

Supporting Information for

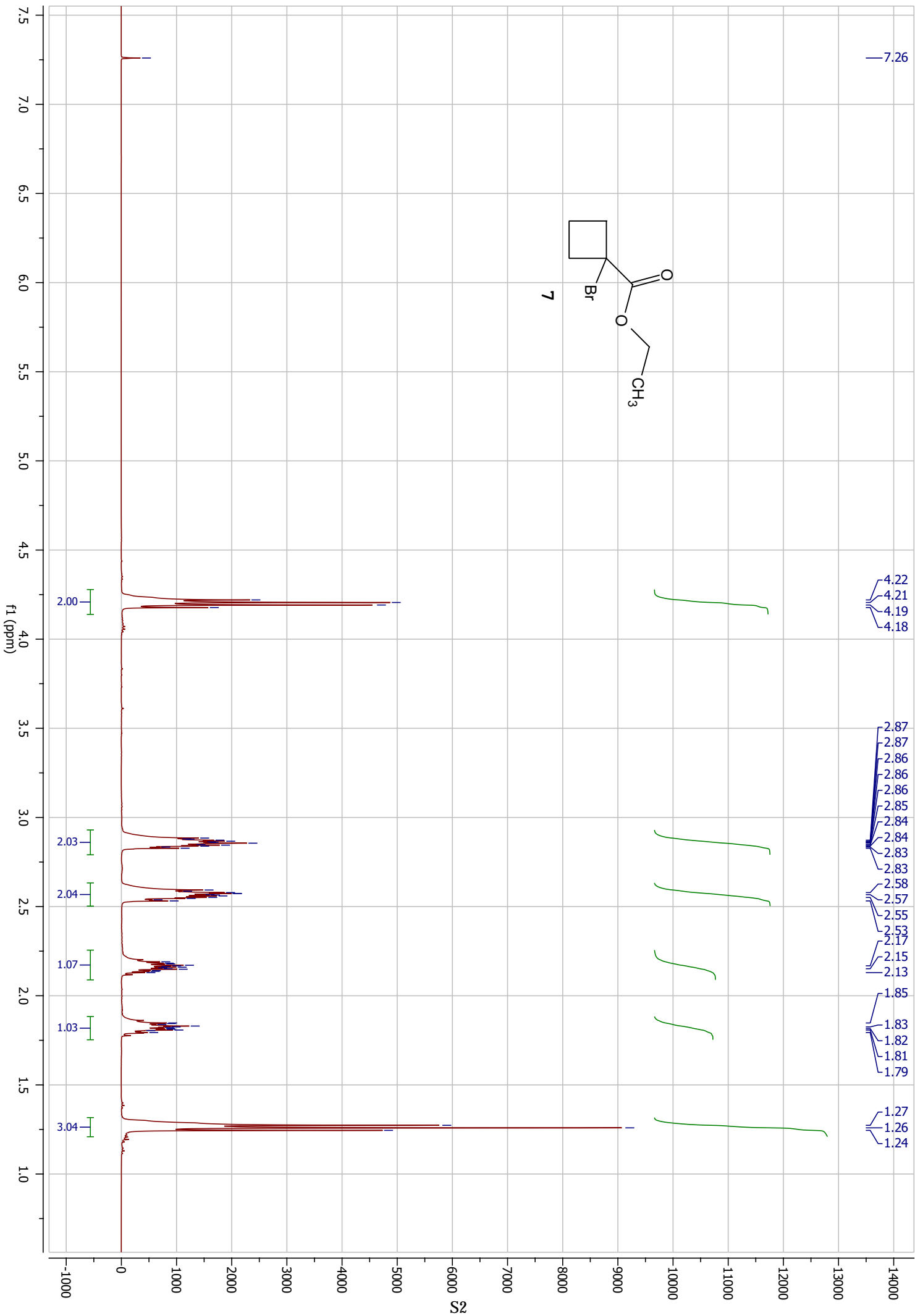
Synthesis of the 1-Monoester of 2-Ketoalkanedioic Acids, e.g., Octyl α -Ketoglutarate

