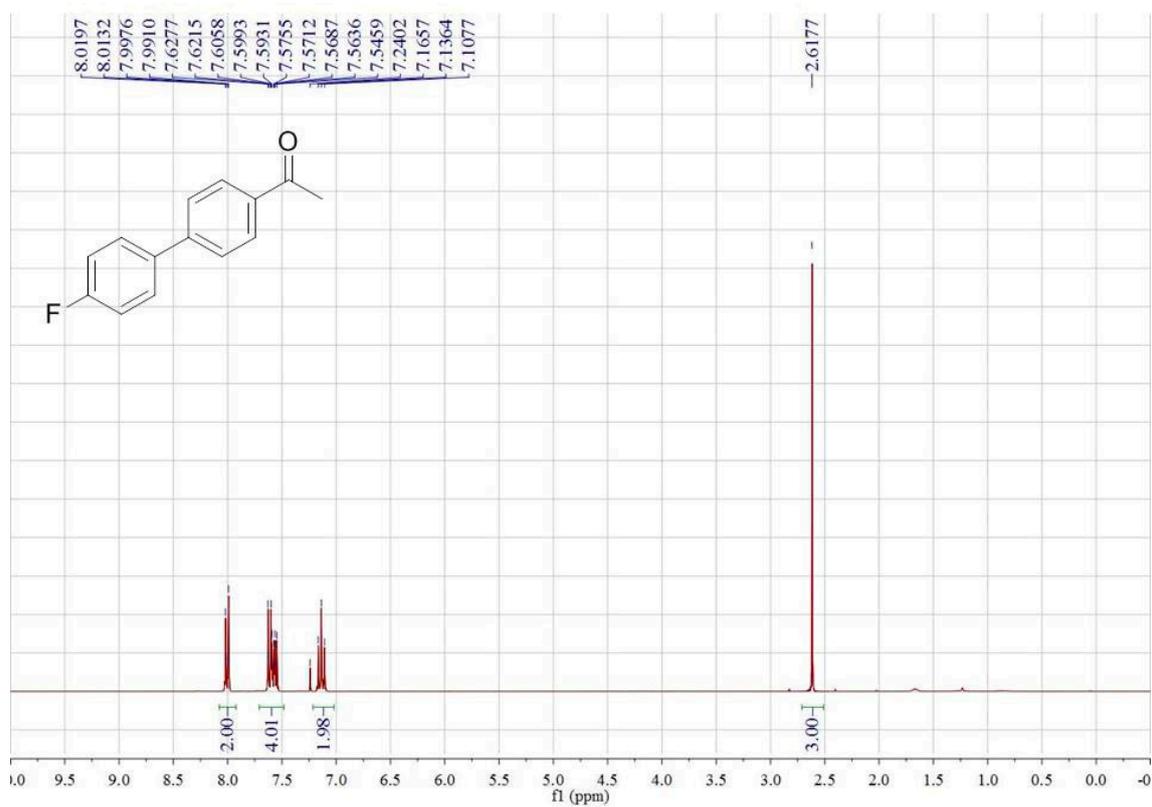
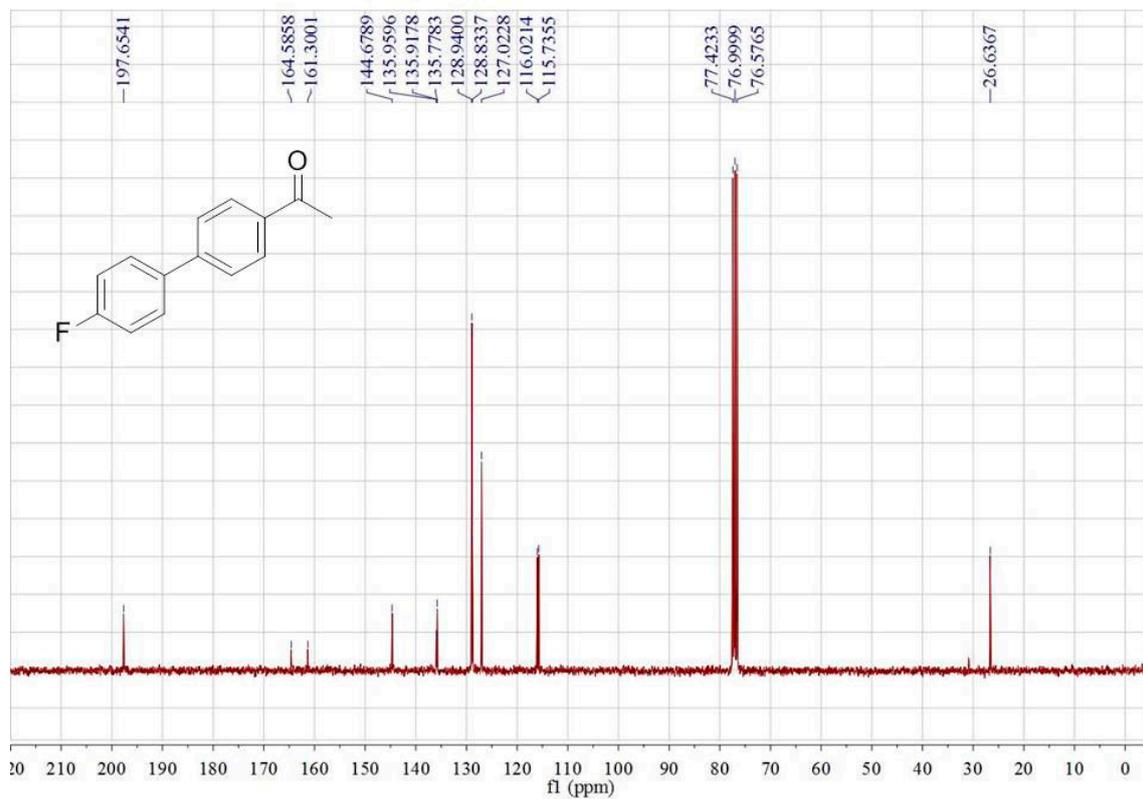
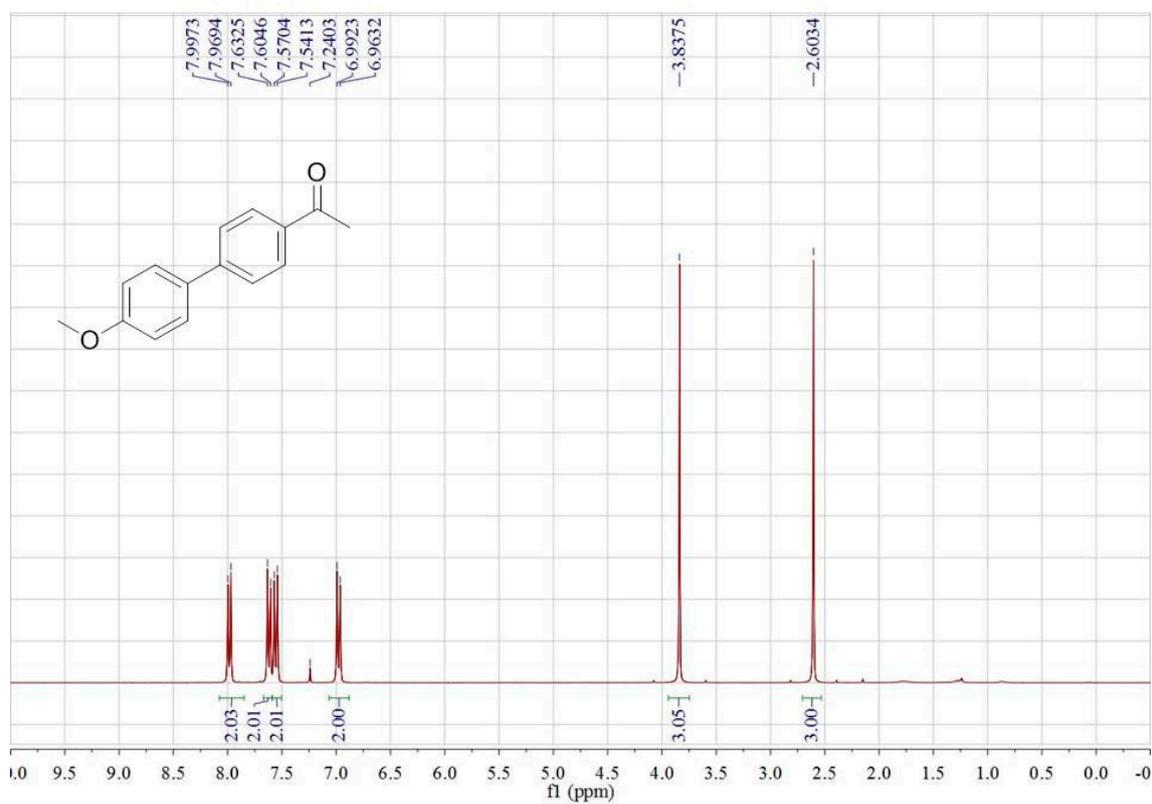
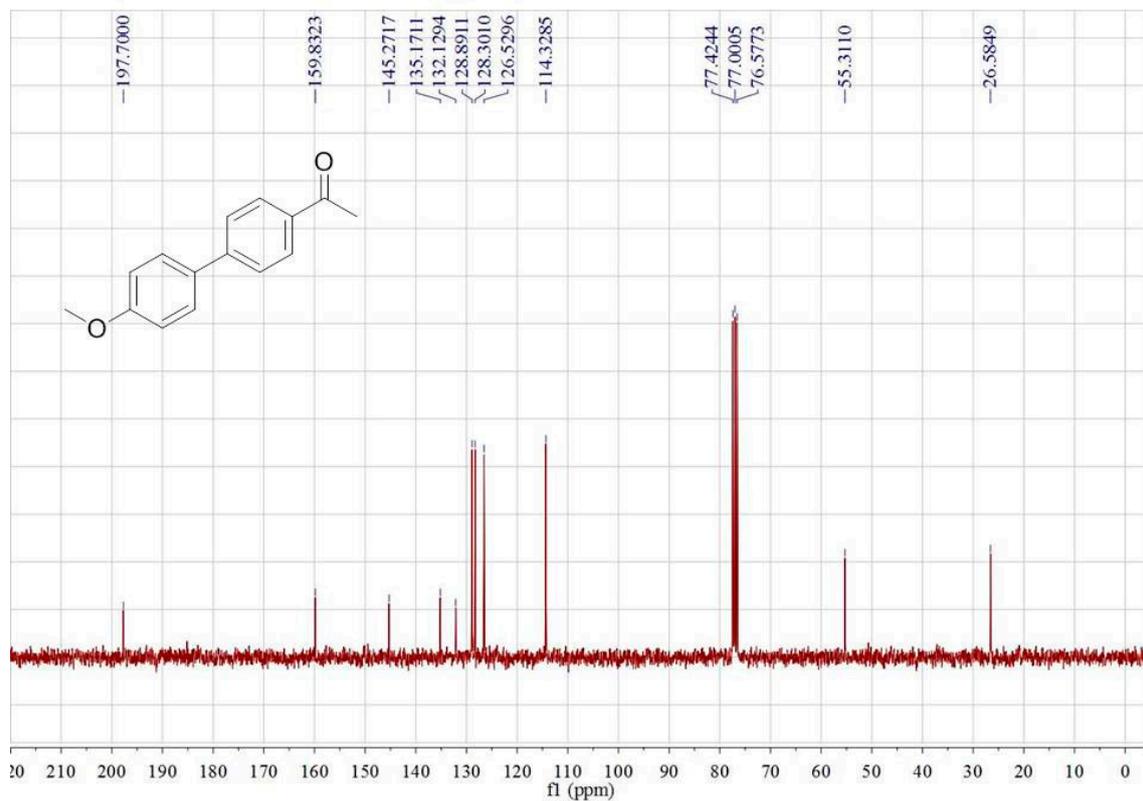
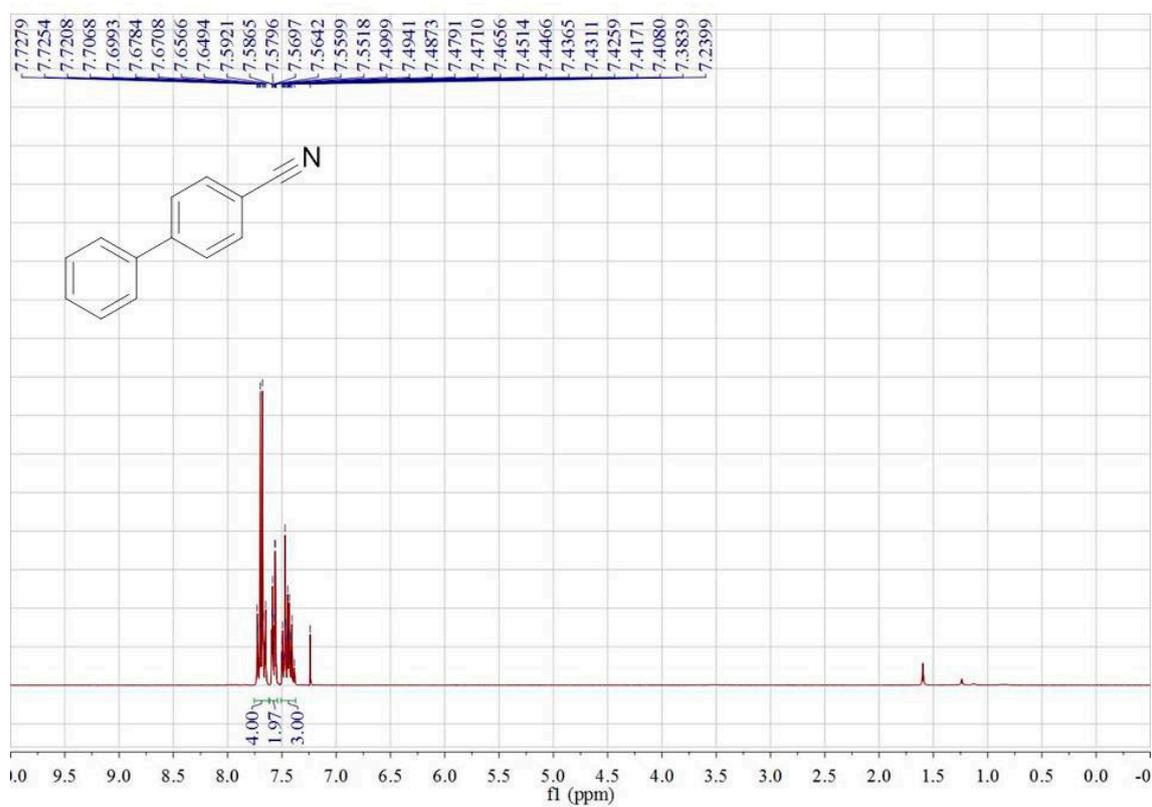
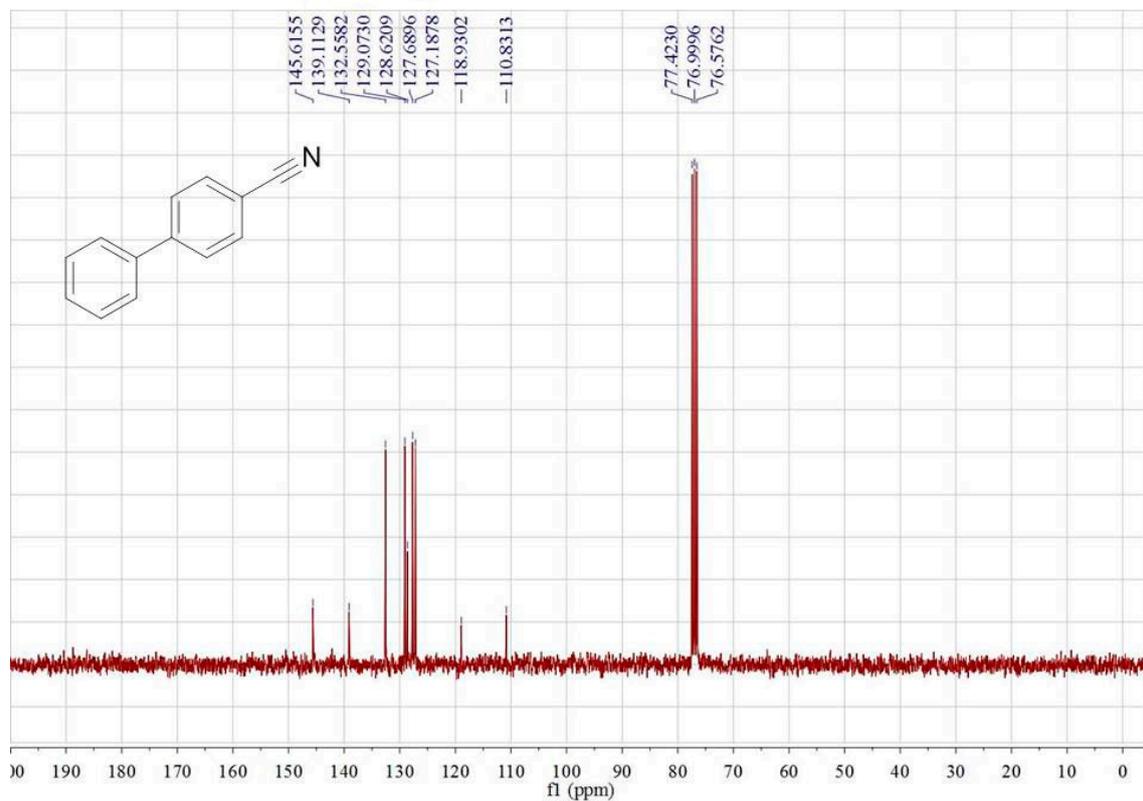
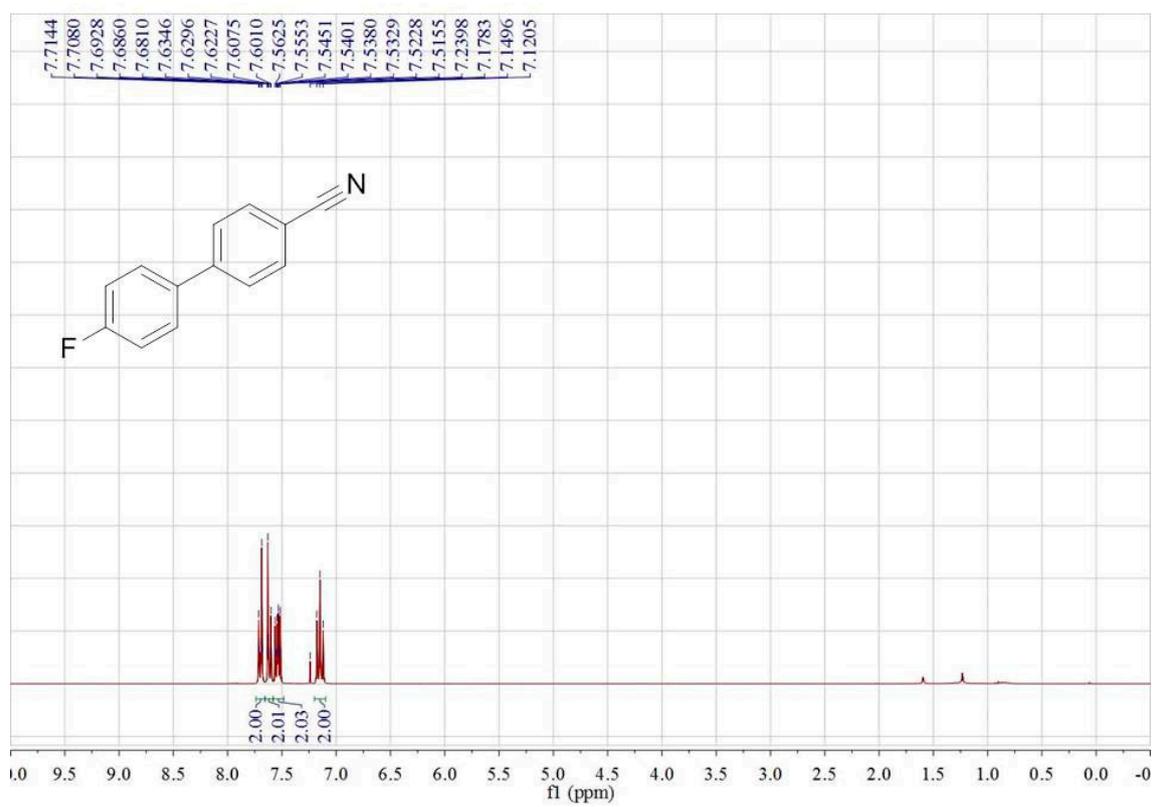


