

Supporting Information
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Supporting Information
for
Phosphine-Catalyzed Z-selective Carbofluorination of Alkynoates Bearing an N-Heteroarene Unit

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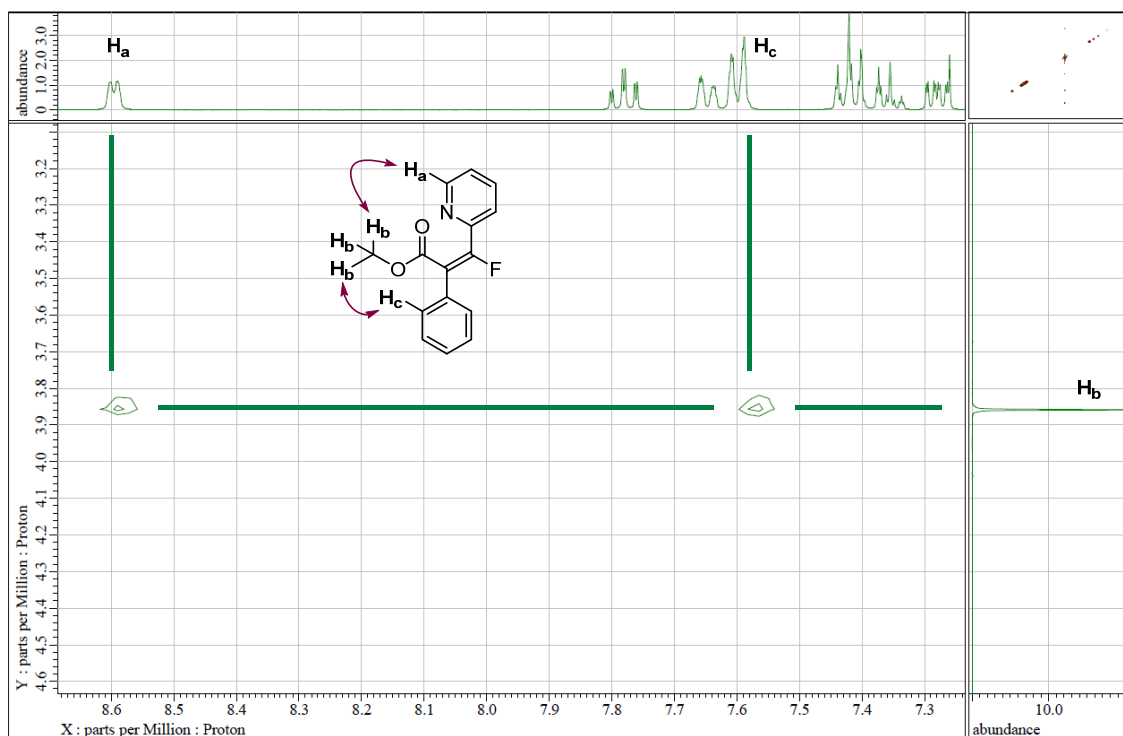
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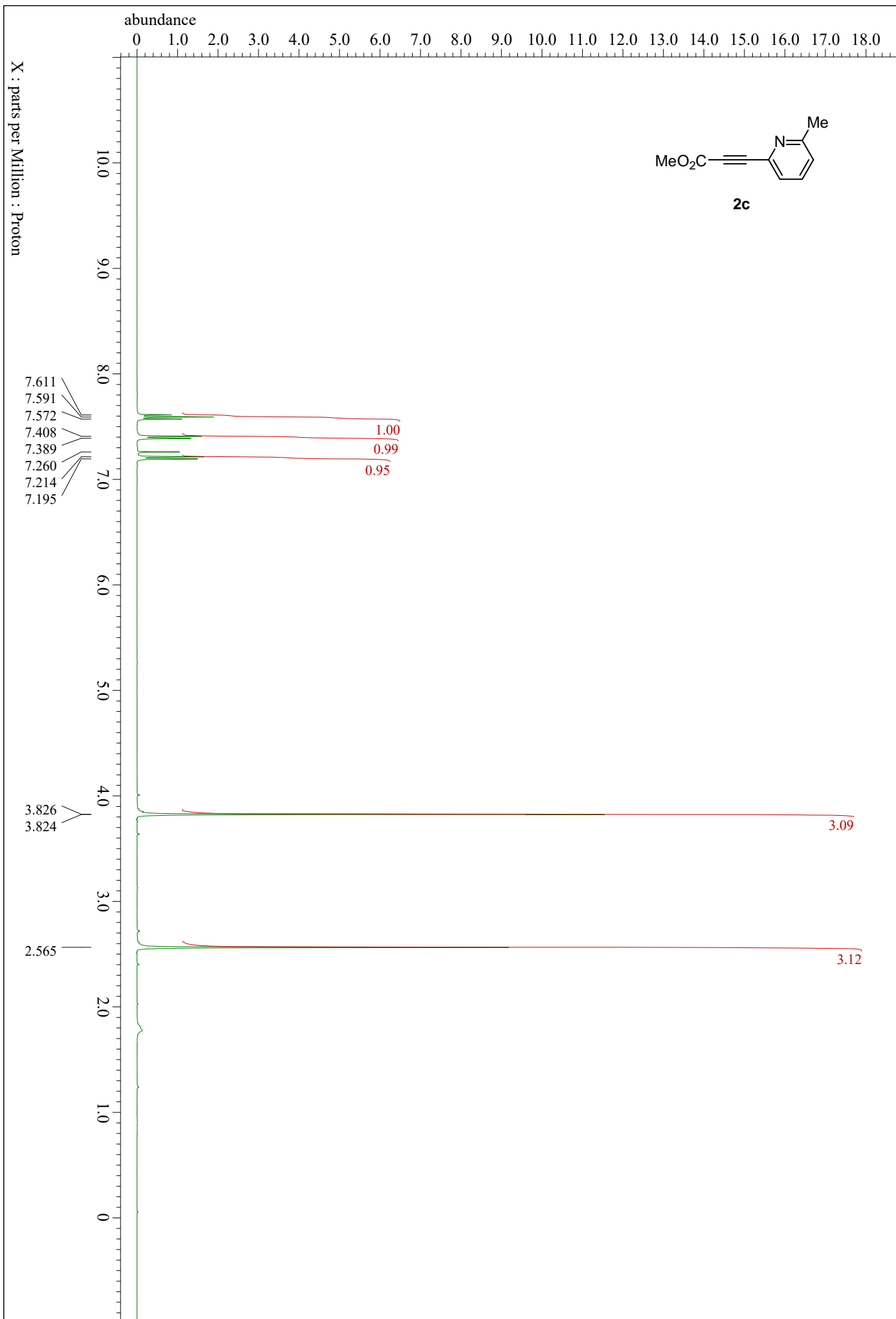
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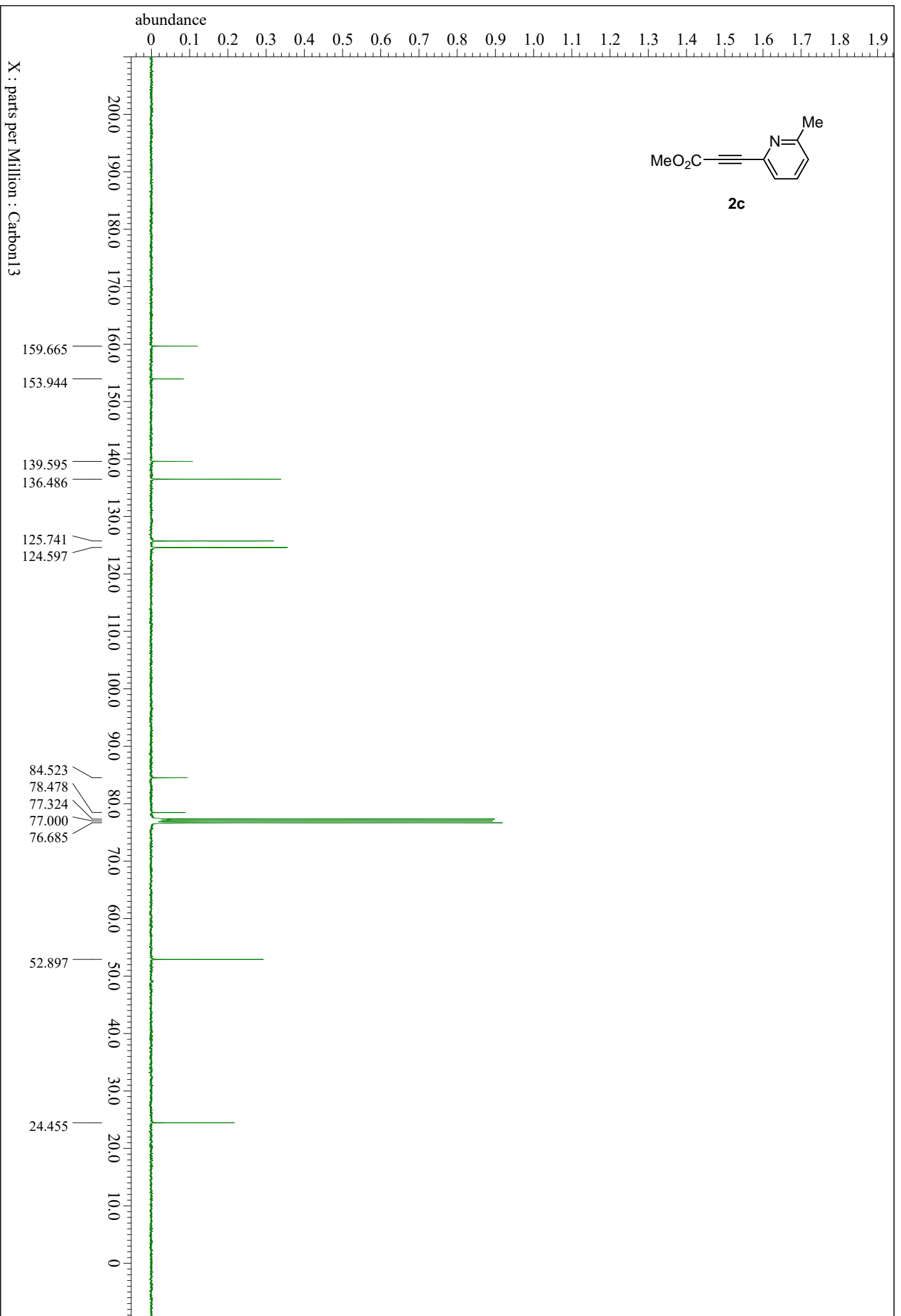
I. ¹H-¹H NOESY analysis

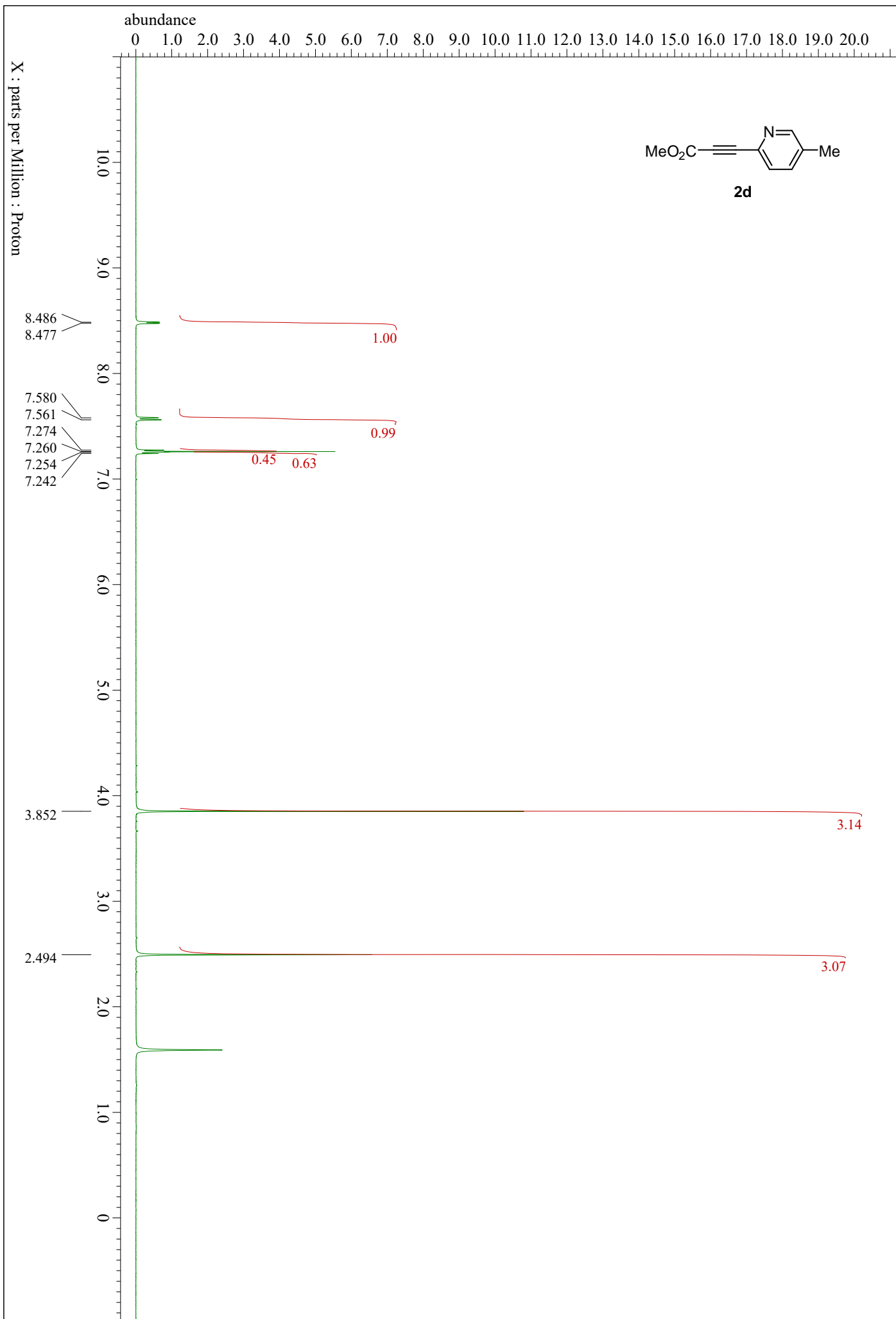
¹H-¹H NOESY NMR experiment for product **4bb** (400 MHz spectrometer in CDCl₃).

