

## SUPPORTING INFORMATION

A click-based approach to modular introduction of peroxides onto molecules and nanostructures. Horn, A.; Dussault, P. H.

Includes copies of  $^1\text{H}$  and  $^{13}\text{C}$  NMR spectra of molecules reported in the paper, as well as  $^1\text{H}$ , IR, and XPS characterization of functionalized Au nanoparticles (100 pages).

Corresponding author:

Pat Dussault  
Department of Chemistry  
University of Nebraska-Lincoln  
Lincoln, NE 68588-0304  
[pdussault1@unl.edu](mailto:pdussault1@unl.edu)

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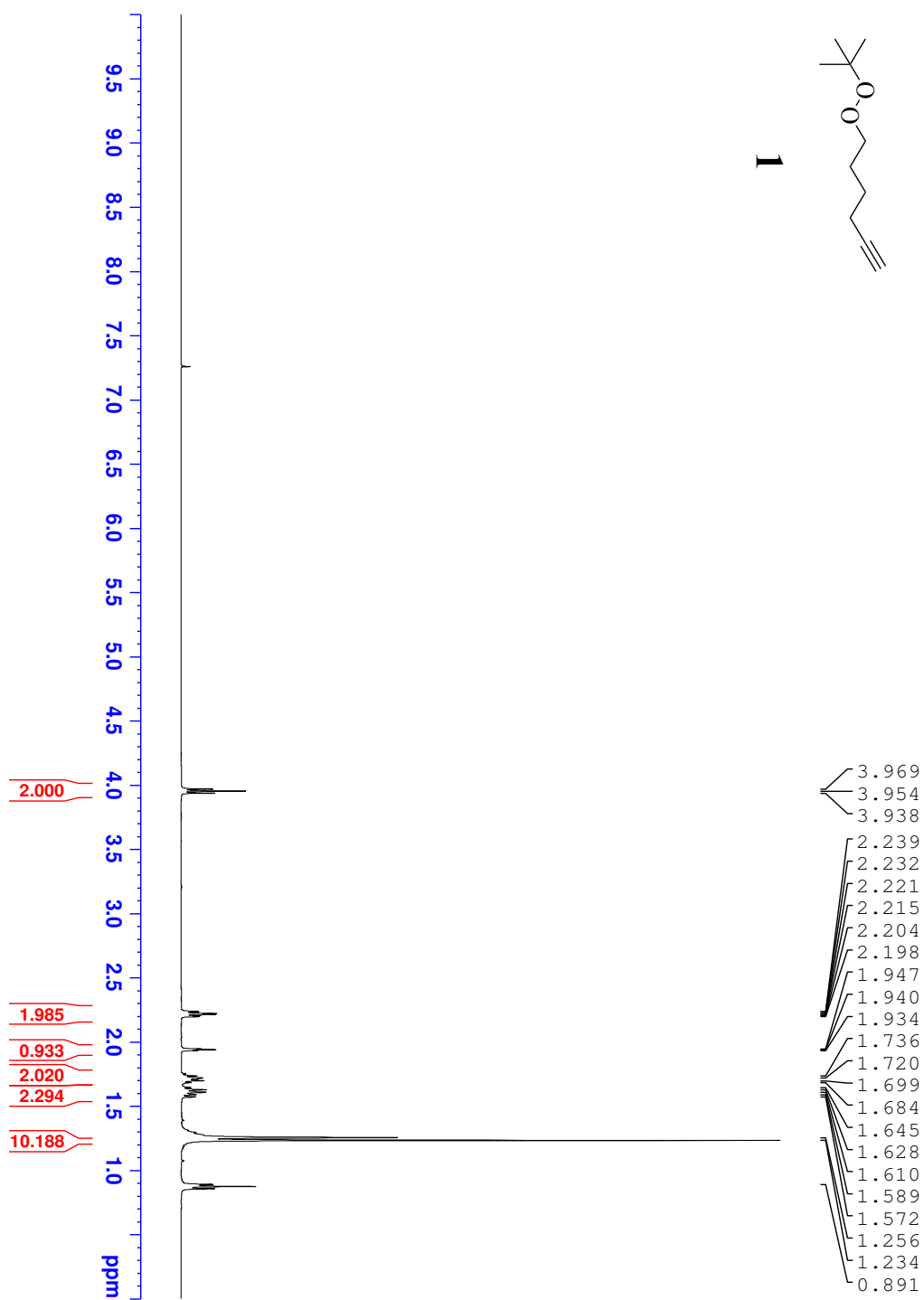
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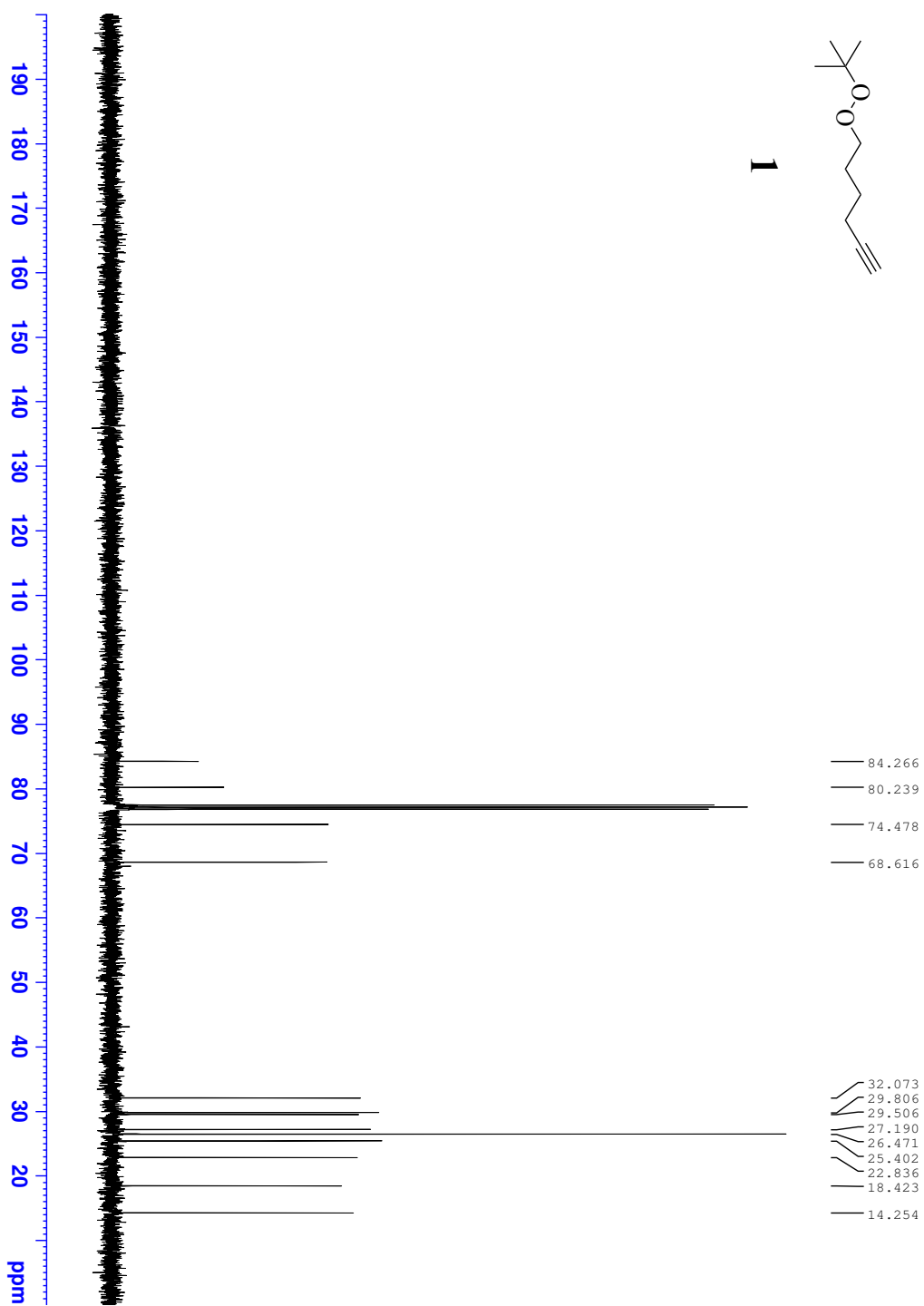
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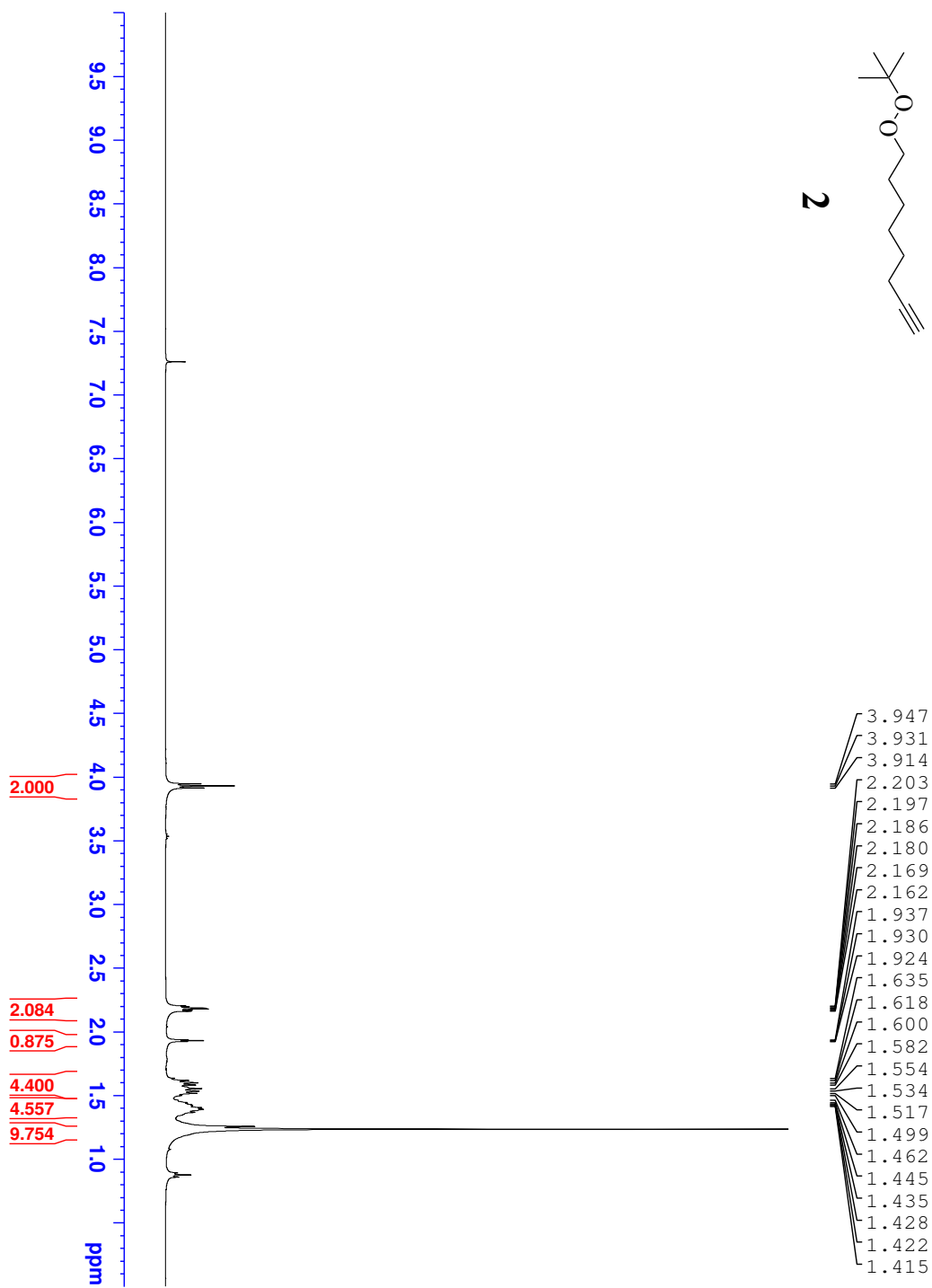
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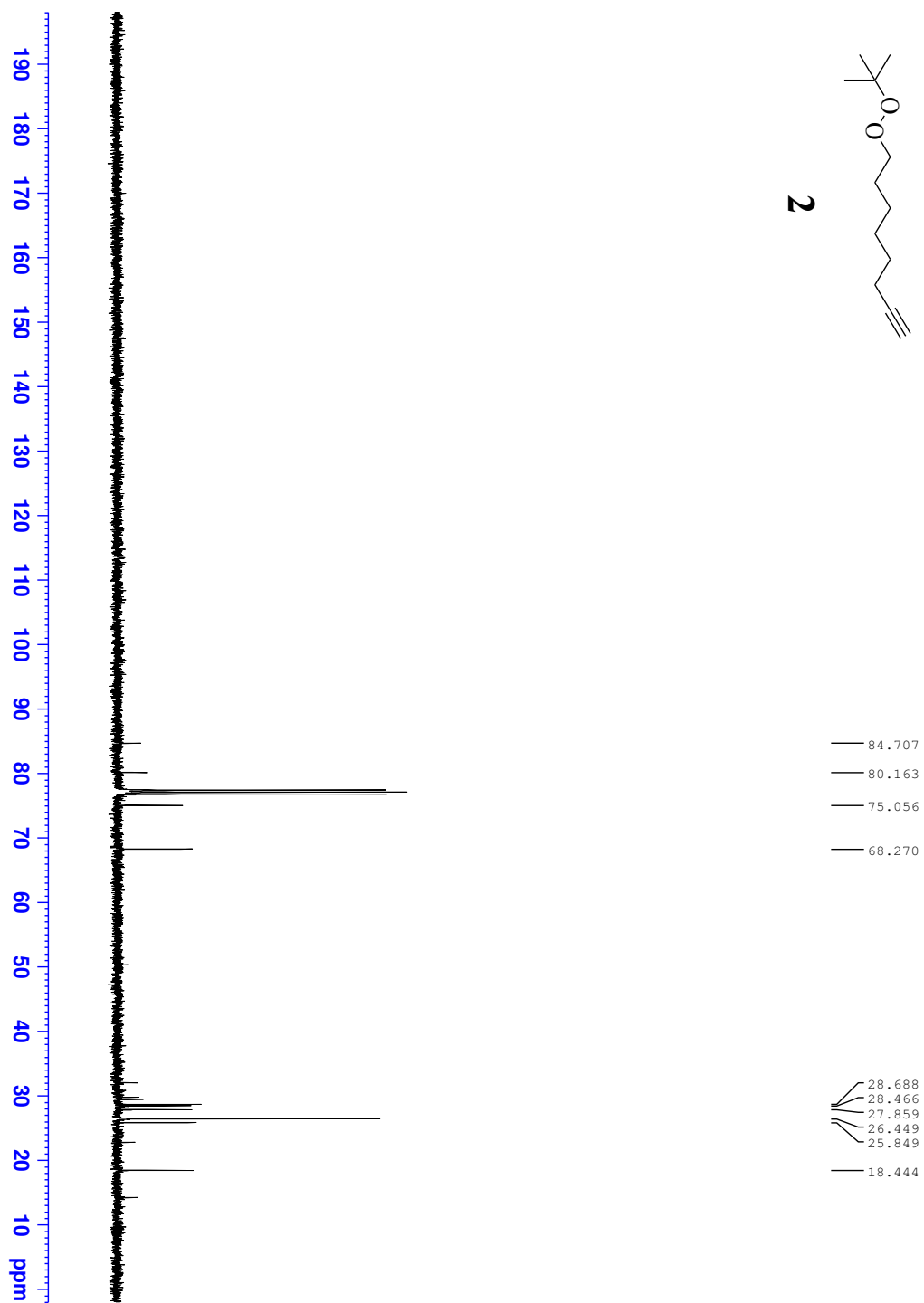


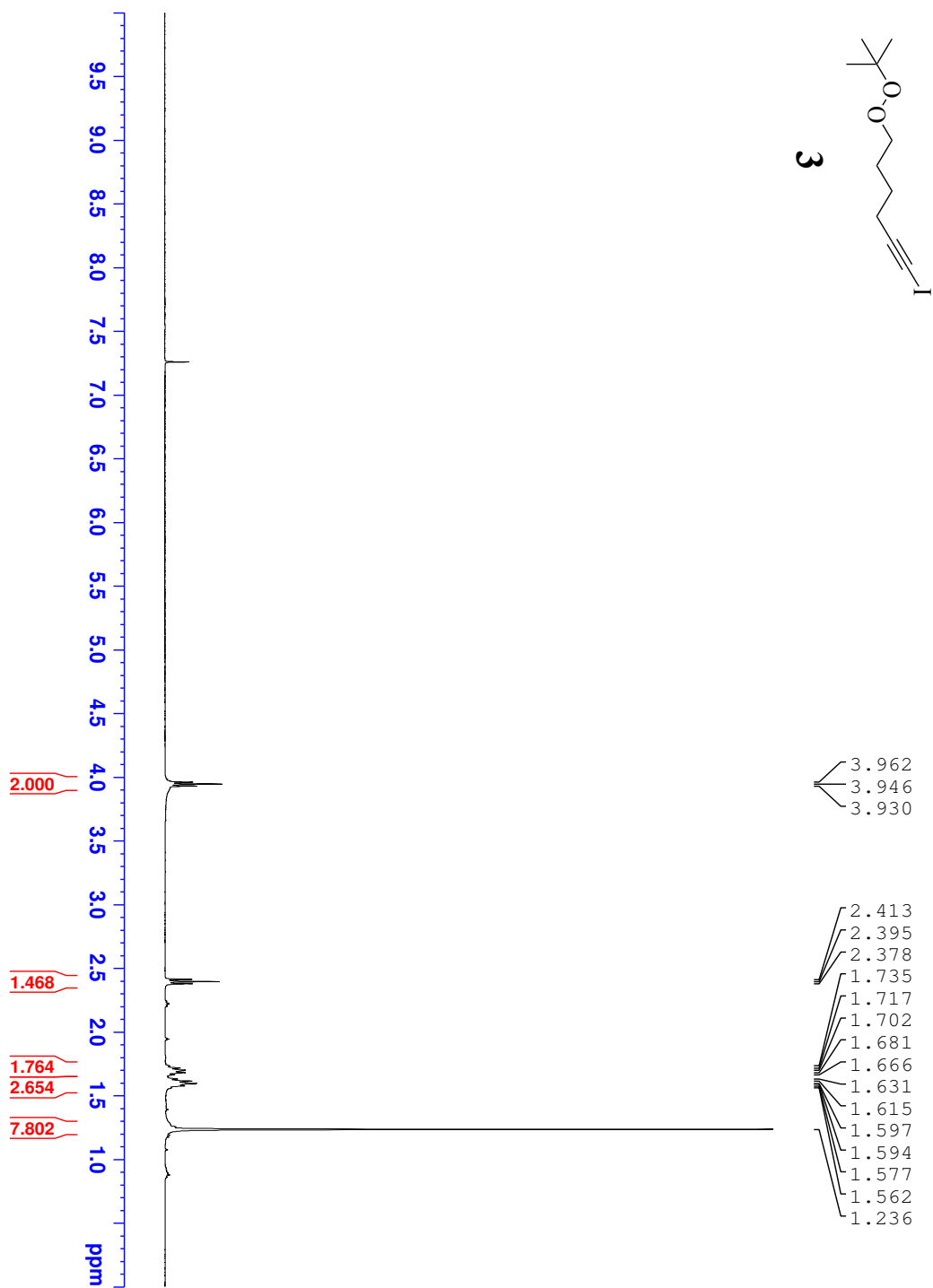
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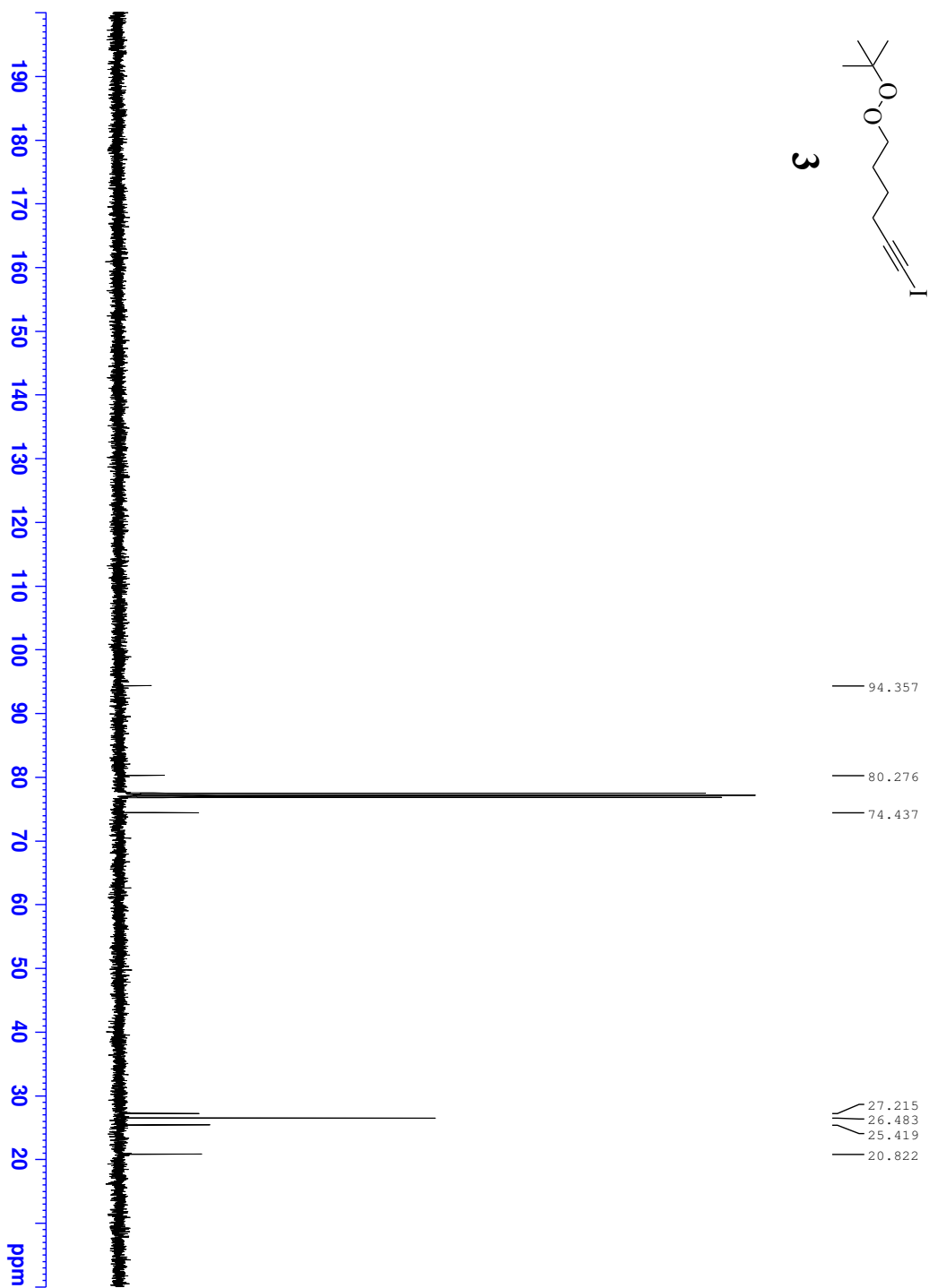