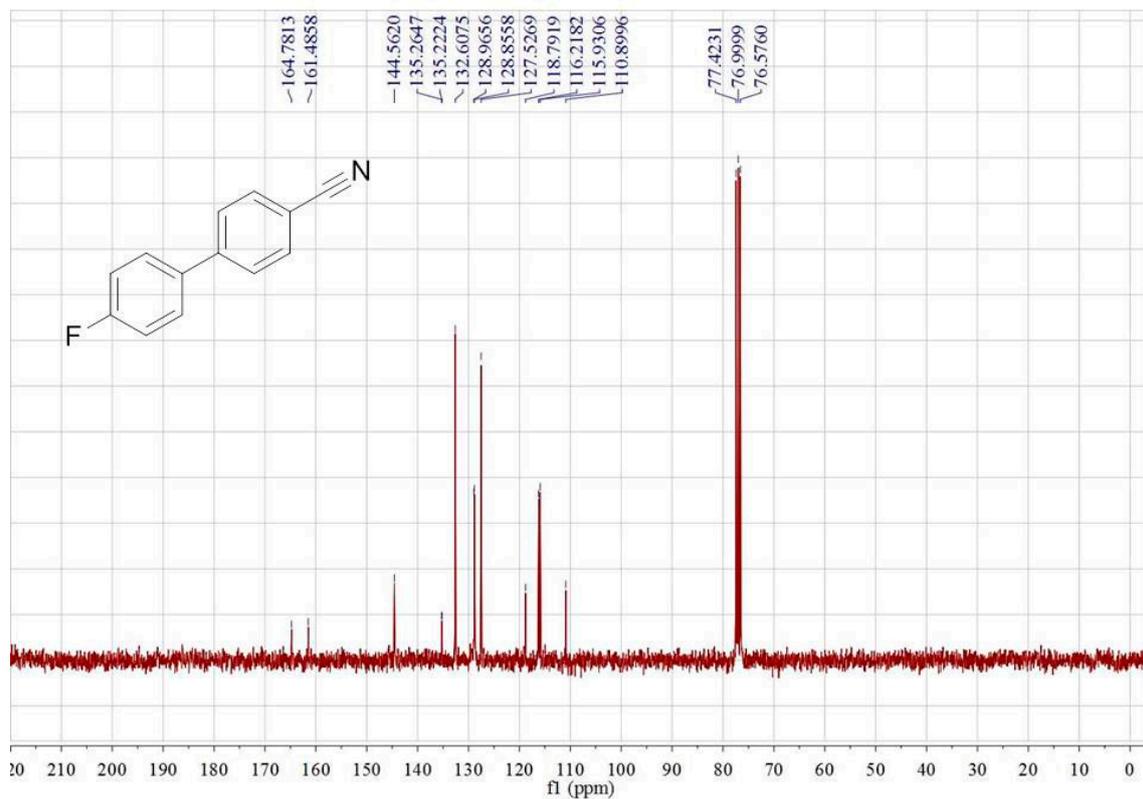
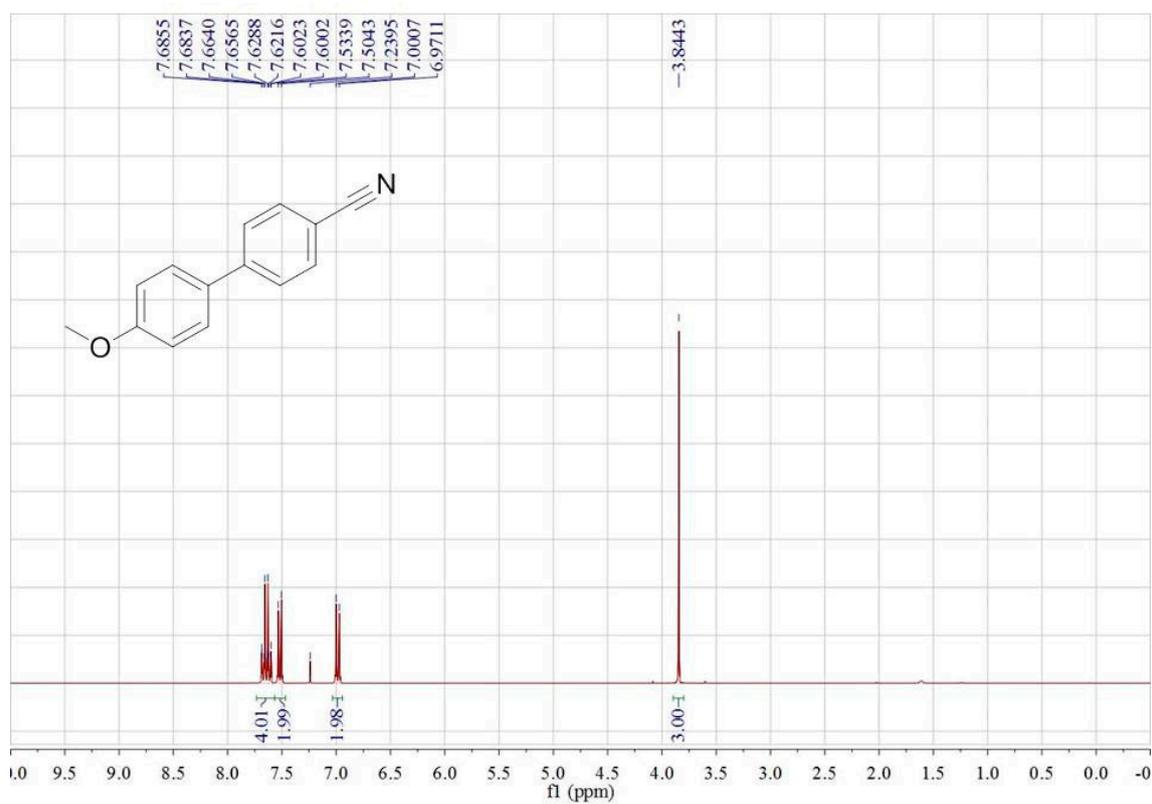
Figure S1. <sup>1</sup>H-NMR spectrum of compound 3aa.

