

Manipulating Micellar Environments for Enhancing Transition Metal-Catalyzed Cross-Couplings in Water at Room Temperature

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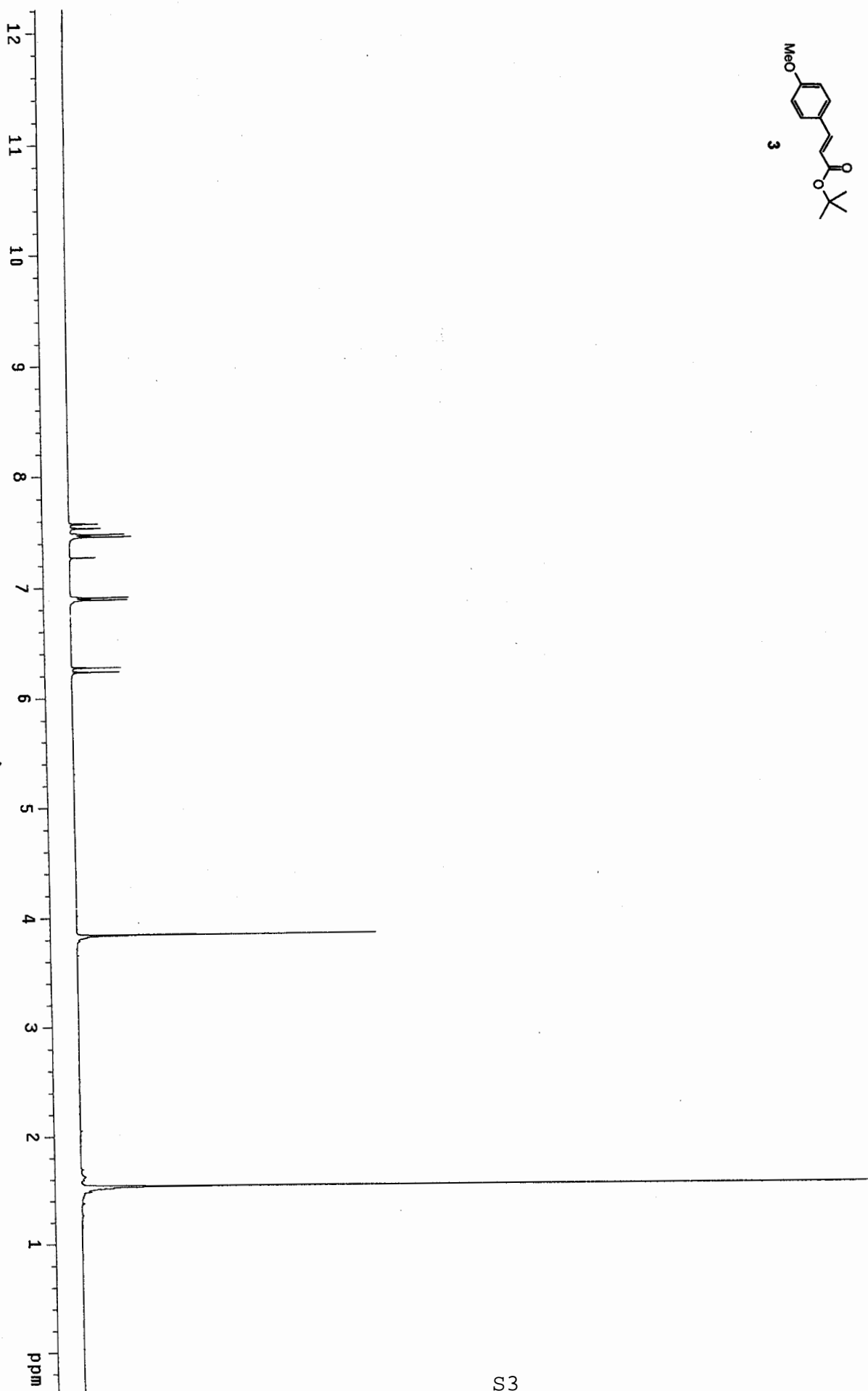
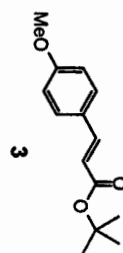
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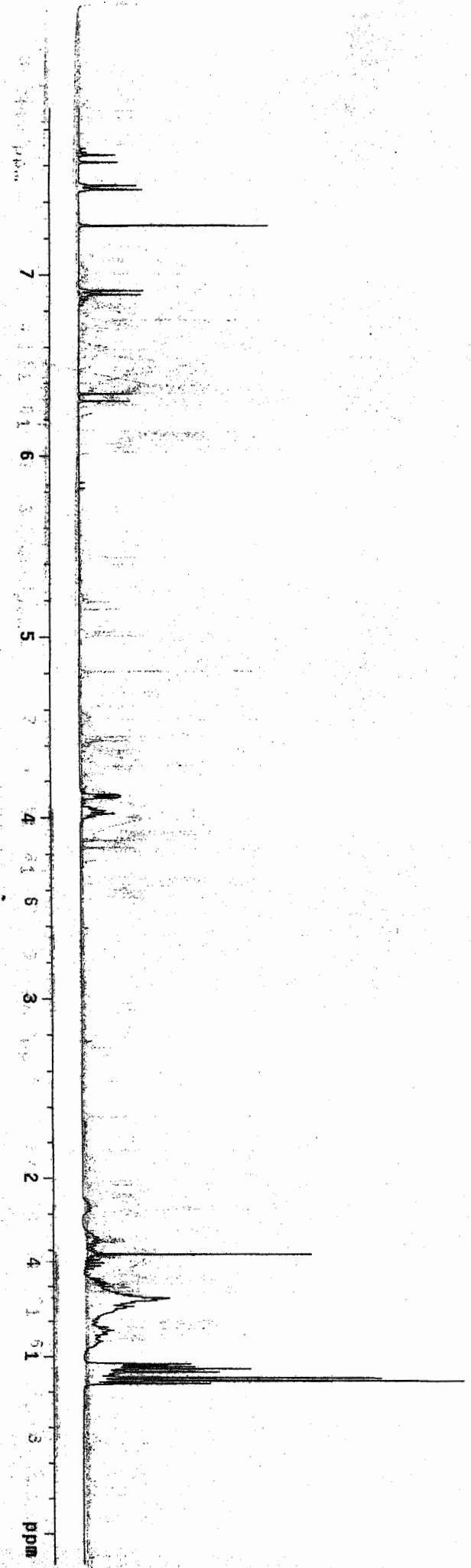
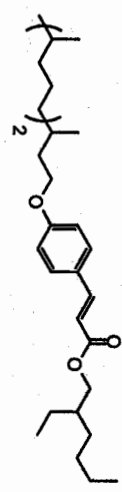
Supporting Information

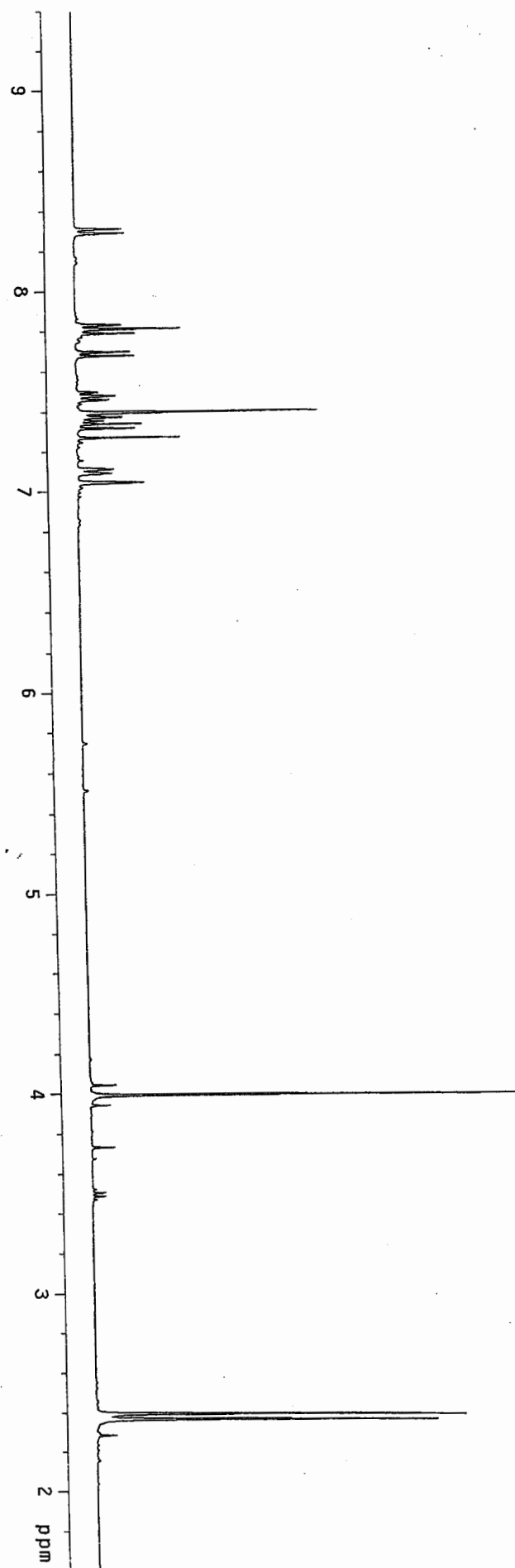
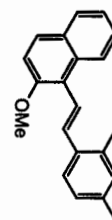
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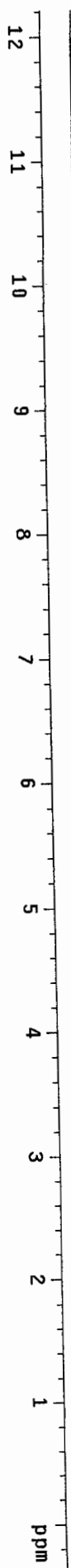
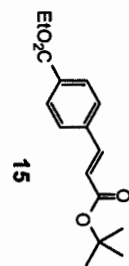
I.	General Information	S2
II.	Spectral data (^1H and ^{13}C) of all new and (^1H) of all known compounds	S3-S63

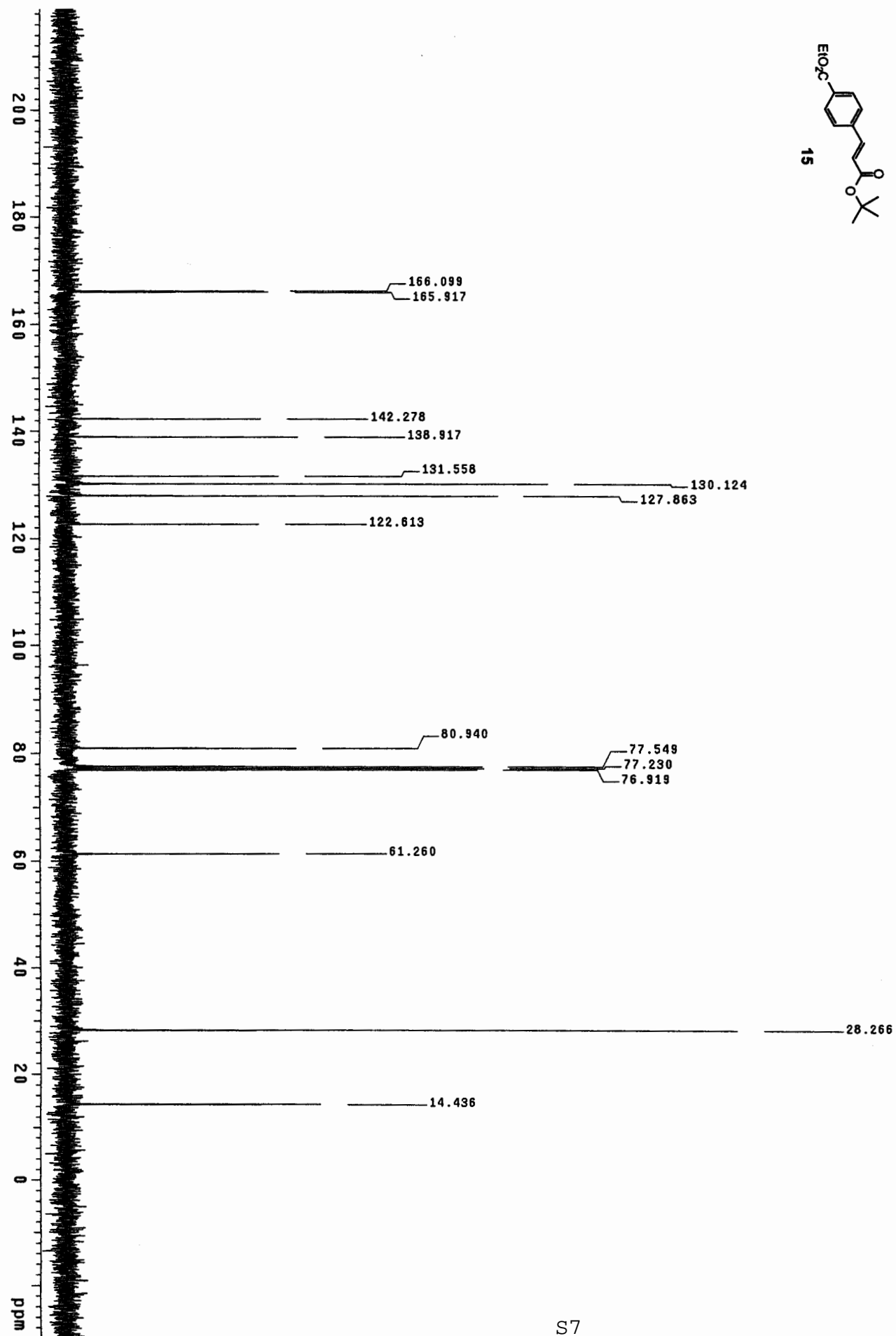
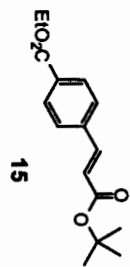
General Informationss: All Reactions were performed either in a round bottom flask or 2-5 mL microwave reactor vials under an argon atmosphere containing a Teflon coated stir bar and septum. A stock solution of 2.5 and 5.0% (w/w) PTS in ultrapure degassed H₂O were made and stored in a sealed serum bottle on the bench-top. Column chromatography was performed using 60 Å flash silica gel. Thin-Layer-Chromatography analysis was conducted using commercially available silica gel 60 F₂₅₄ plates. Nuclear Magnetic Resonance spectra were obtained in CDCl₃, with proton and carbon resonances at 400 and 100 MHz, respectively, and are referenced to the residual solvent signal at 7.27 ppm for ¹H and δ 77.23 ppm for ¹³C. Data for ¹H are reported as follows: chemical shift (δ ppm), multiplicity (s = singlet, d = doublet, t = triplet, q = quartet, m = multiplet, sep = septet), coupling constant and integration. Data for ¹³C NMR are reported in terms of chemical shift. Infrared spectra were obtained either neat or by thin-film on NaCl plates and are reported as cm⁻¹. All commercially available reagents were used without further purification. Grubbs second generation catalysts were stored in a glove box under an Ar atmosphere.

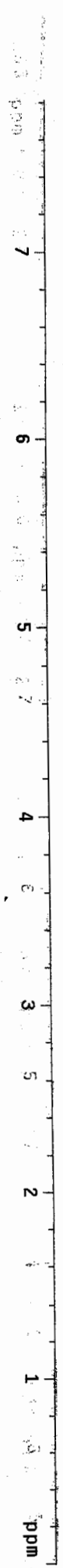
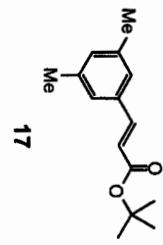


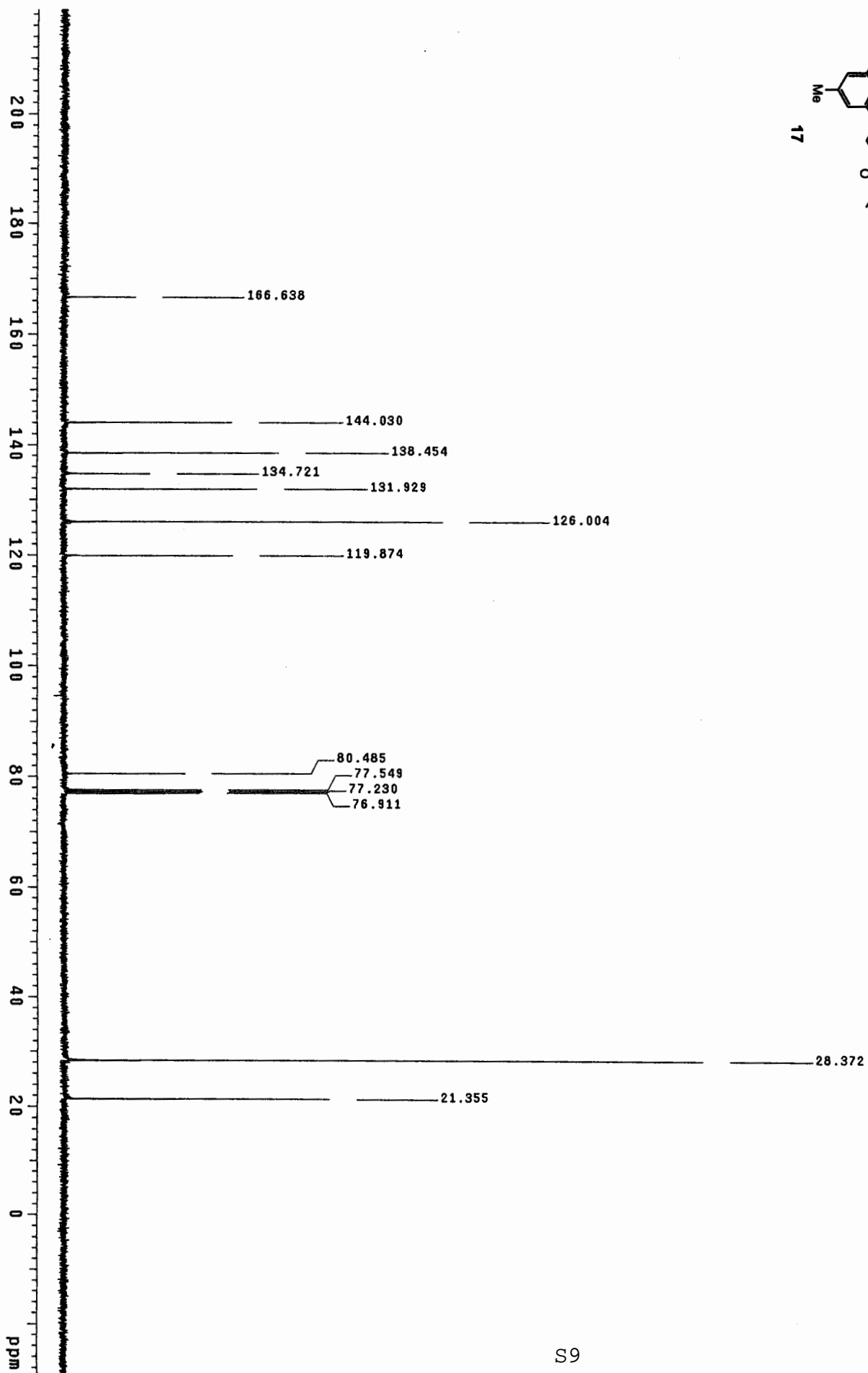
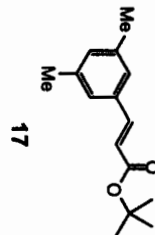


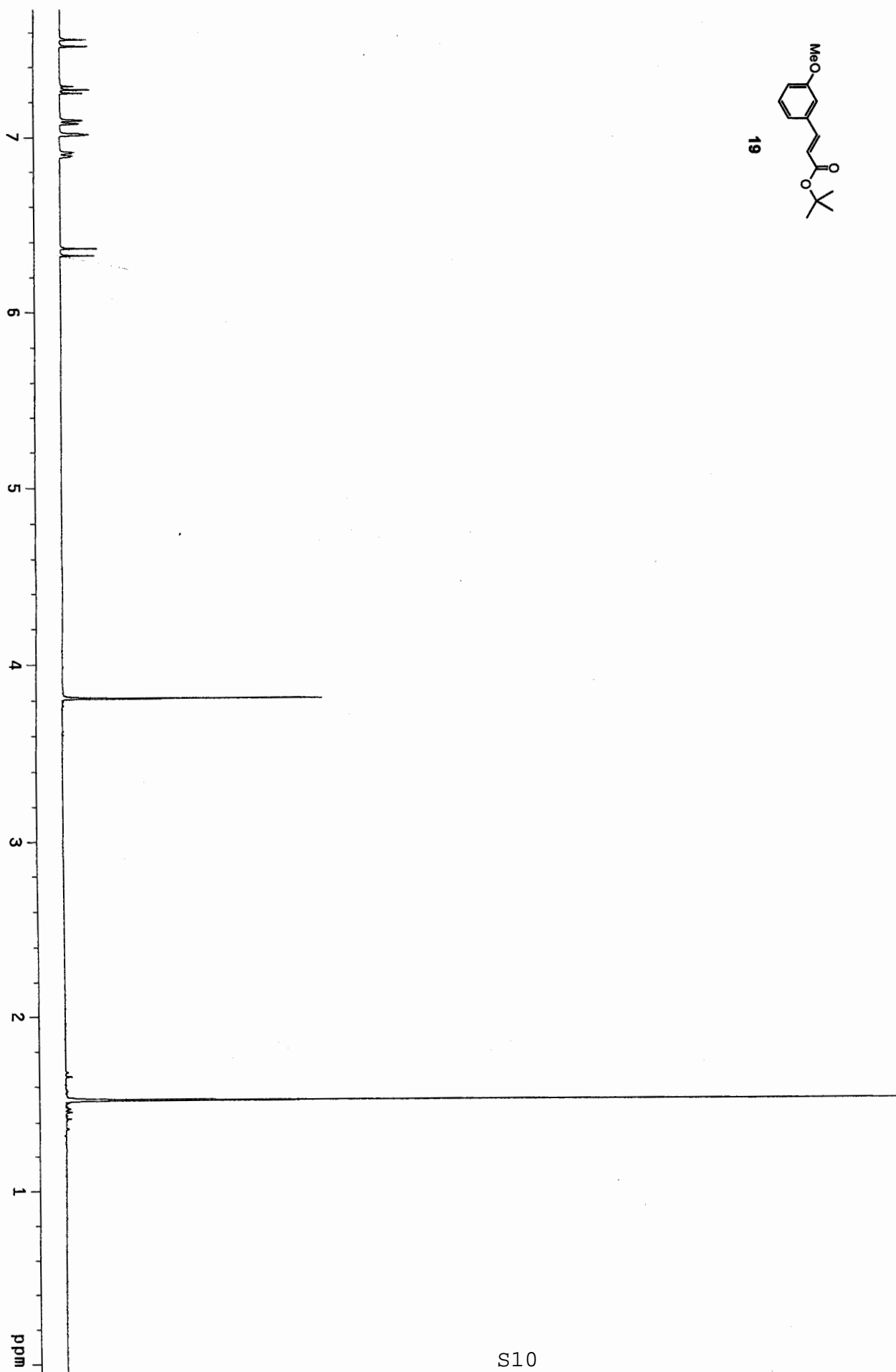
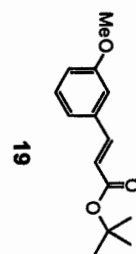


