

Design, Synthesis, and biological evaluation of 3,3'-diindolylmethane N-linked glycoconjugate as Leishmanial Topoisomerase IB inhibitor with reduced cytotoxicity

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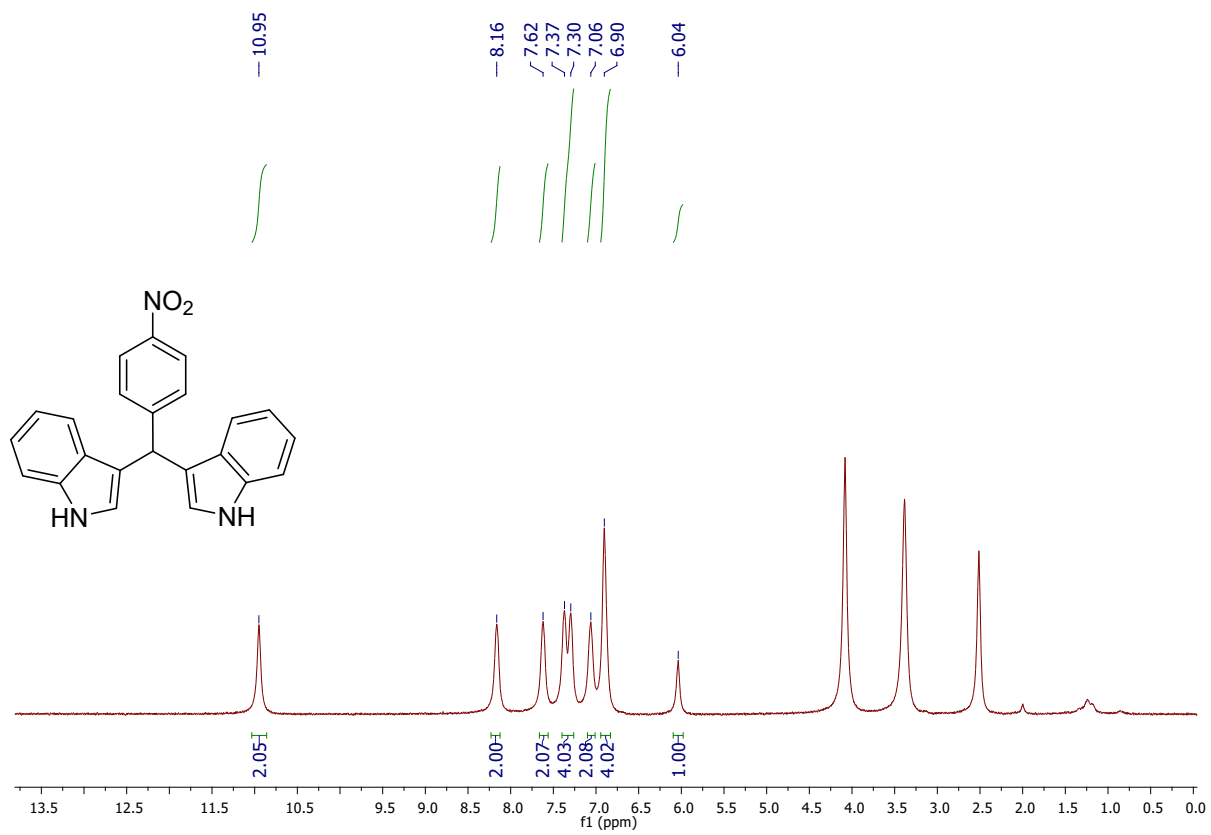
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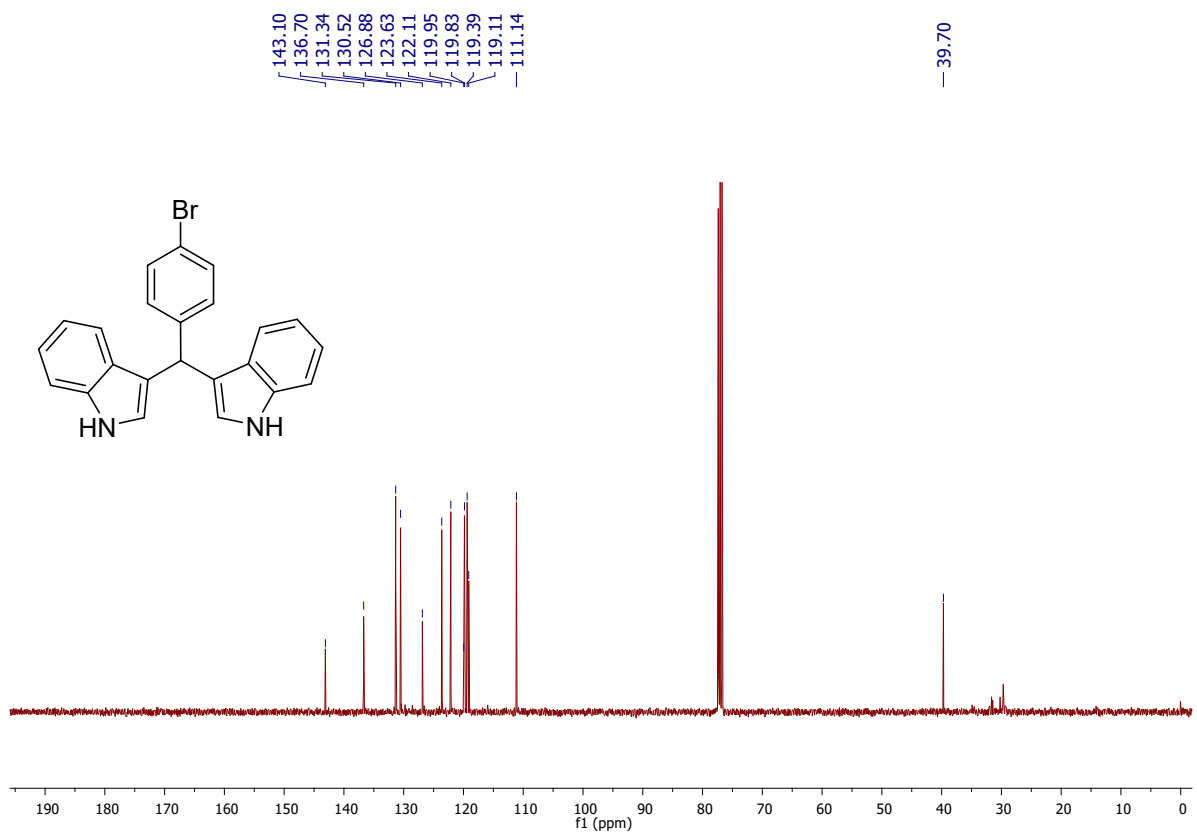
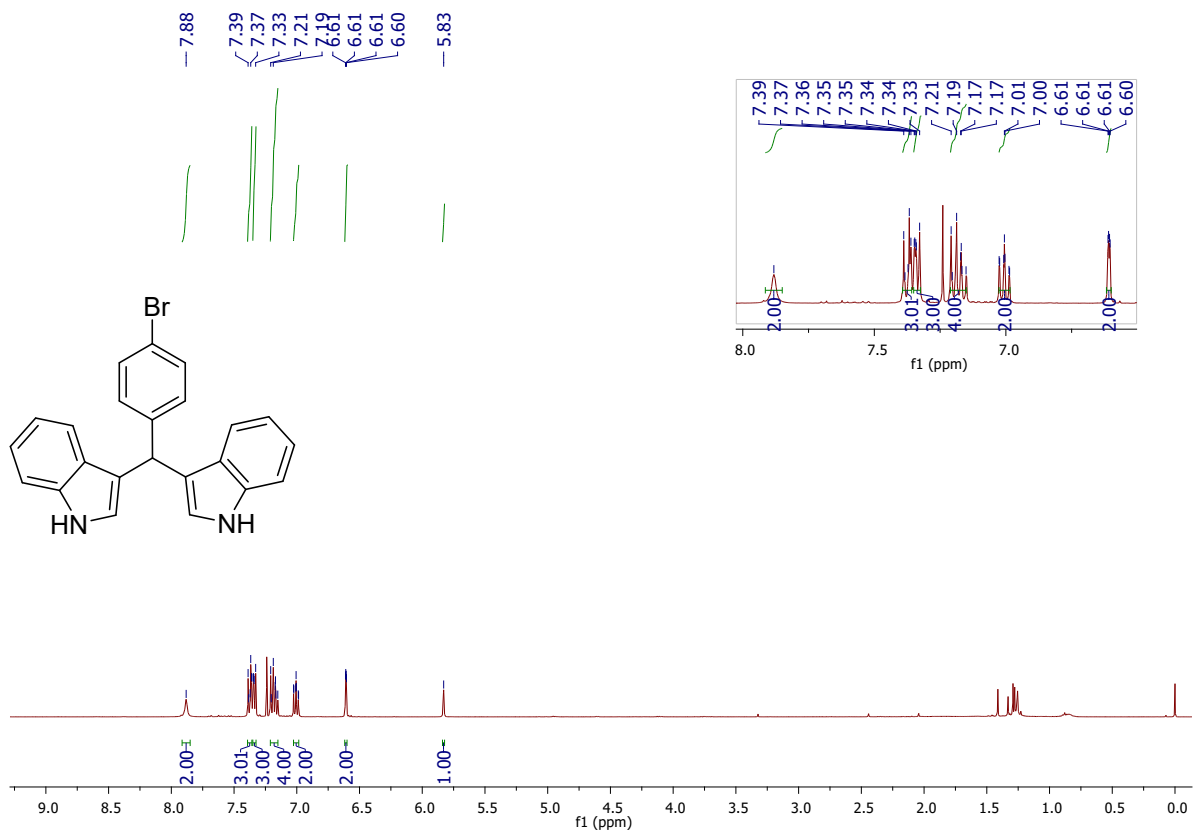
Dr. Debaraj Mukherjee, Natural Products & Medicinal Chemistry Division, CSIR- Indian Institute of Integrative Medicine, Jammu, India-180001. E-mail: debaraj@jcbose.ac.in

