Supporting information

for

External Oxidant-free Cross-coupling of Arylcopper and Alkynylcopper reagents Leading to Arylalkyne

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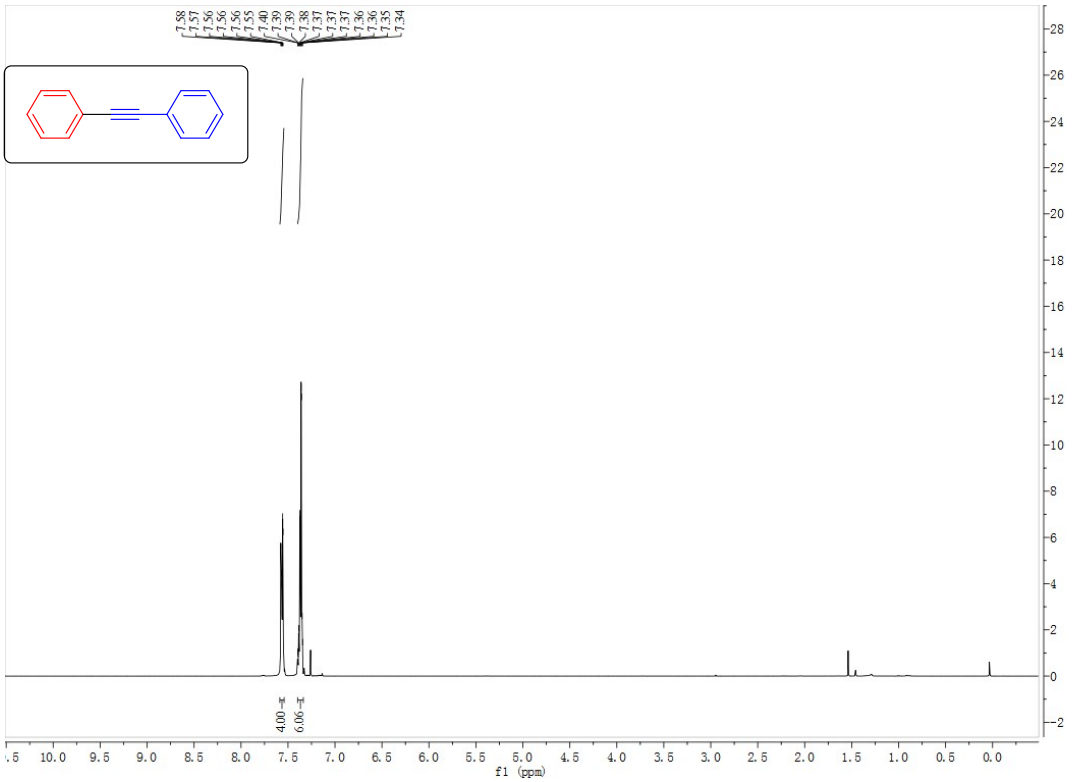
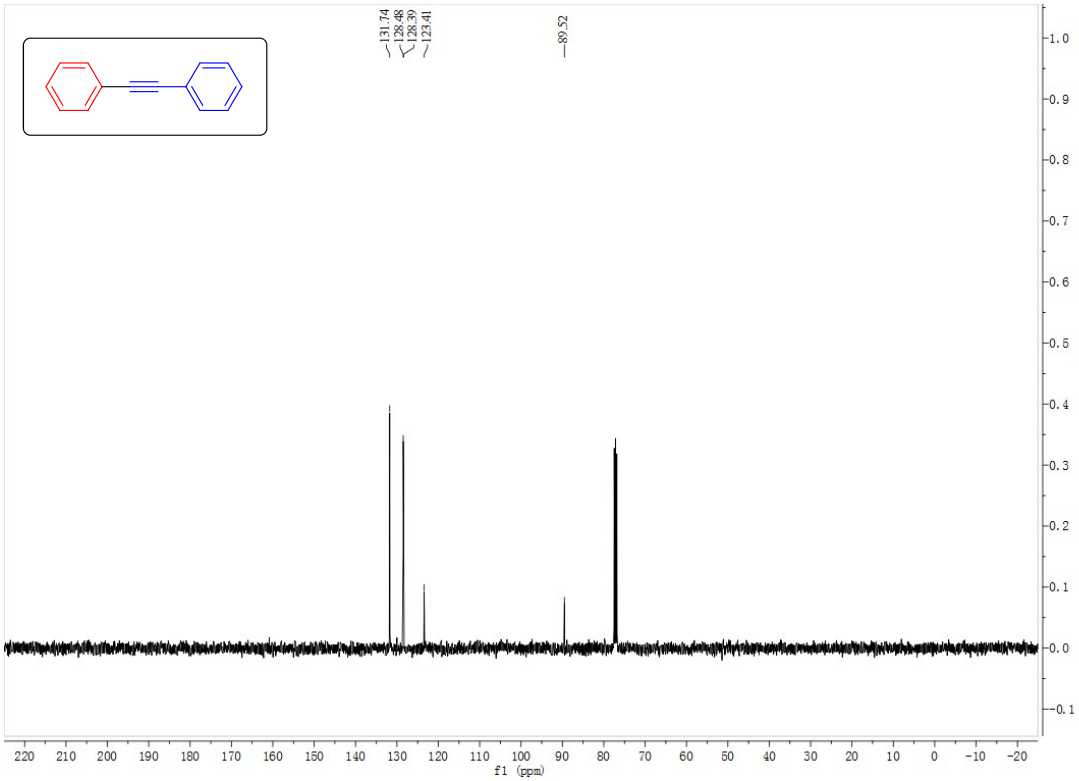
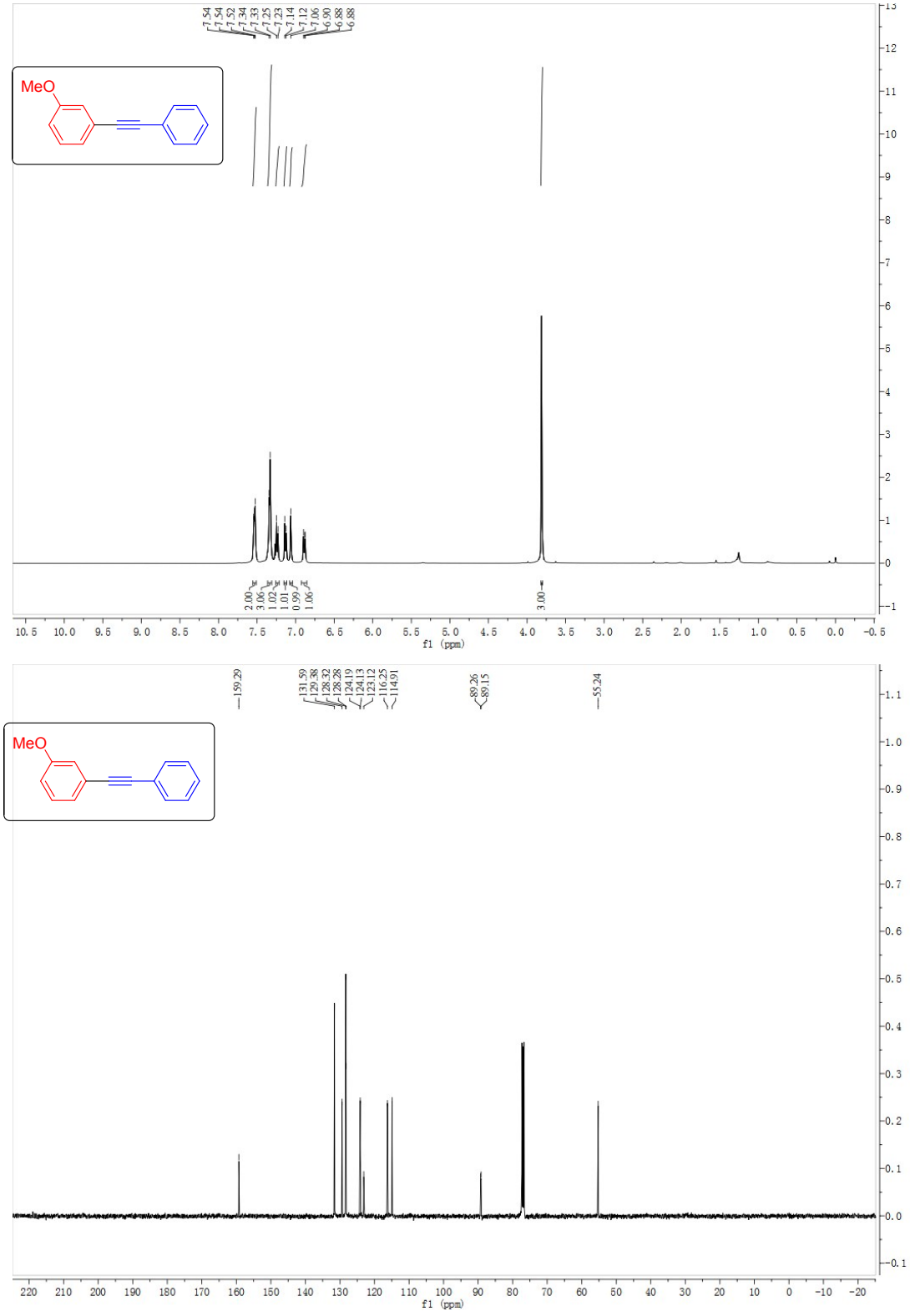
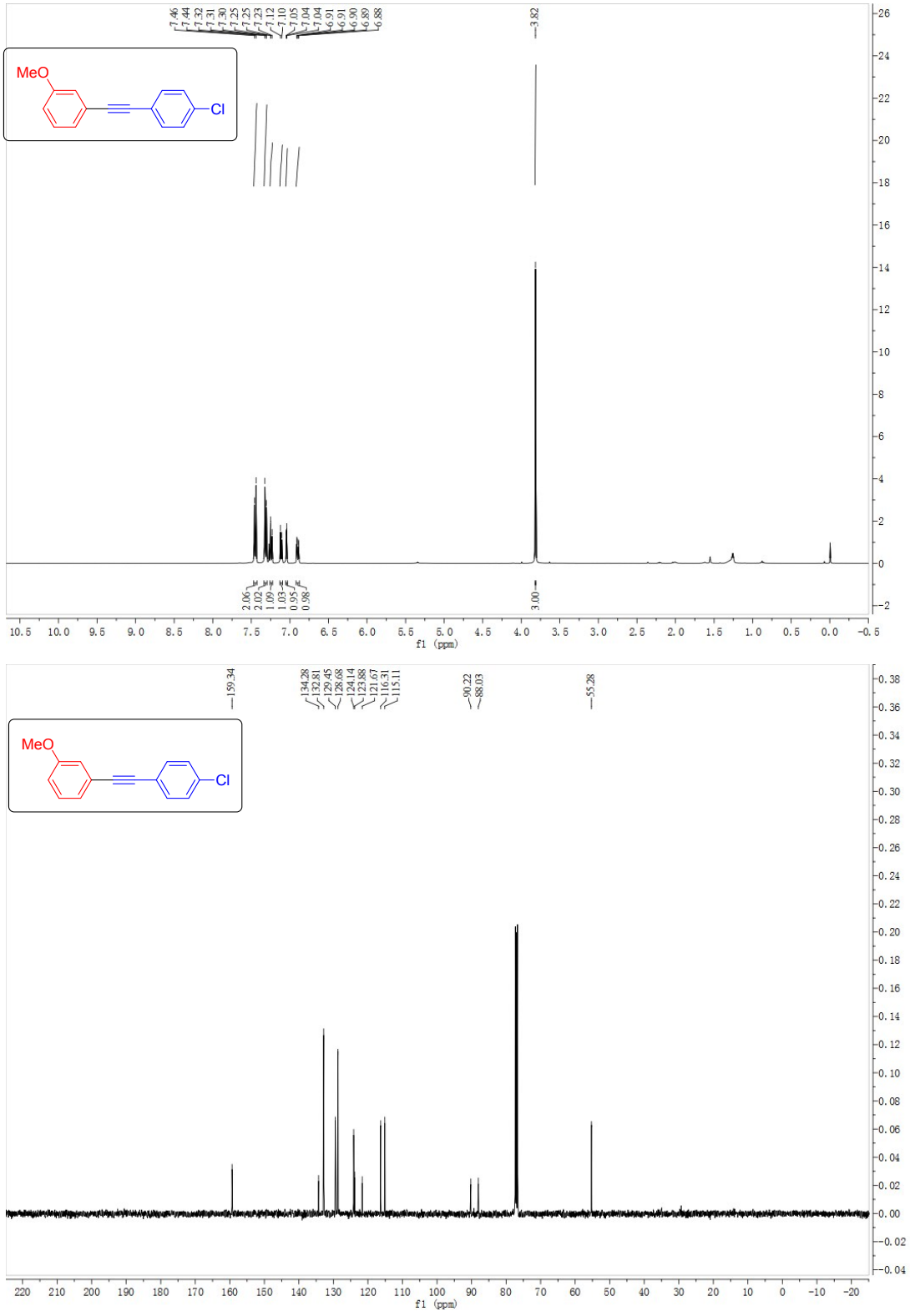