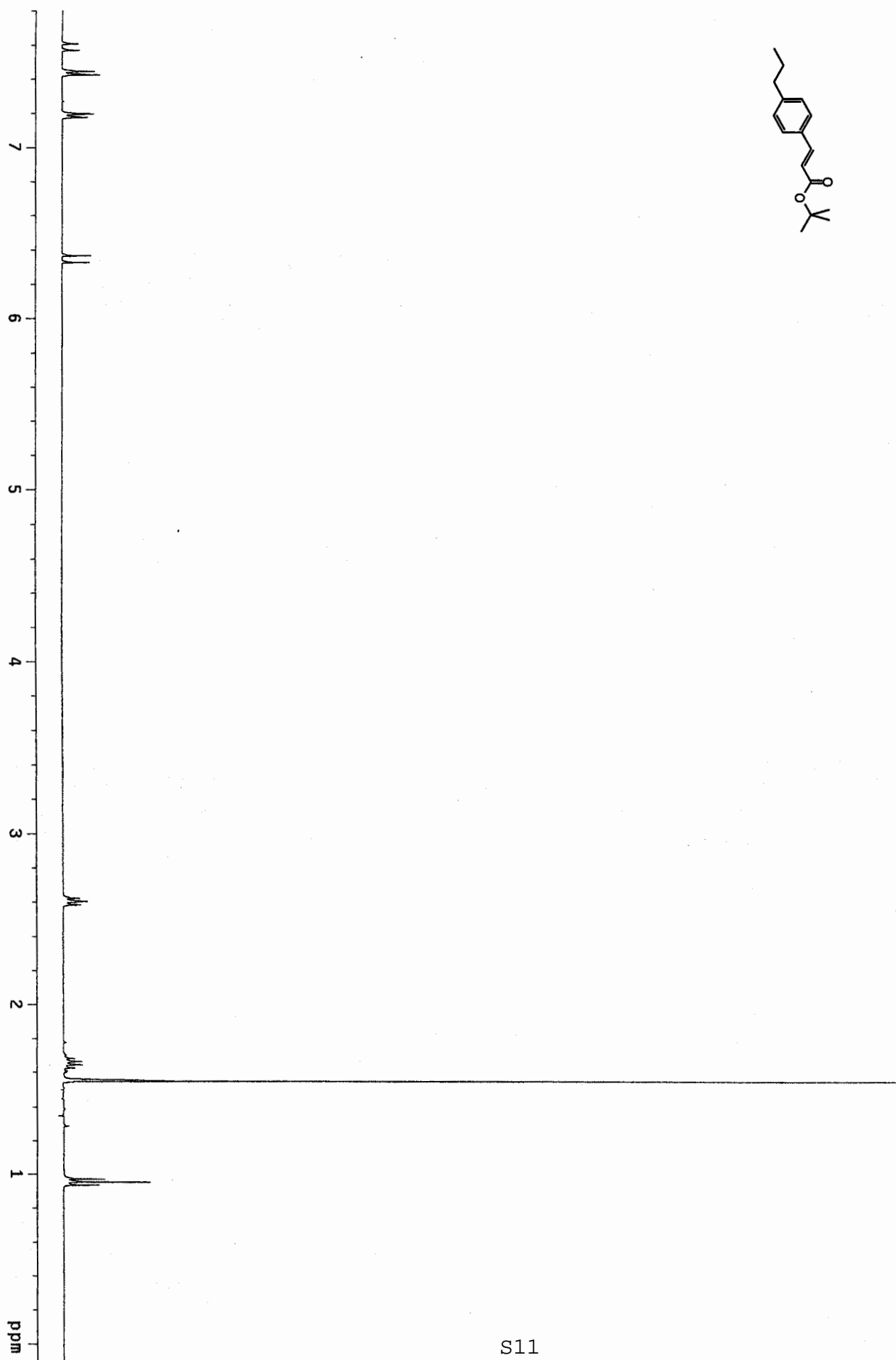
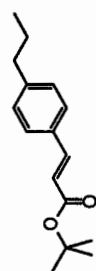


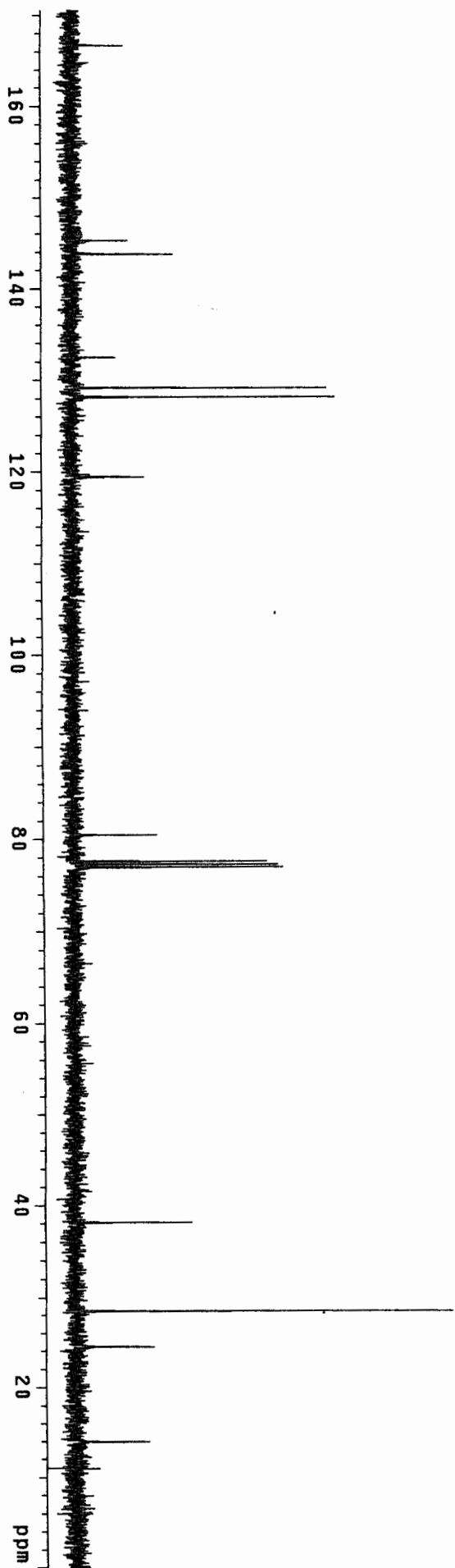
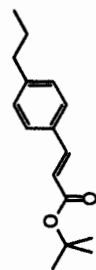


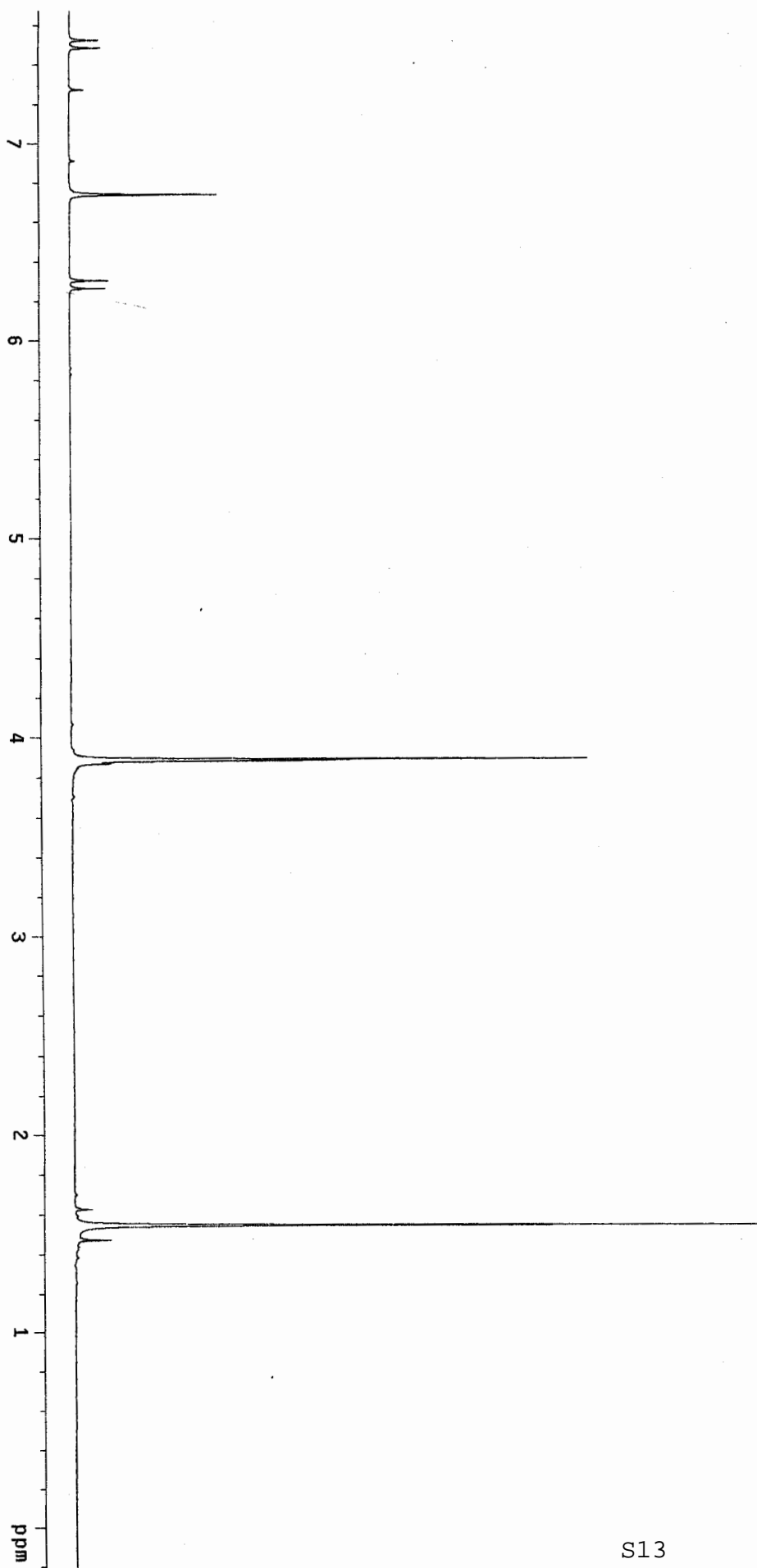
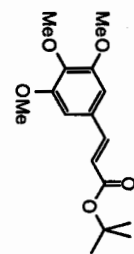


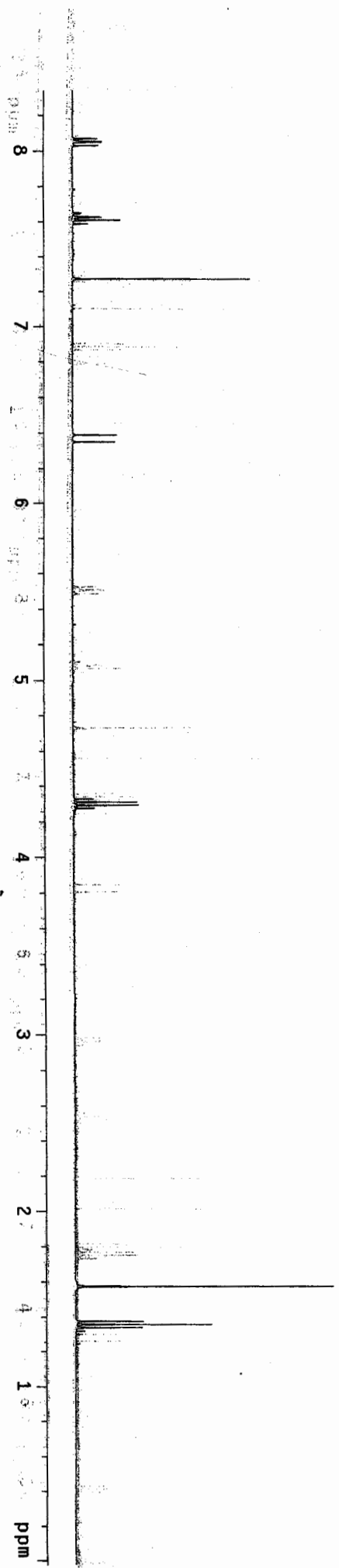
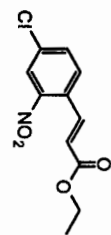


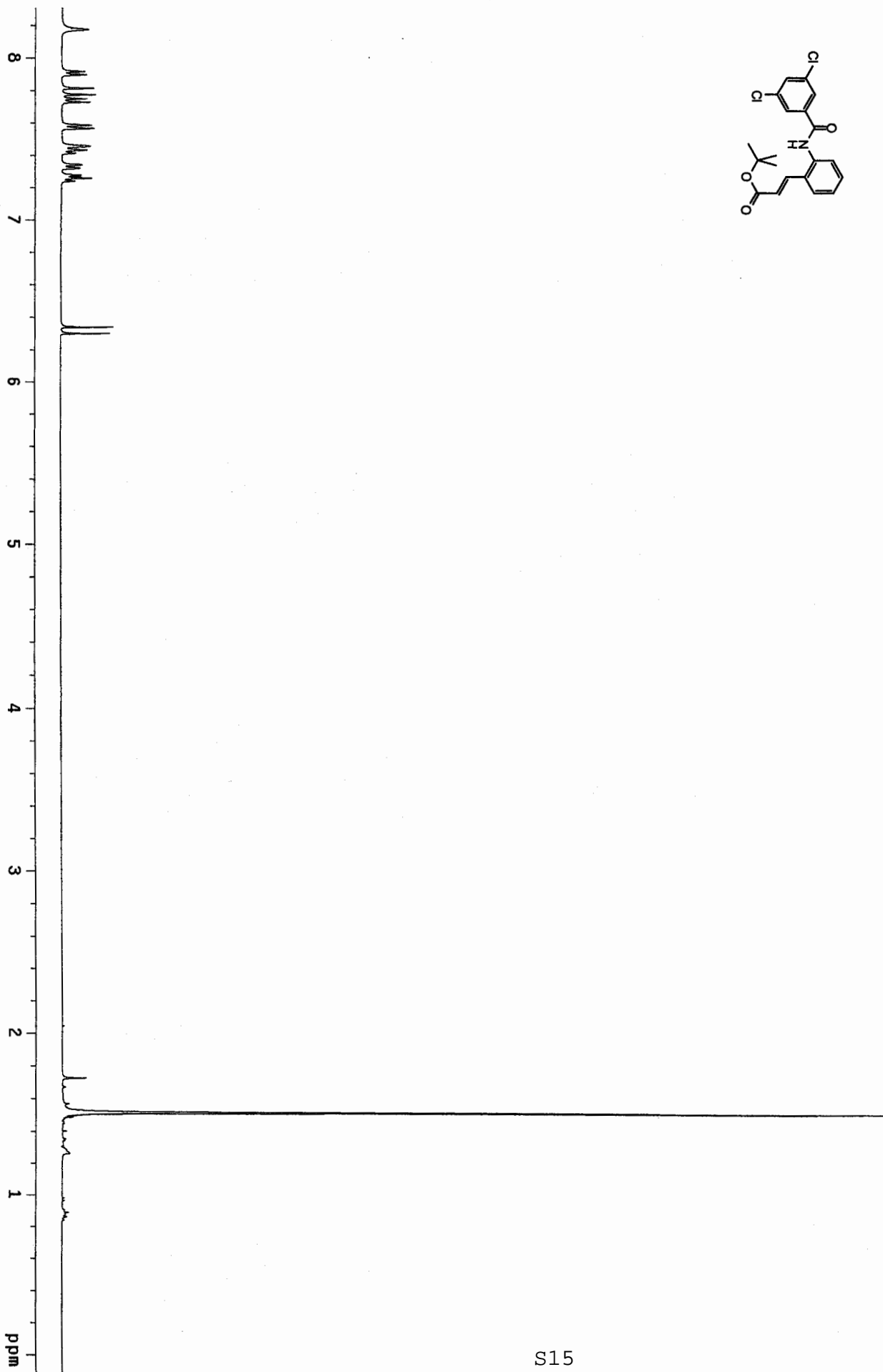
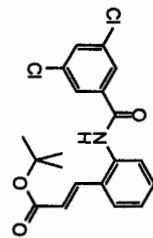


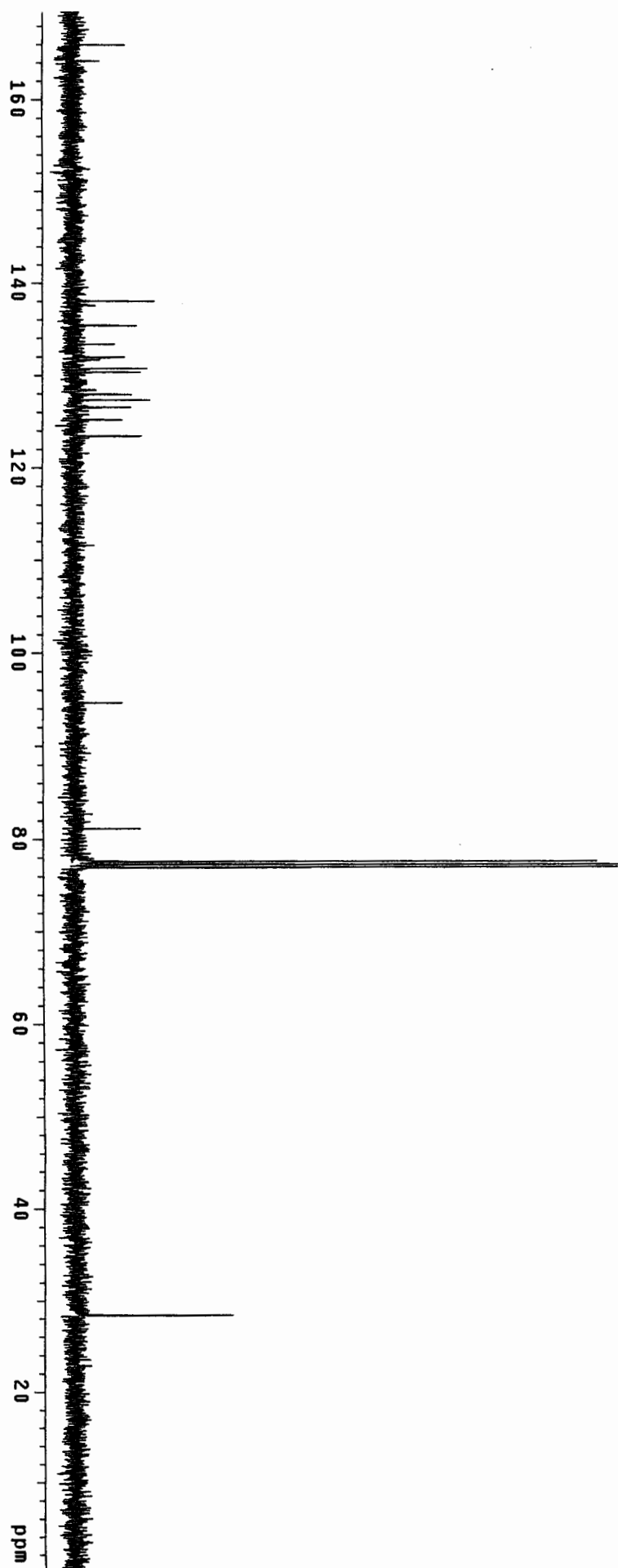
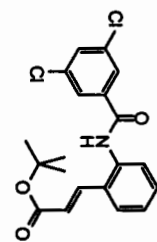


