Base-Promoted Domino Reaction of 5-Substituted 2-Nitrosophenols with Bromomethyl Aryl Ketones: A Transition-Metal-Free Approach to 2-Aroylbenzoxazoles

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Supporting Information

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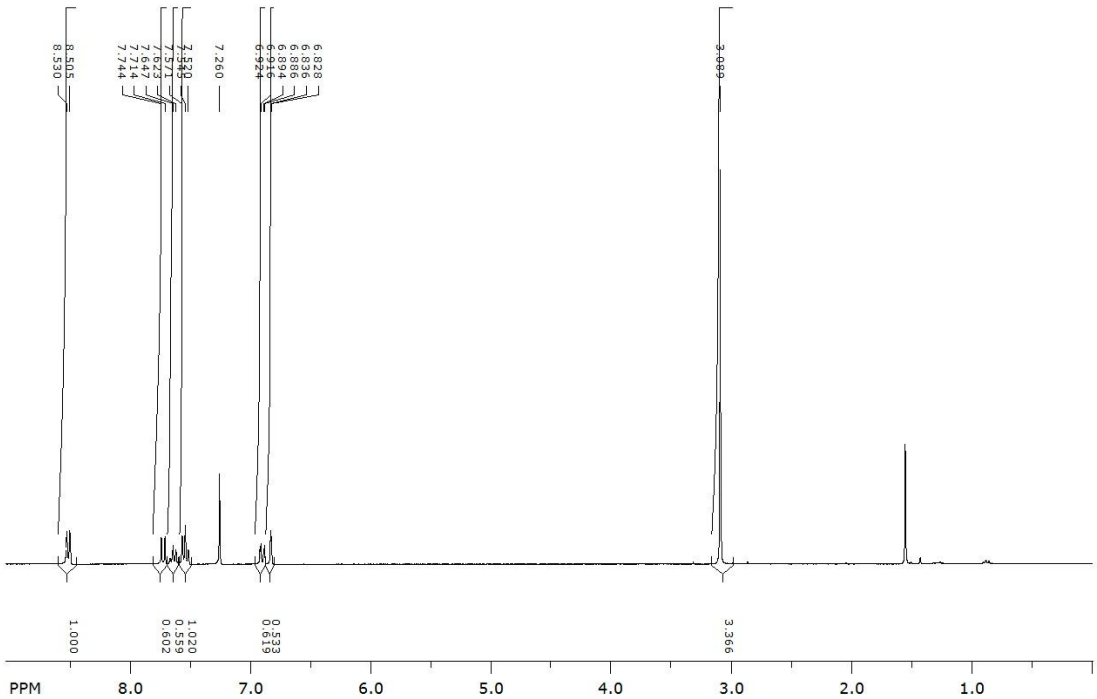


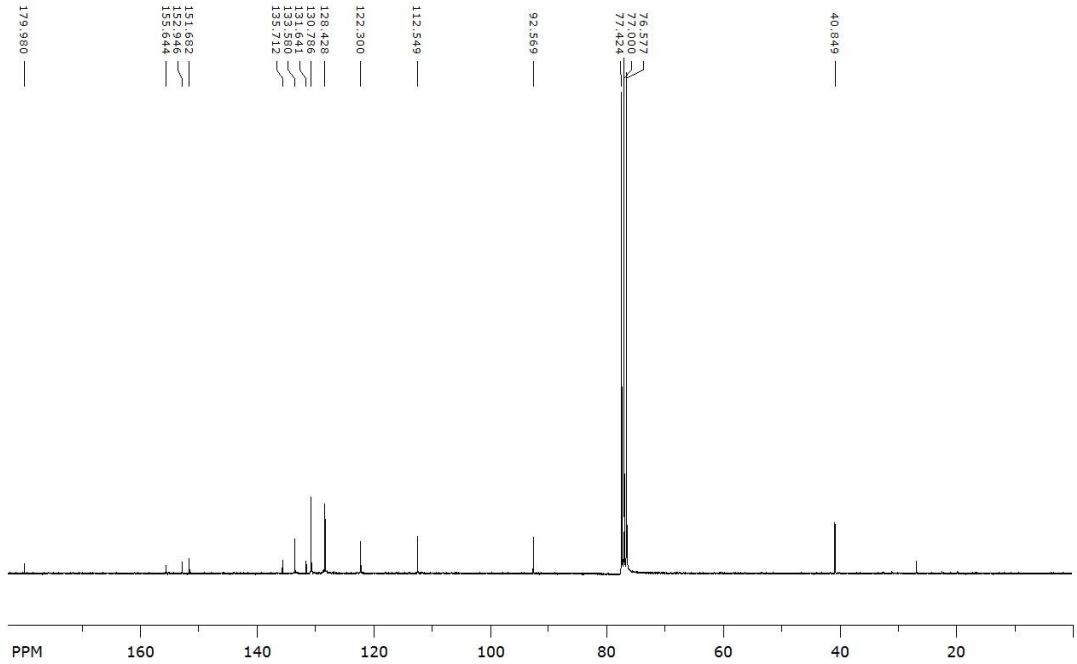
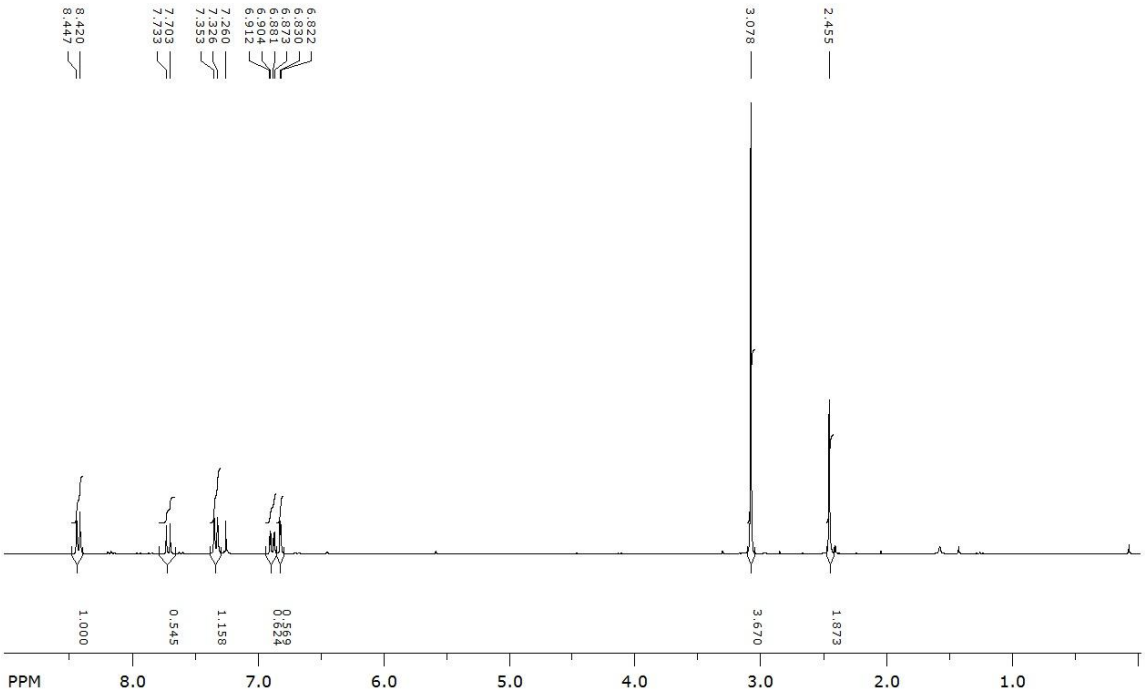


Figure 1. ^{1}H (300 MHz) and ^{13}C{^{1}H} (75 MHz) NMR spectra of **7a** in $CDCl_3$; **7a** was obtained from the reaction between **5a** and **6a**.



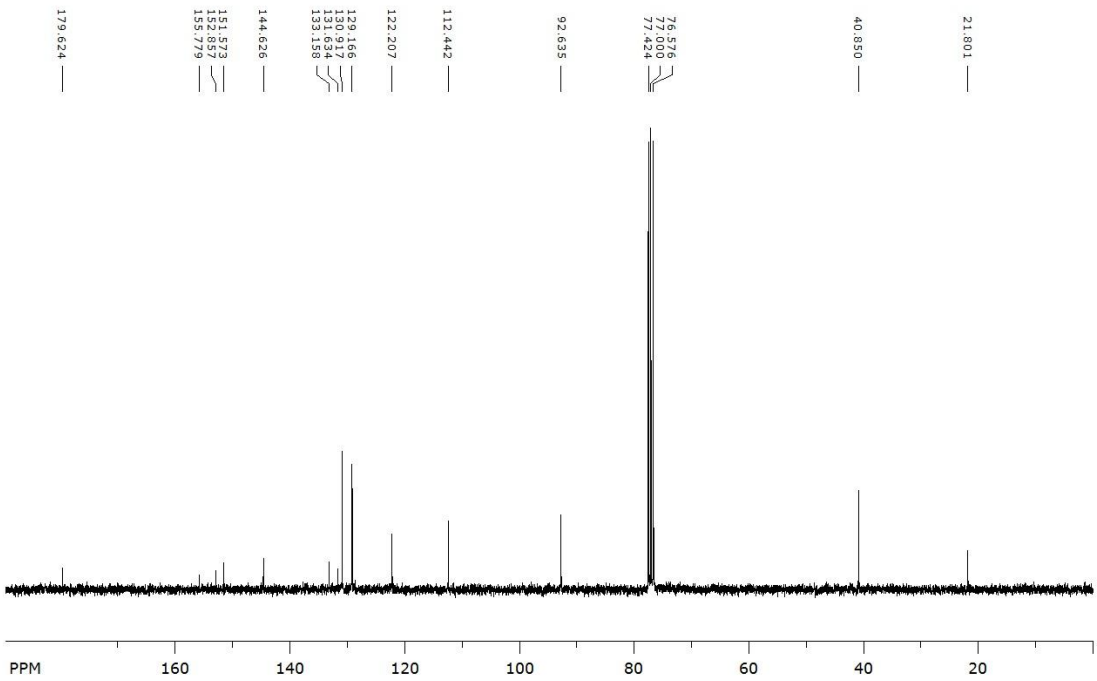


Figure 2. ^{1}H (300 MHz) and $^{13}C\{^{1}H\}$ (75 MHz) NMR spectra of **7b** in $CDCl_3$.