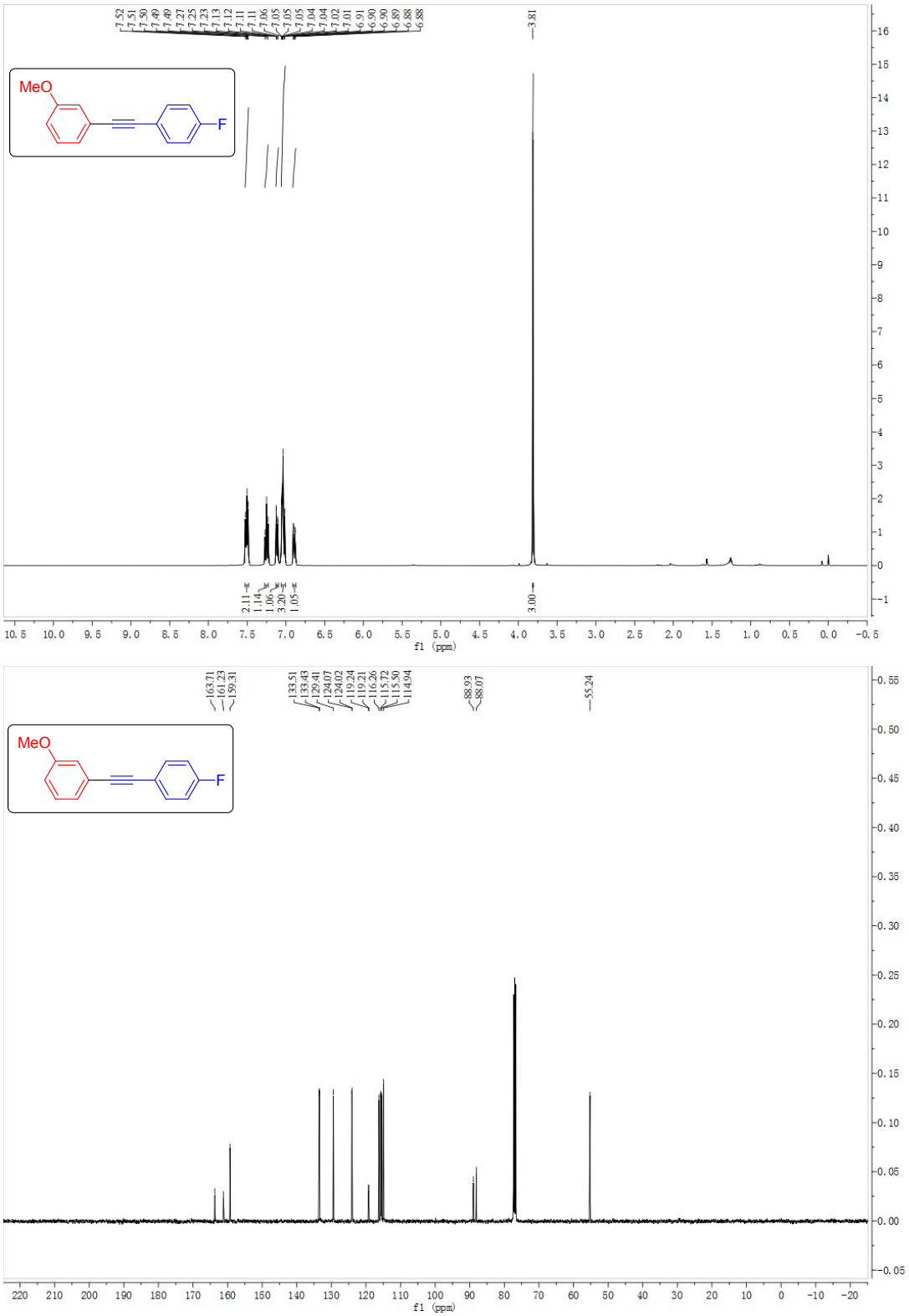
^{1}H NMR and ^{13}C NMR for compound **4aa**



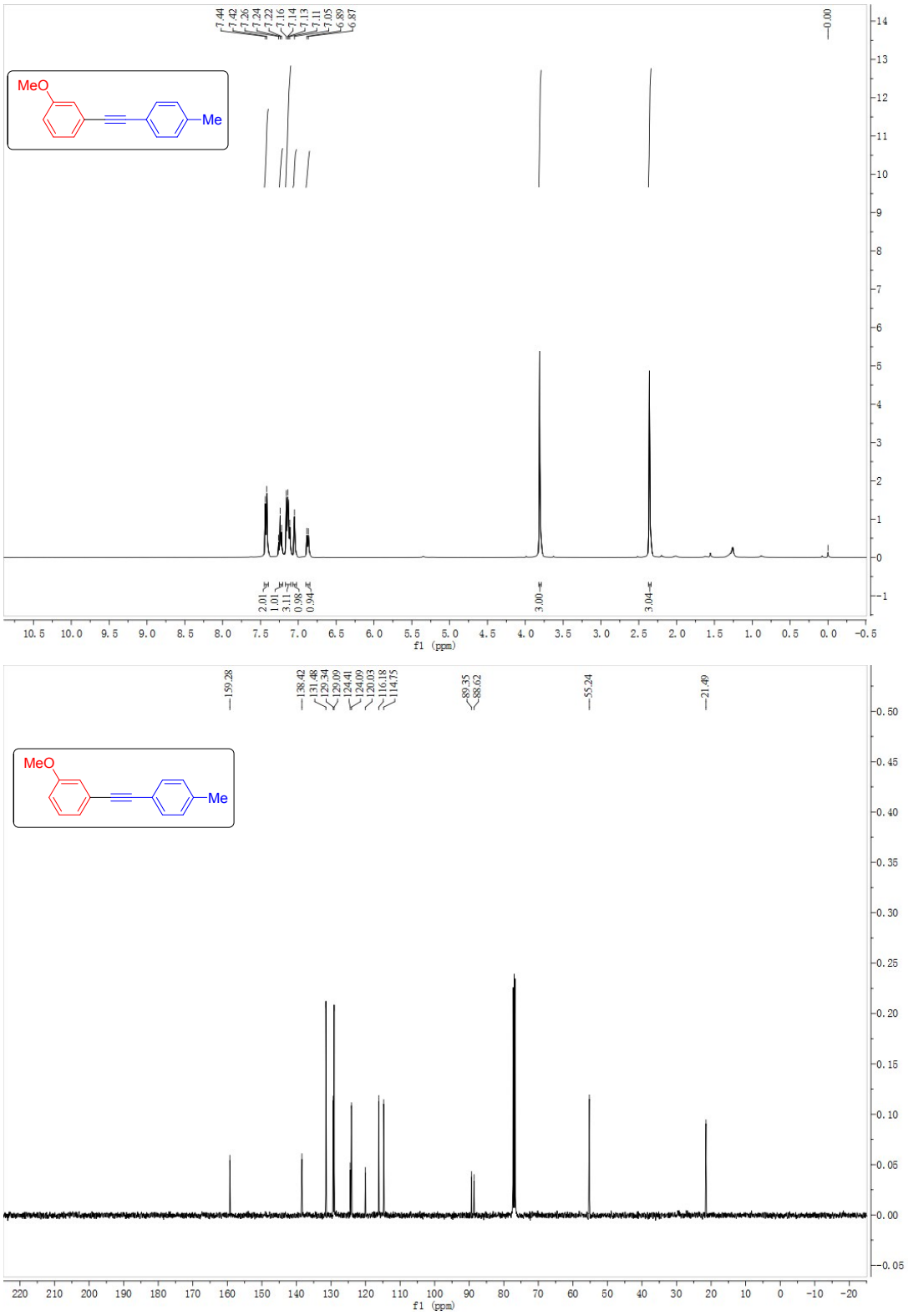
^{1}H NMR and ^{13}C NMR for compound **4ba**