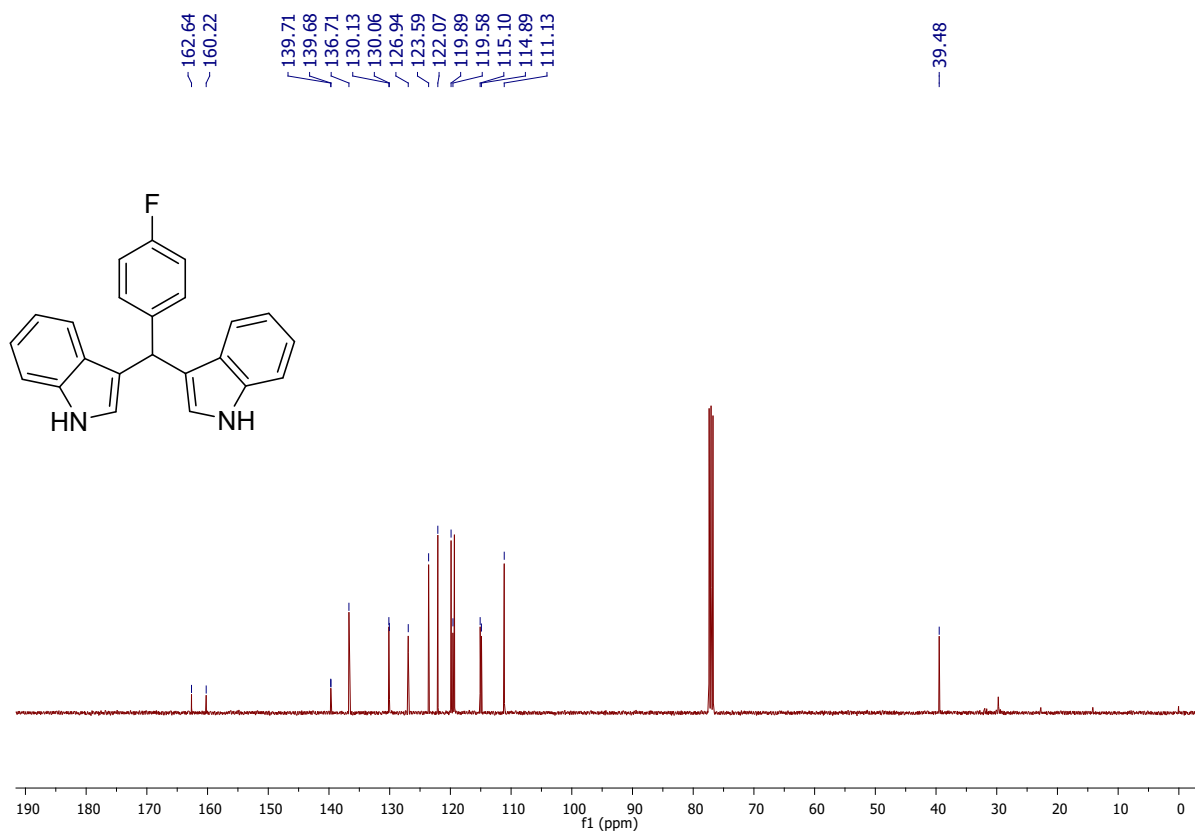
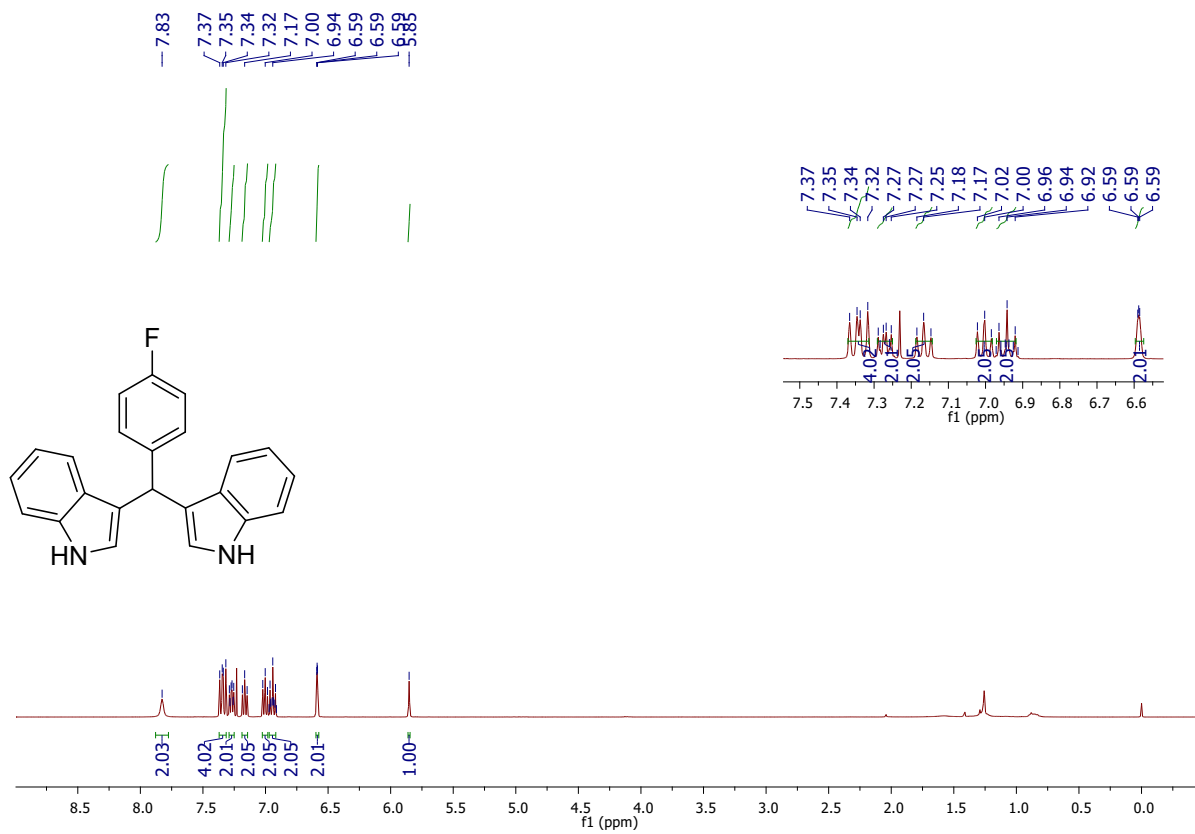
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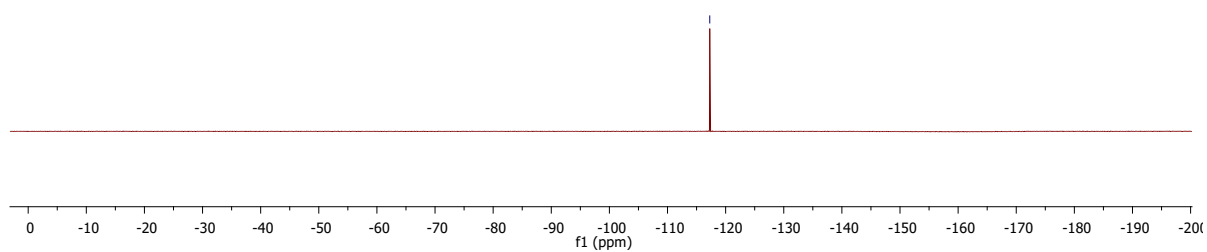
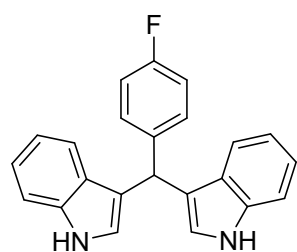
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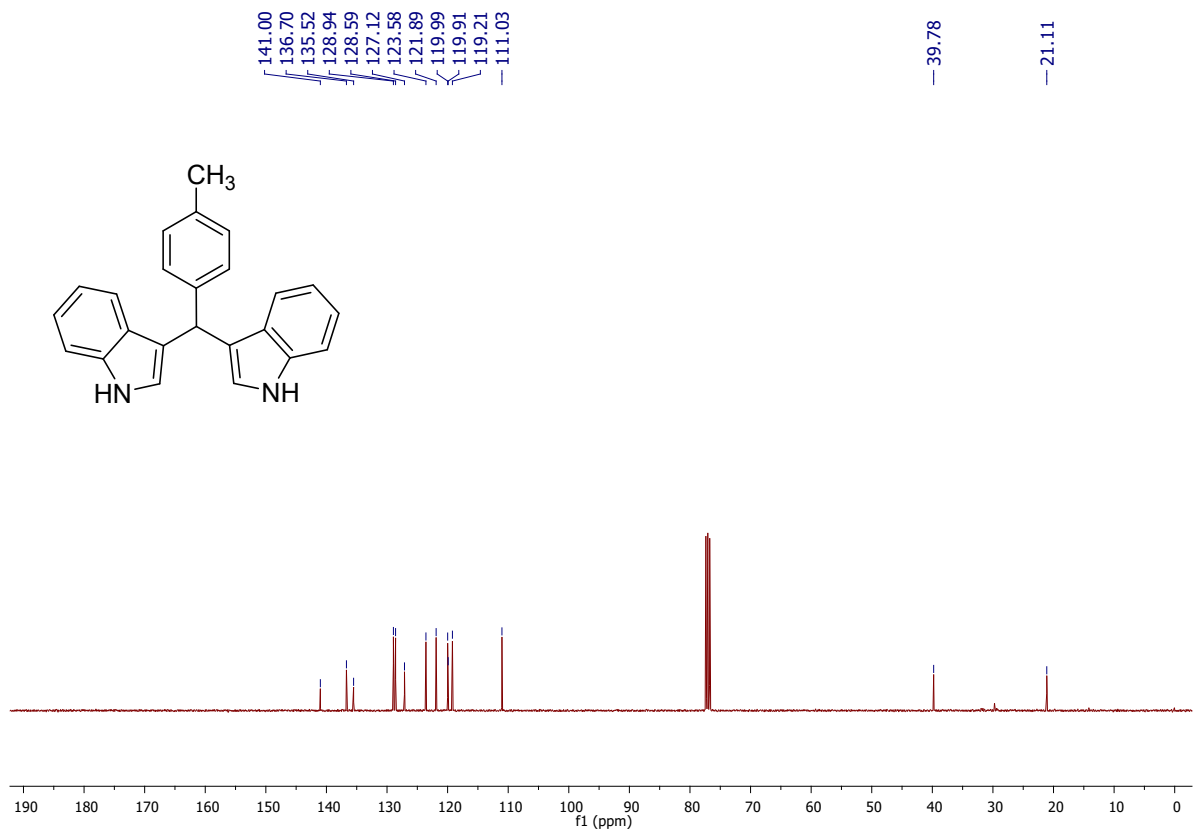
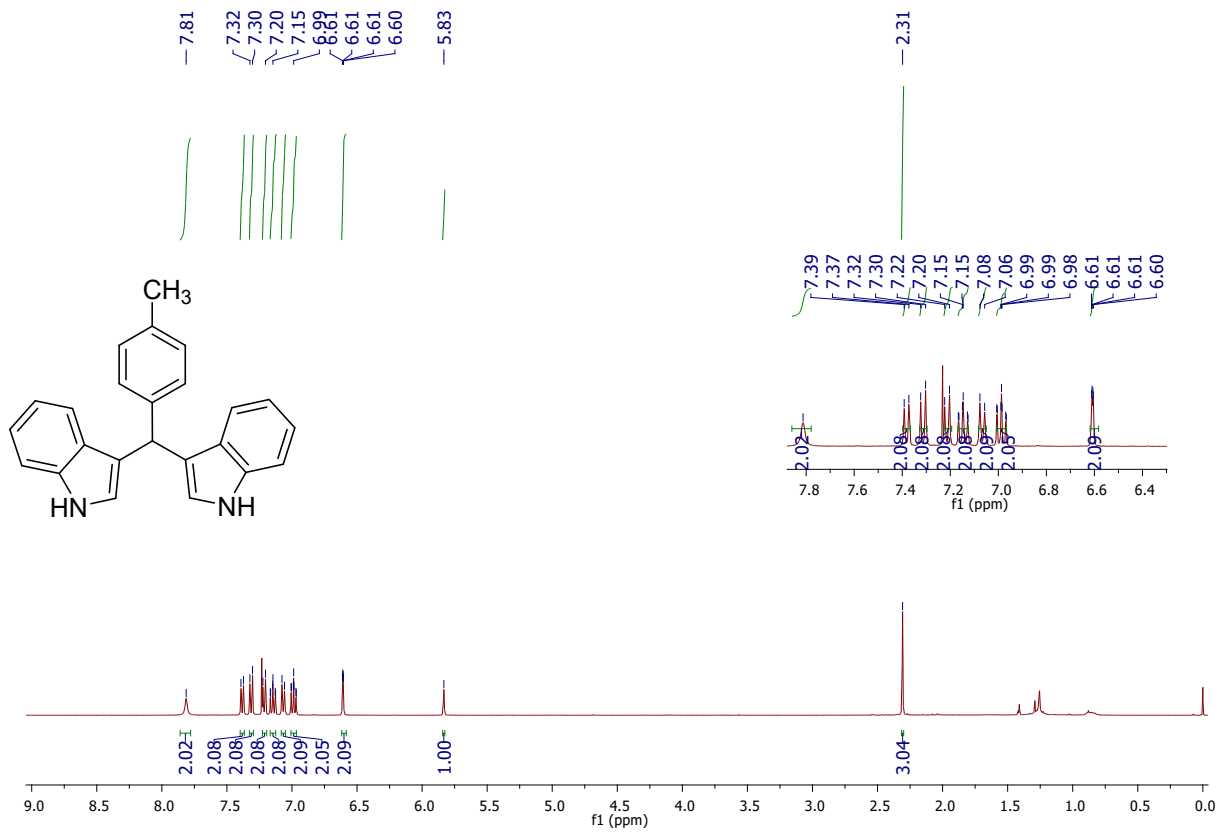
NMR Spectra

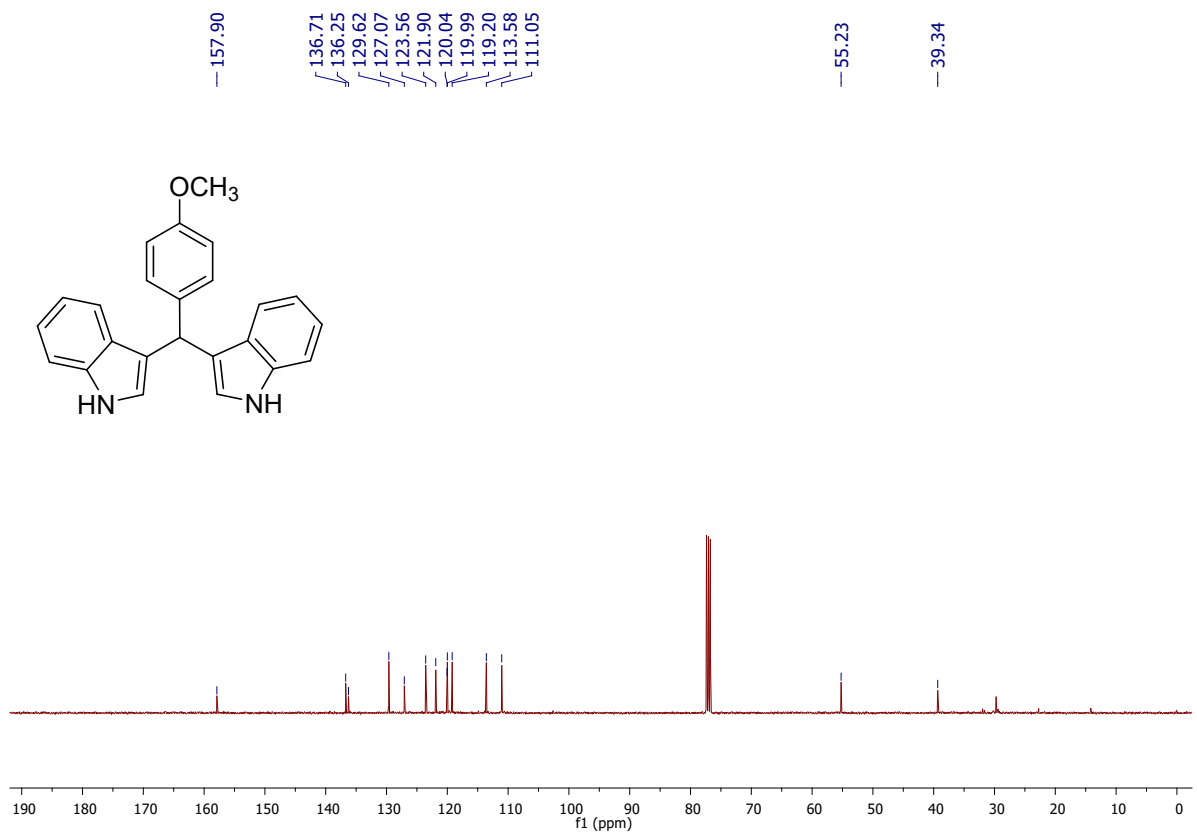
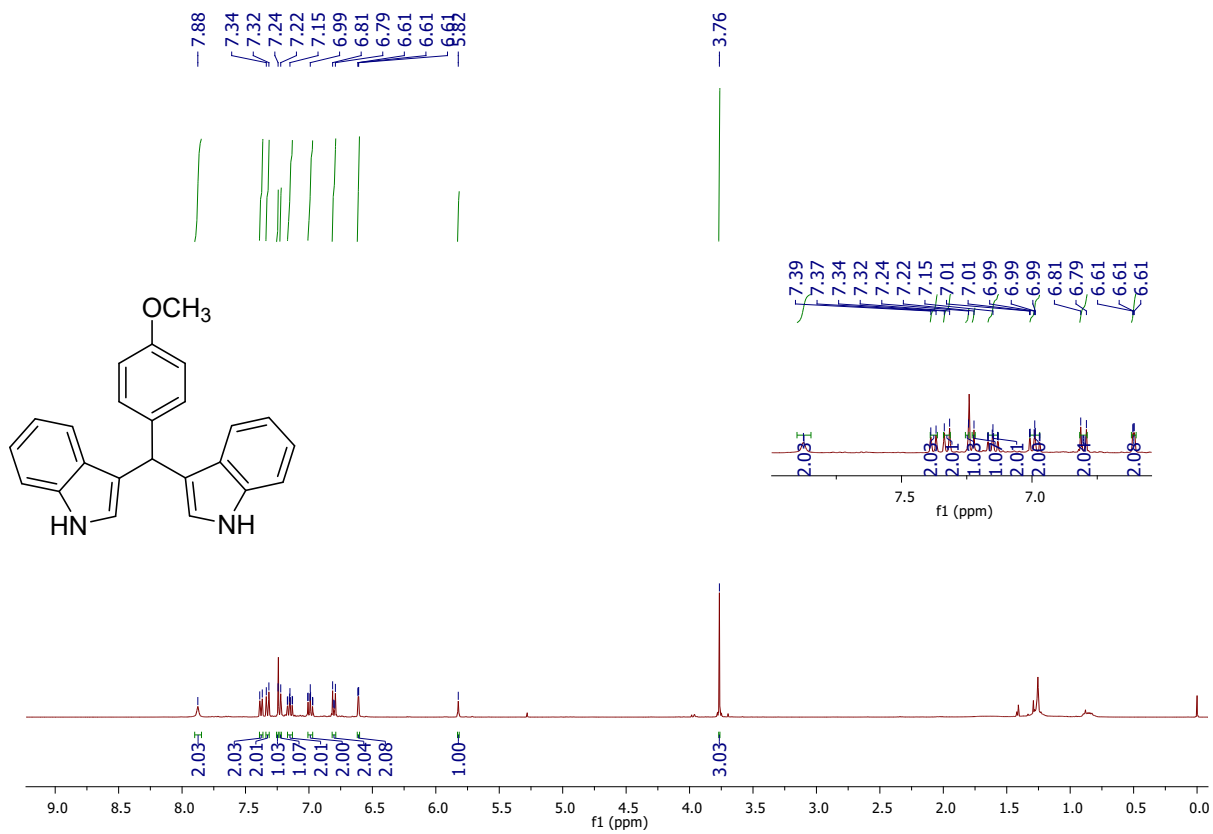