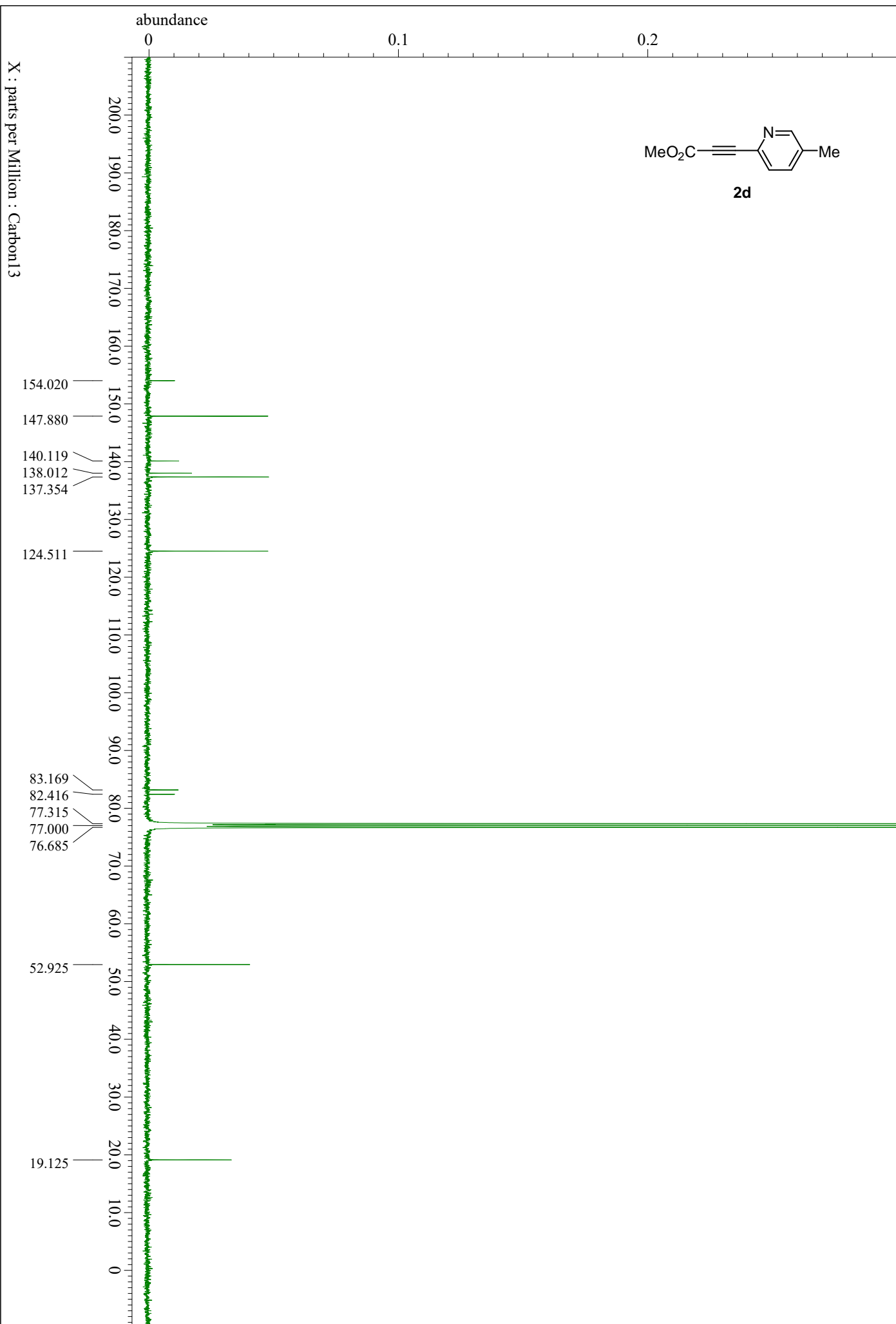


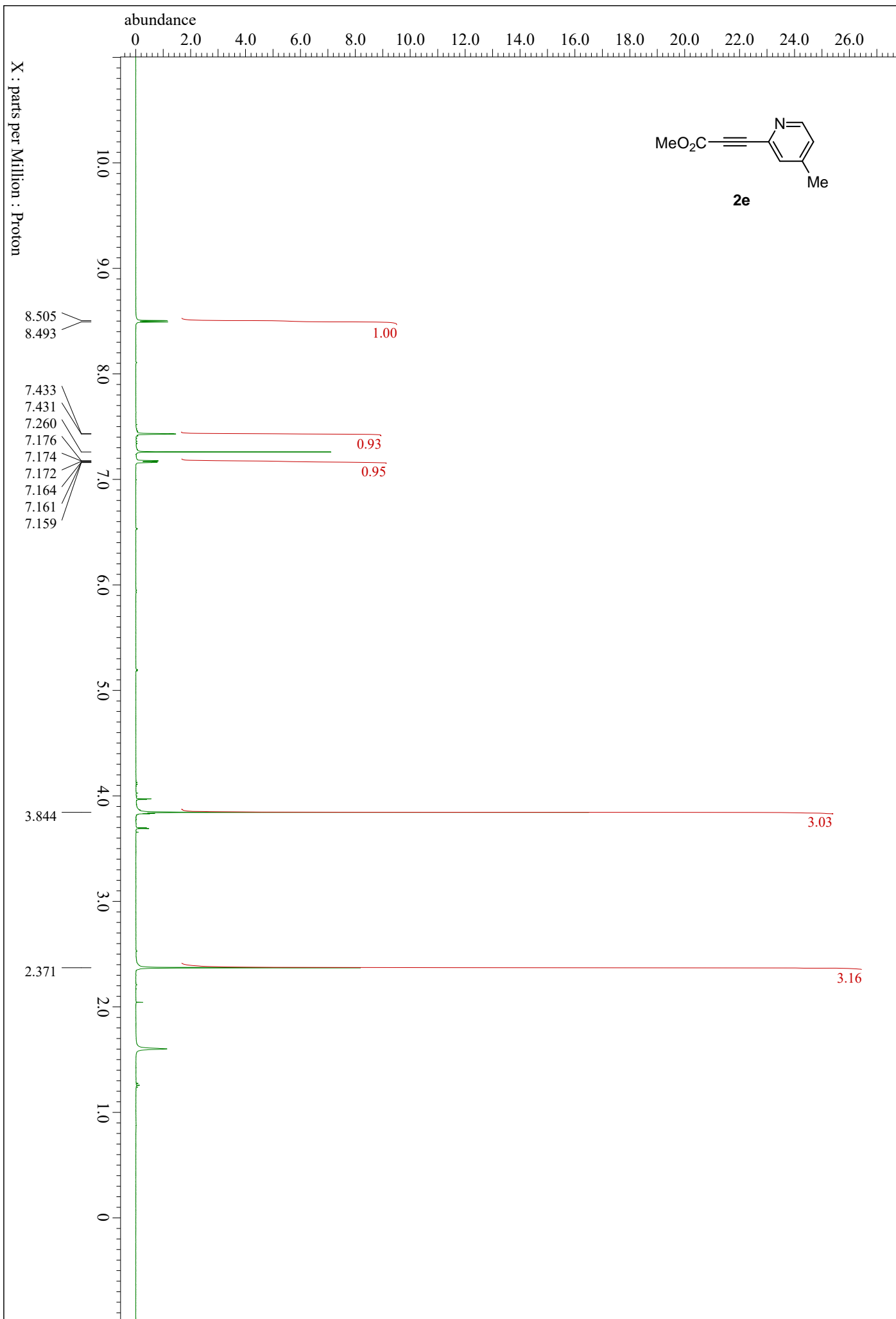
II. Copies of NMR Spectra

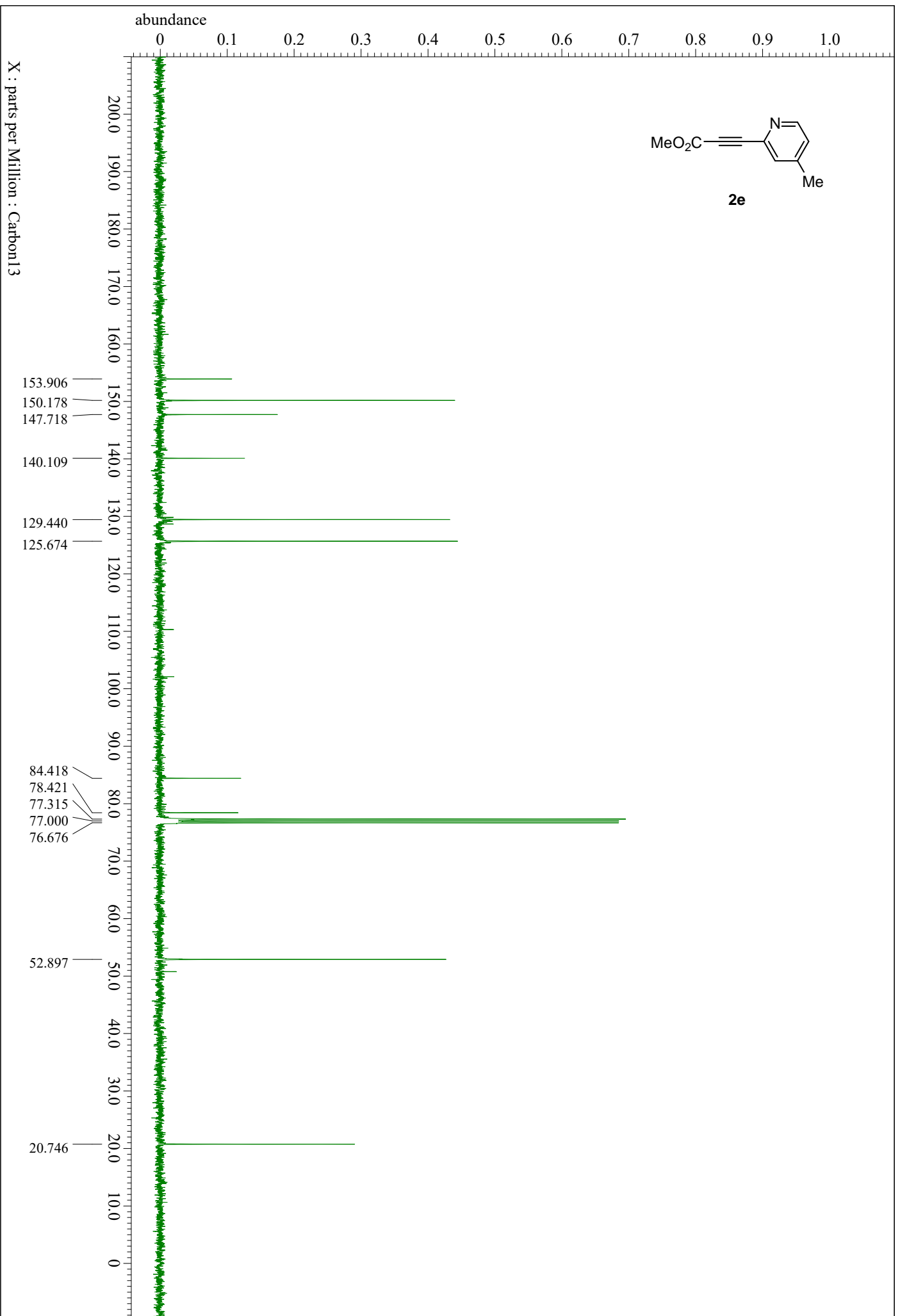


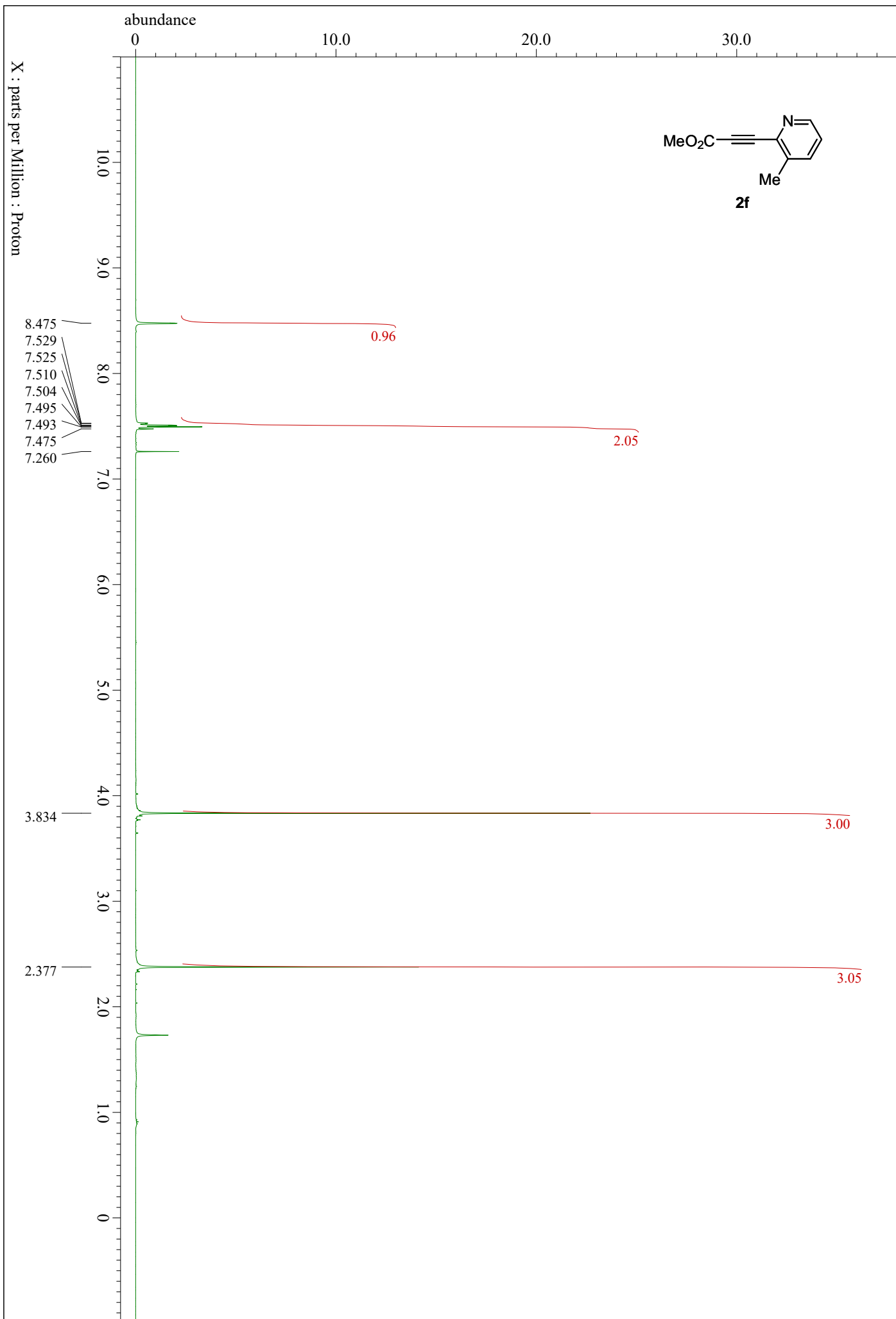


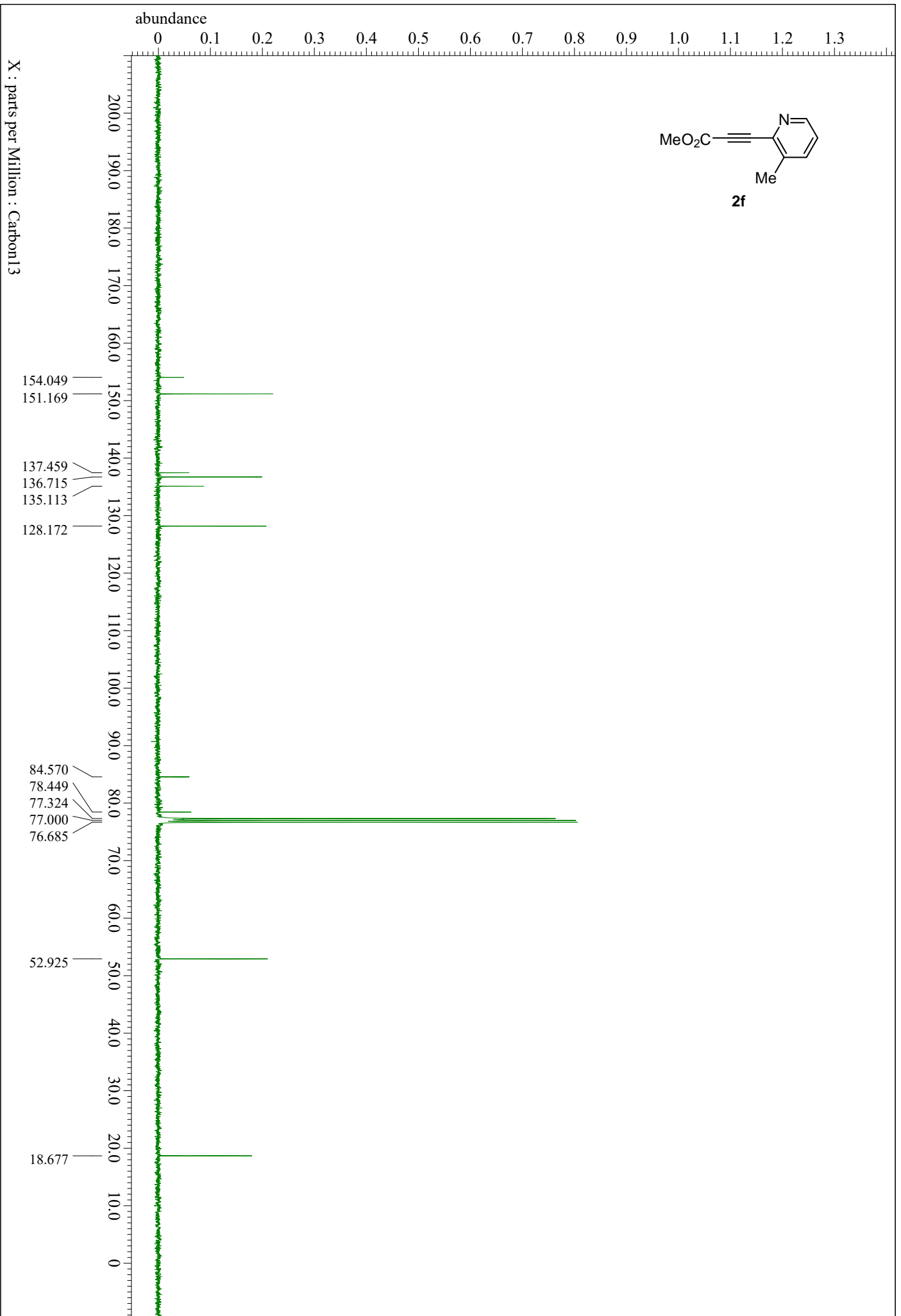


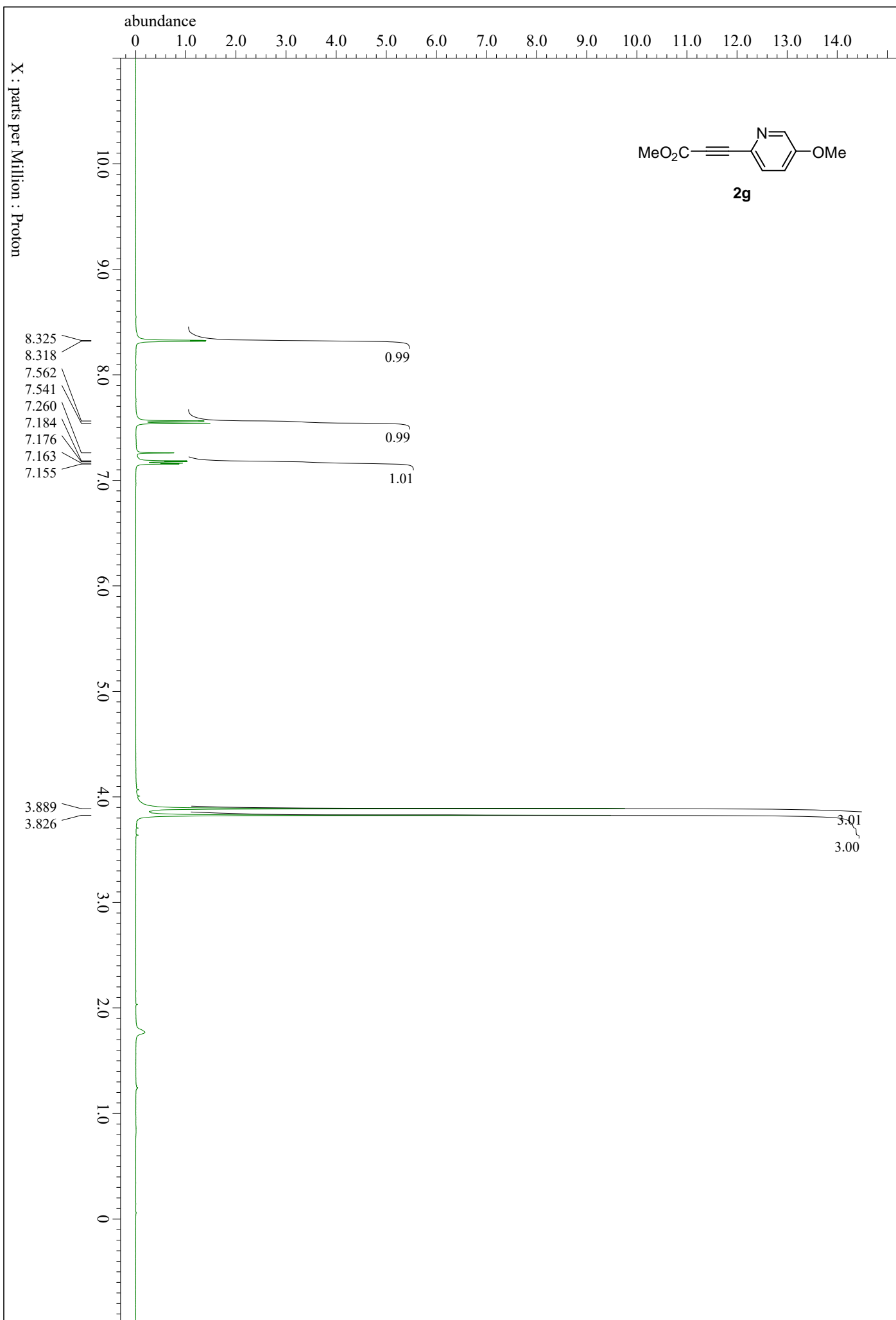


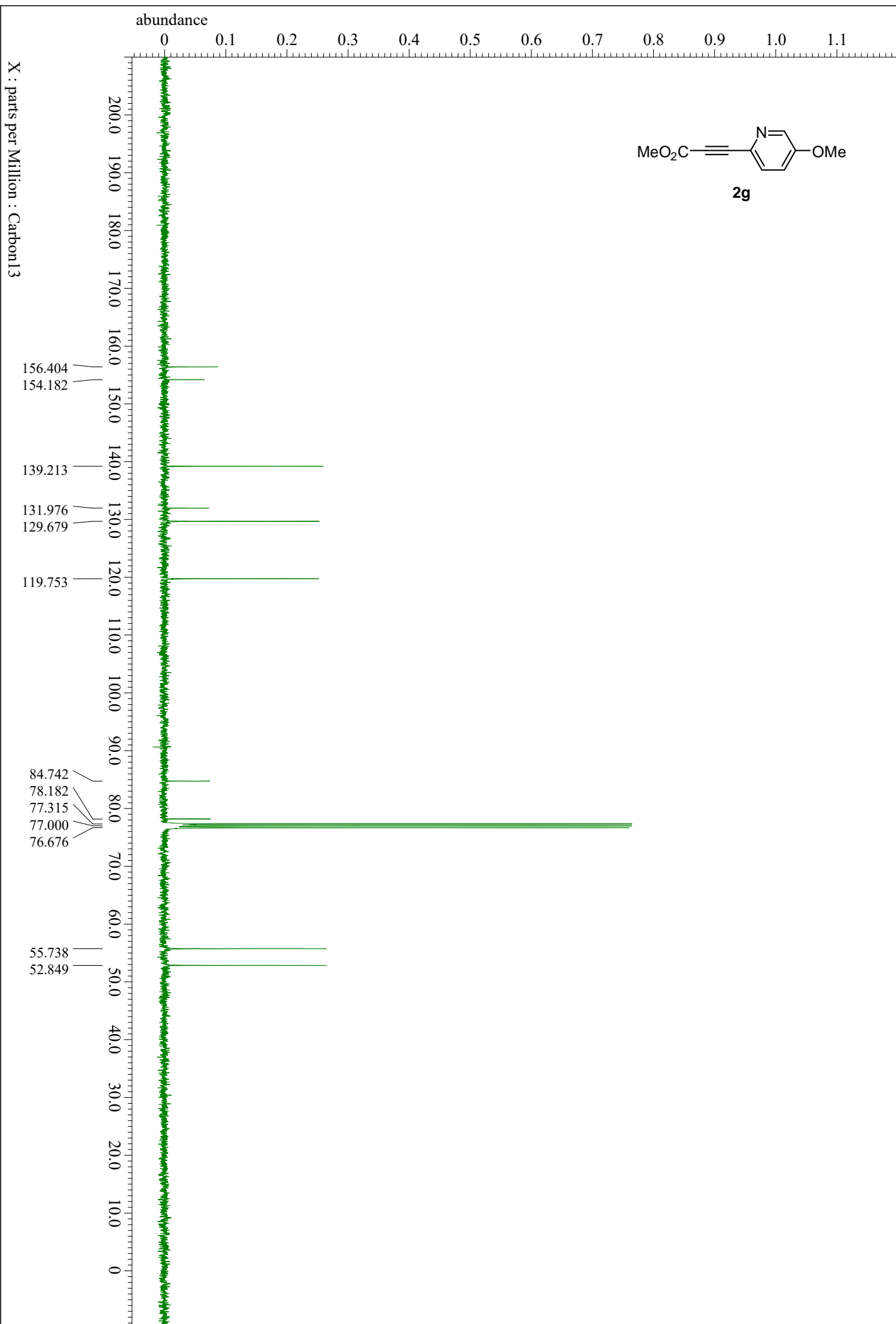


