

# Synthesis and Biological Evaluation of $\alpha$ -Tubulin-binding Pironetin Analogues Lacking Alkyl Pendants in the Side Chain or the Pyrone Ring

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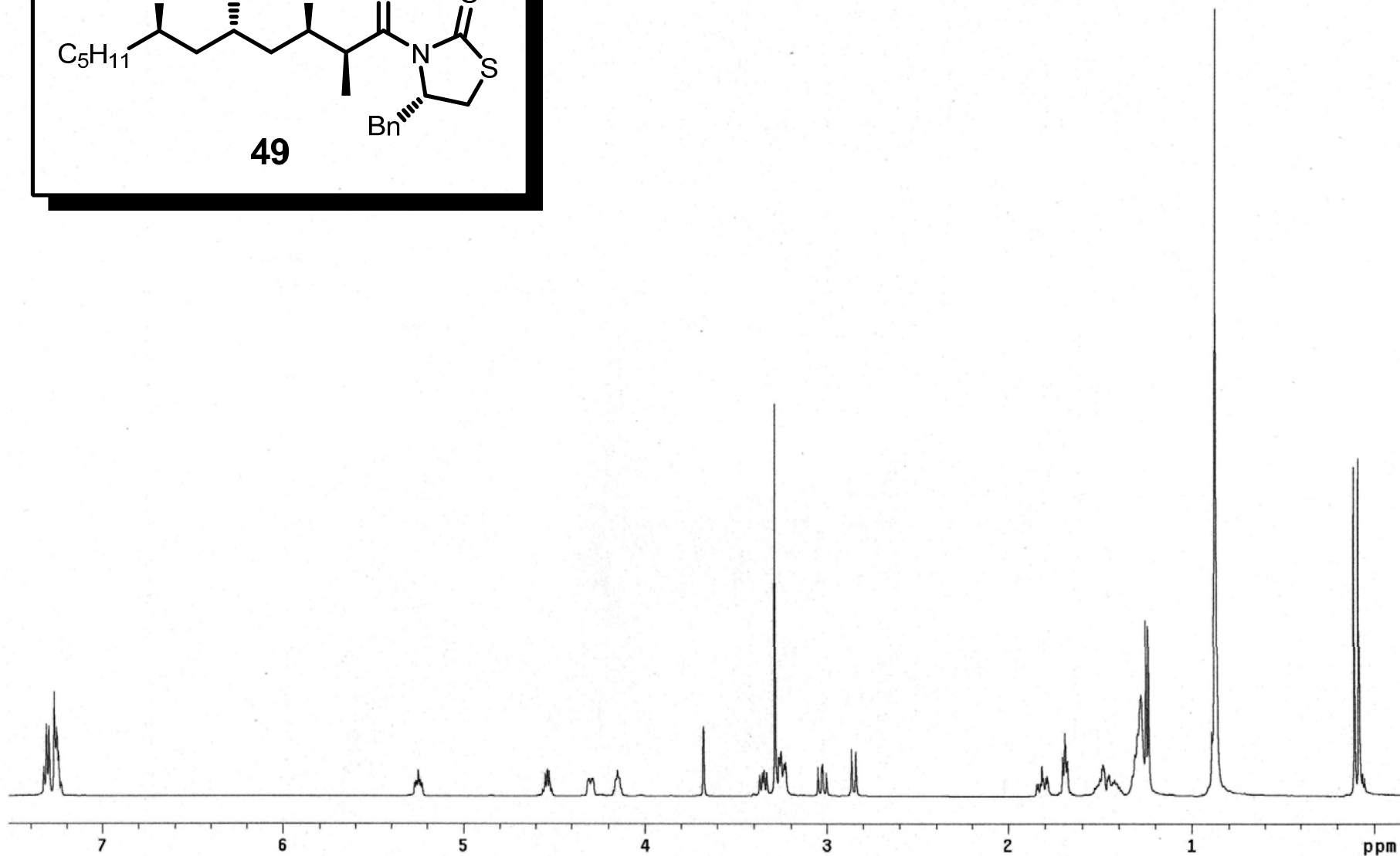
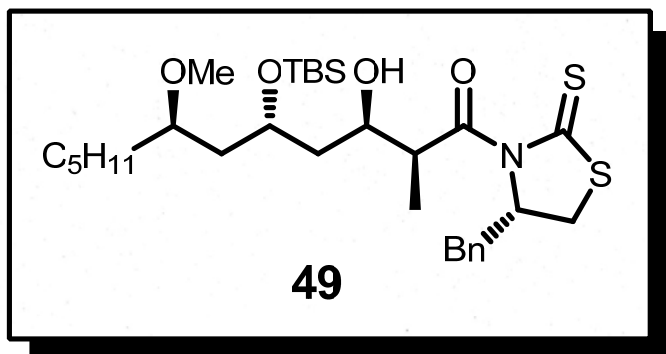
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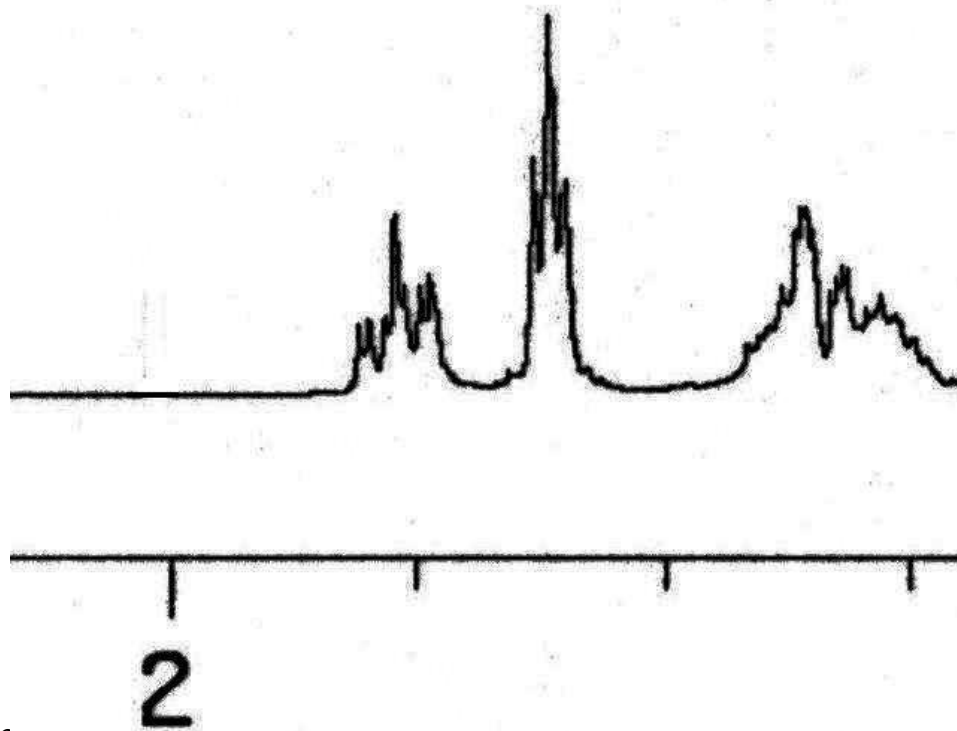
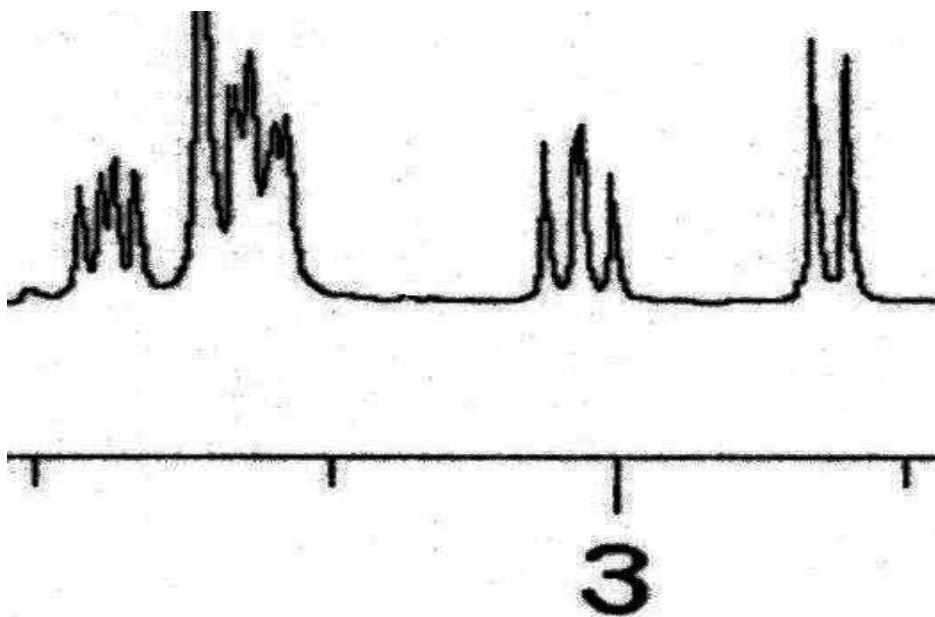
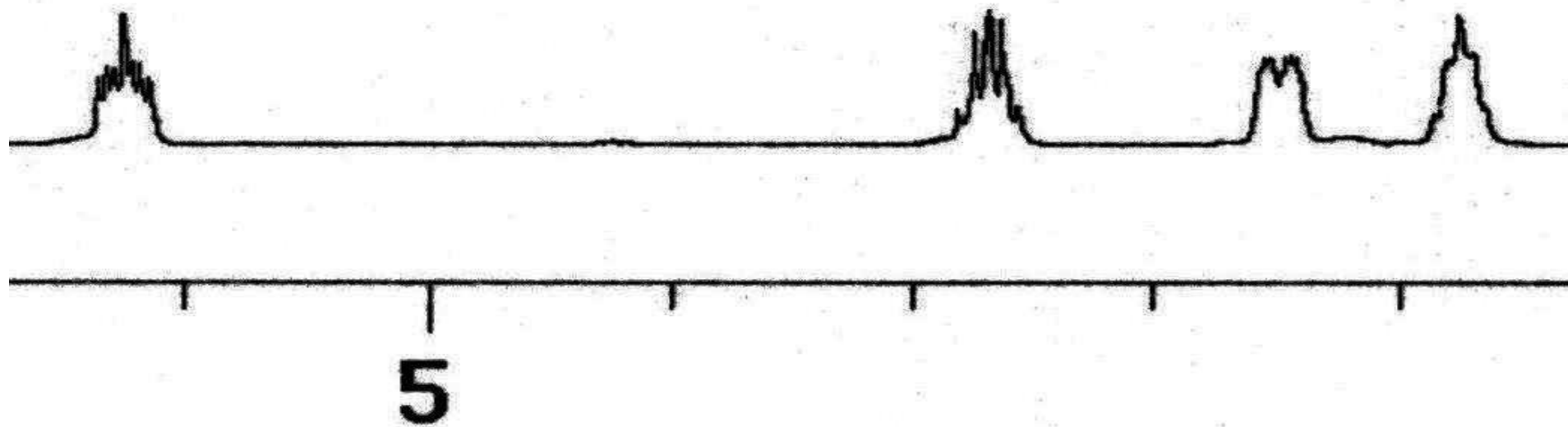
## *Supporting Information*

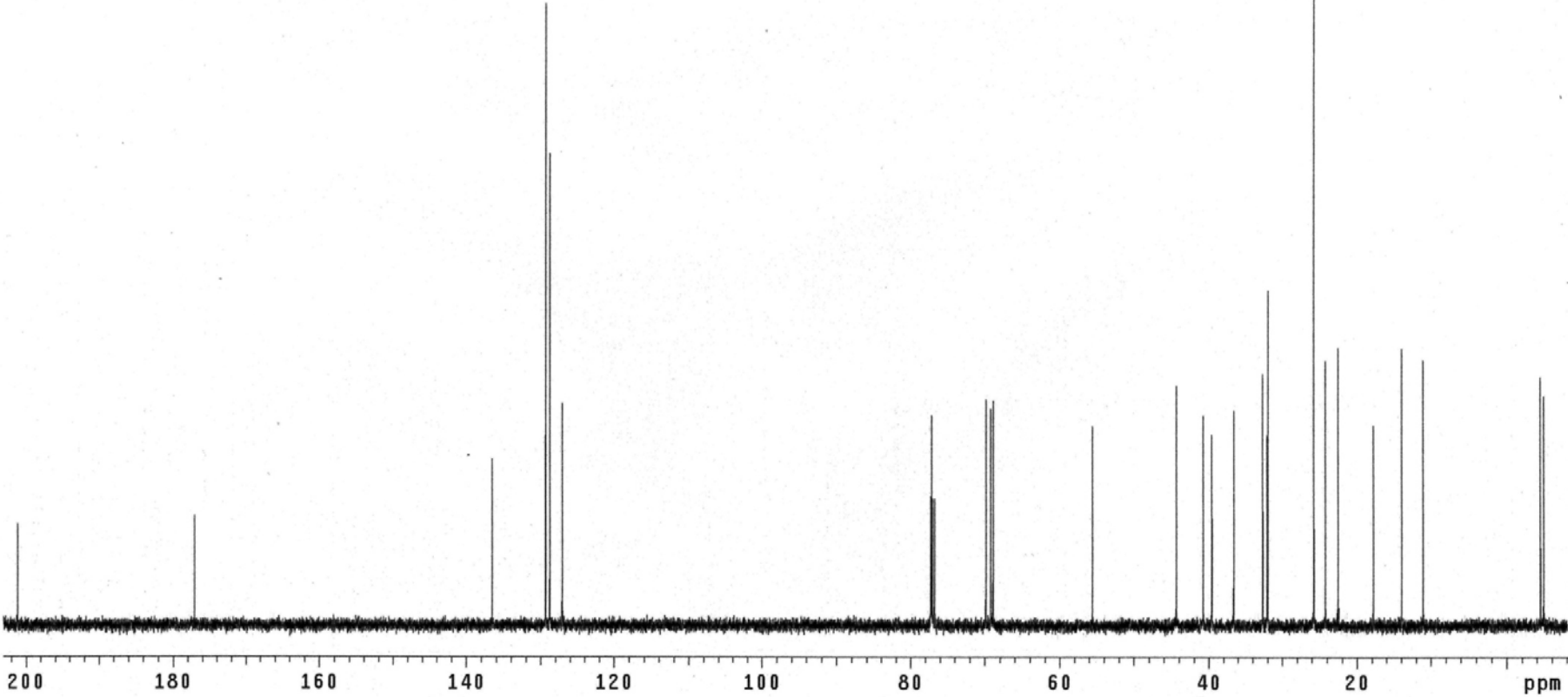
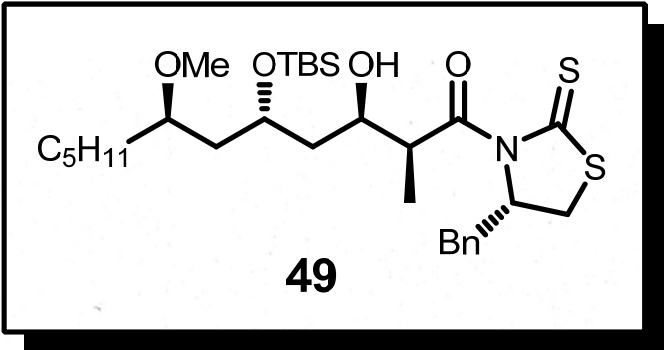
### *Contents:*