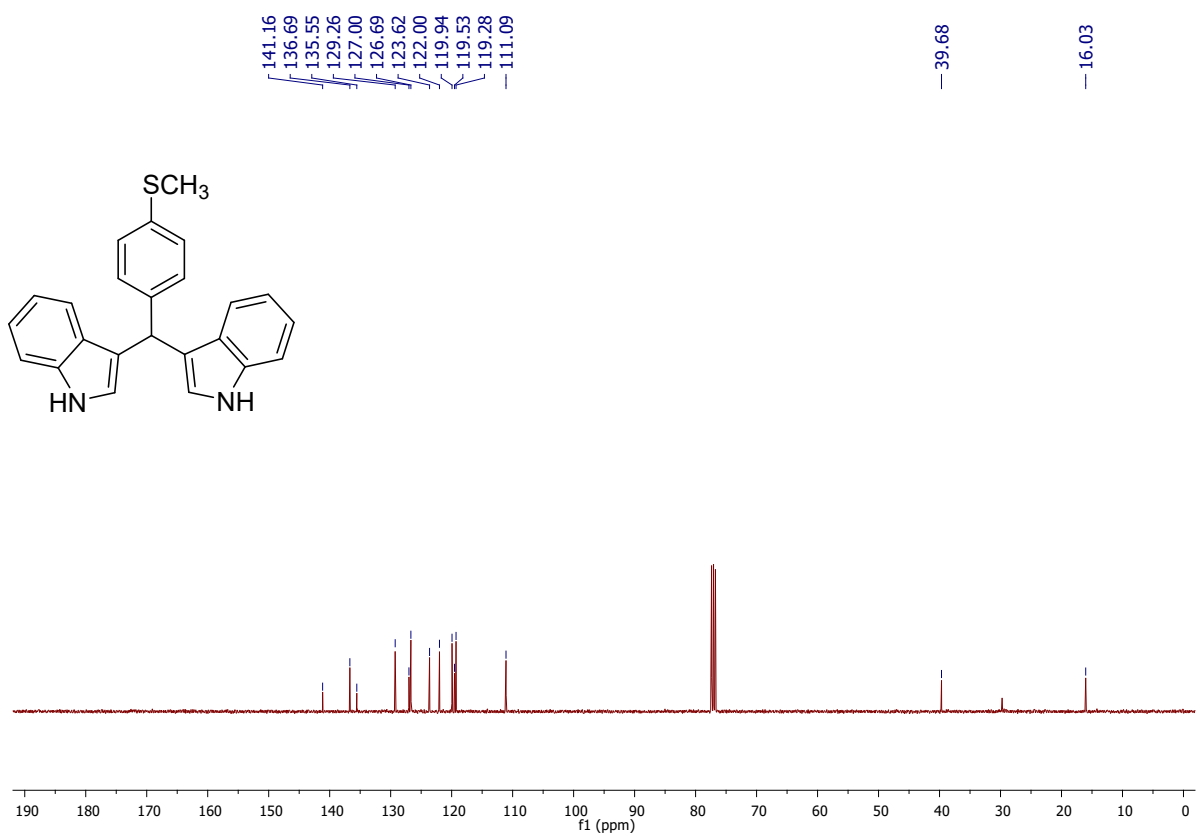
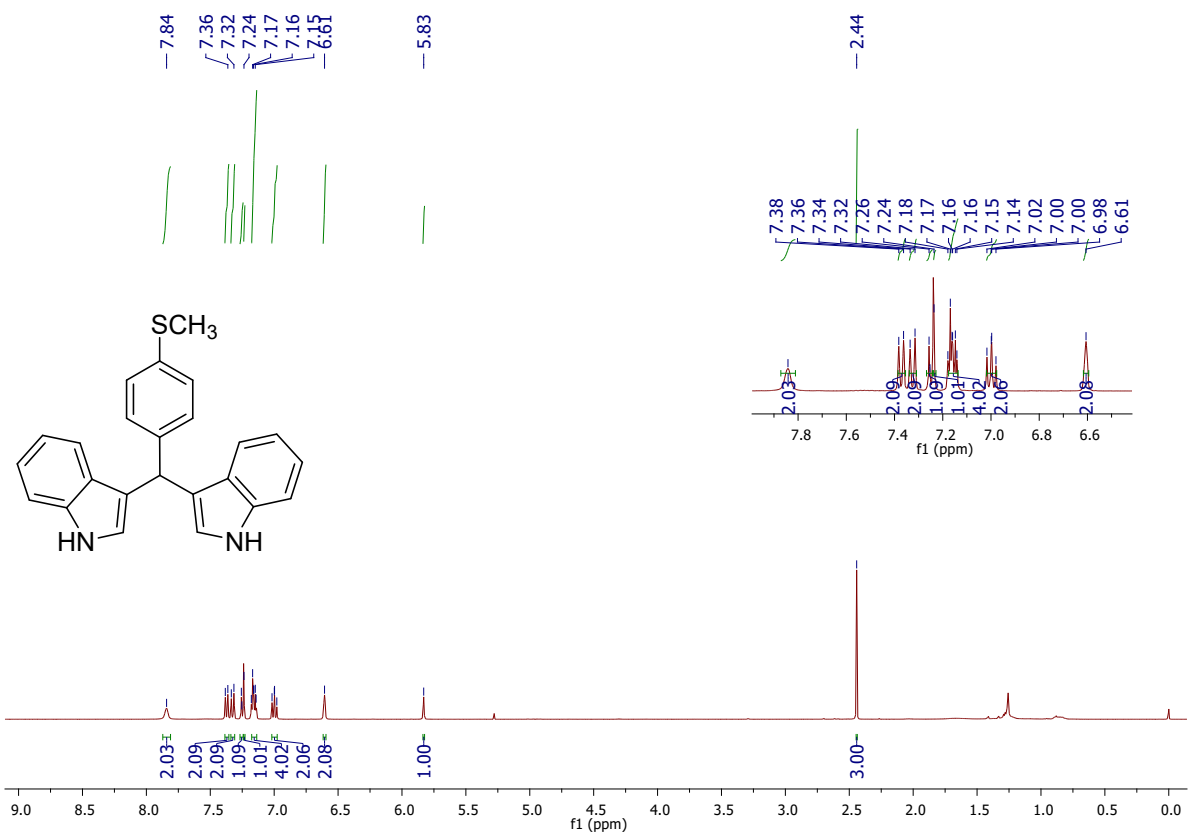


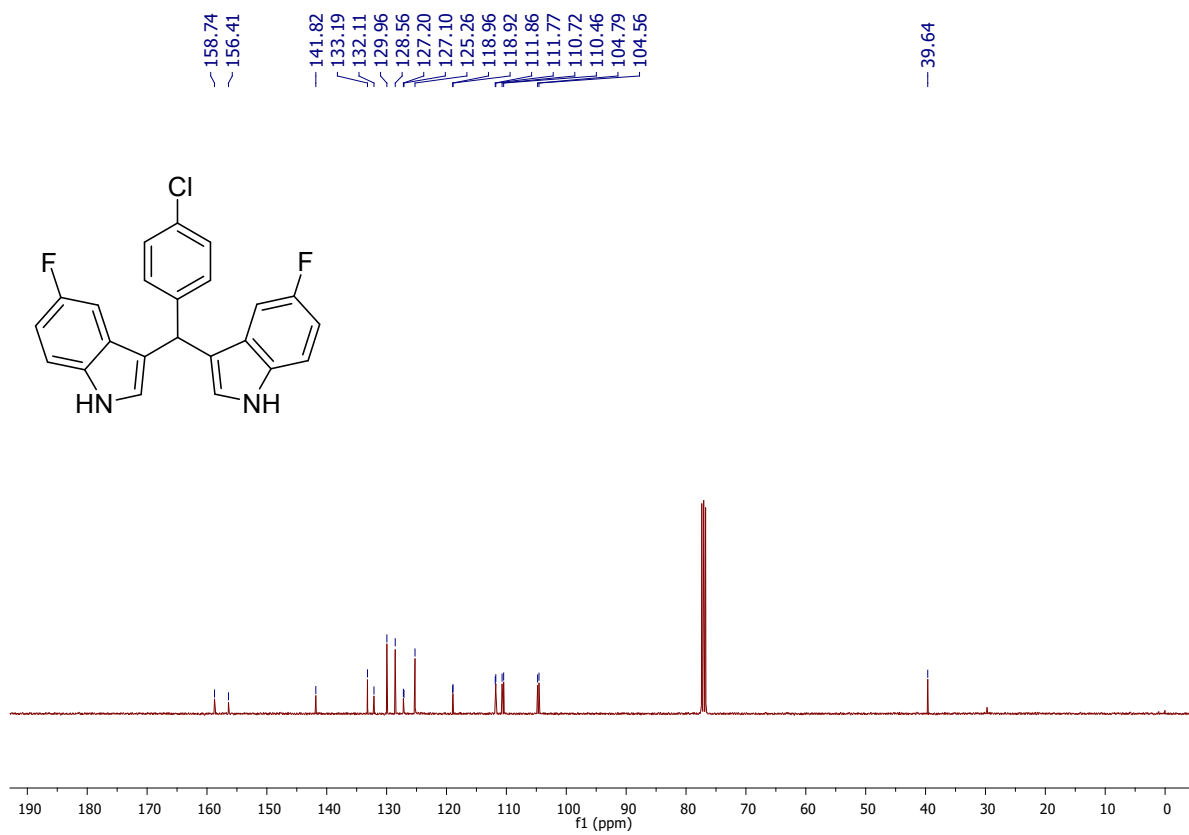
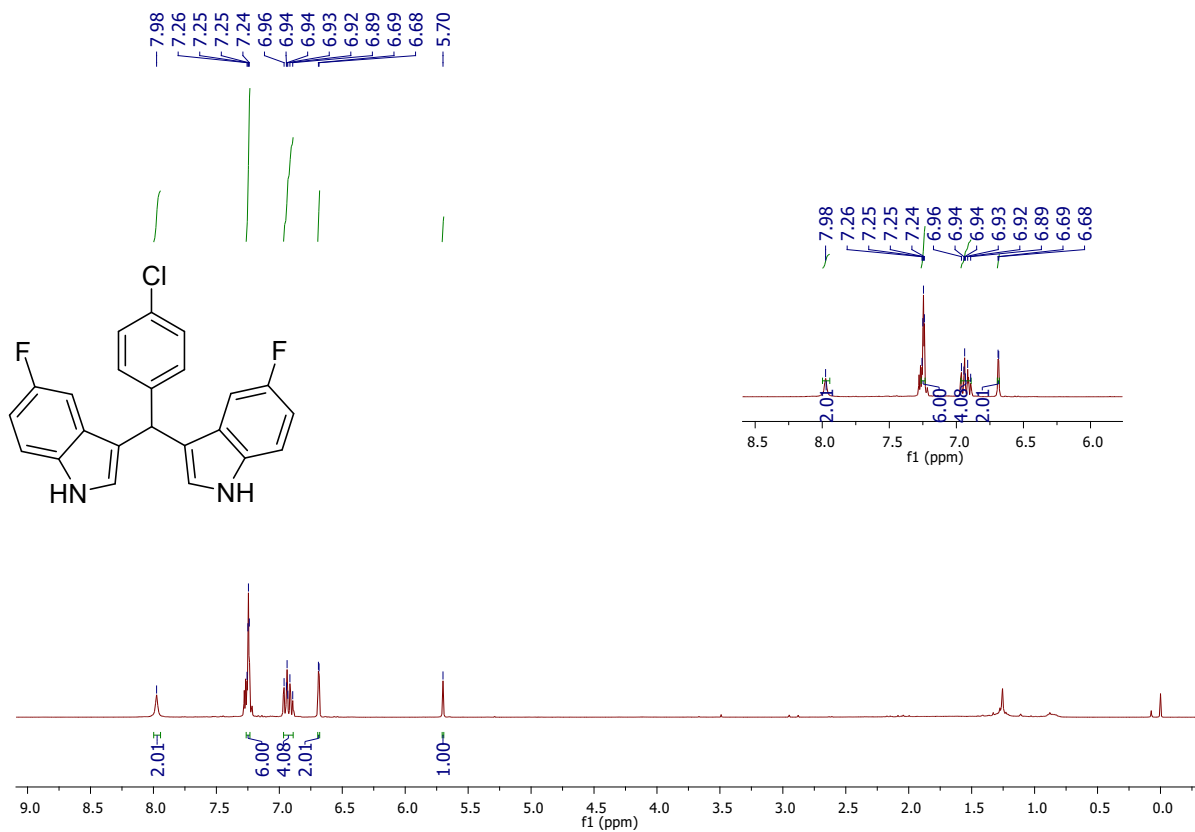