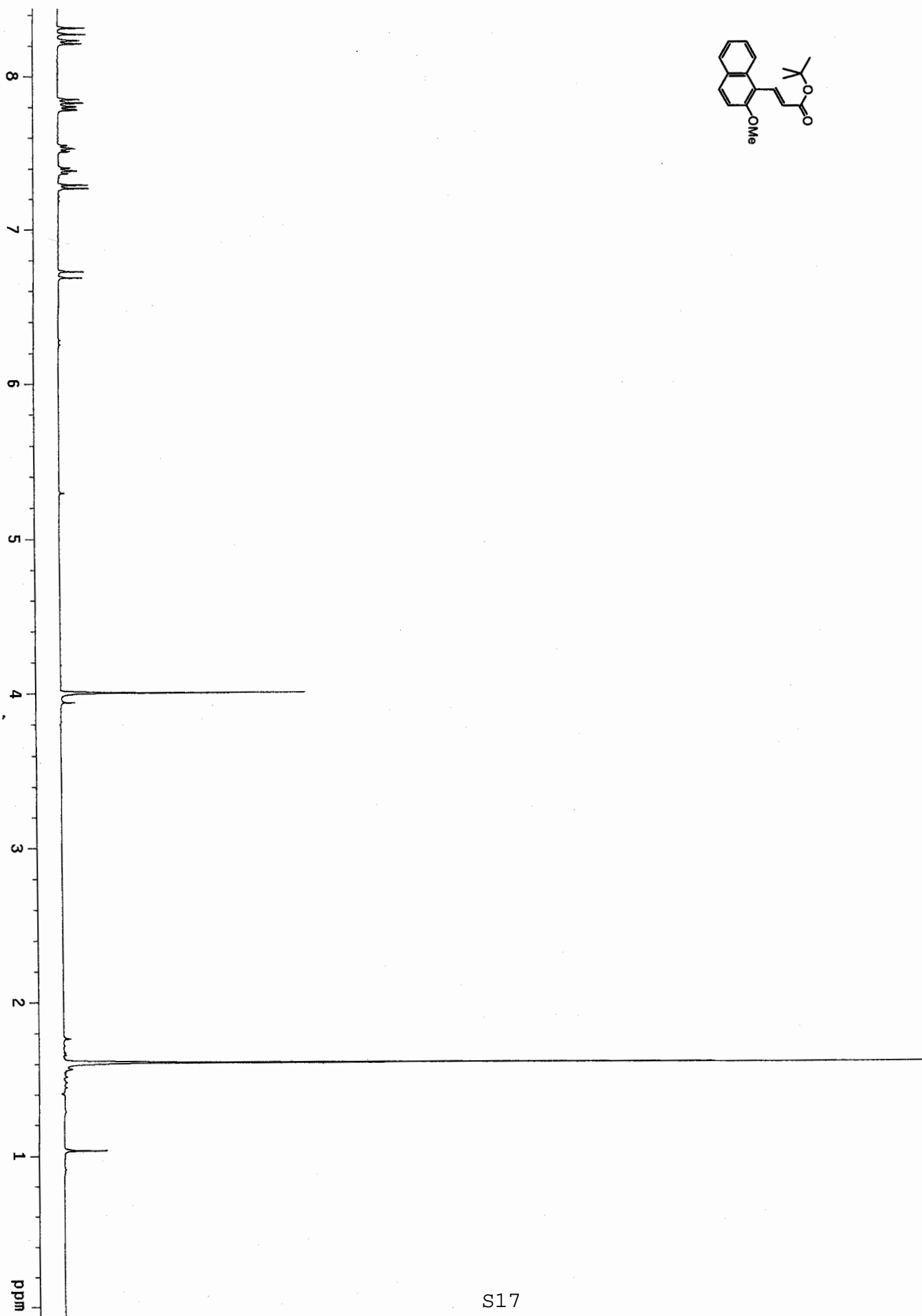
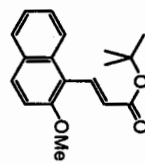


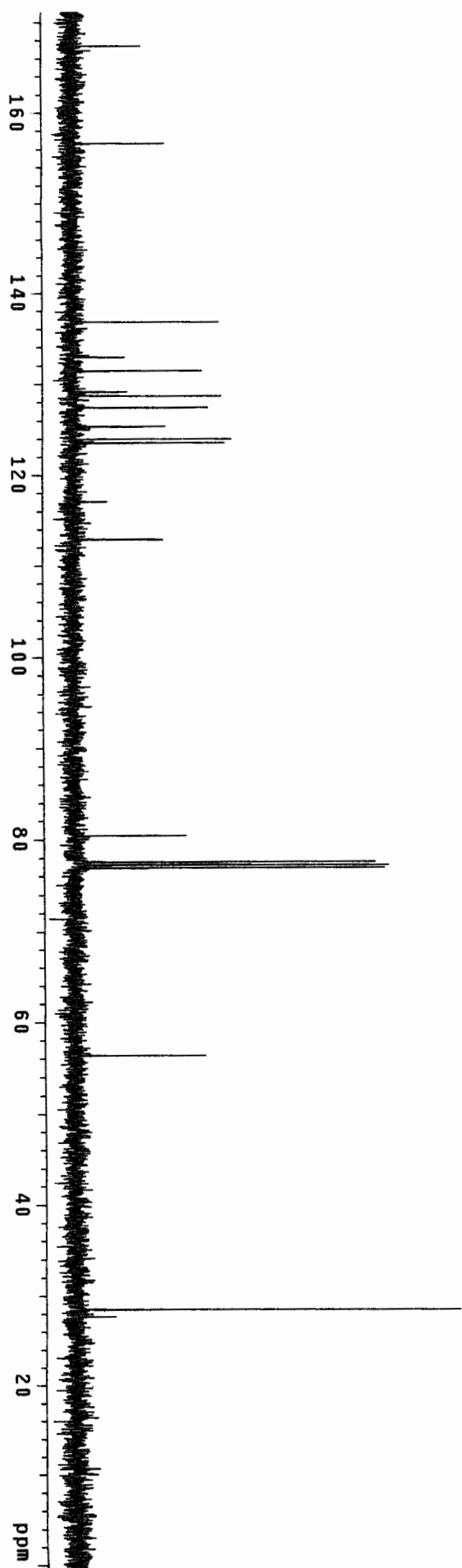
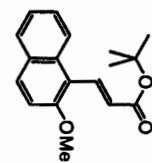












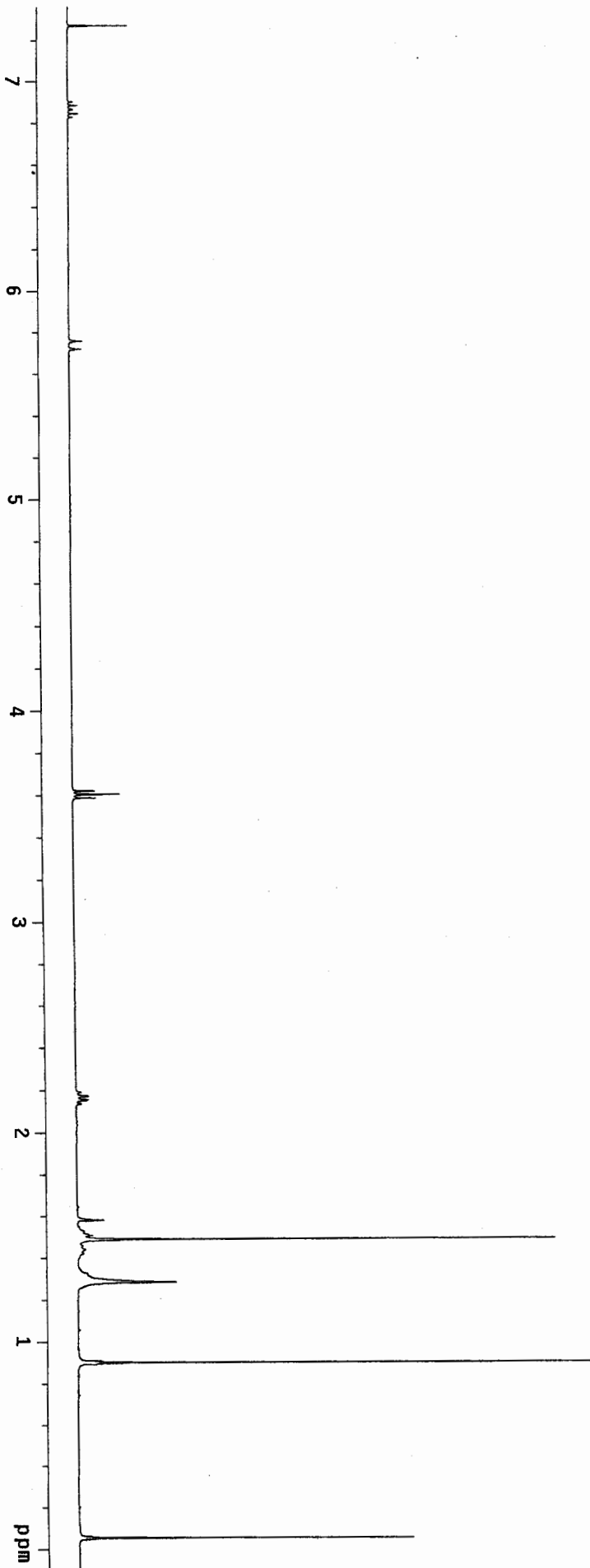


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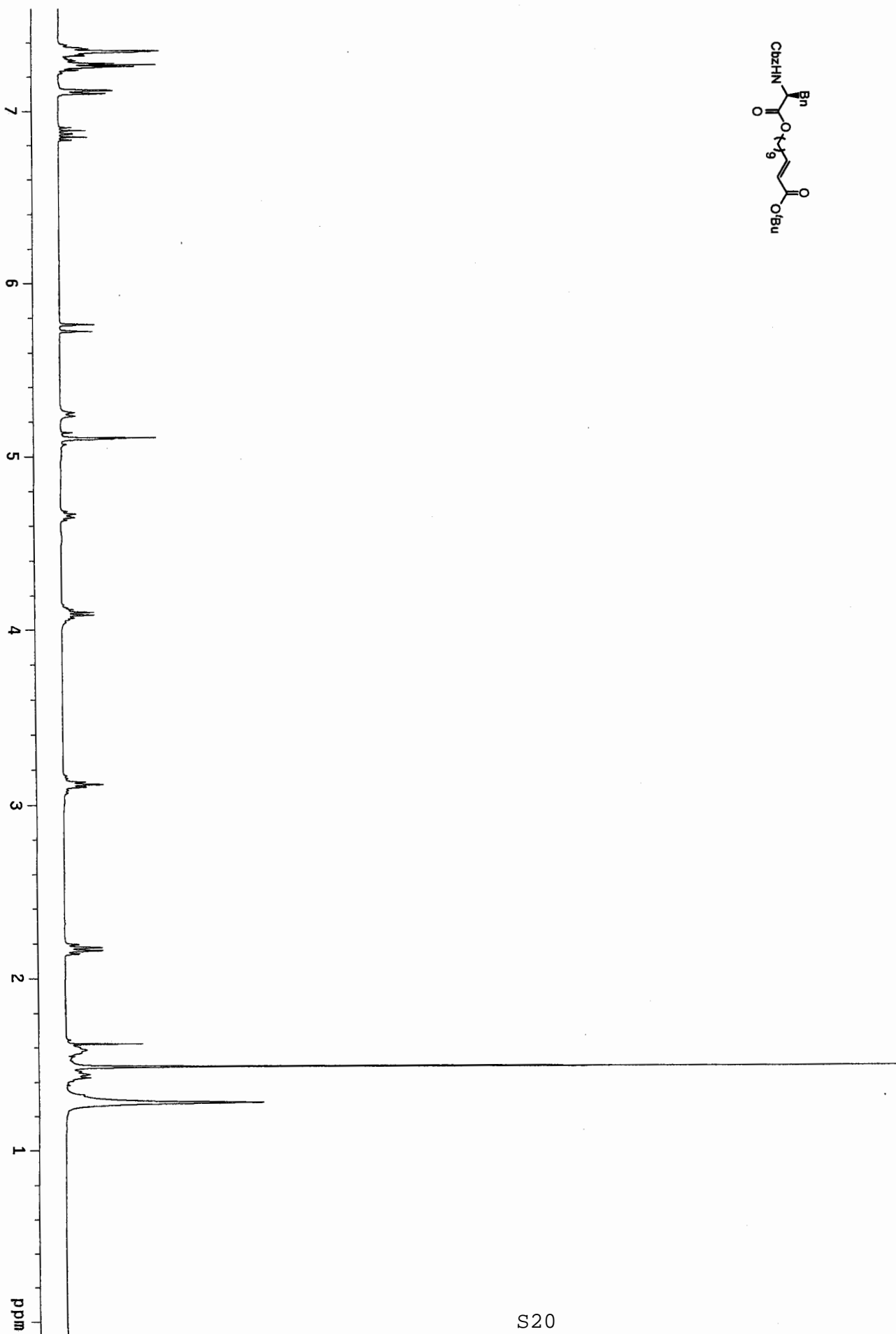
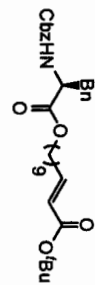
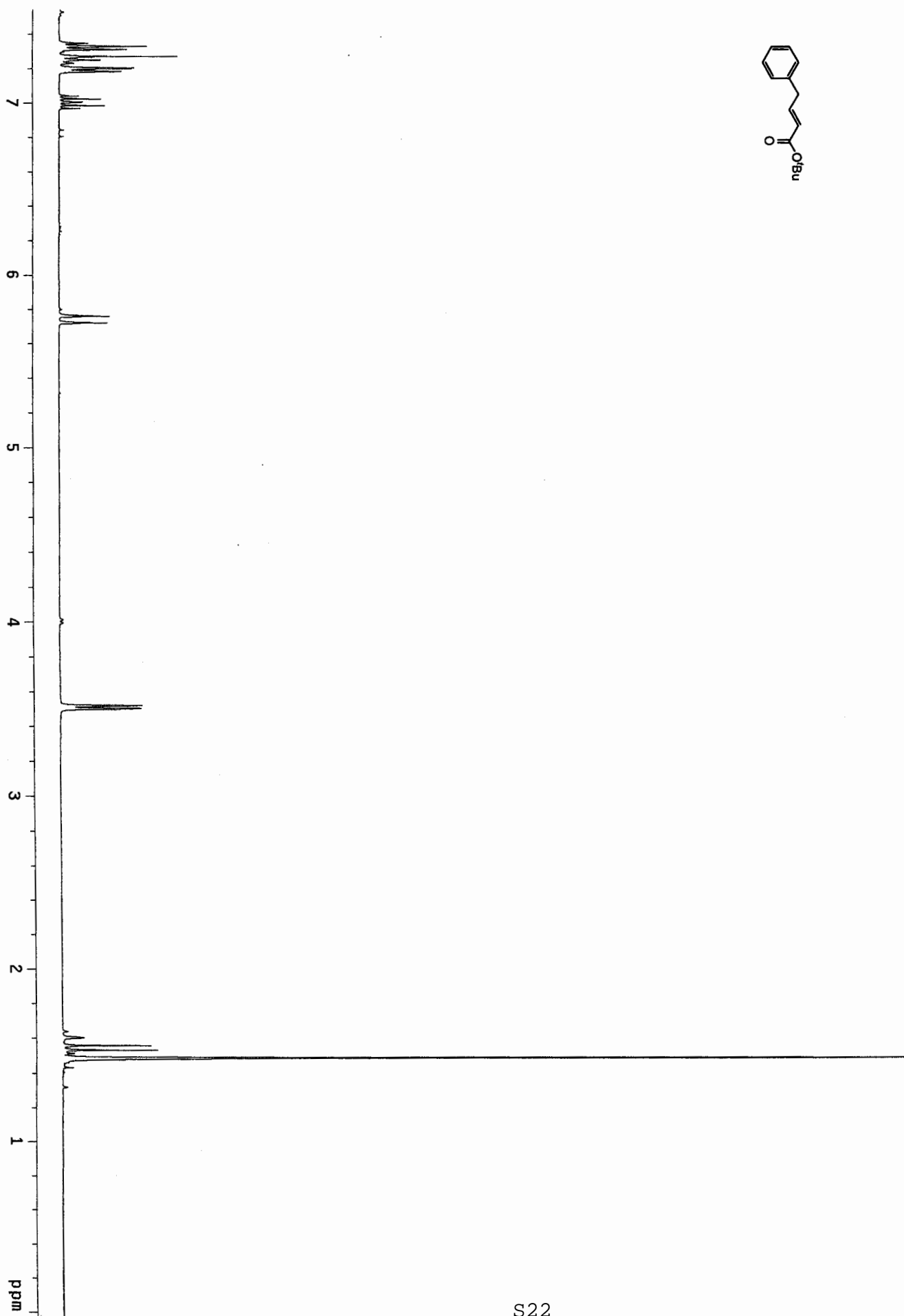


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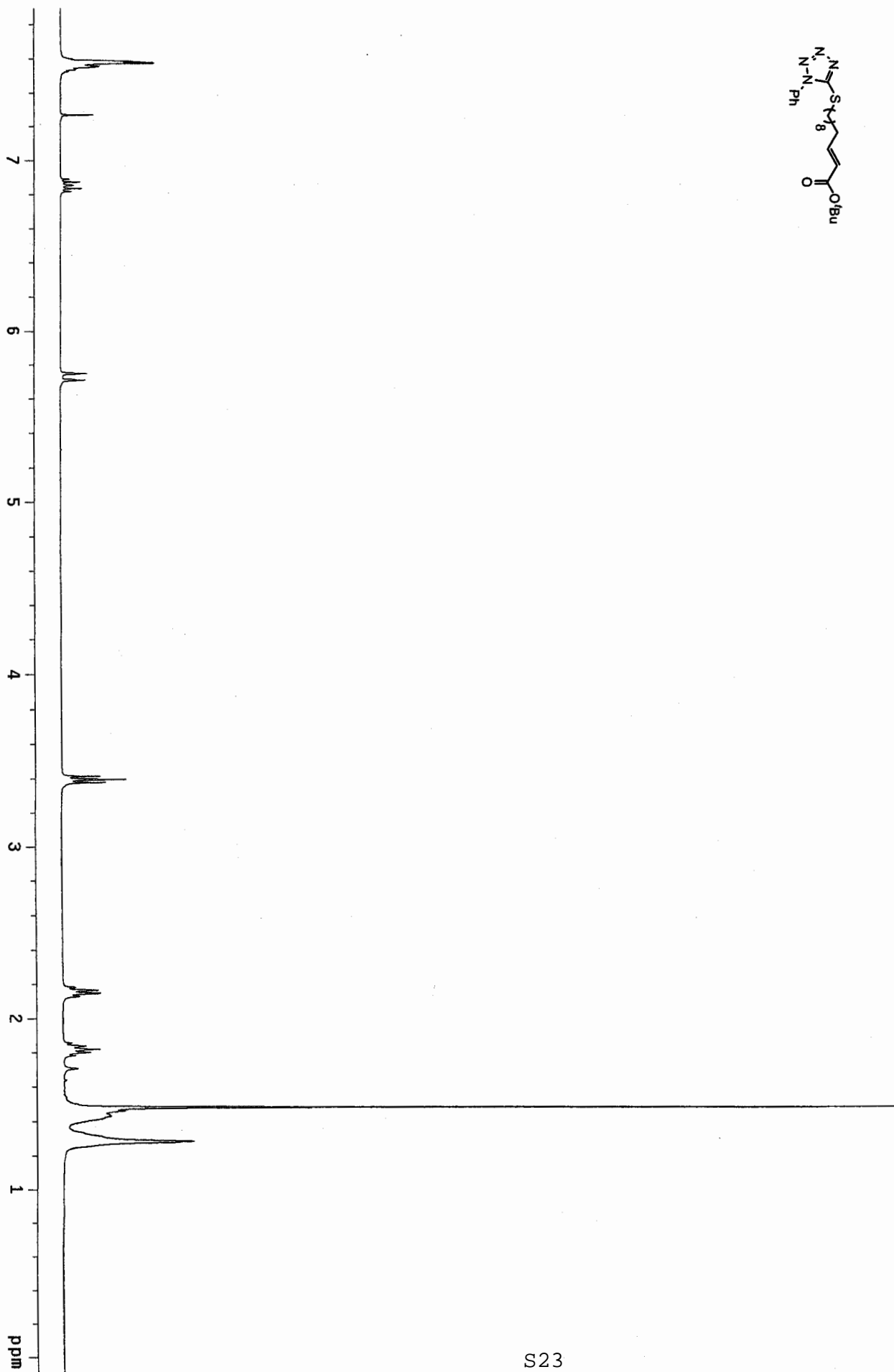
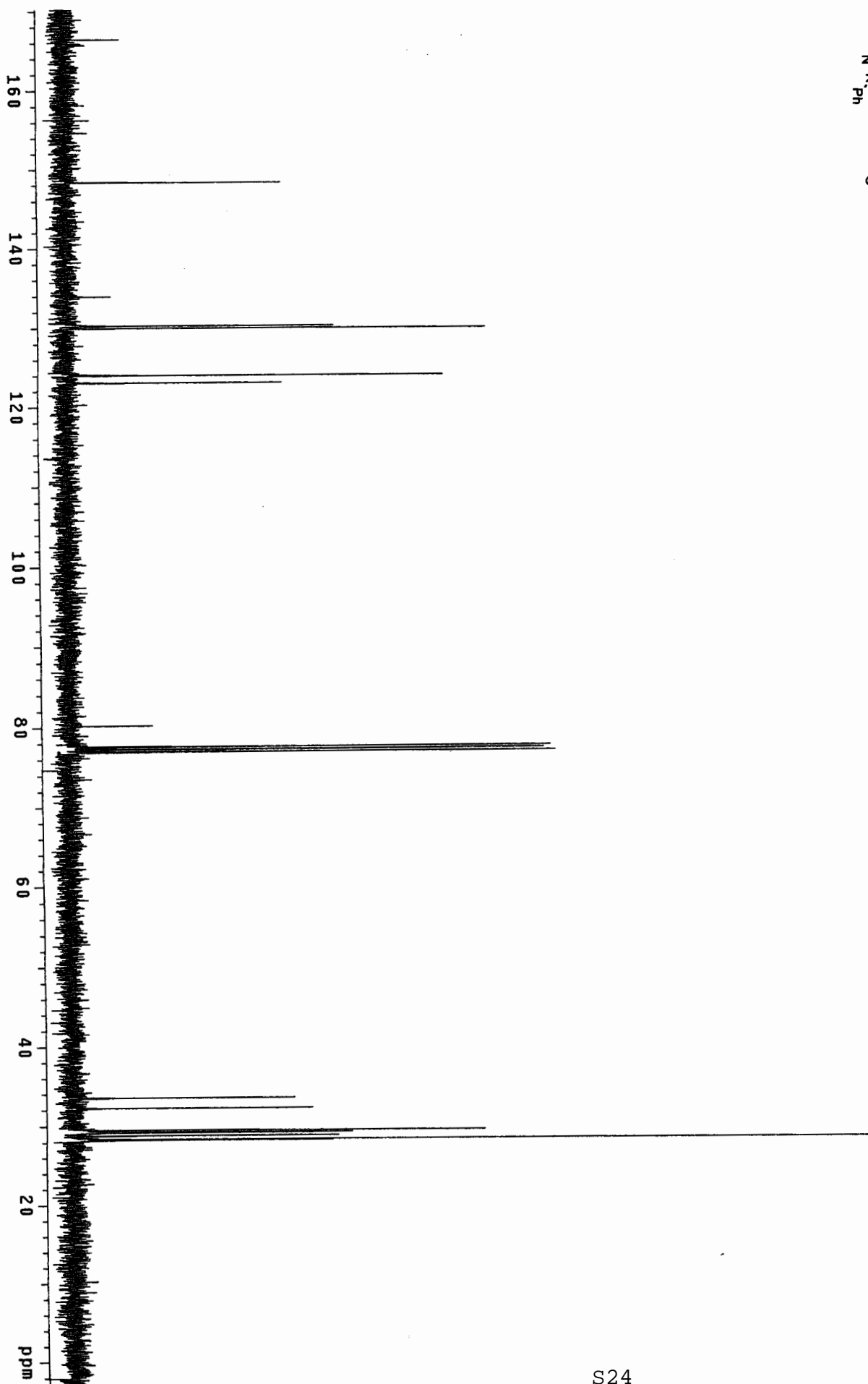


