

Supporting Information for

Expression of Reaction Selectivity and the Substituent Effect in Ullmann, Suzuki, Hiyama, and Allylic Arylation Reactions Caused by Reducing Catalyst Loading

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^1H and ^{13}C NMR spectra

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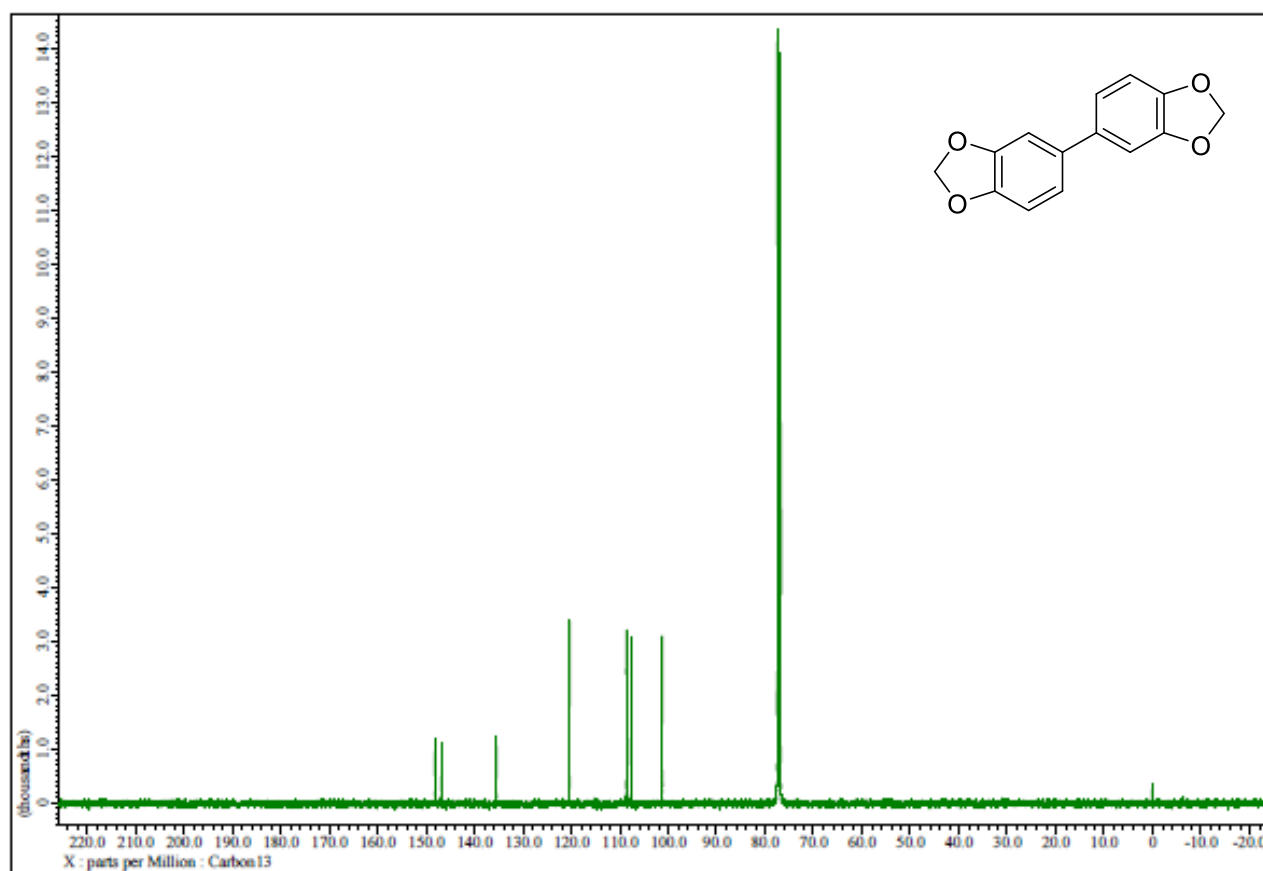
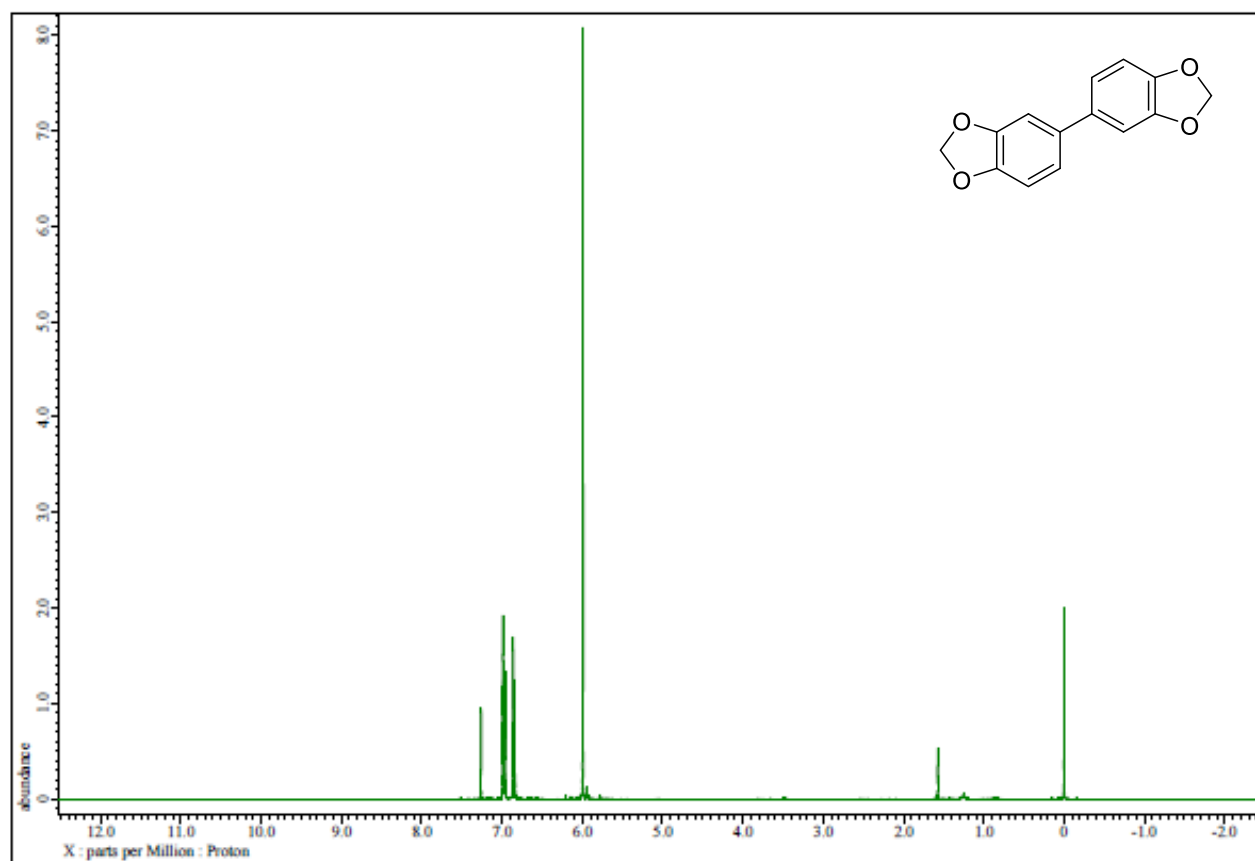


Figure S1. ¹H and ¹³C NMR spectra of 5,5'-bi-1,3-benzodioxole.

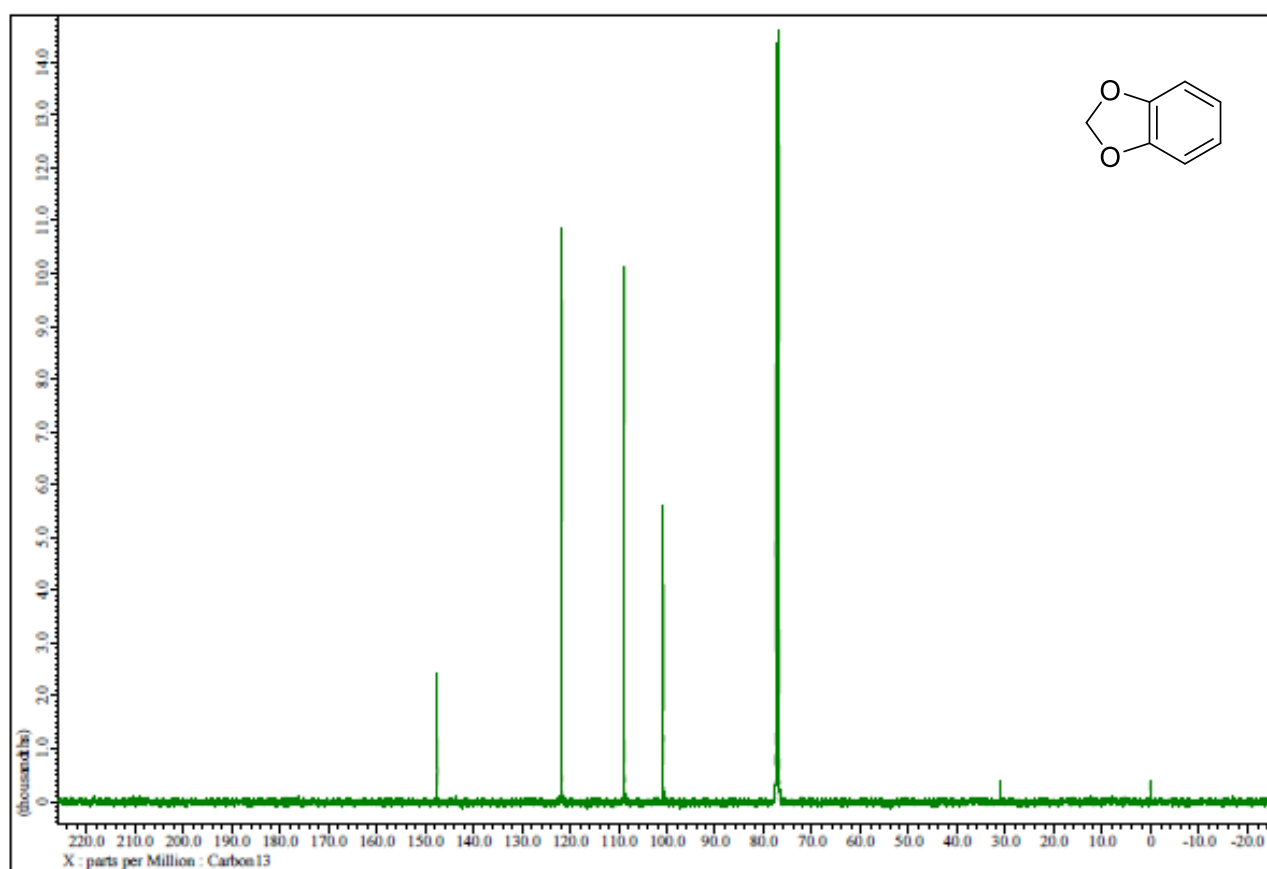
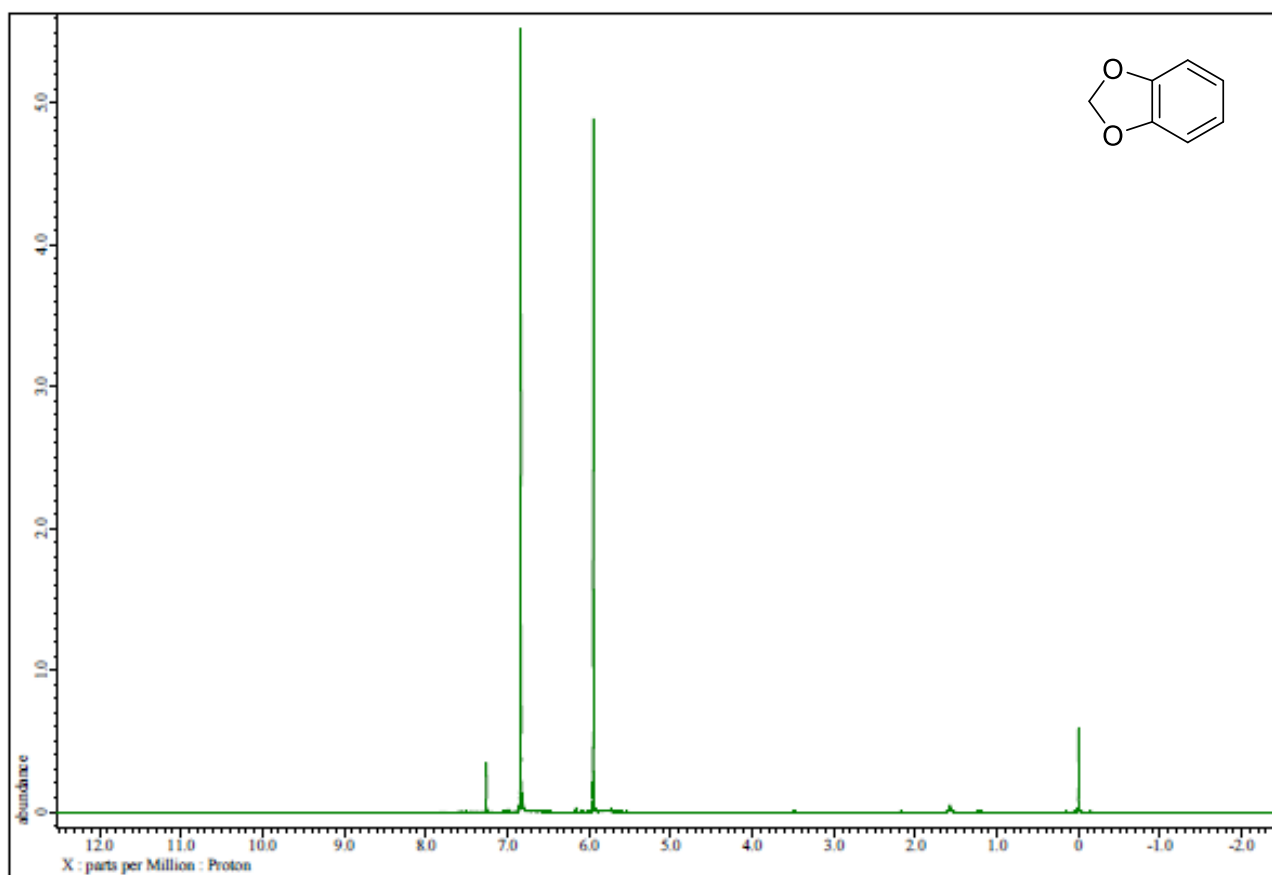