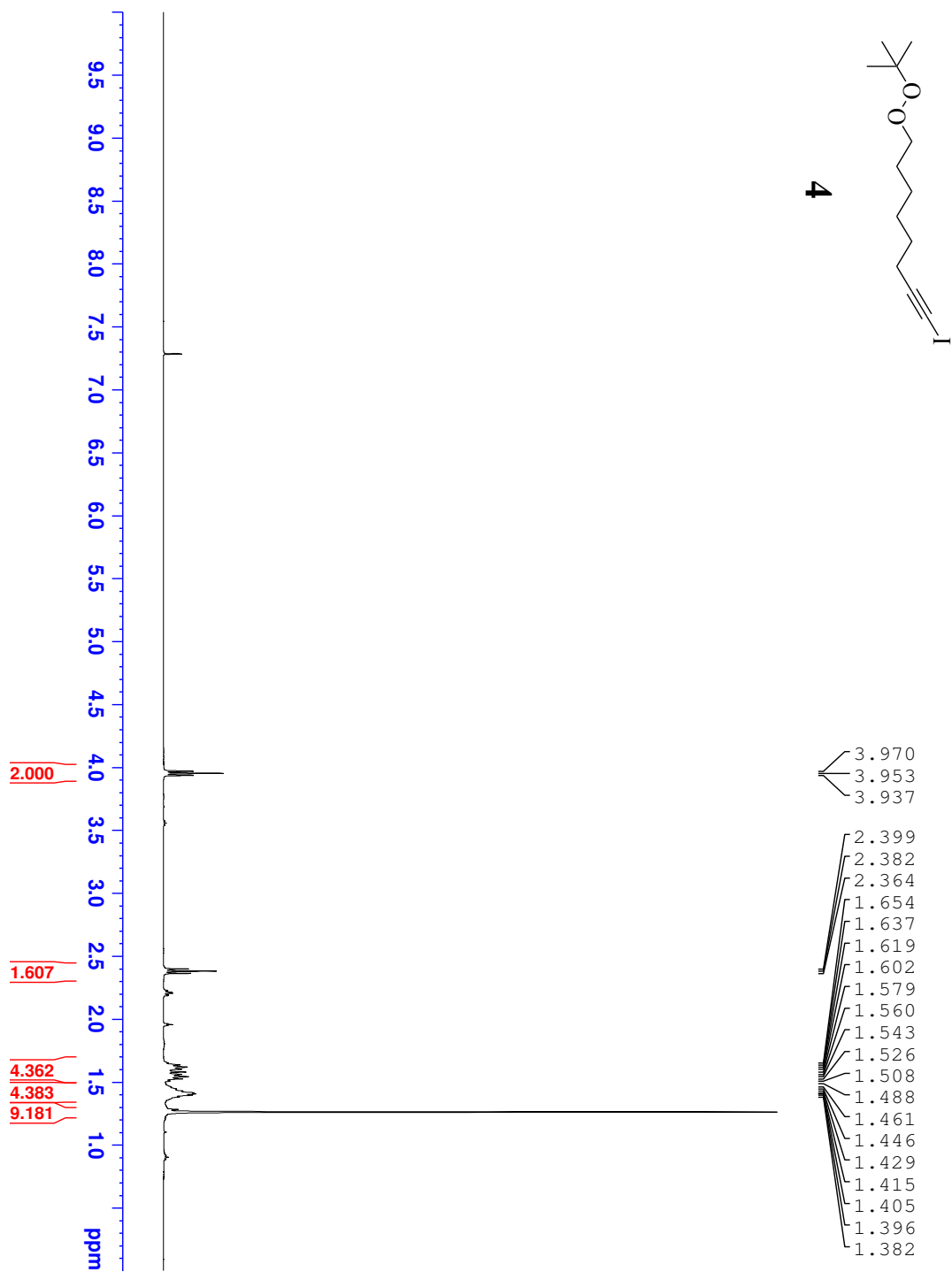


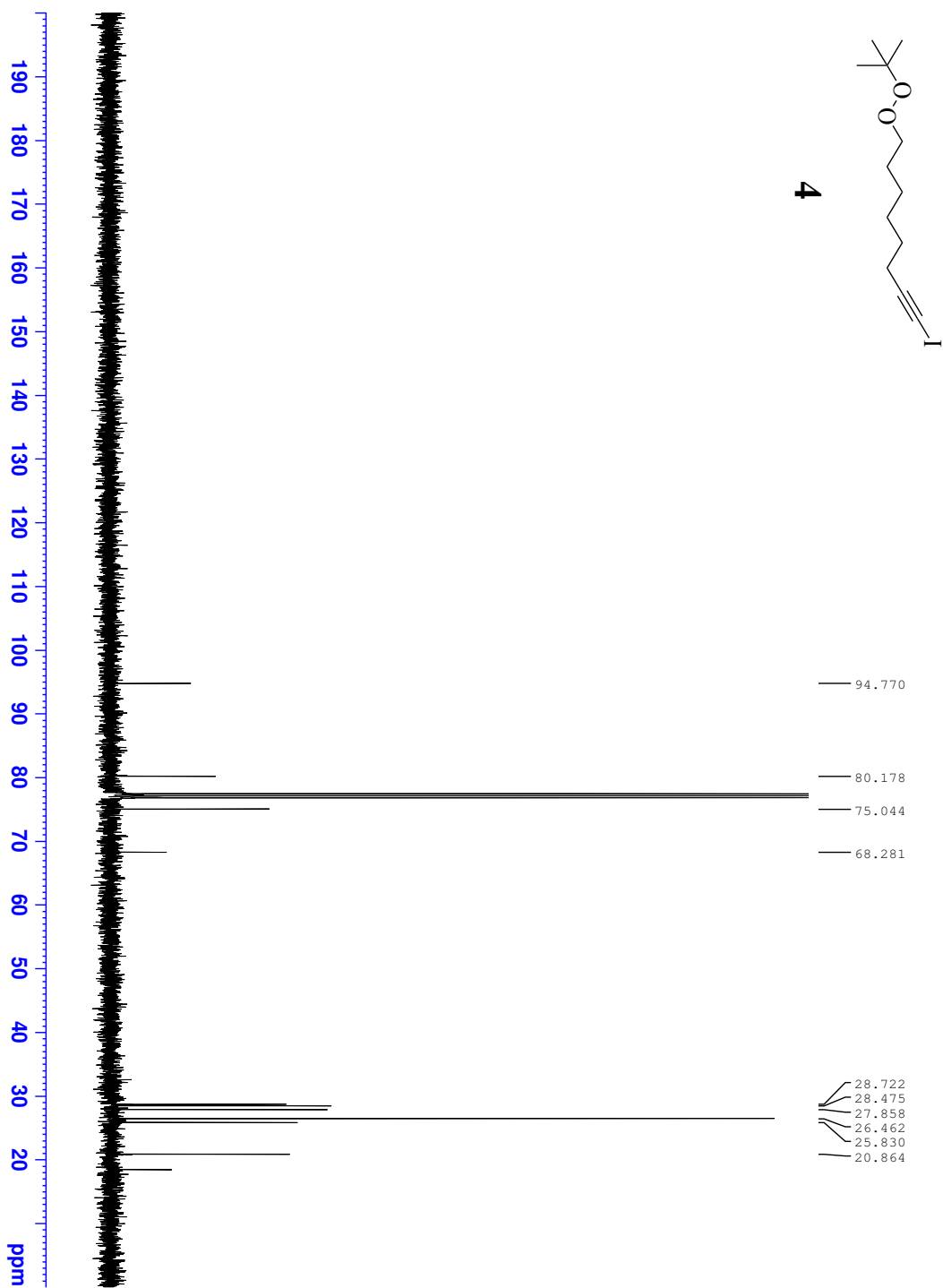


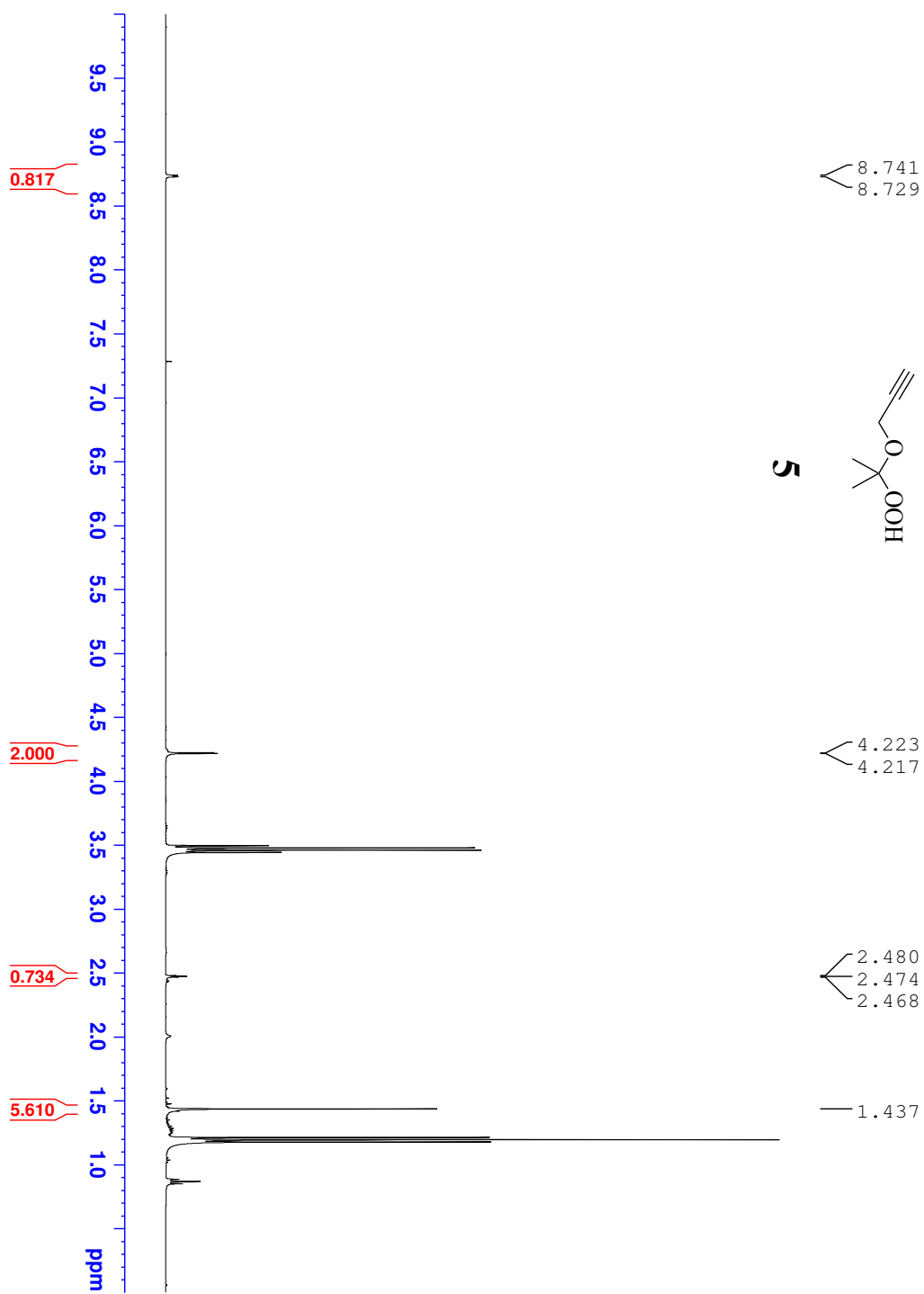


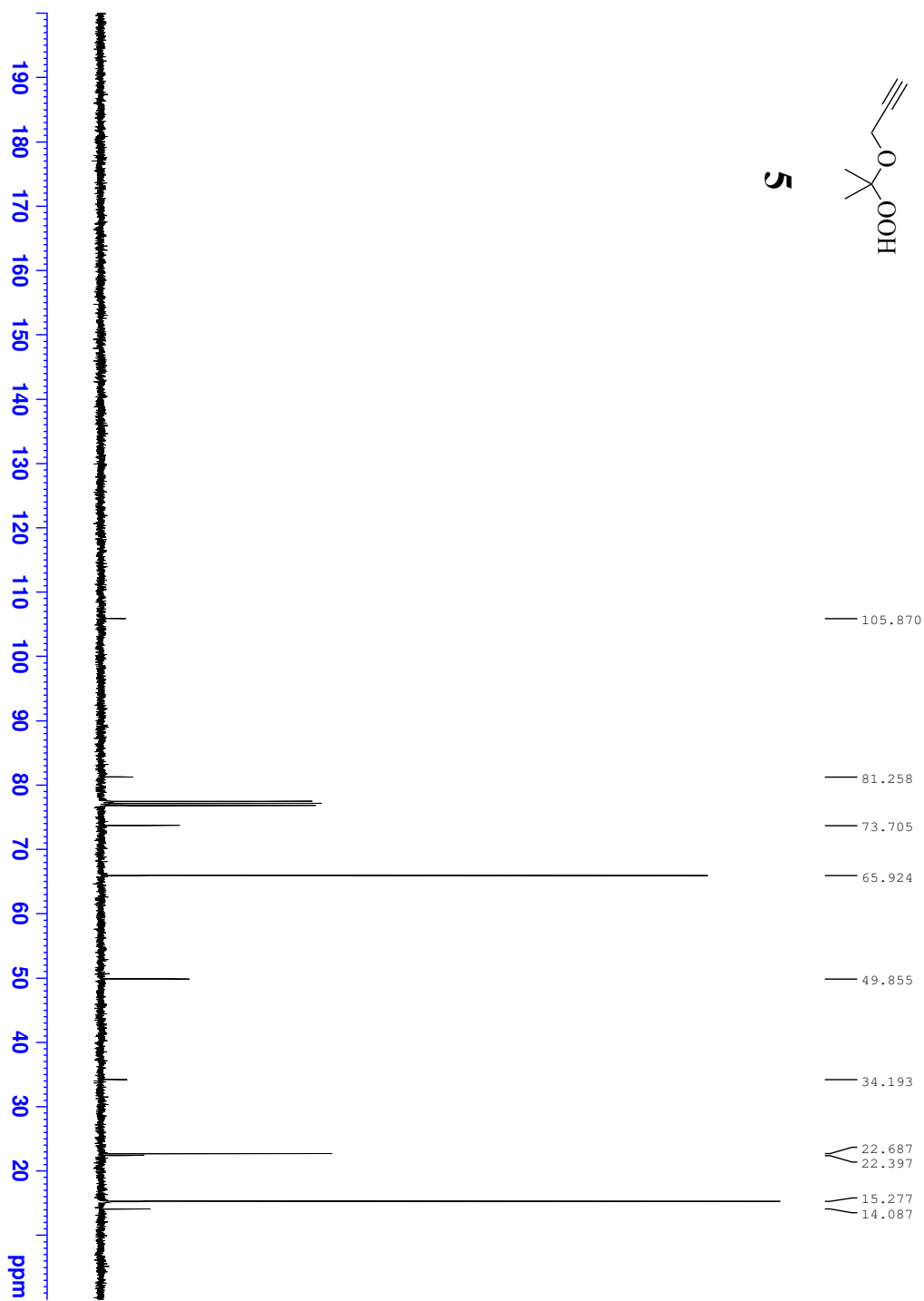


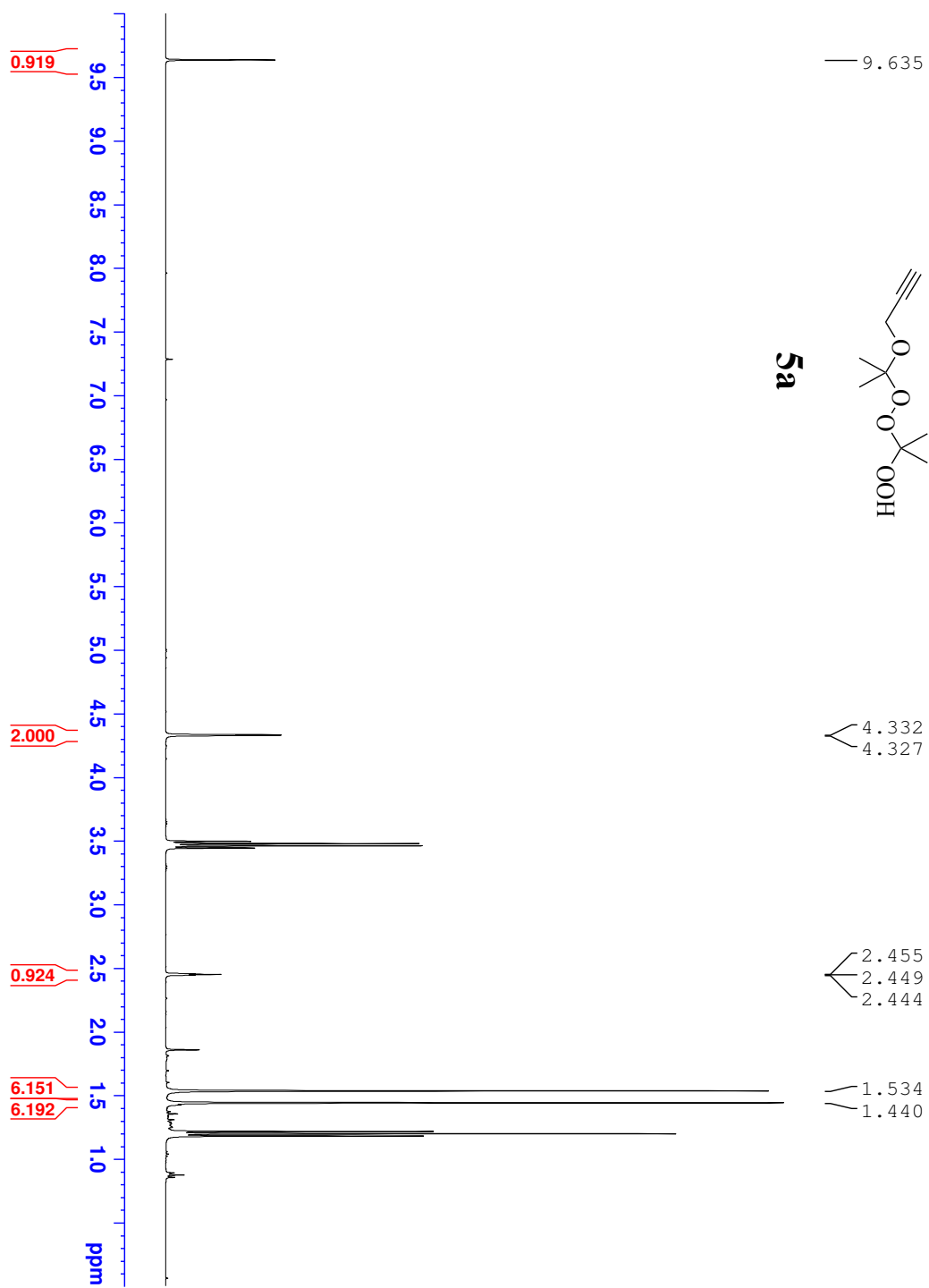




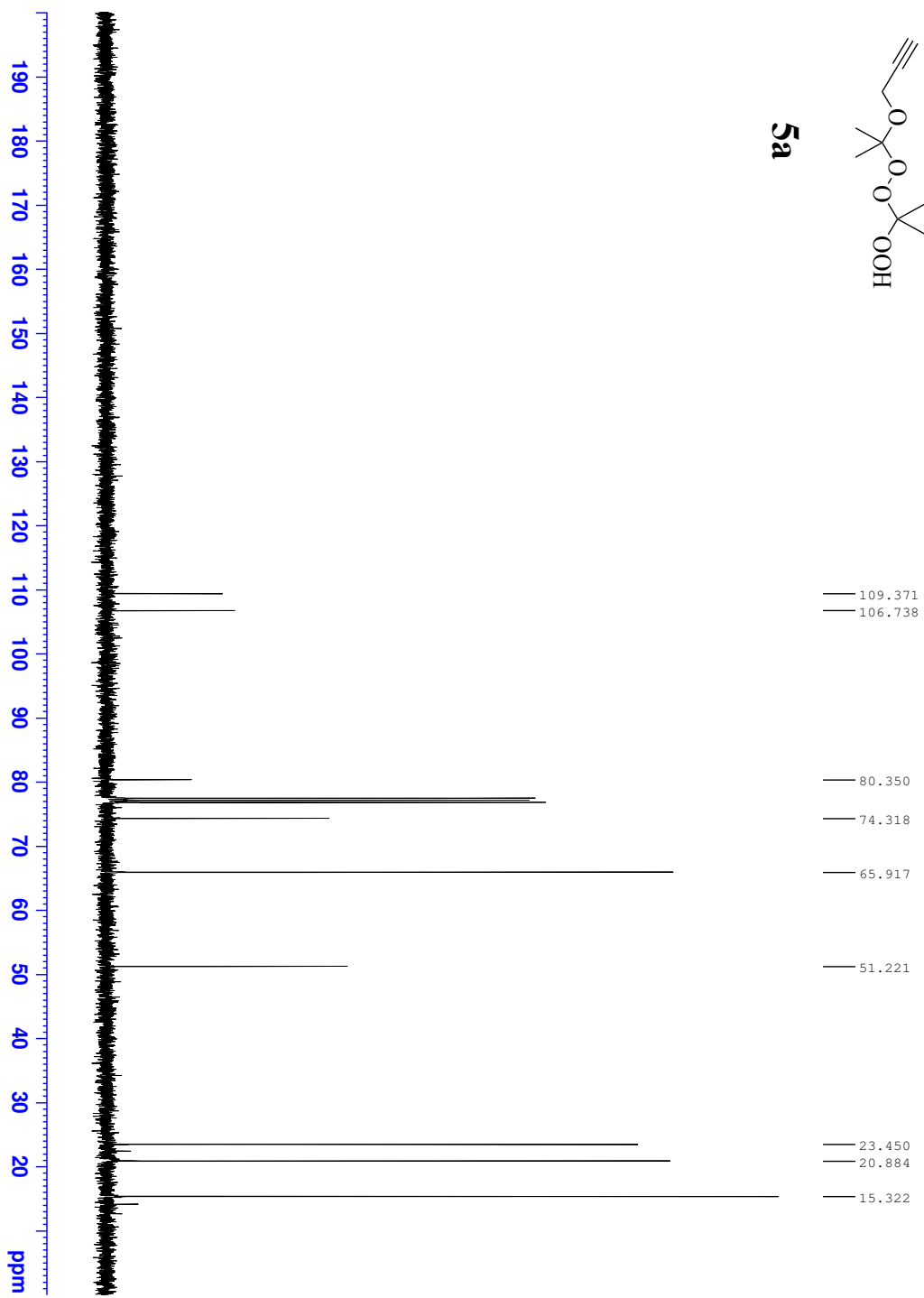


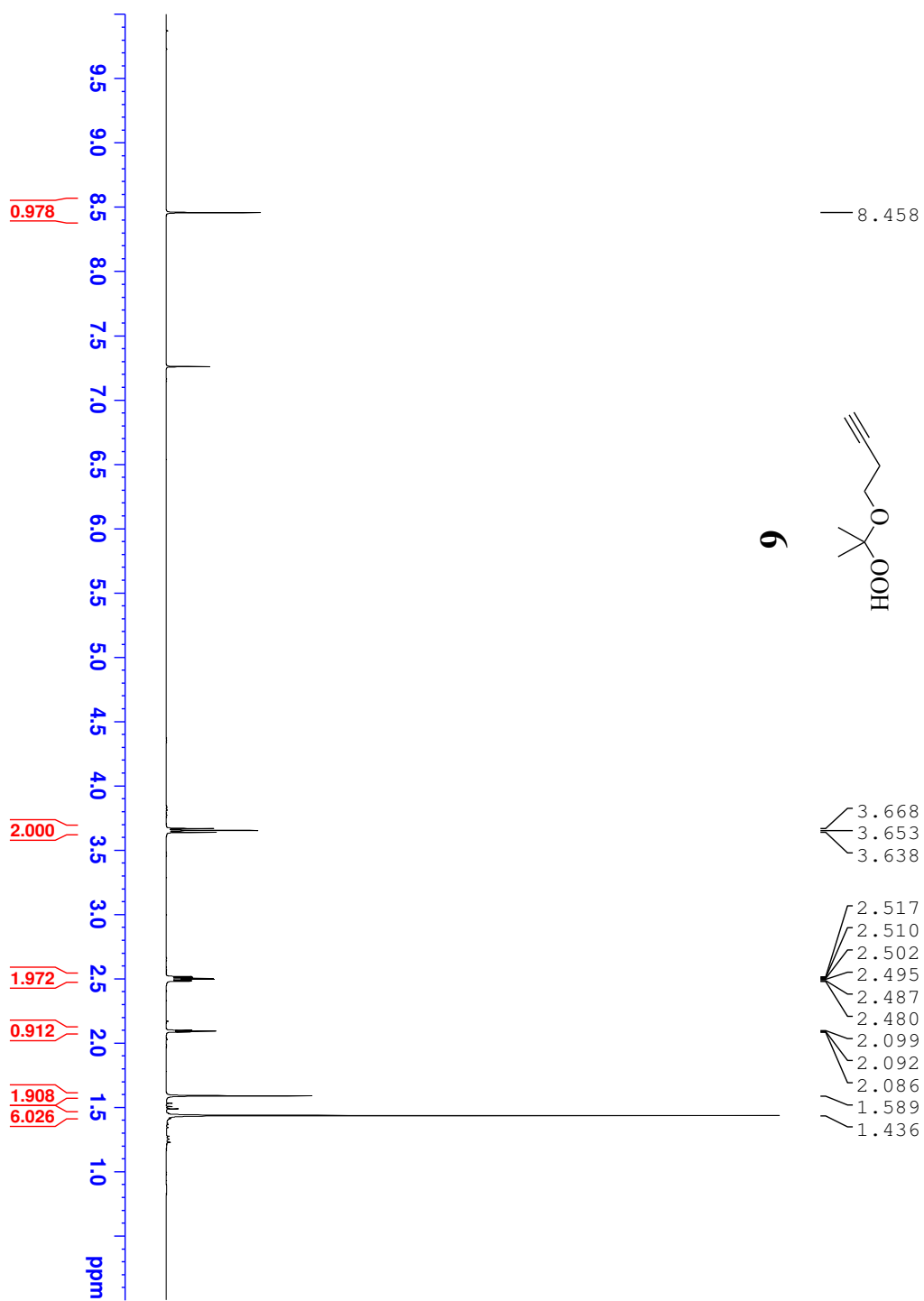


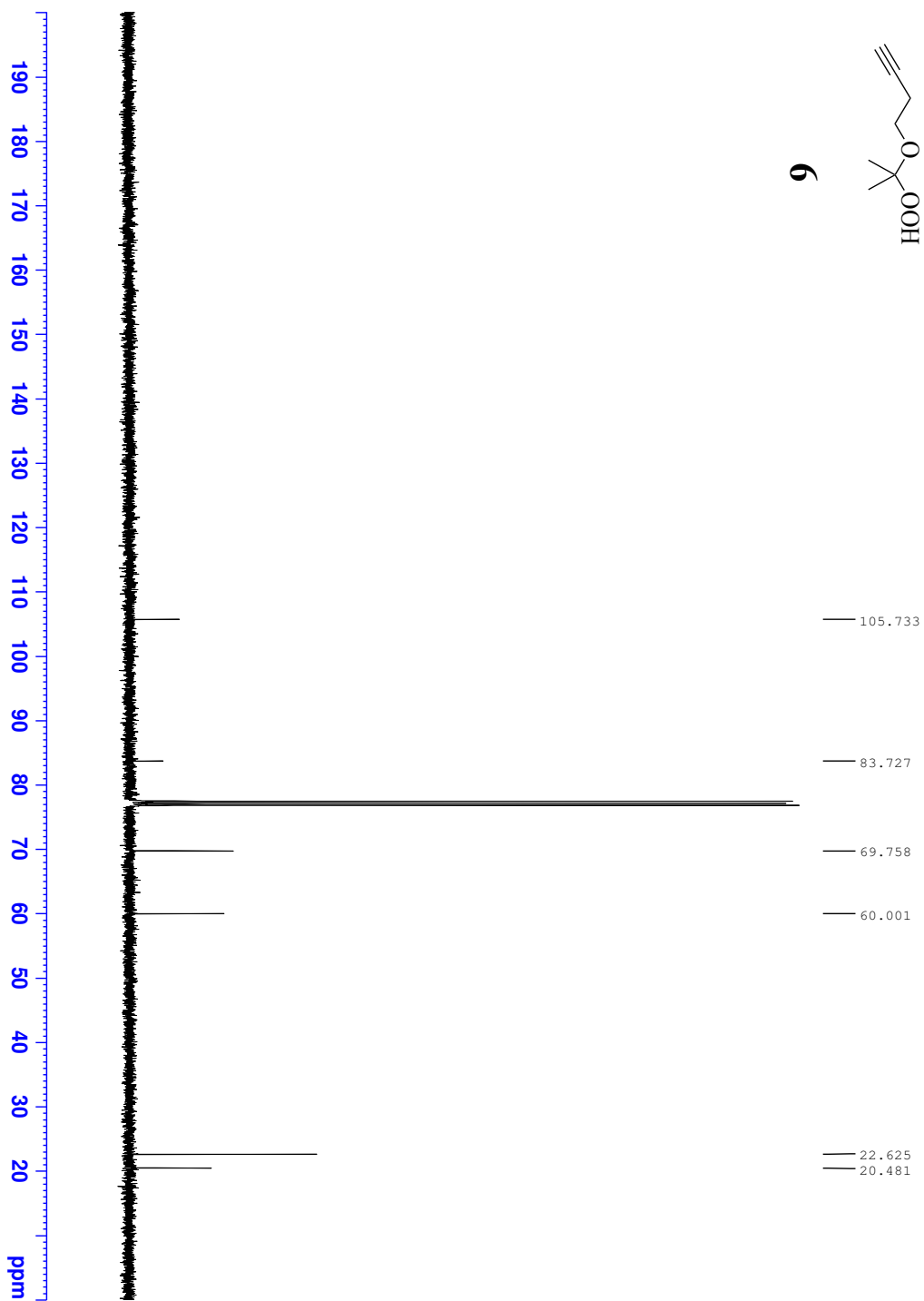


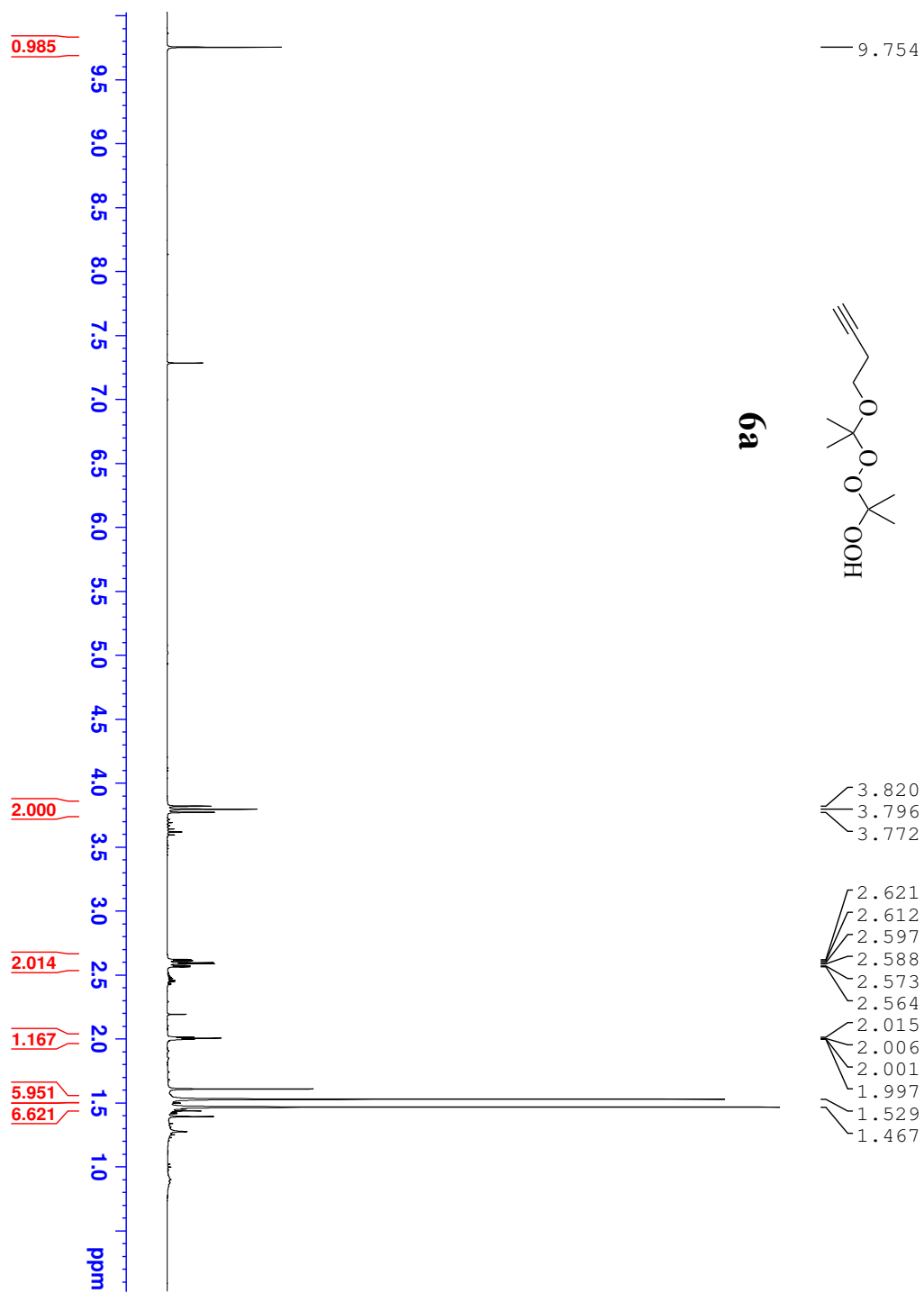


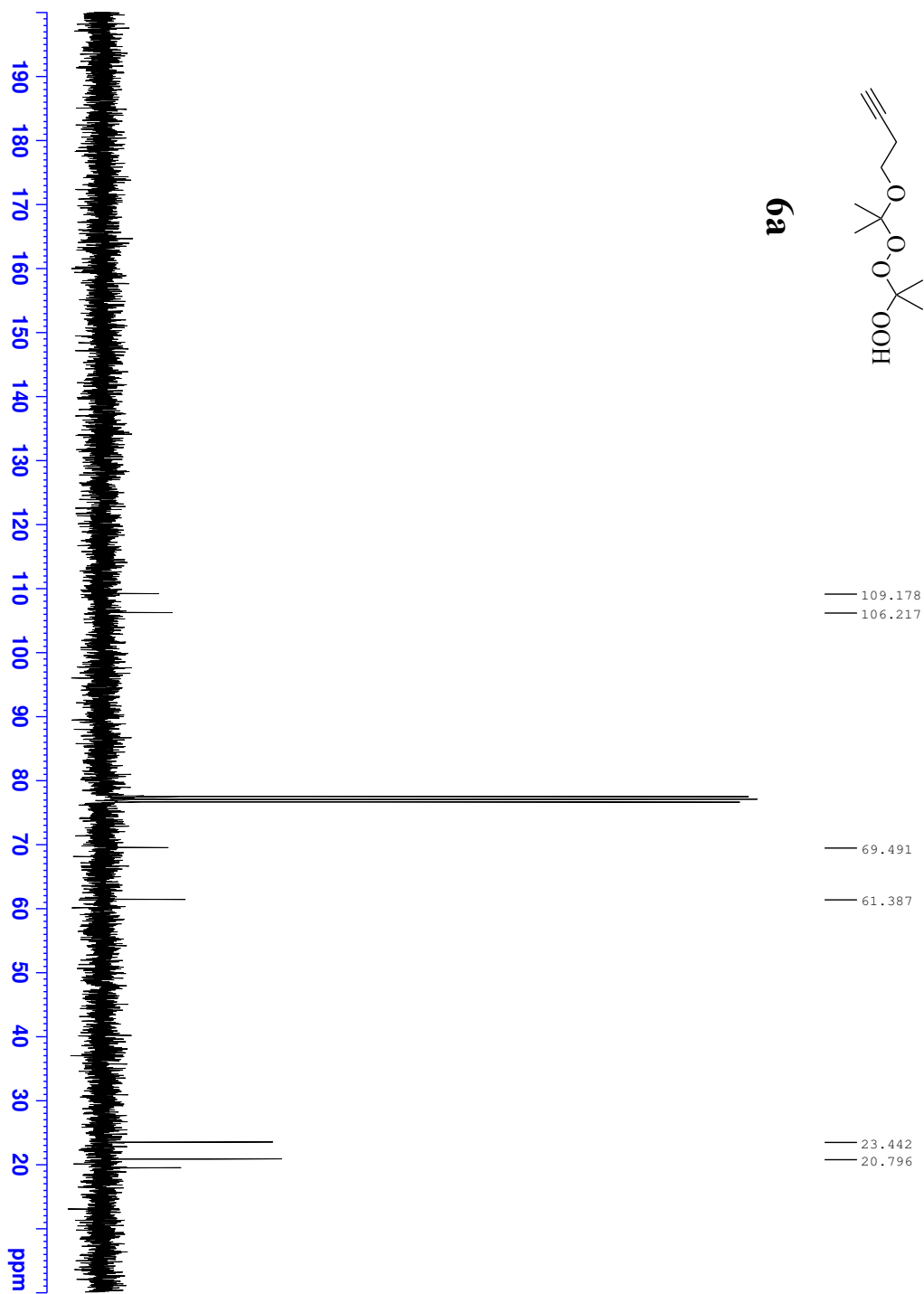


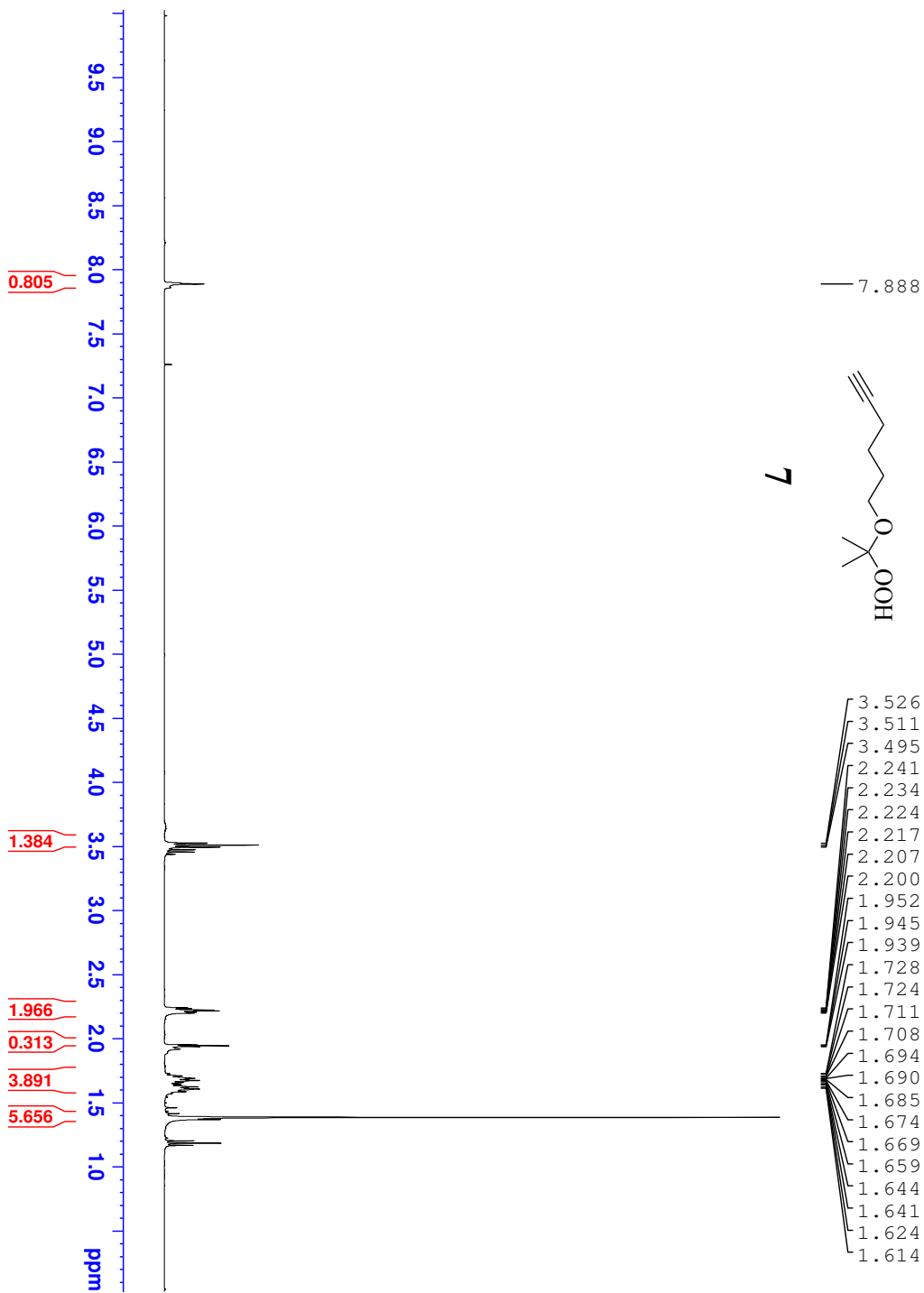


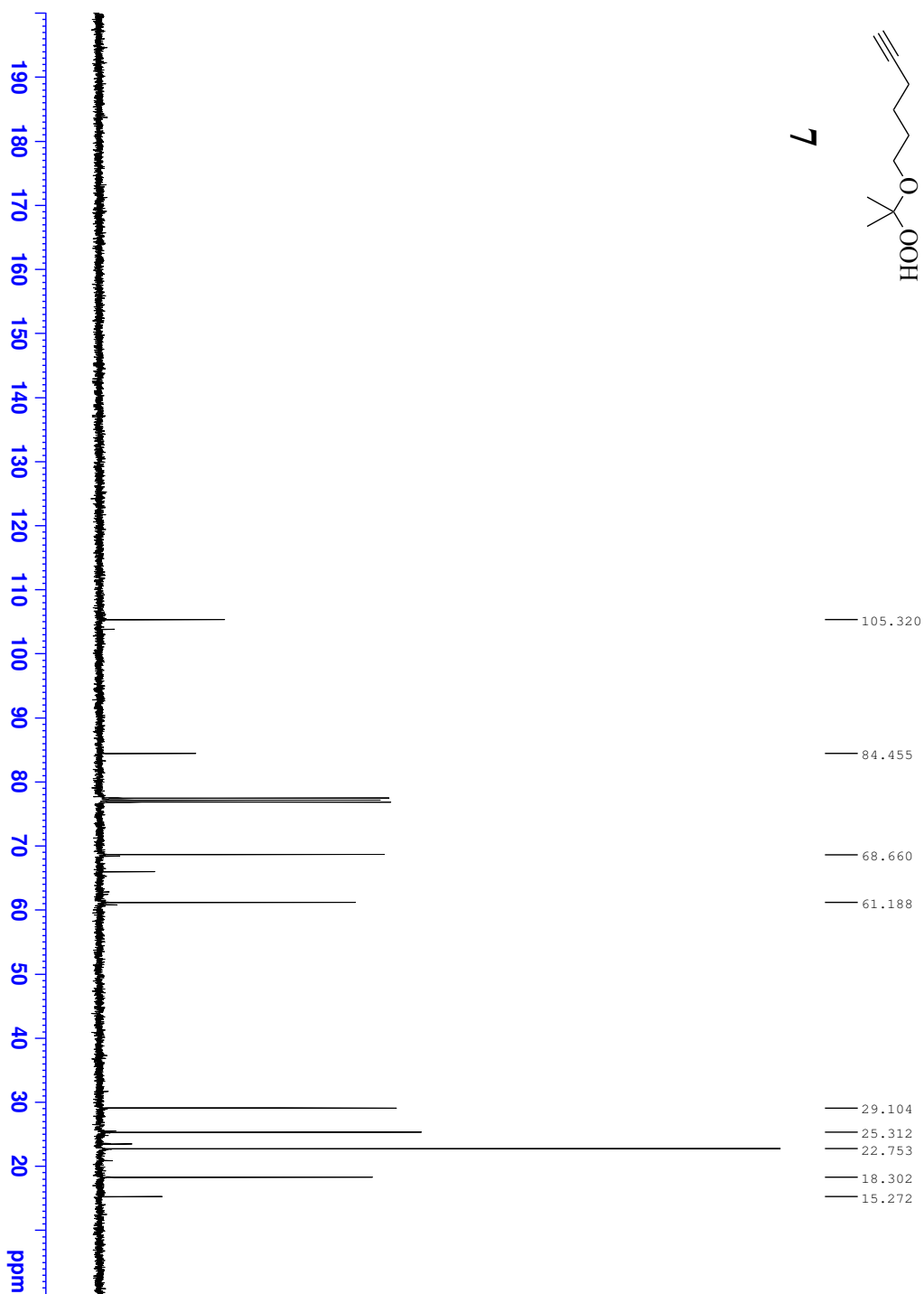






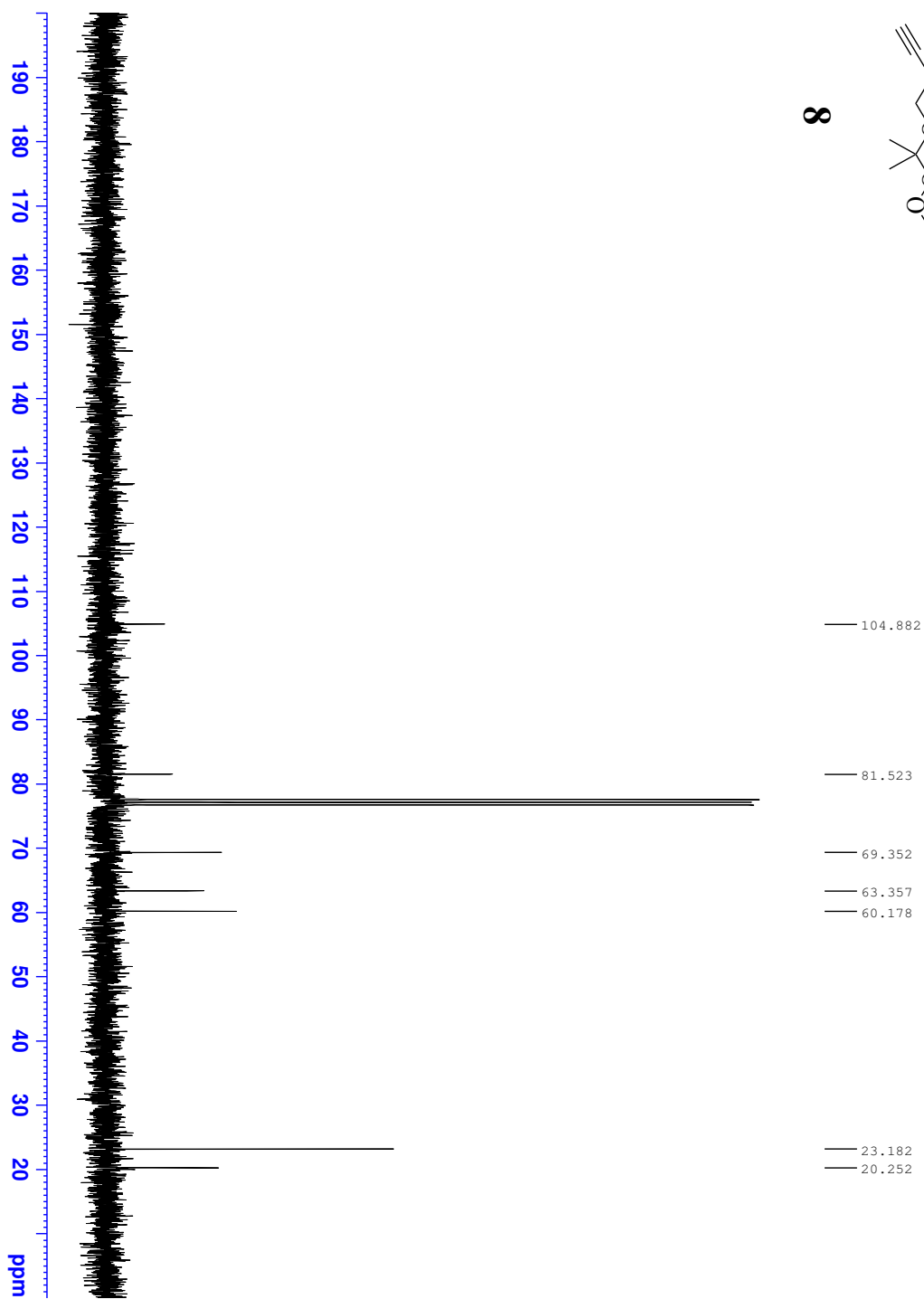


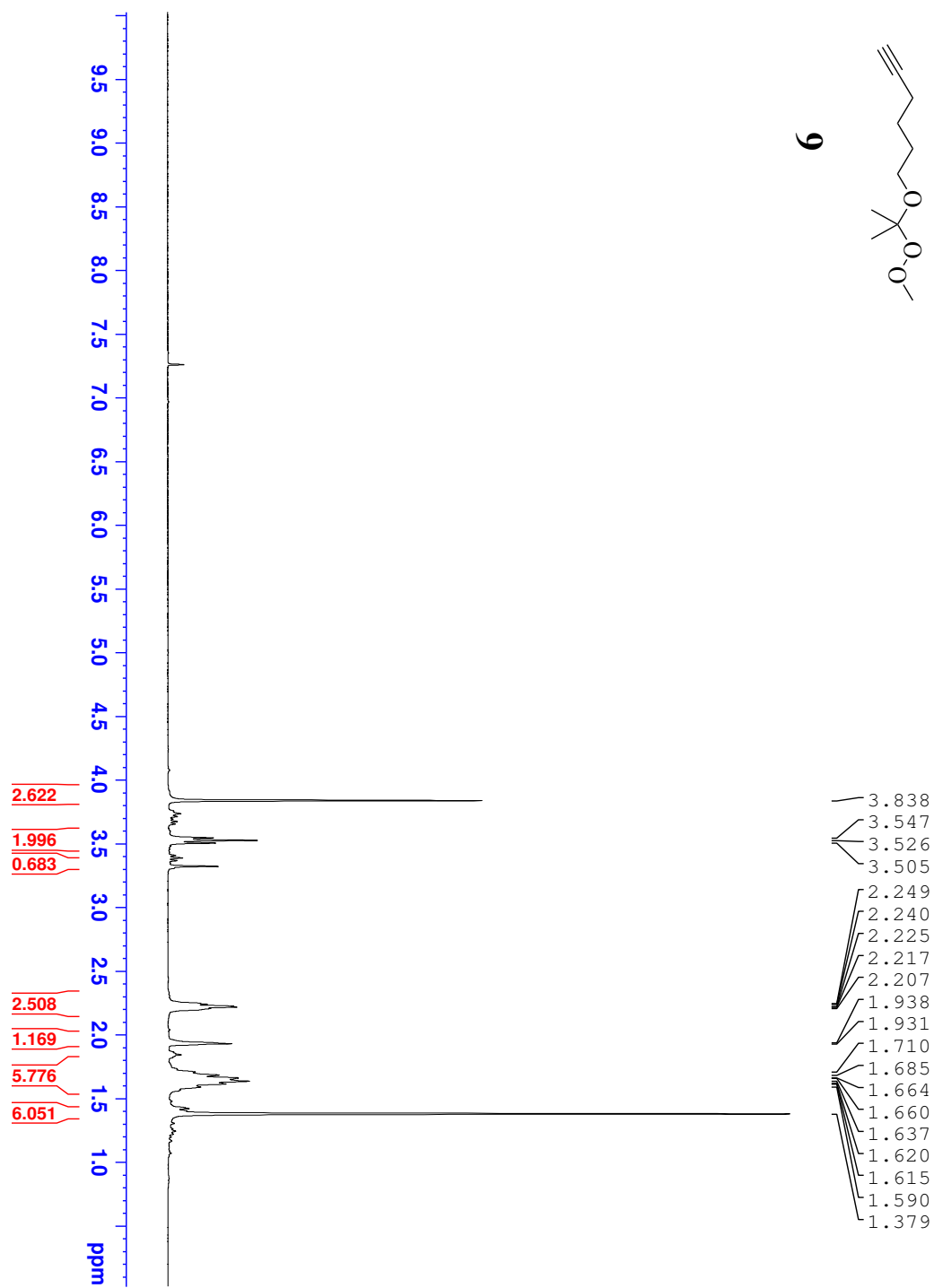


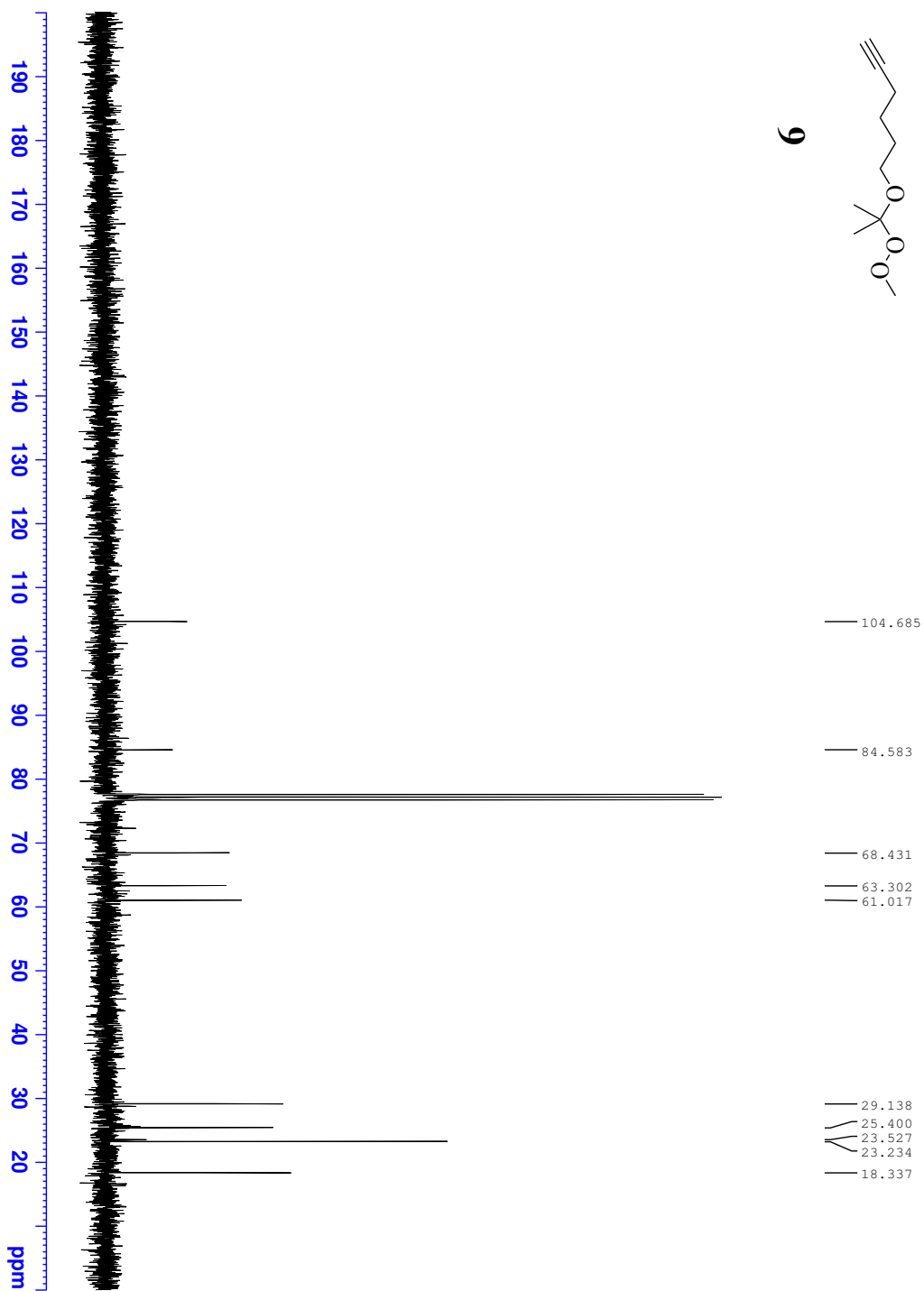


