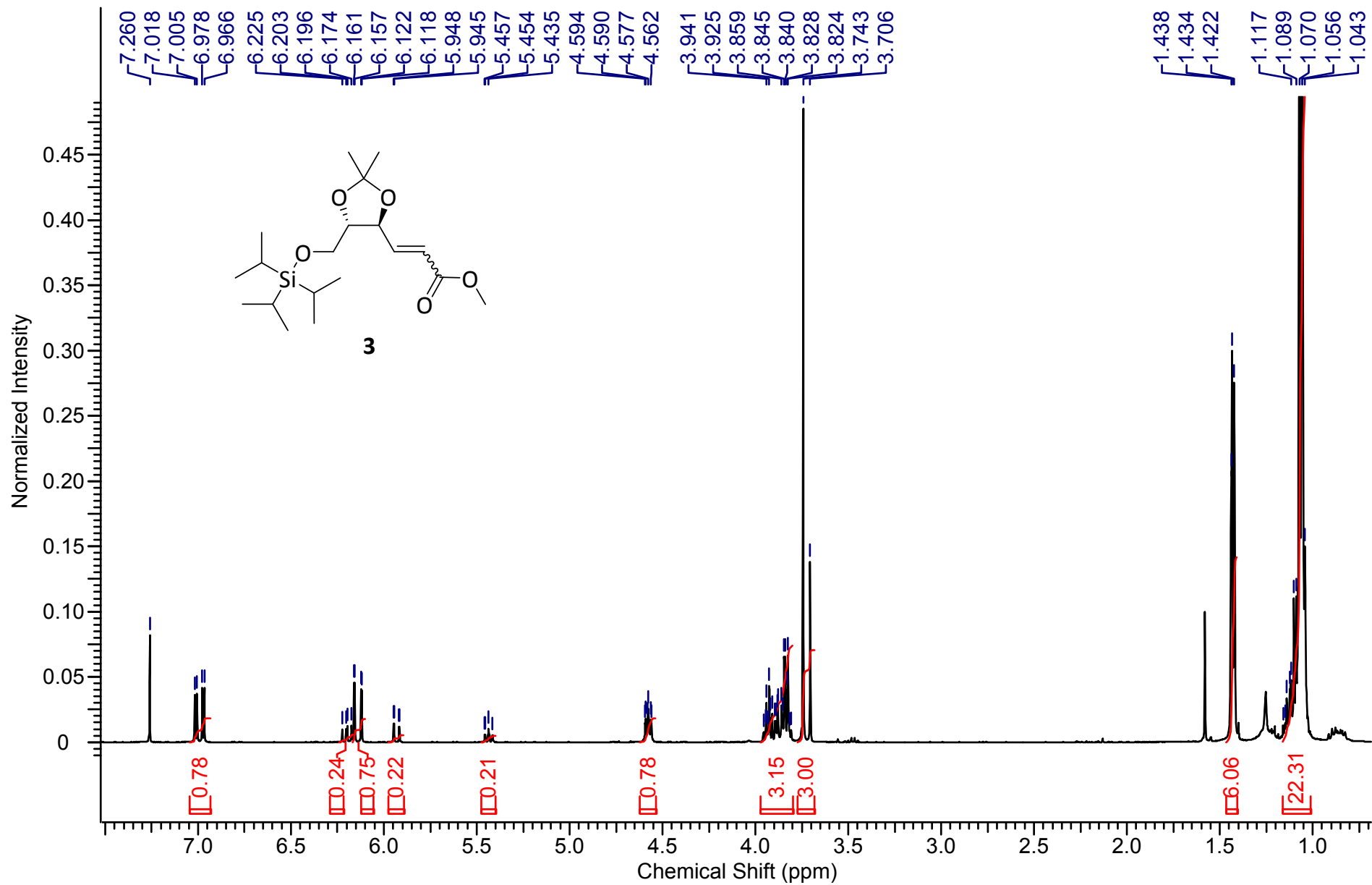


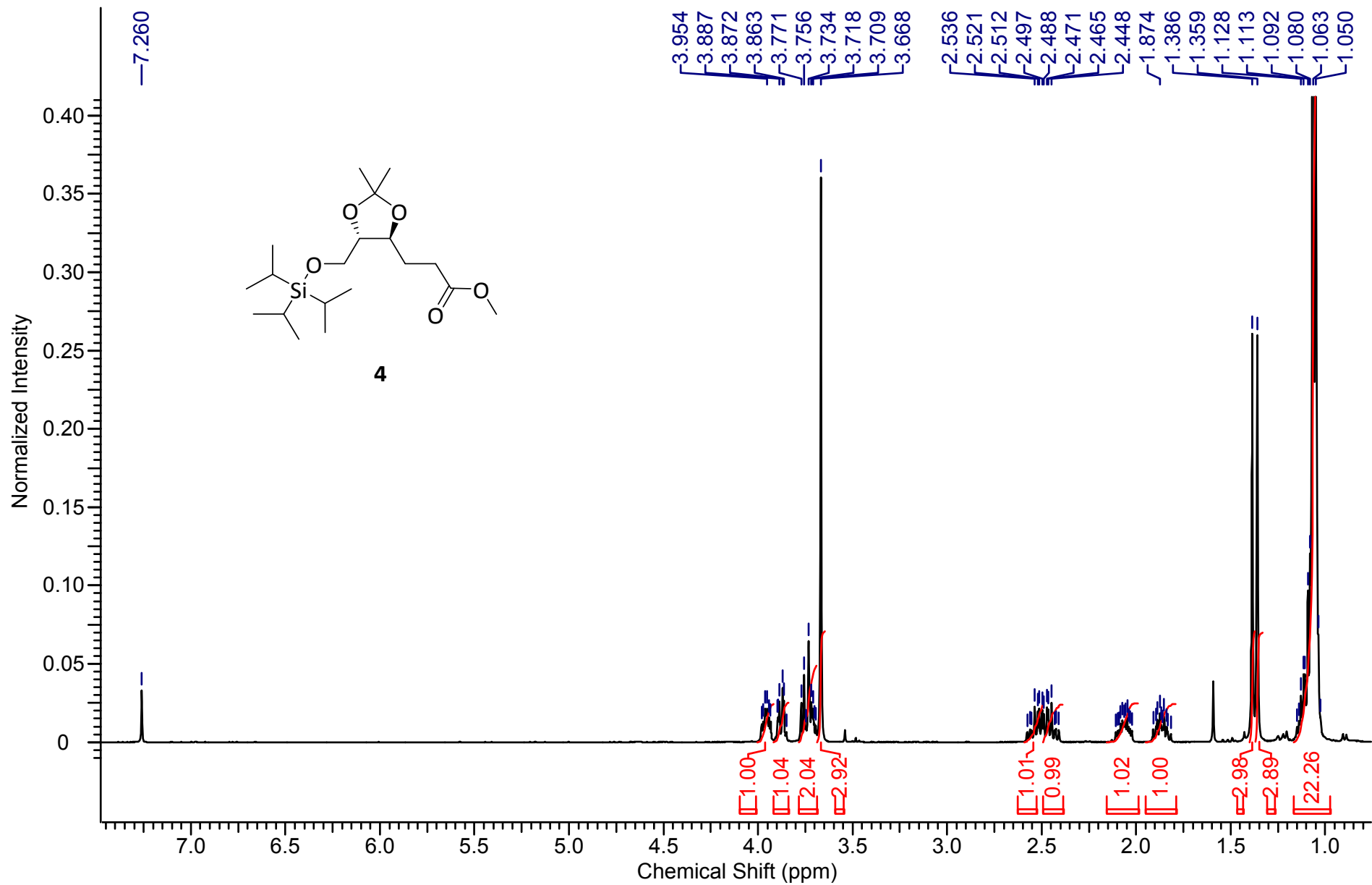
Supporting Information

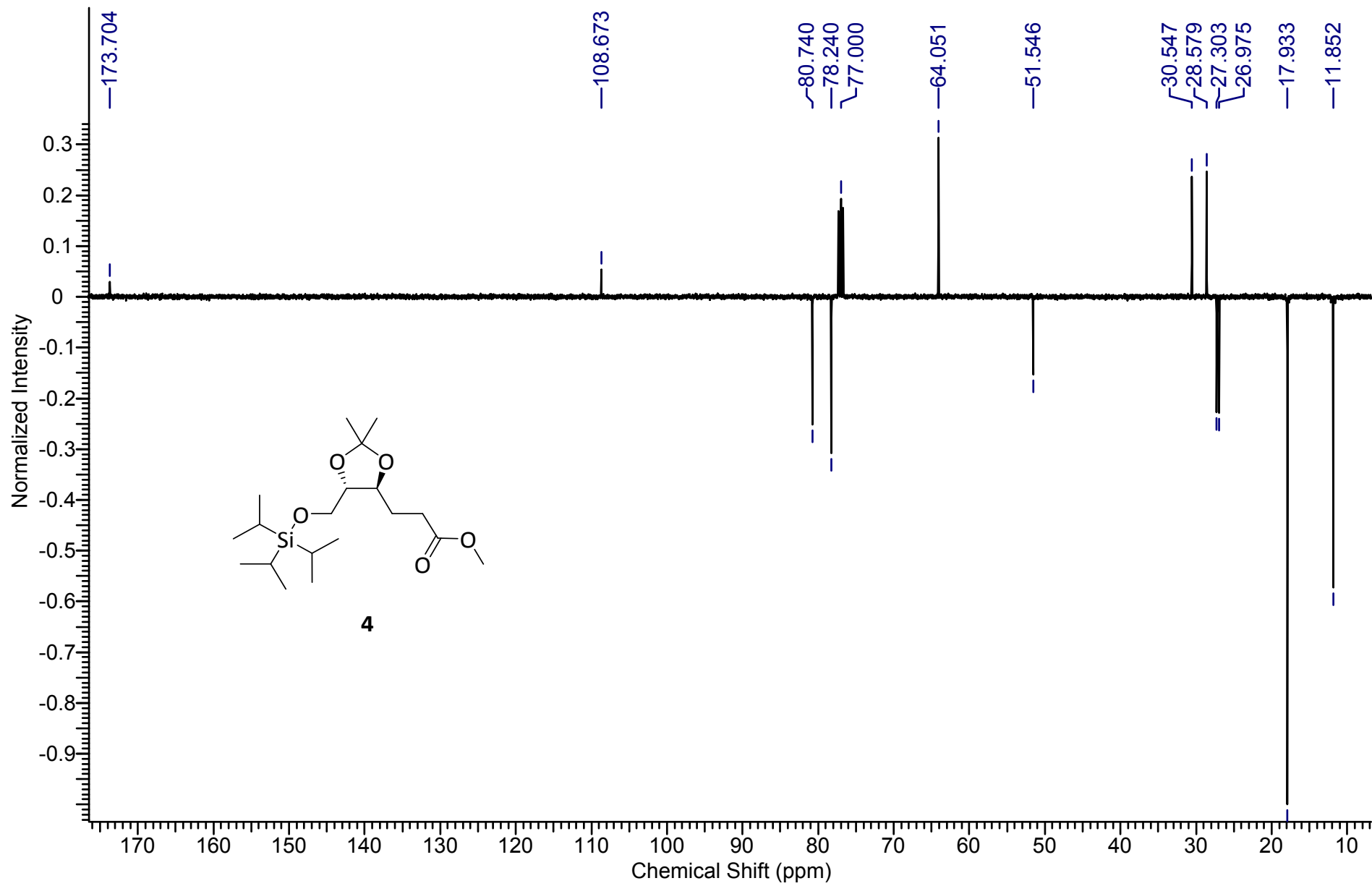
Total synthesis of the natural HDAC inhibitor Cyl-1