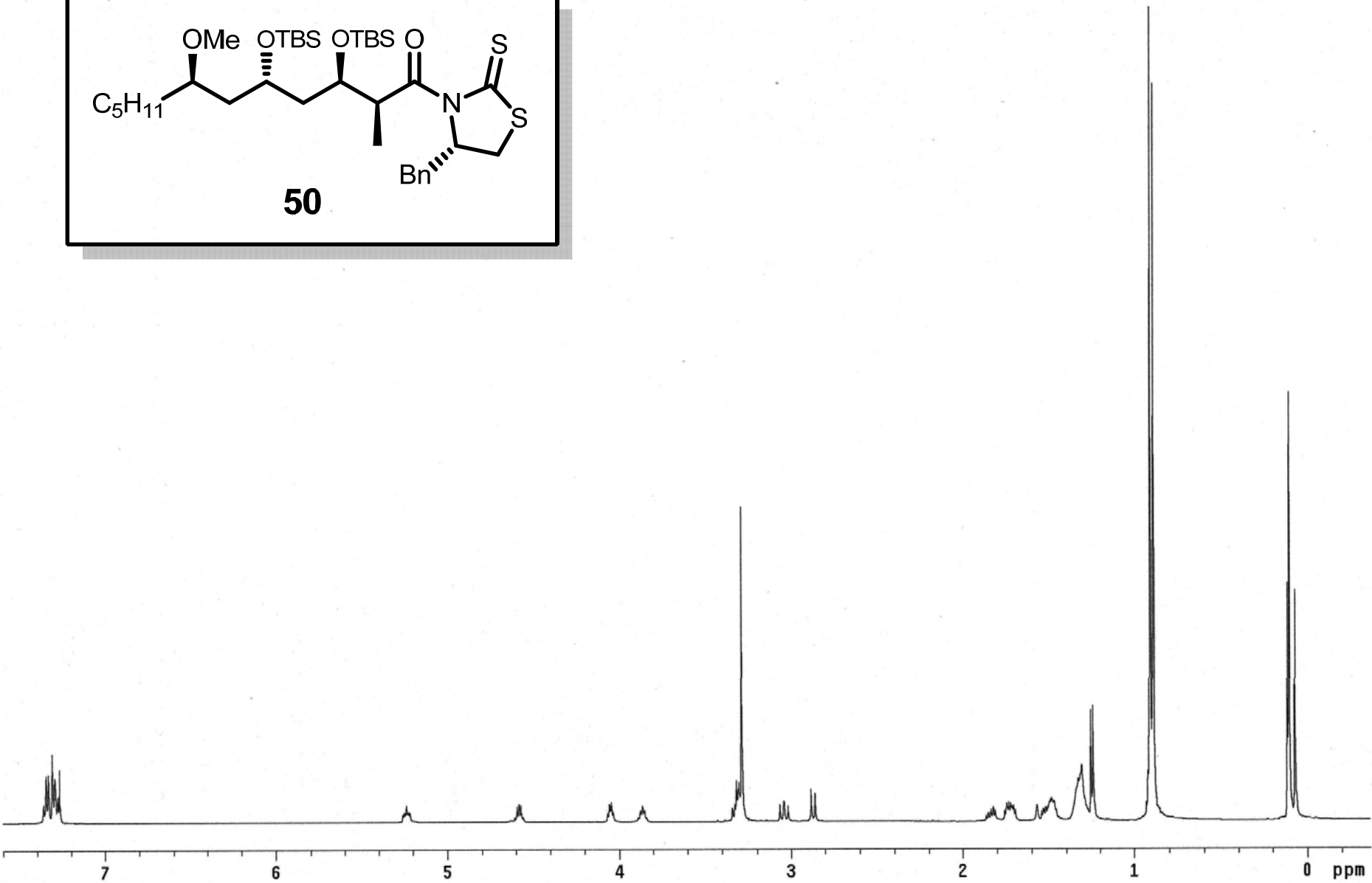
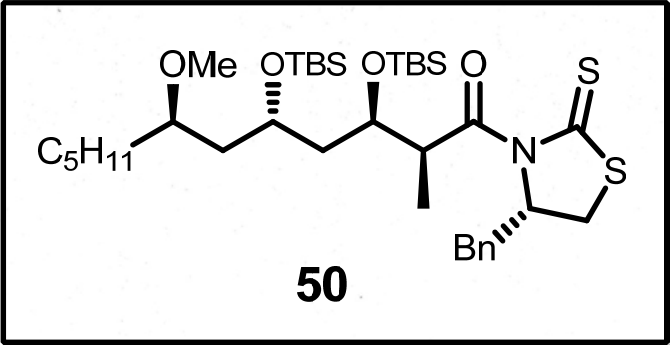
*S-2/S-31: NMR Spectra of compounds 49-58*

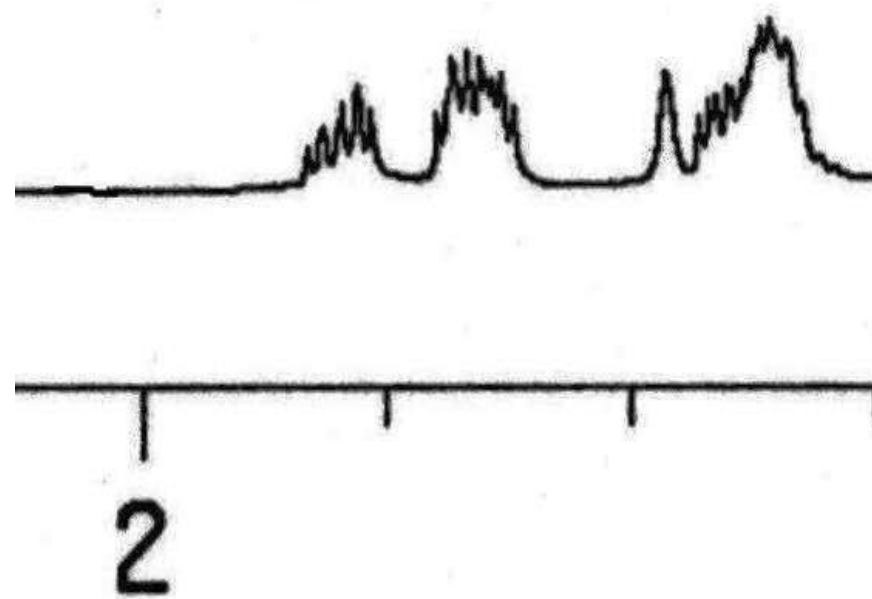
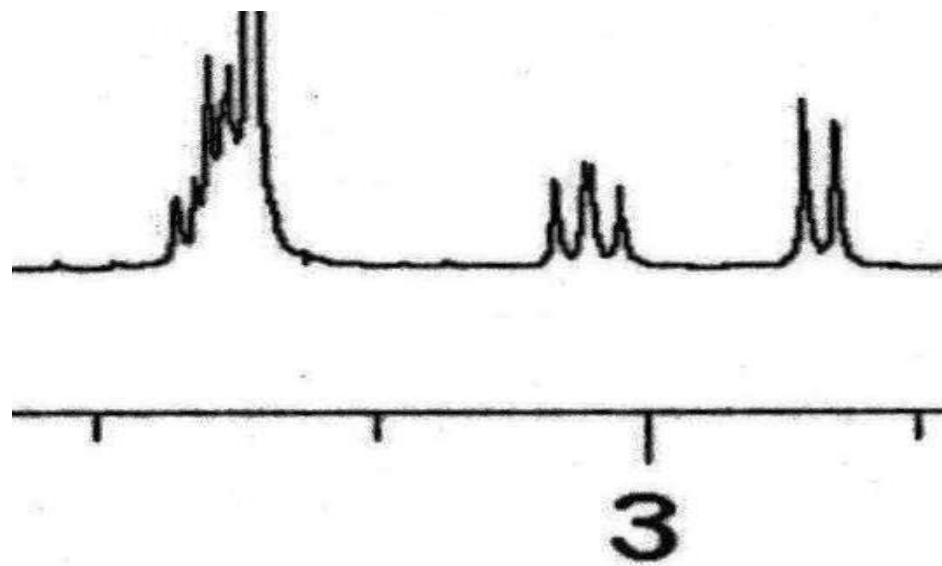
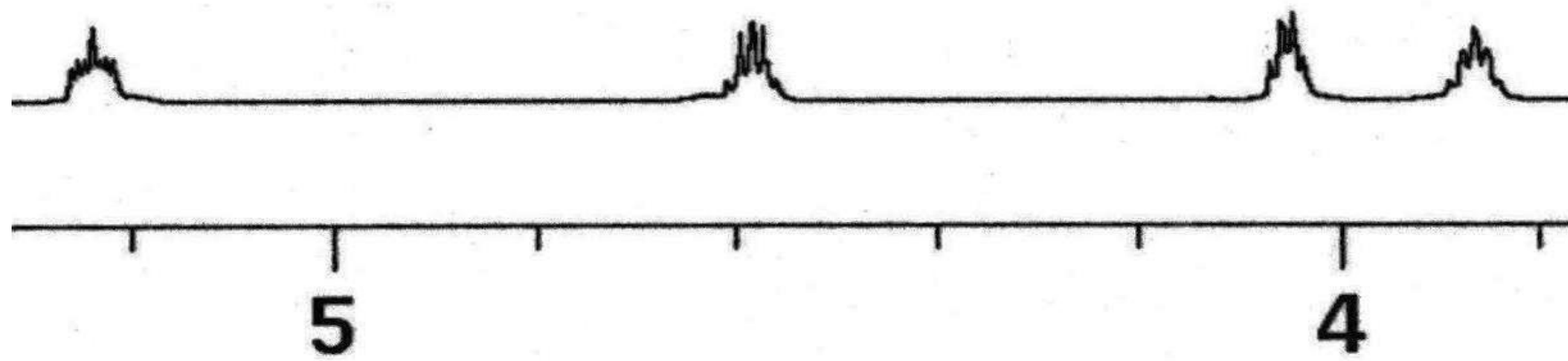
## NMR spectra of intermediate and final compounds

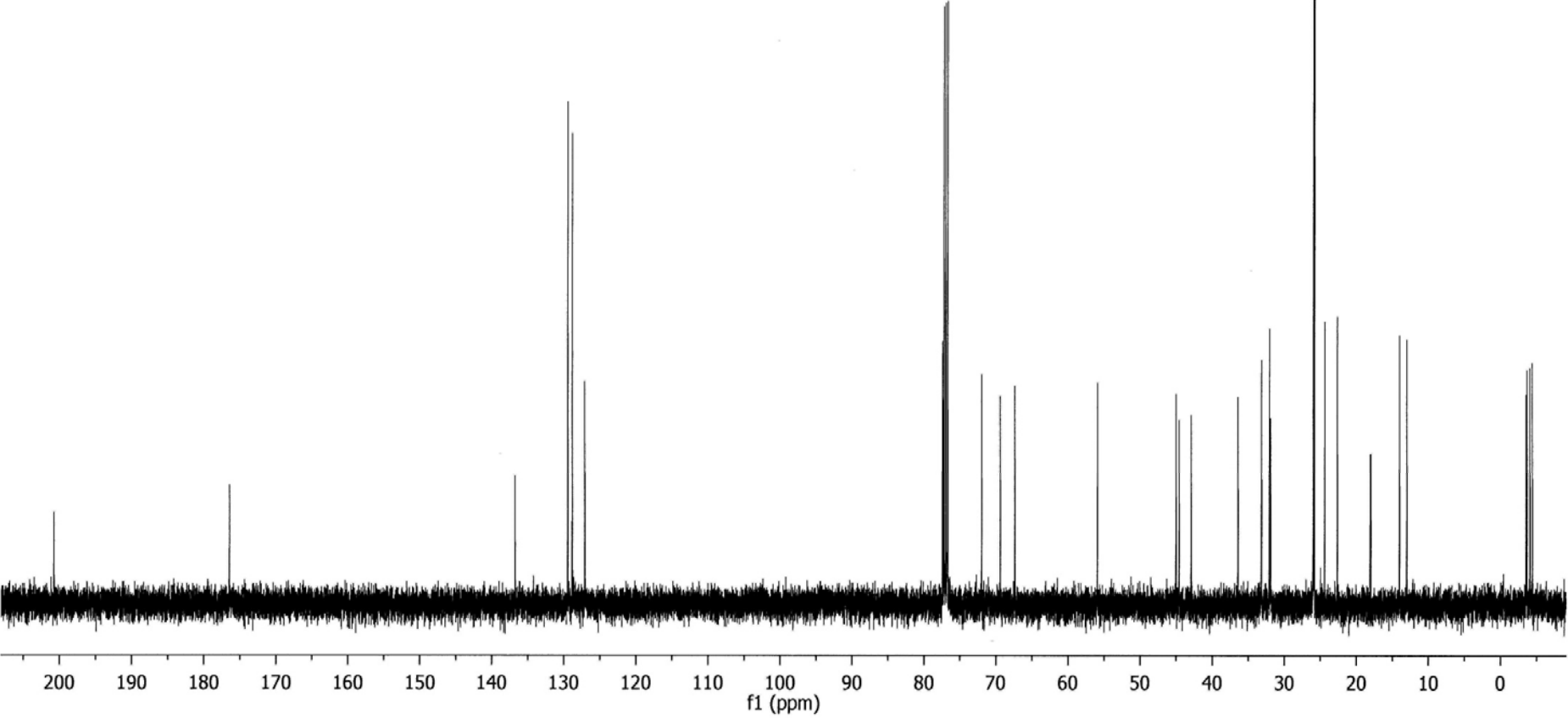
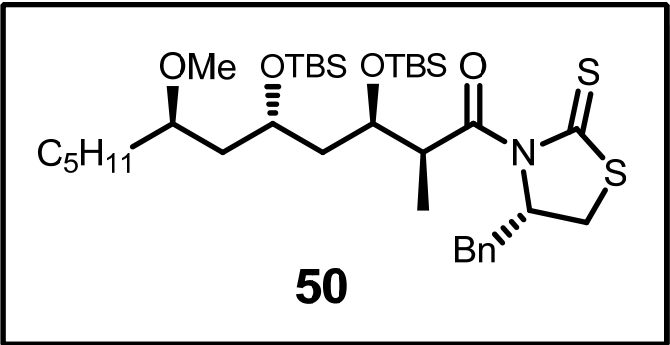