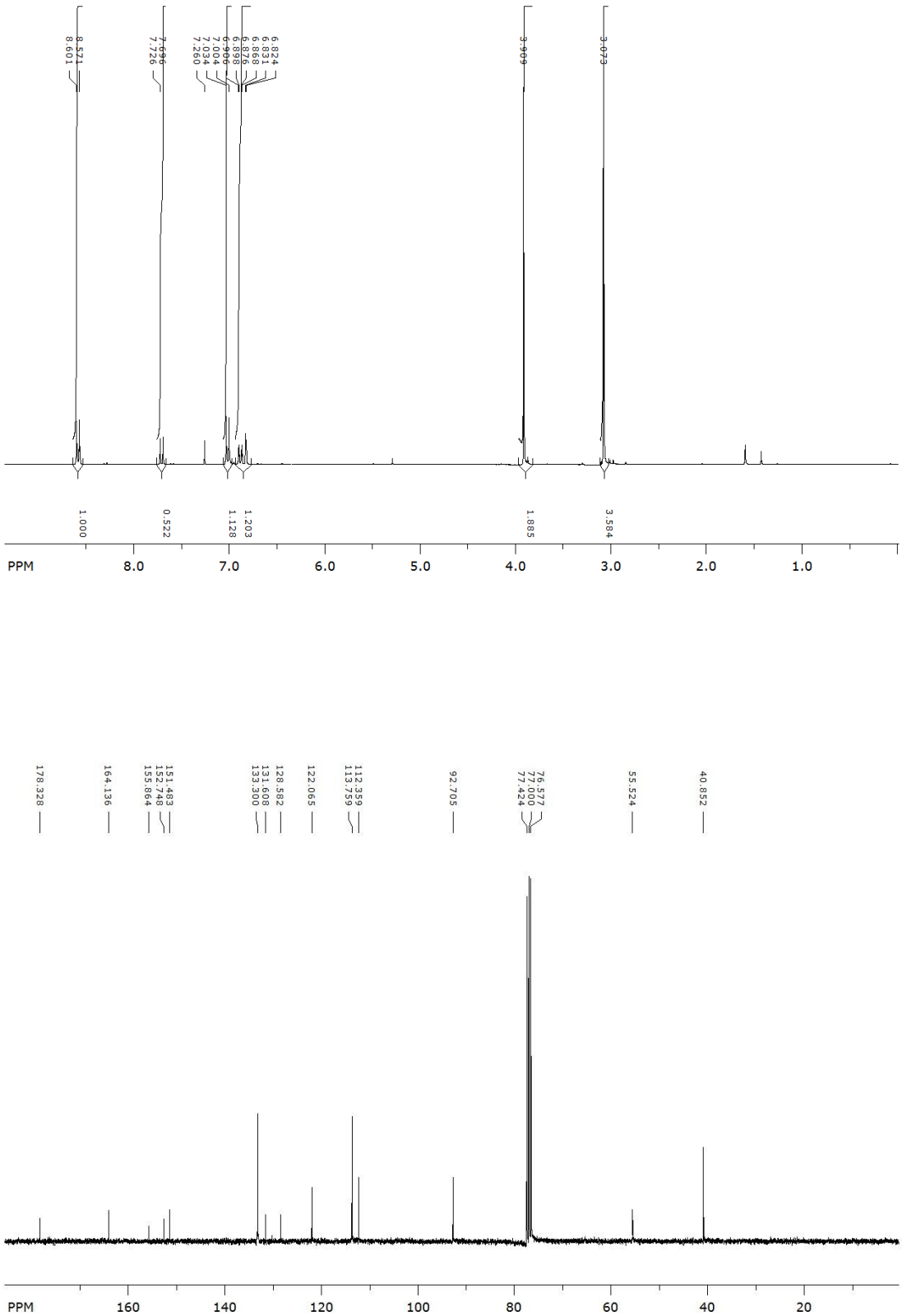


Figure 3.^{1}H (300 MHz) and ^{13}C{^{1}H} (75 MHz) NMR spectra of **7c** in $CDCl_3$.

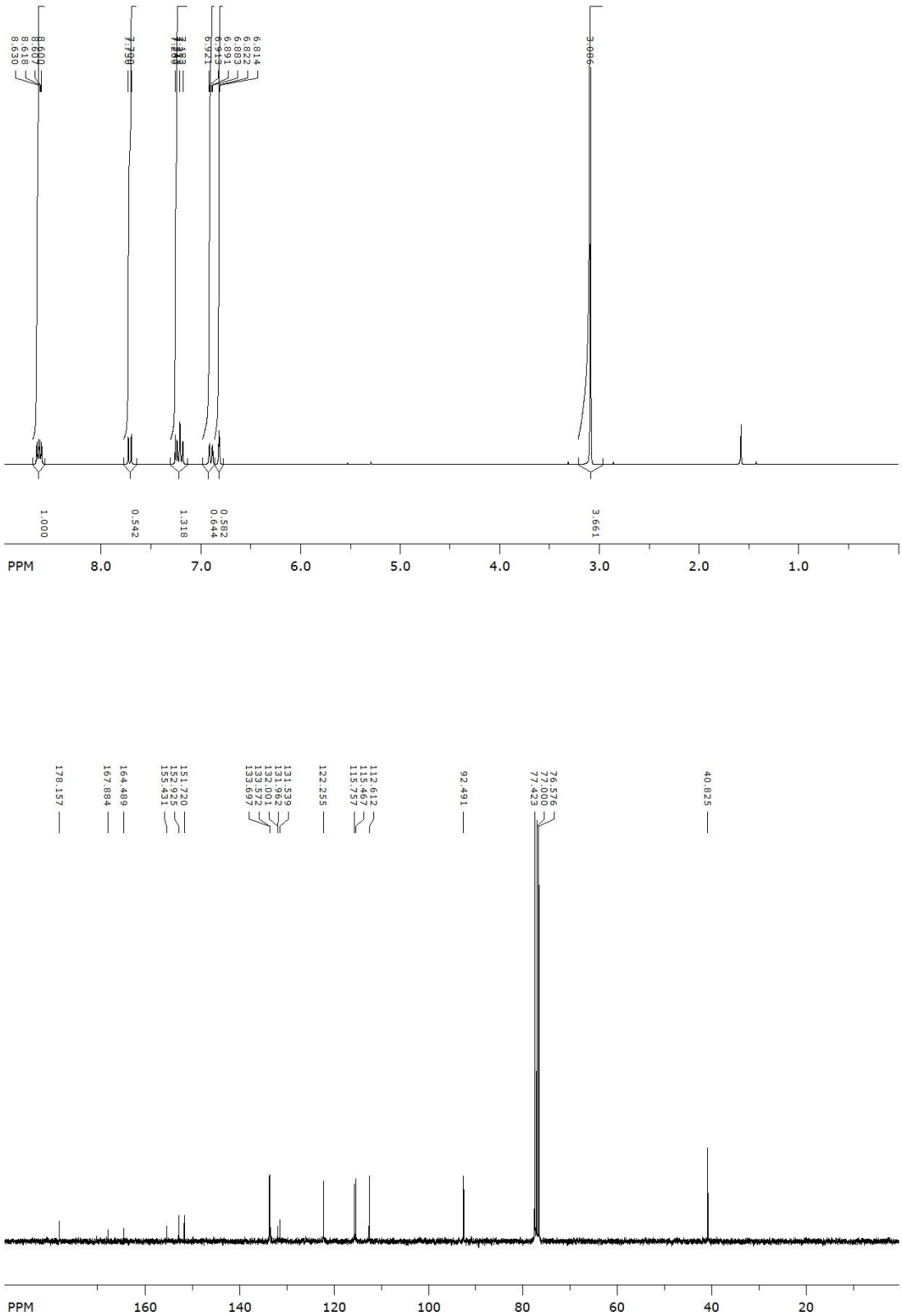


Figure 4. ^{1}H (300 MHz) and $^{13}C\{^{1}H\}$ (75 MHz) NMR spectra of **7d** in $CDCl_3$.

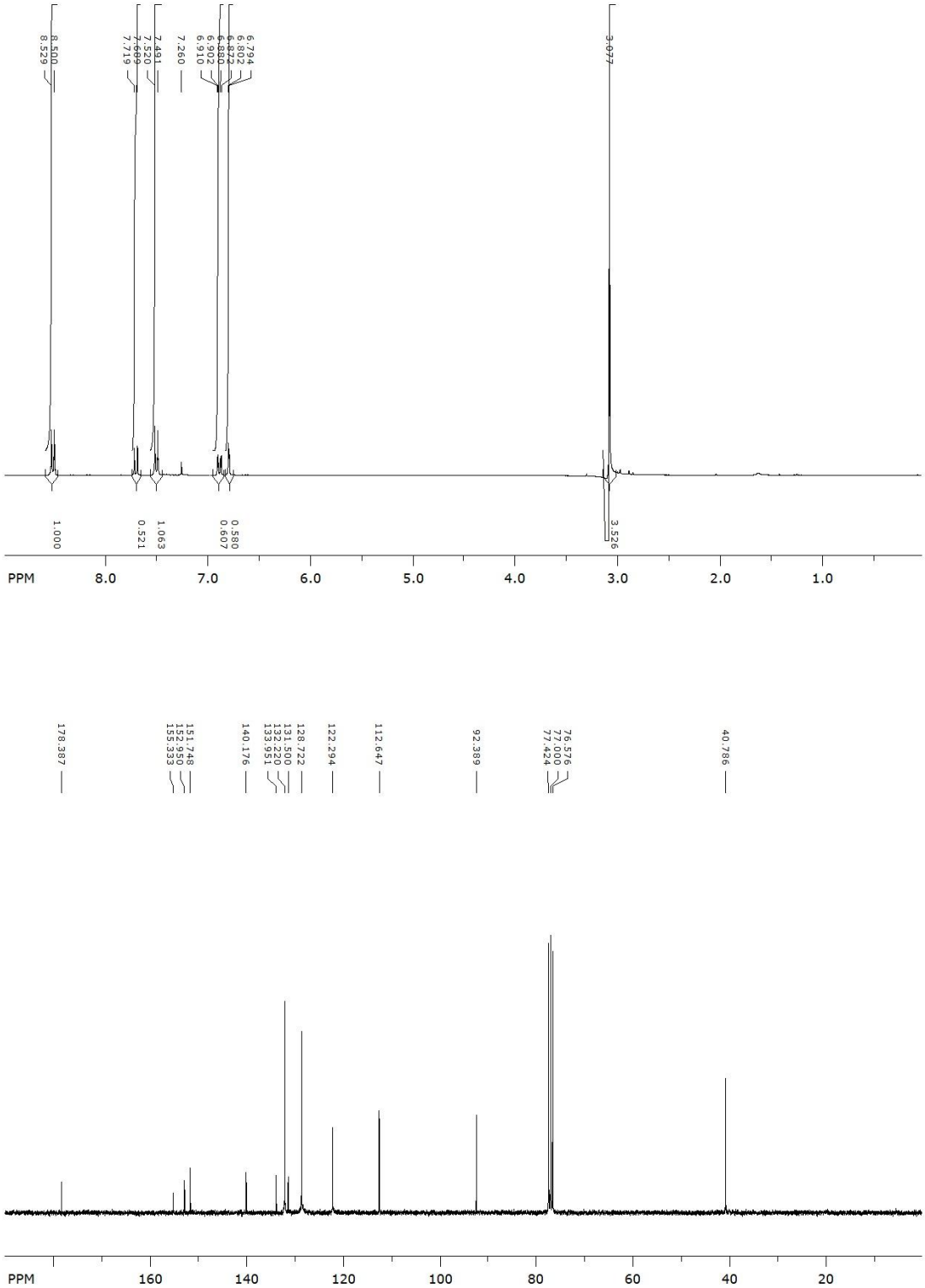


Figure 5. ^{1}H (300 MHz) and $^{13}C\{^{1}H\}$ (75 MHz) NMR spectra of **7e** in $CDCl_3$.