Figure S2. ¹H and ¹³C NMR spectra of 1,3-benzodioxole.

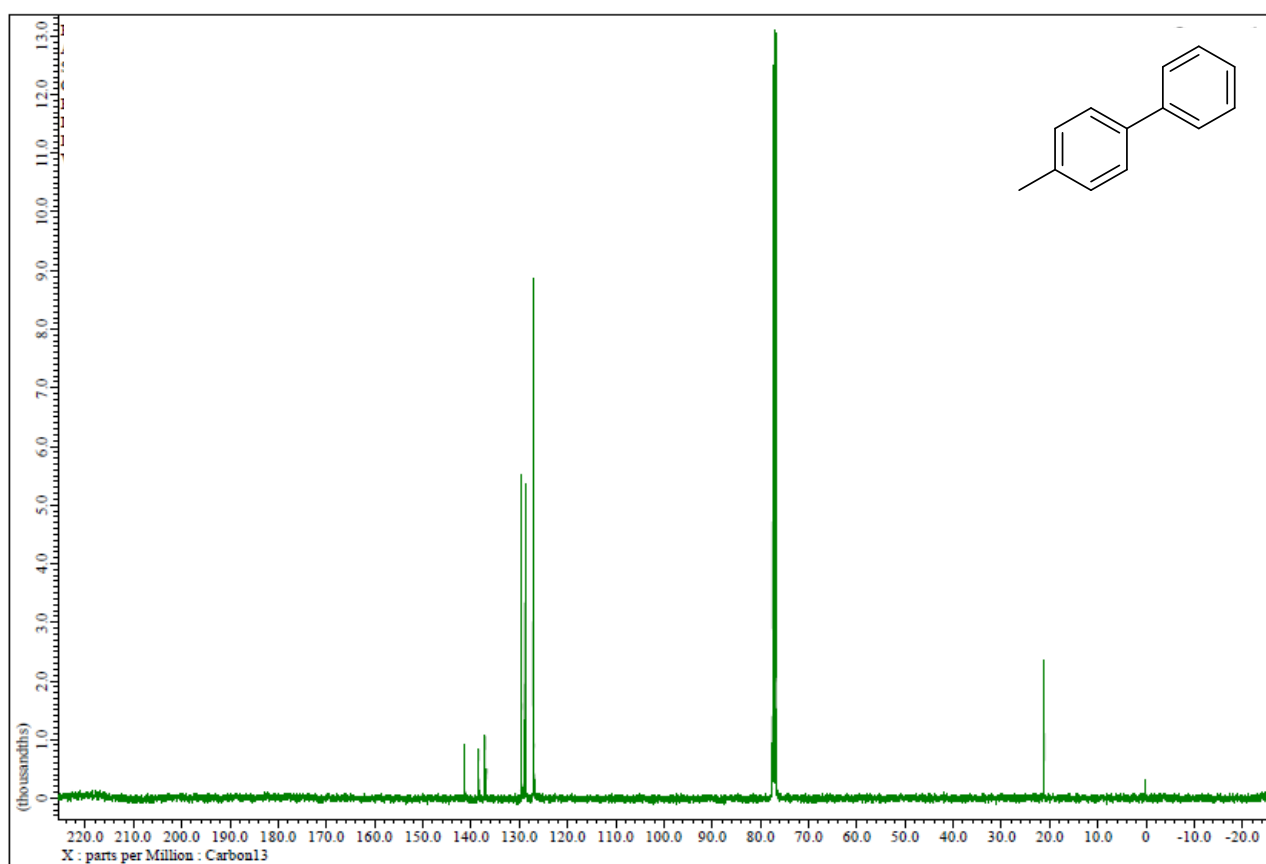
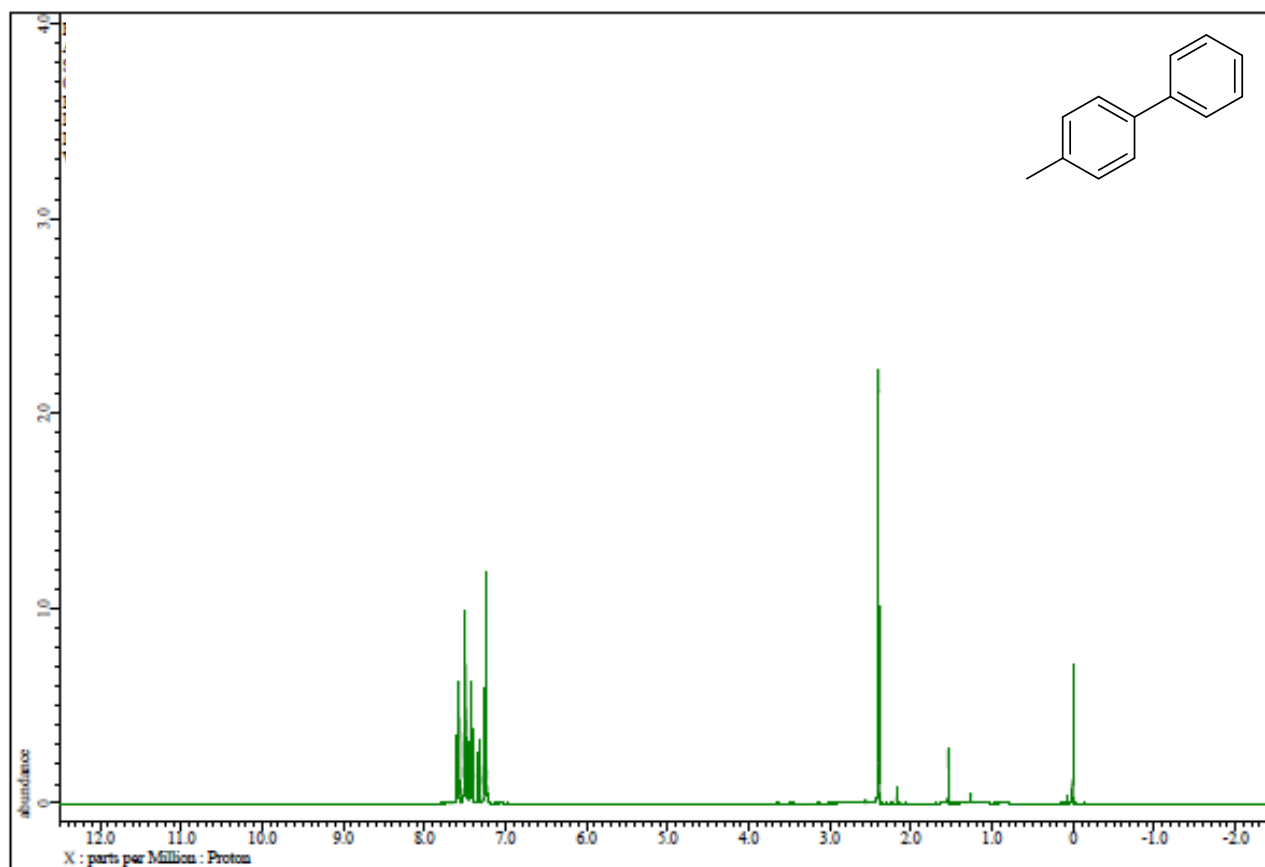


Figure S3. ¹H and ¹³C NMR spectra of 4-methylbiphenyl.