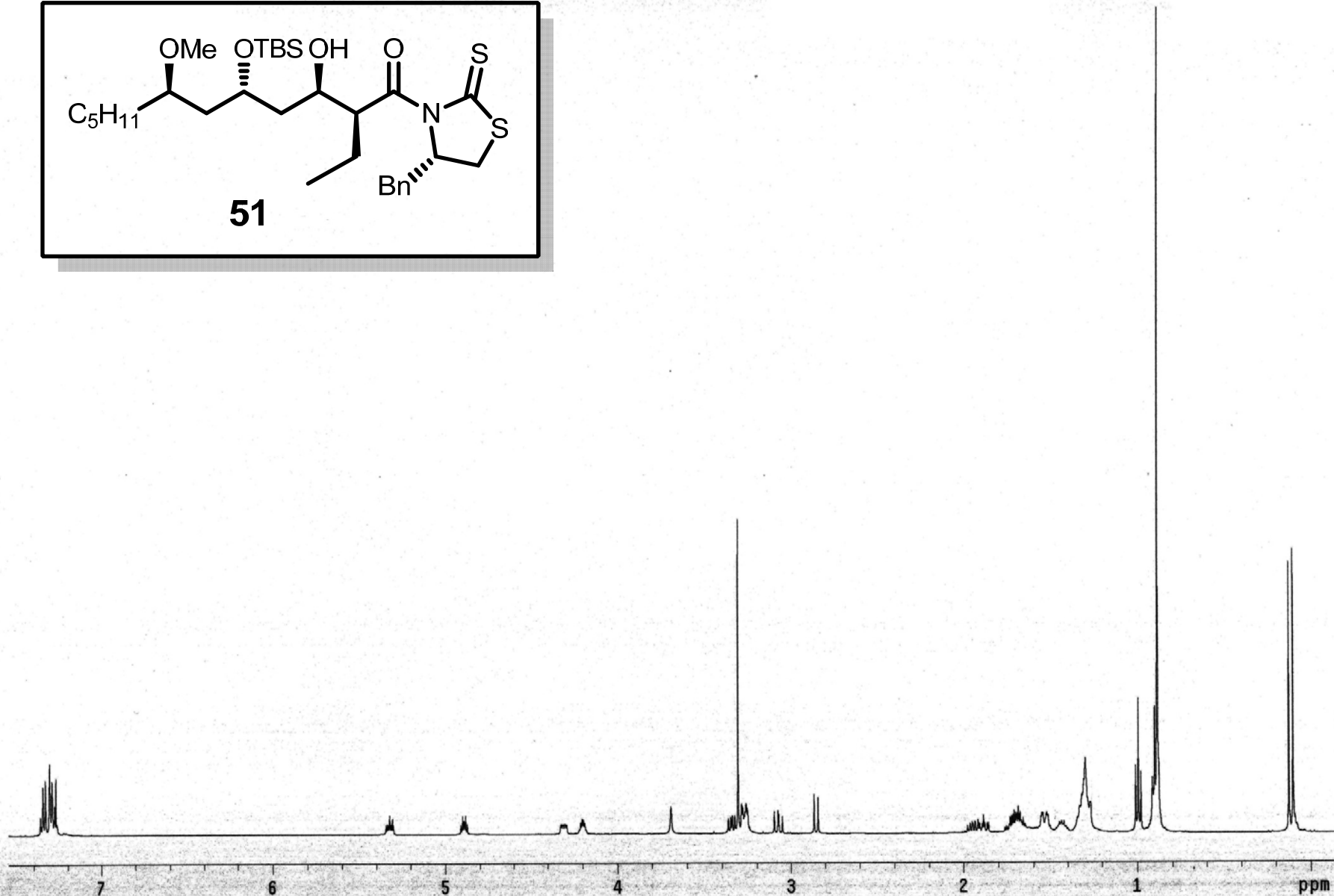
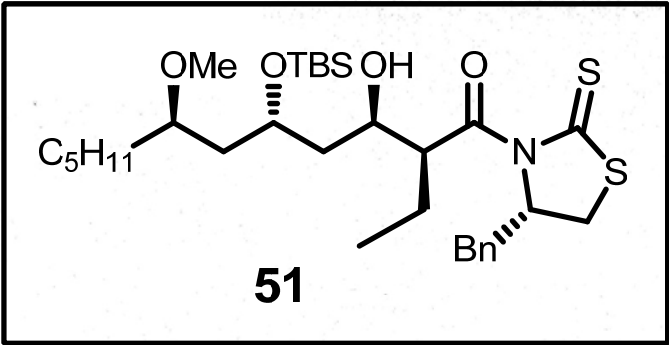




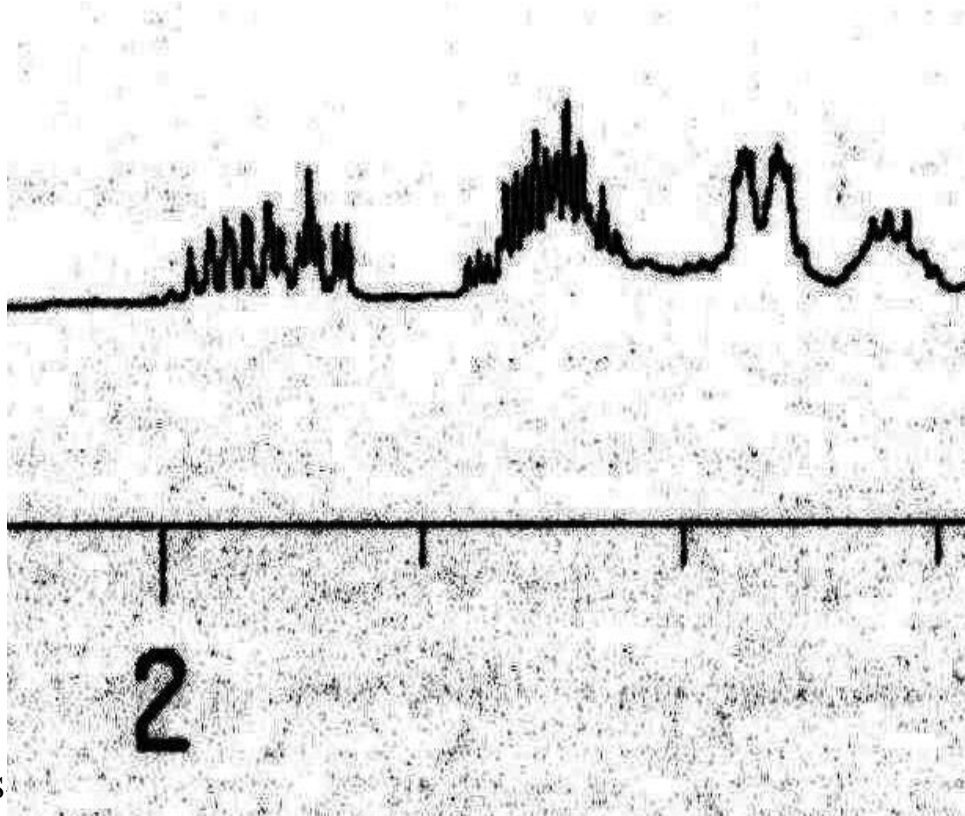
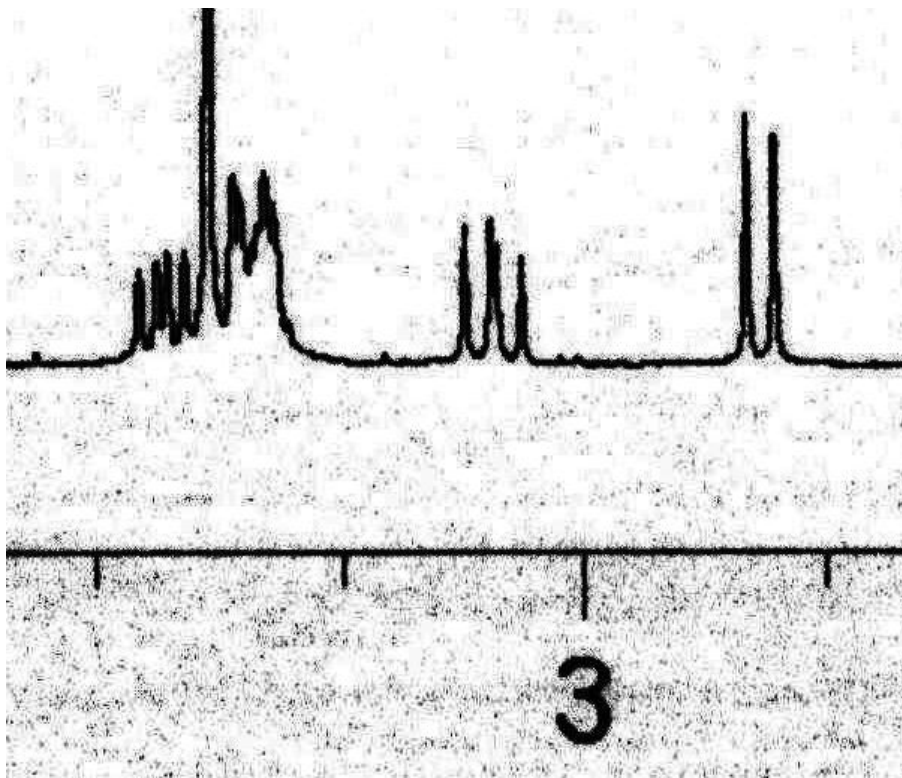
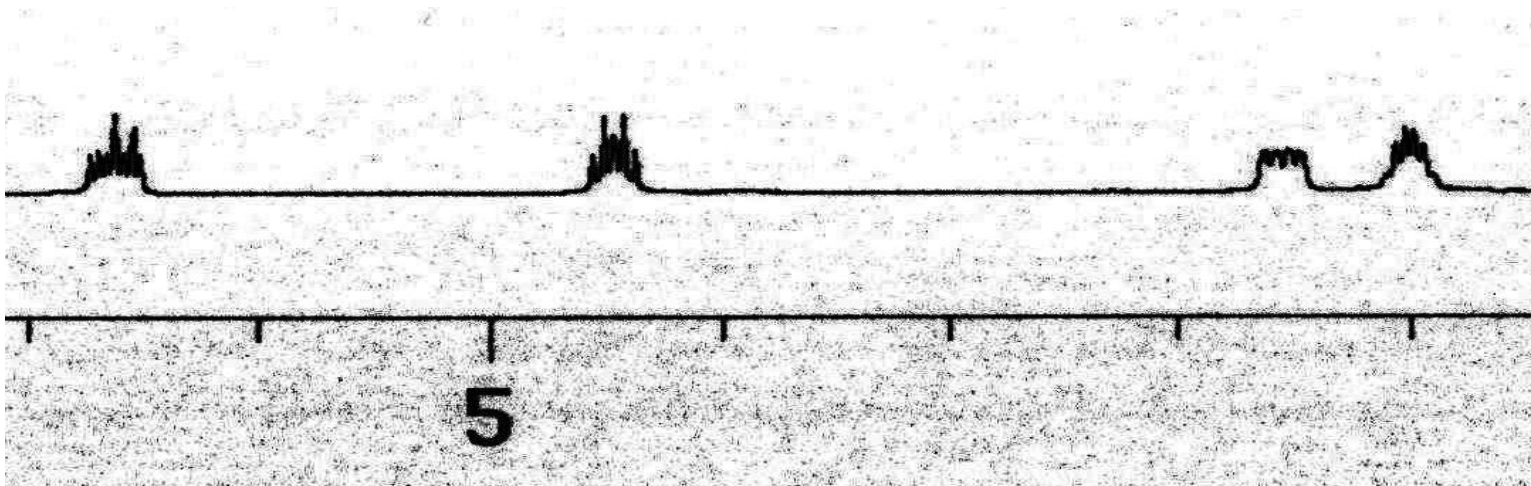


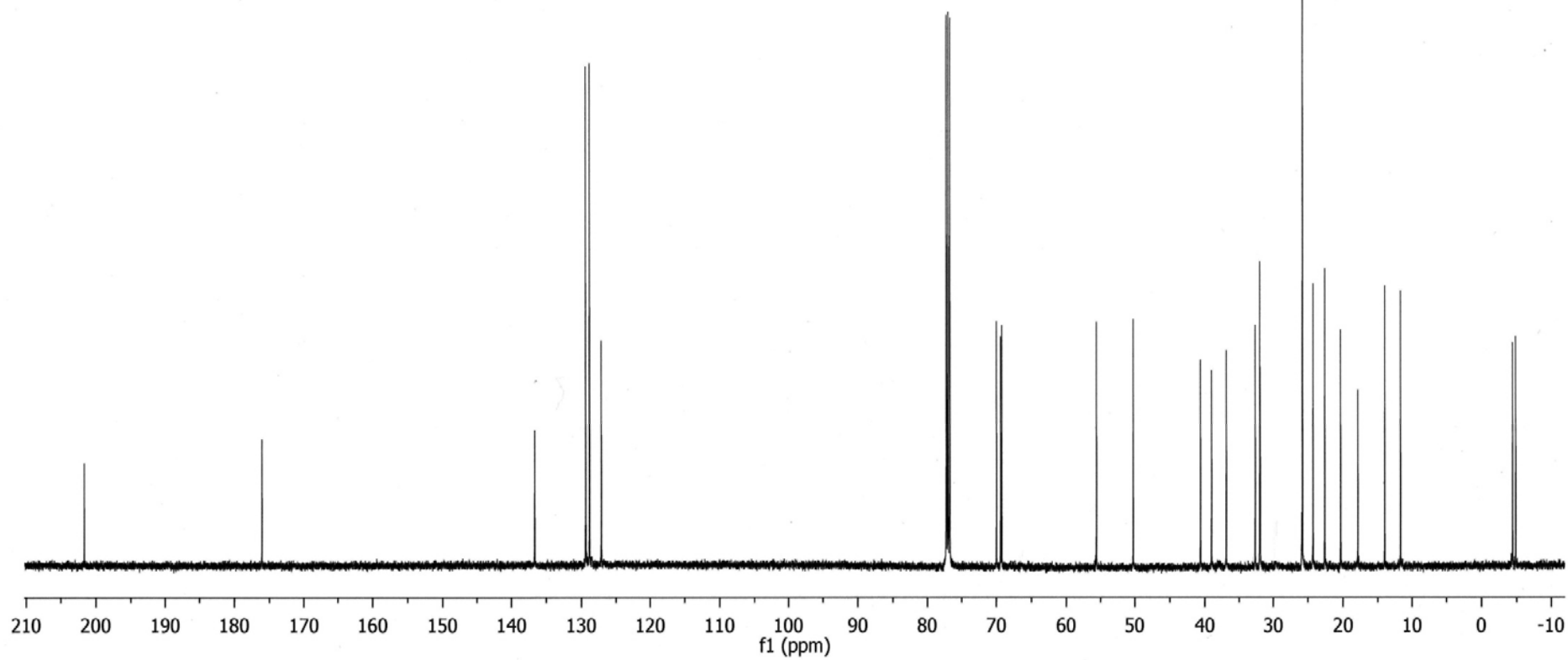
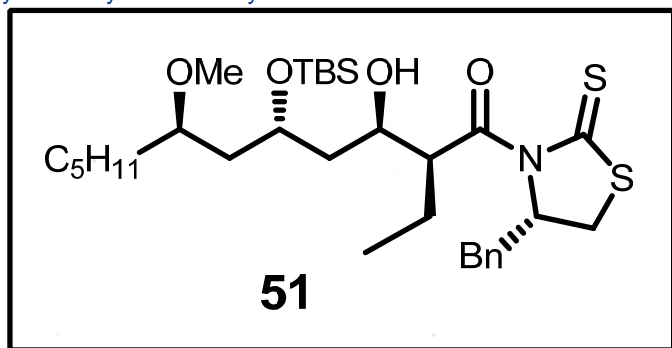