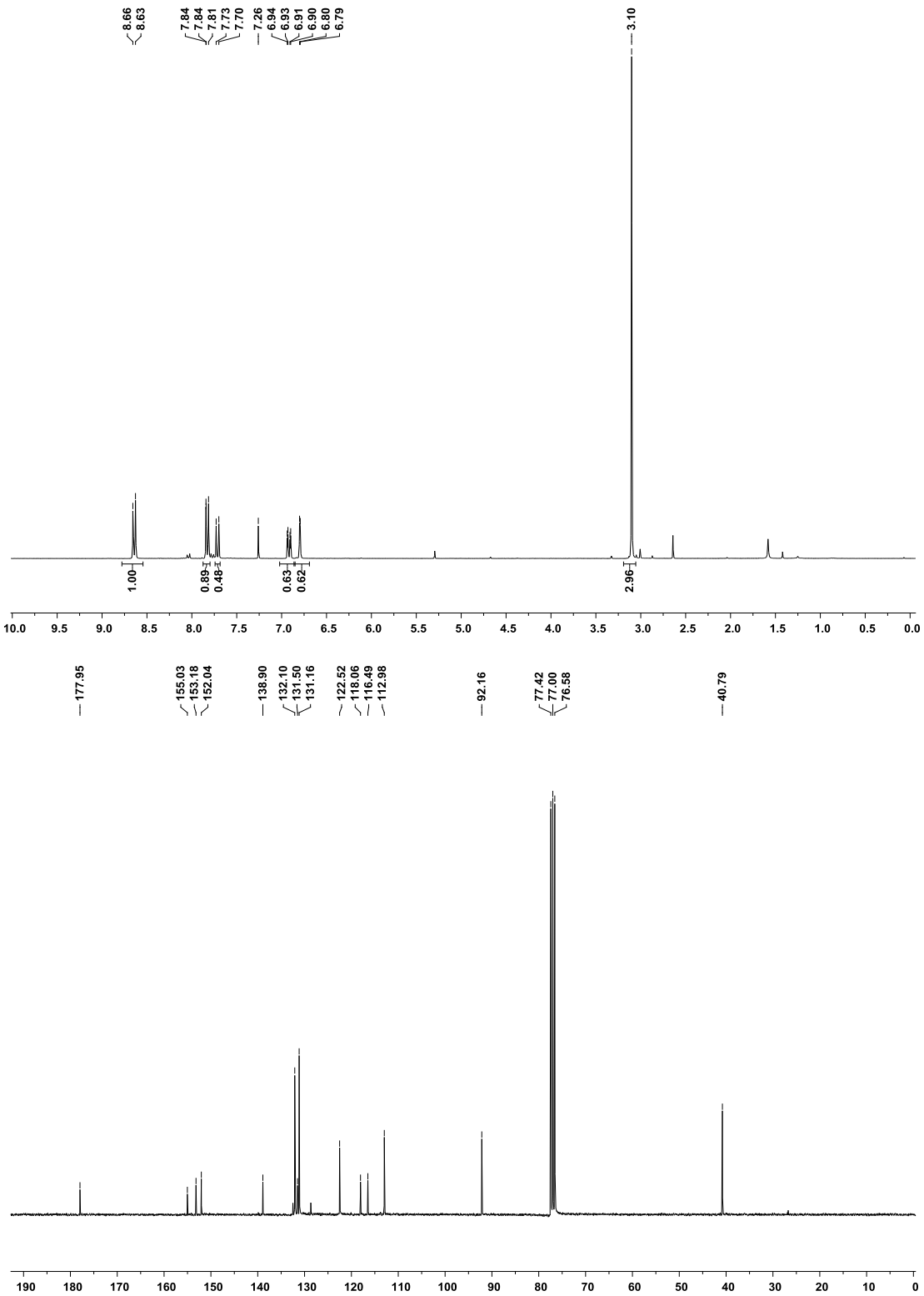
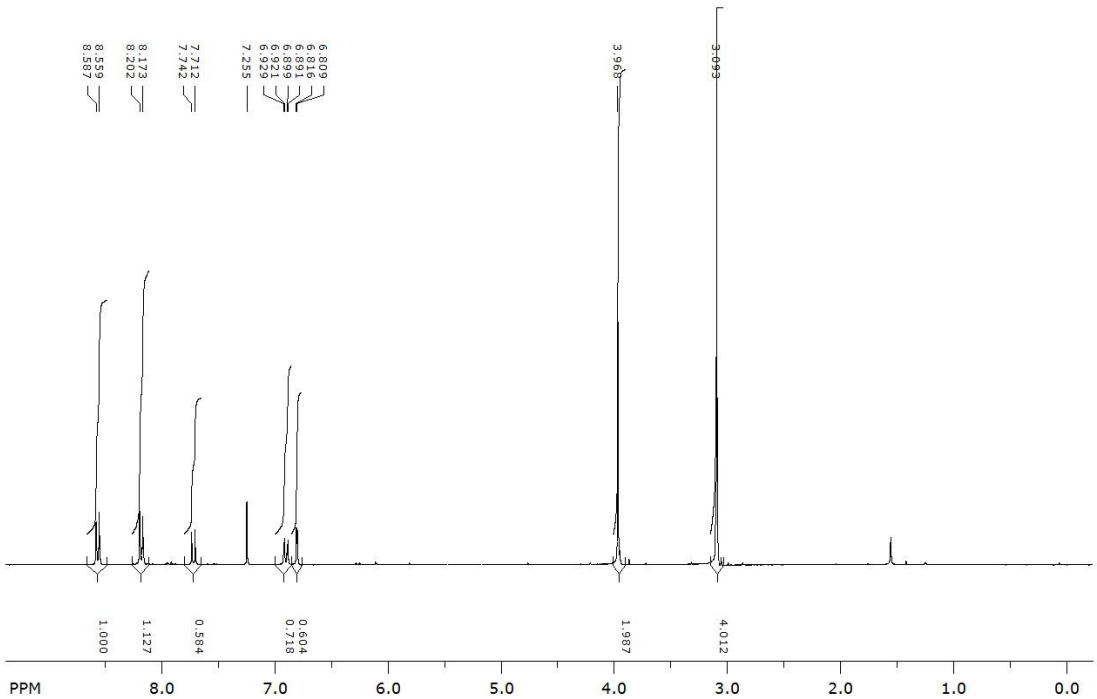


Figure 6. ^{1}H (300 MHz) and $^{13}C\{^{1}H\}$ (75 MHz) NMR spectra of **7f** in $CDCl_3$.



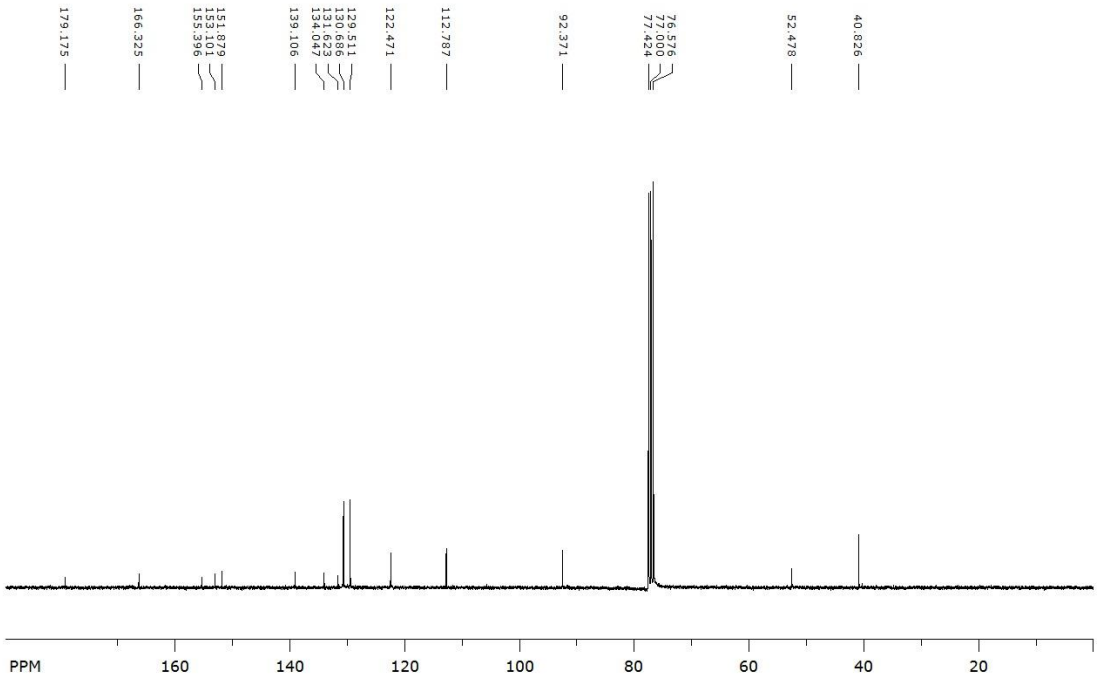
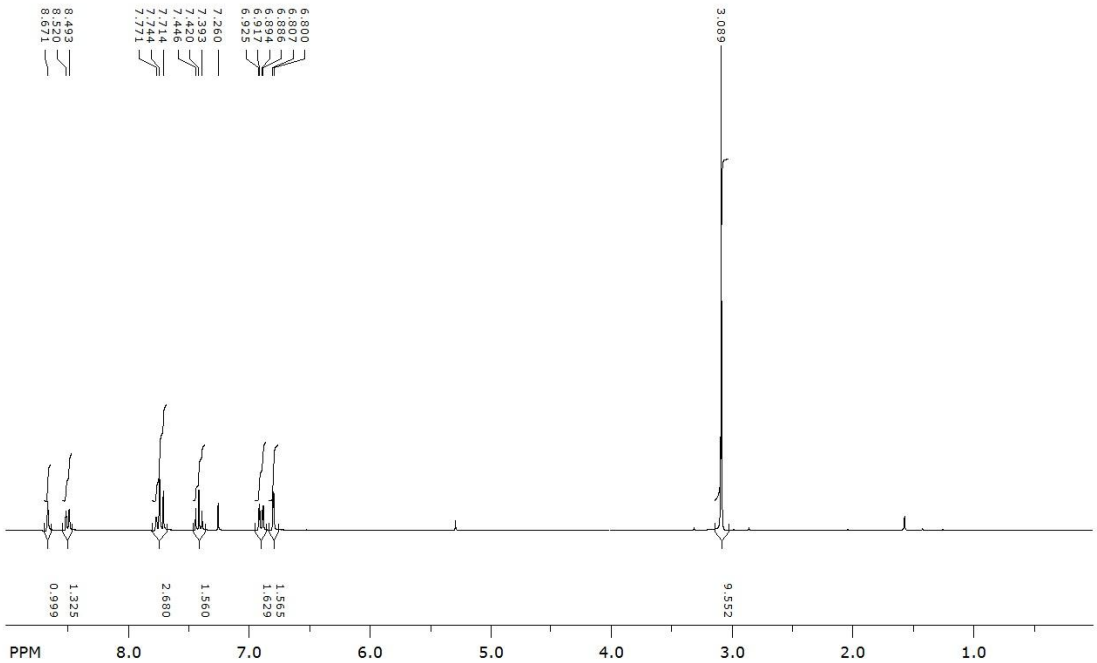


Figure 7.^{1}H (300 MHz) and ^{13}C{^{1}H} (75 MHz) NMR spectra of **7g** in $CDCl_3$.