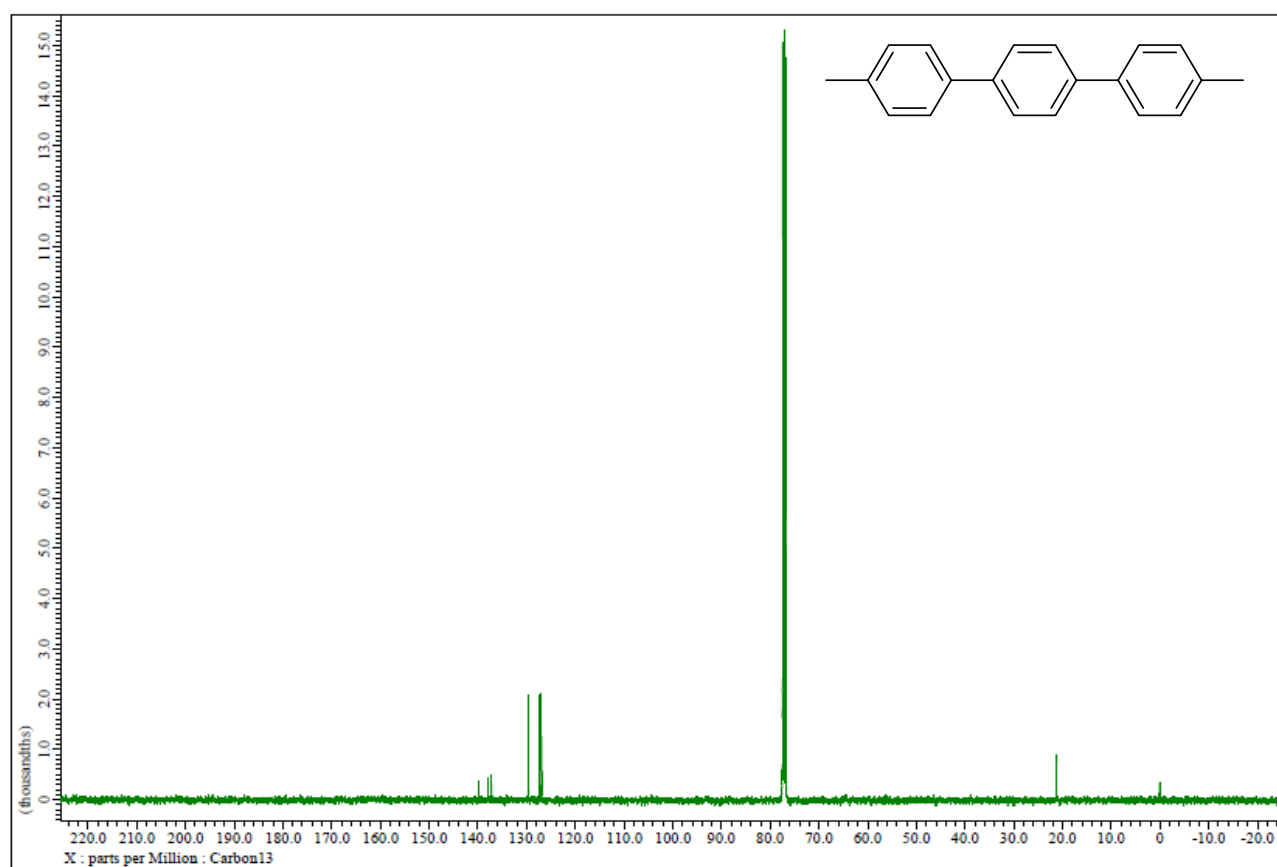
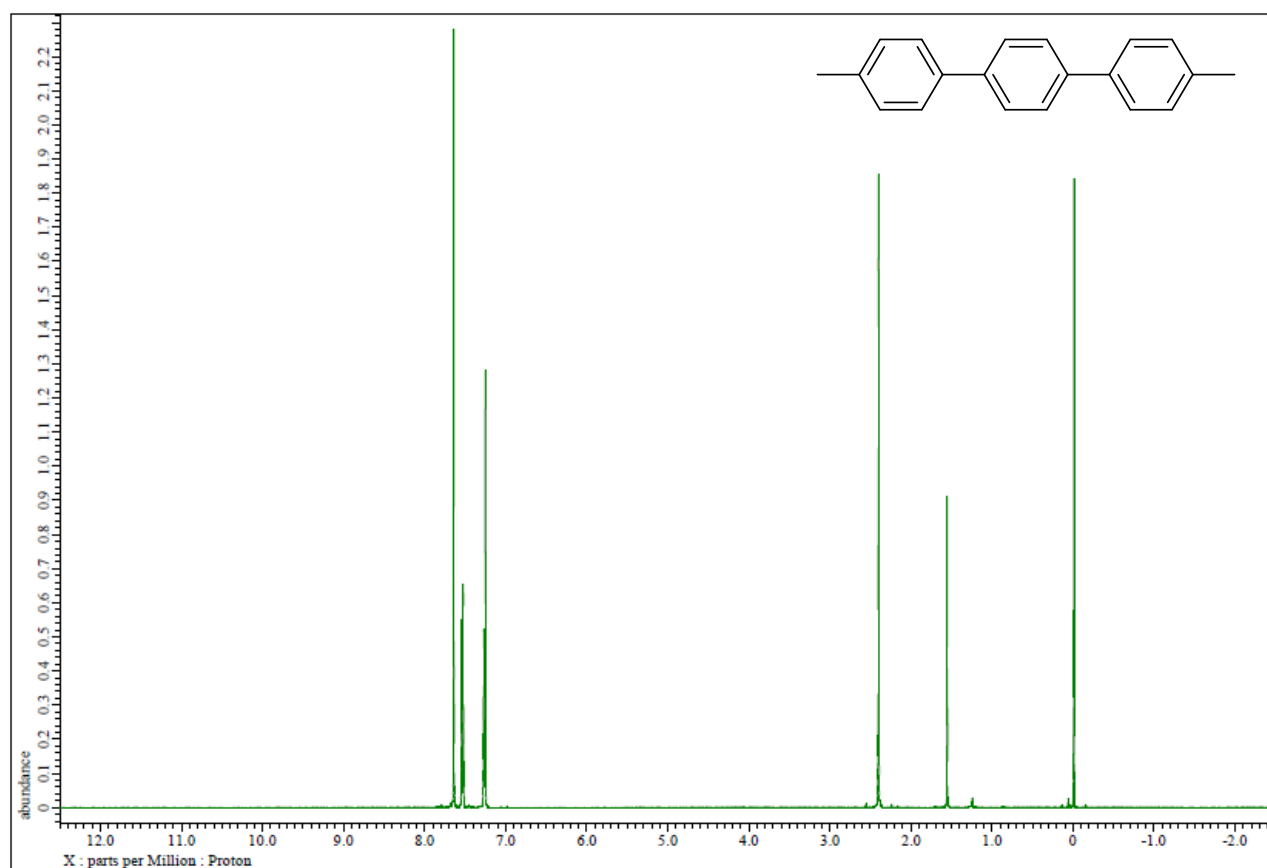


Figure S4. ¹H and ¹³C NMR spectra of 4,4'-dimethyl-1,1':4',1''-terphenyl.

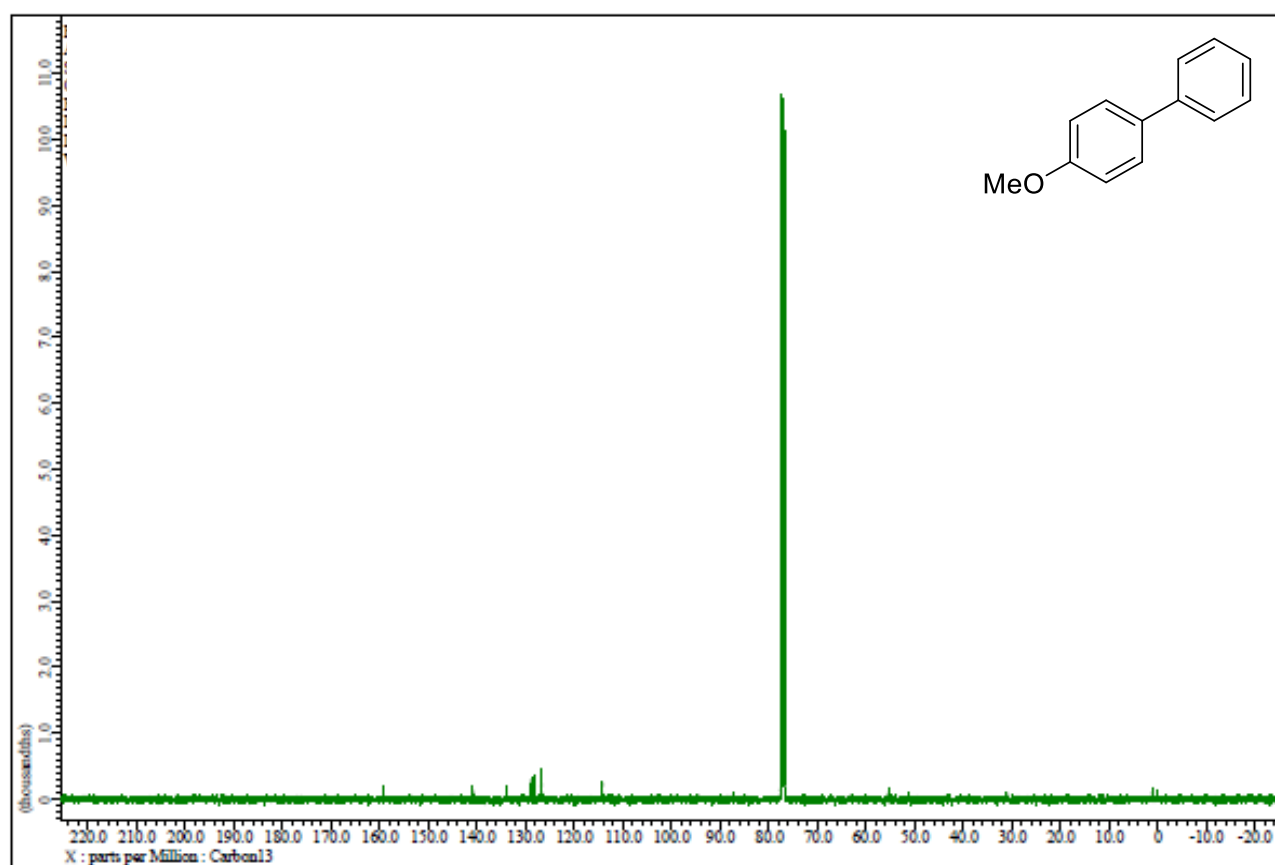
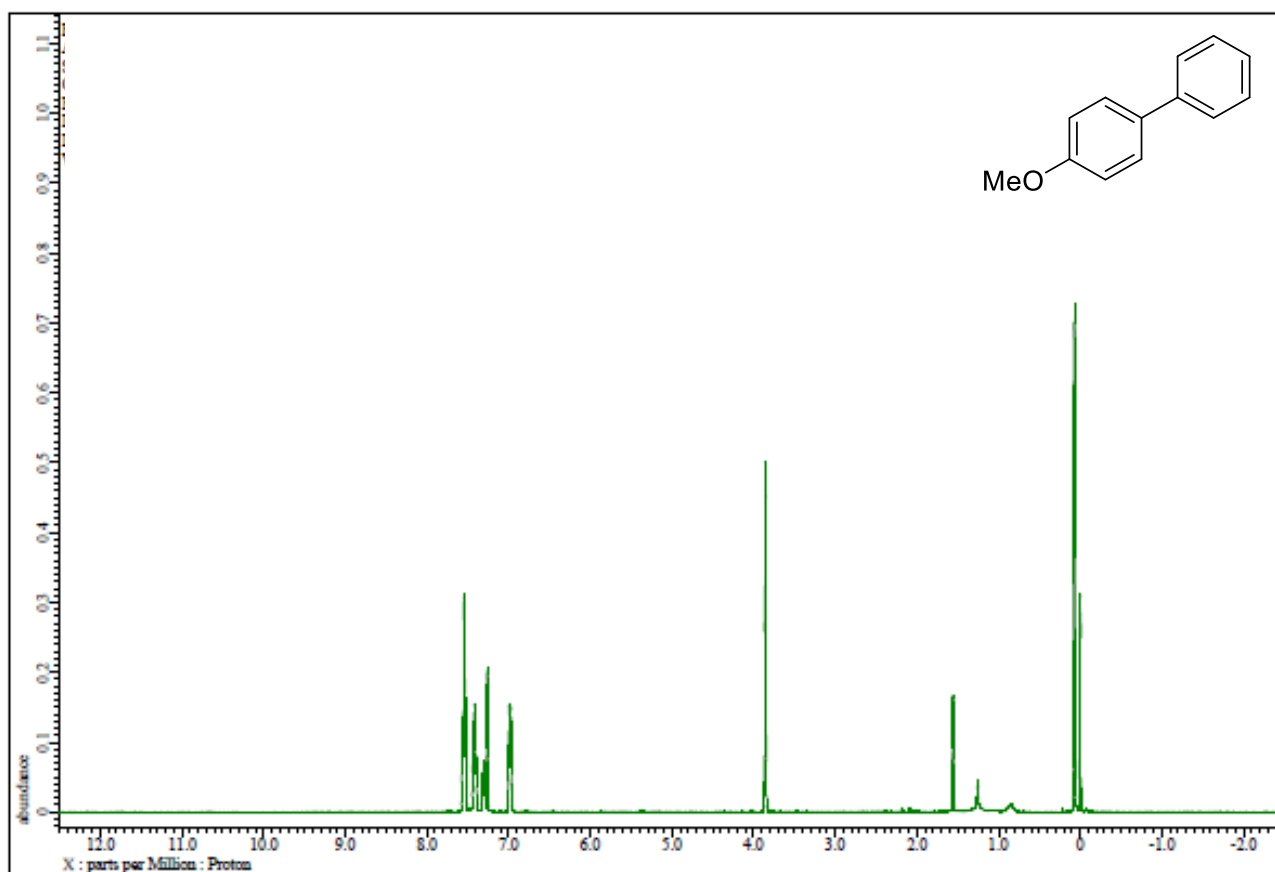


Figure S5. ¹H and ¹³C NMR spectra of 4-methoxybiphenyl.