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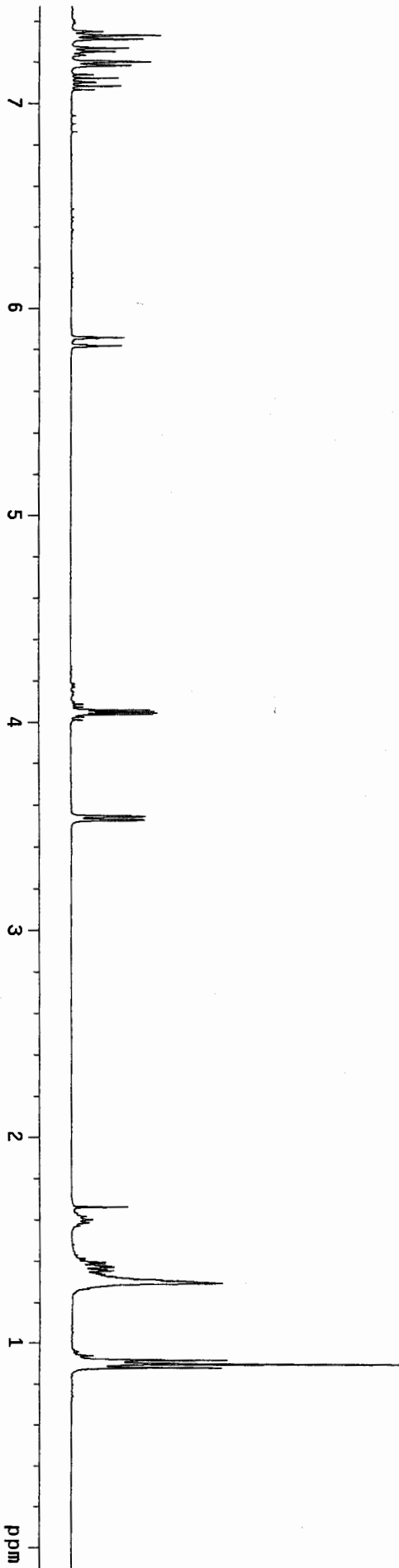
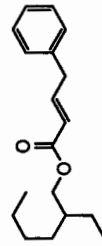
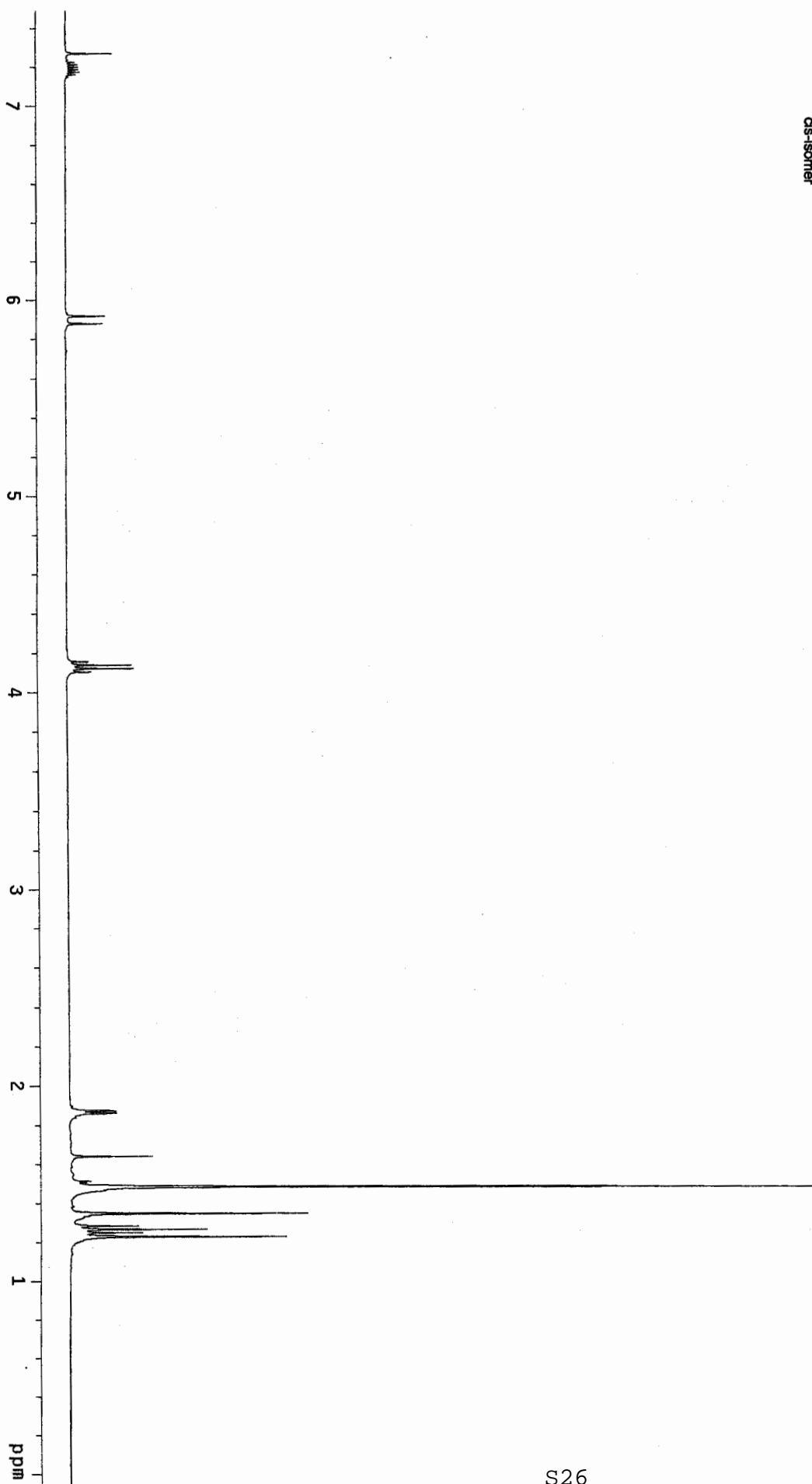
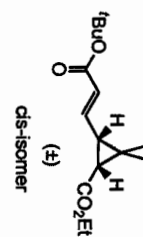
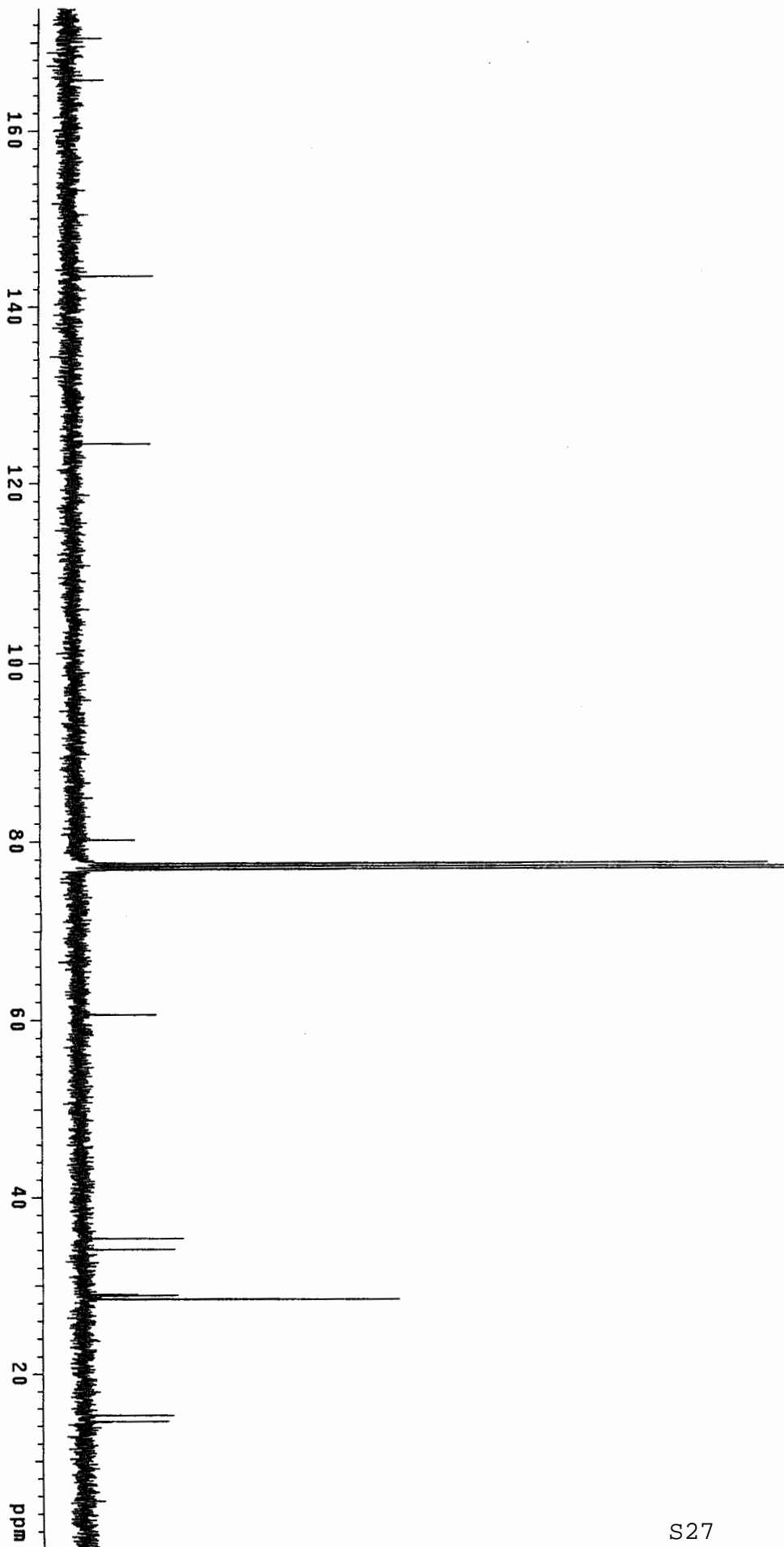
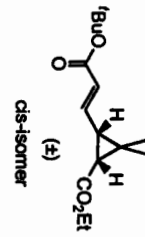
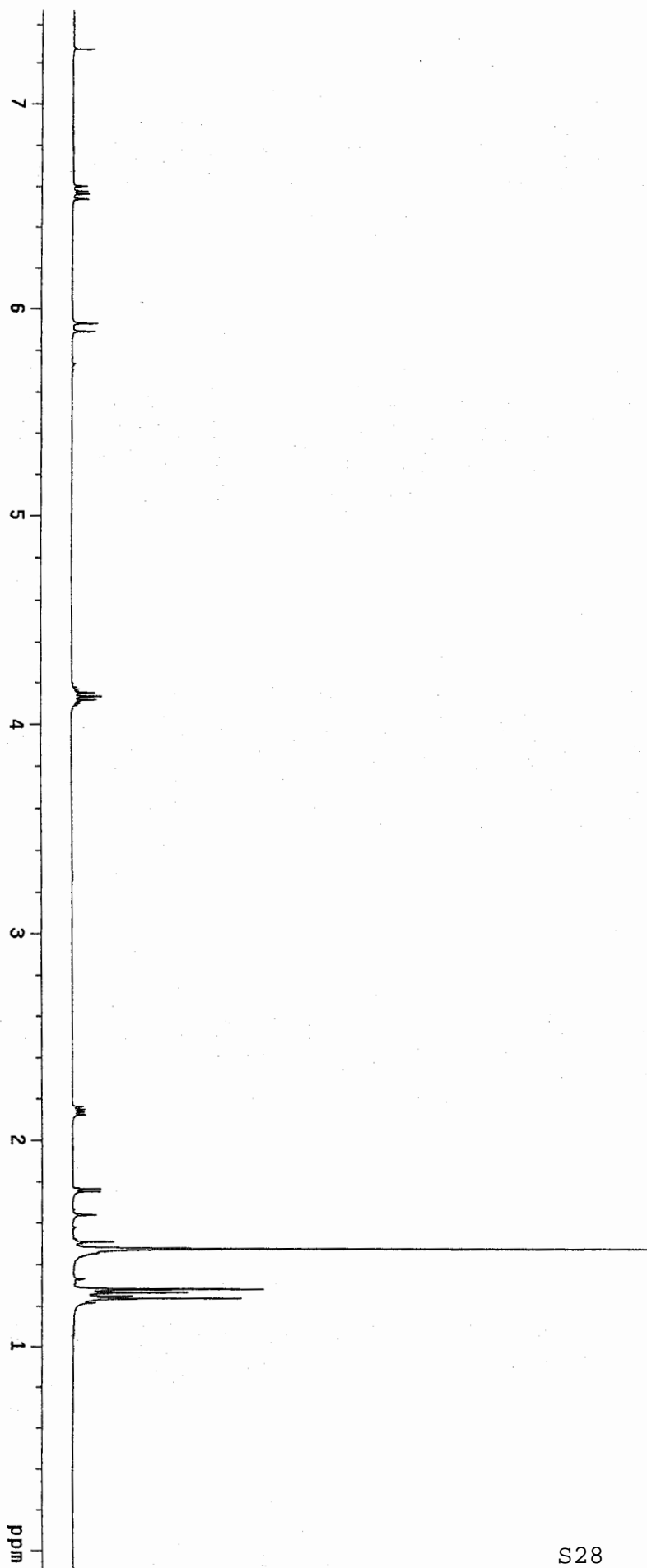
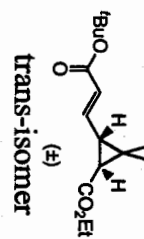
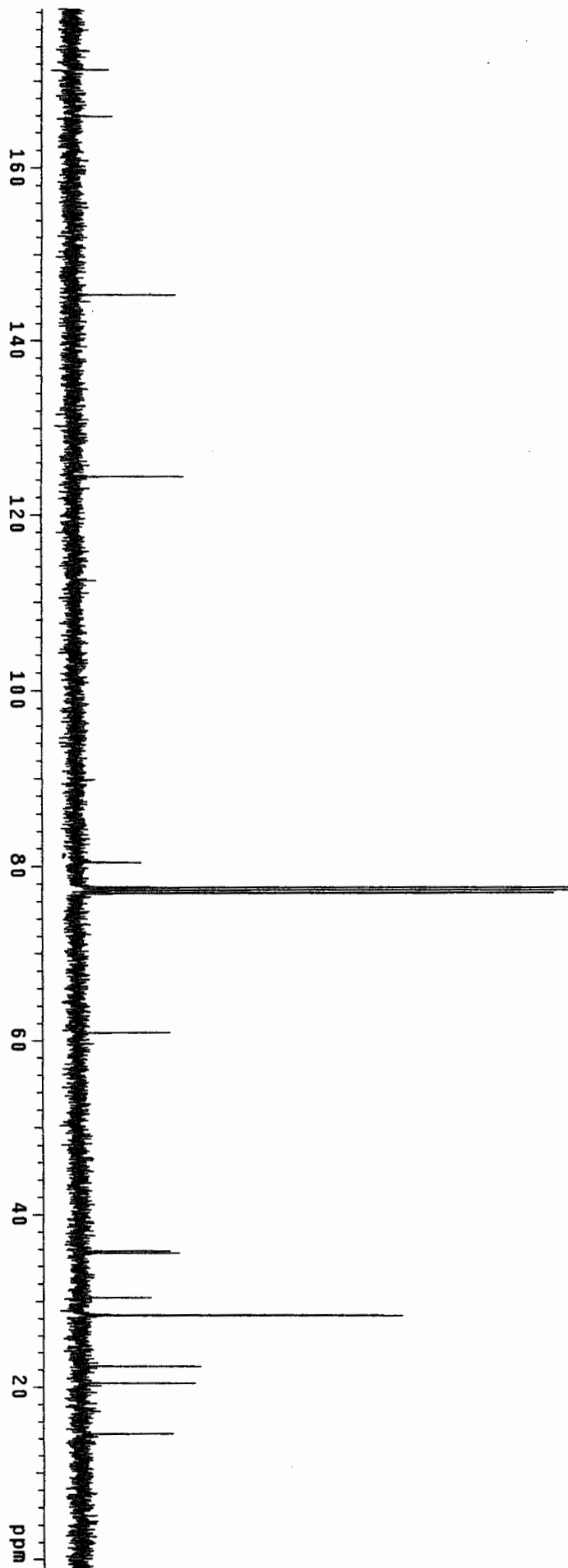
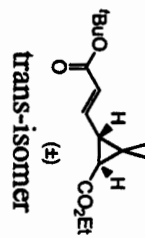