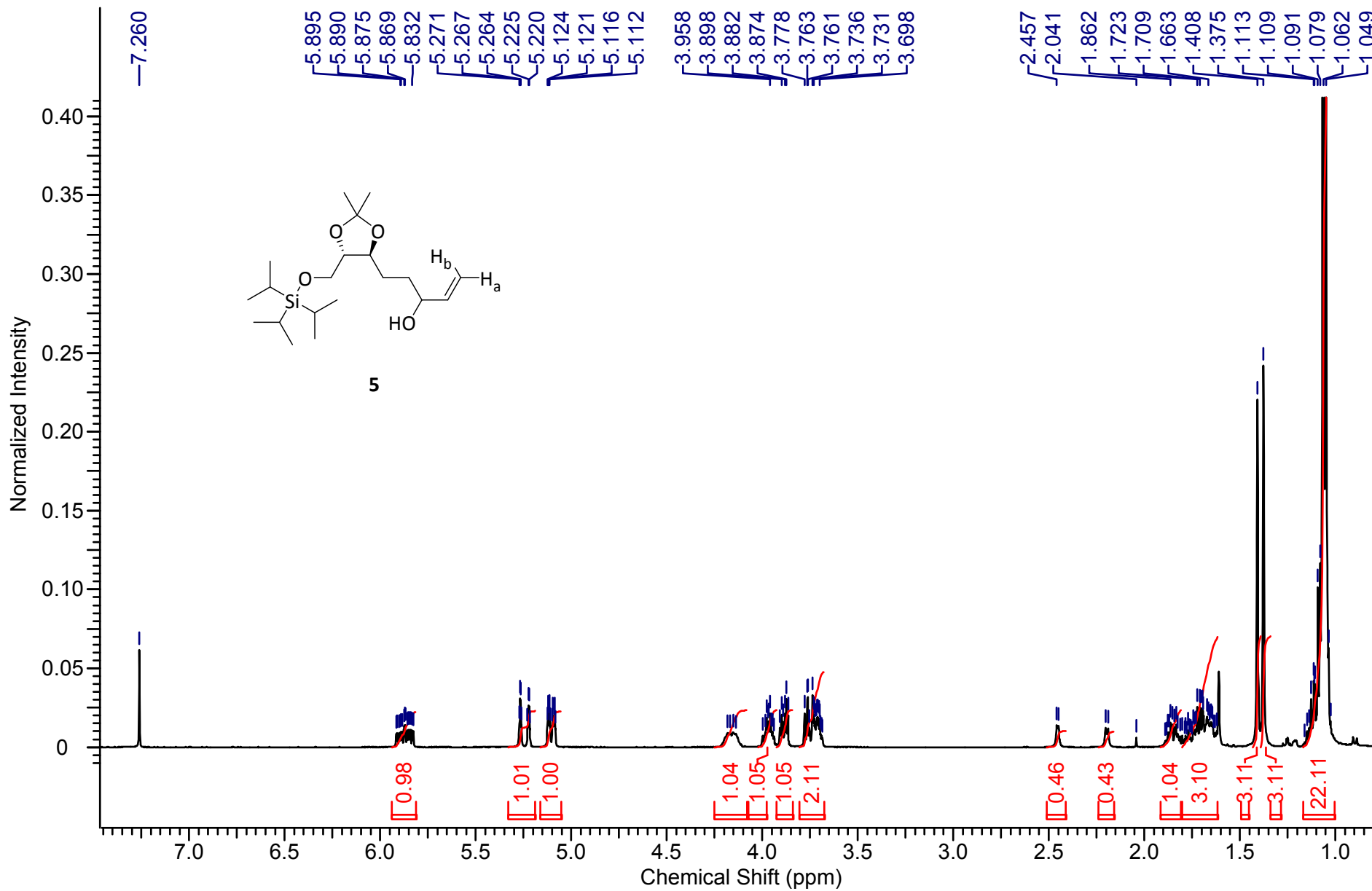
Phil Servatius, Uli Kazmaier*

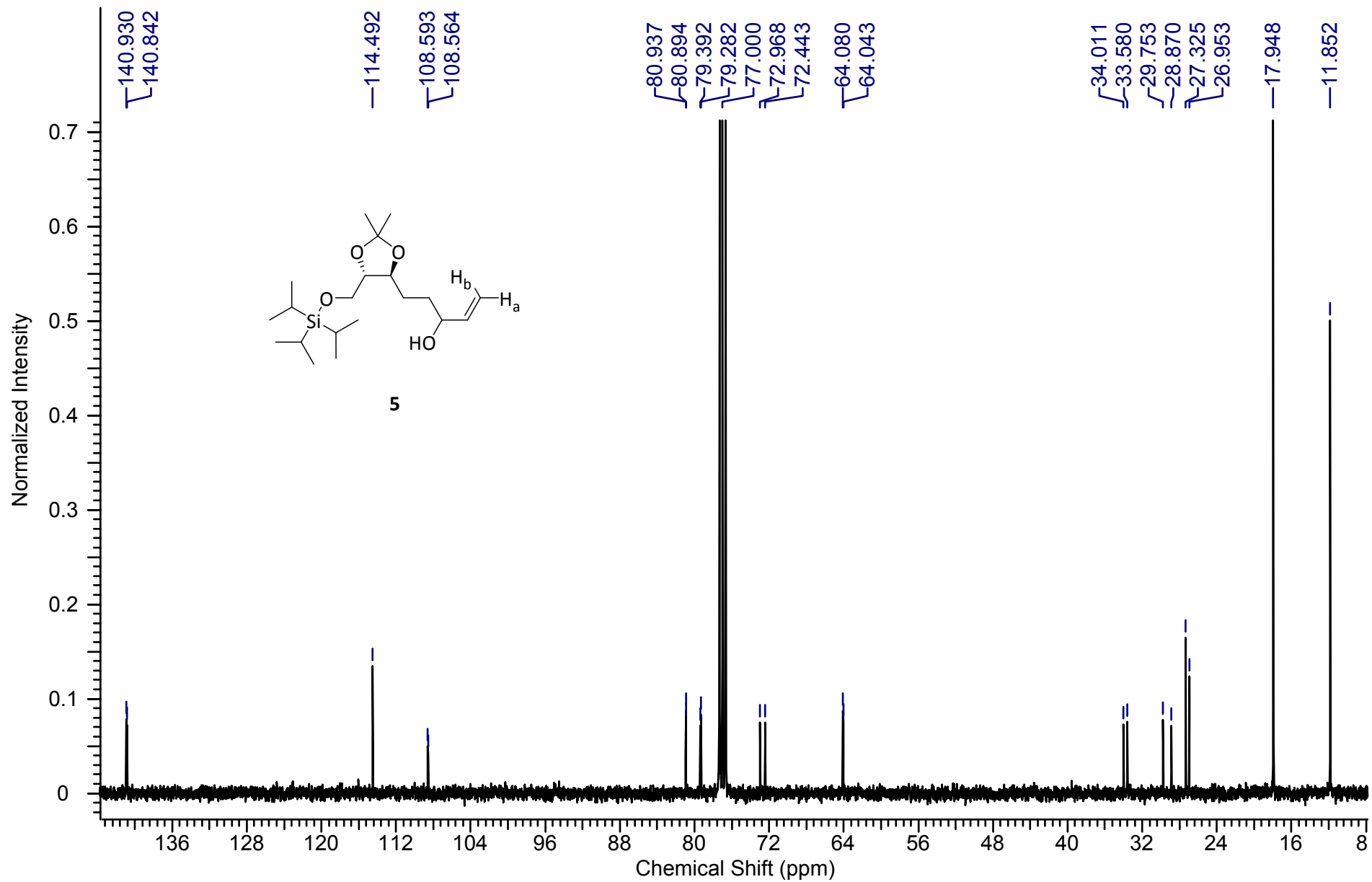
Institute for Organic Chemistry, Saarland University, 66123 Saarbrücken