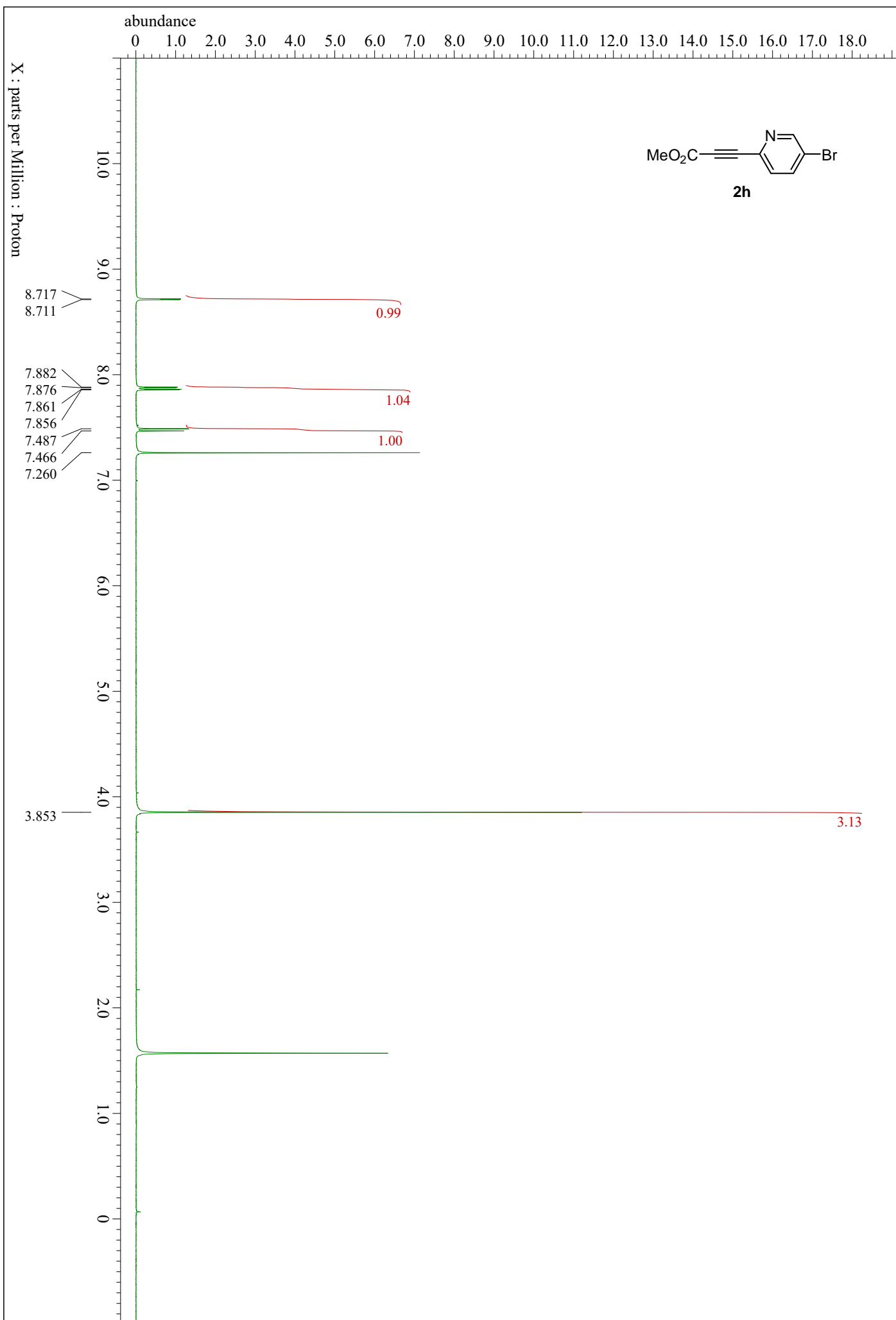


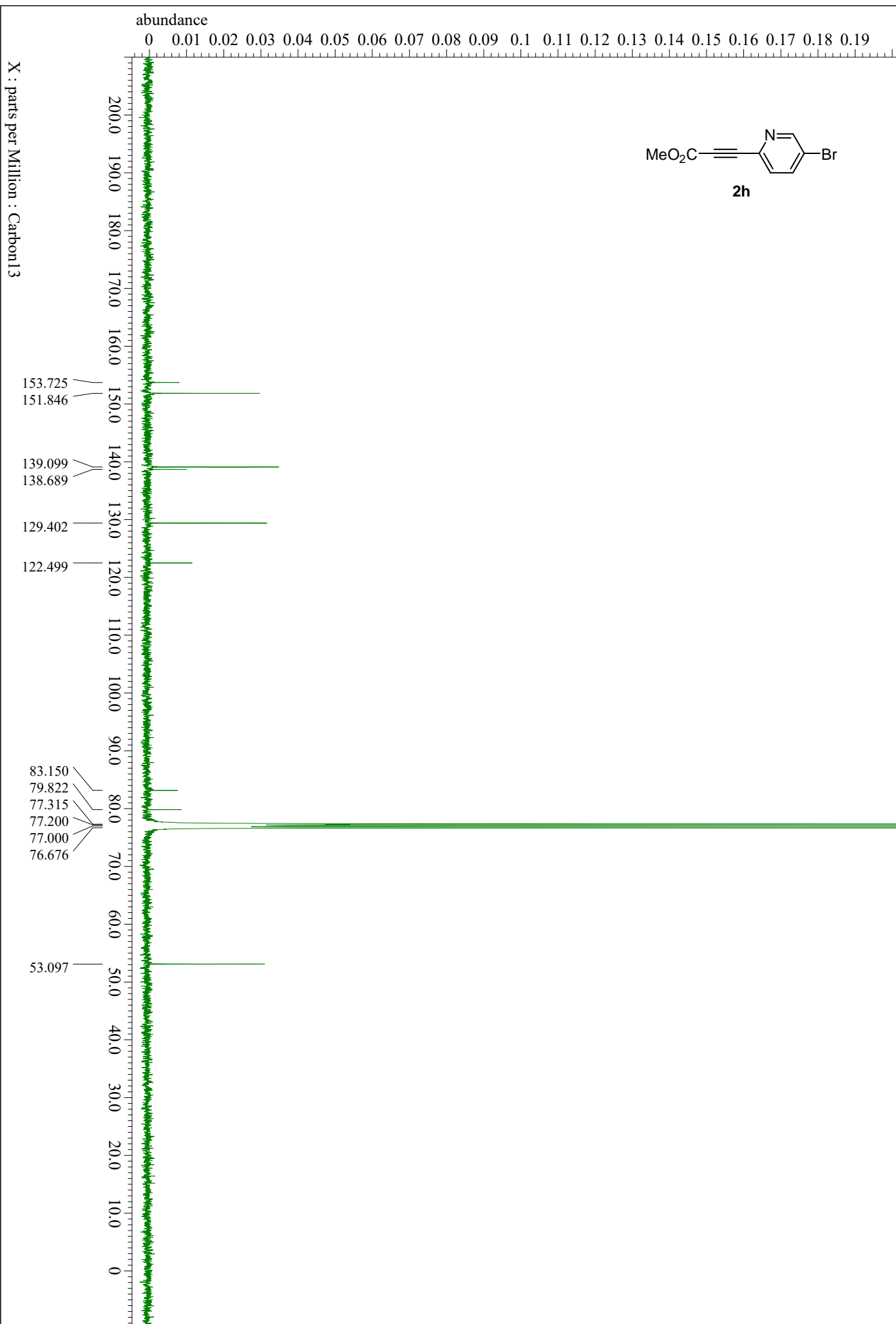


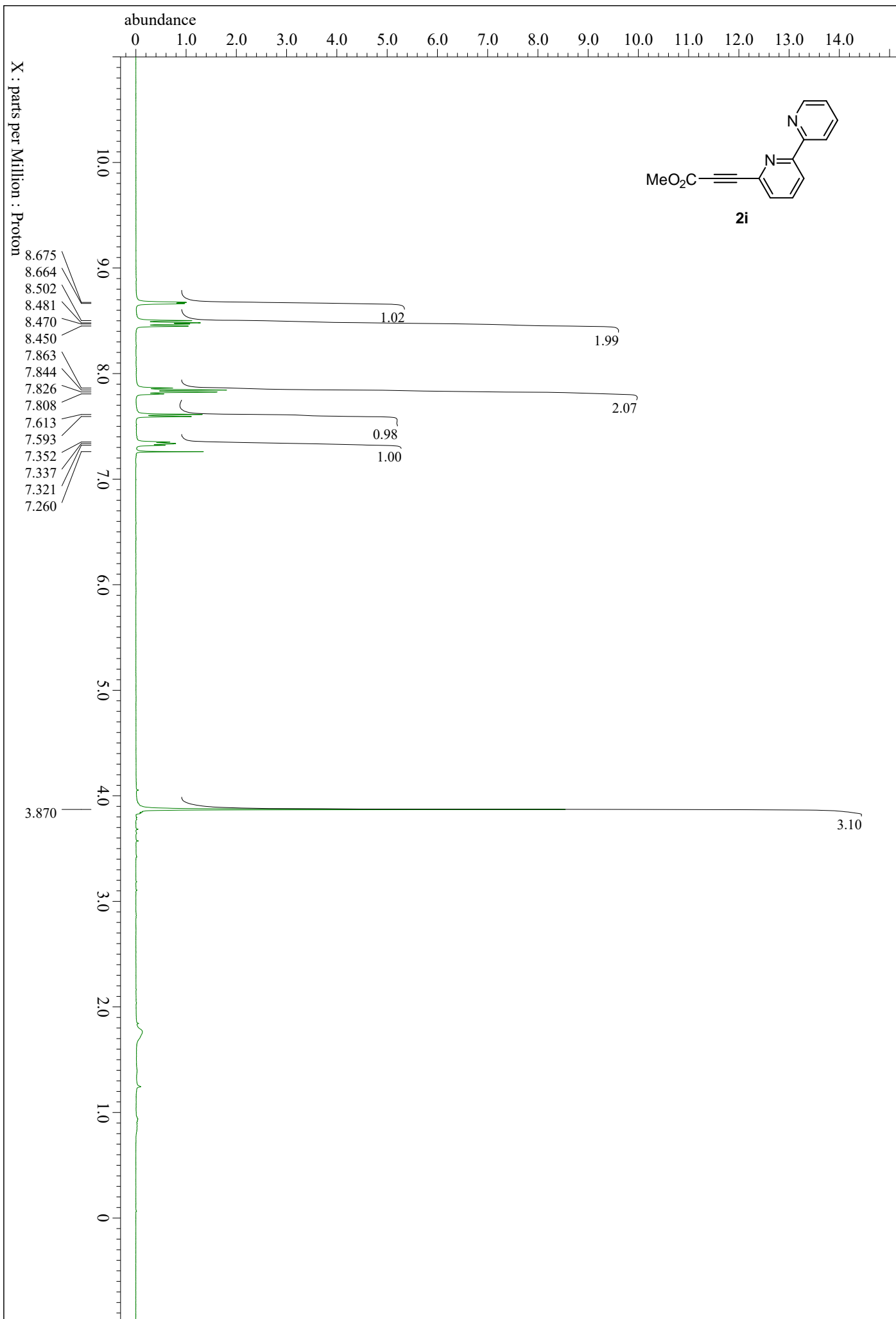


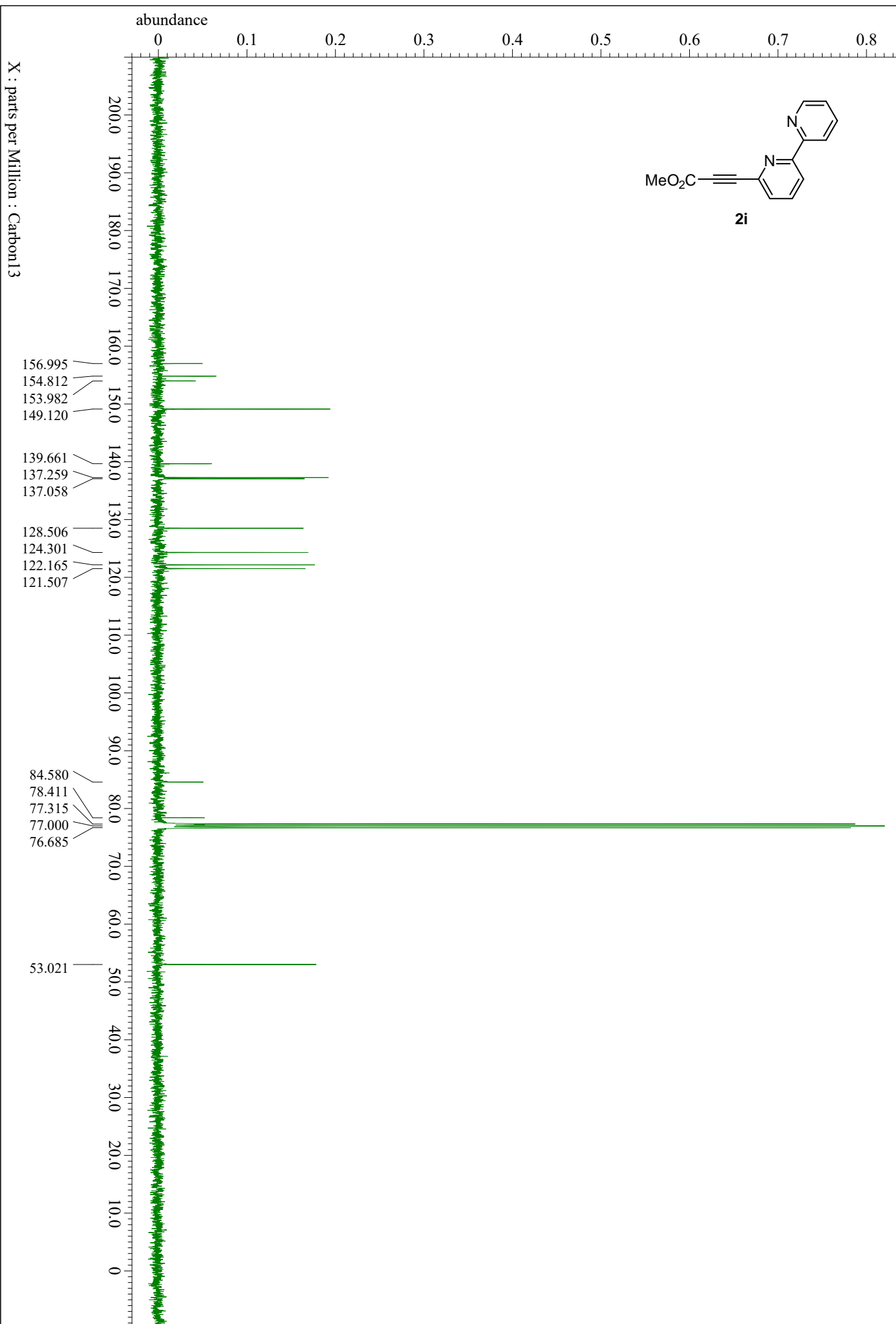


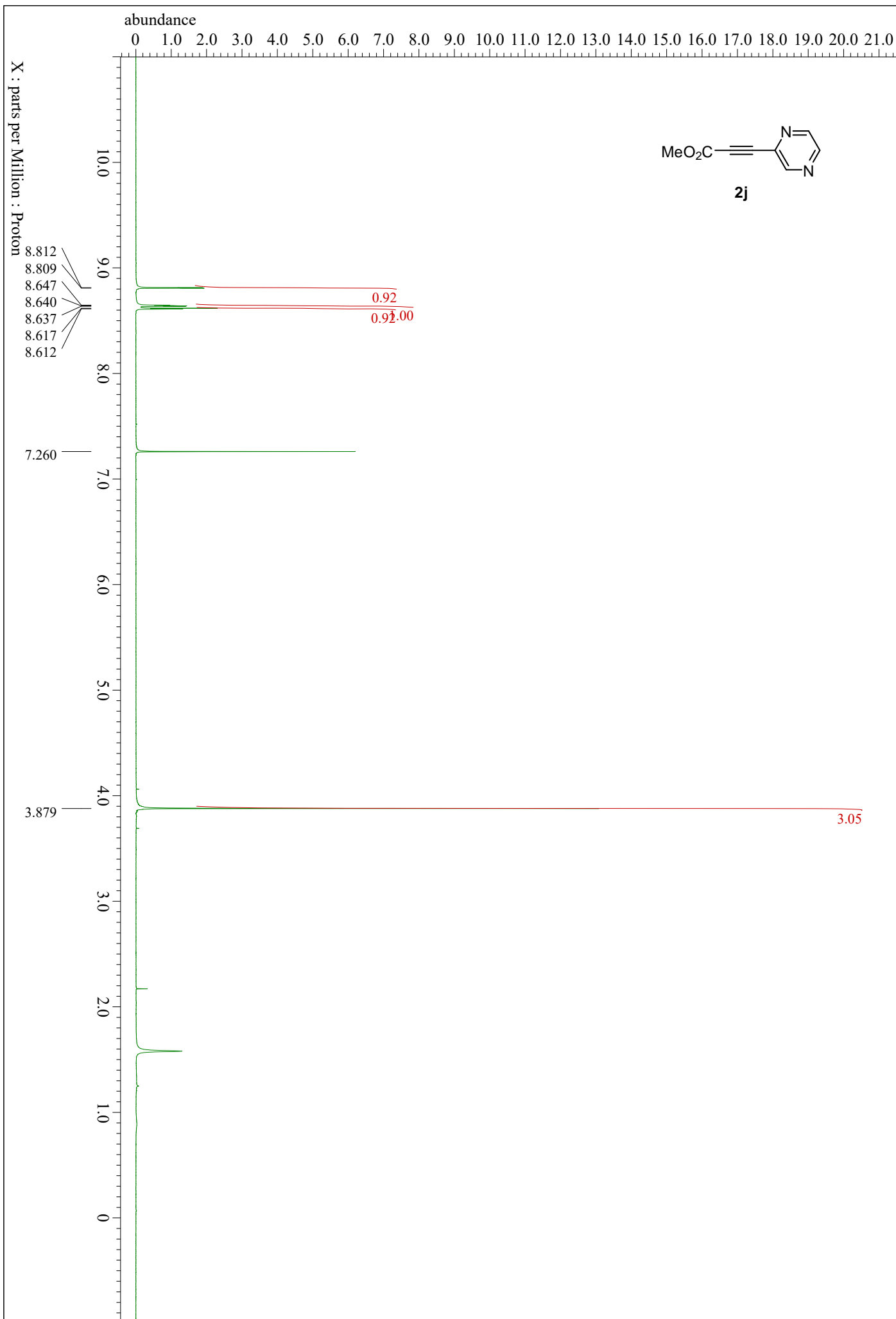


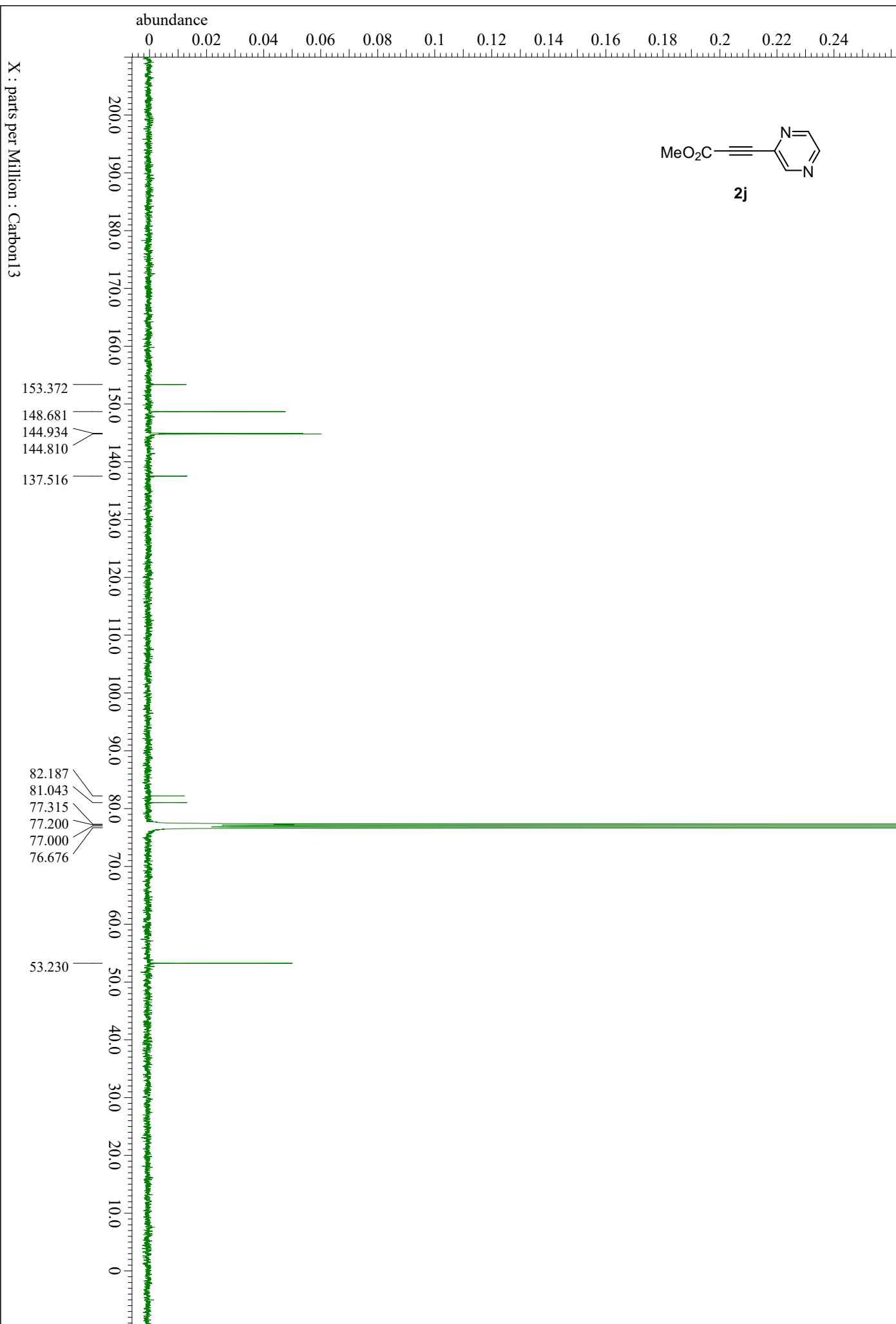


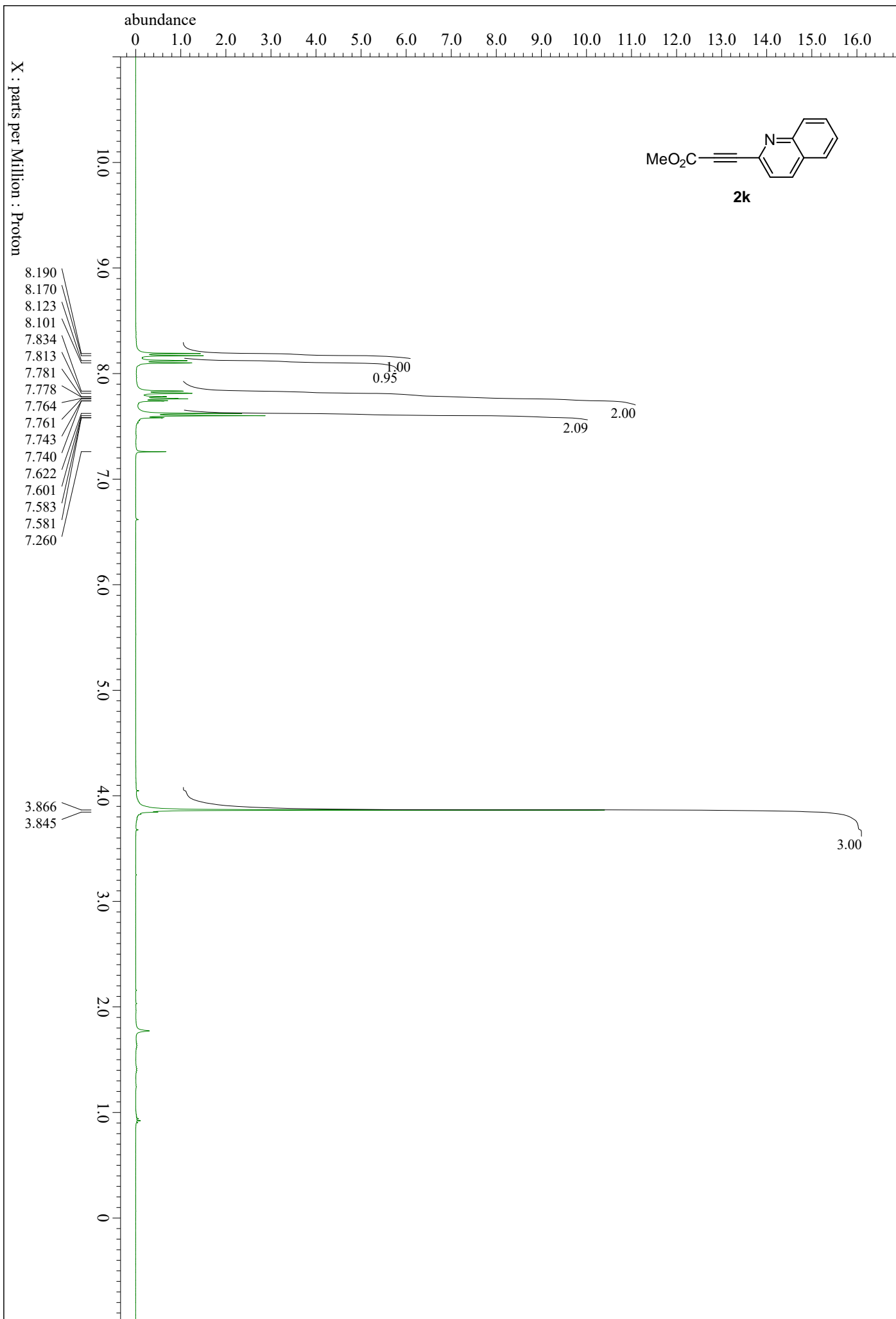