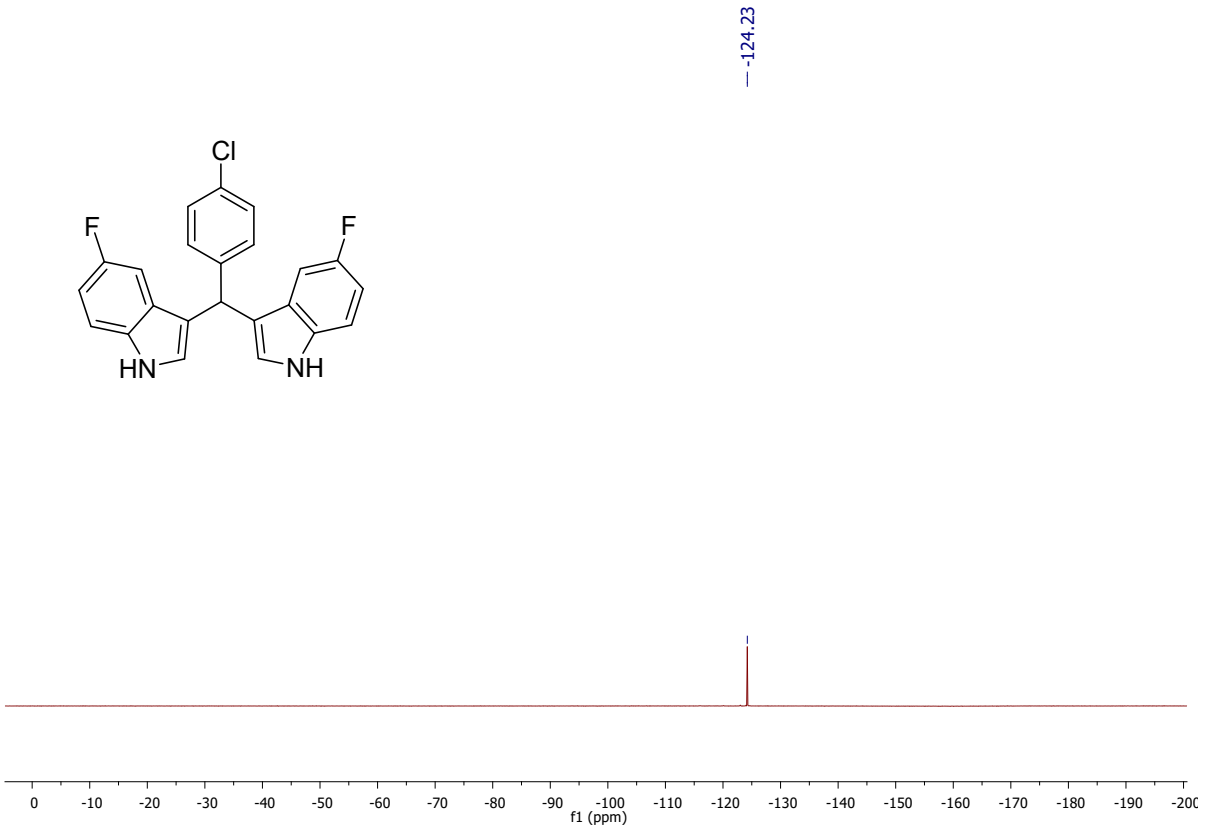


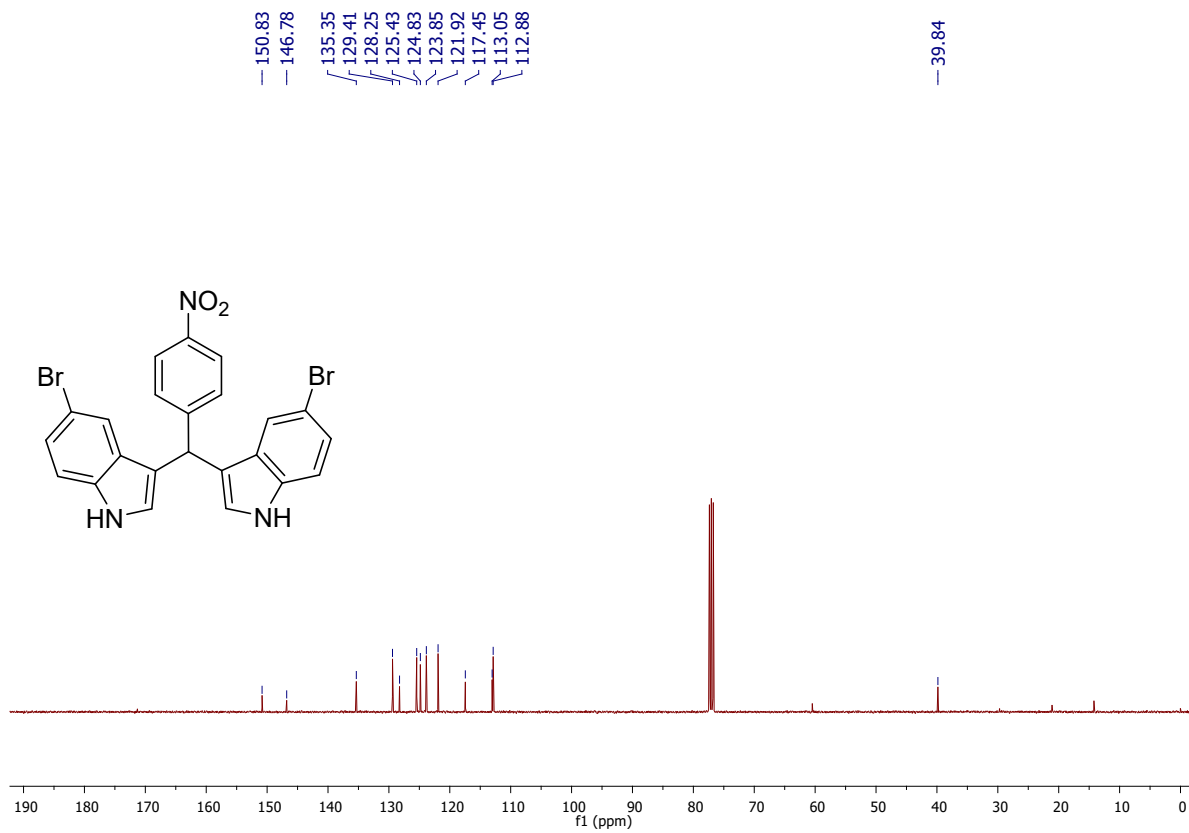
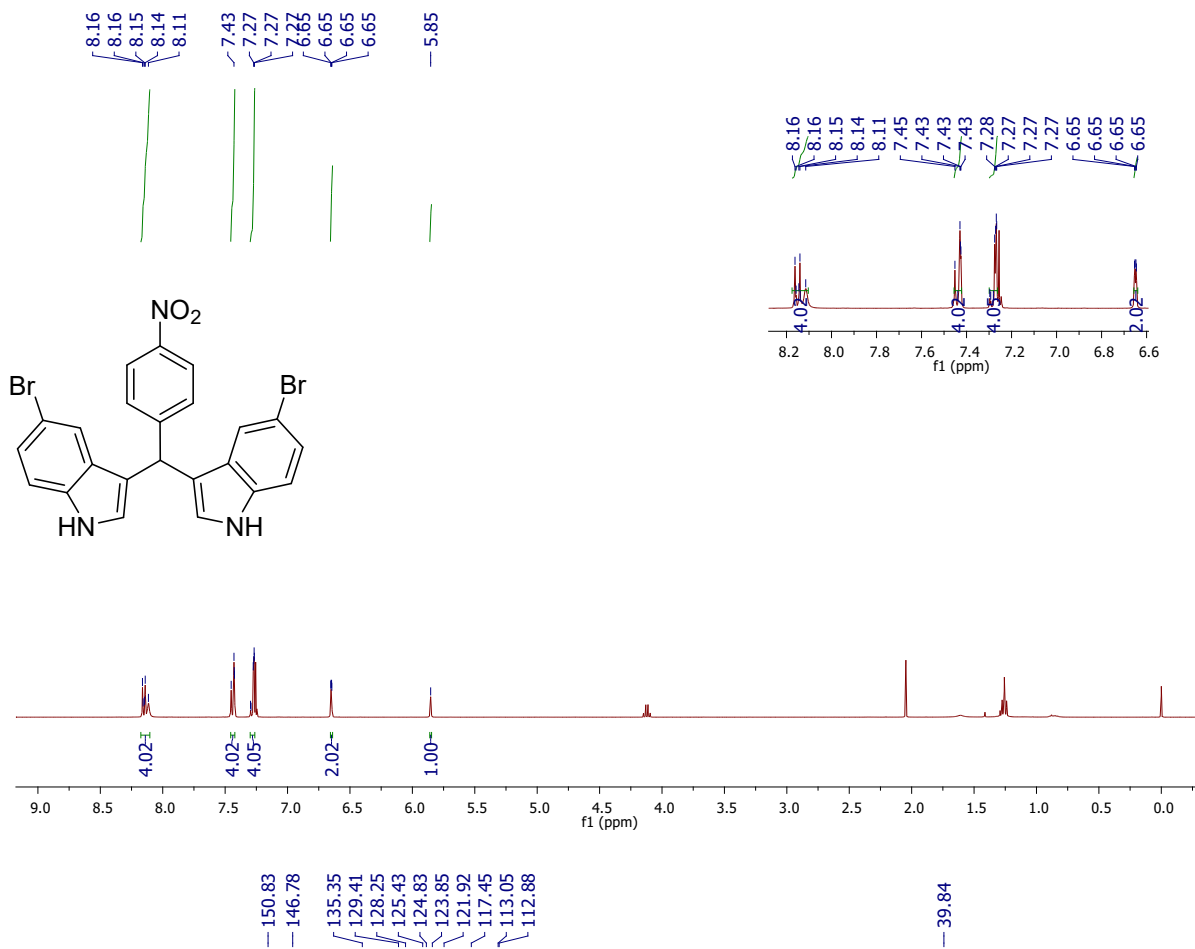


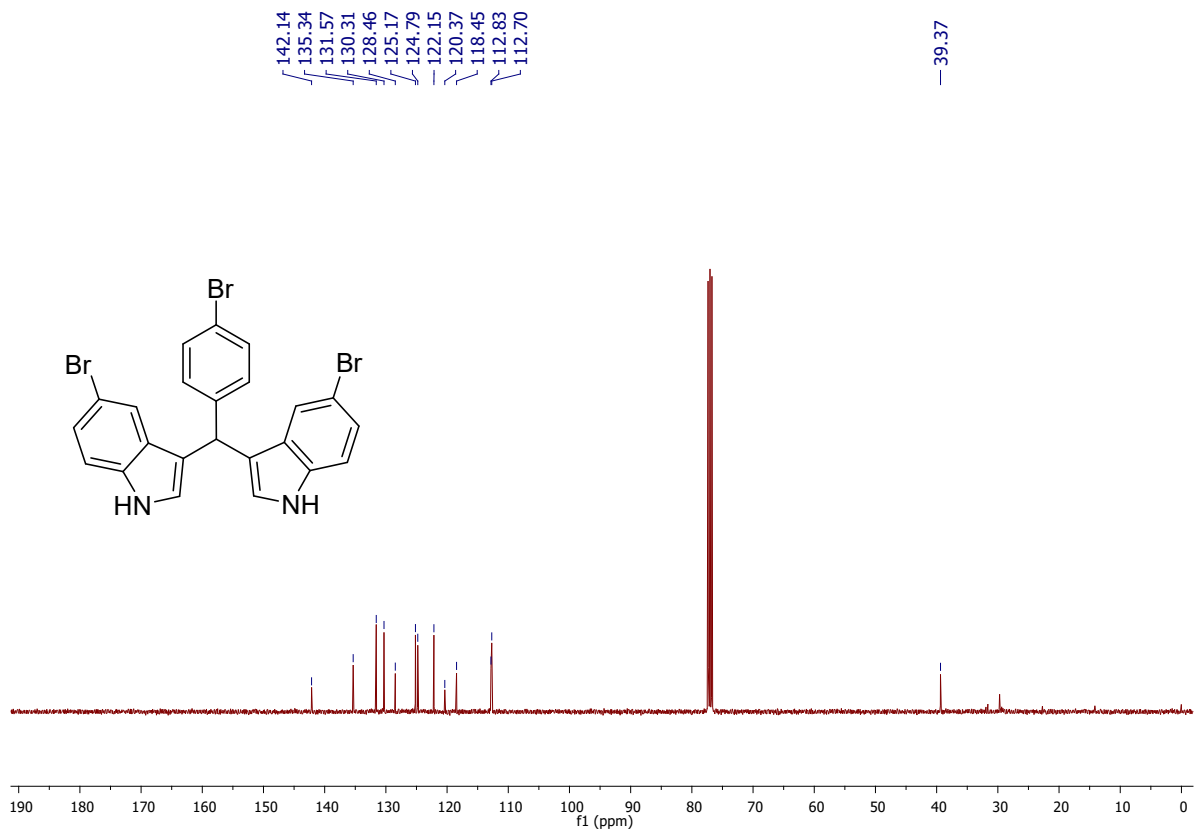
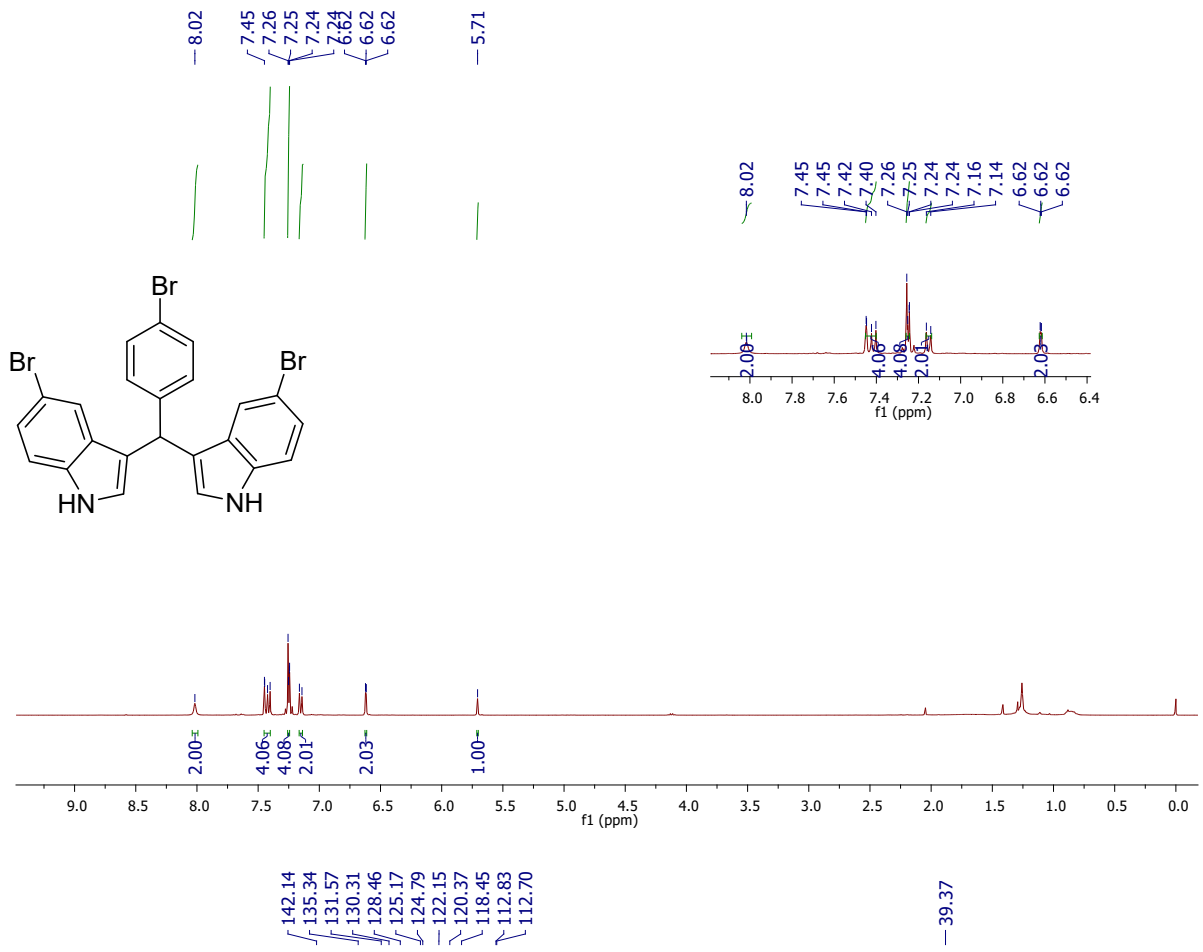


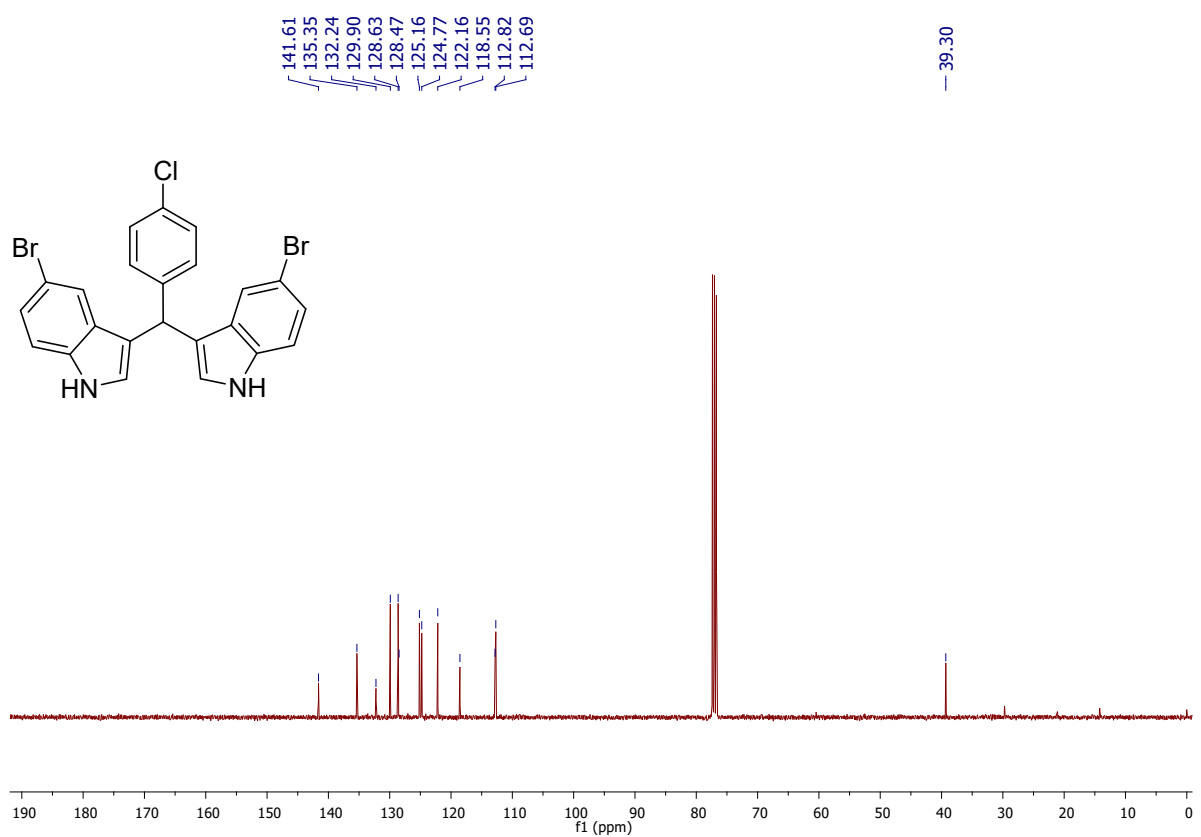
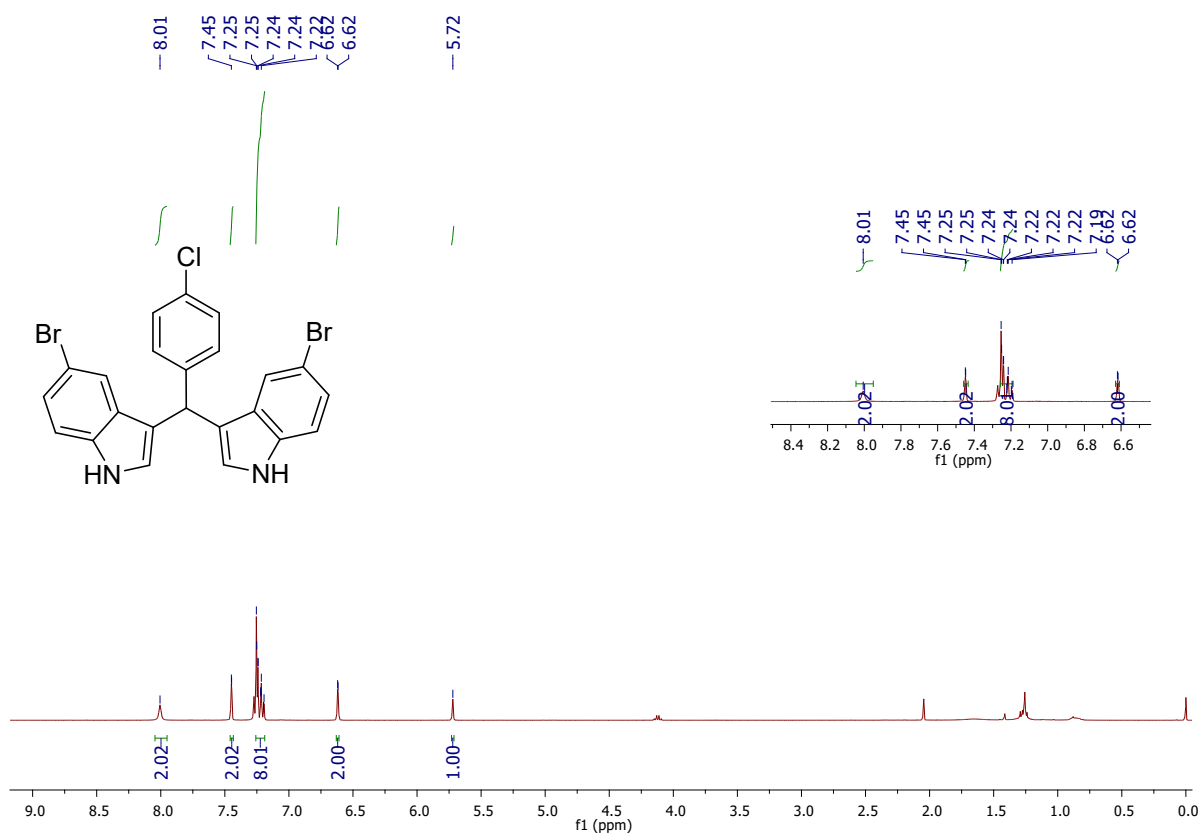