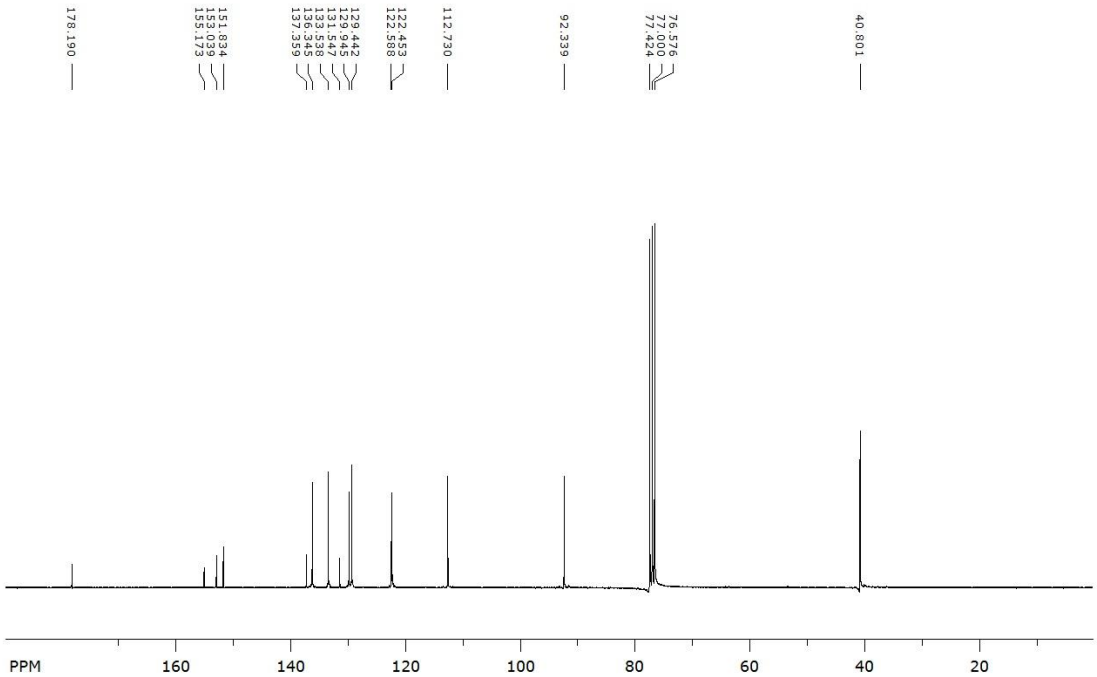
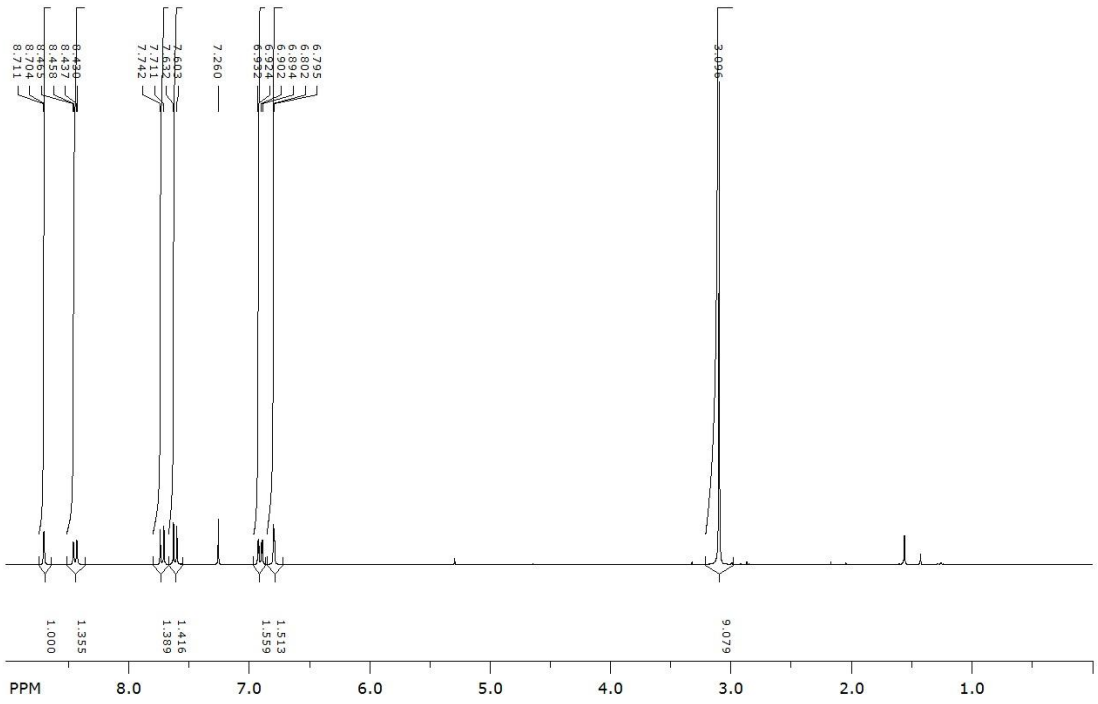


Figure 8. ^{1}H (300 MHz) and $^{13}C\{^{1}H\}$ (75 MHz) NMR spectra of **7h** in $CDCl_3$.



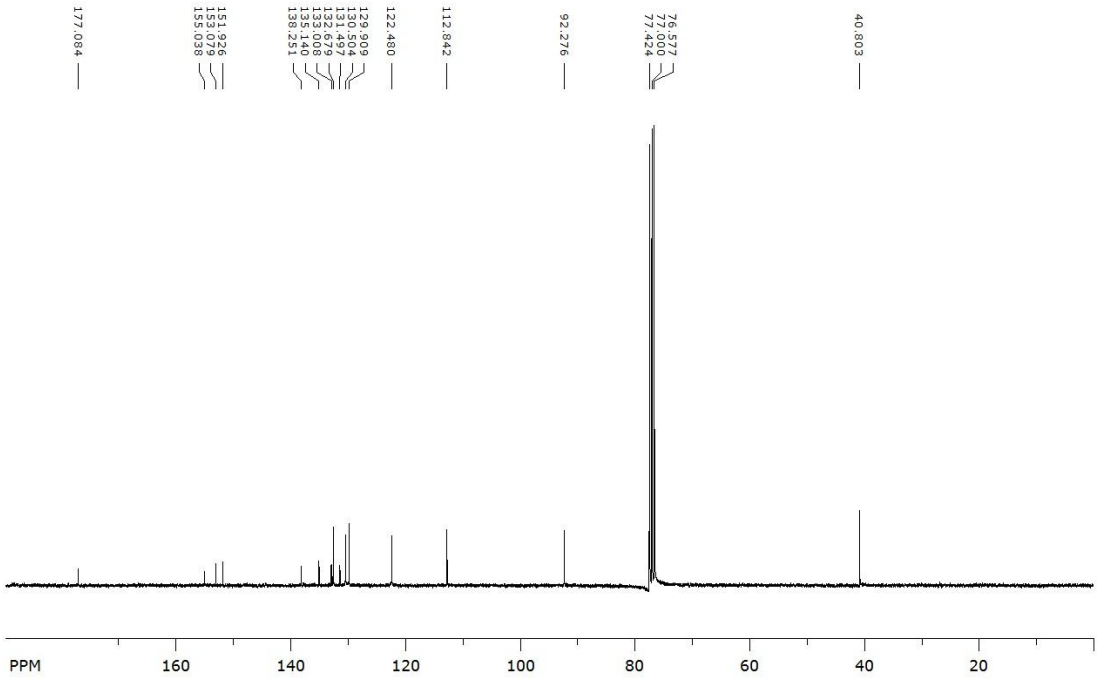


Figure 9. ^{1}H (300 MHz) and ^{13}C{^{1}H} (75 MHz) NMR spectra of **7i** in $CDCl_3$.

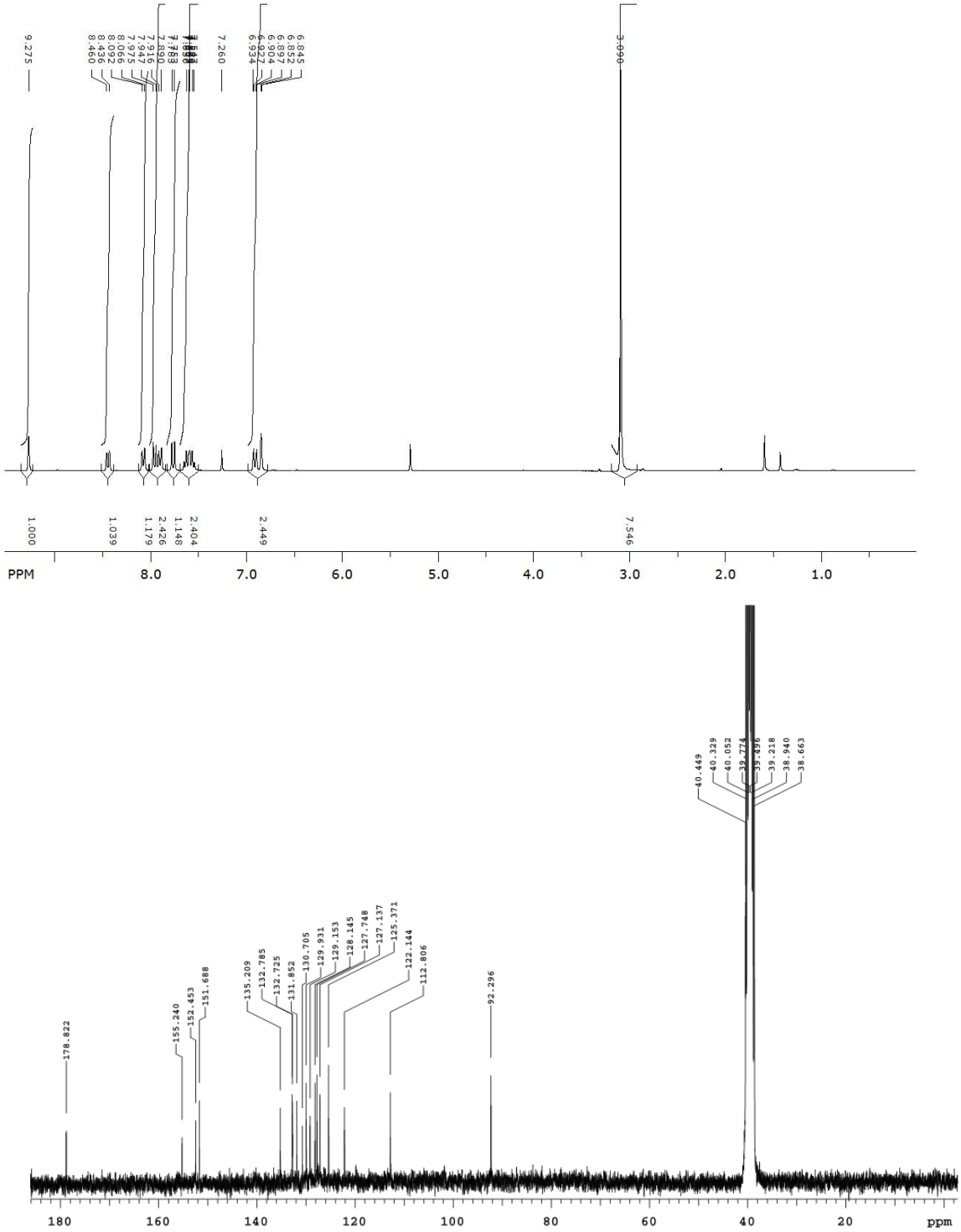


Figure 10. ^{1}H (300 MHz) and ^{13}C{^{1}H} (75 MHz) NMR spectra of **7j** in $CDCl_3$ and DMSO.