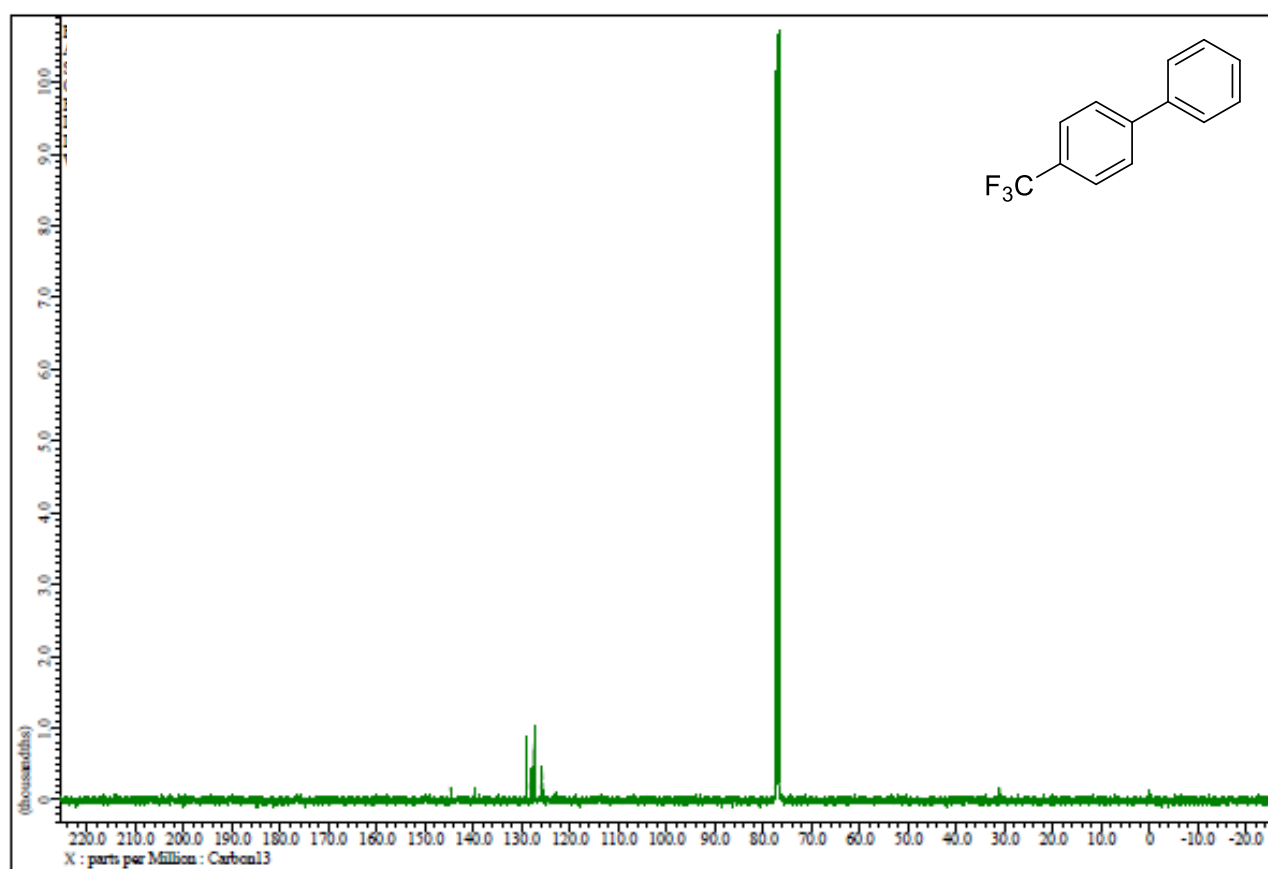
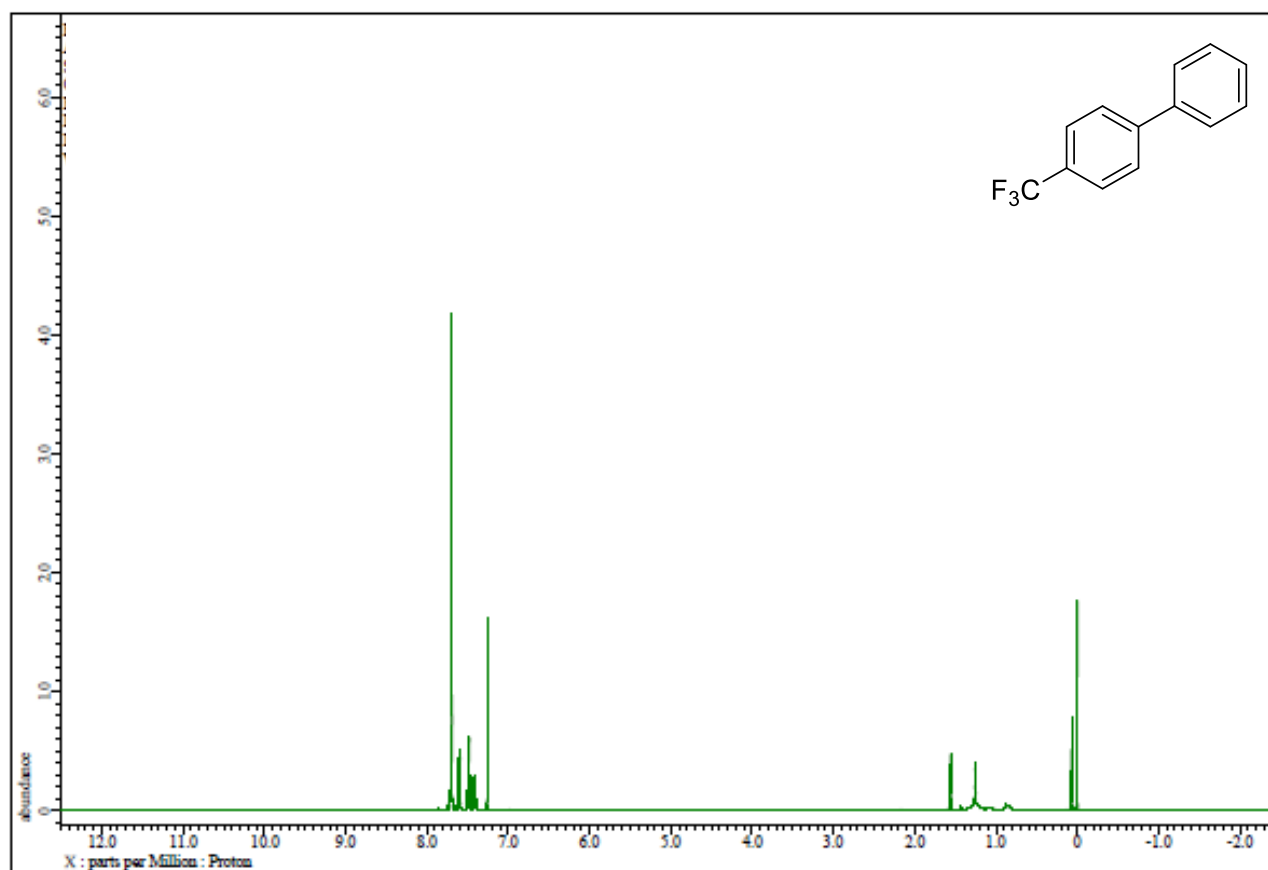


Figure S6. ¹H and ¹³C NMR spectra of 4-trifluoromethylbiphenyl.

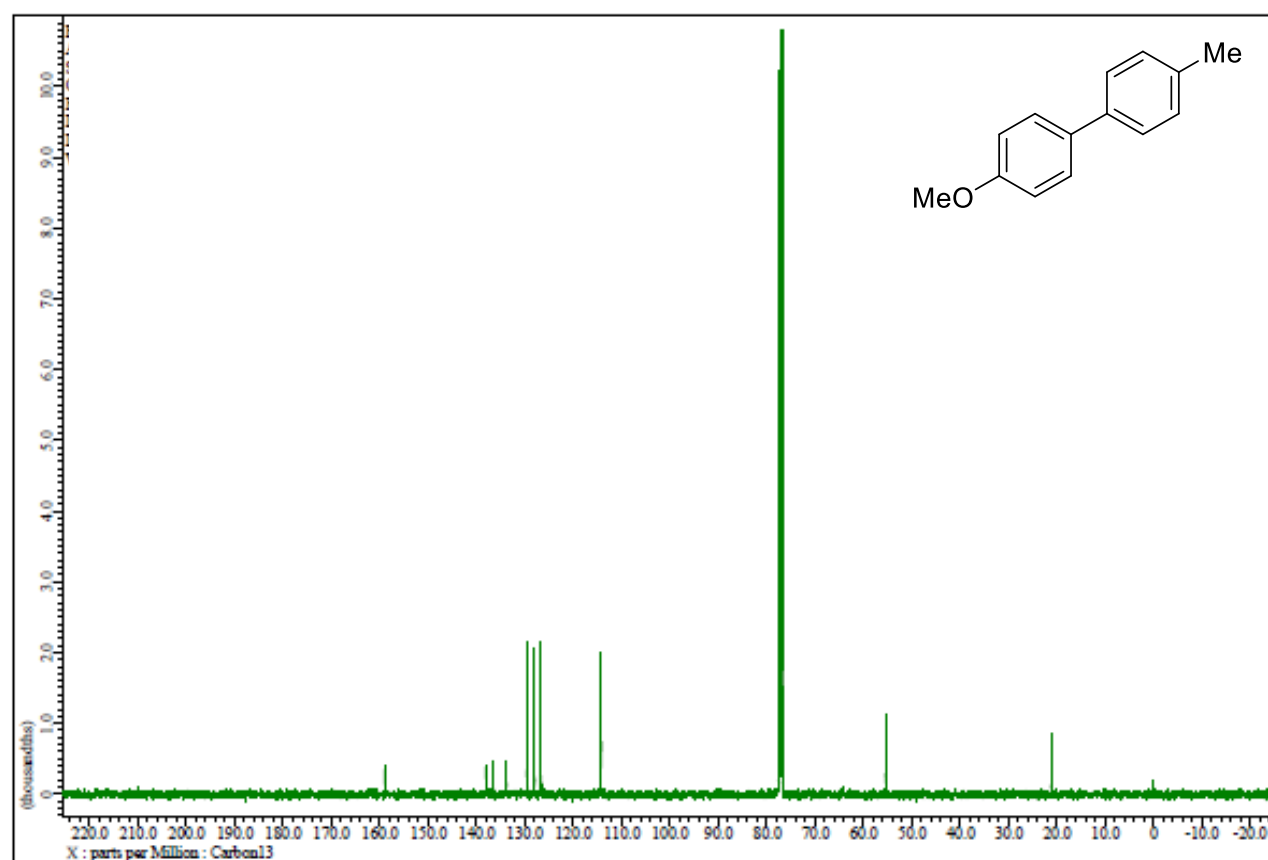
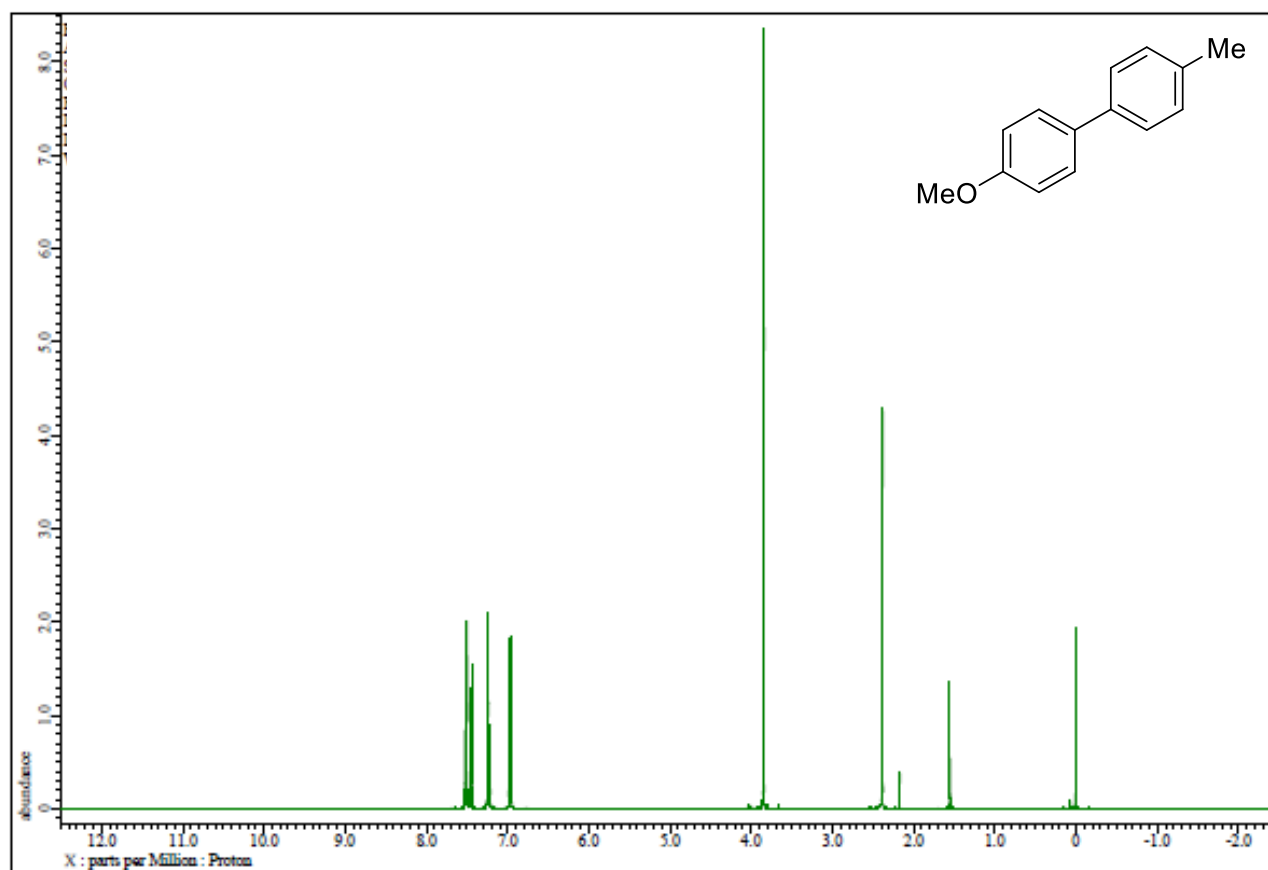


Figure S7. ¹H and ¹³C NMR spectra of 4-methoxy-4'-methylbiphenyl.