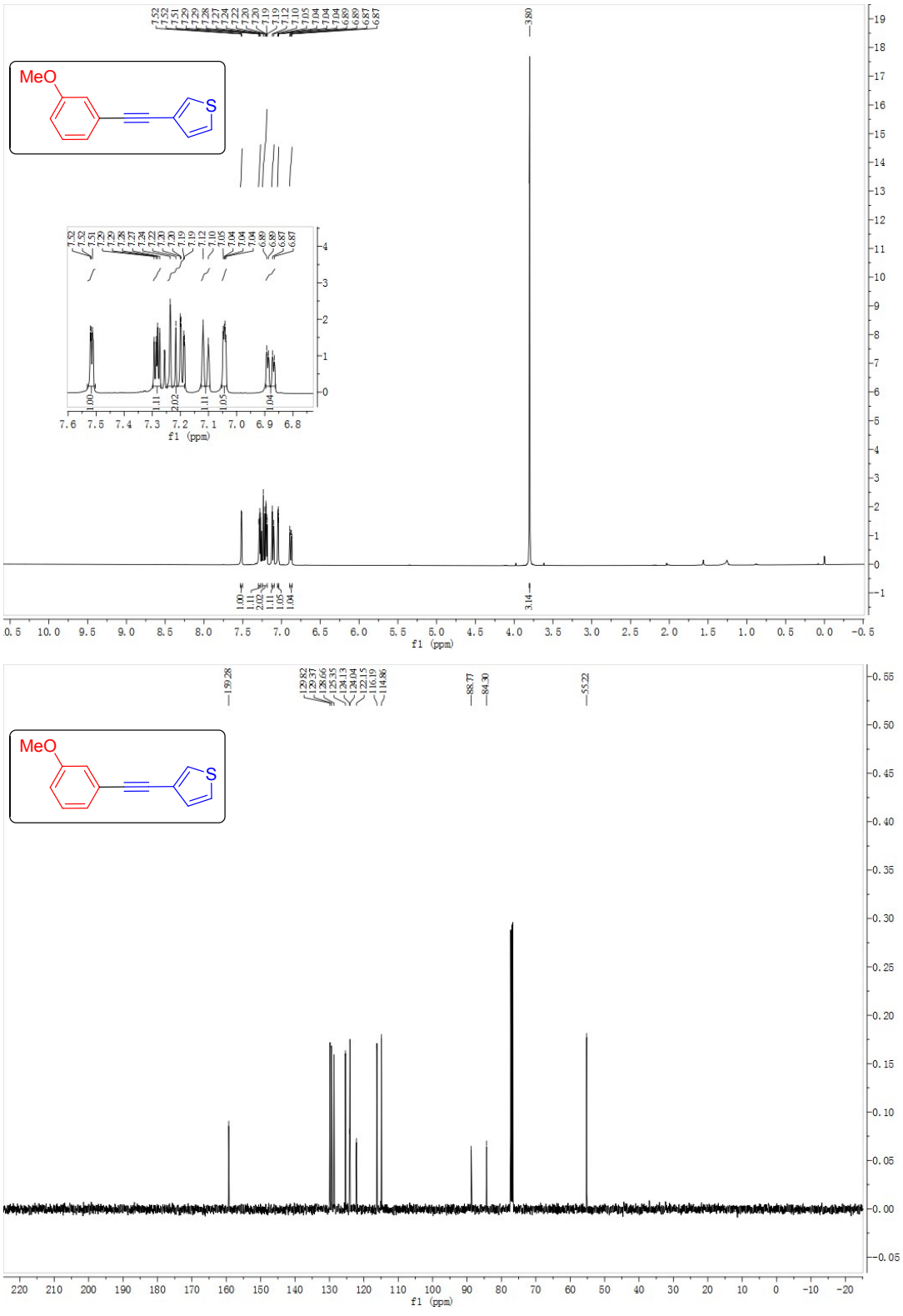
^{1}H NMR and ^{13}C NMR for compound **4bb**



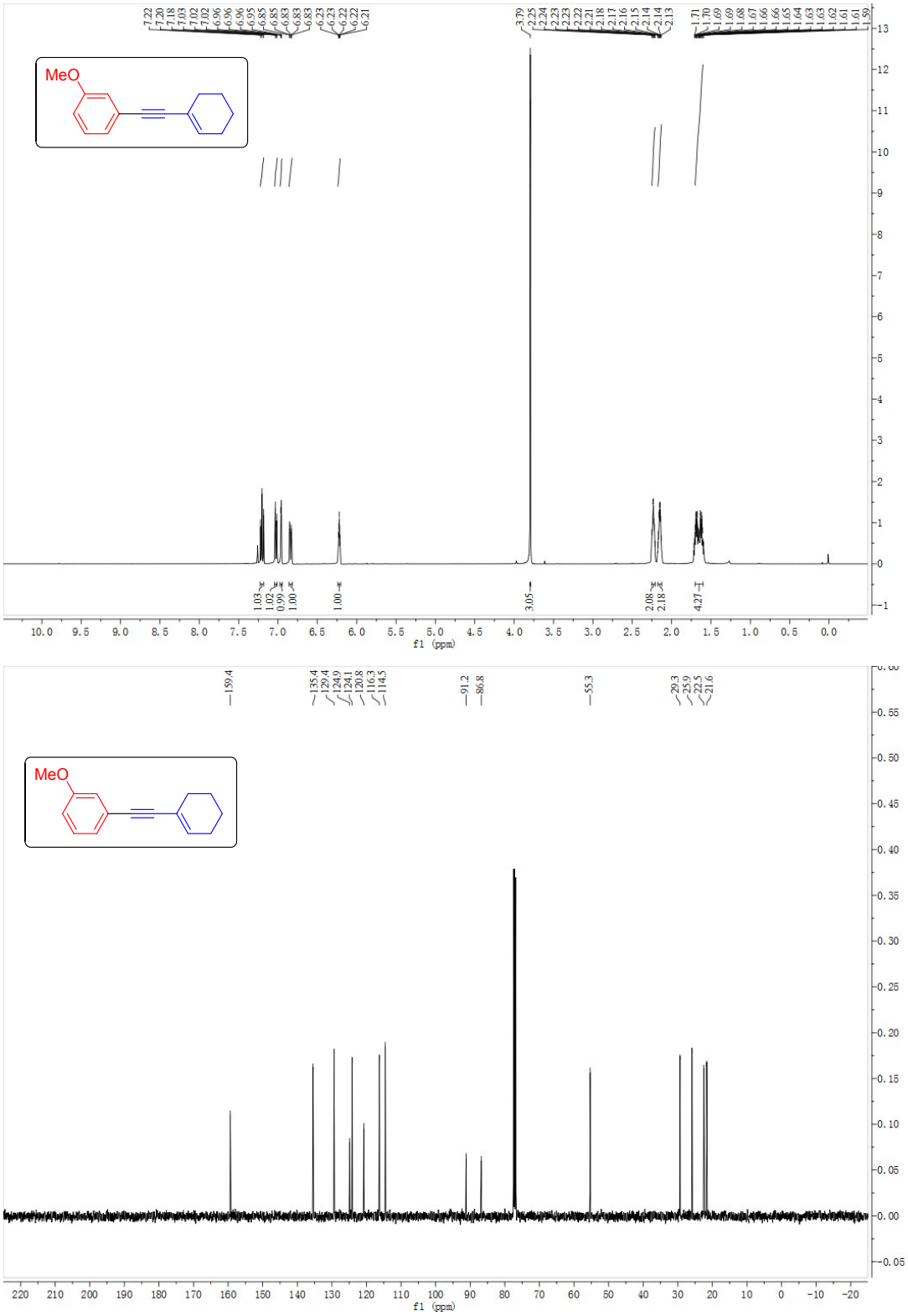
^{1}H NMR and ^{13}C NMR for compound **4bc**