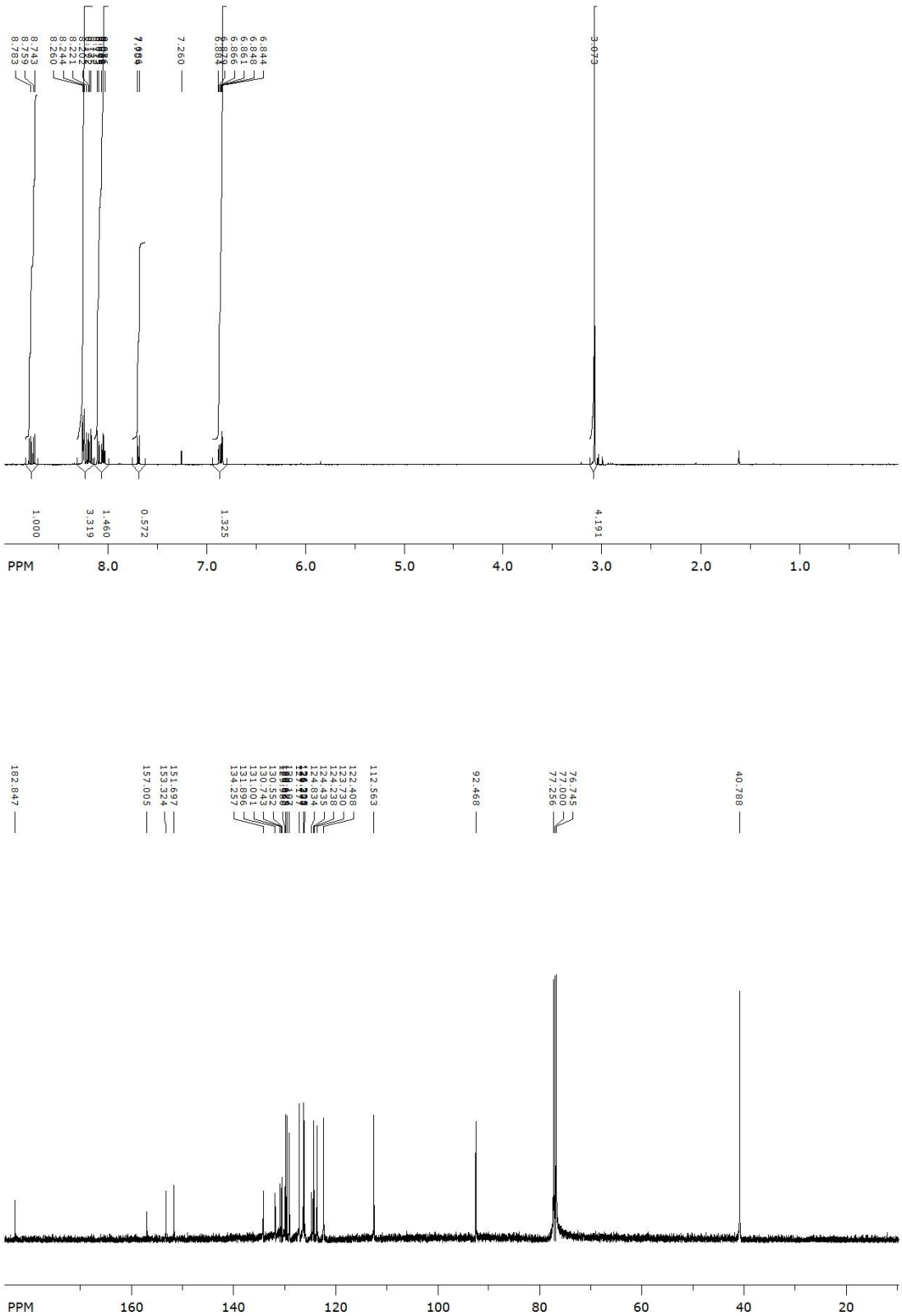
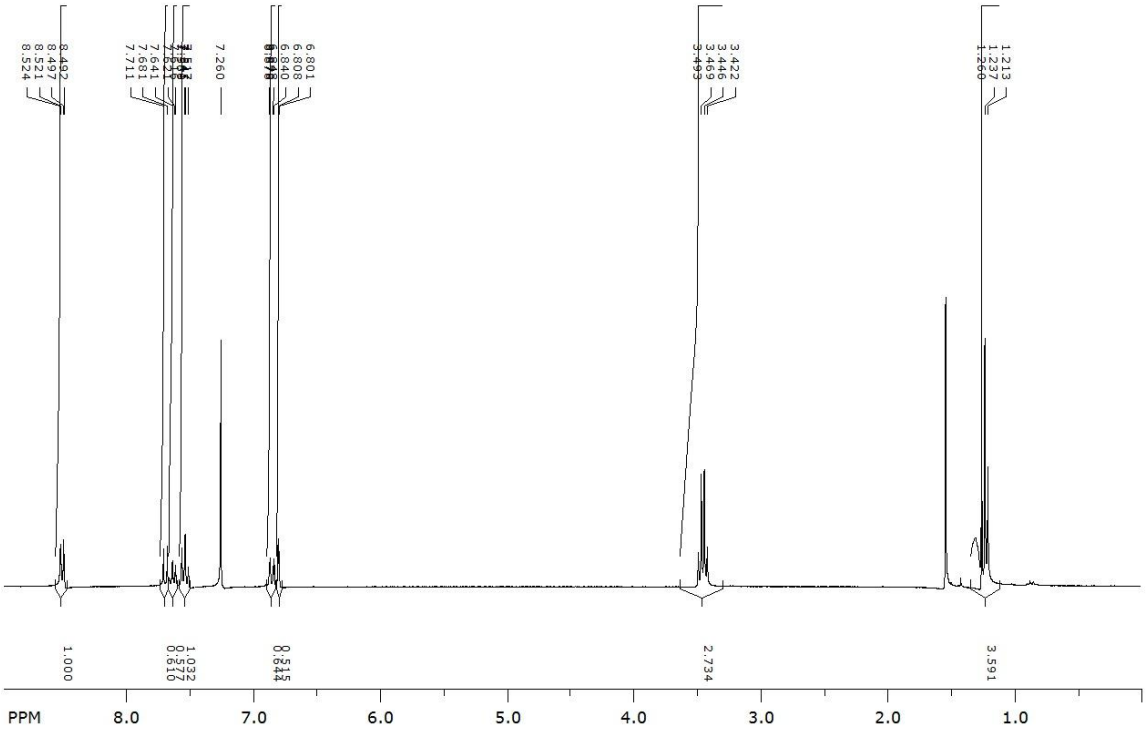


Figure 11. ^{1}H (500 MHz) and ^{13}C{^{1}H} (125 MHz) NMR spectra of **7k** in $CDCl_3$.



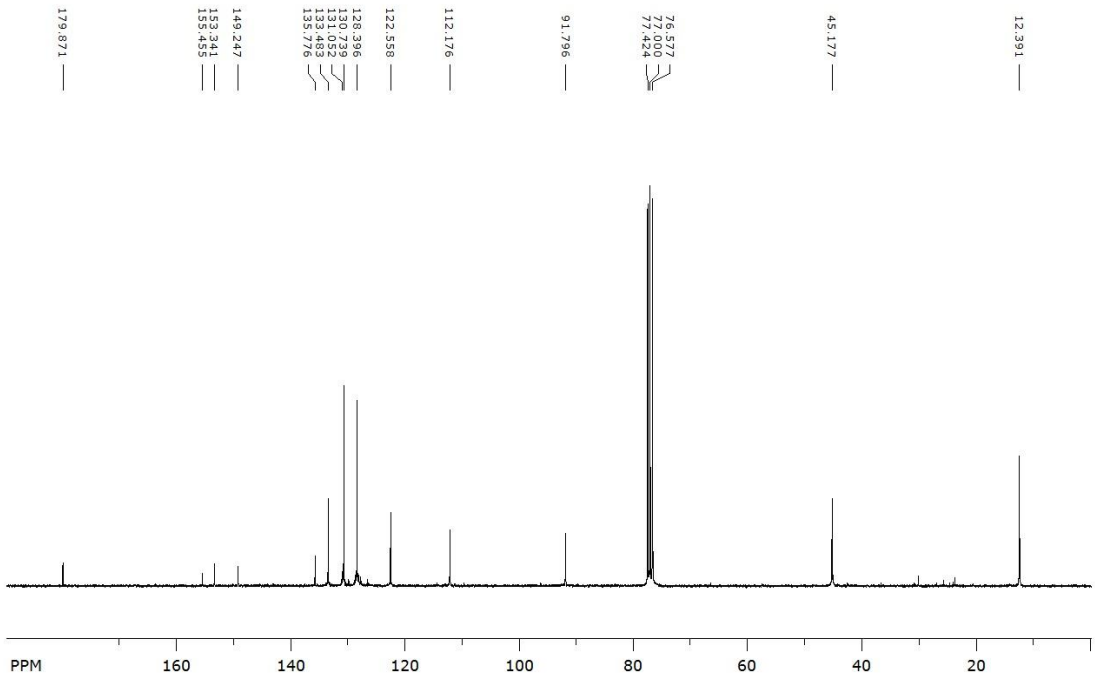
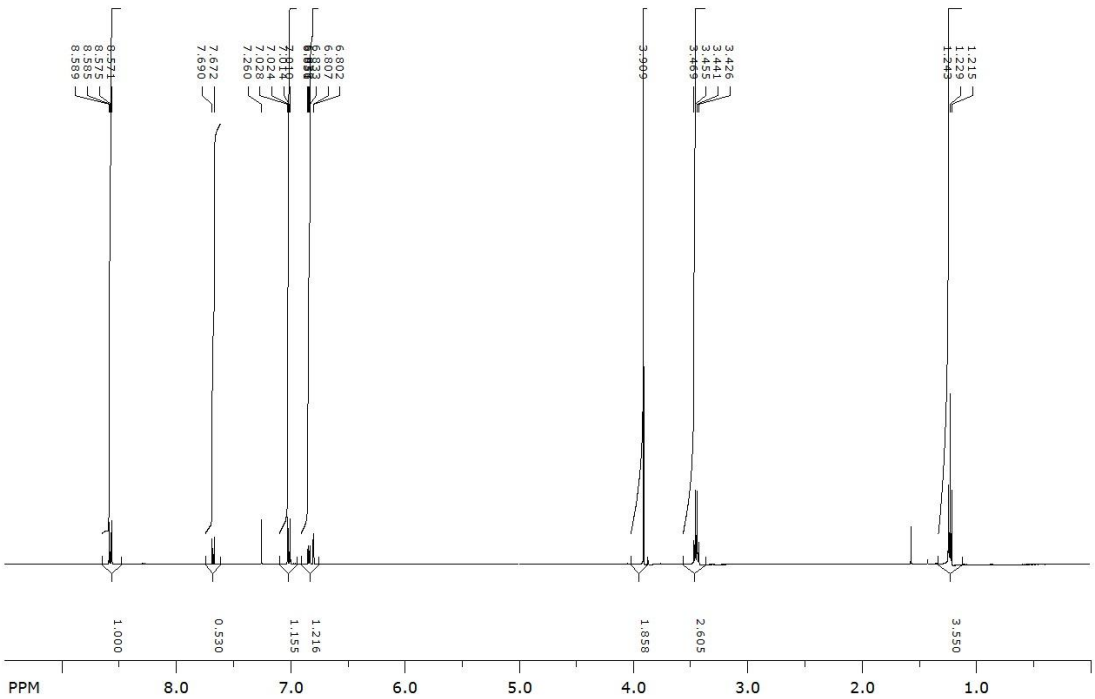


Figure 12. ^{1}H (300 MHz) and $^{13}C\{^{1}H\}$ (75 MHz) NMR spectra of **7l** in $CDCl_3$.



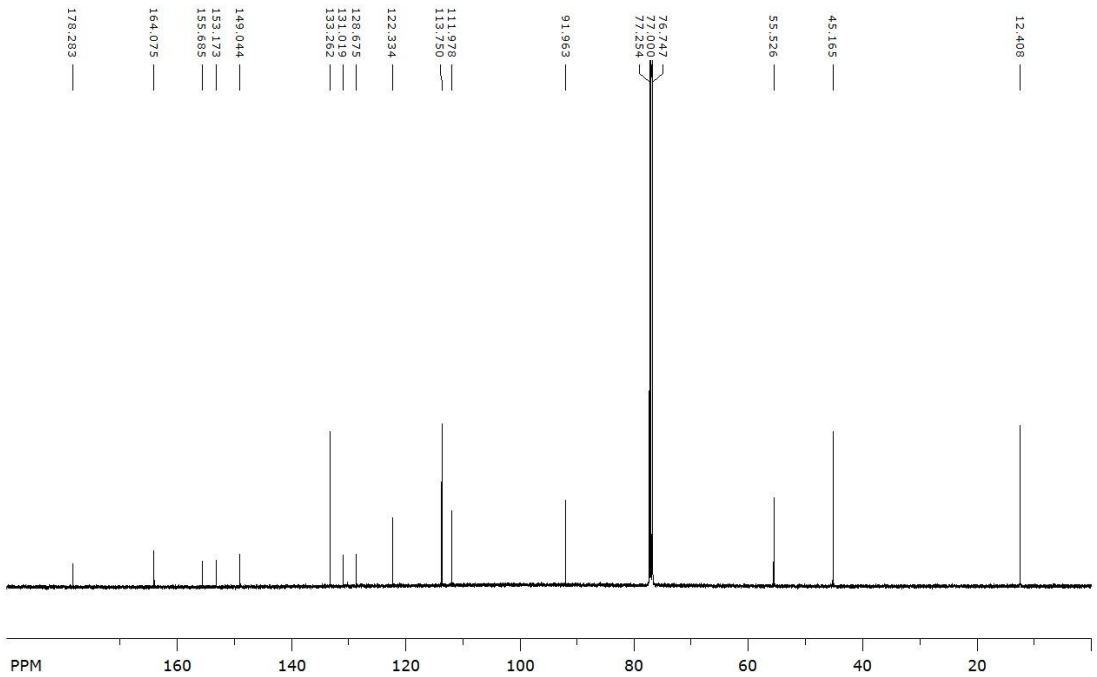
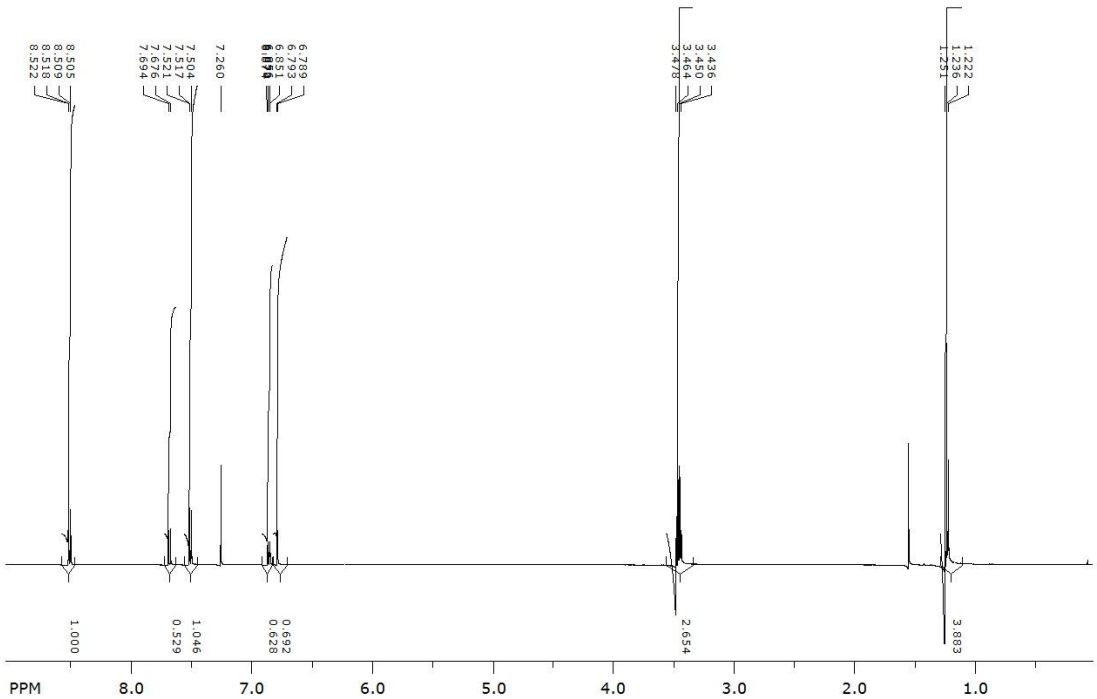