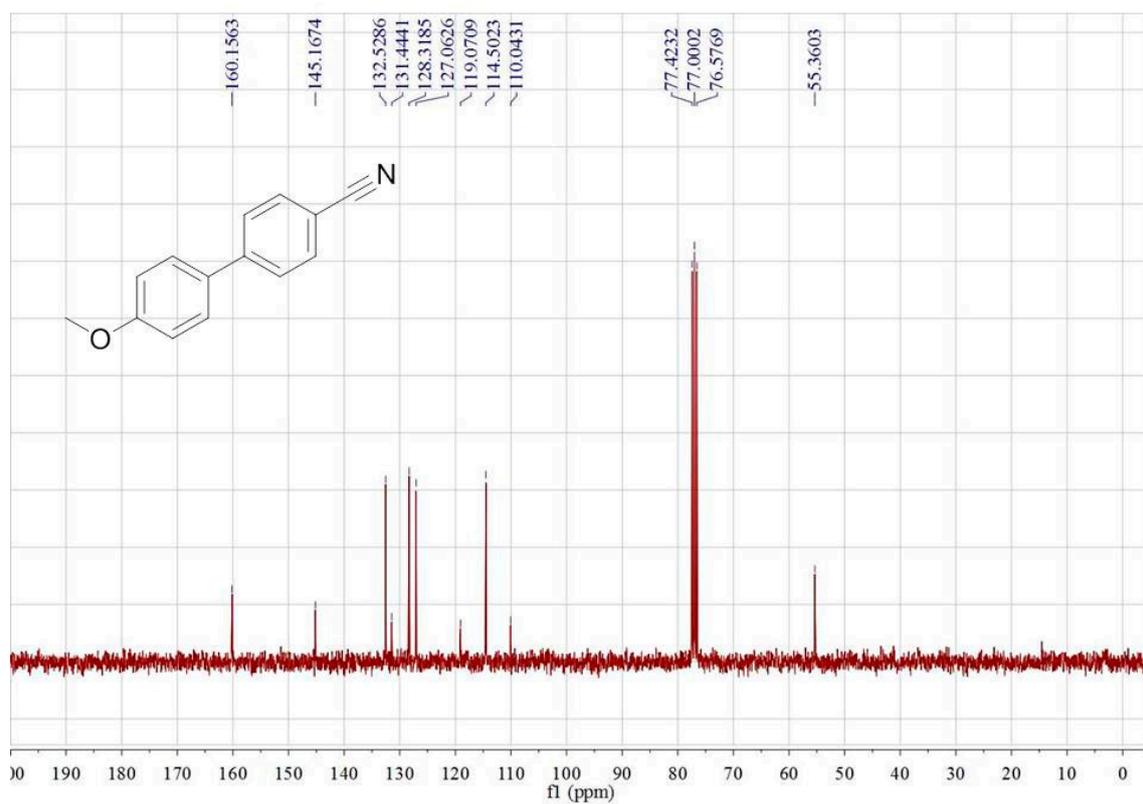
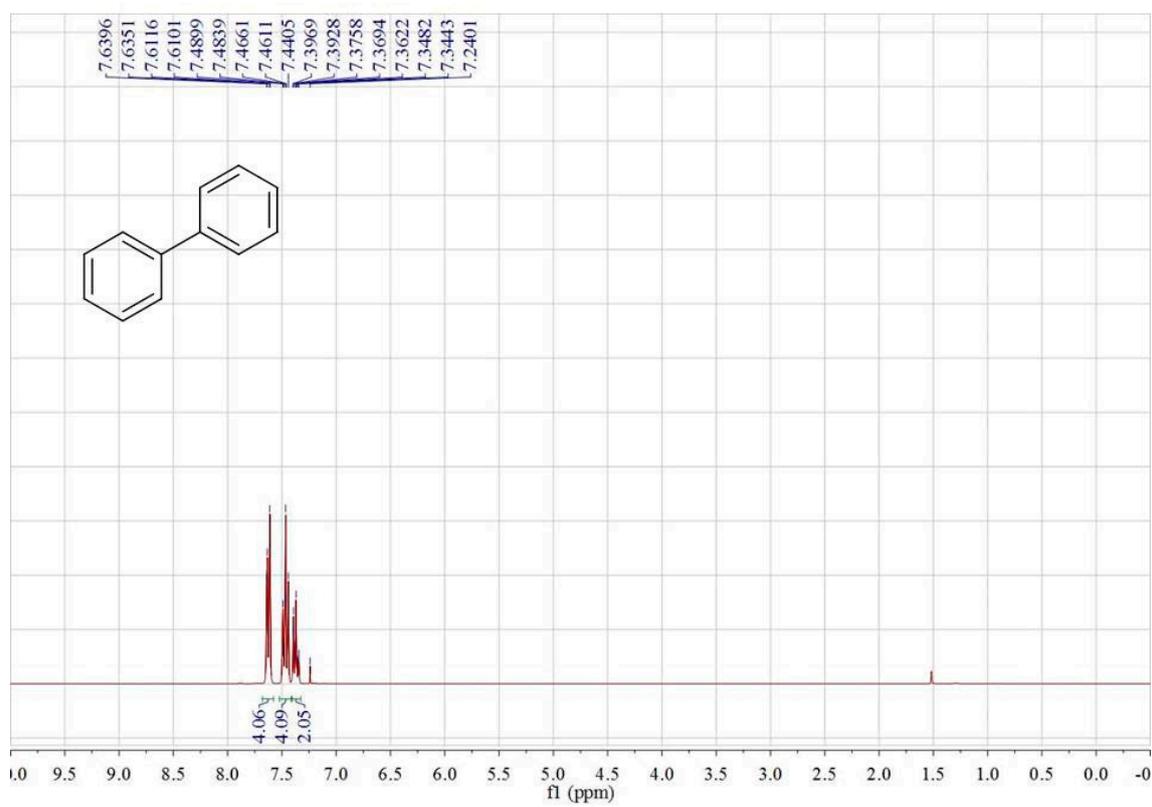
Figure S2. <sup>13</sup>C-NMR of compound 3aa.Figure S3. <sup>1</sup>H-NMR spectrum of compound 3ab.

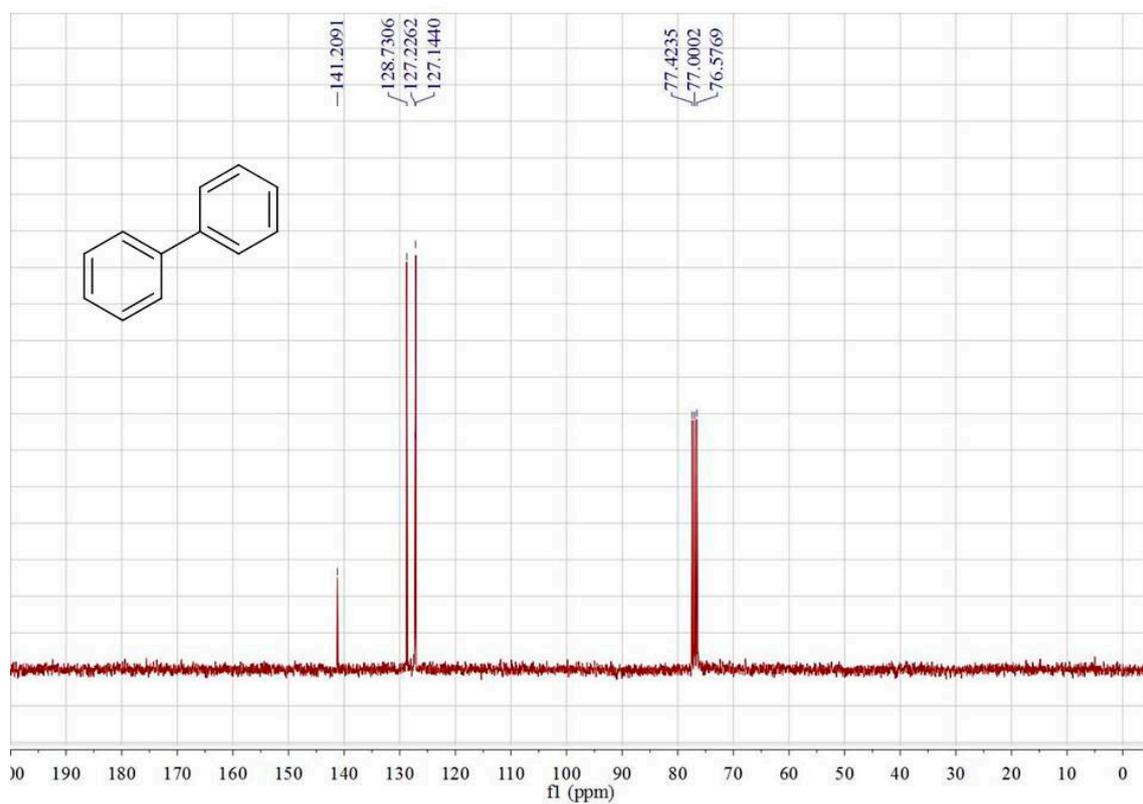
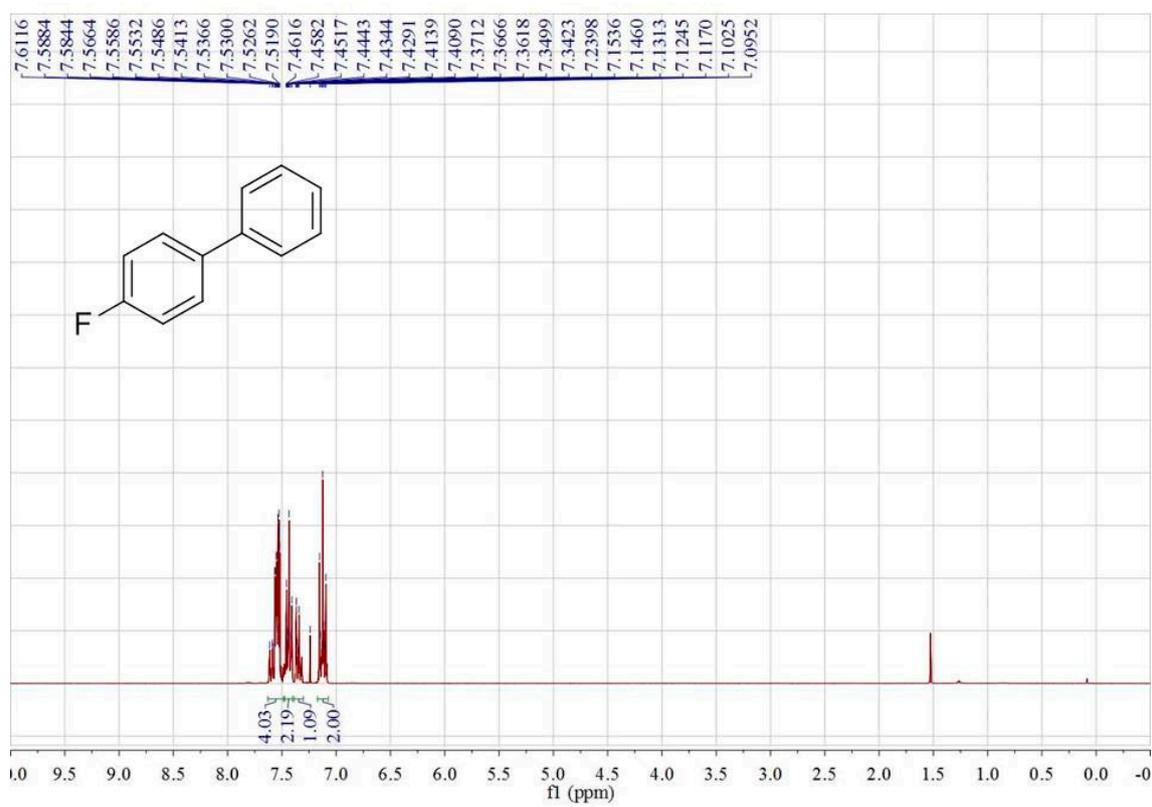
Figure S4. <sup>13</sup>C-NMR of compound 3ab.Figure S5. <sup>1</sup>H-NMR spectrum of compound 3ac.

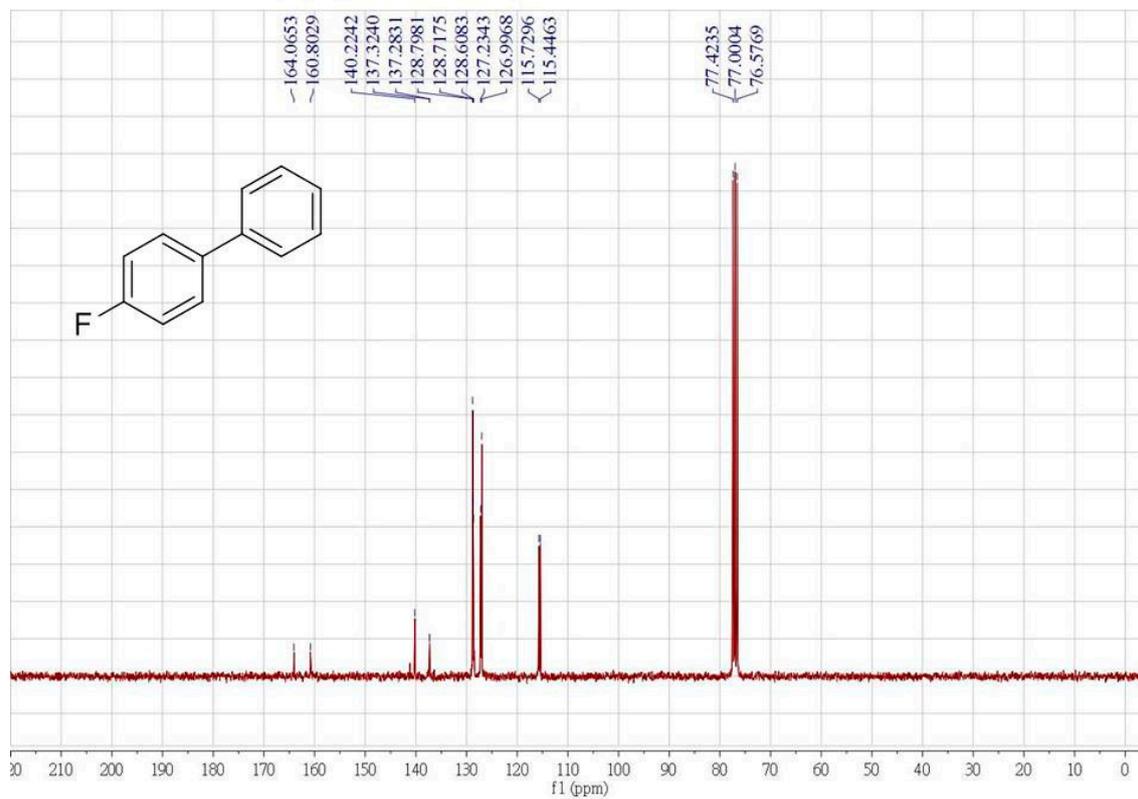
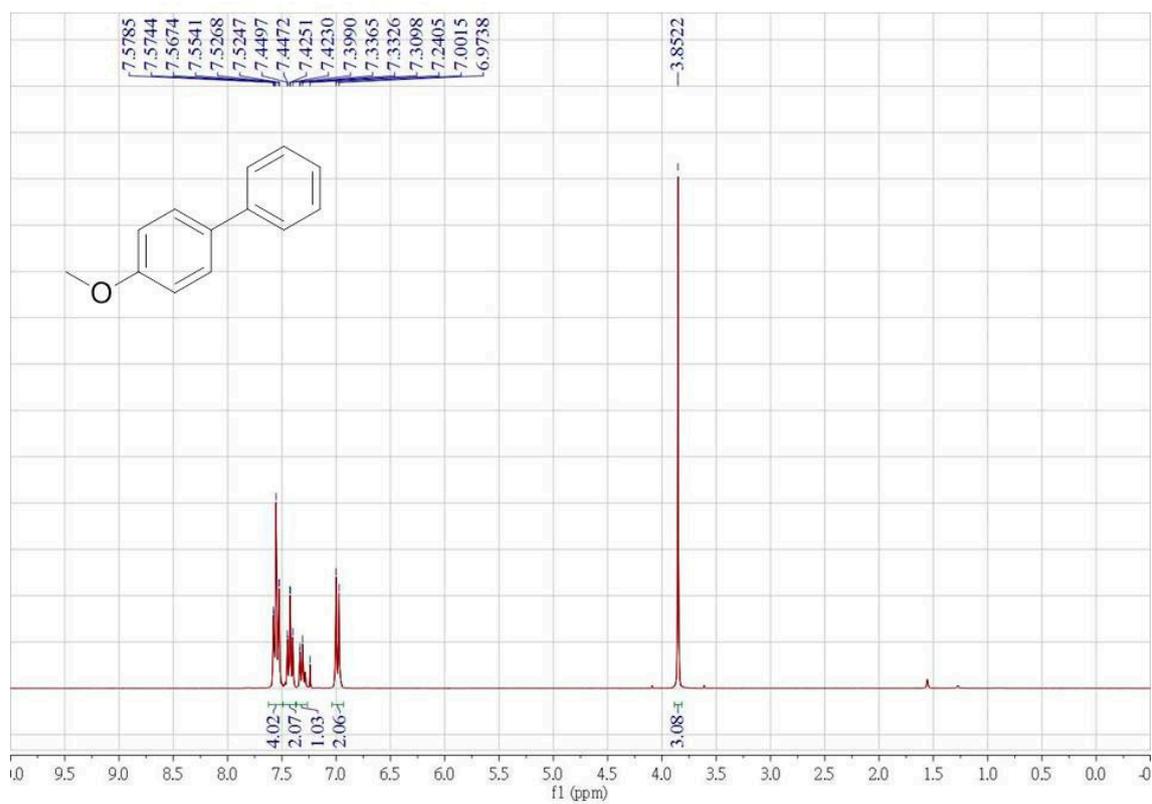
Figure S6. <sup>13</sup>C-NMR of compound 3ac.Figure S7. <sup>1</sup>H-NMR of compound 3ba.