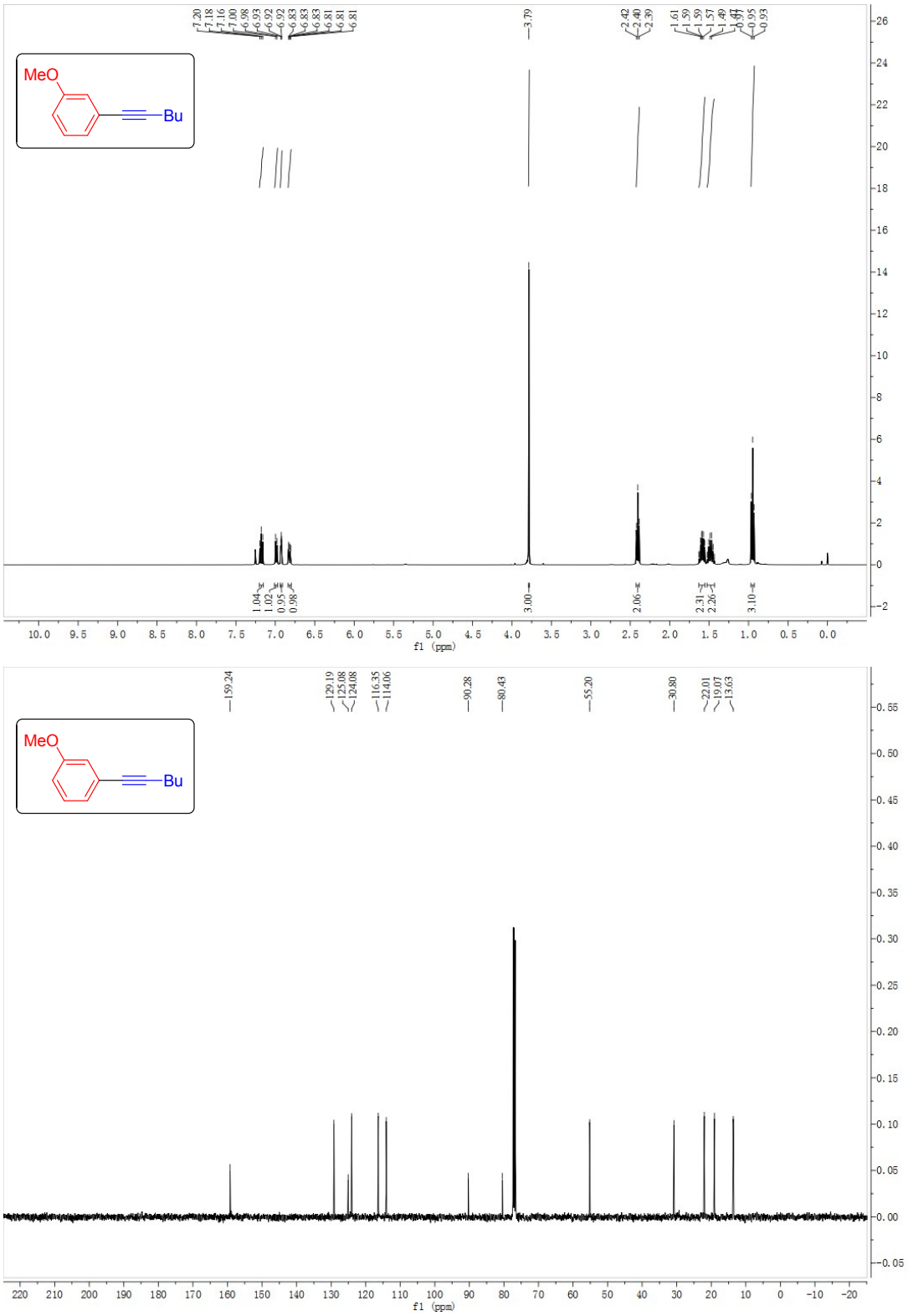
^{1}H NMR and ^{13}C NMR for compound **4bd**



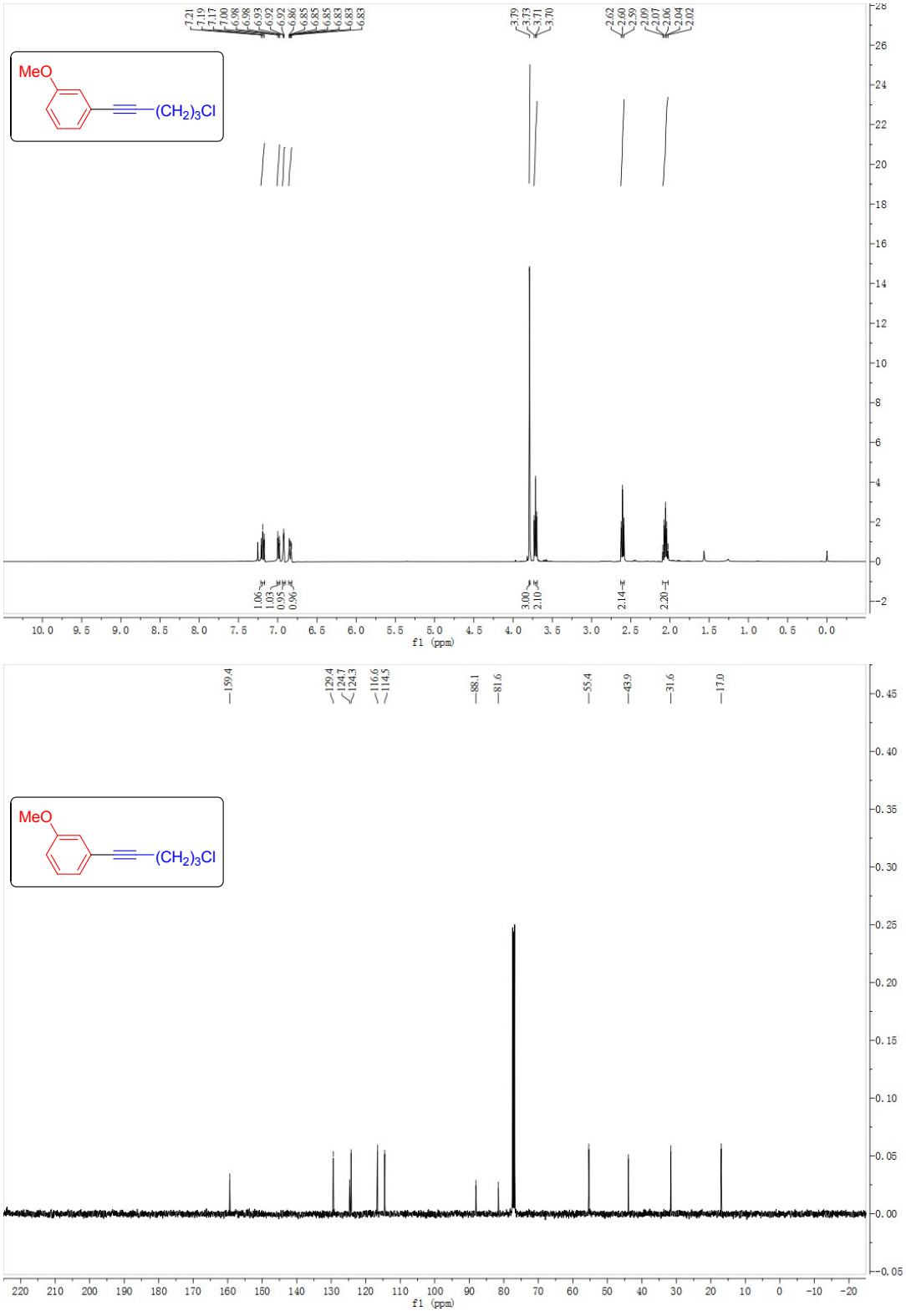
^{1}H NMR and ^{13}C NMR for compound **4be**



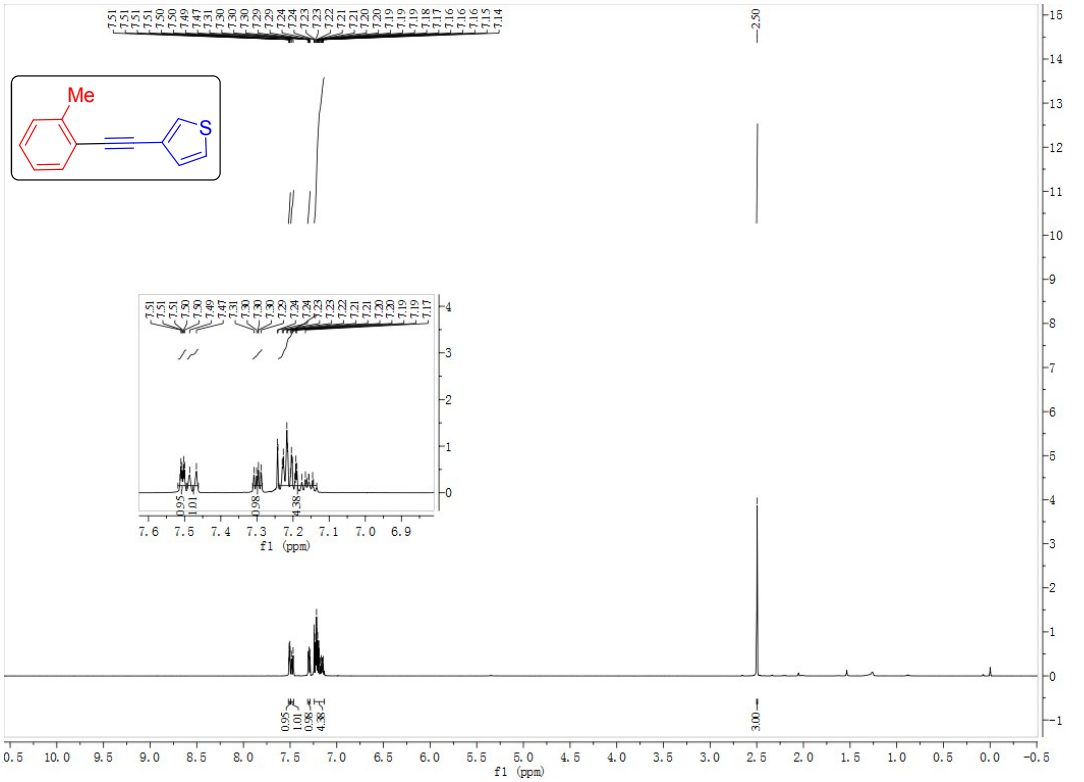
^{1}H NMR and ^{13}C NMR for compound **4bf**