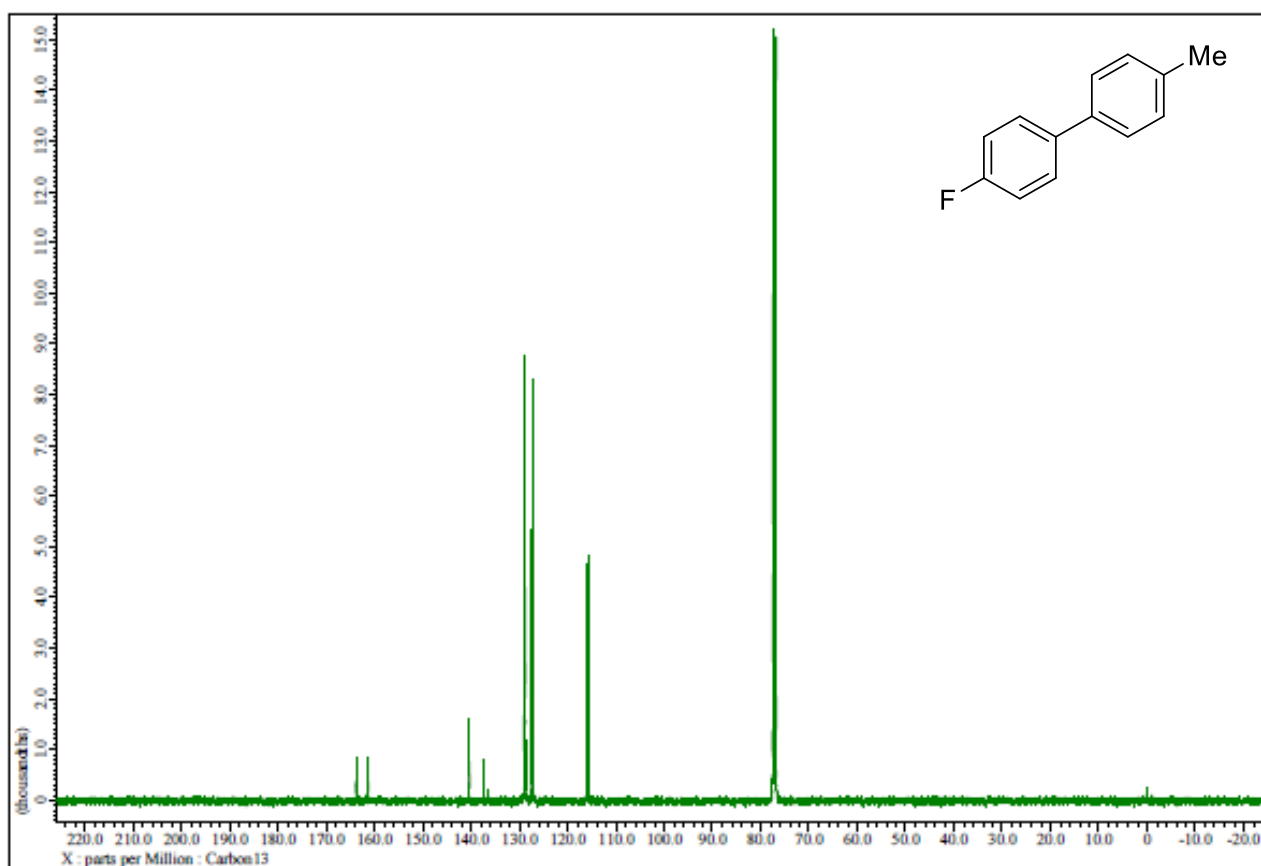
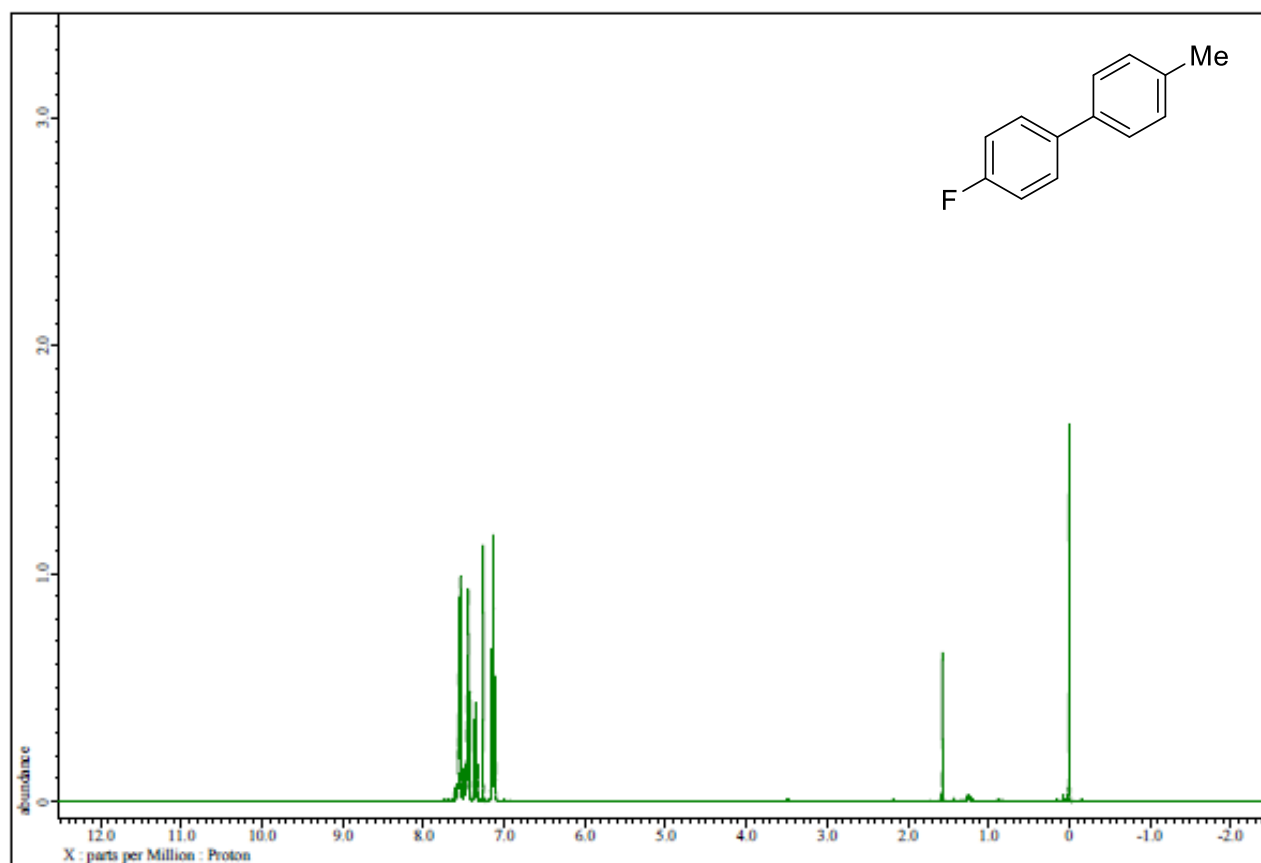


Figure S8. ¹H and ¹³C NMR spectra of 4-fluoro-4'-methylbiphenyl.

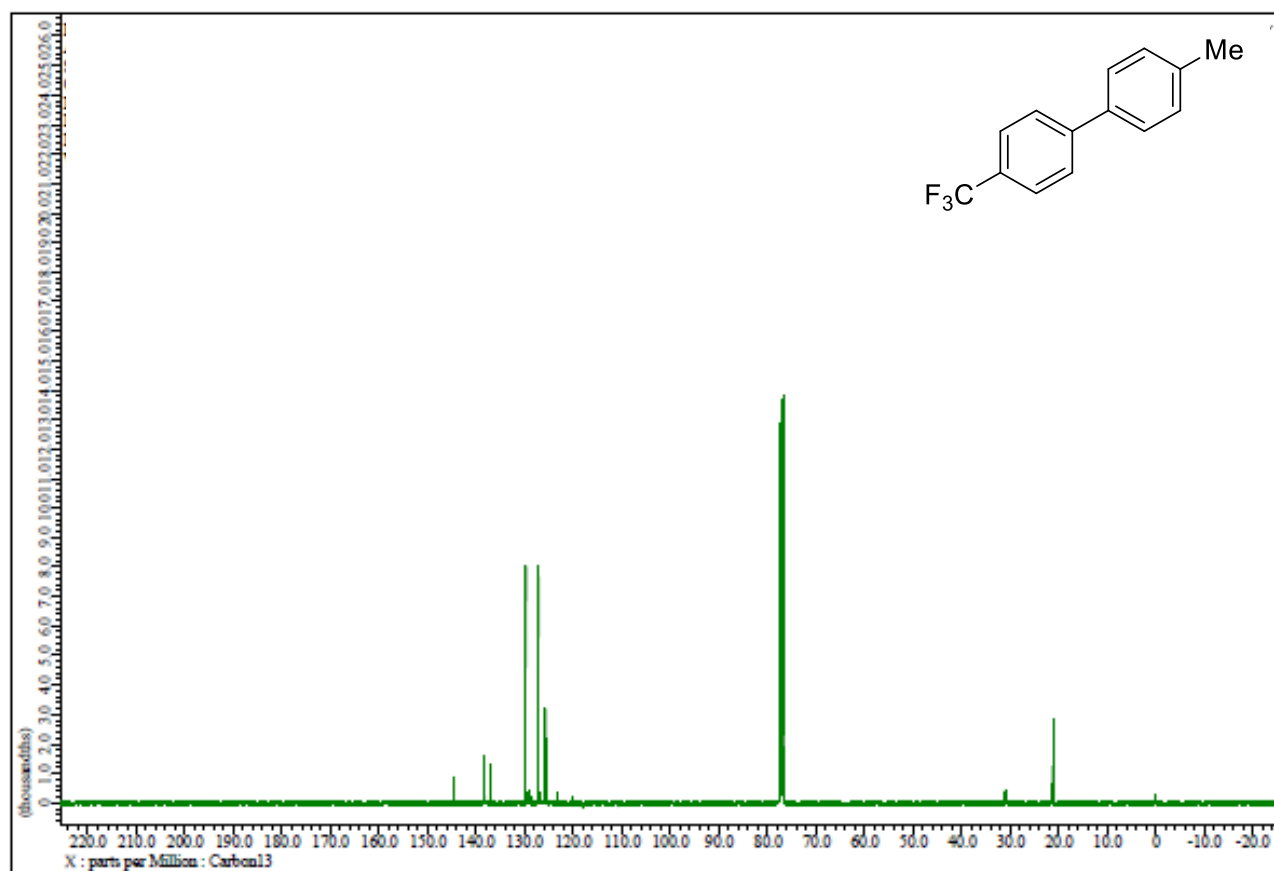
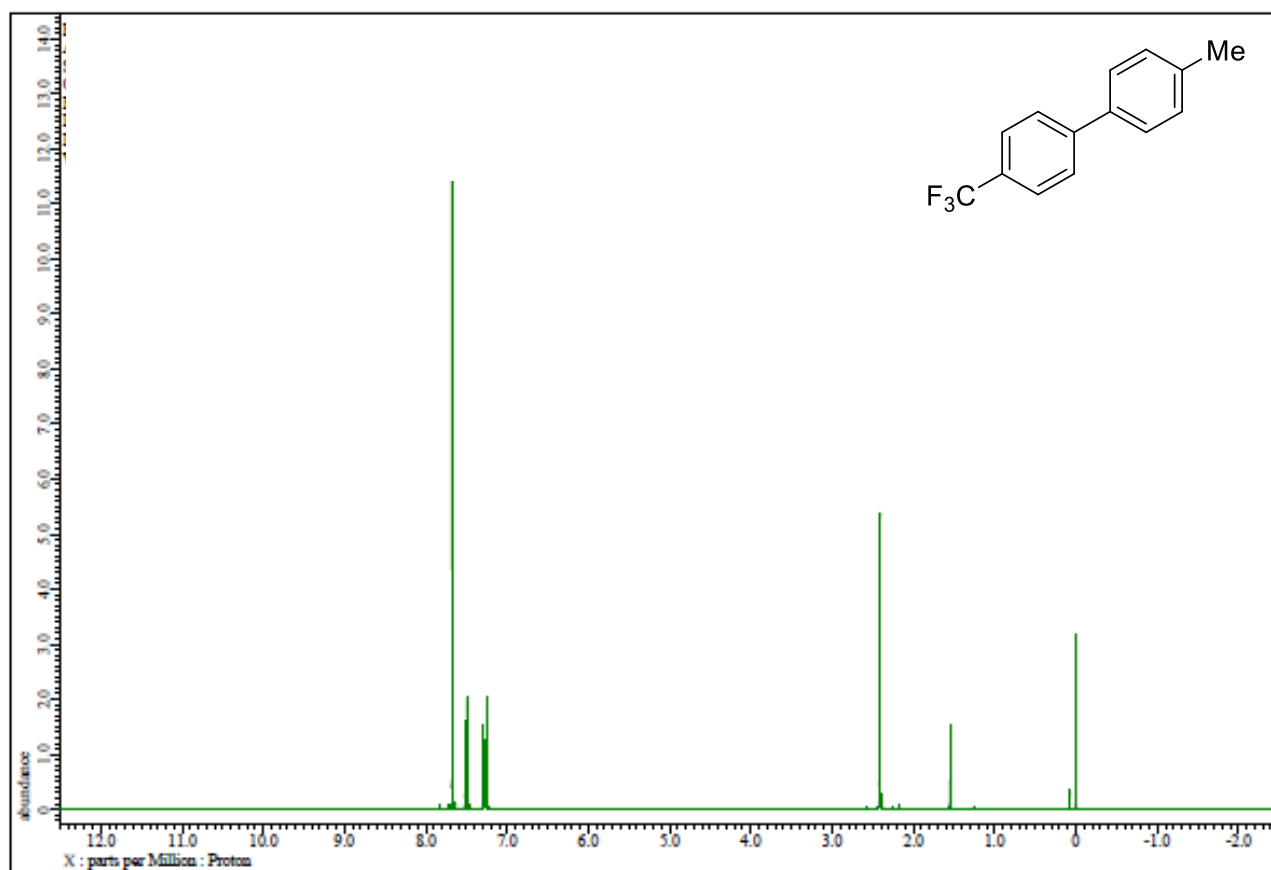