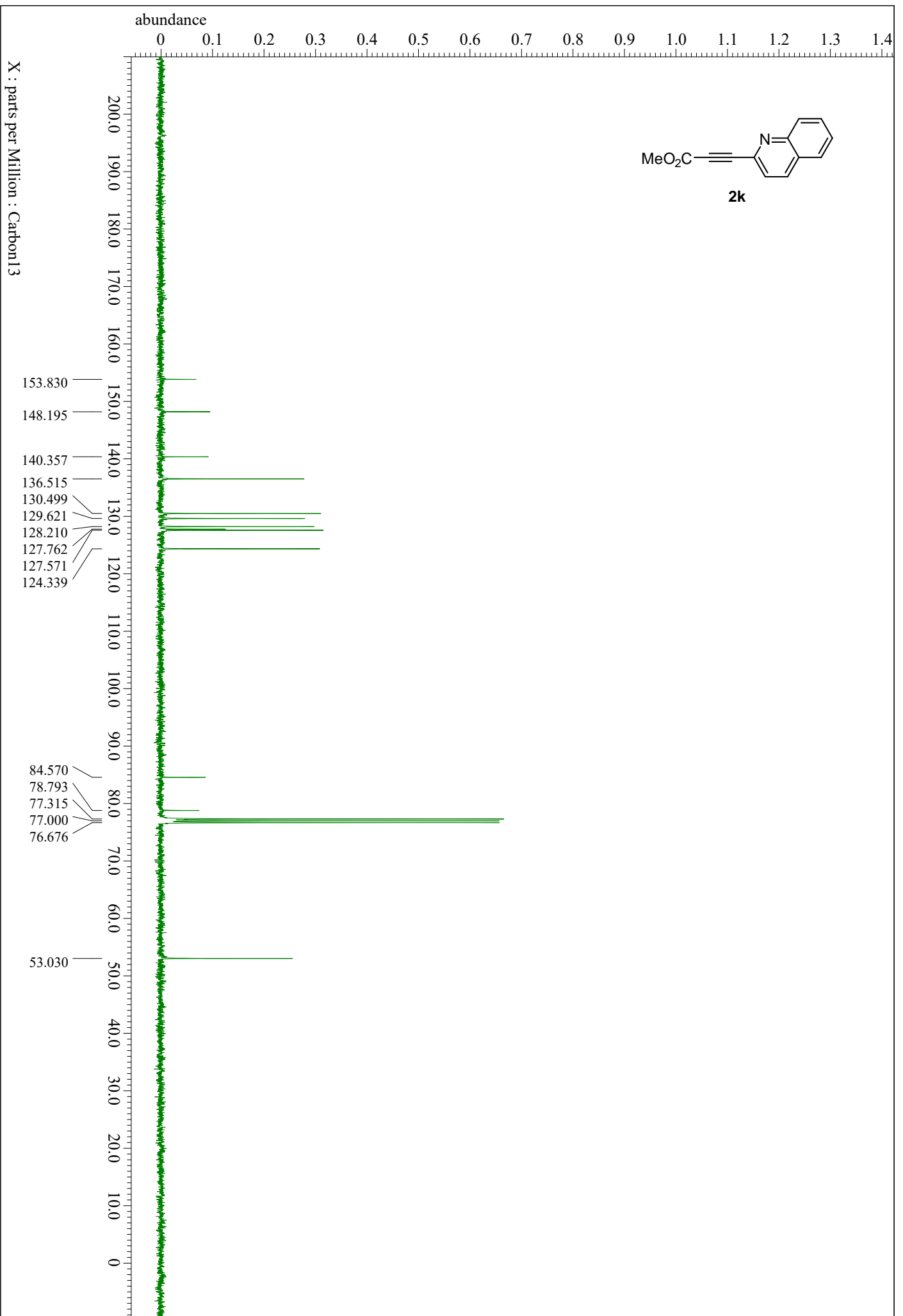


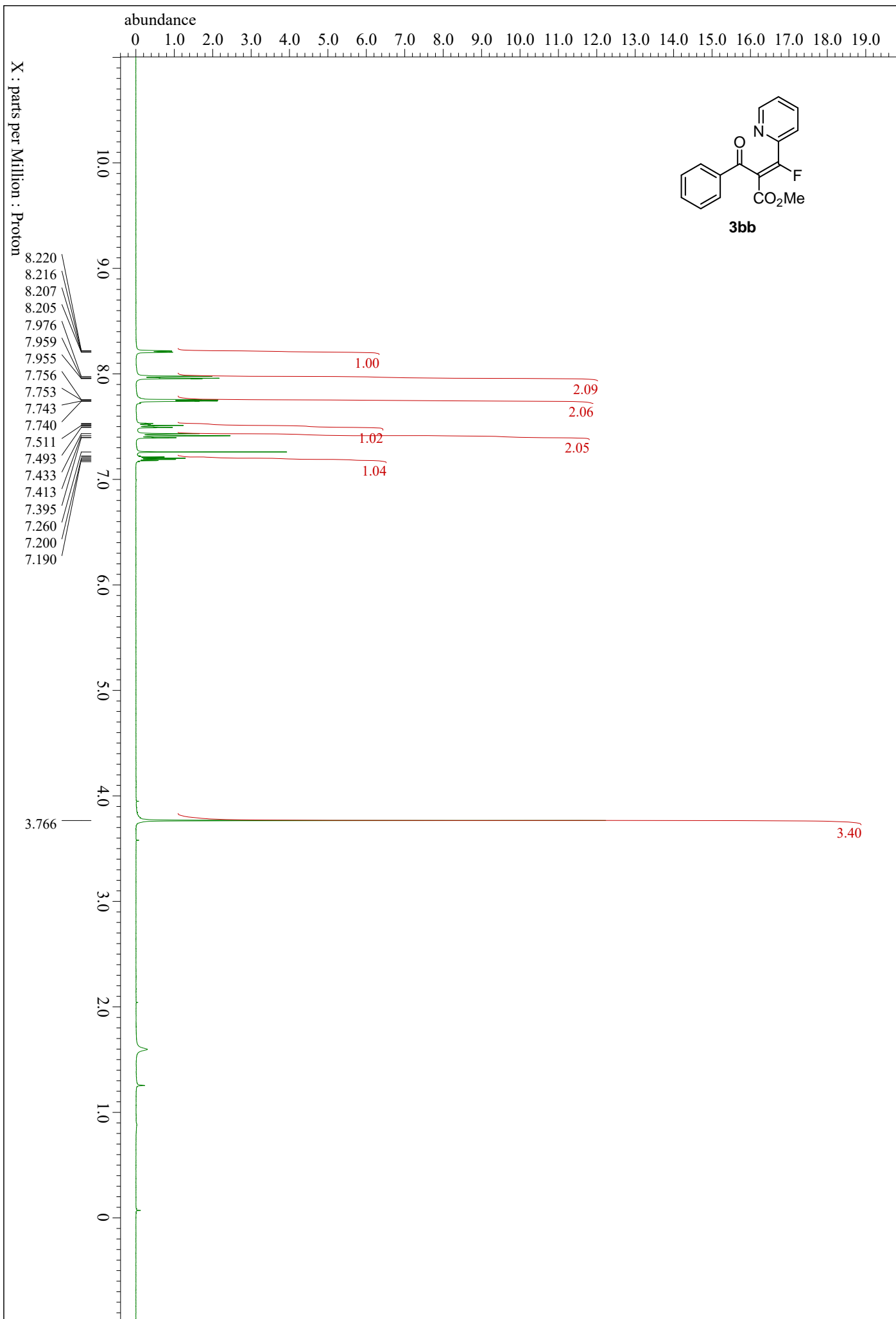


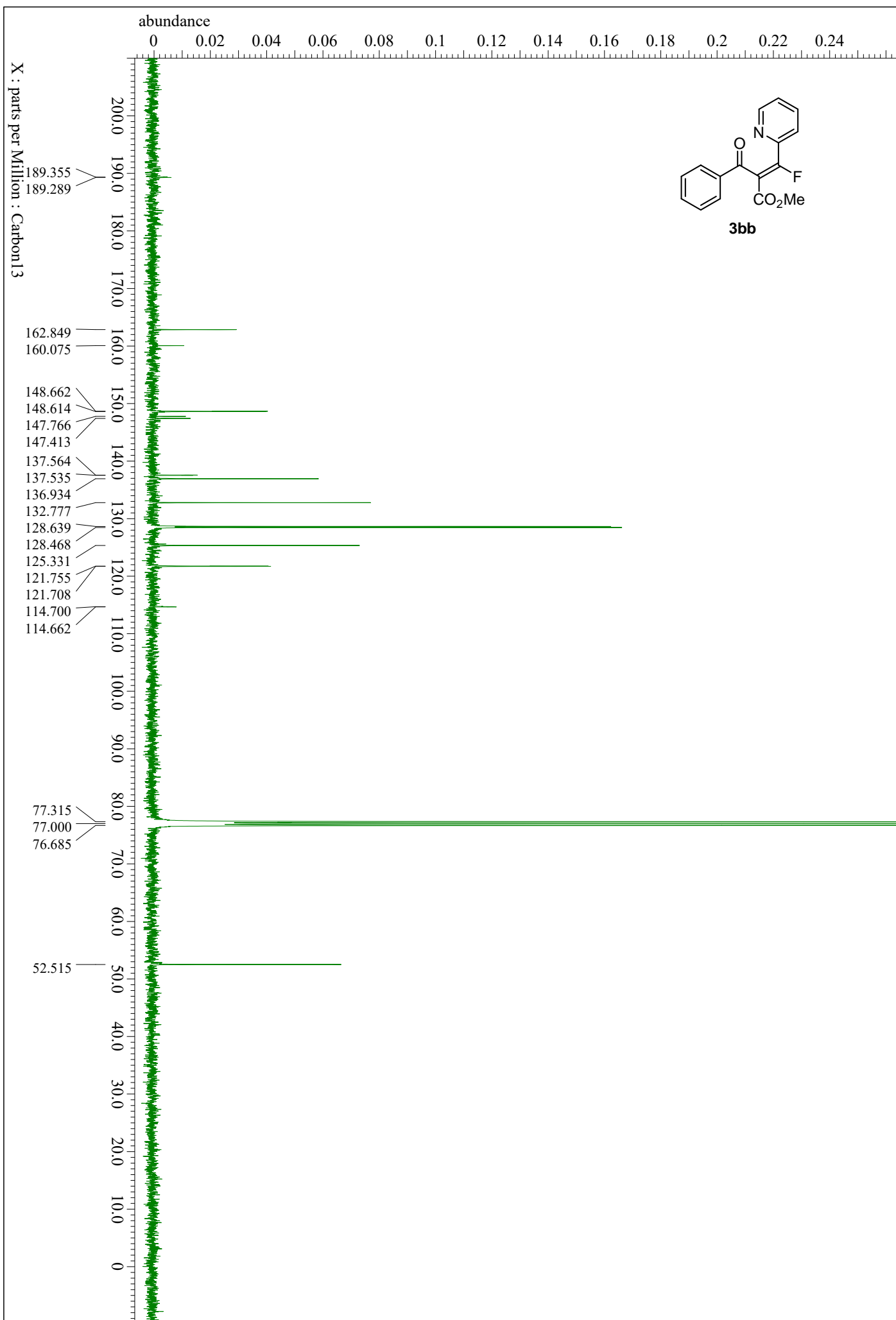


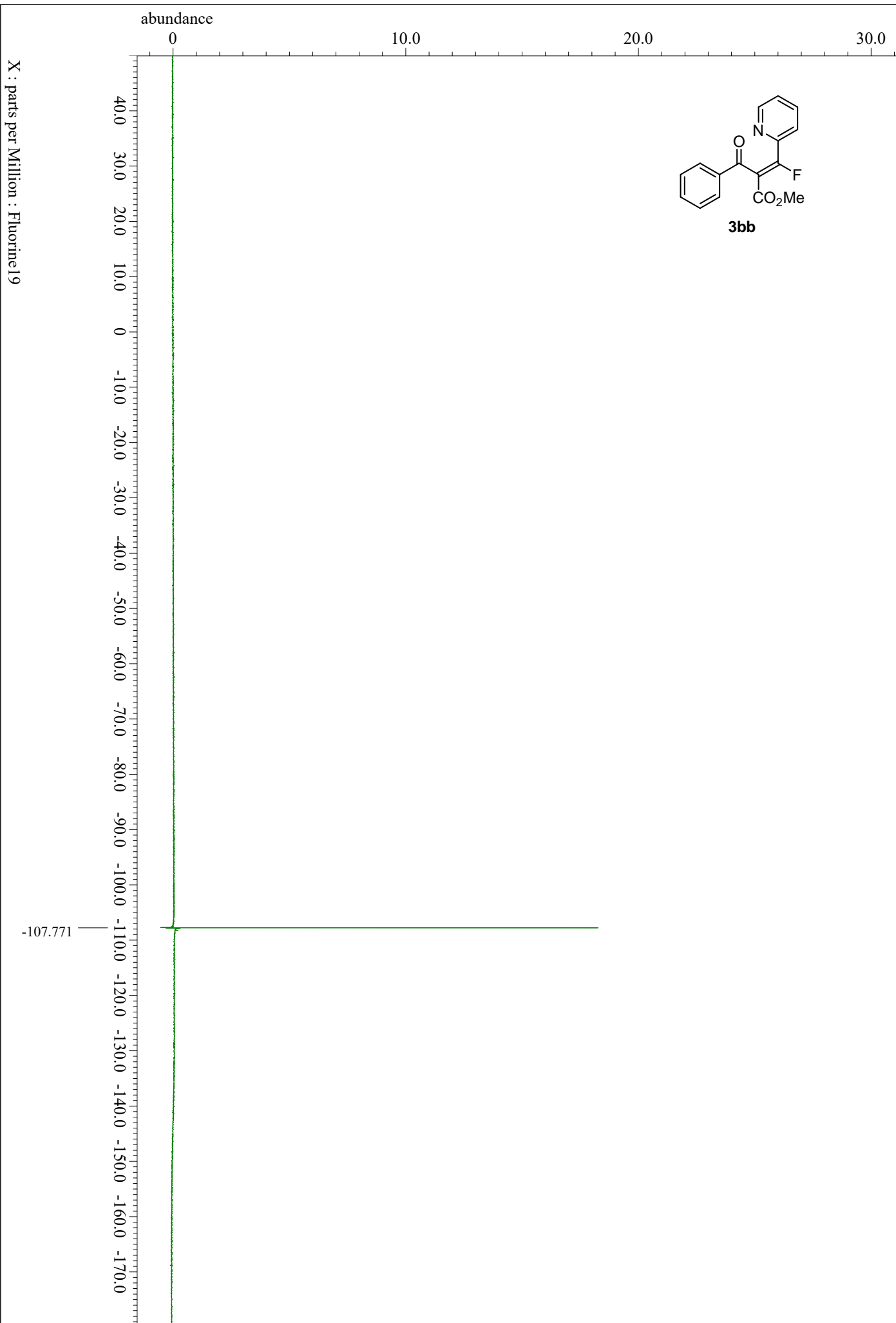


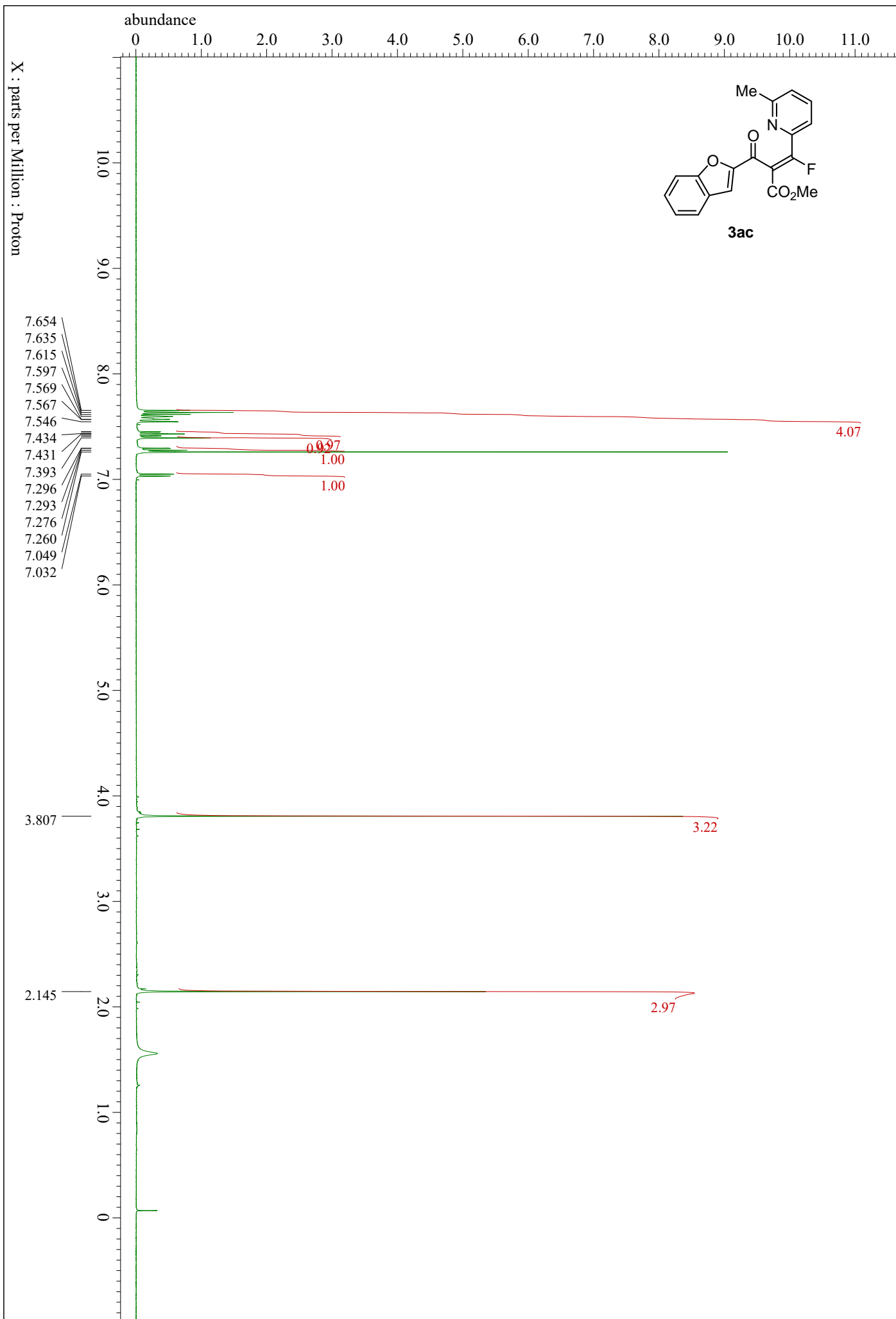


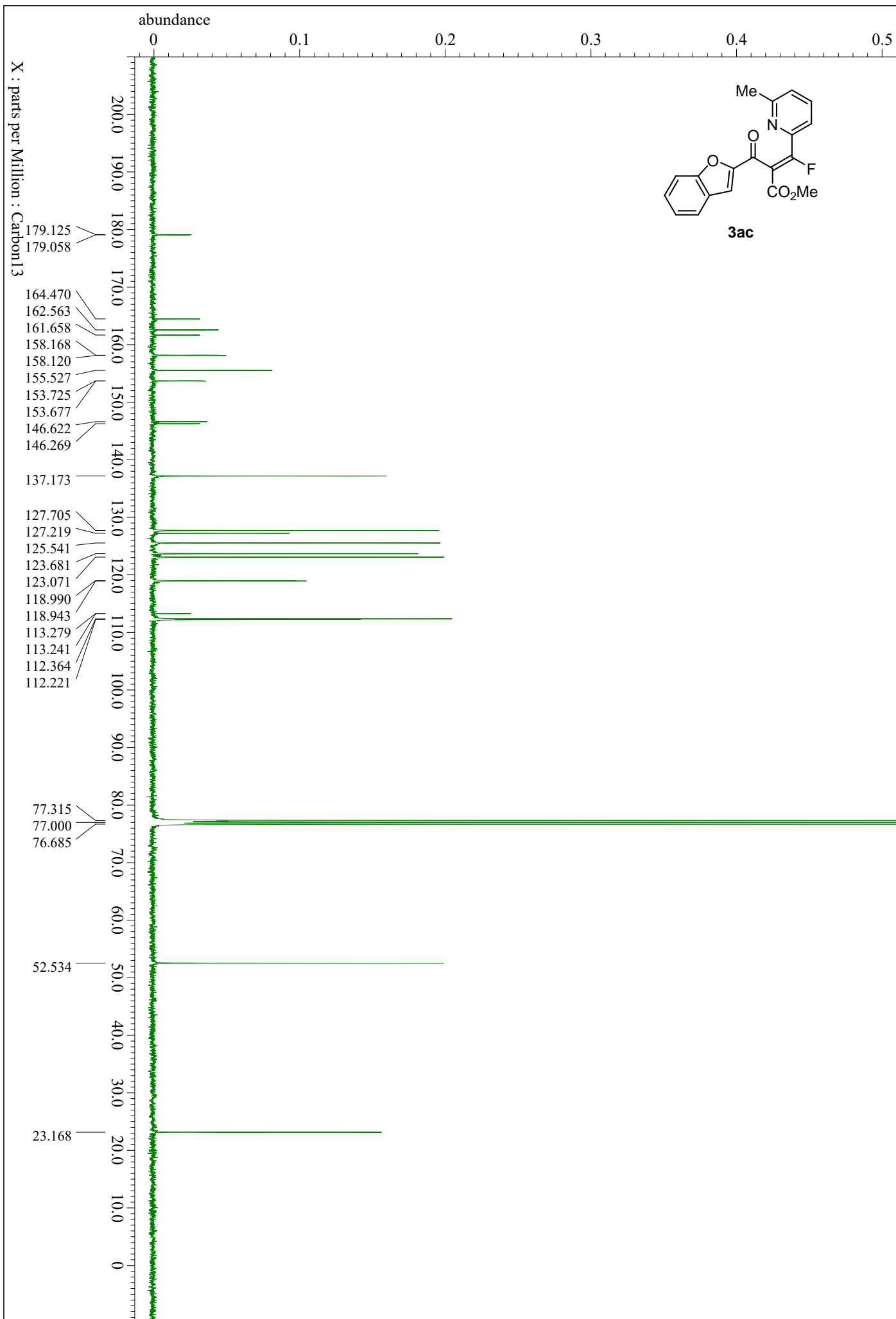


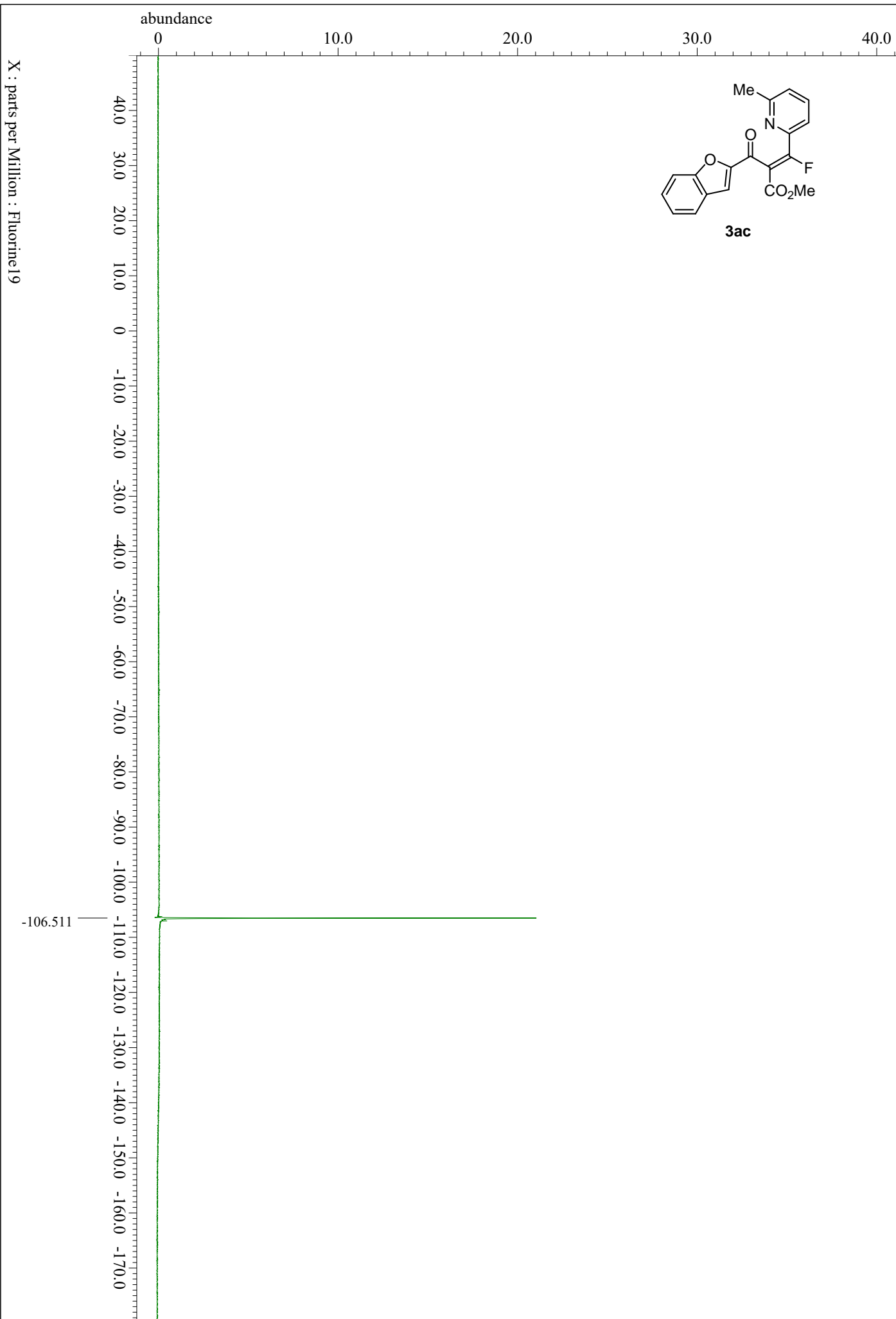


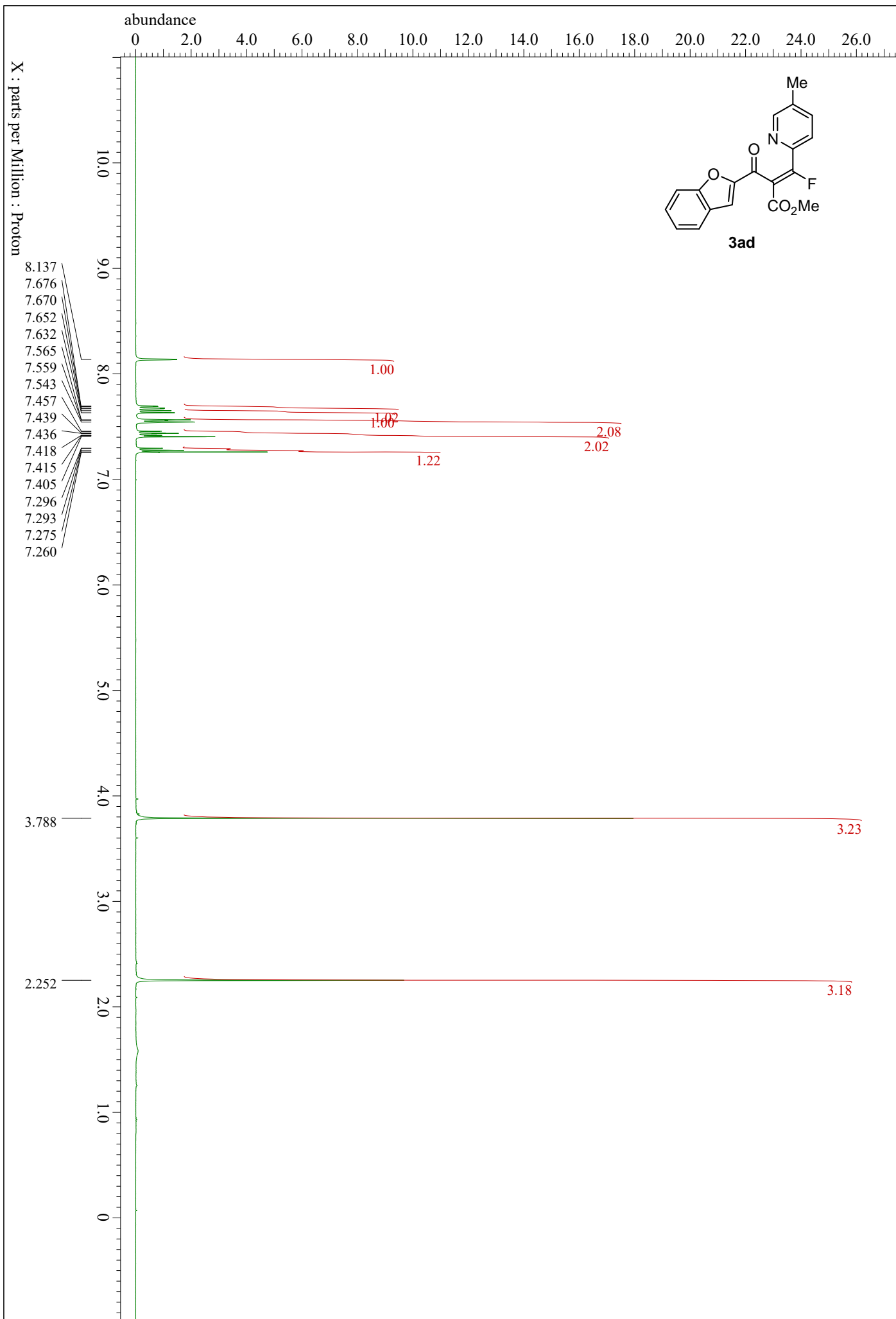