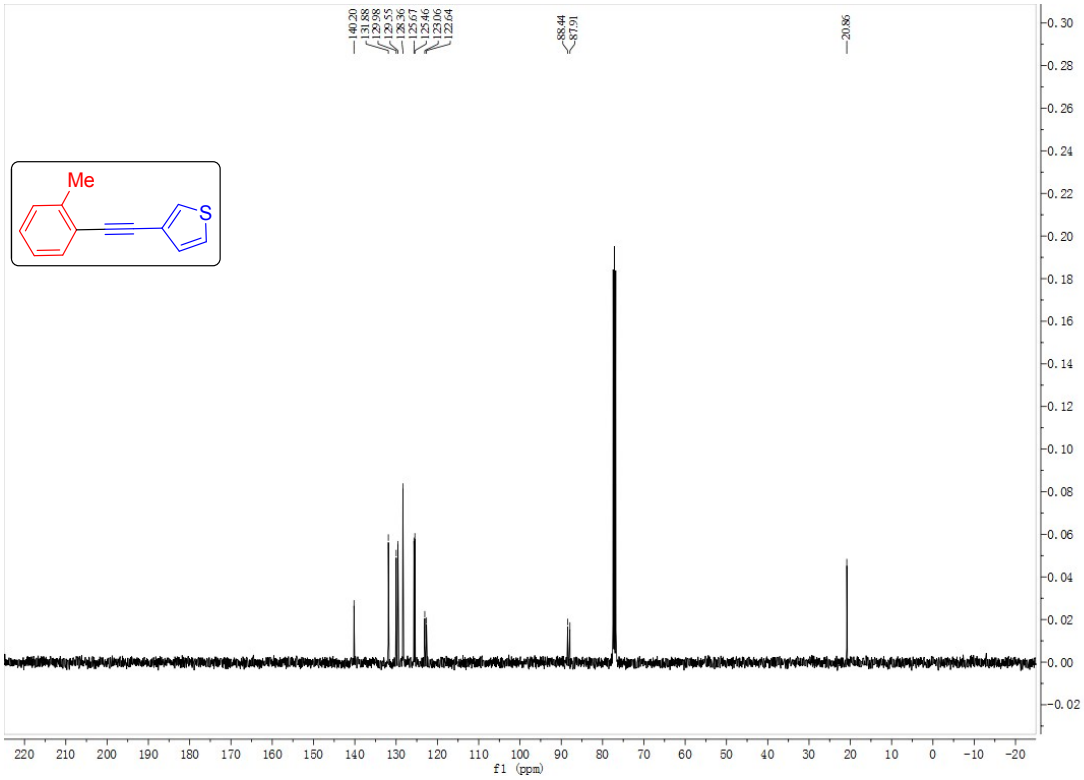


^{1}H NMR and ^{13}C NMR for compound **4bg**

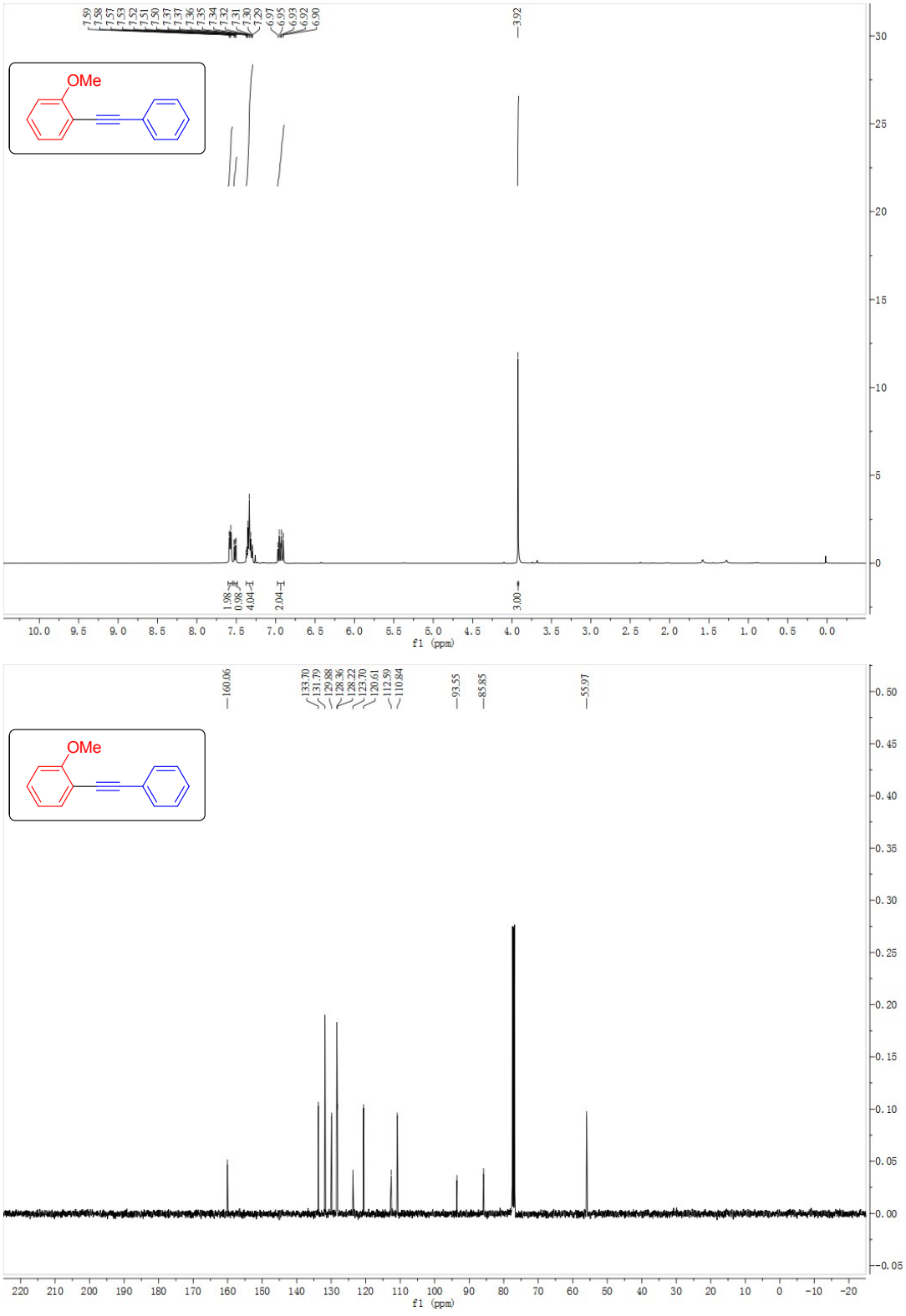


^{1}H NMR and ^{13}C NMR for compound **4bh**

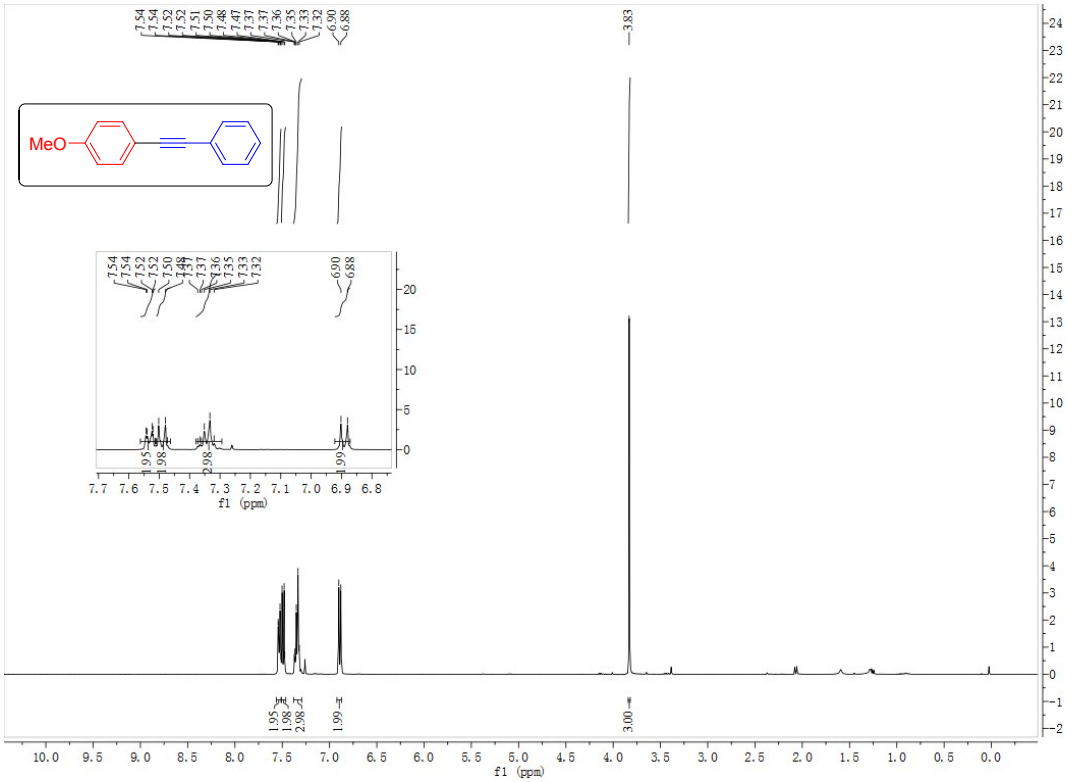


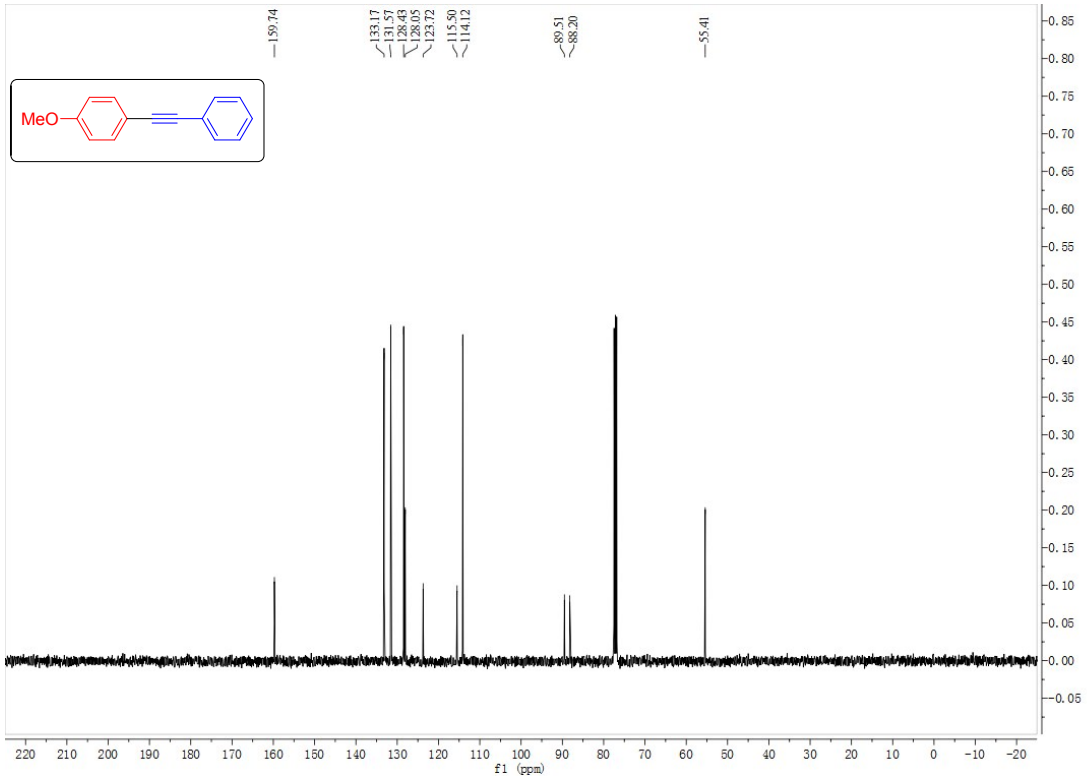