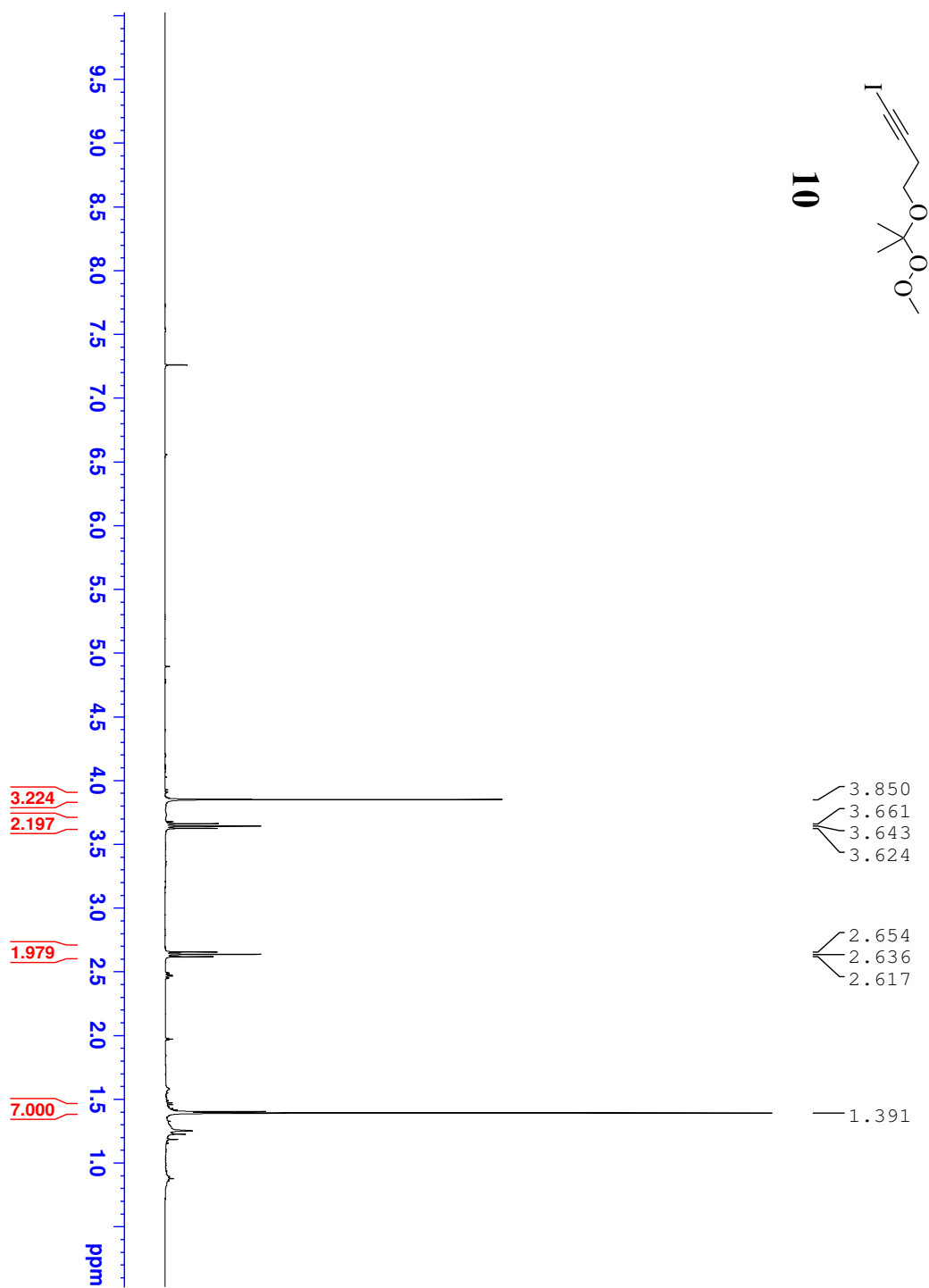


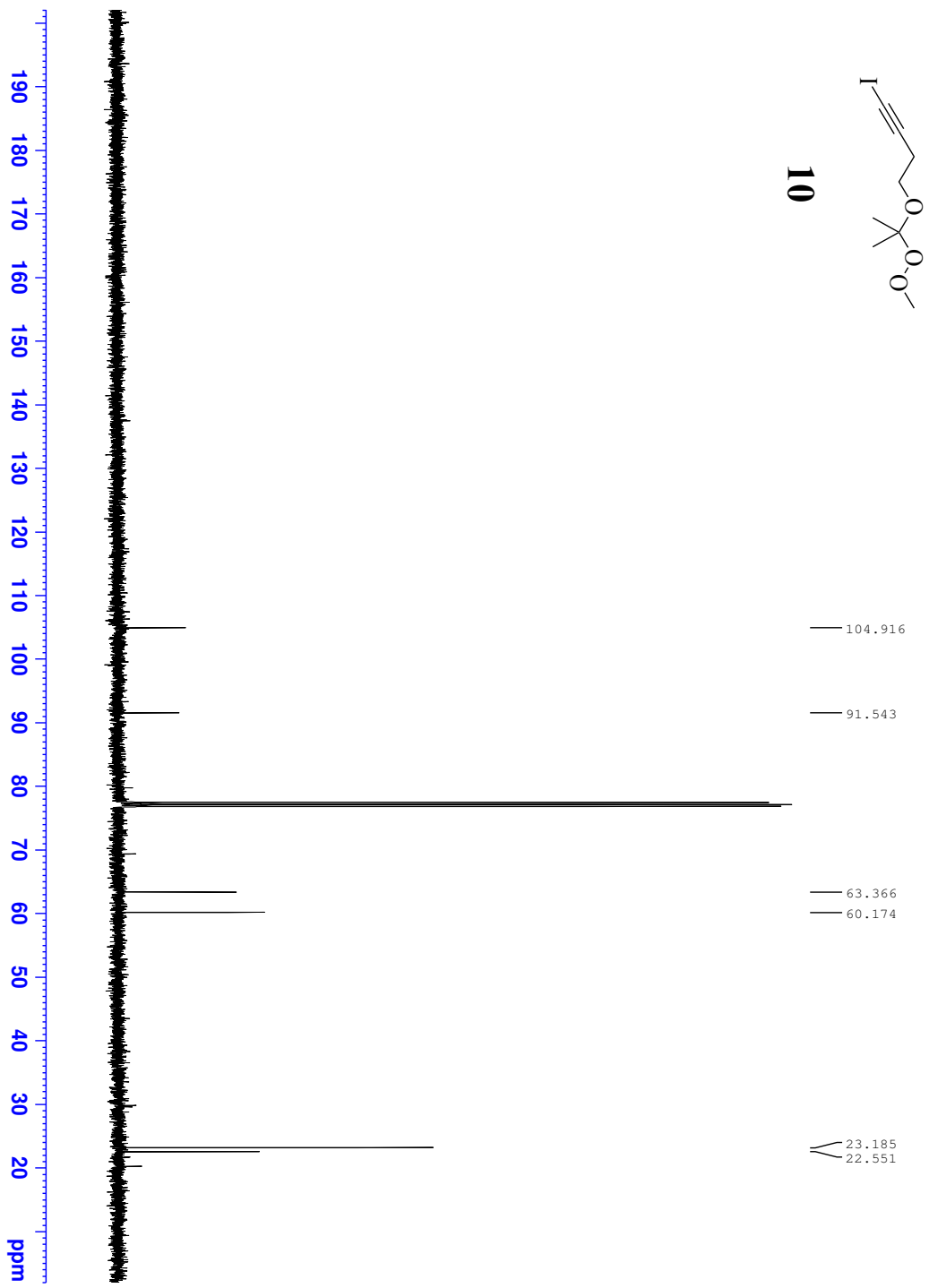


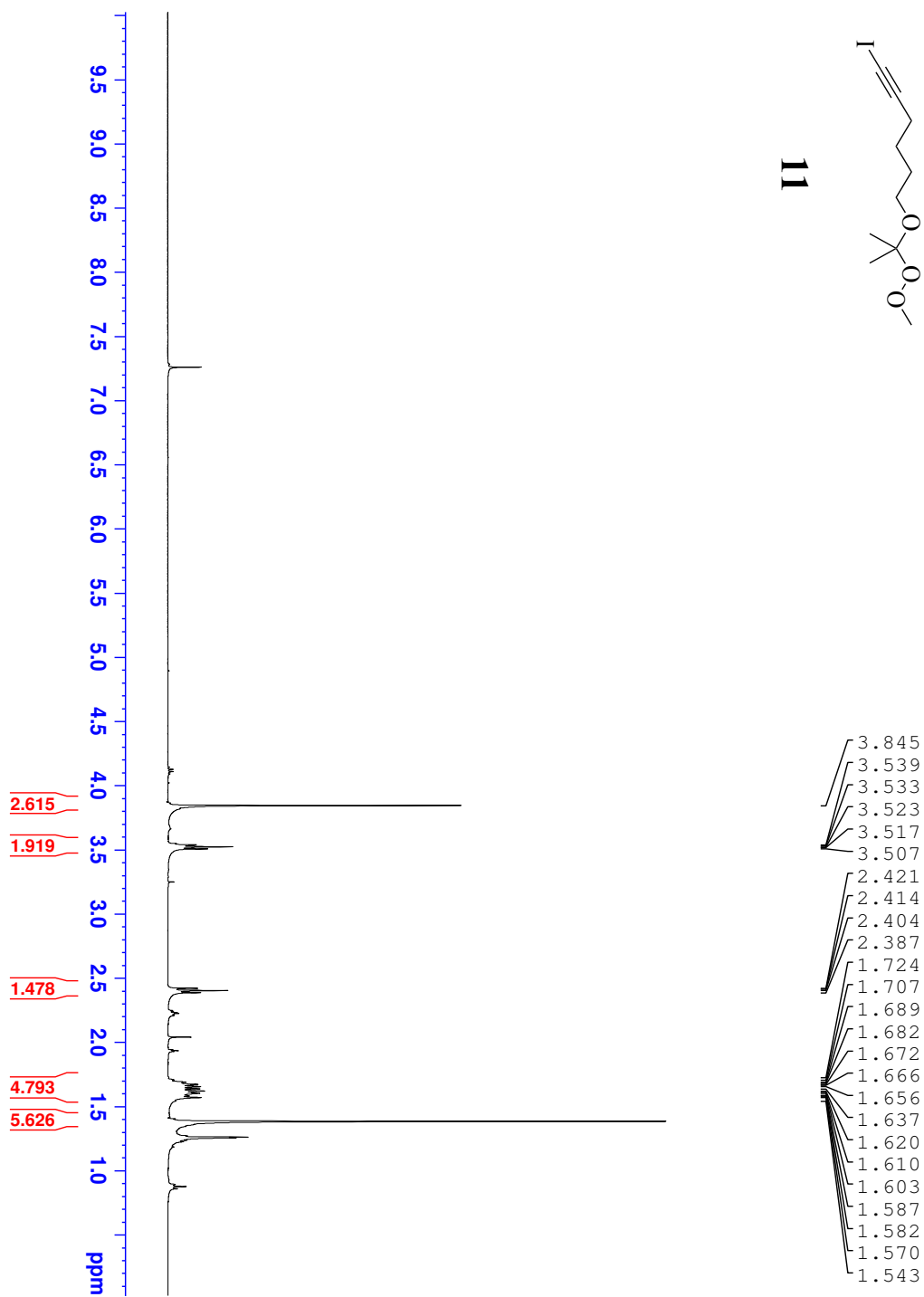


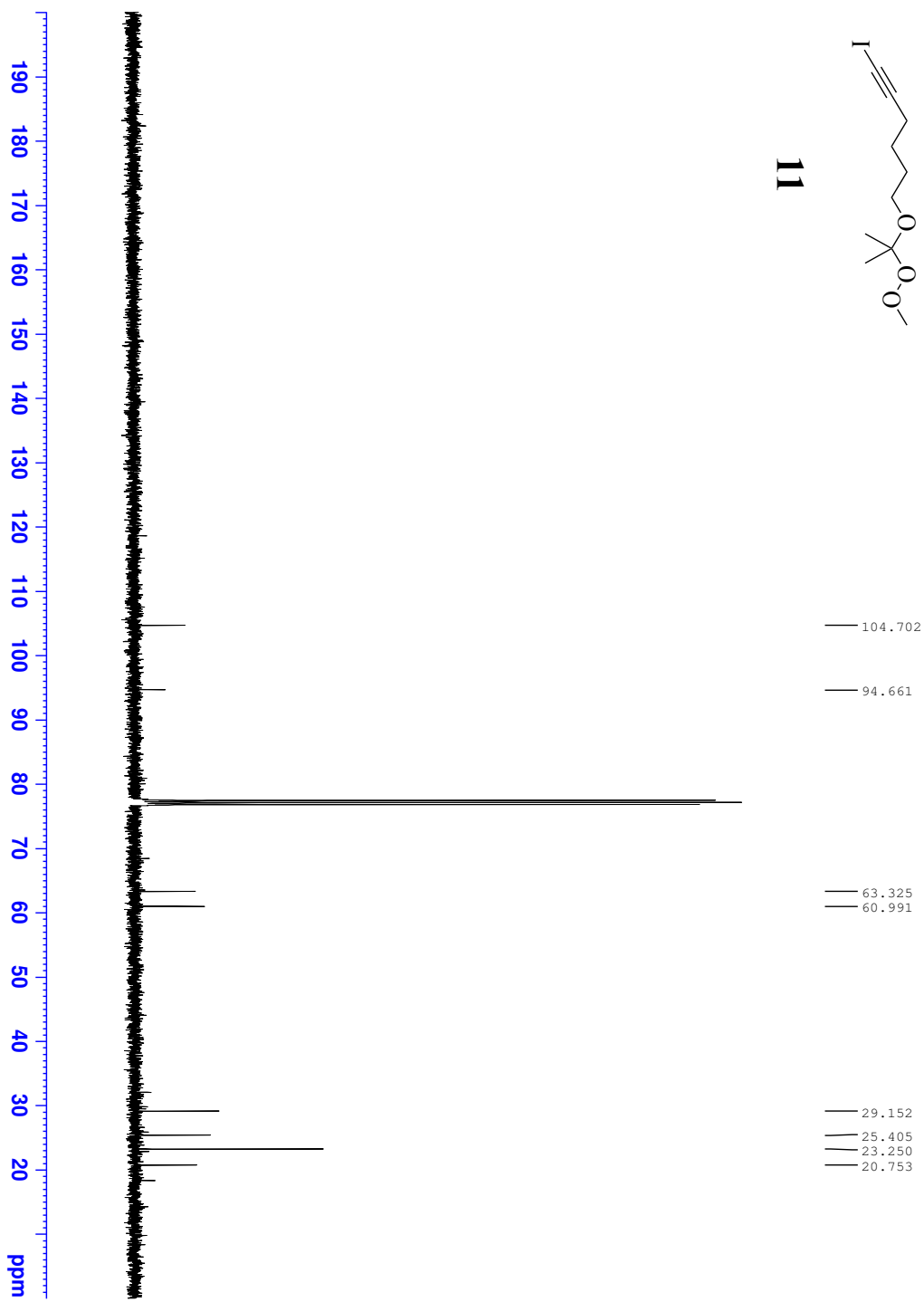


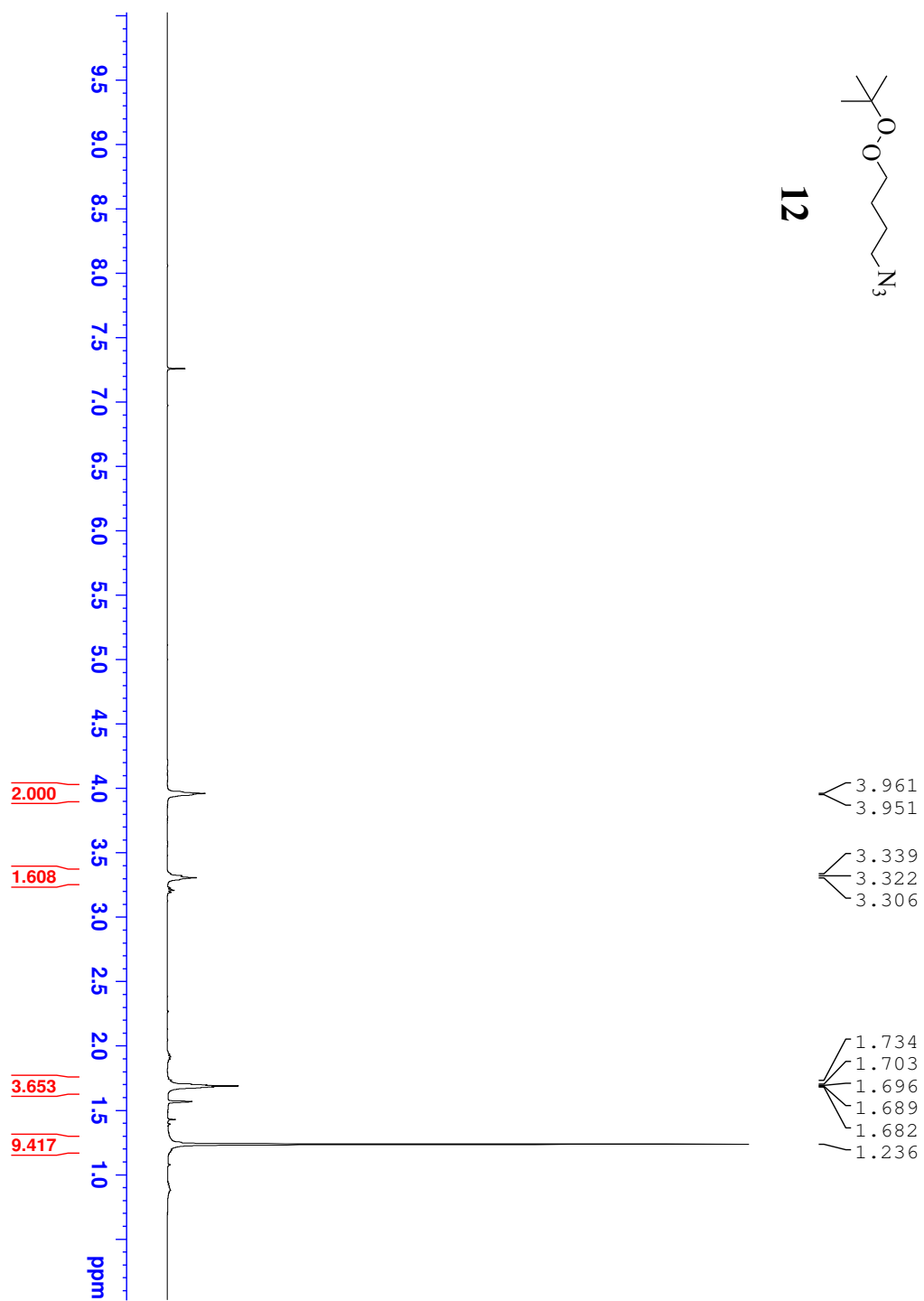








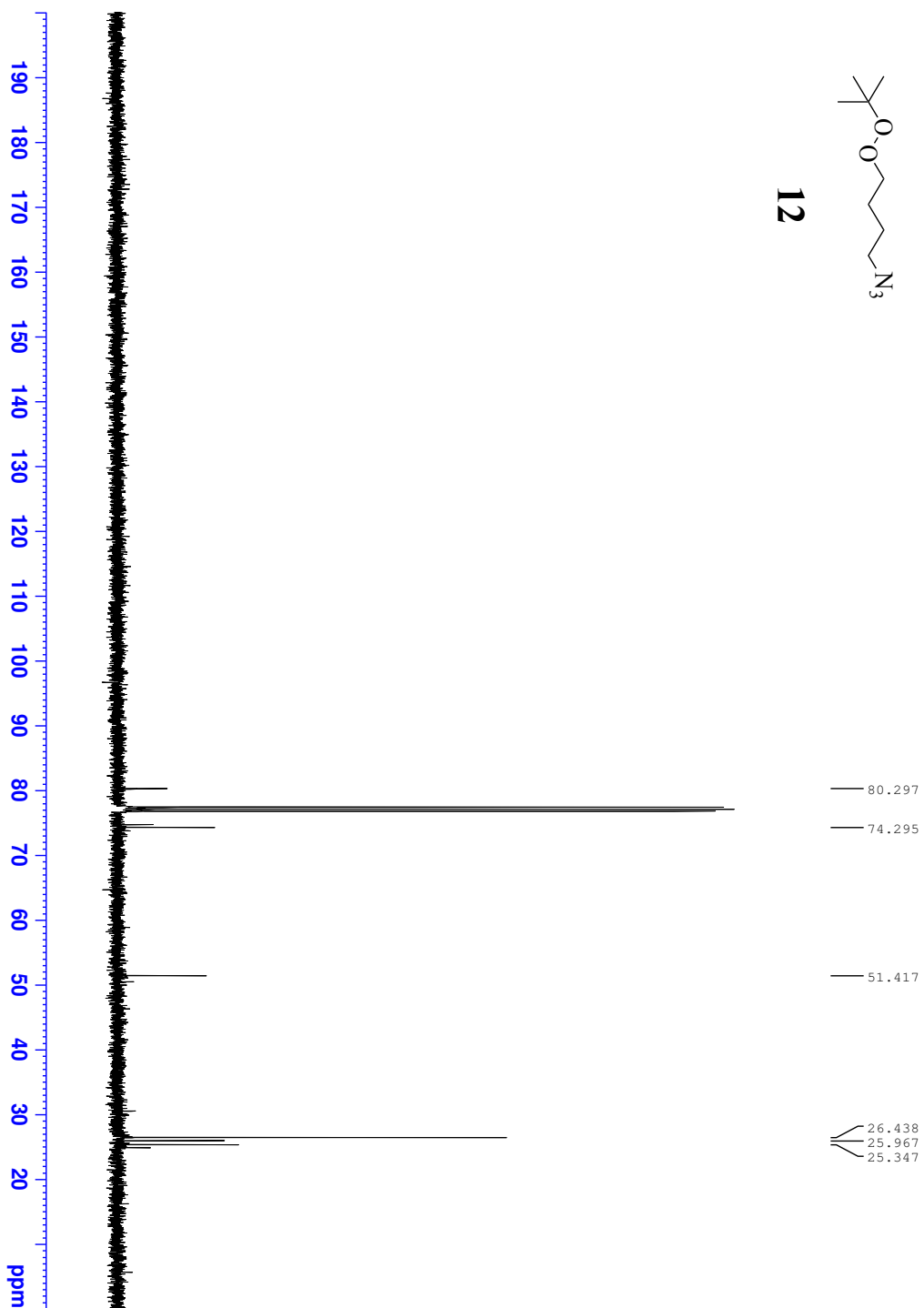


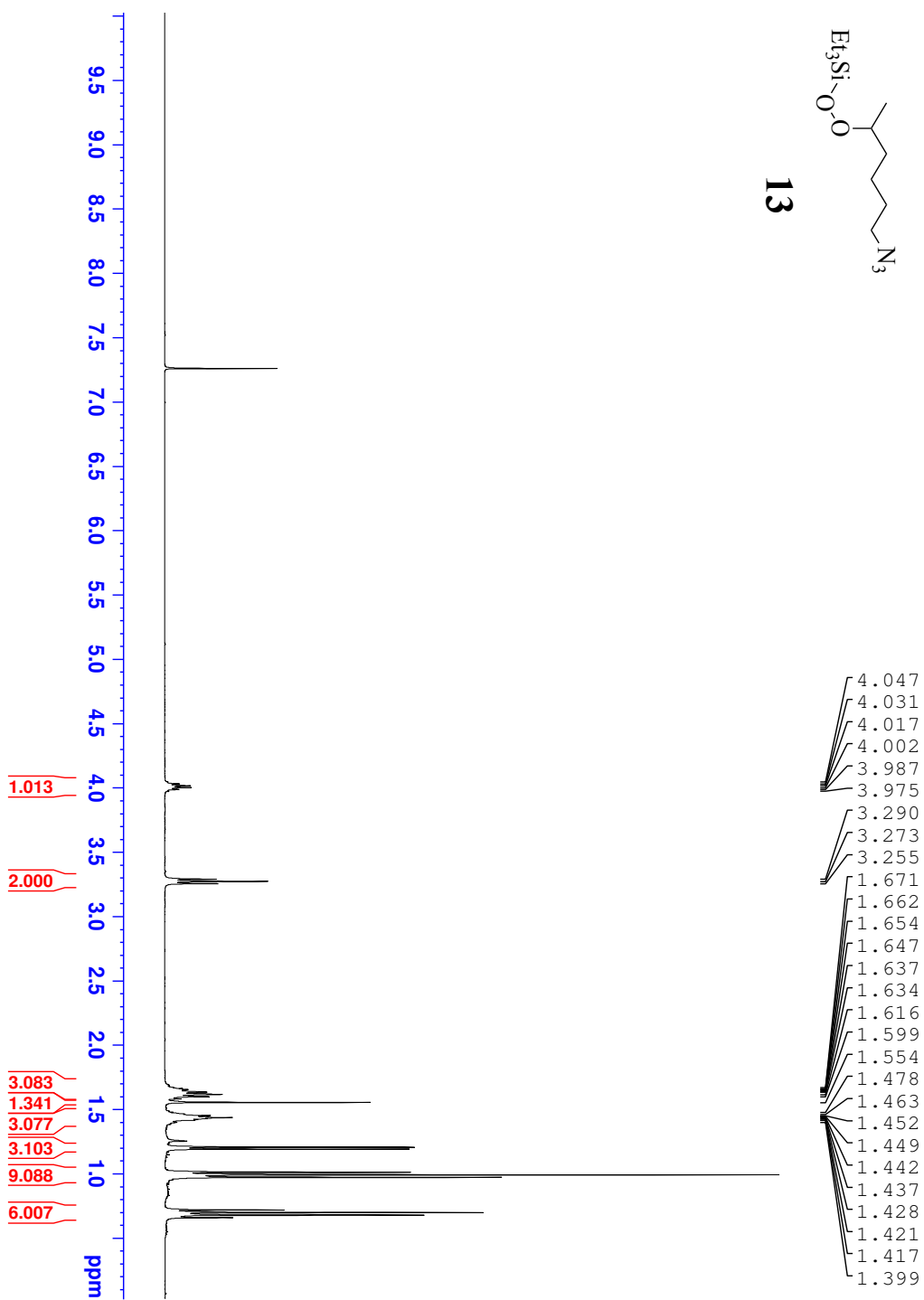


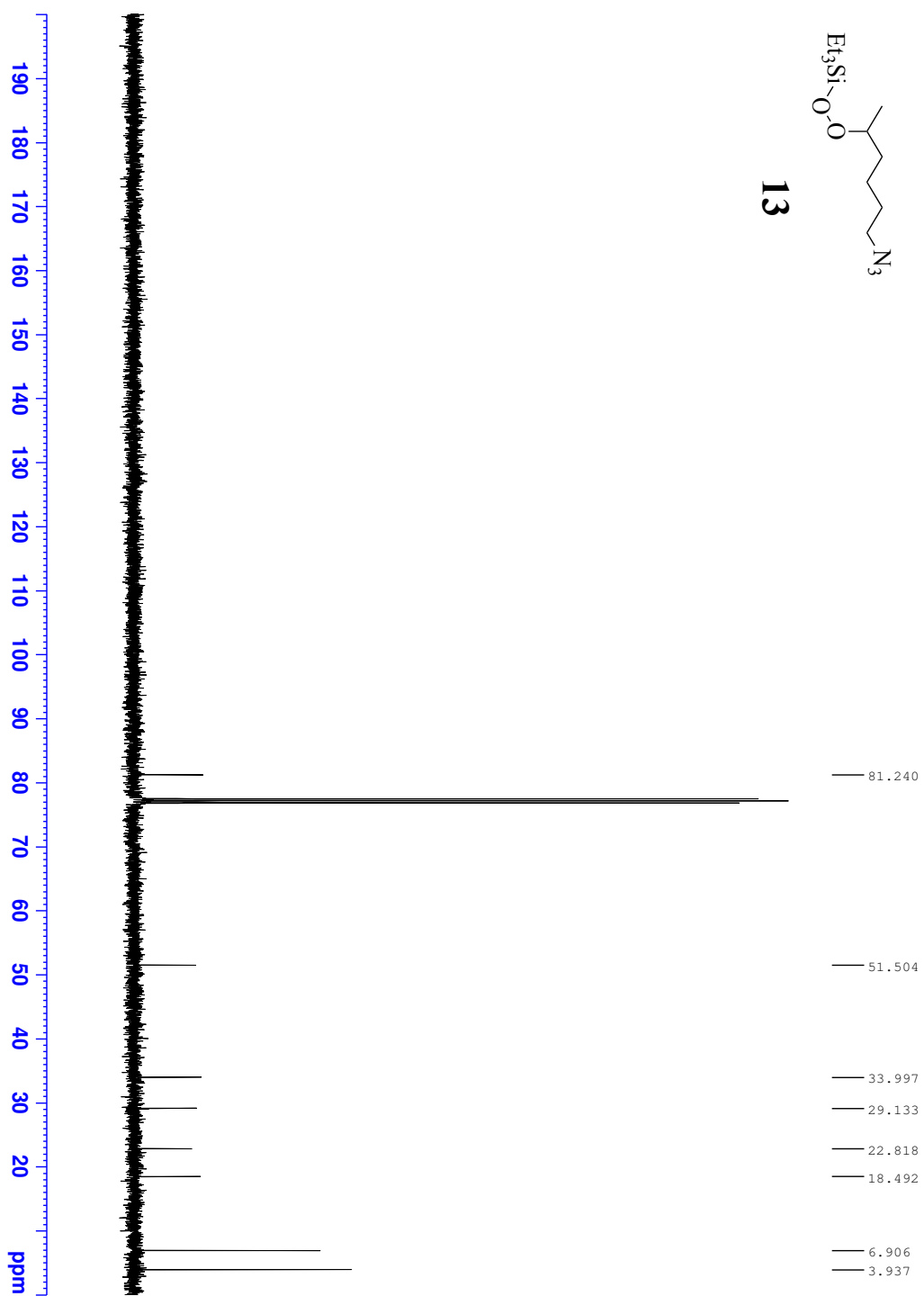


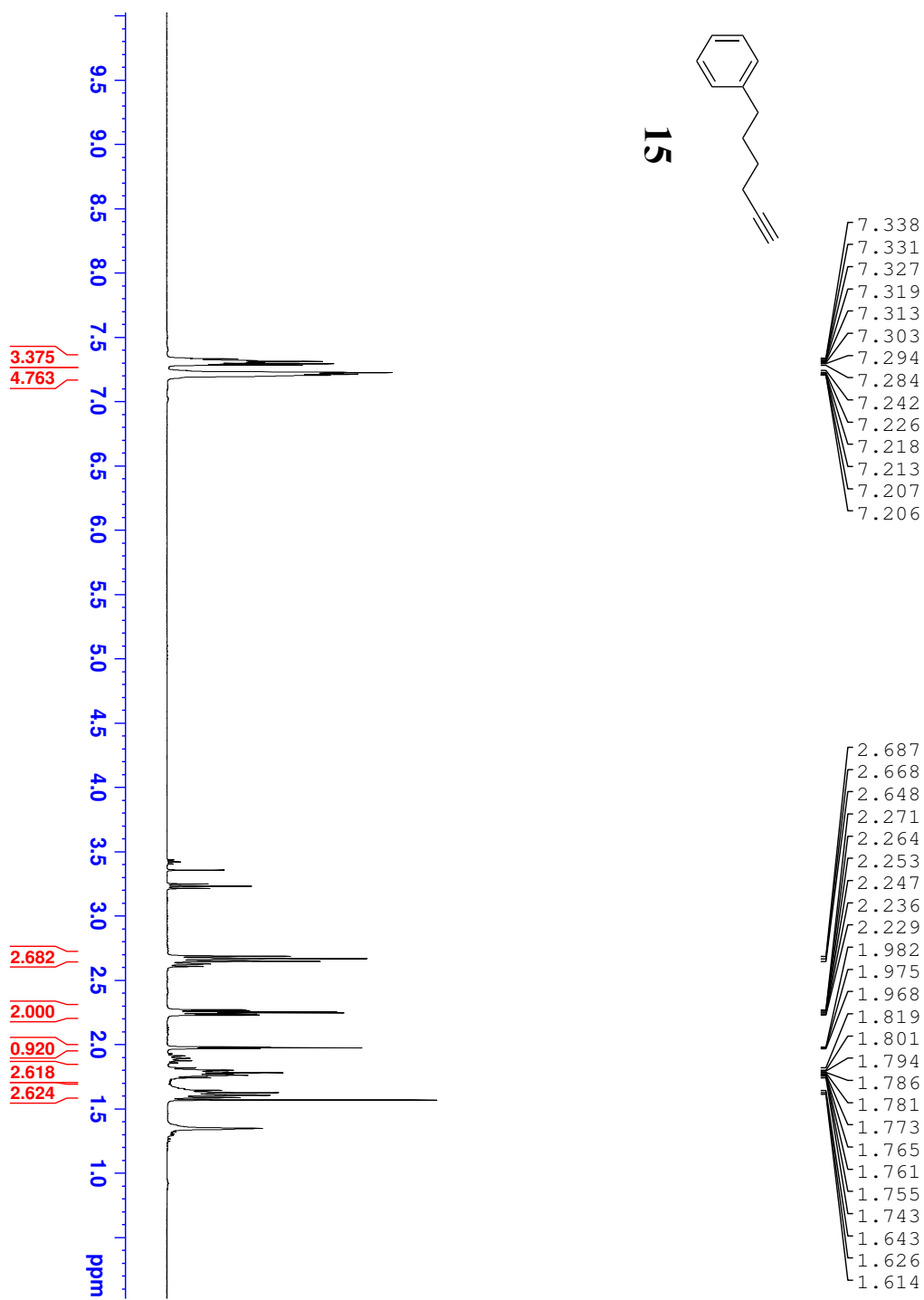


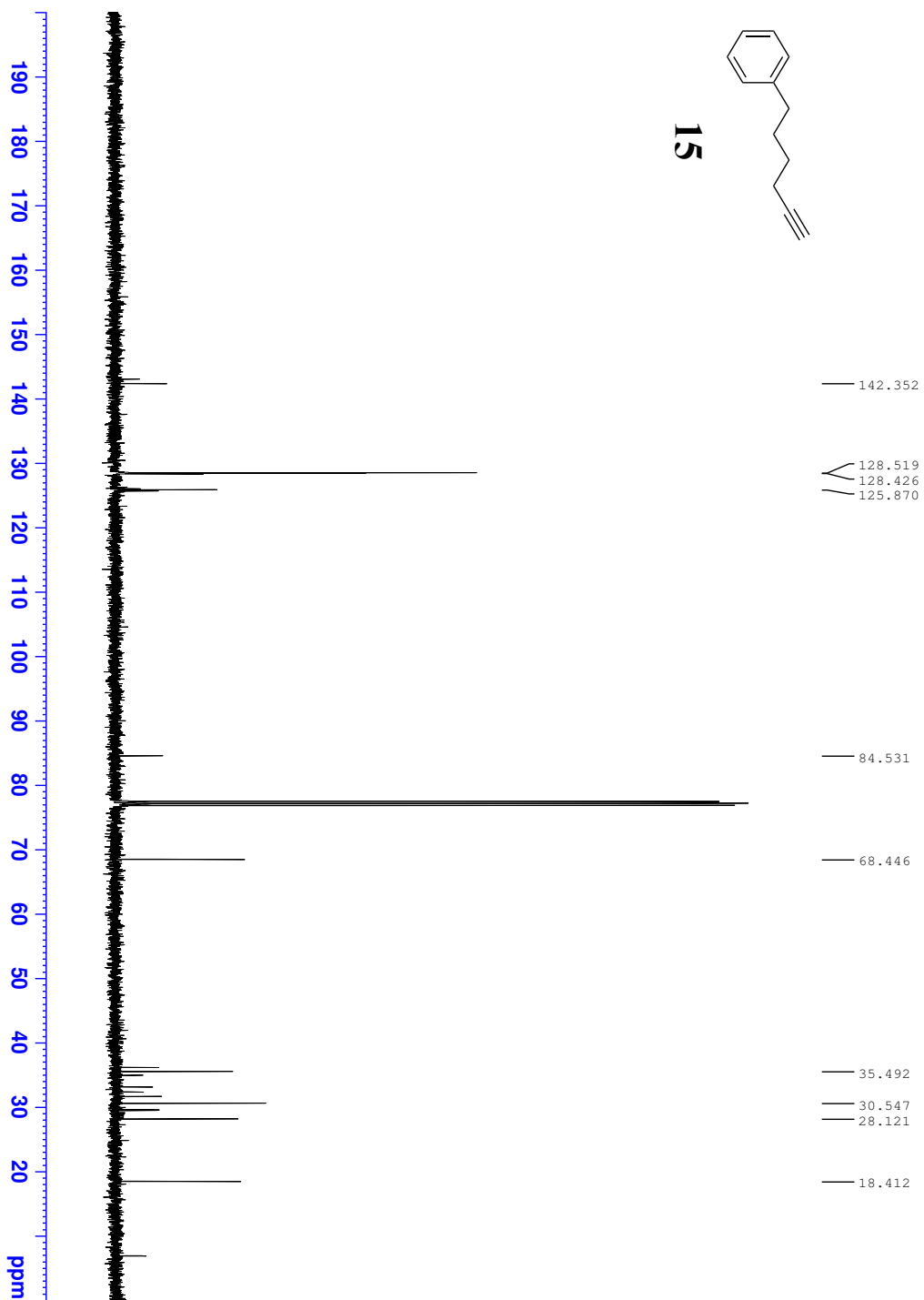
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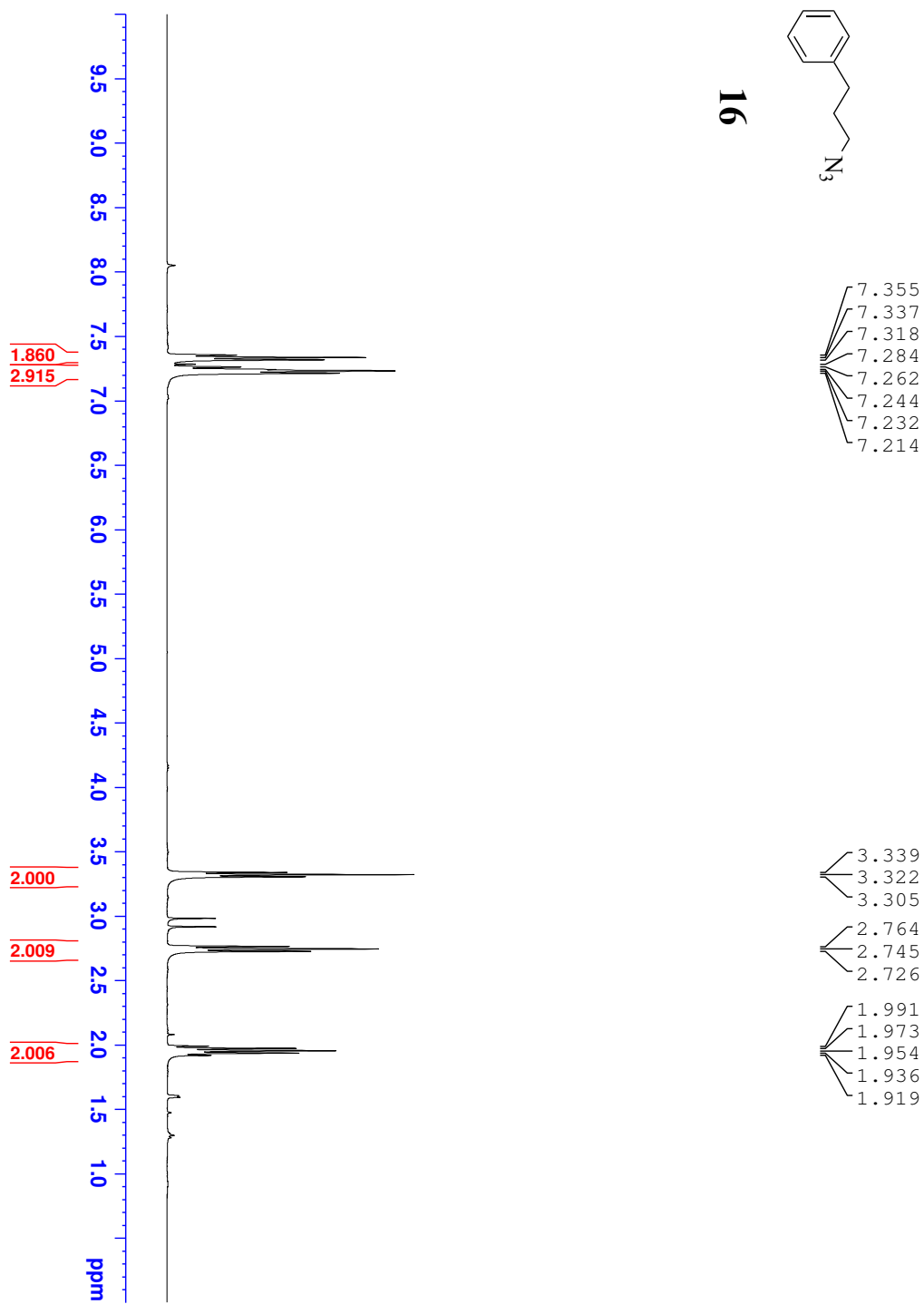


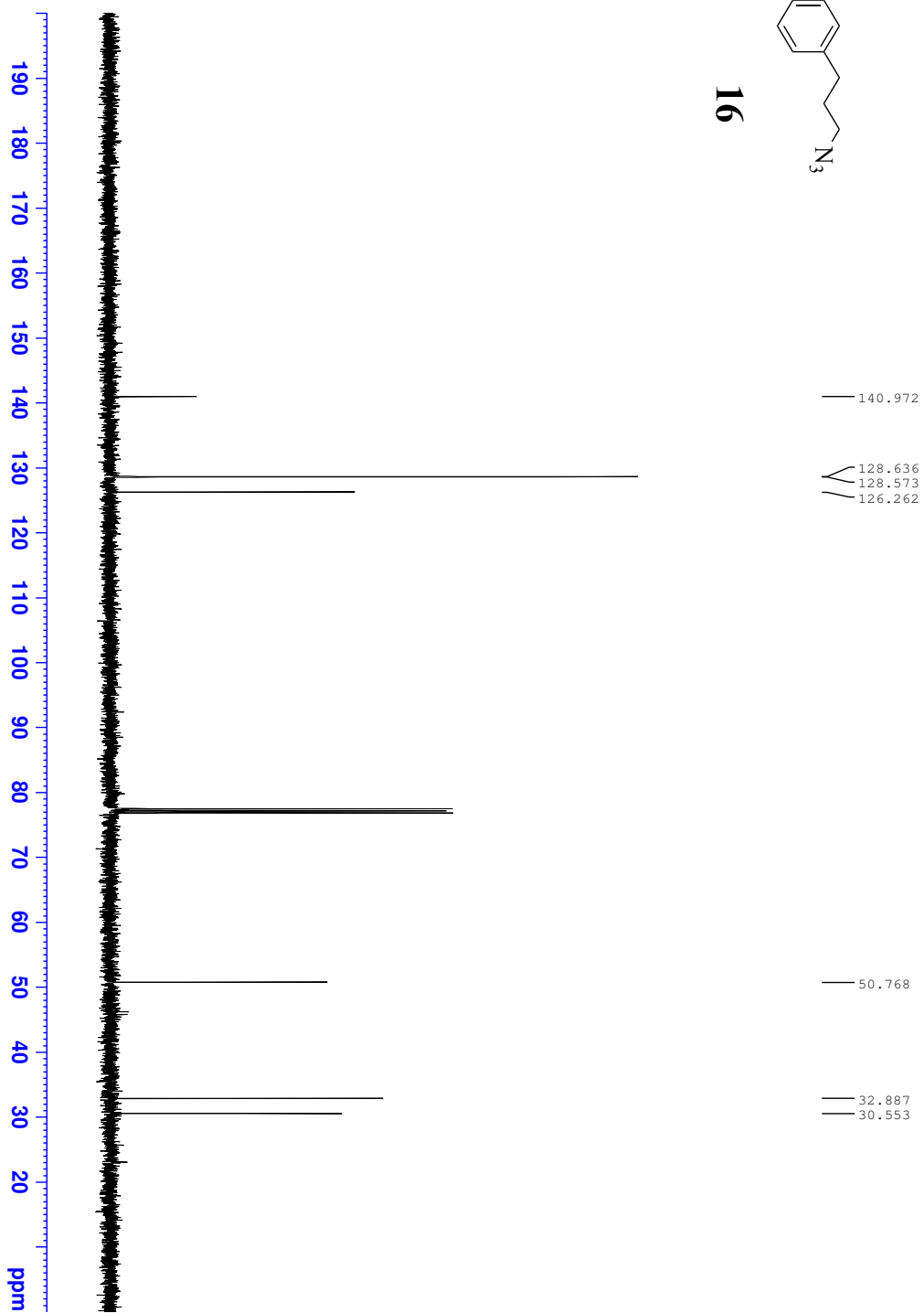
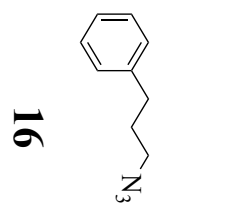