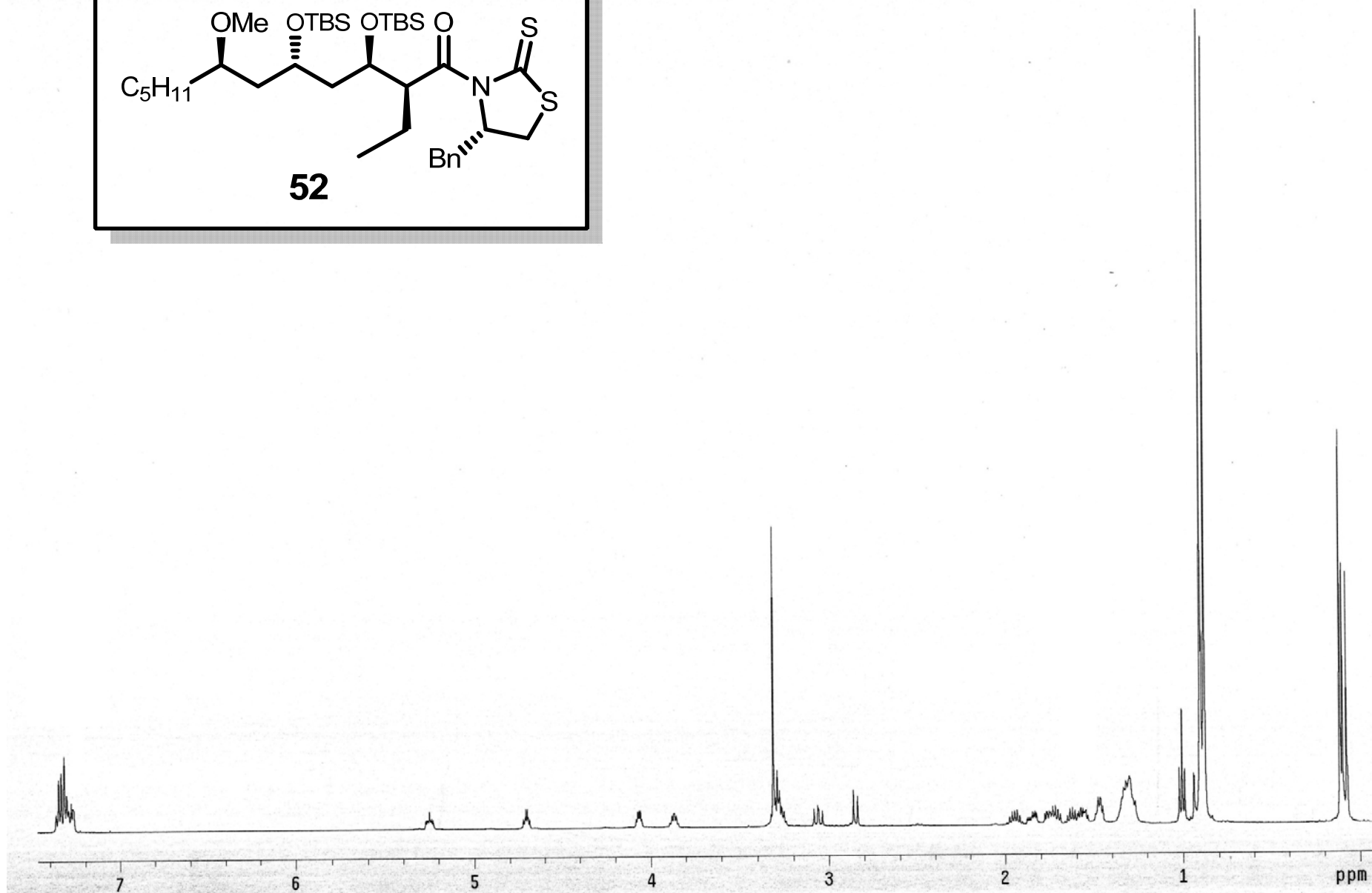
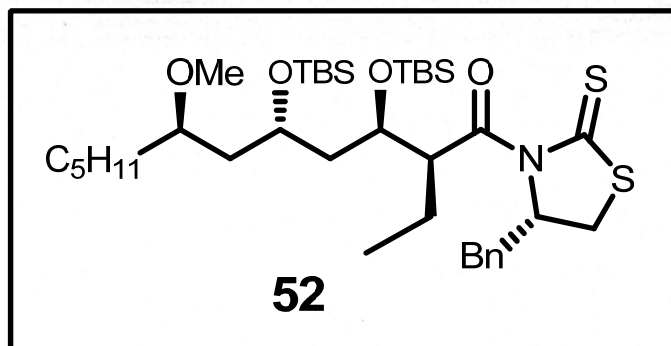




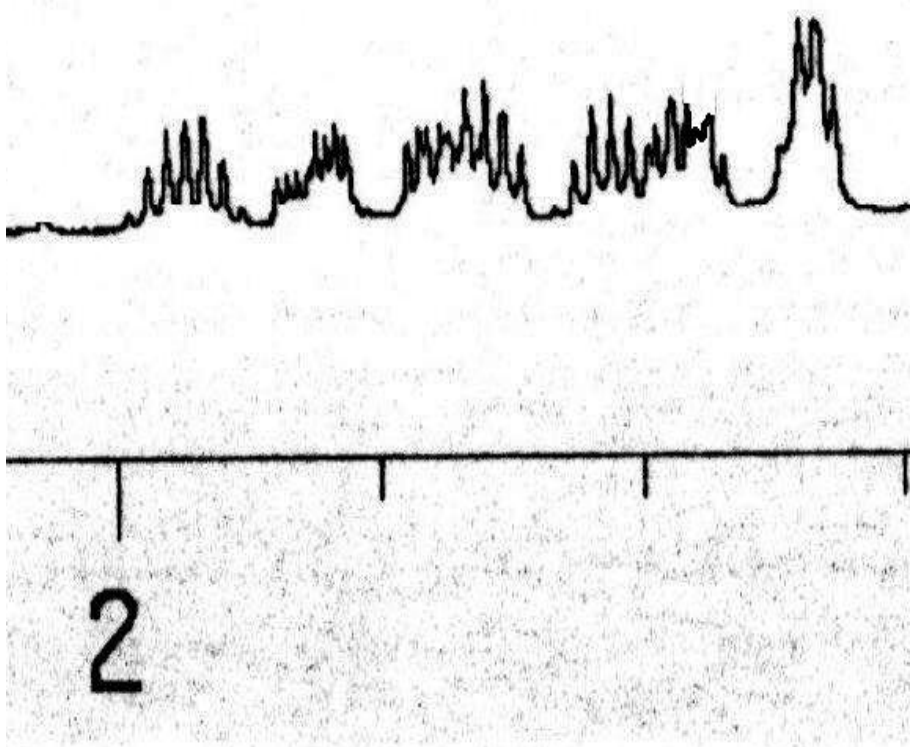
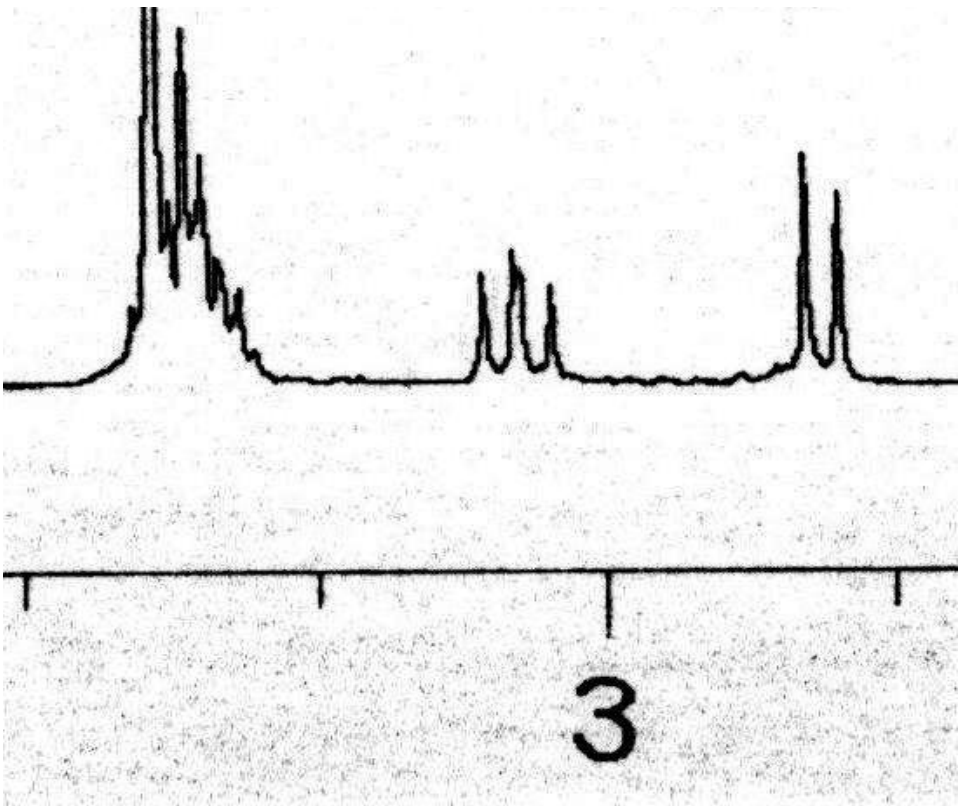
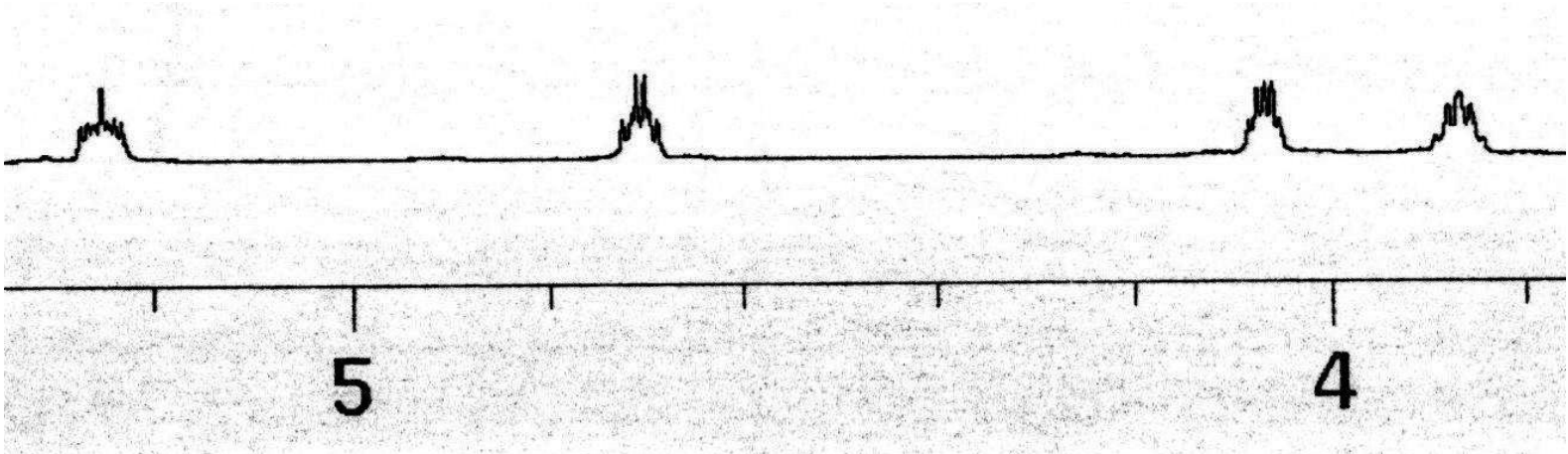