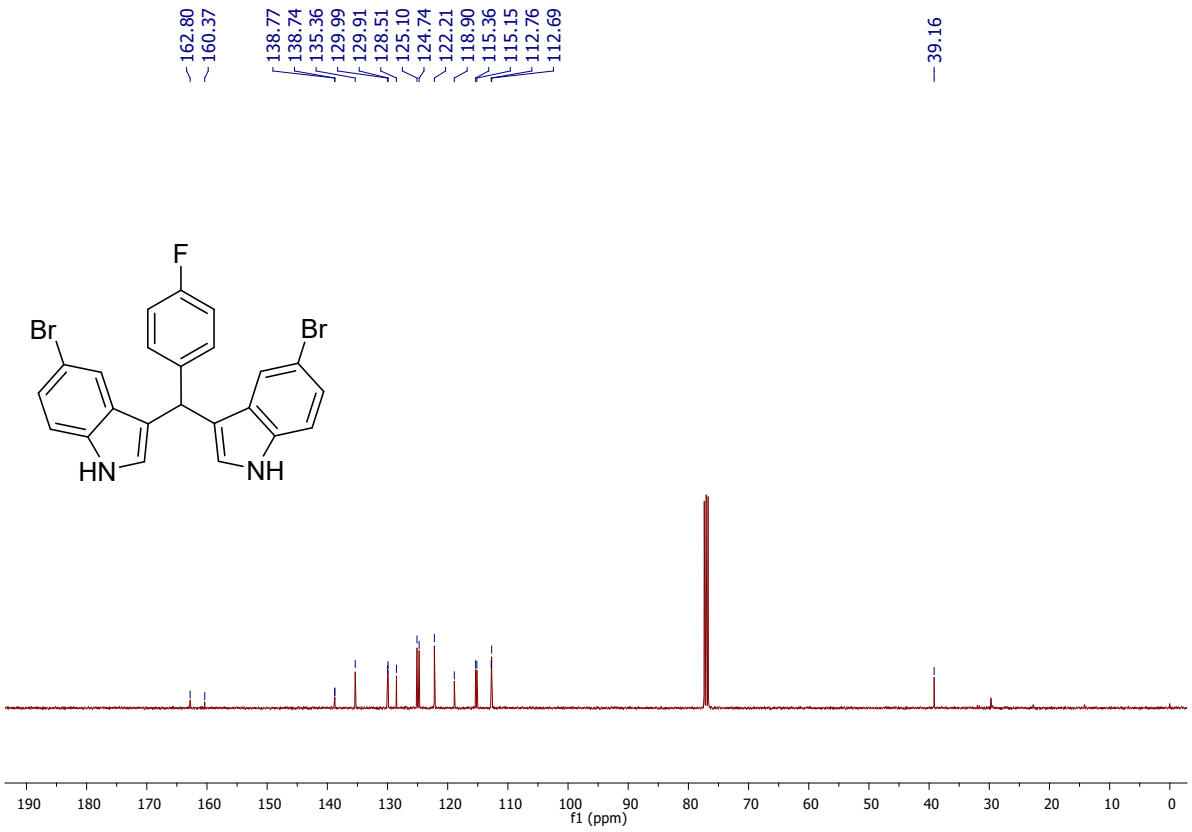
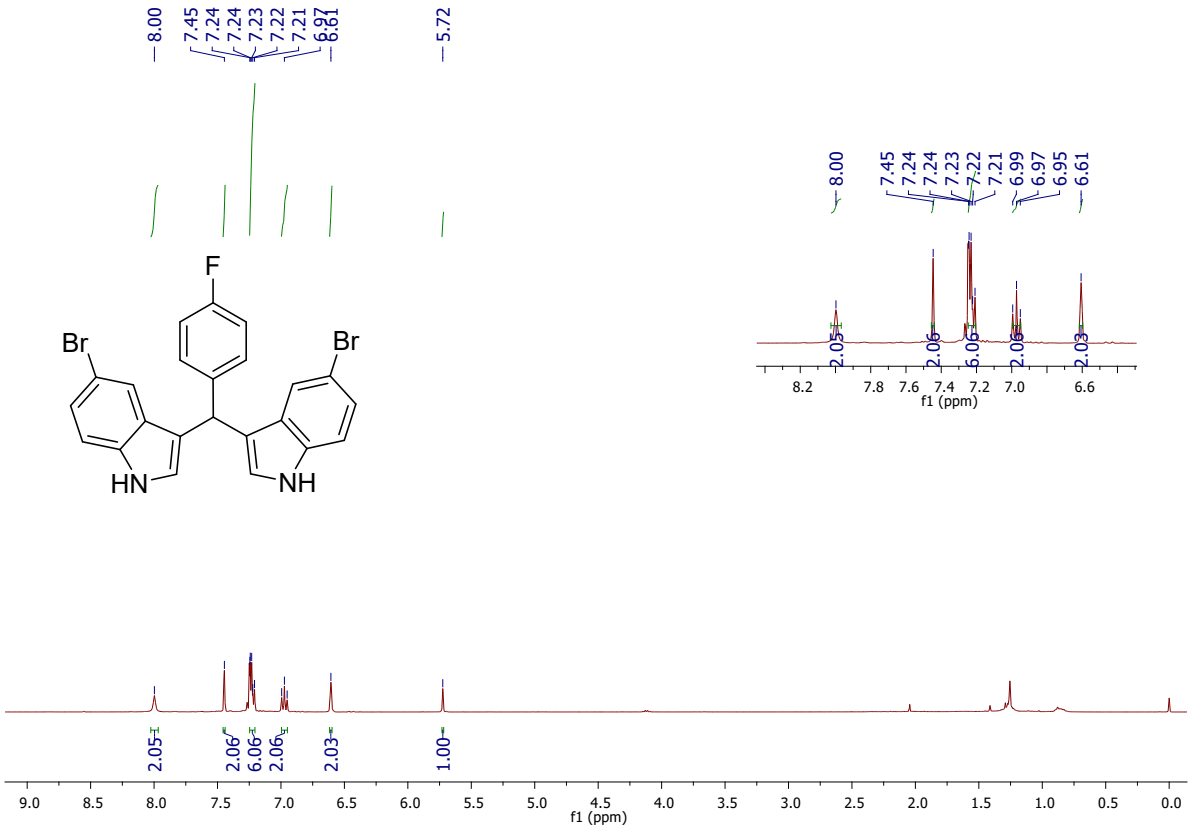


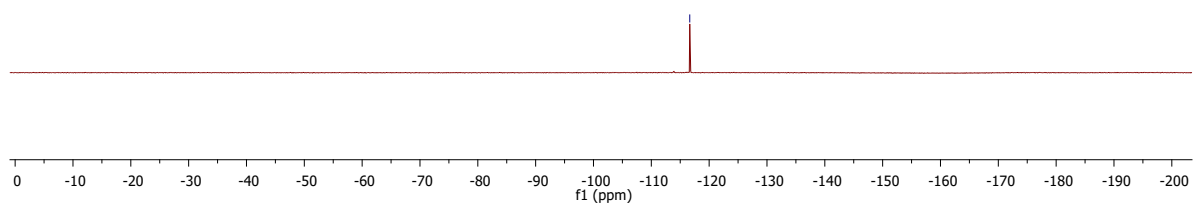
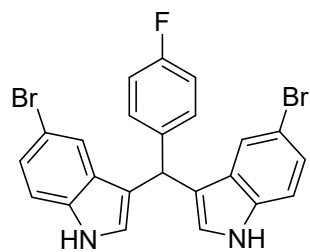




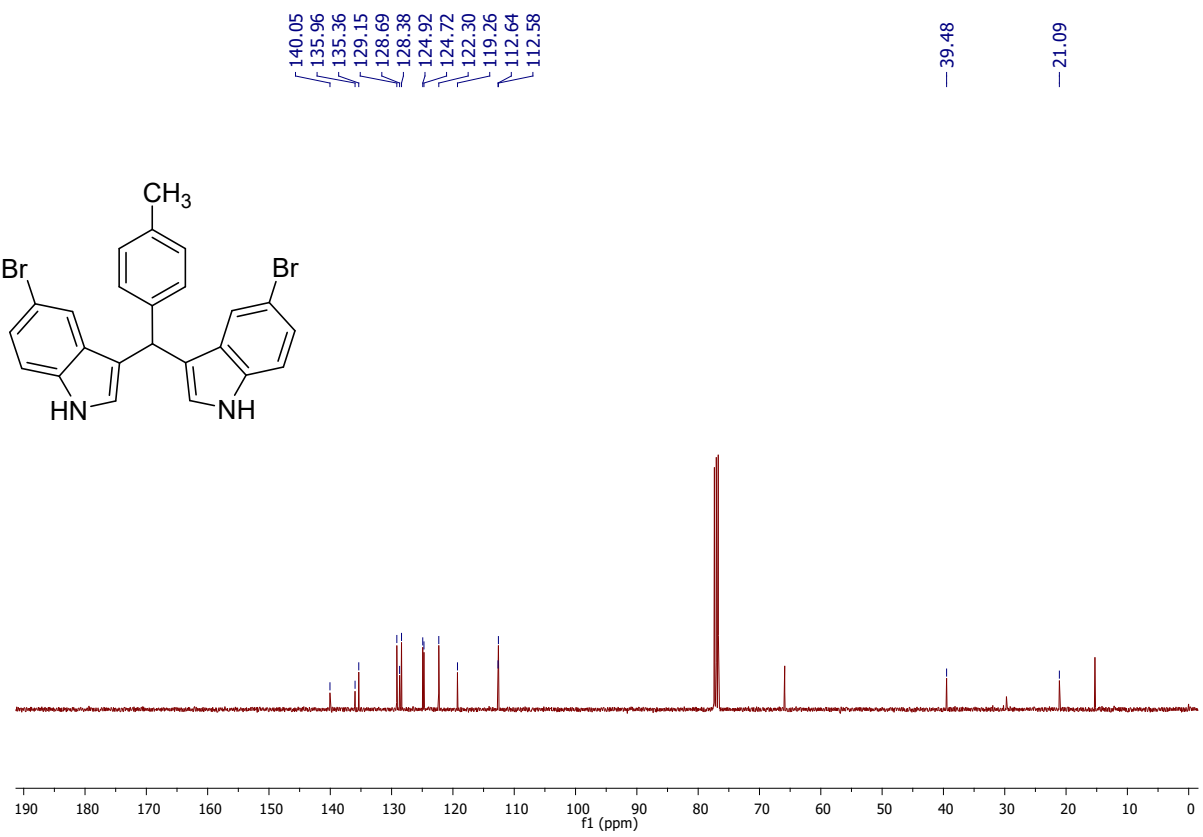
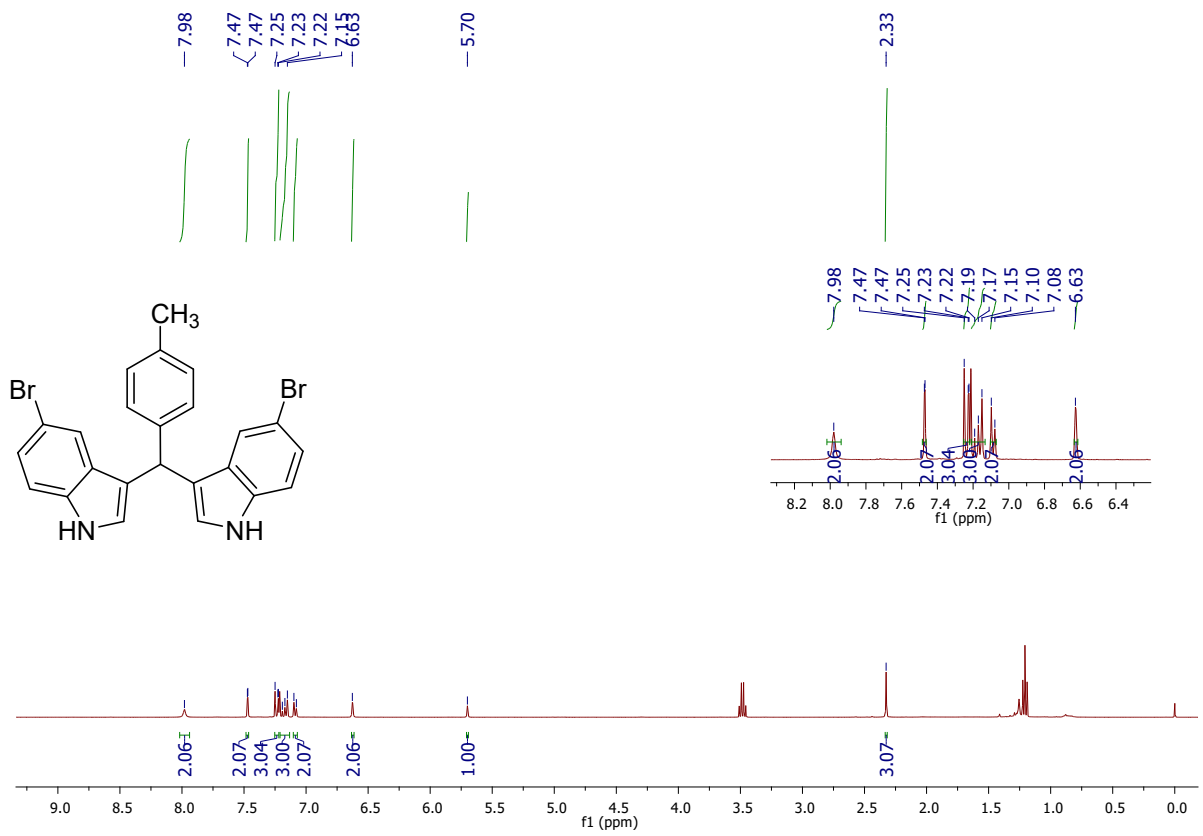