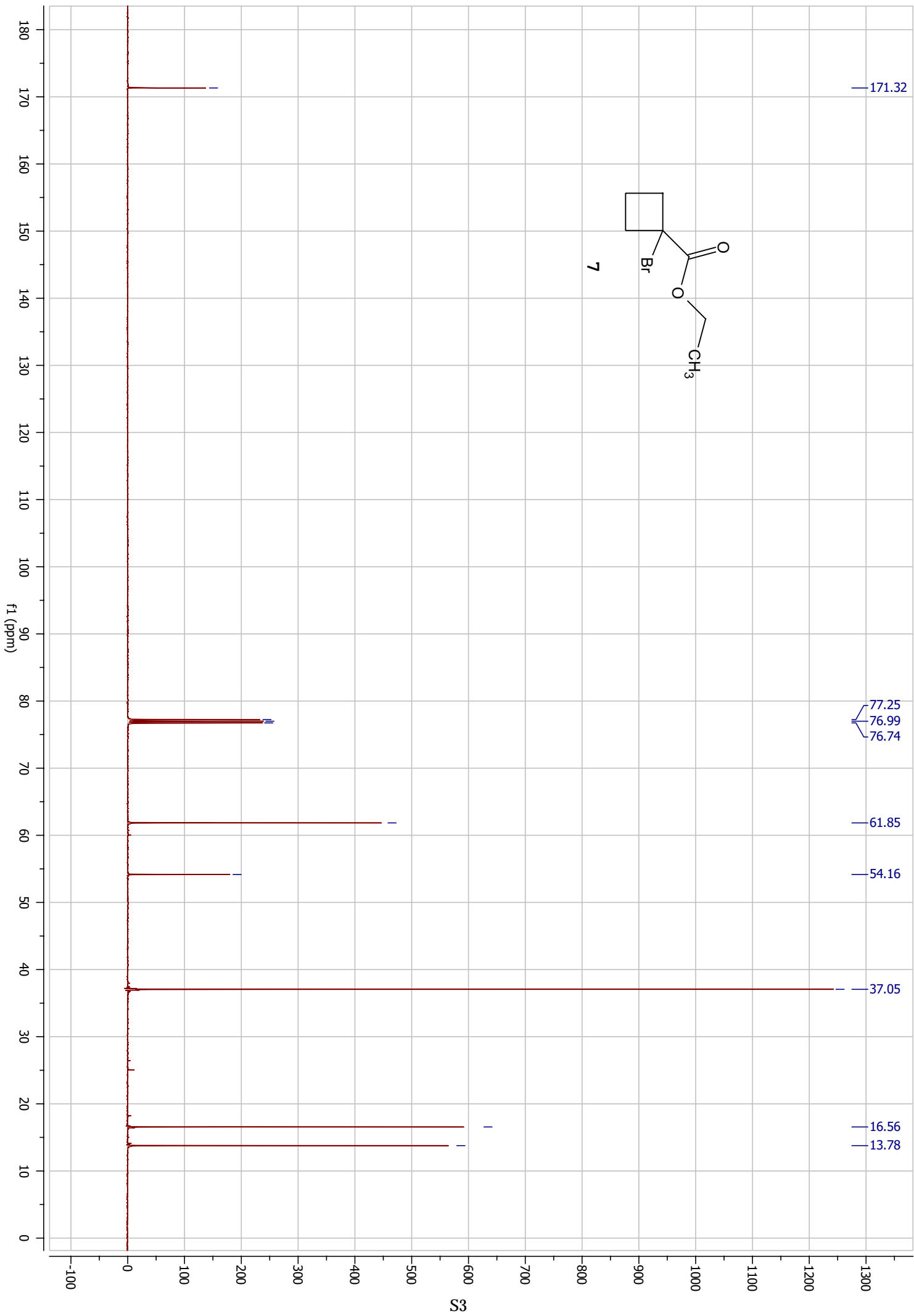
Michael E. Jung and Gang Deng*

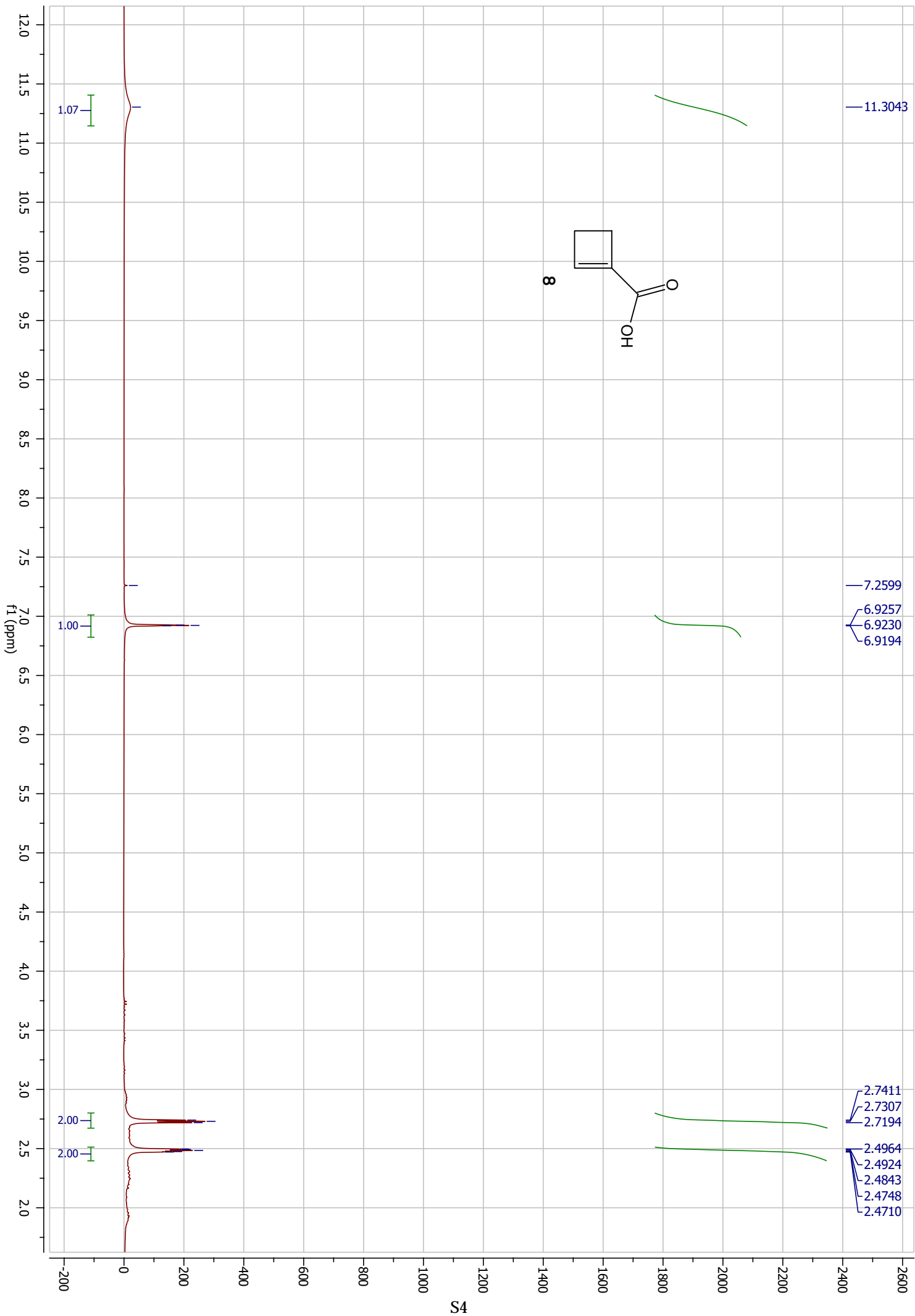
Department of Chemistry and Biochemistry, University of California, Los Angeles, California 90095-
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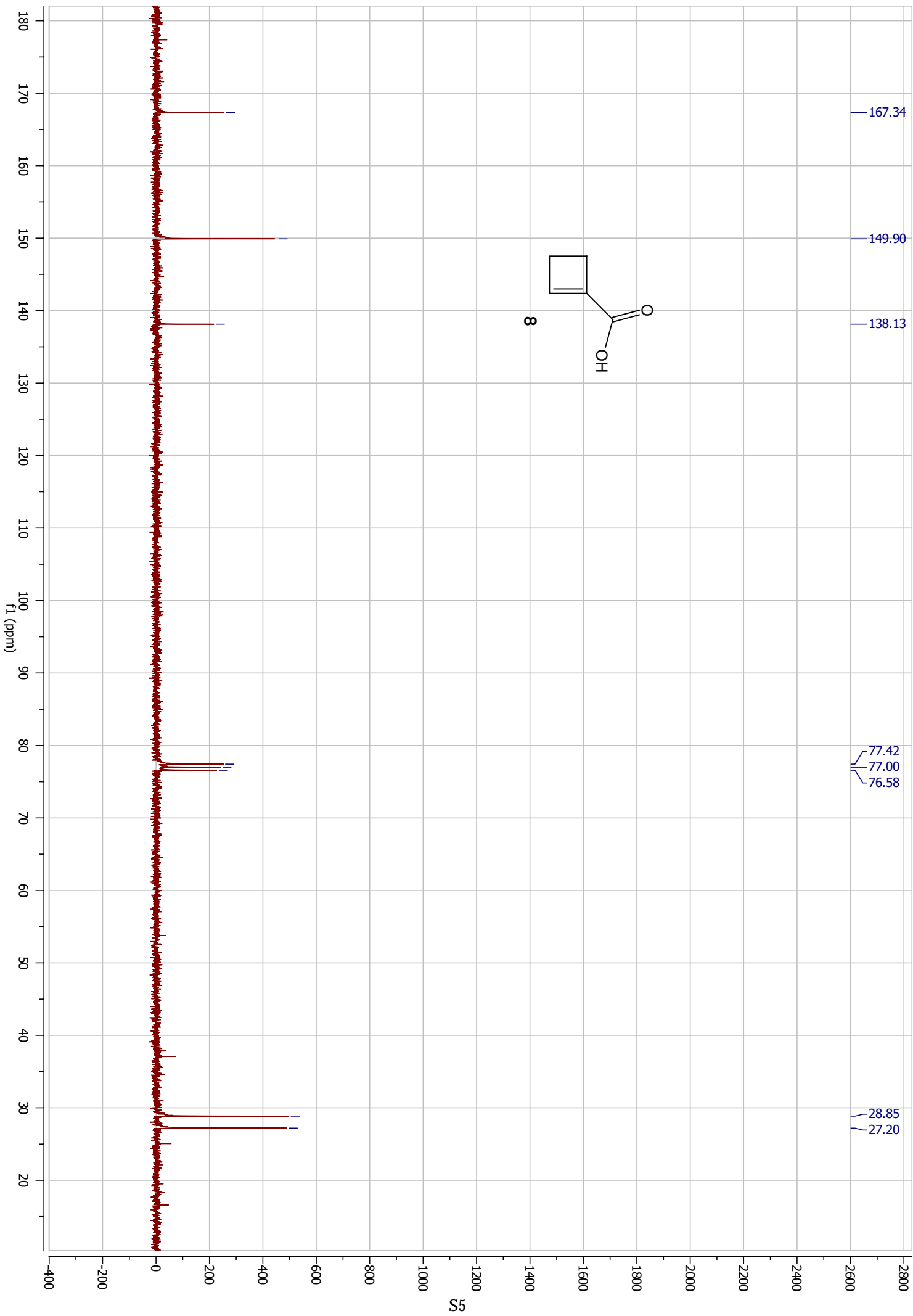
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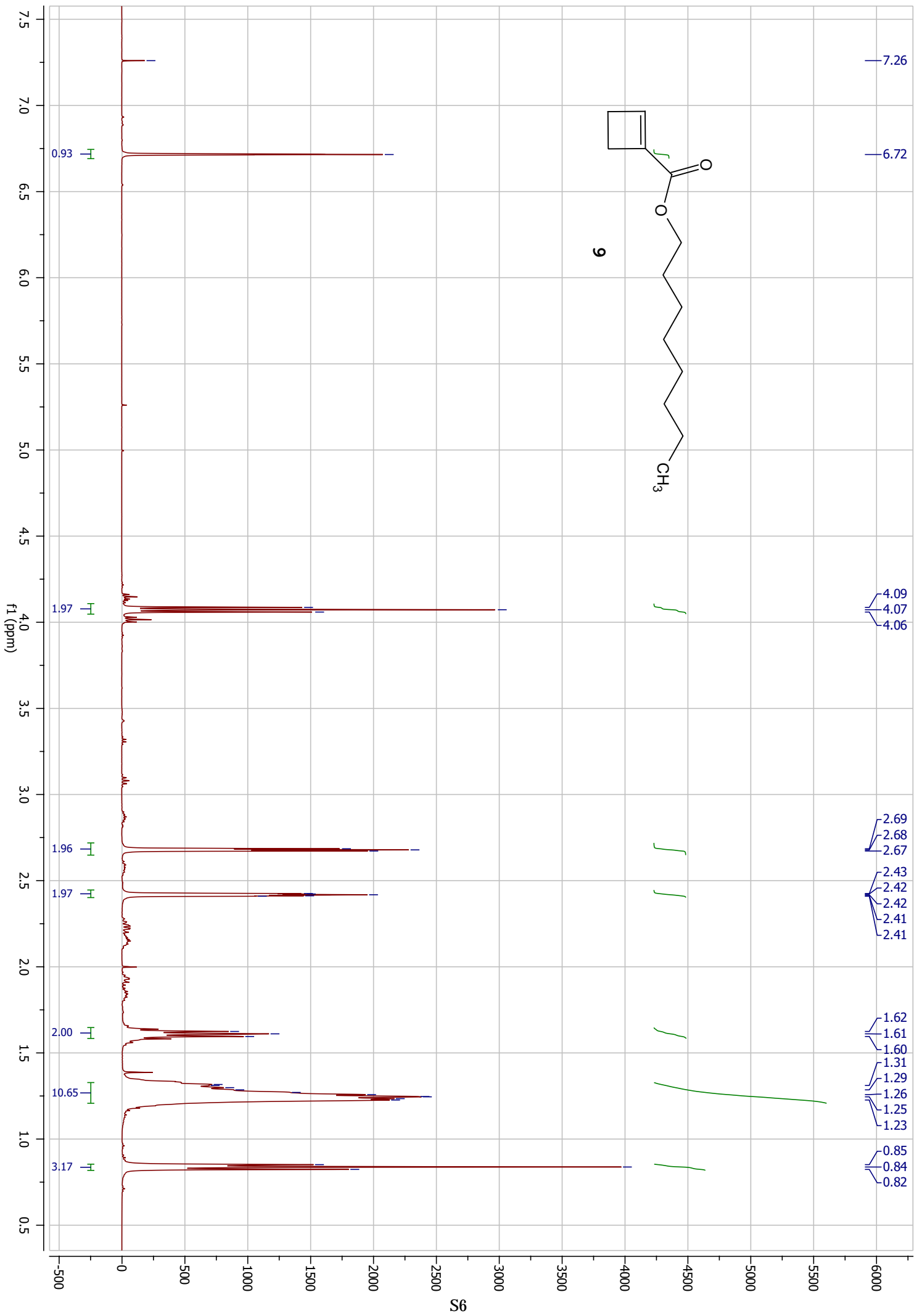
SpectraS2