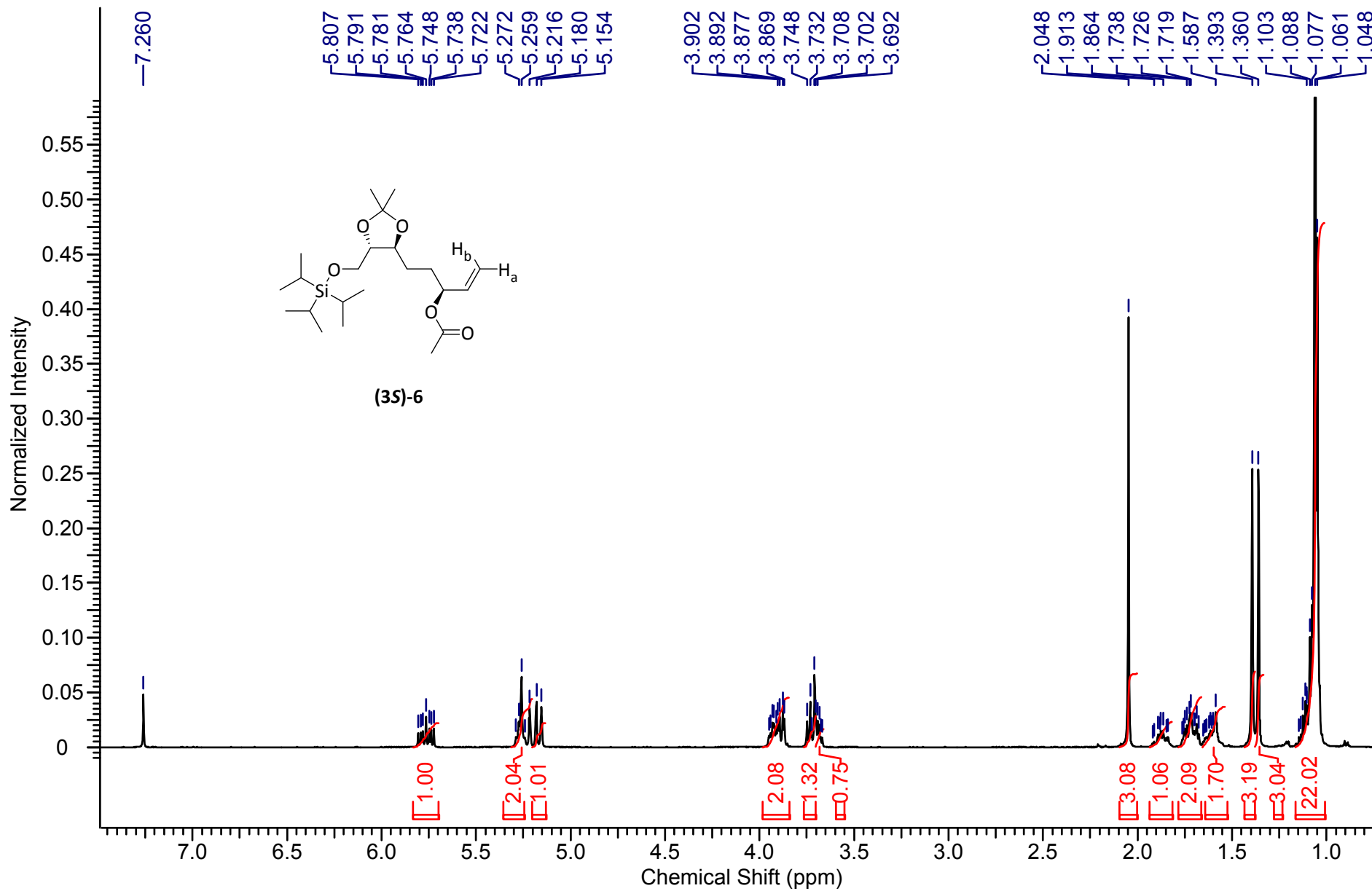


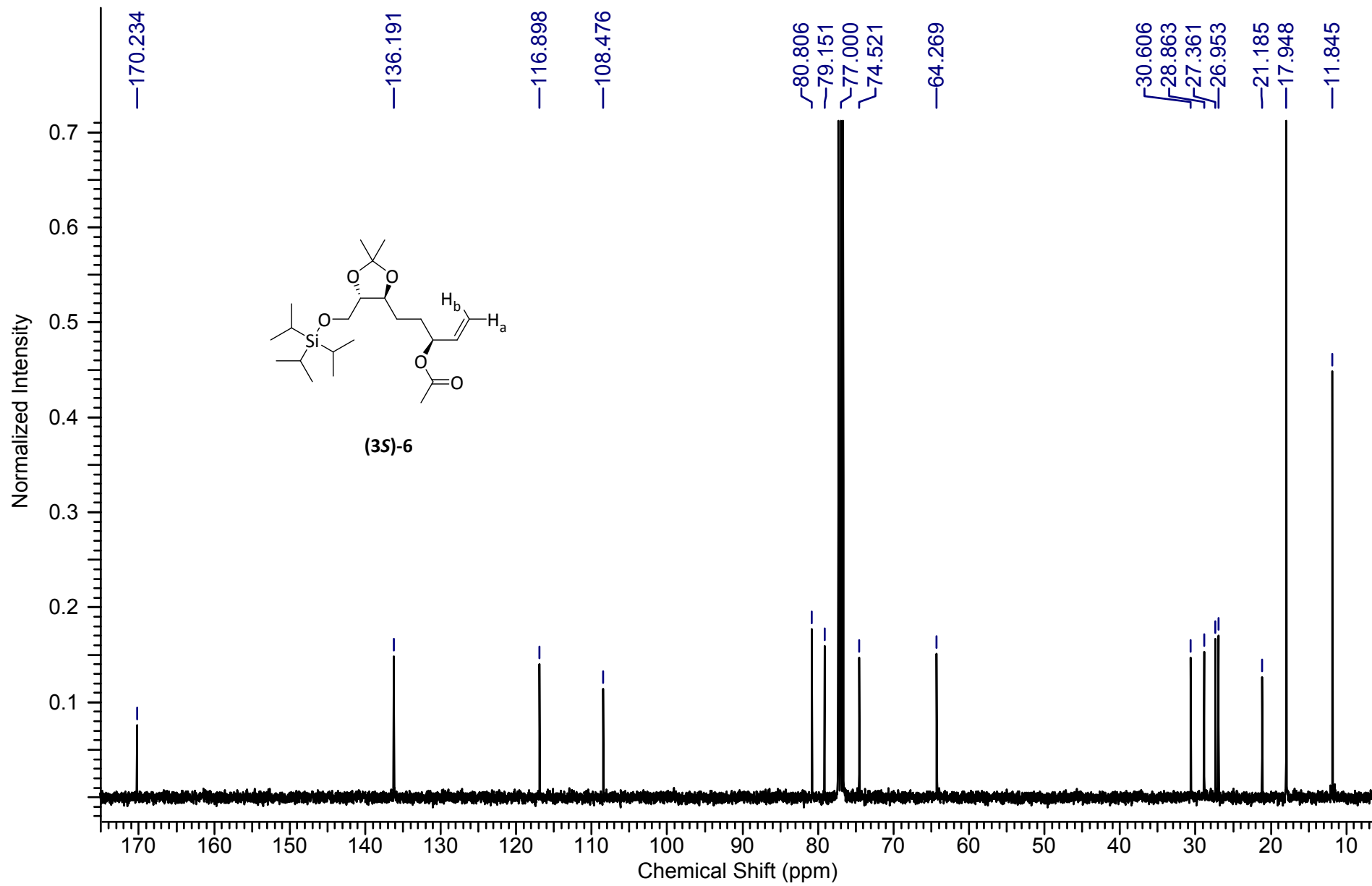


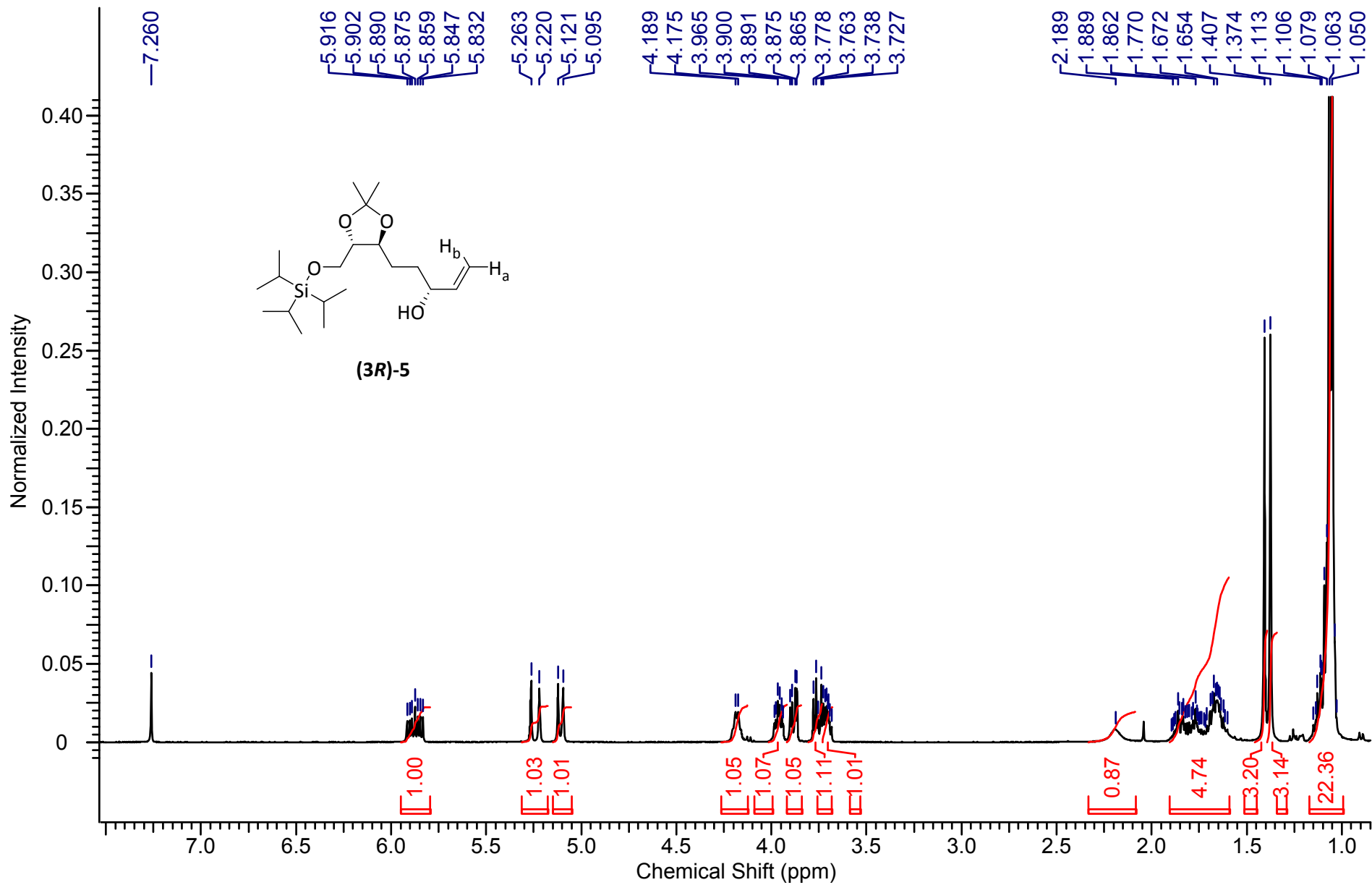


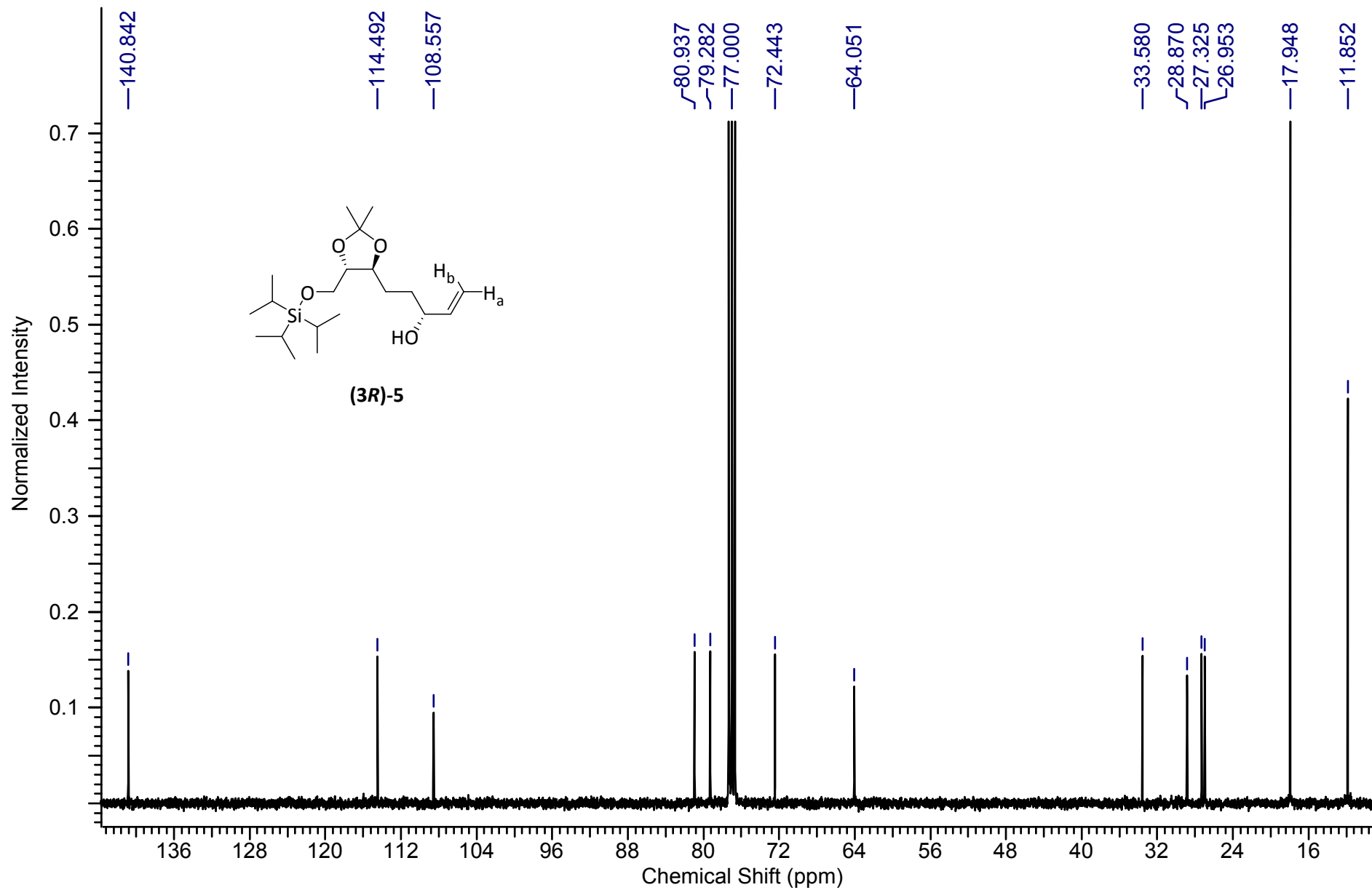


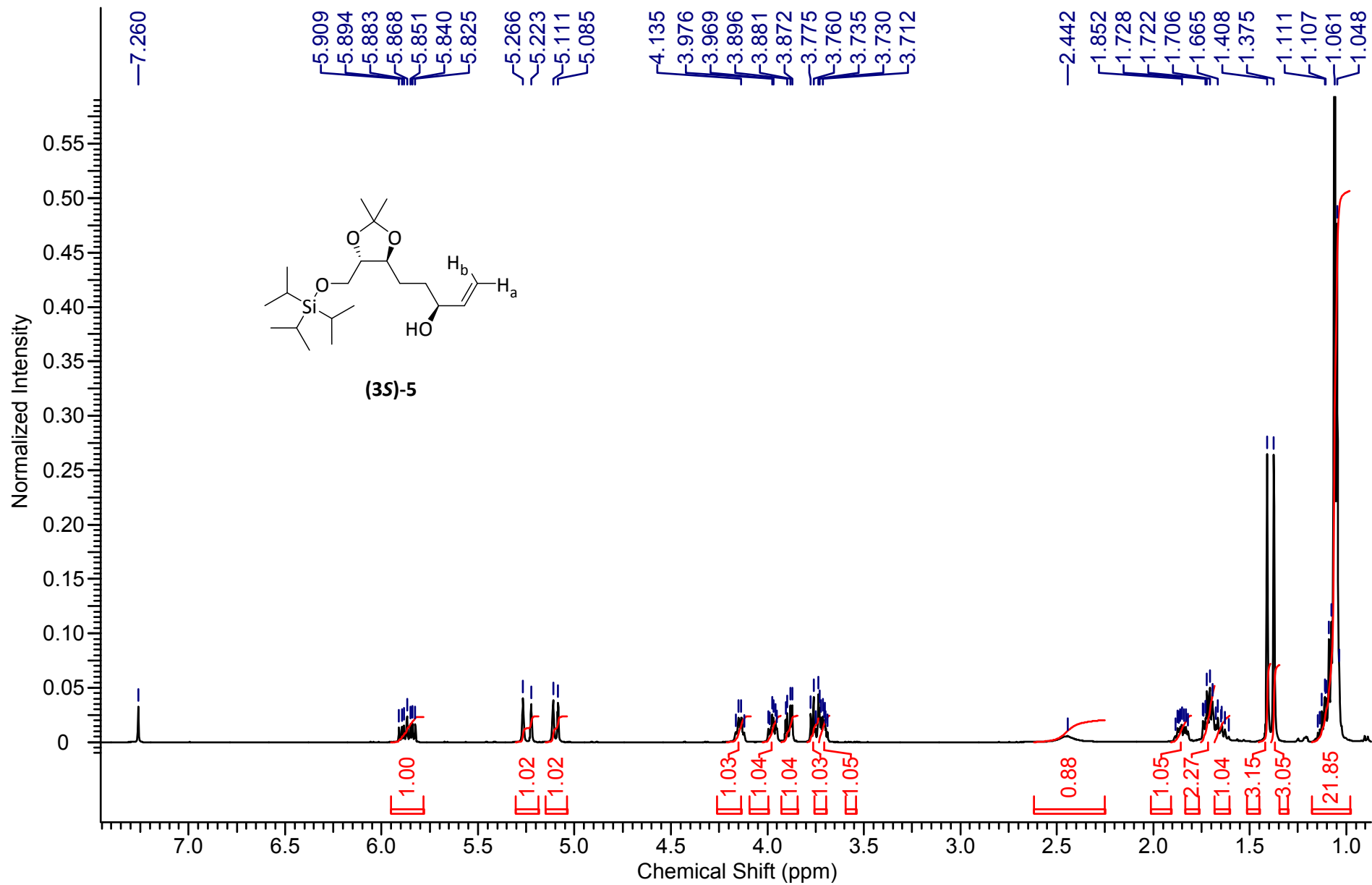


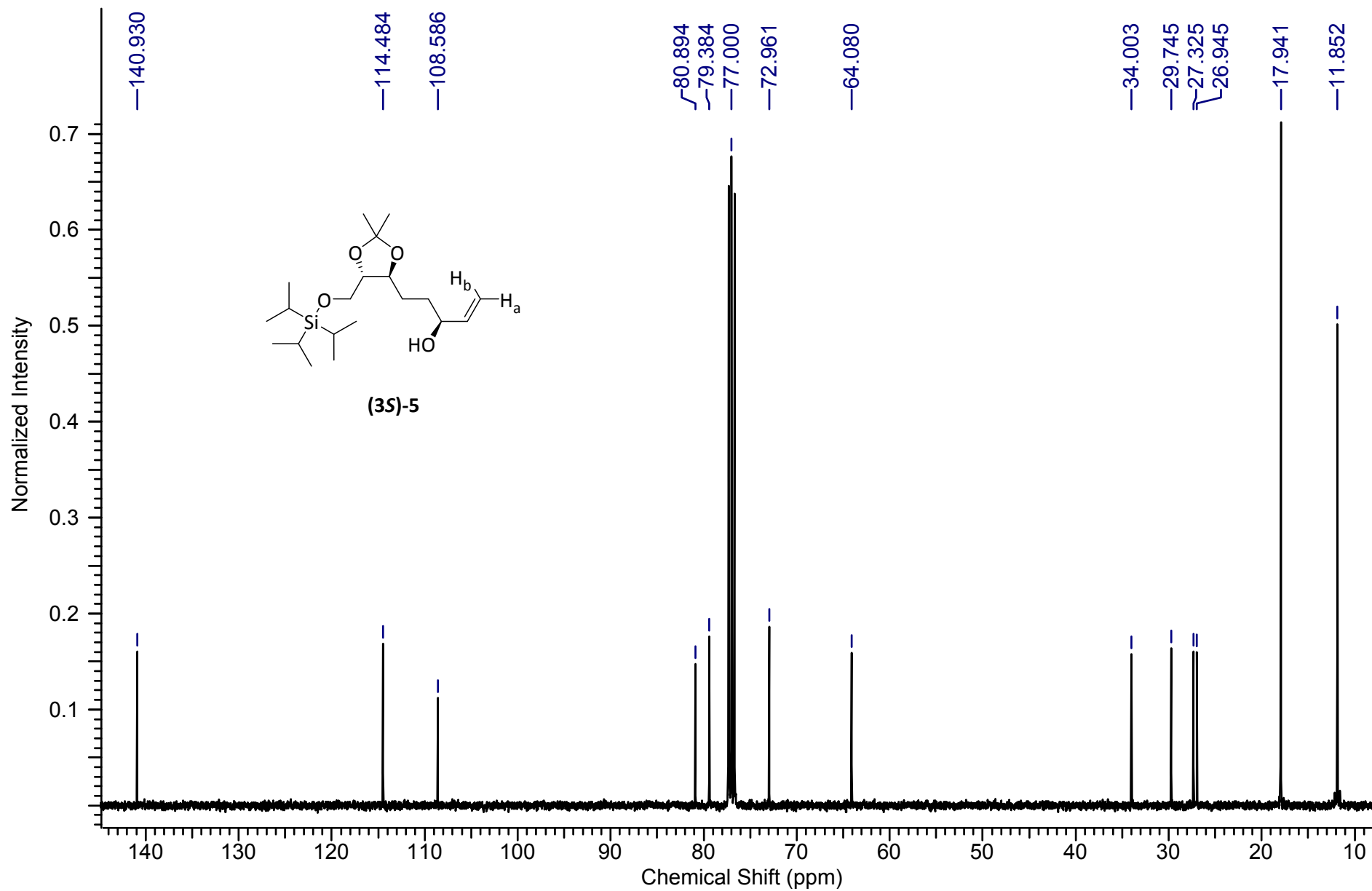


