

Enantioselective Synthesis of *anti*- and *syn*-Homopropargyl Alcohols via Chiral Brønsted Acid Catalyzed Asymmetric Allenylboration Reactions

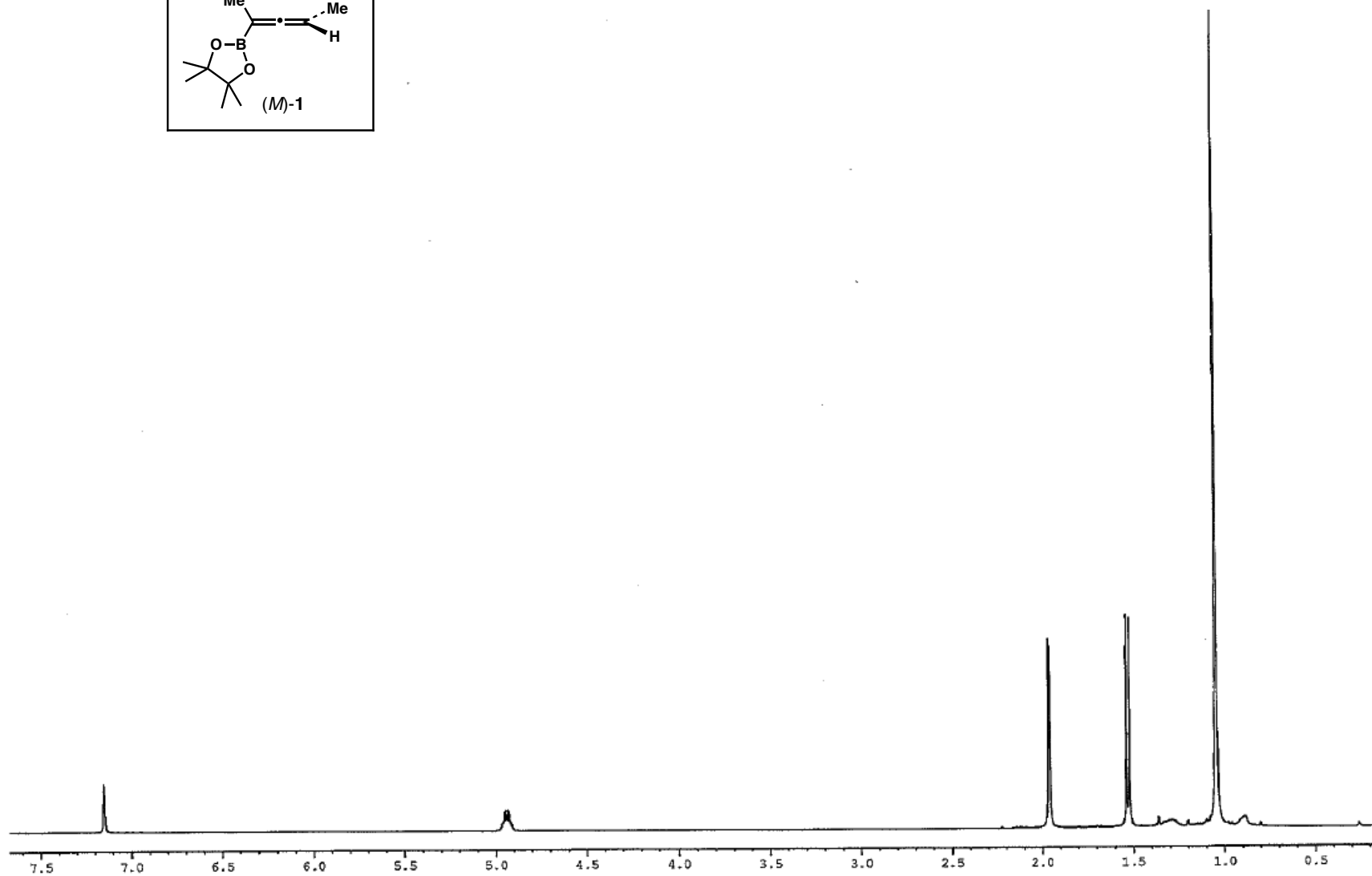
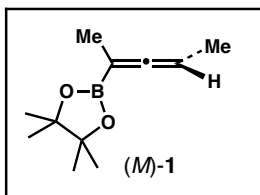
*Ming Chen and William R. Roush**

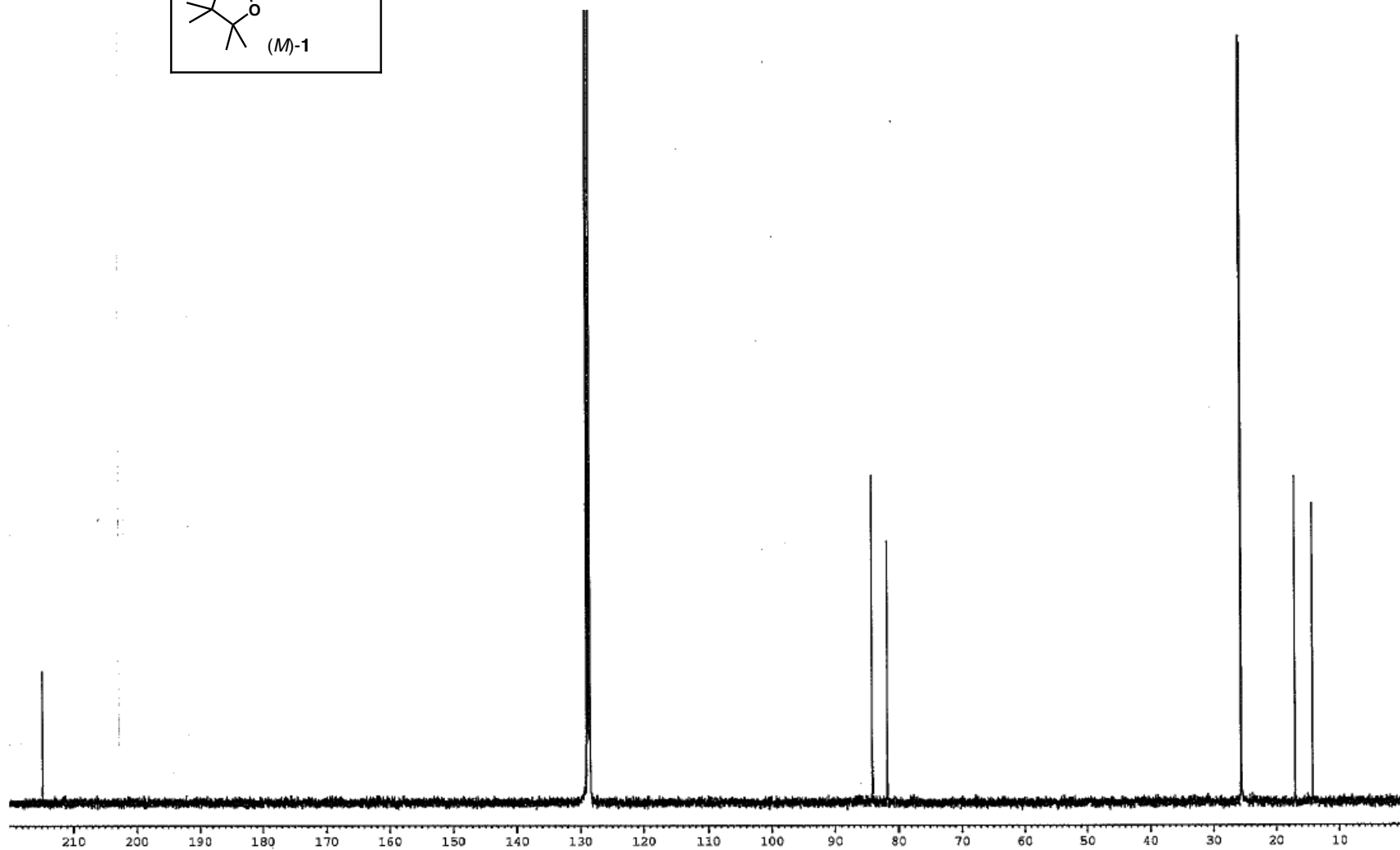
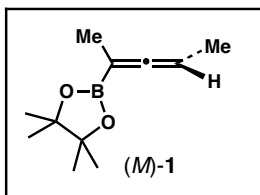
Department of Chemistry

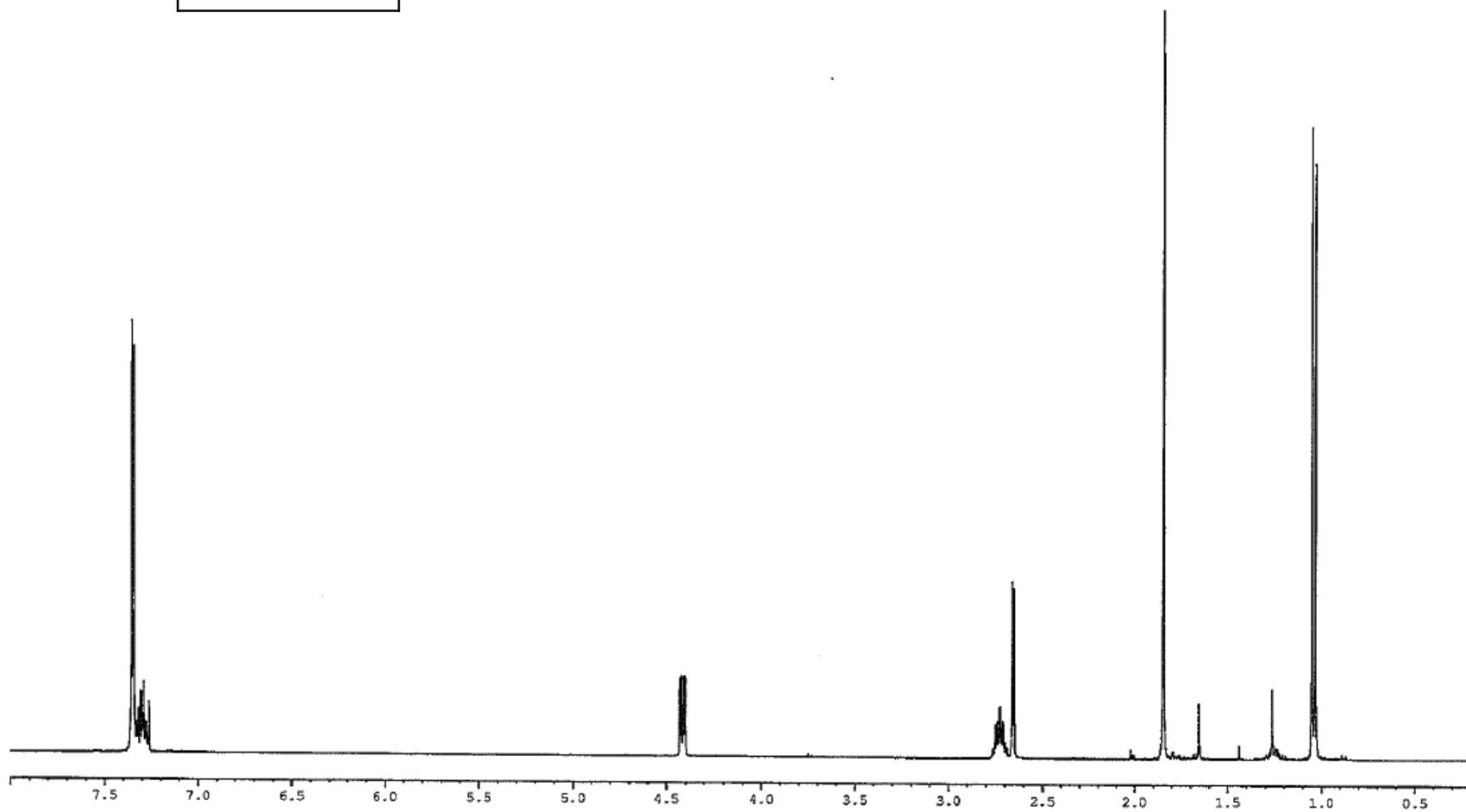
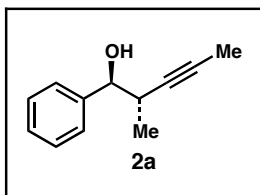
Scripps Florida, Jupiter, FL 33458

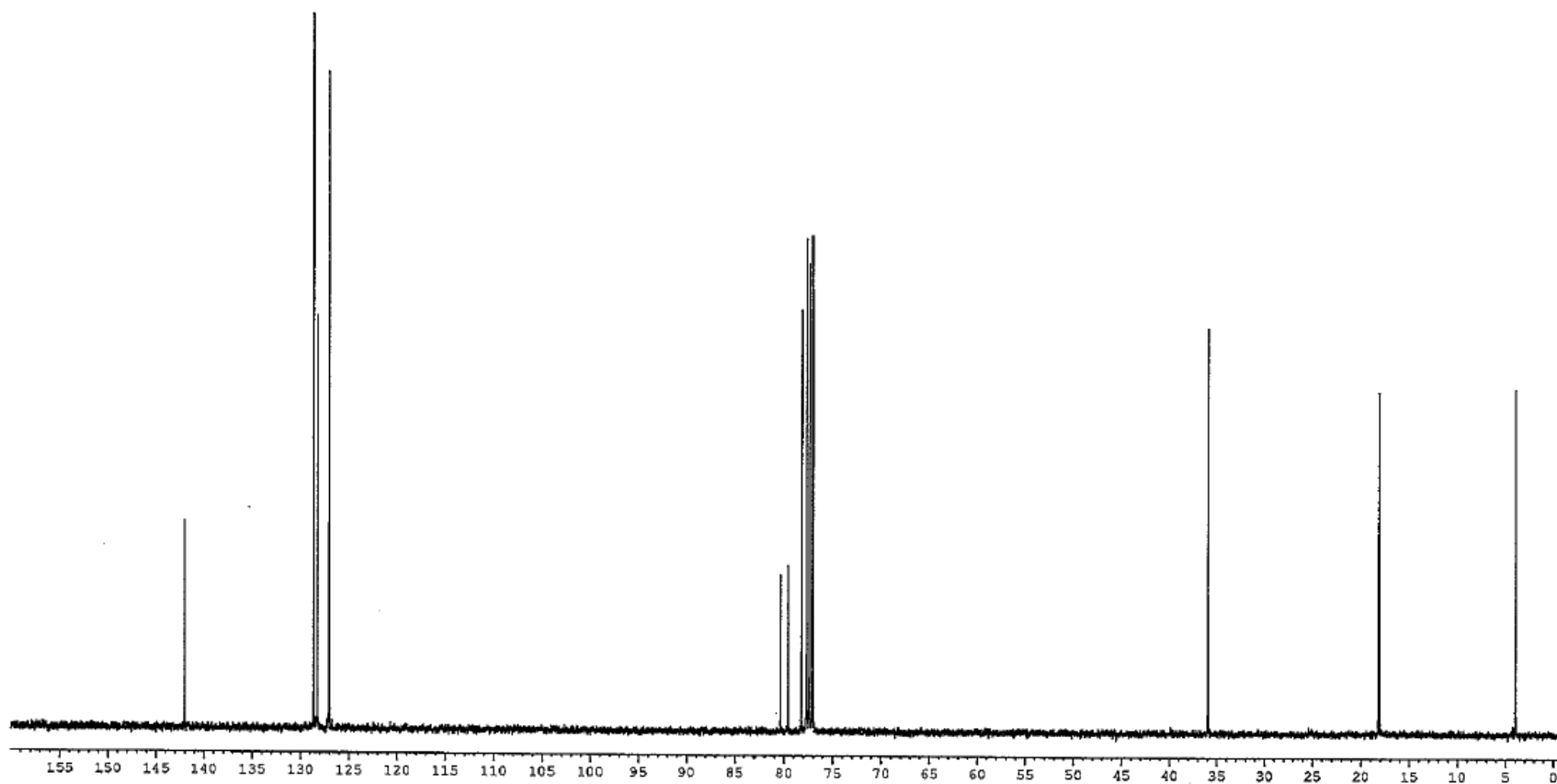
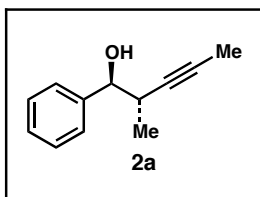
e-mail: roush@scripps.edu

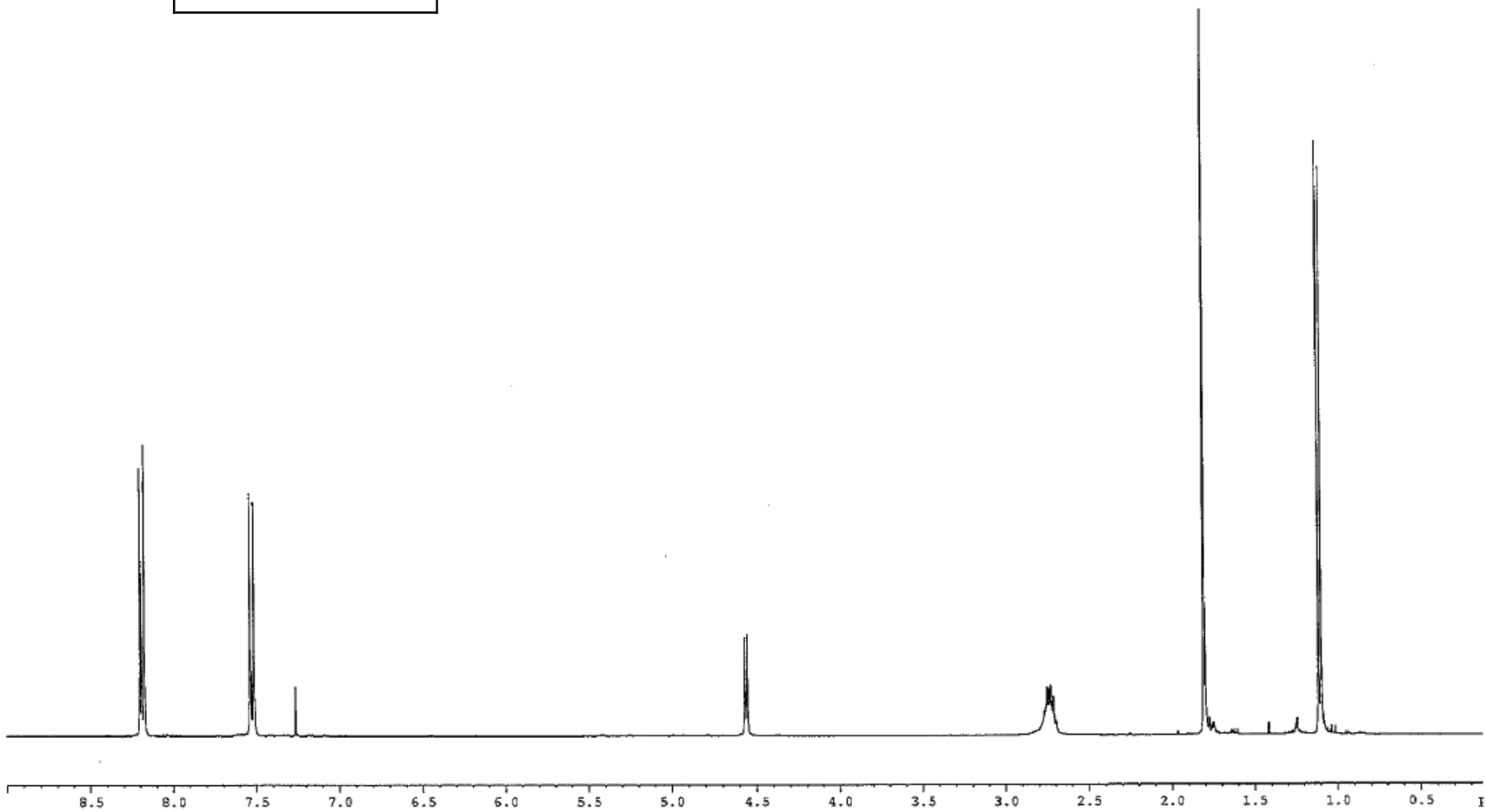
Supporting Information II: ^1H and ^{13}C Spectra of New Compounds

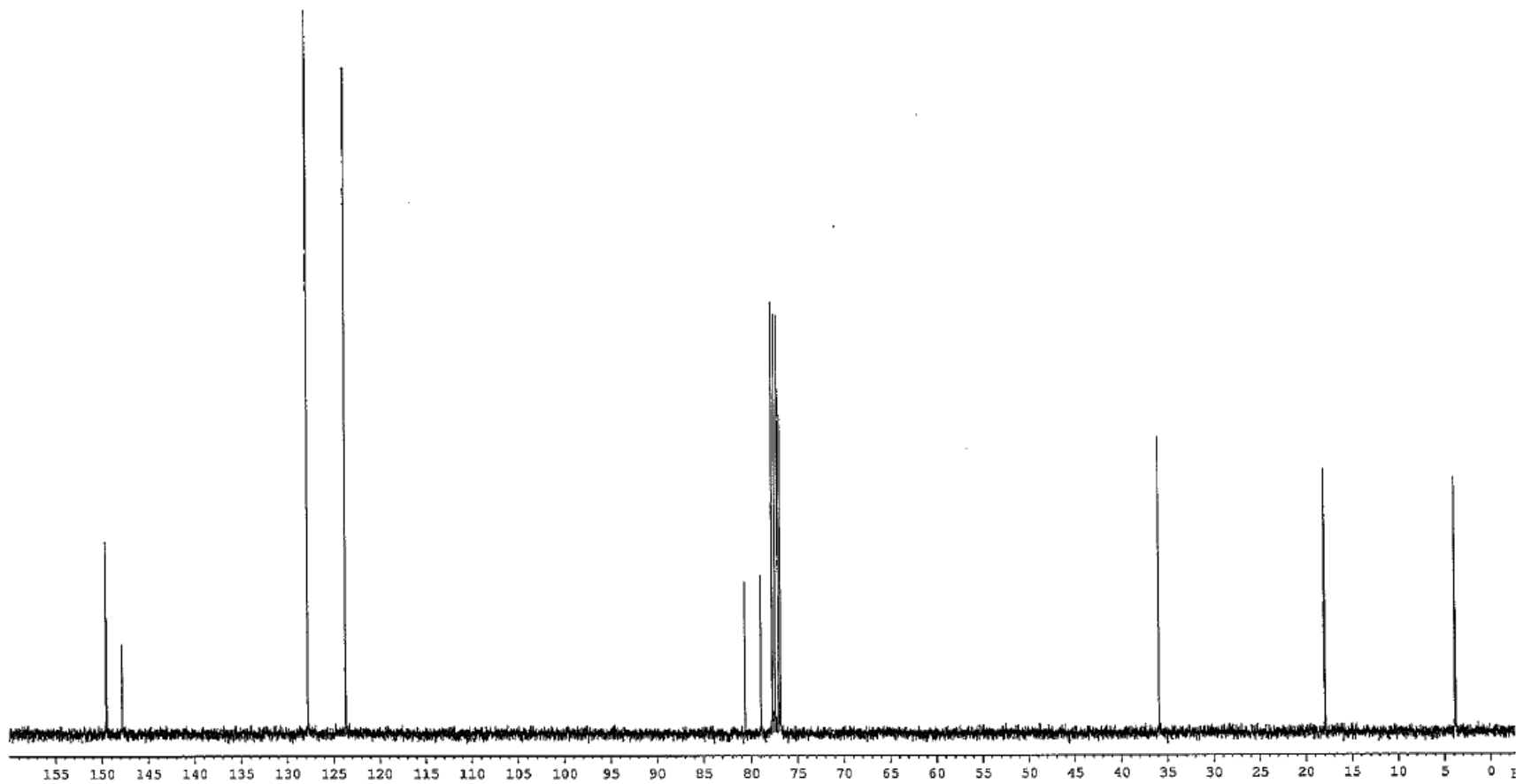
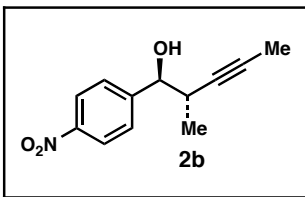