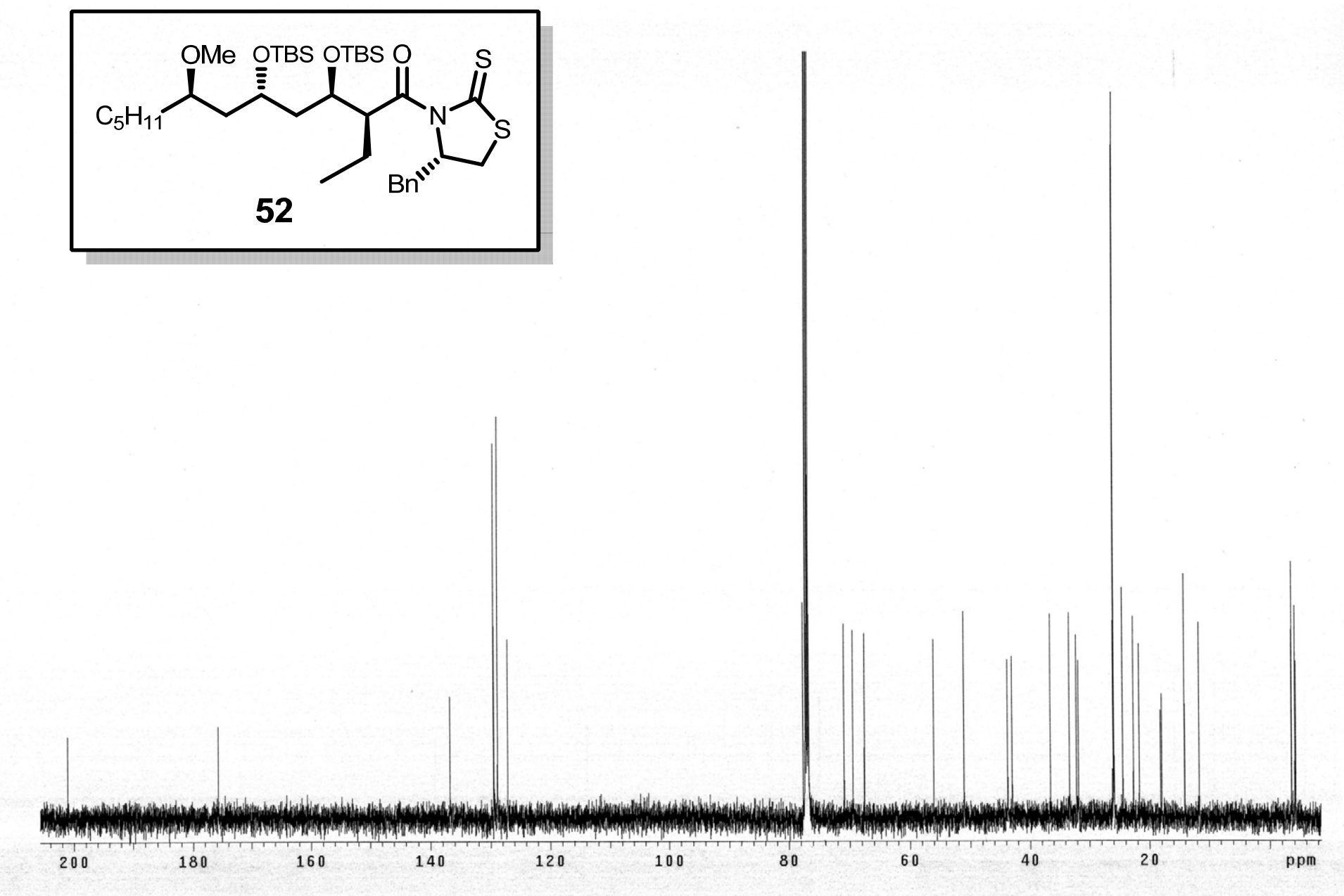
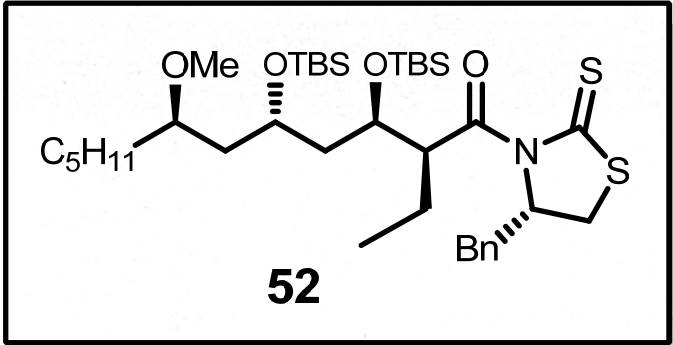


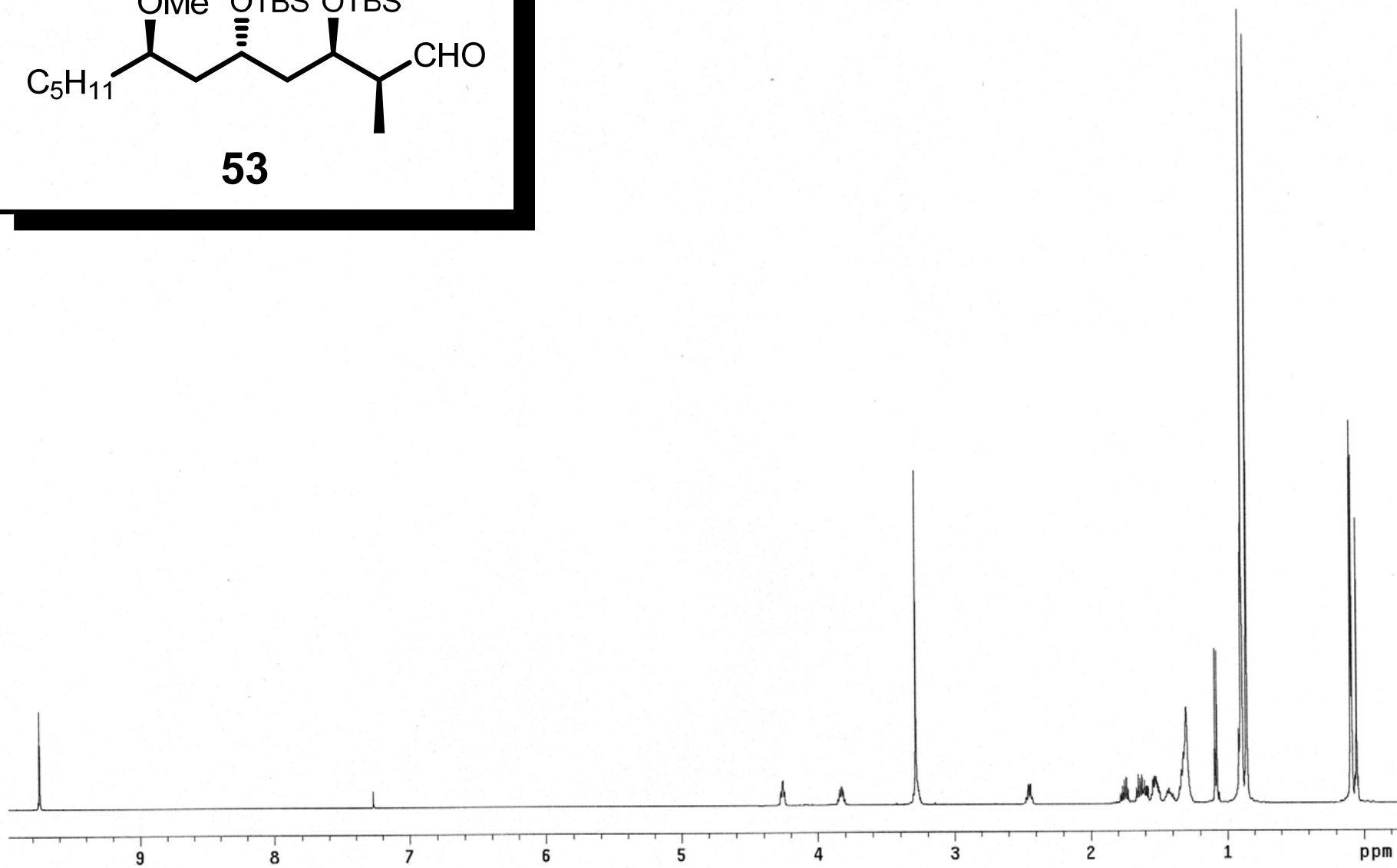
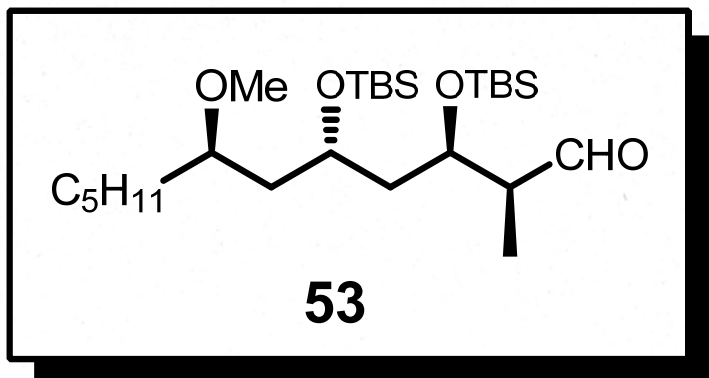


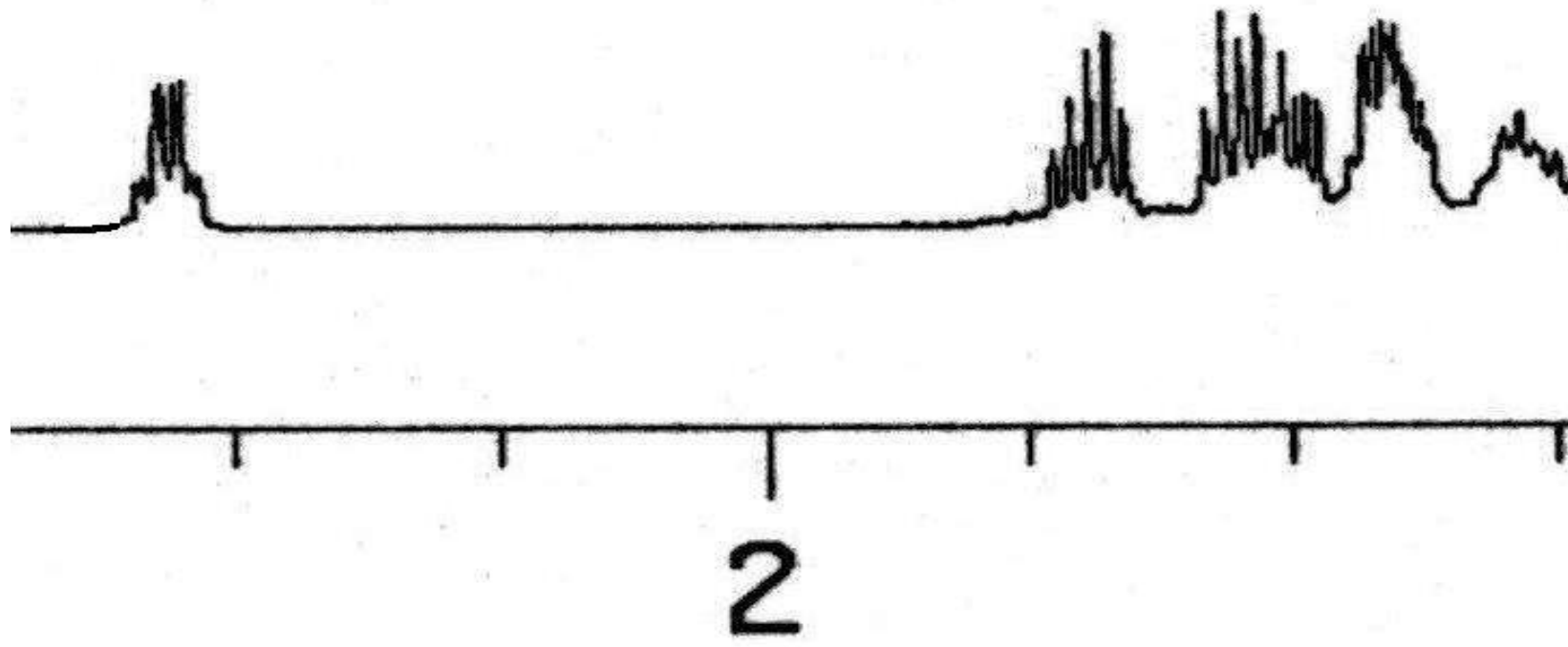
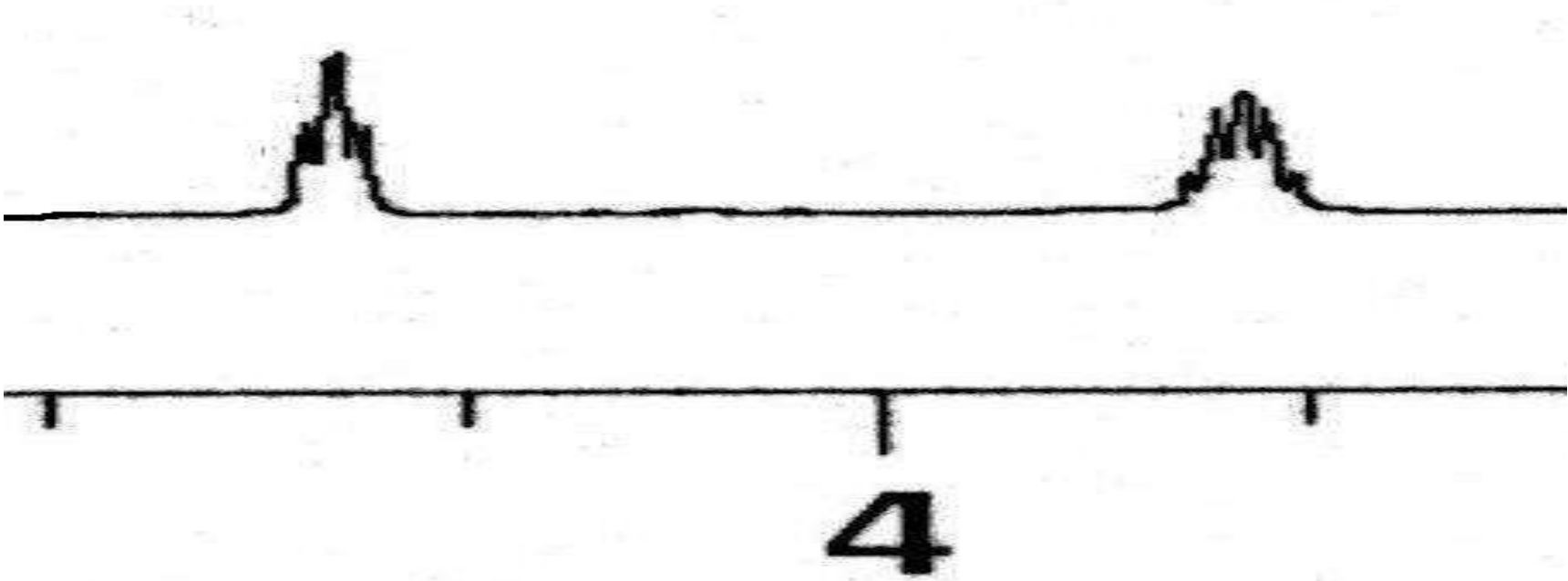