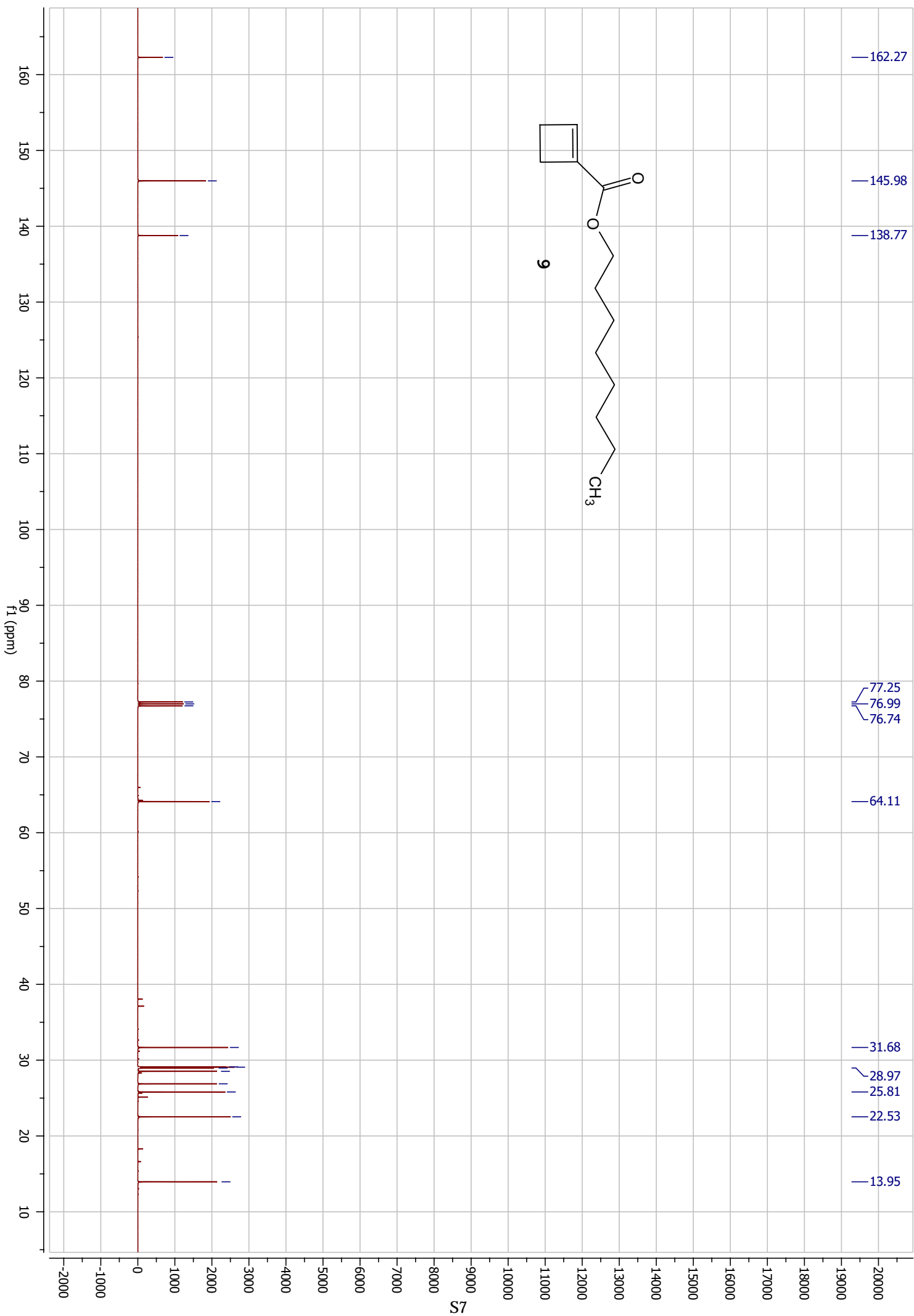


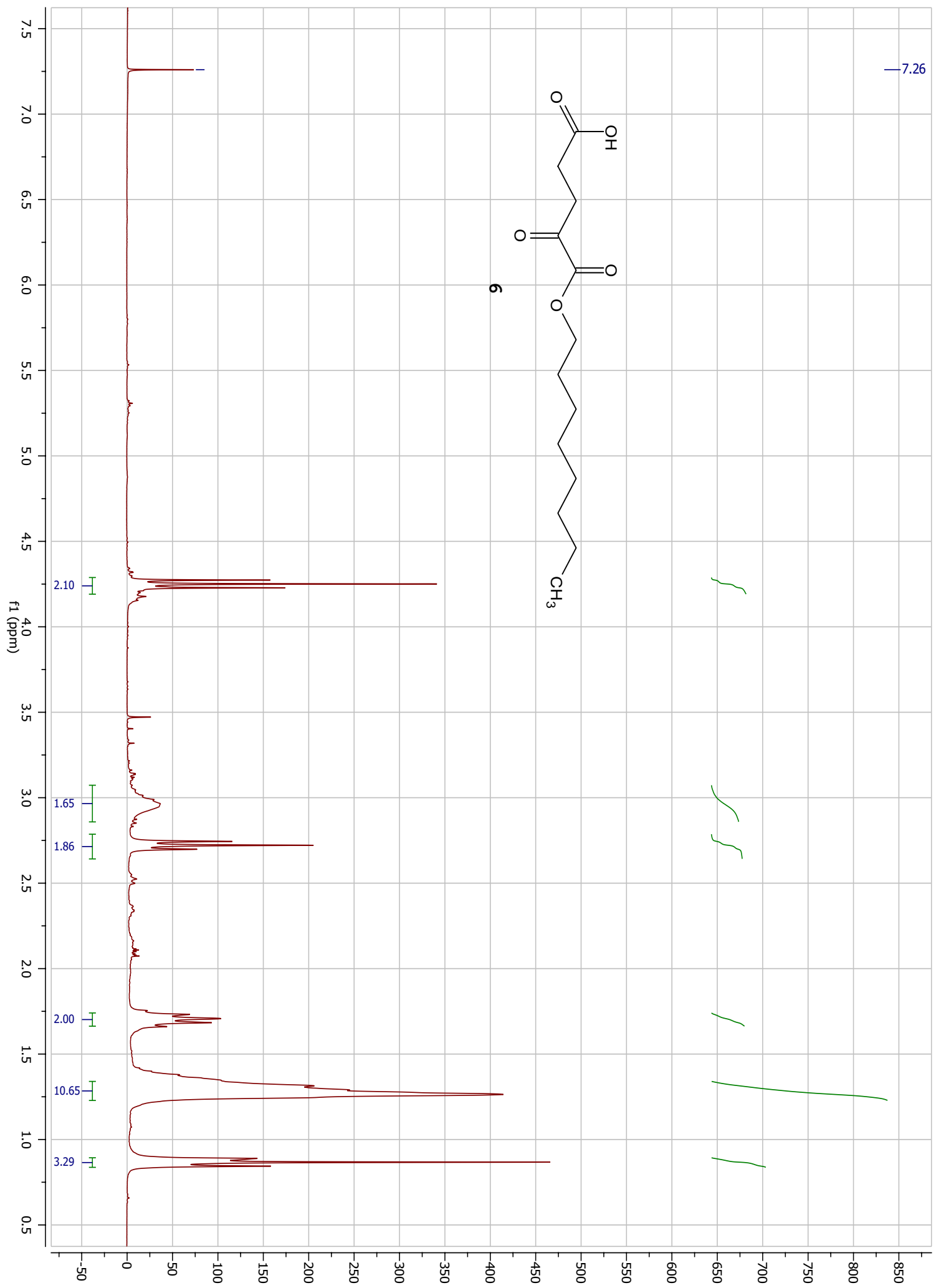


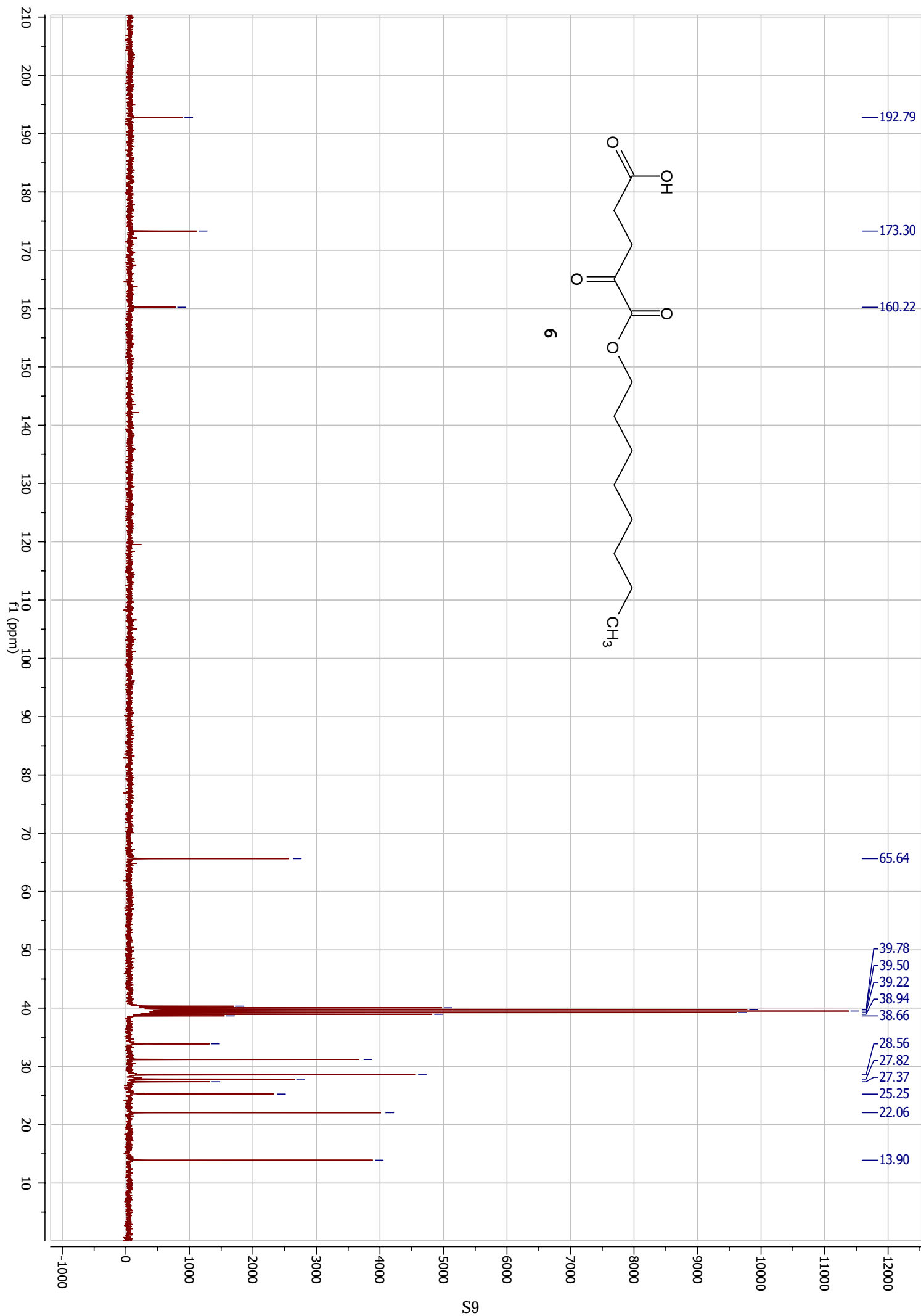


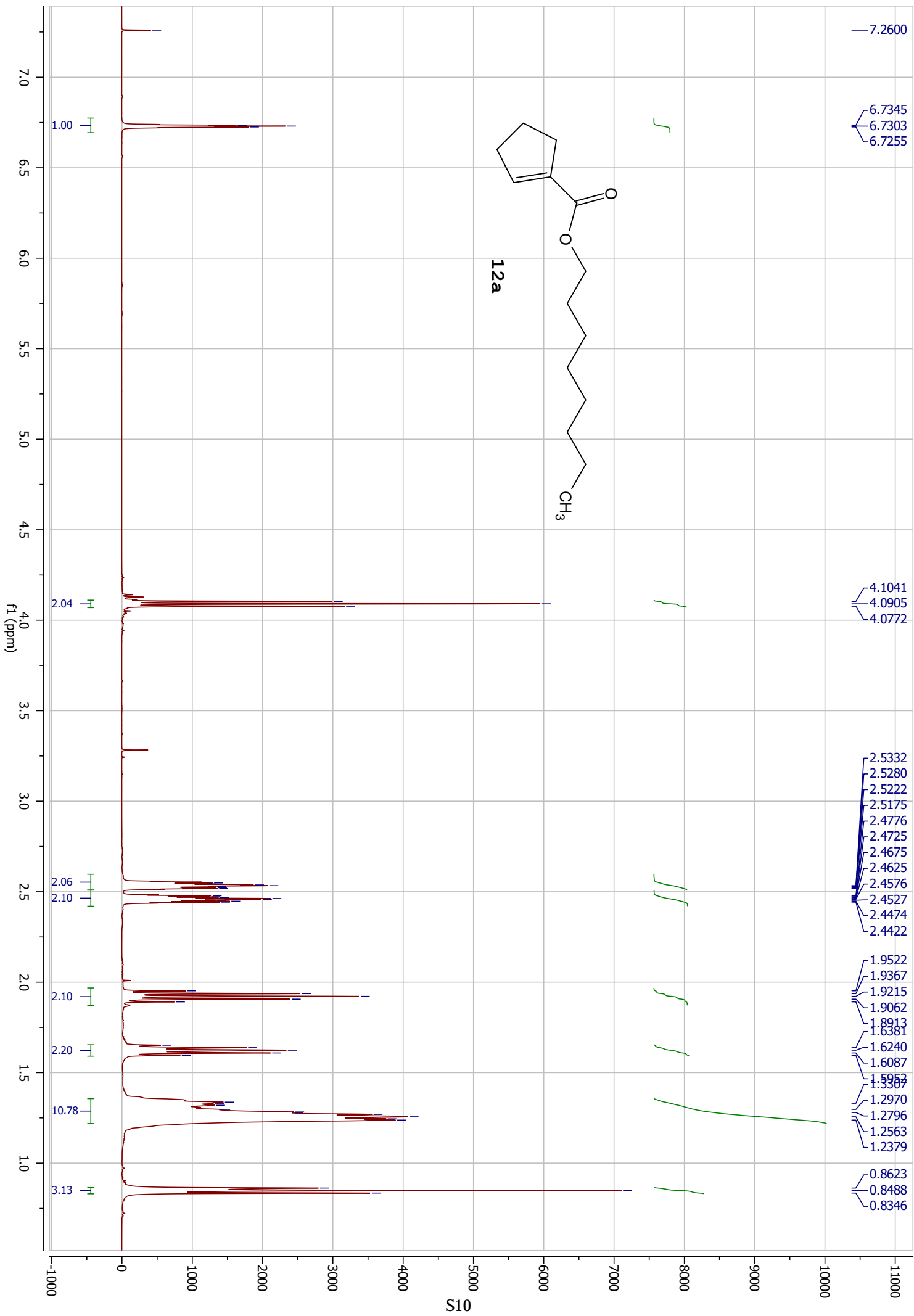


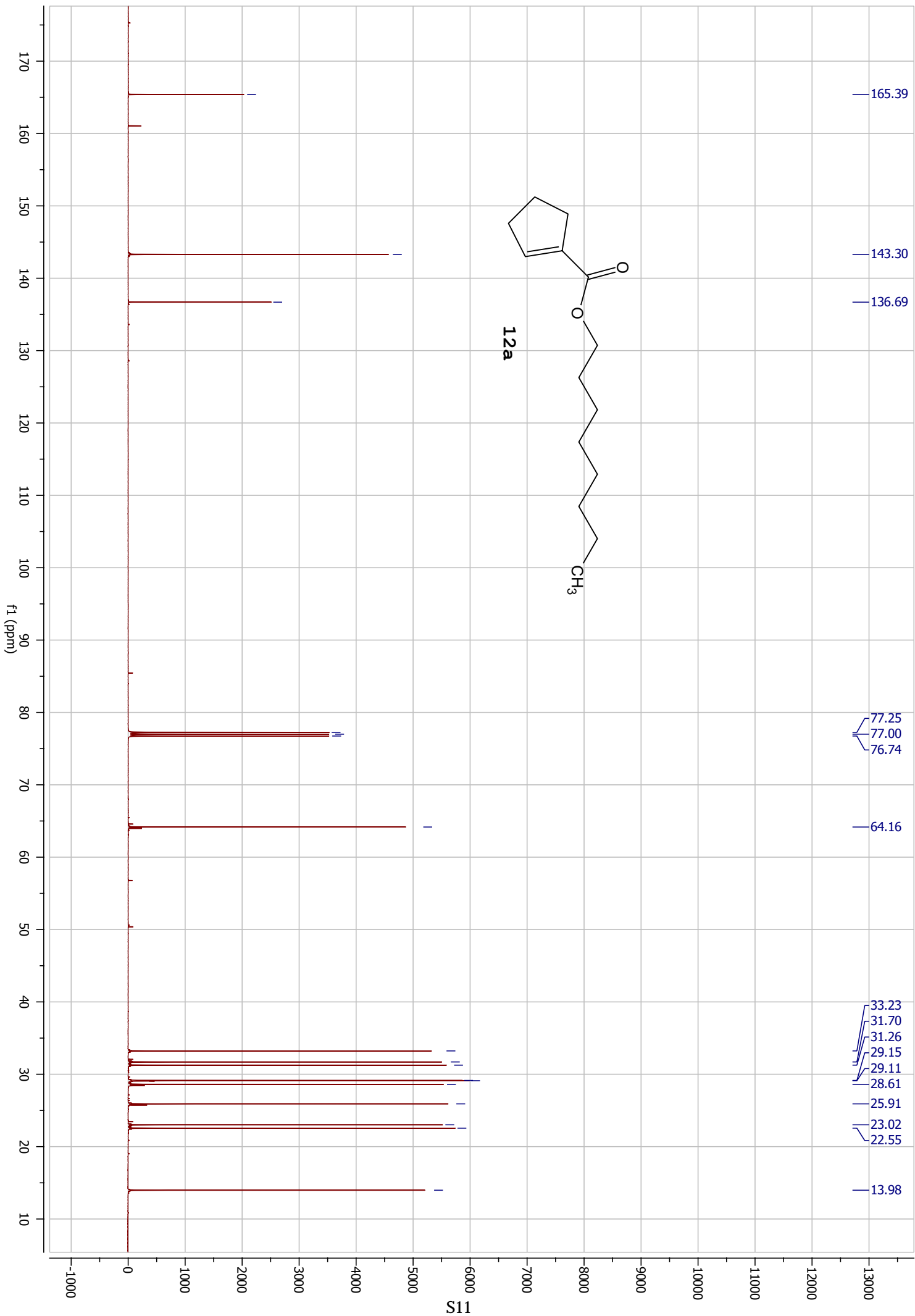