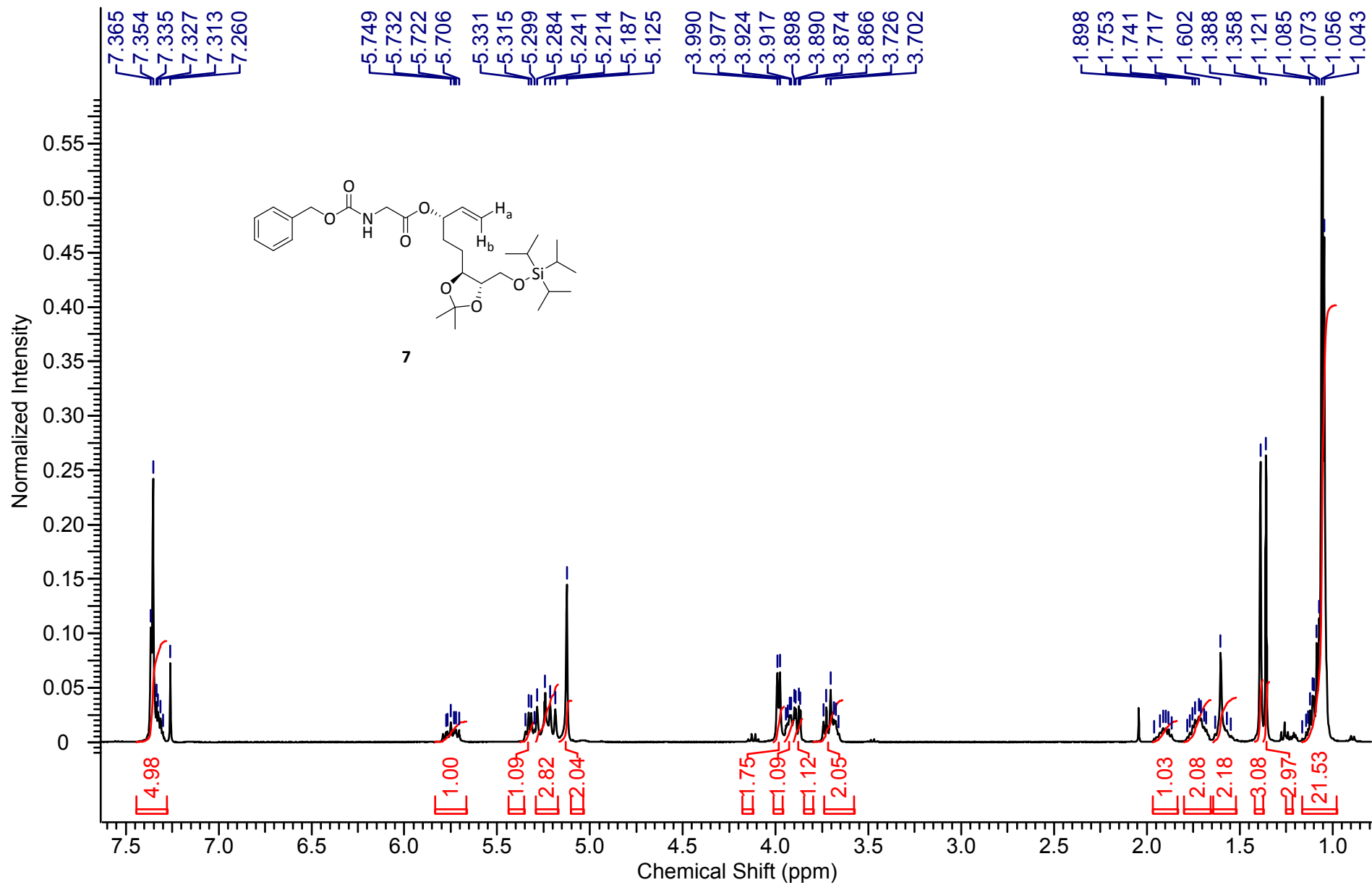


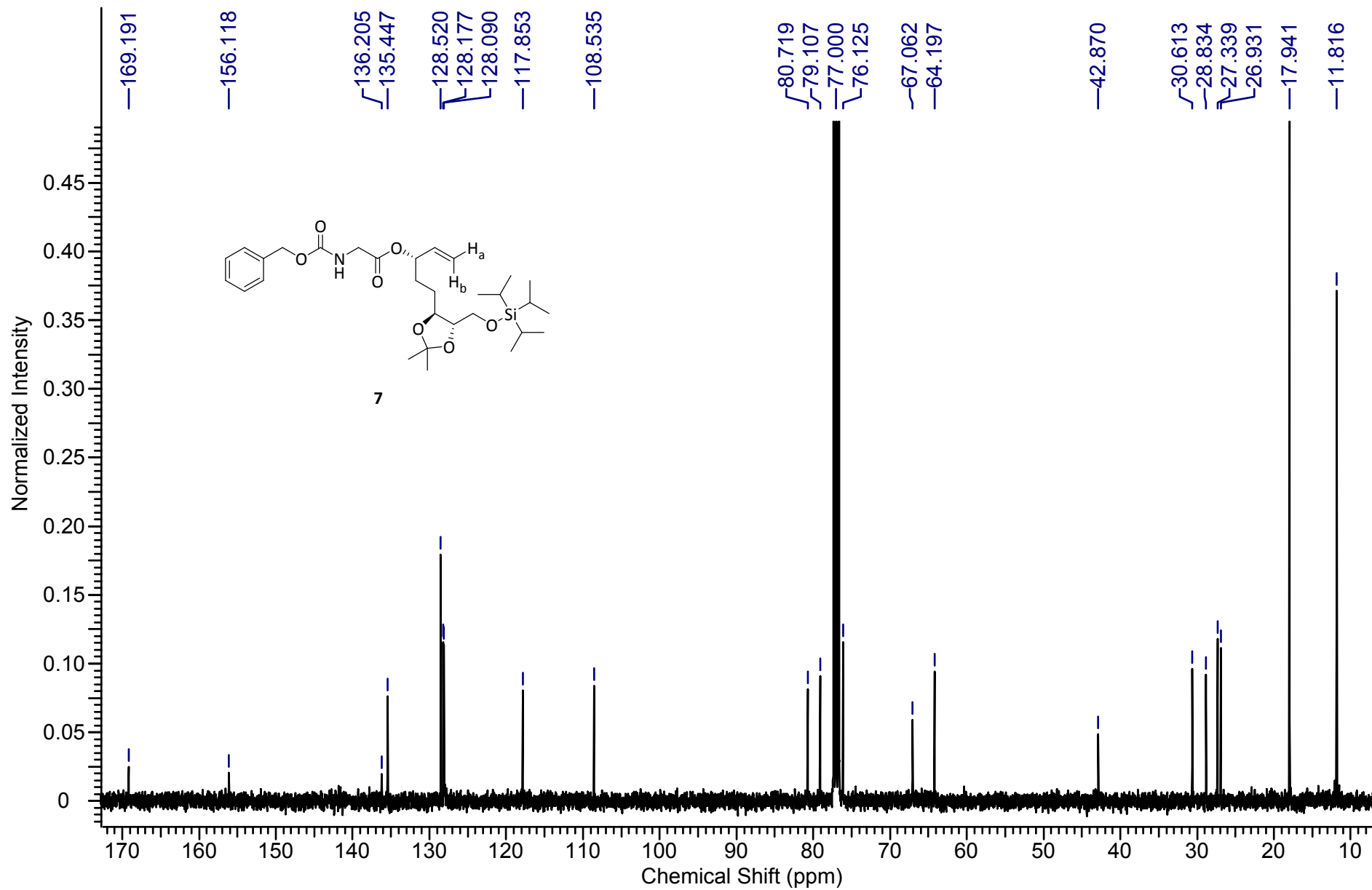


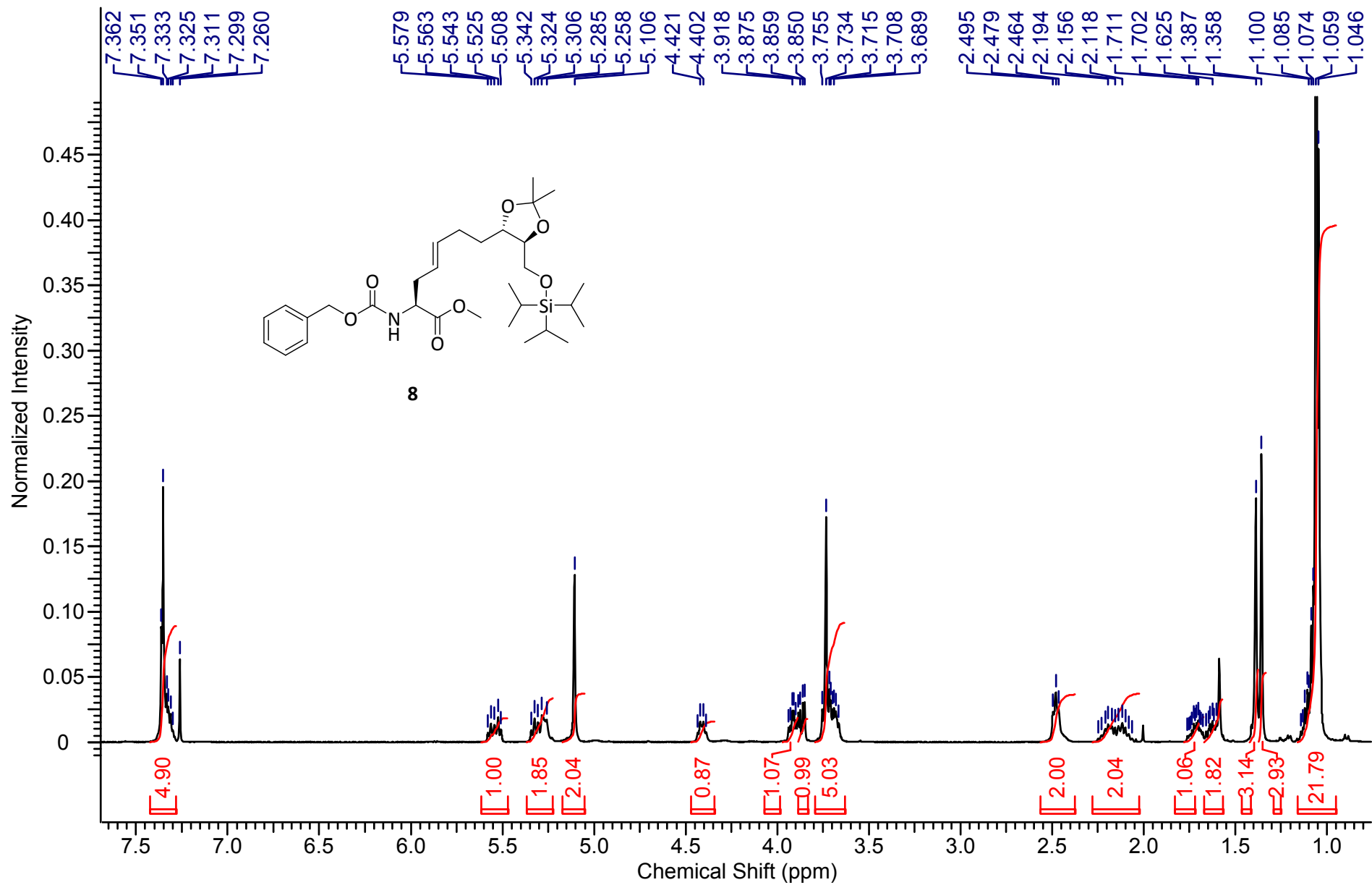


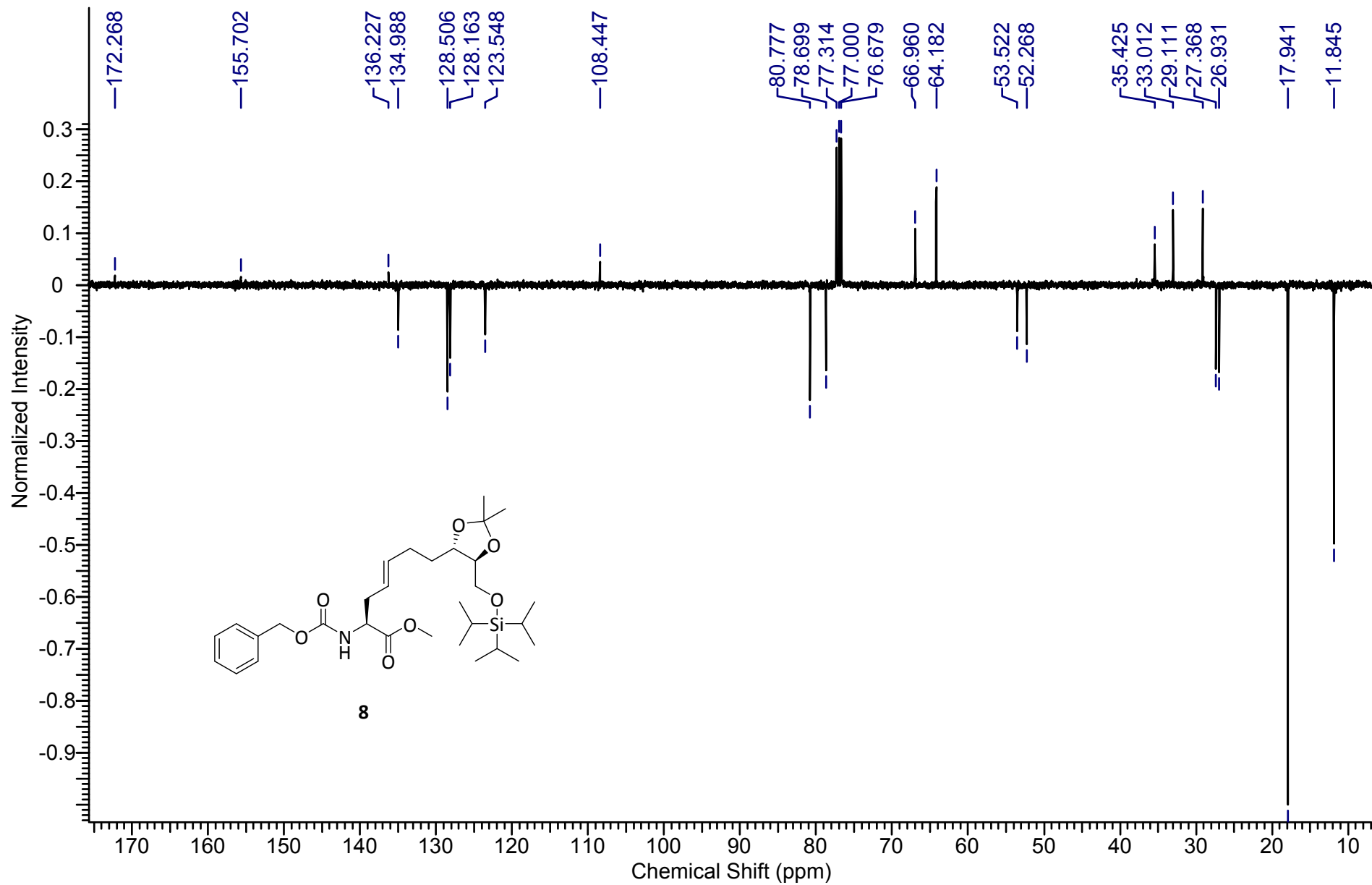


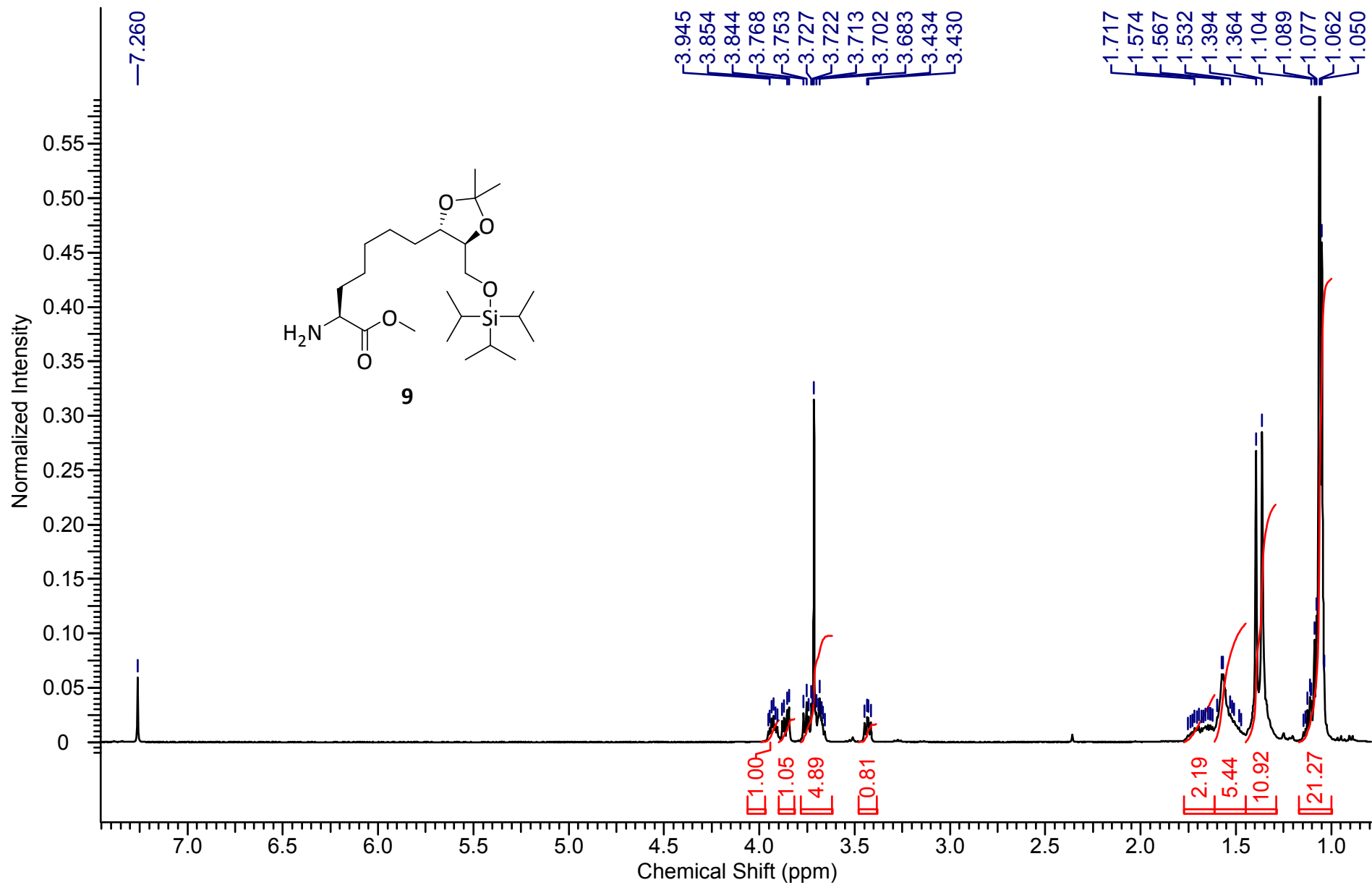