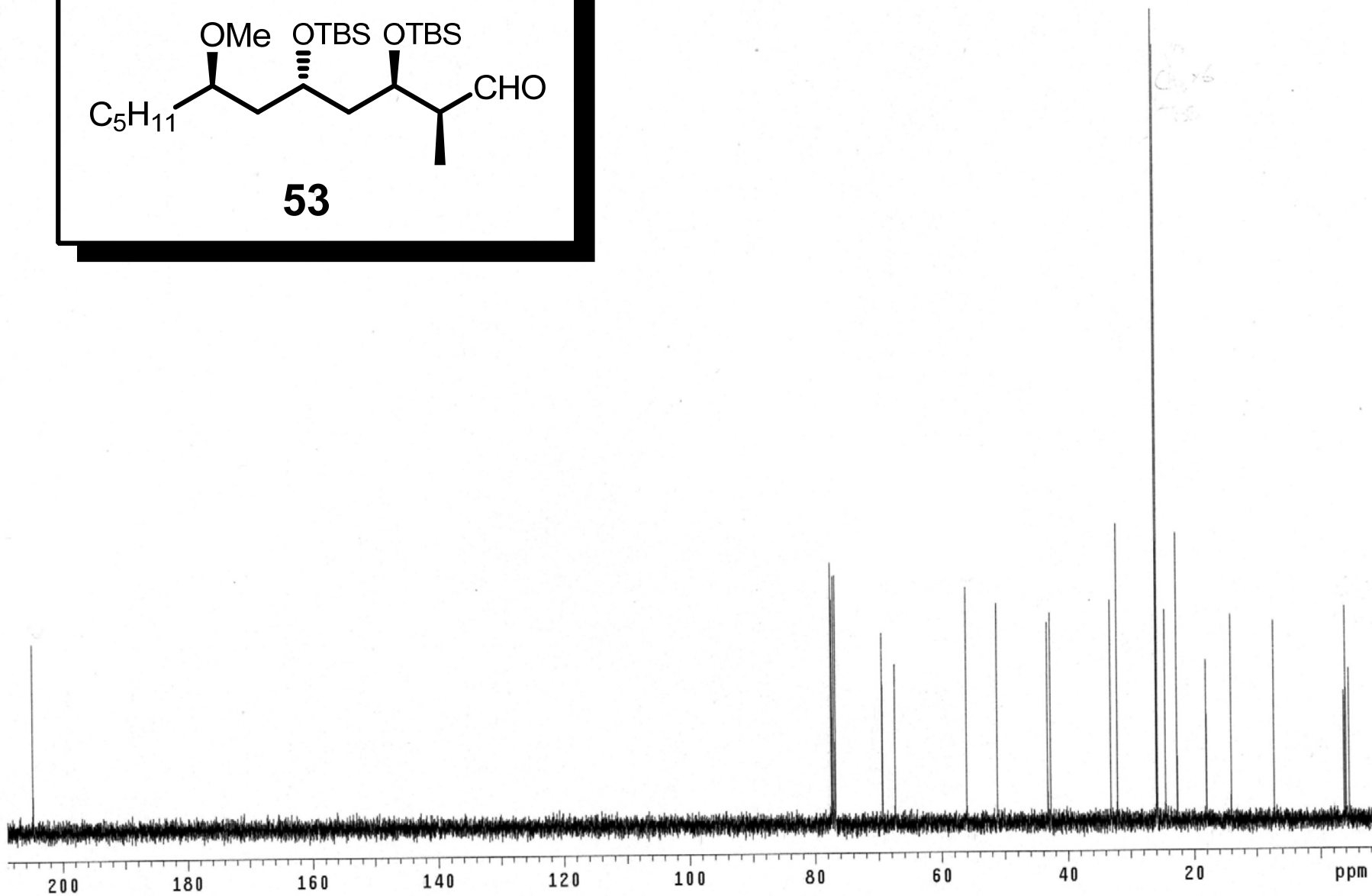
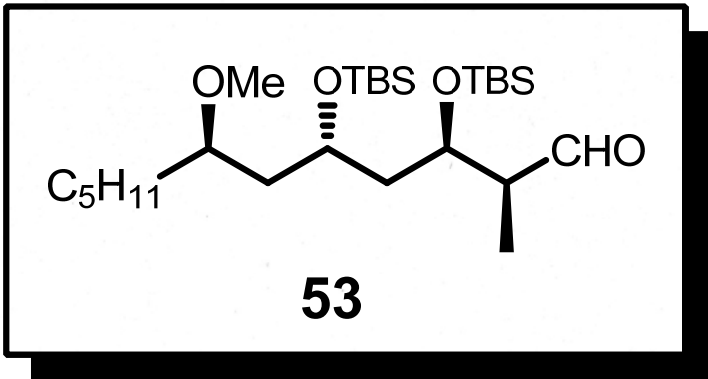




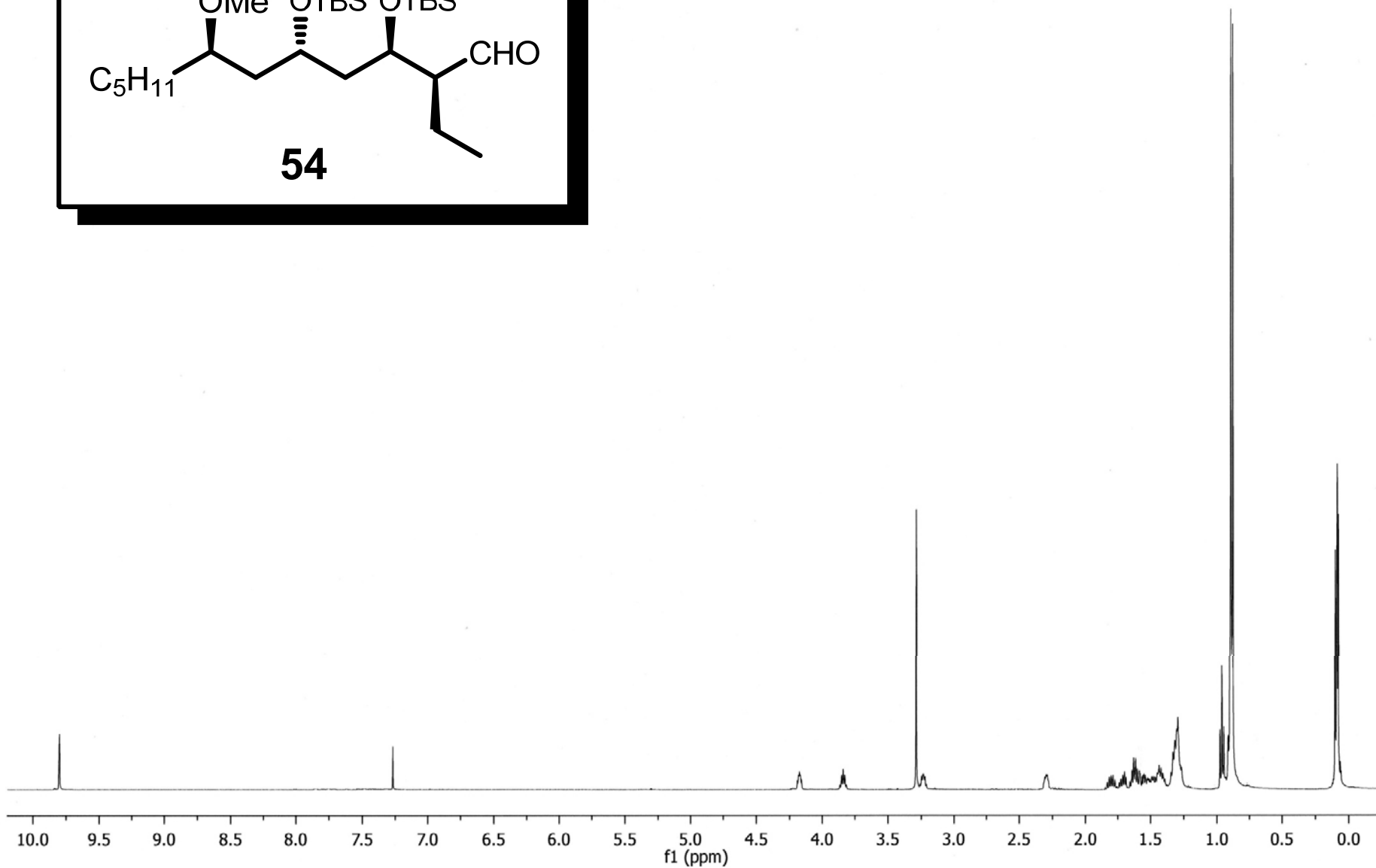
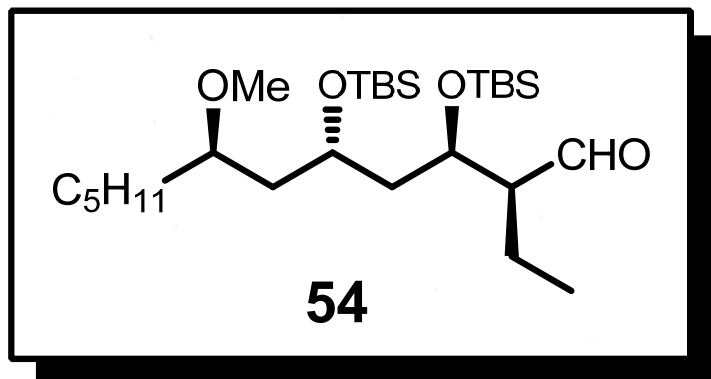