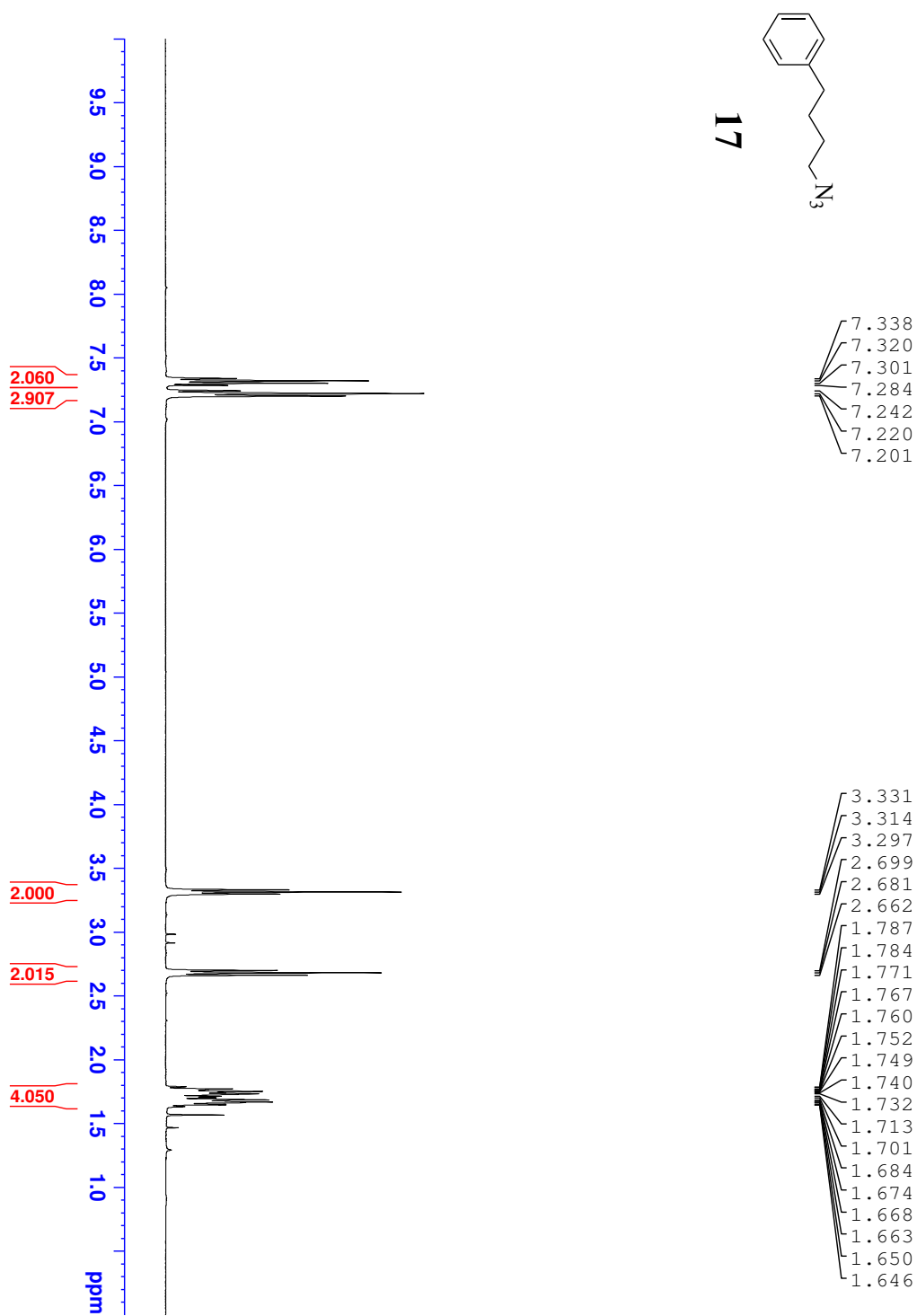




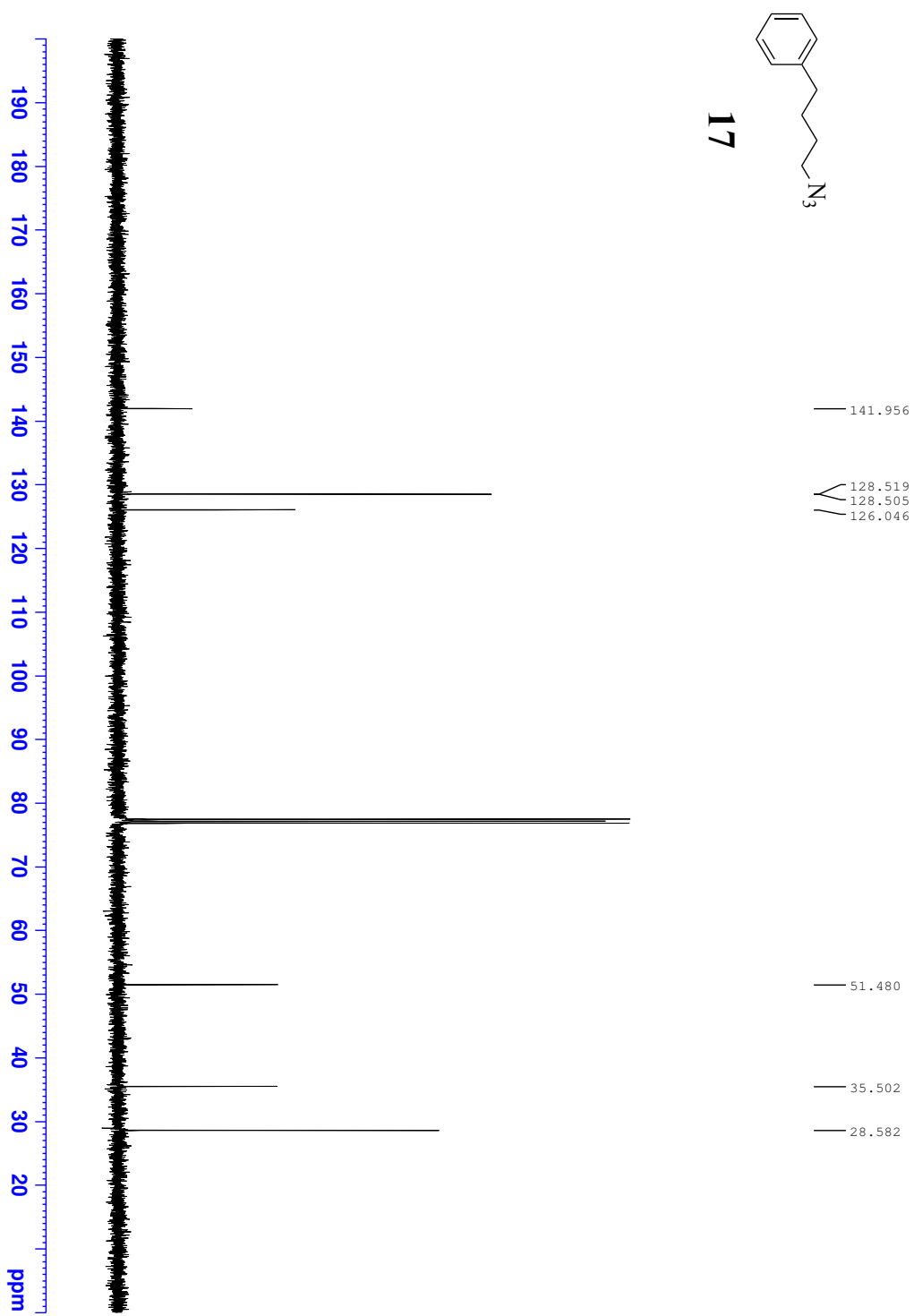


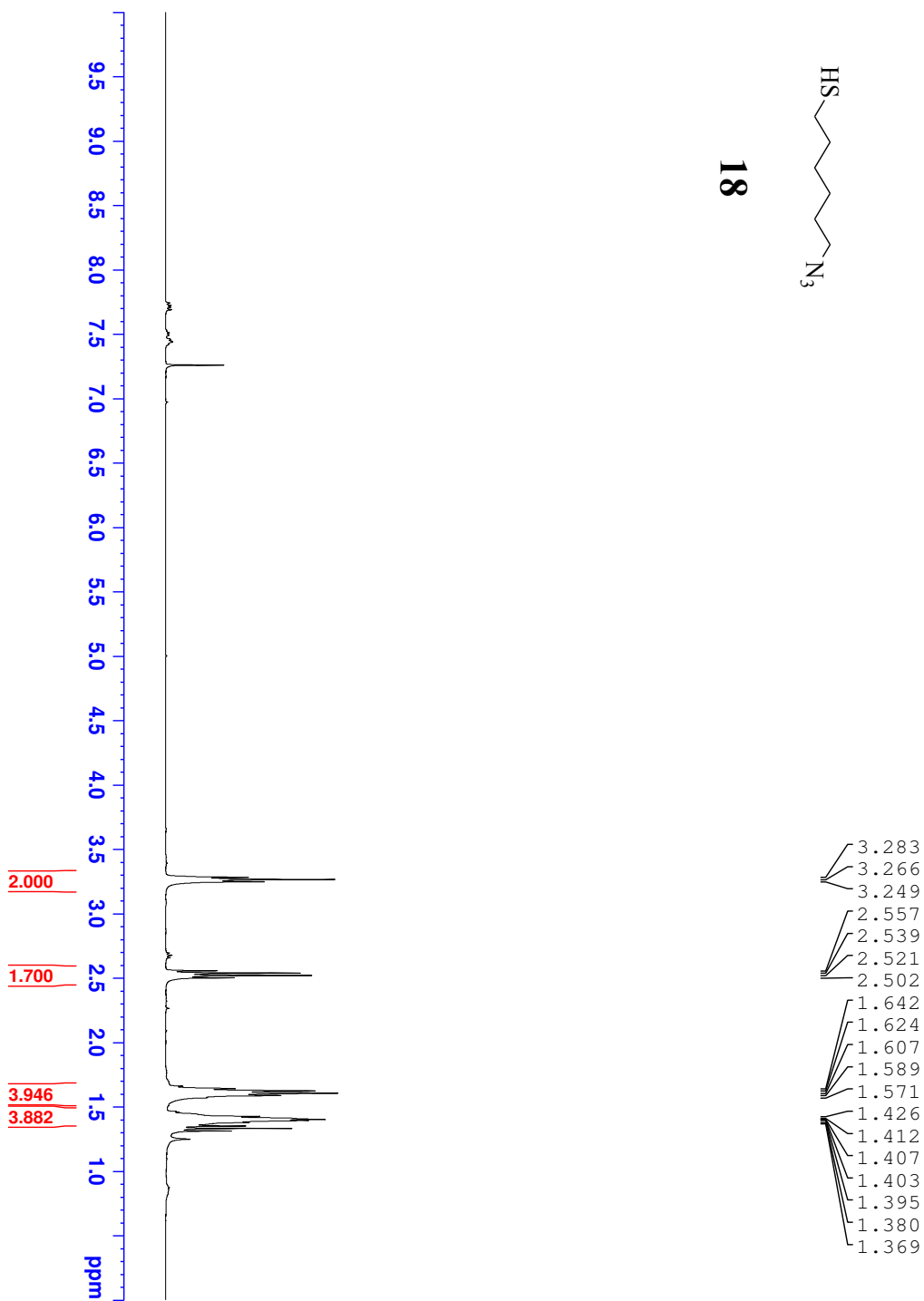


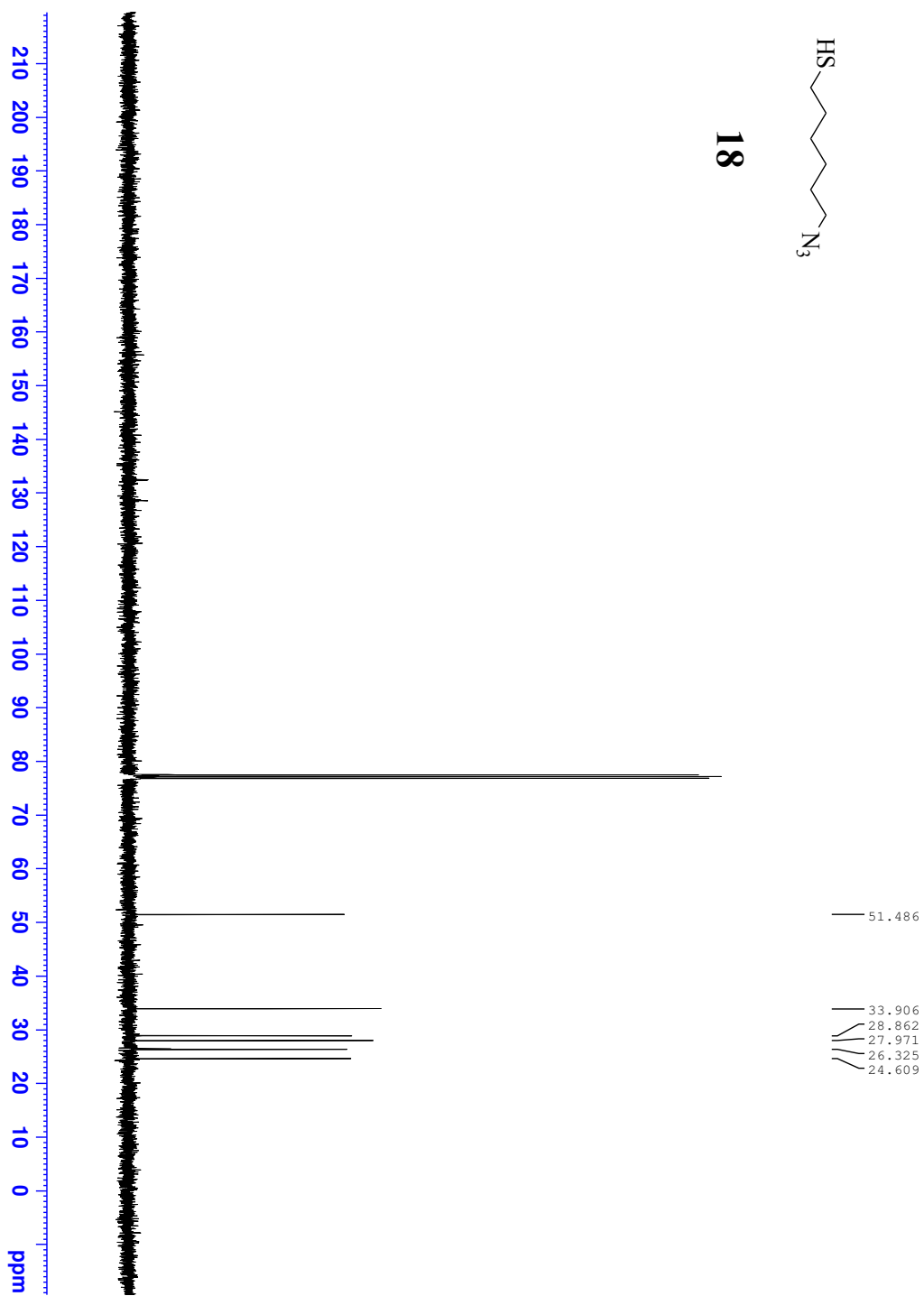


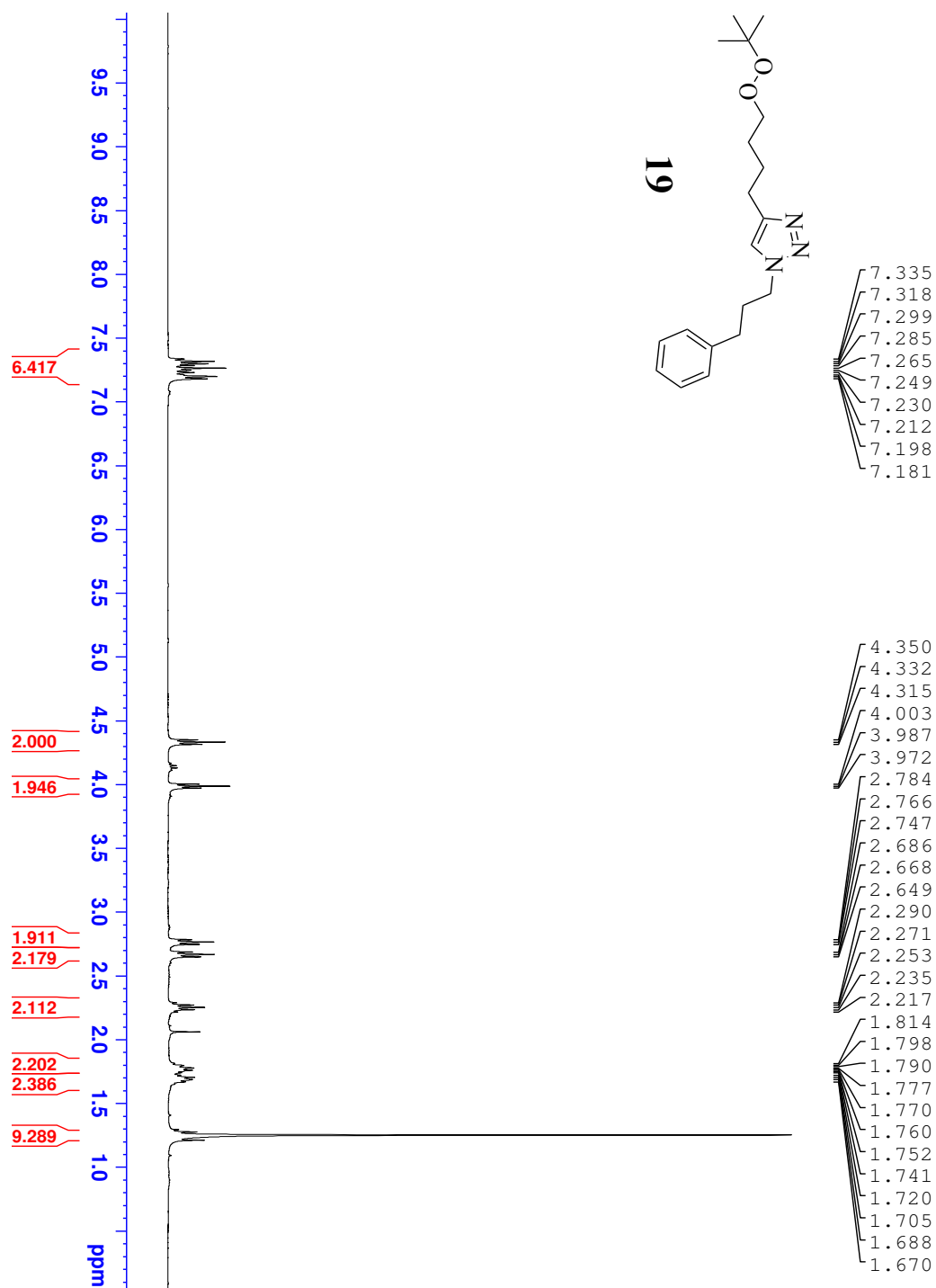


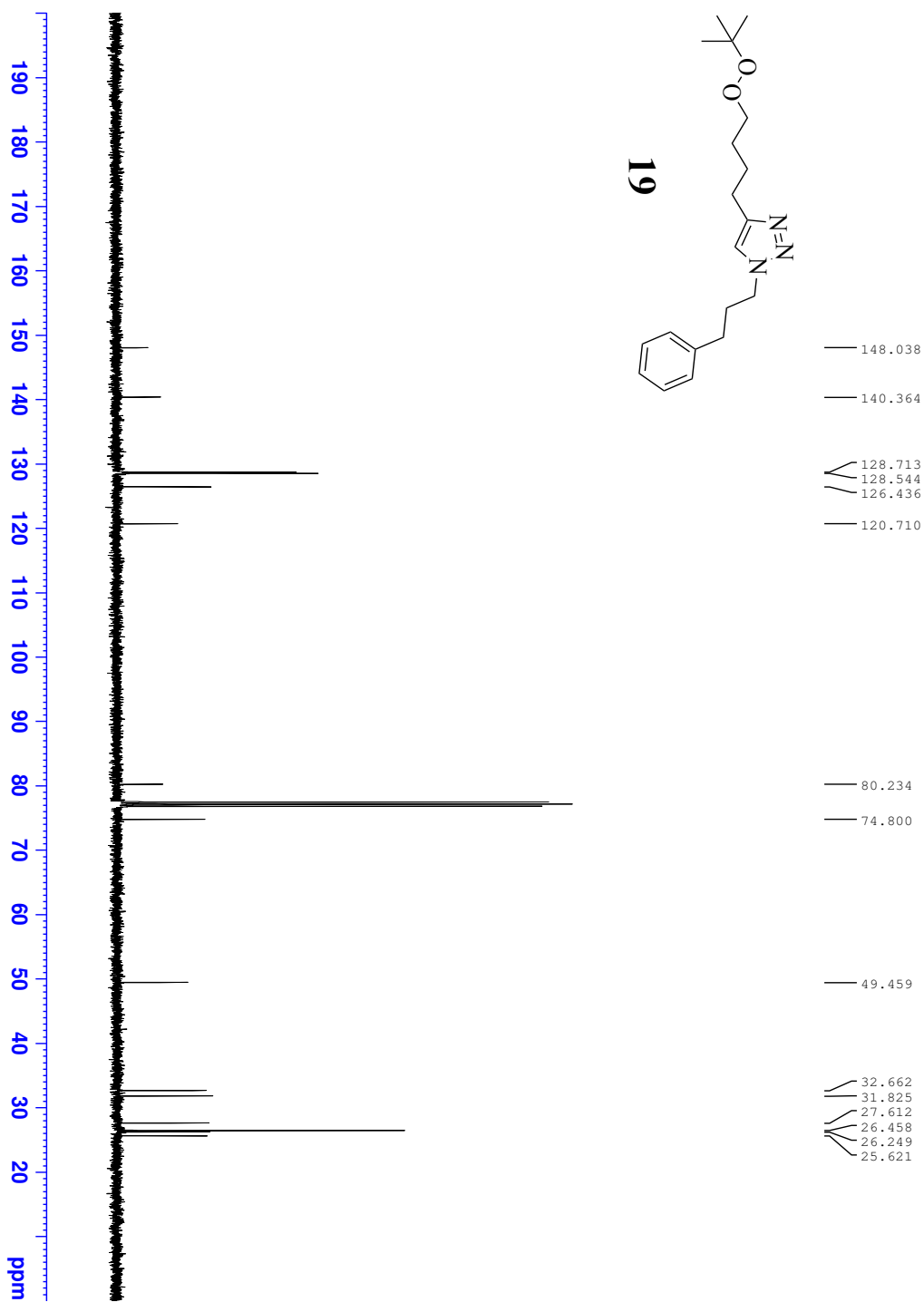


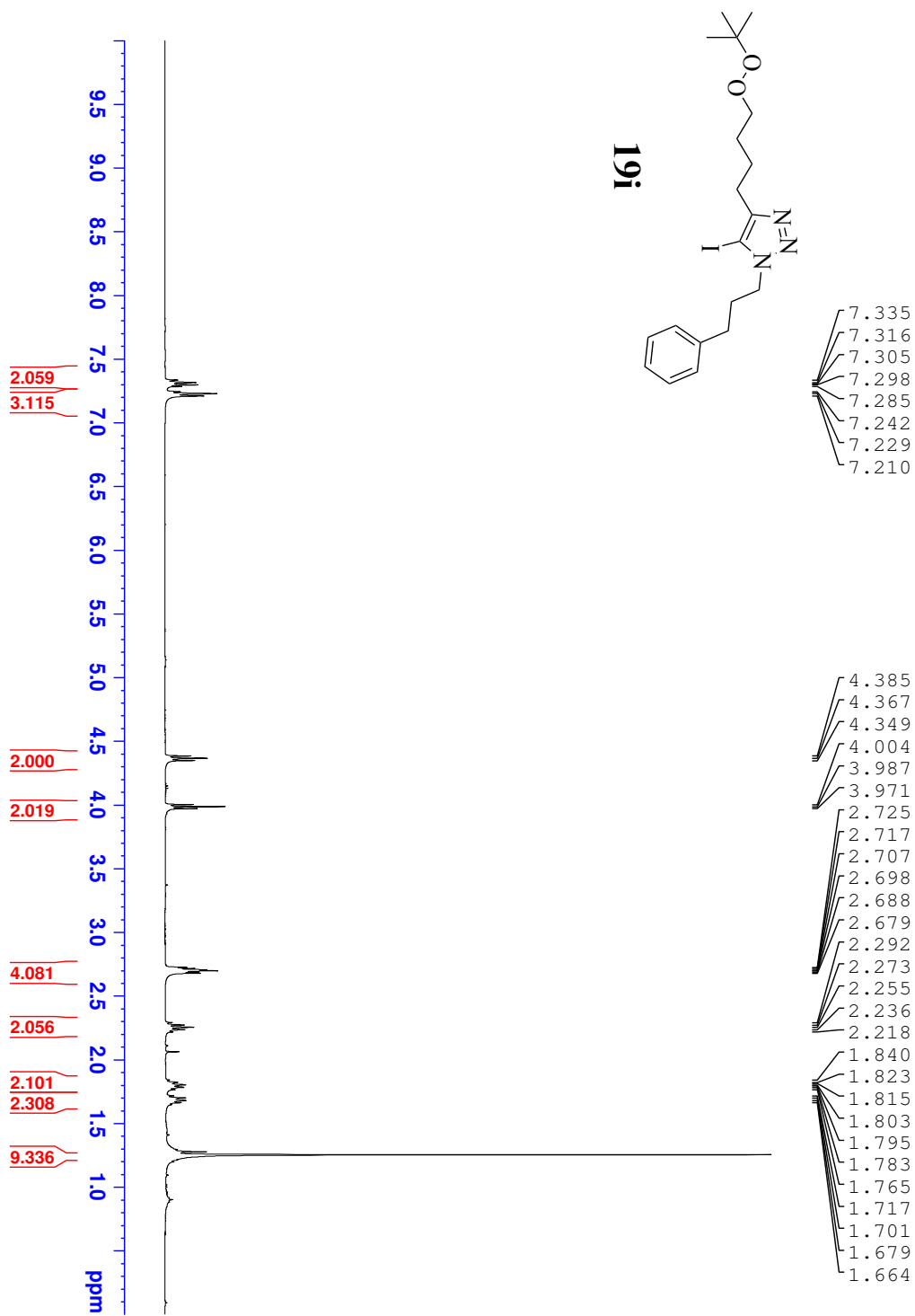


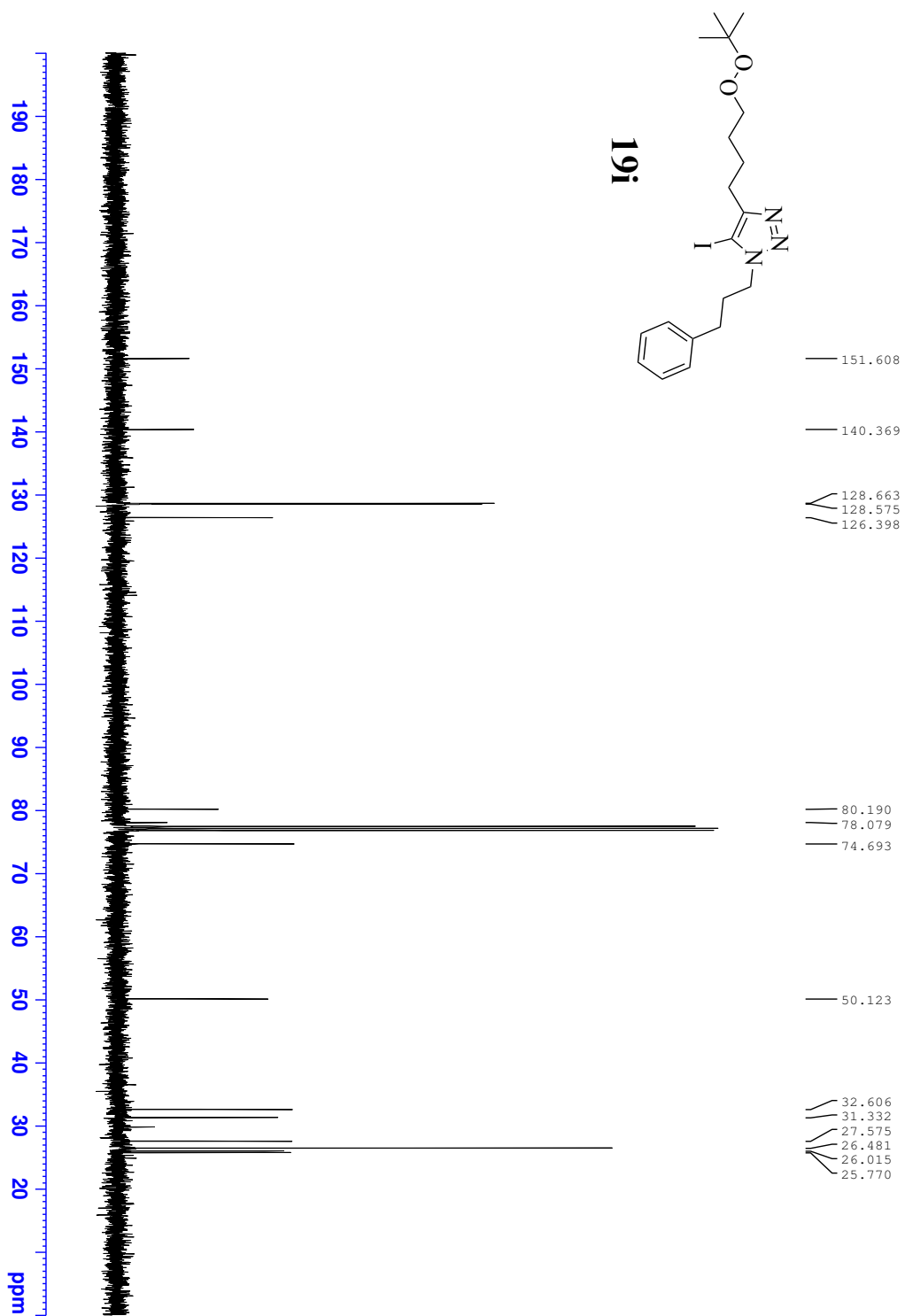


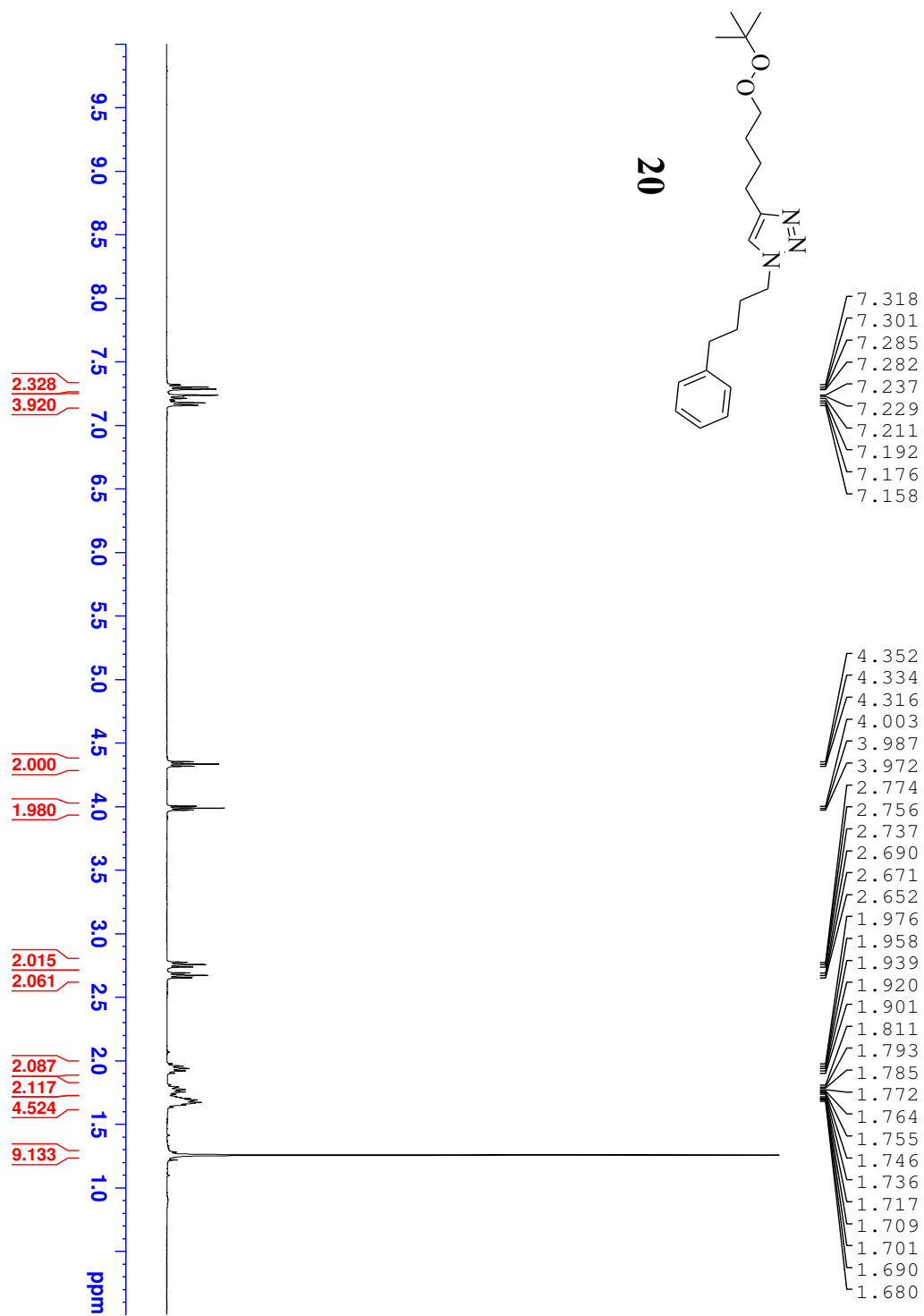




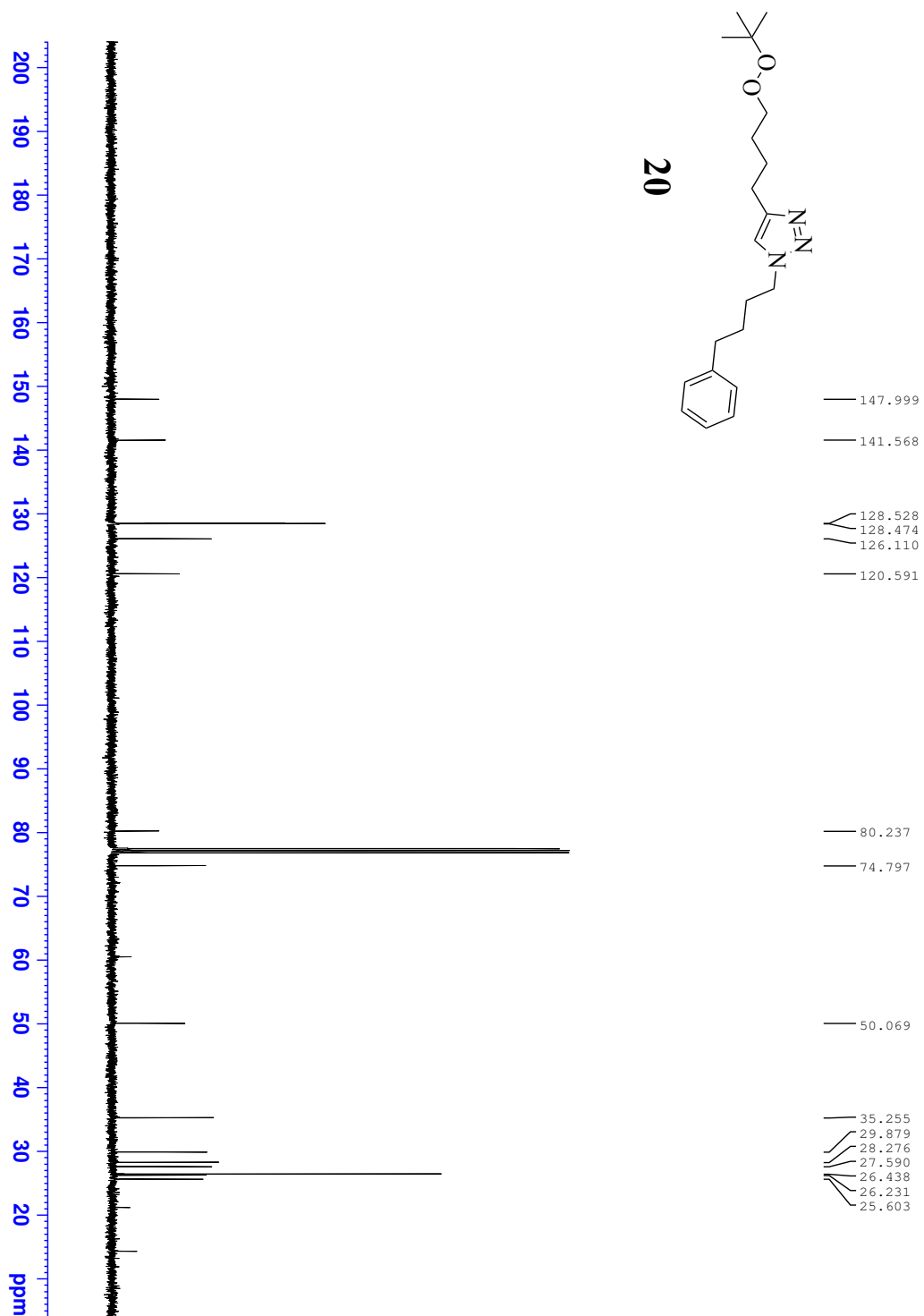


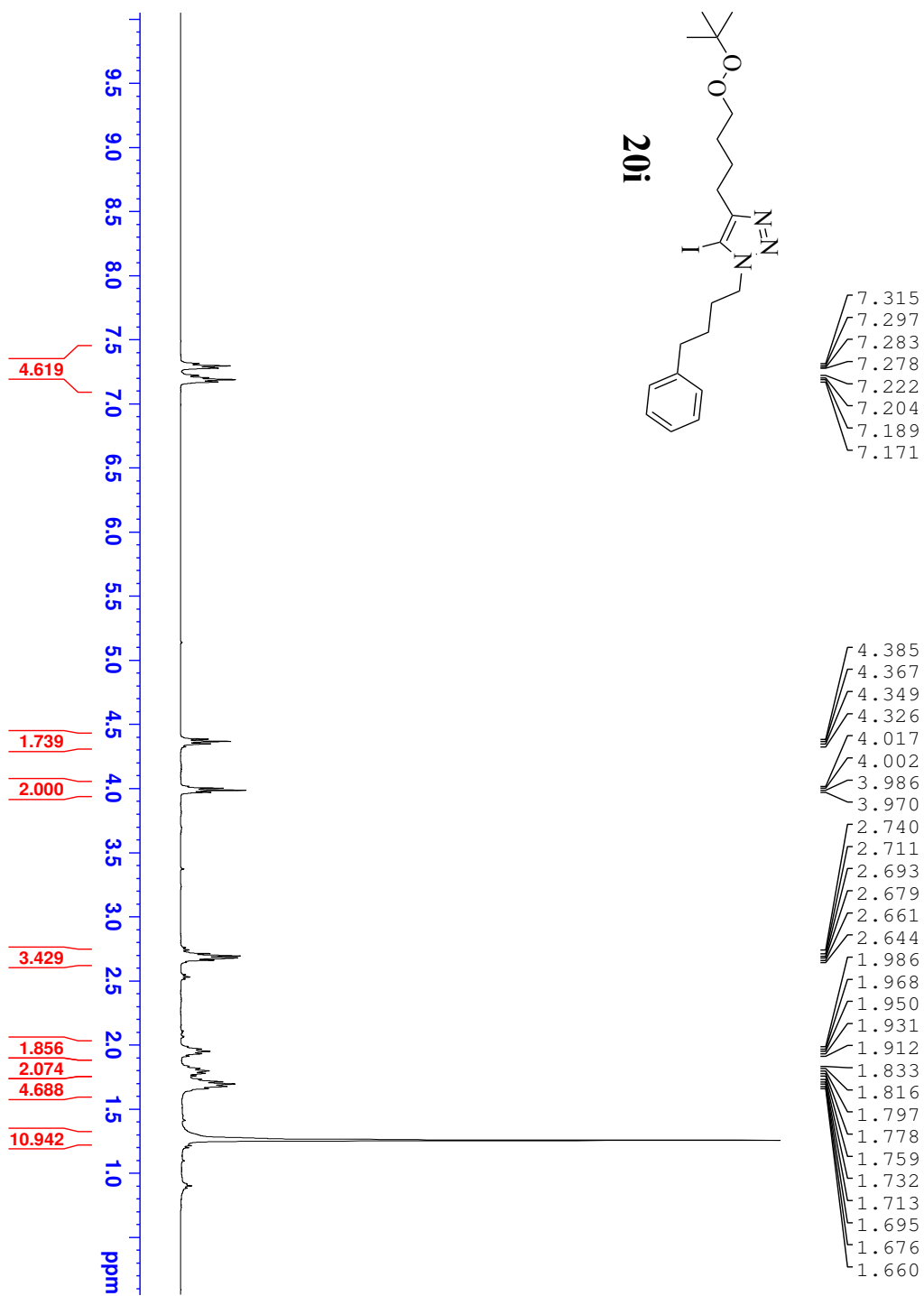


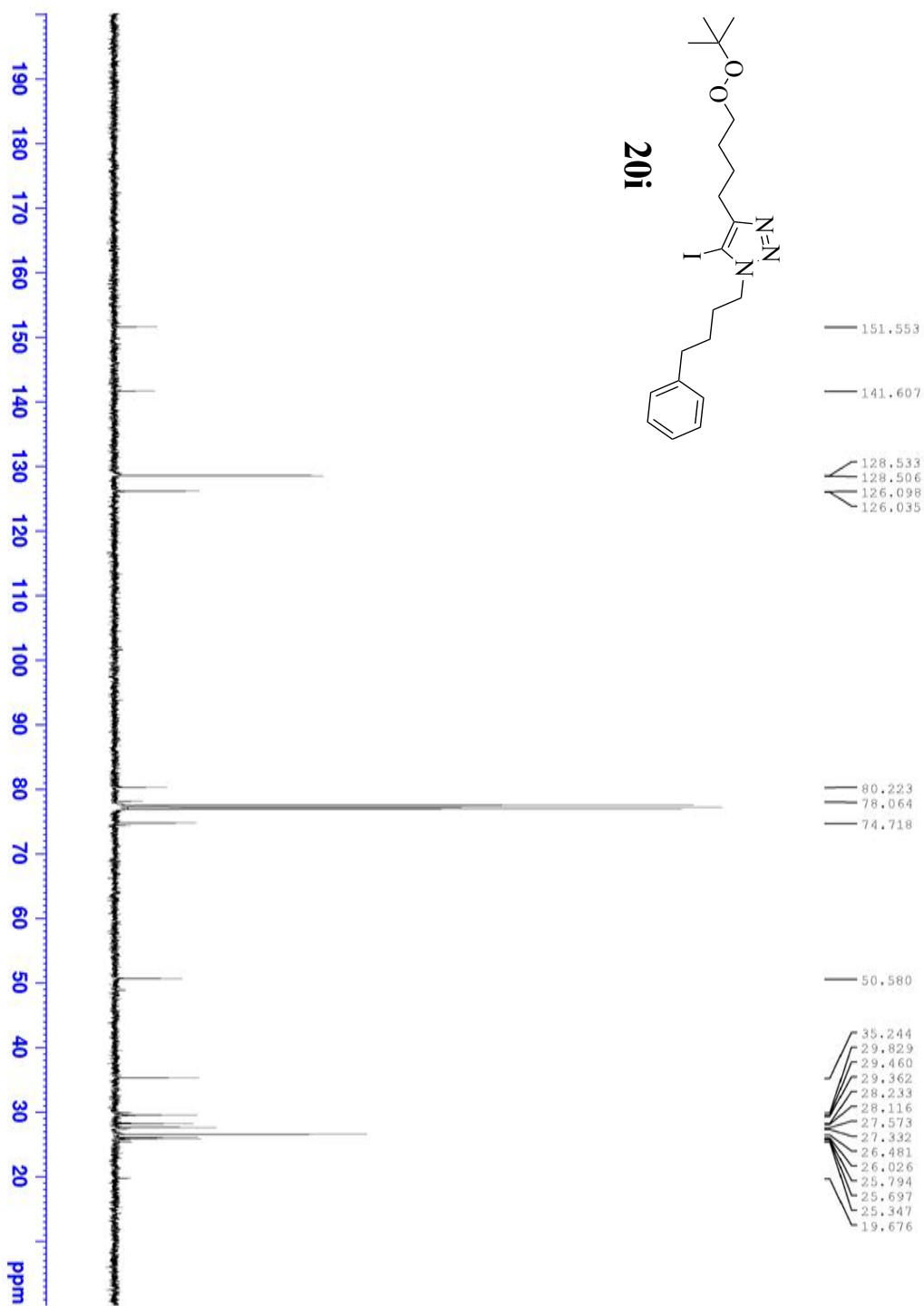


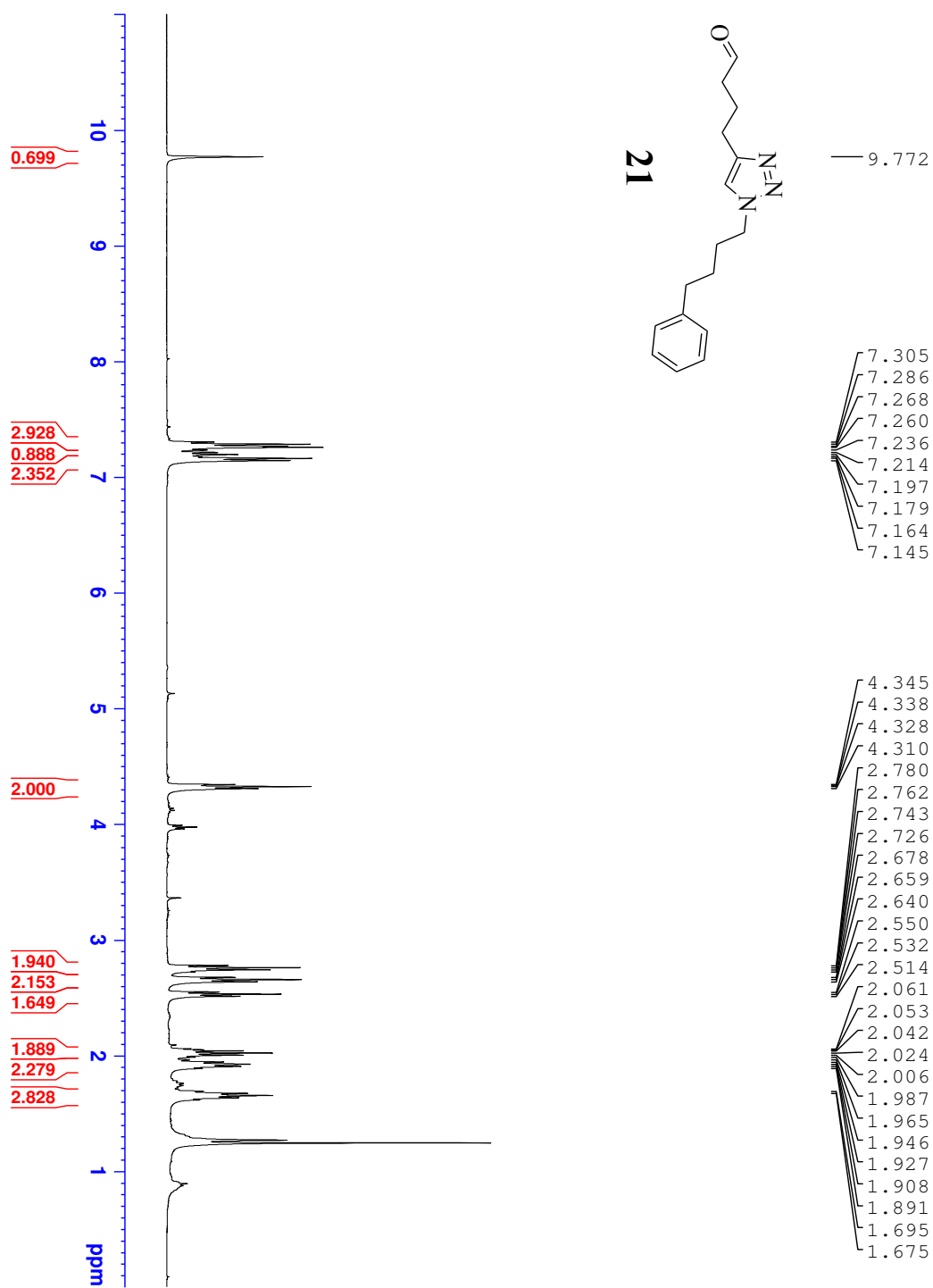