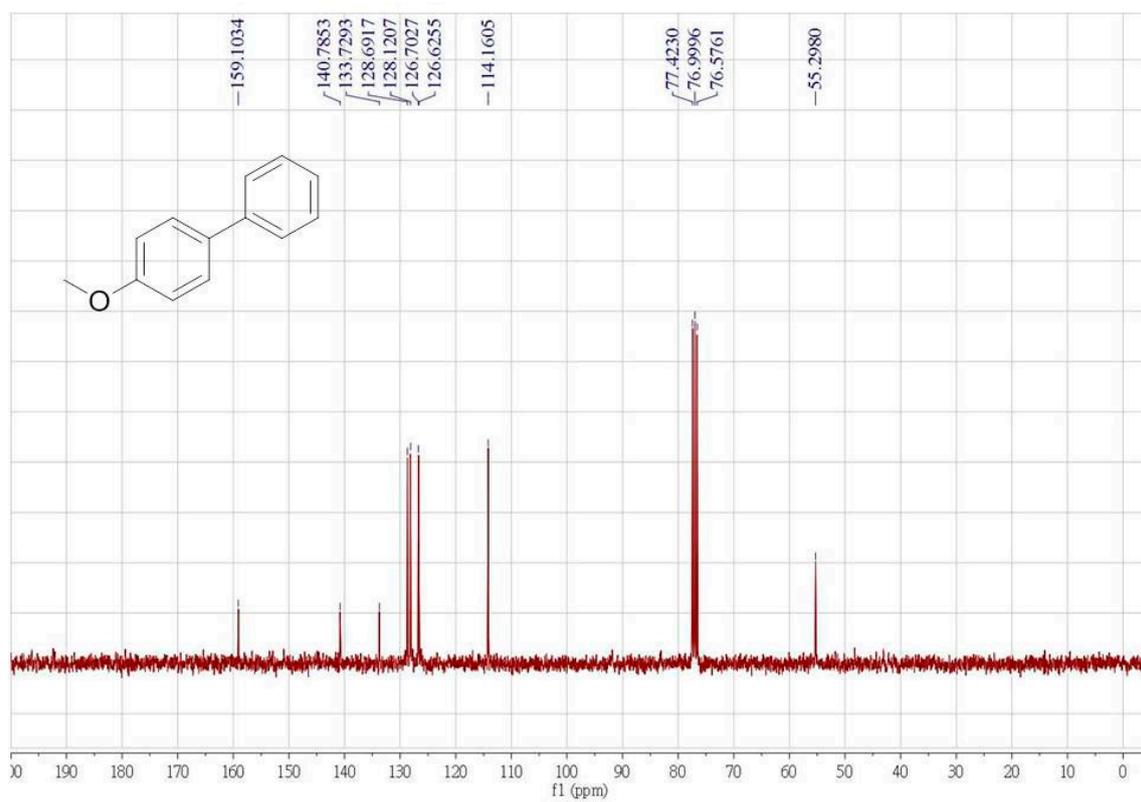
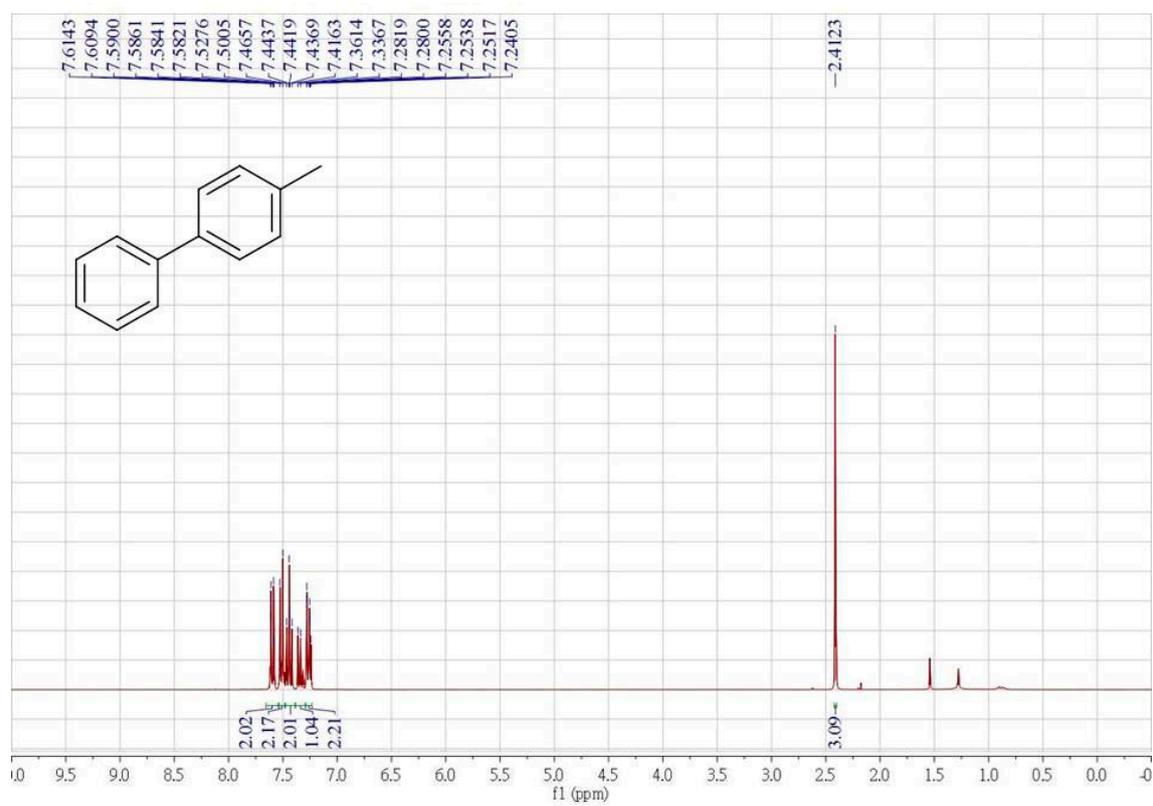
Figure S8. <sup>13</sup>C-NMR of compound 3ba.Figure S9. <sup>1</sup>H-NMR of compound 3bb.

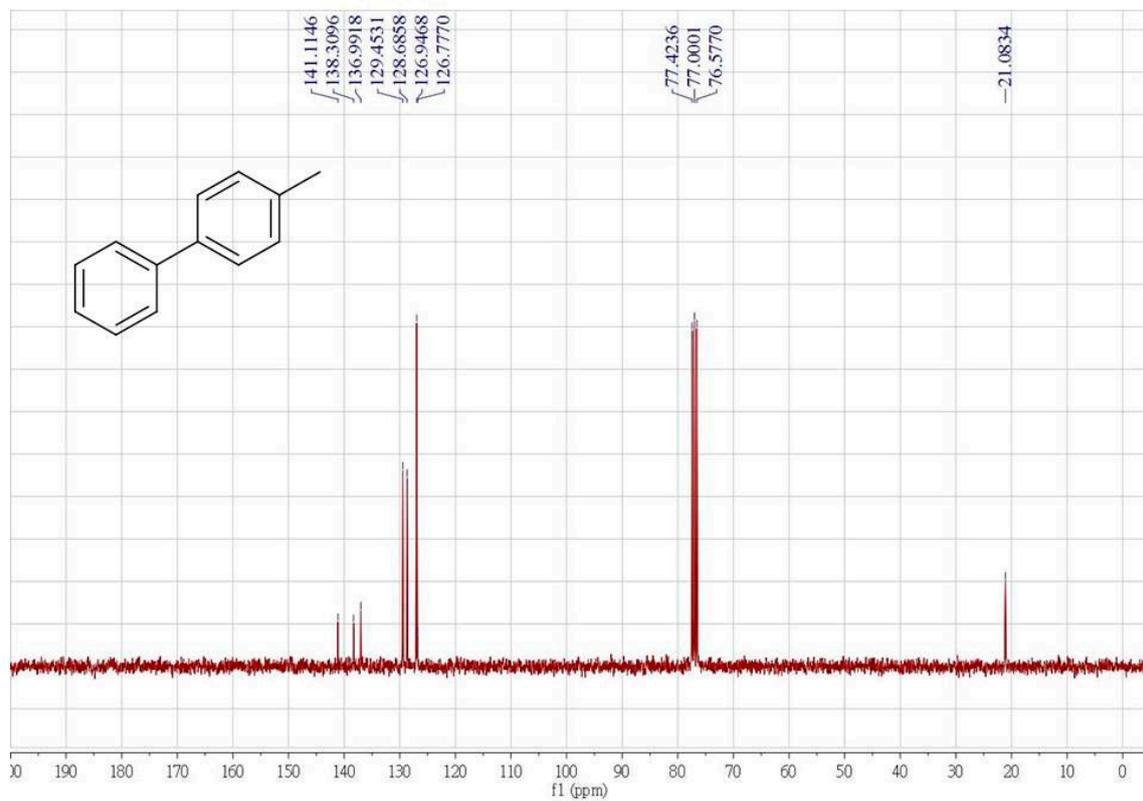
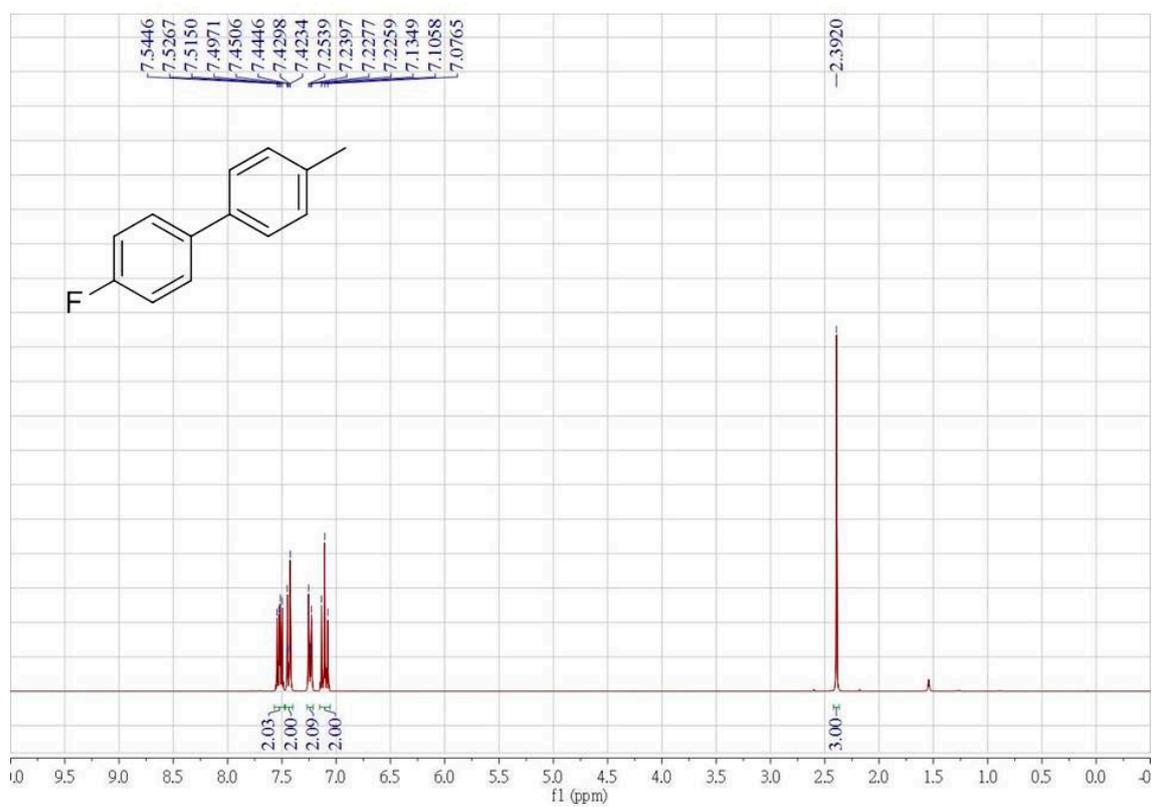
Figure S10. <sup>13</sup>C-NMR of compound 3bb.Figure S11. <sup>1</sup>H-NMR of compound 3bc.