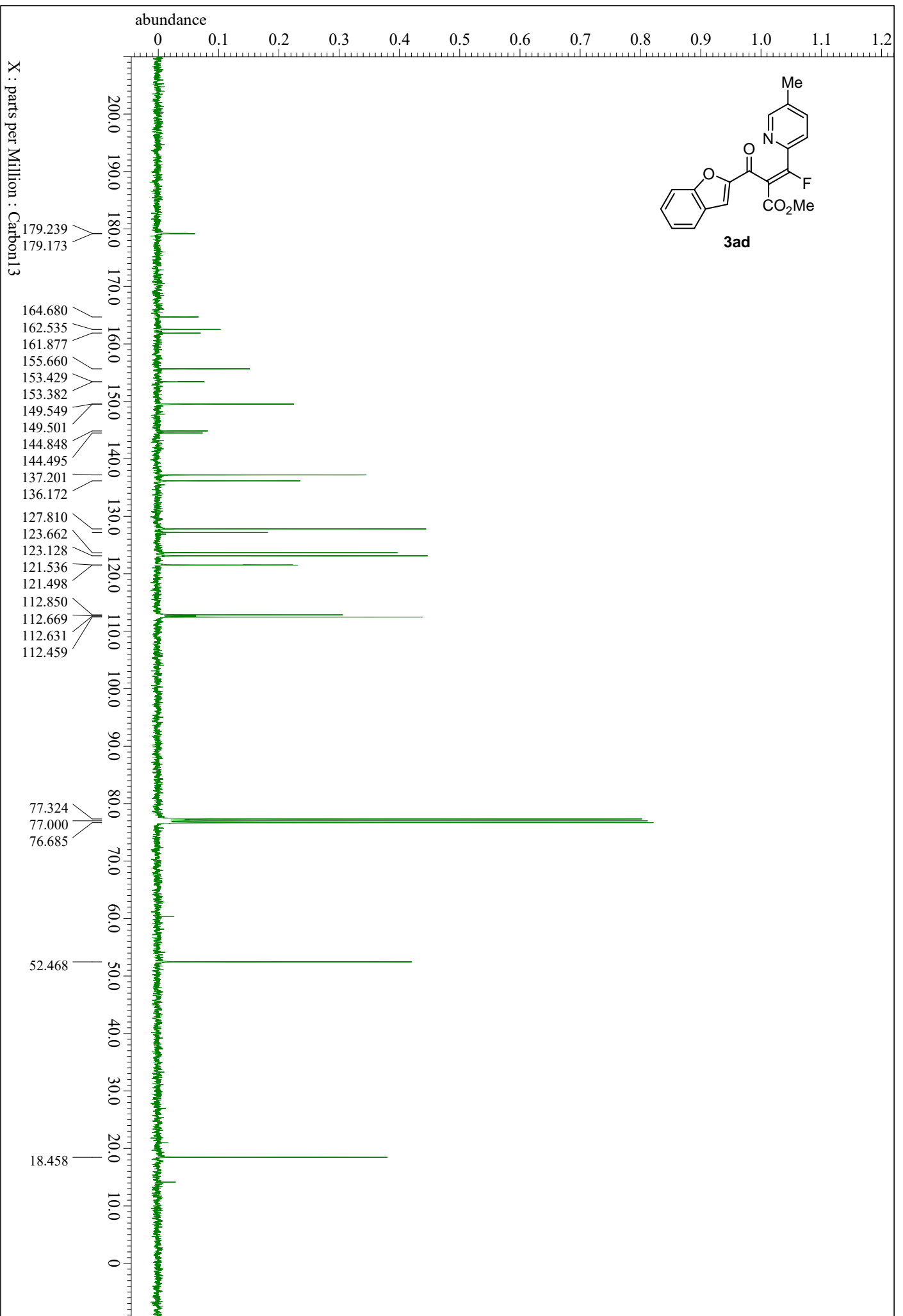




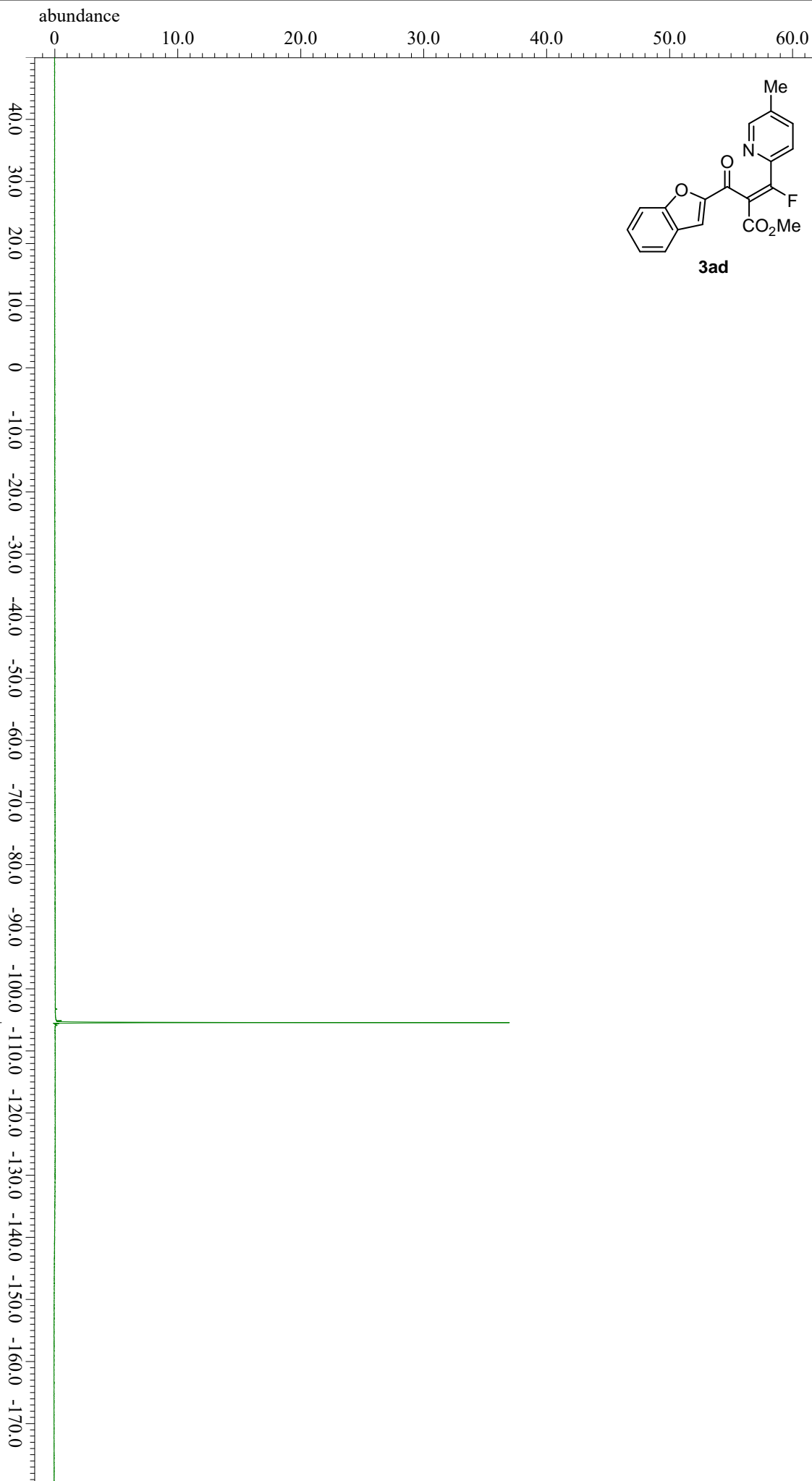


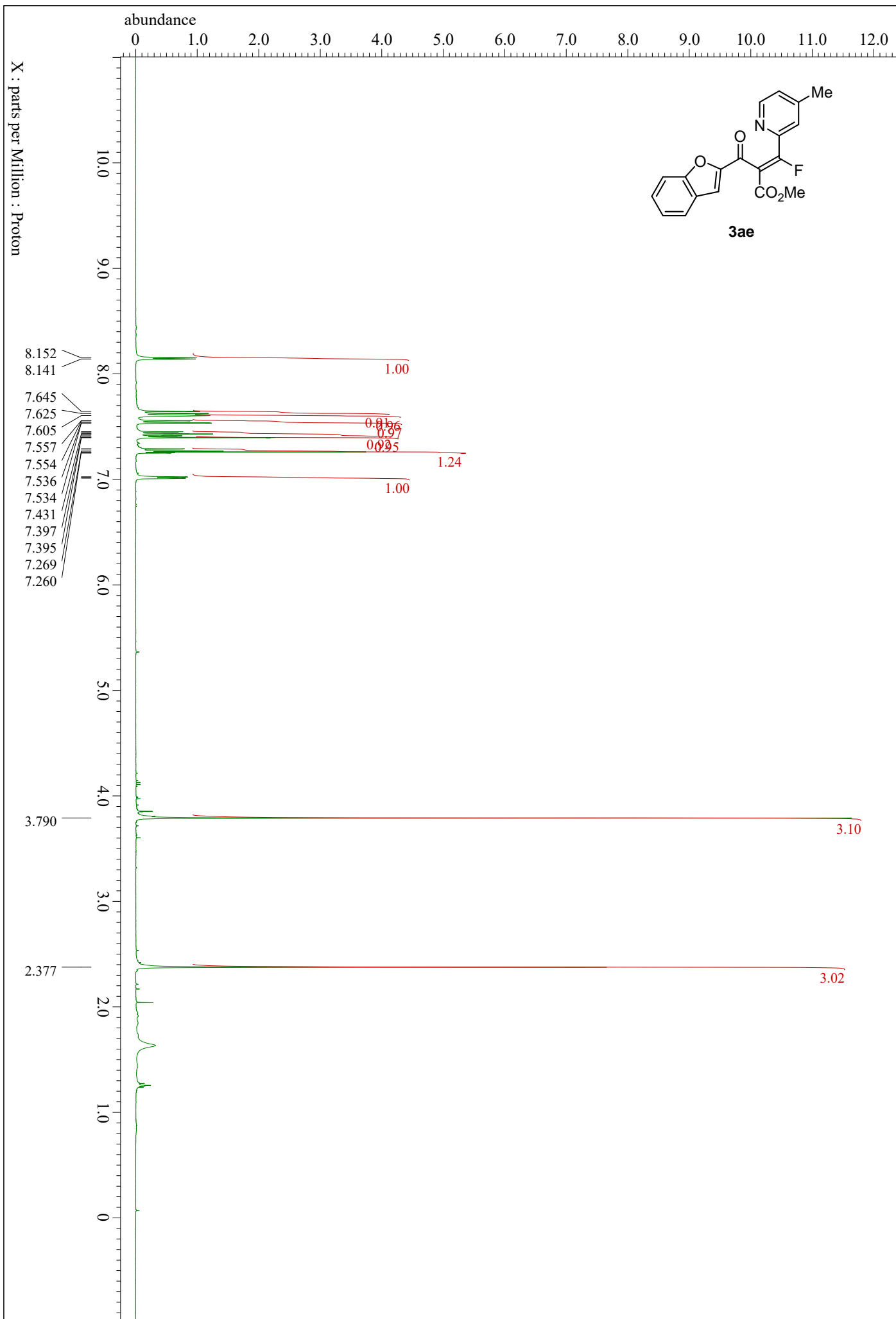


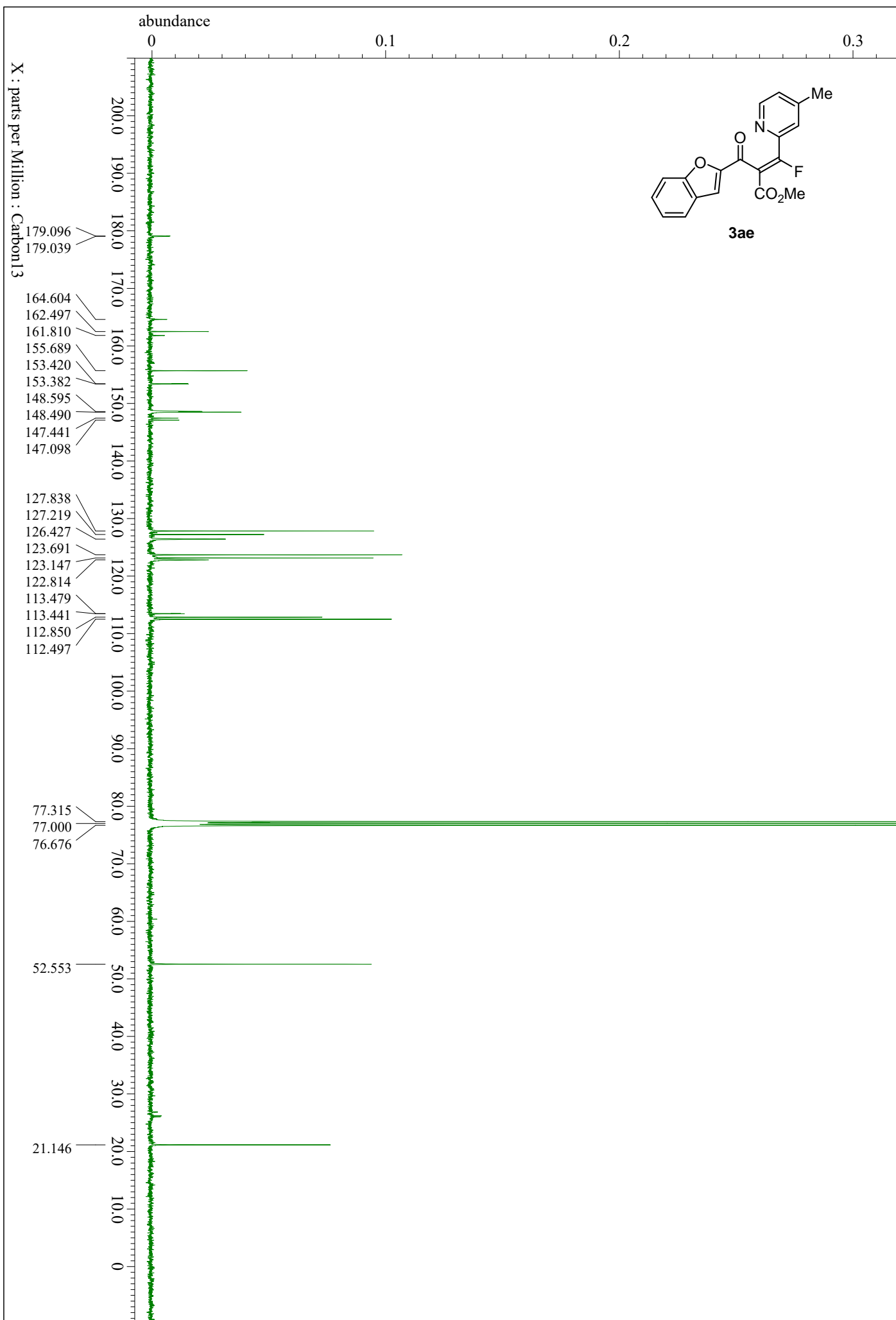


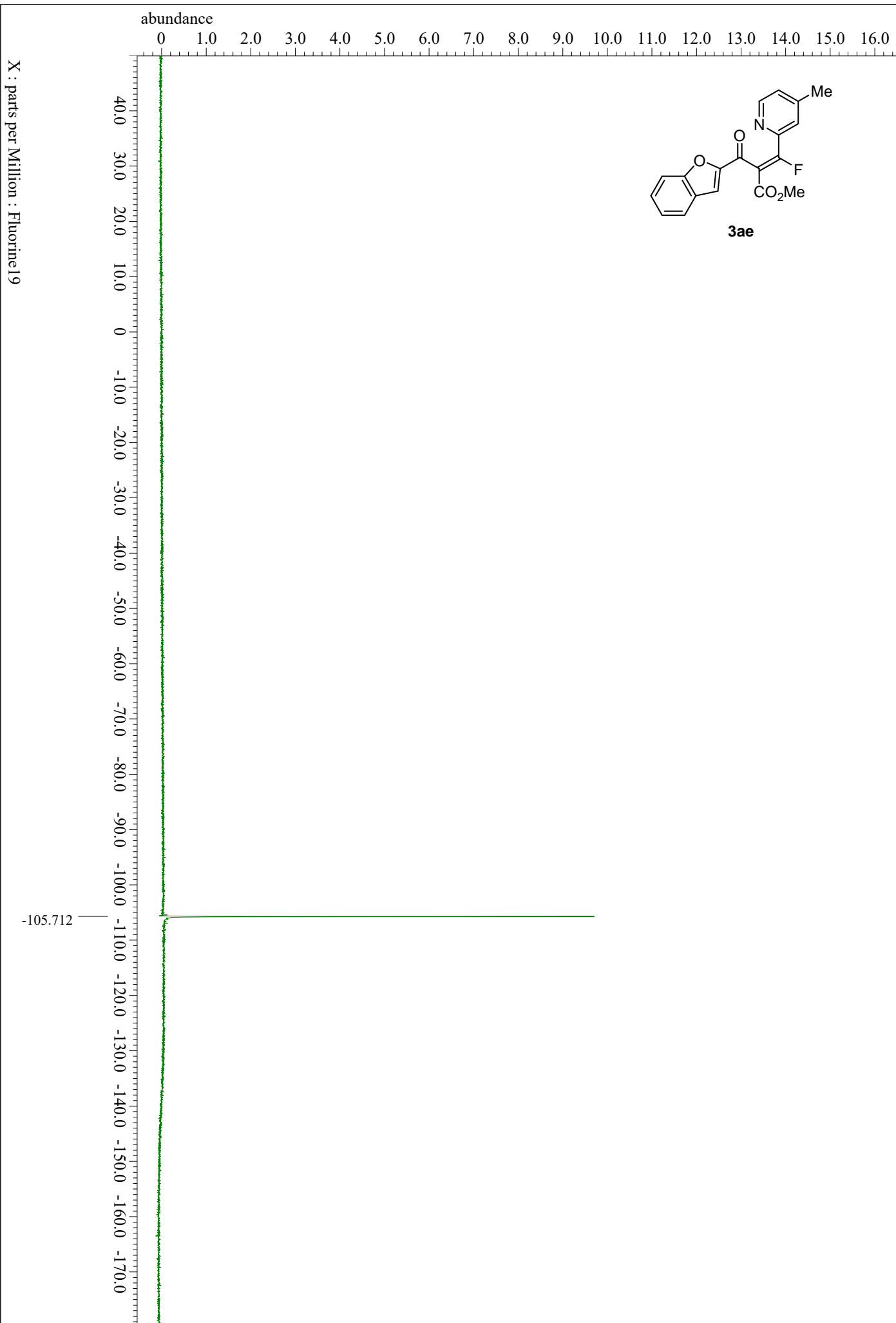


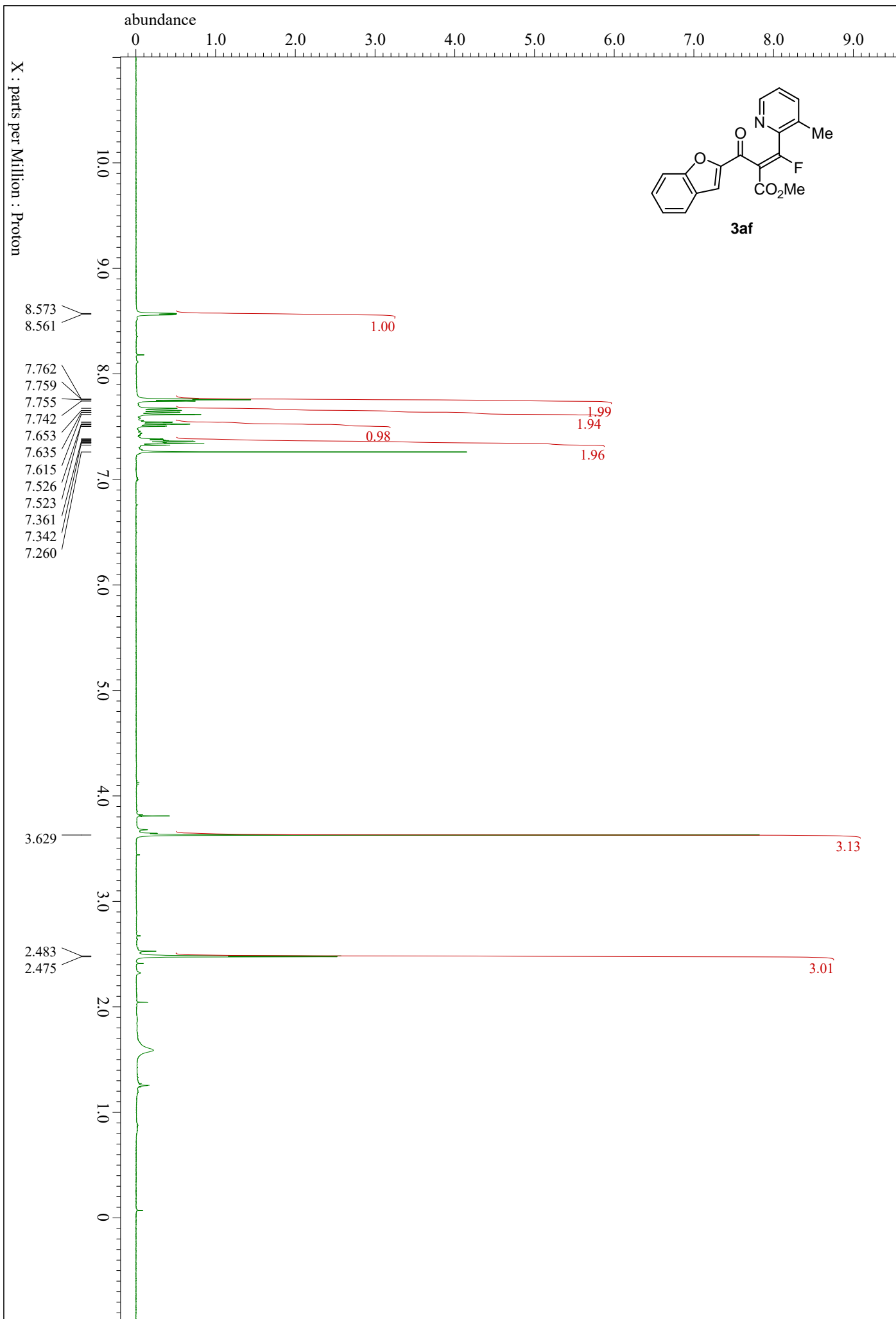
X : parts per Million : Fluorine 19

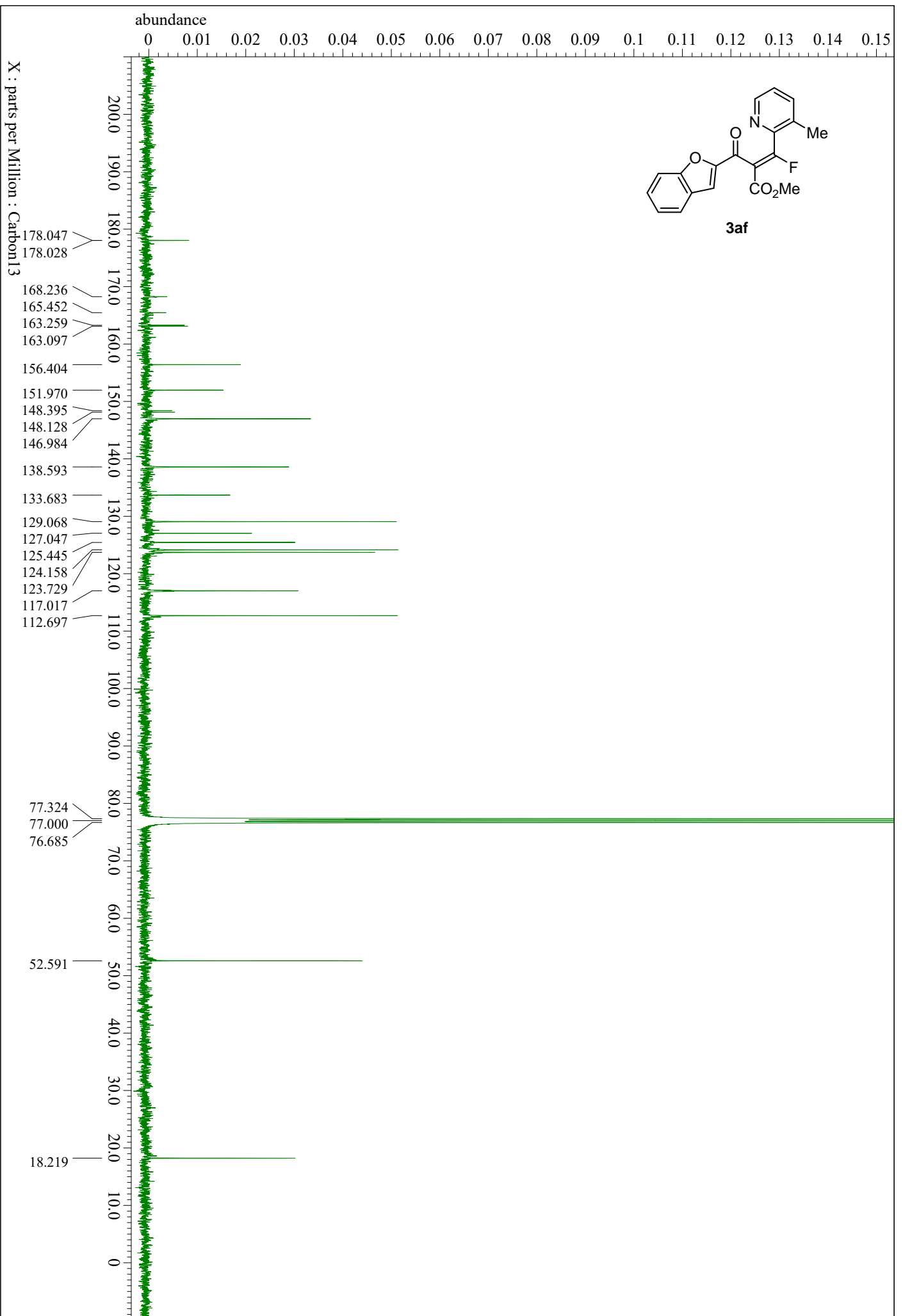