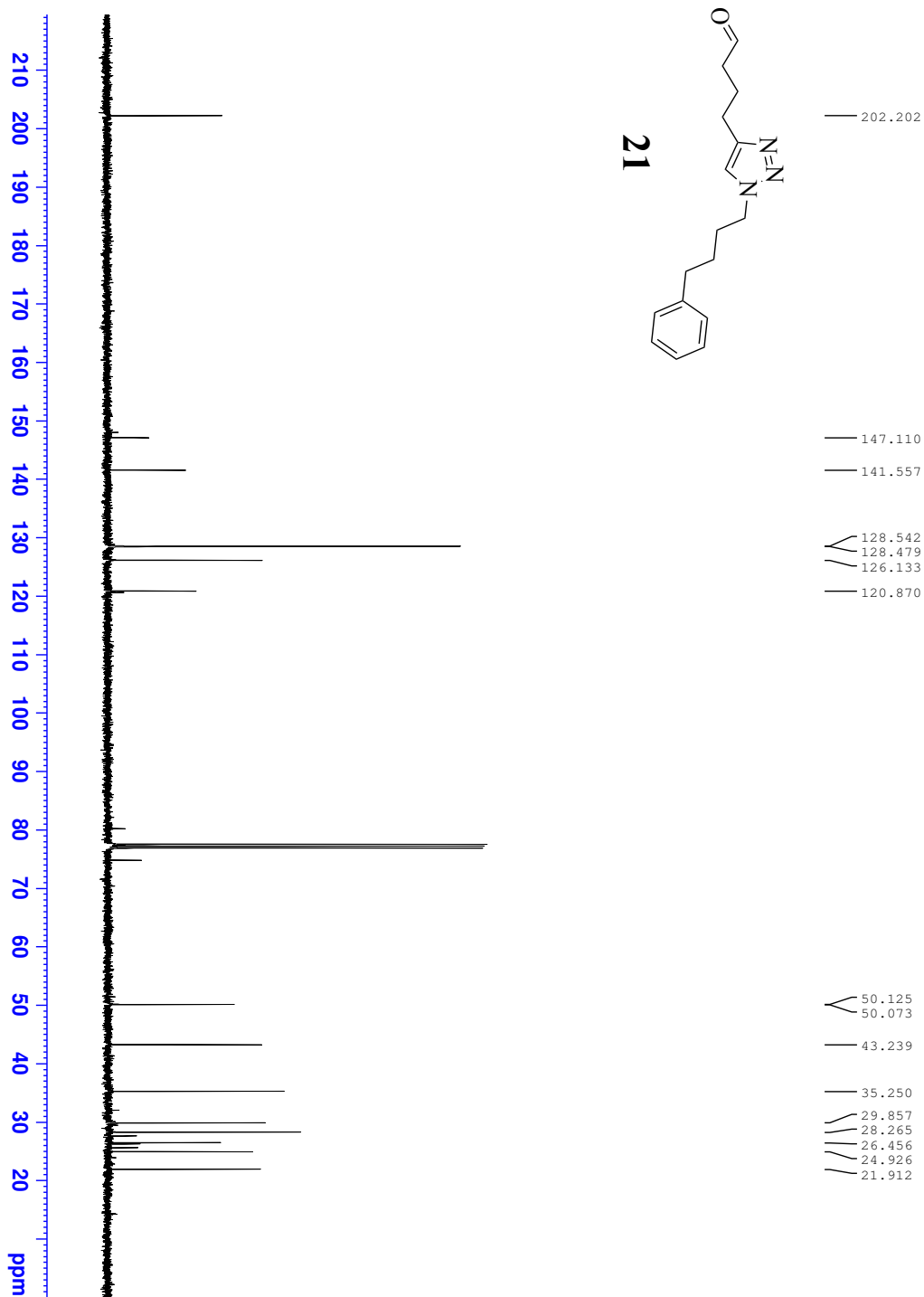


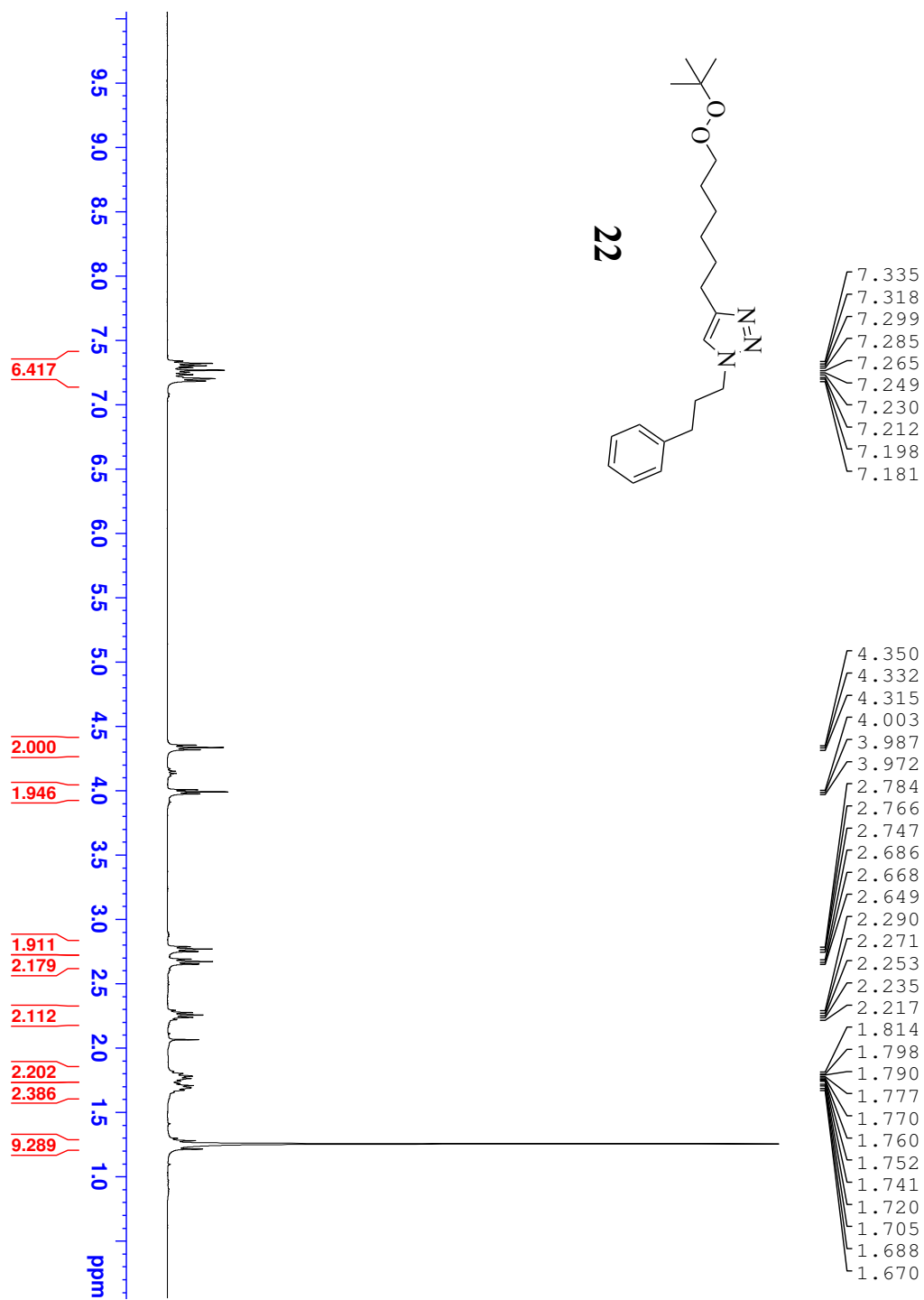


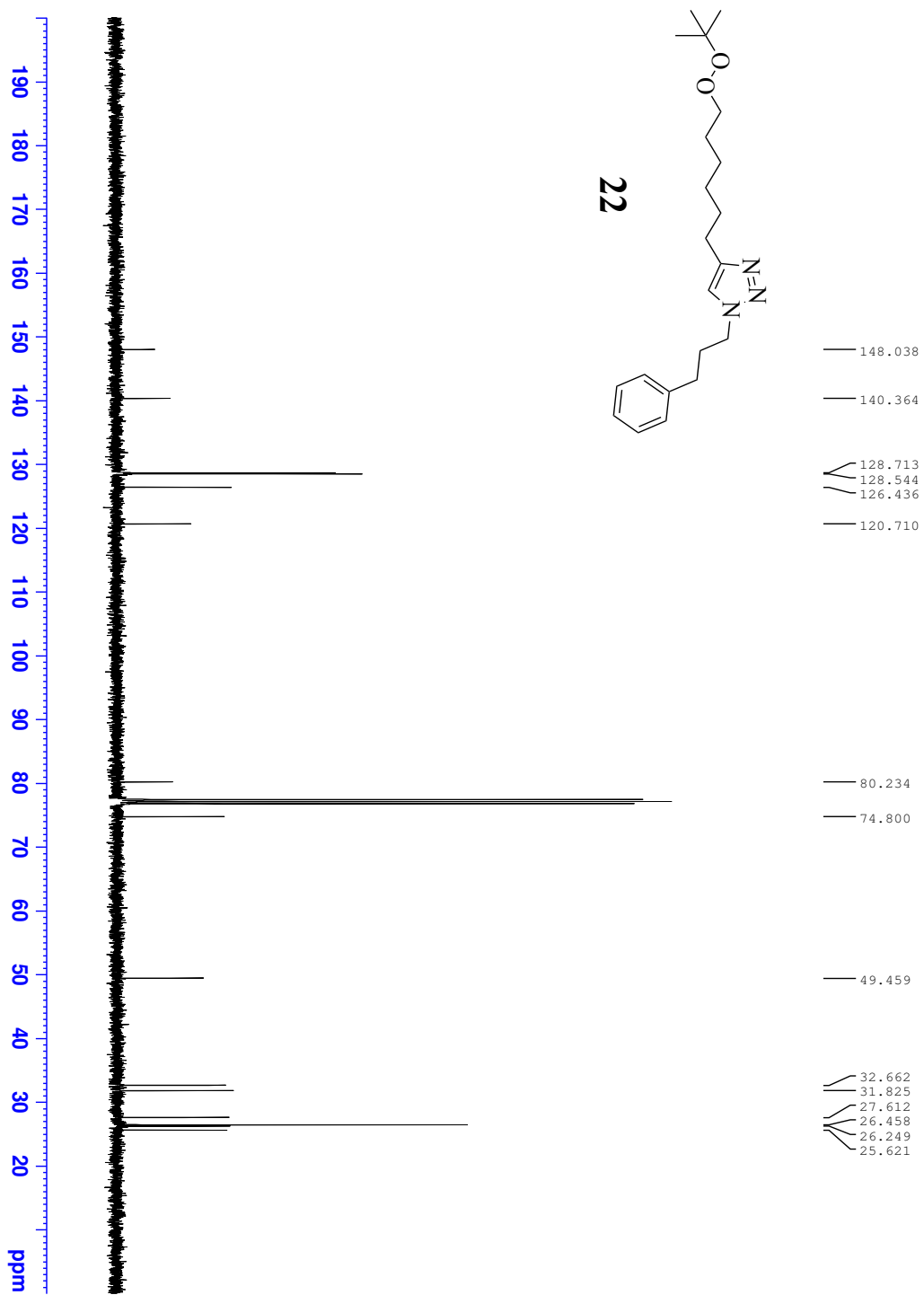


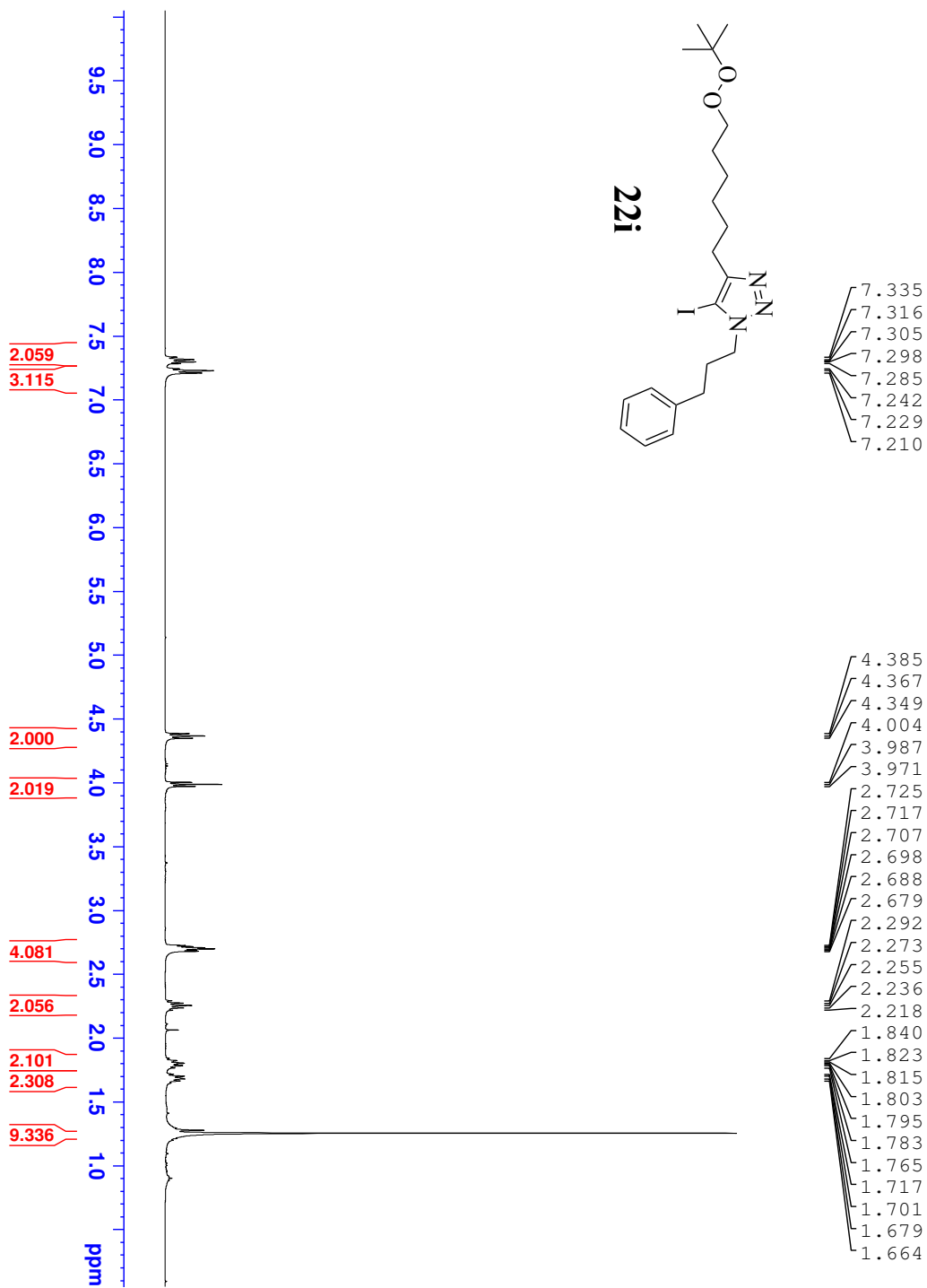




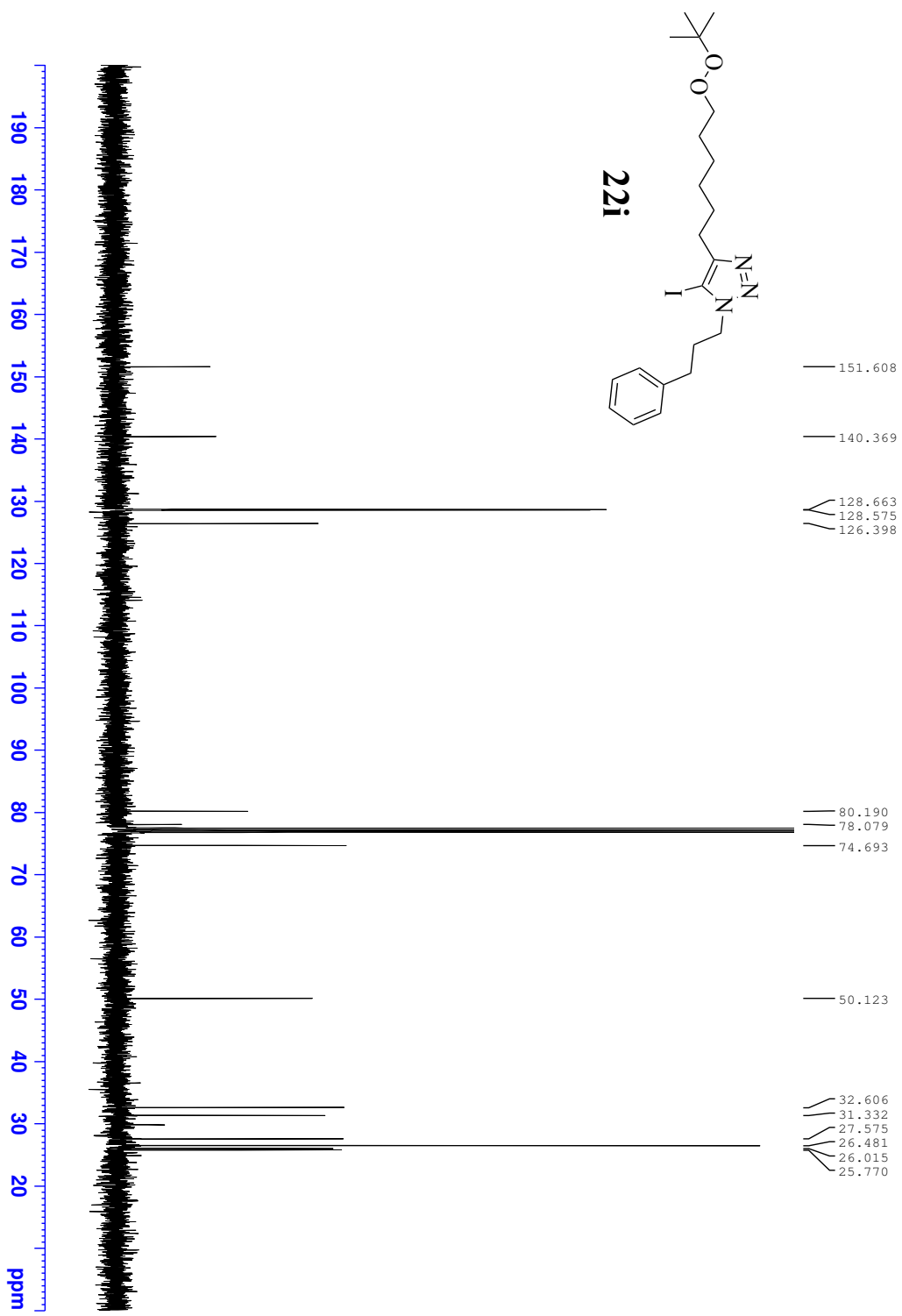


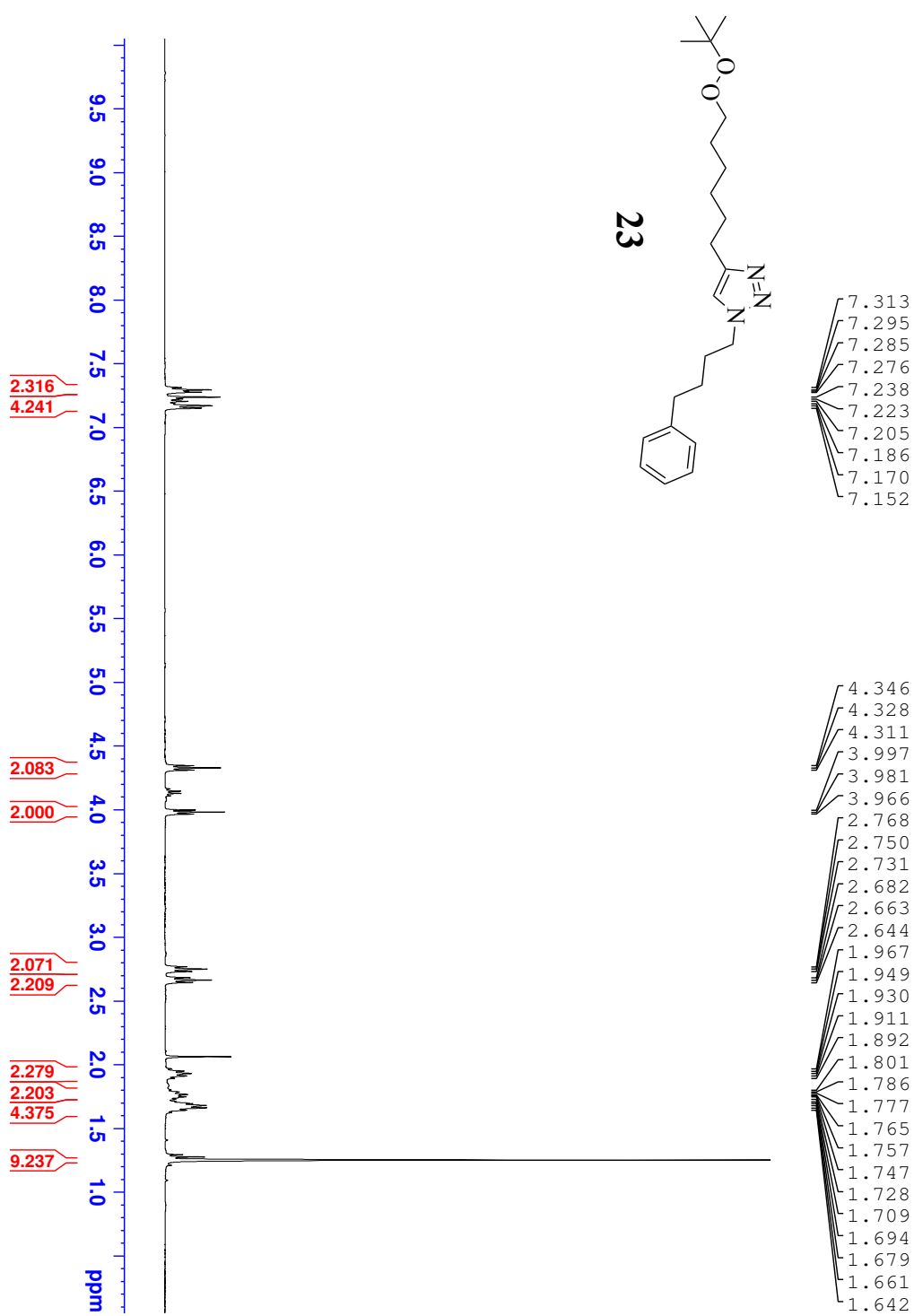


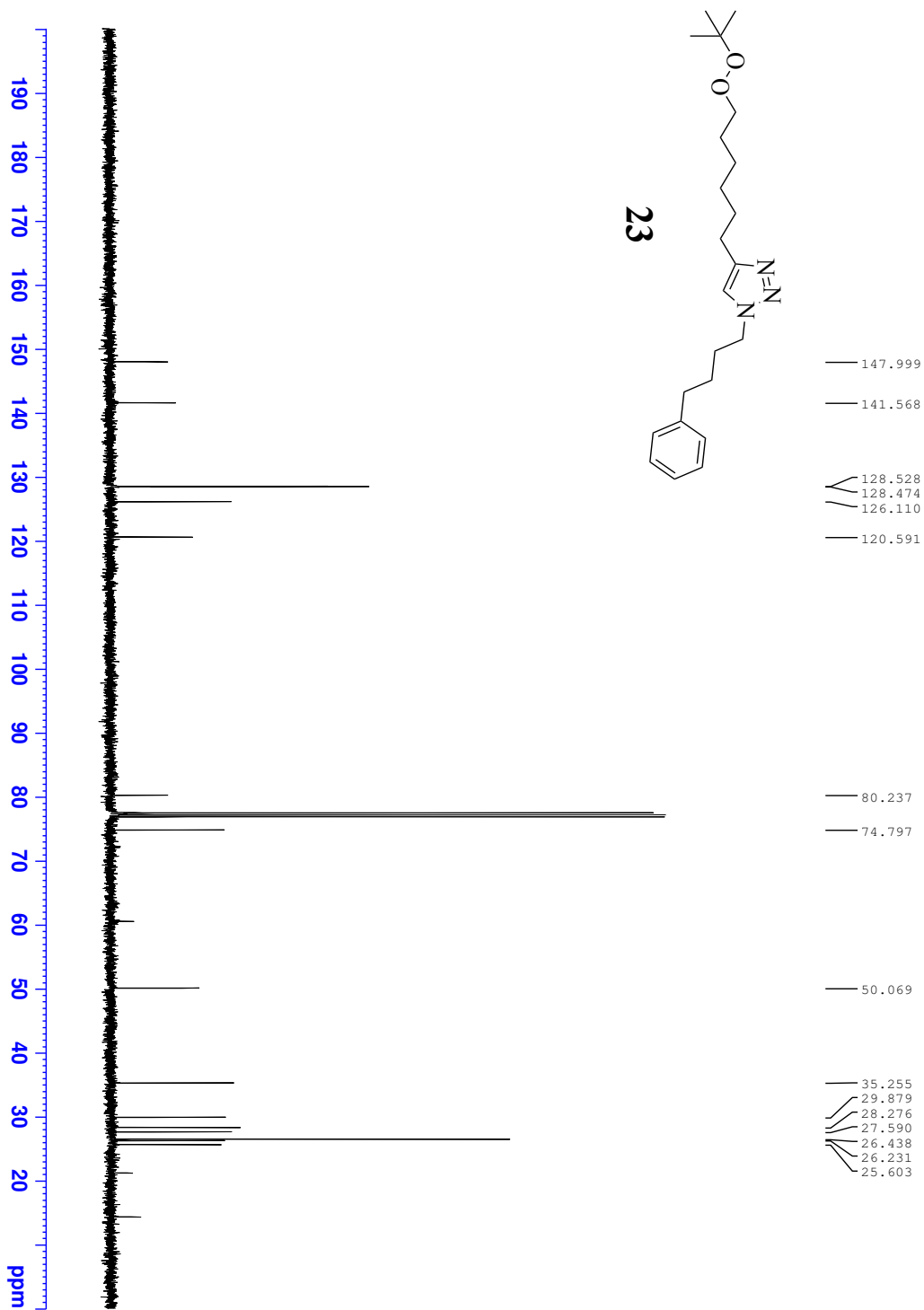


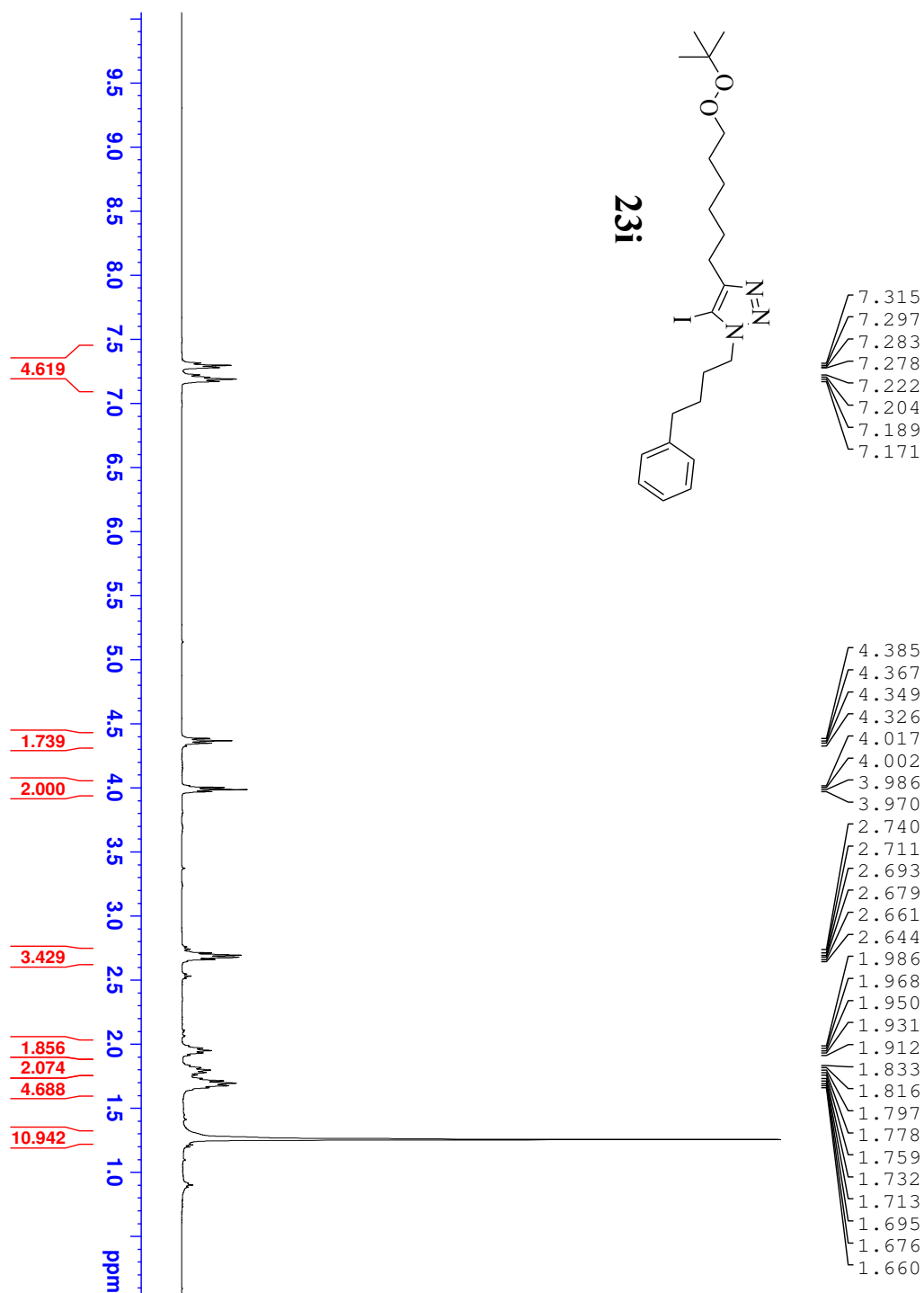


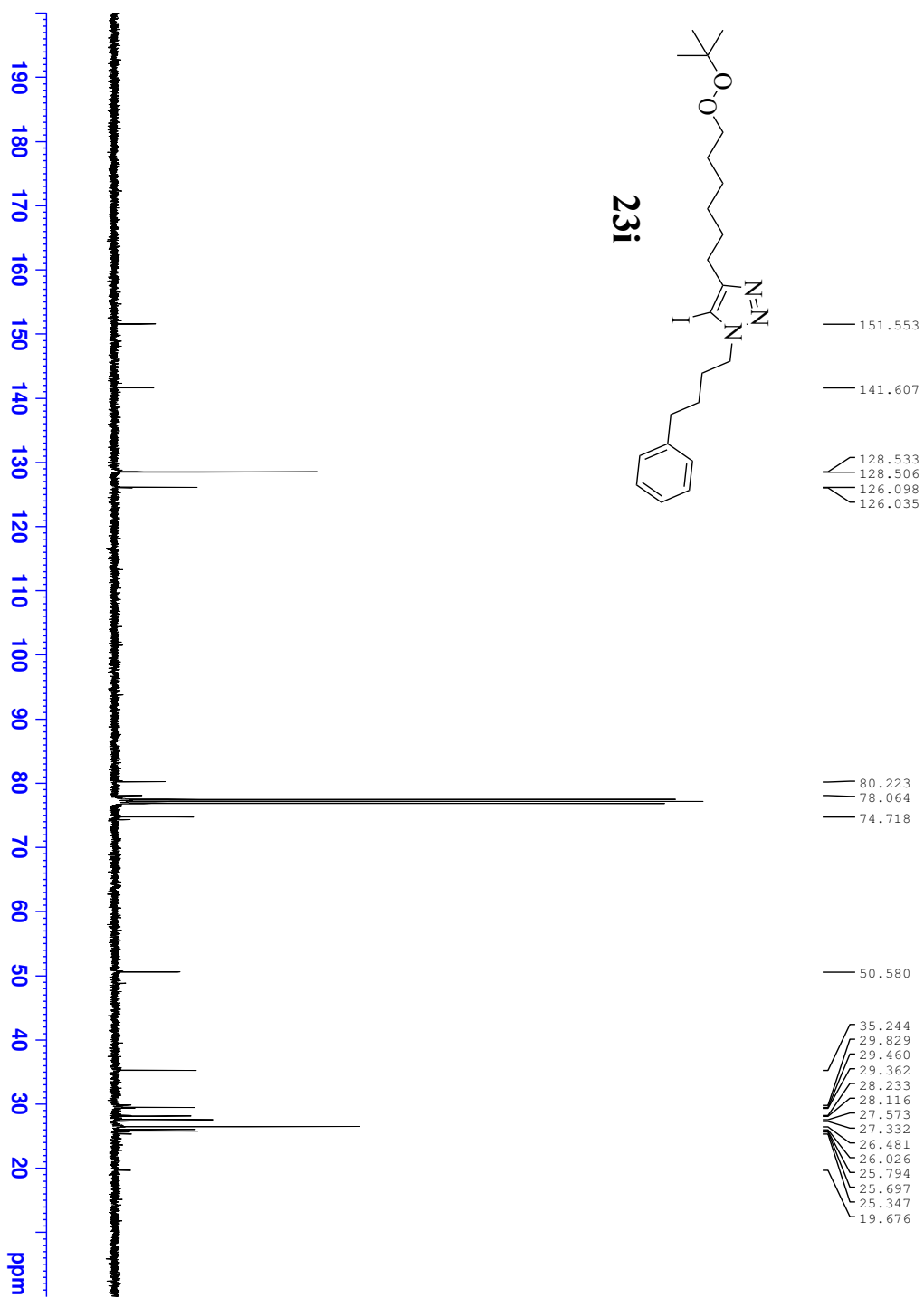


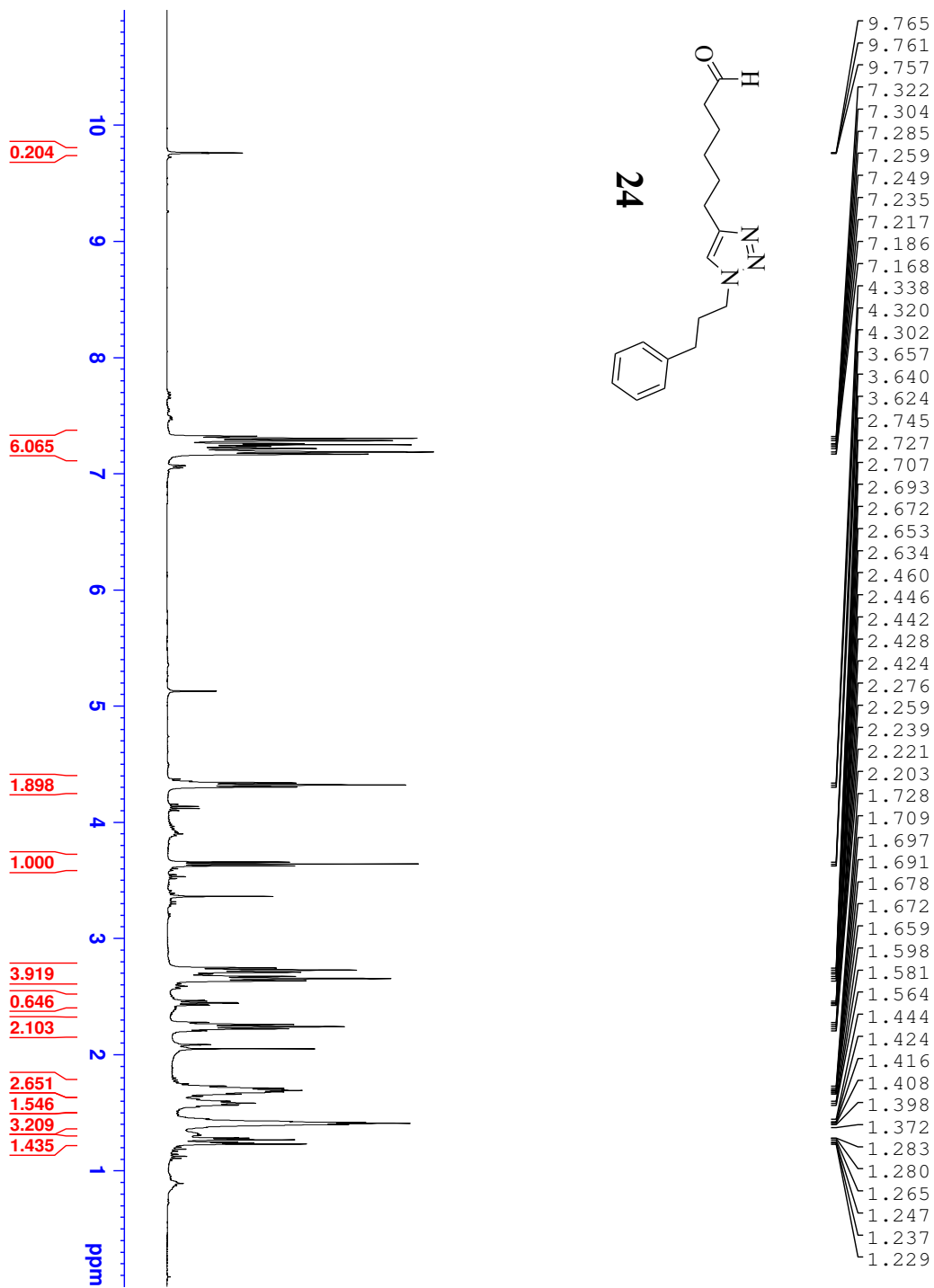


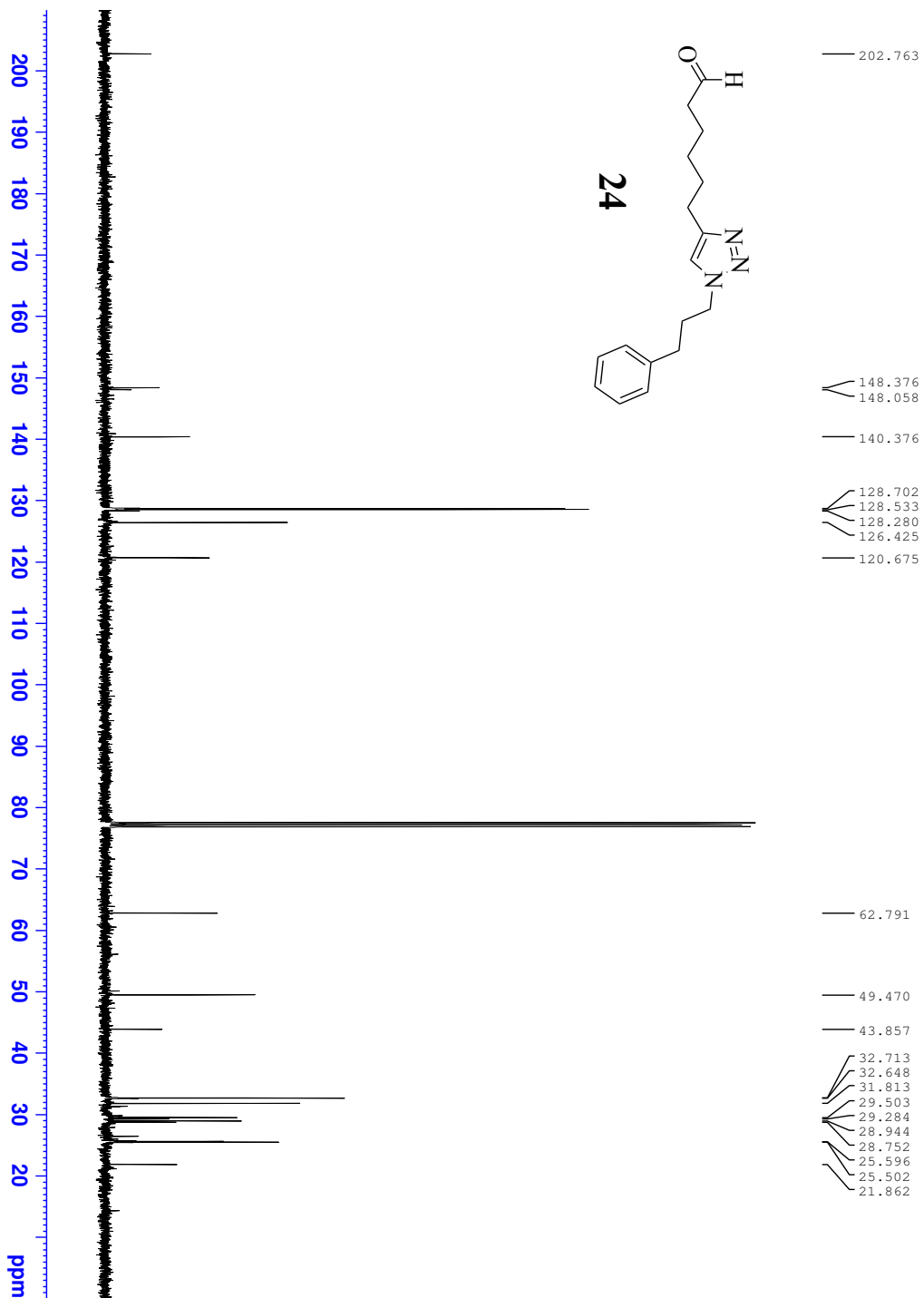


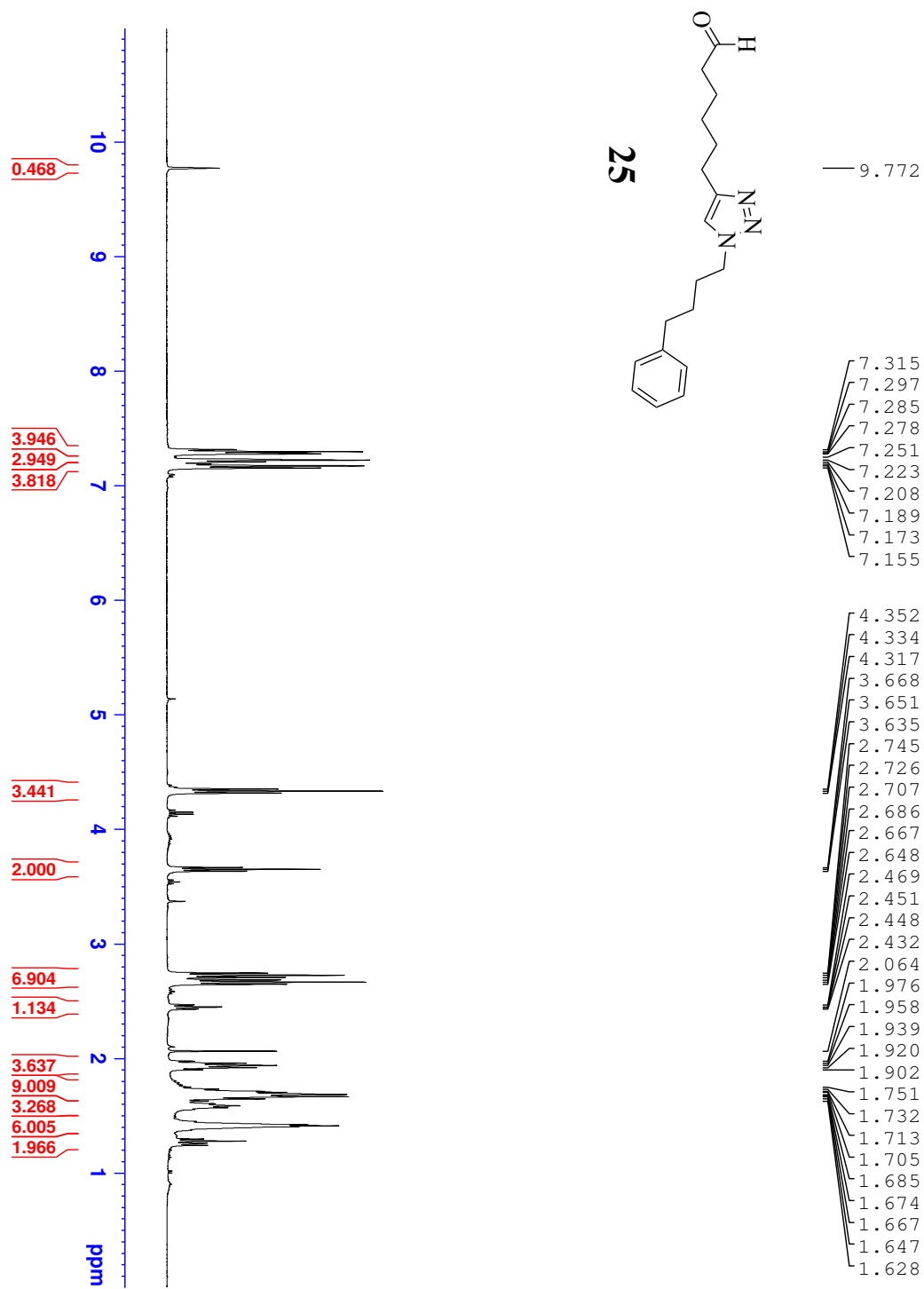