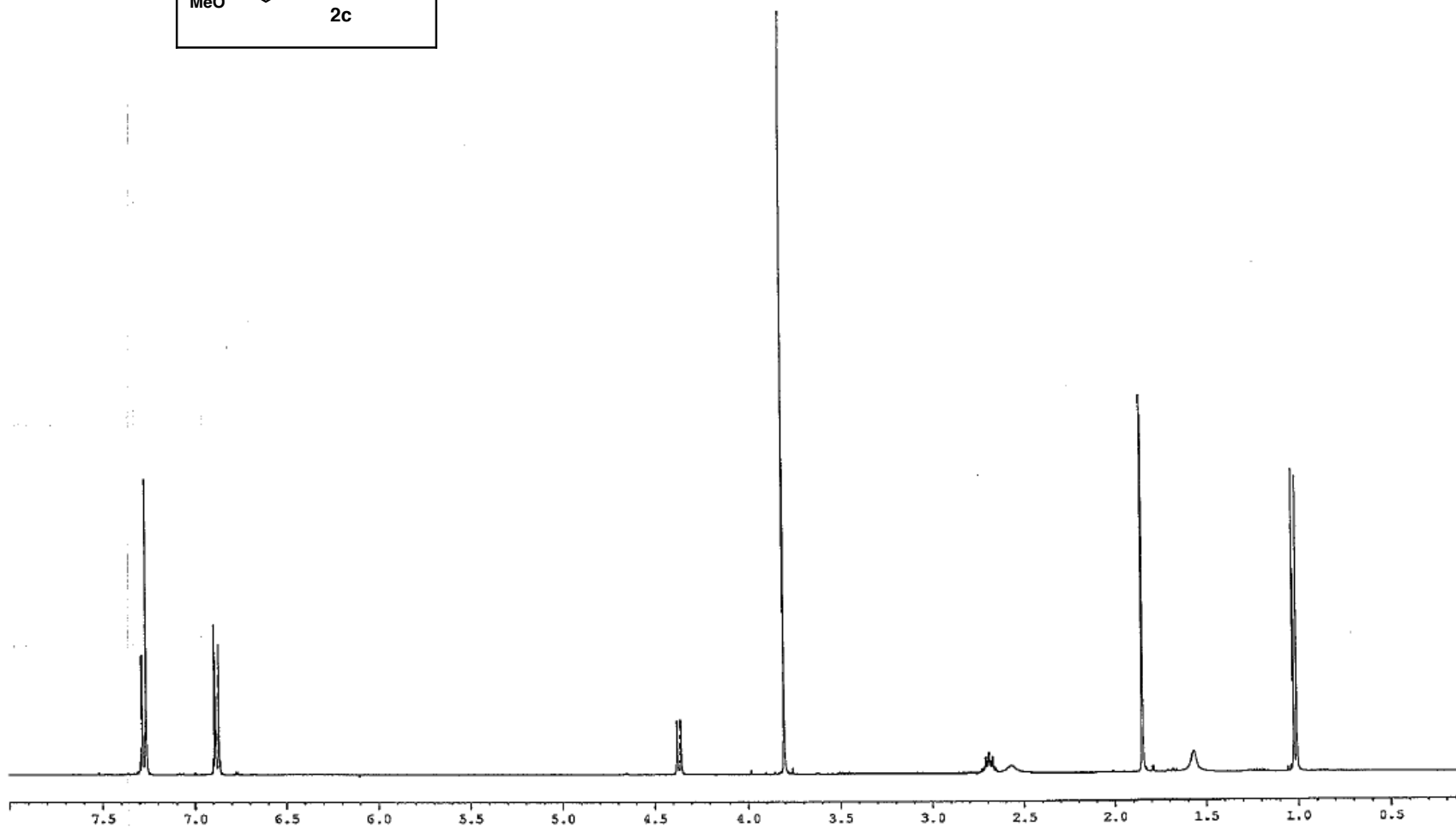
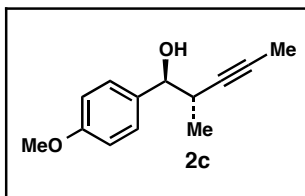


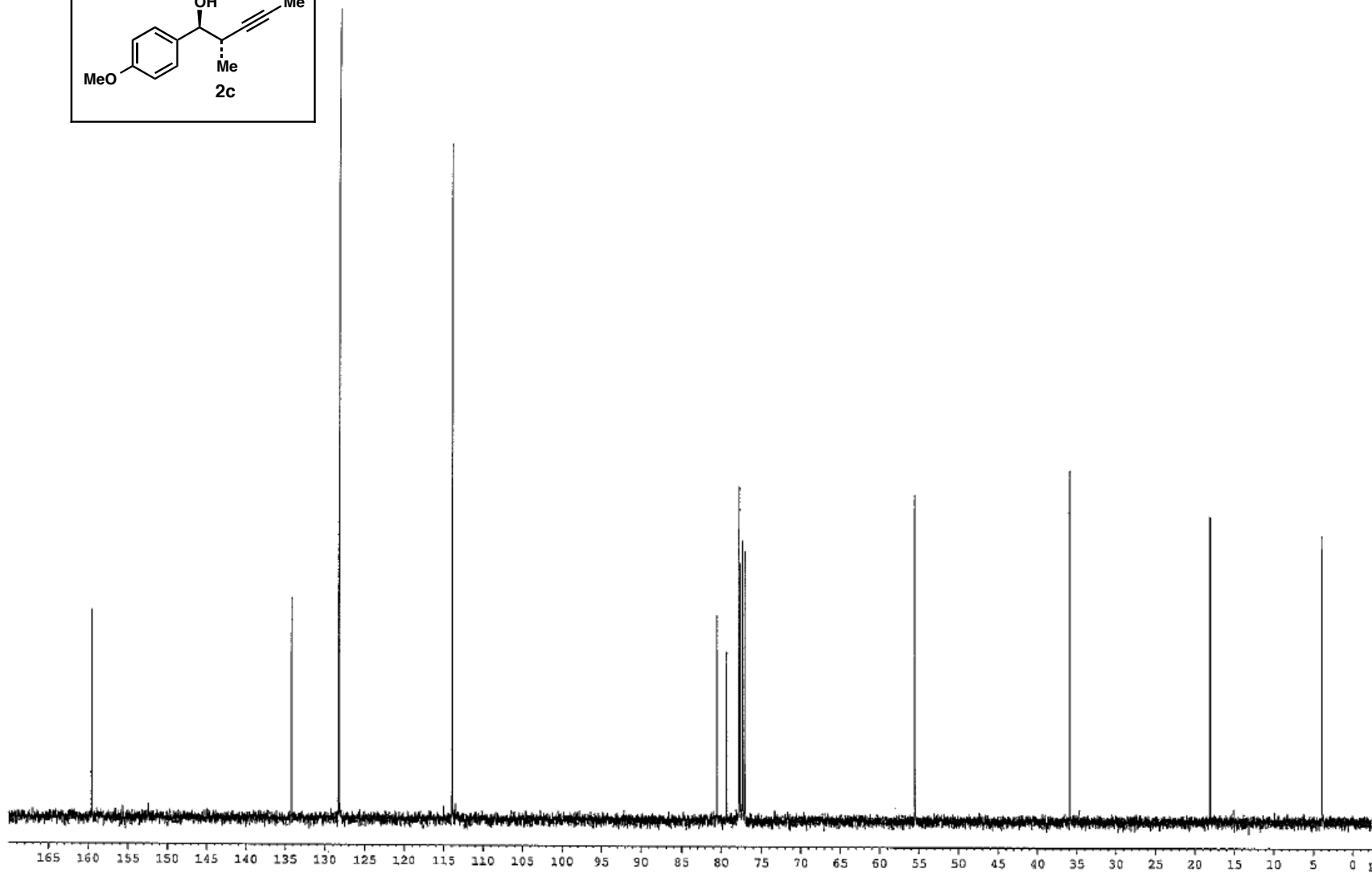
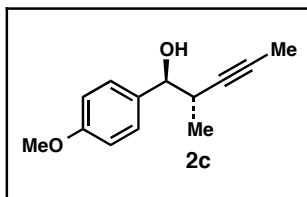


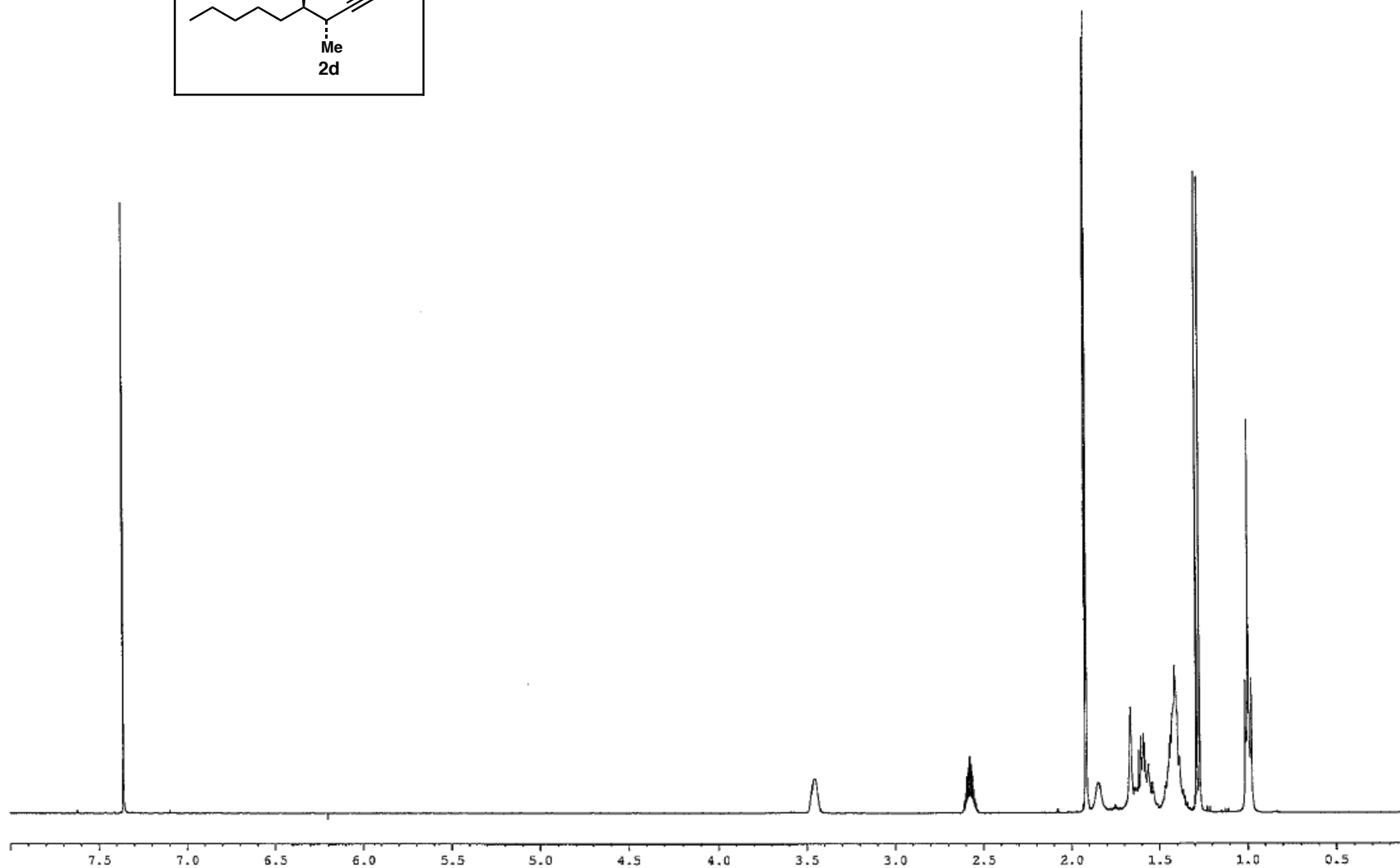
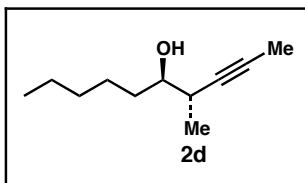


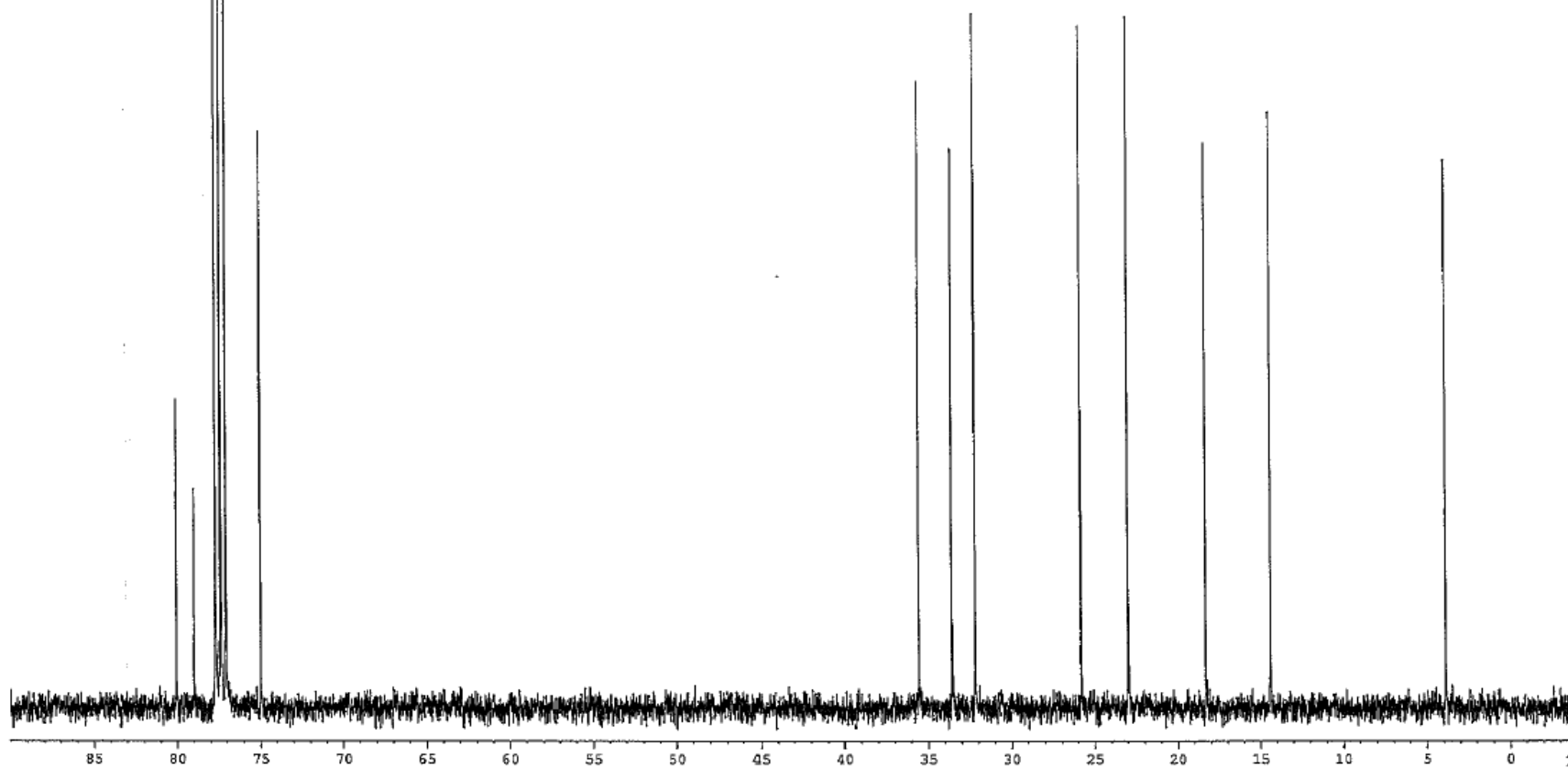
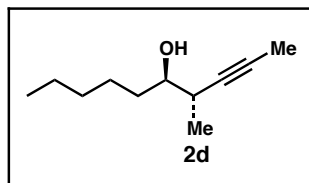


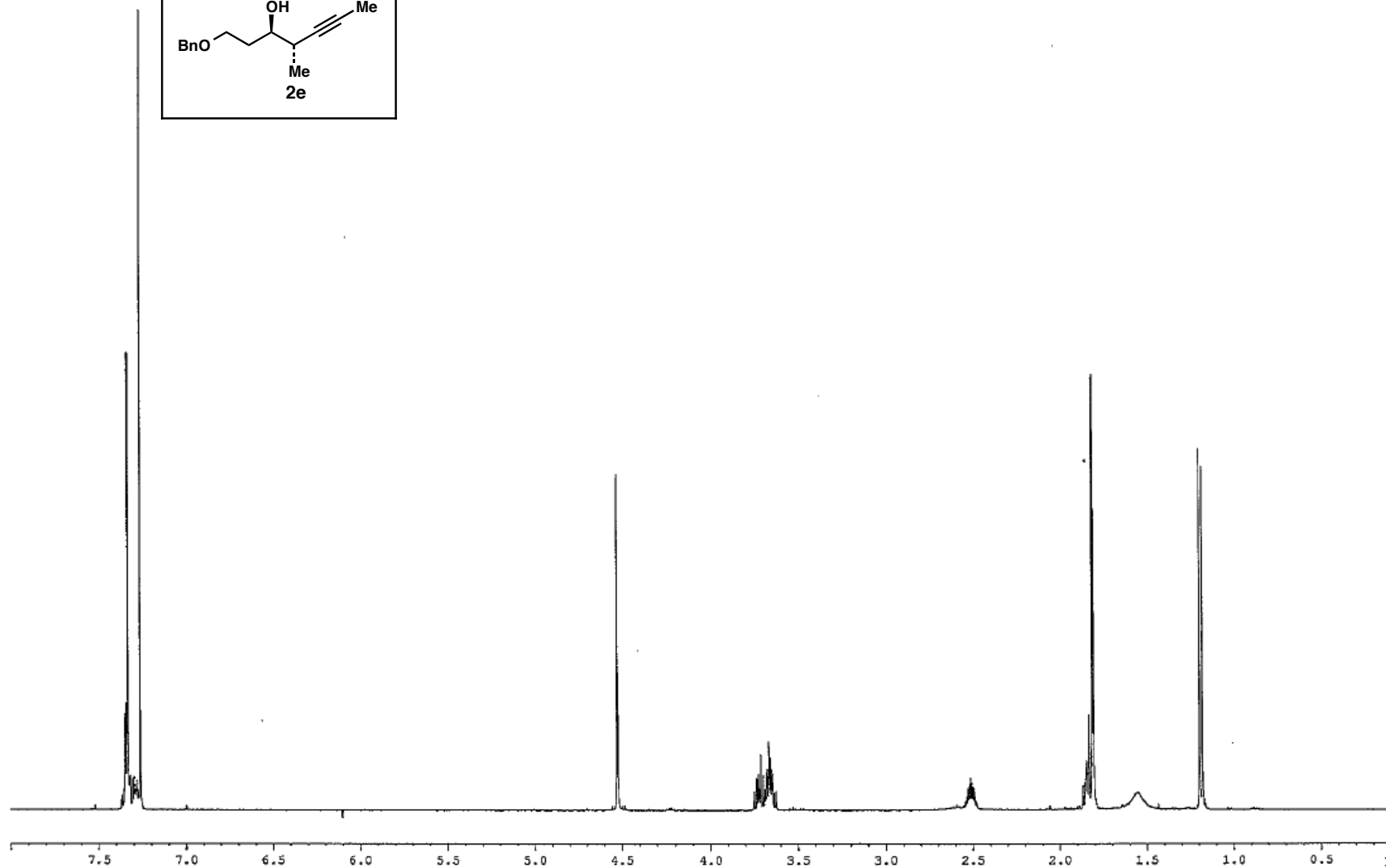
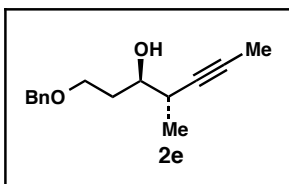


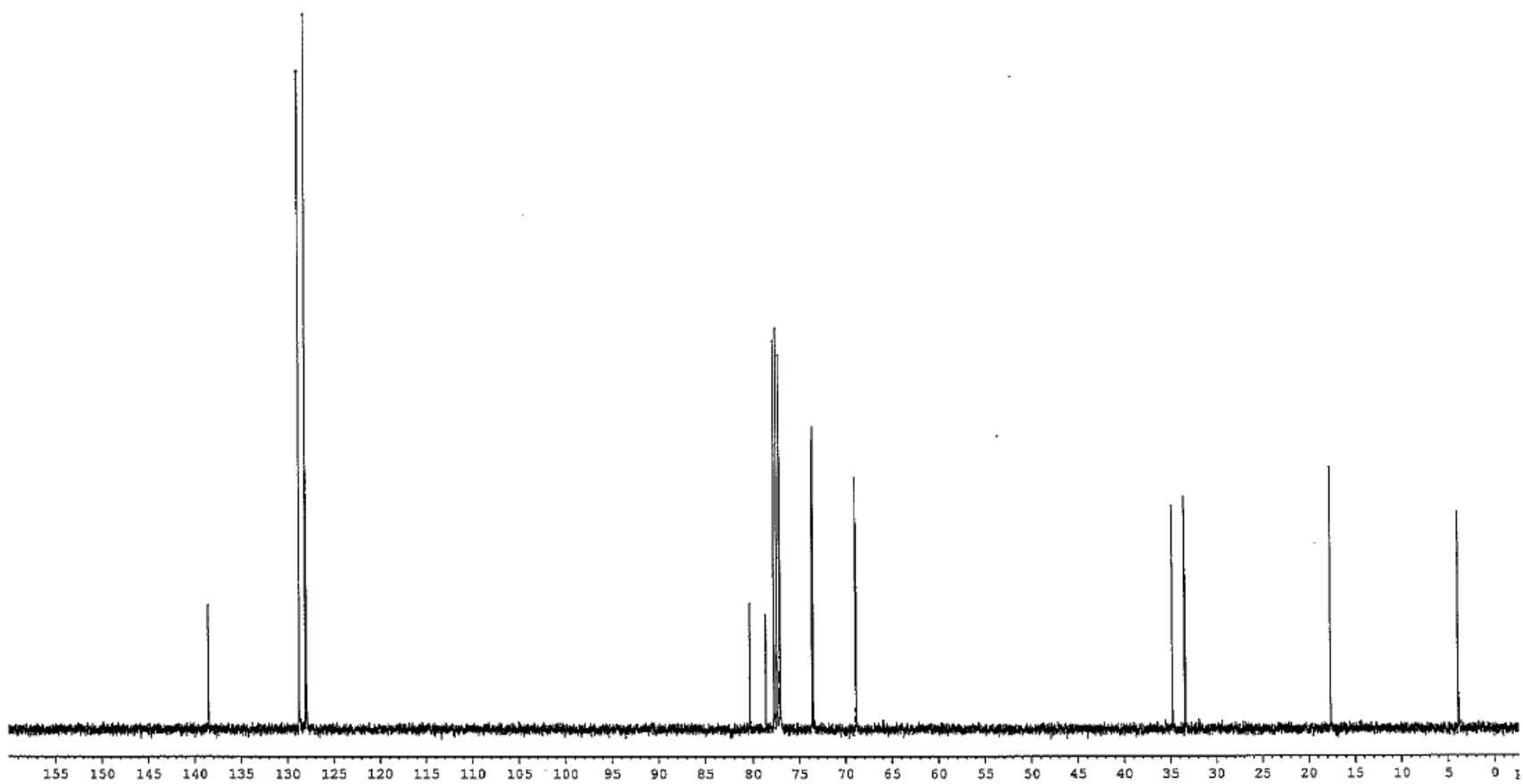
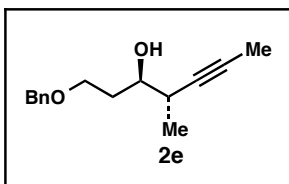


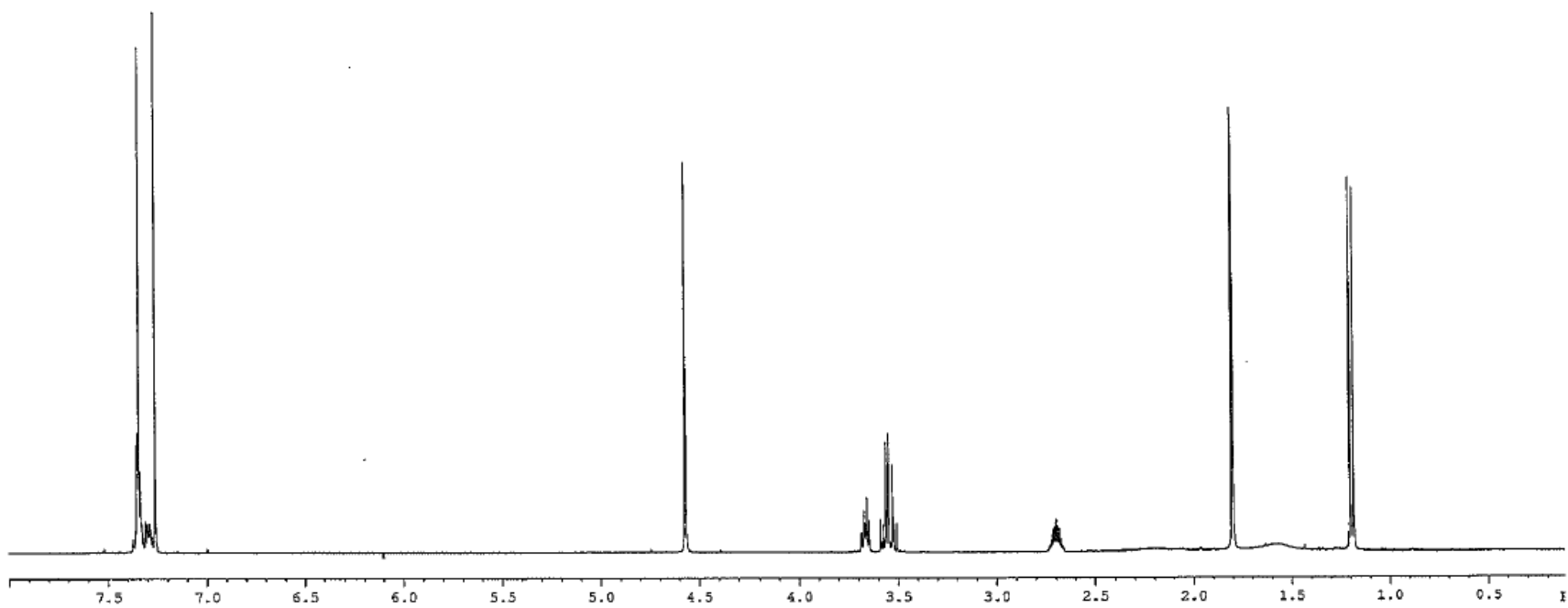
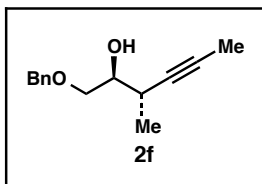