^{1}H NMR and ^{13}C NMR for compound **4ce**

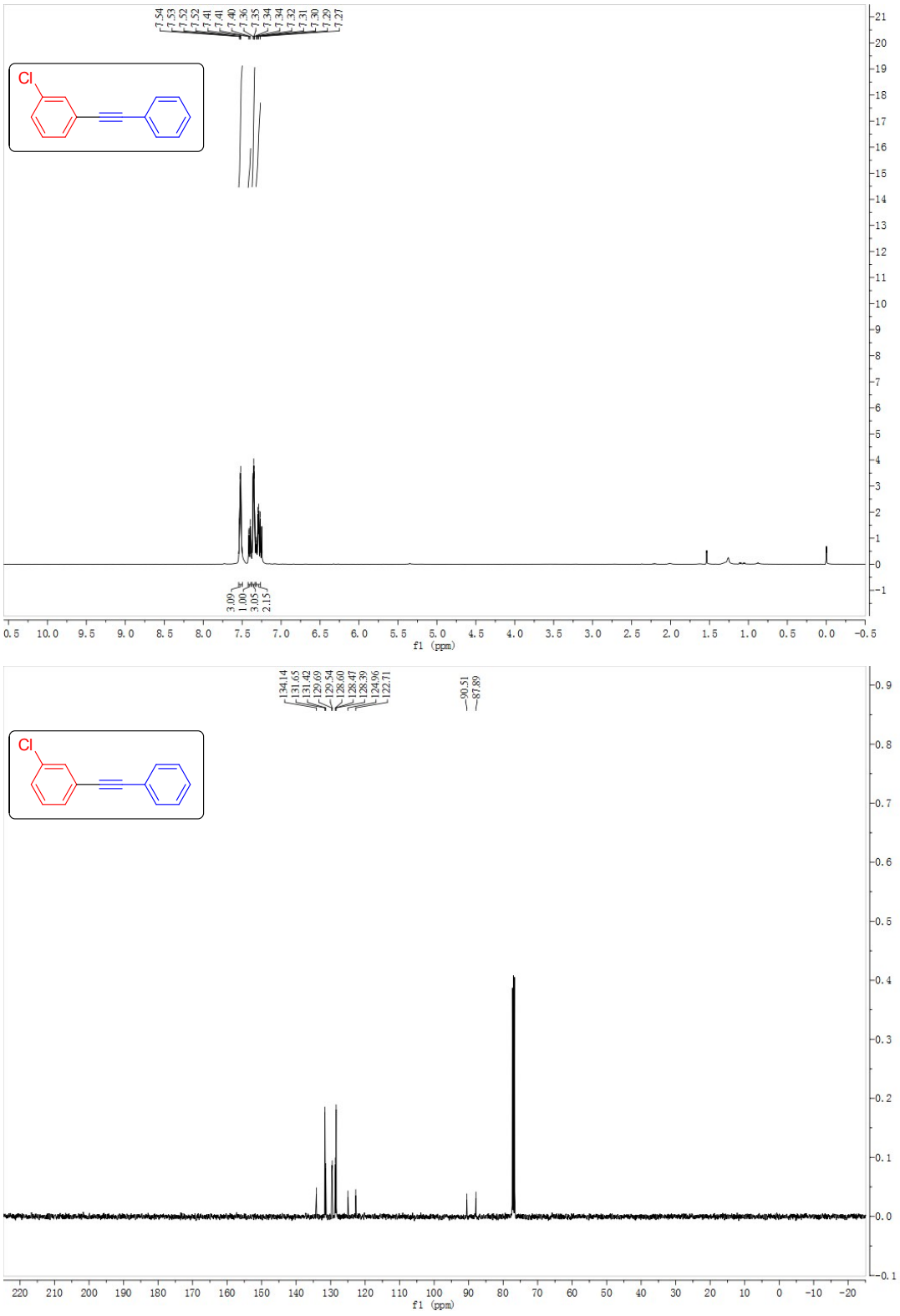


^{1}H NMR and ^{13}C NMR for compound **4da**

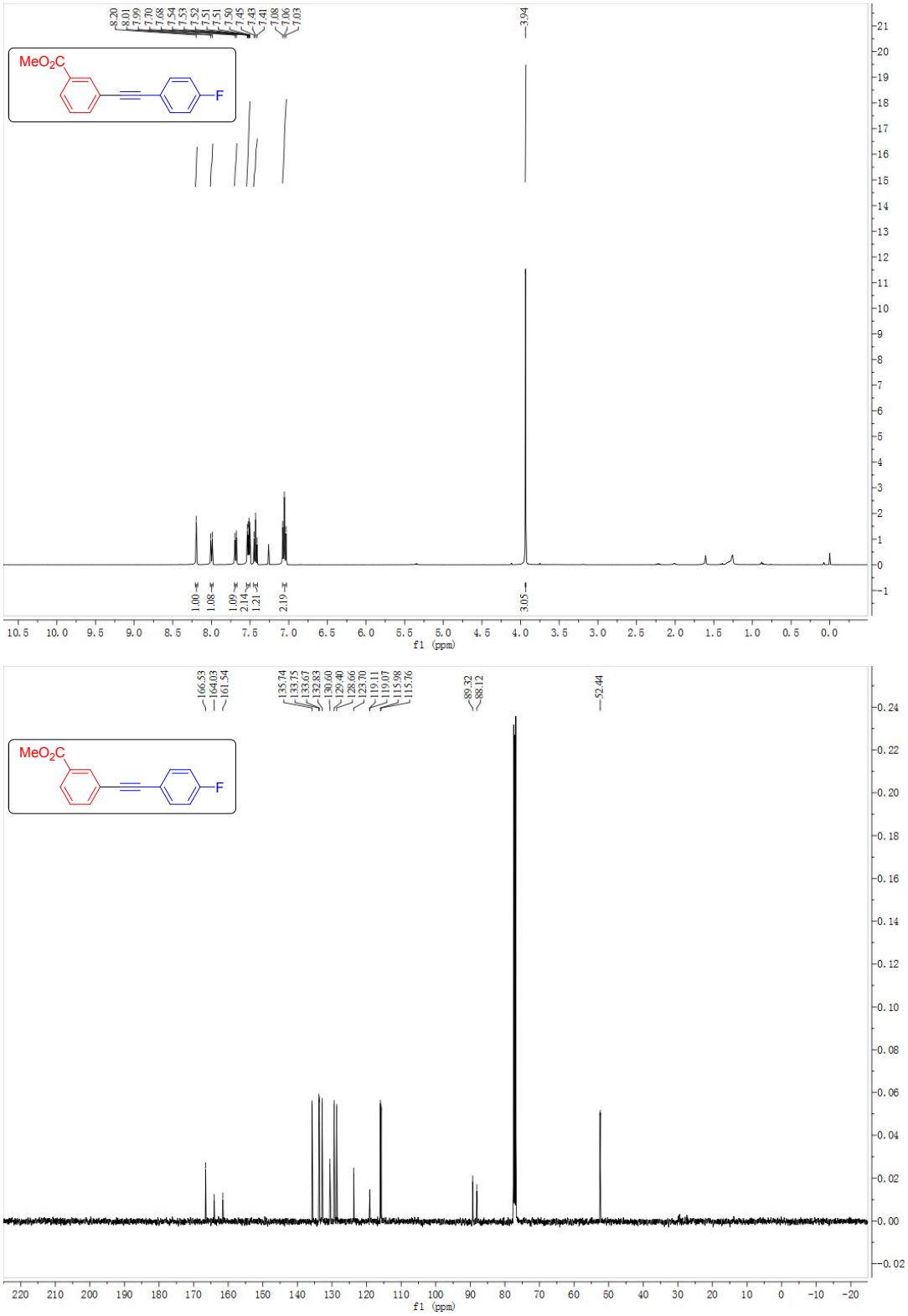




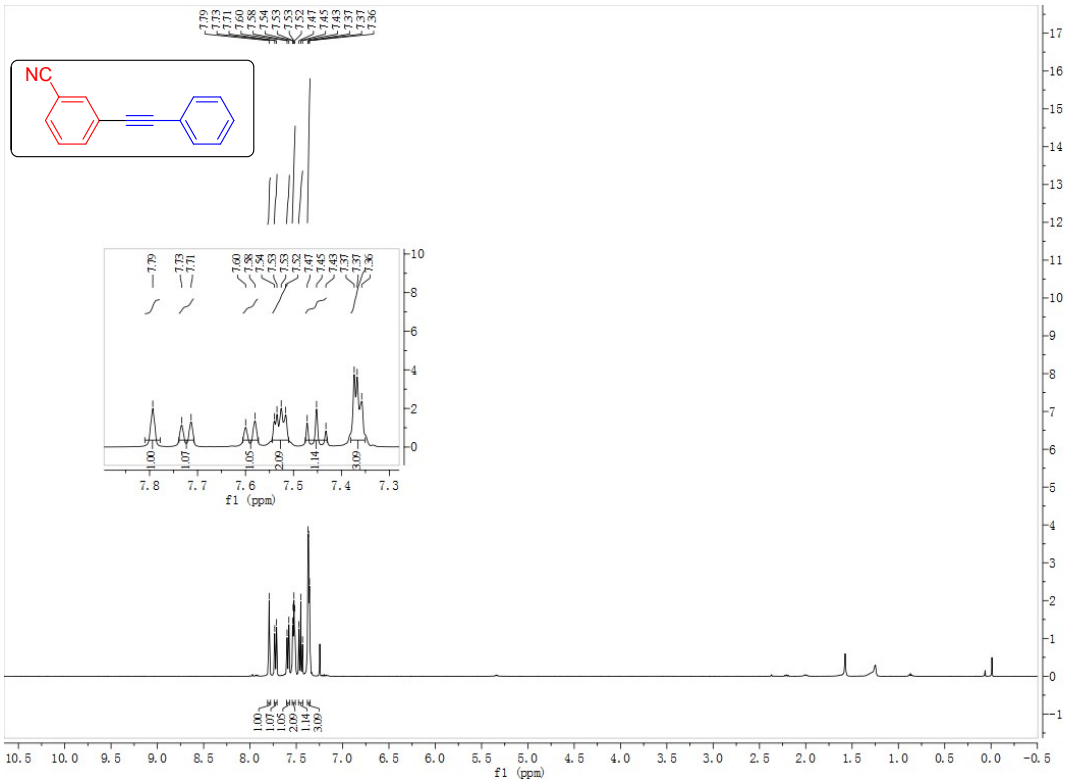
^{1}H NMR and ^{13}C NMR for compound **4ea**