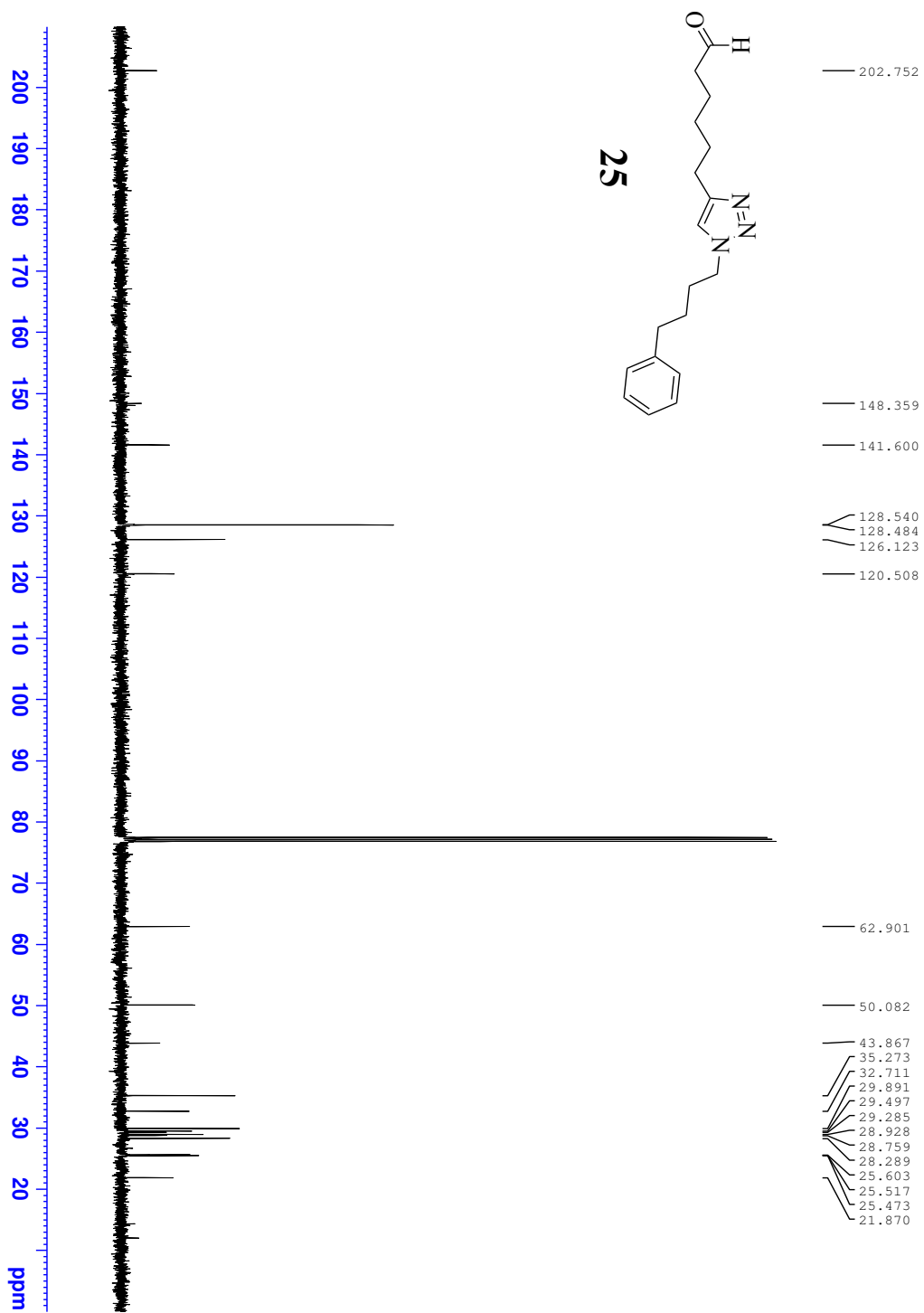


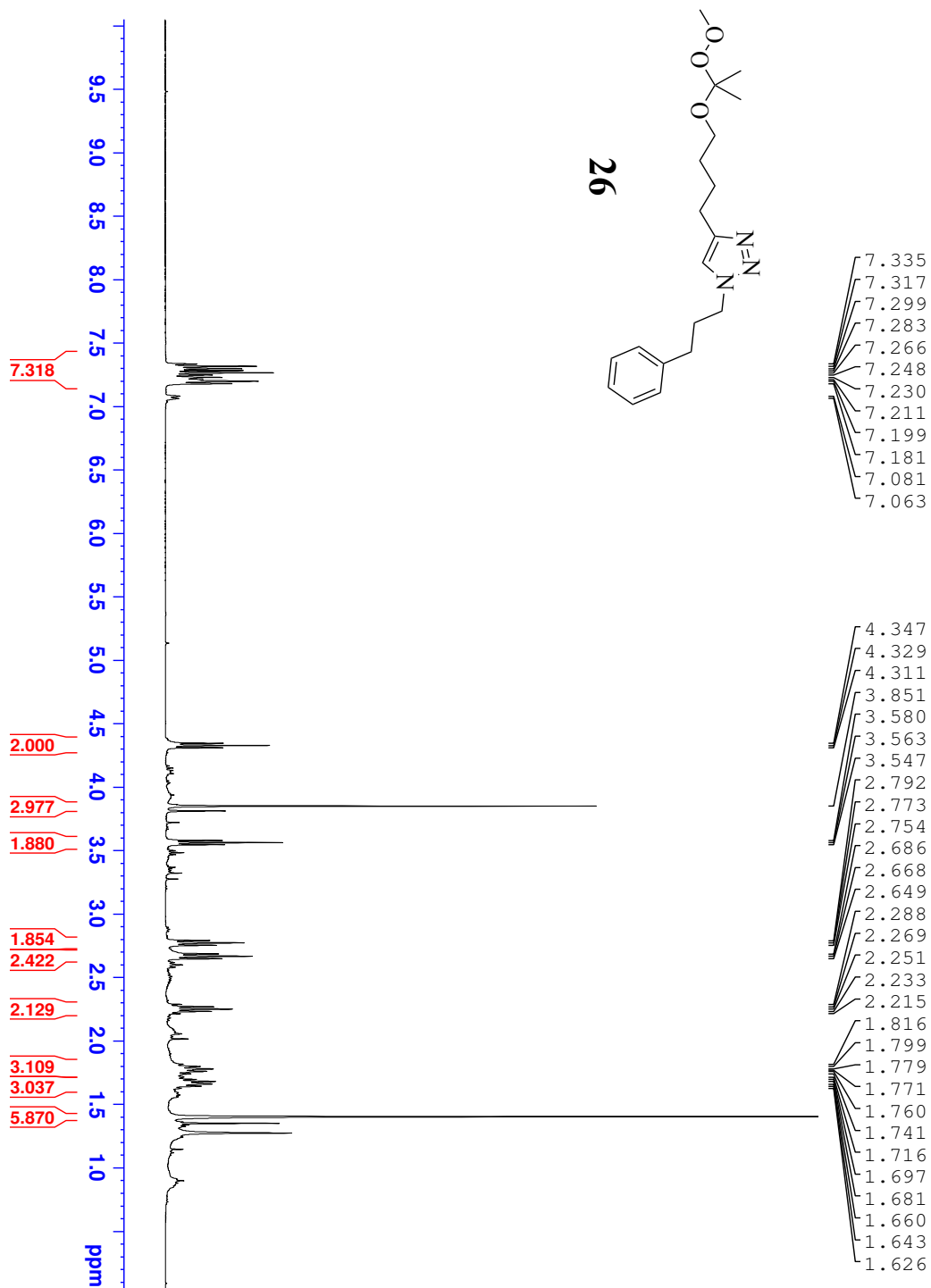


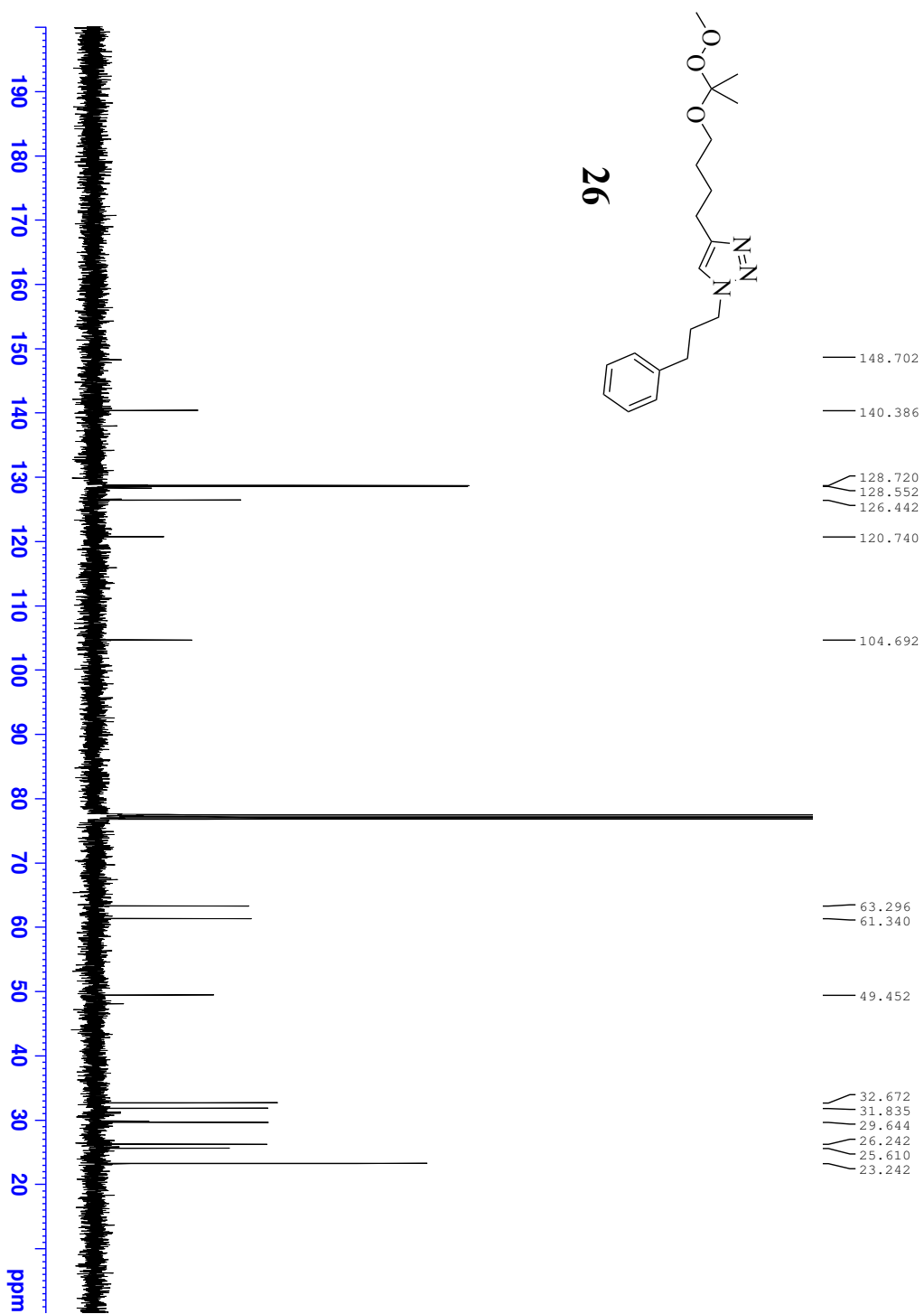


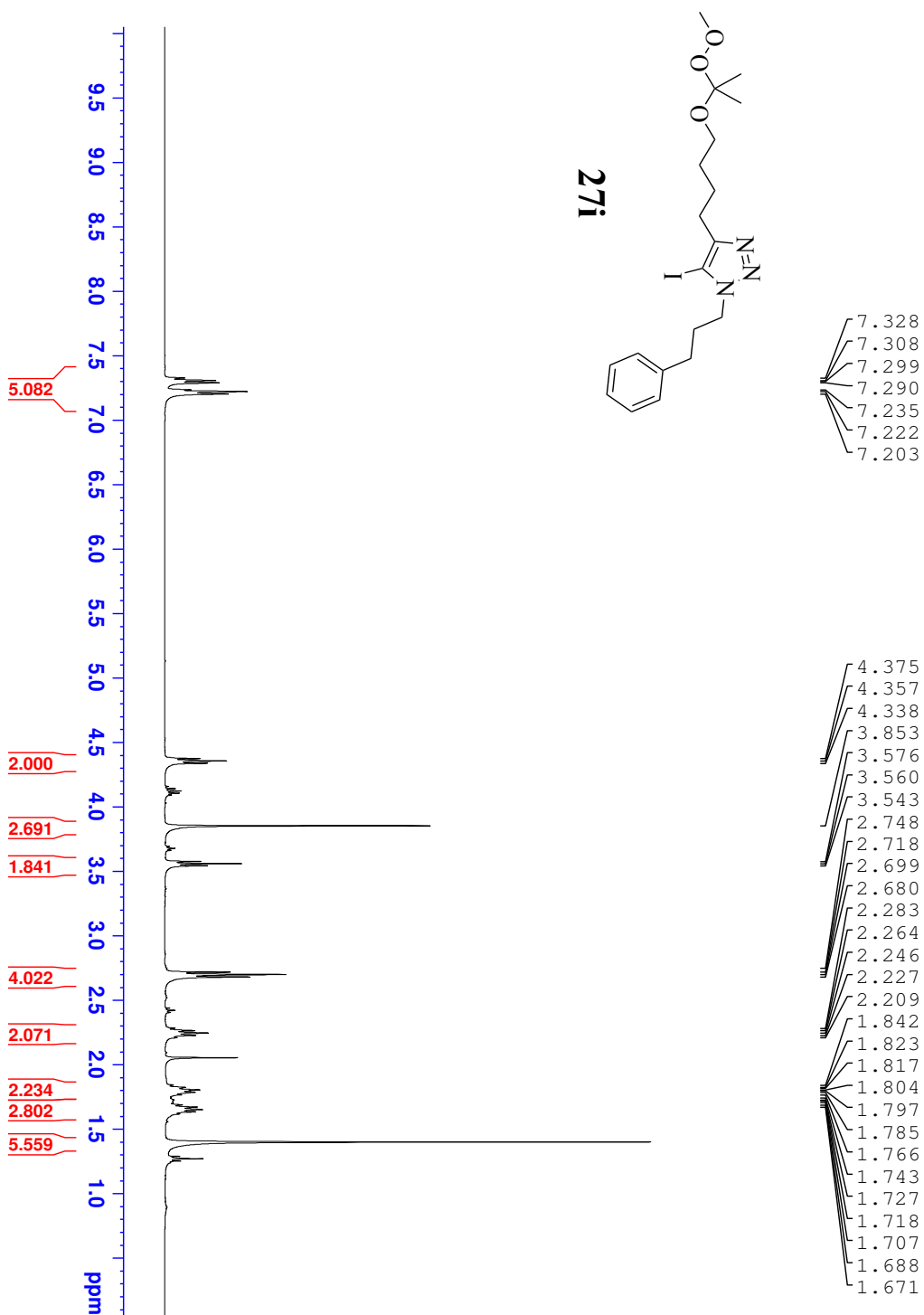


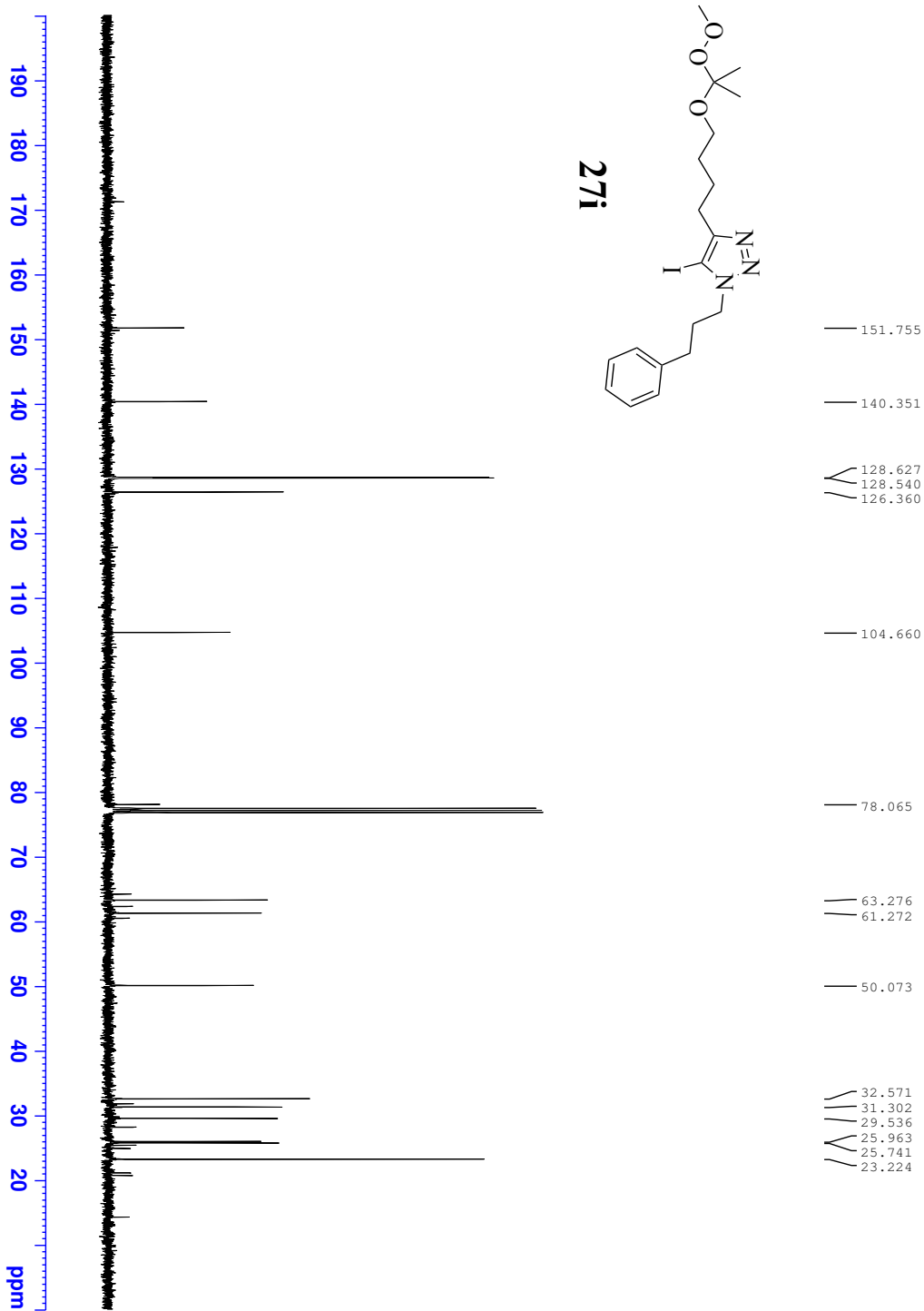


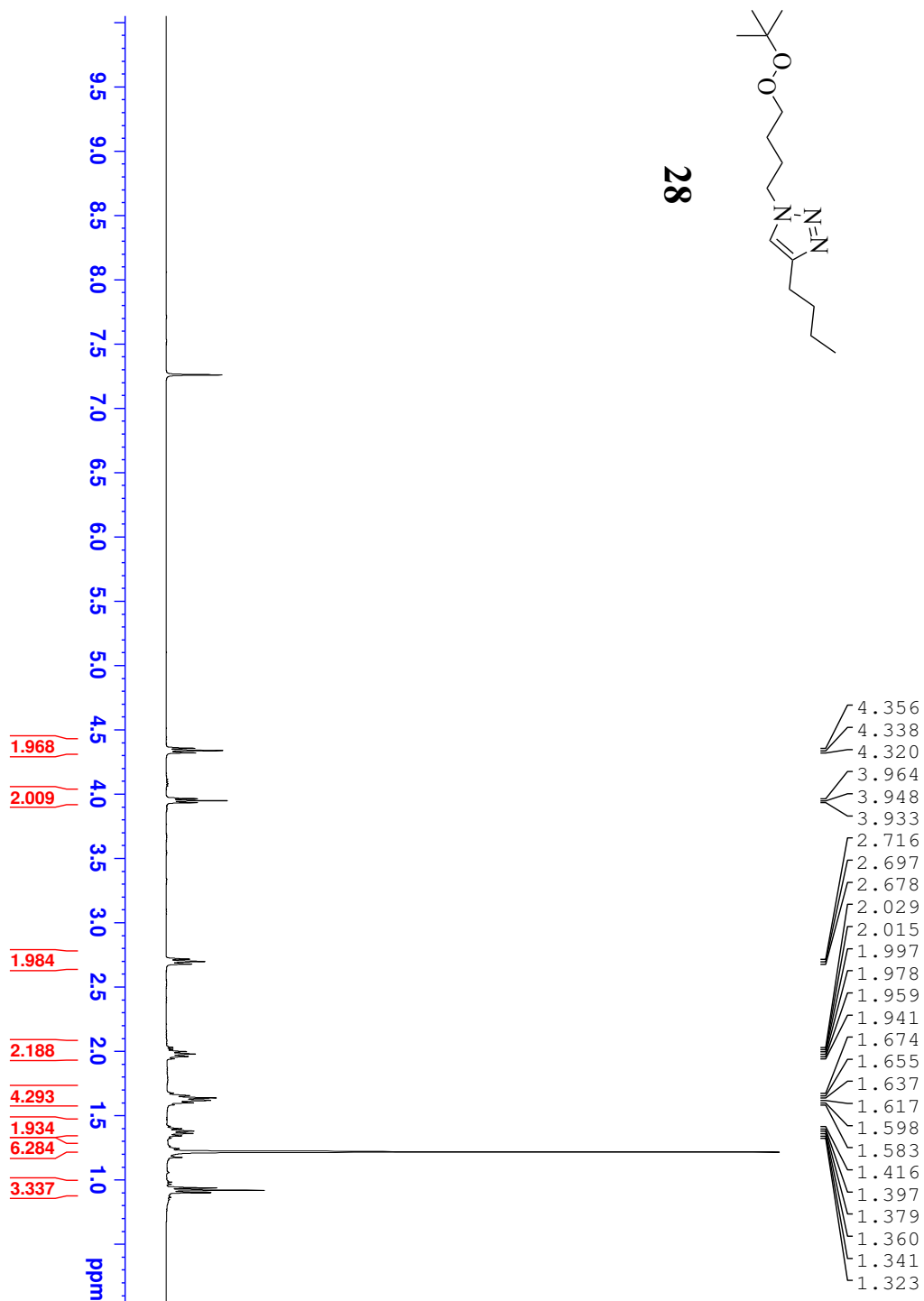


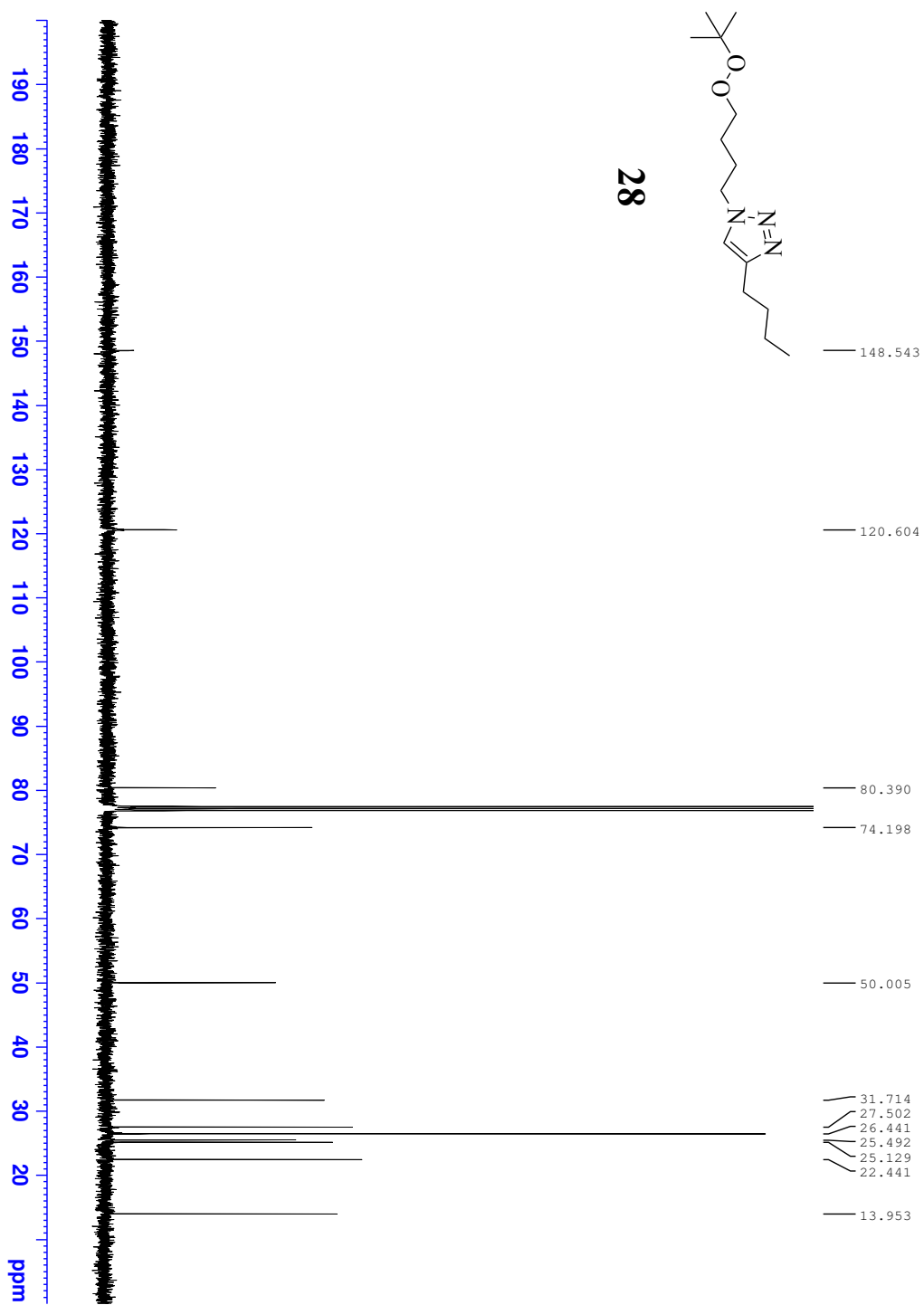


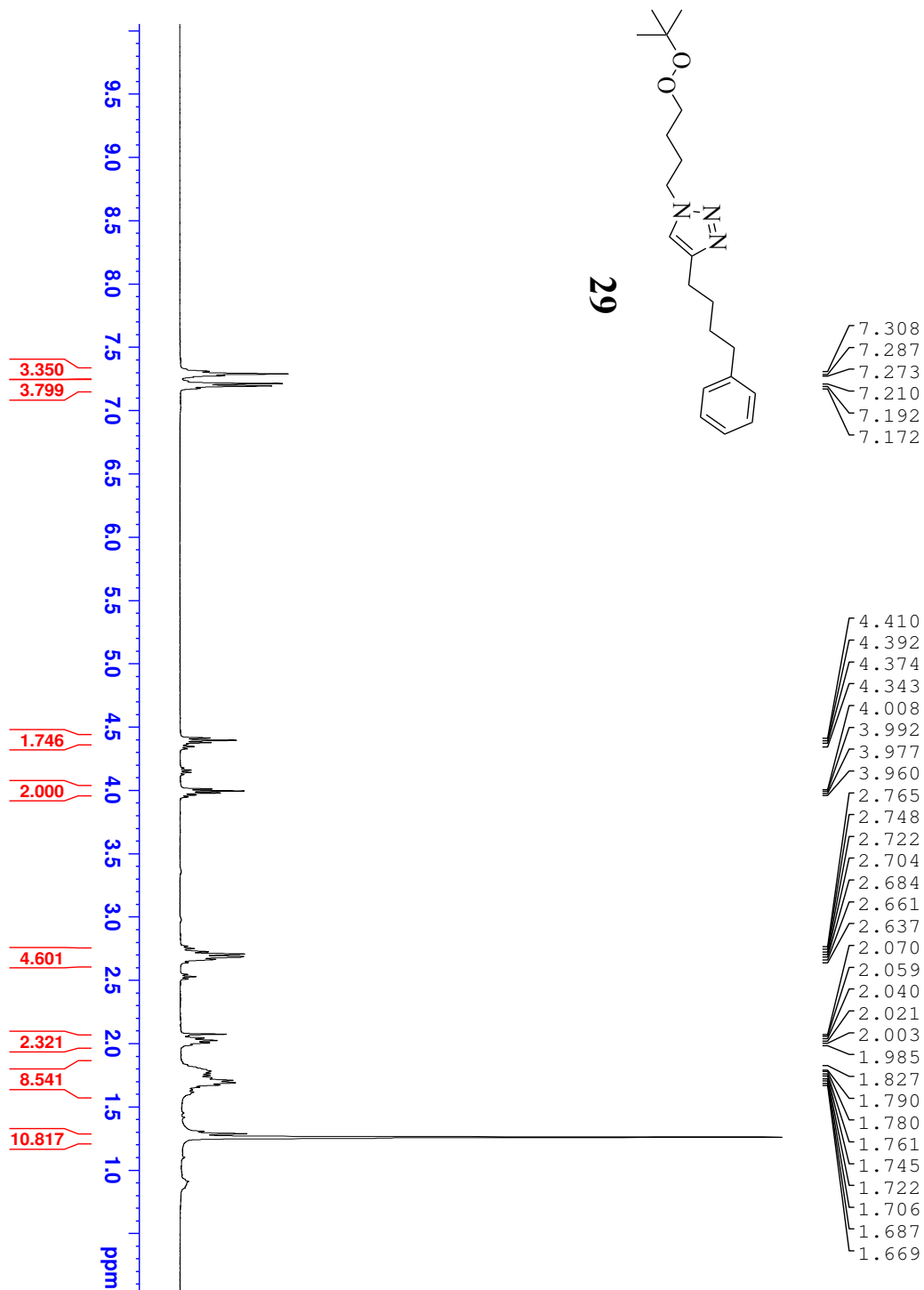














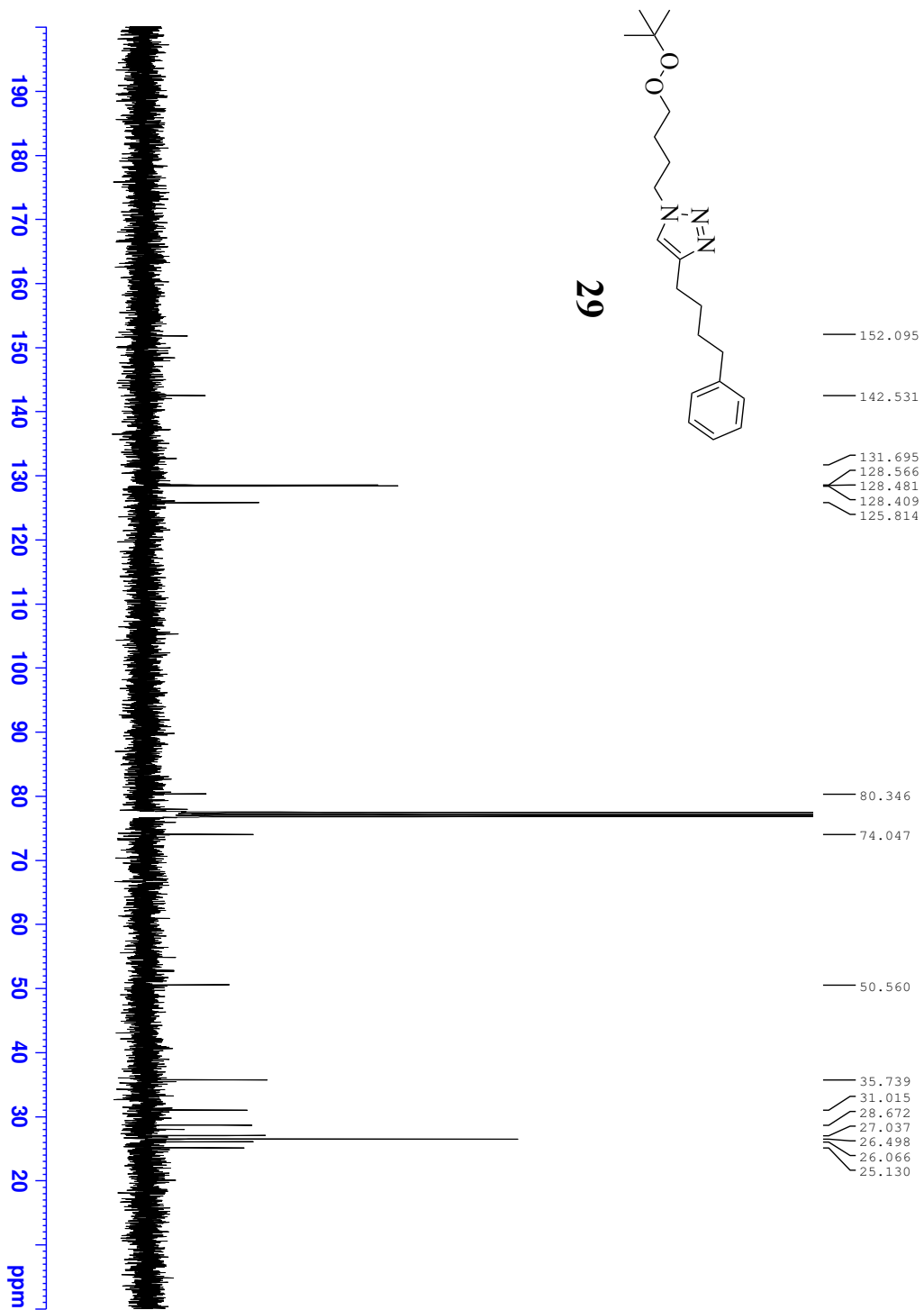


Figure 1: Pentanethiolate Functionalized Au NPs

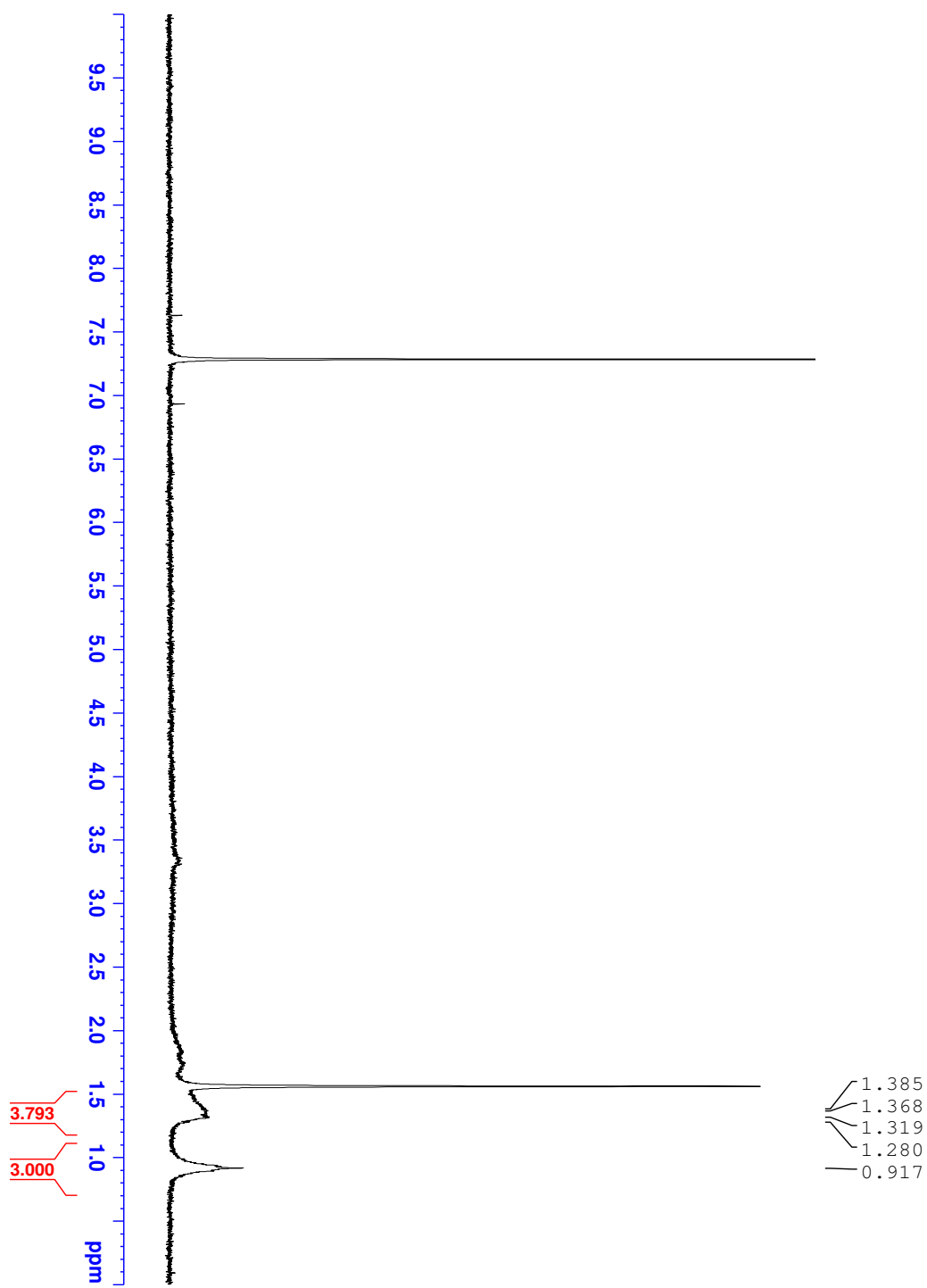
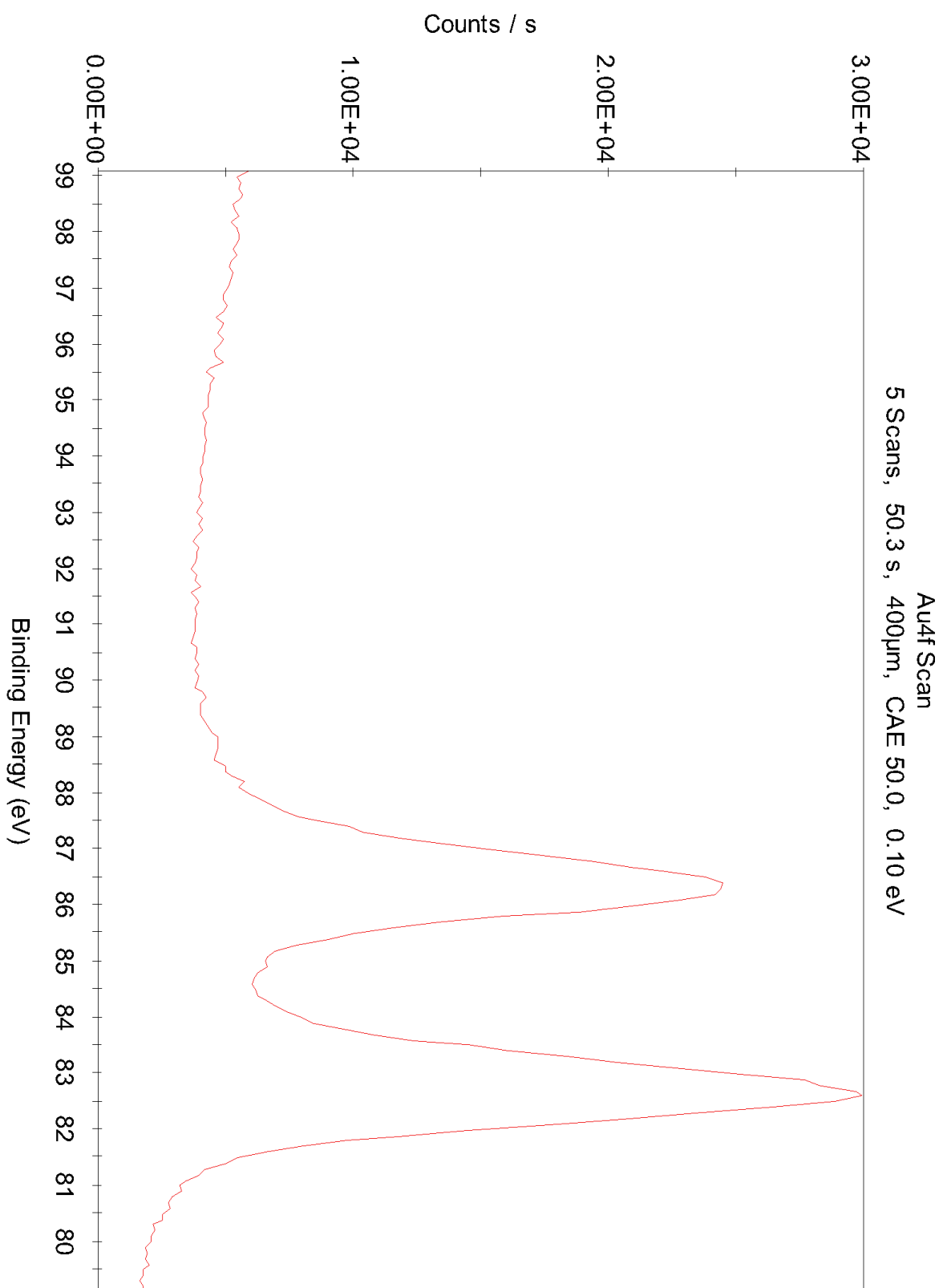
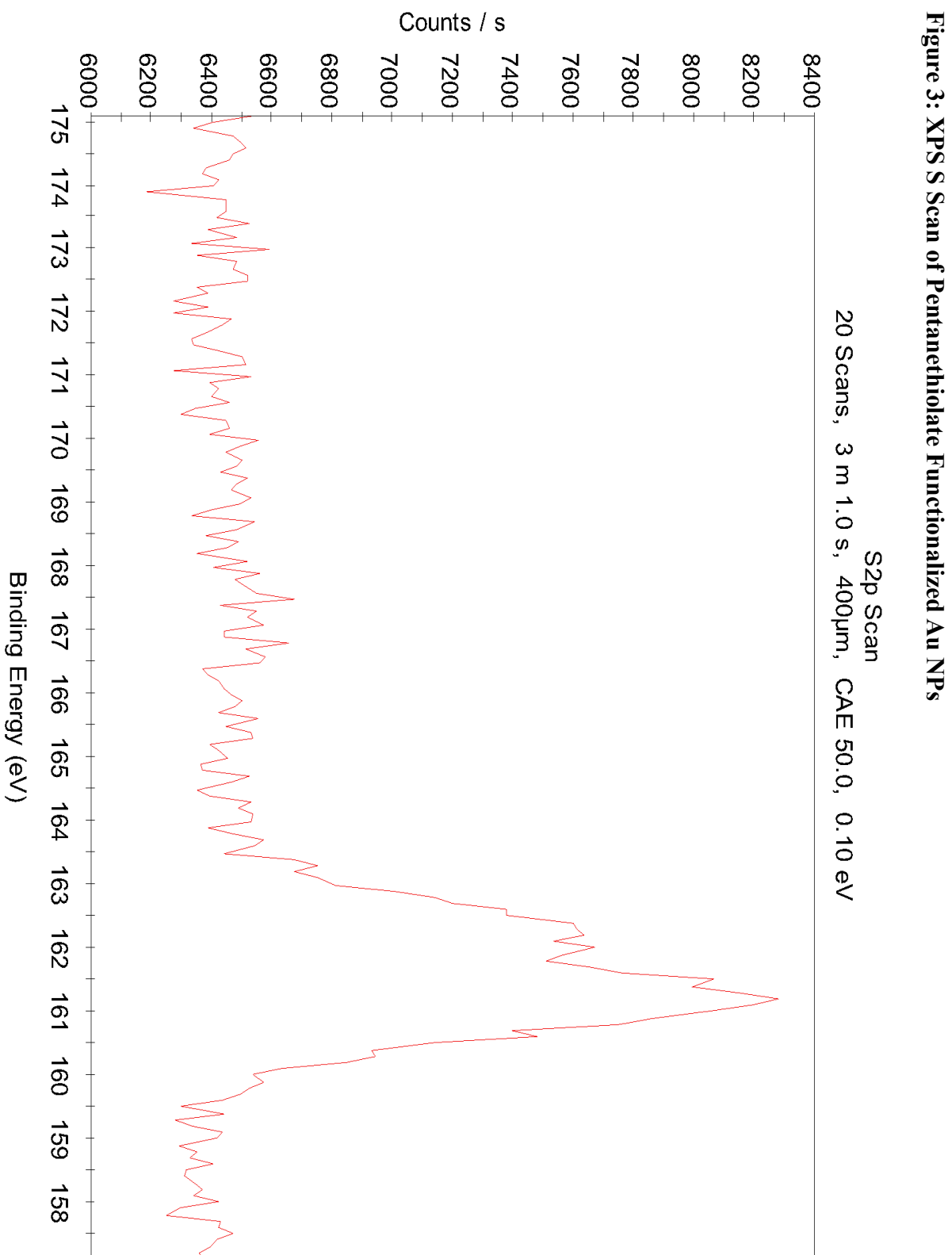