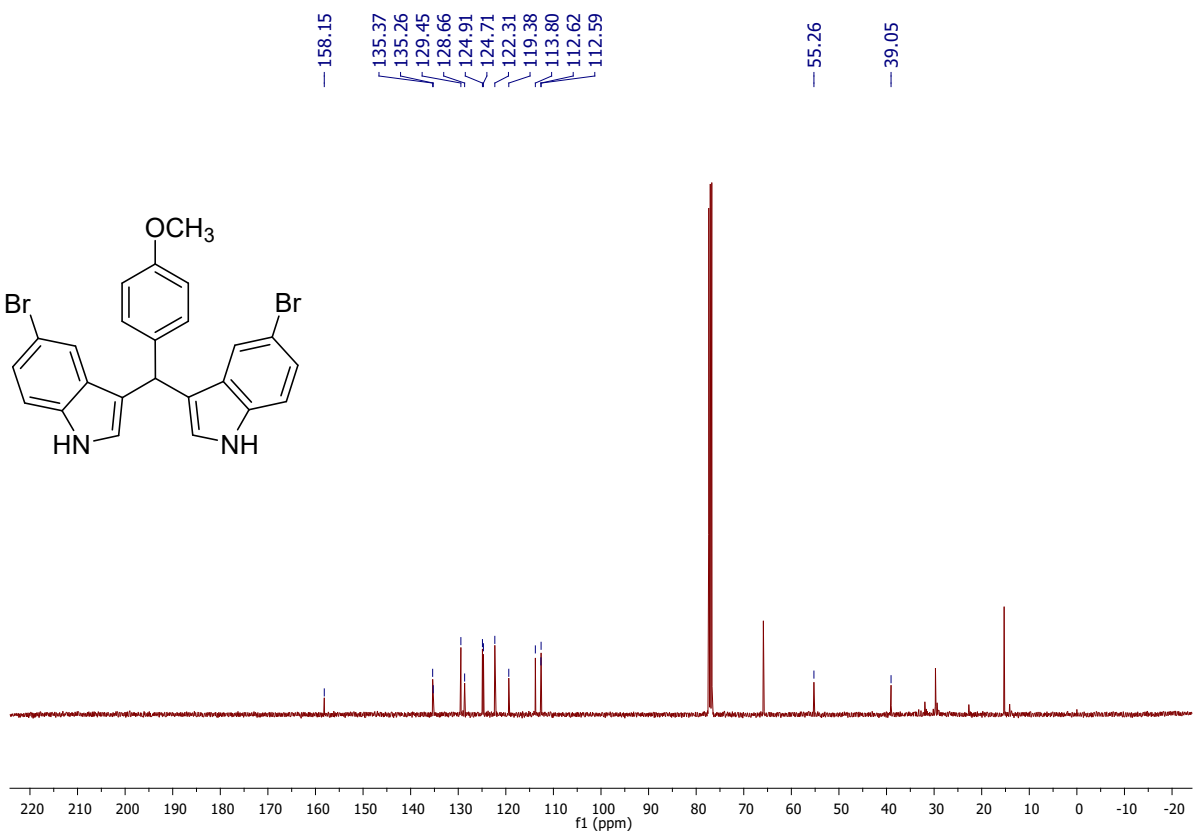
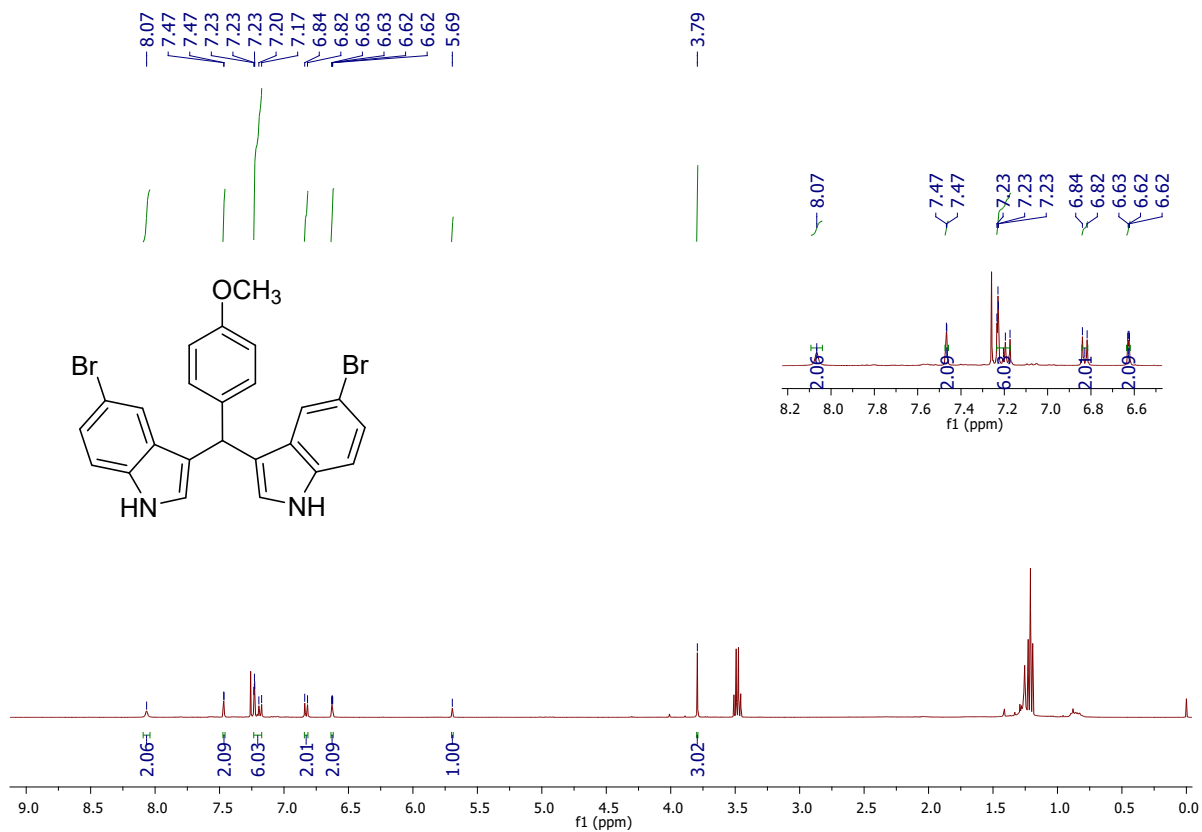


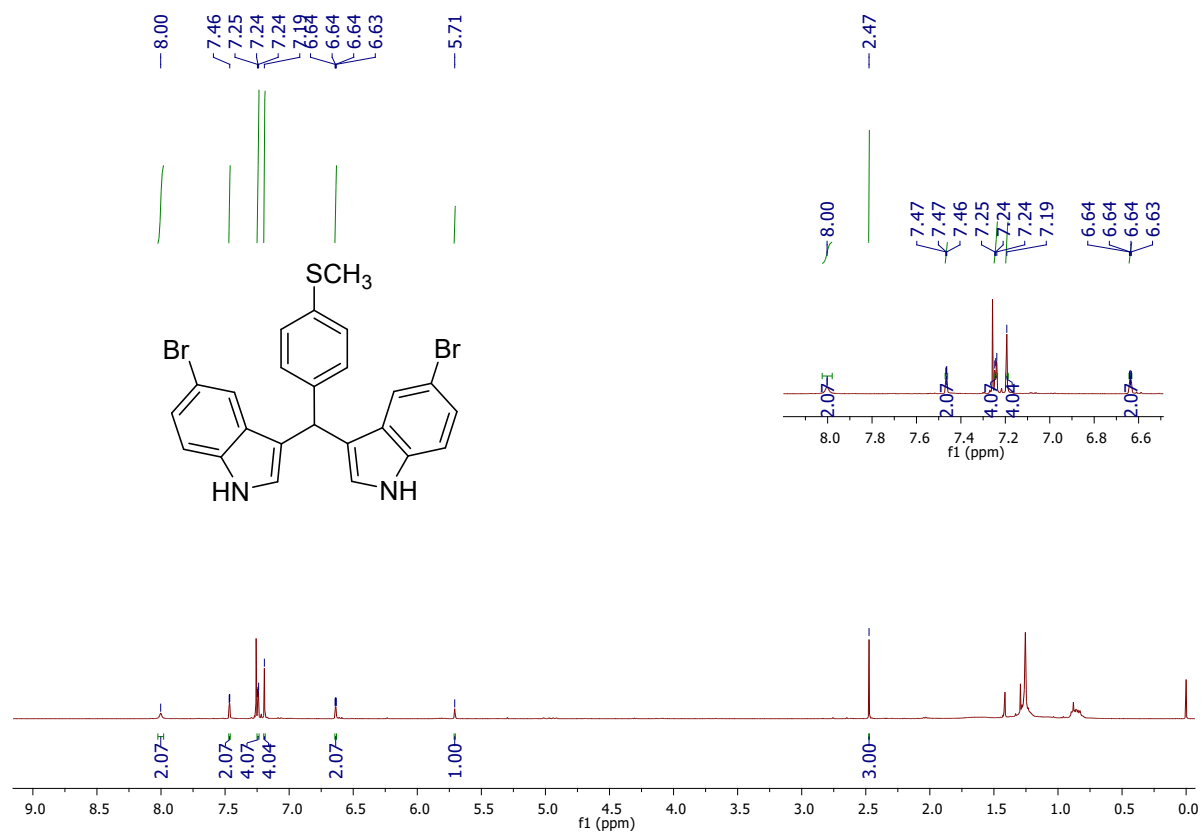
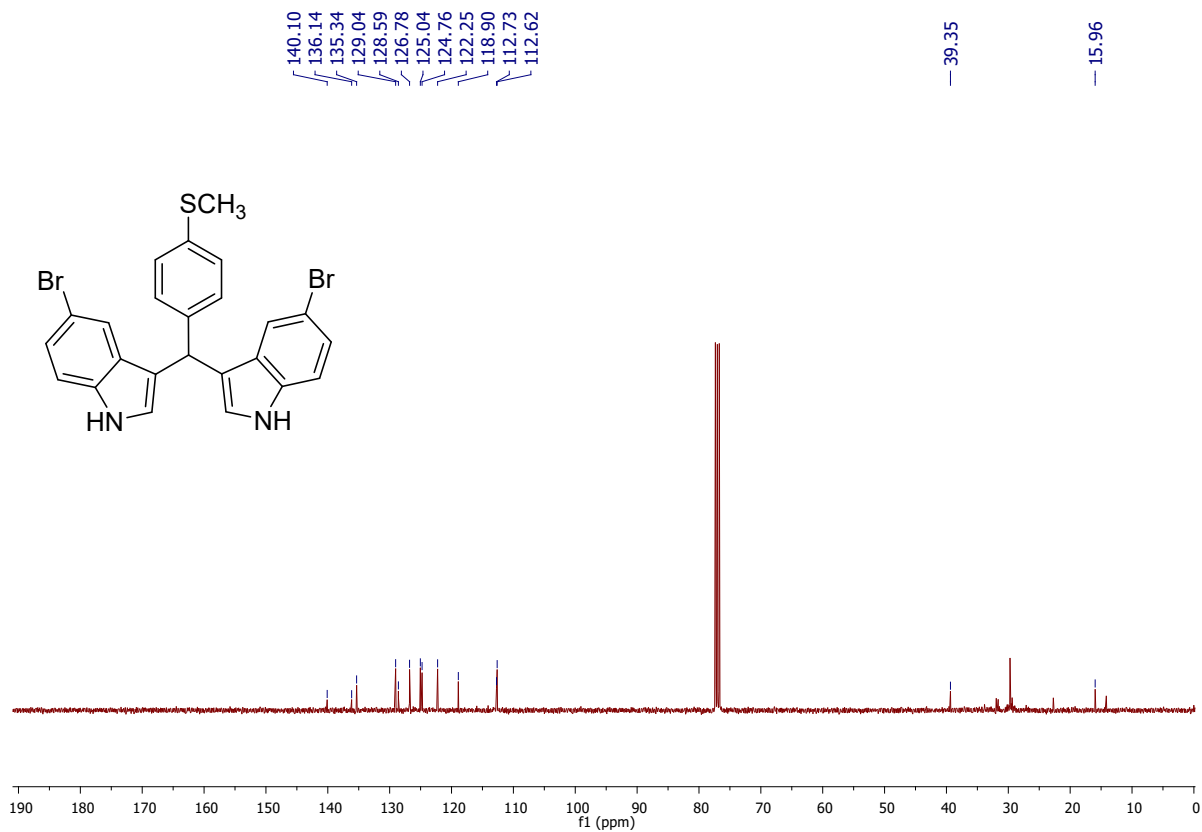


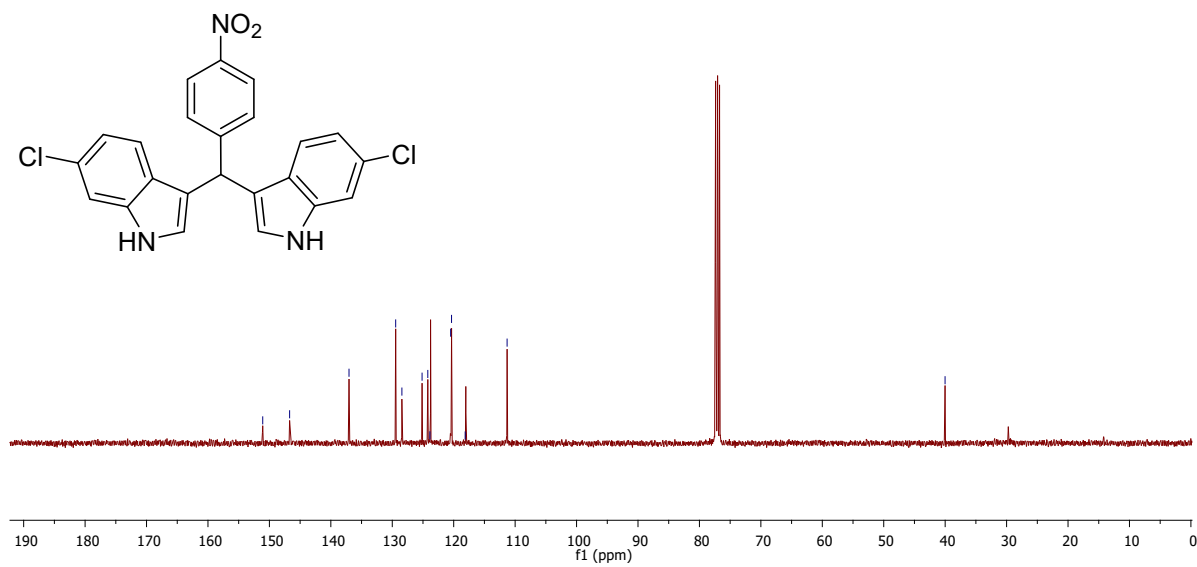
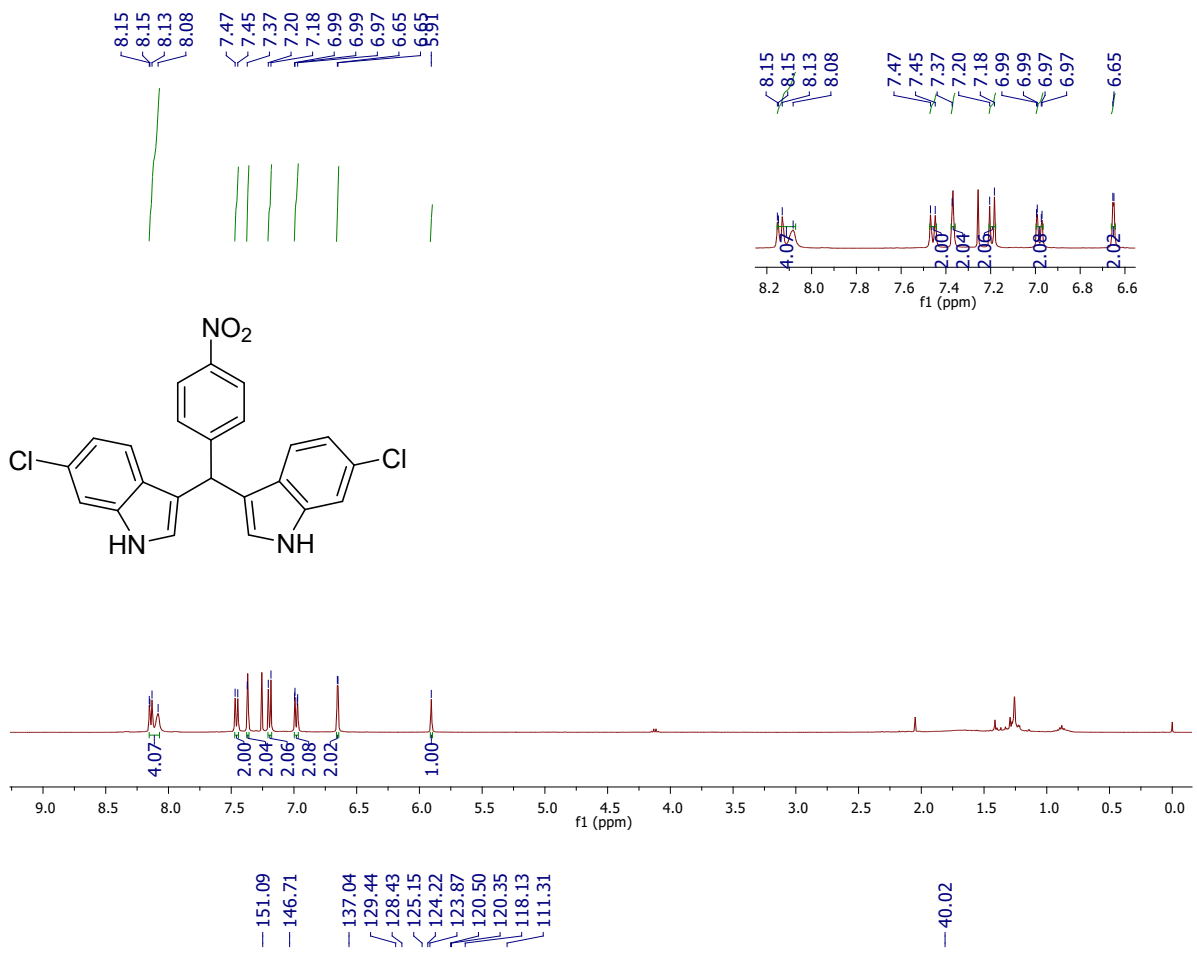