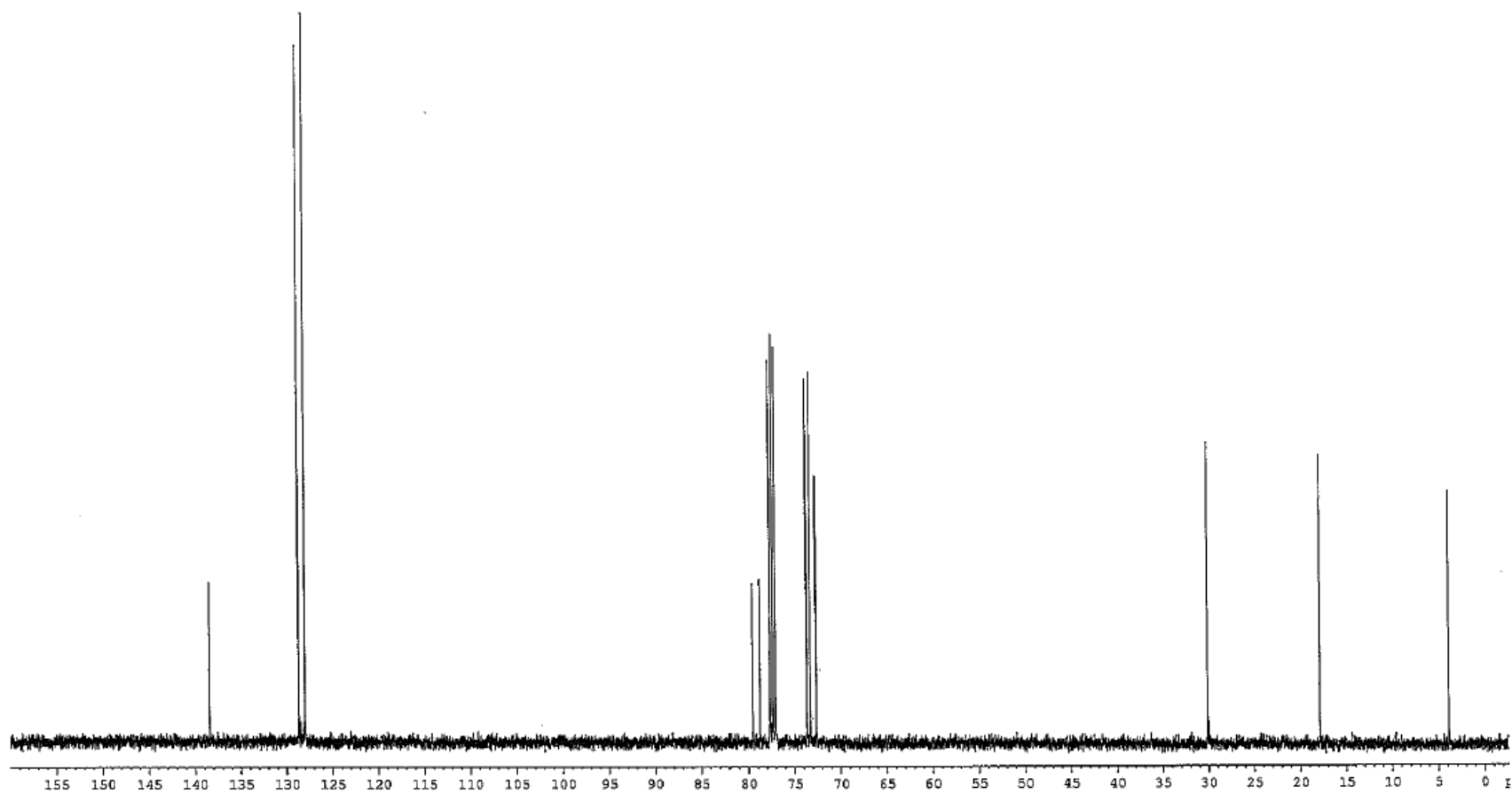
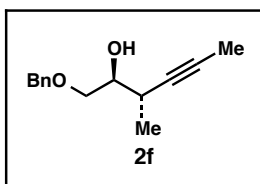


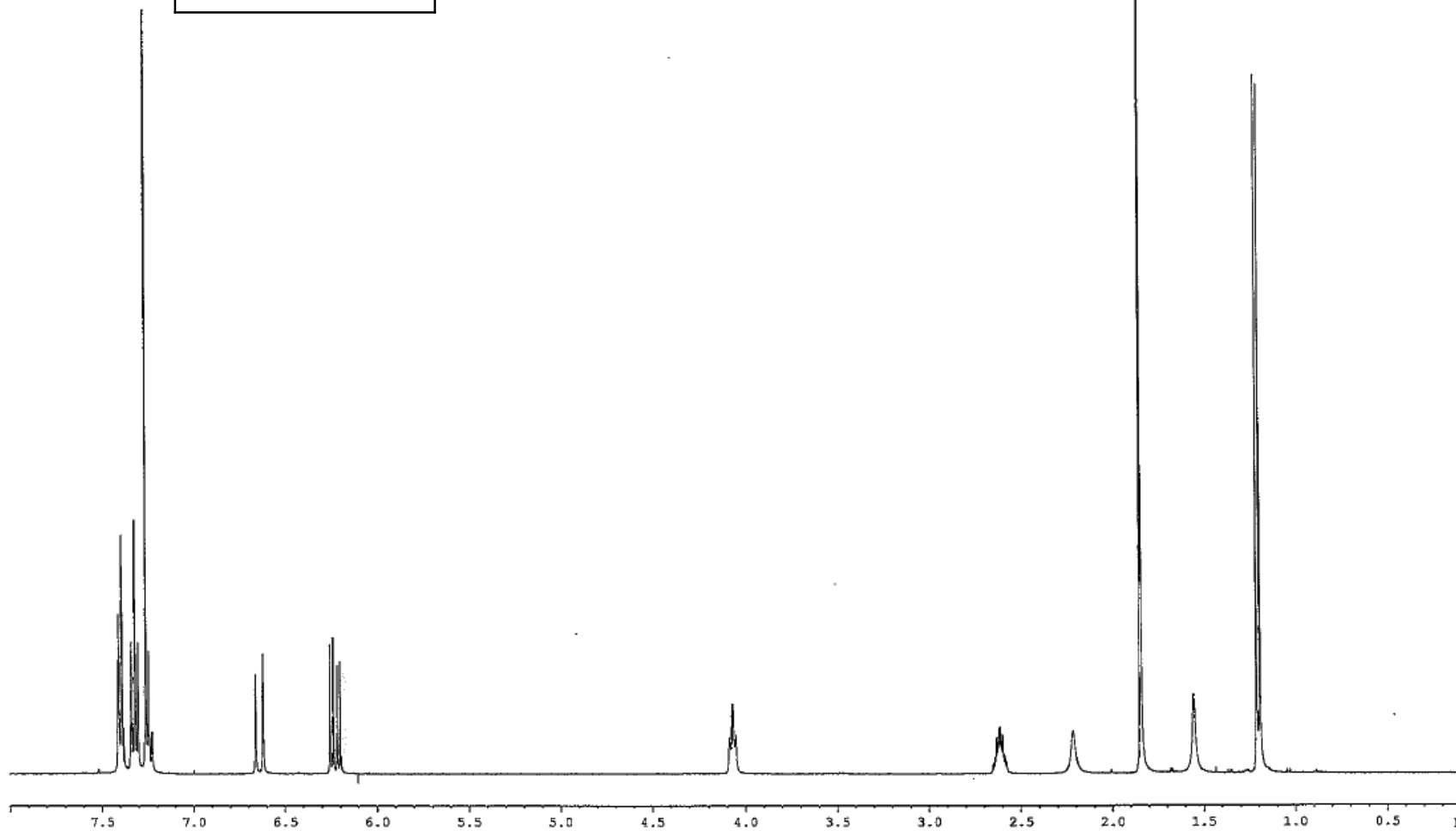
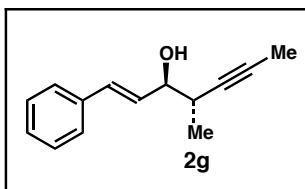


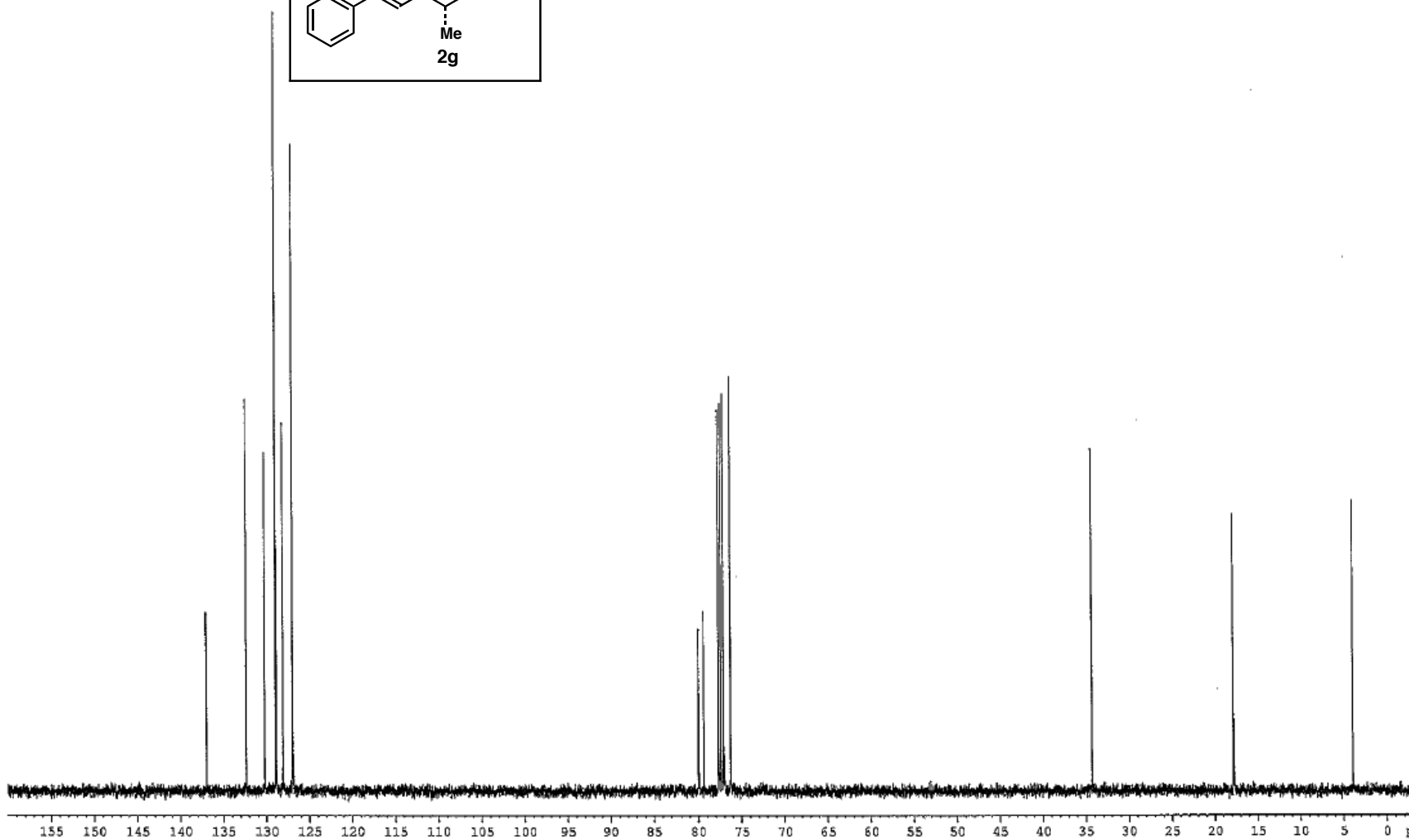
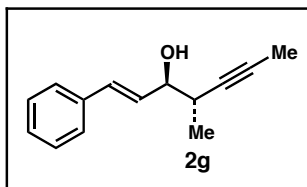


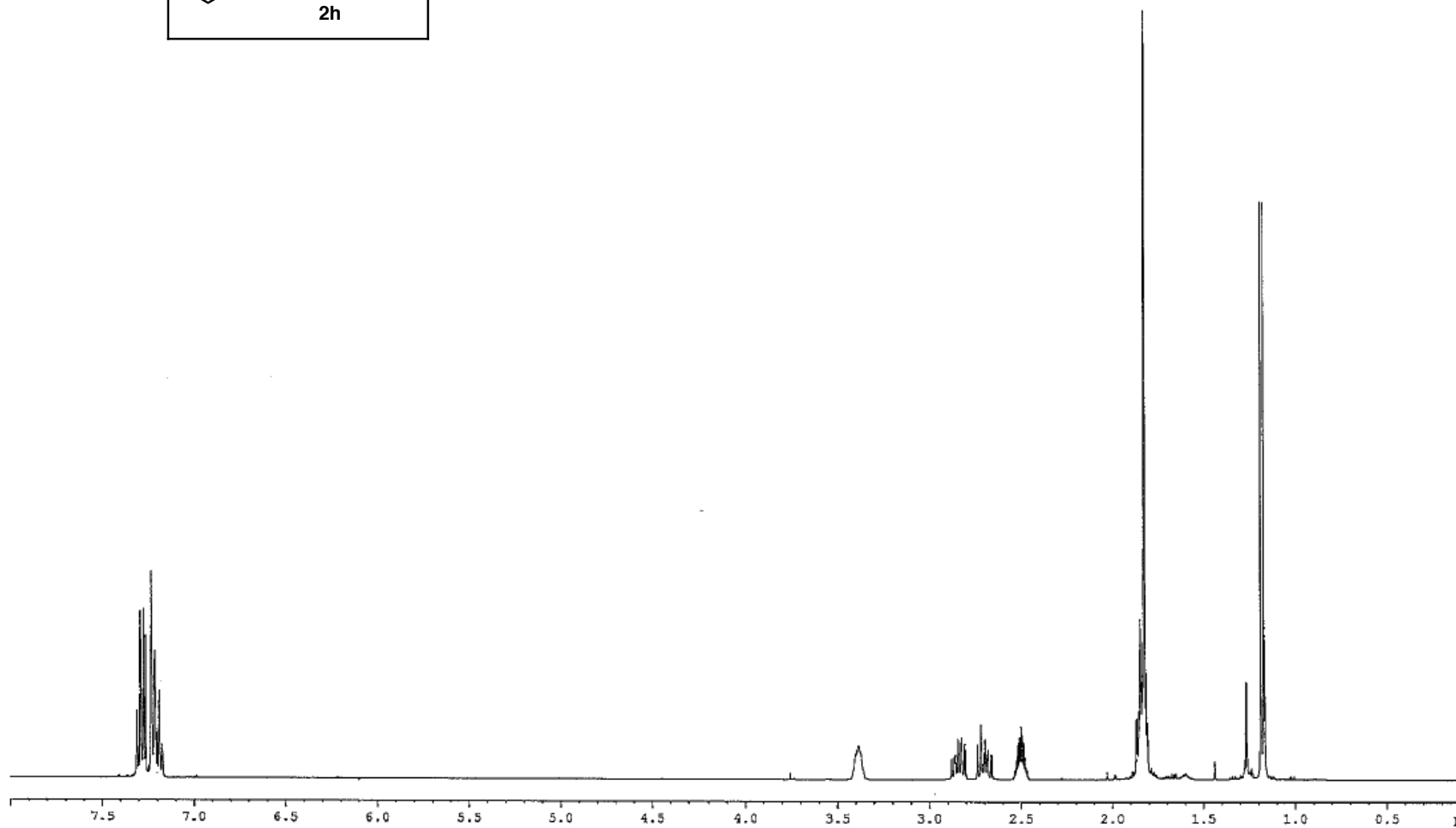
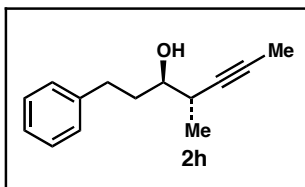


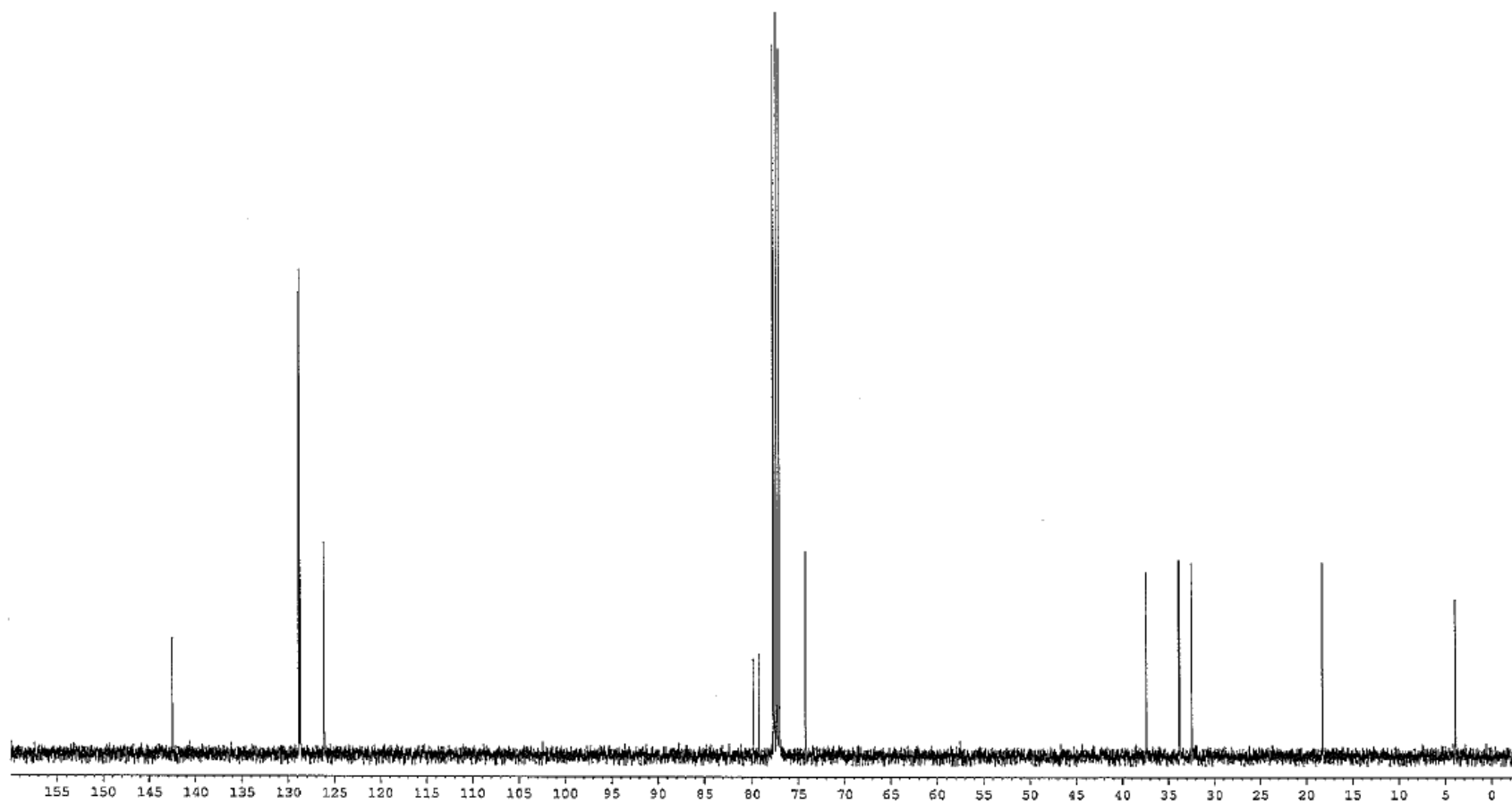
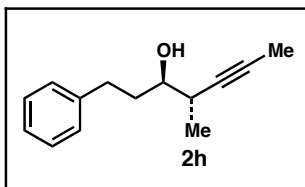


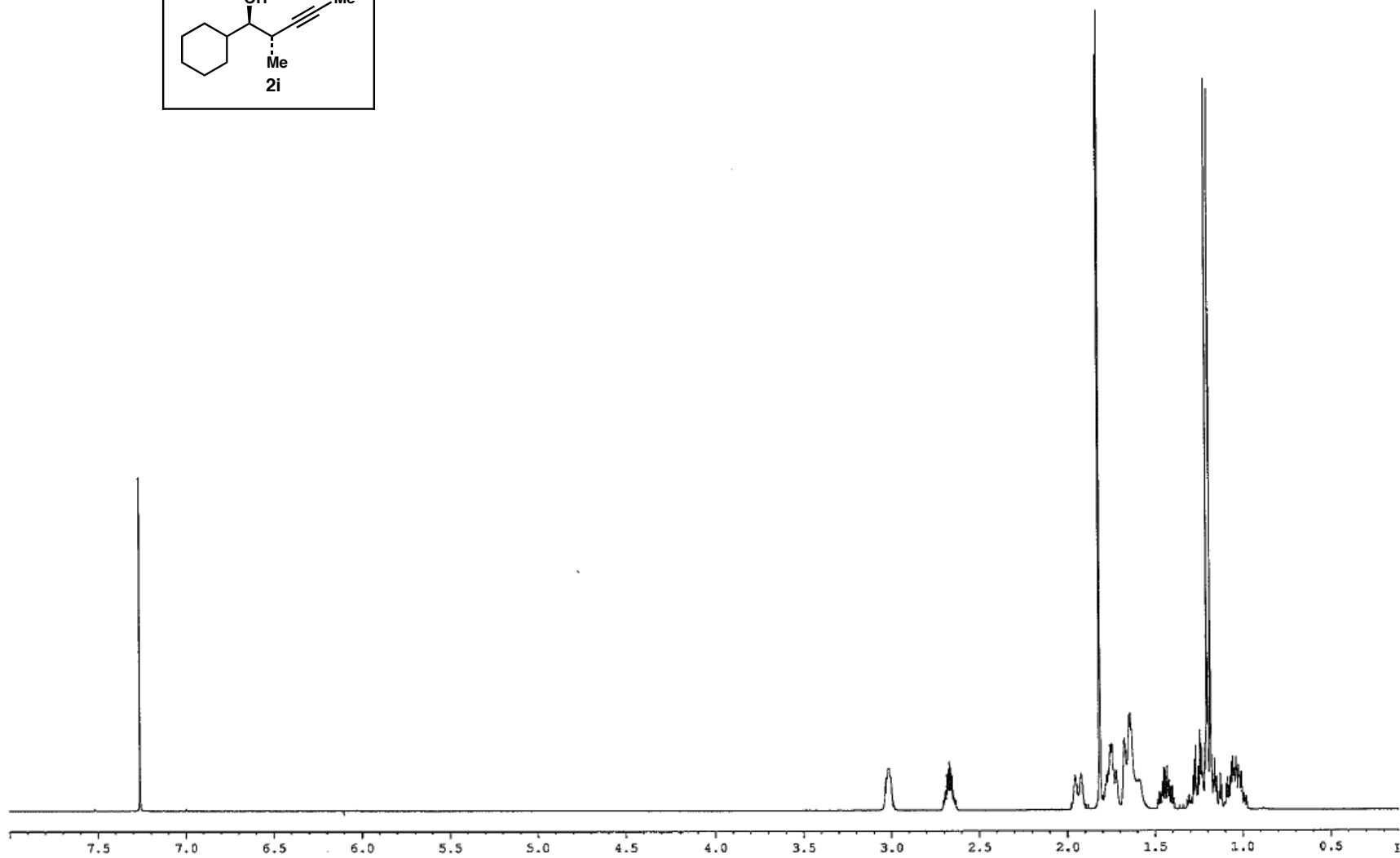
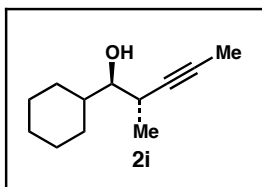


