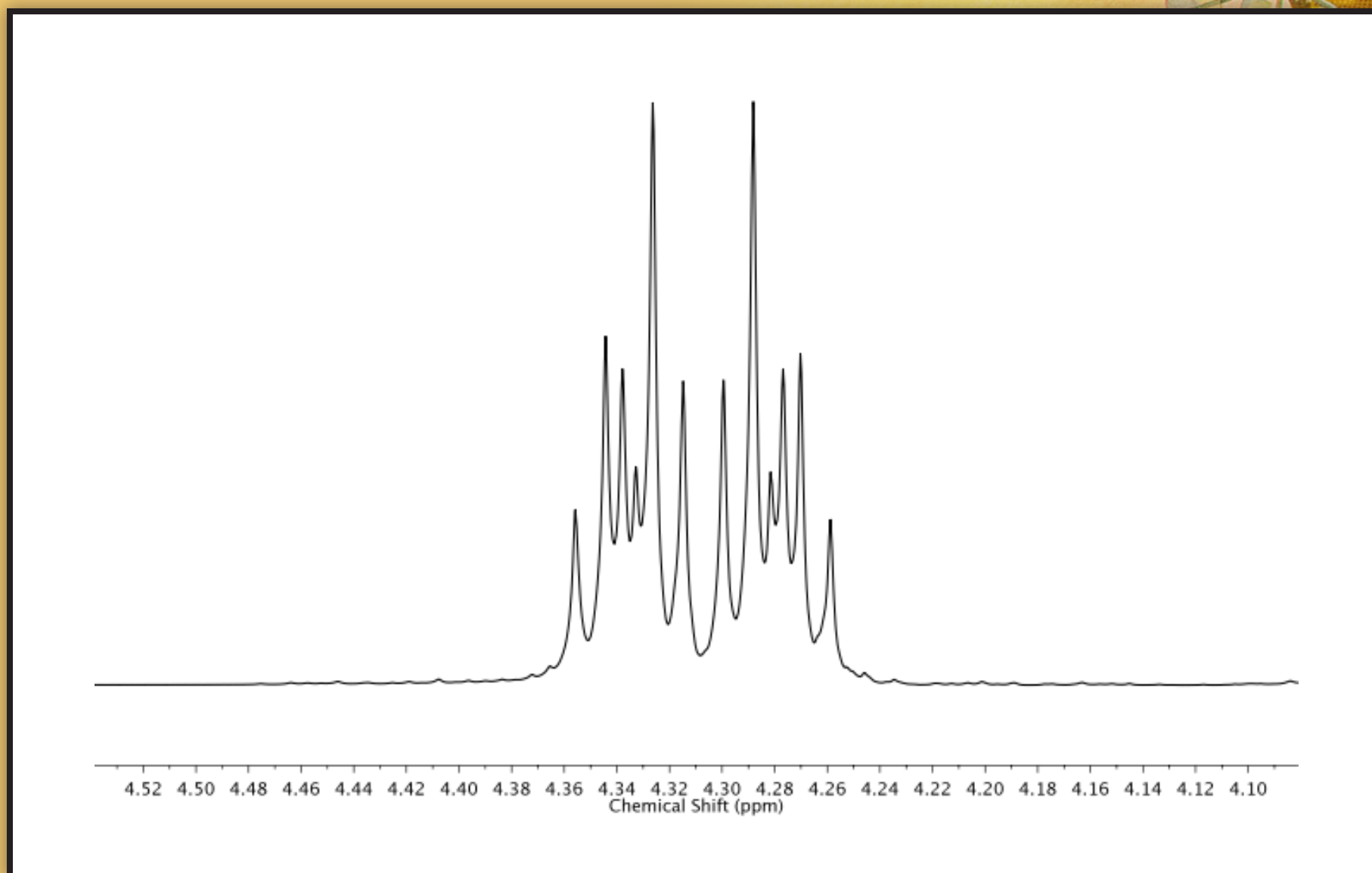


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ART



(±)-4,7,12,15-tetra(butyl ester)[2.2]paracyclophane

Danielle Fagnani, PhD, 2017

Chemistry Department | University of Michigan

Field strength: 500 MHz

Why is this your favorite spectrum?

The splitting pattern shown here is part of the most compelling NMR spectrum I took during my entire PhD. I was expecting an ordinary triplet, but the resonance turned out to be two doublets of triplets because of the unique symmetry imparted by the [2.2]paracyclophane scaffold. This is elegant display of molecular and mathematical symmetry!