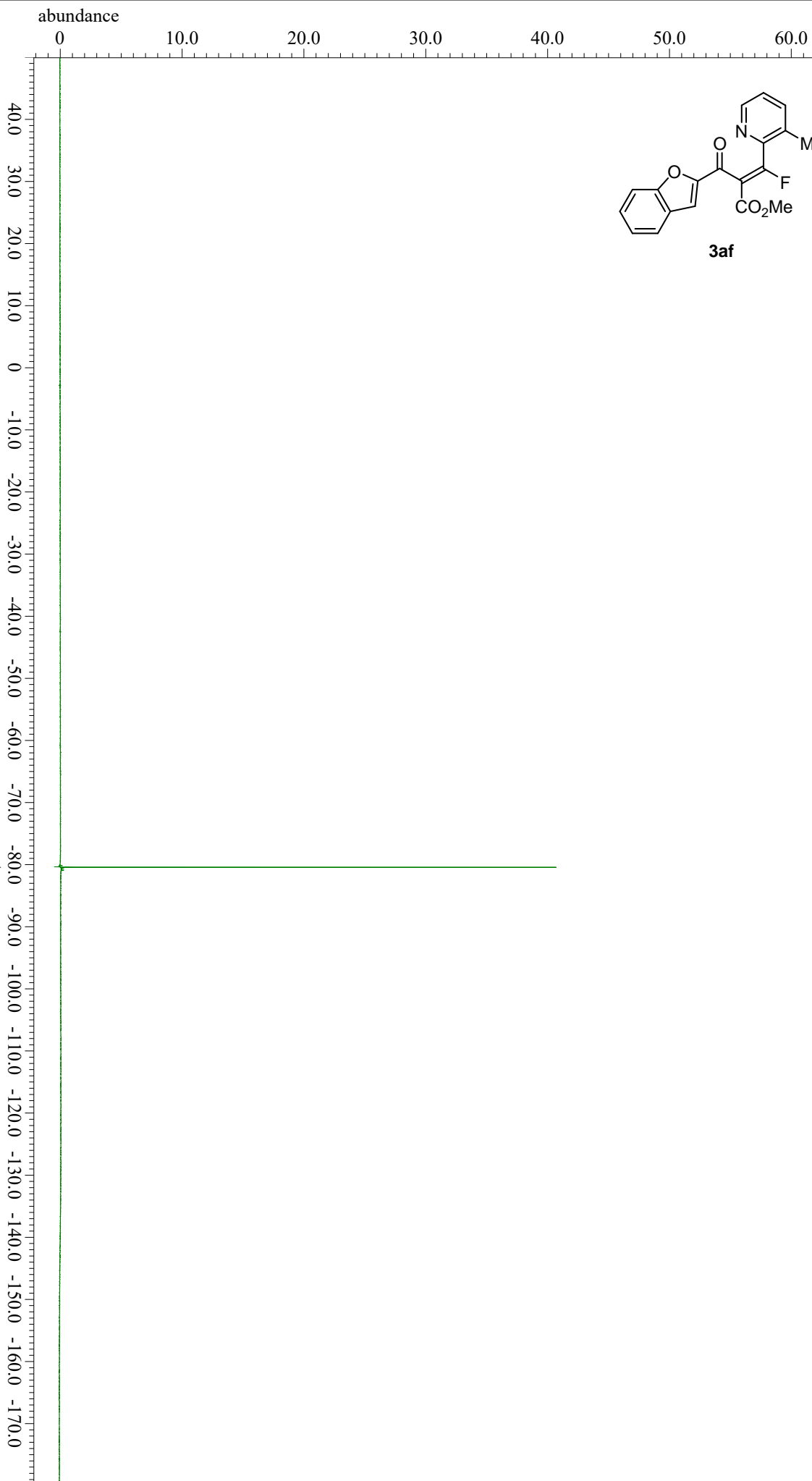


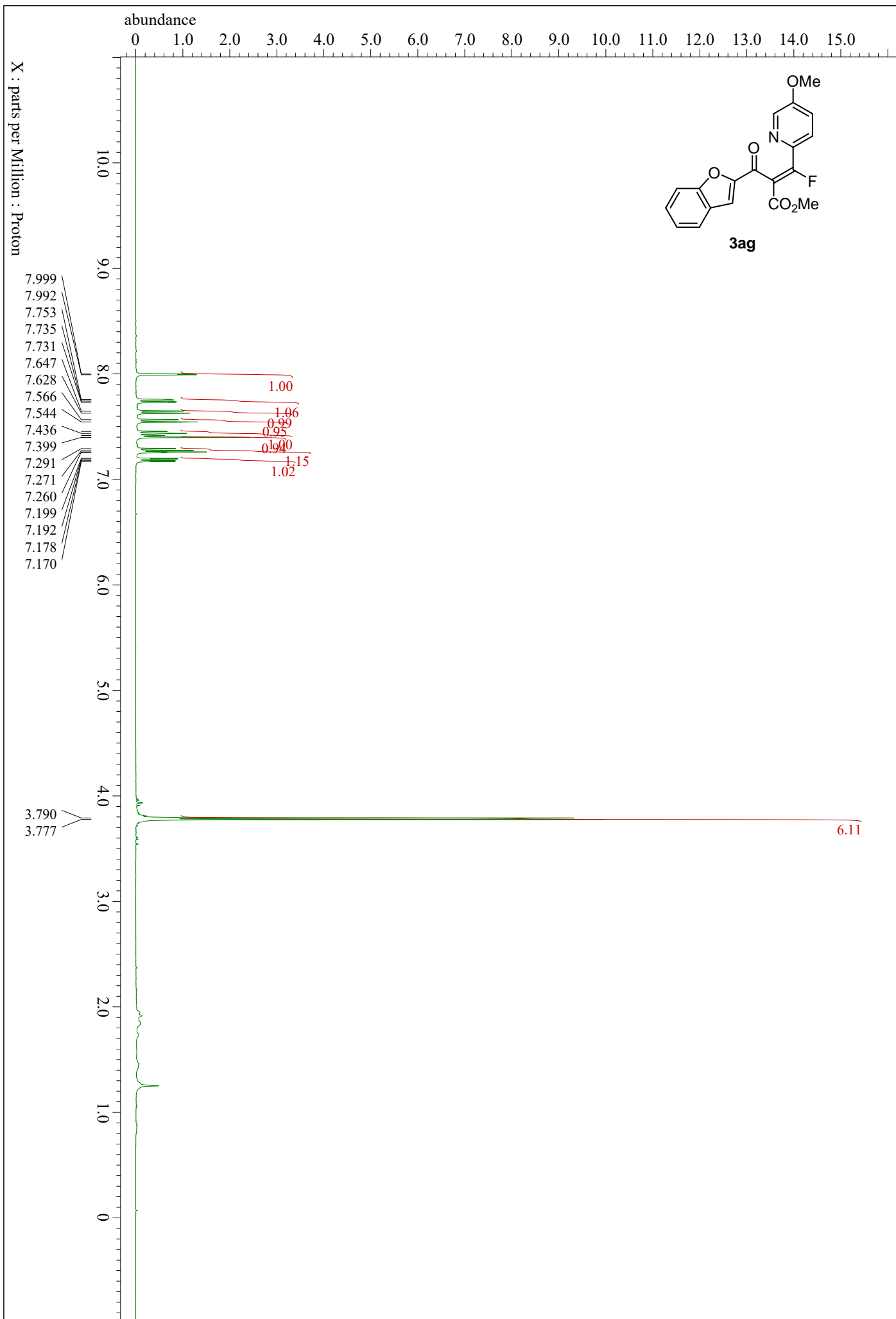


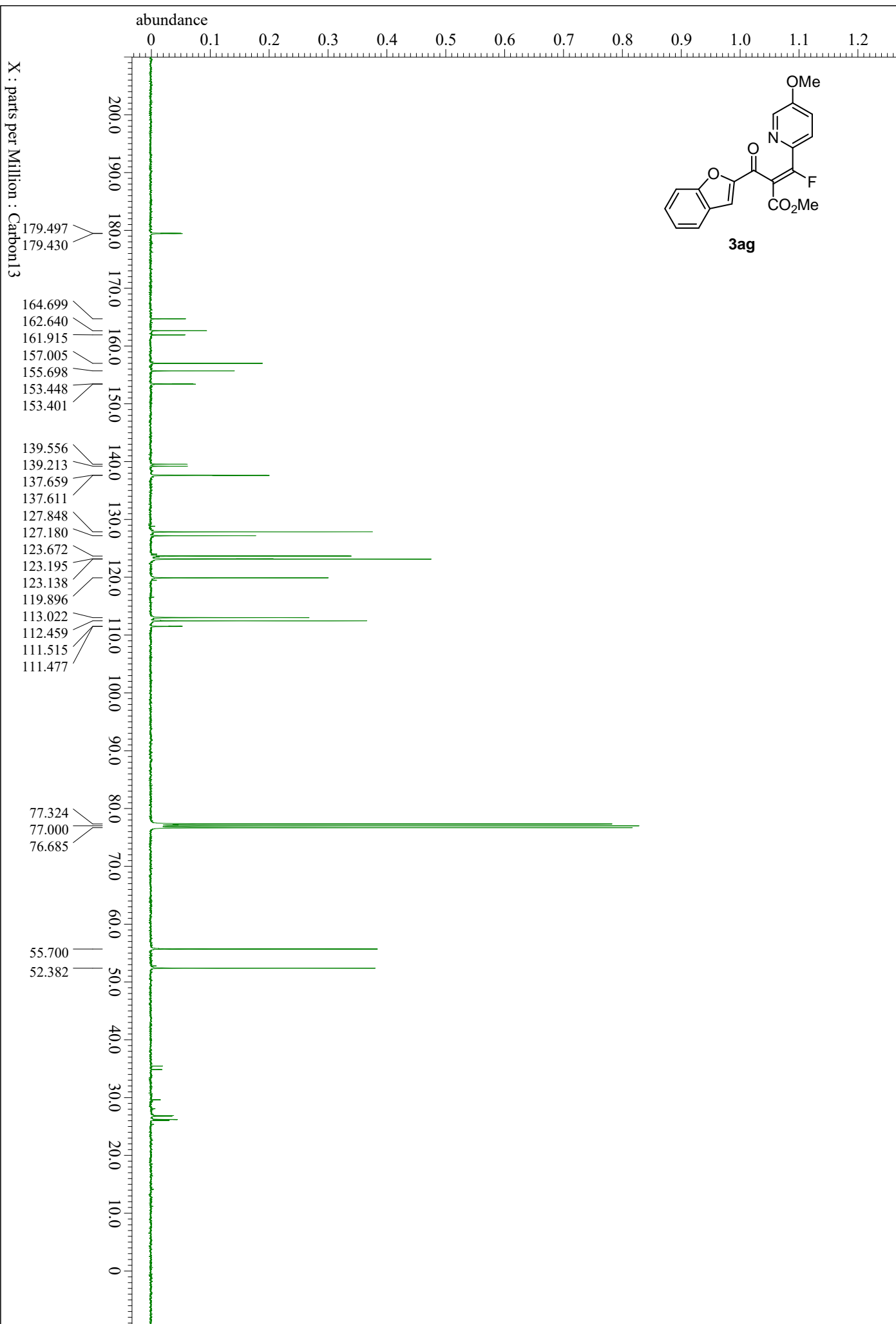


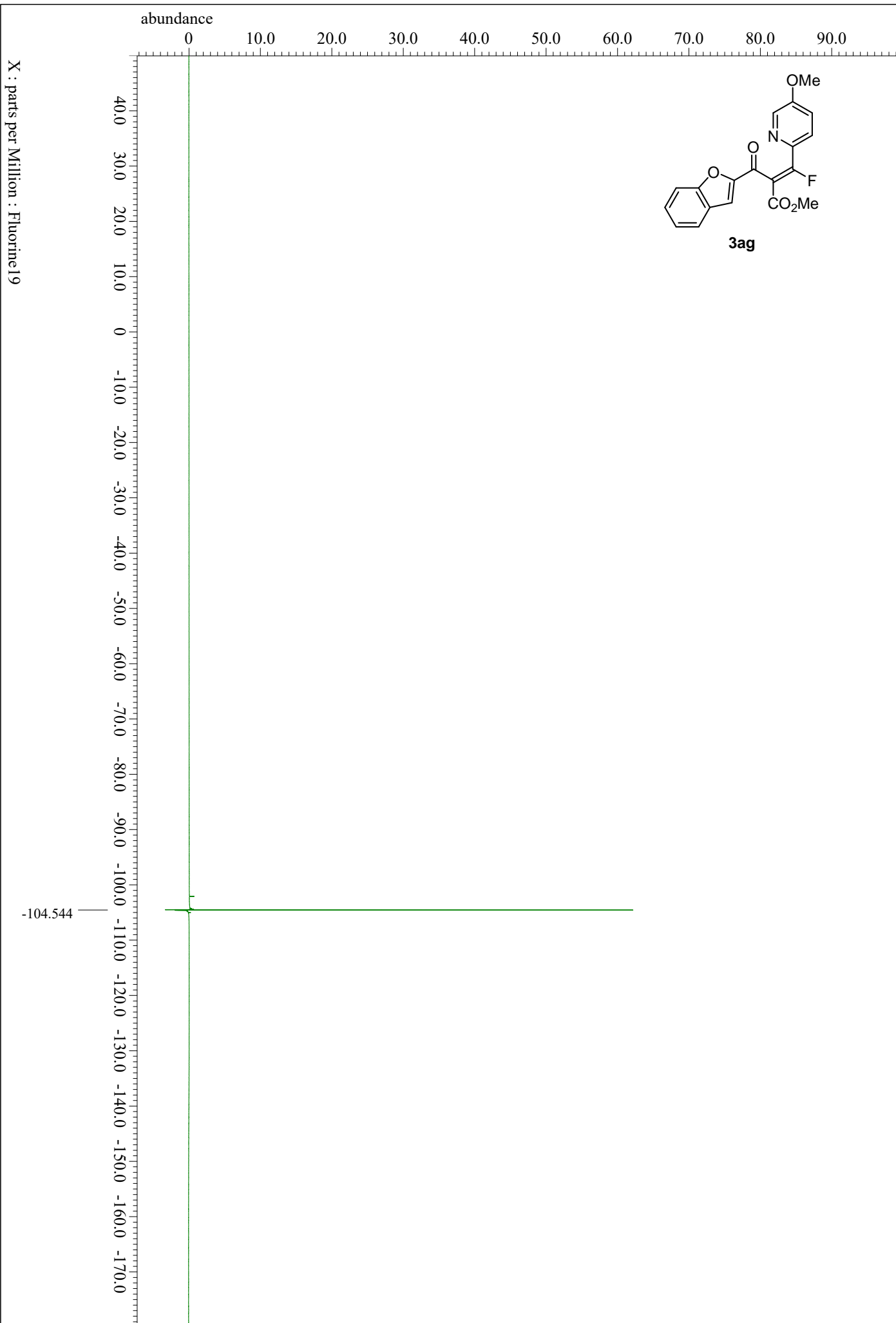


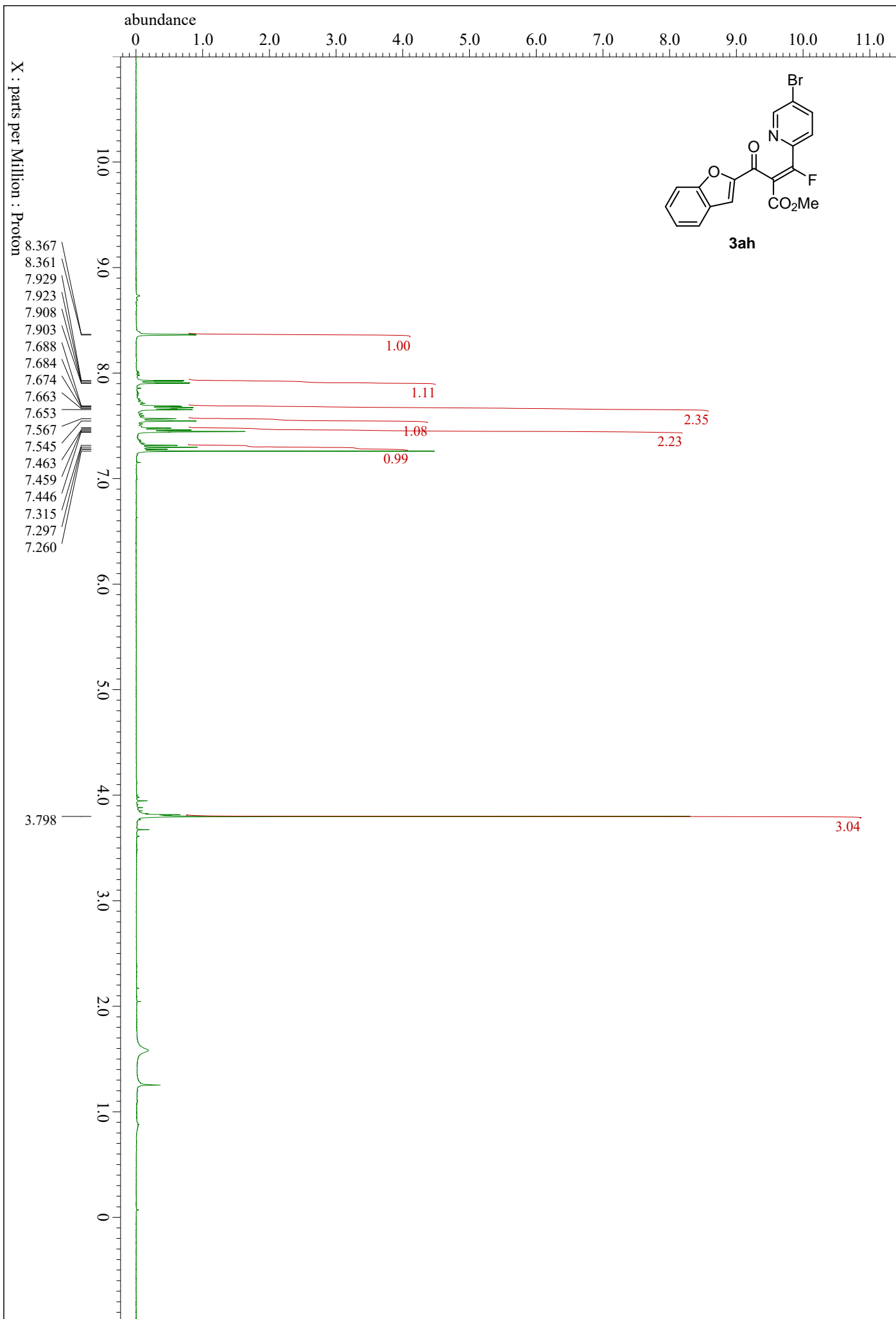
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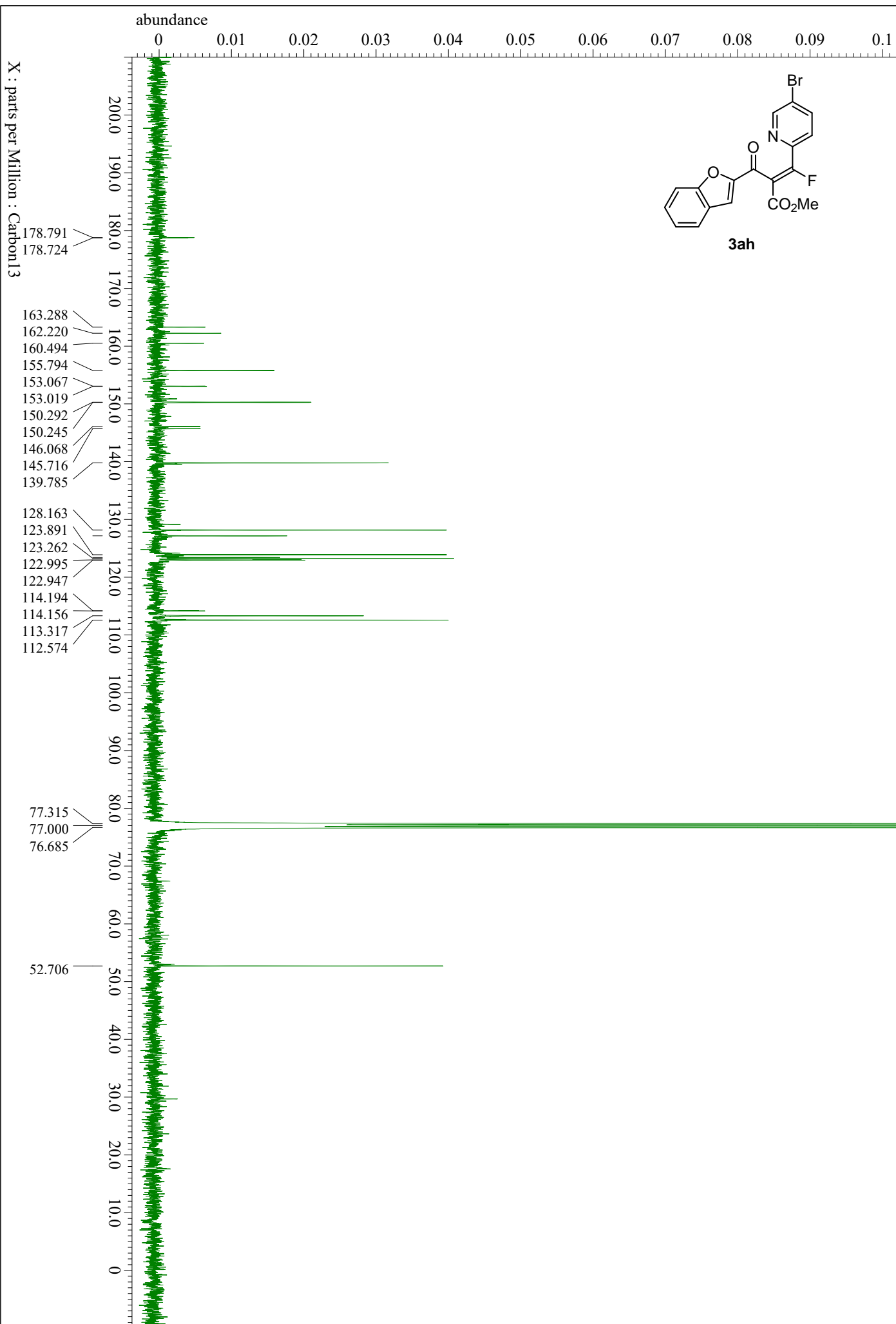