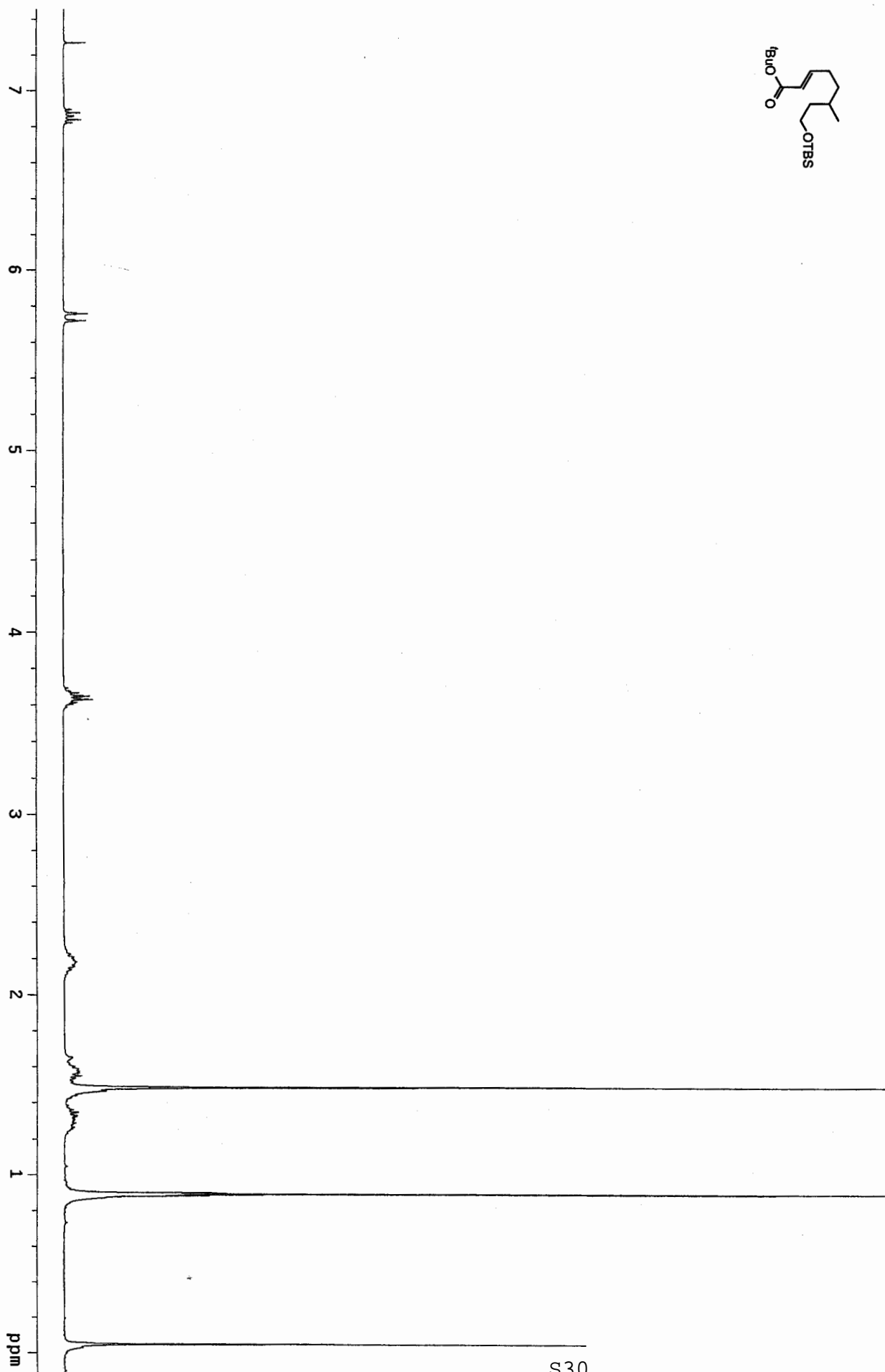
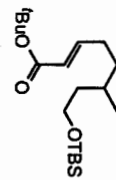
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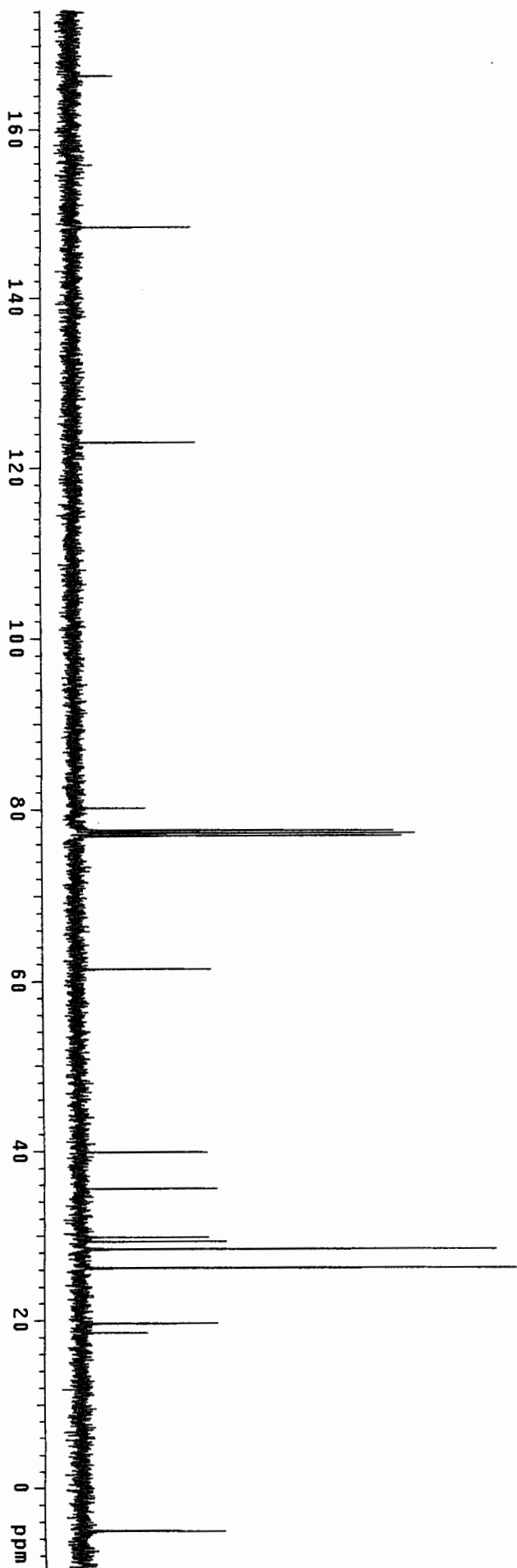
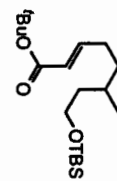
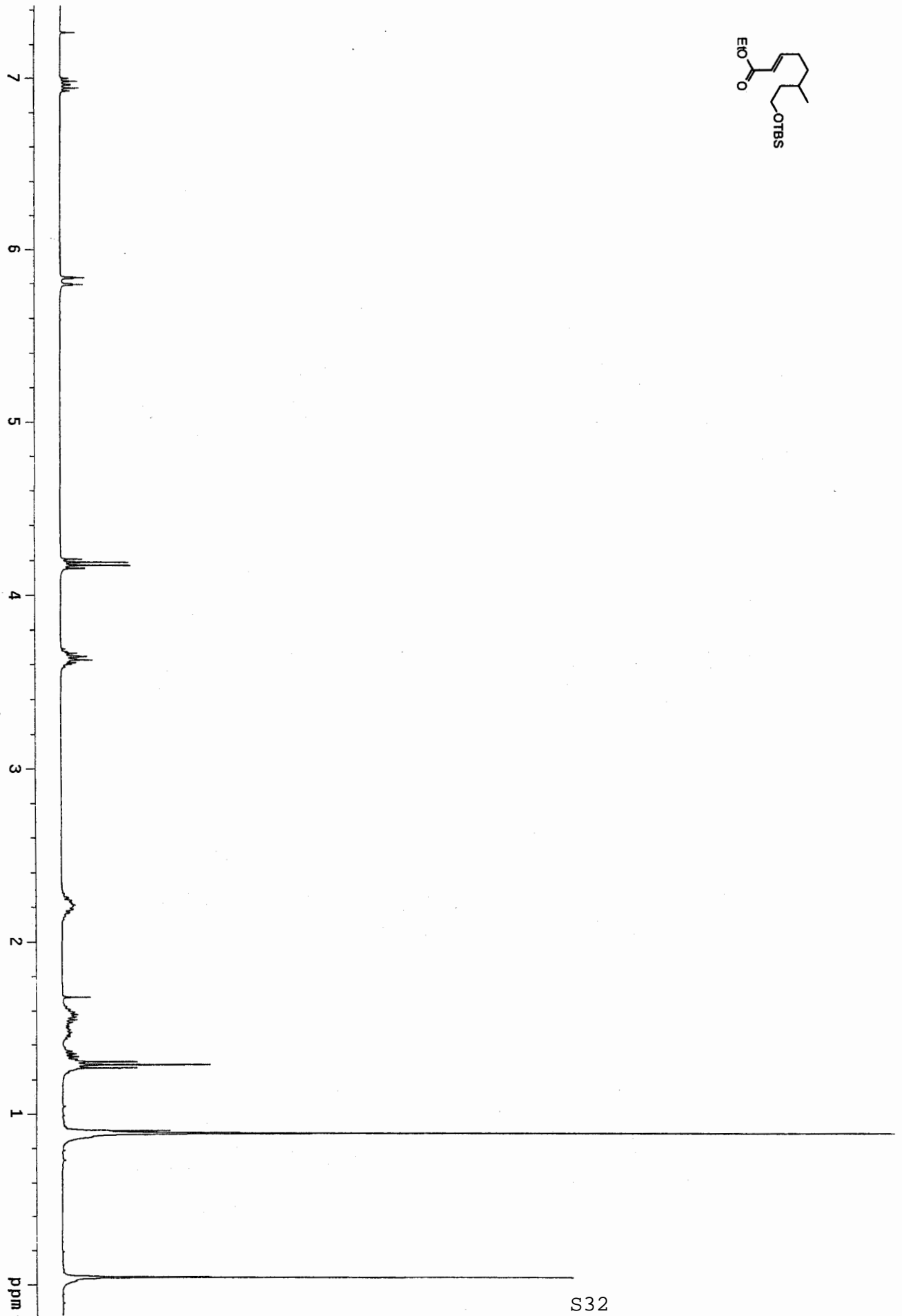
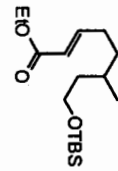
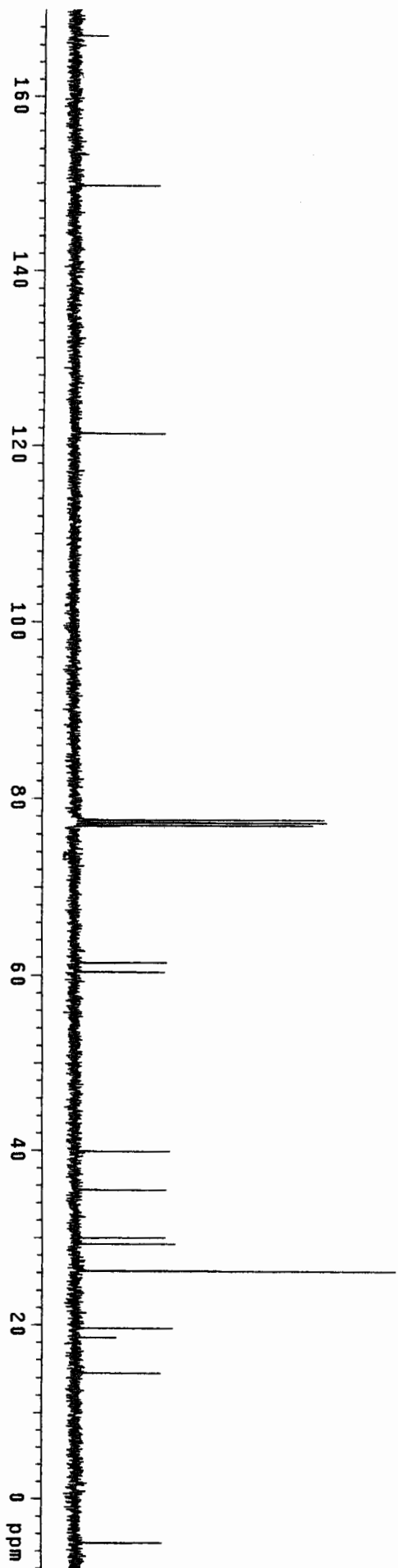
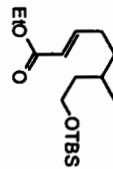


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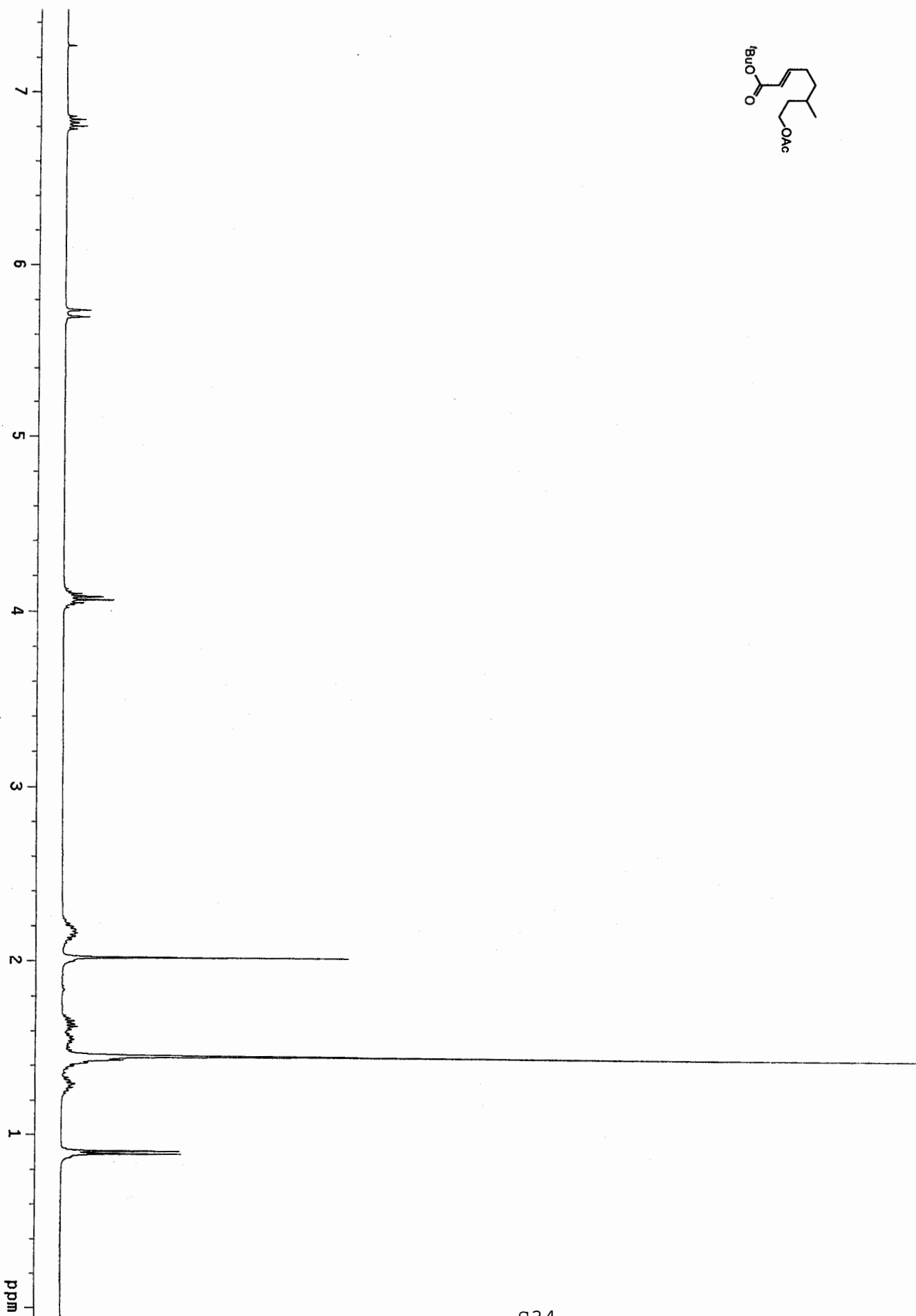
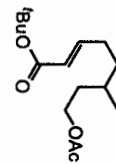


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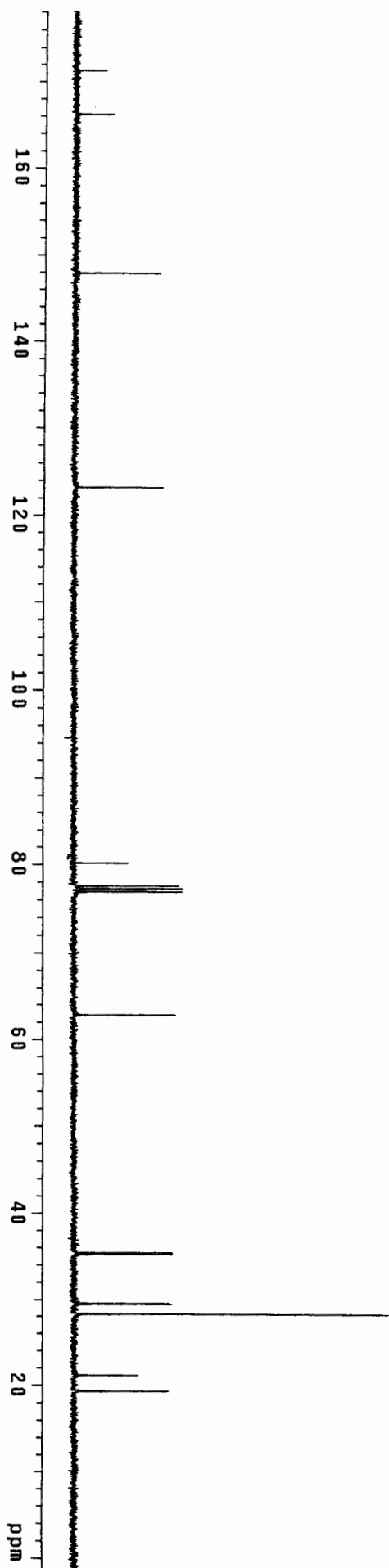
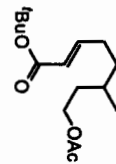


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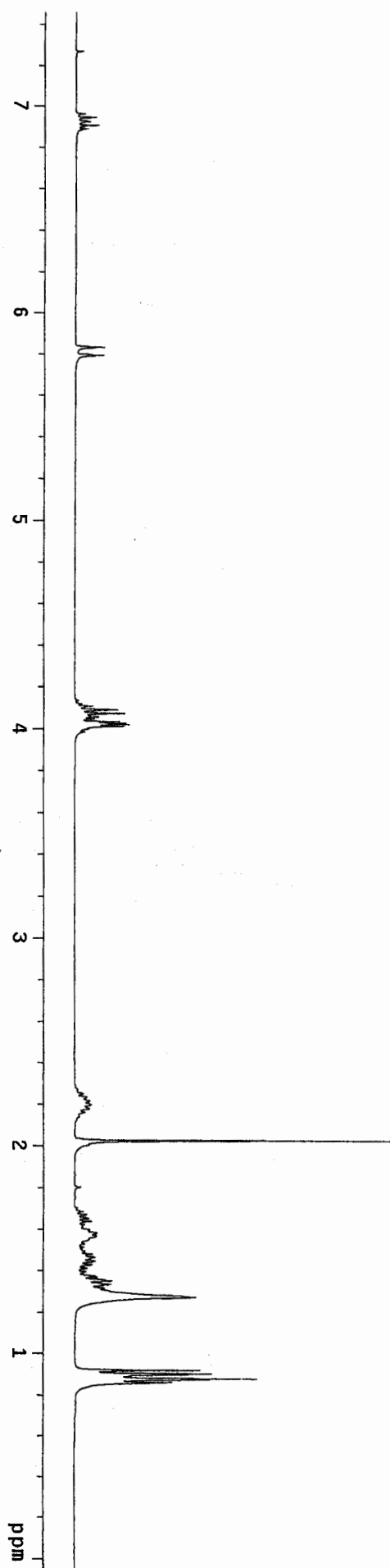
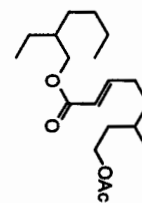
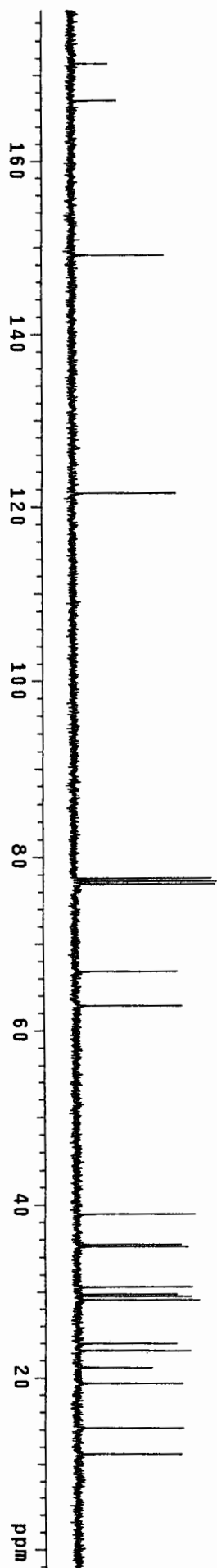
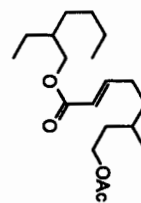
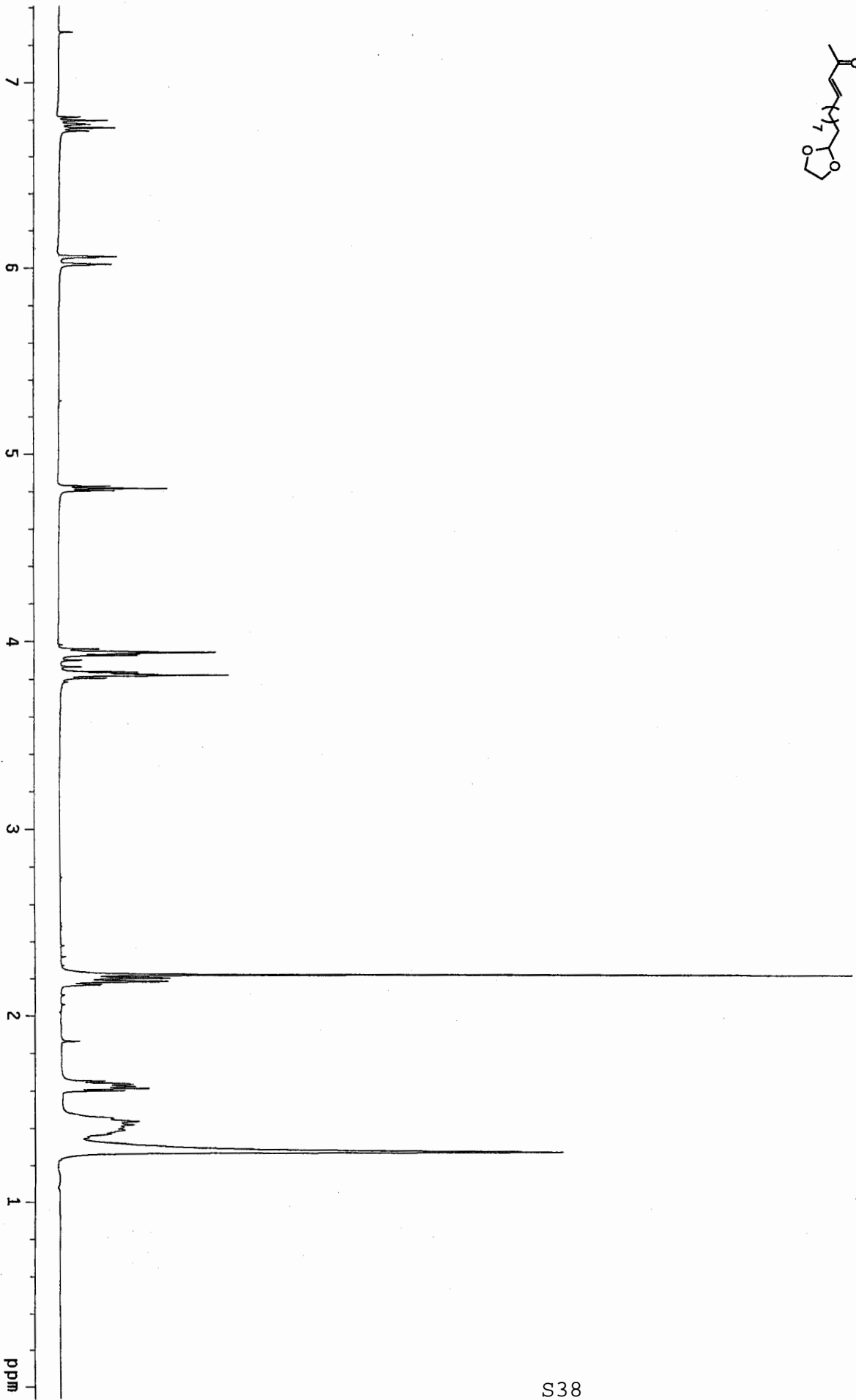
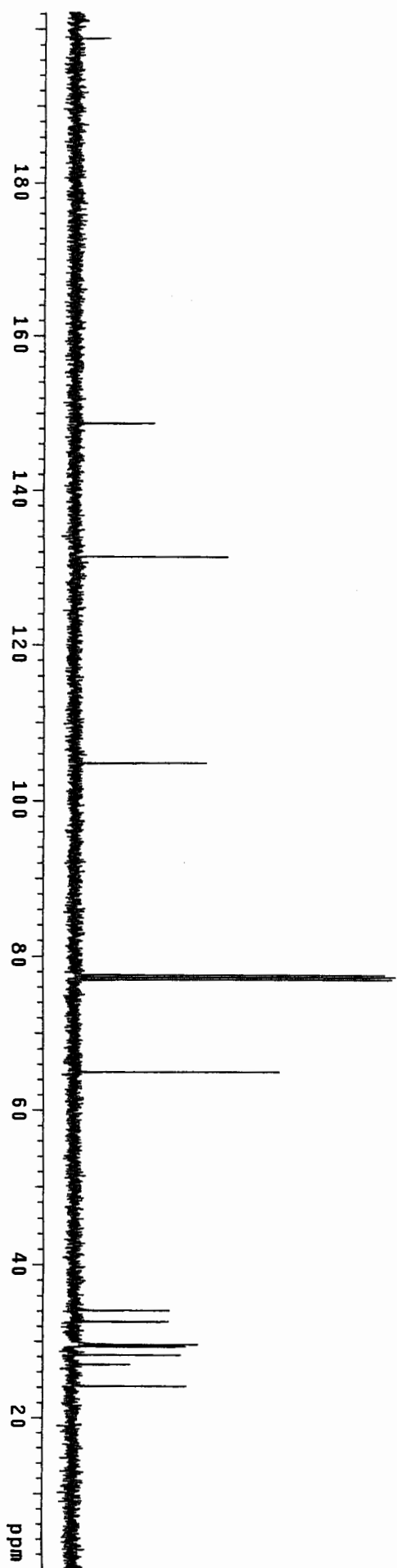
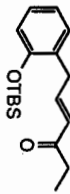