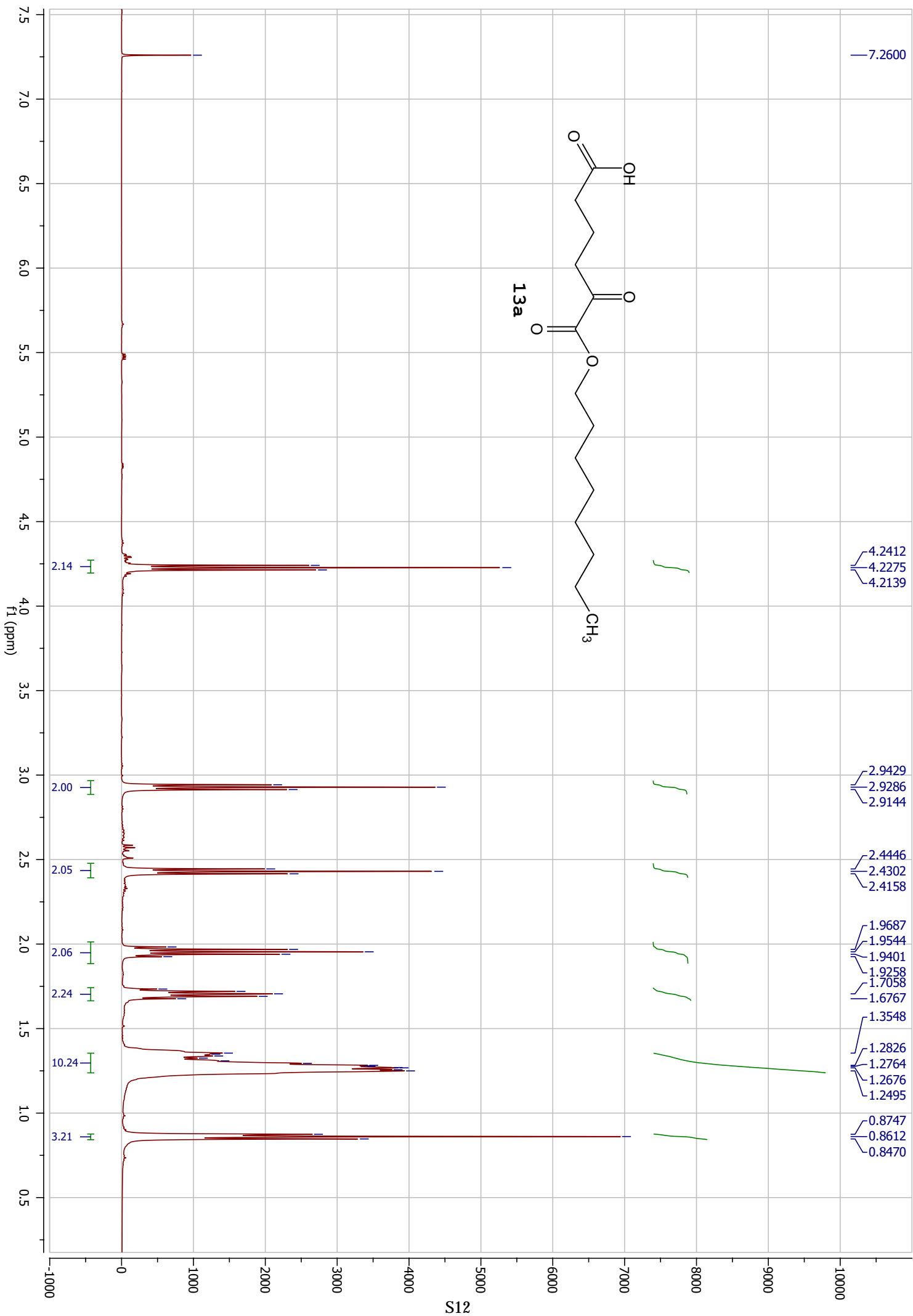


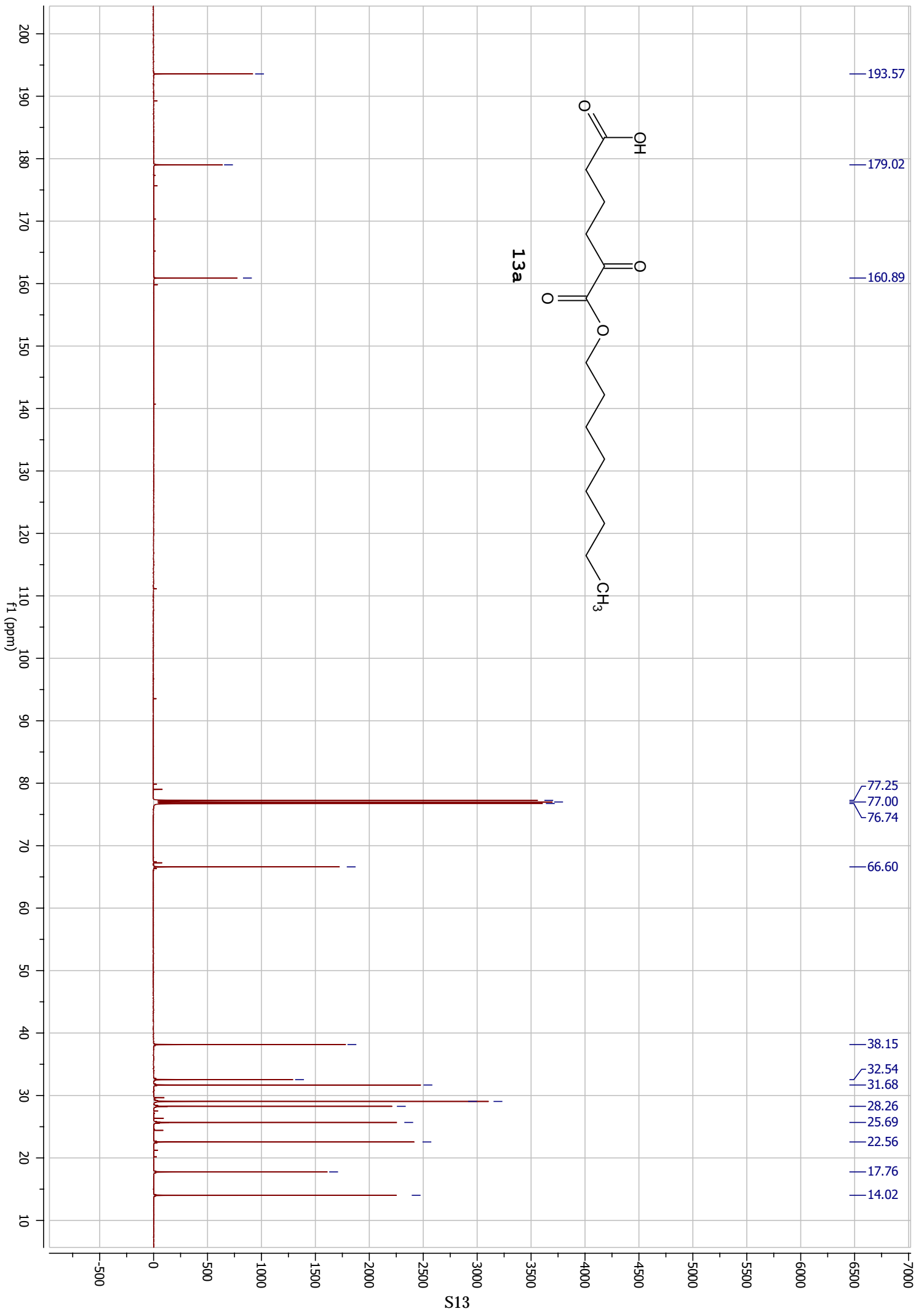


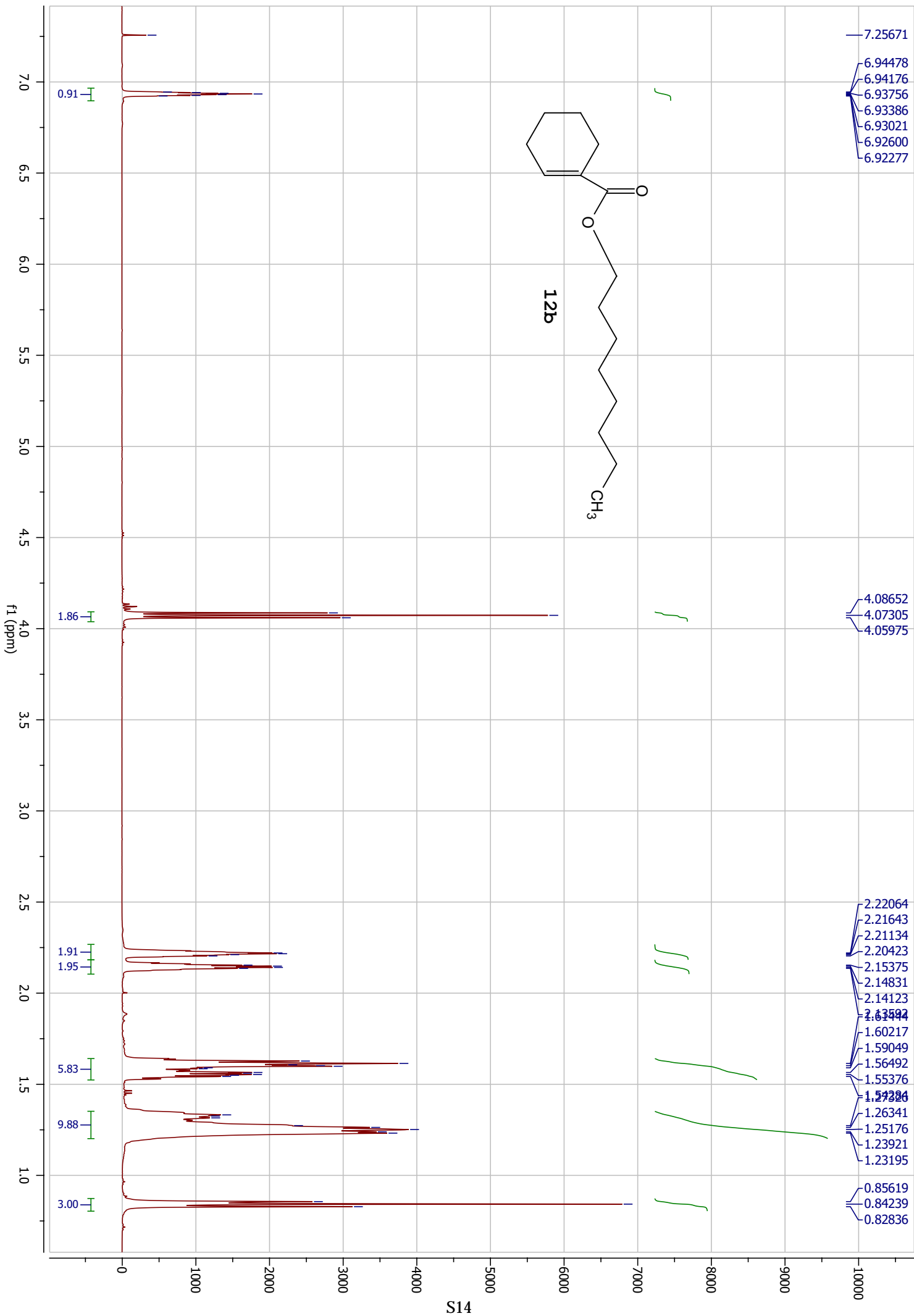


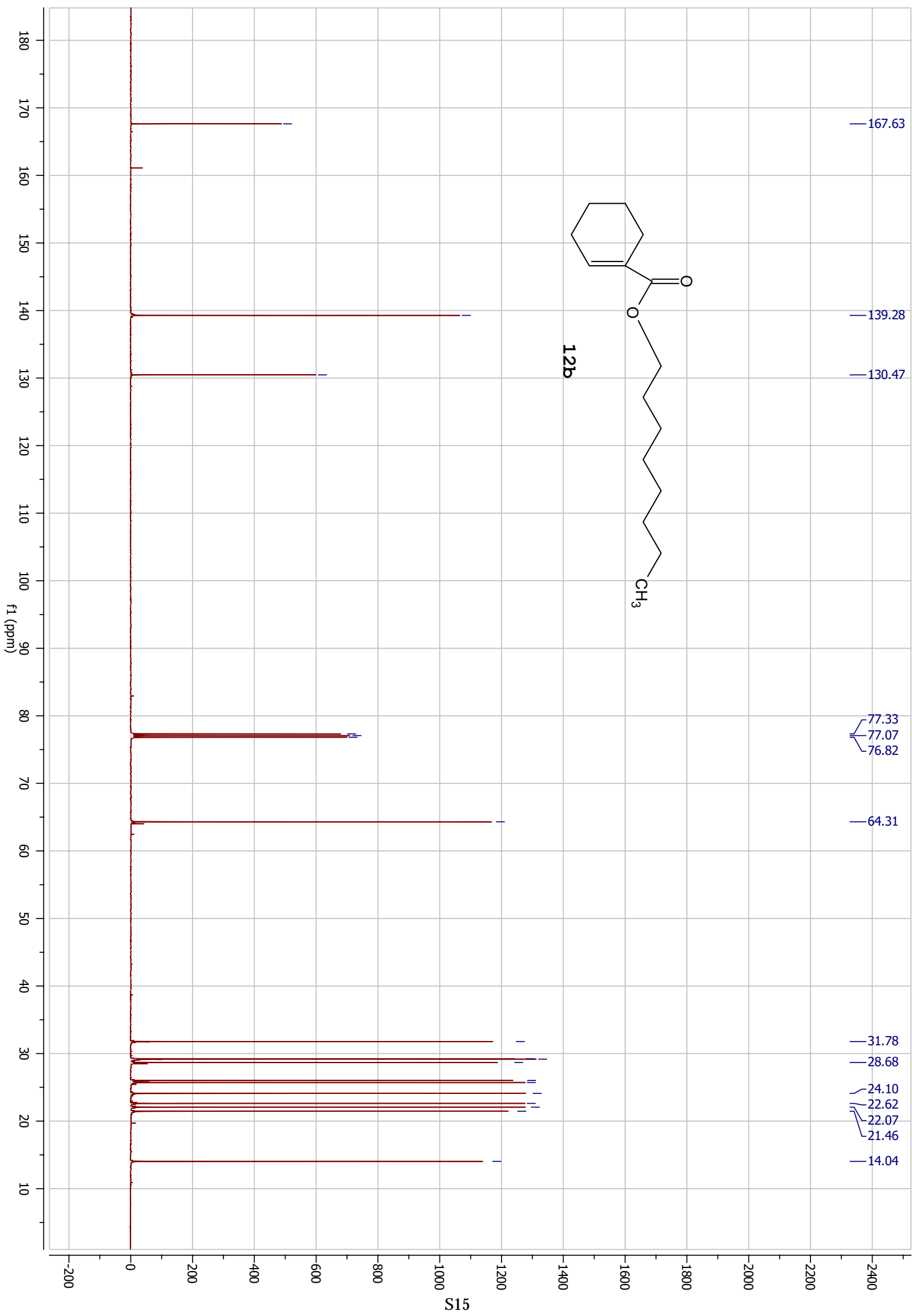


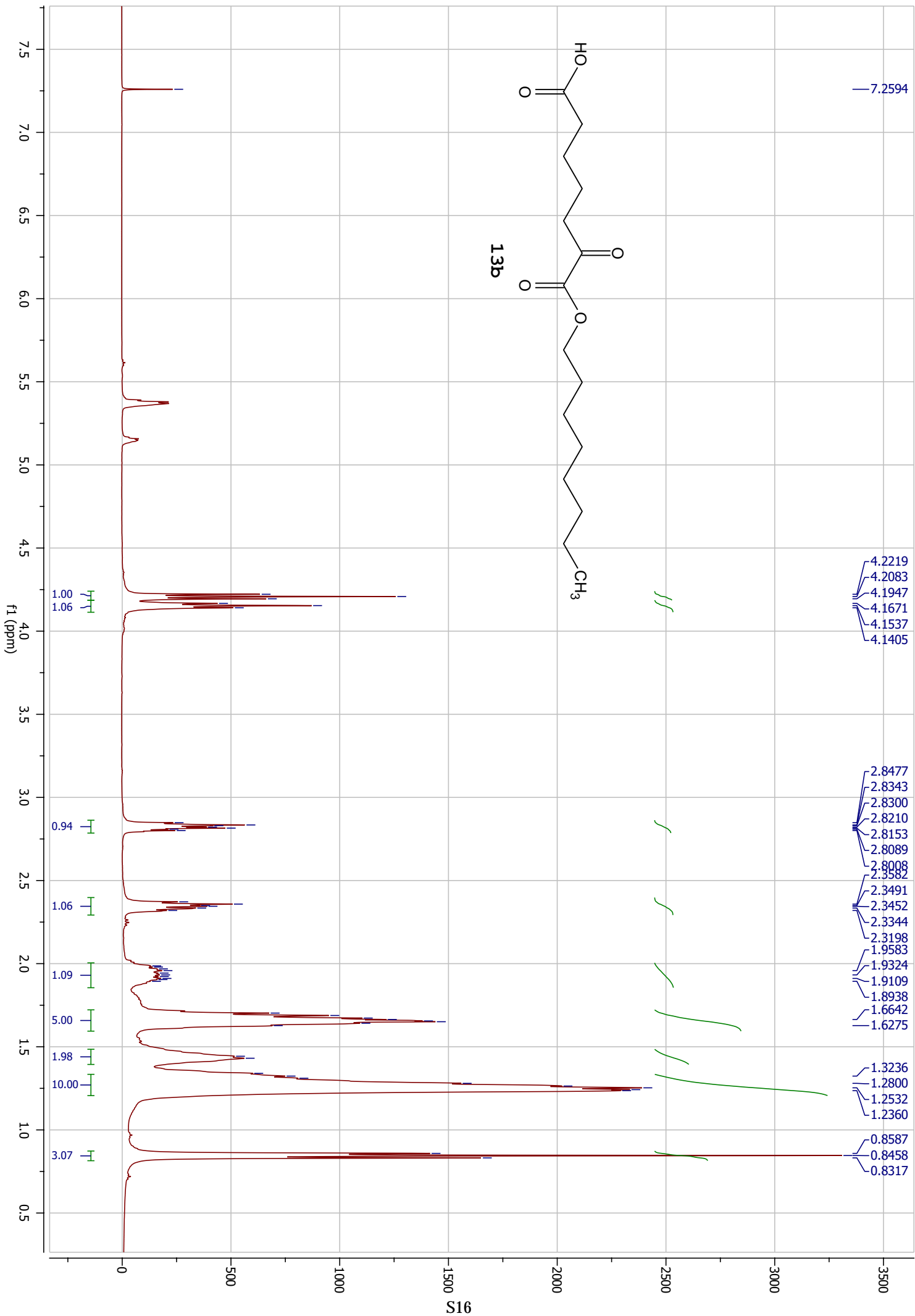


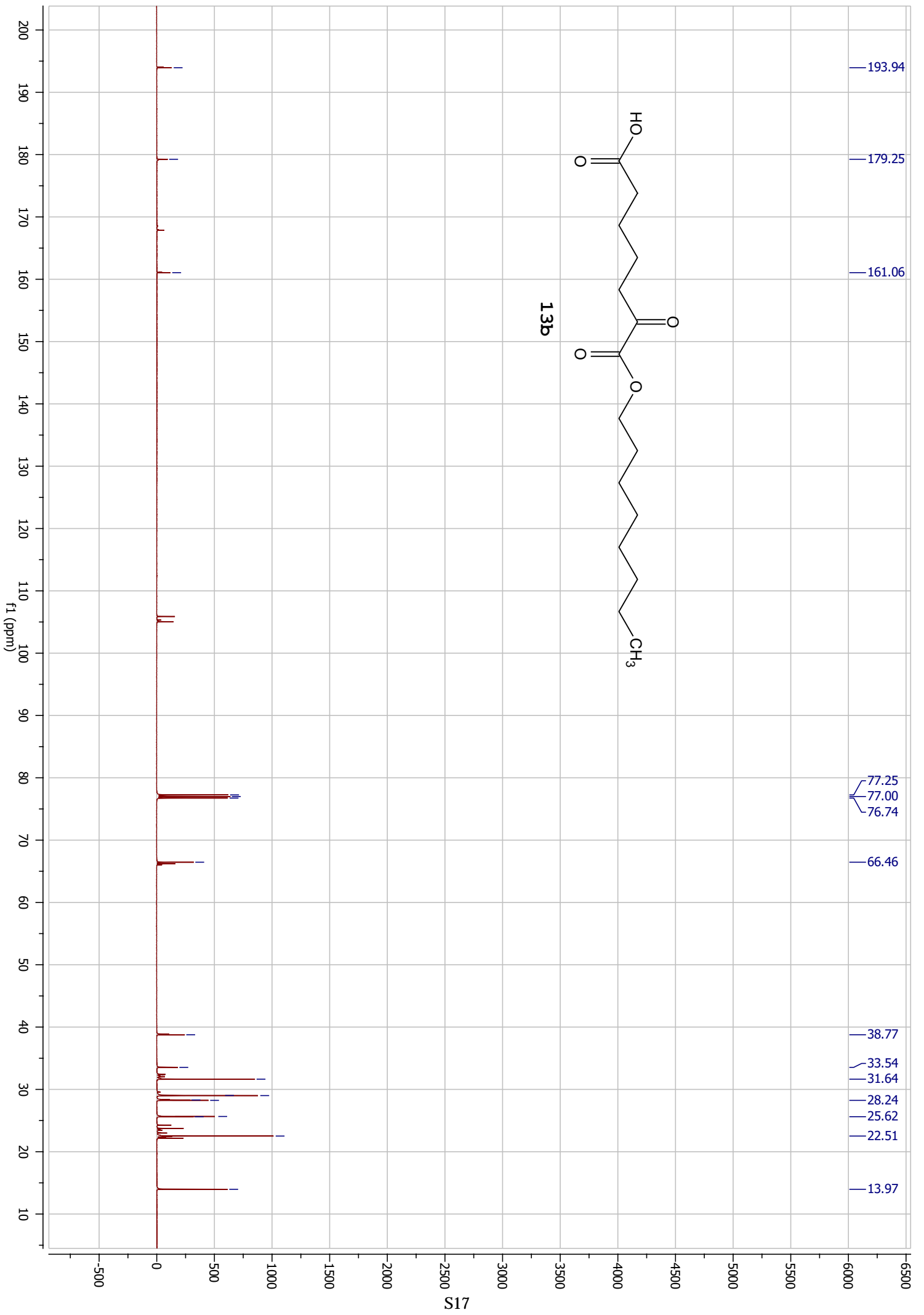