Figure 13. ^{1}H (500 MHz) and $^{13}C\{^{1}H\}$ (1255 MHz) NMR spectra of **7m** in $CDCl_3$.



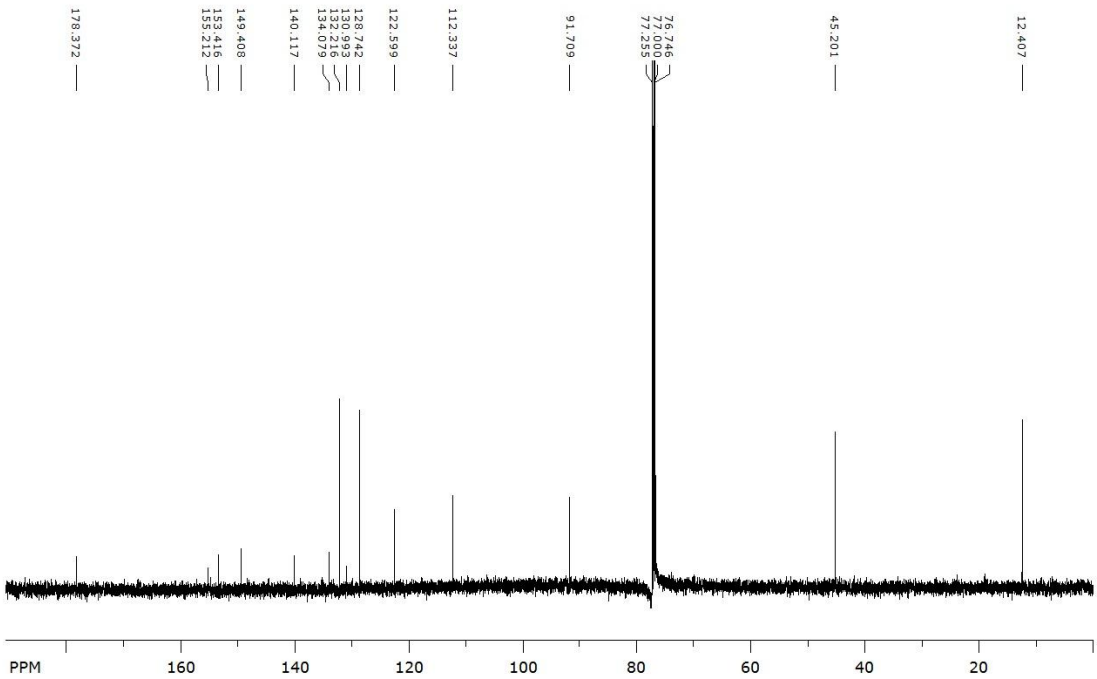


Figure 14. ^{1}H (500 MHz) and $^{13}C\{^{1}H\}$ (125 MHz) NMR spectra of **7n** in $CDCl_3$.

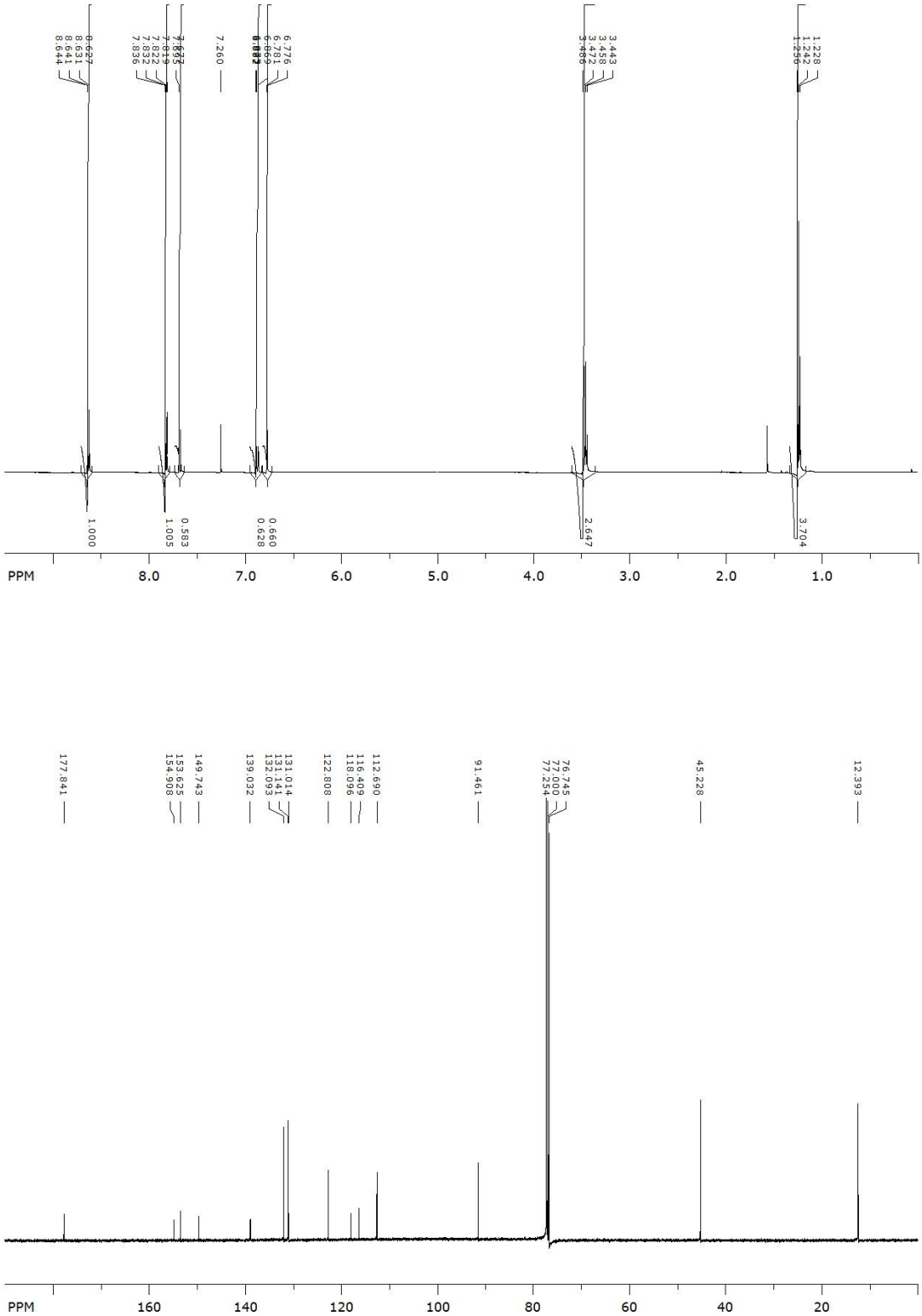
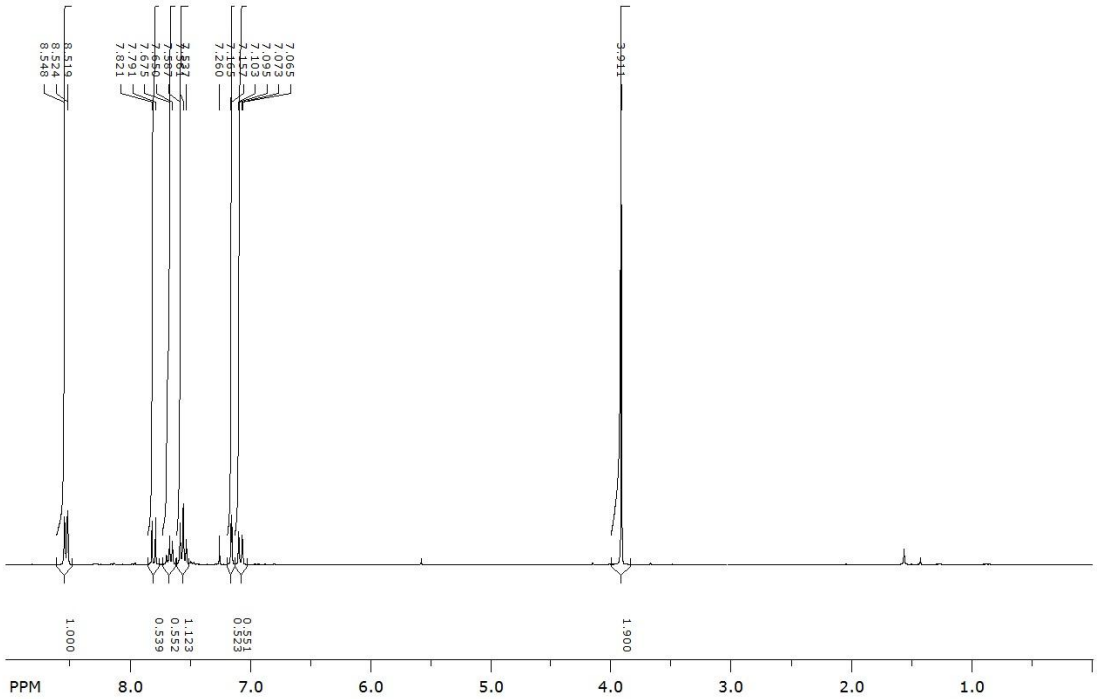


Figure 15. ^{1}H (500 MHz) and $^{13}C\{^{1}H\}$ (125 MHz) NMR spectra of **7o** in $CDCl_3$.