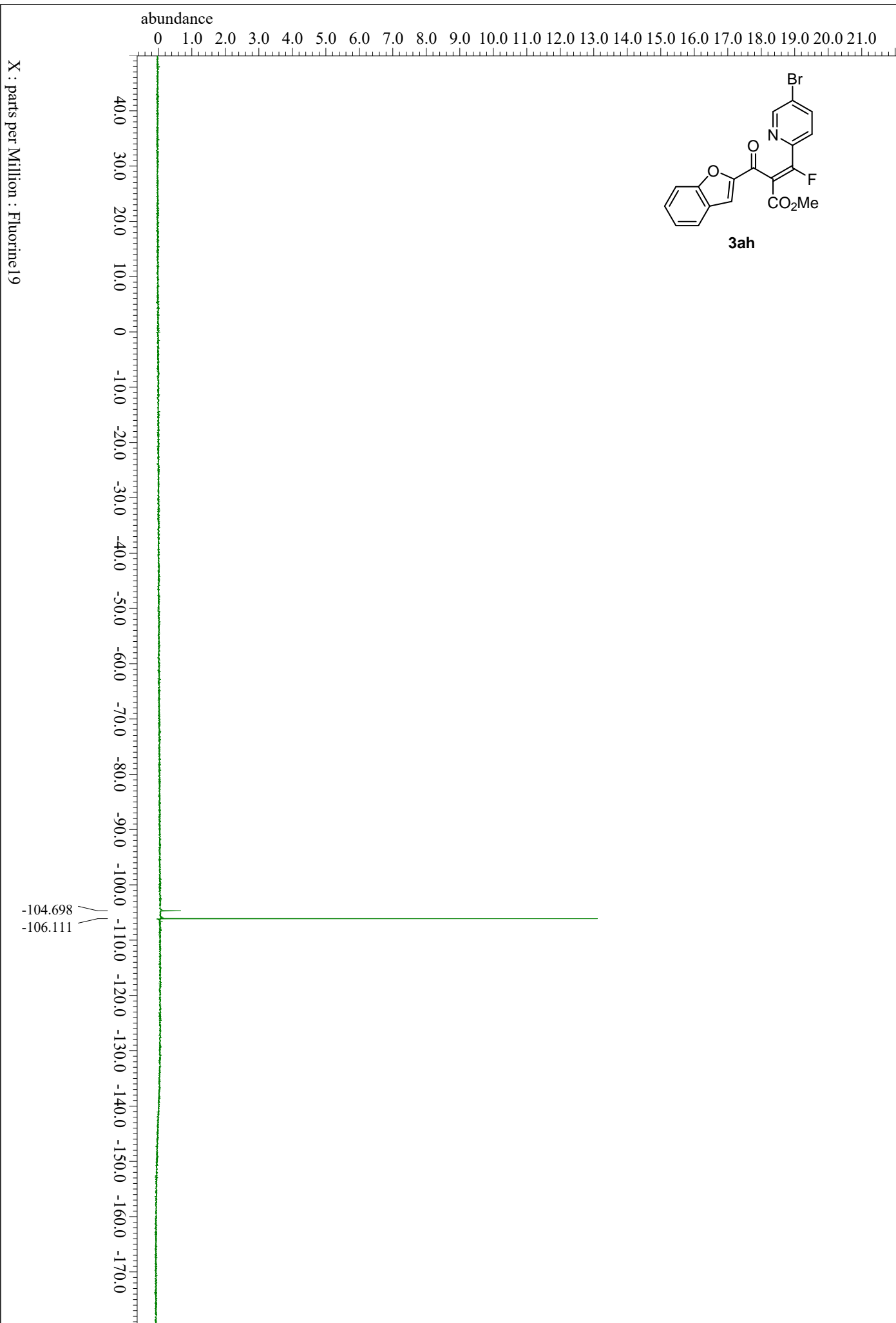


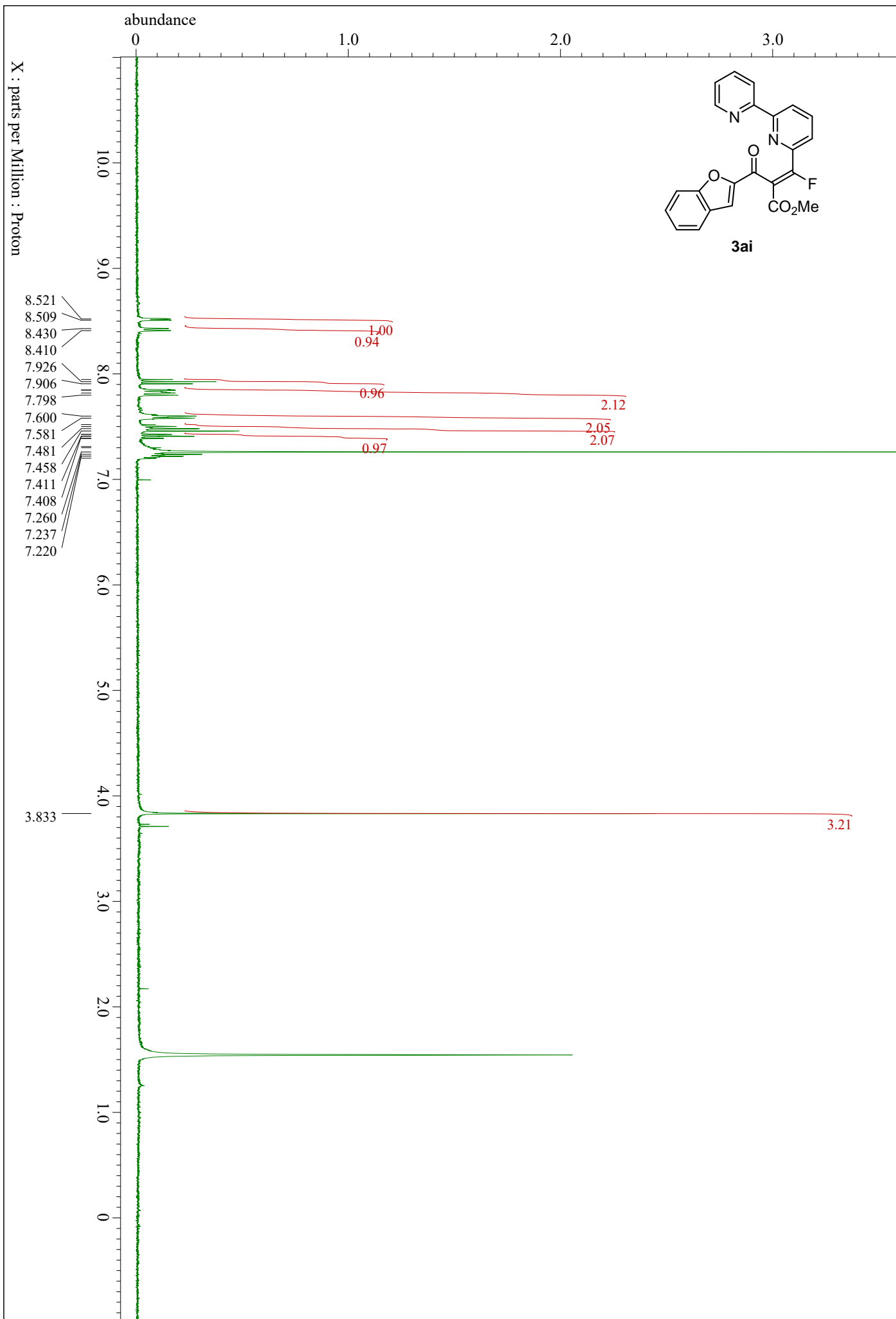


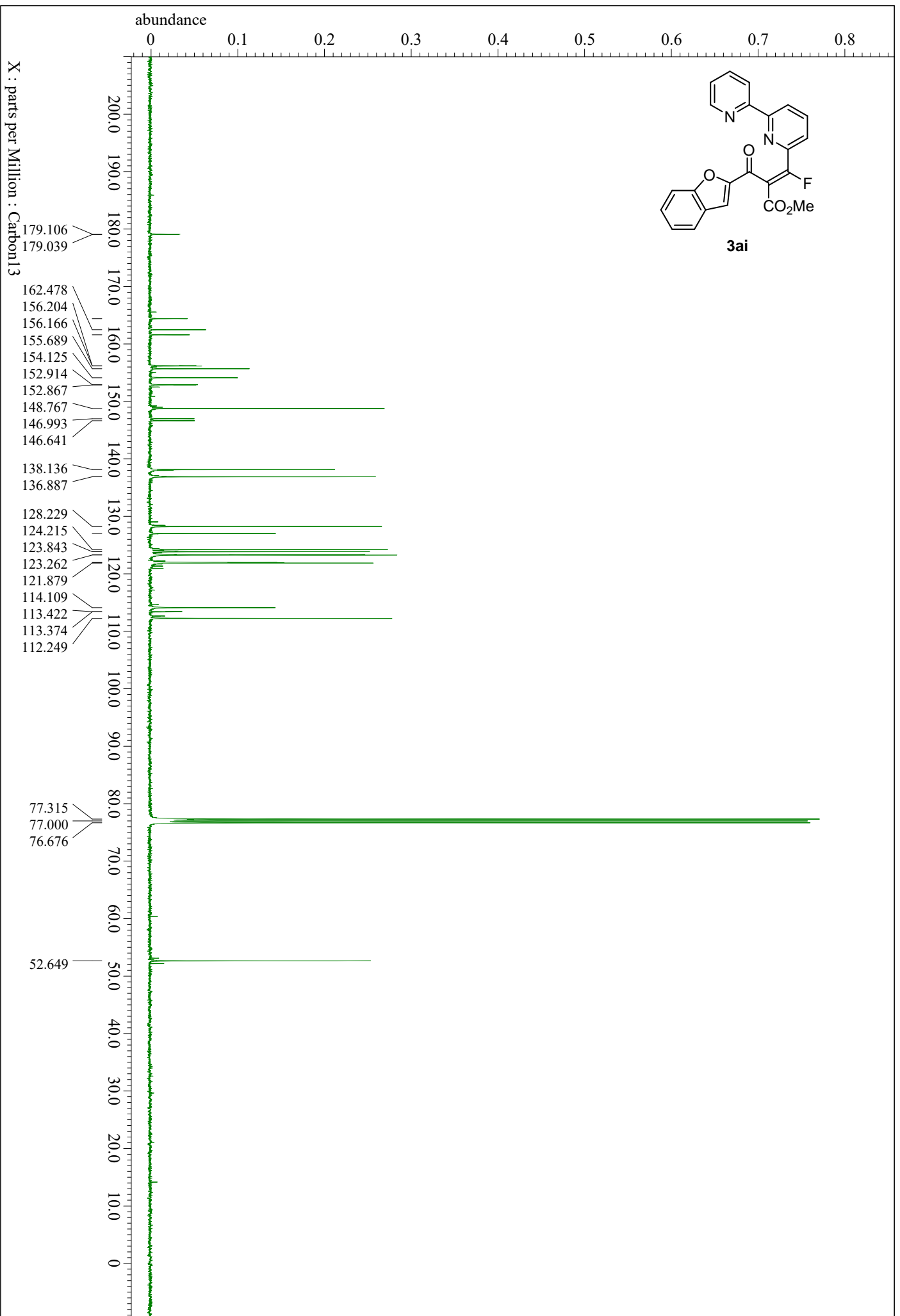




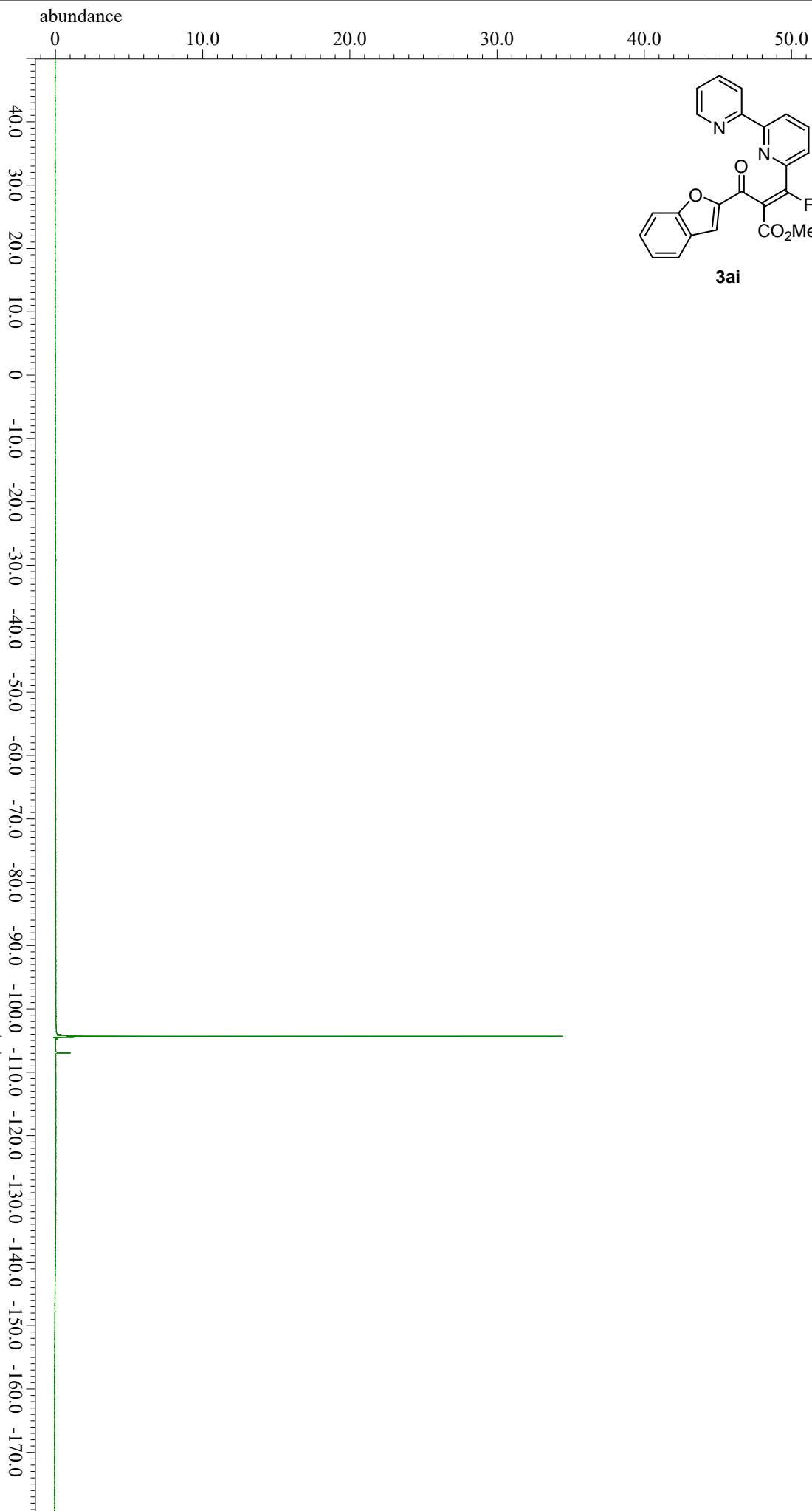


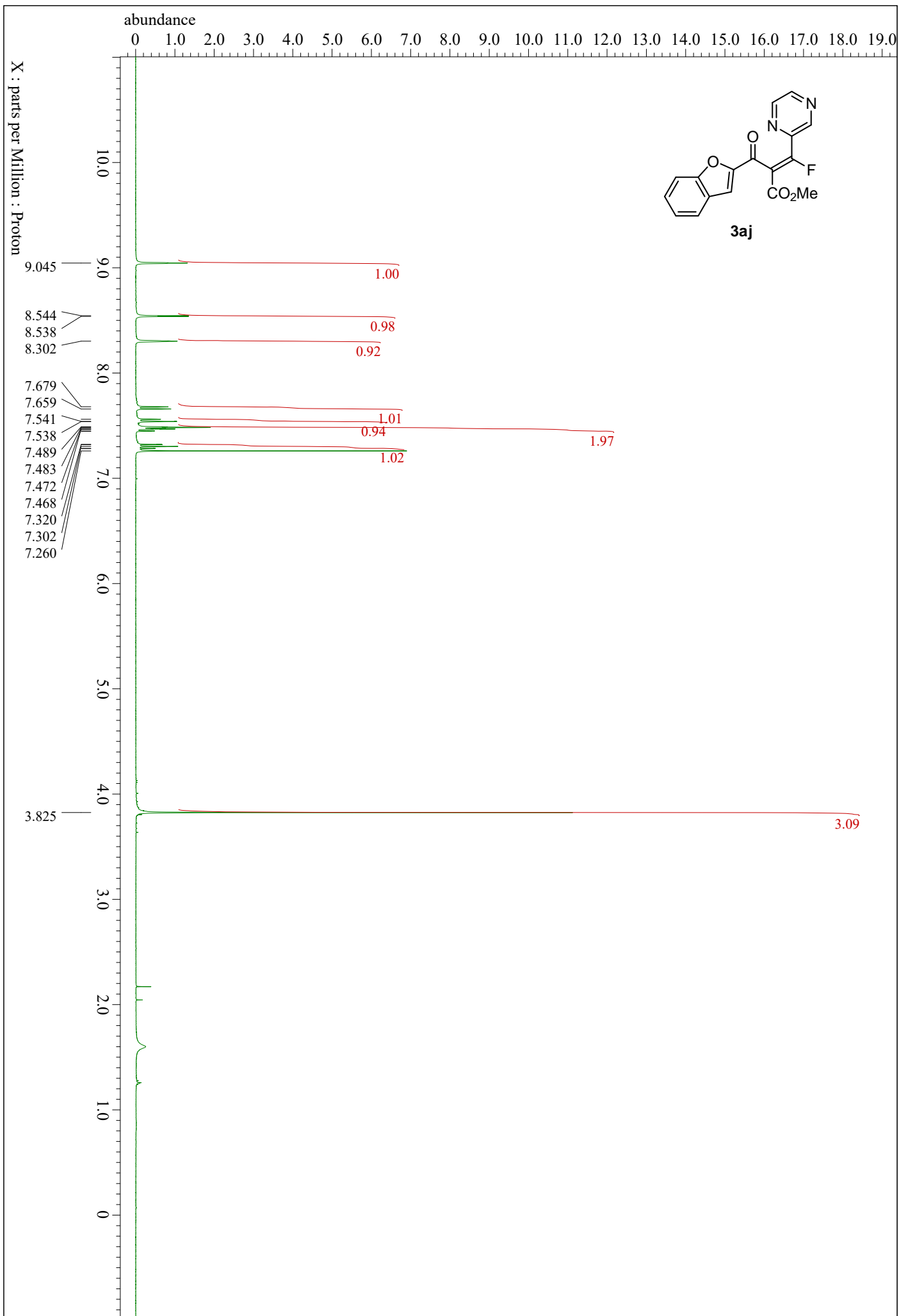


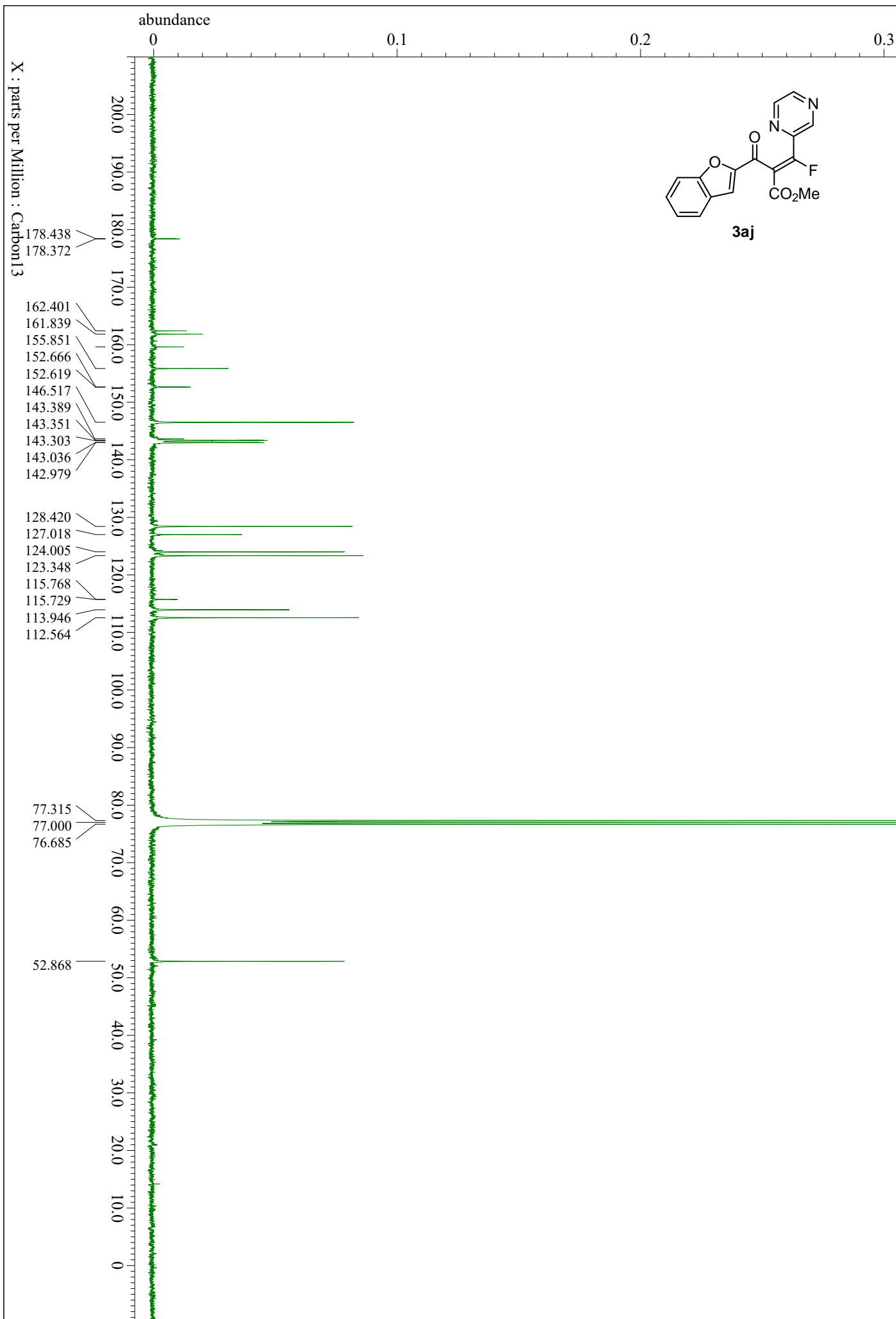


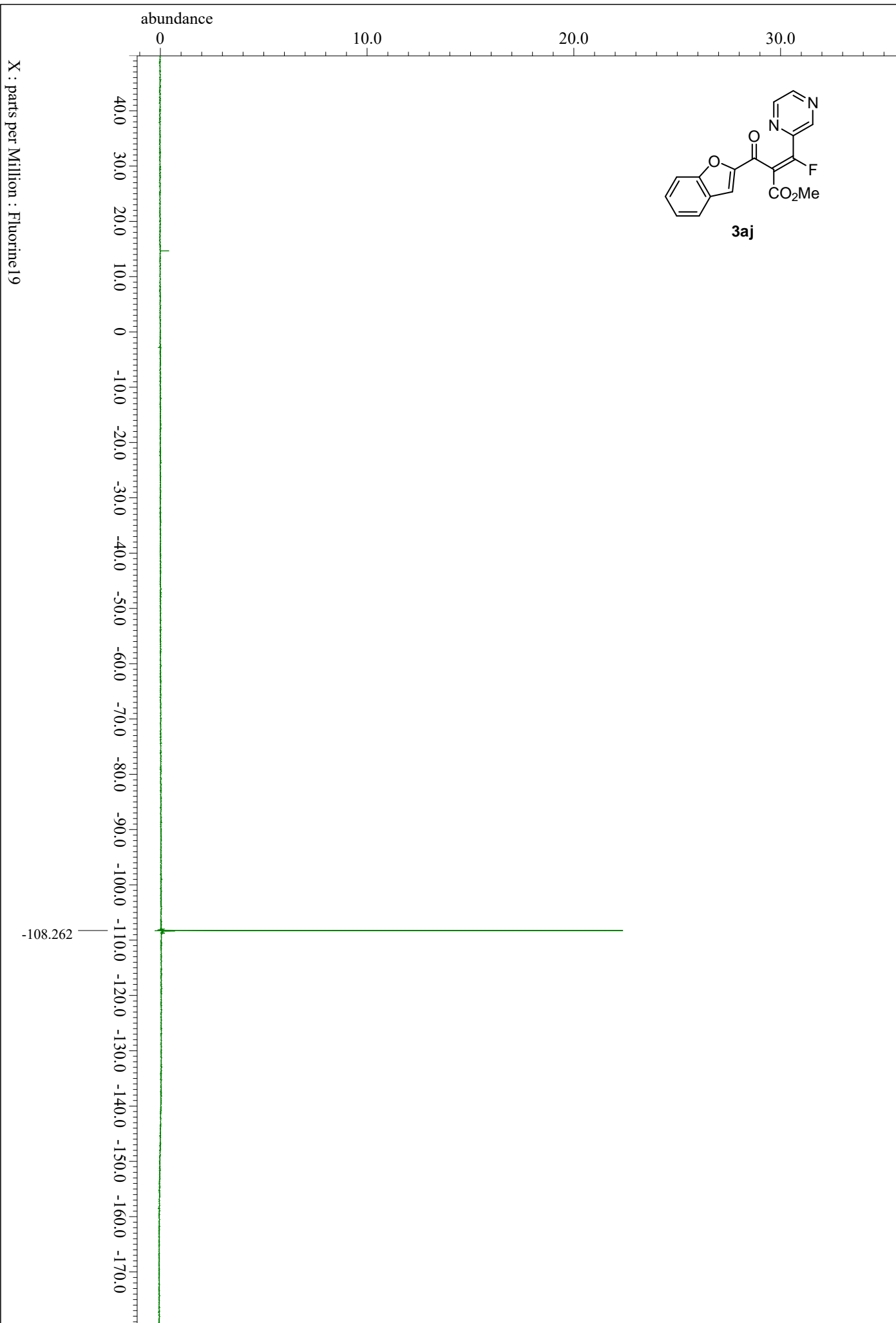


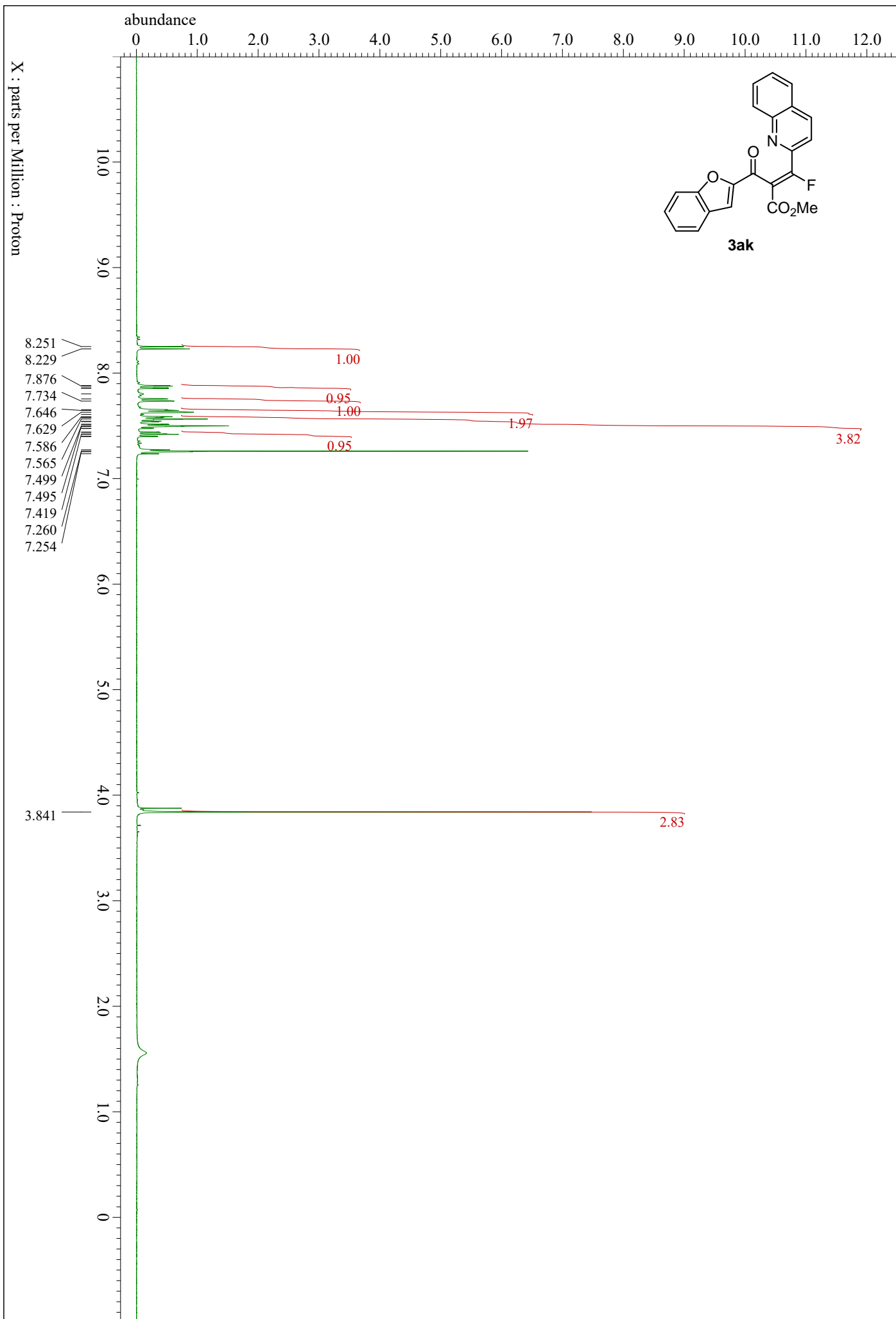
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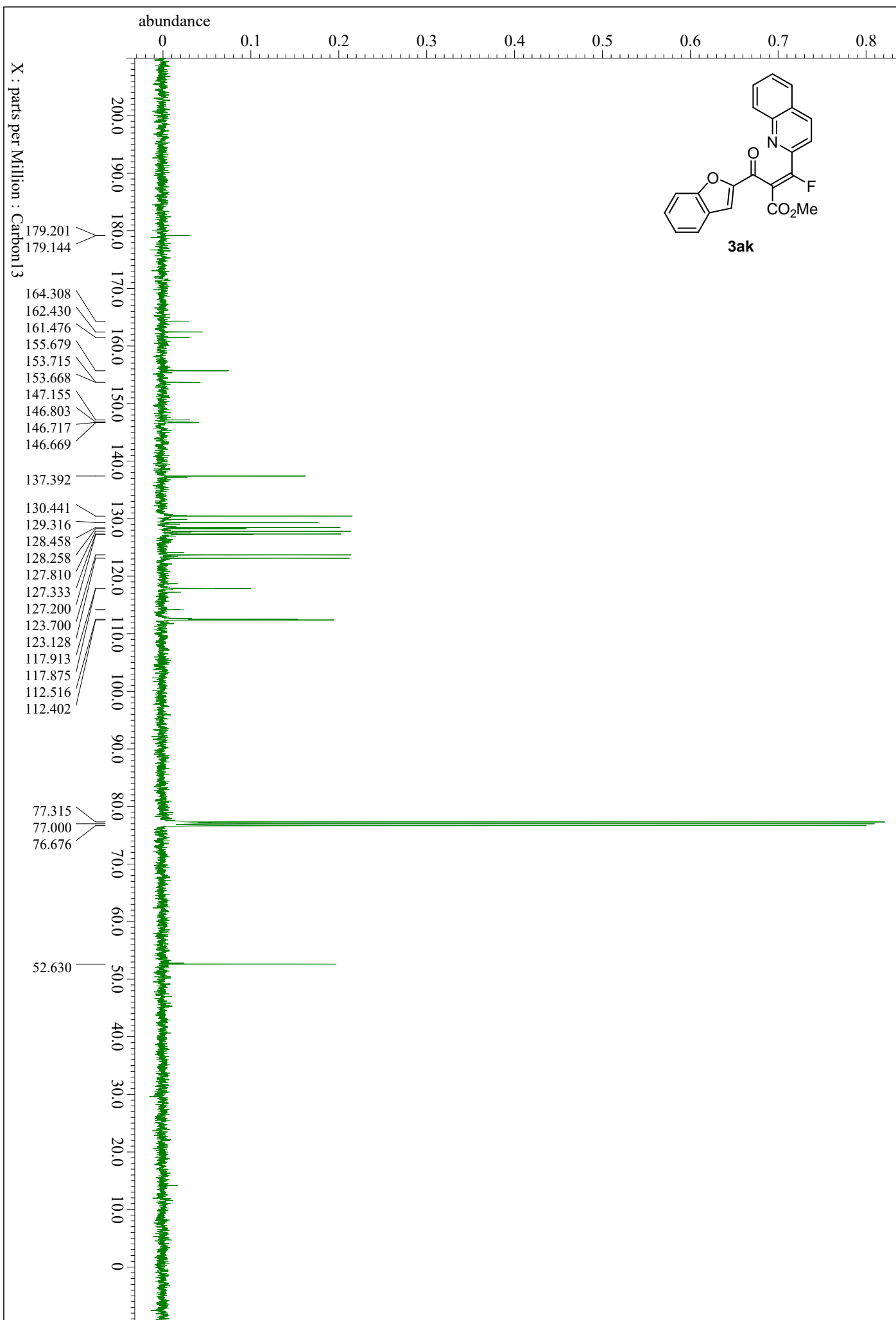