Figure 2: XPS Au Scan of Pentanethiolate Functionalized Au NPs





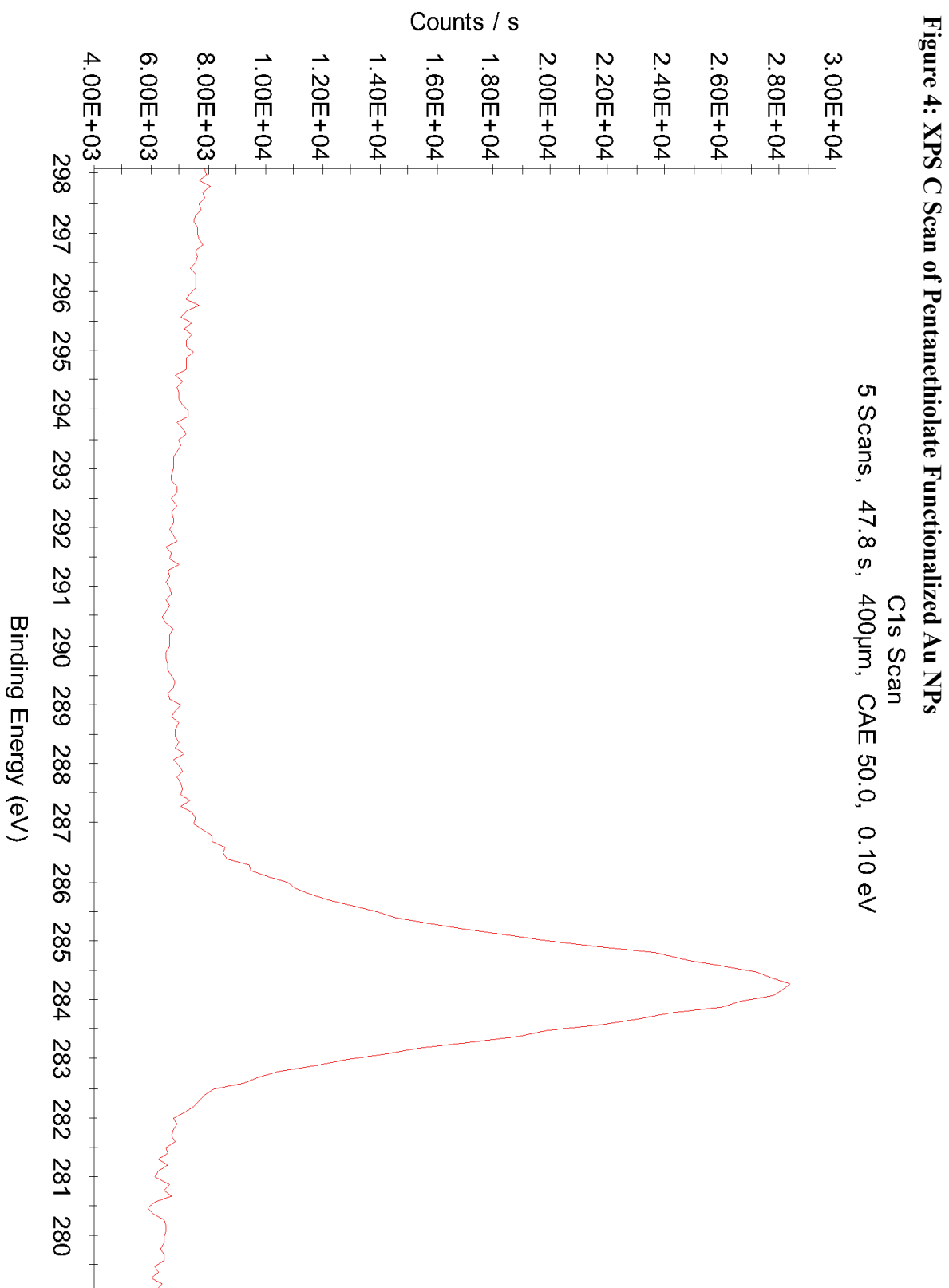
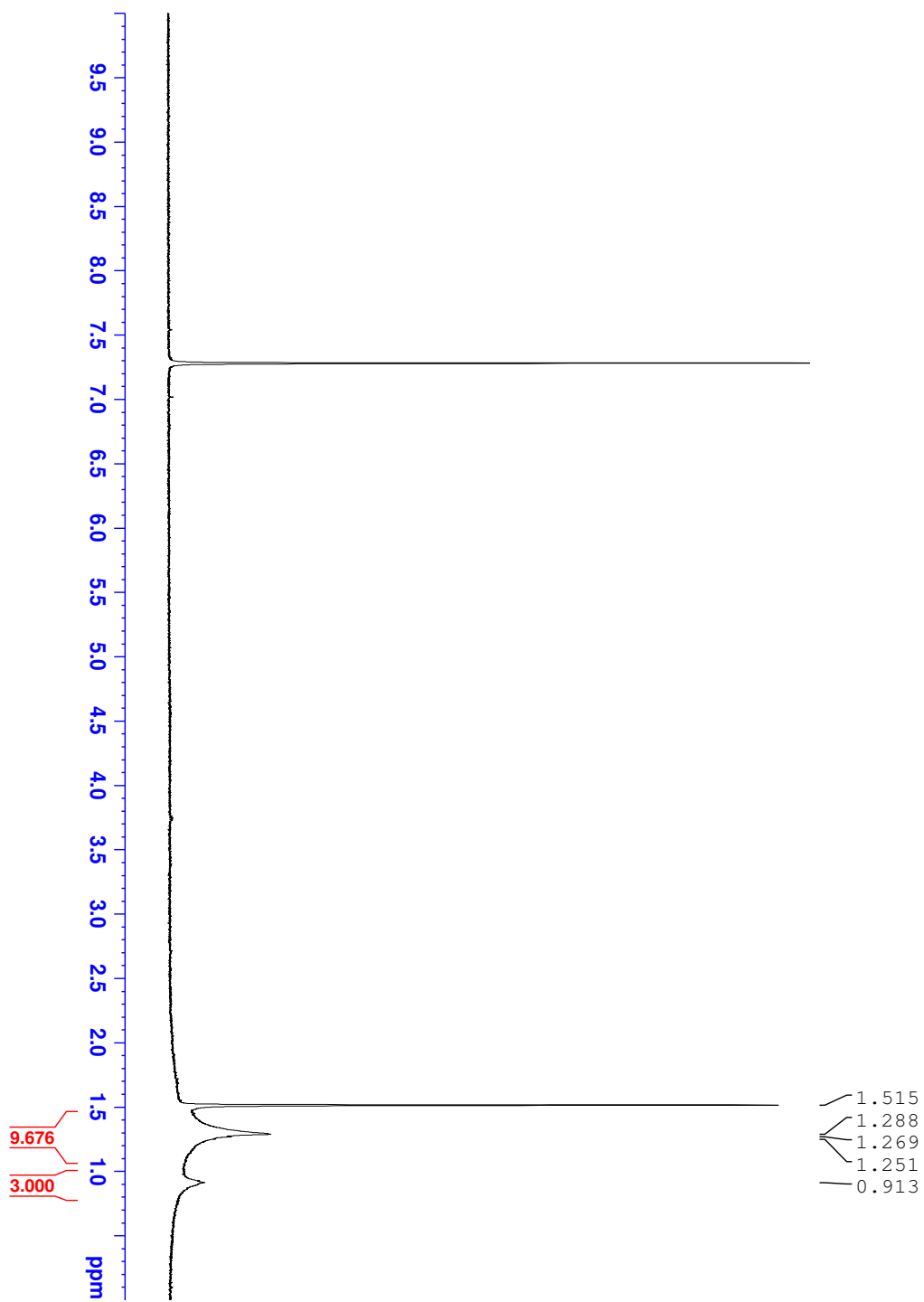


Figure 5: Dodecanethiolate Functionalized Au NPs



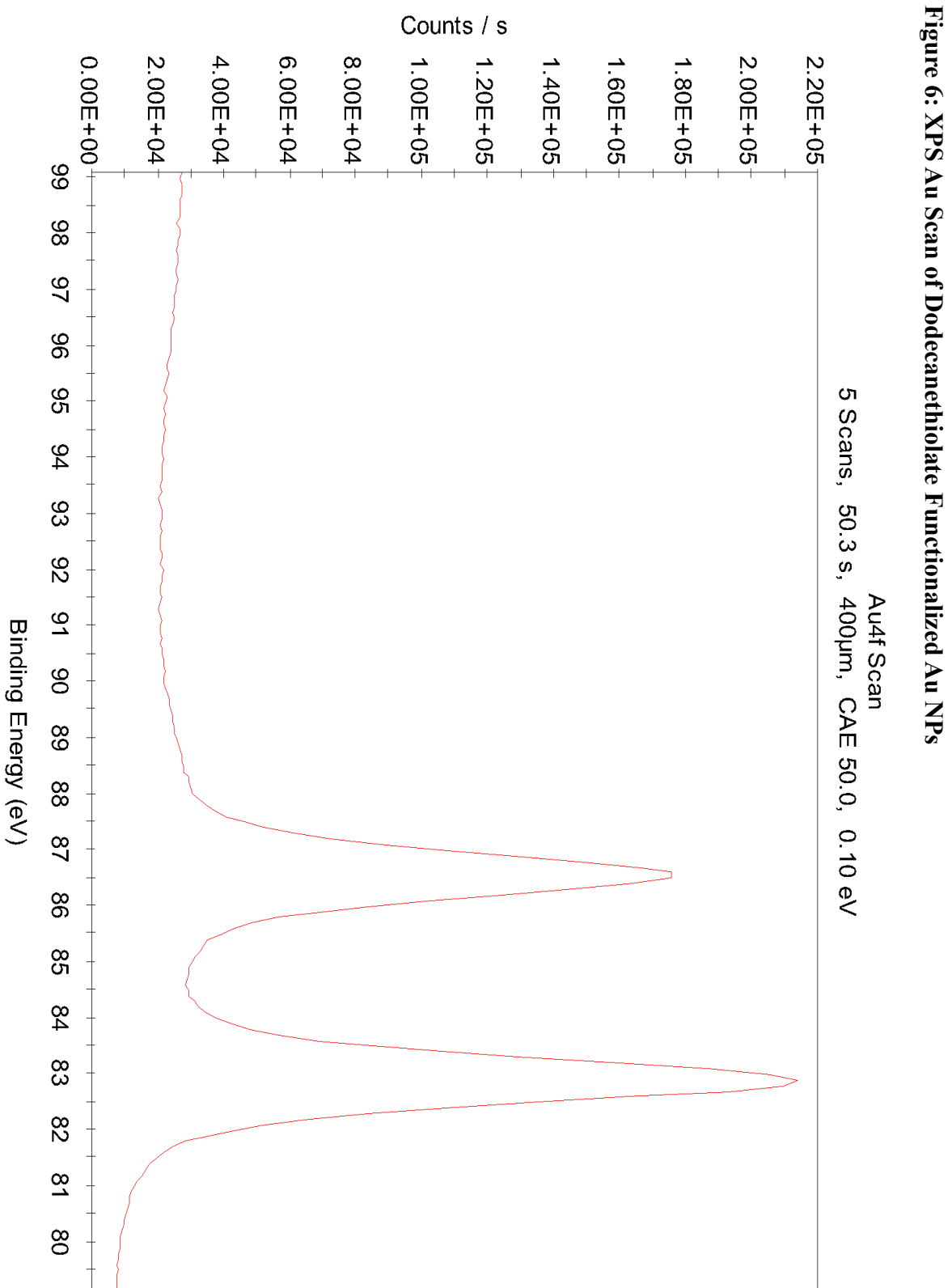
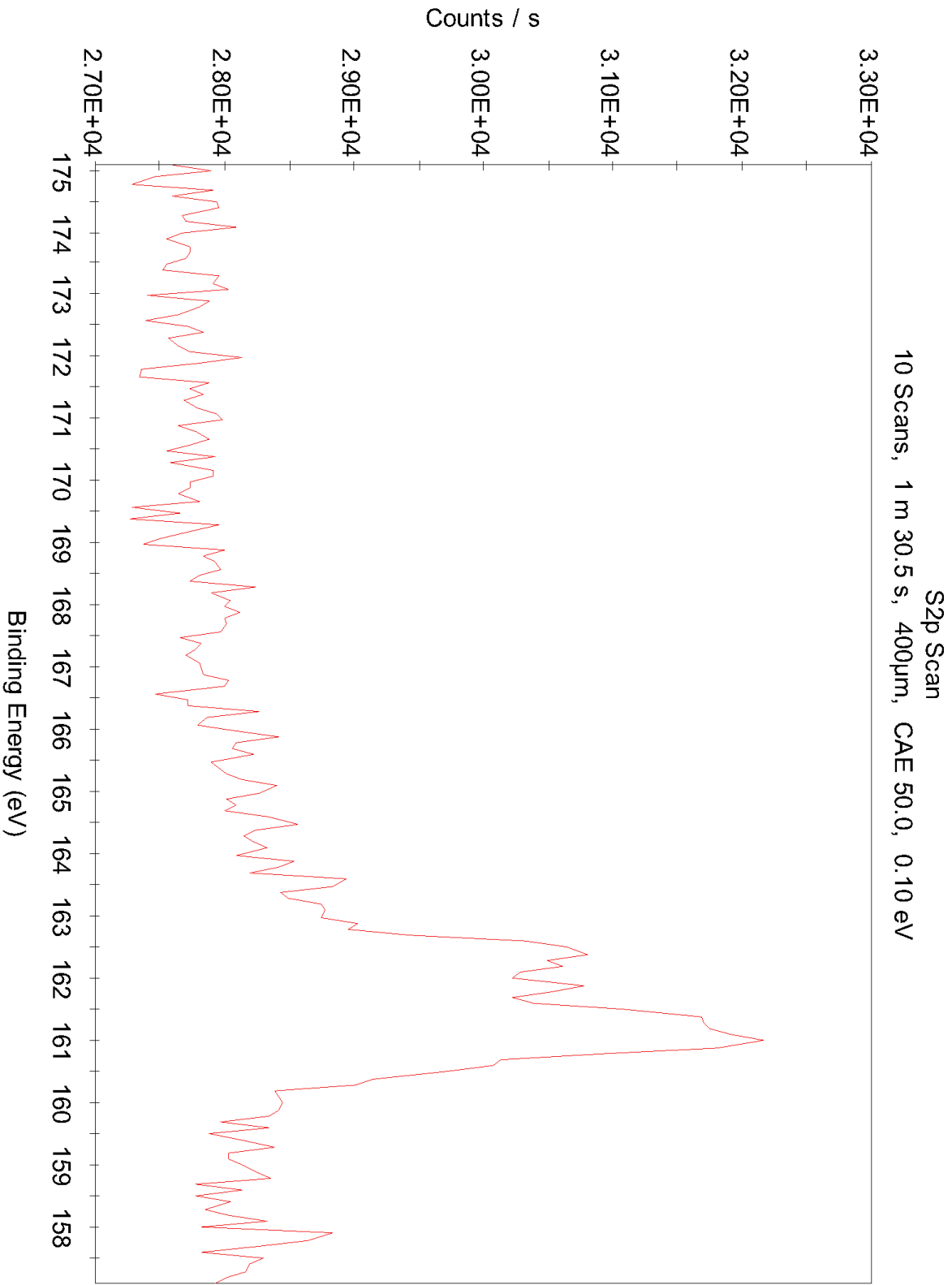


Figure 7: XPS S Scan of Dodecanethiolate Functionalized Au NPs





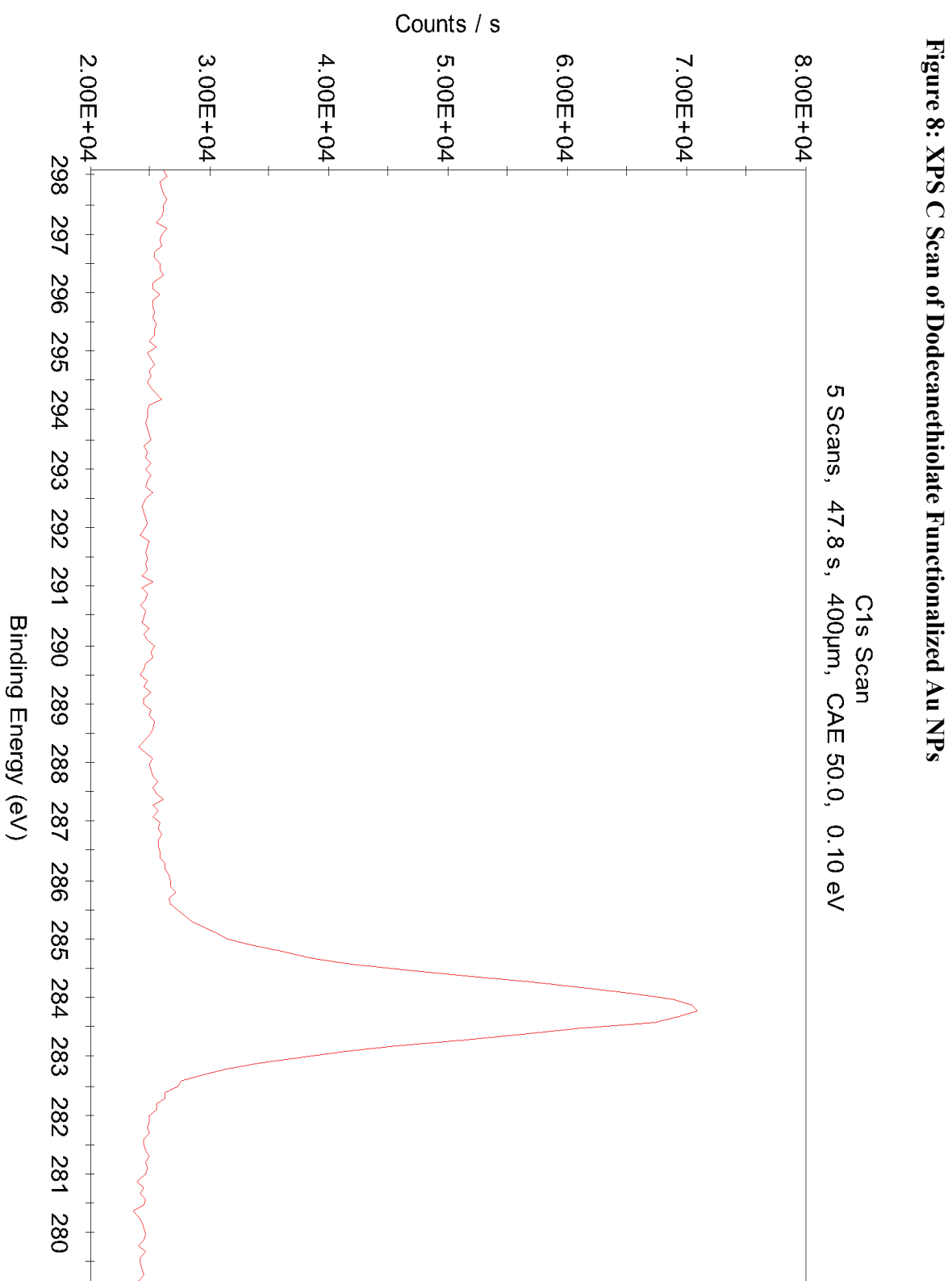
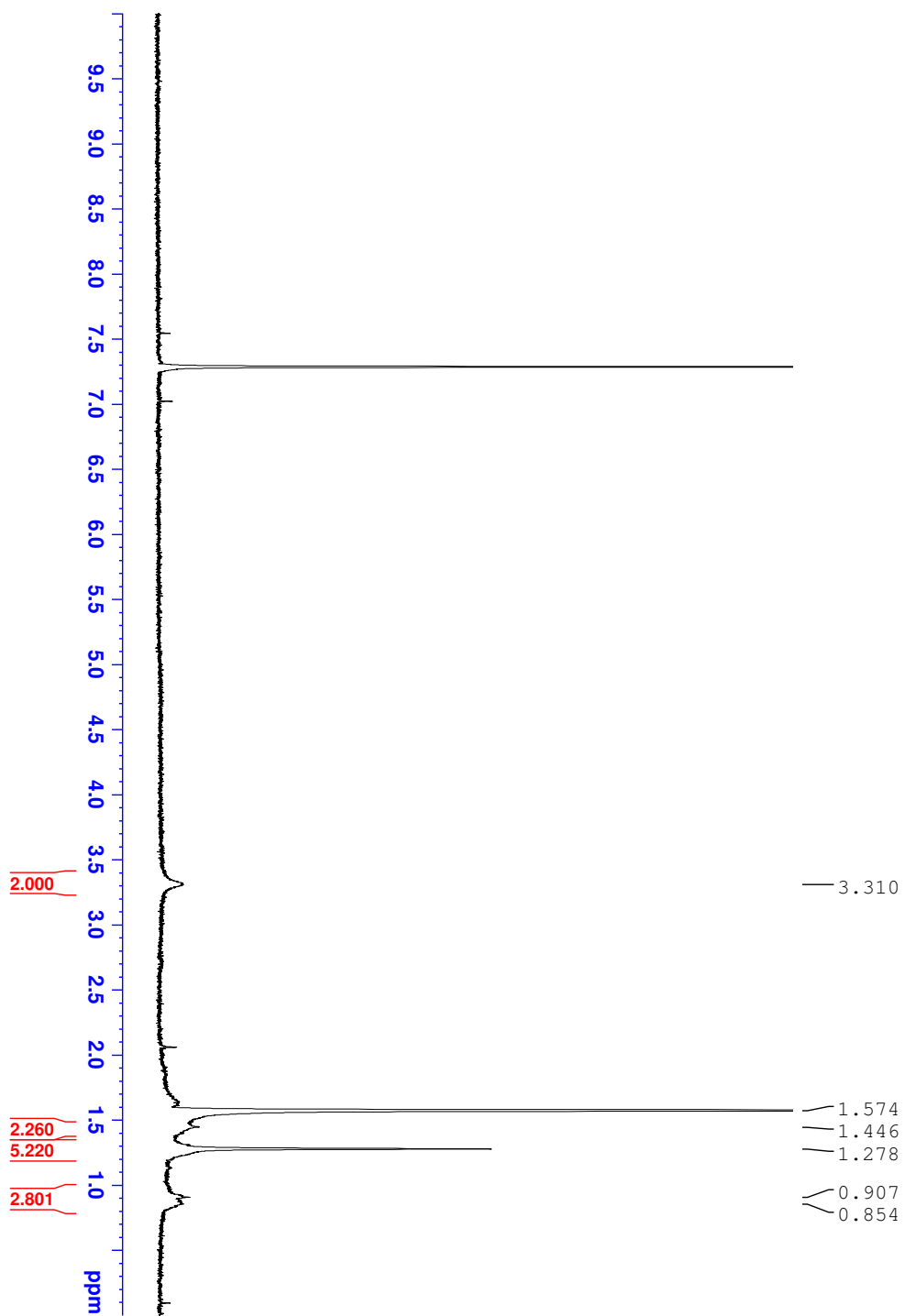


Figure 9: Azide Functionalized Au NPs



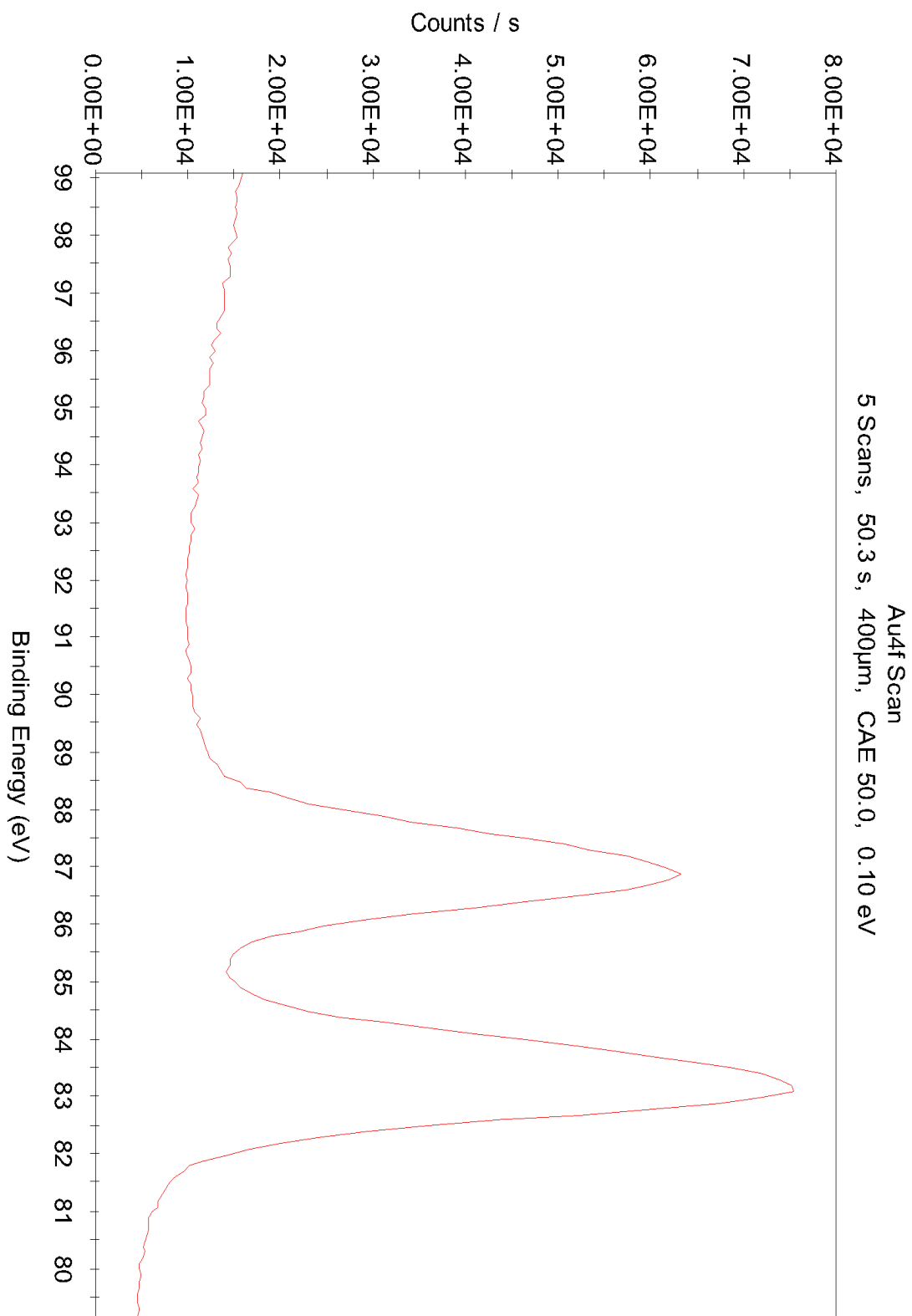
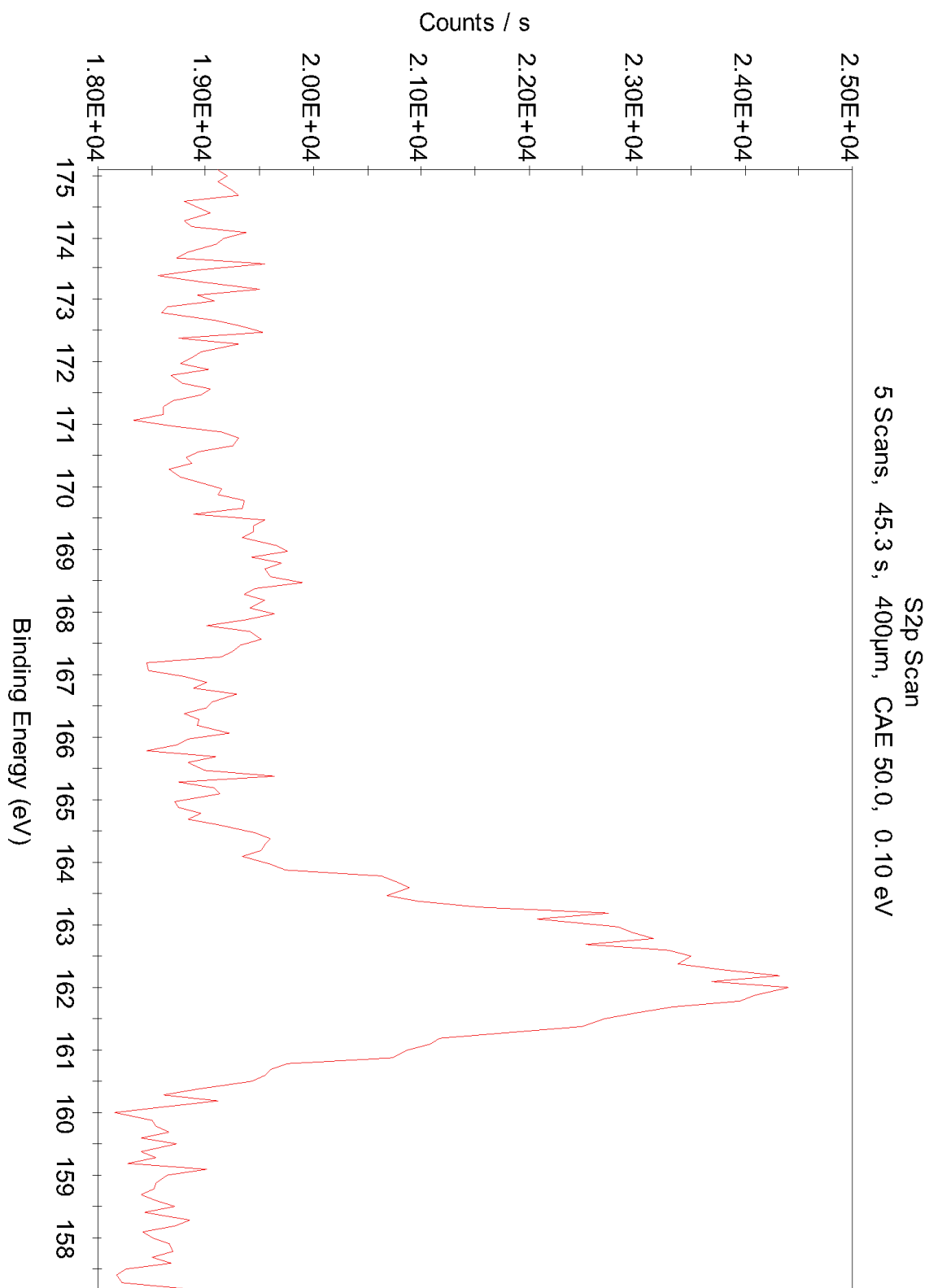
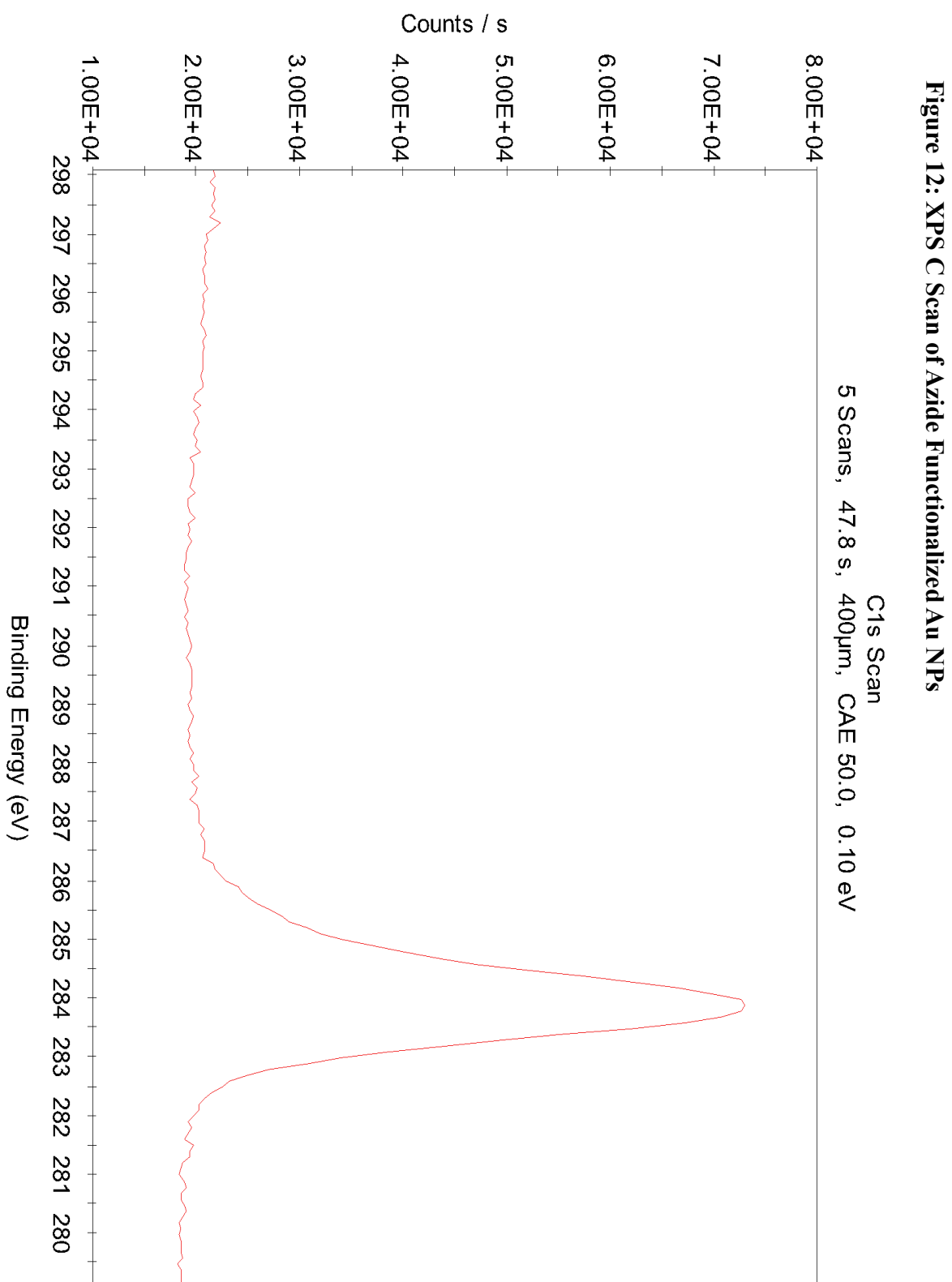