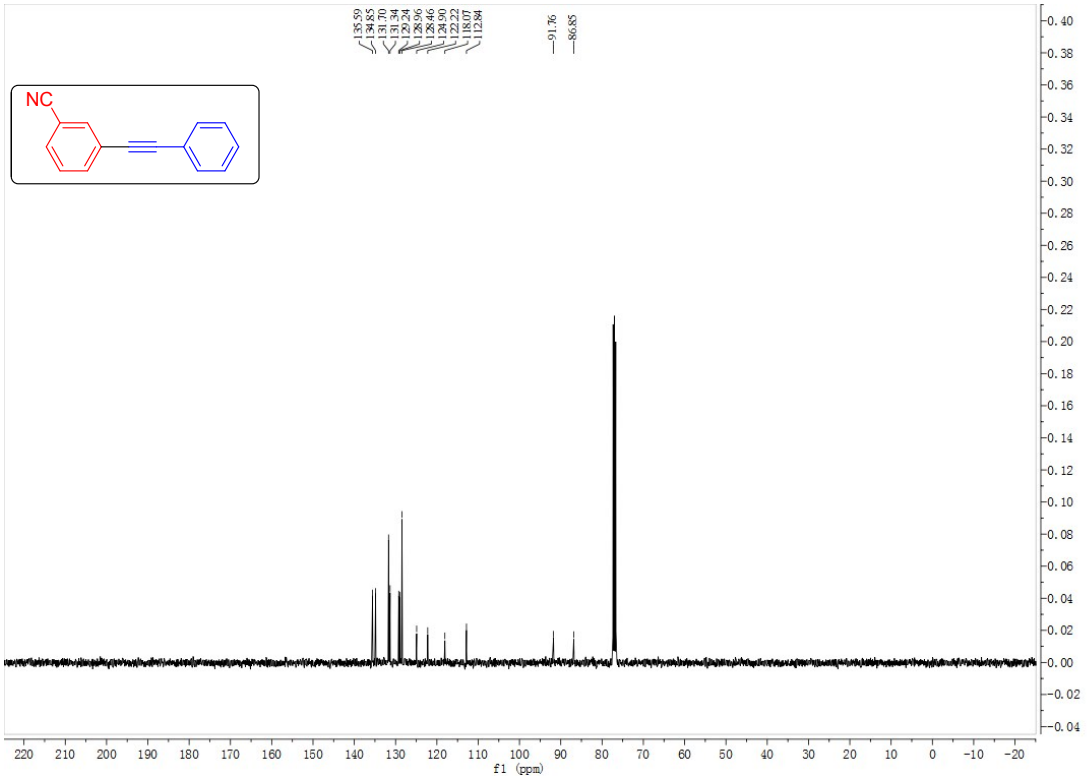


^{1}H NMR and ^{13}C NMR for compound **4fa**

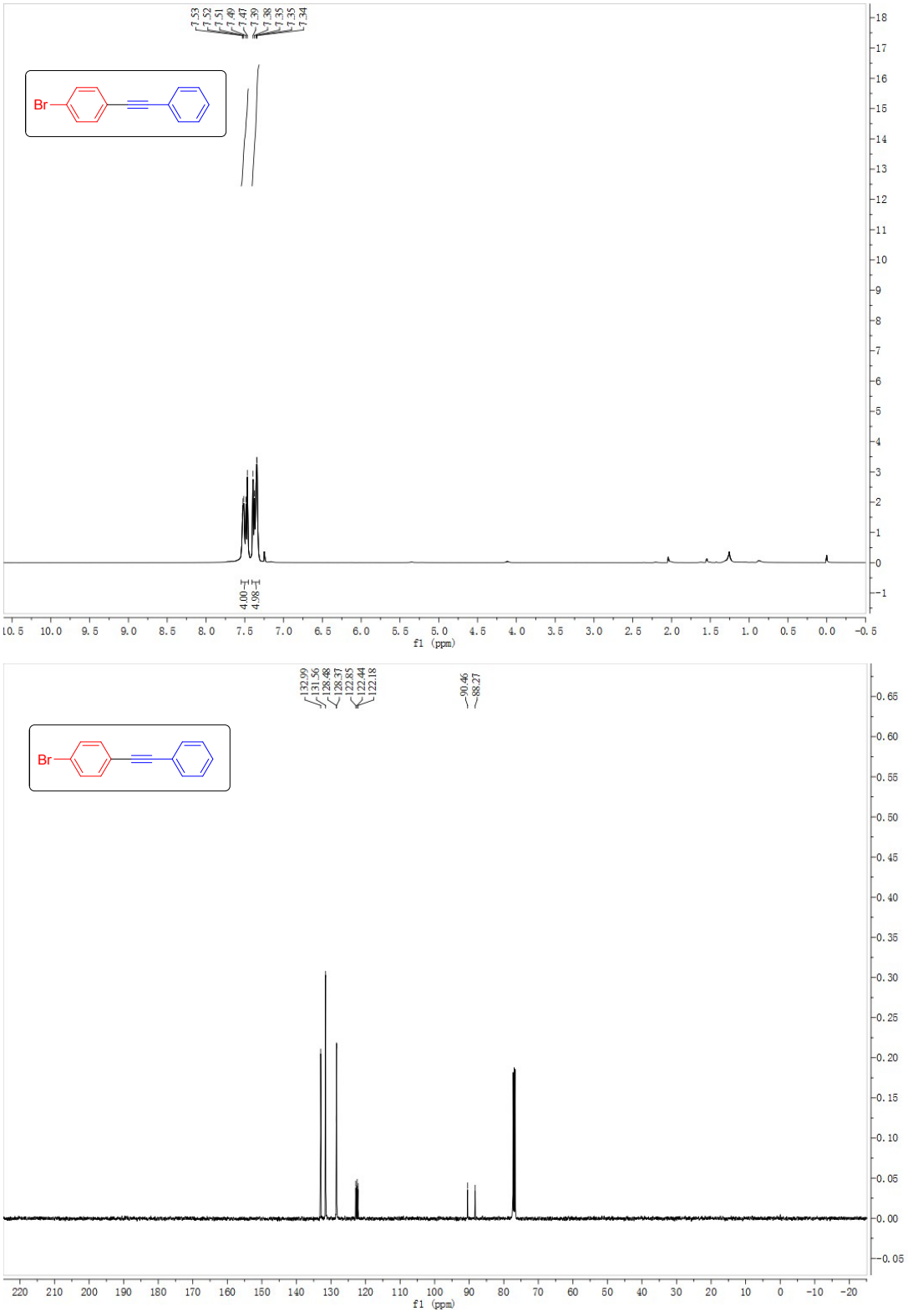


^{1}H NMR and ^{13}C NMR for compound **4gc**

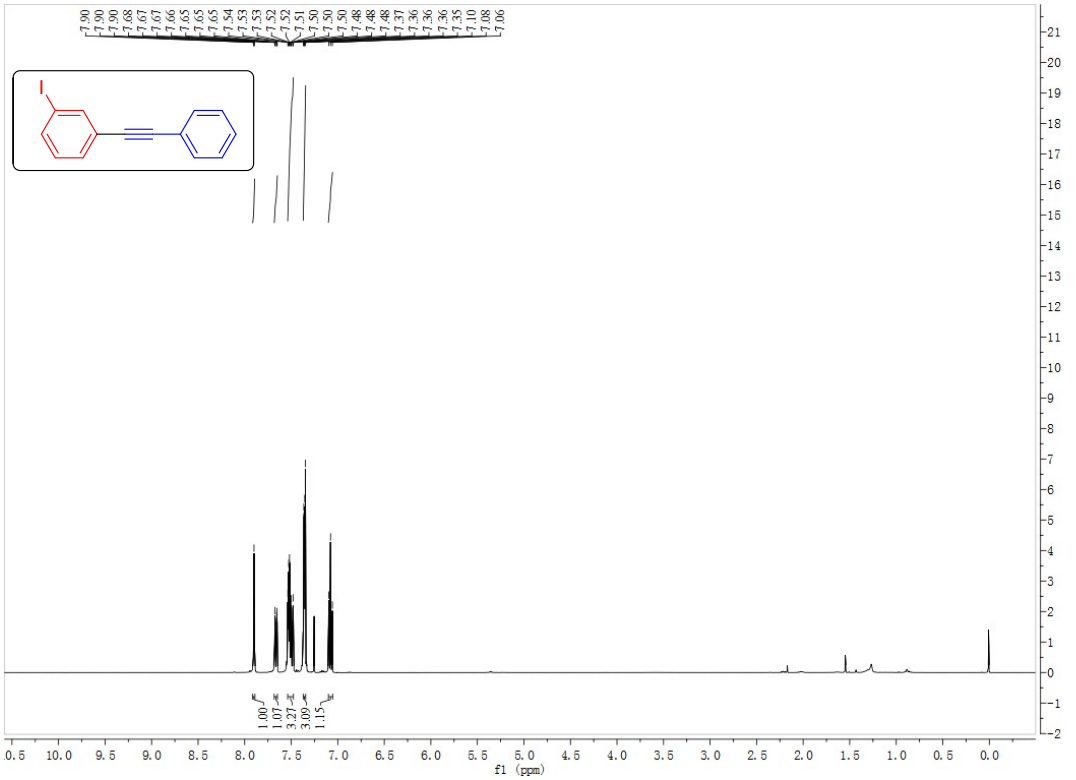


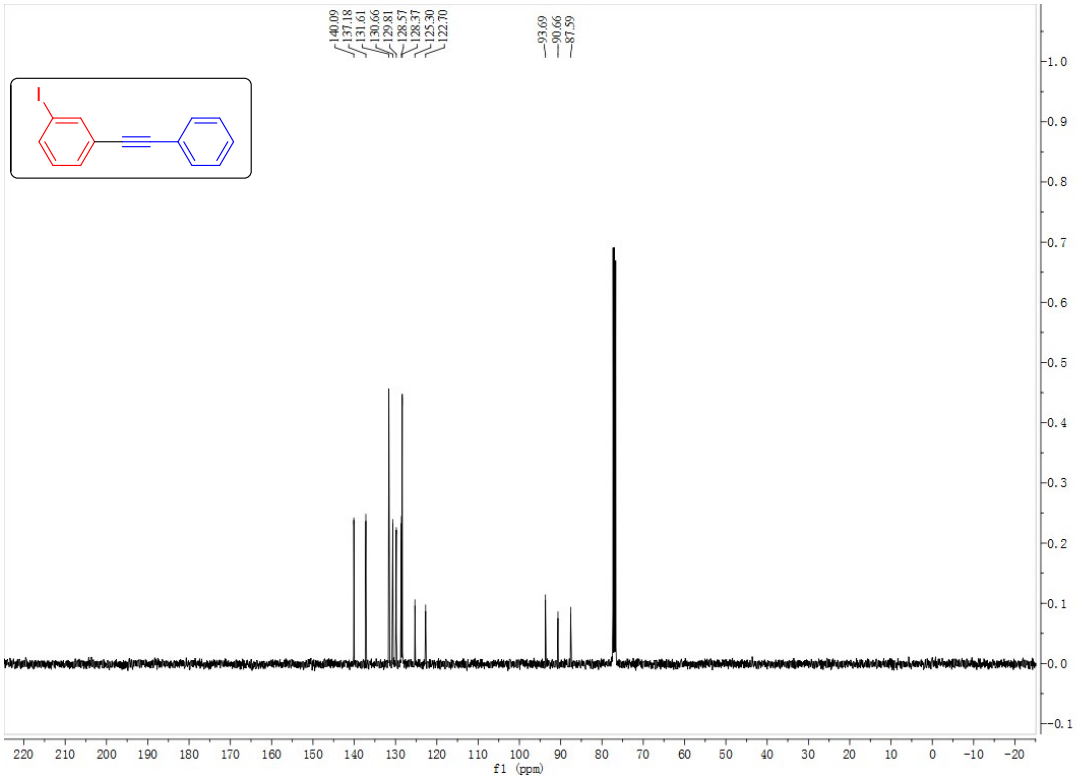