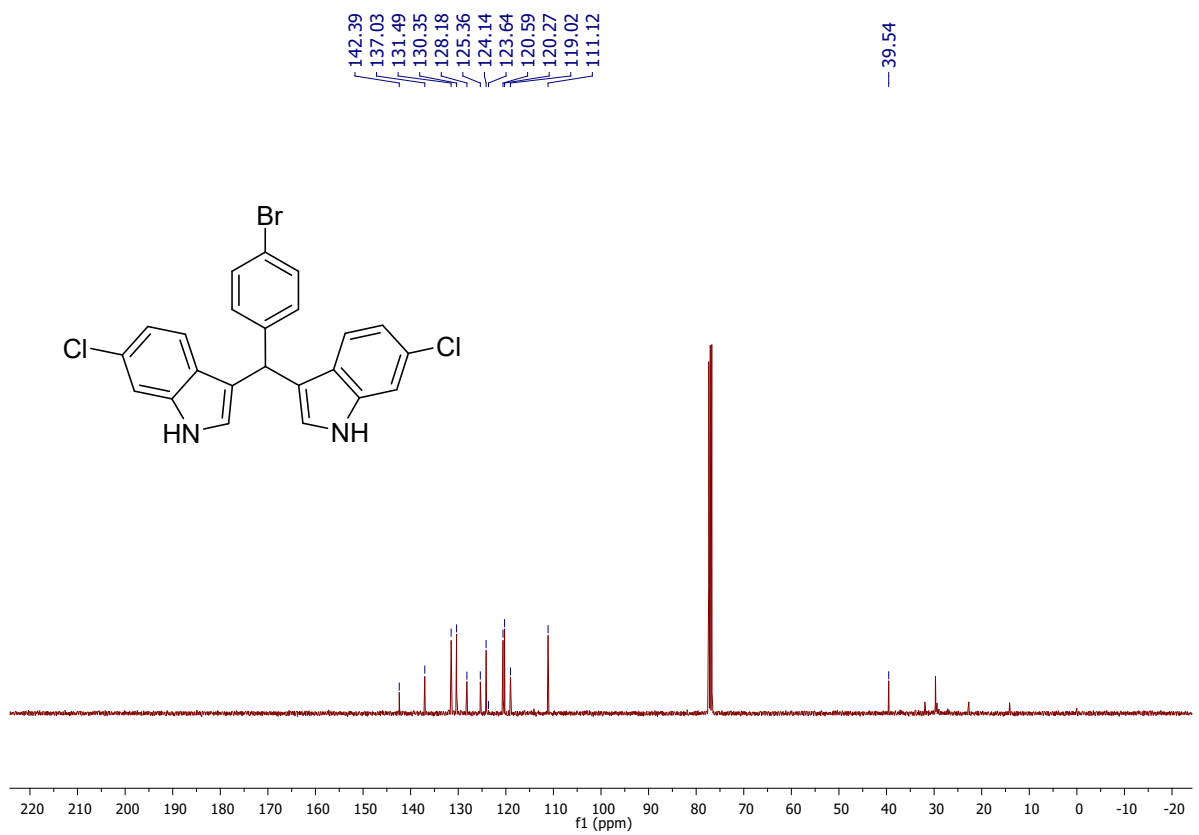
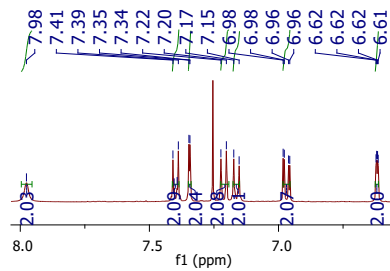
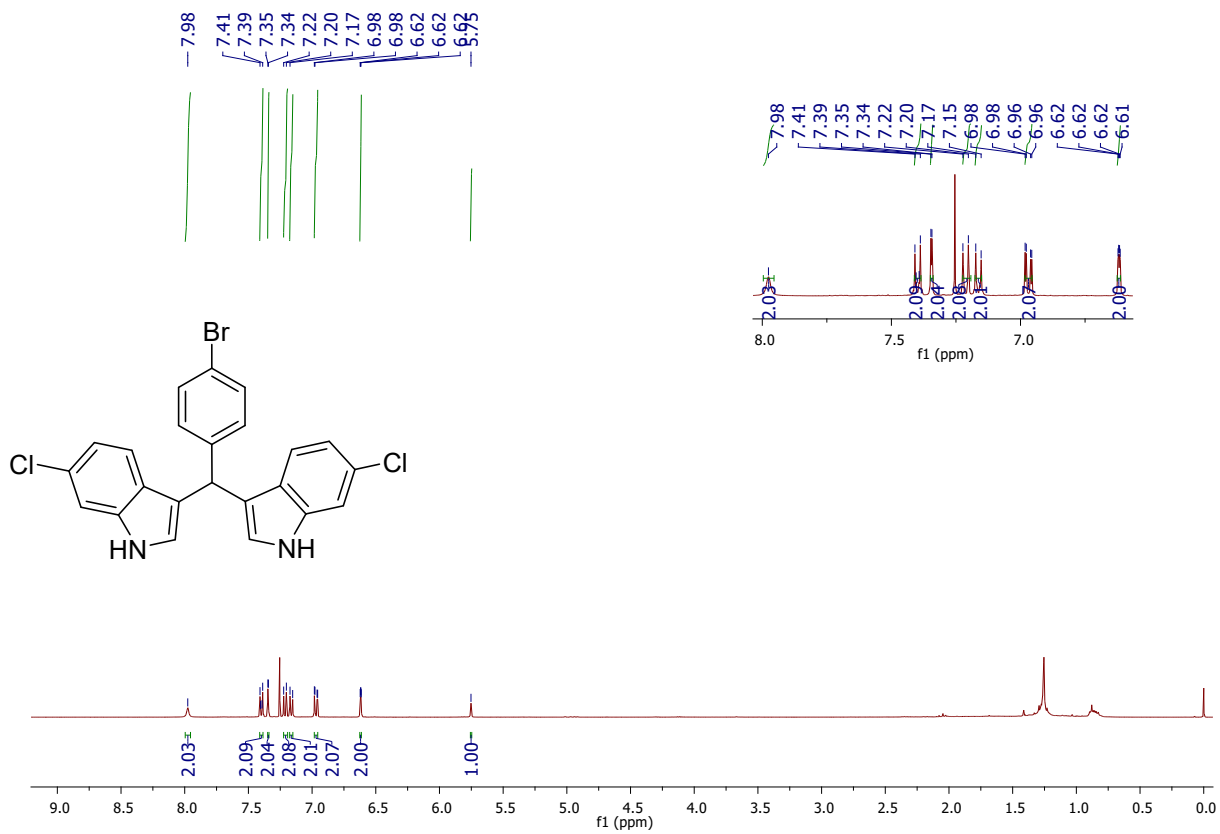
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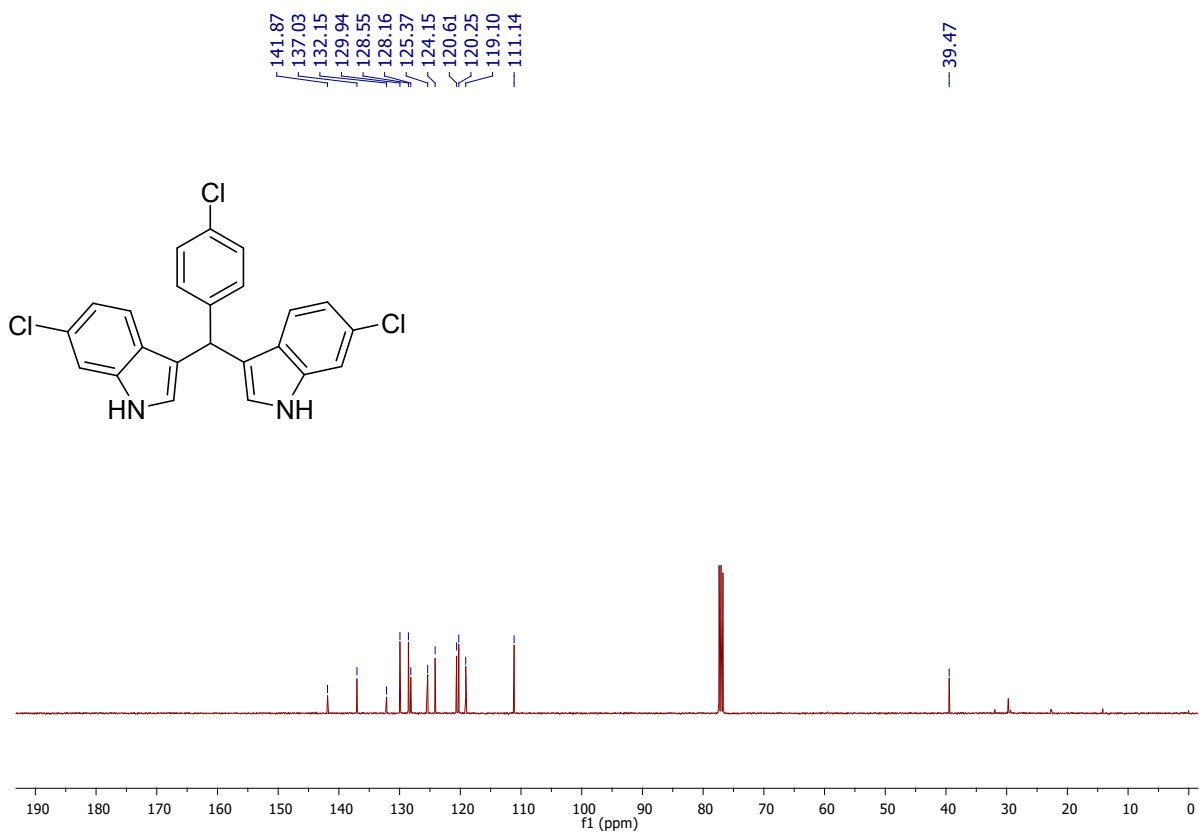
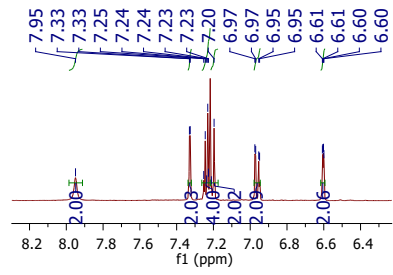
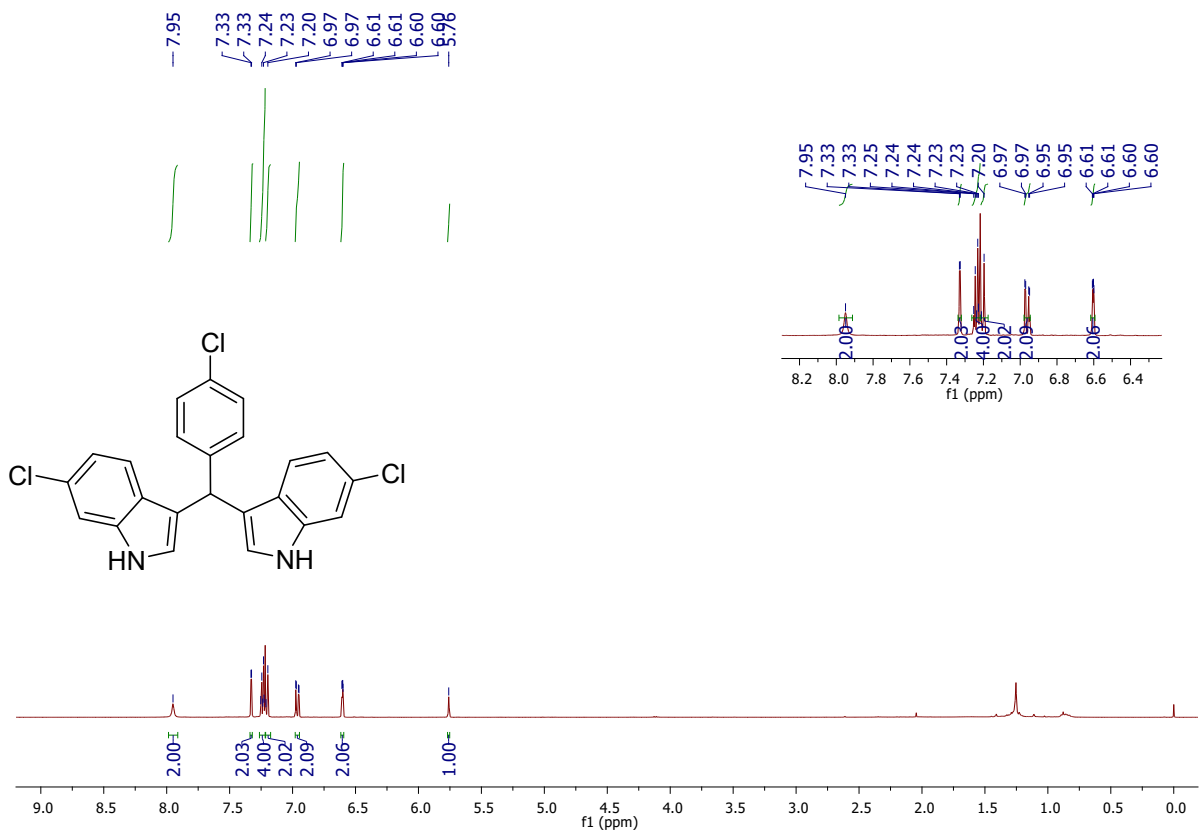