Figure 11: XPS S Scan of Azide Functionalized Au NPs





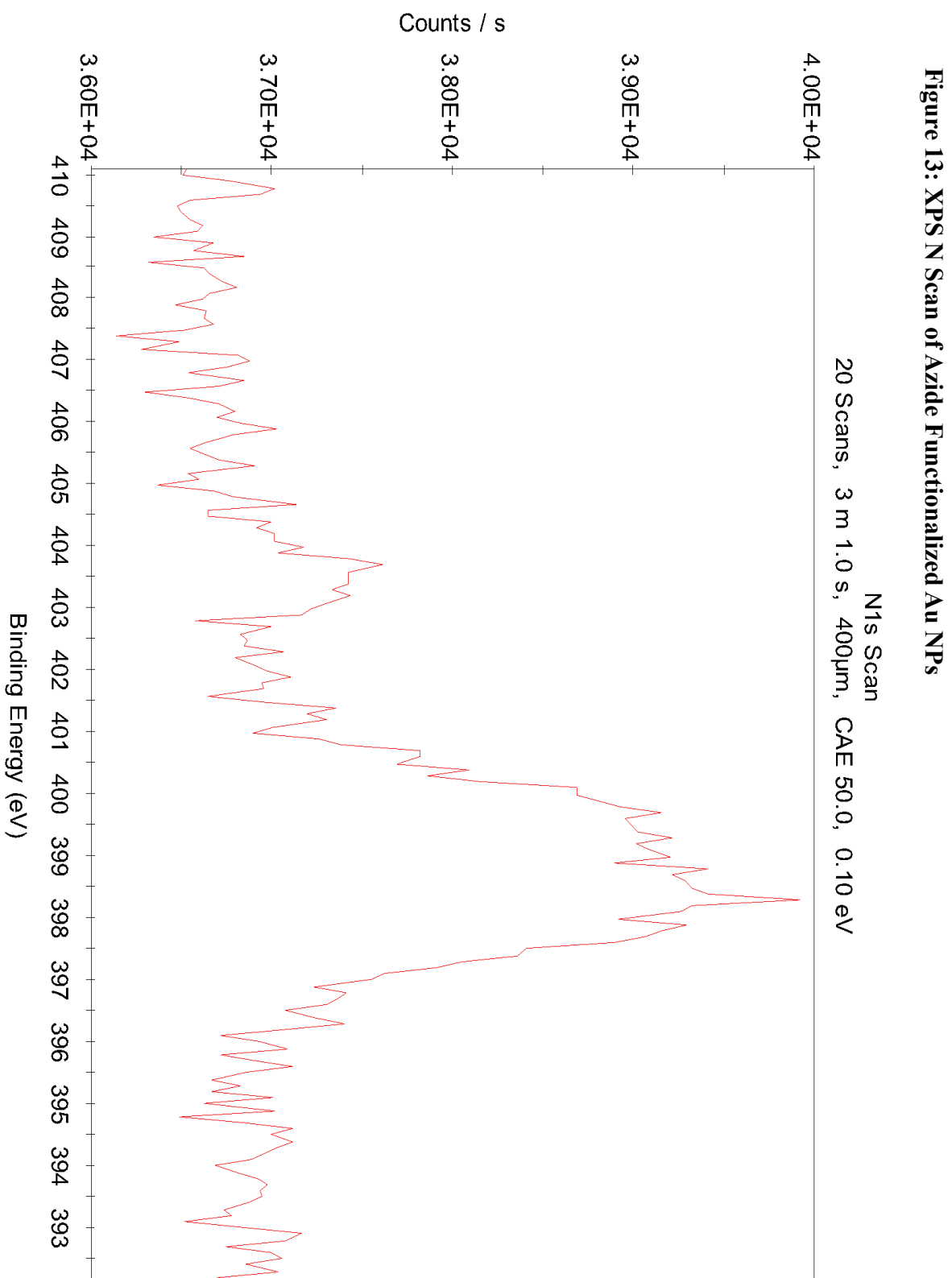
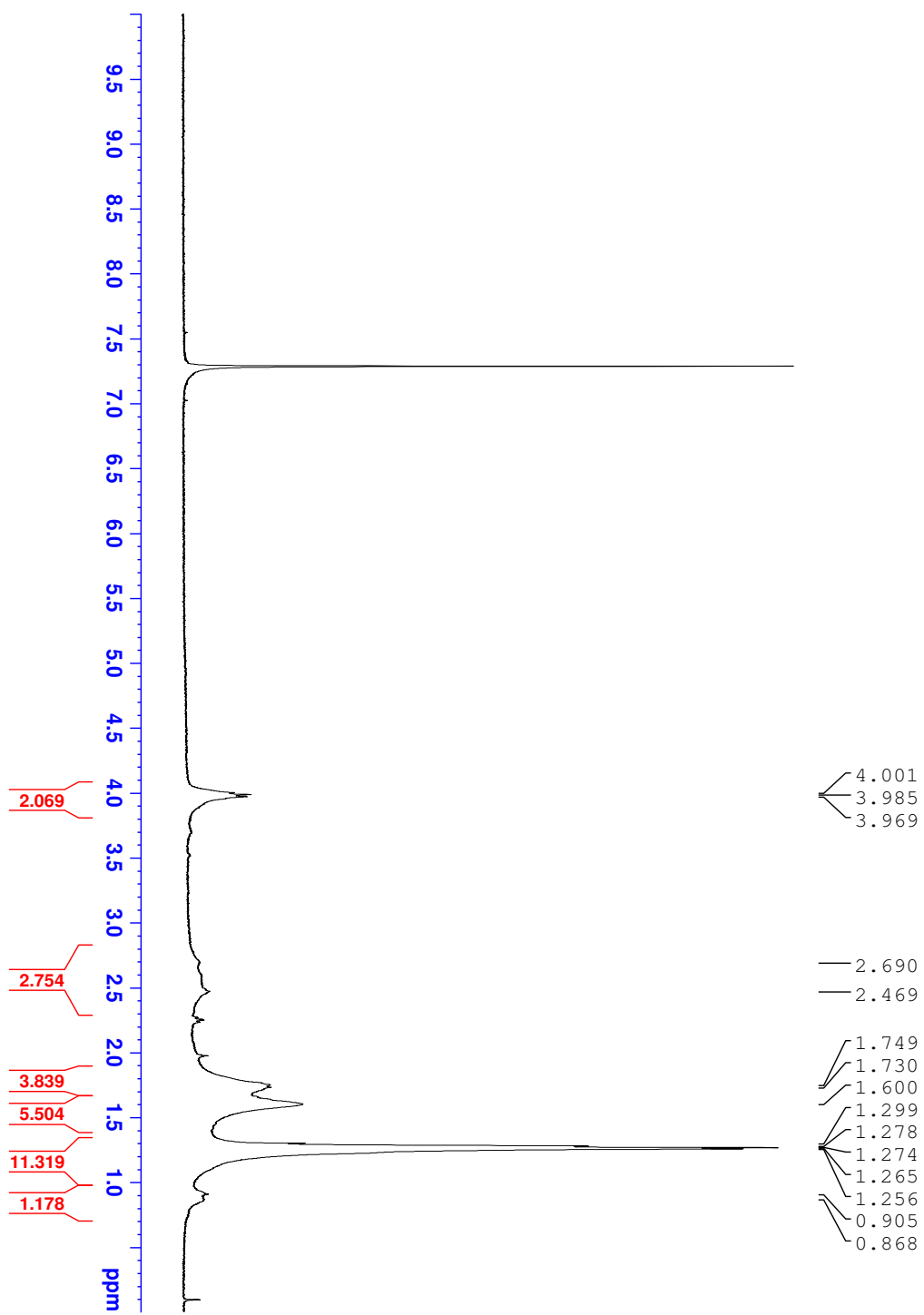
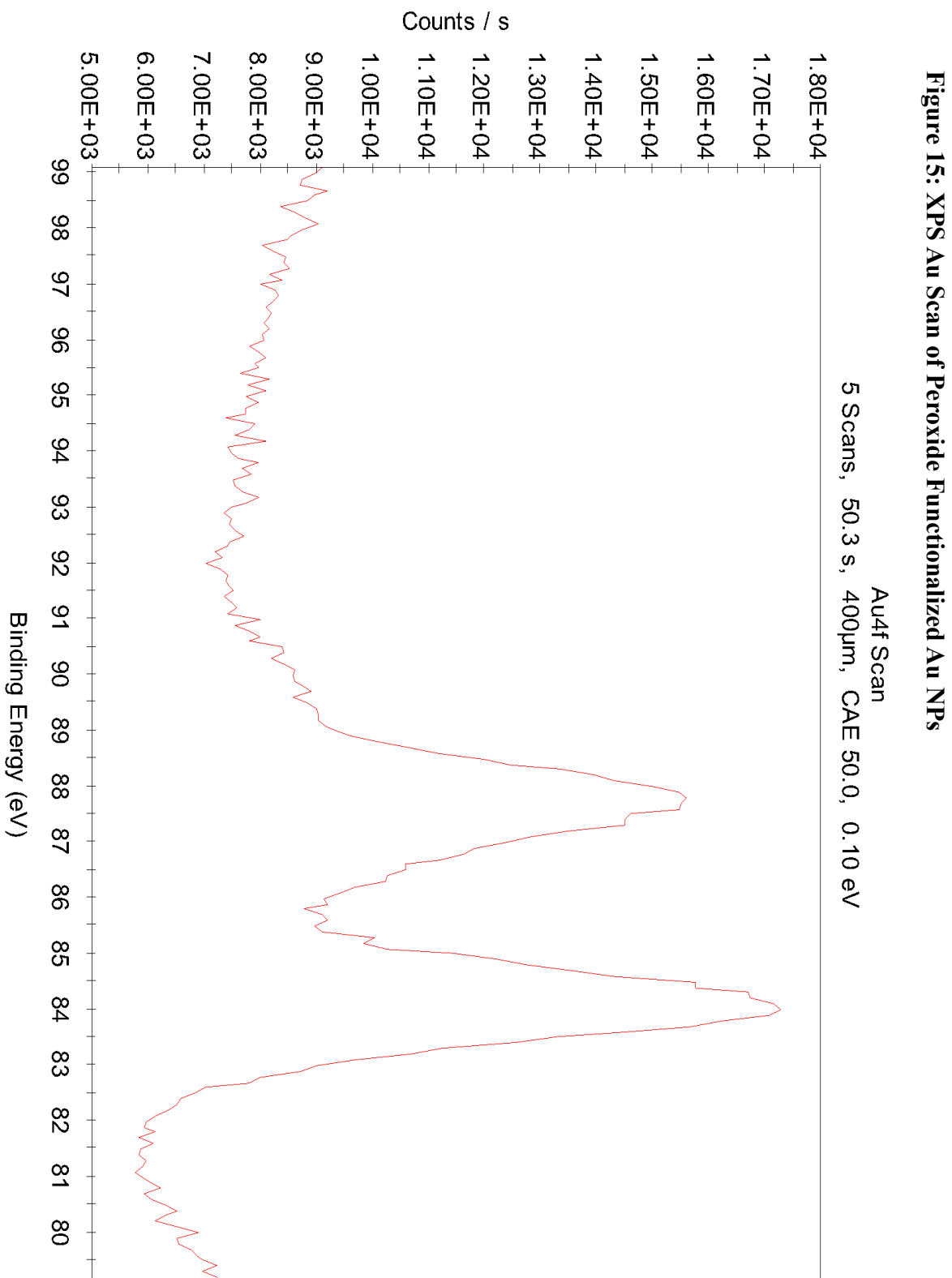
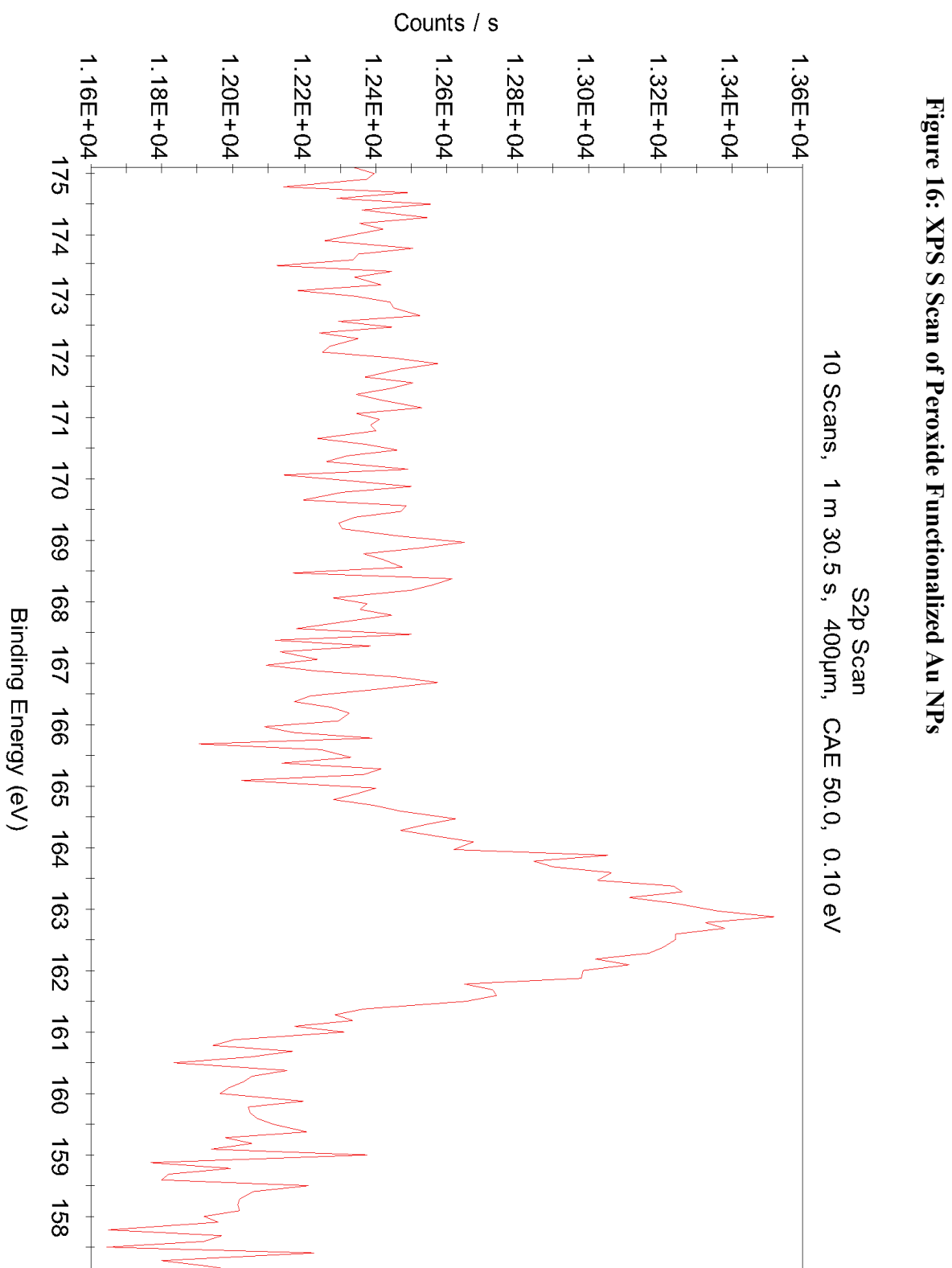


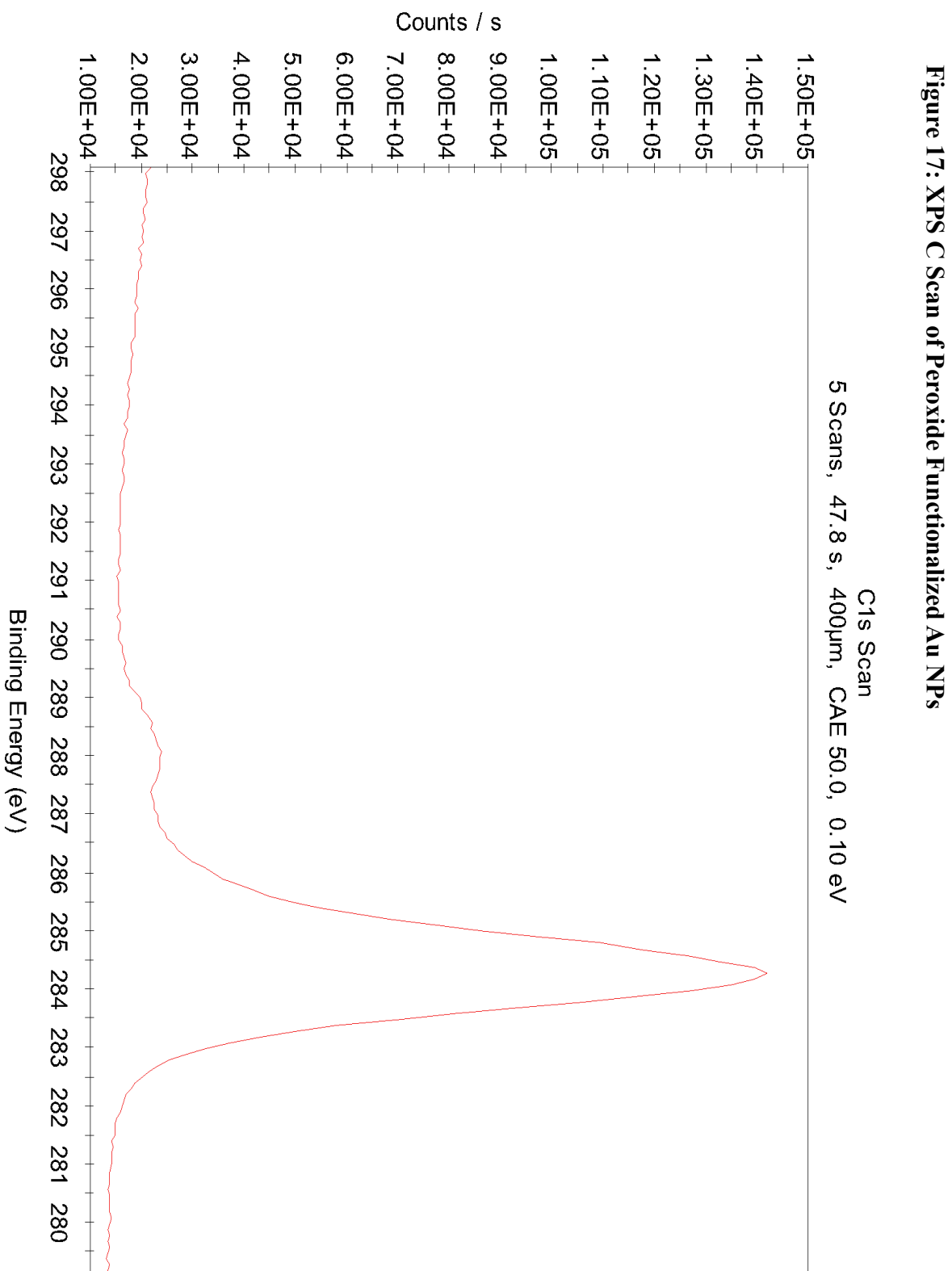
Figure 14: Peroxide Functionalized Au NPs











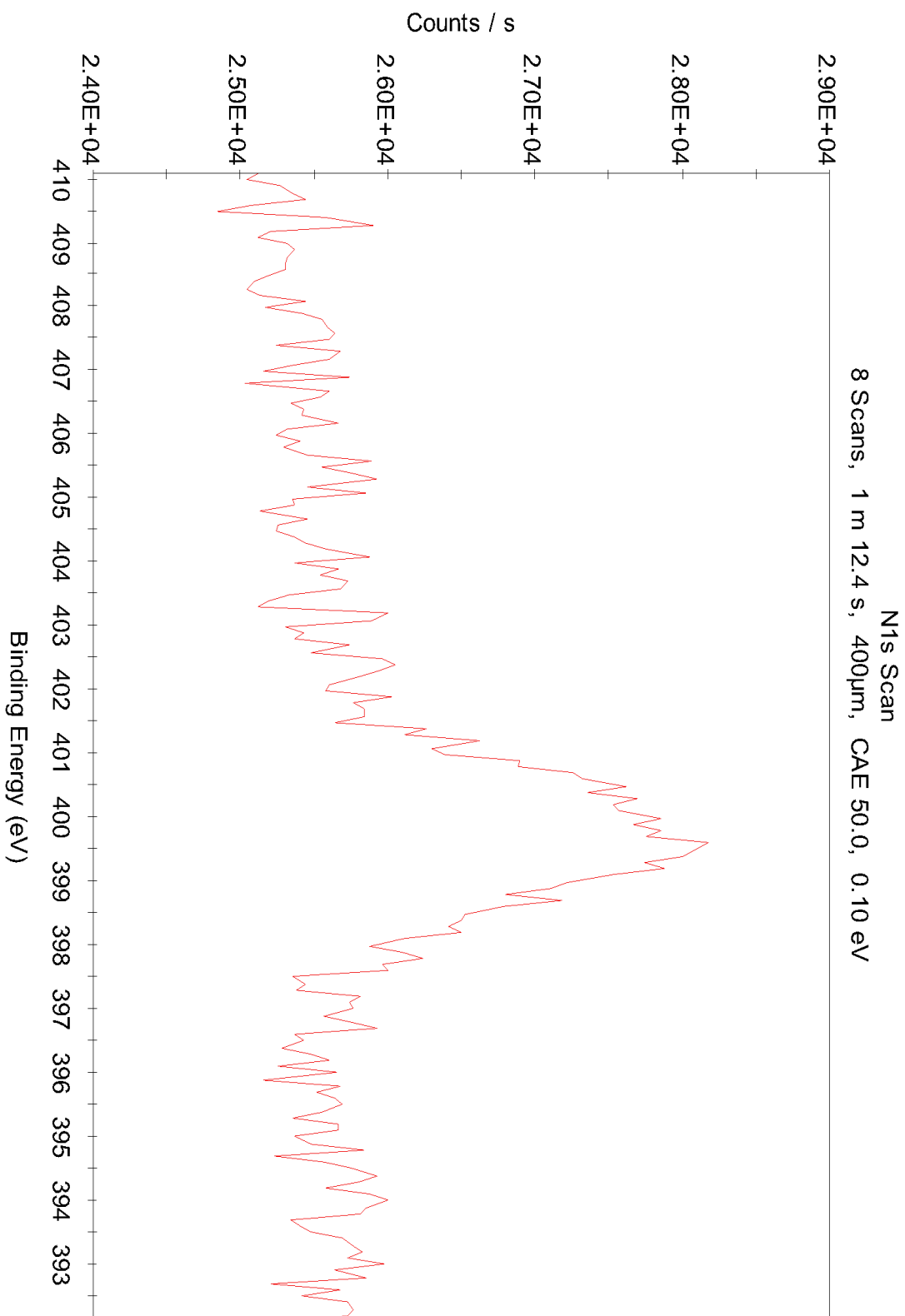


Figure 18: XPS N Scan of Peroxide Functionalized Au NPs

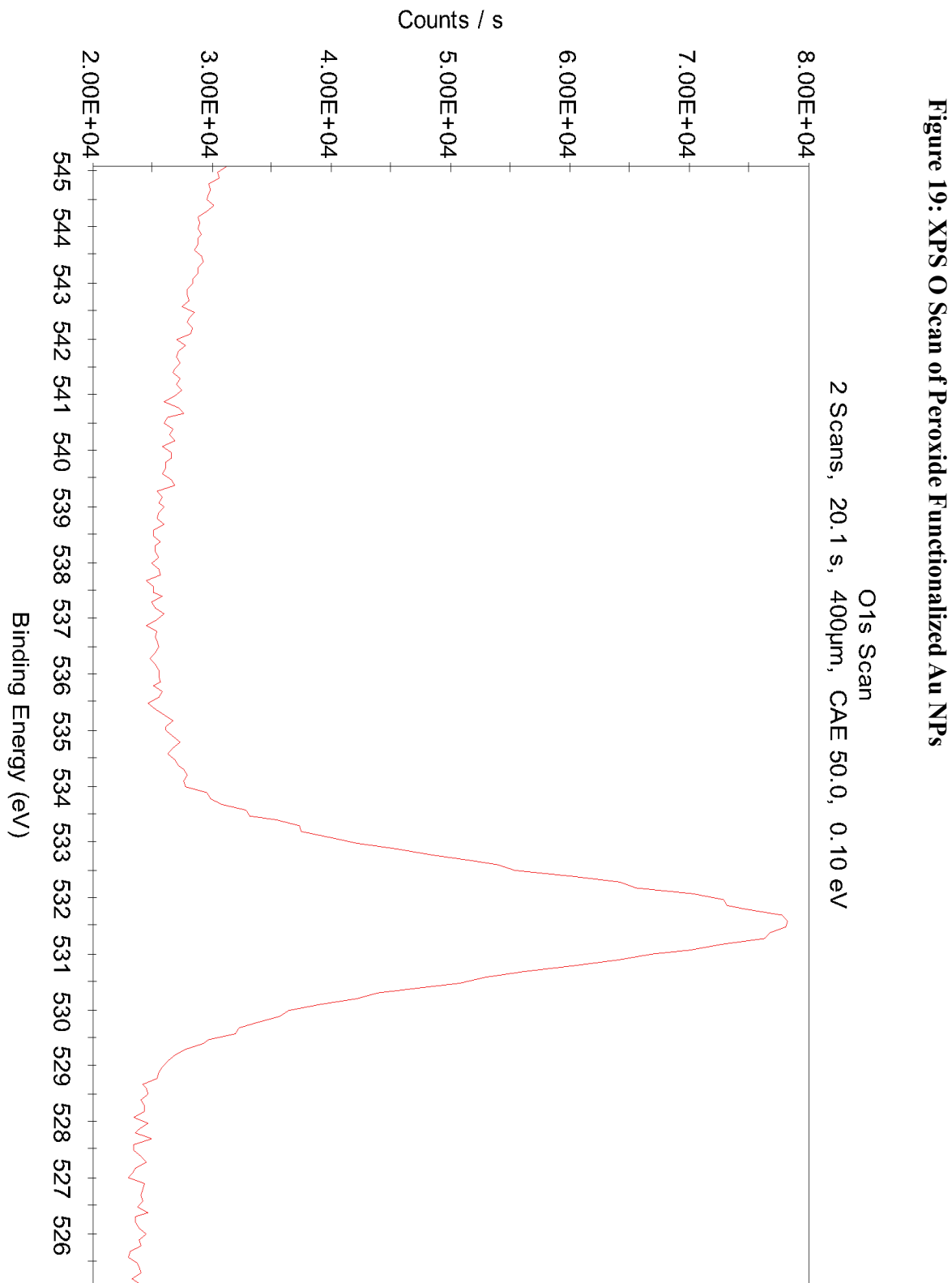
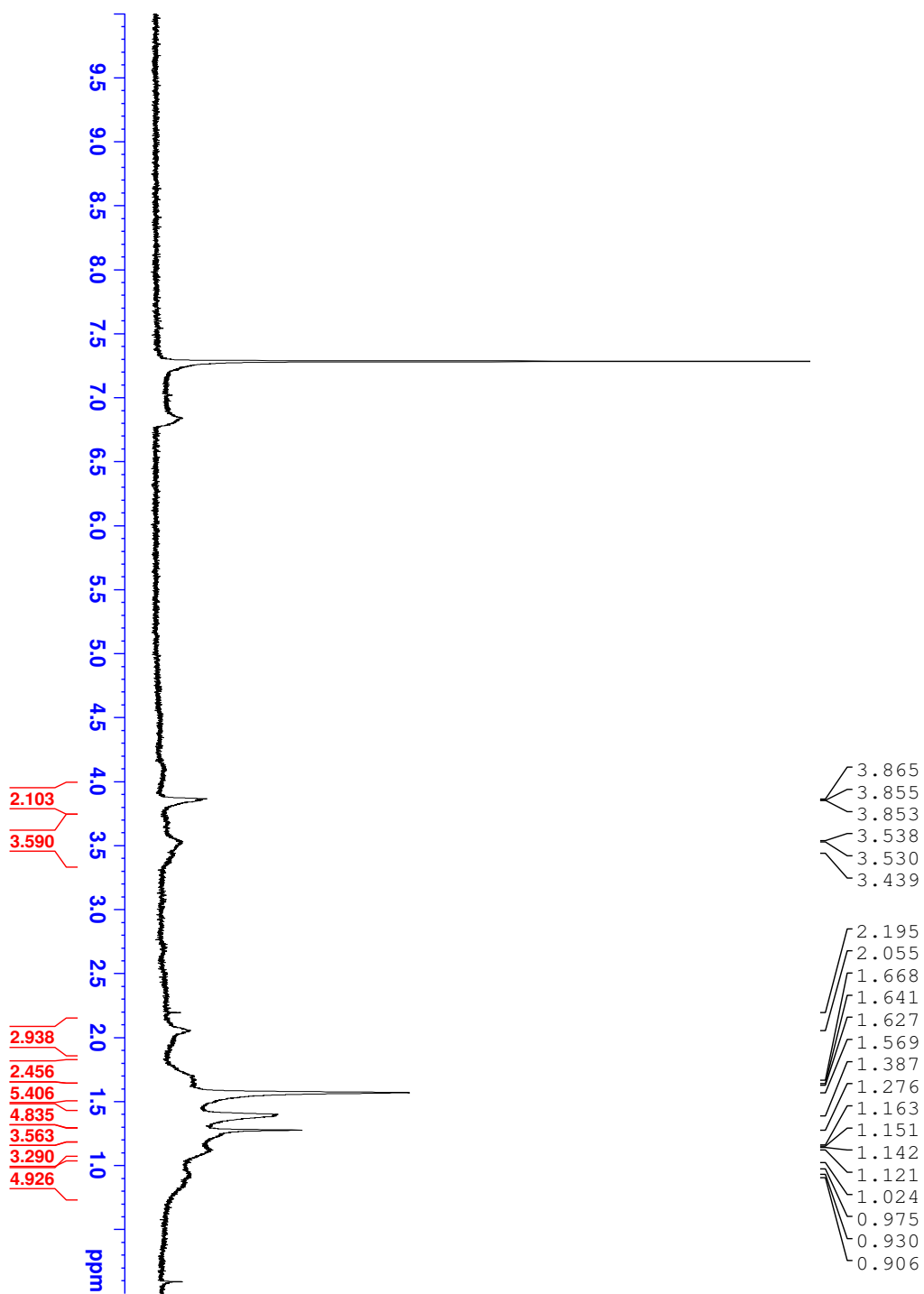


Figure 20: Peroxyacetal Functionalized Au NPs



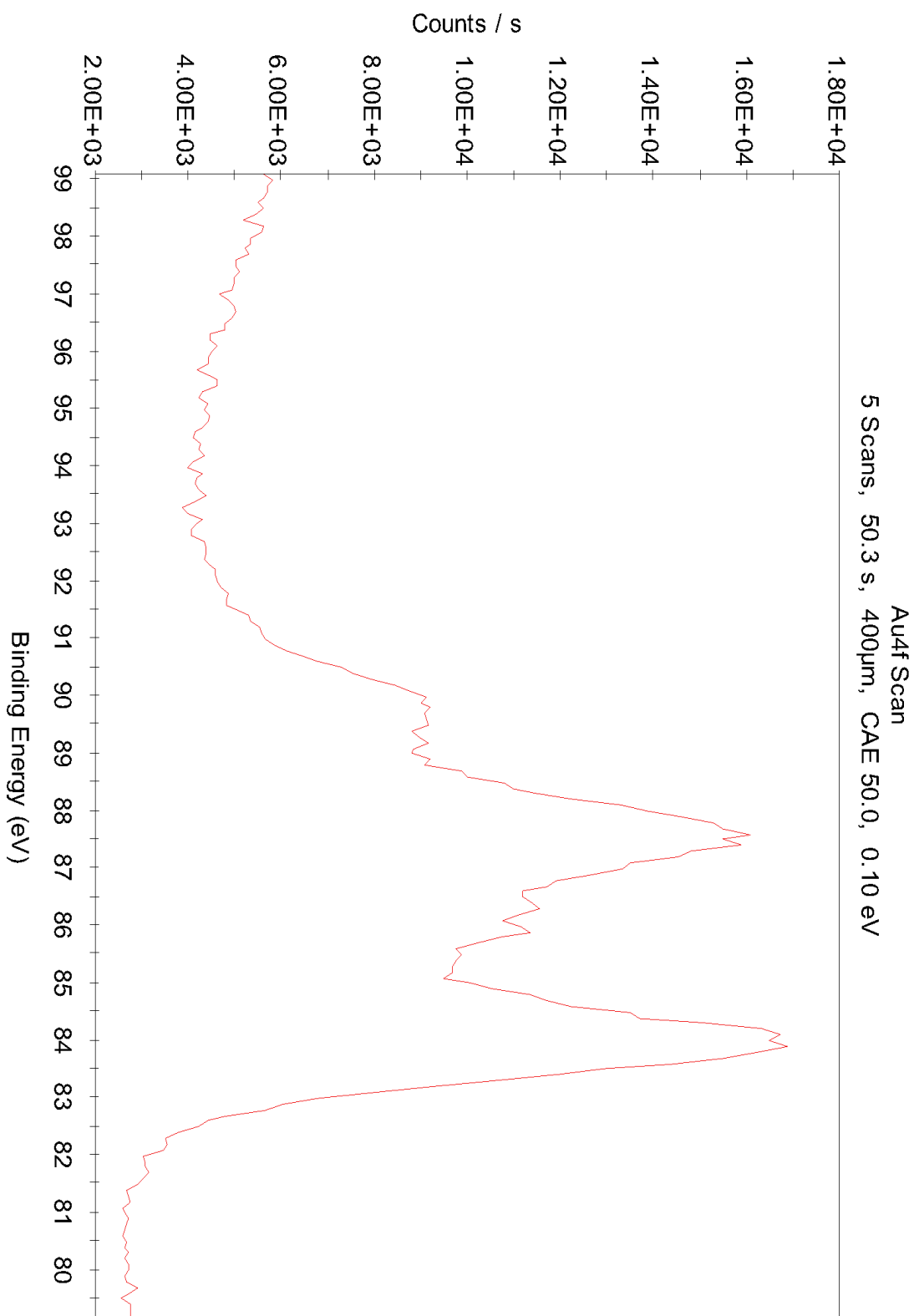
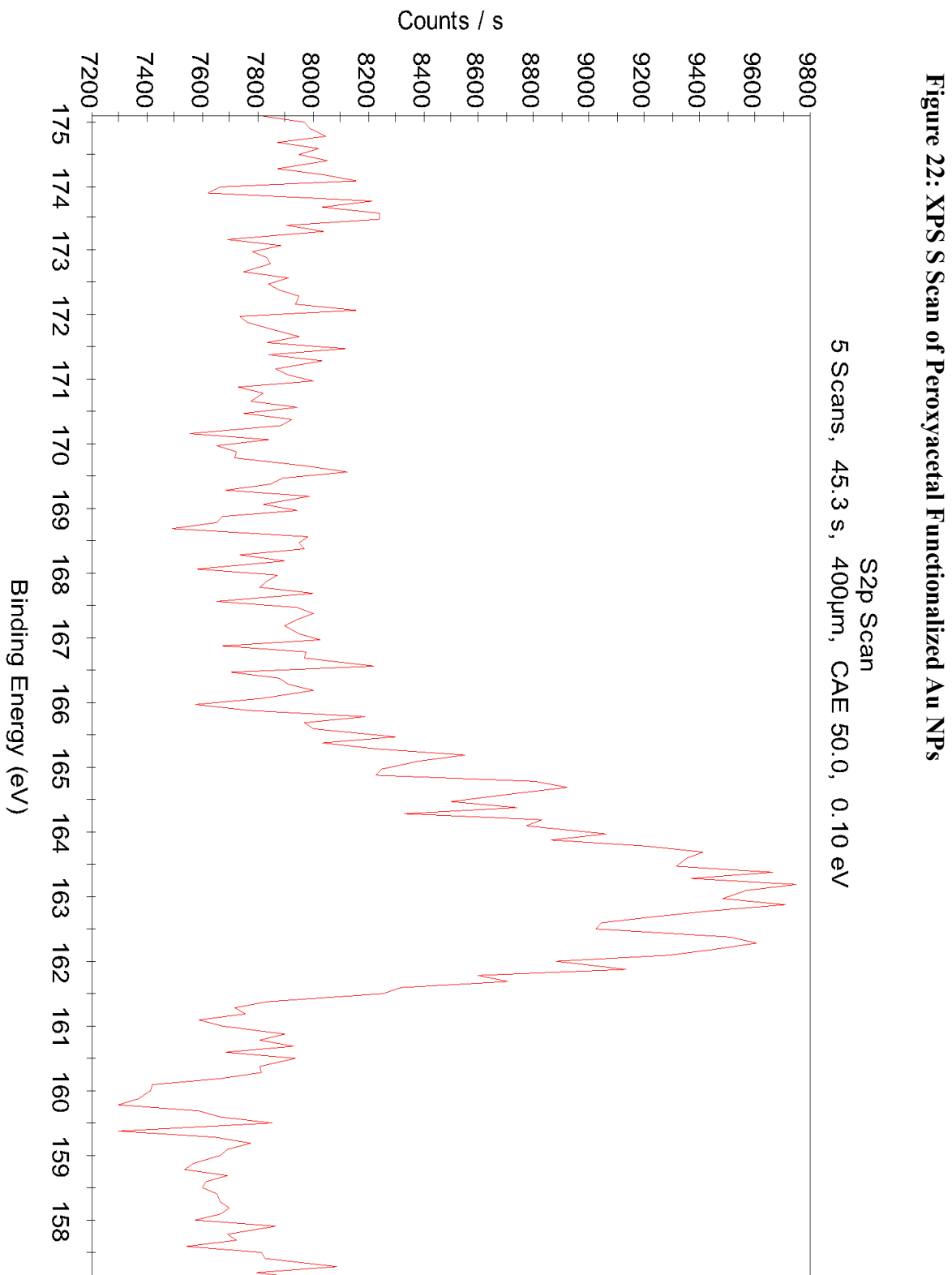


Figure 21: XPS Au Scan of Peroxyacetal Functionalized Au NPs



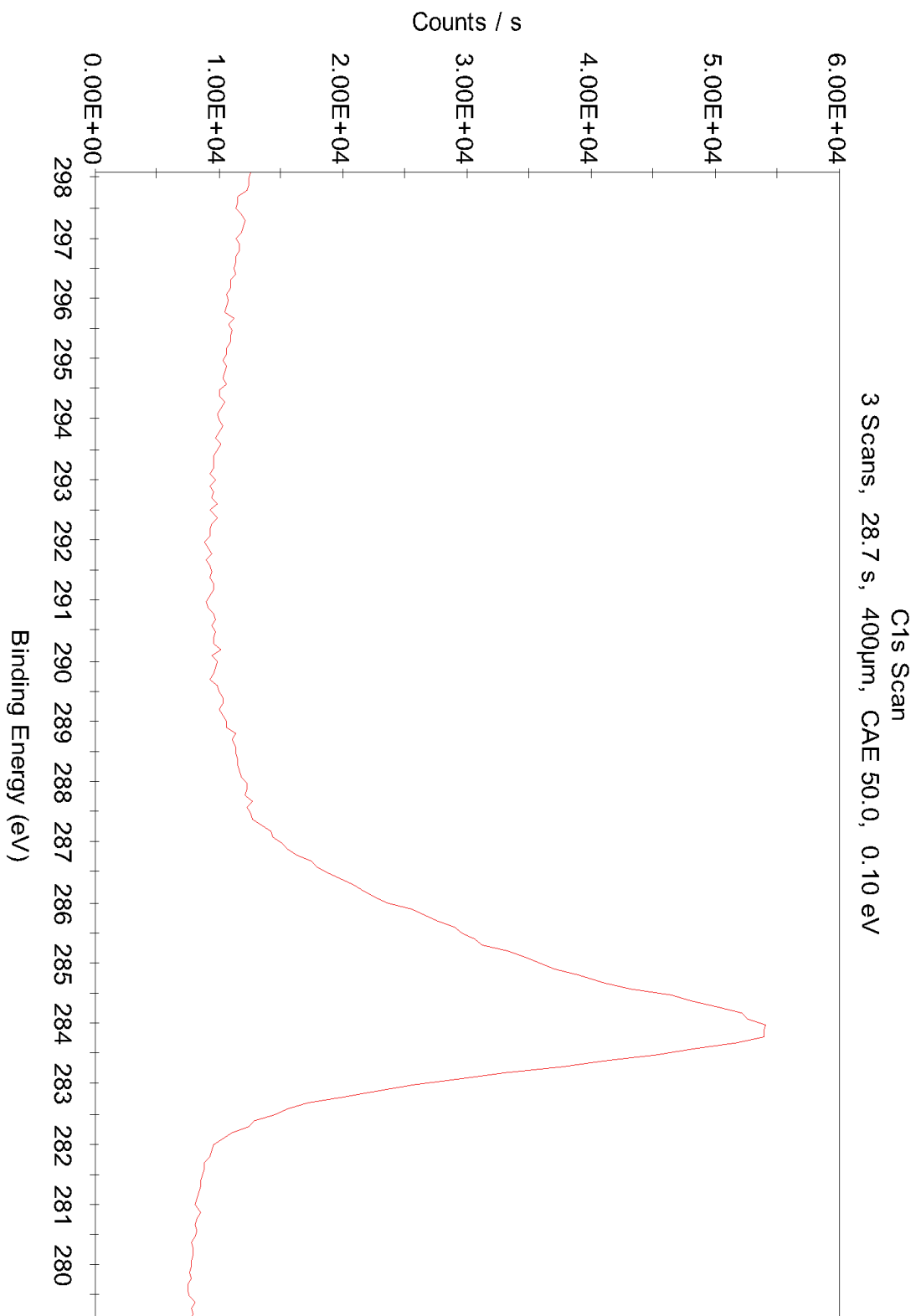


Figure 23: XPS C Scan of Peroxyacetal Functionalized Au NPs



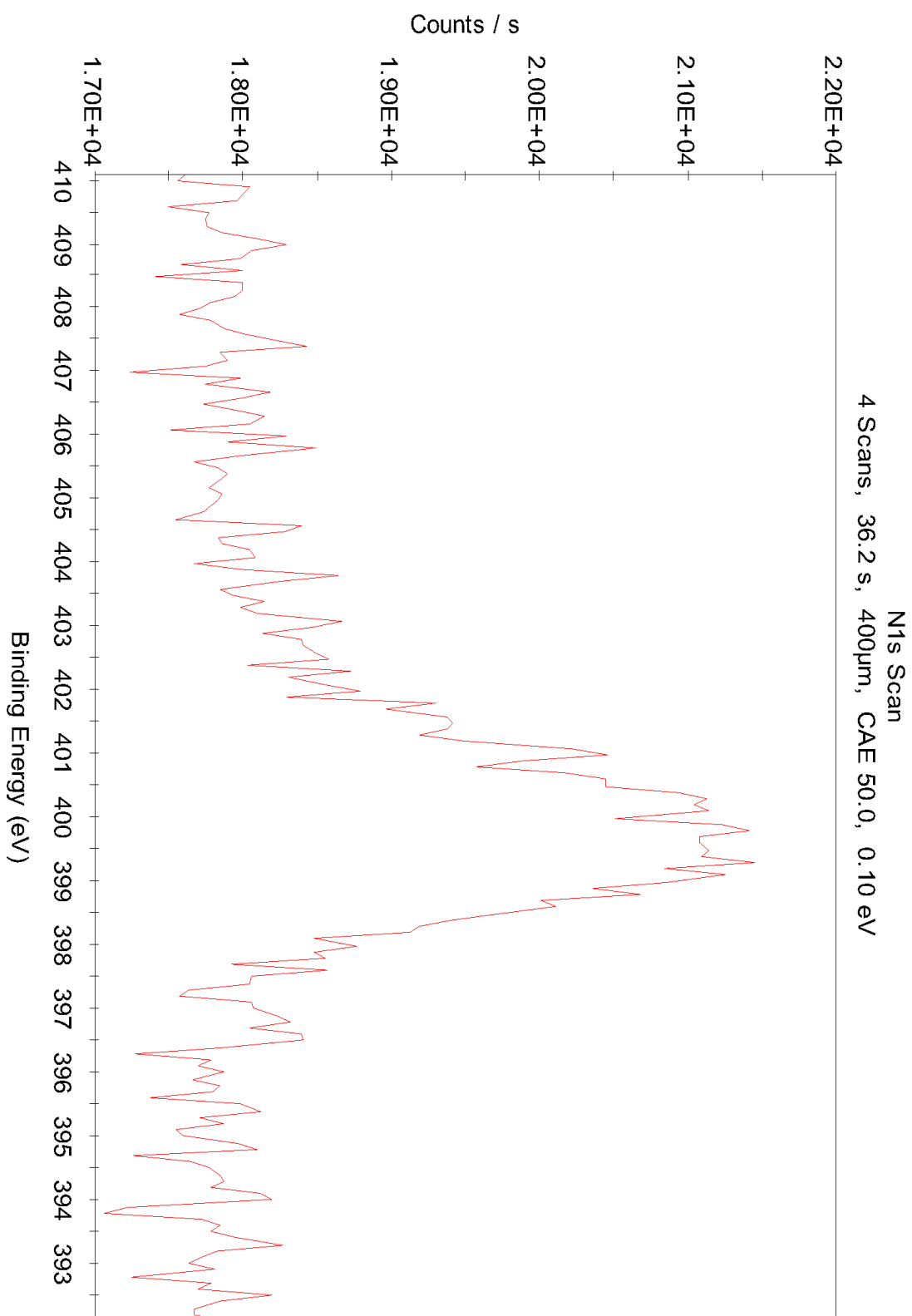


Figure 24: XPS N Scan of Peroxyacetal Functionalized Au NPs