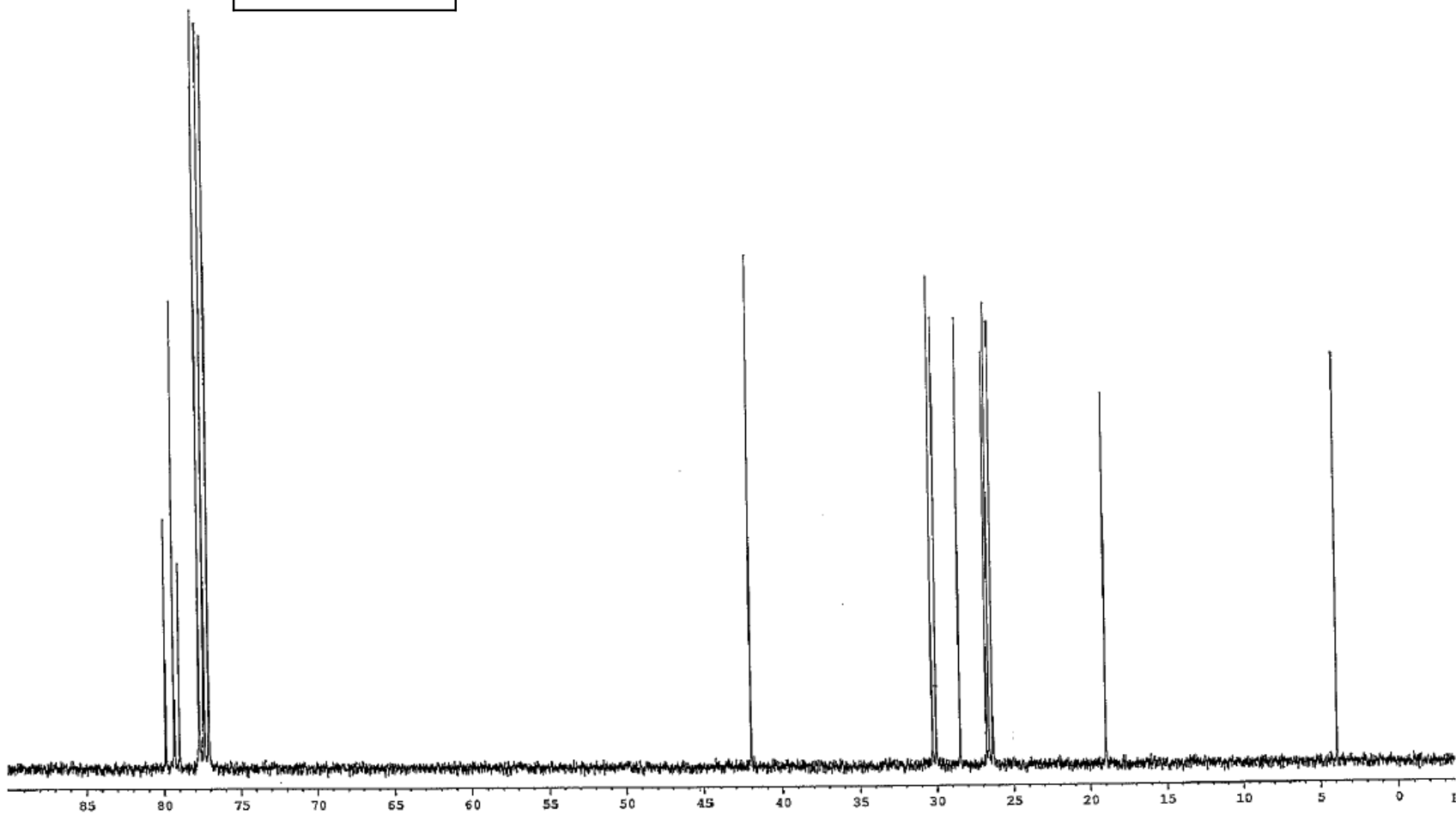
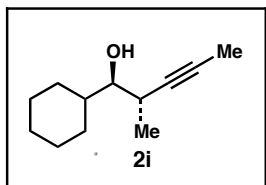


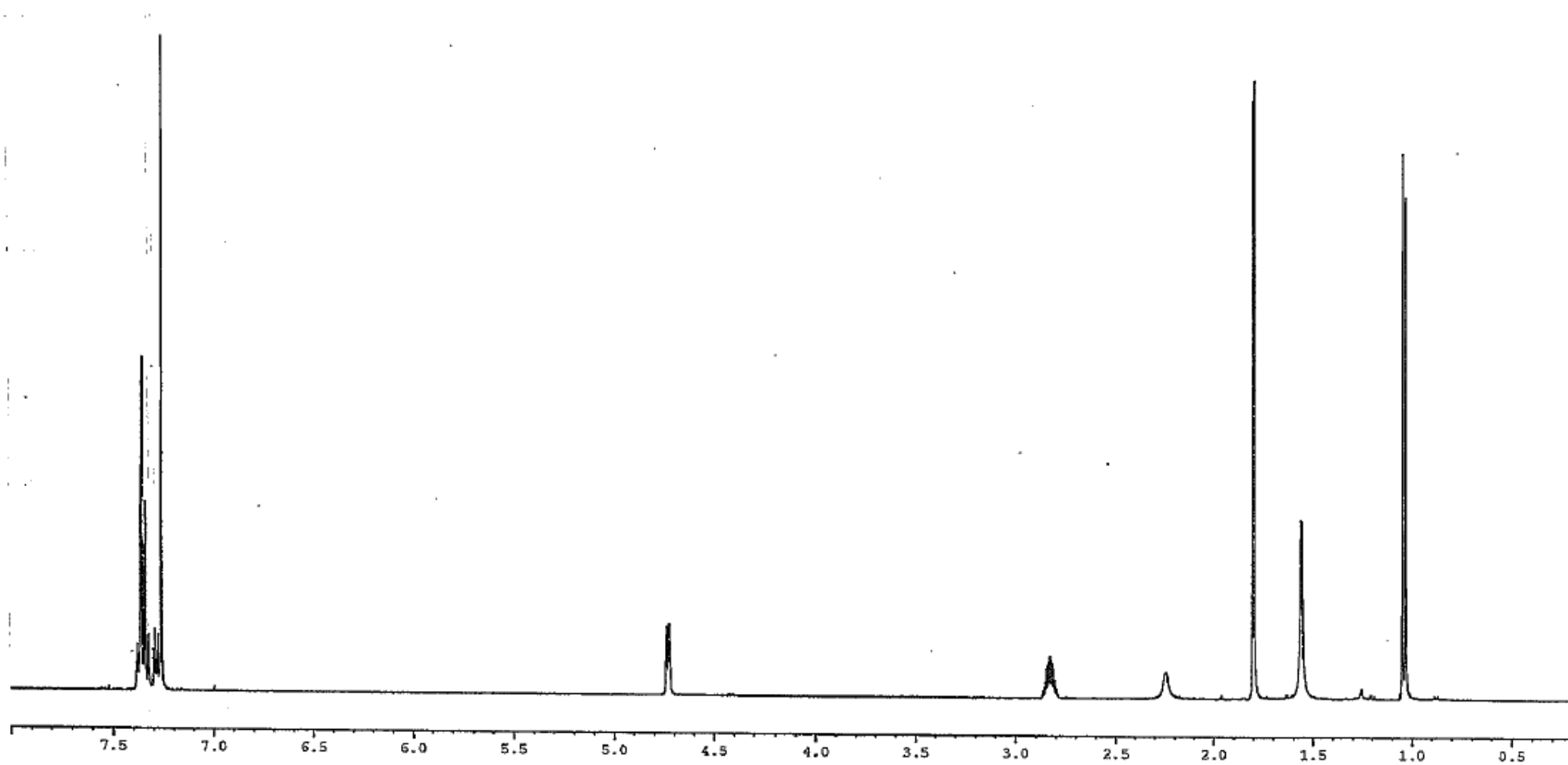
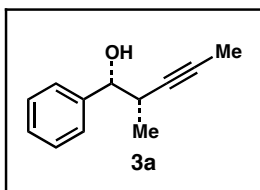


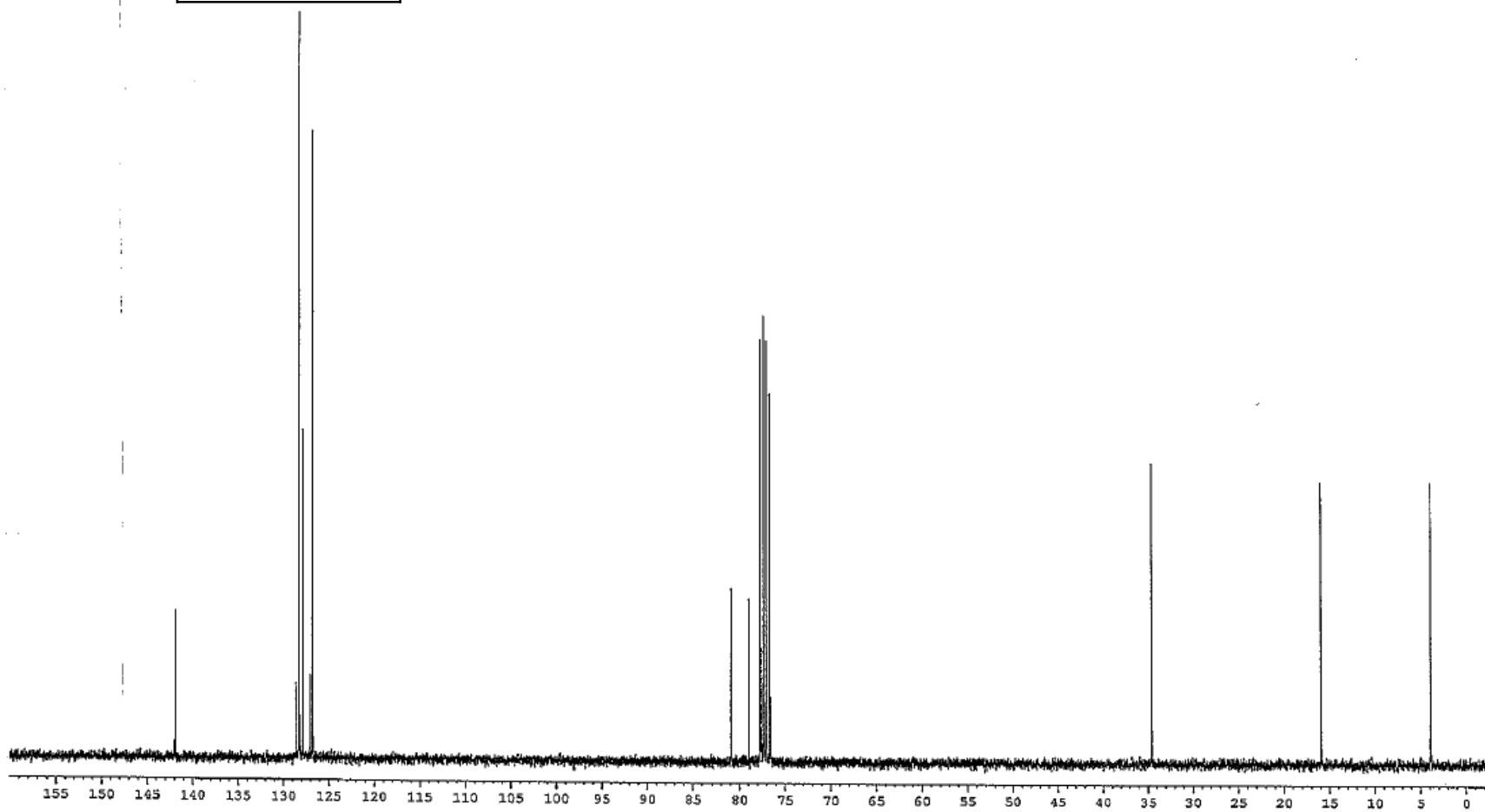
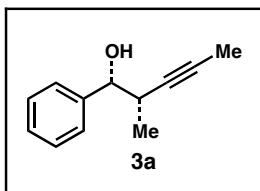


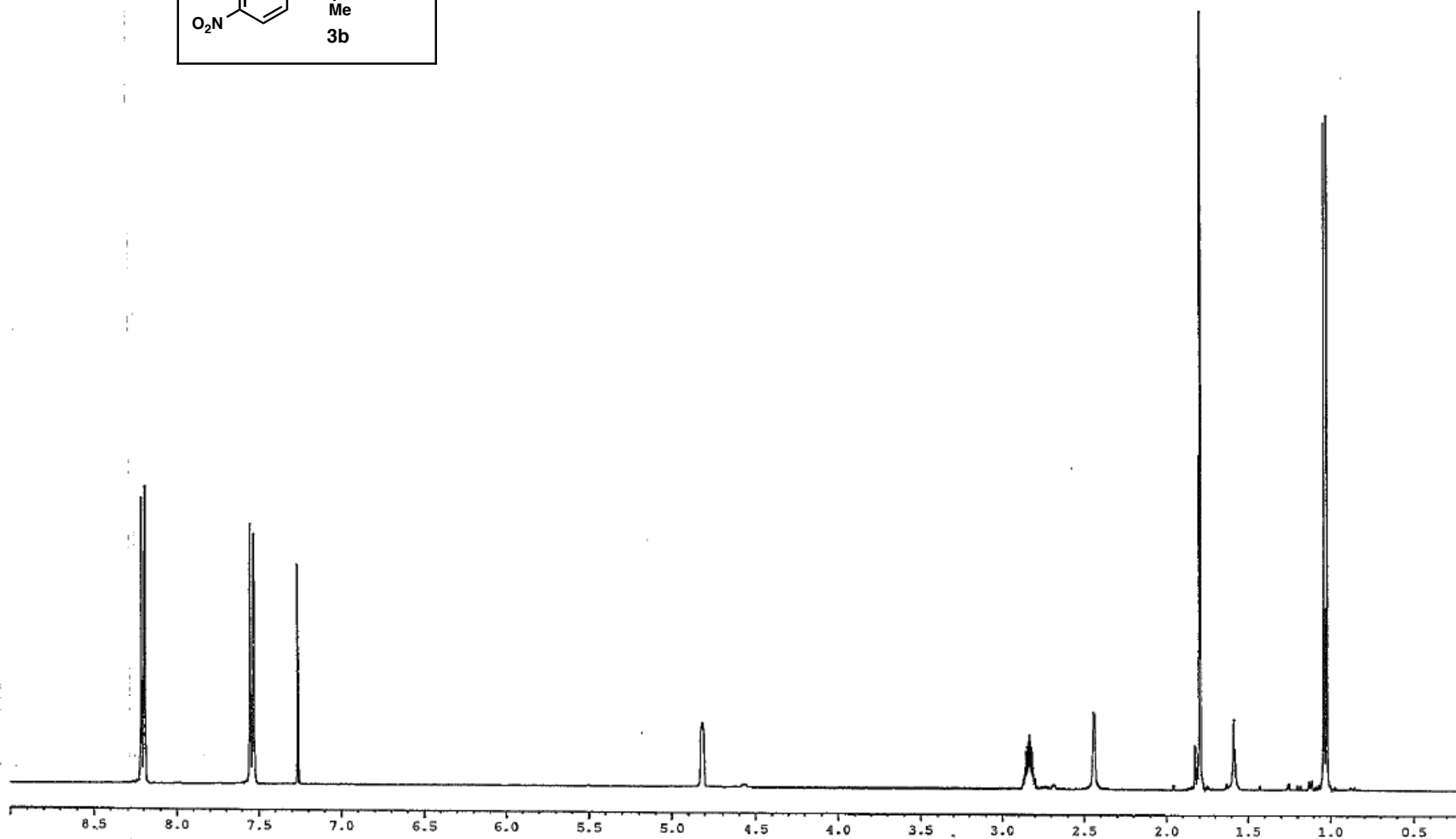
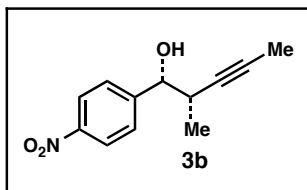


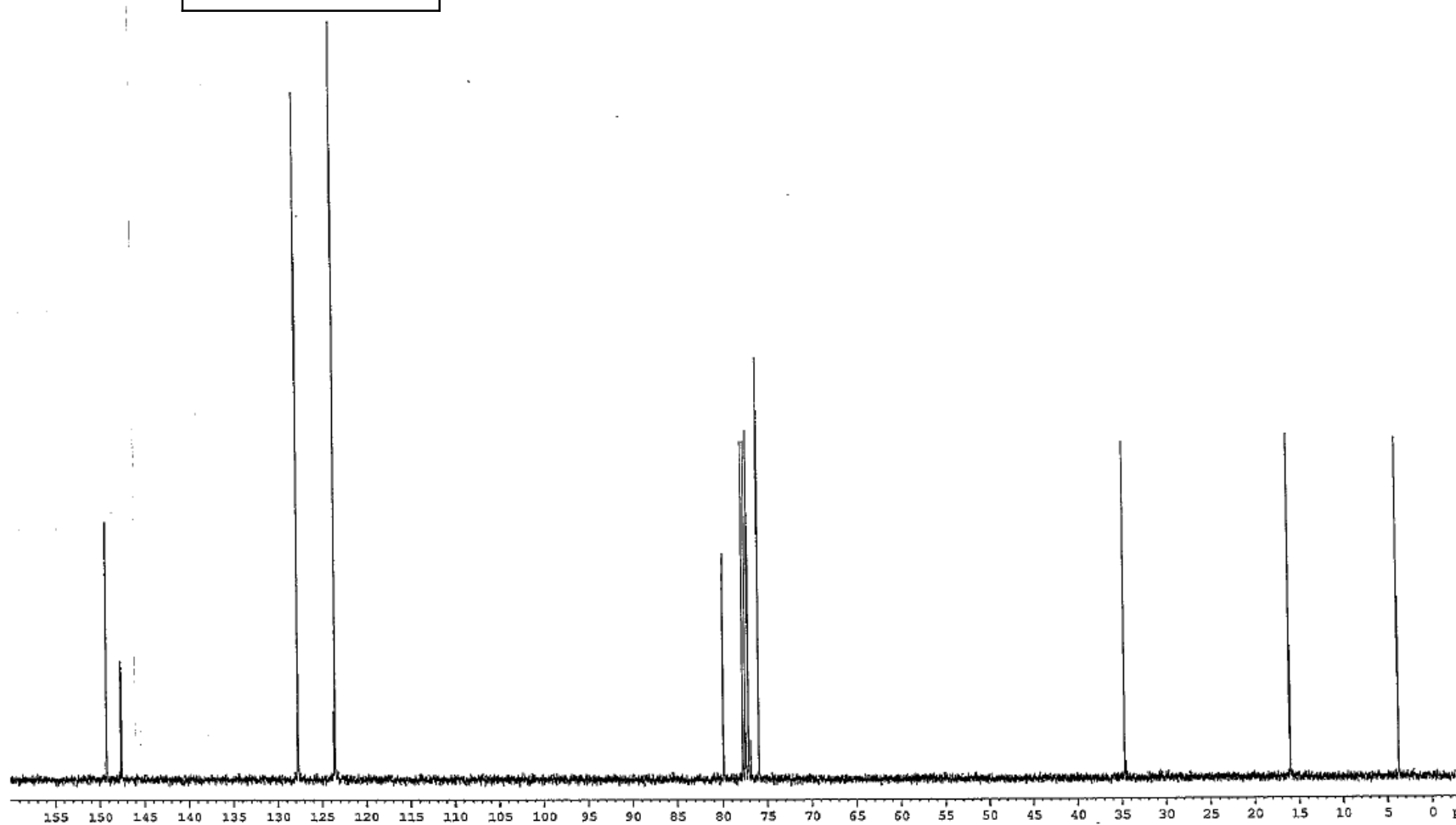
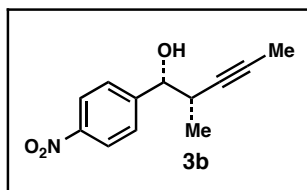


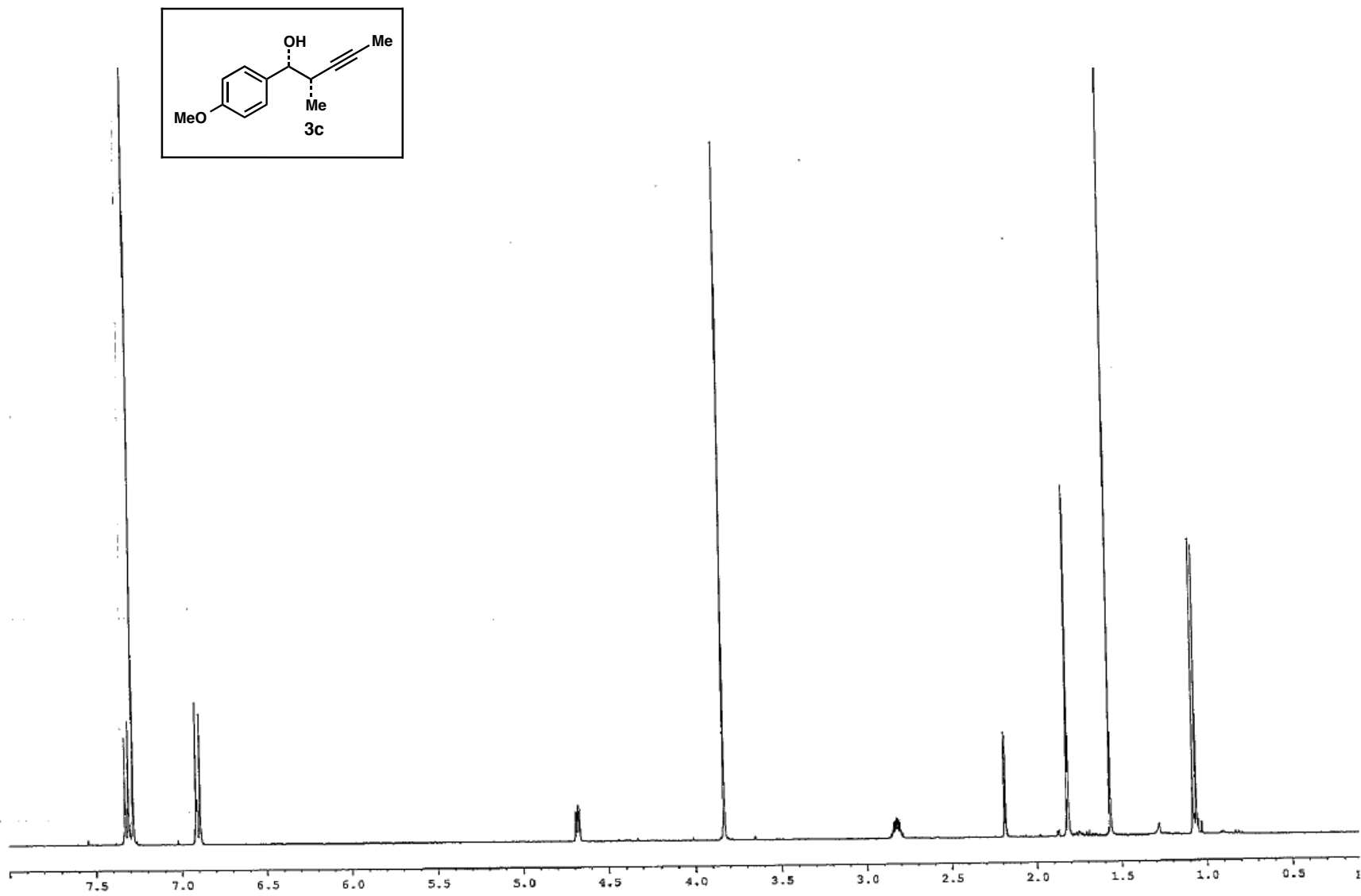


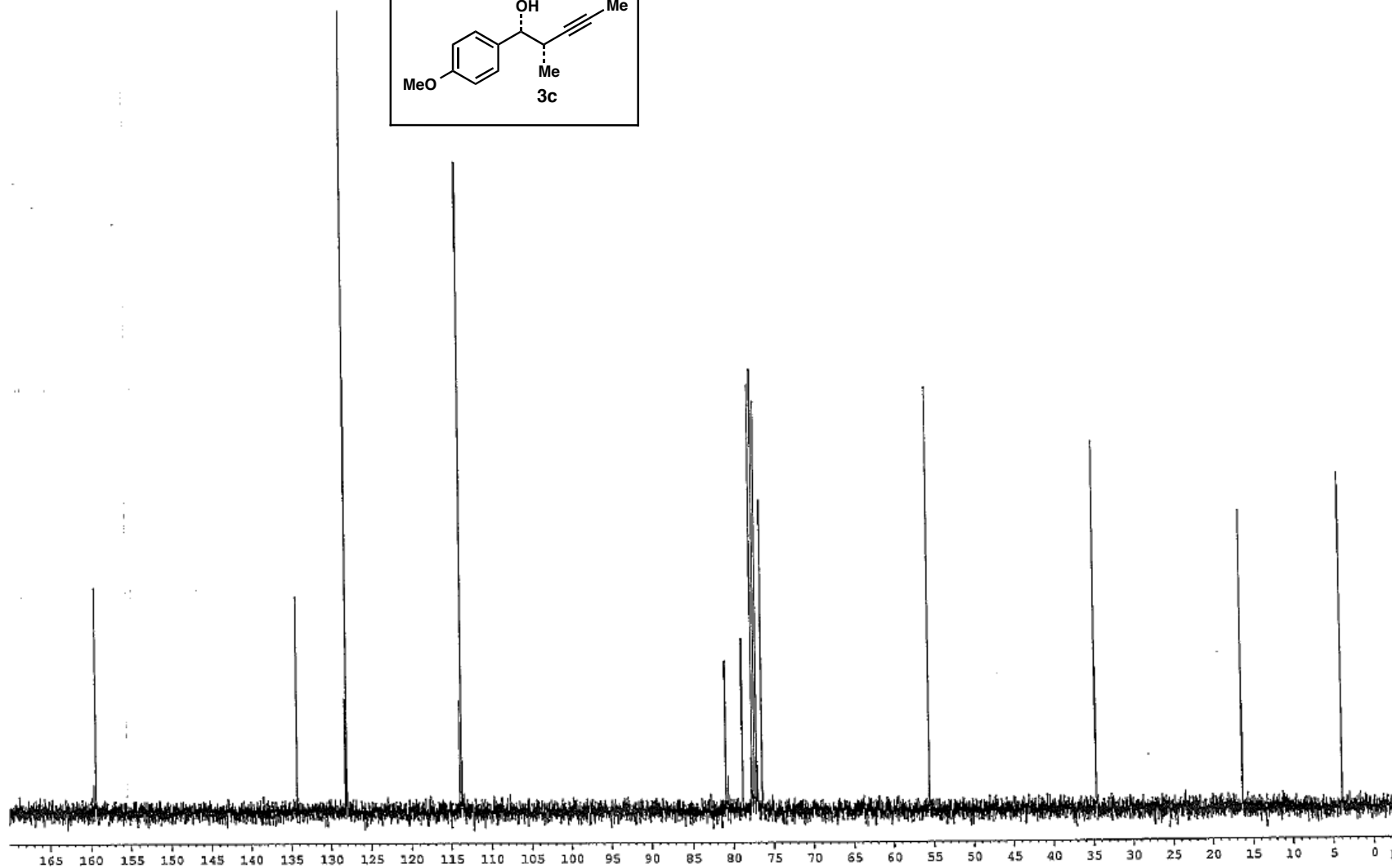
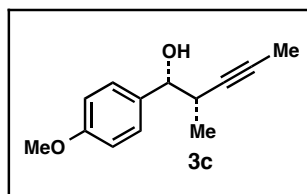