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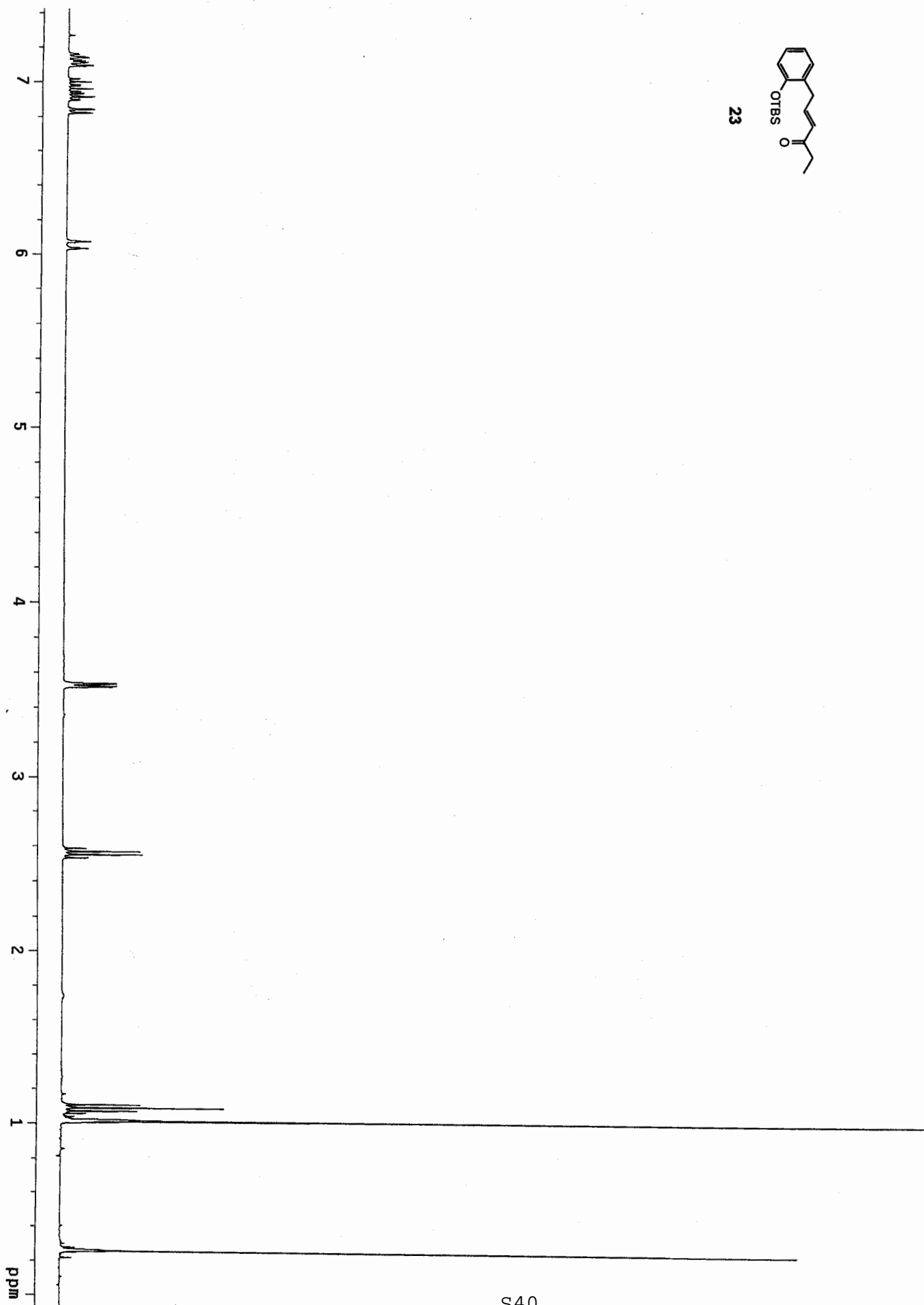


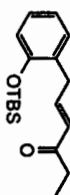




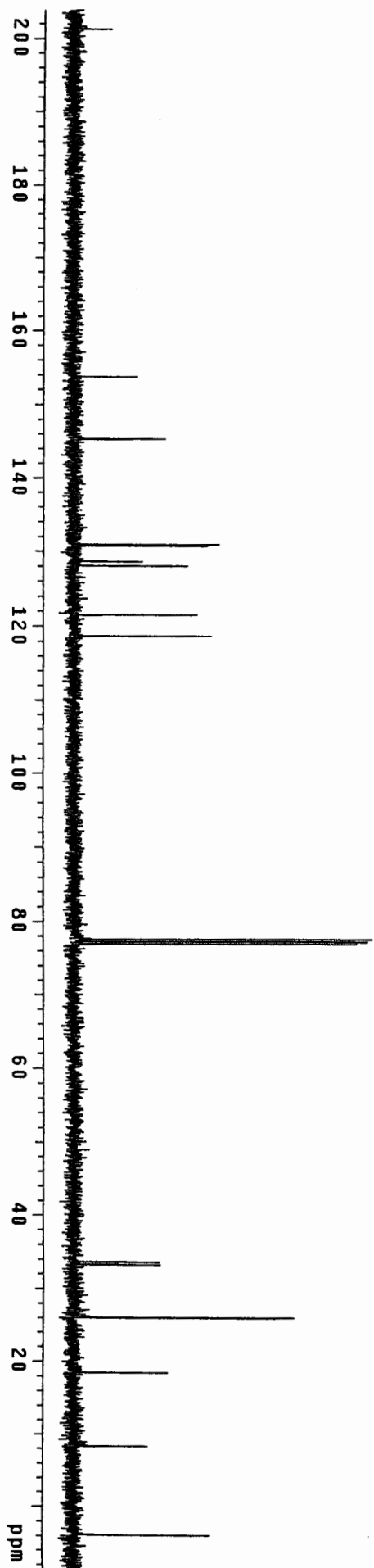


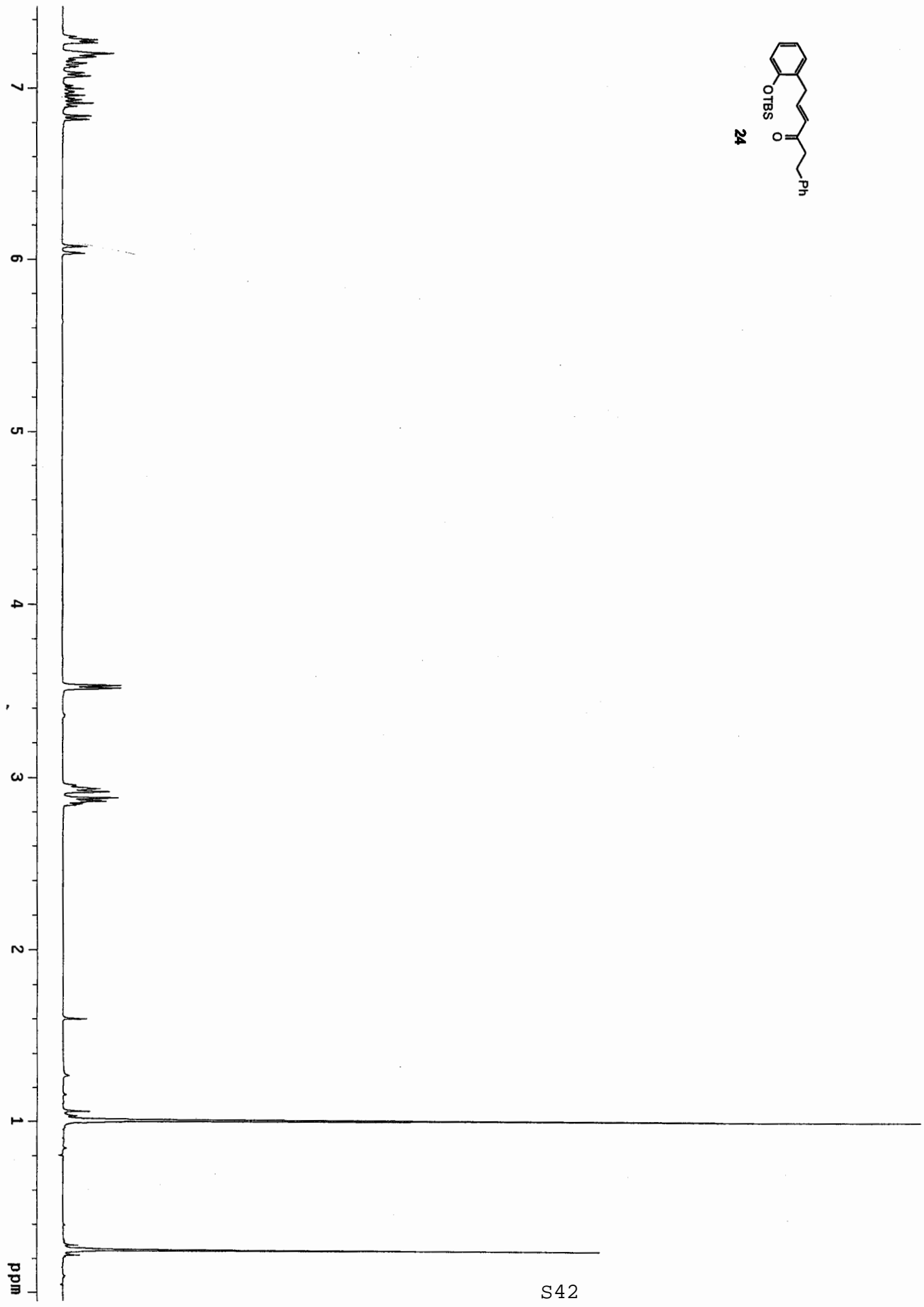
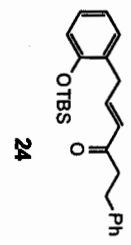
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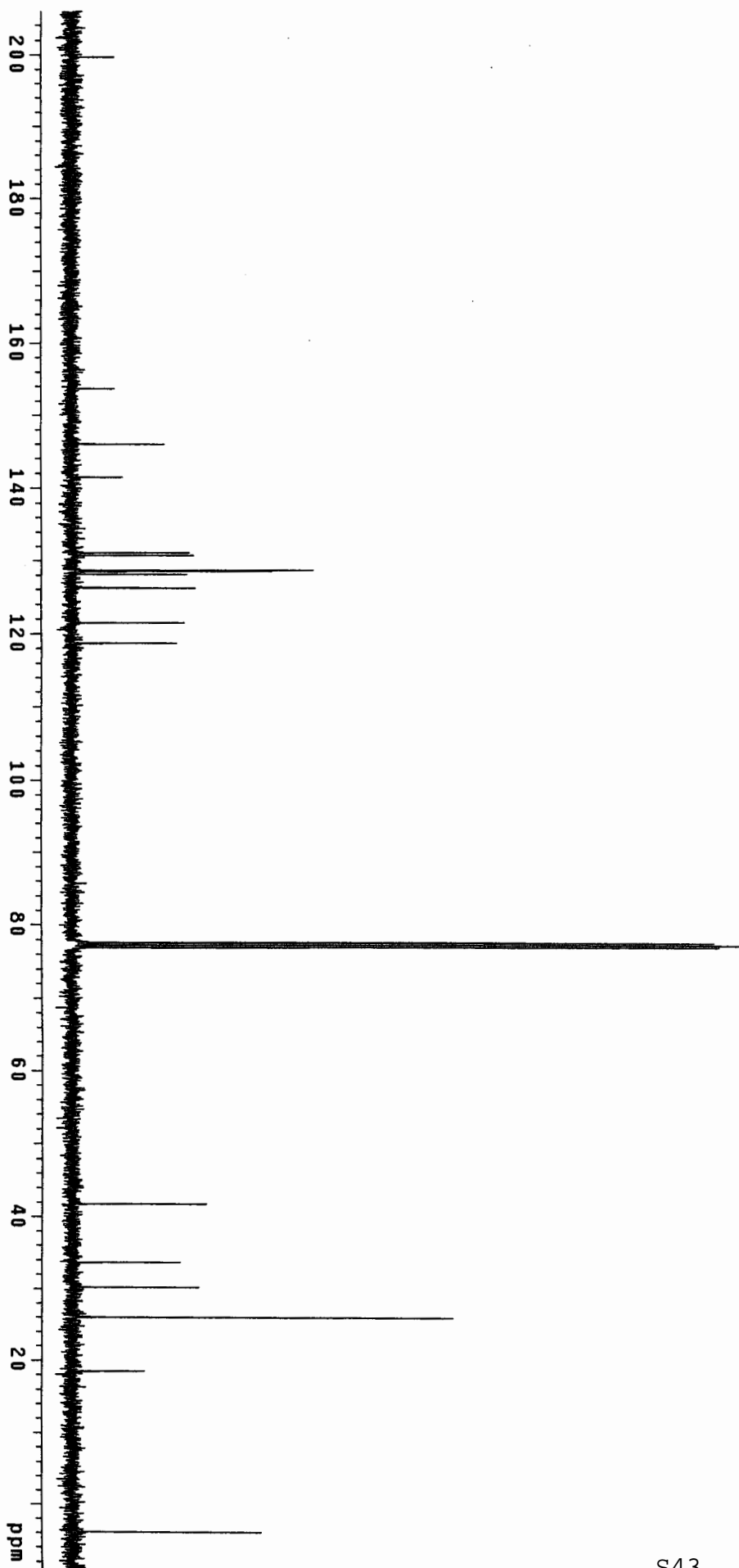
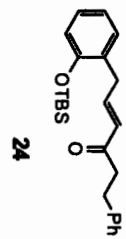




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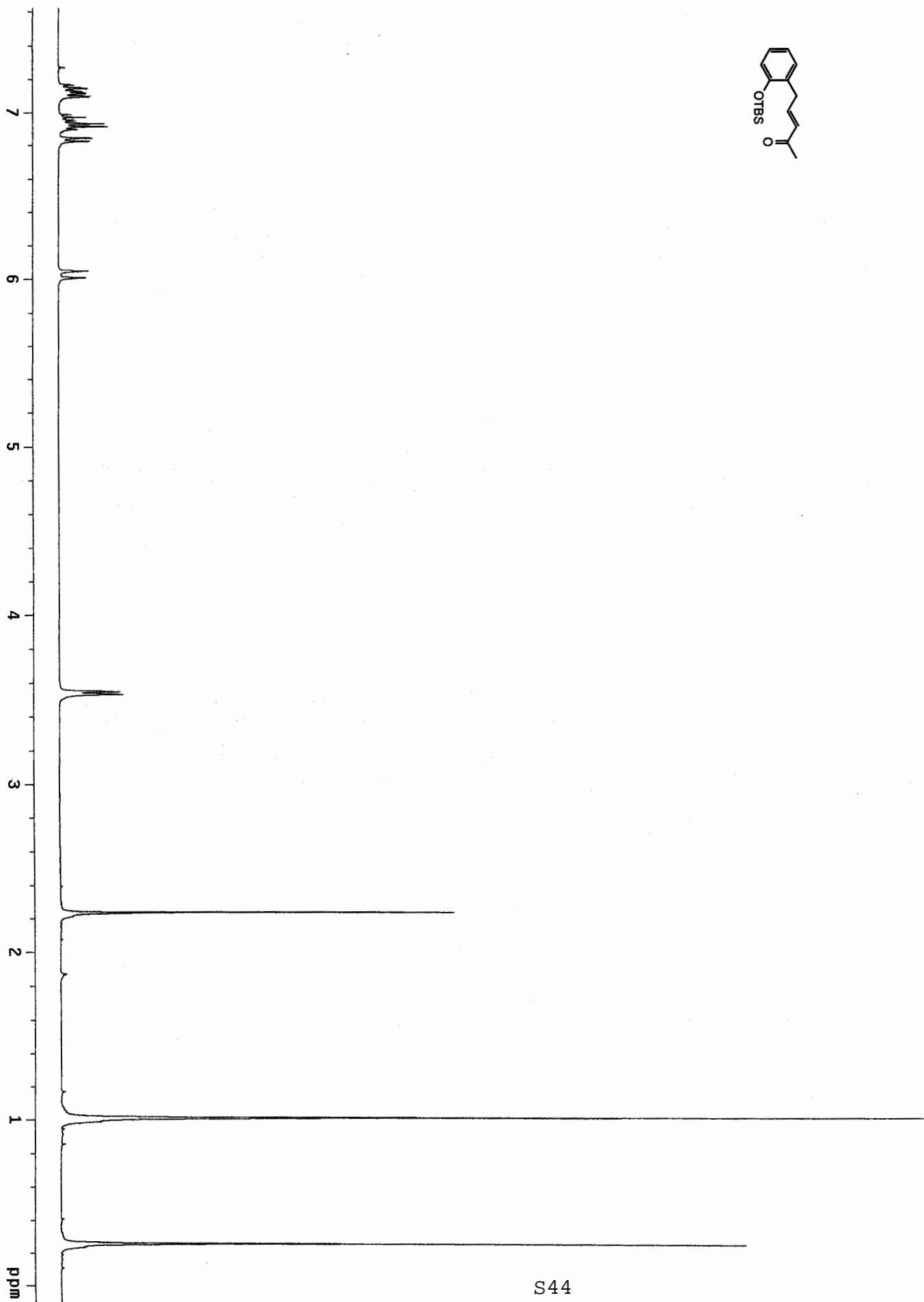
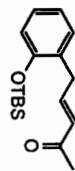
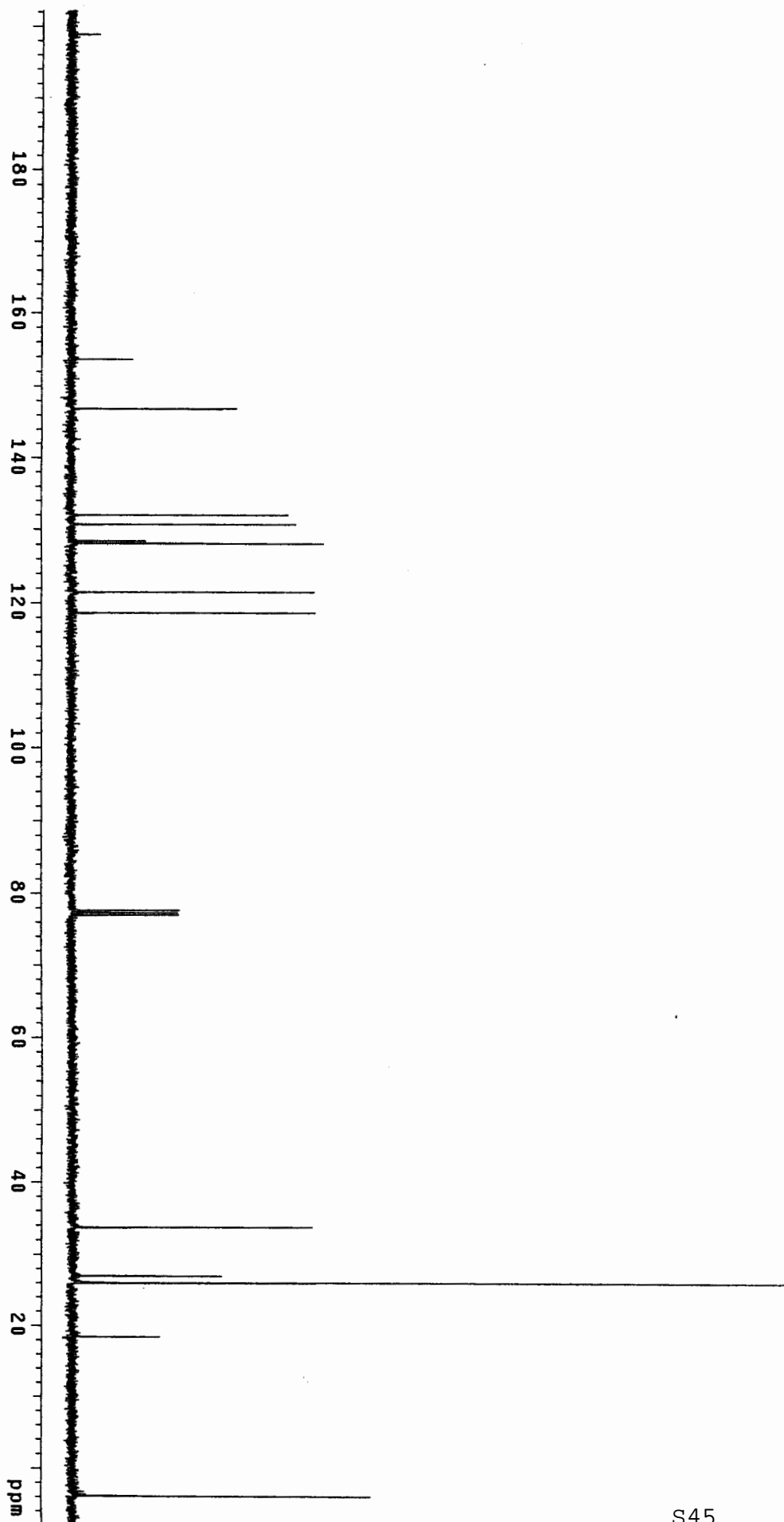
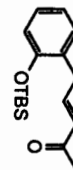