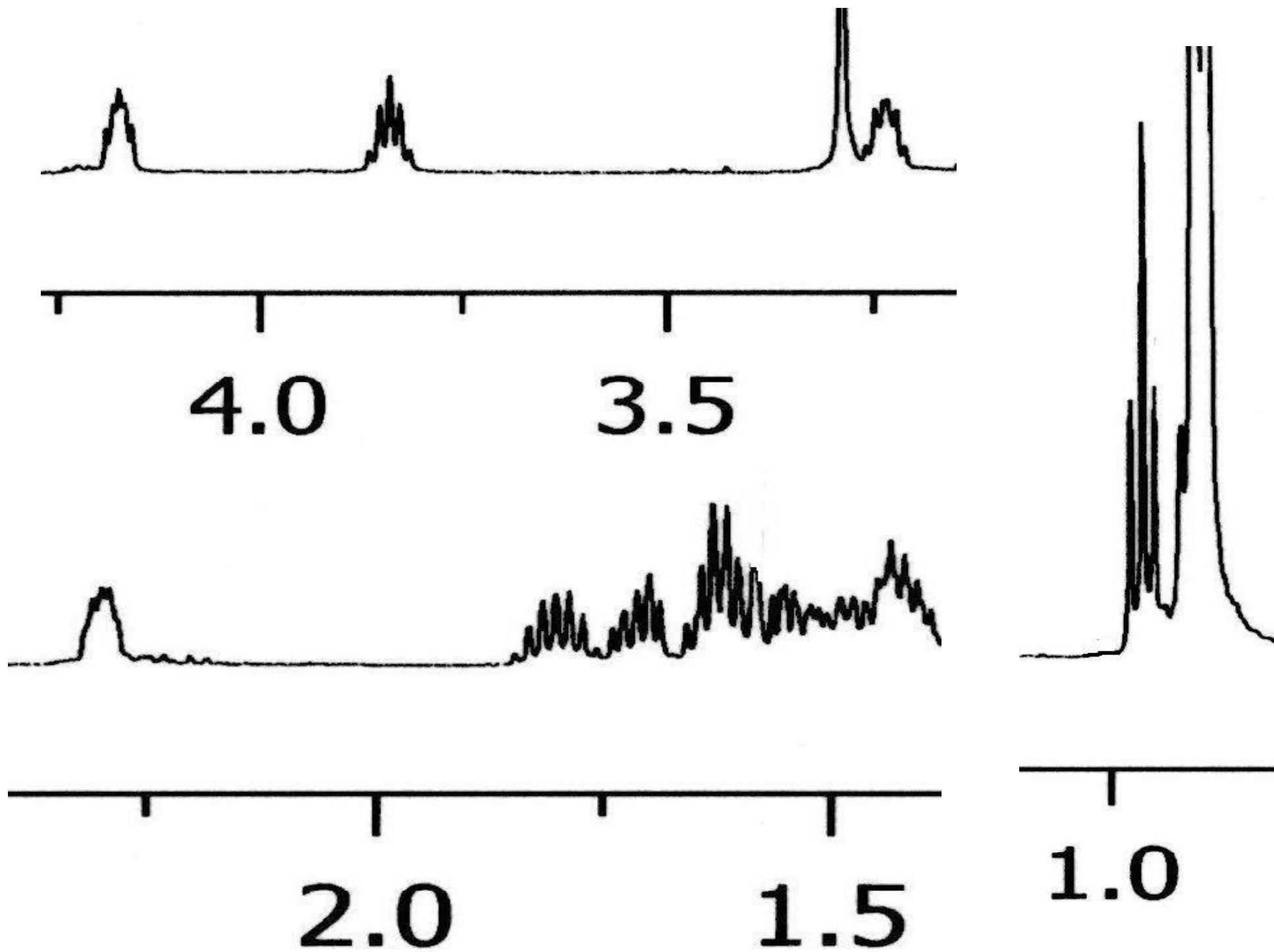


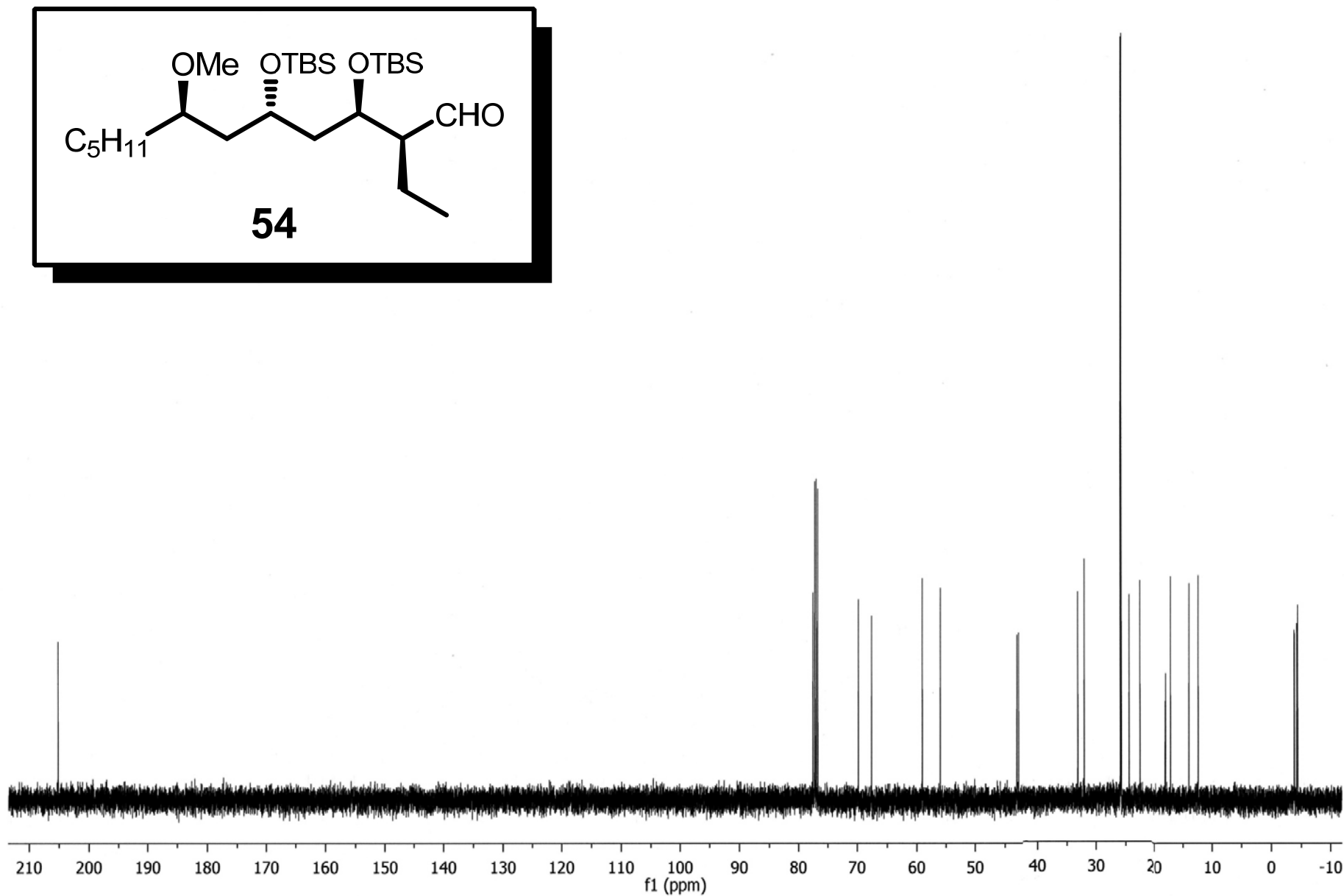


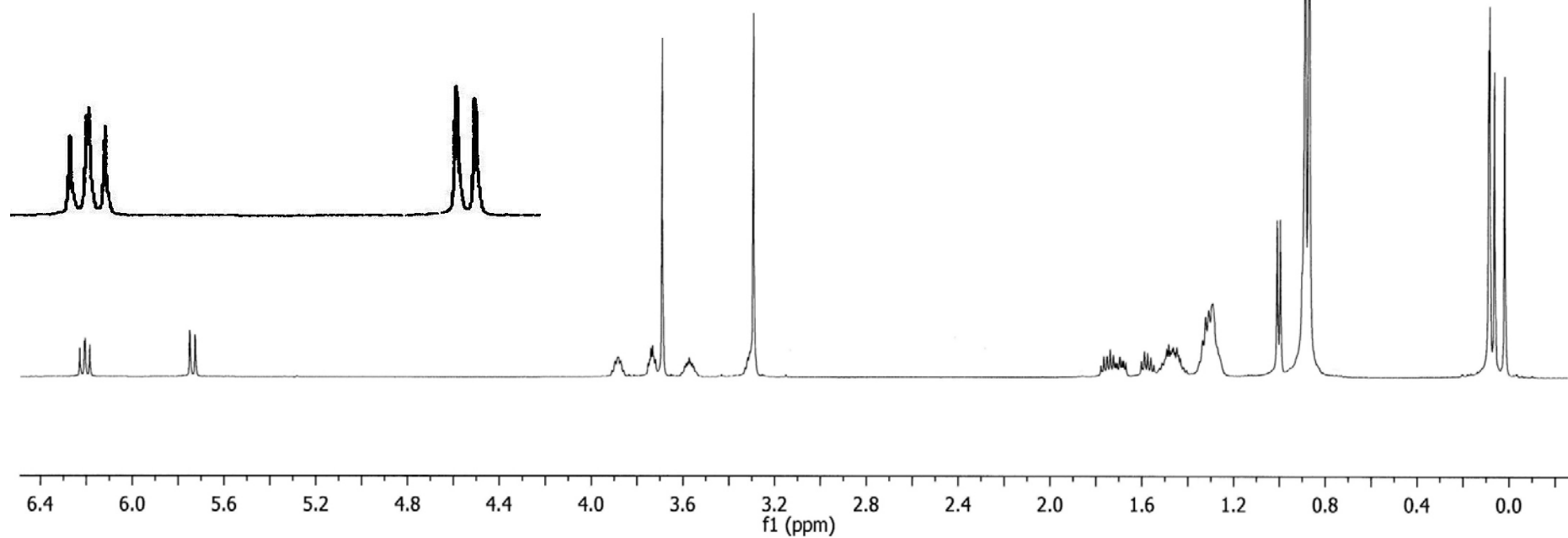
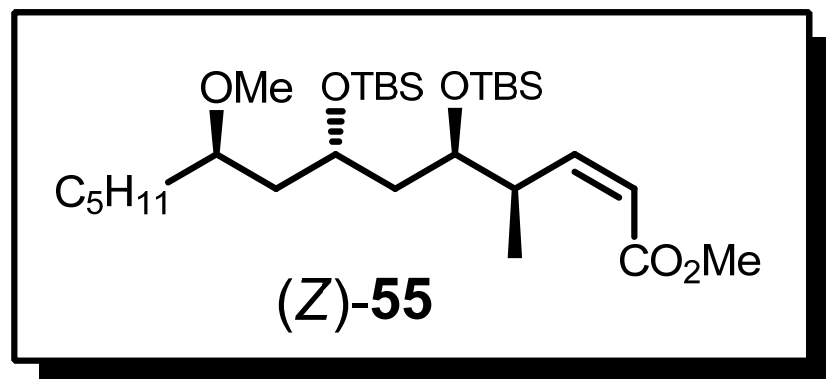




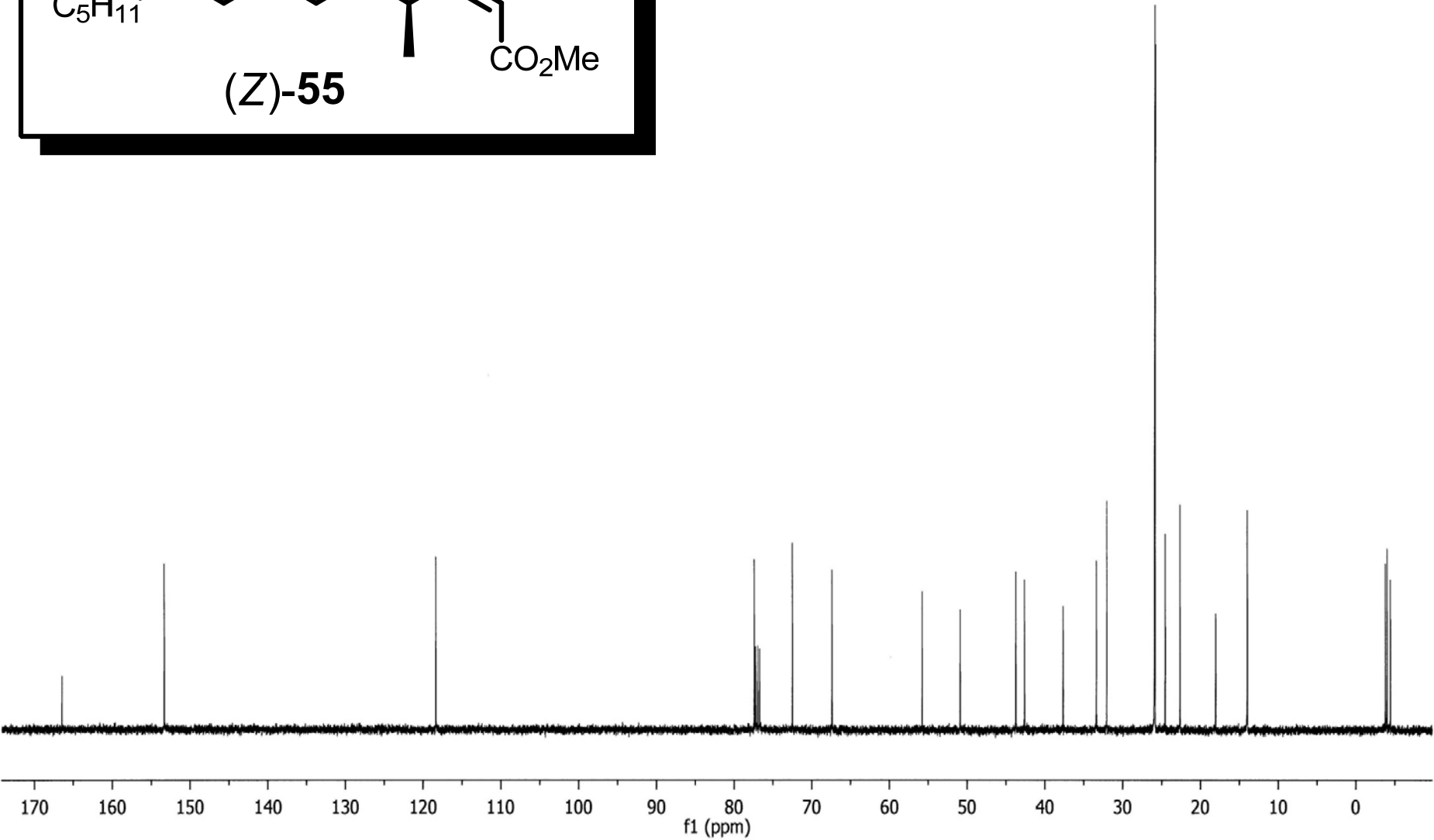
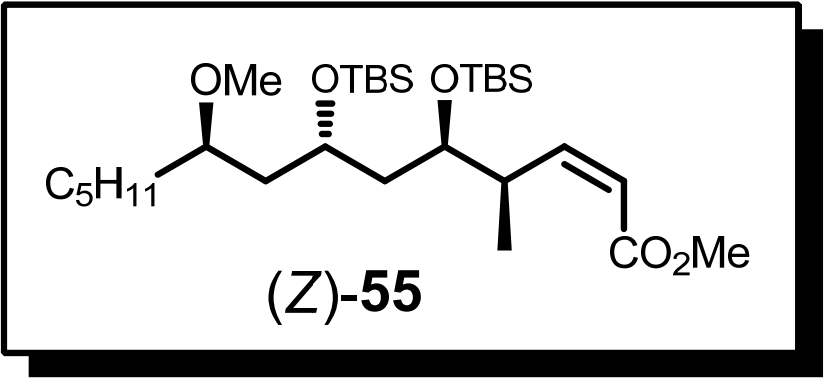


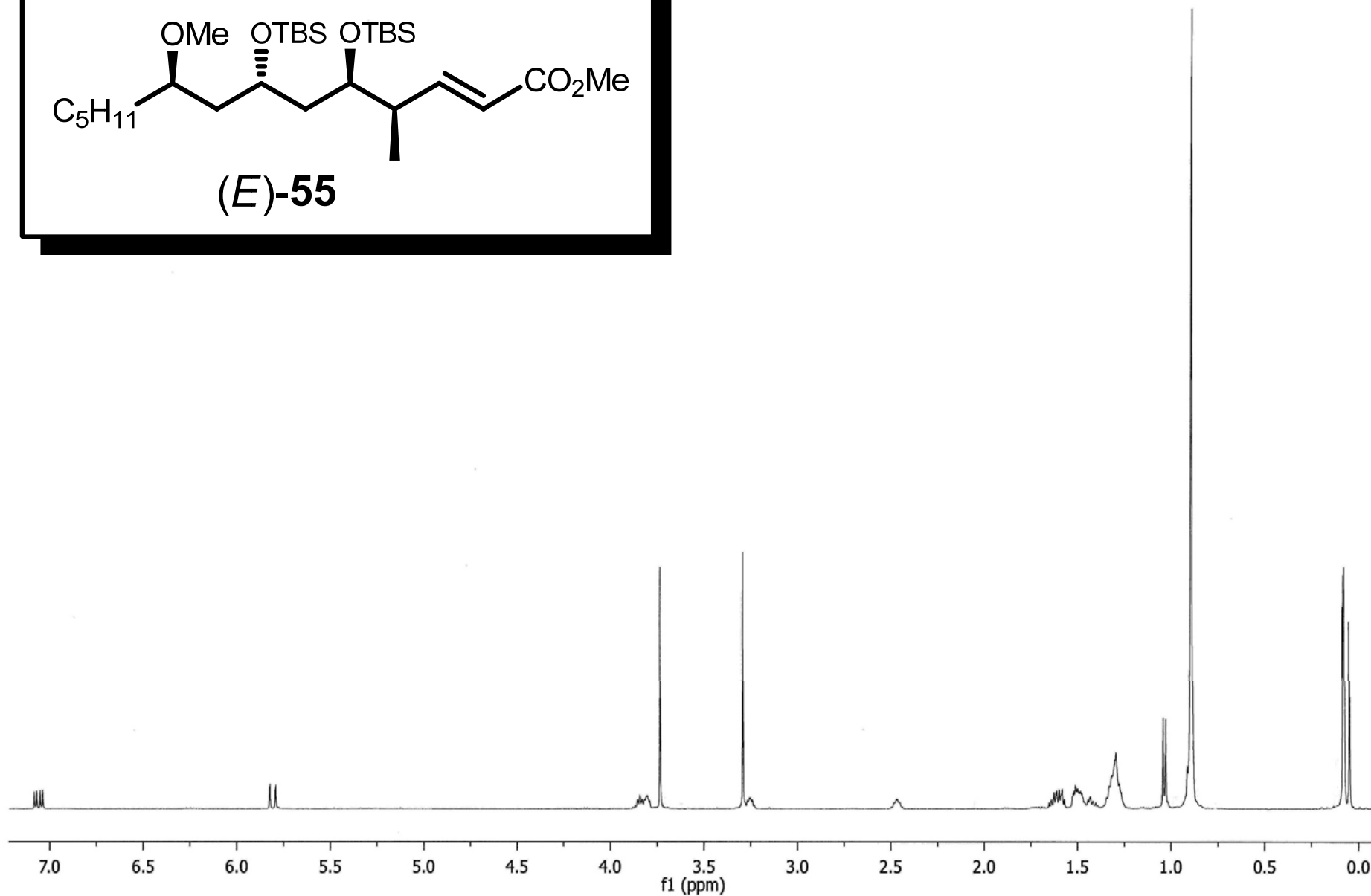
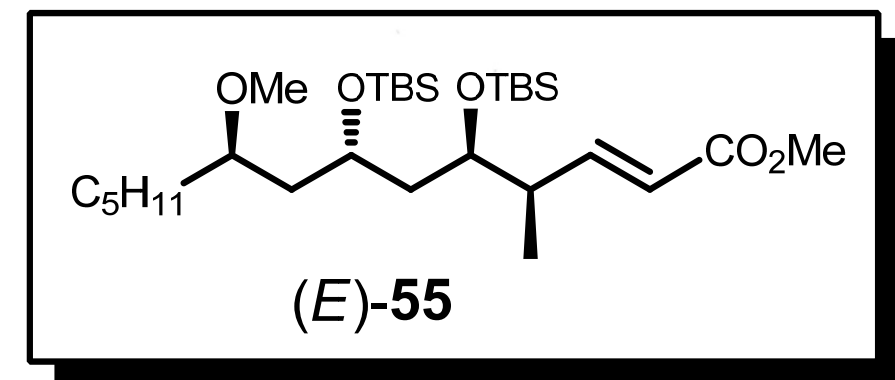