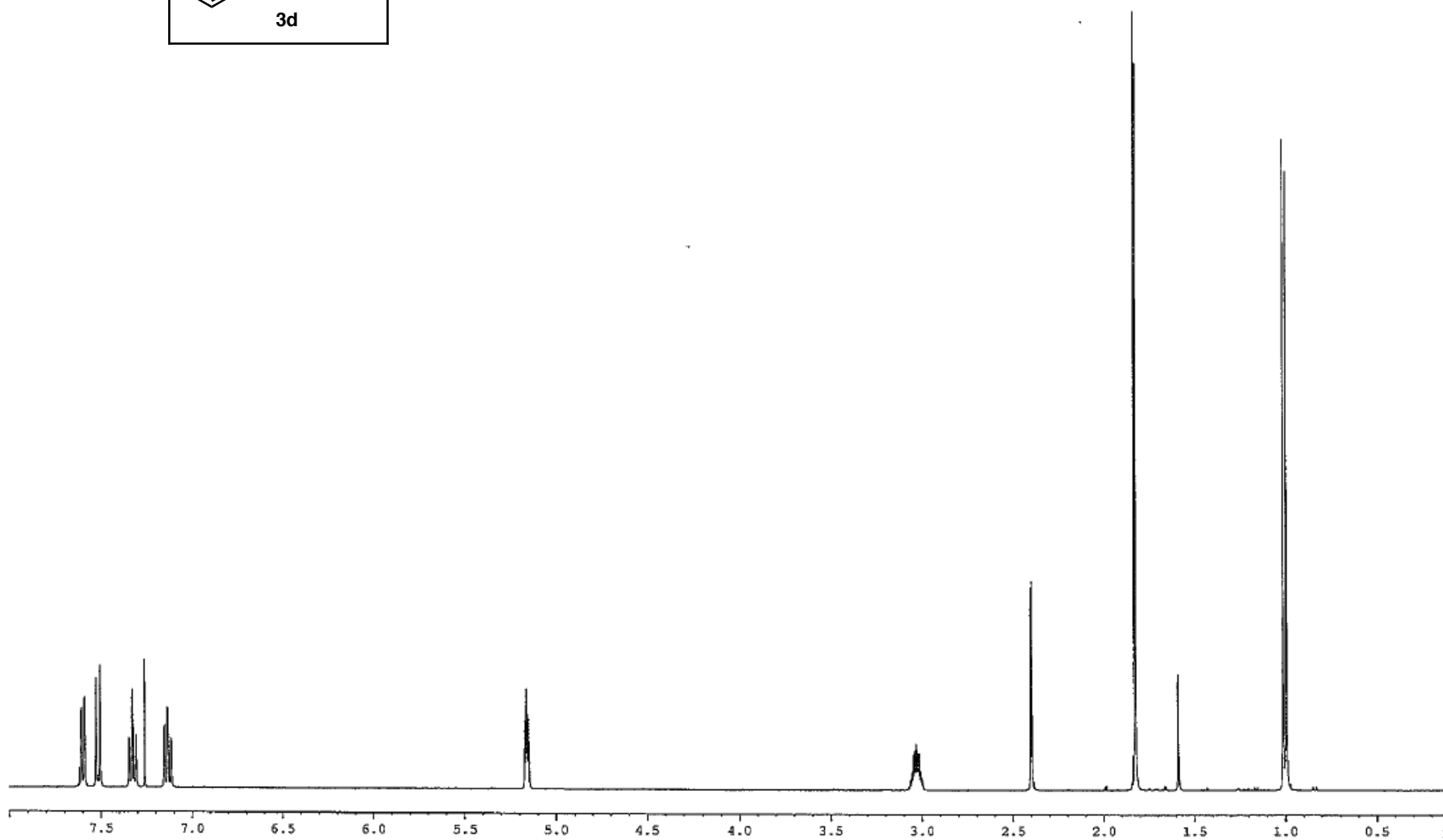
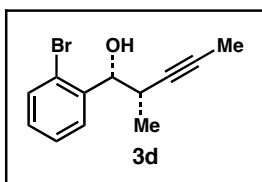


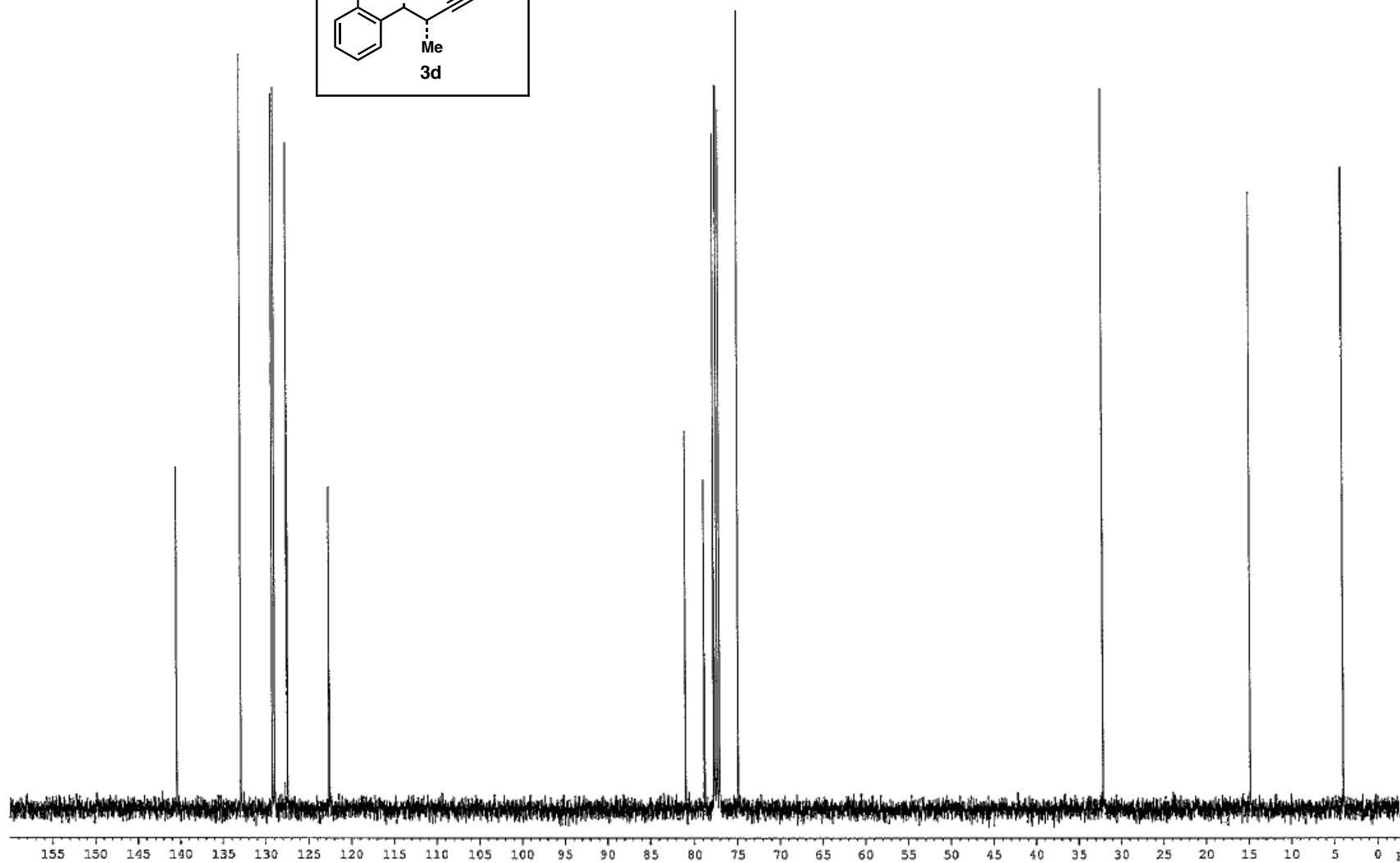
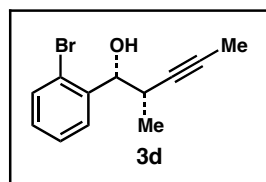


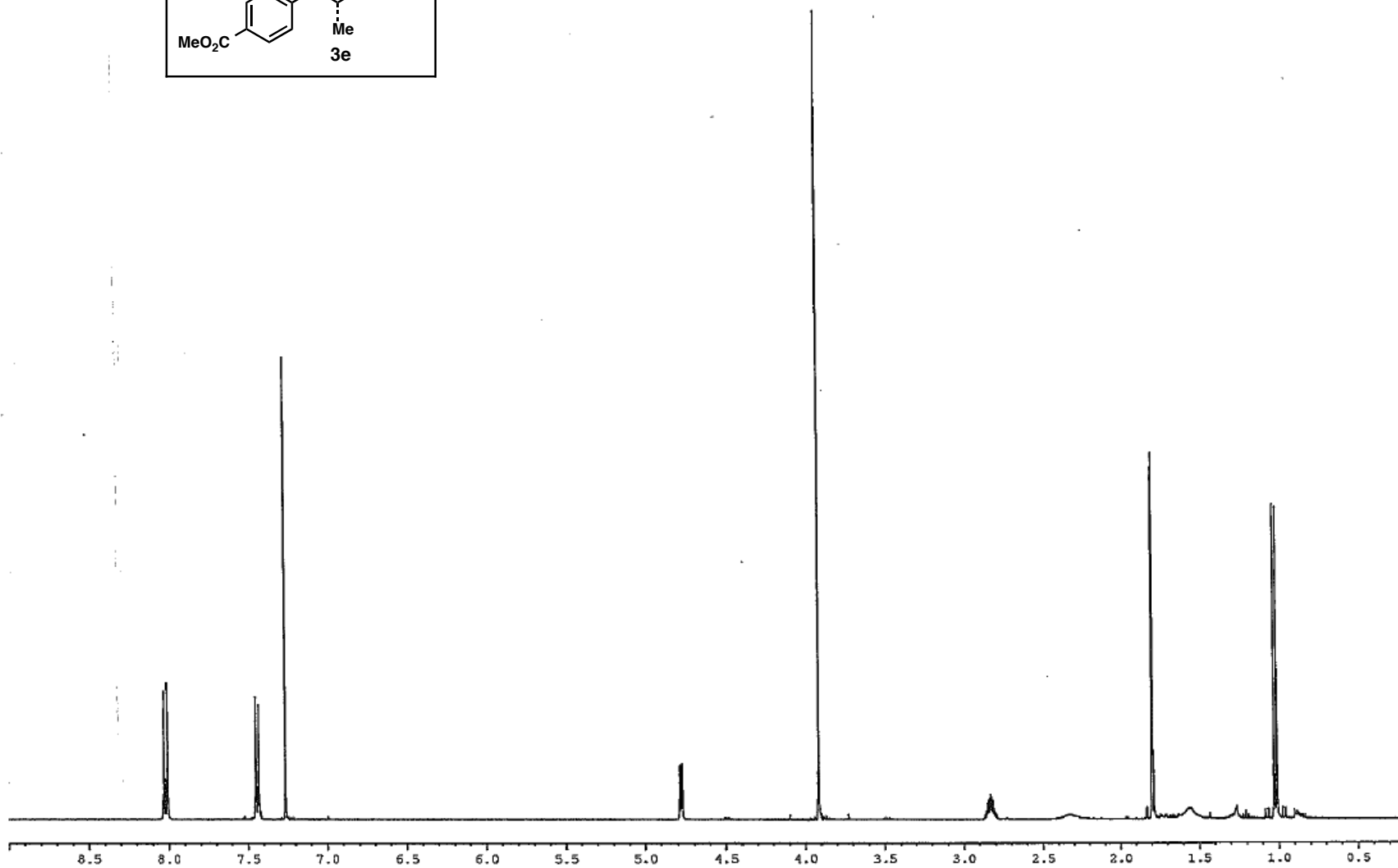
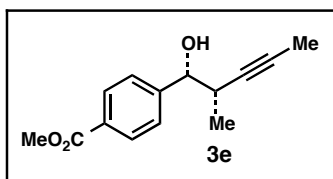


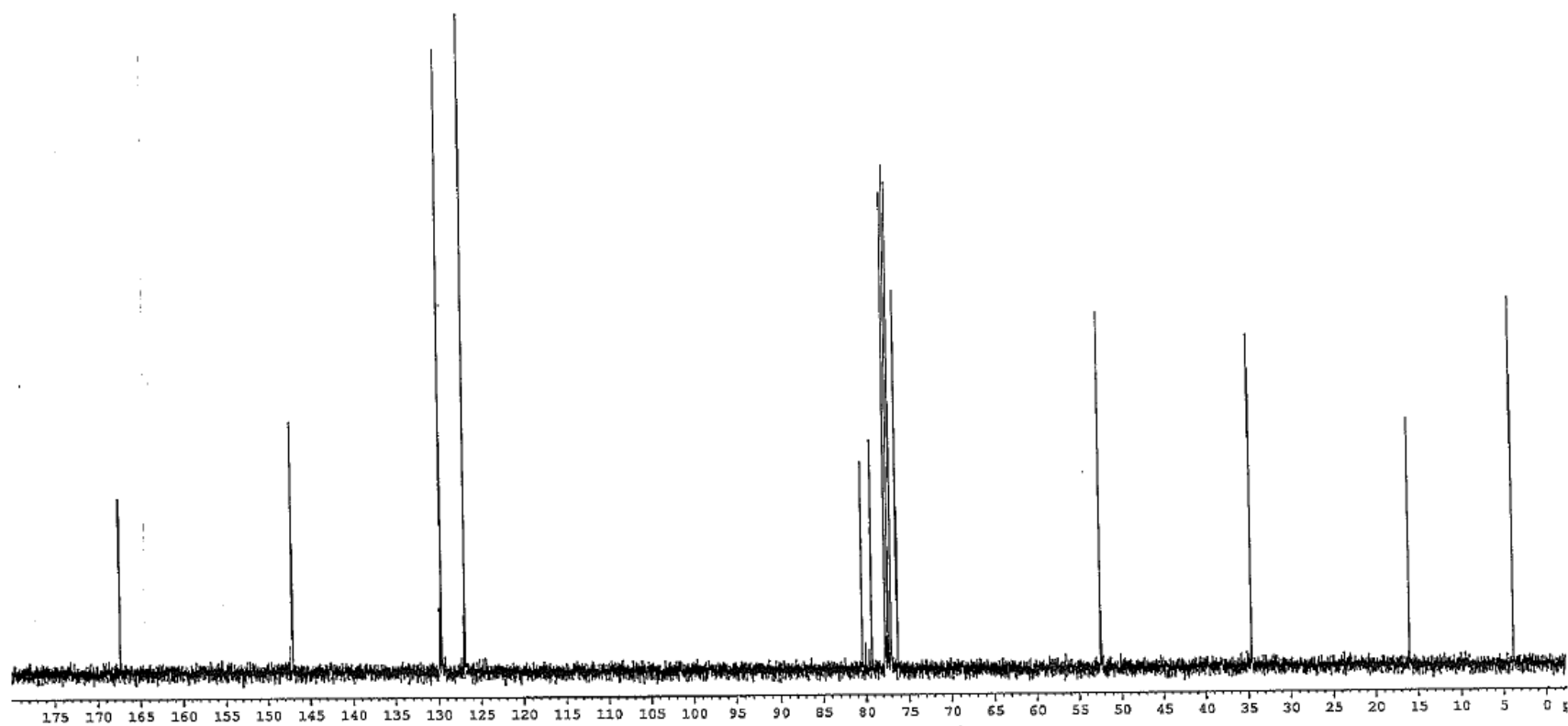
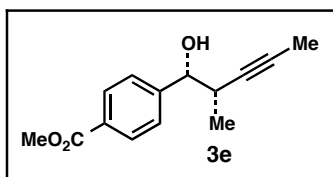


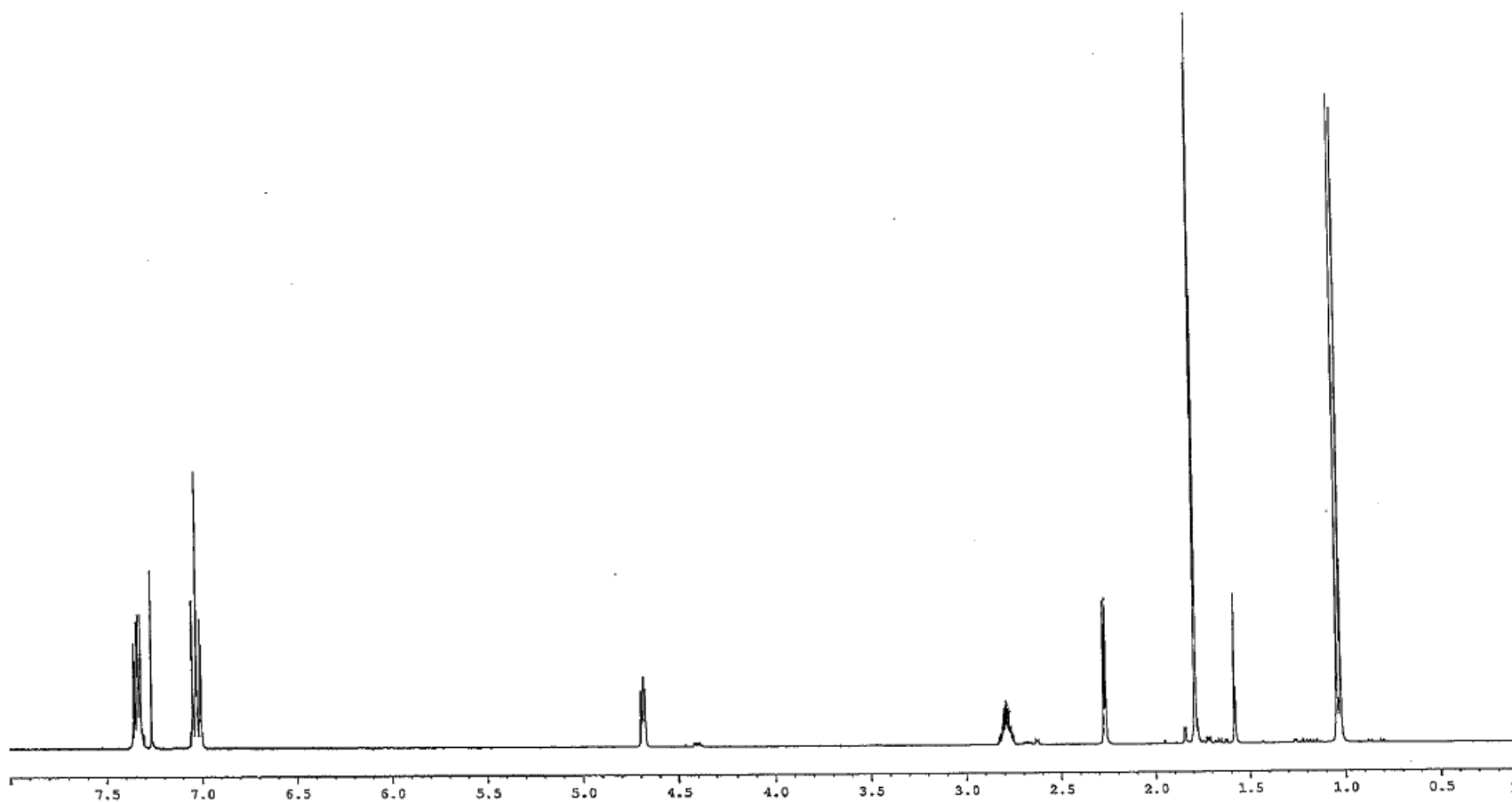
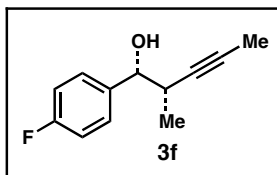


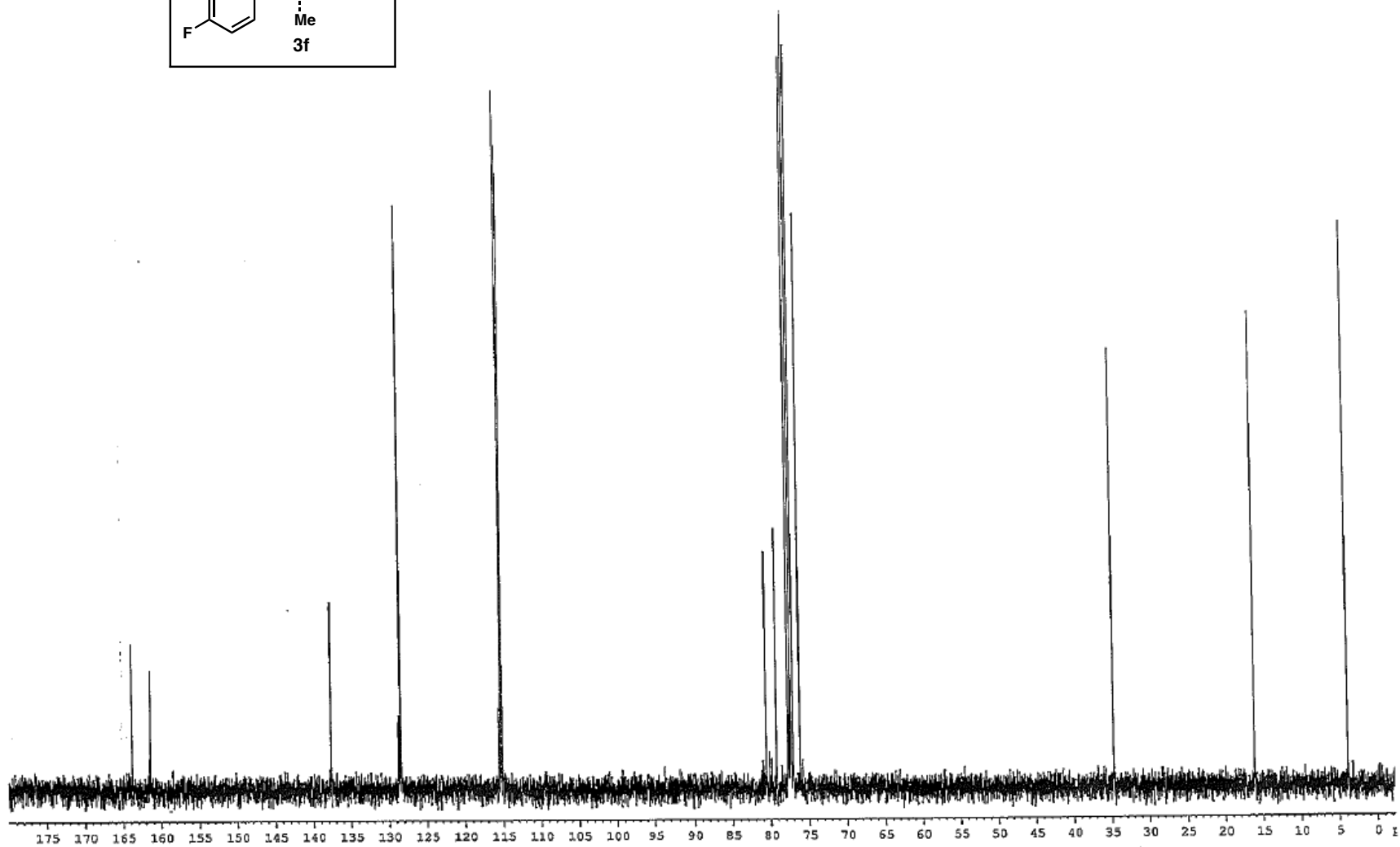
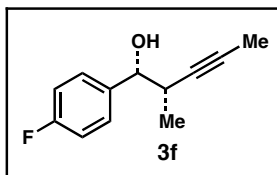