Figure S9. ¹H and ¹³C NMR spectra of 4-Methyl-4'-(trifluoromethyl)biphenyl.

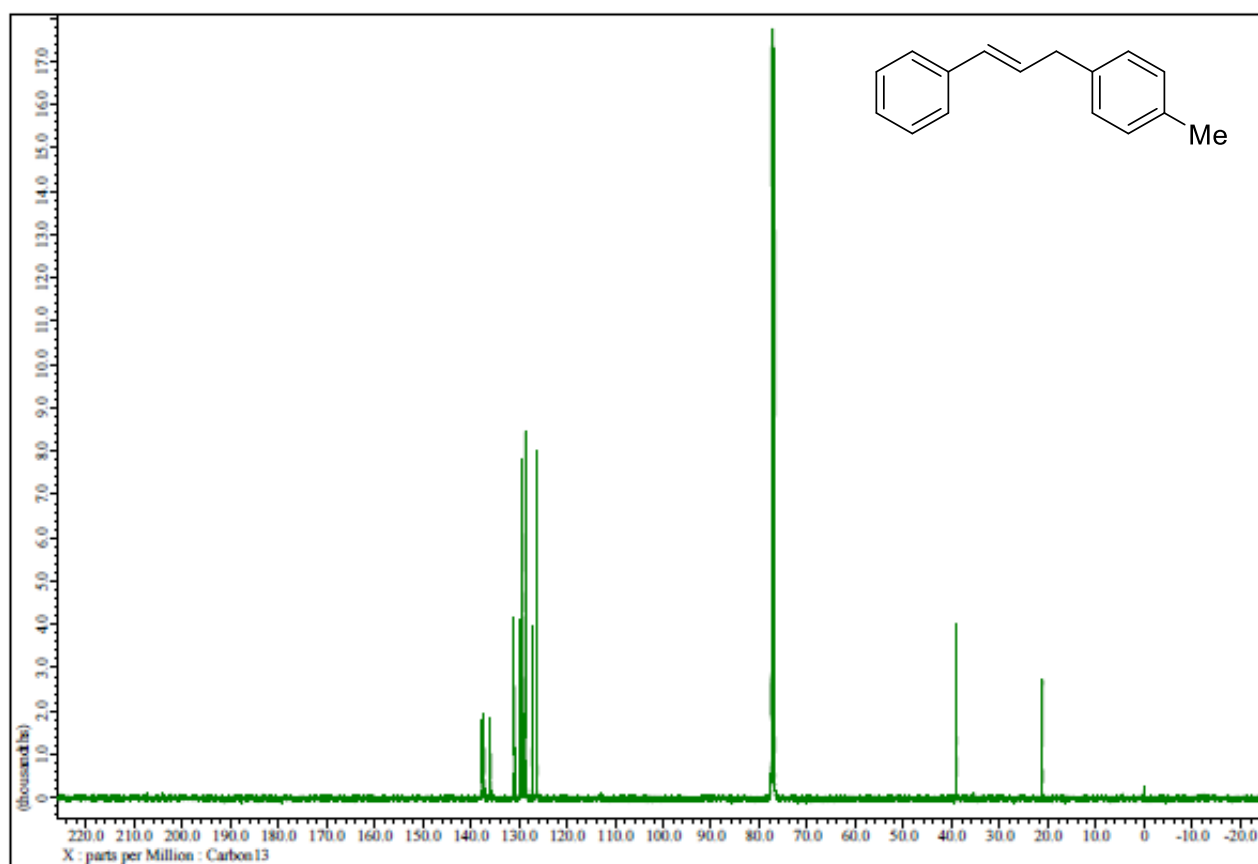
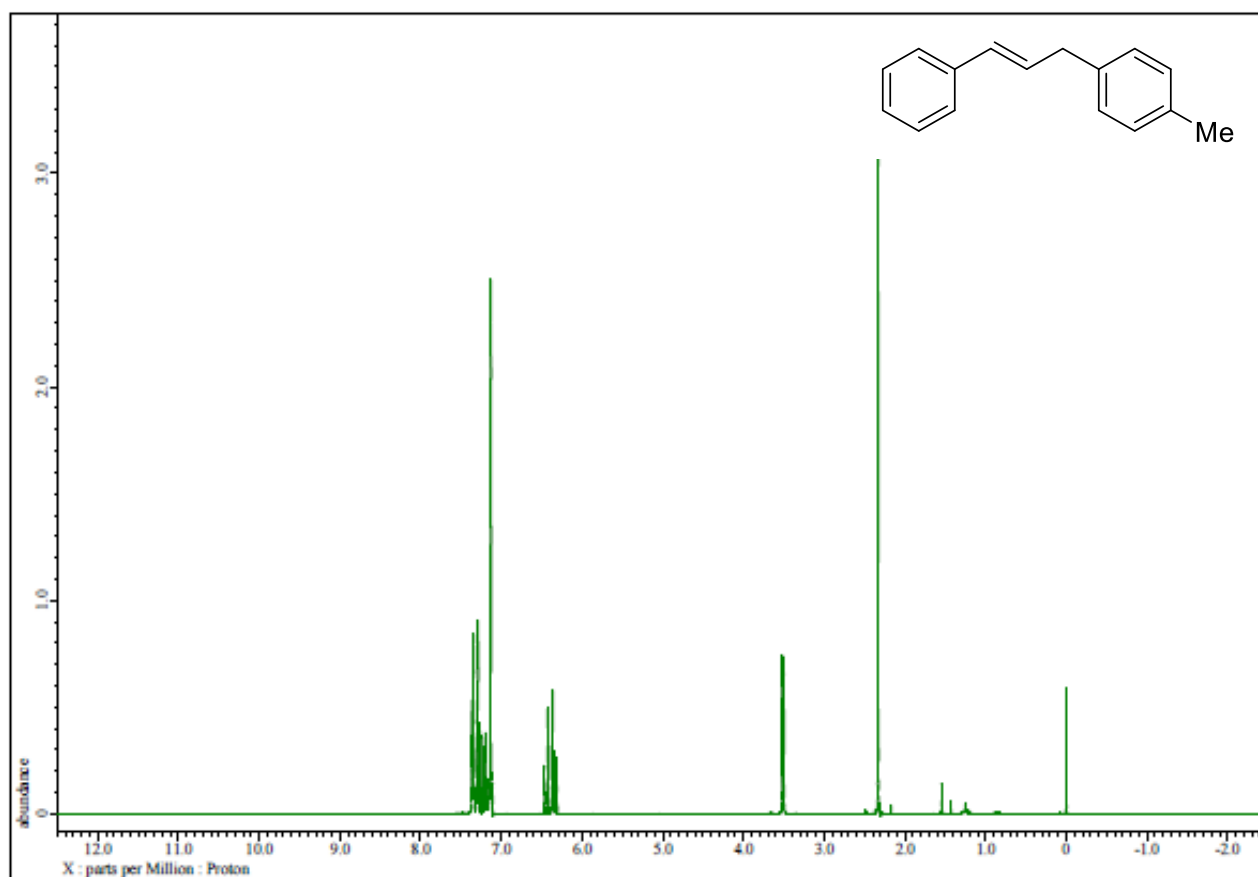


Figure S10. ¹H and ¹³C NMR spectra of (E)-3-(4-methylphenyl)-1-phenylpropene.