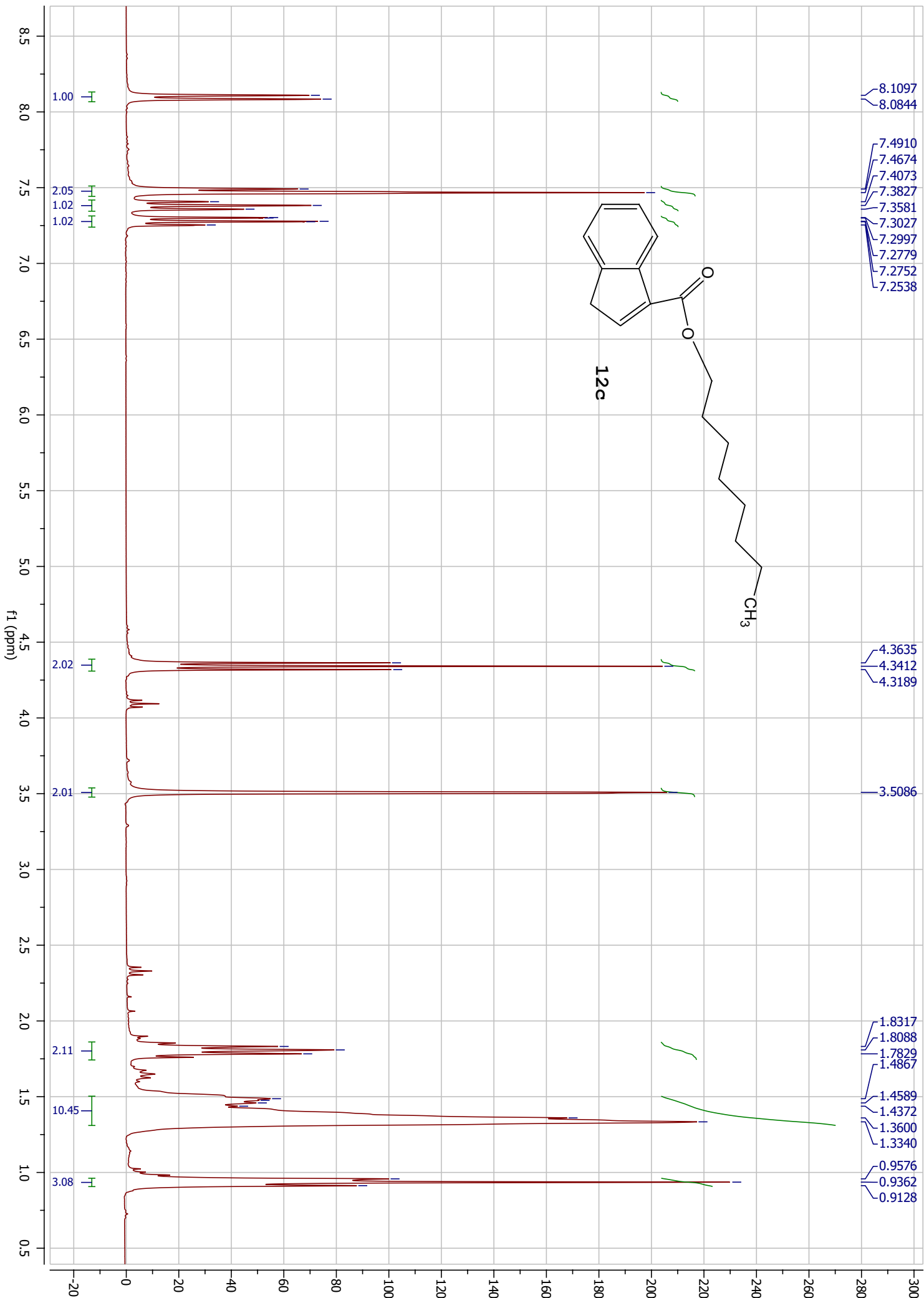


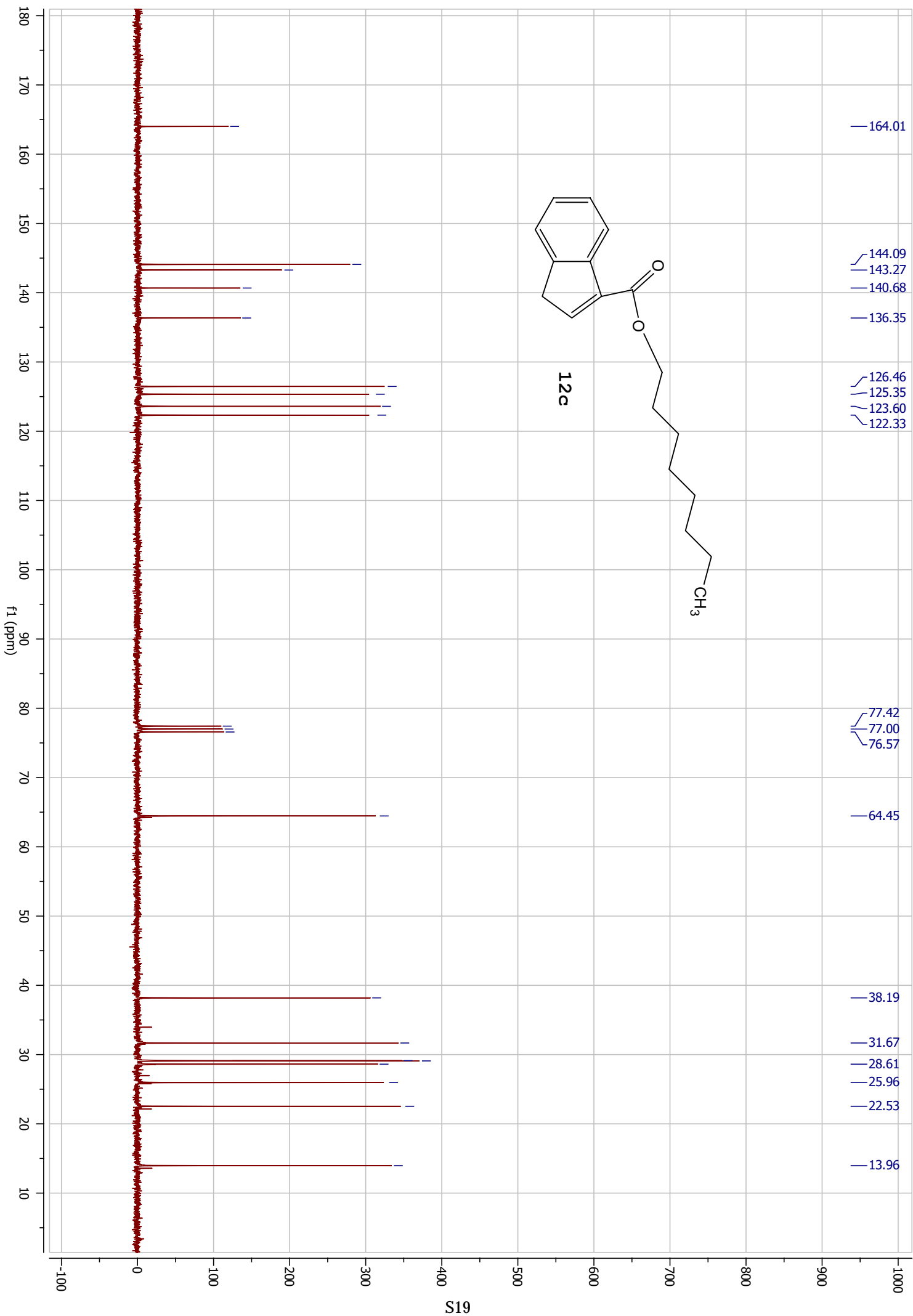


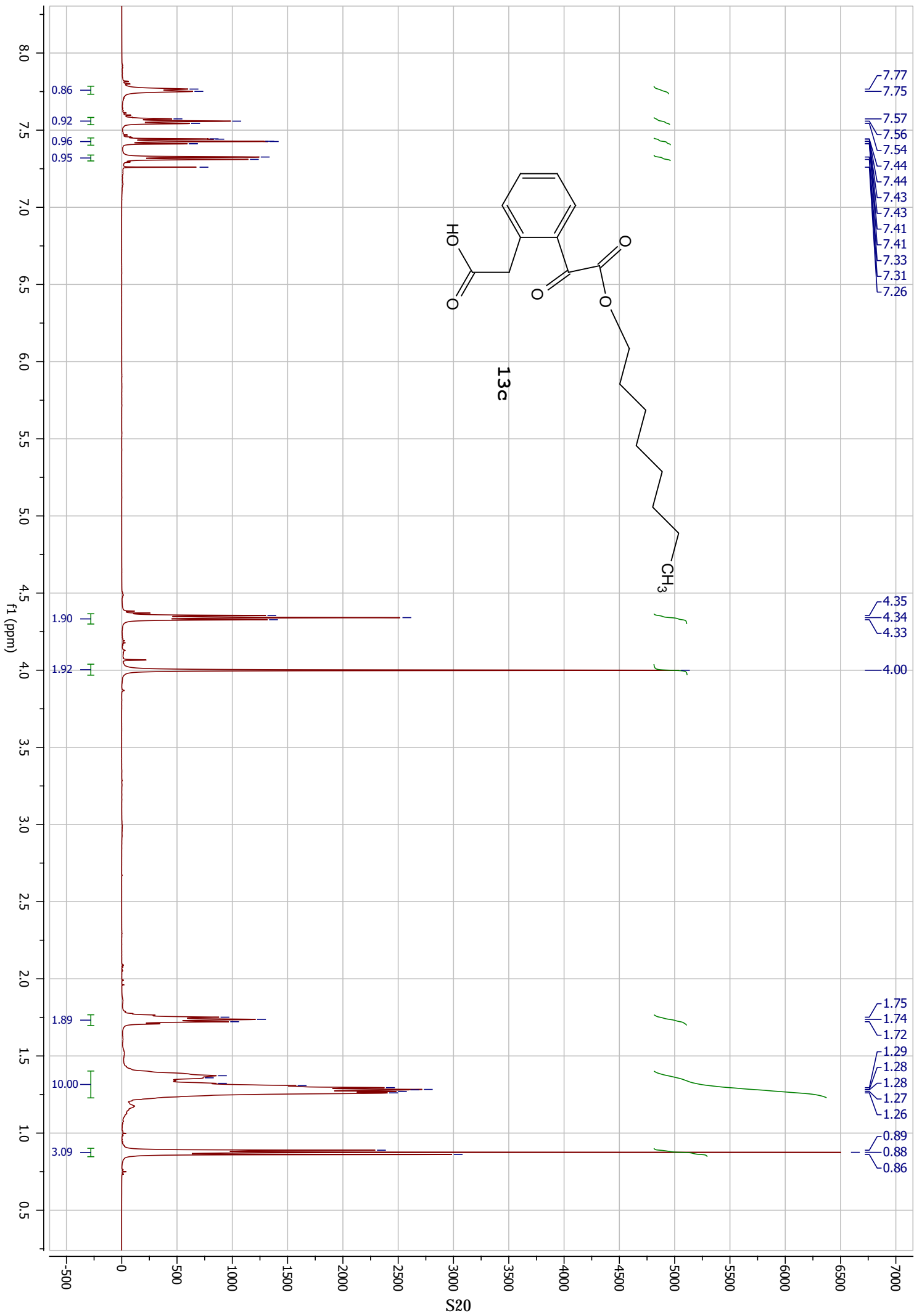


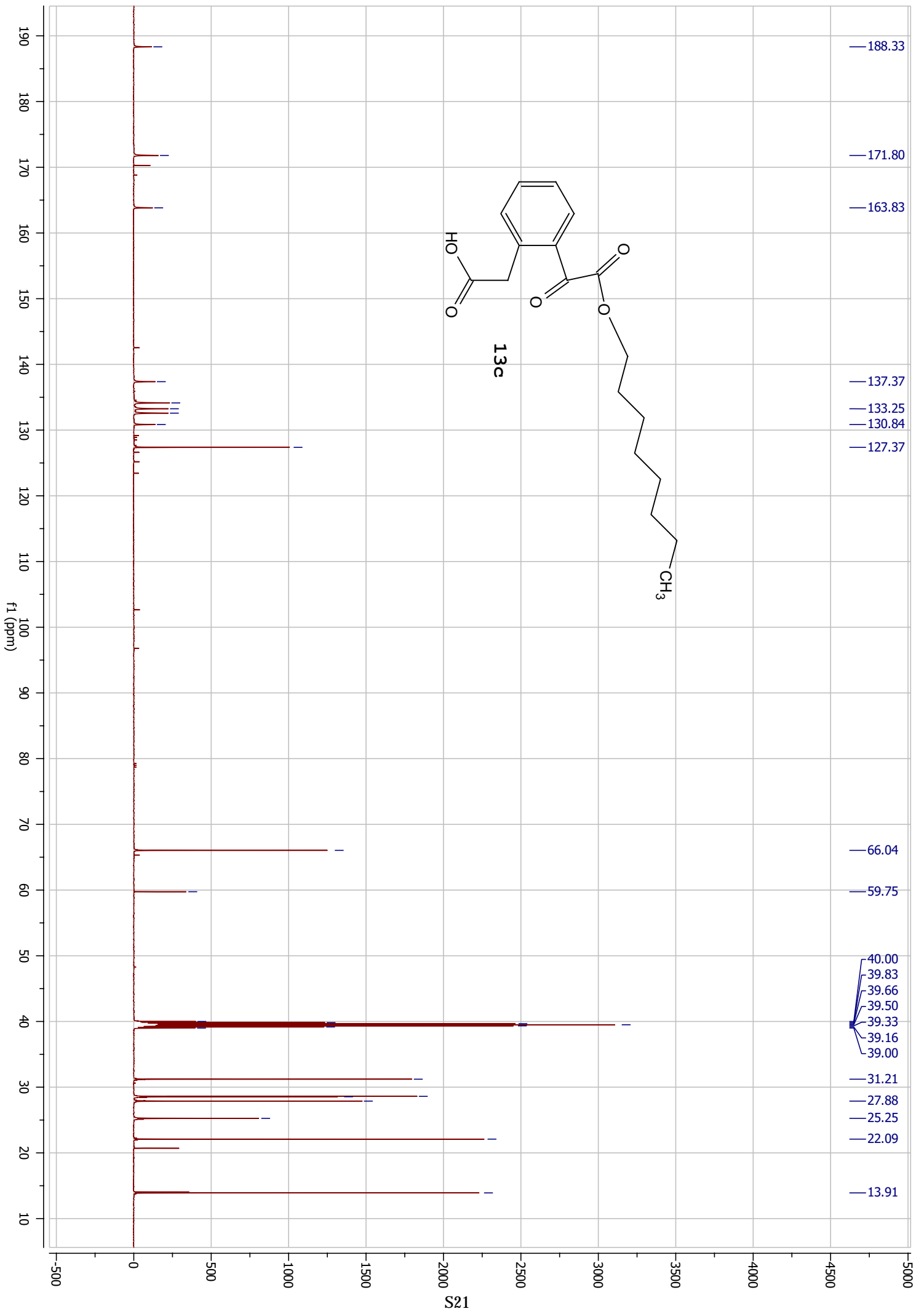


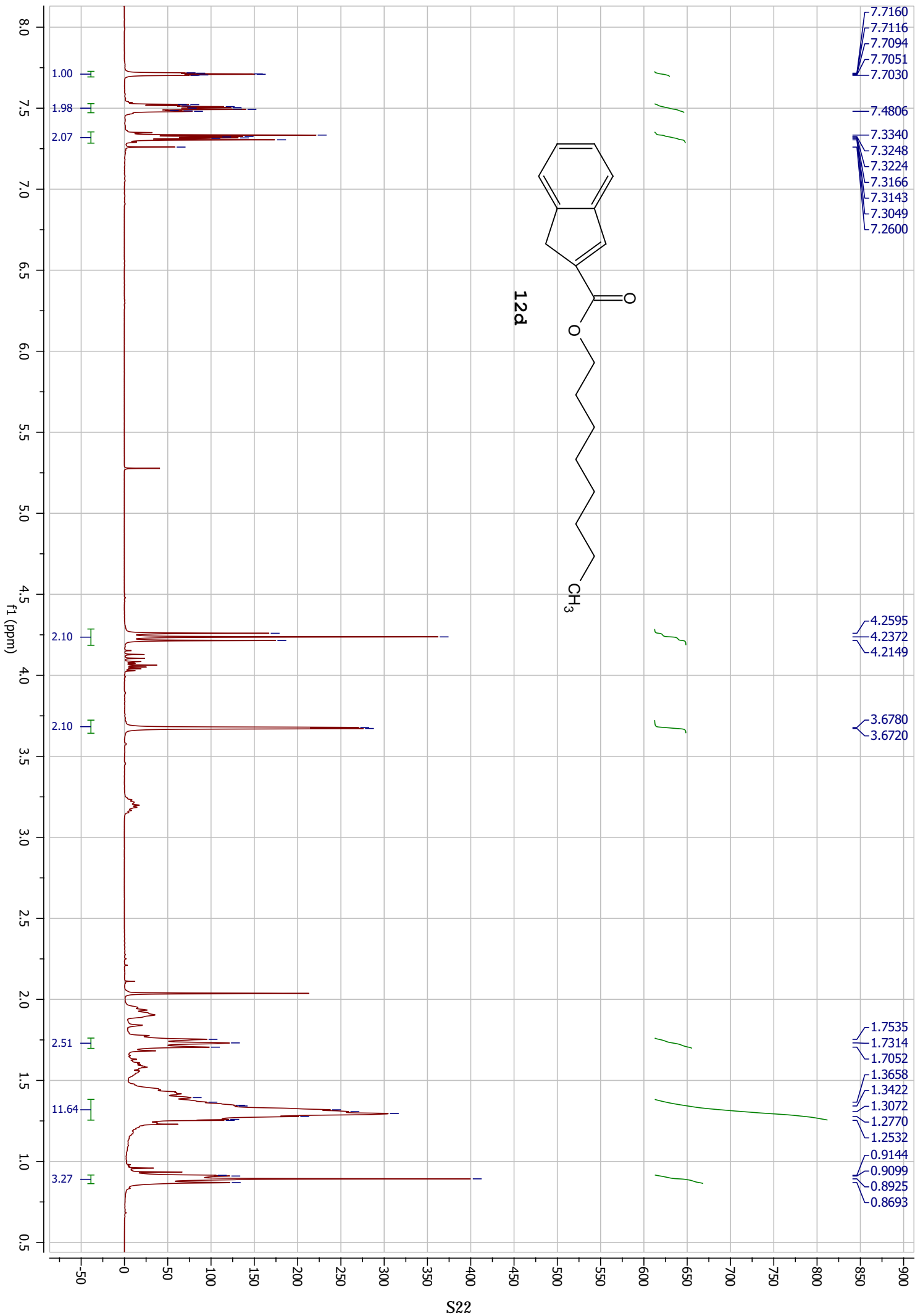