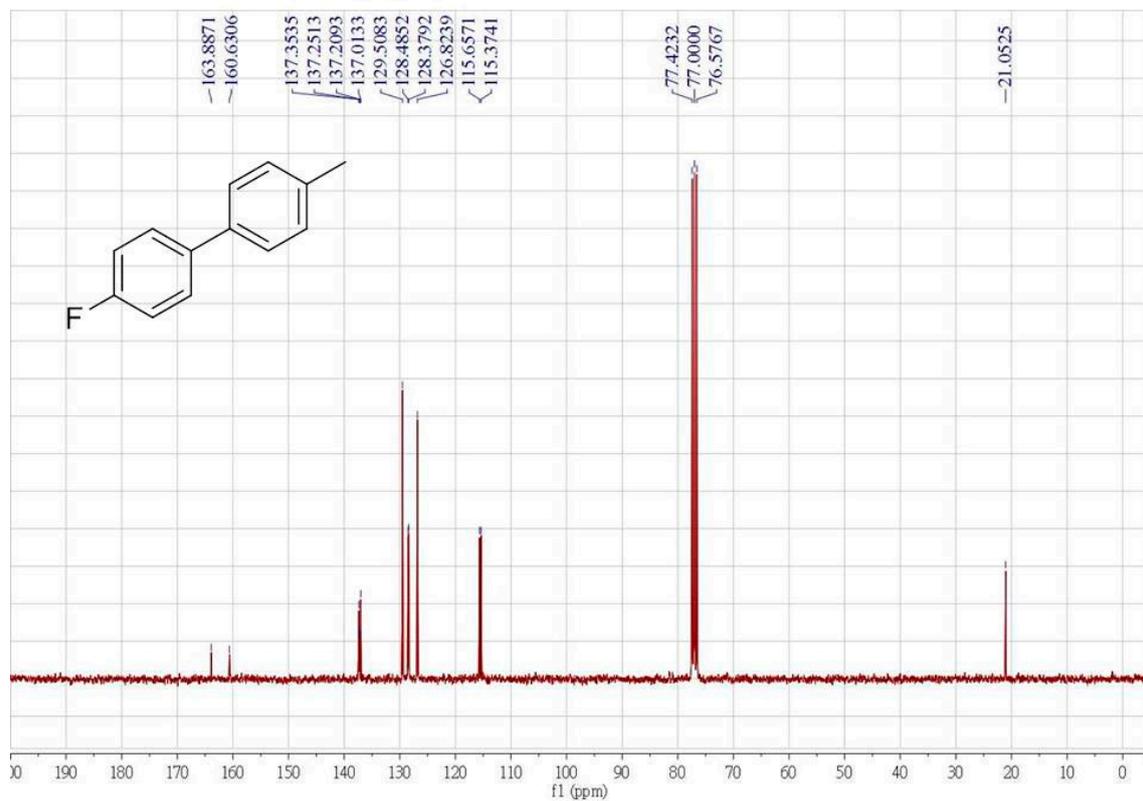
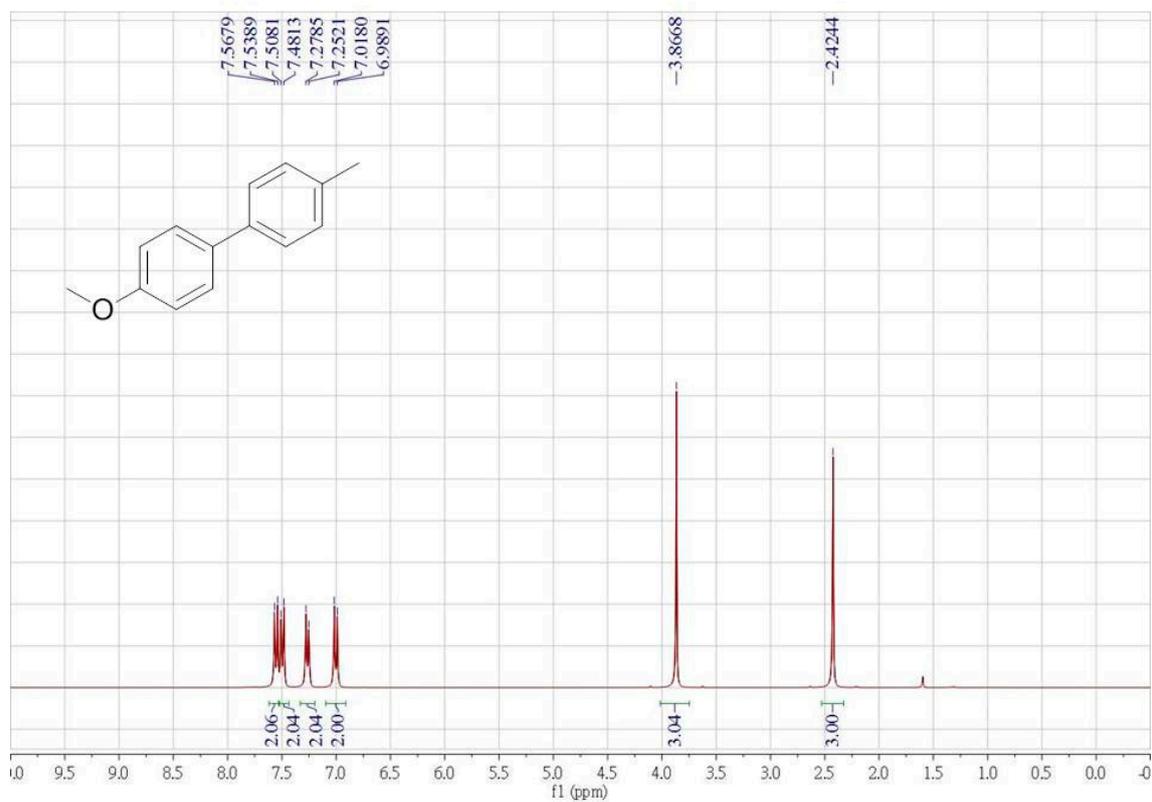
Figure S12. <sup>13</sup>C-NMR of compound 3bc.Figure S13. <sup>1</sup>H-NMR of compound 3ca.

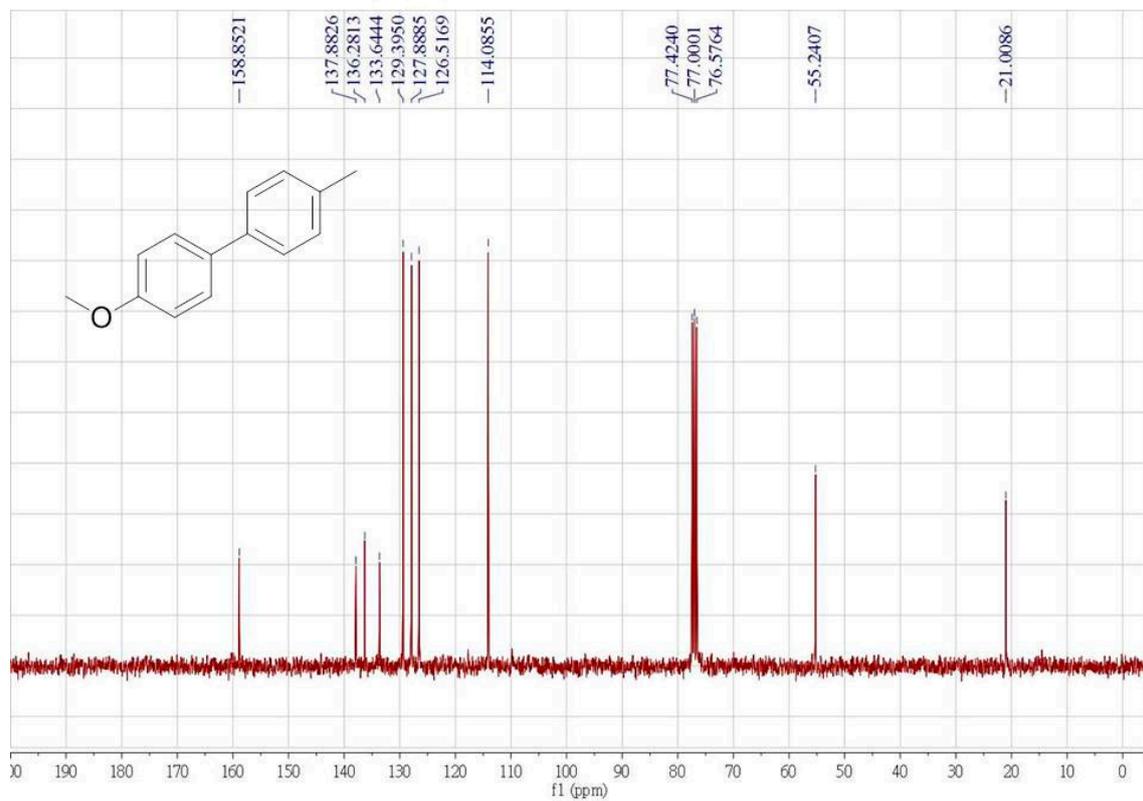
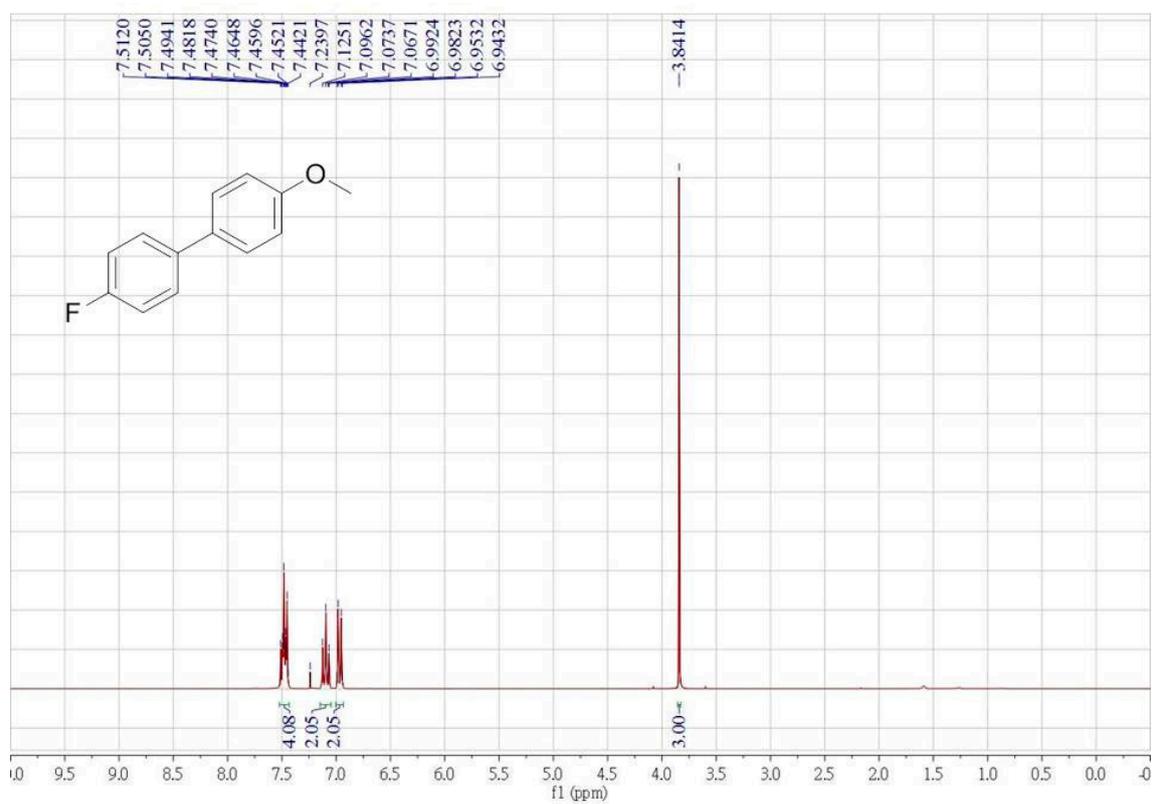
Figure S14. <sup>13</sup>C-NMR of compound 3ca.Figure S15. <sup>1</sup>H-NMR of compound 3cb.