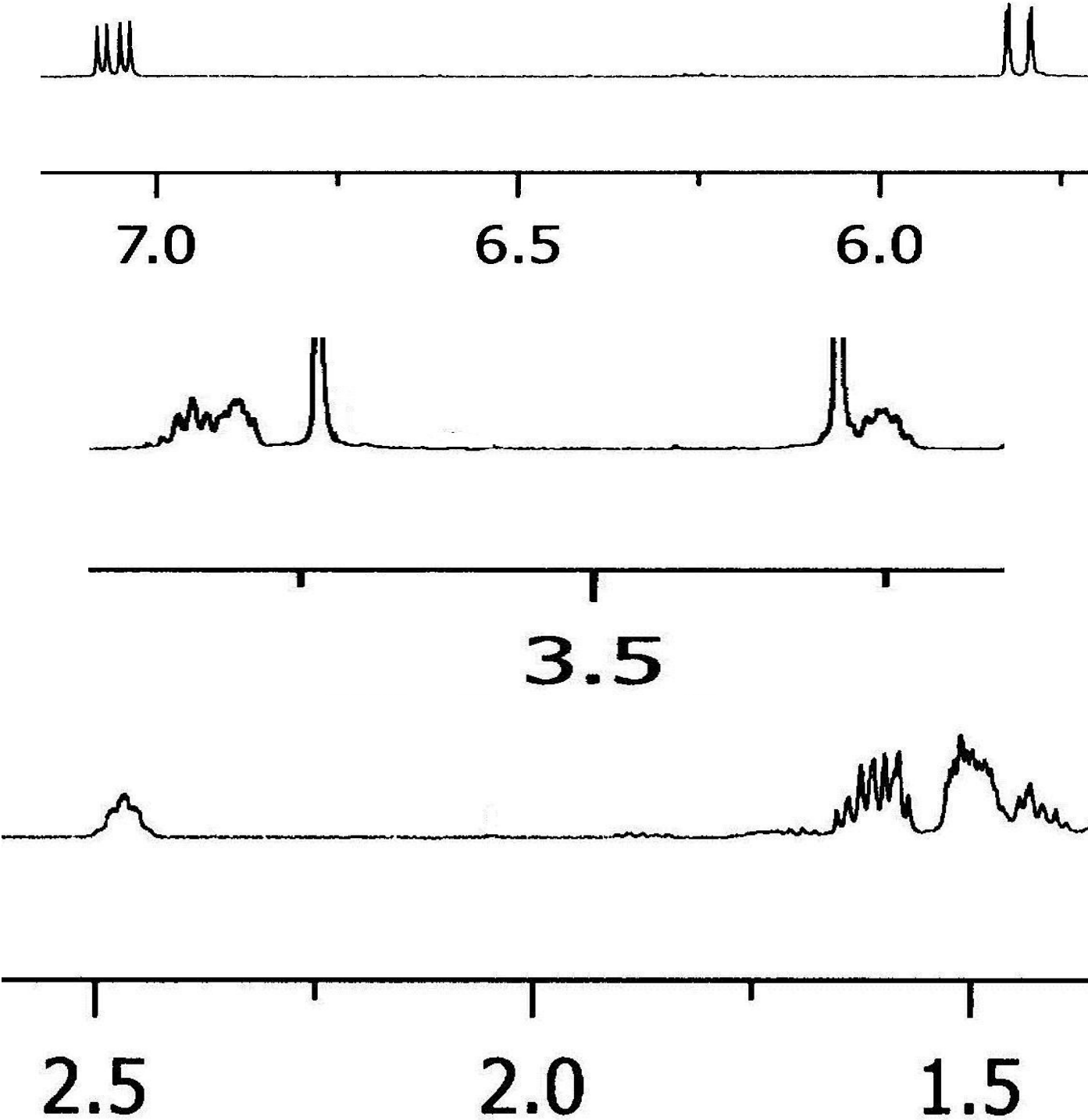




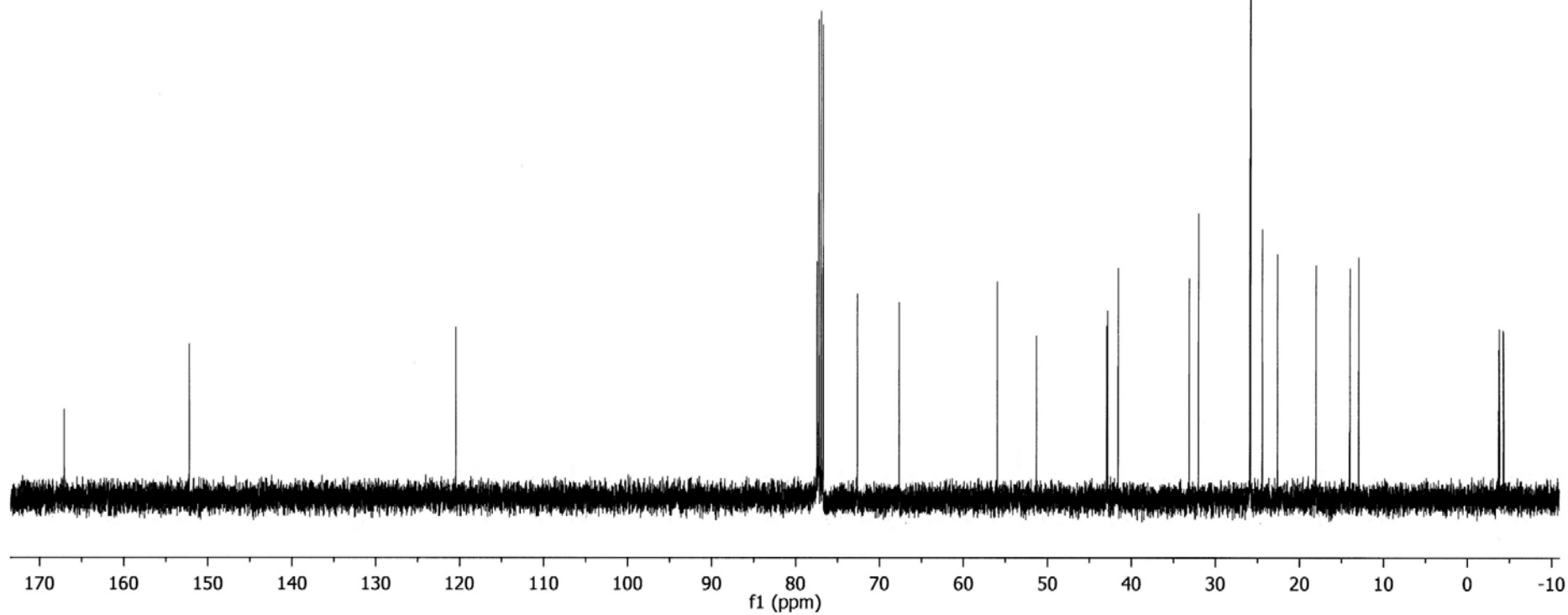
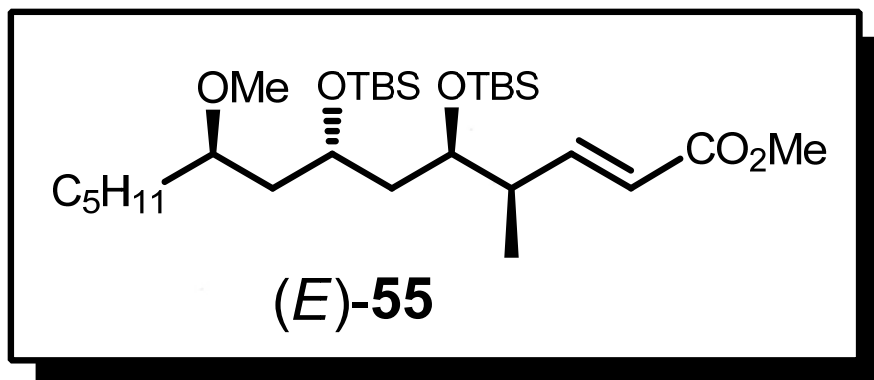


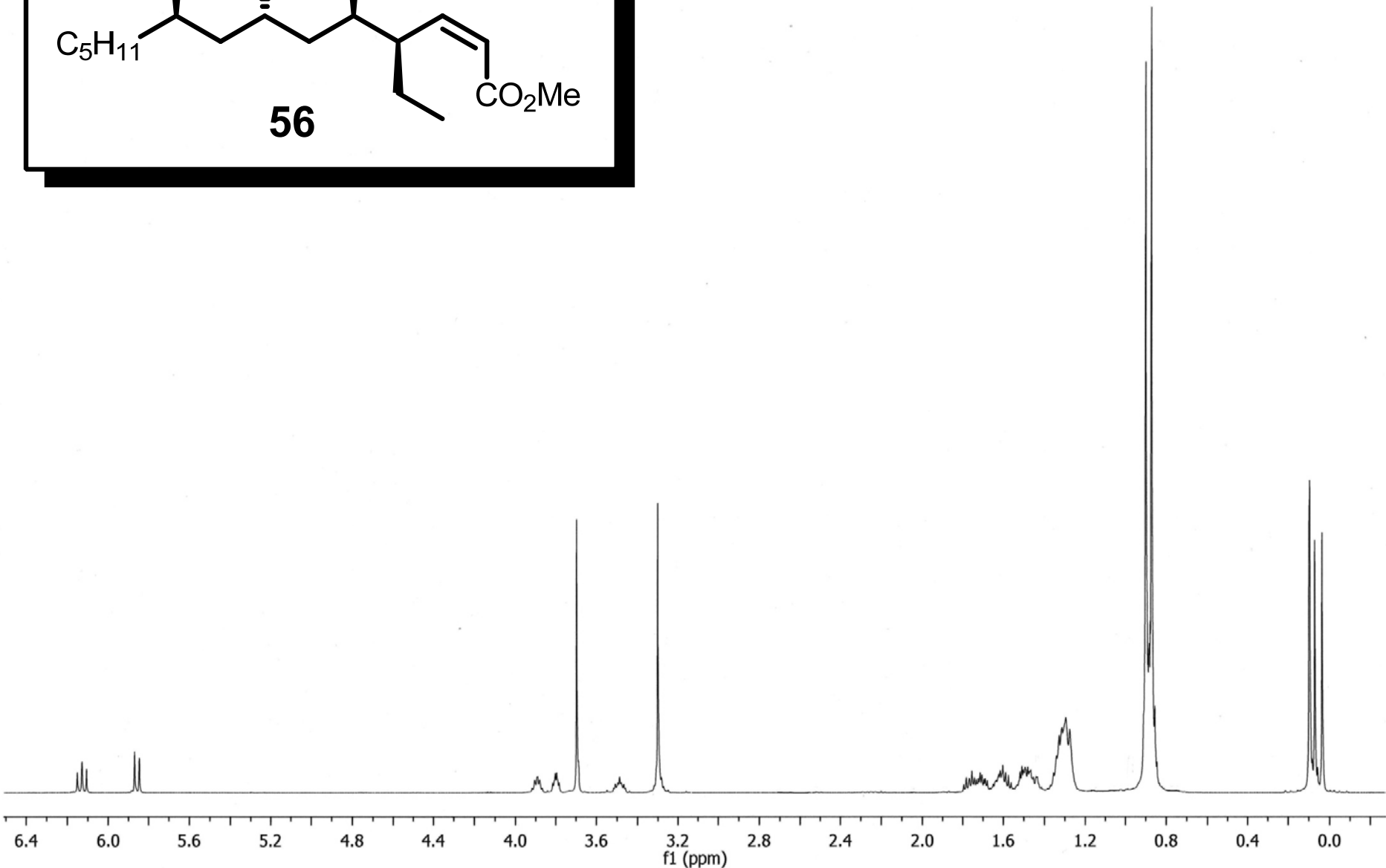
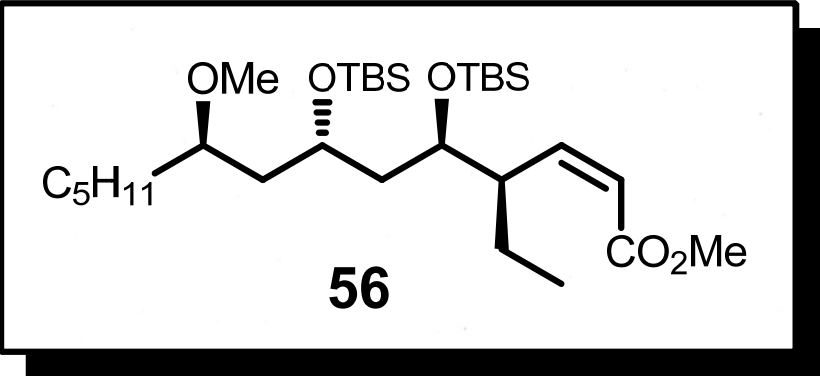






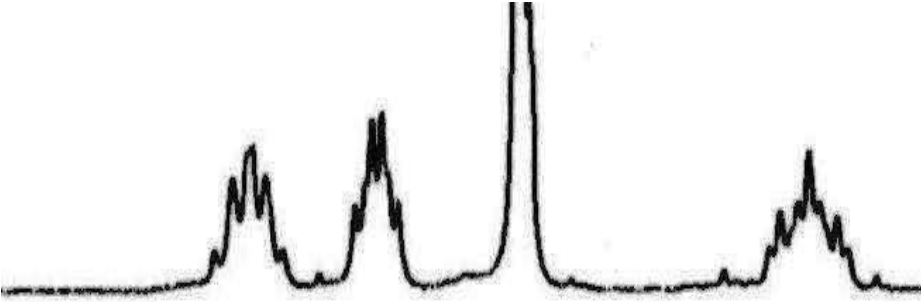








6.0



3.6



1.6