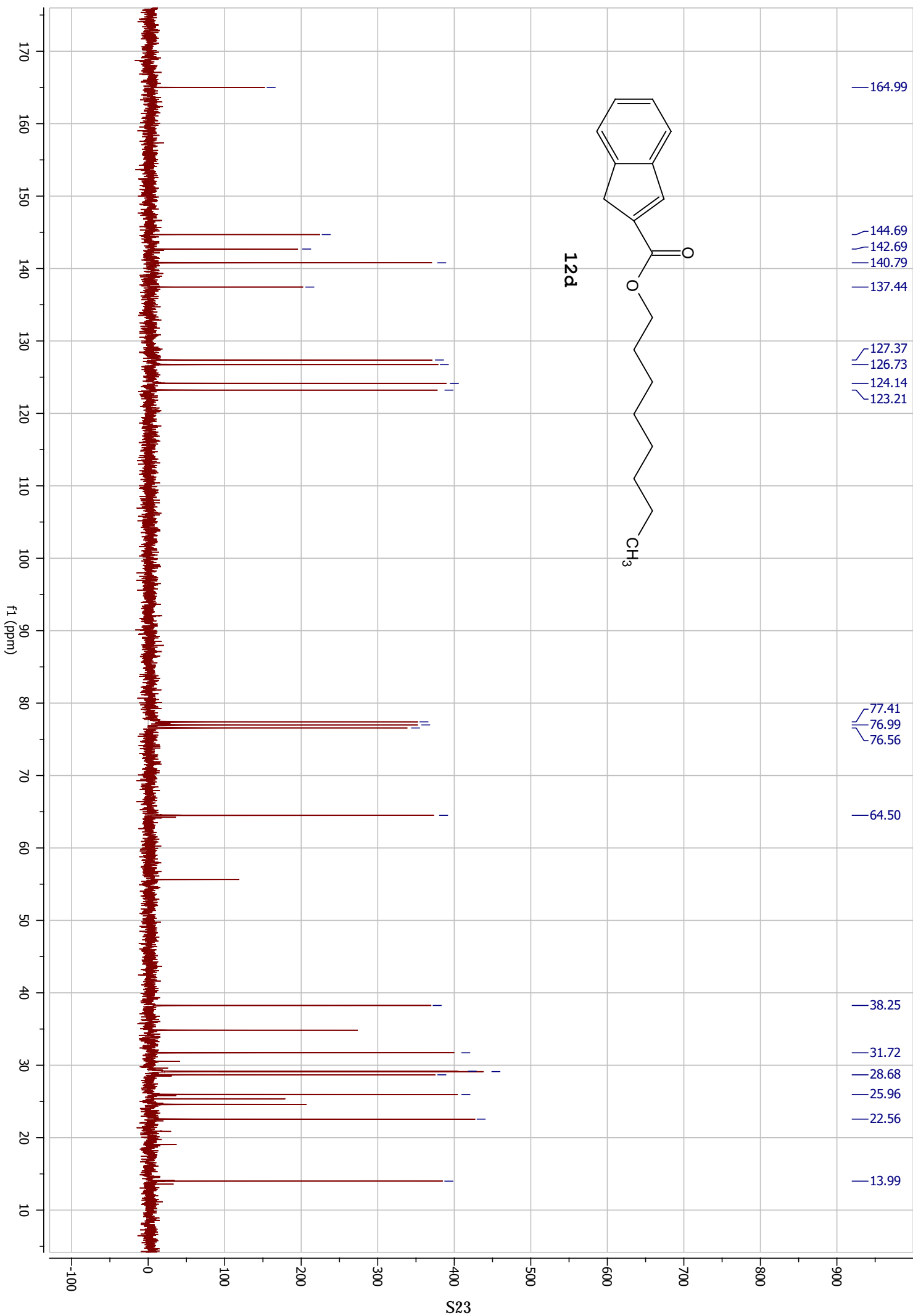


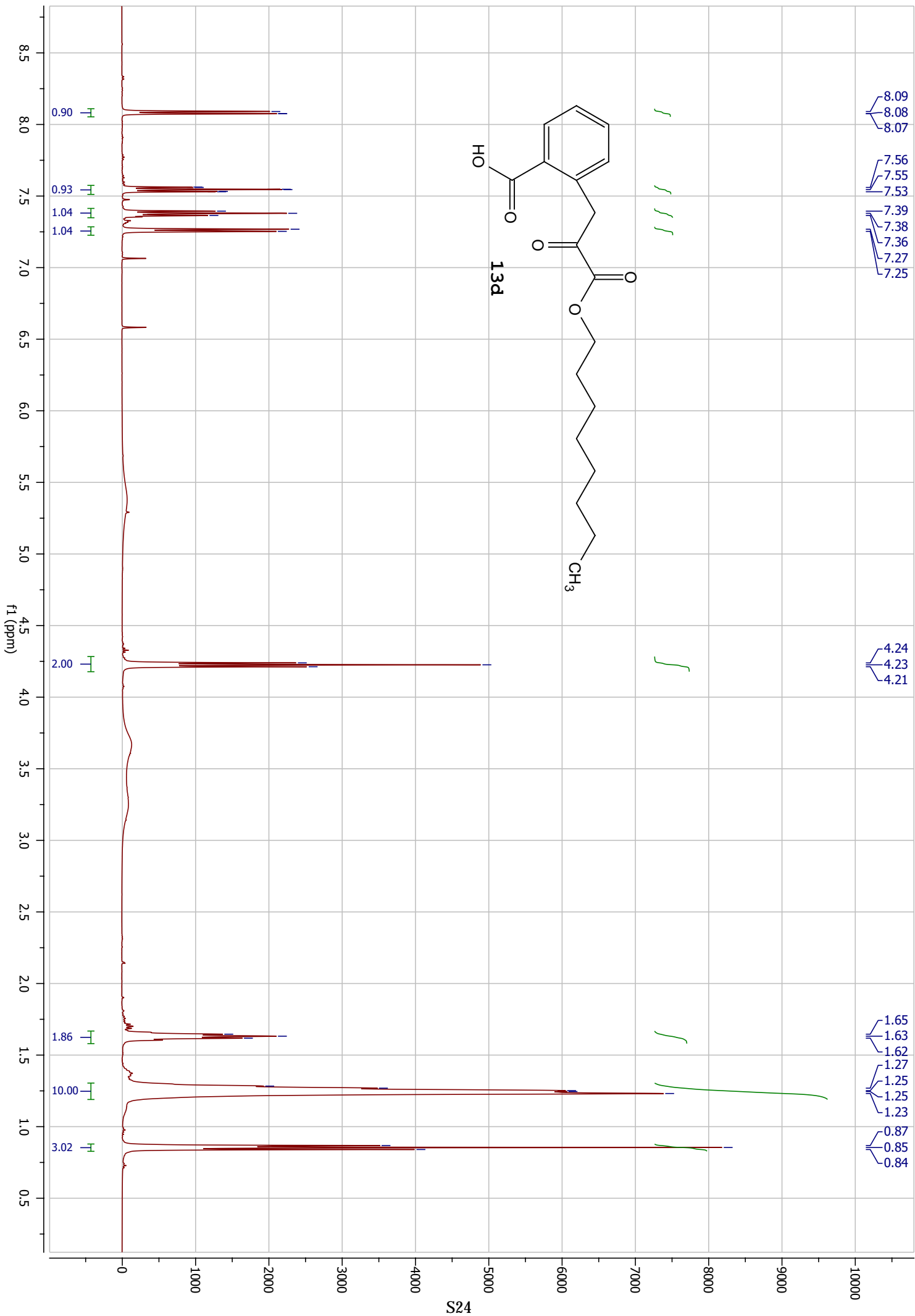


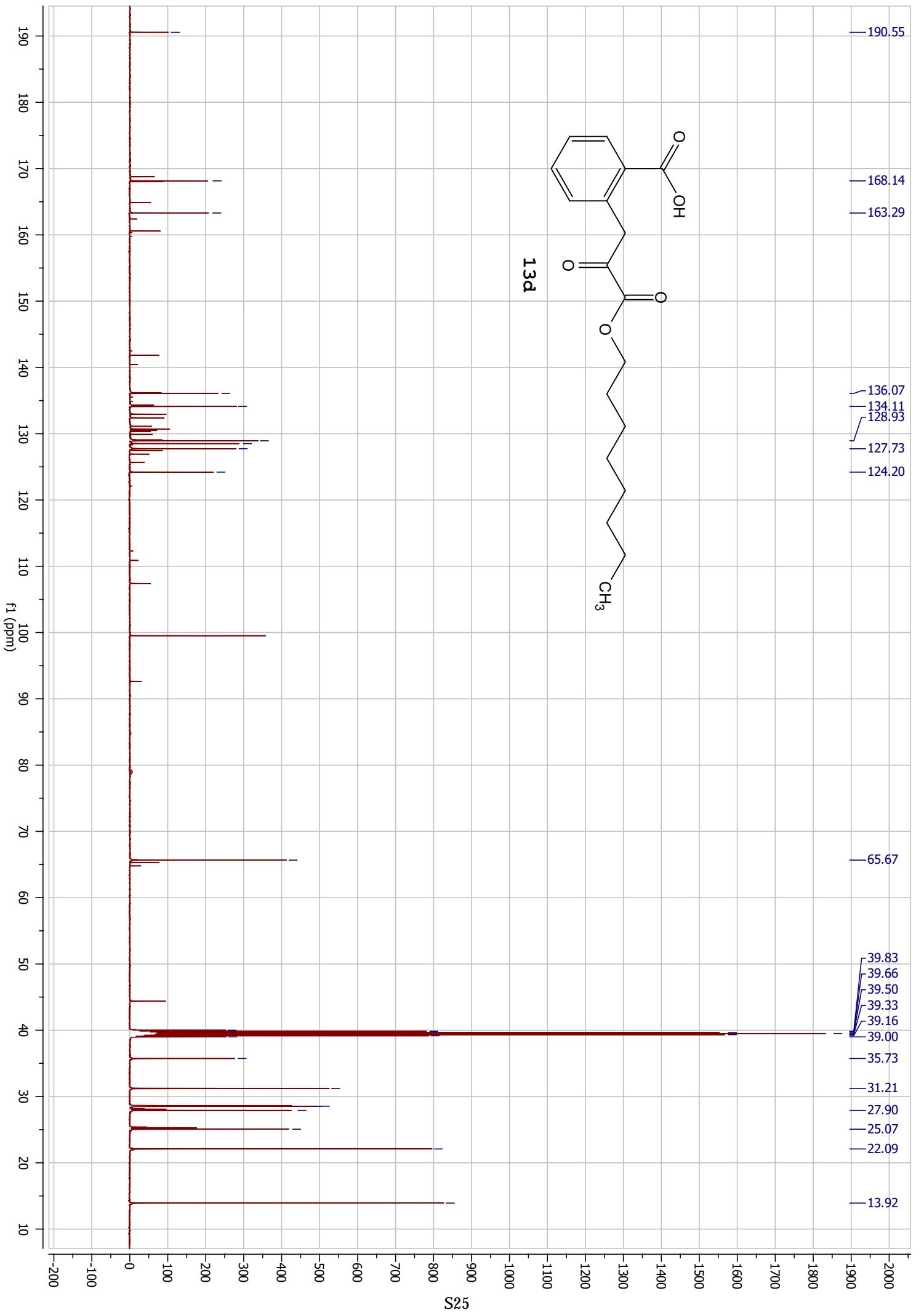












References and Notes

- (1) All of the α -ketoalkanedioic acids exist predominantly as the keto form except for two, namely: **13b**, which exists as a mixture of the predominant keto form and both *E* and *Z* enol forms (one major and one minor, unassigned); and **13d**, which exists as a mixture of all three forms, the keto and both enol forms.
- (2) Pietruszka, J.; Simon, R. C.; Kruska, F.; Braun, M. *Eur. J. Org. Chem.* **2009**, 35, 6217.
- (3) Varnavas, A.; Lassiani, L.; Valenta, V.; Berti, F.; Tontini, A.; Mennuni, L.; Makovec, F. *Eur. J. Med. Chem.* **2004**, 39, 85.