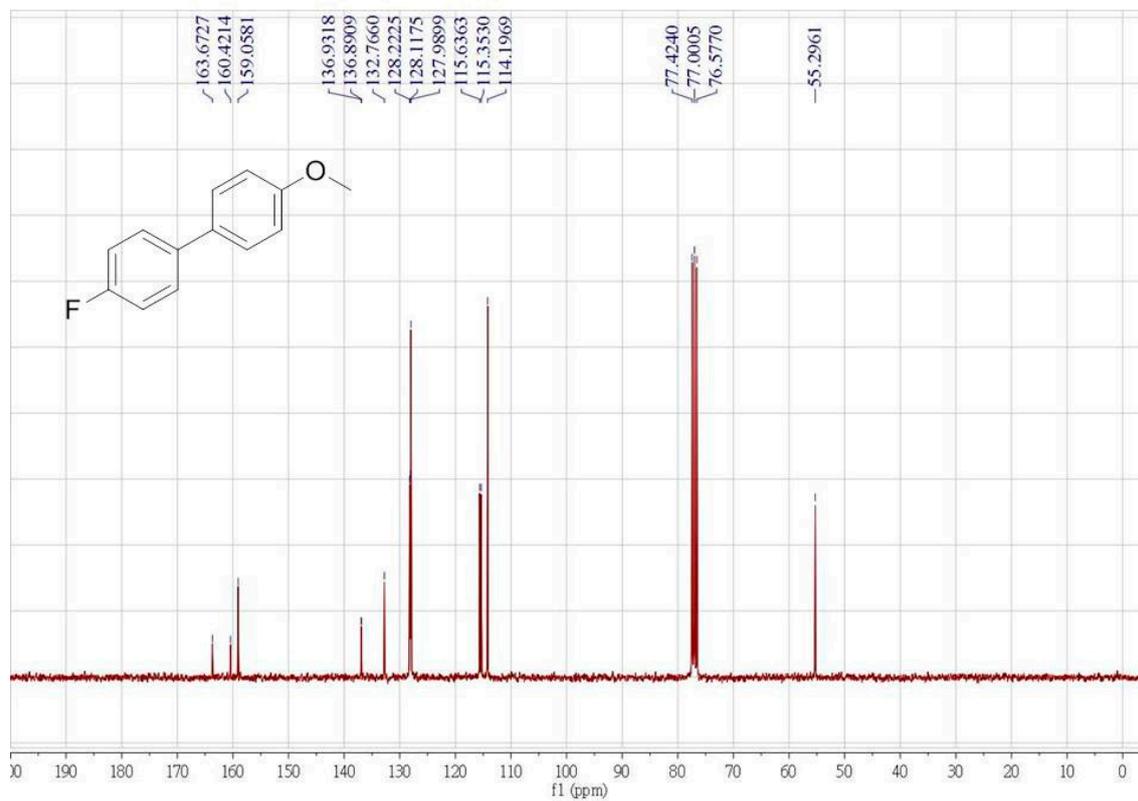
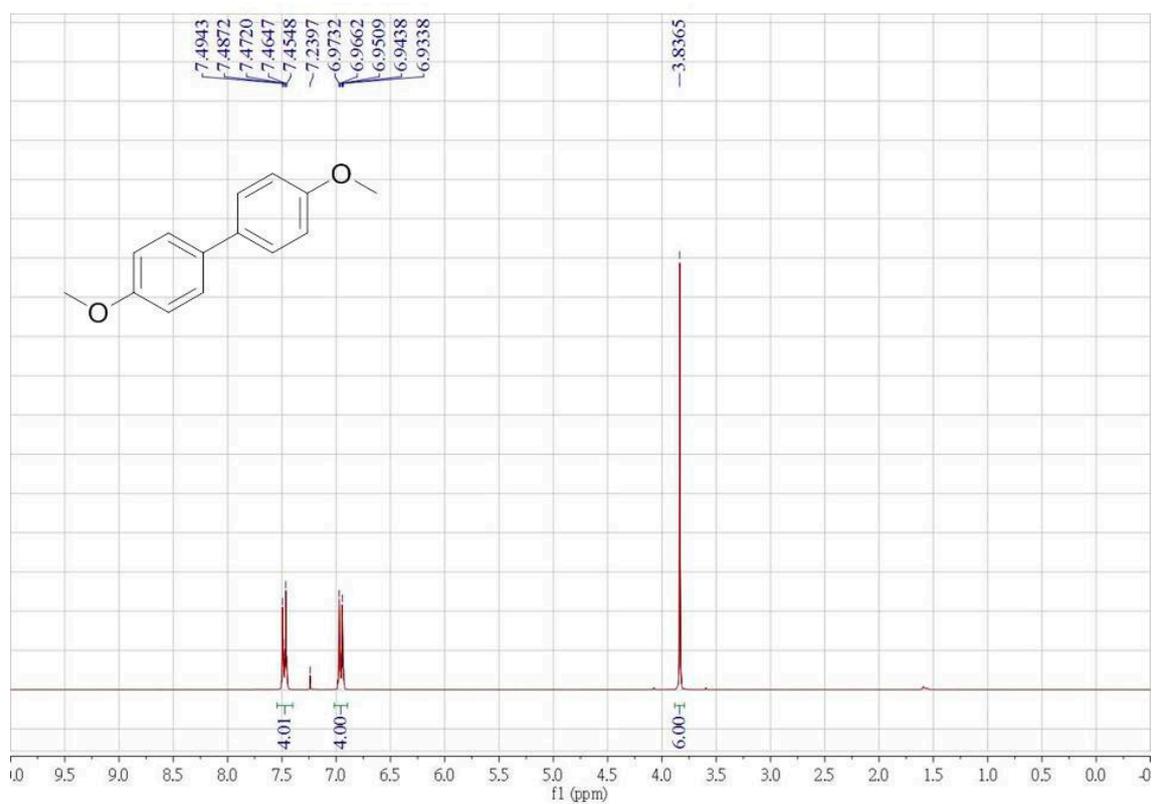
Figure S16. <sup>13</sup>C-NMR of compound 3cb.Figure S17. <sup>1</sup>H-NMR of compound 3cc.

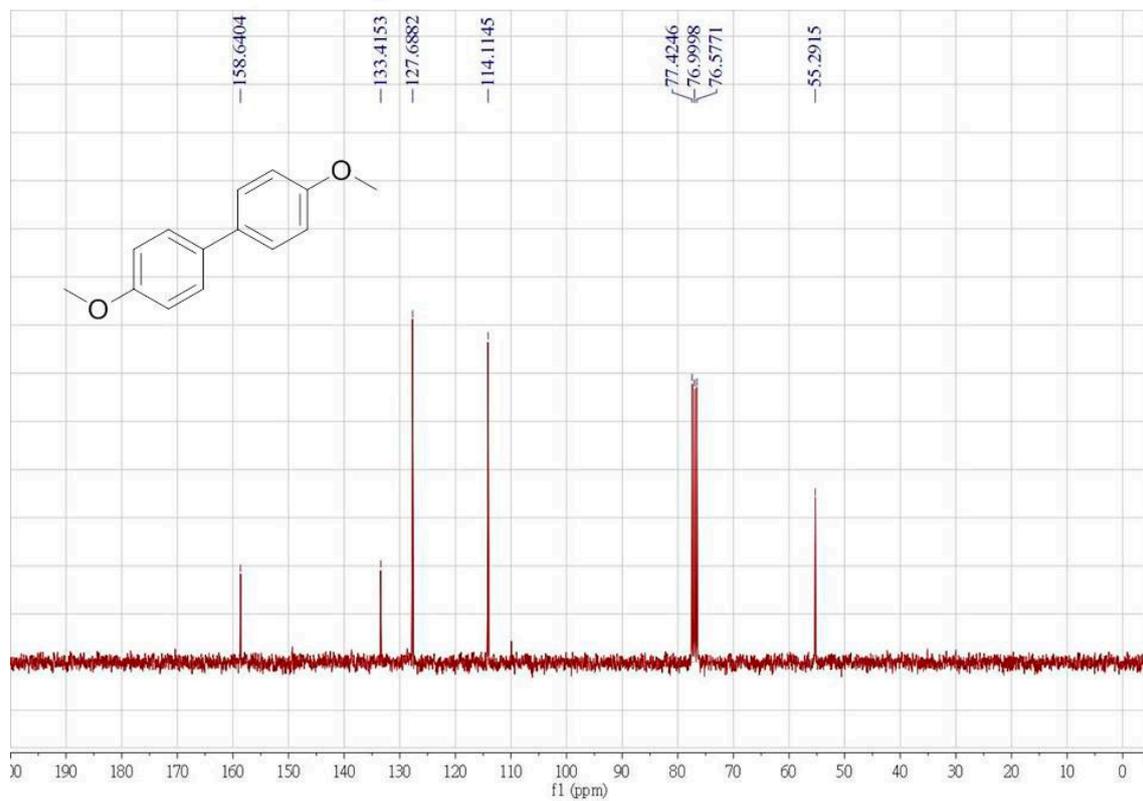
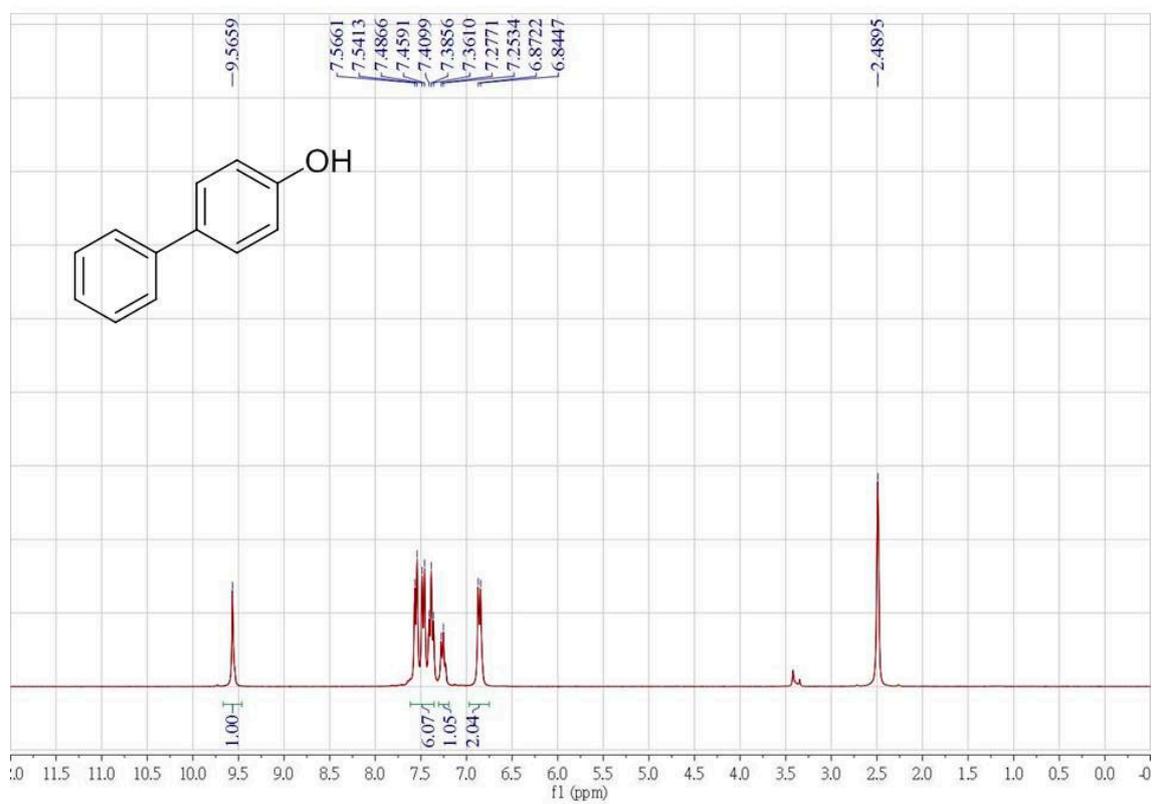
Figure S18. <sup>13</sup>C-NMR of compound 3cc.Figure S19. <sup>1</sup>H-NMR of compound 3da.

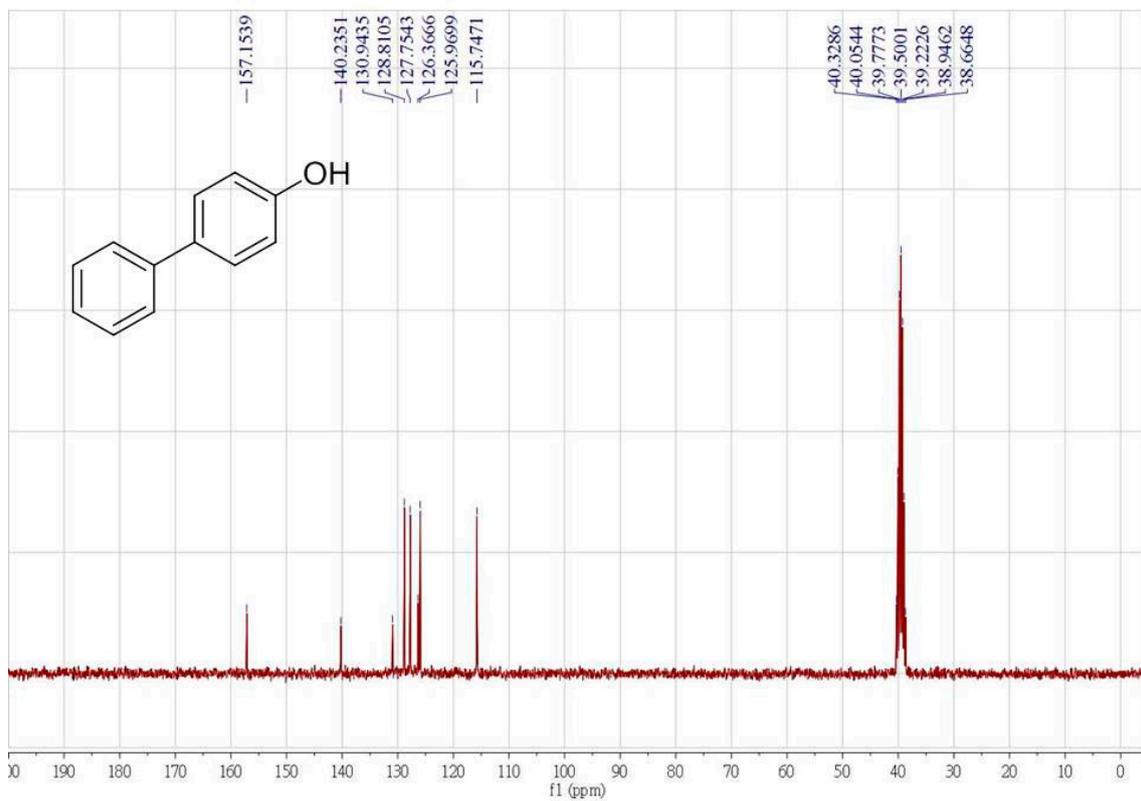
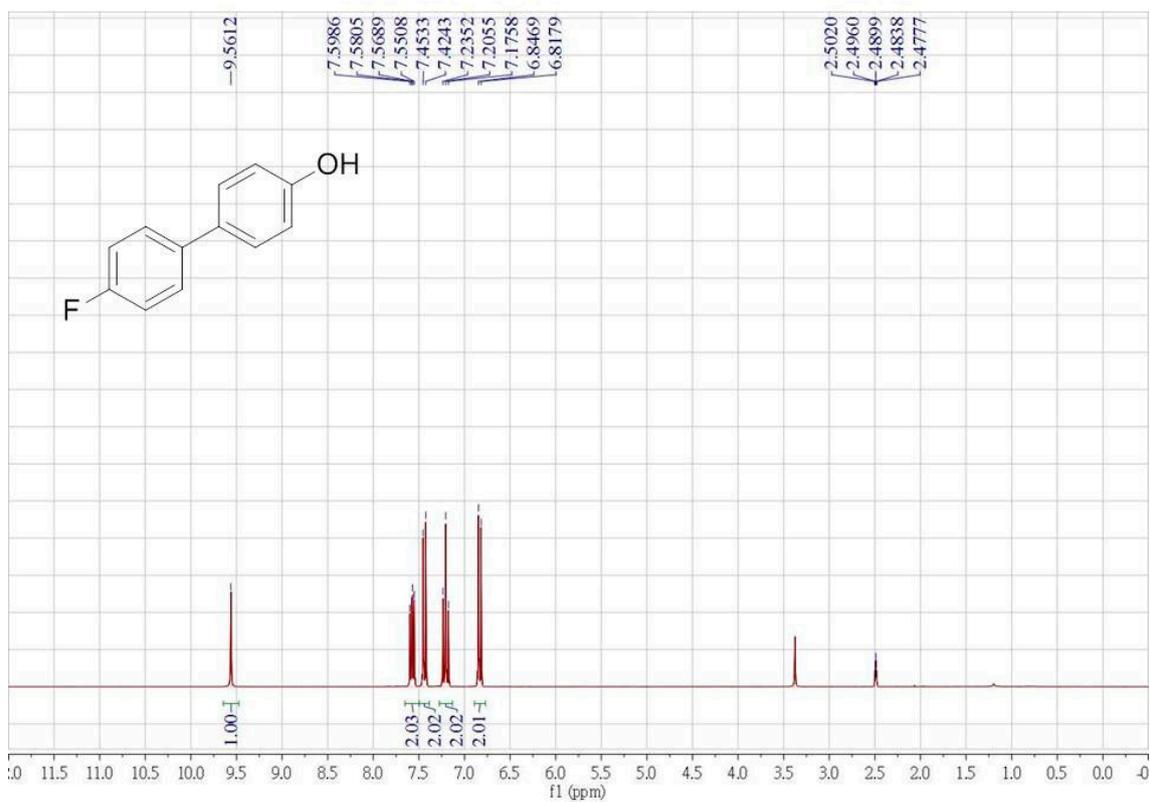
Figure S20. <sup>13</sup>C-NMR of compound 3da.Figure S21. <sup>1</sup>H-NMR of compound 3db.