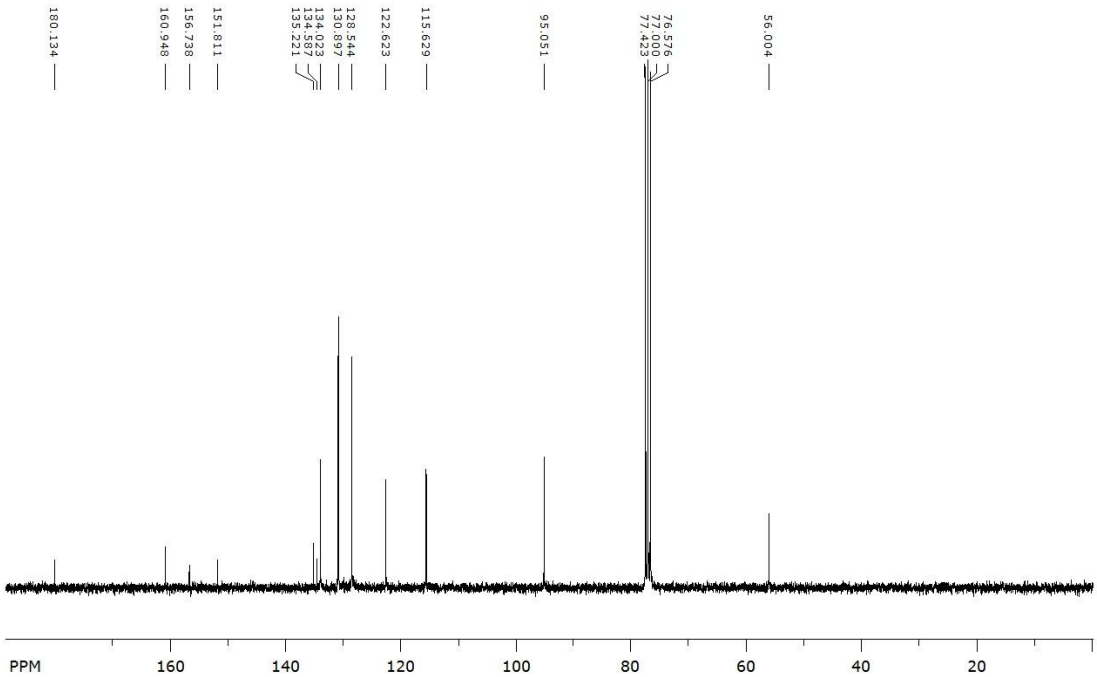


Figure 16. ^{1}H (300 MHz) and $^{13}C\{^{1}H\}$ (75 MHz) NMR spectra of **7p** in $CDCl_3$.

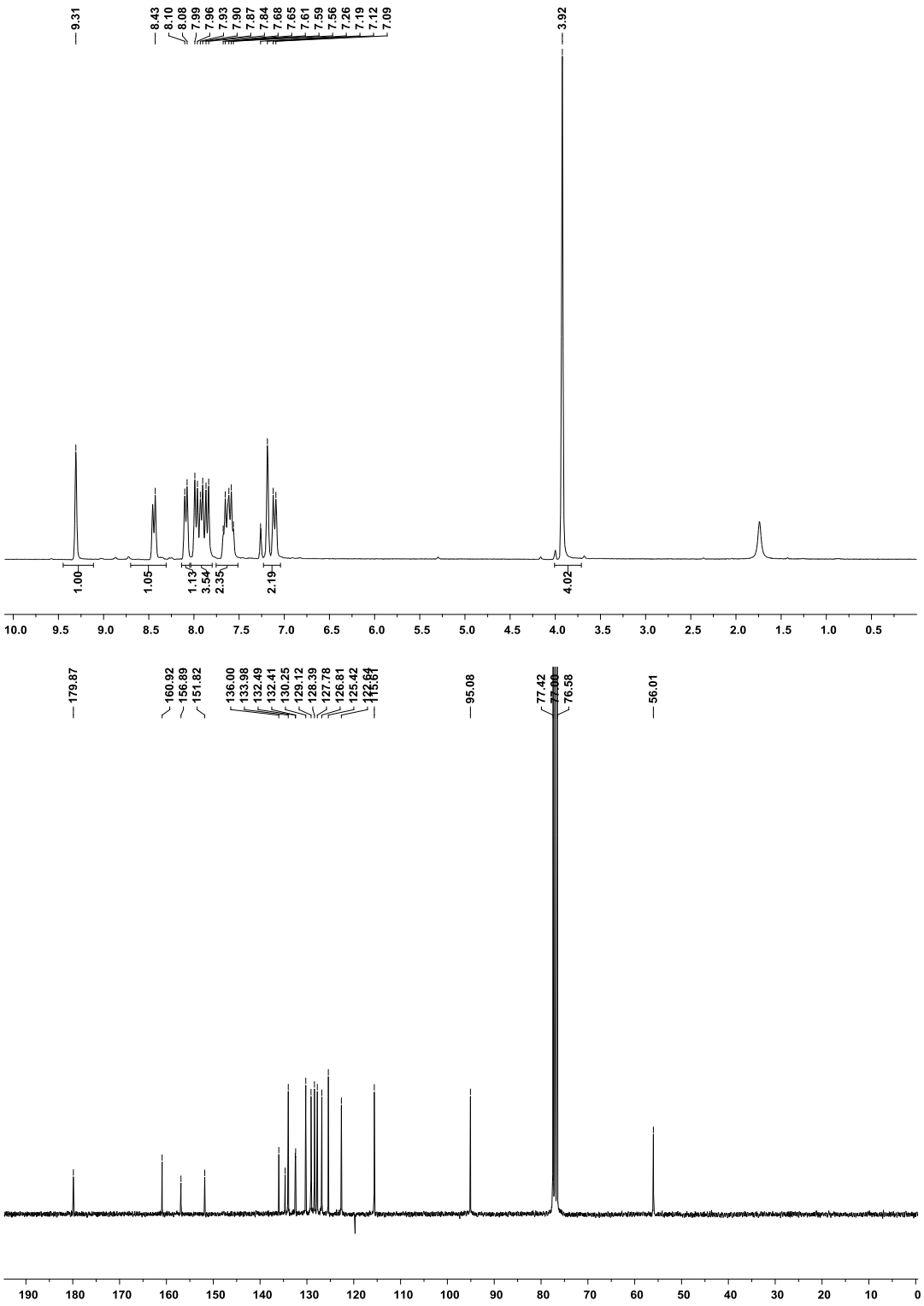
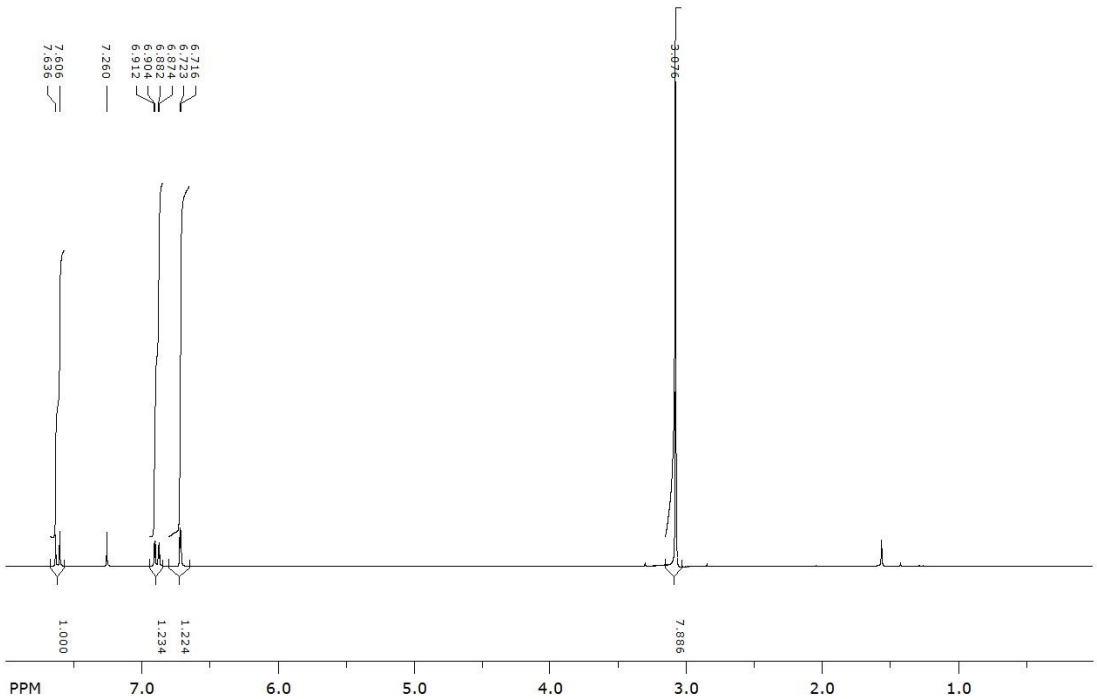


Figure 17. ^{1}H (300 MHz) and $^{13}C\{^{1}H\}$ (75 MHz) NMR spectra of **7q** in $CDCl_3$.



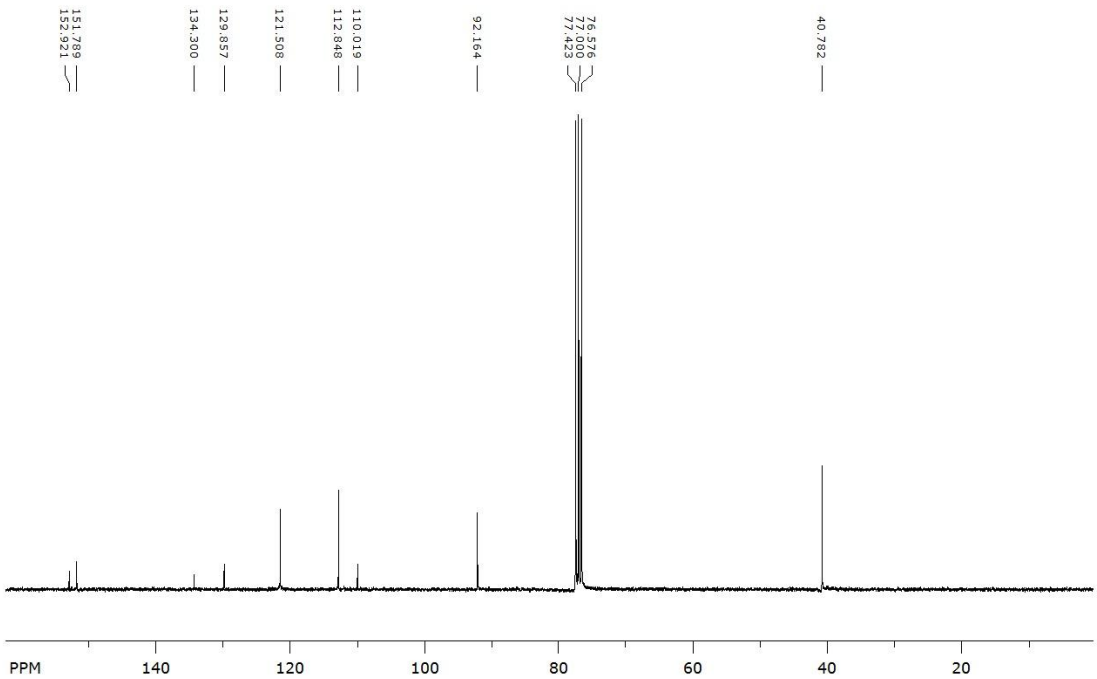


Figure 18. ^{1}H (300 MHz) and ^{13}C{^{1}H} (75 MHz) NMR spectra of **7r** in $CDCl_3$.