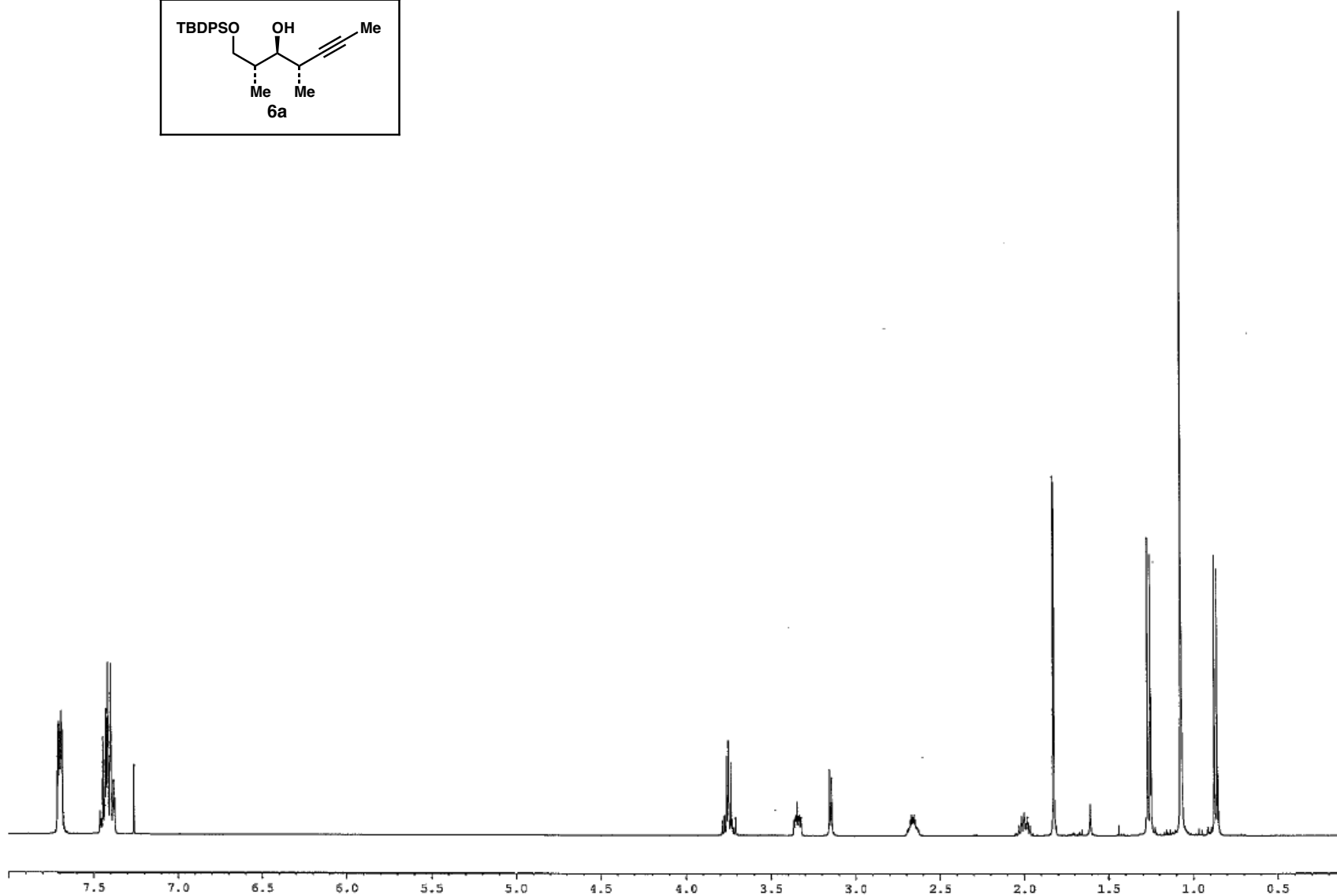
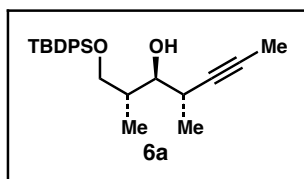


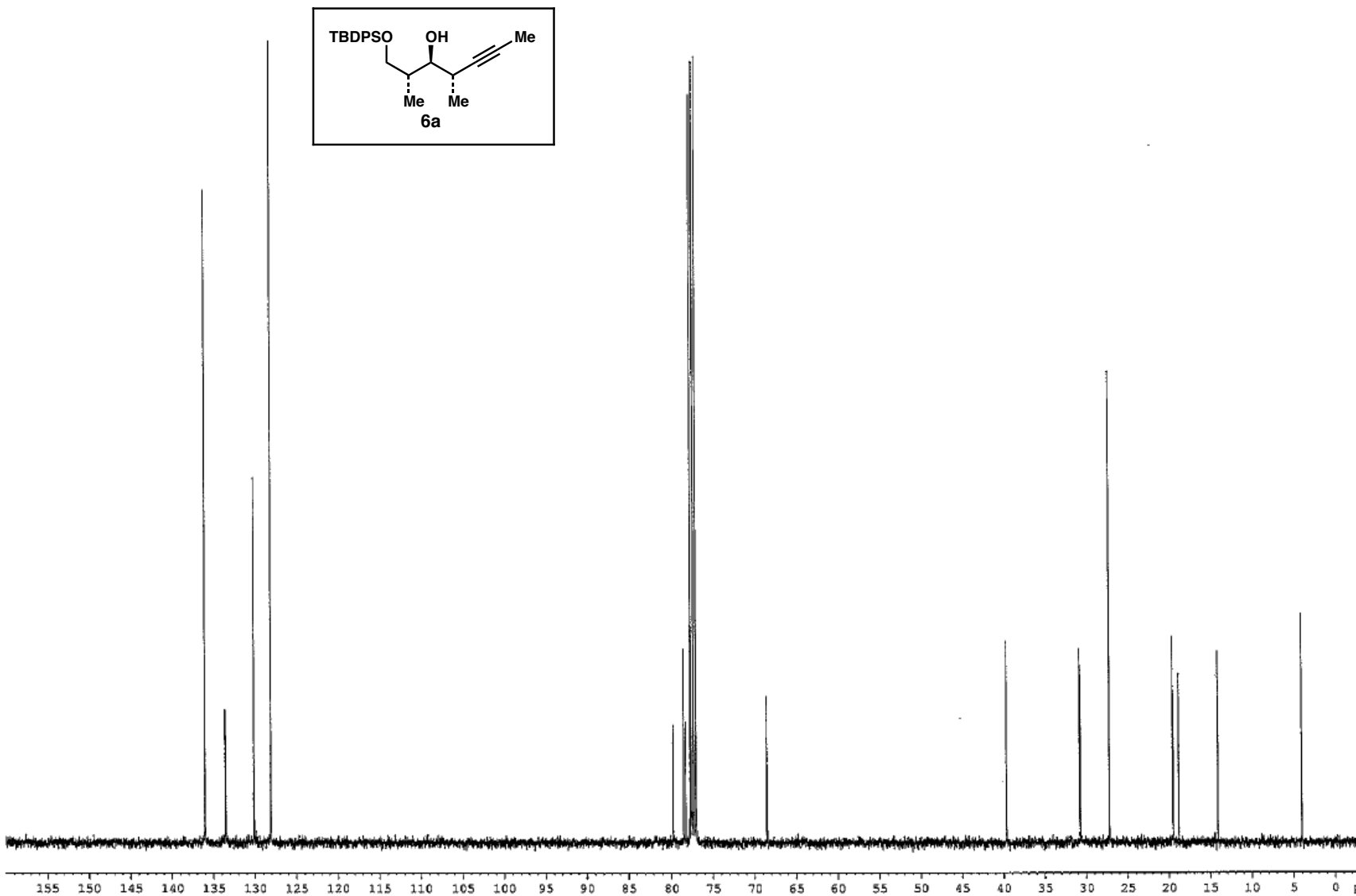


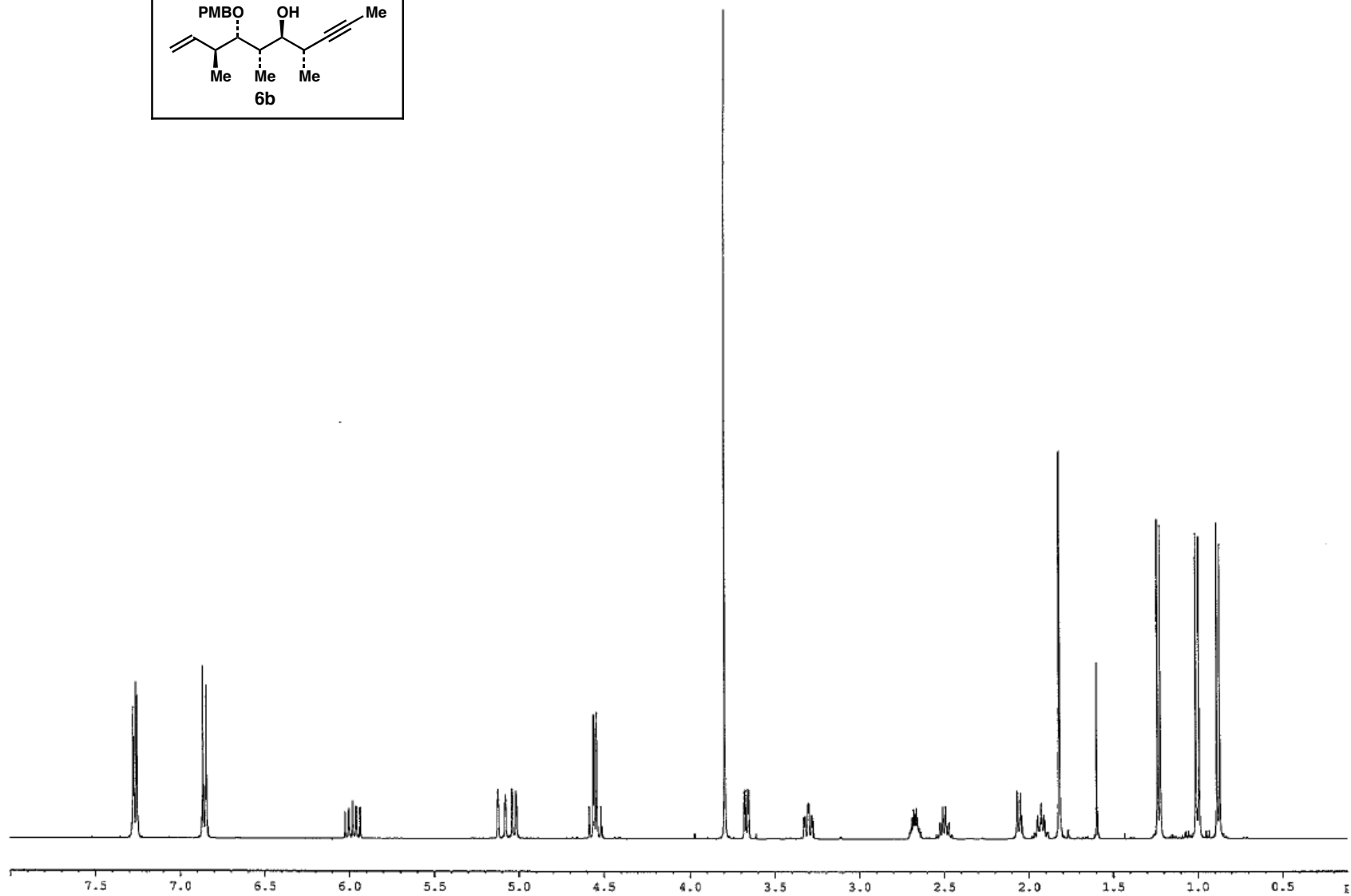
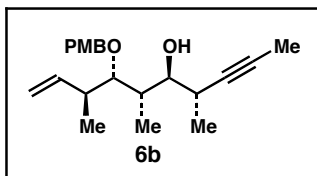


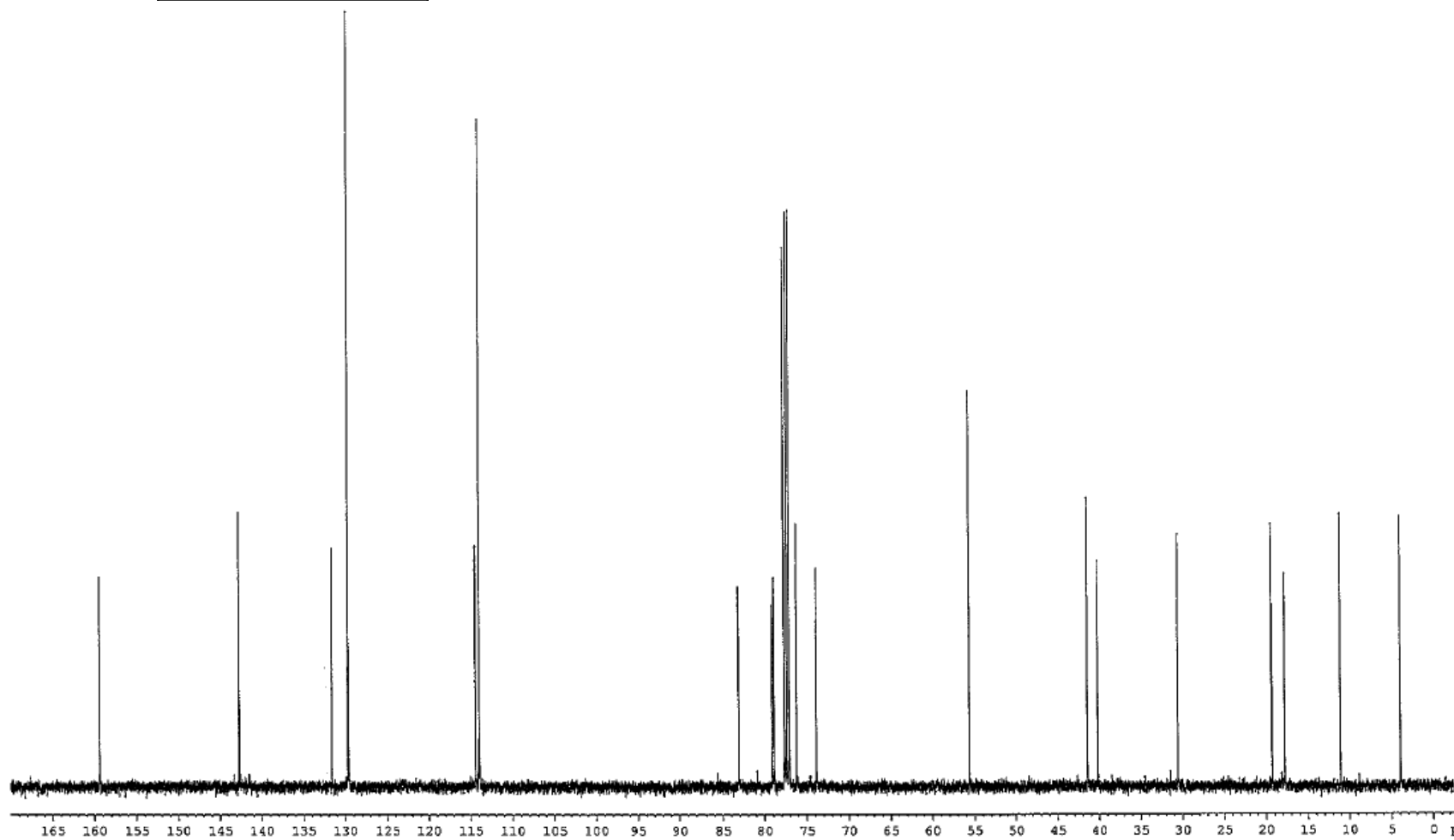
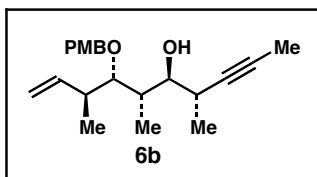


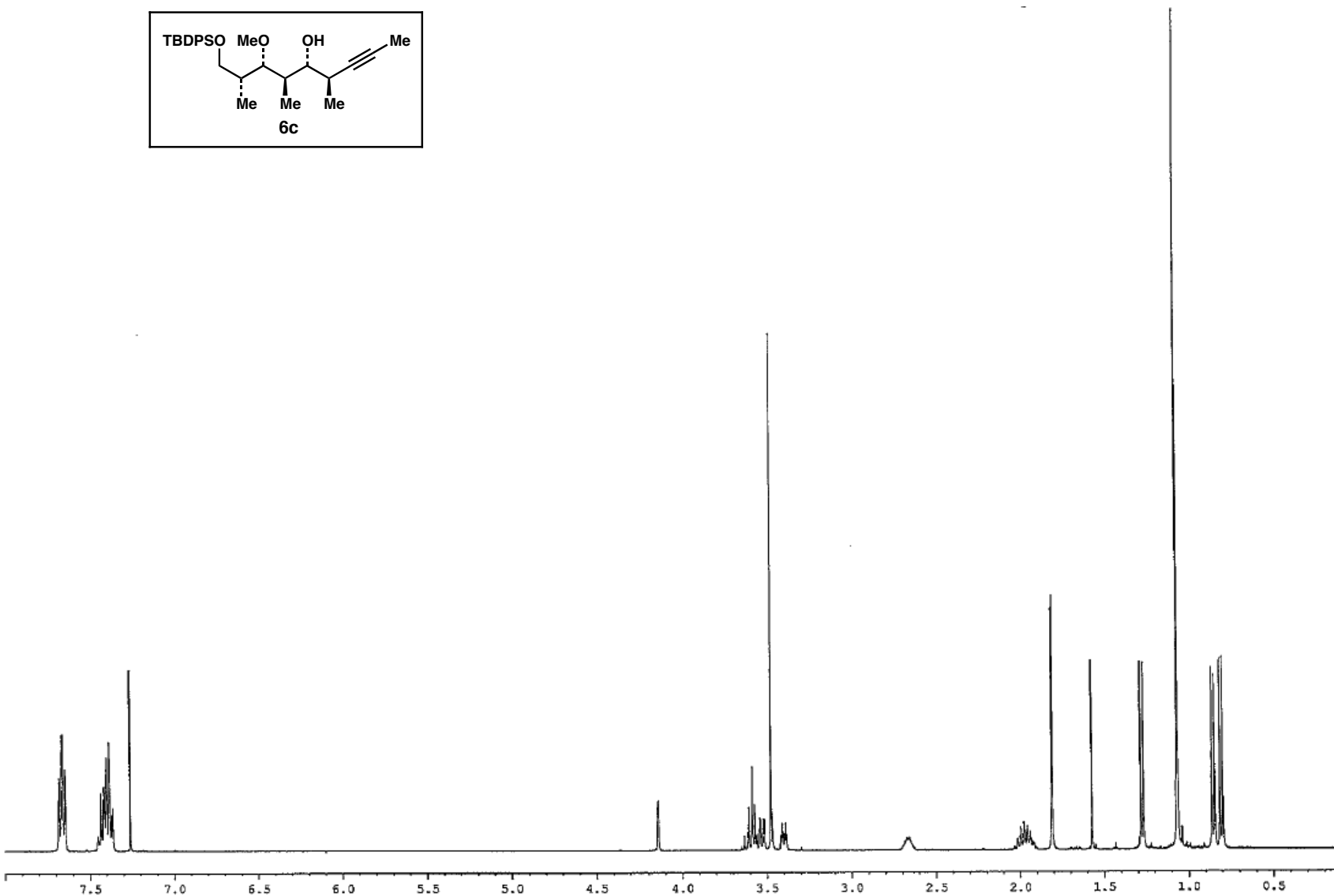


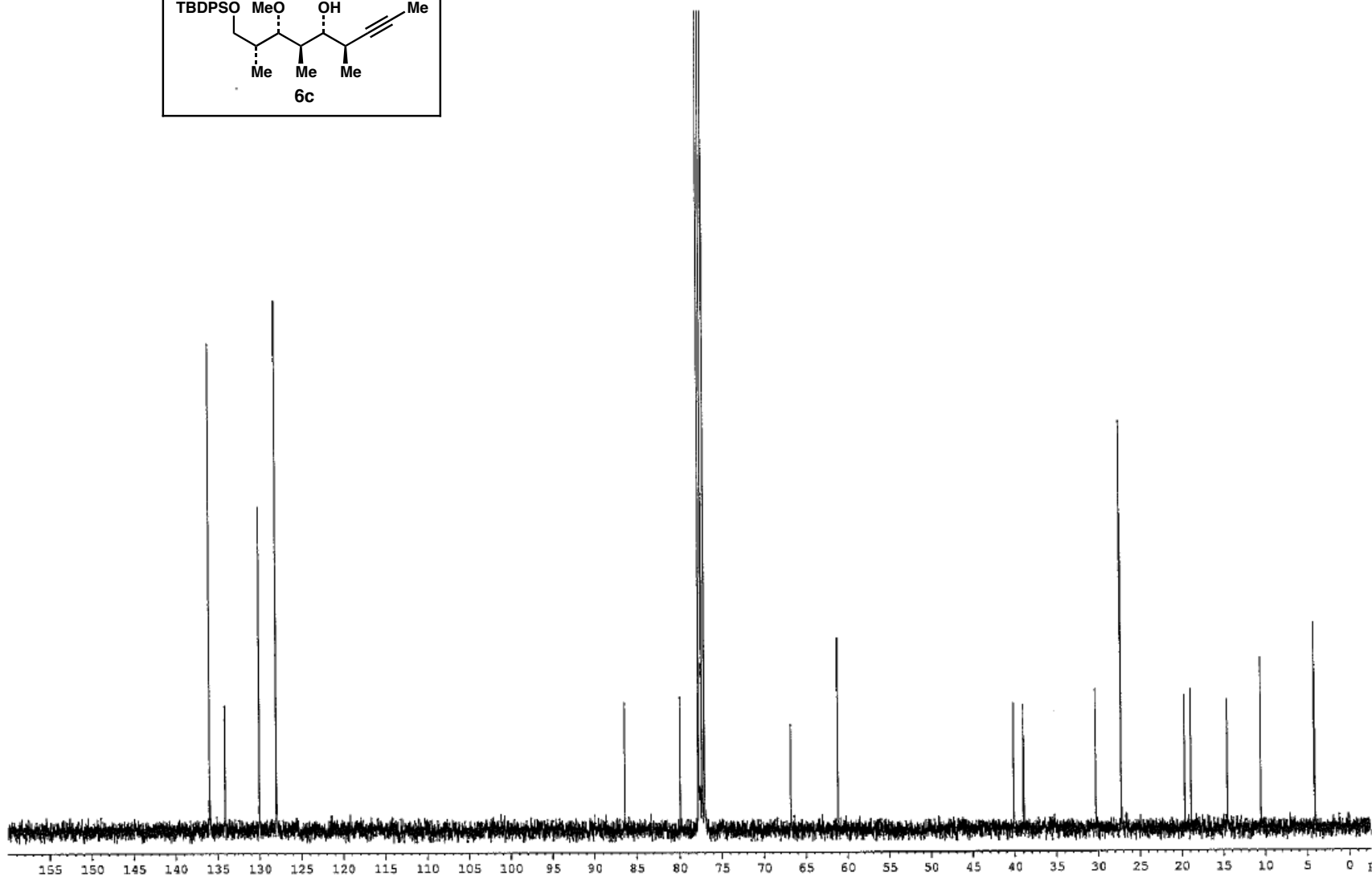


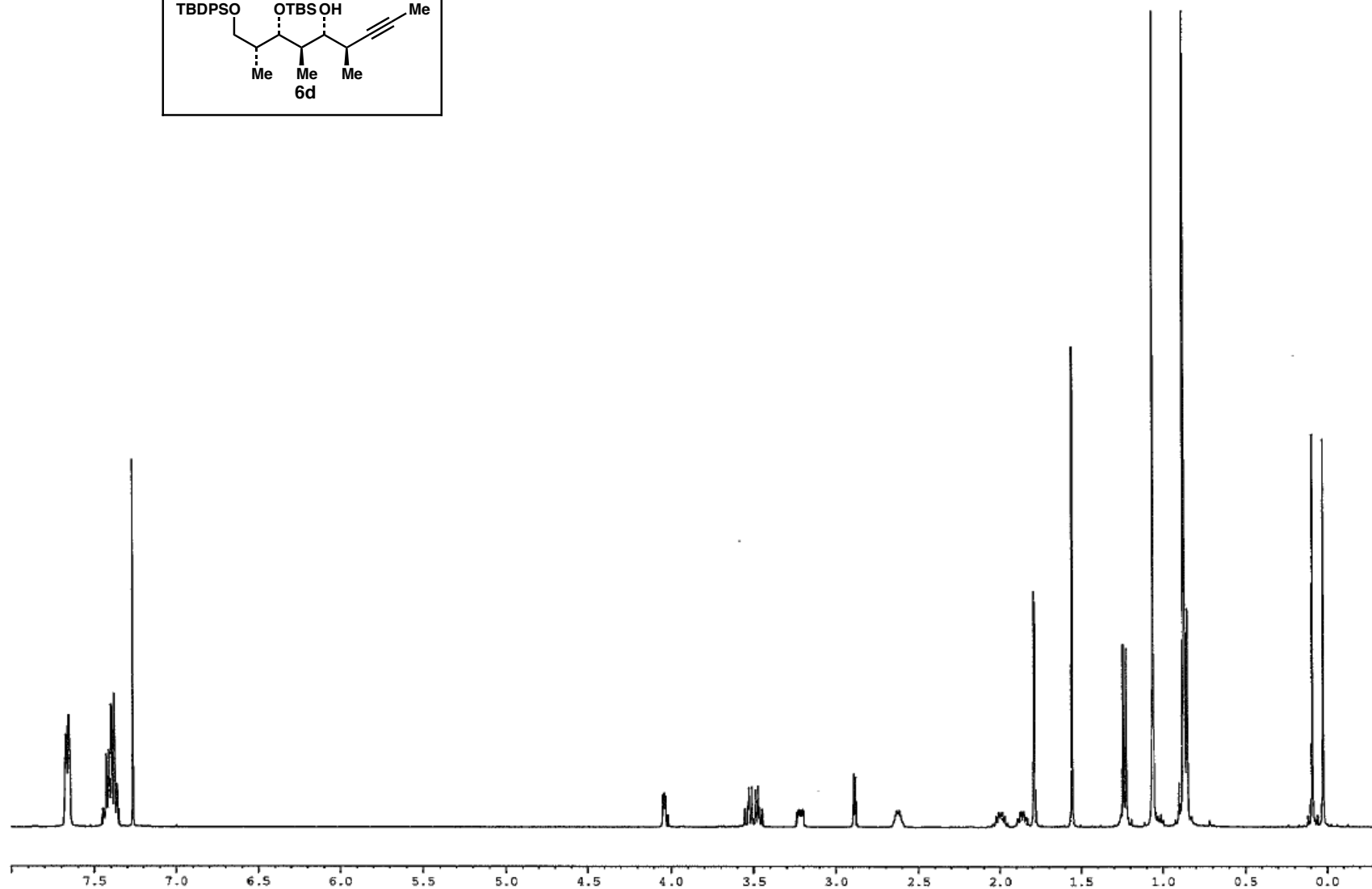
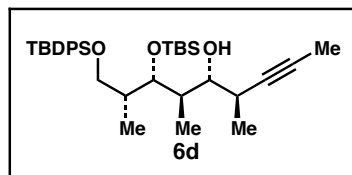