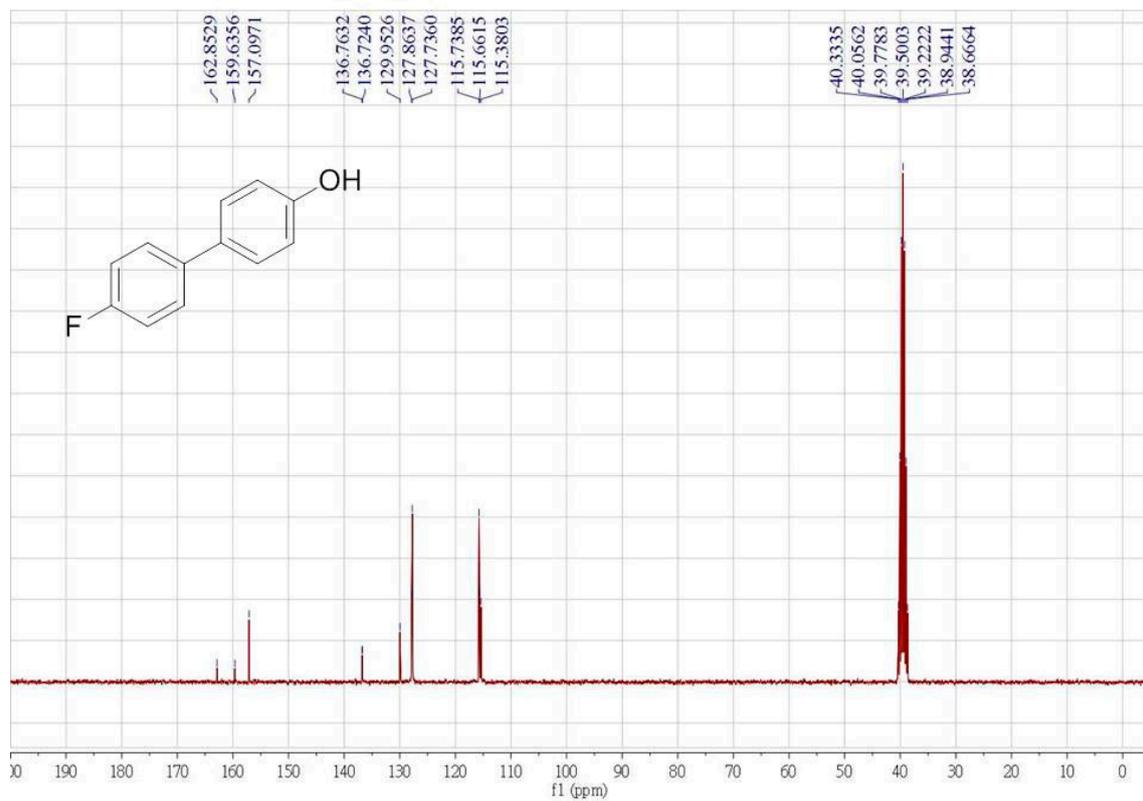
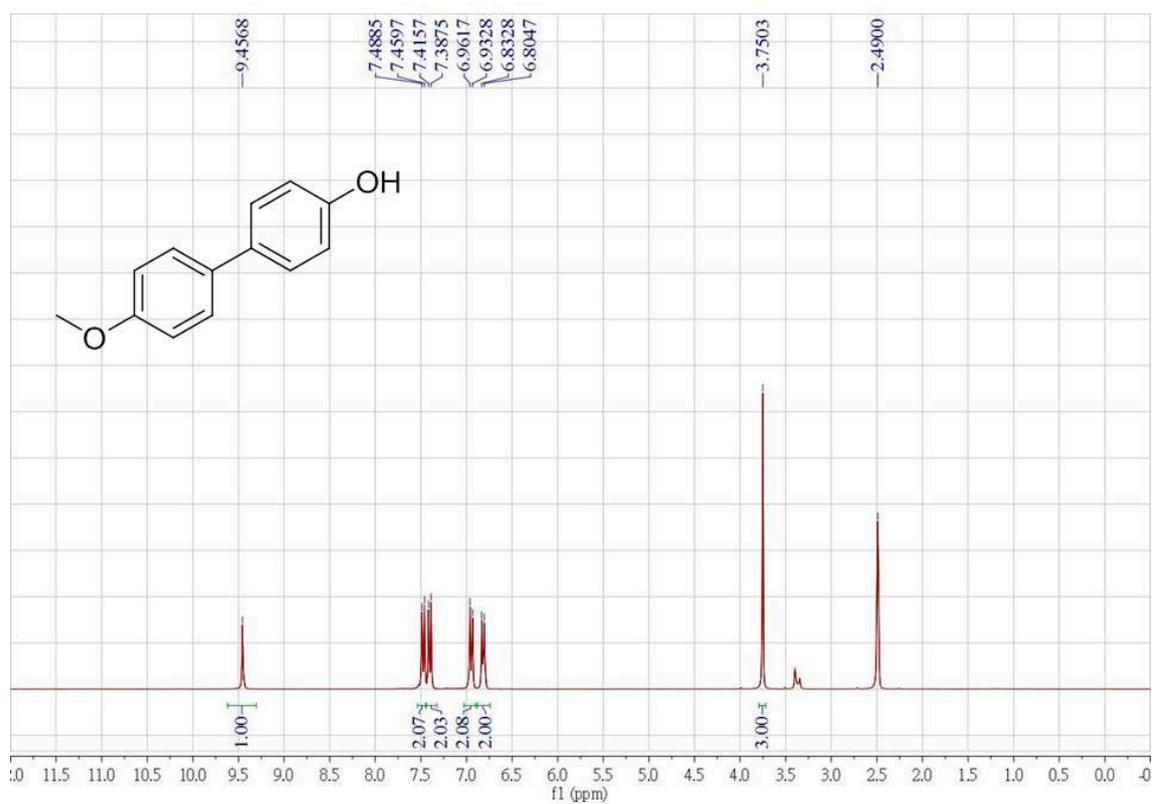
Figure S22. <sup>13</sup>C-NMR of compound 3db.Figure S23. <sup>1</sup>H-NMR of compound 3dc.

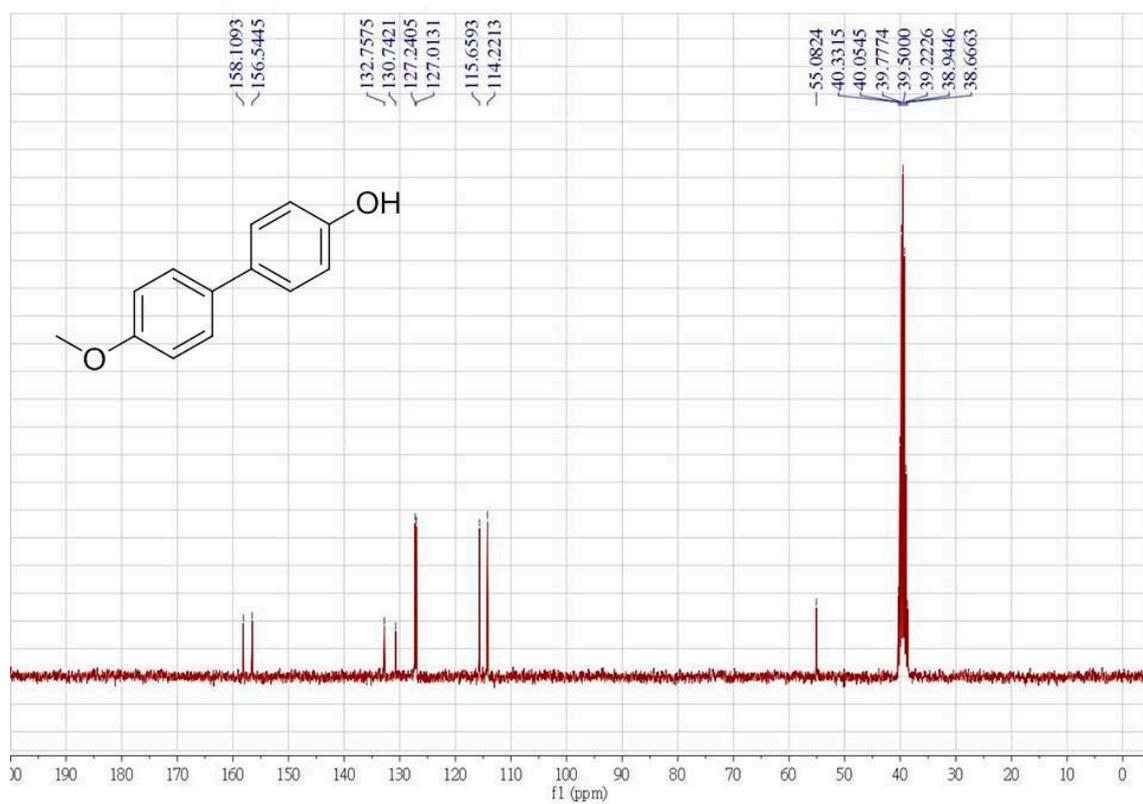
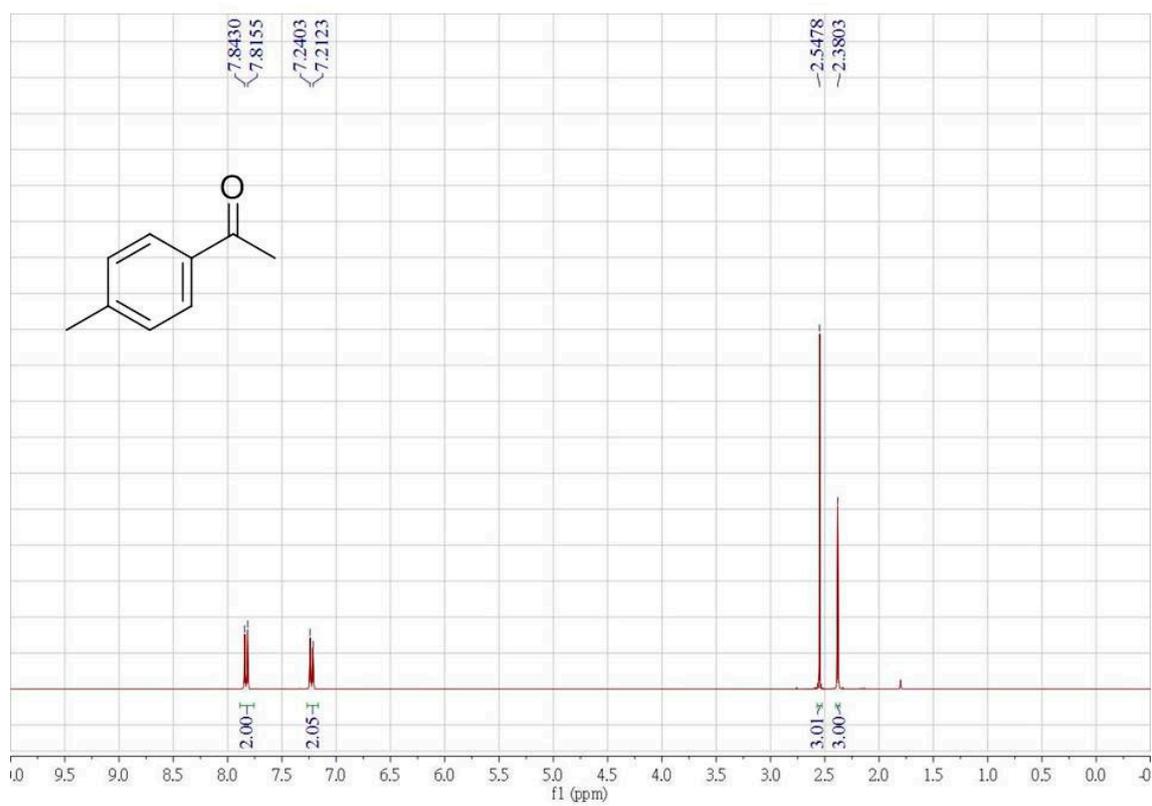
Figure S24. <sup>13</sup>C-NMR of compound 3dc.Figure S25. <sup>1</sup>H-NMR of compound 3eb.