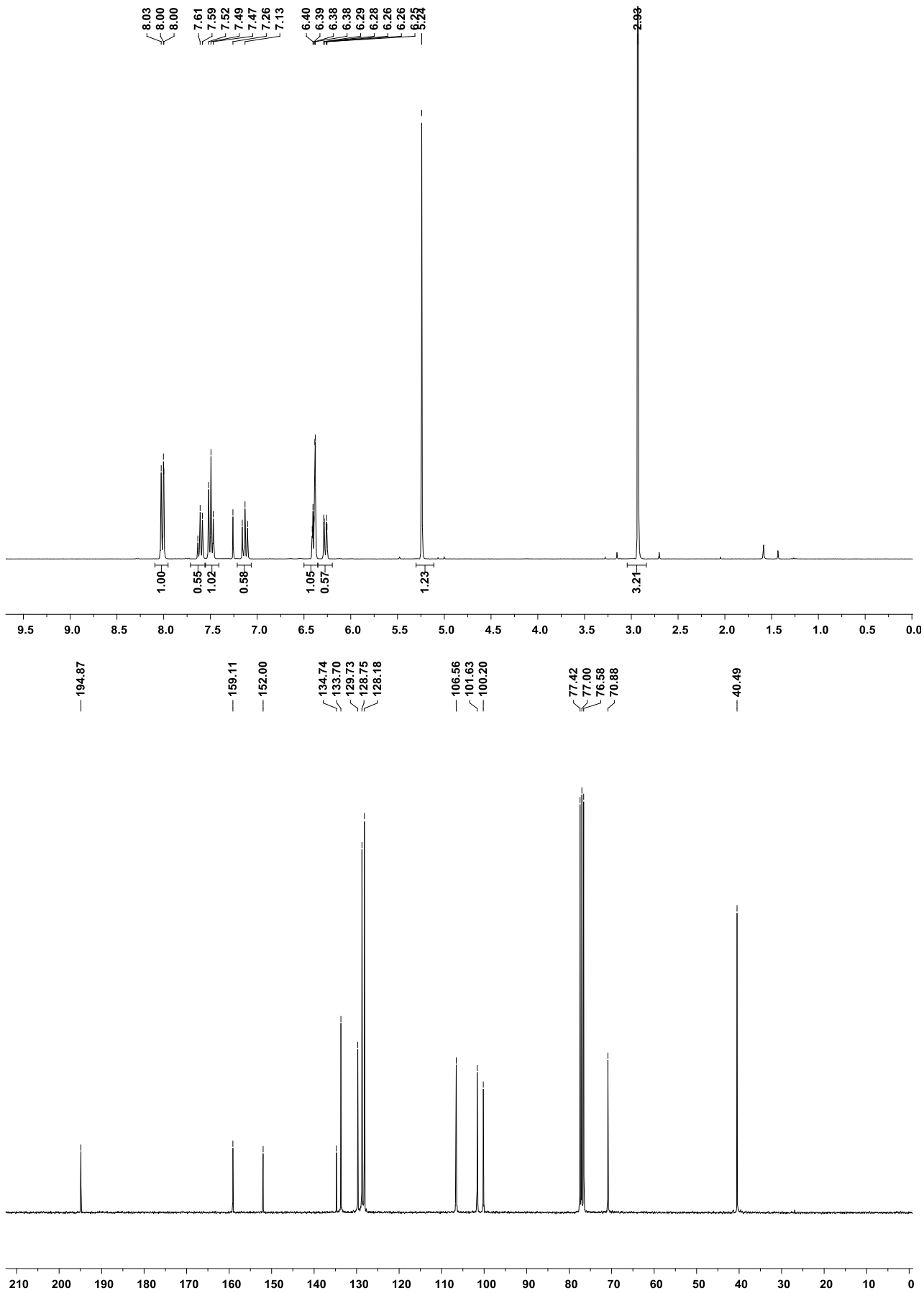


Figure 19. ^{1}H (300 MHz) and $^{13}C\{^{1}H\}$ (75 MHz) NMR spectra of **13a** in $CDCl_3$.

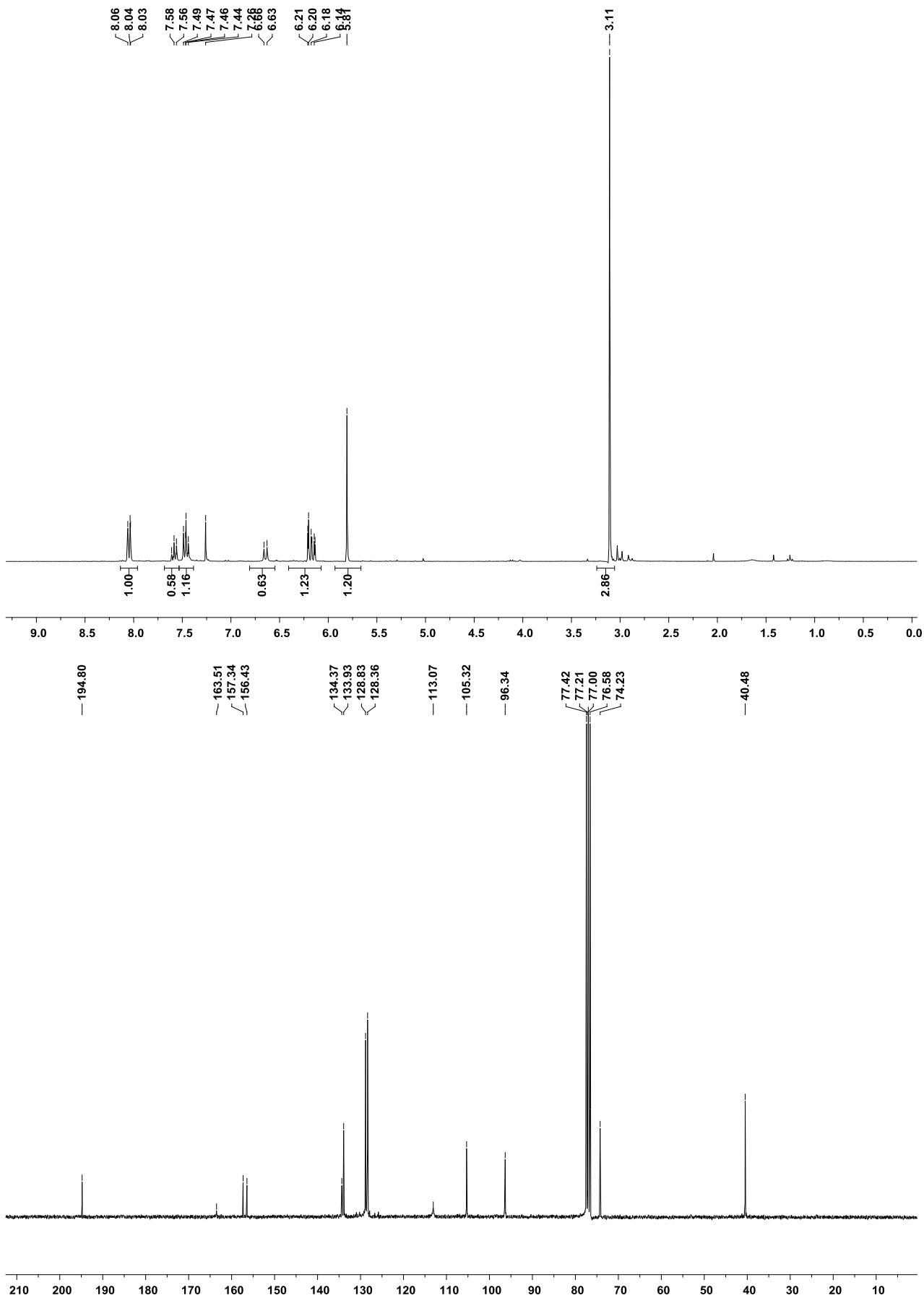
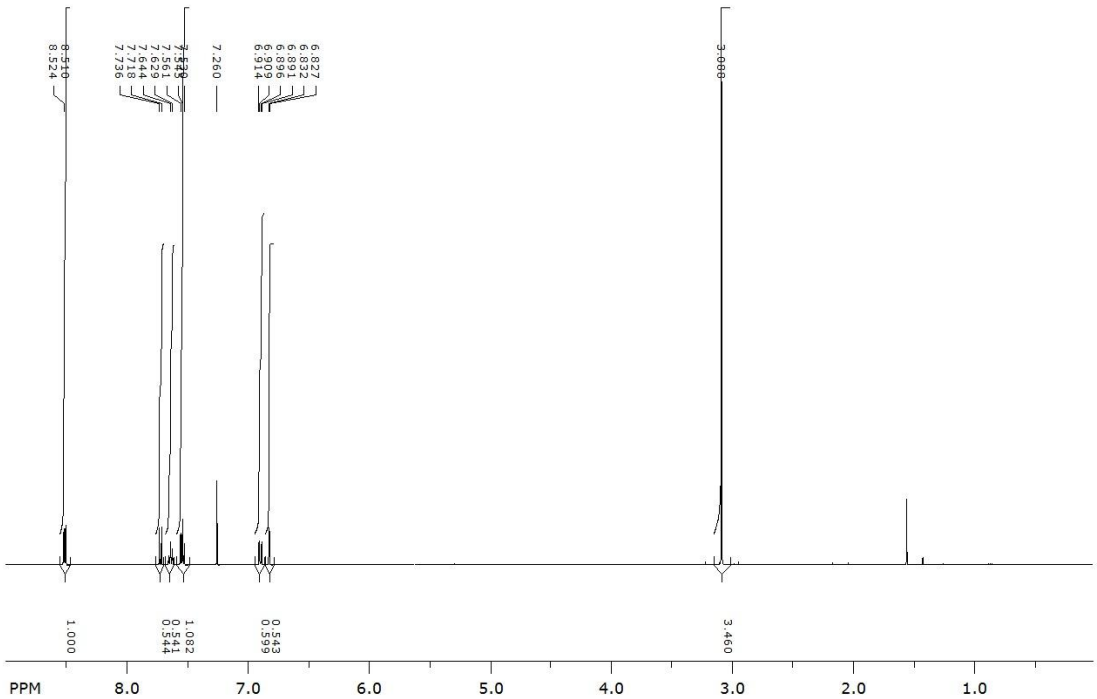


Figure 20. ^{1}H (300 MHz) and $^{13}C\{^{1}H\}$ (75 MHz) NMR spectra of **9a** in $CDCl_3$.



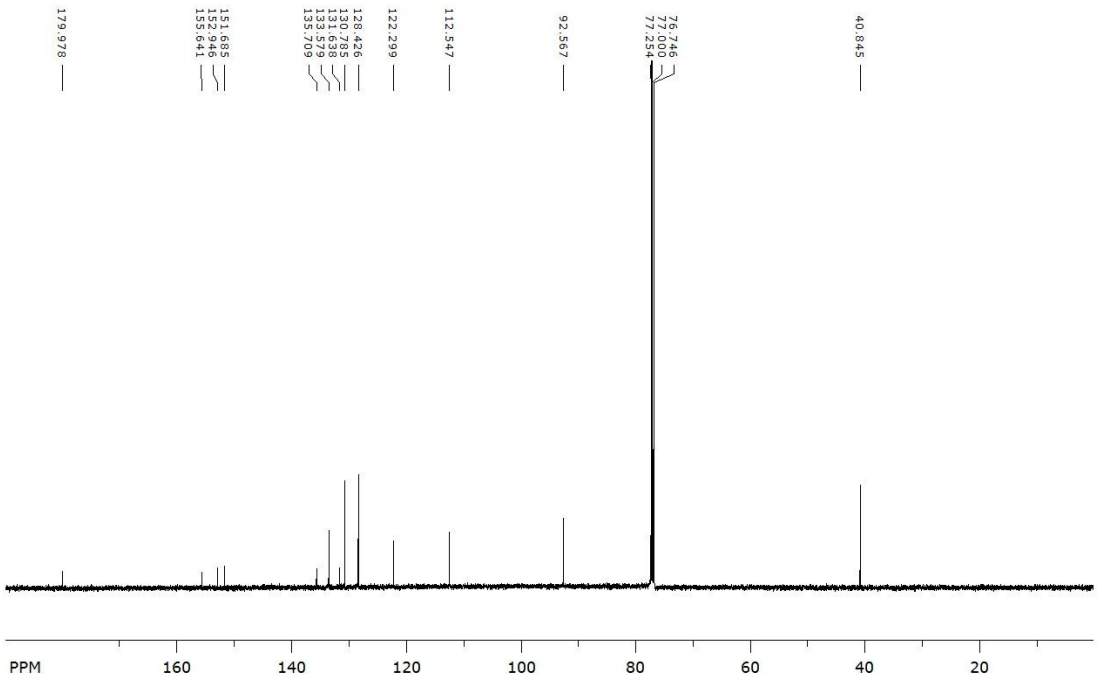


Figure 21. ^{1}H (500 MHz) and $^{13}C\{^{1}H\}$ (125 MHz) NMR spectra of **7a** in $CDCl_3$; **7a** was obtained from the cyclization of **9a**.