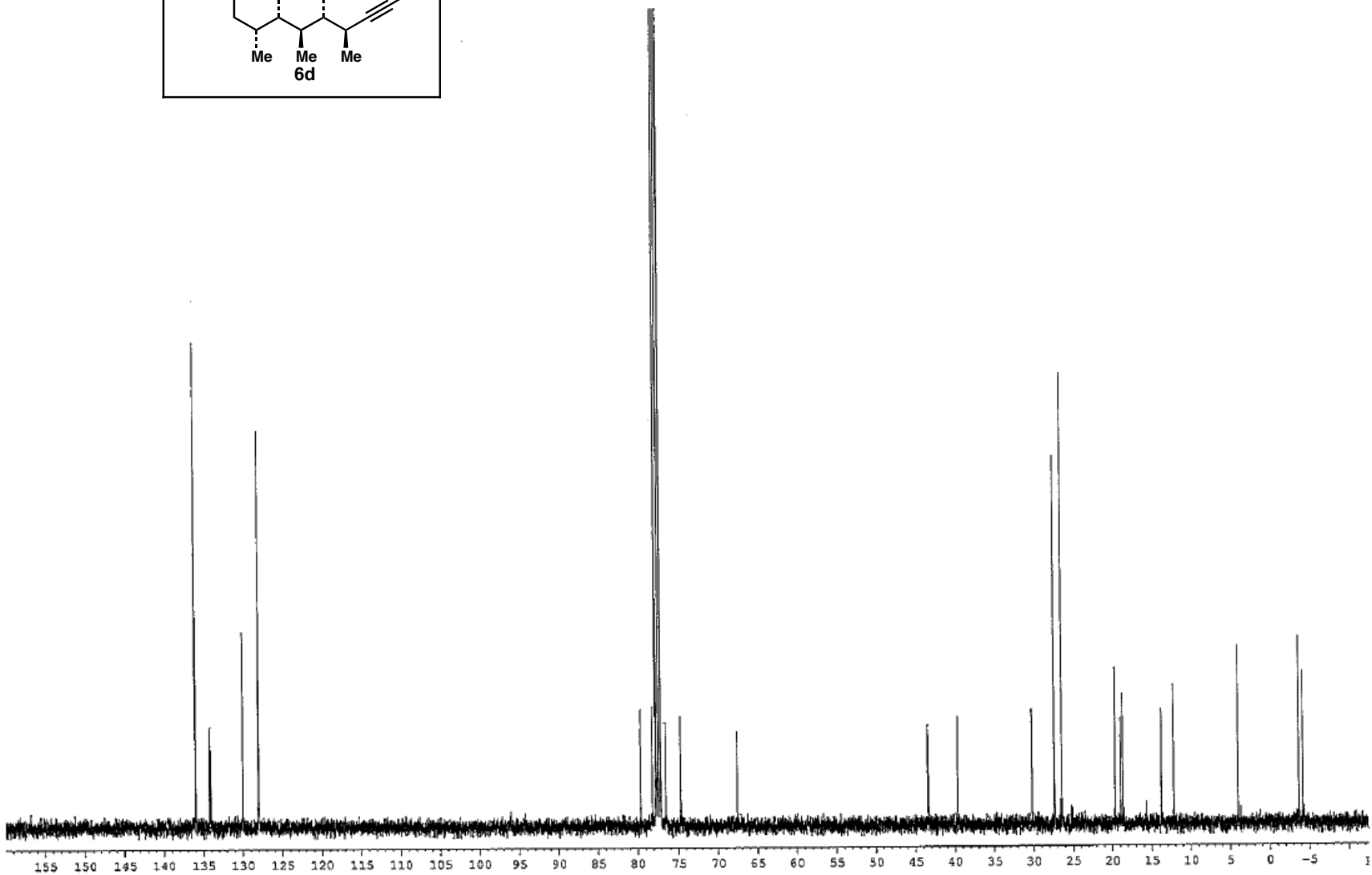


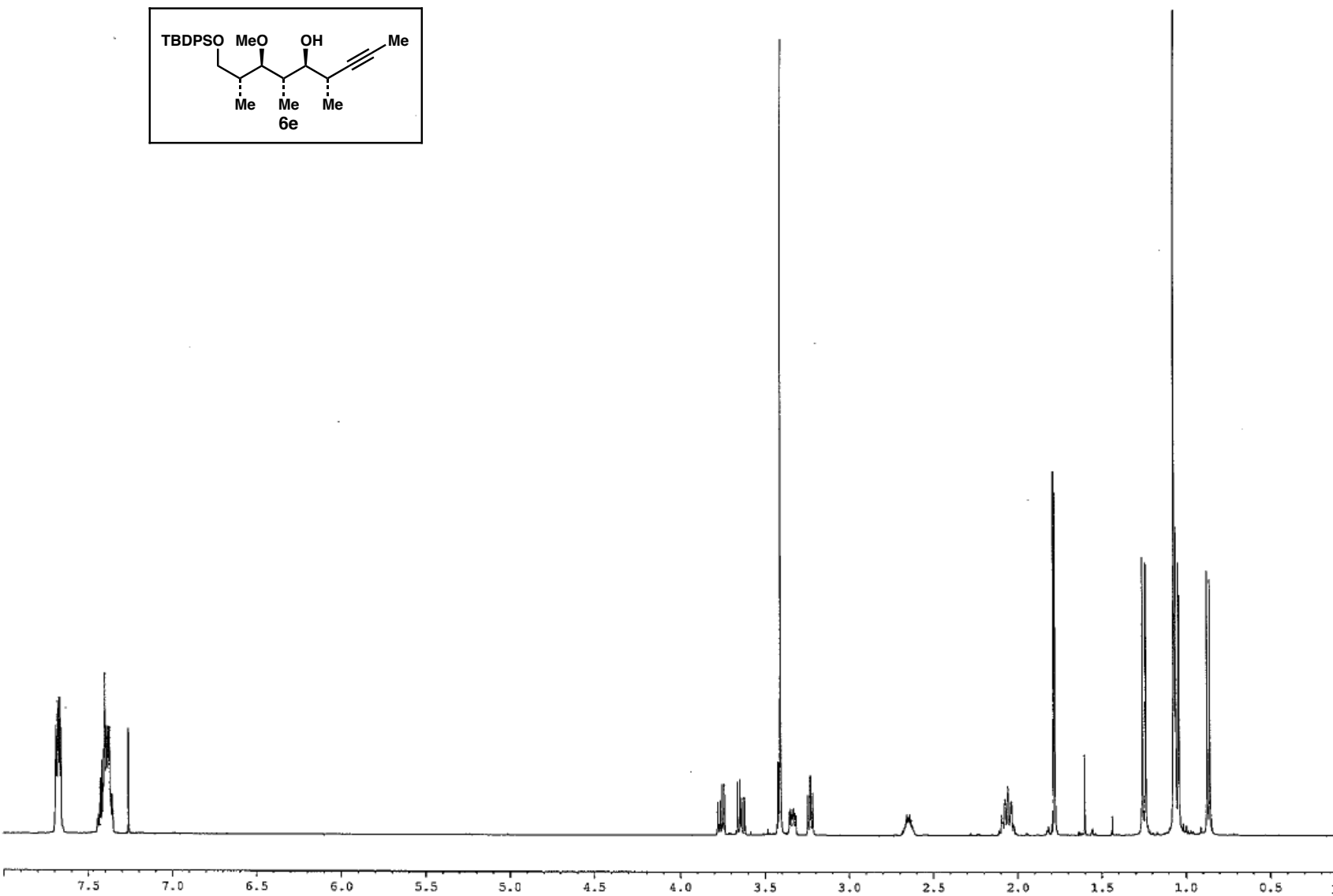


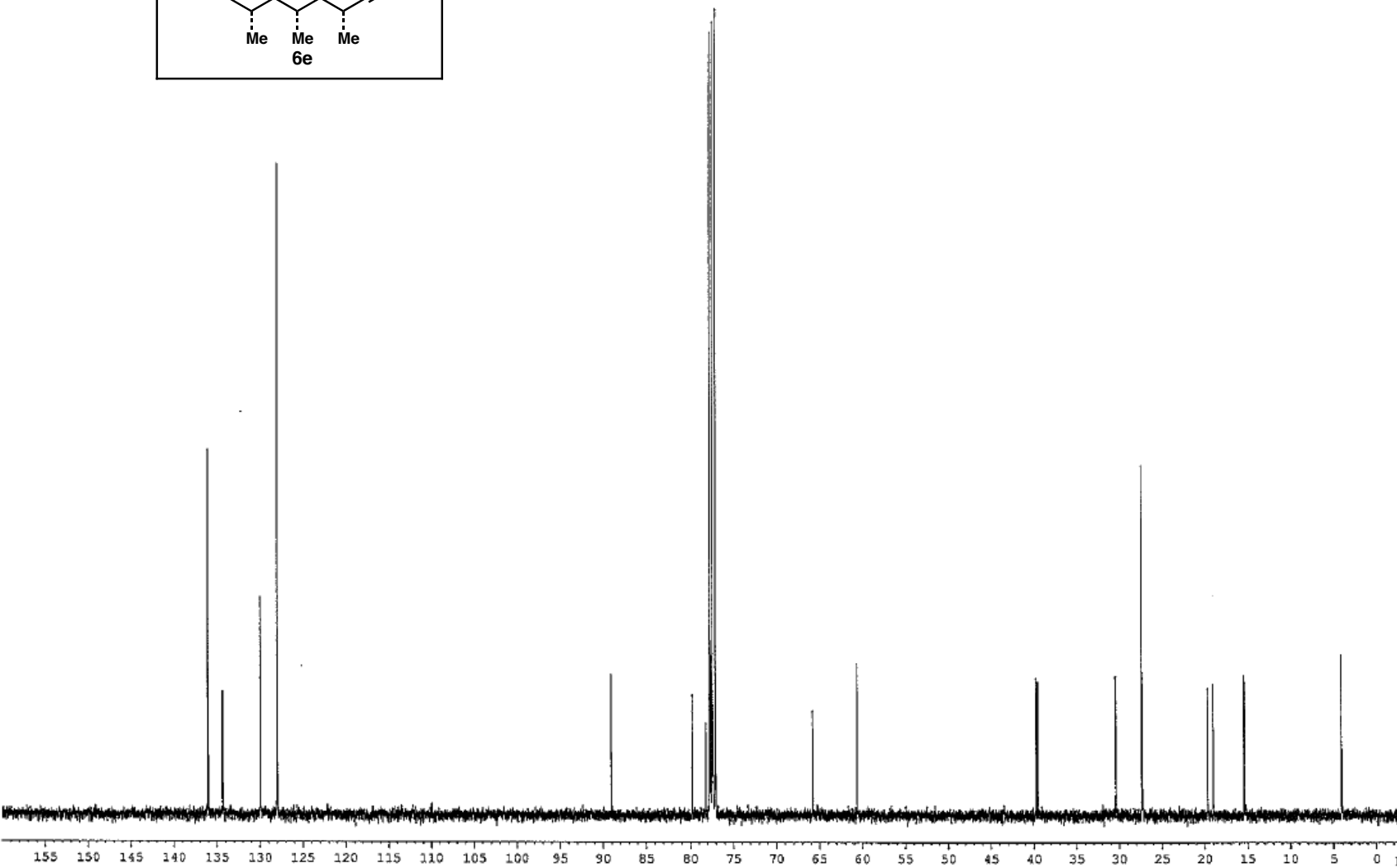


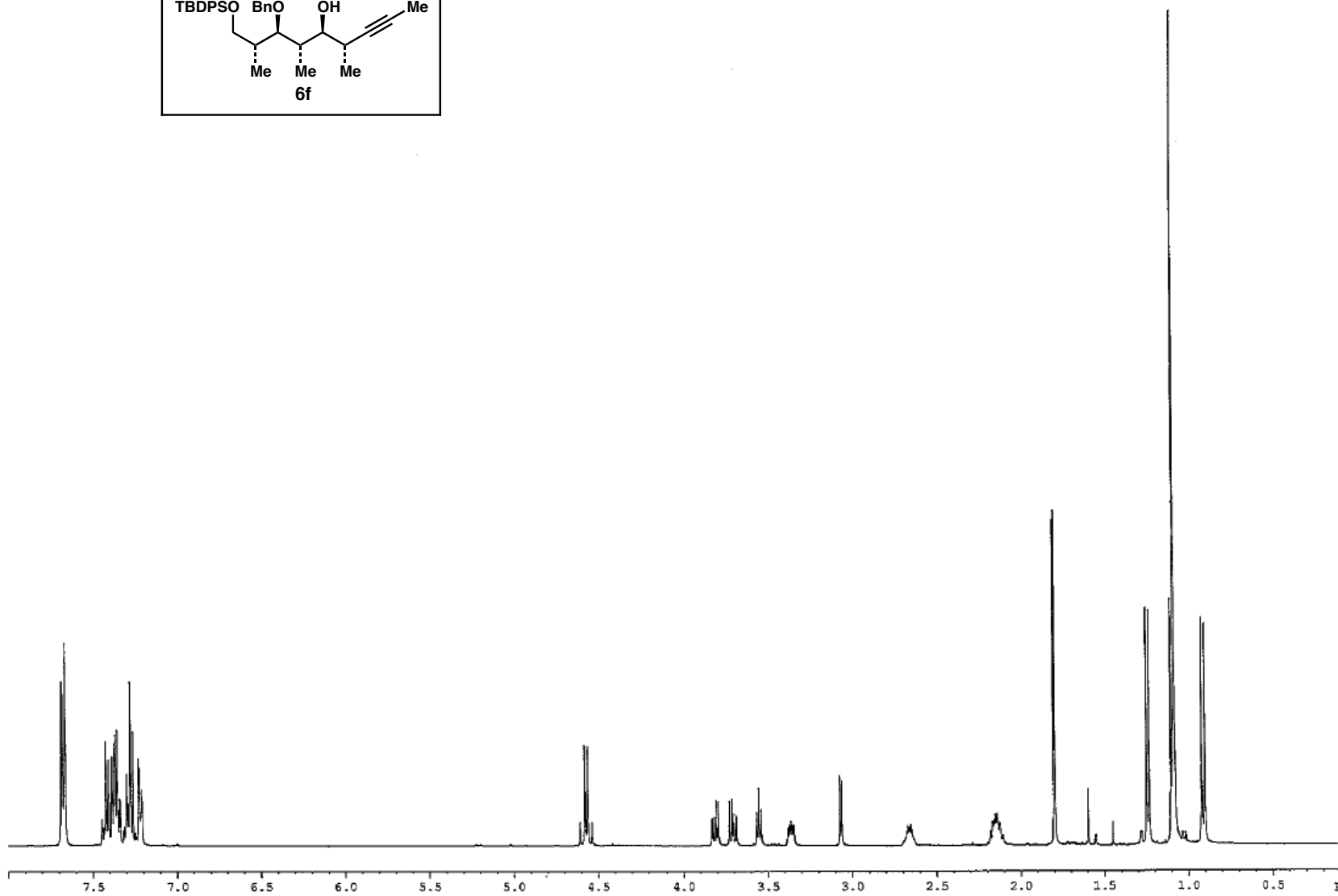


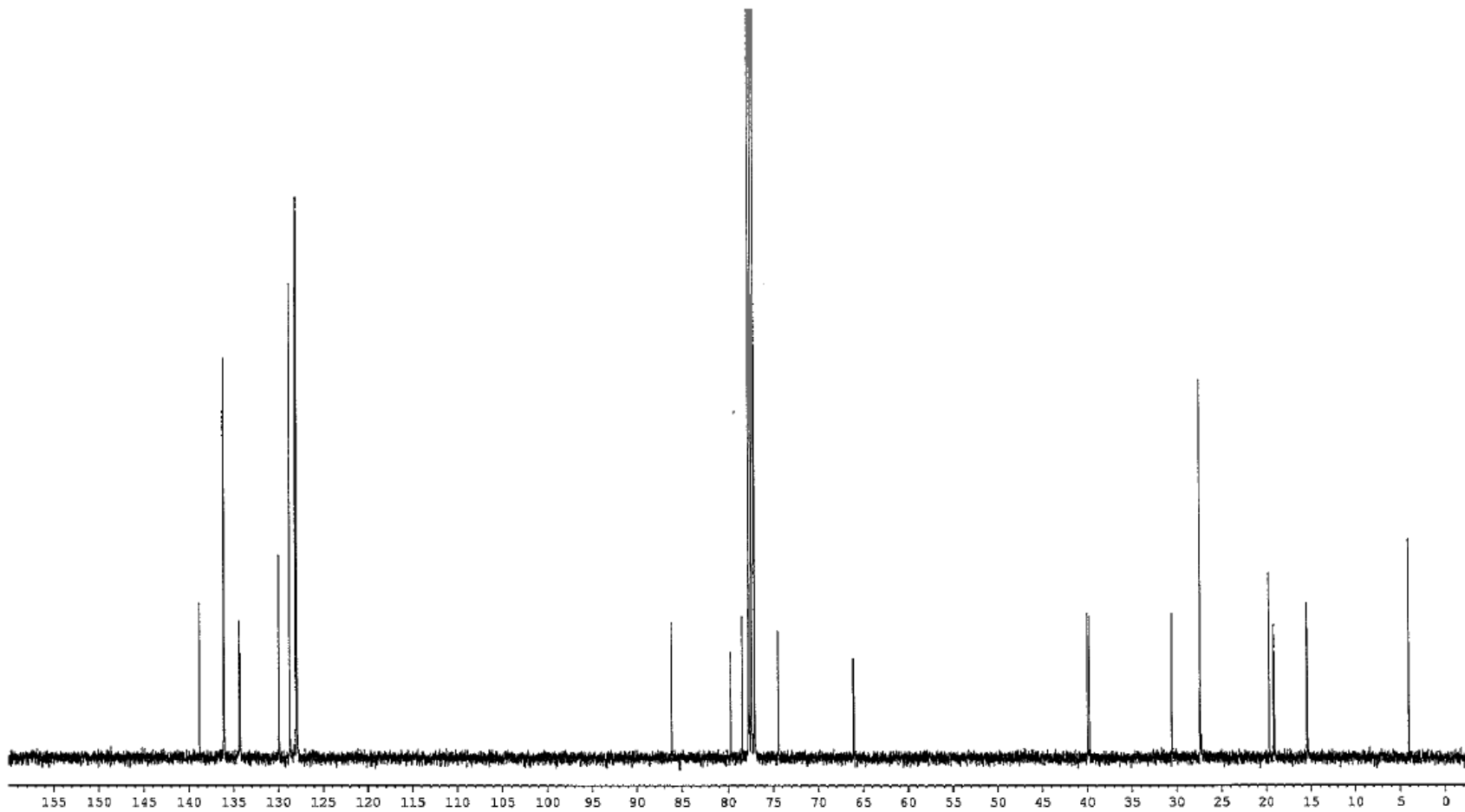
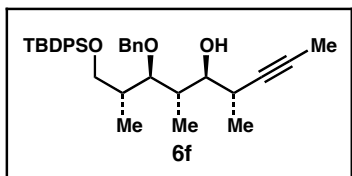


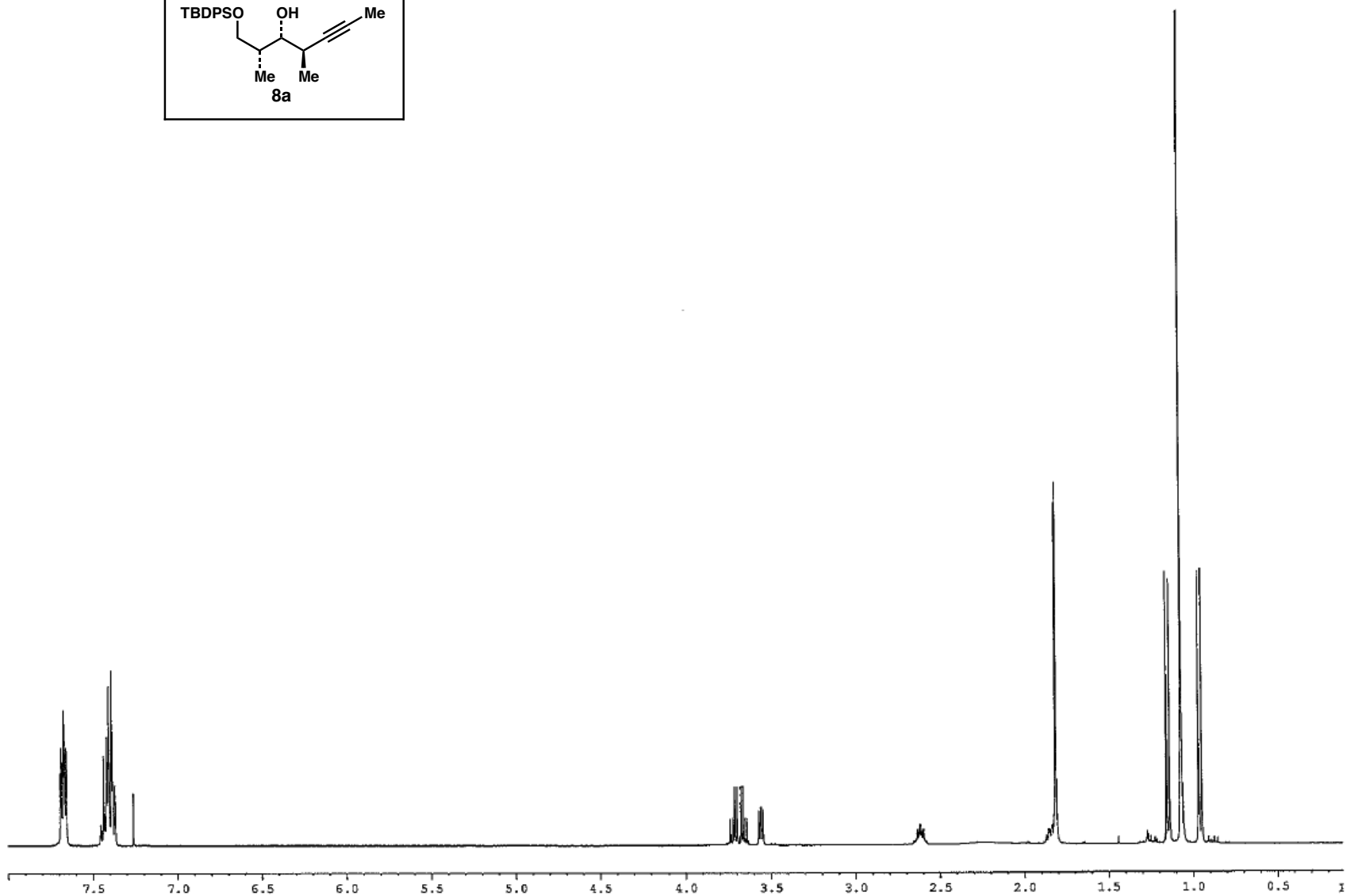
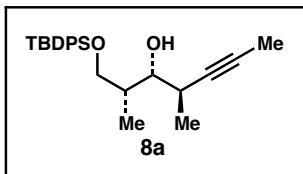