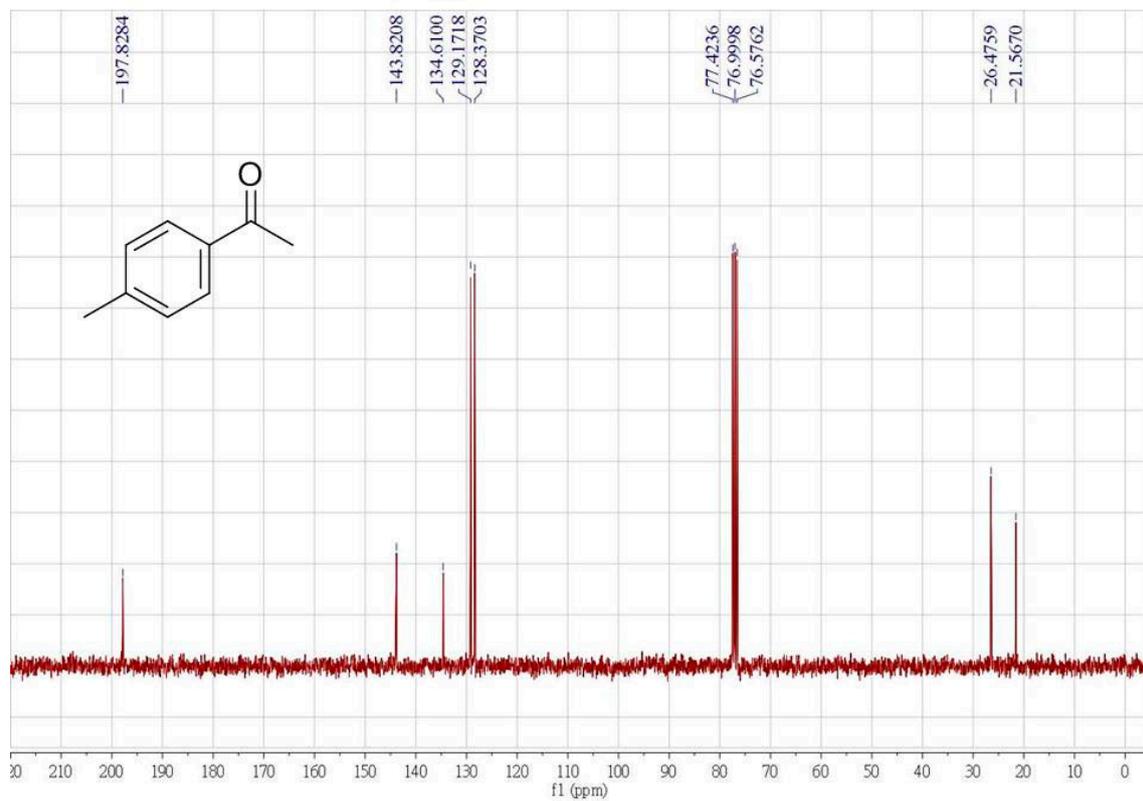
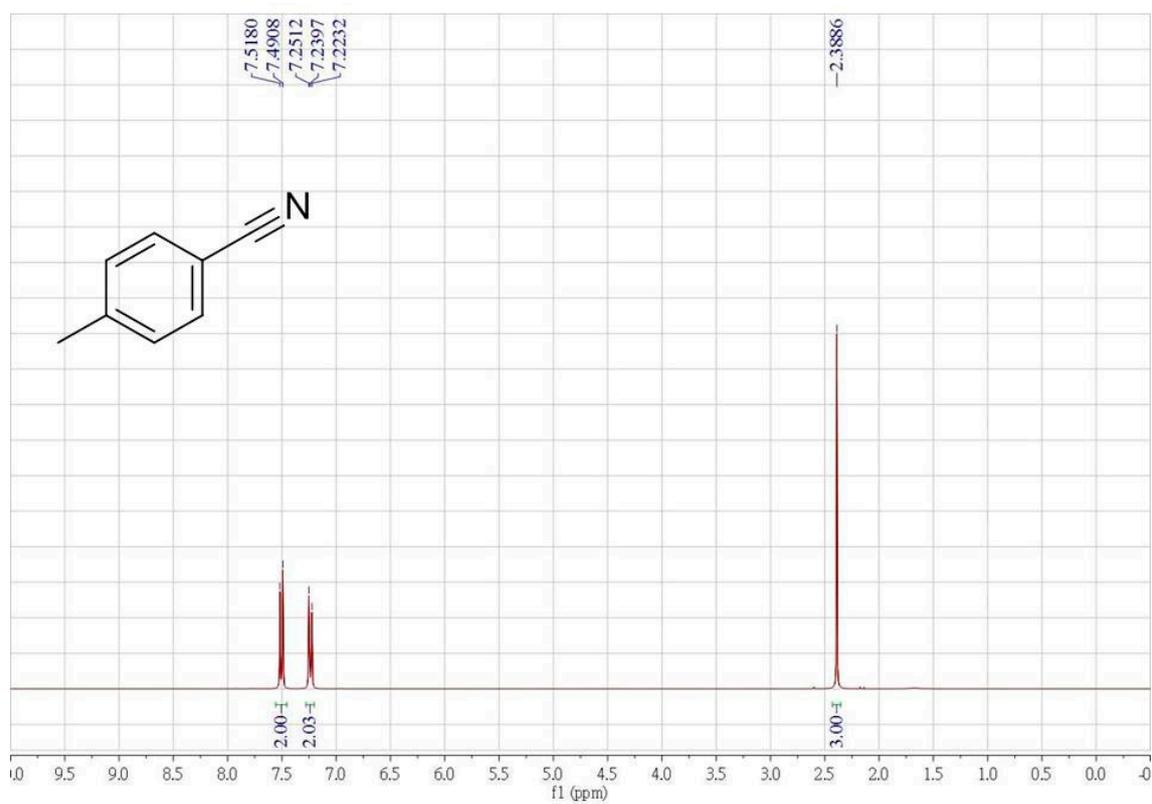
Figure S26. <sup>13</sup>C-NMR of compound 3eb.Figure S27. <sup>1</sup>H-NMR of compound 3ec.

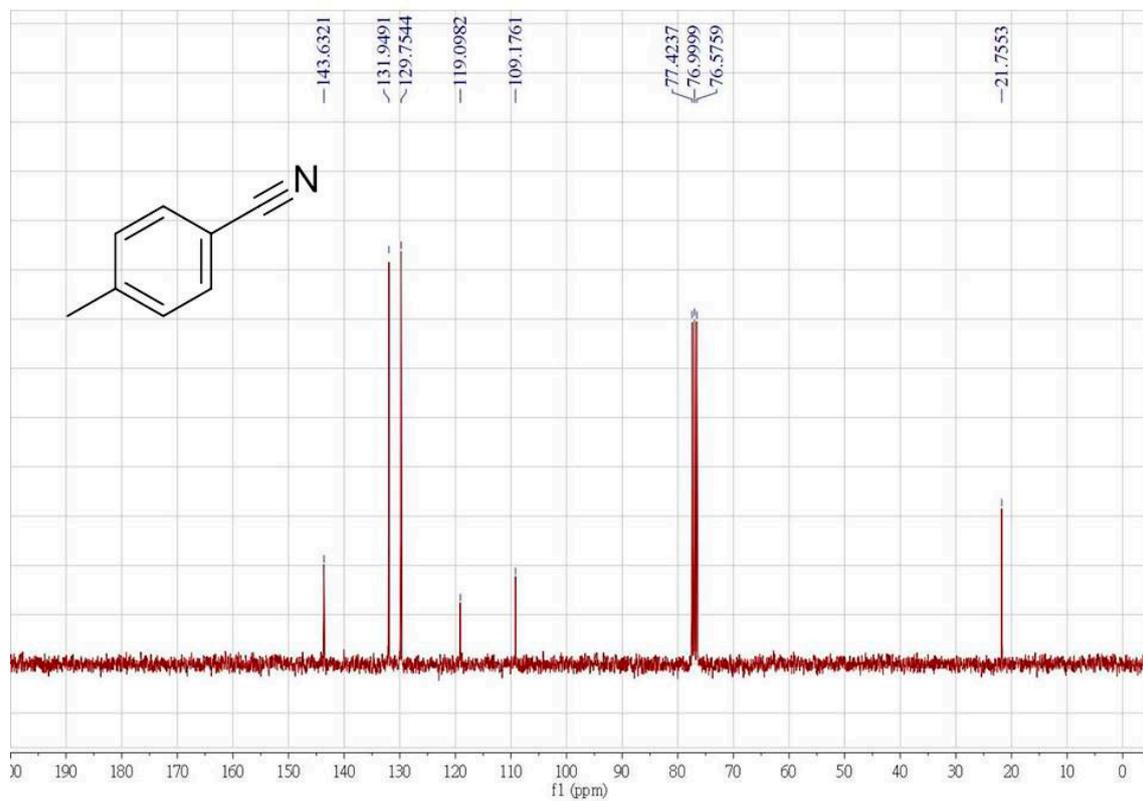
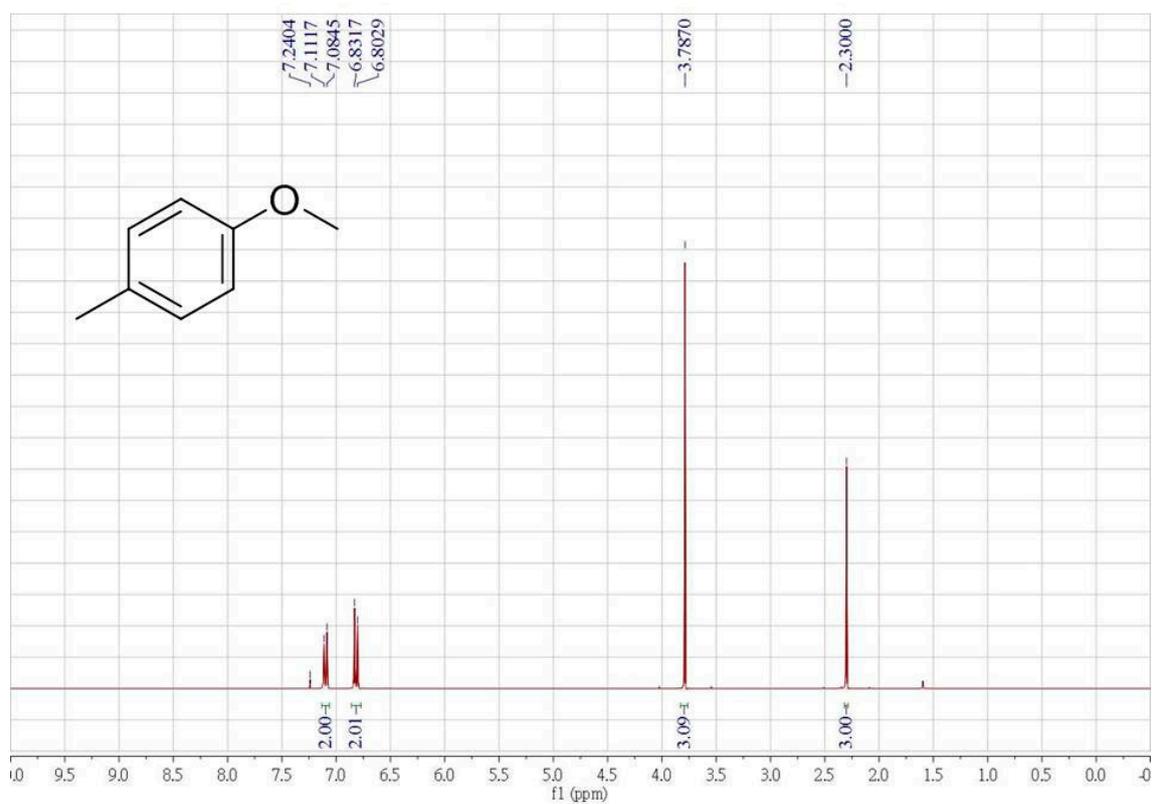
Figure S28. <sup>13</sup>C-NMR of compound 3ec.Figure S29. <sup>1</sup>H-NMR of compound 3fa.

Figure S30. <sup>13</sup>C-NMR of compound 3fa.Figure S31. <sup>1</sup>H-NMR of compound 3fb.

Figure S32. <sup>13</sup>C-NMR of compound 3fb.Figure S33. <sup>1</sup>H-NMR of compound 3fc.

Figure S34. <sup>13</sup>C-NMR of compound 3fc.Figure S35. <sup>1</sup>H-NMR of compound 6a.

Figure S36. <sup>13</sup>C-NMR of compound 6a.Figure S37. <sup>1</sup>H-NMR of compound 6b.

Figure S38. <sup>13</sup>C-NMR of compound 6b.Figure S39. <sup>1</sup>H-NMR of compound 6e.

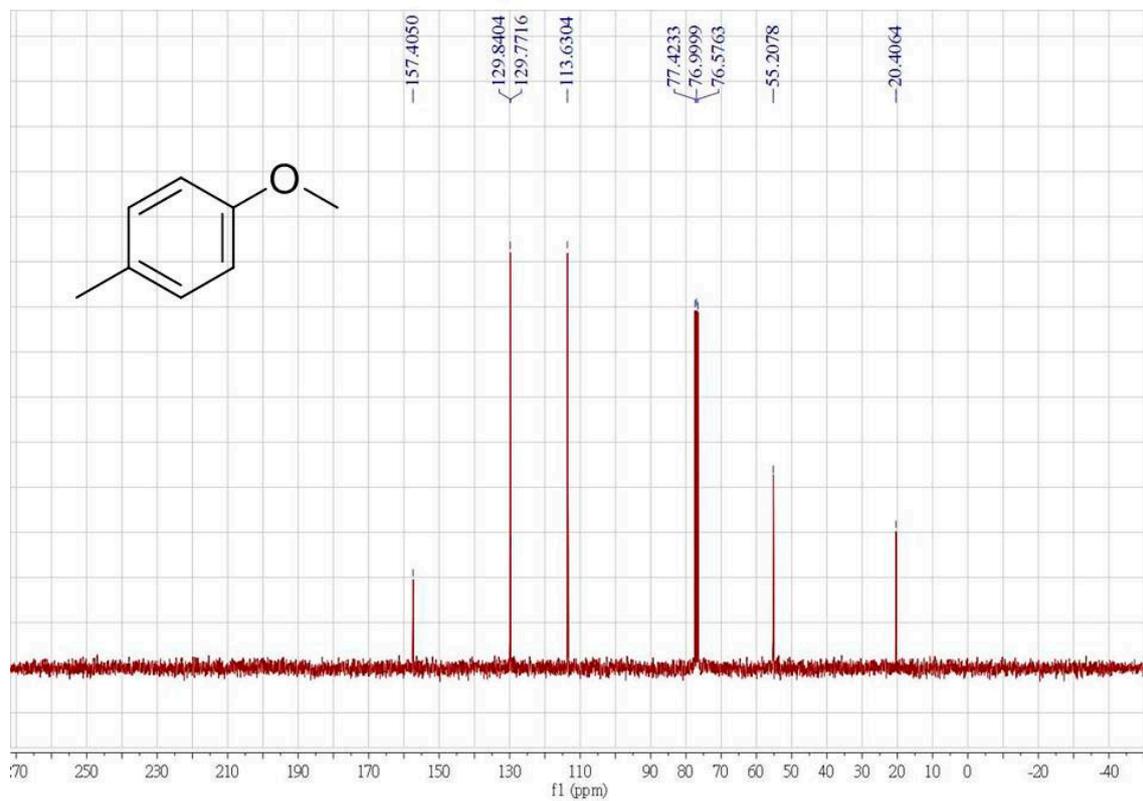


Figure S40. <sup>13</sup>C-NMR of compound 6e.