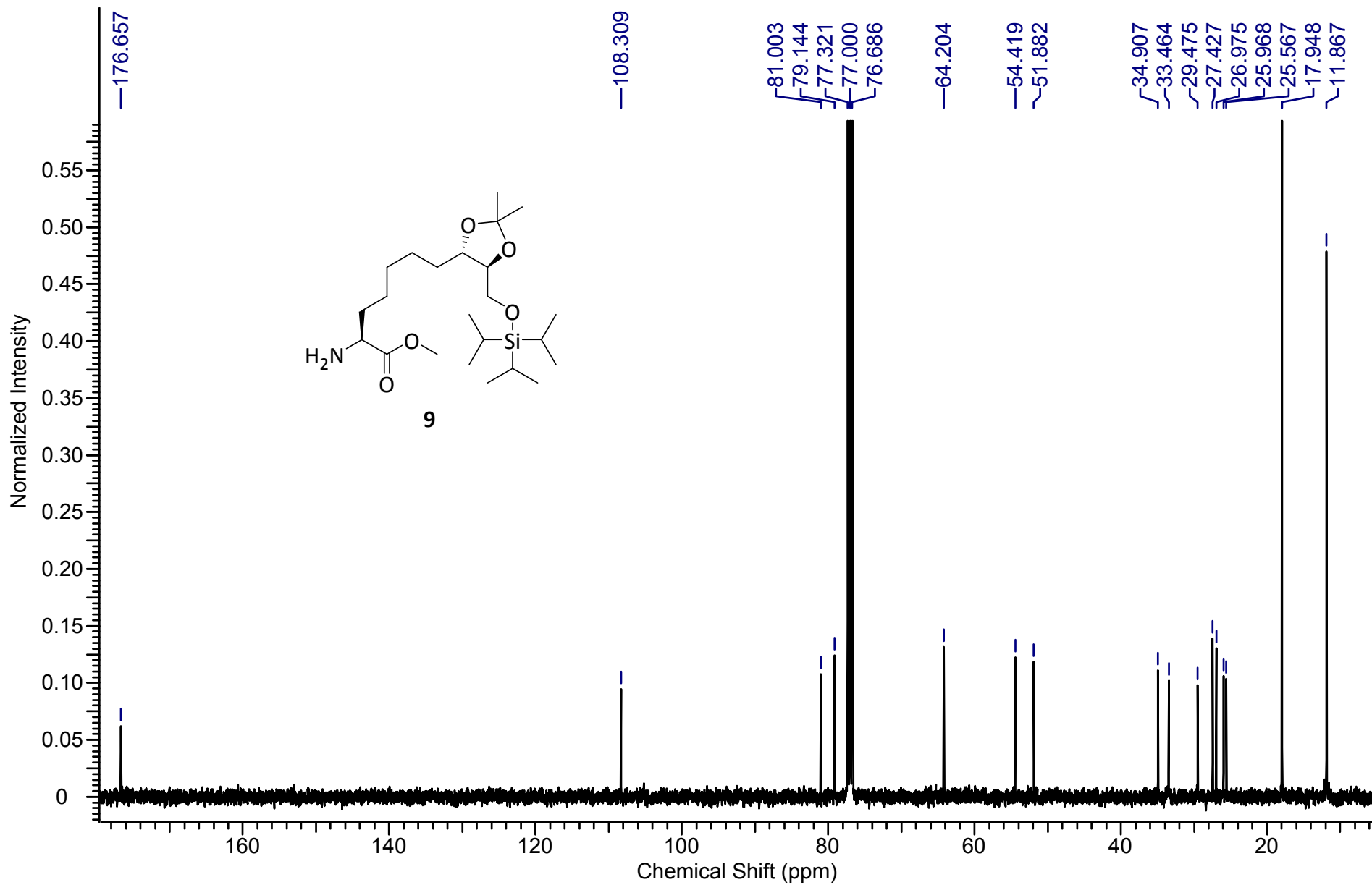


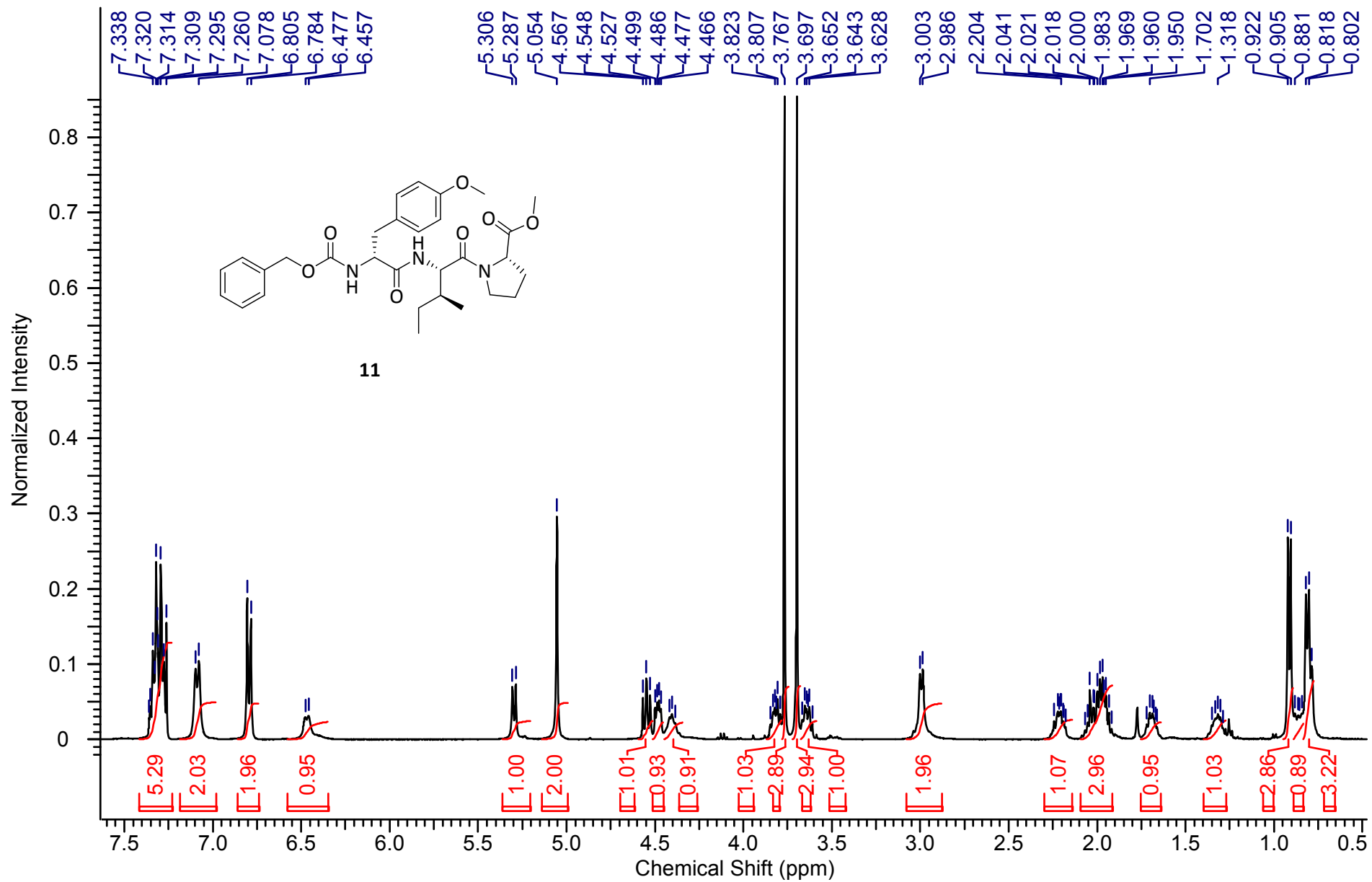


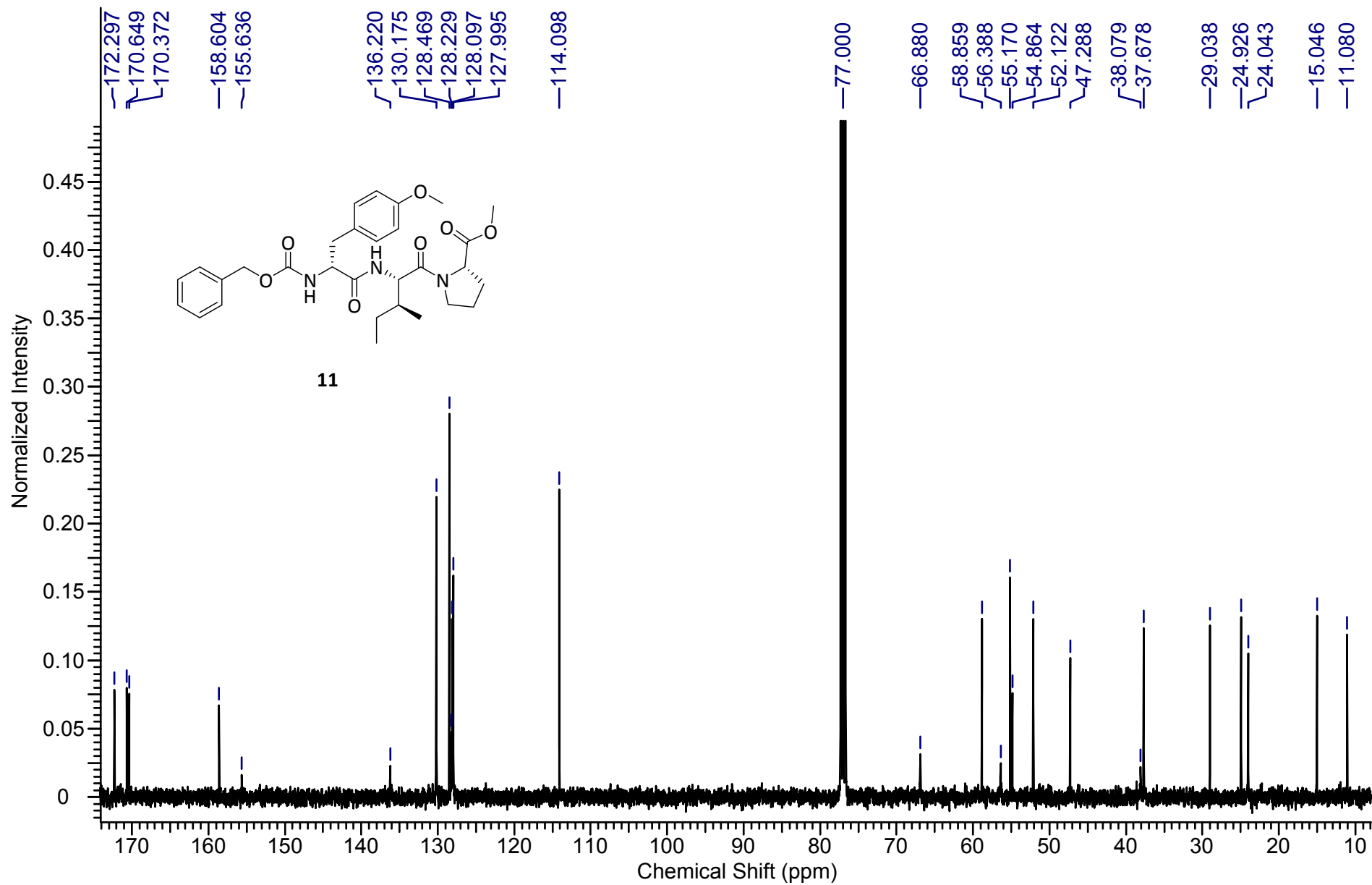


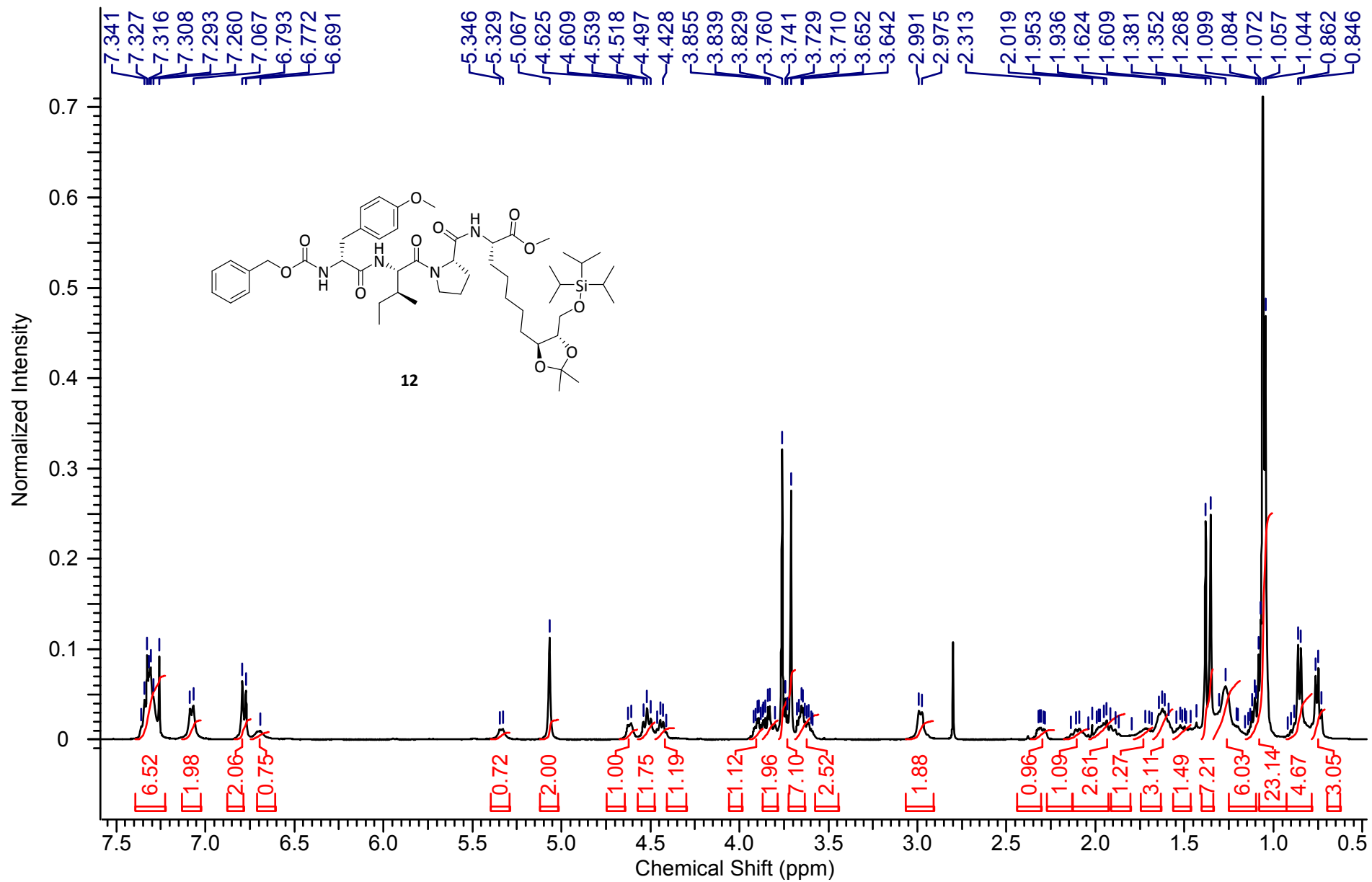


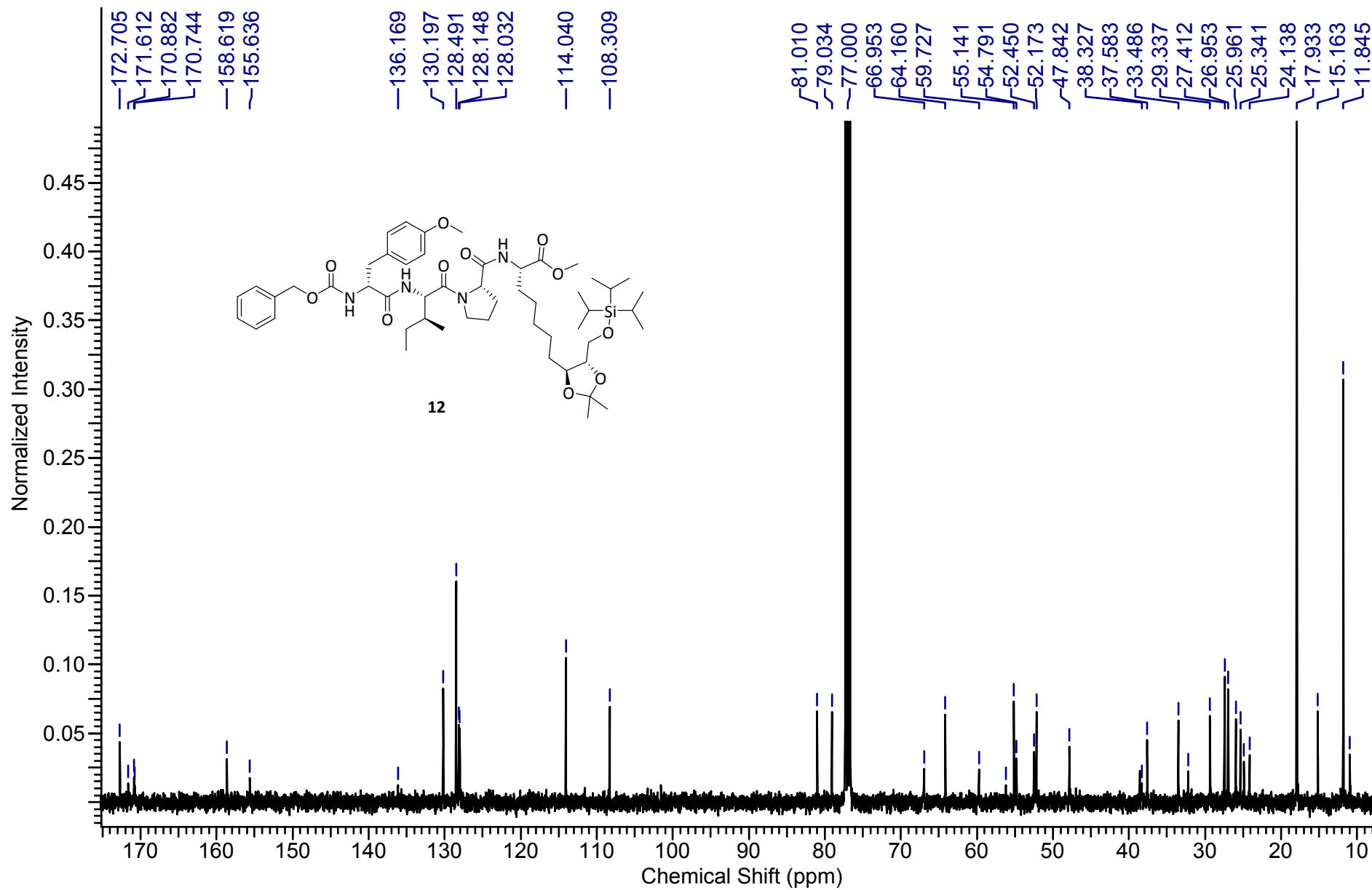


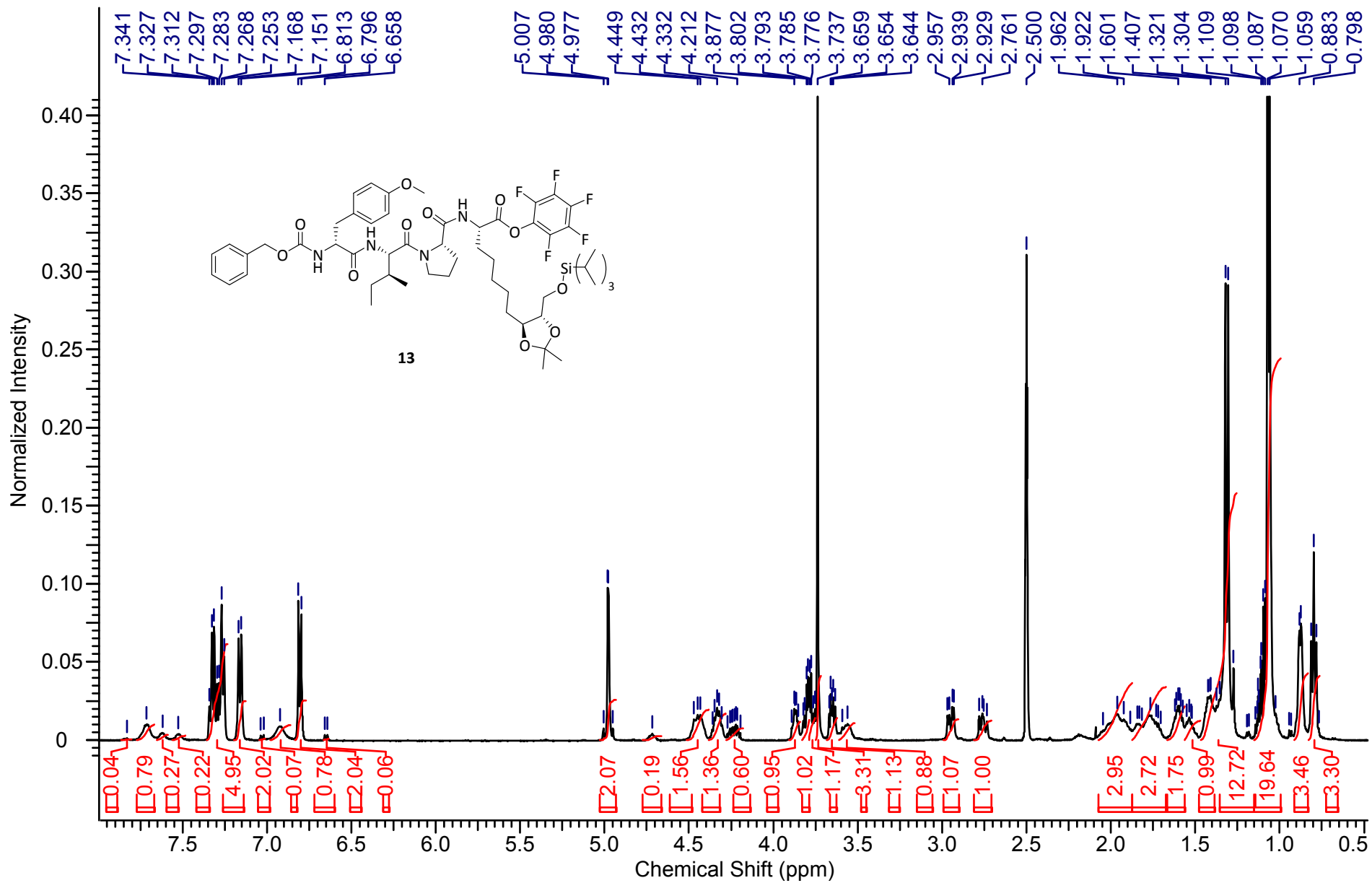