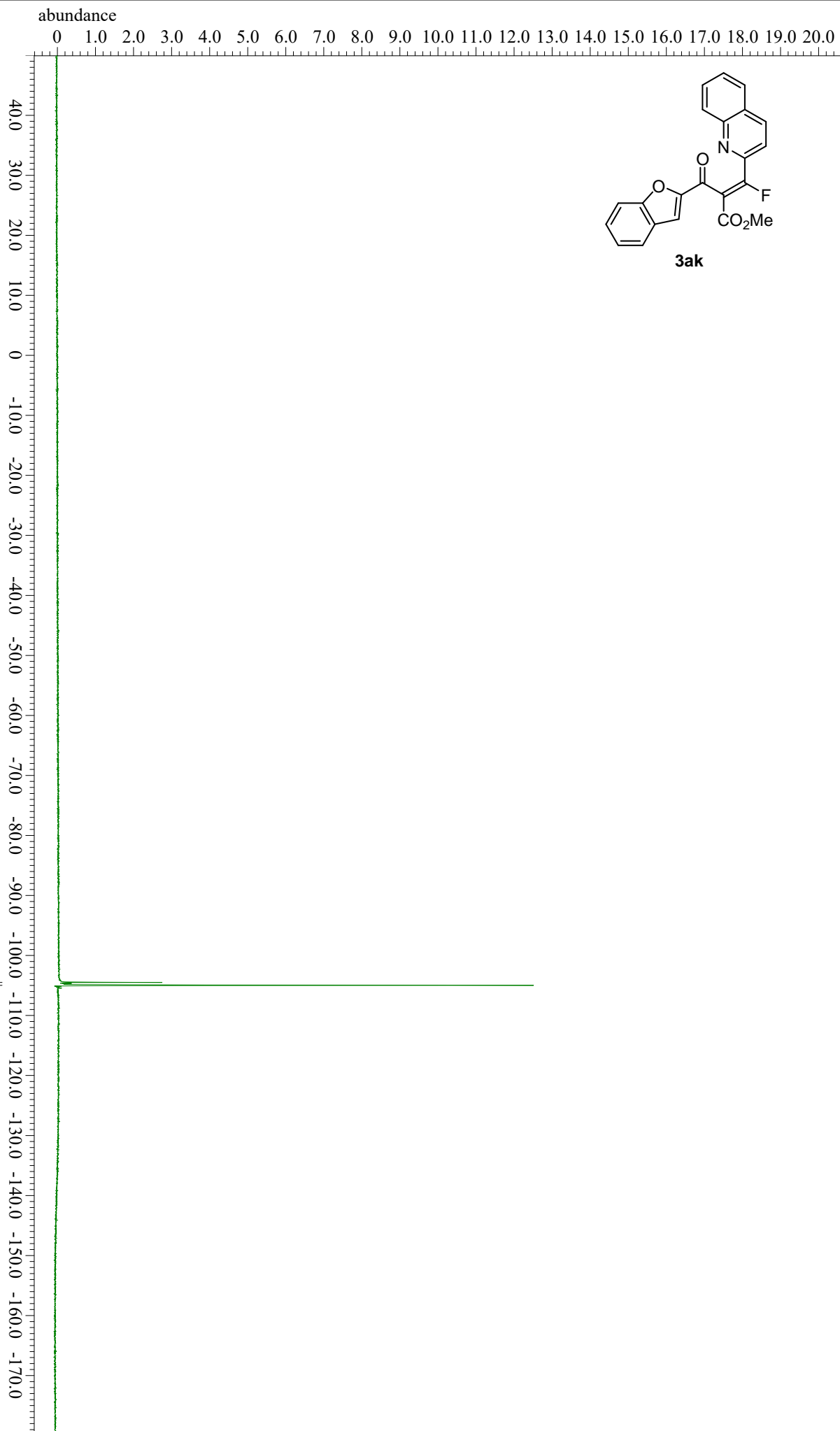


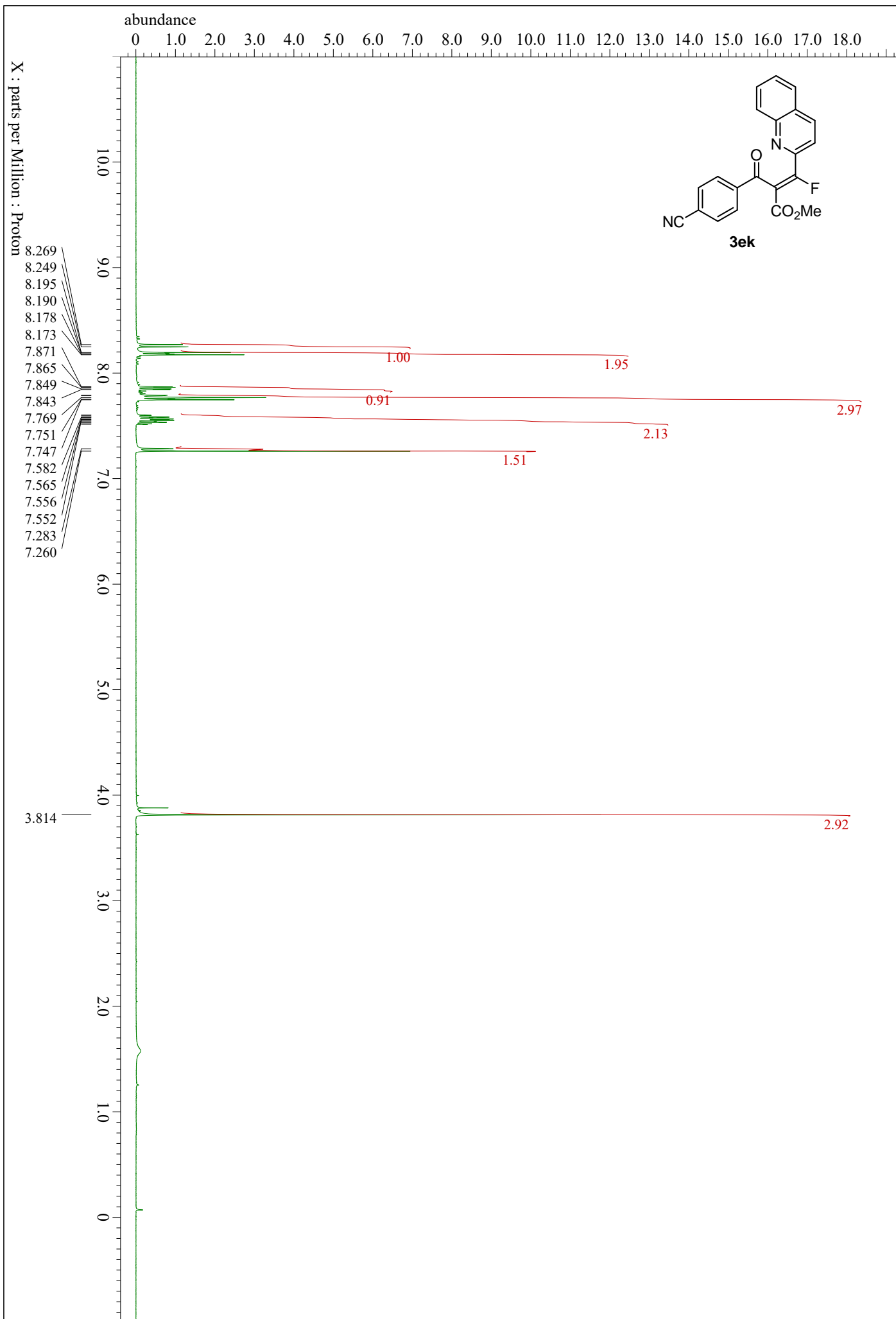


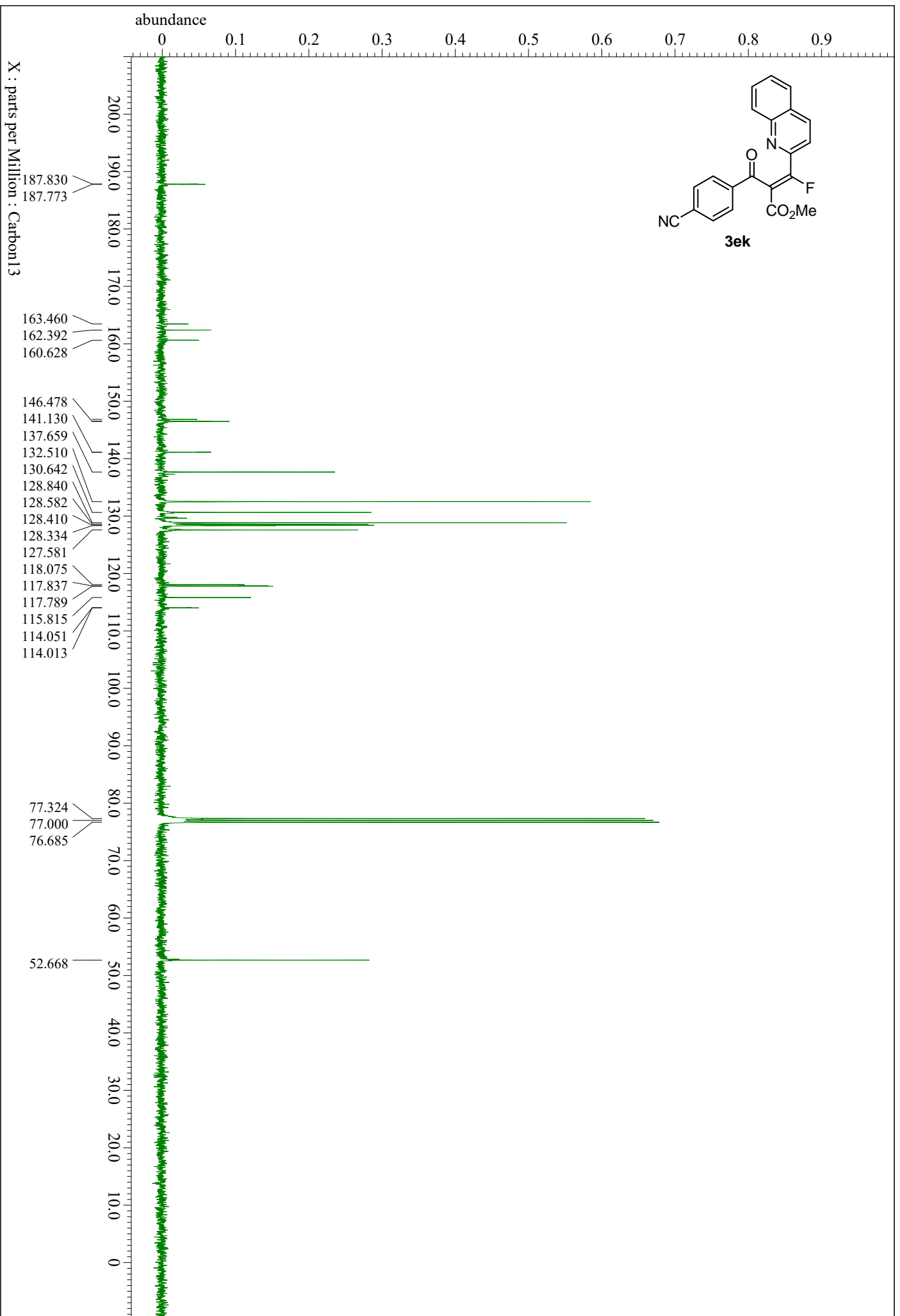


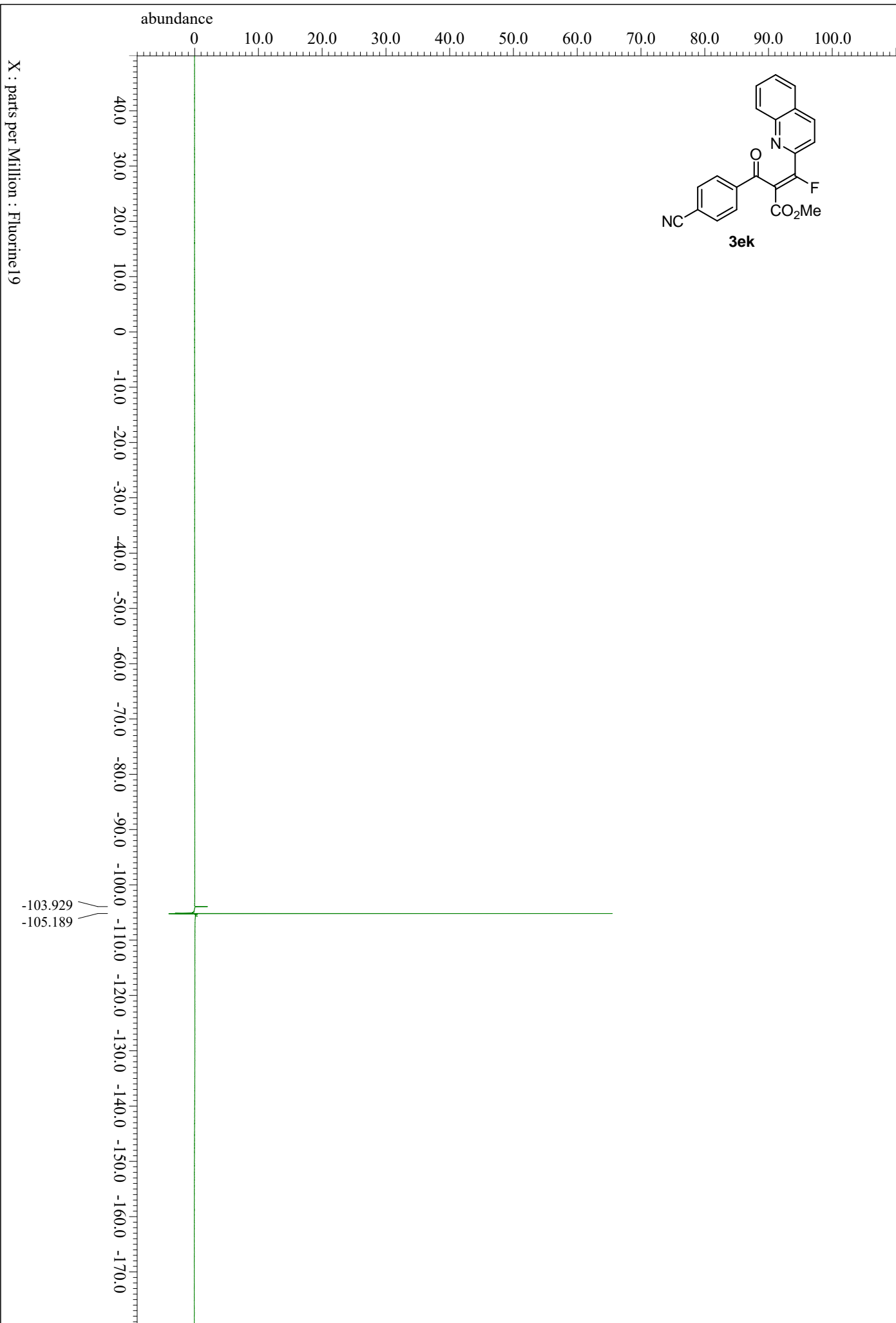


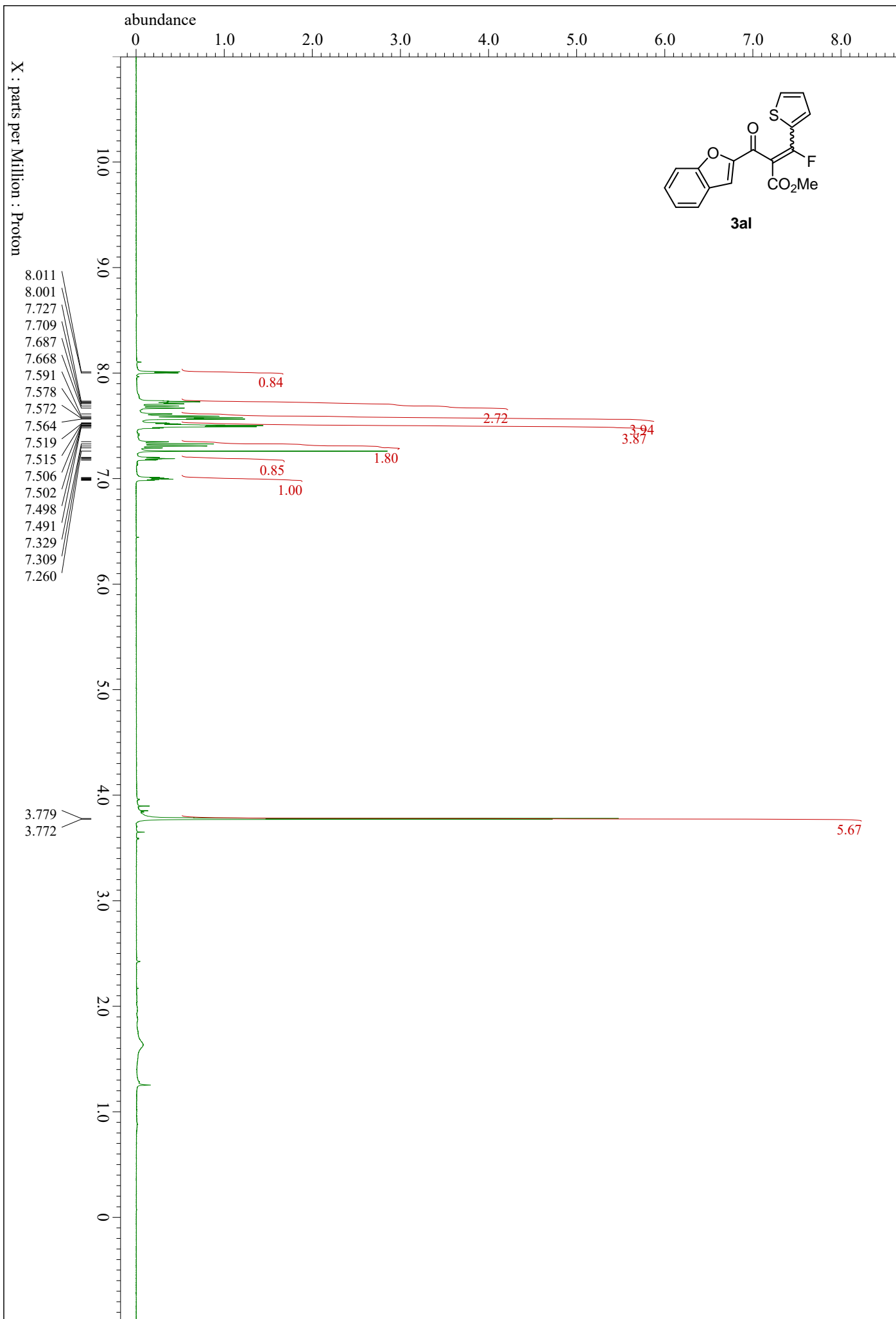
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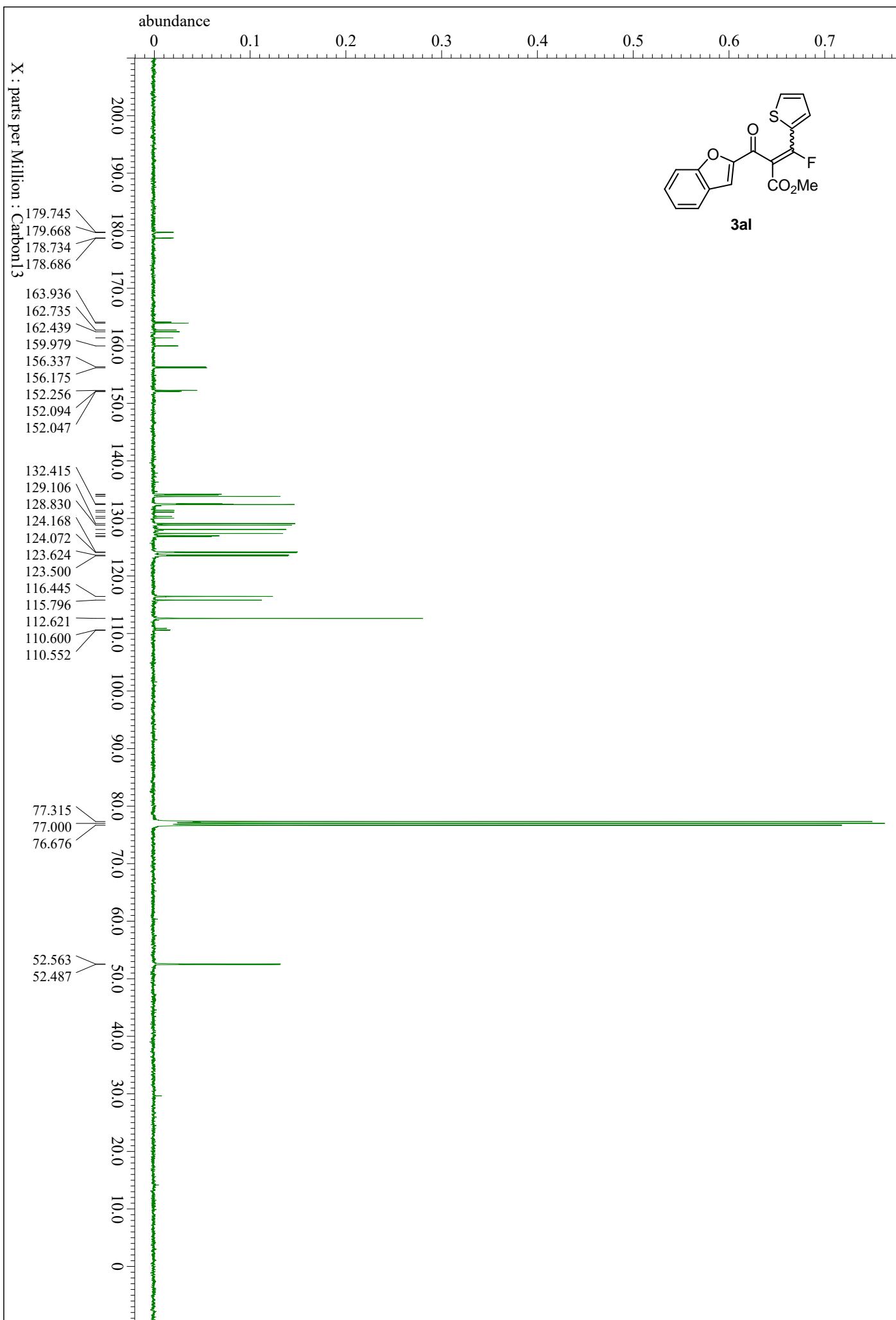


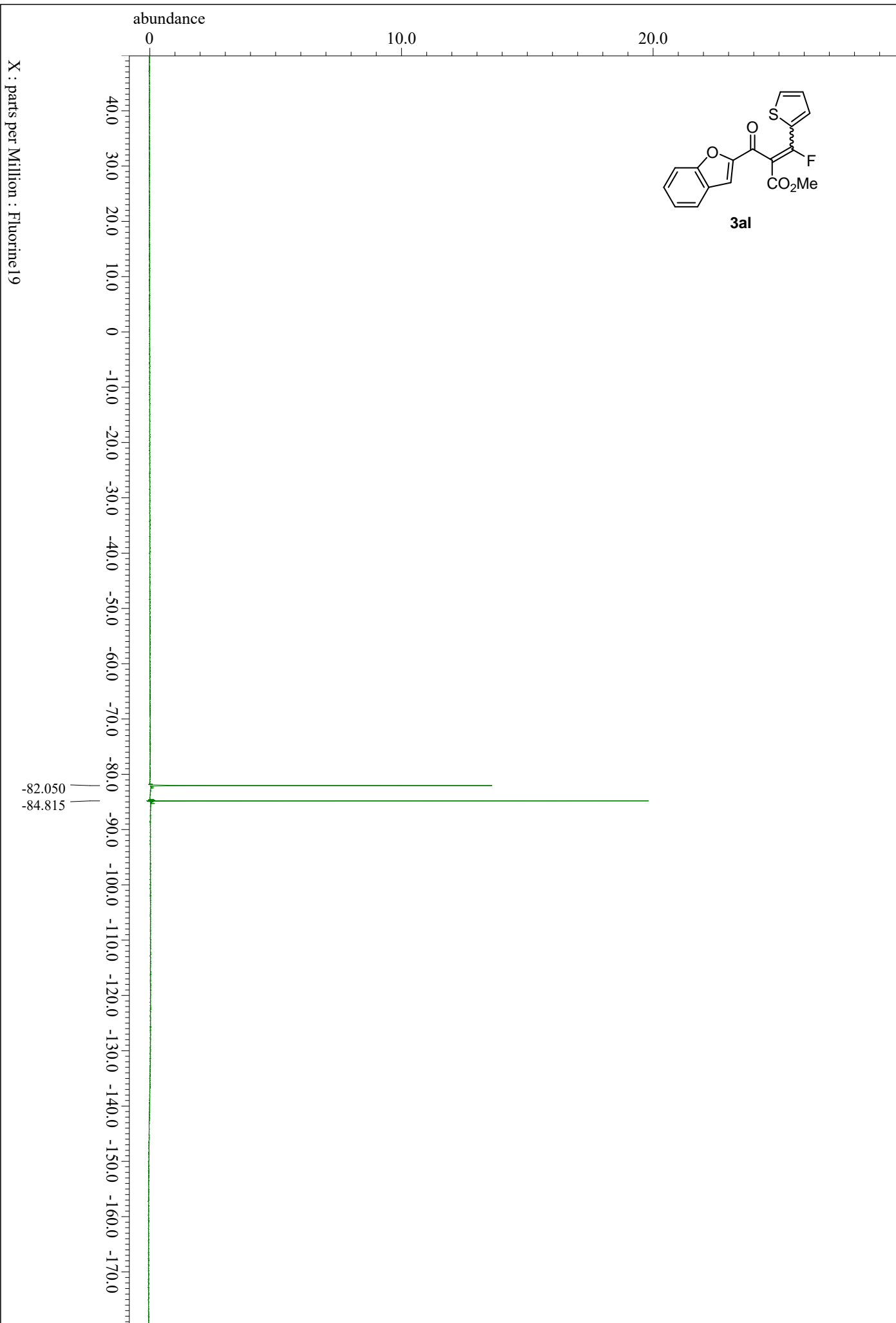


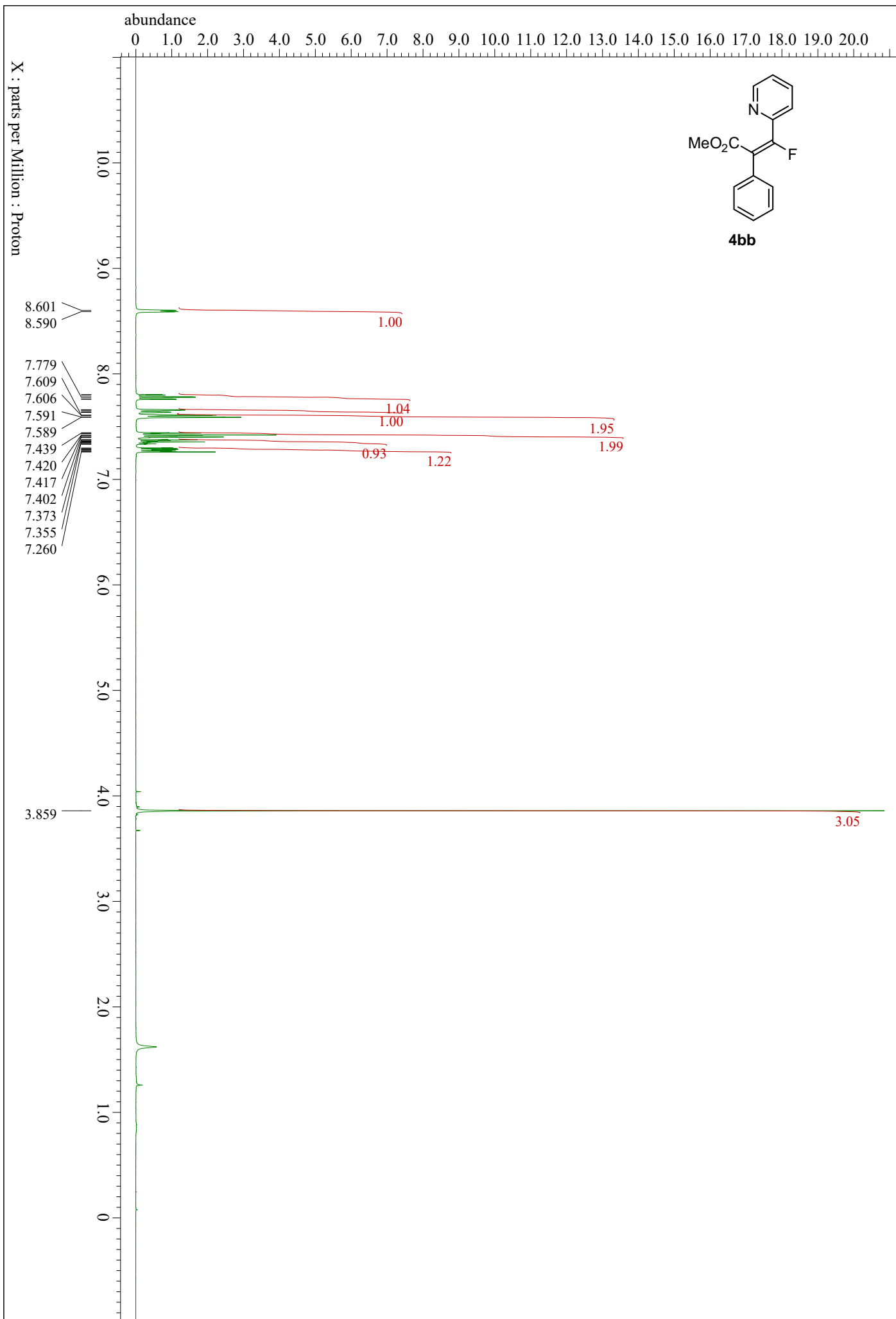


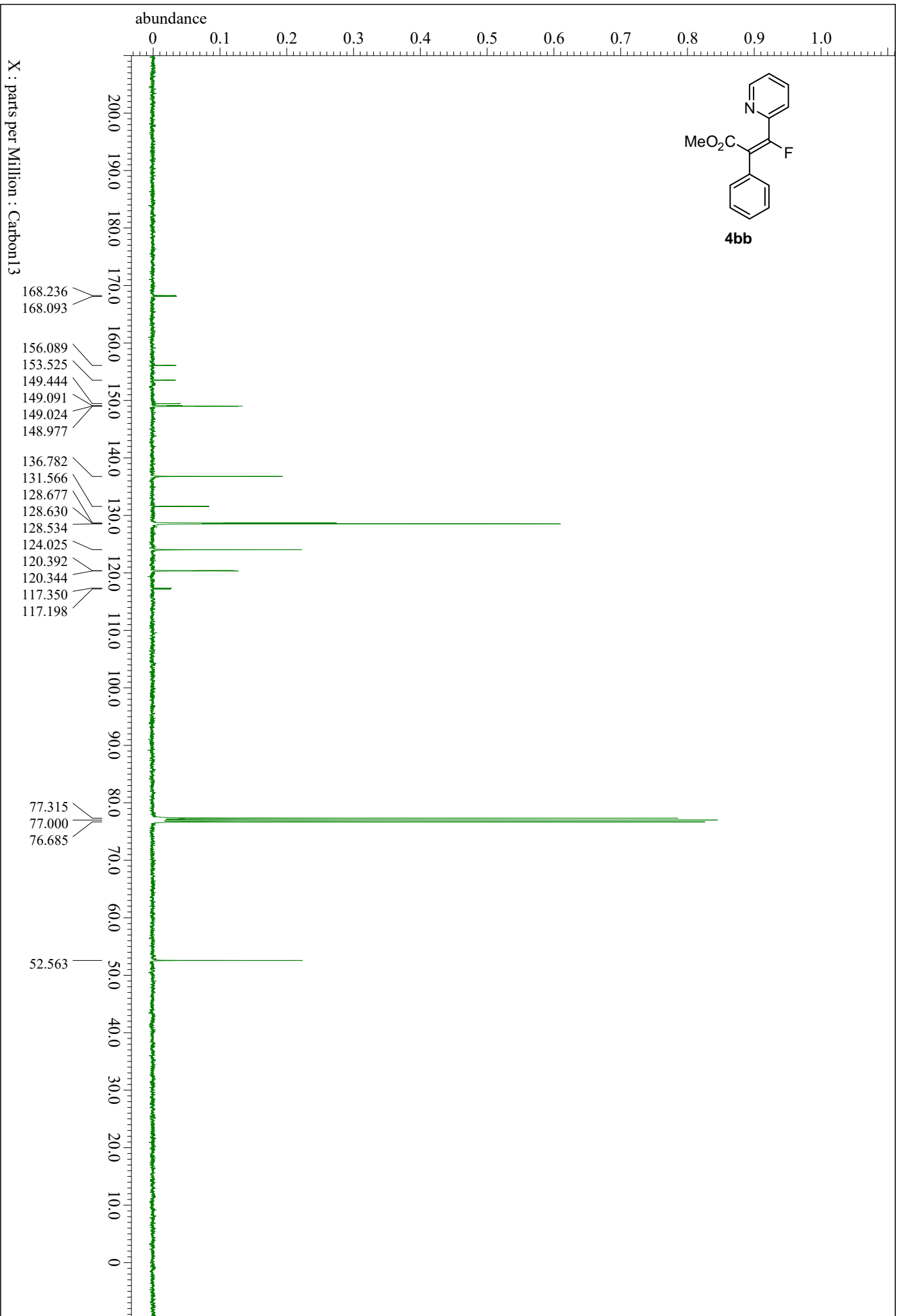












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