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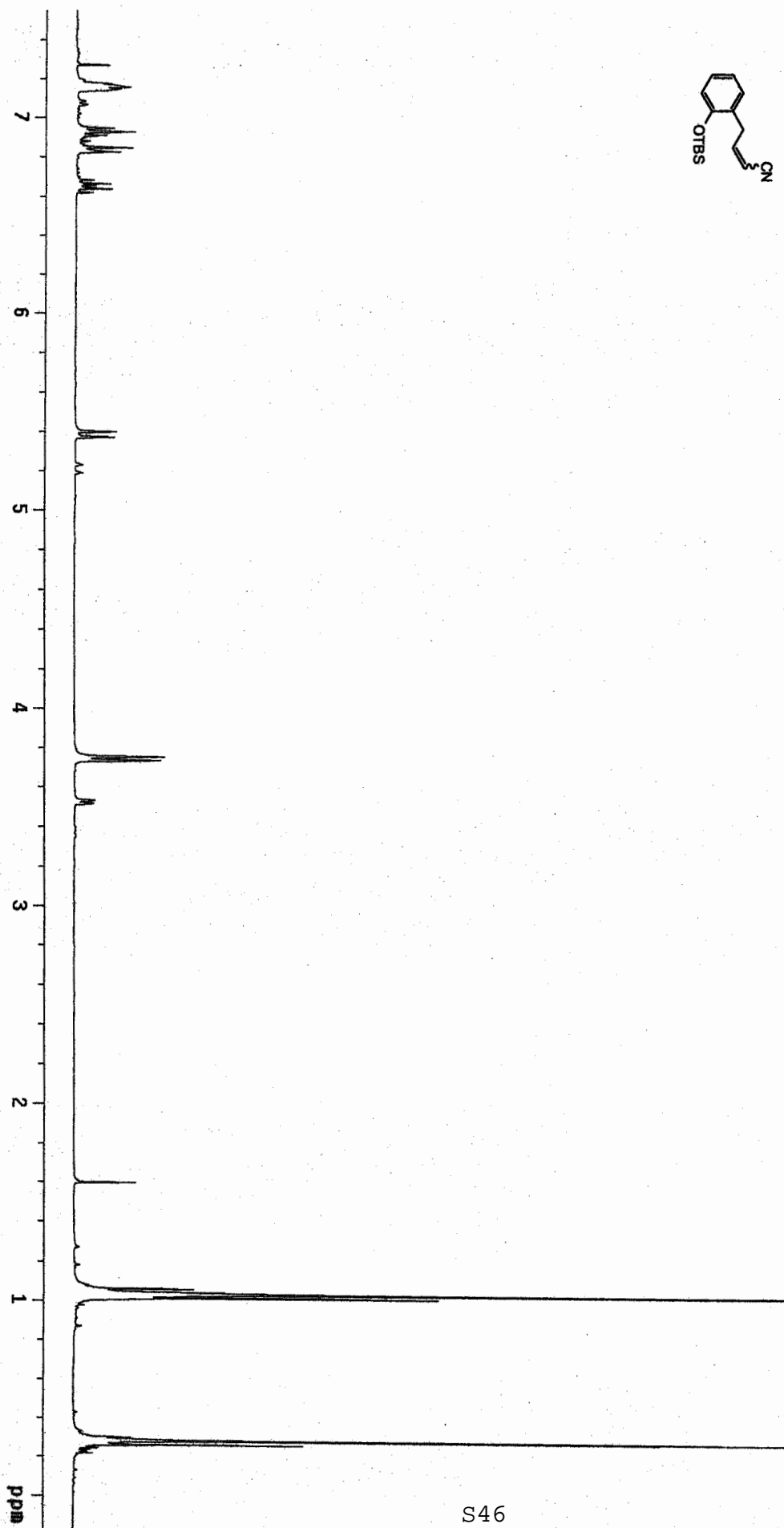
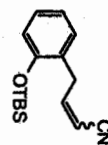


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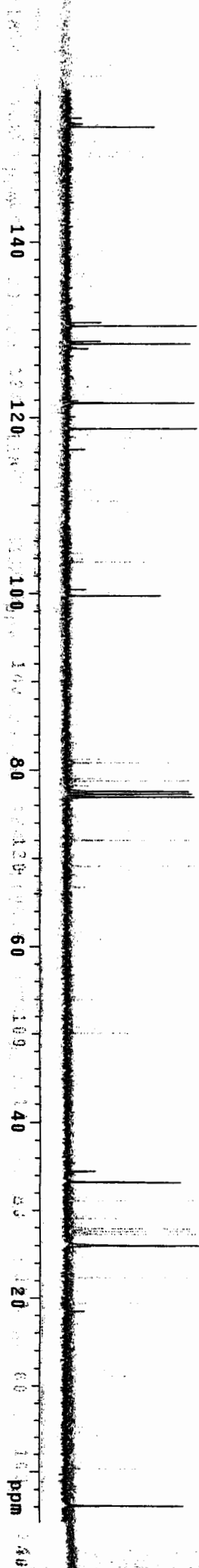
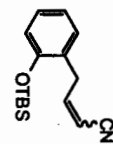


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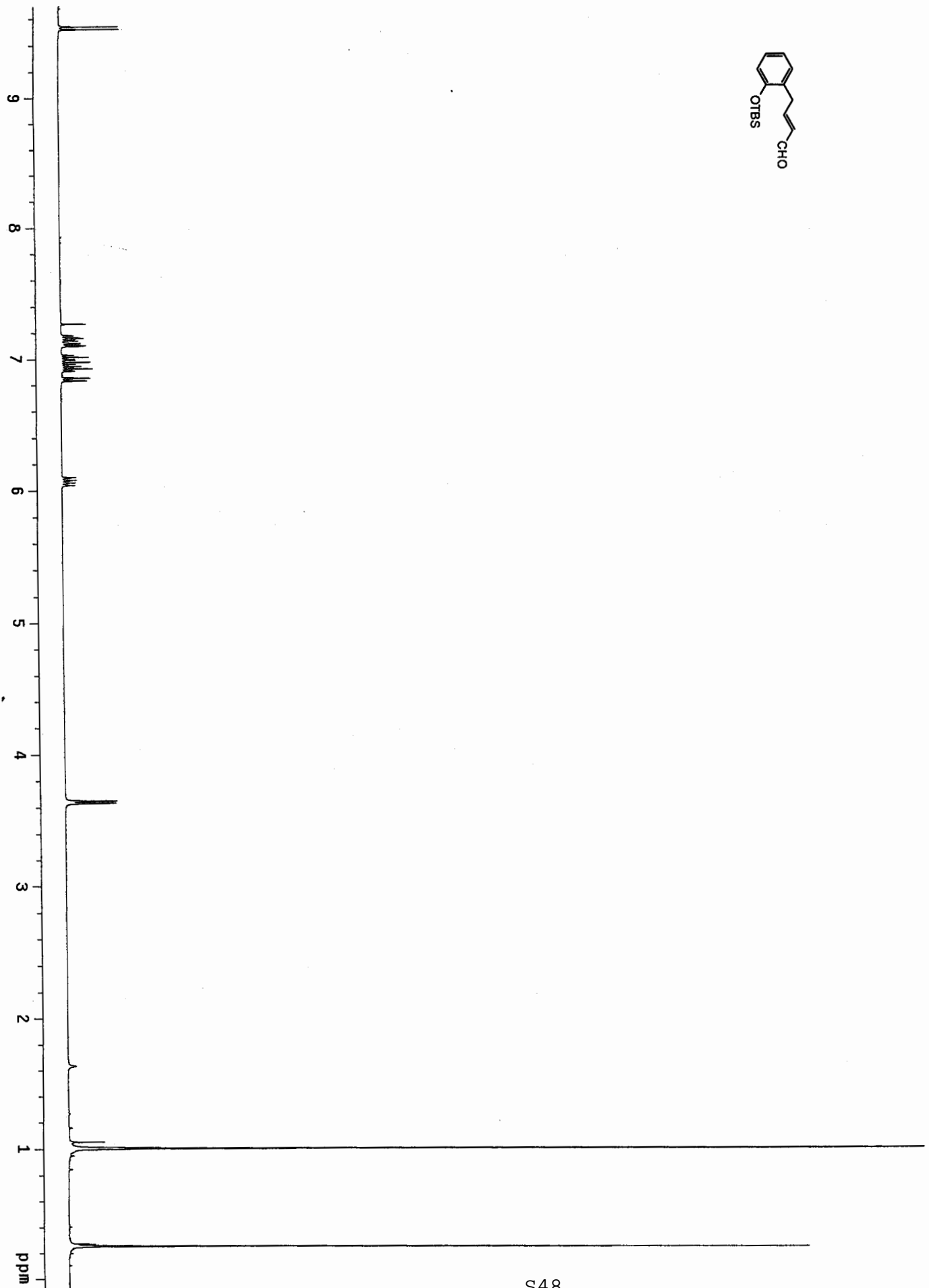
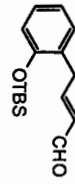


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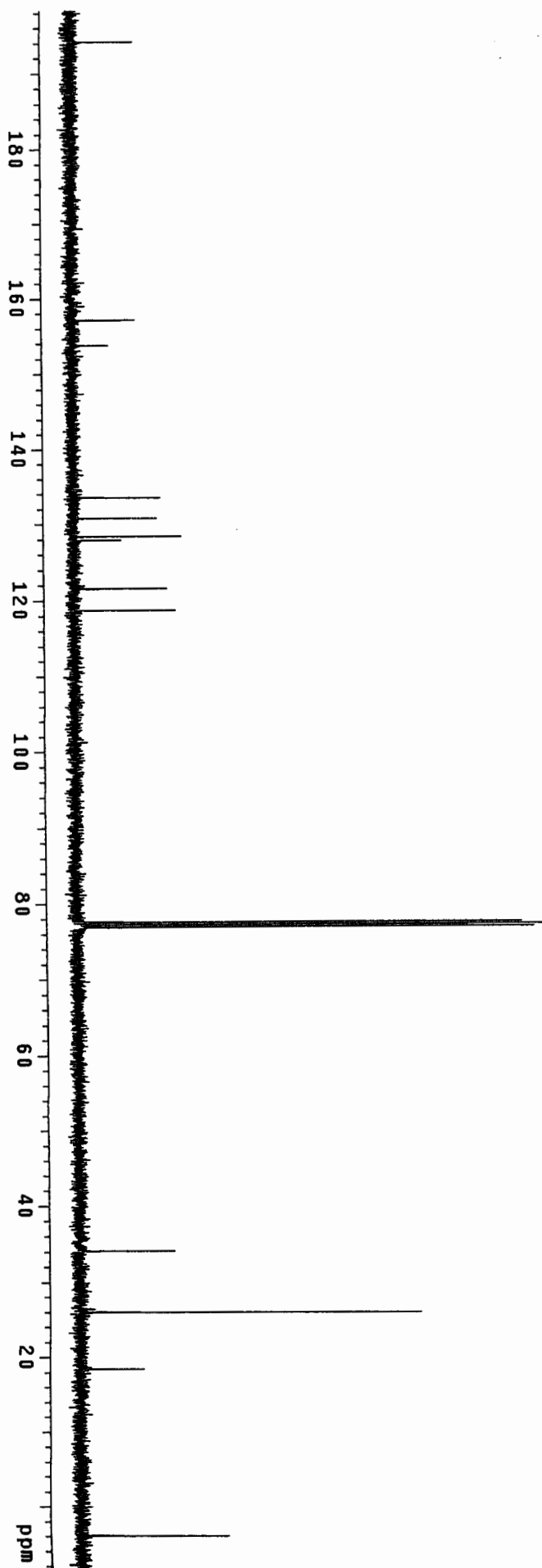
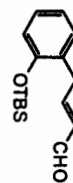


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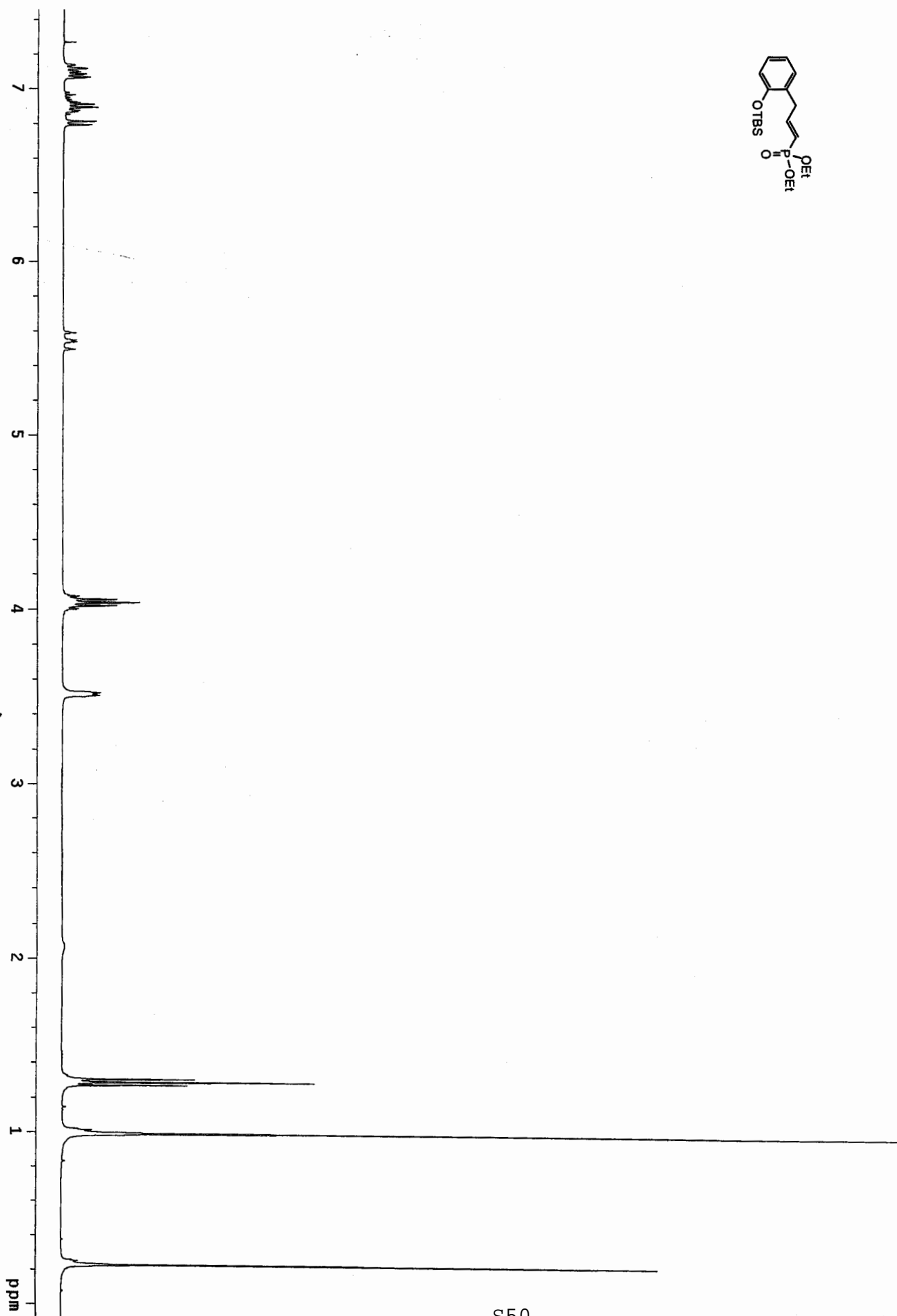
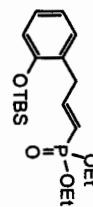
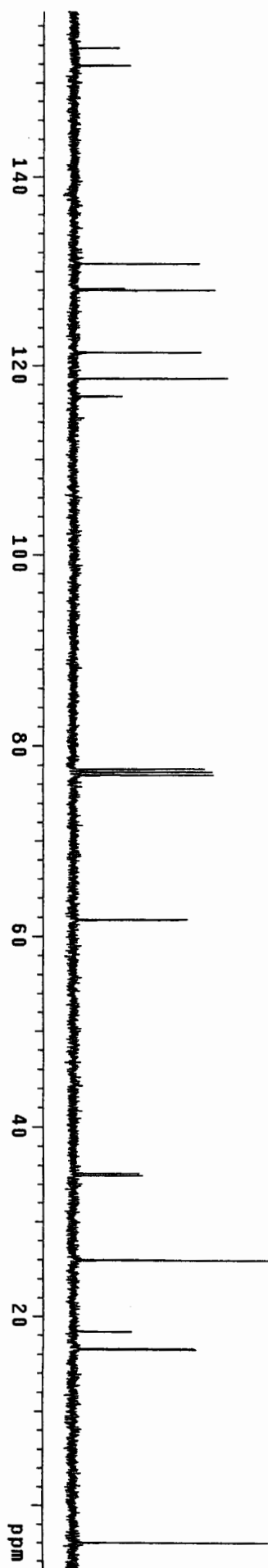
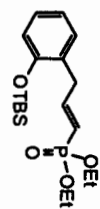


Table 7, entry 4



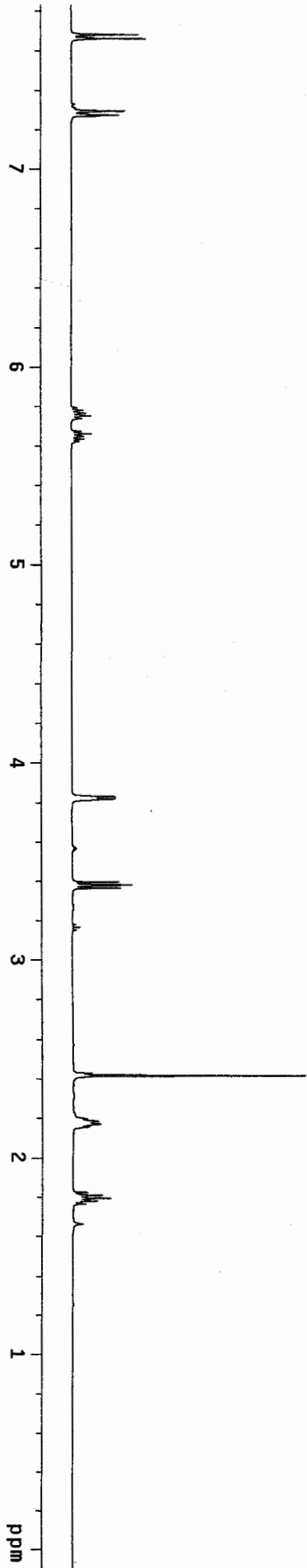
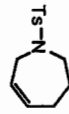
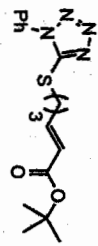
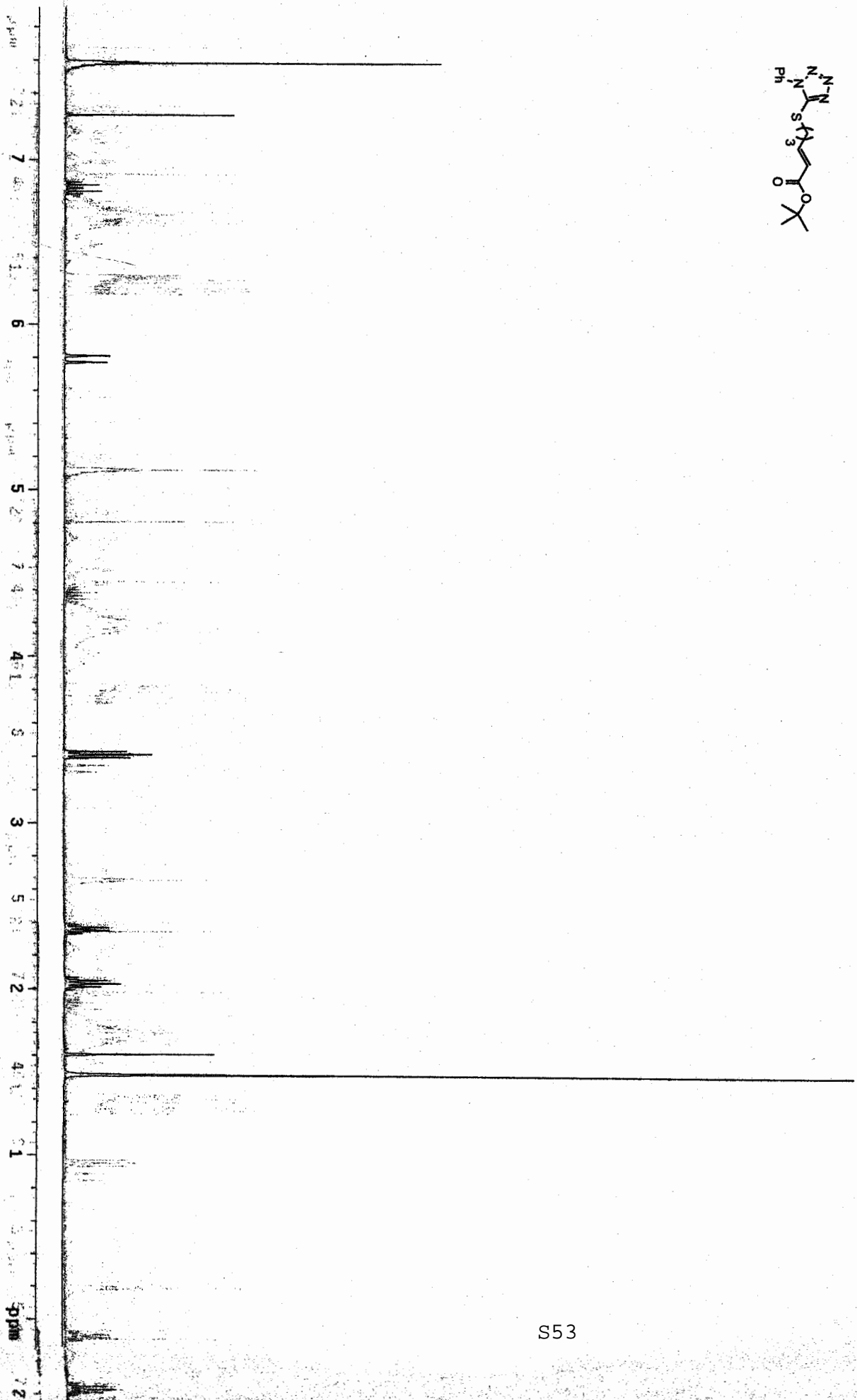
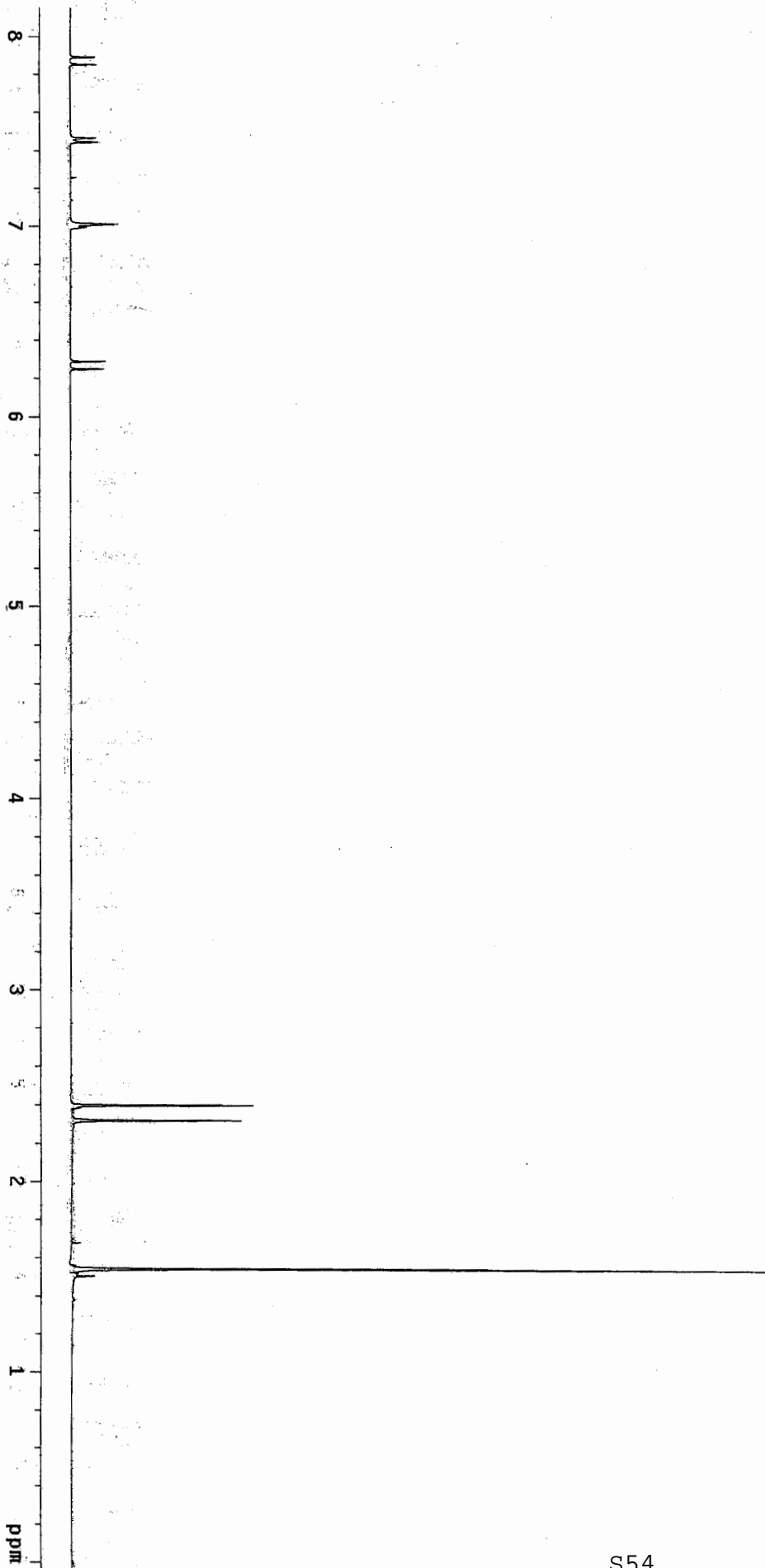
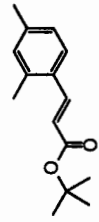