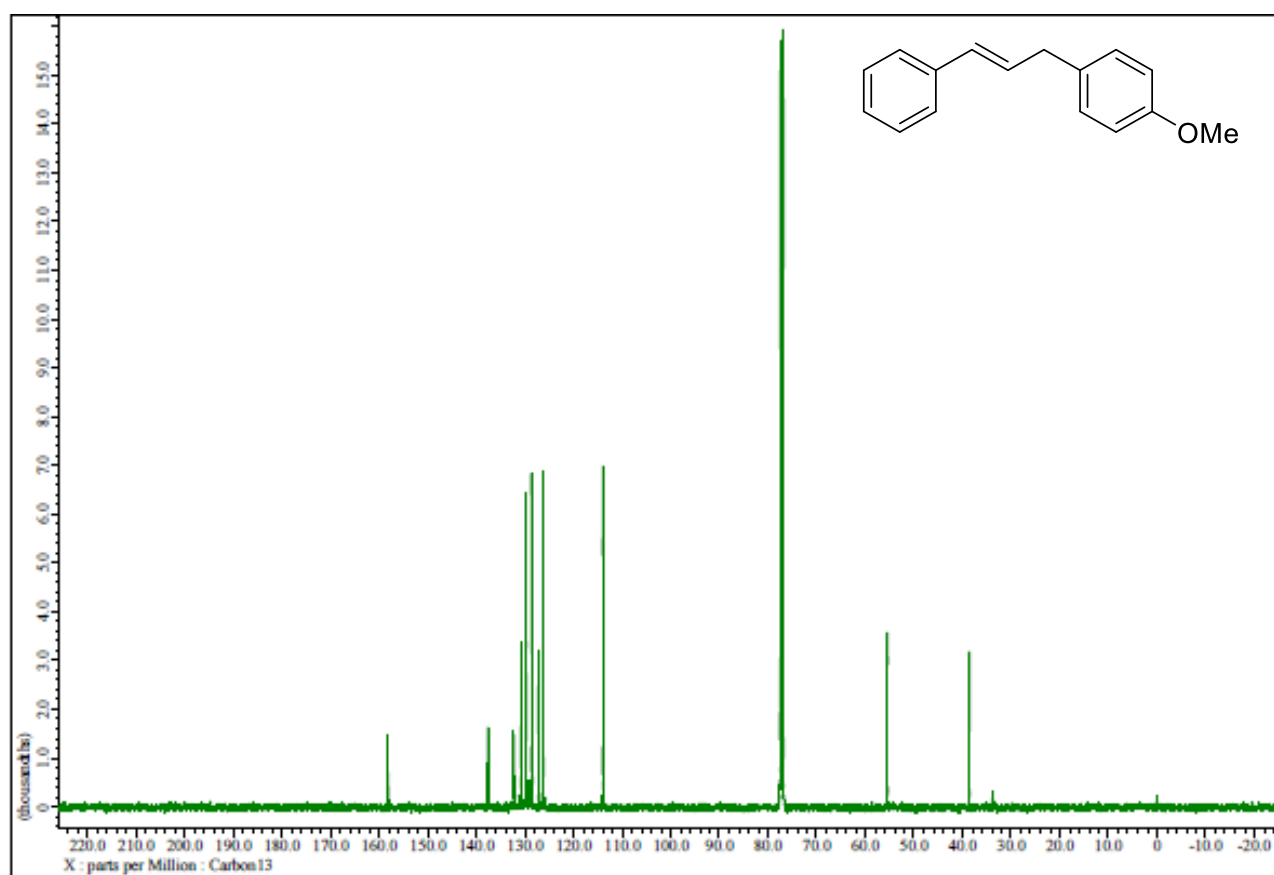
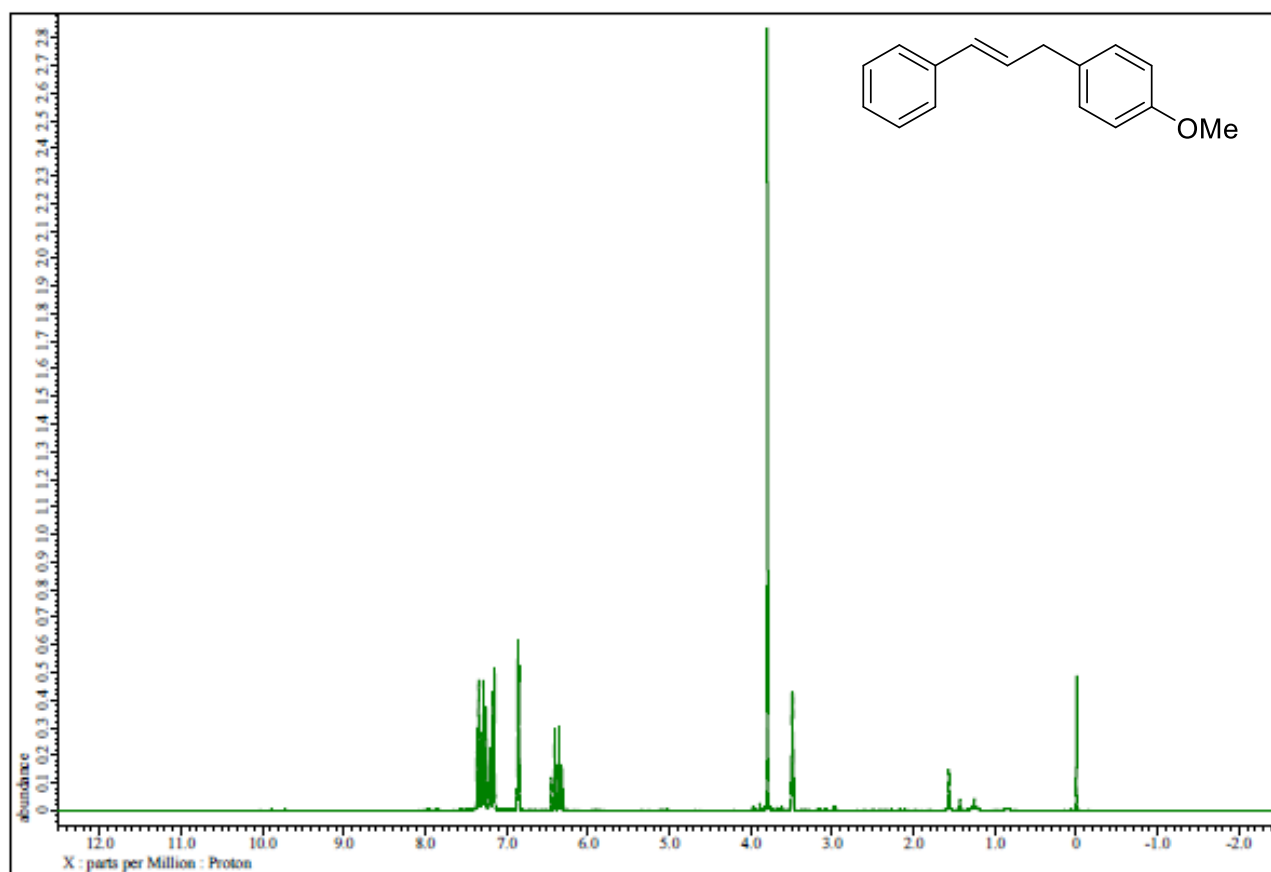


Figure S11. ¹H and ¹³C NMR spectra of (E)-3-(4-methoxyphenyl)-1-phenylpropene.

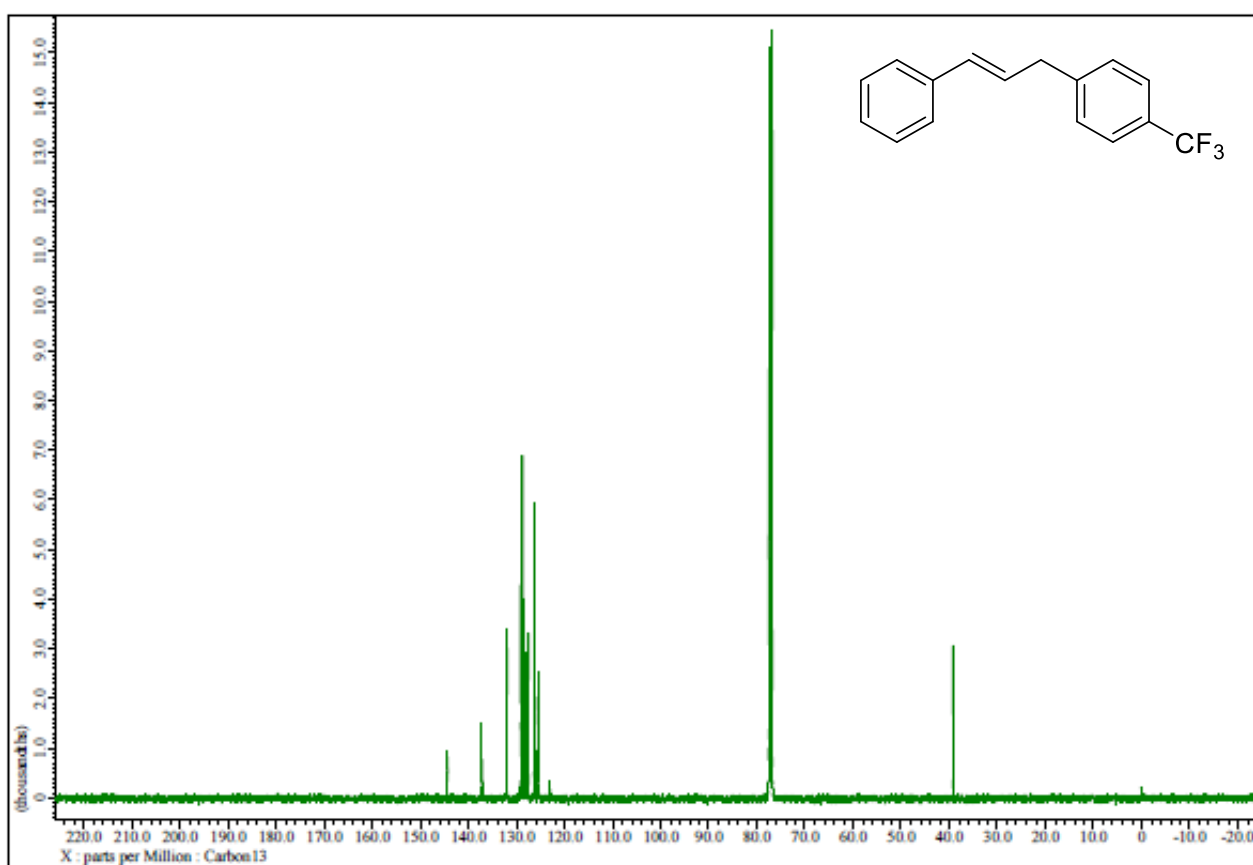
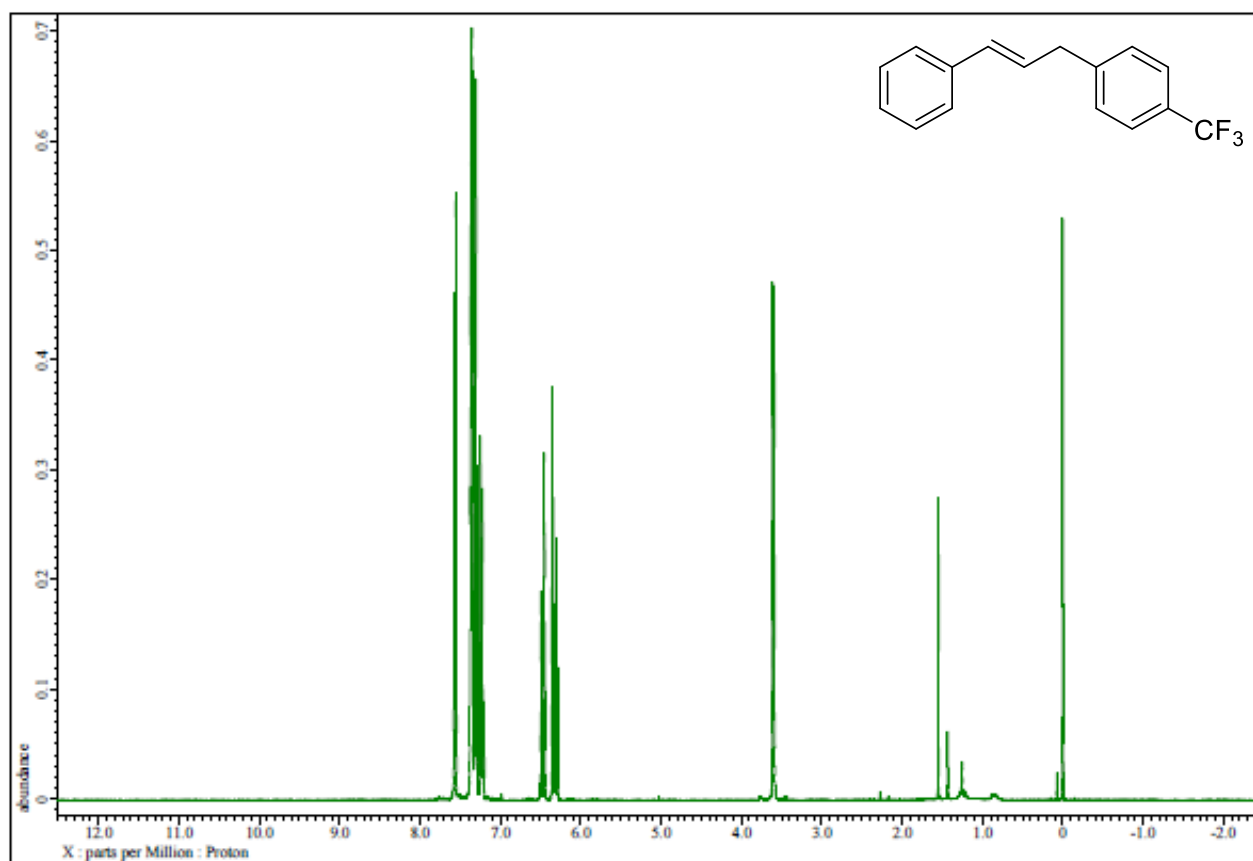


Figure S12. ¹H and ¹³C NMR spectra of (E)-3-(4-trifluoromethylphenyl)-1-phenylpropene.