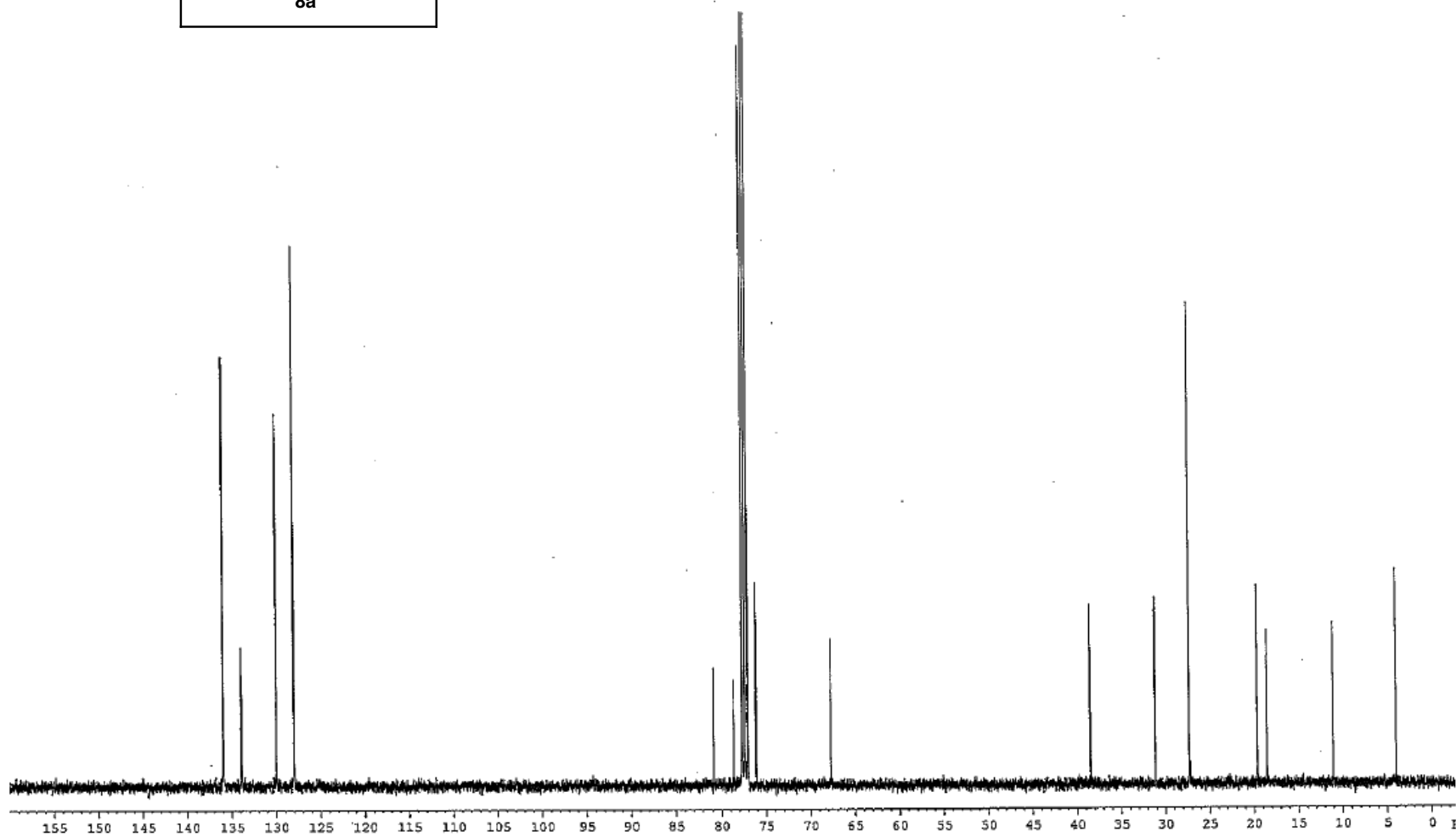
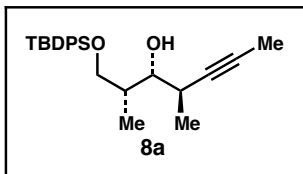


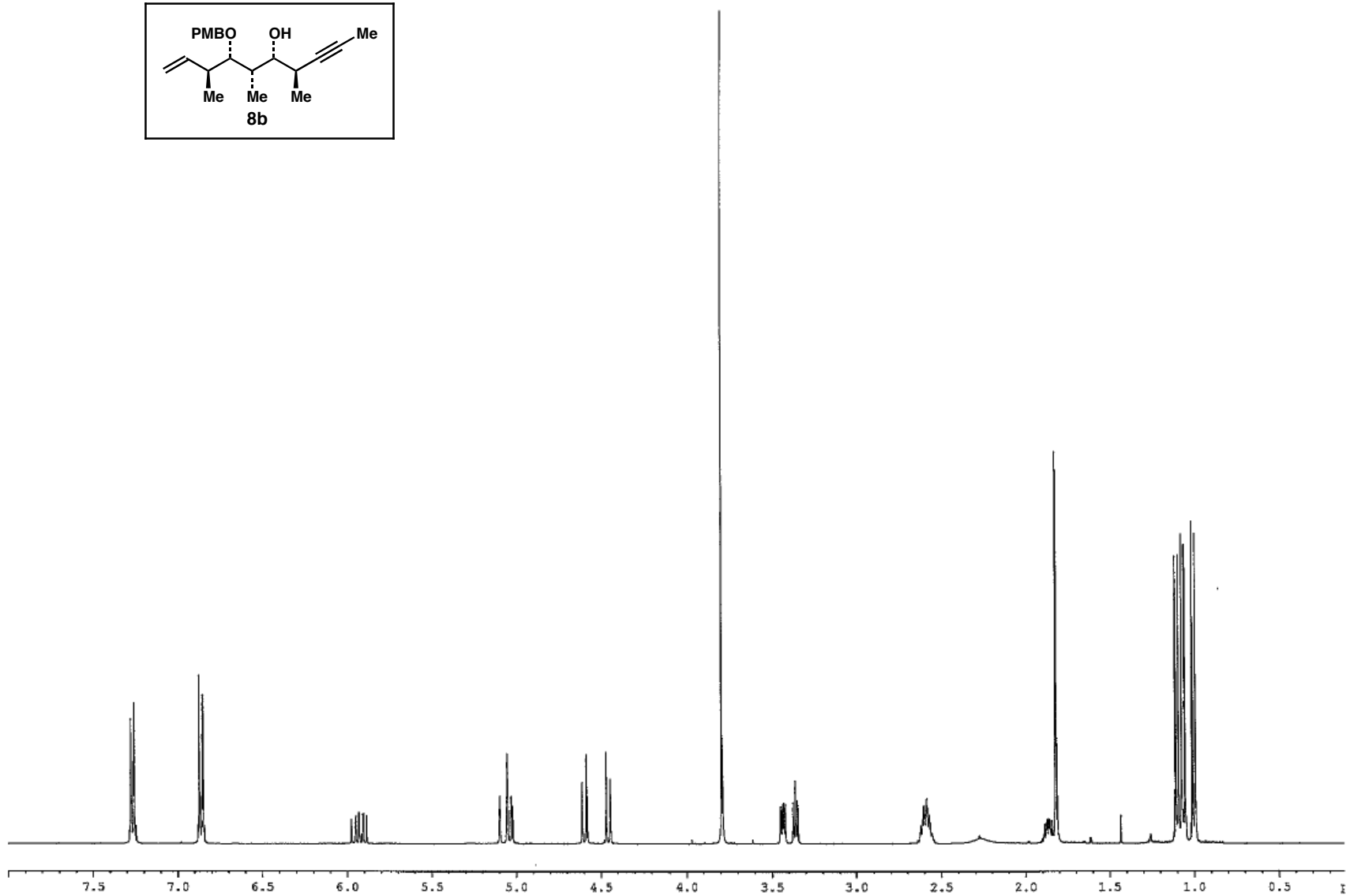
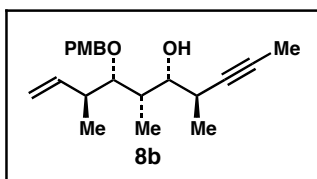


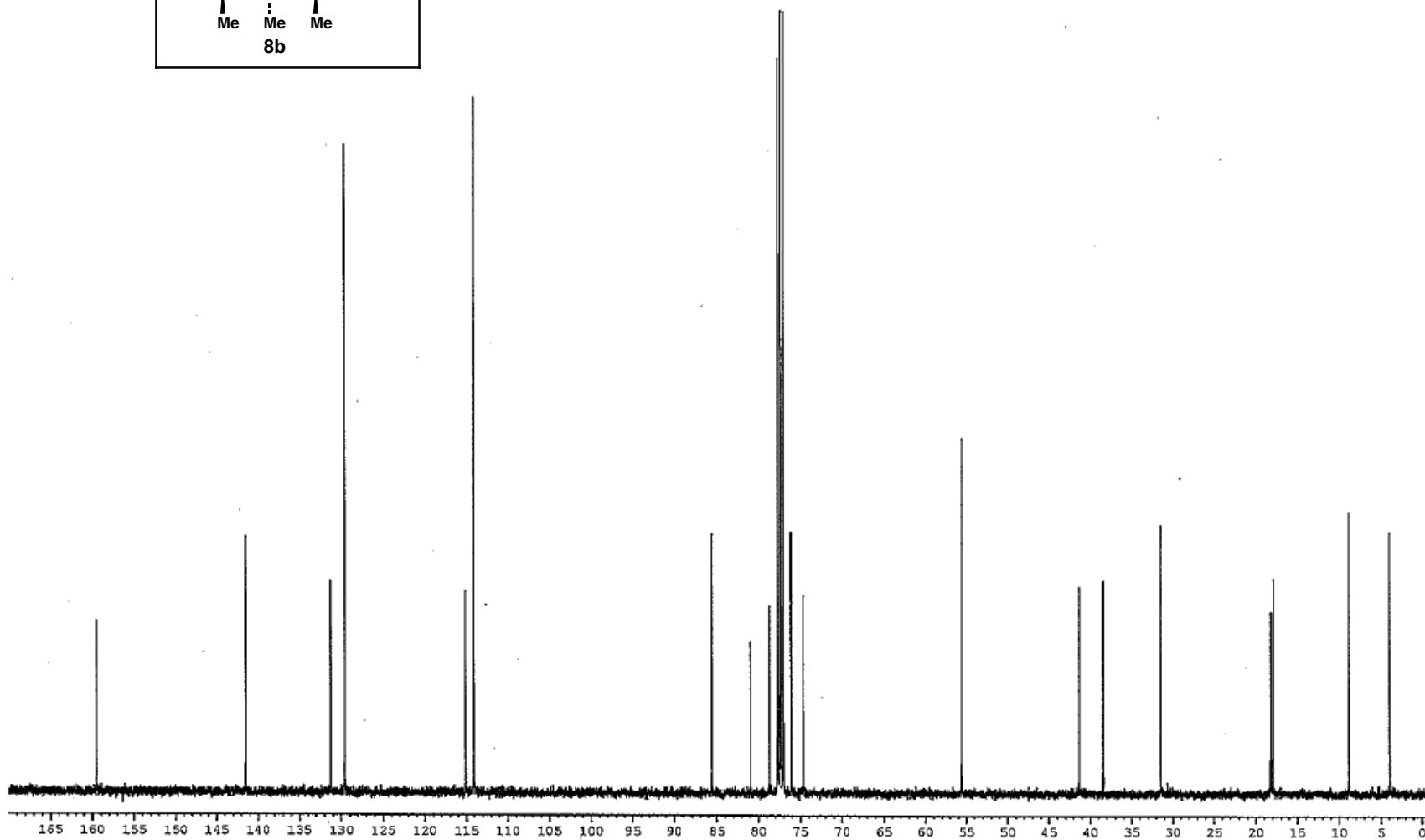
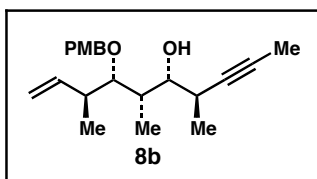


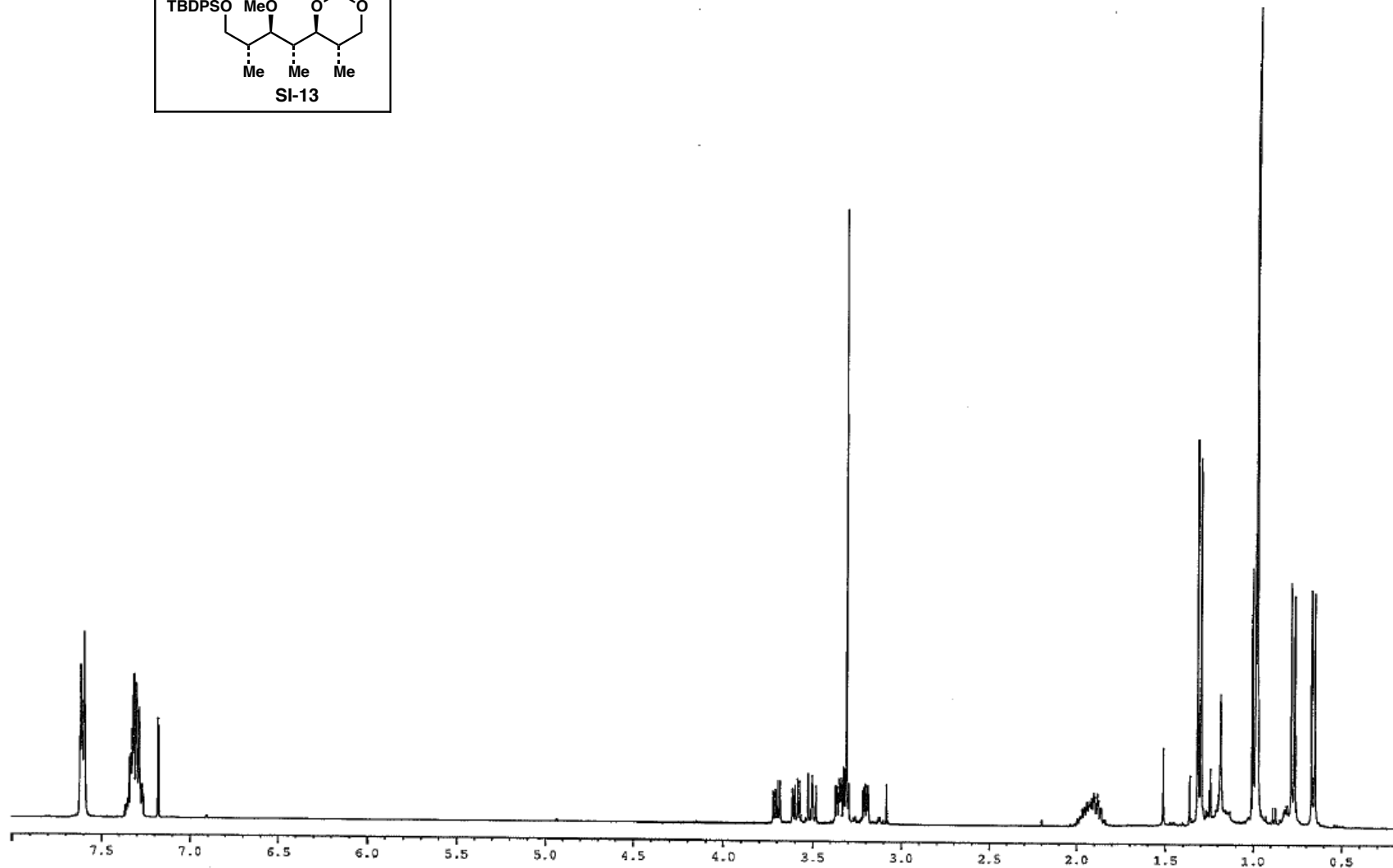






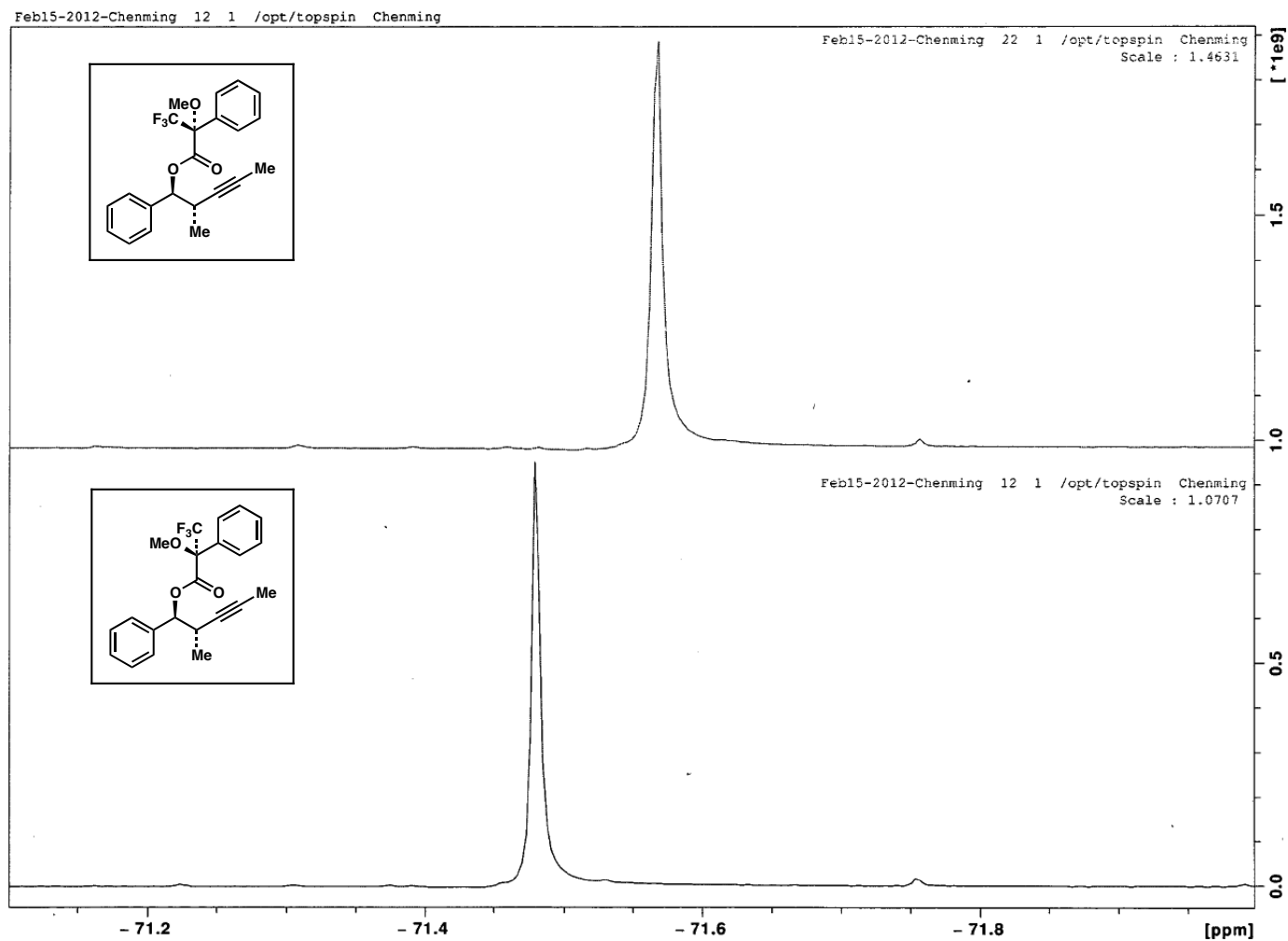






SI-II-50

^{19}F Spectra of the Mosher Esters of **2a**

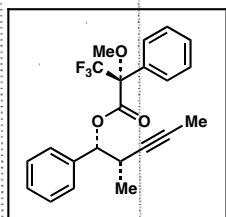


¹⁹F Spectra of the Mosher Esters of **3a**

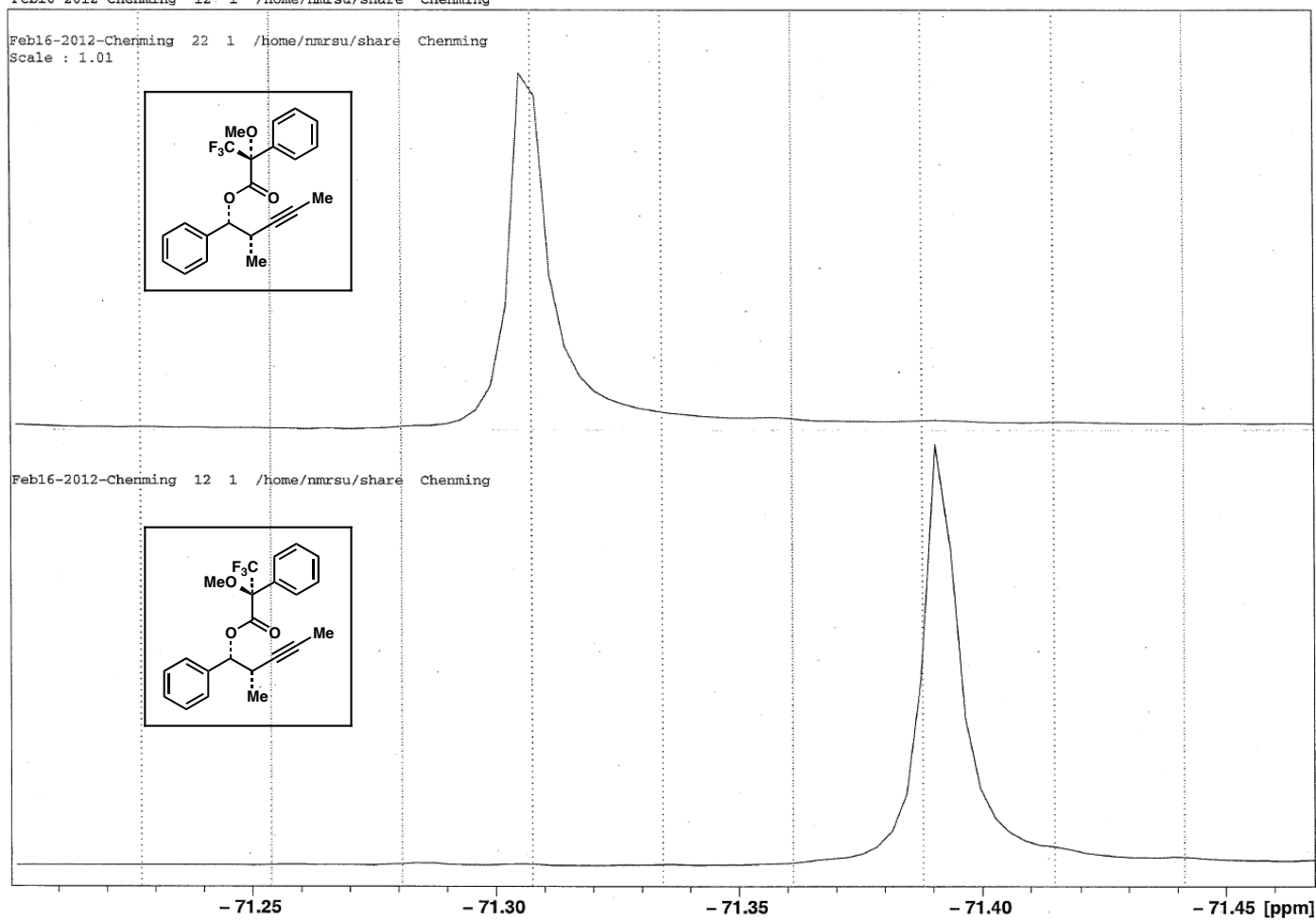
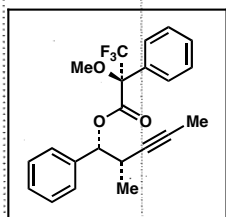
Feb16-2012-Chenming 12 1 /home/nmrsu/share Chenming

Feb16-2012-Chenming 22 1 /home/nmrsu/share Chenming

Scale : 1.01



Feb16-2012-Chenming 12 1 /home/nmrsu/share Chenming



¹⁹F Spectra of the Mosher Esters of **3c**