Table 12, entry 1





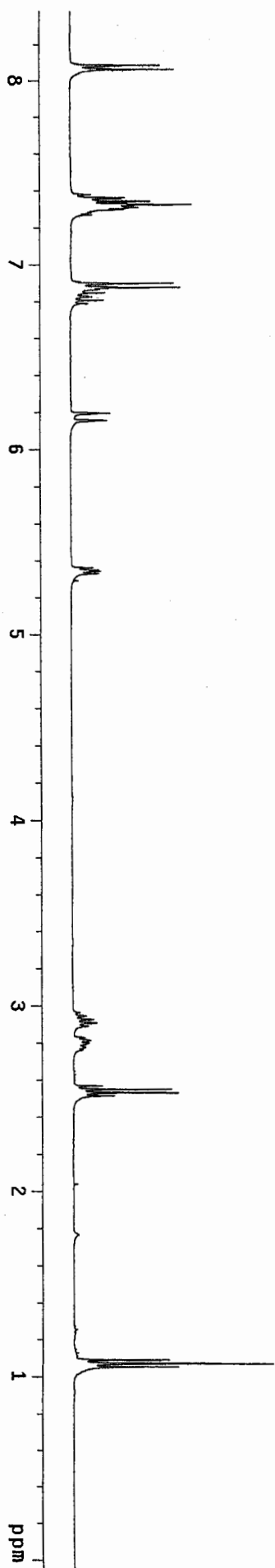
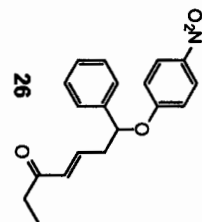


Table 5, entry 1
(starting material)

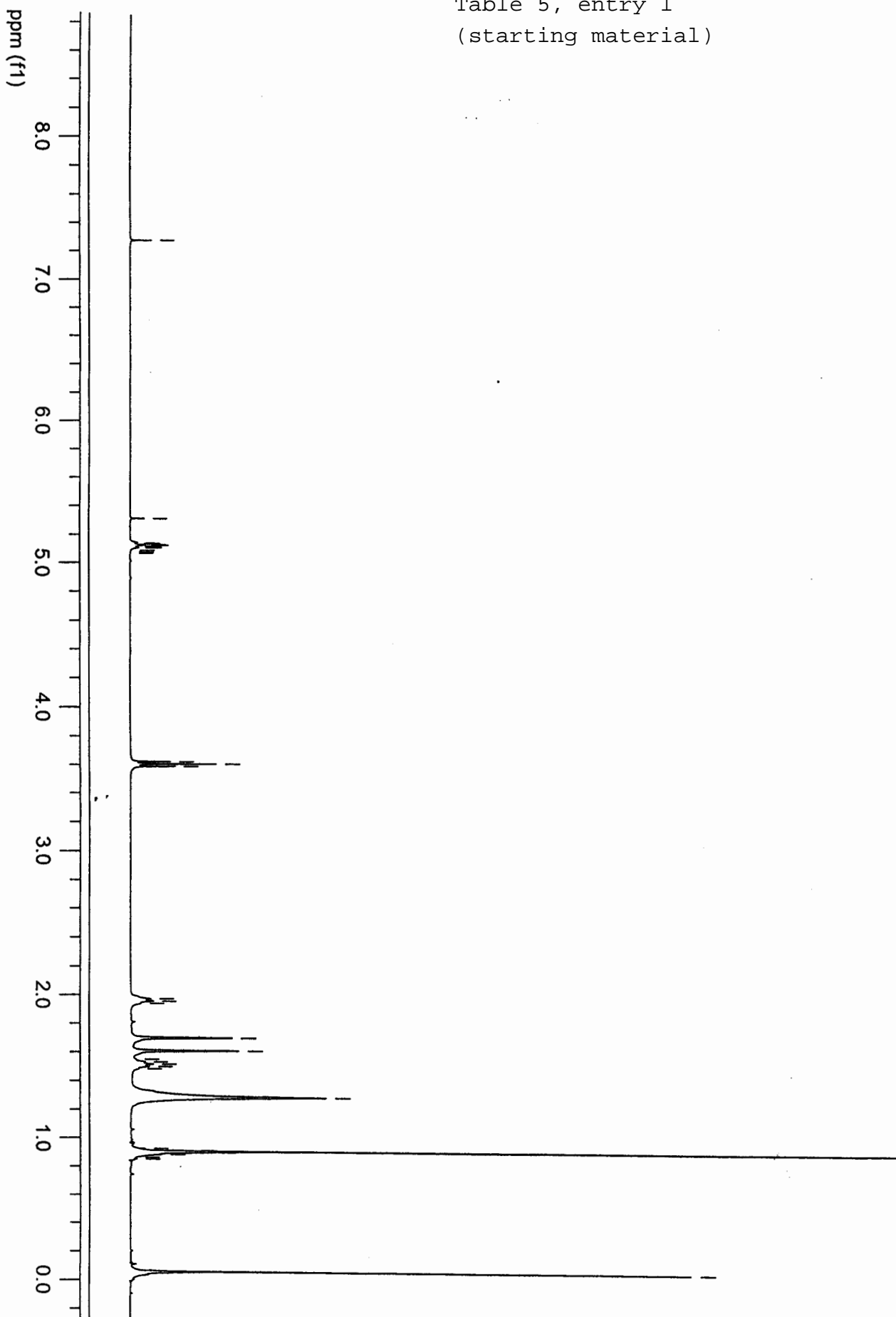


Table 5, entry 1
(starting material)

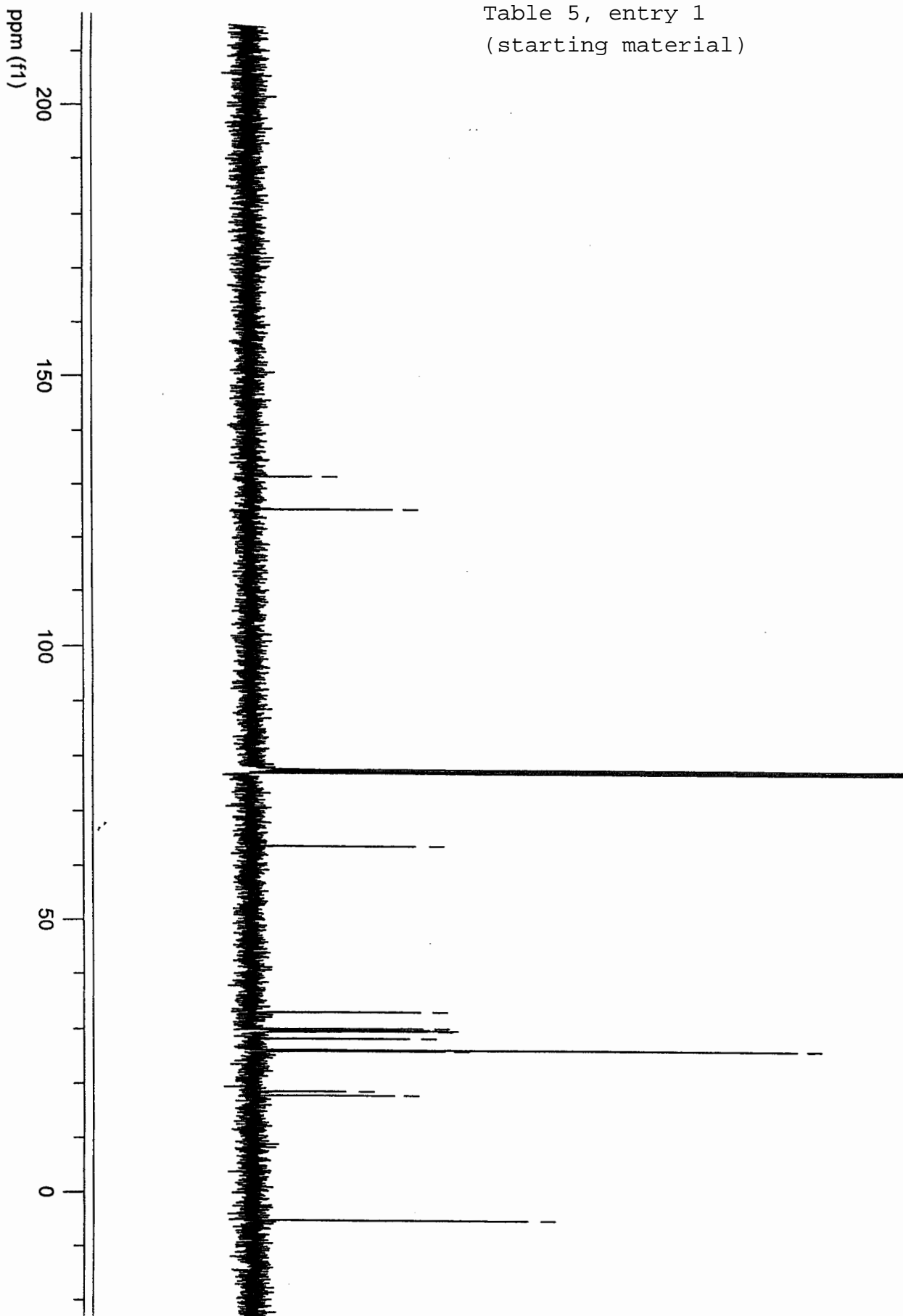


Table 5, entry 2
(starting material)

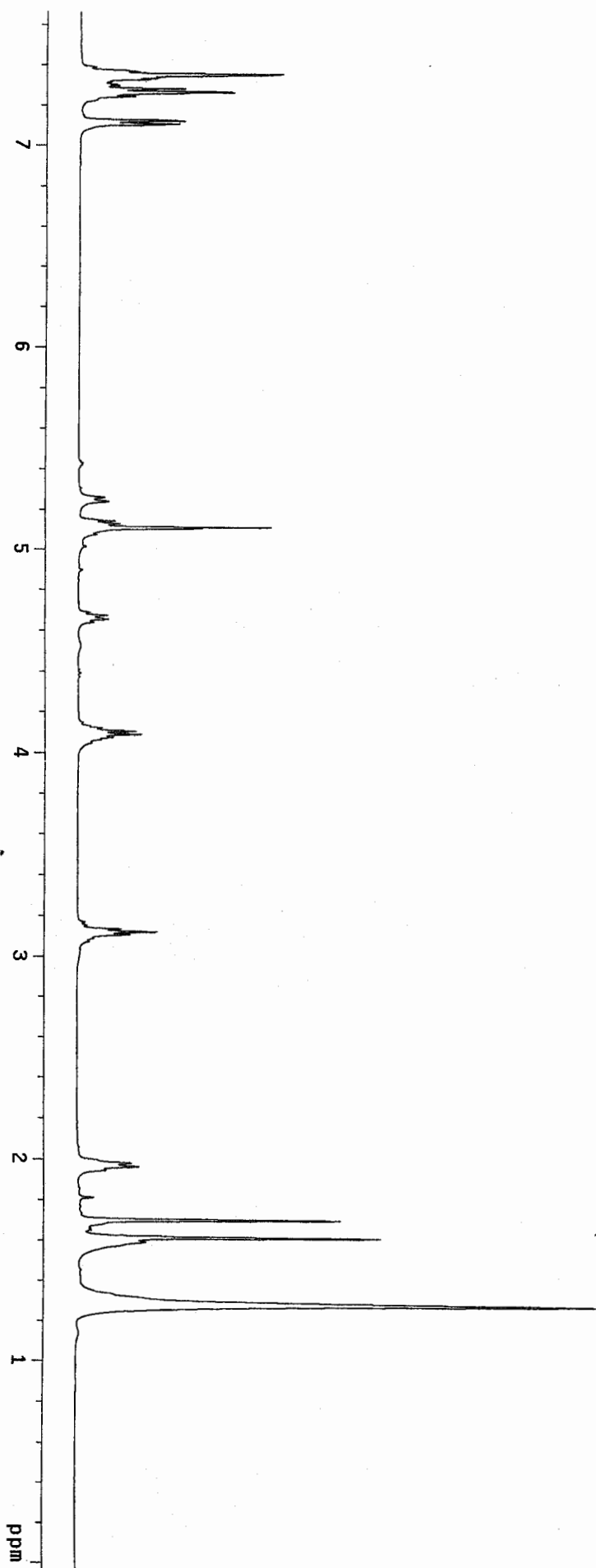
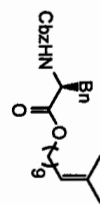


Table 5, entry 2
(starting material)

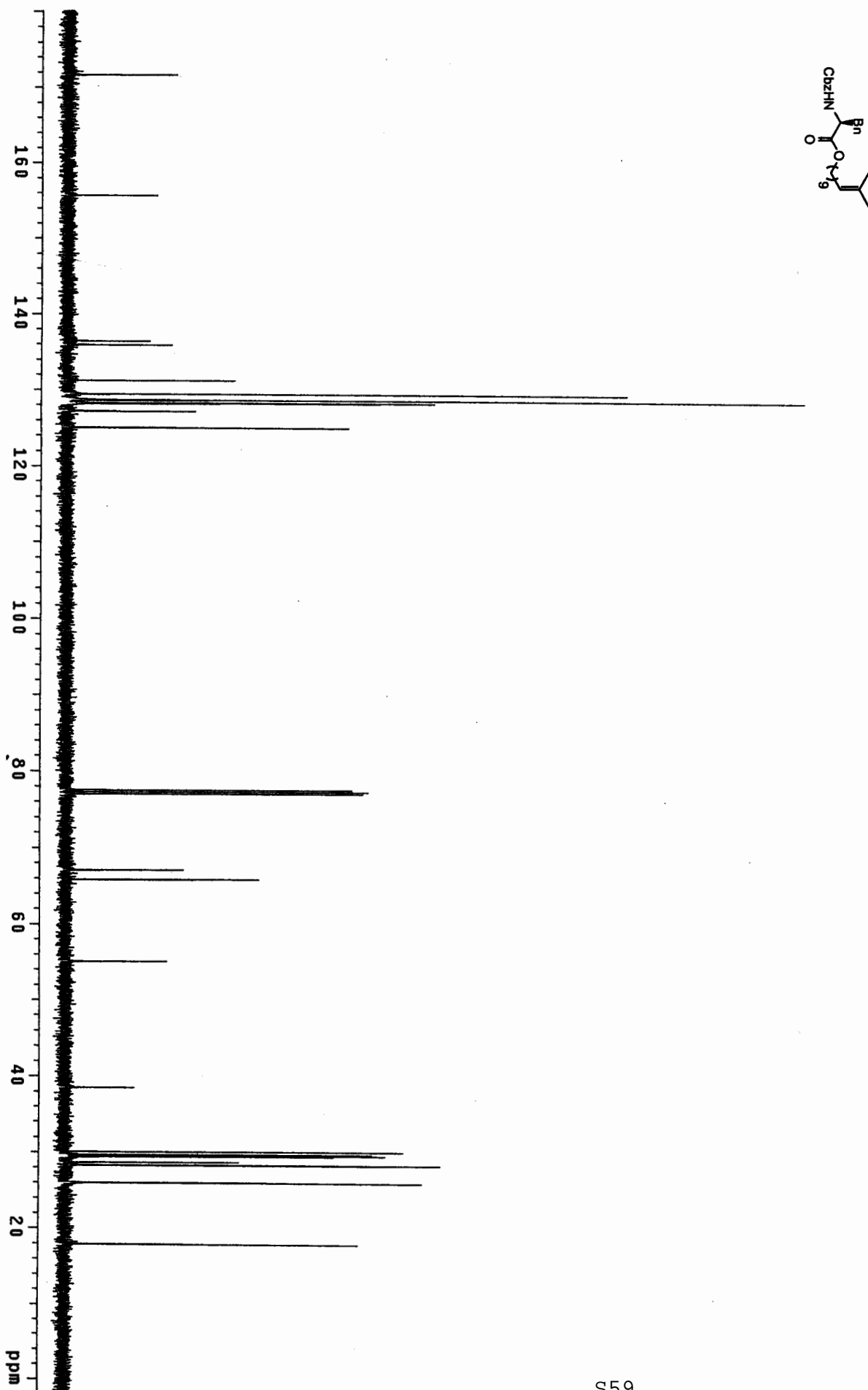


Table 5, entry 5
(starting material)

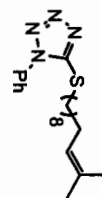
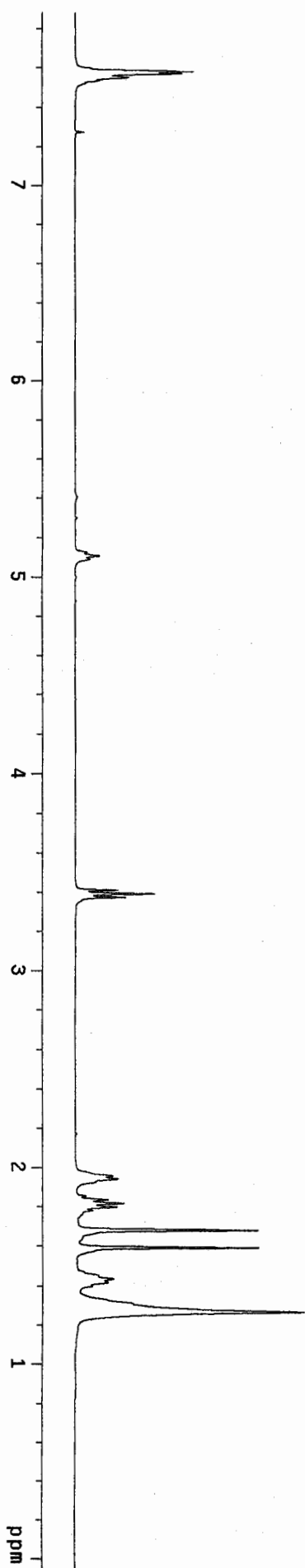


Table 5, entry 5
(Starting material)