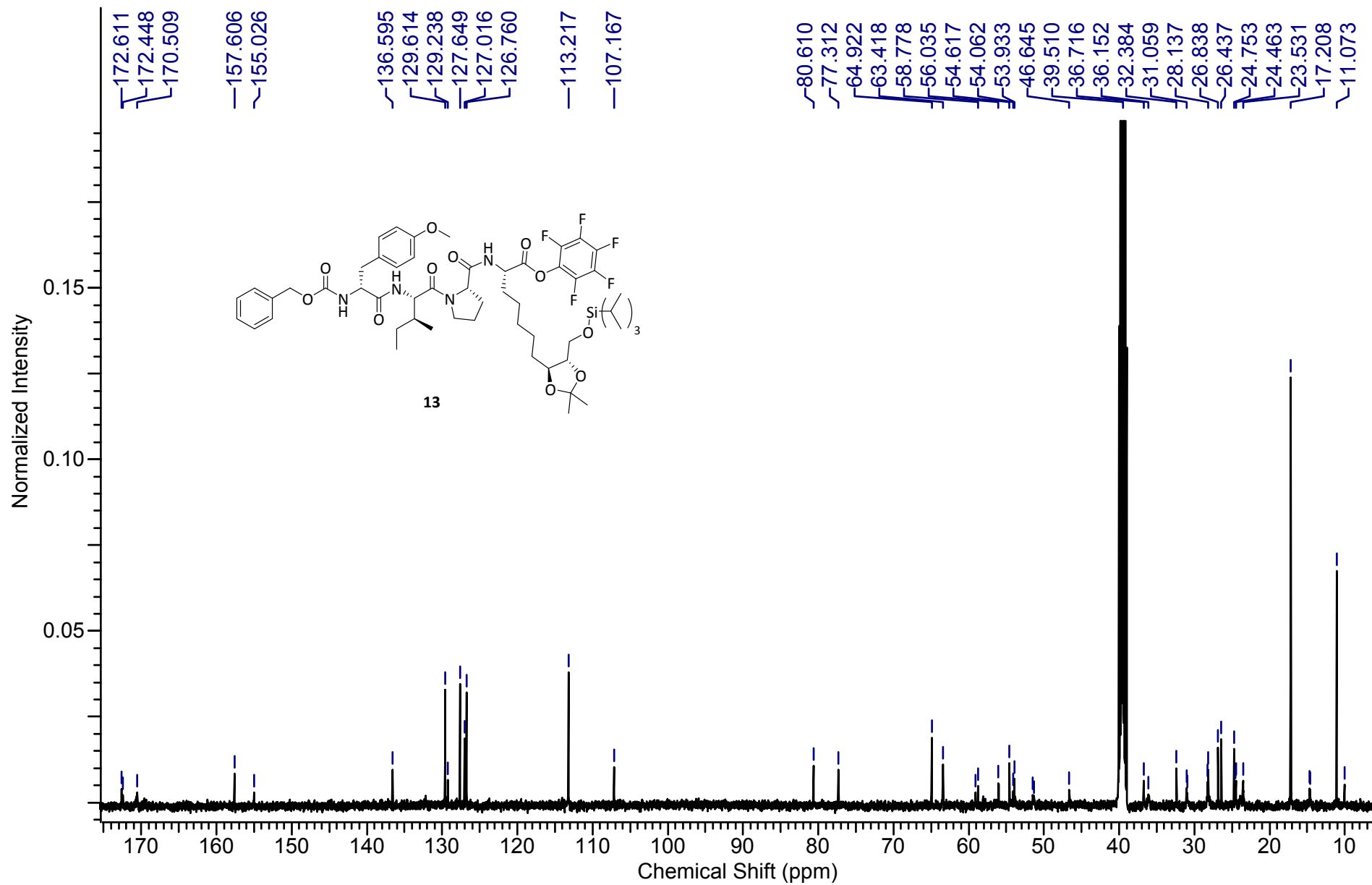


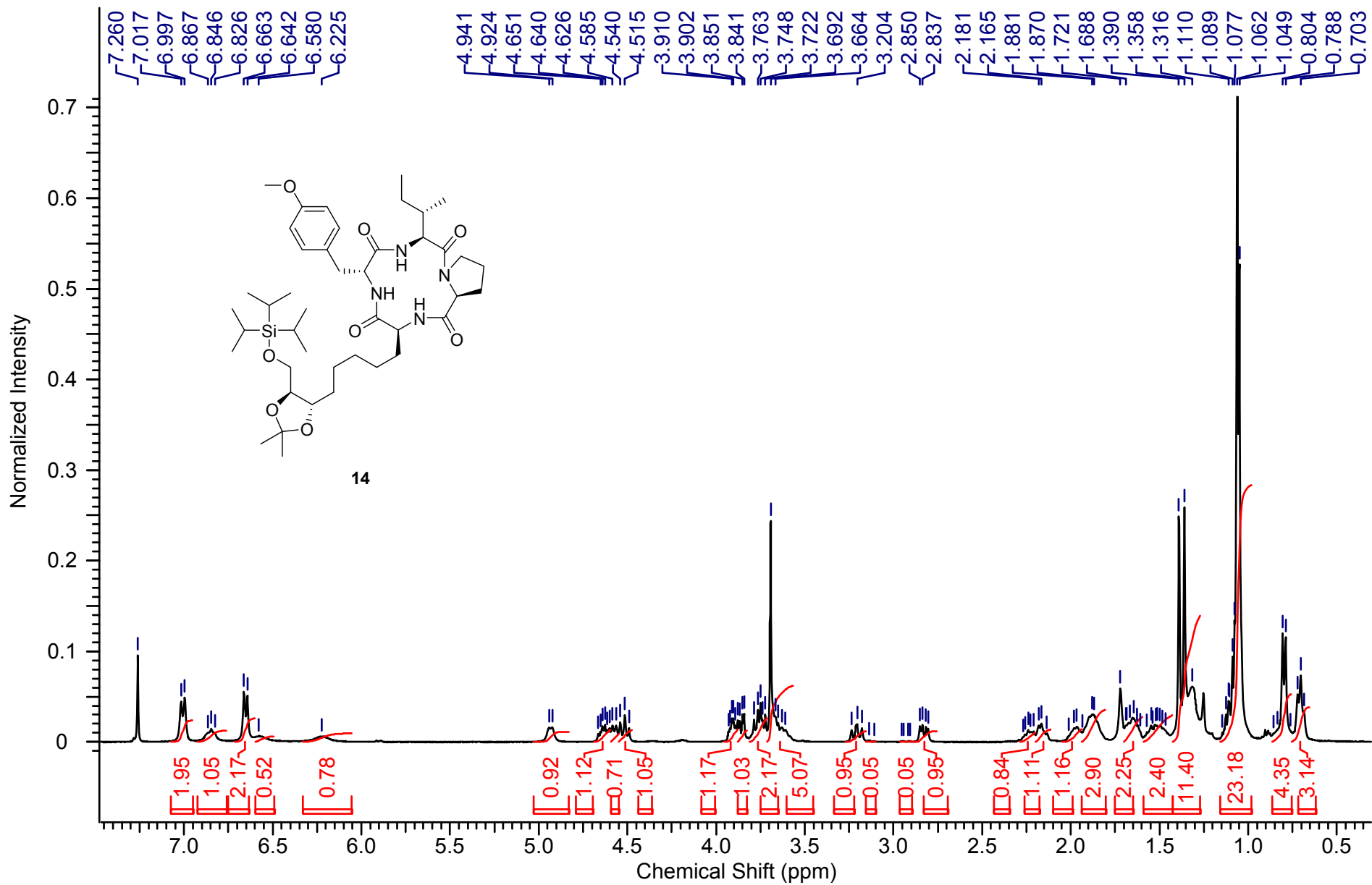


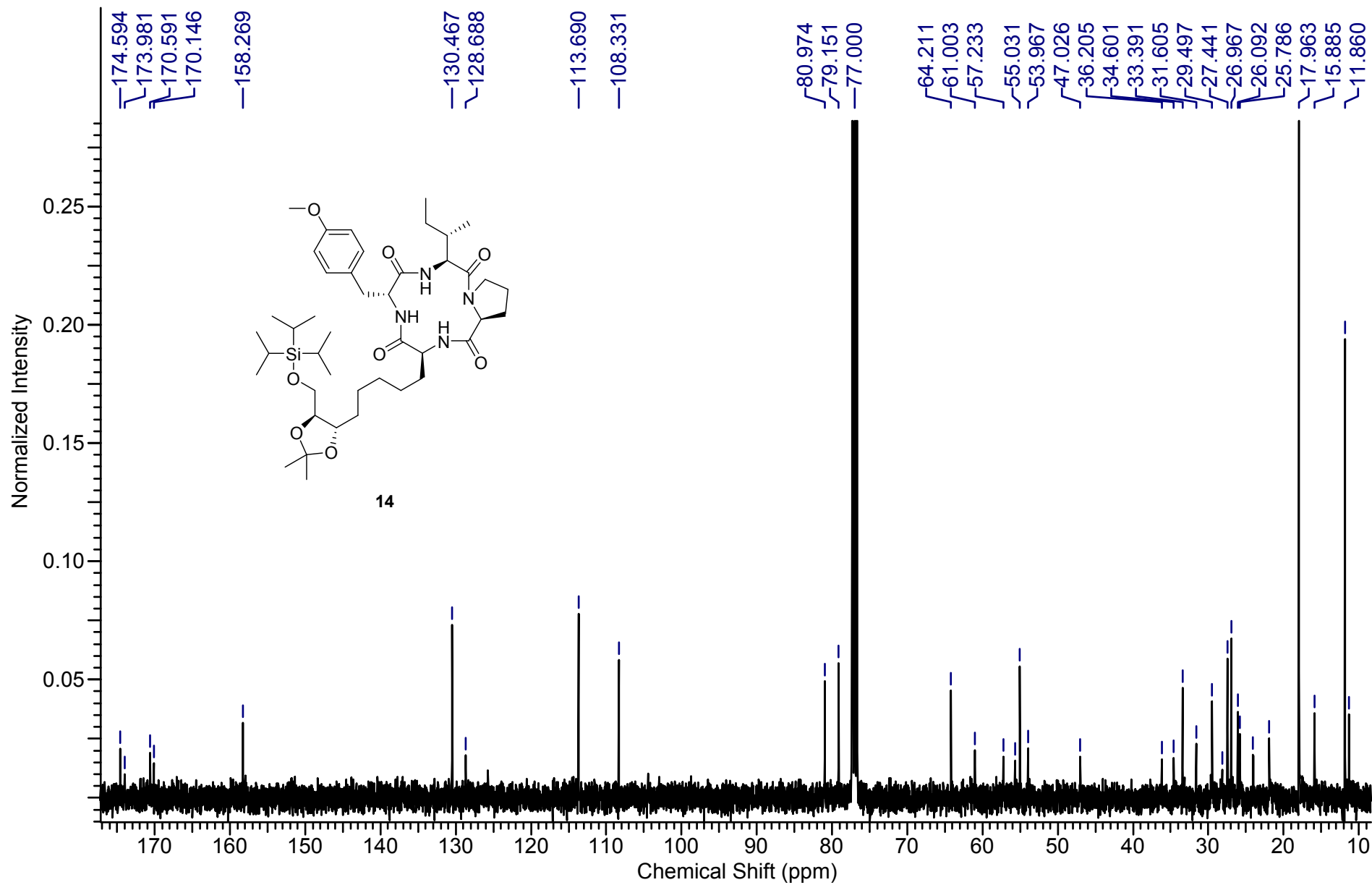


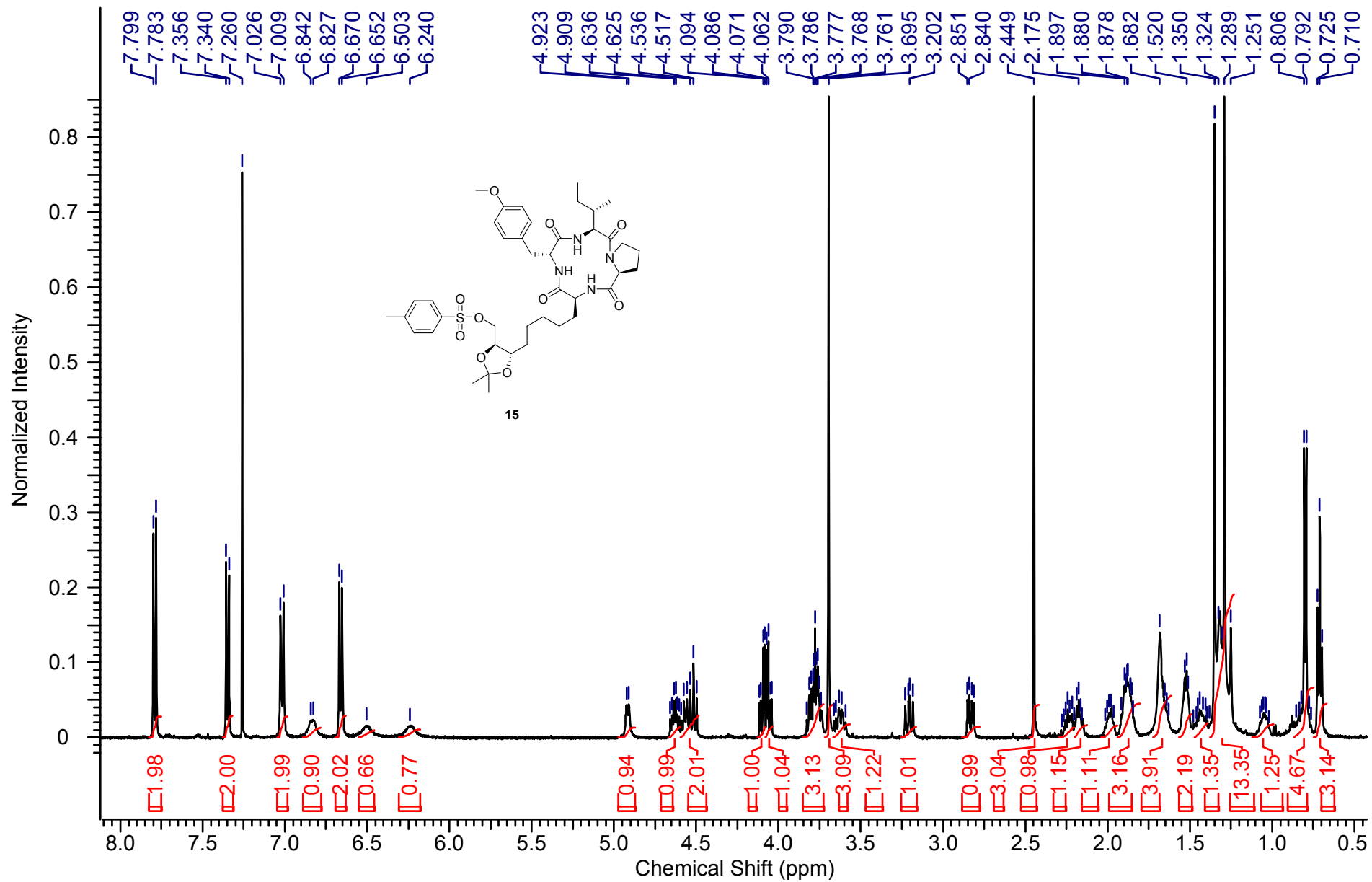


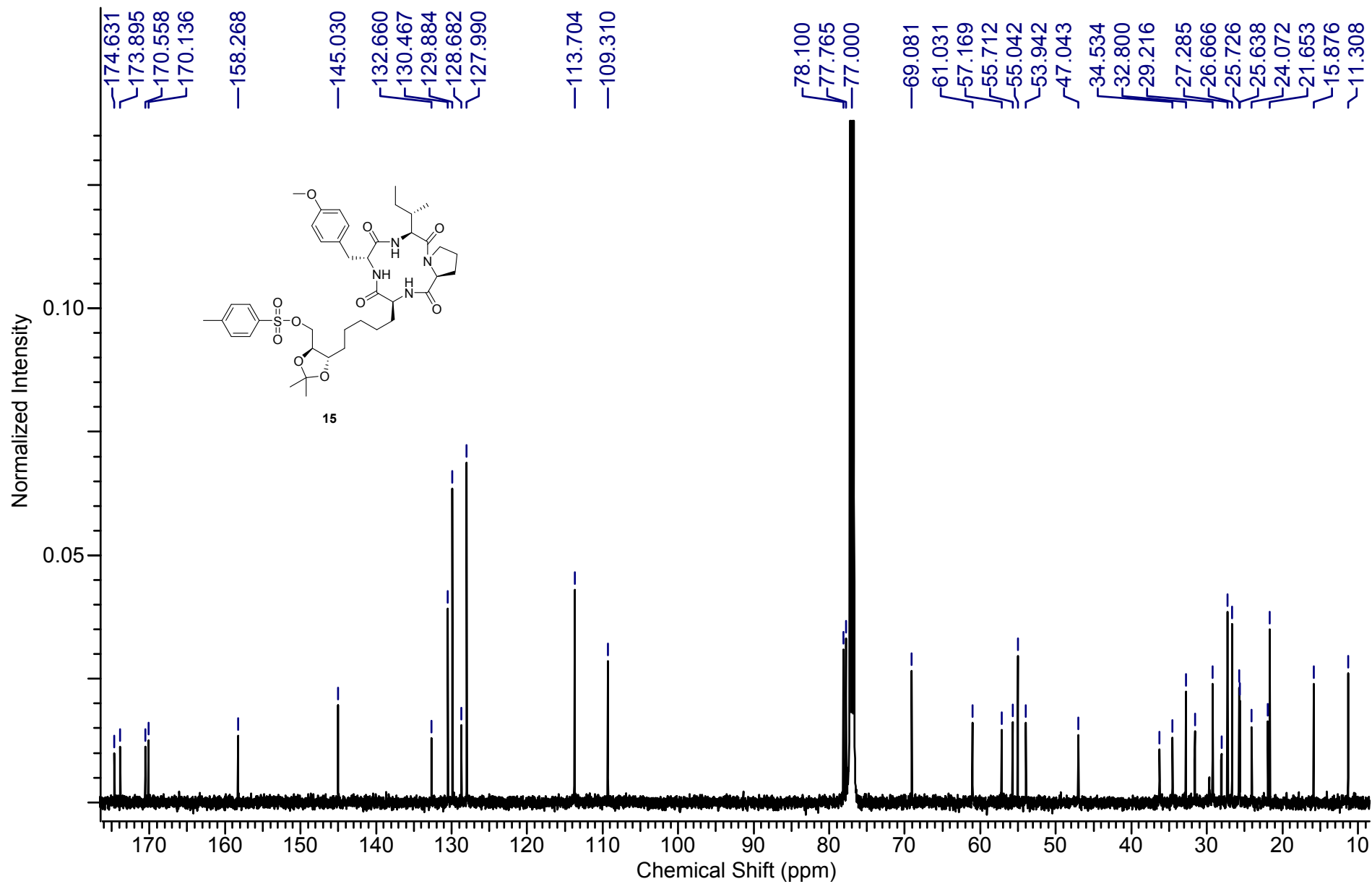