^{1}H NMR and ^{13}C NMR for compound **4ha**

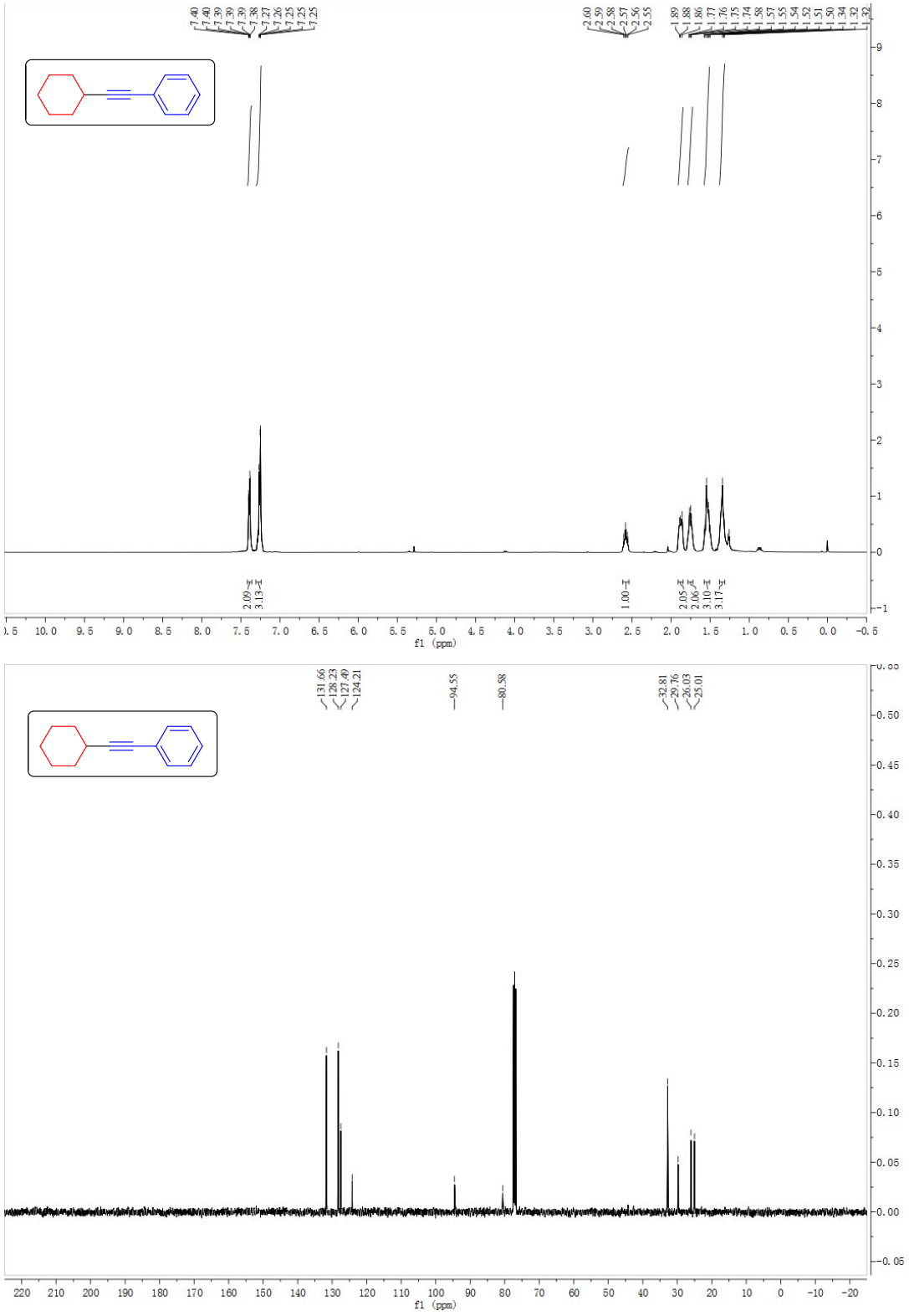


^{1}H NMR and ^{13}C NMR for compound **4ia**





^{1}H NMR and ^{13}C NMR for compound **4ja**



^{1}H NMR and ^{13}C NMR for compound **4ka**