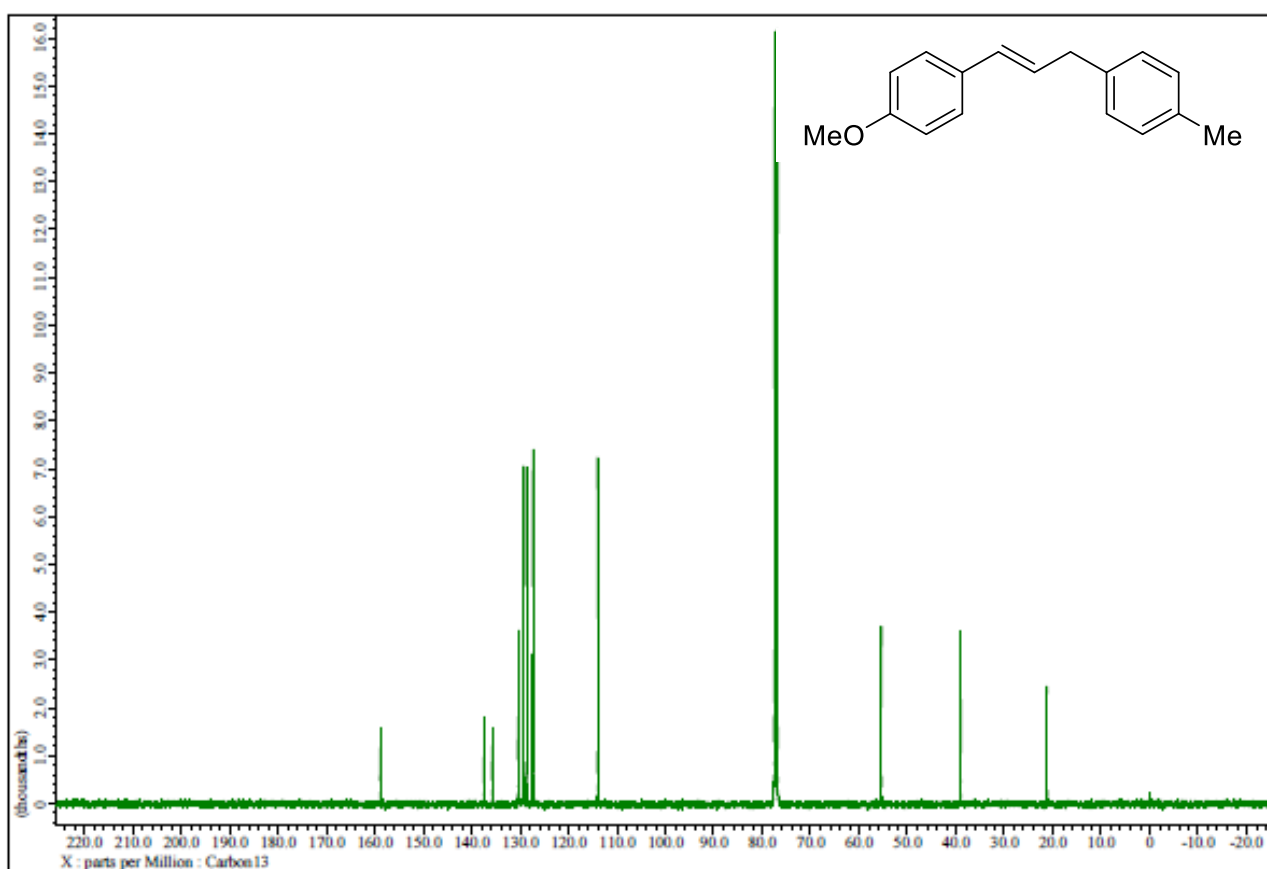
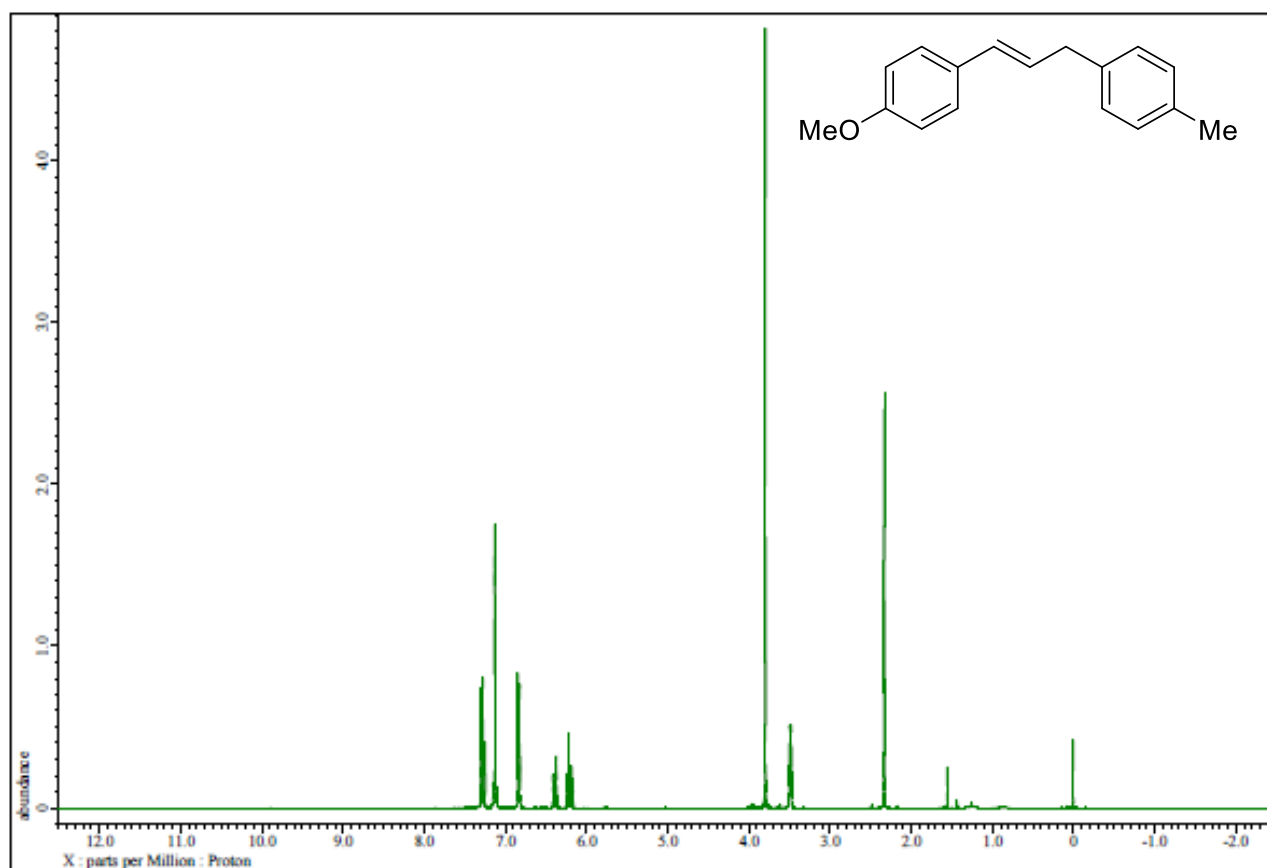


Figure S13. ¹H and ¹³C NMR spectra of (*E*)-1-(4-methoxyphenyl)-3-(4-methylphenyl)propene.

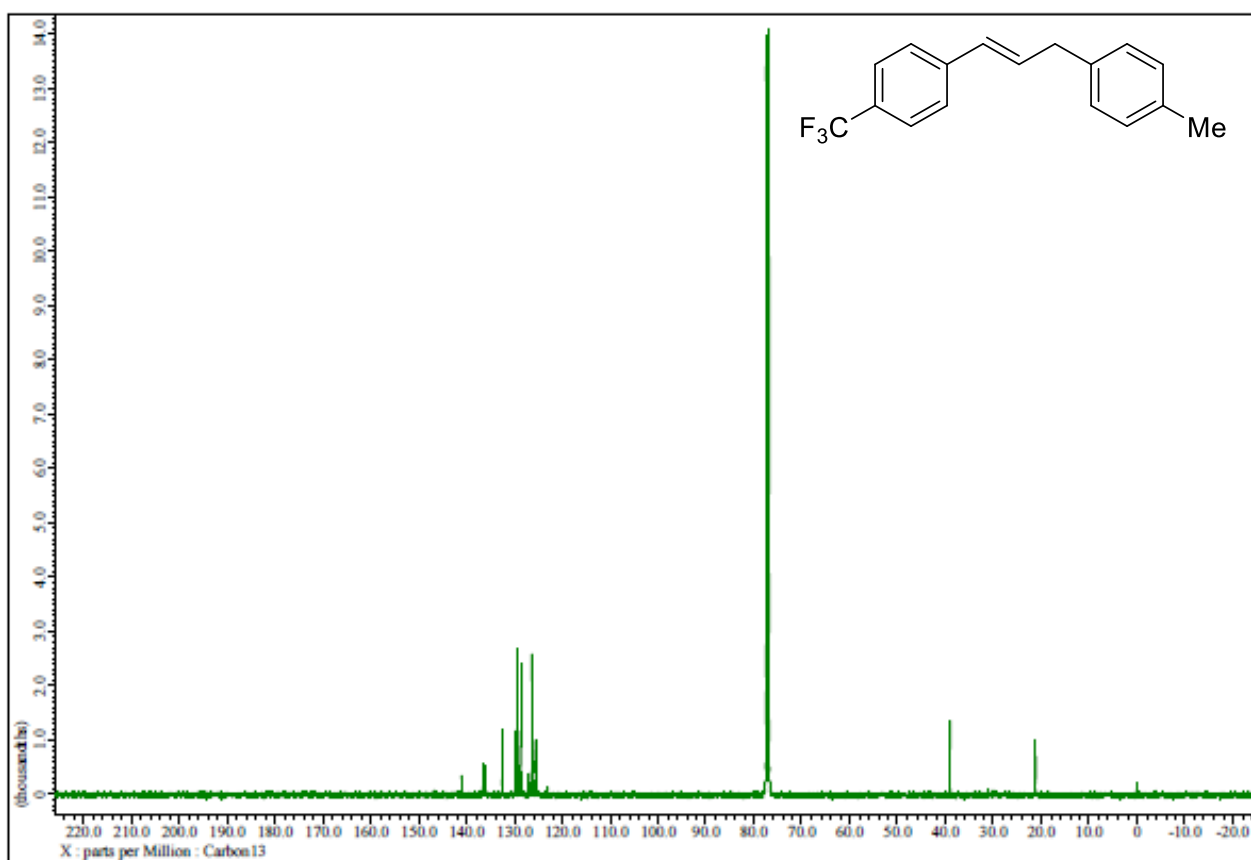
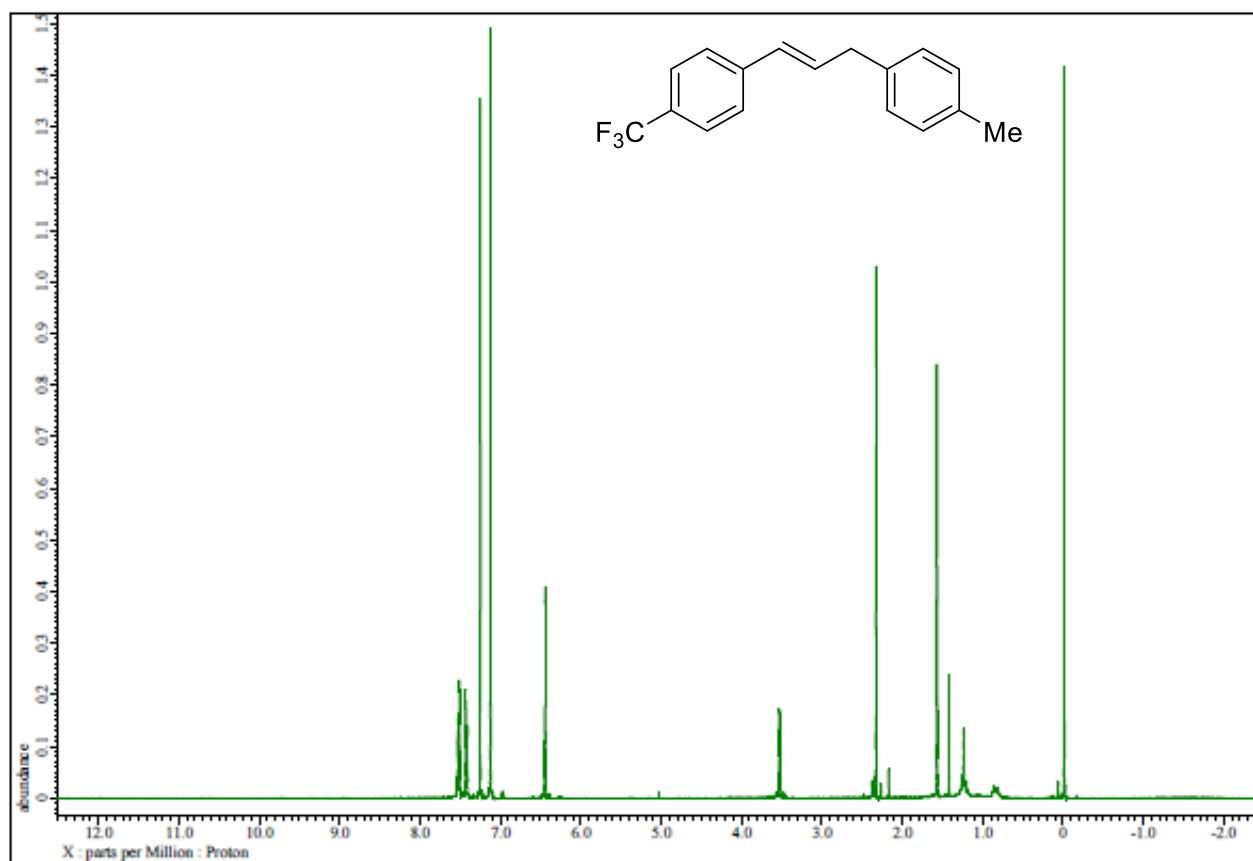


Figure S14. ¹H and ¹³C NMR spectra of (E)-1-(4-methoxyphenyl)-3-(4-methylphenyl)propene.