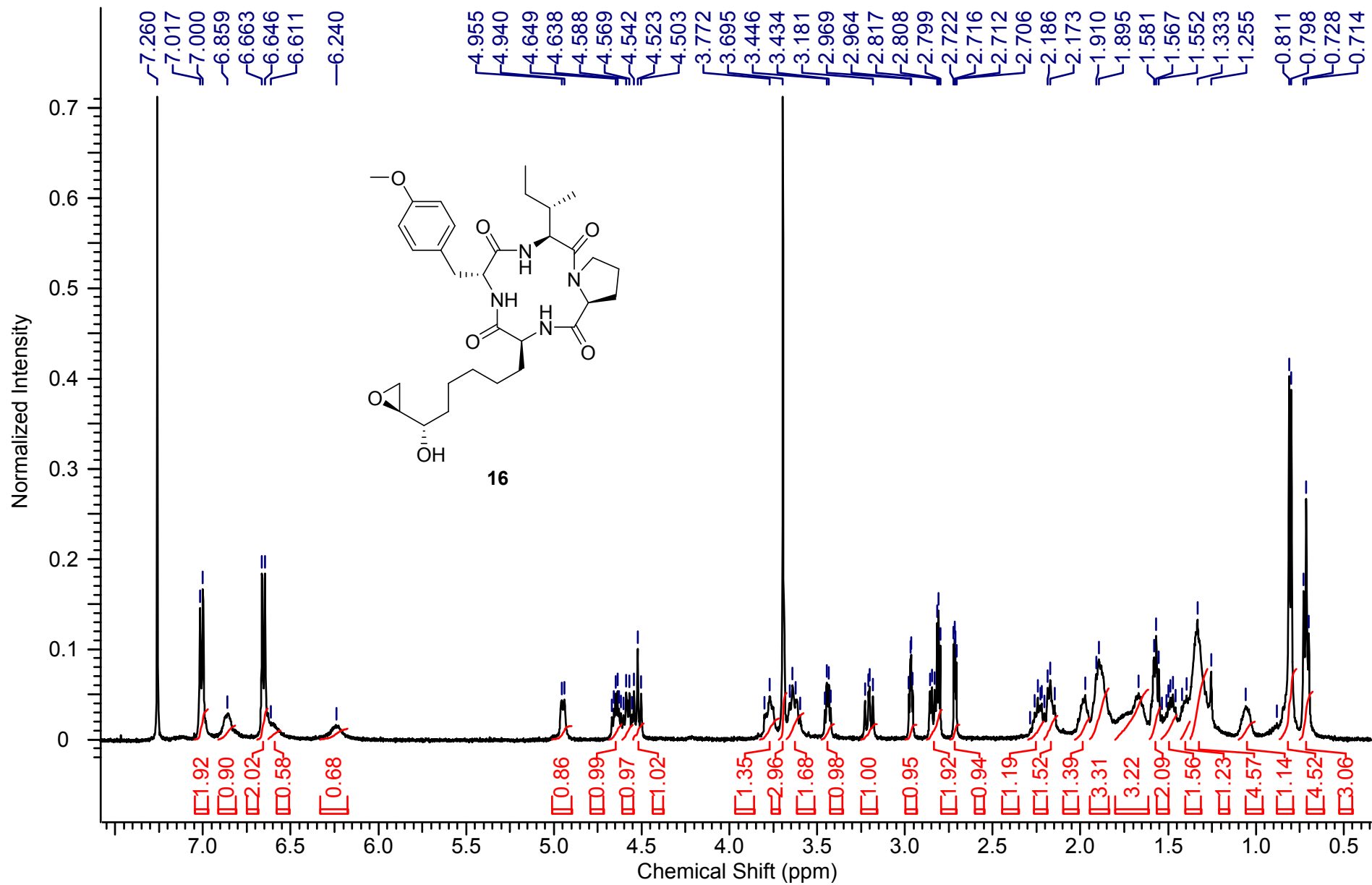


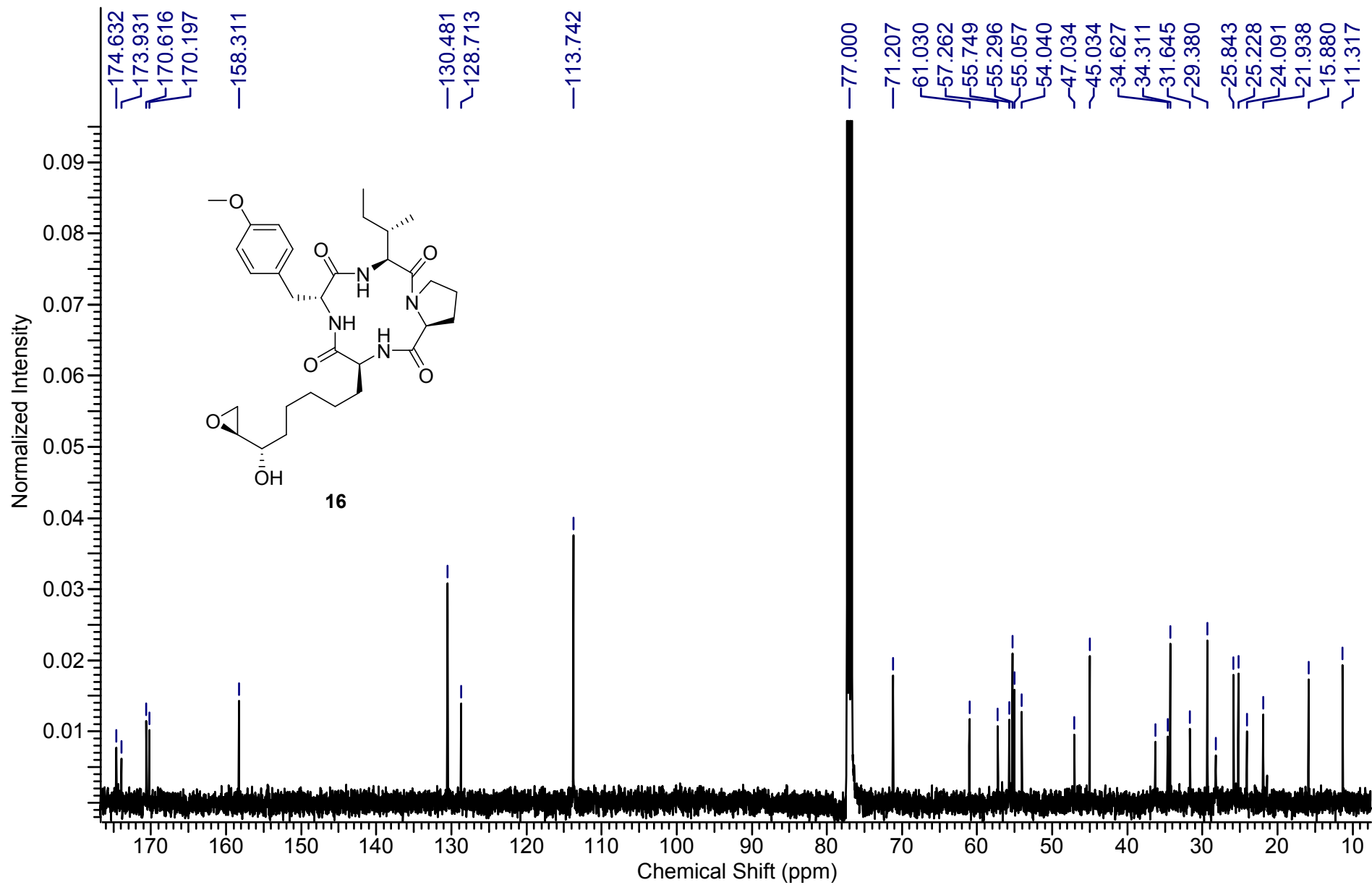












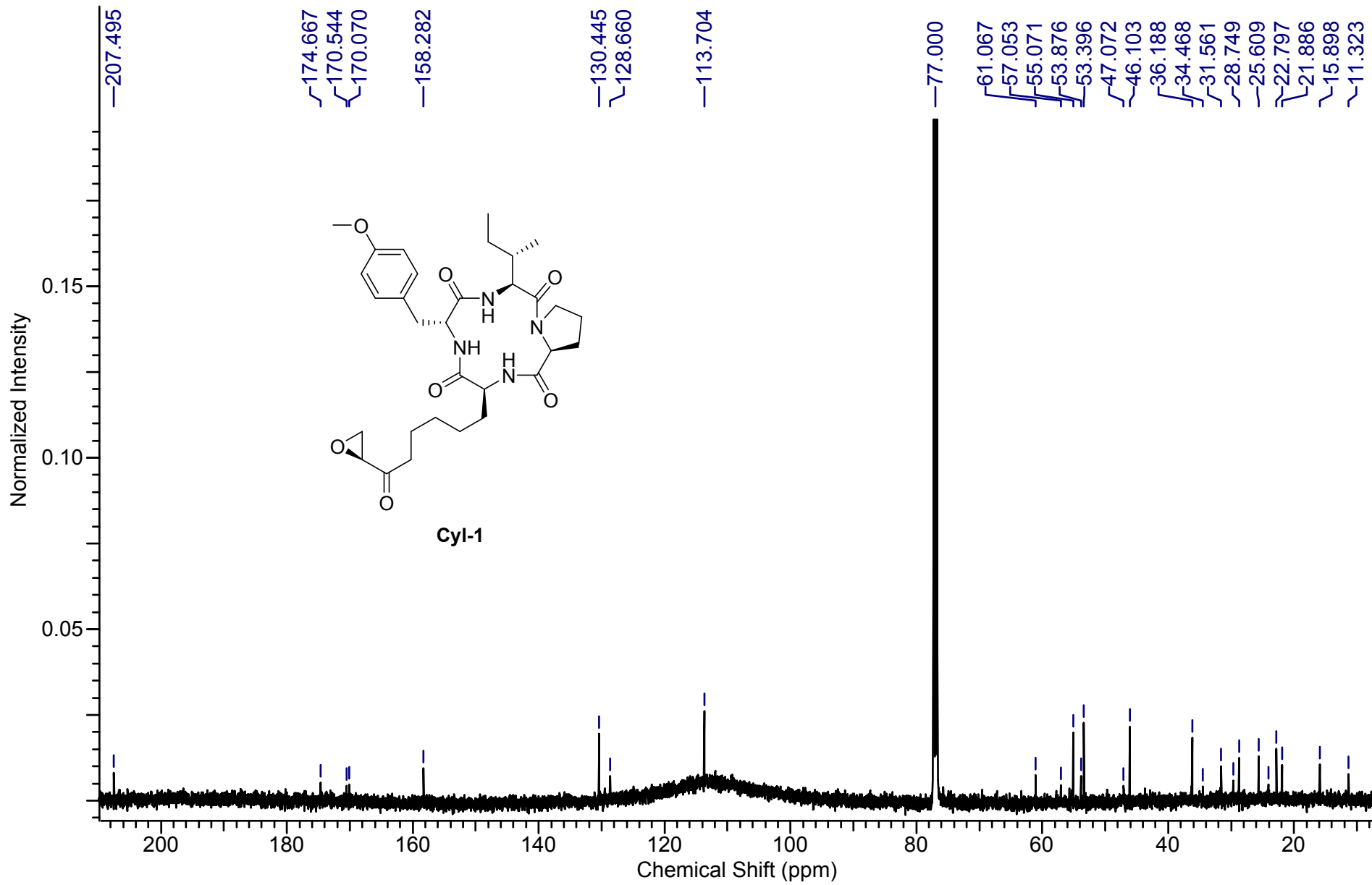


Table 1: Comparison of the observed signals for Cyl-1 with literature data from S. Takayama *et al.*, *Agric. Biol. Chem.* **1984**, *48*, 839-842.

observed		literature data	
δ [ppm]	J [Hz]	δ [ppm]	J [Hz]
2.86	2.5, 5.8	2.86	2.5, 6.0
2.99	4.8, 5.8	2.99	4.5, 6.0
3.41	2.5, 4.5	3.41	2.5, 4.5

observed, δ [ppm]	literature data, δ [ppm]
46.1	46.2
53.4	53.5
207.5	207.4