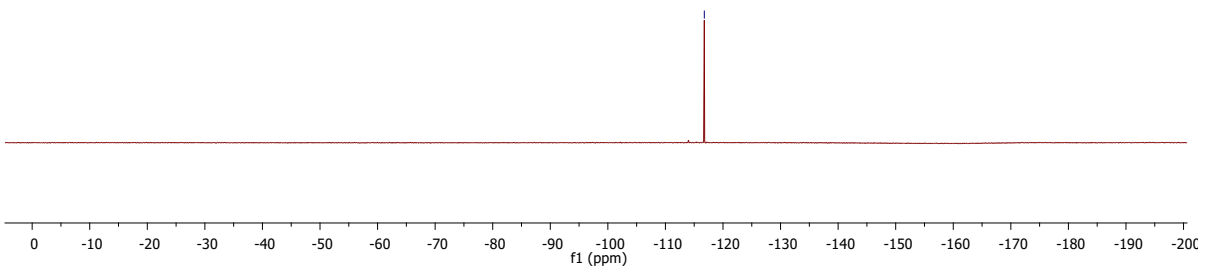
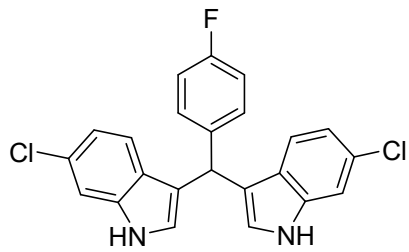


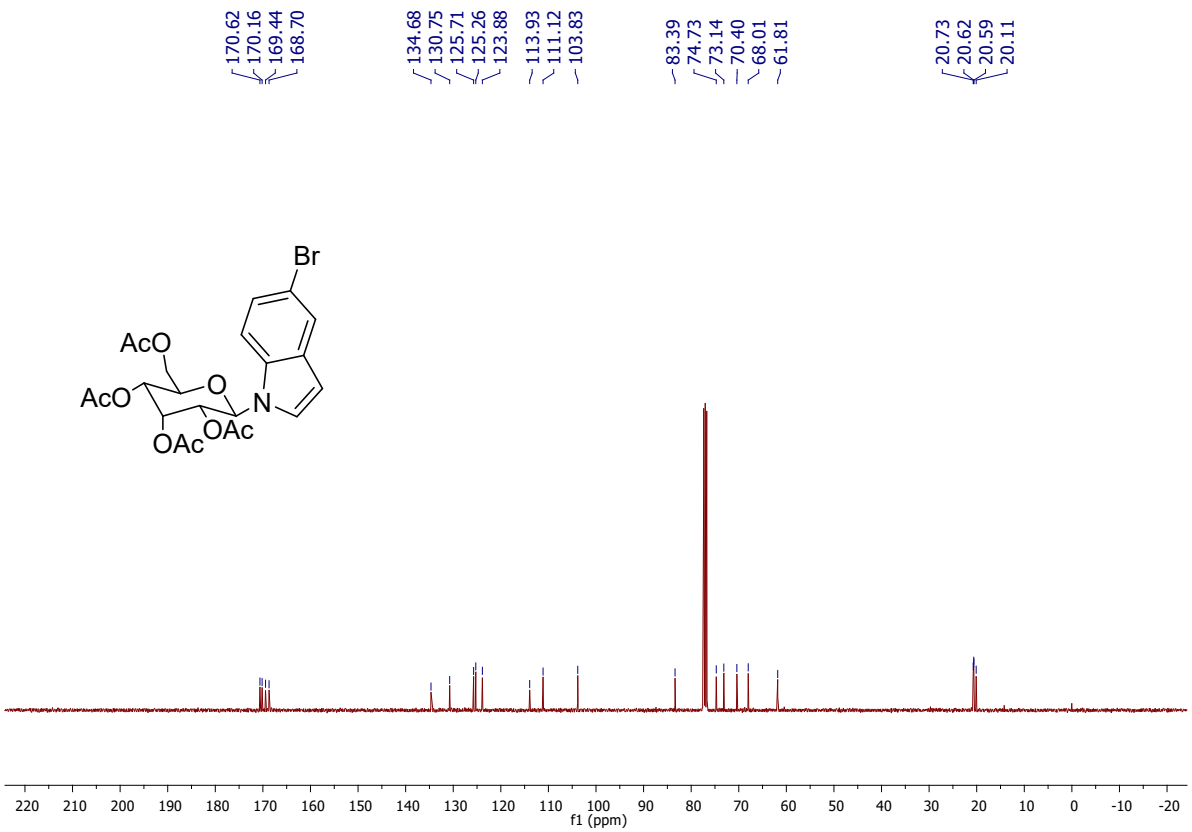
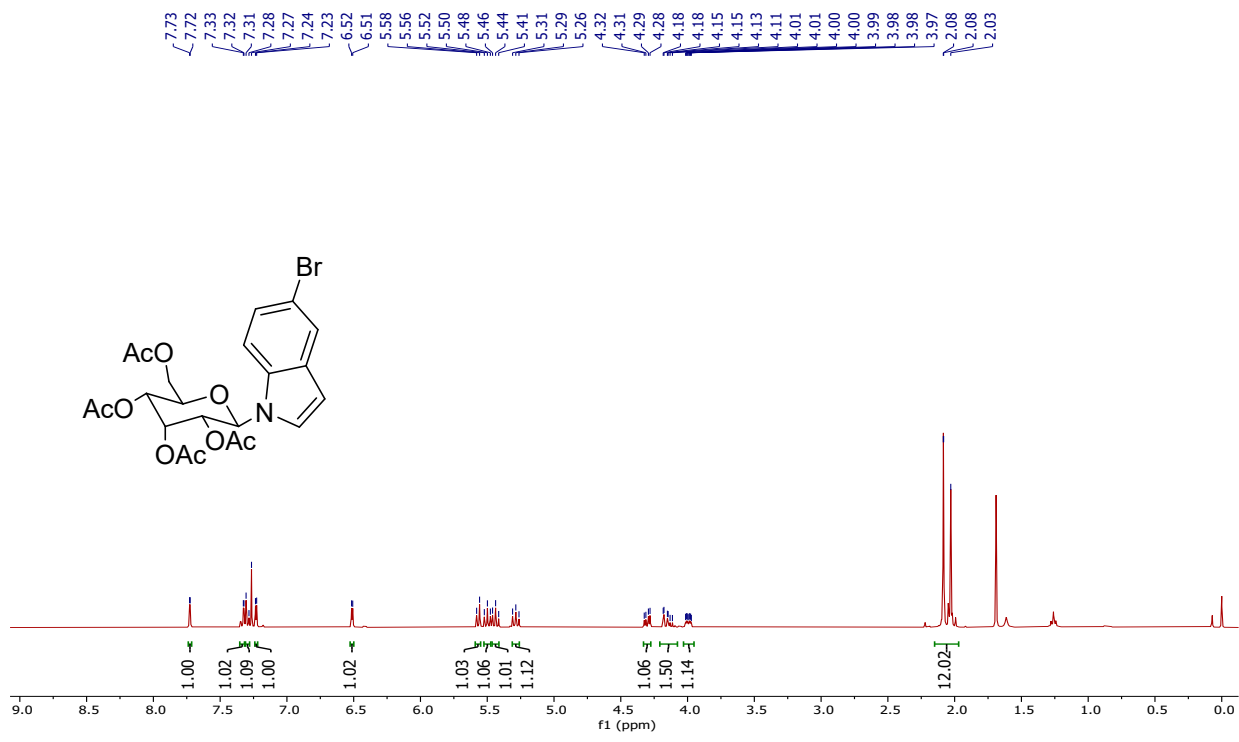


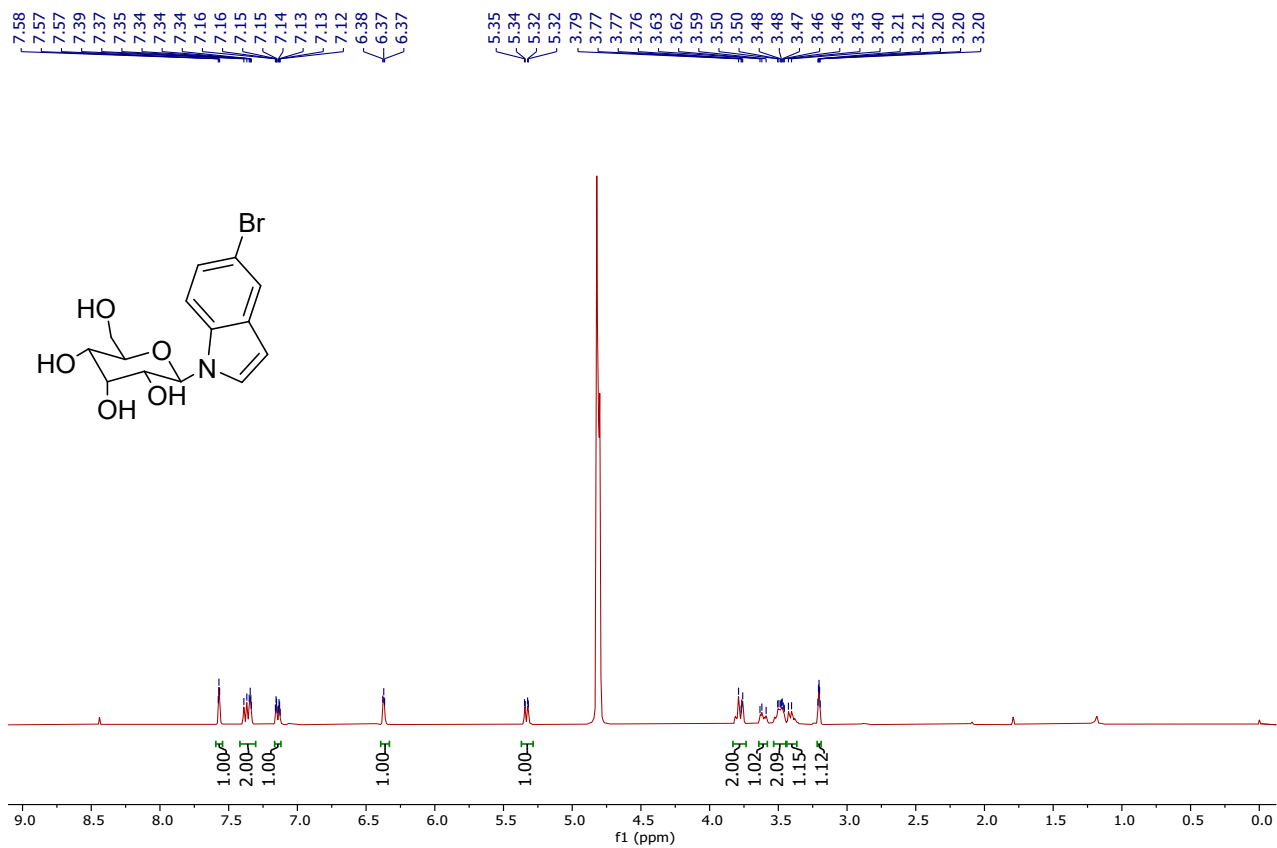






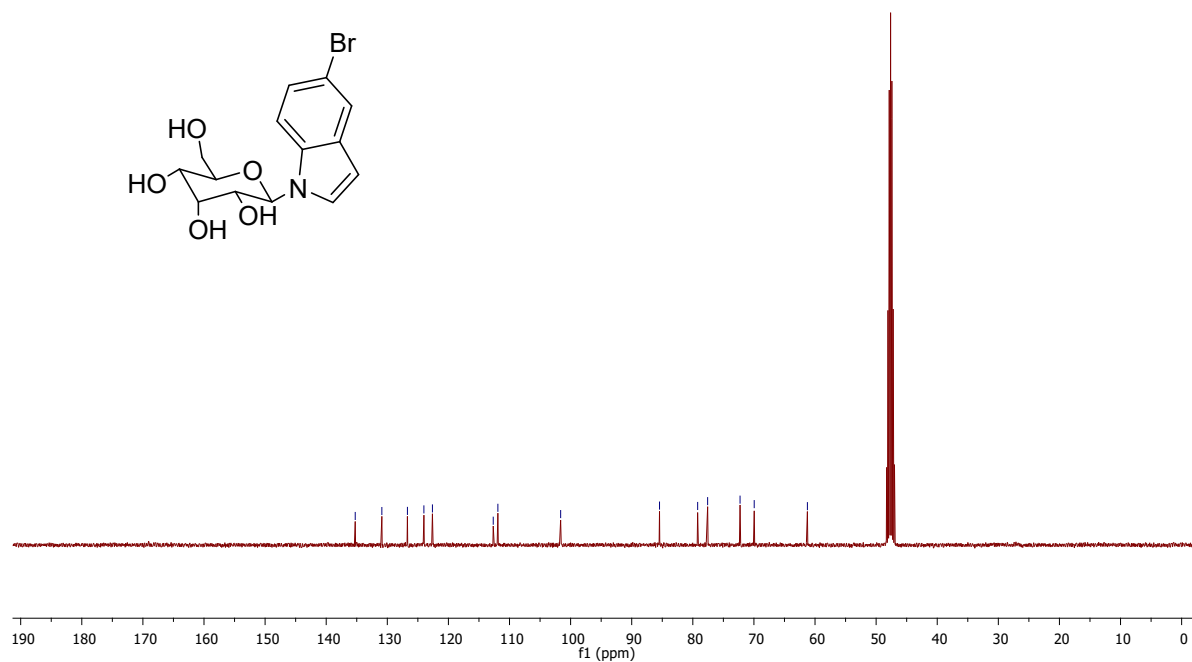


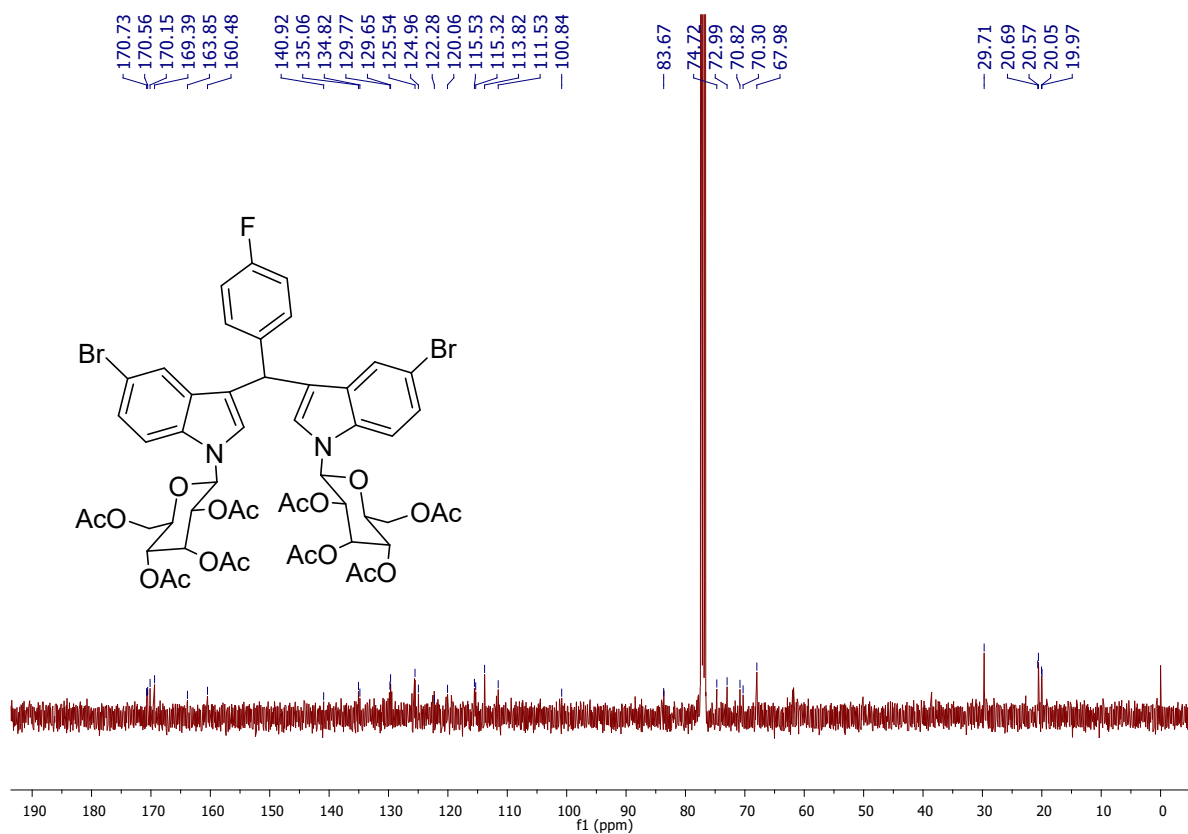
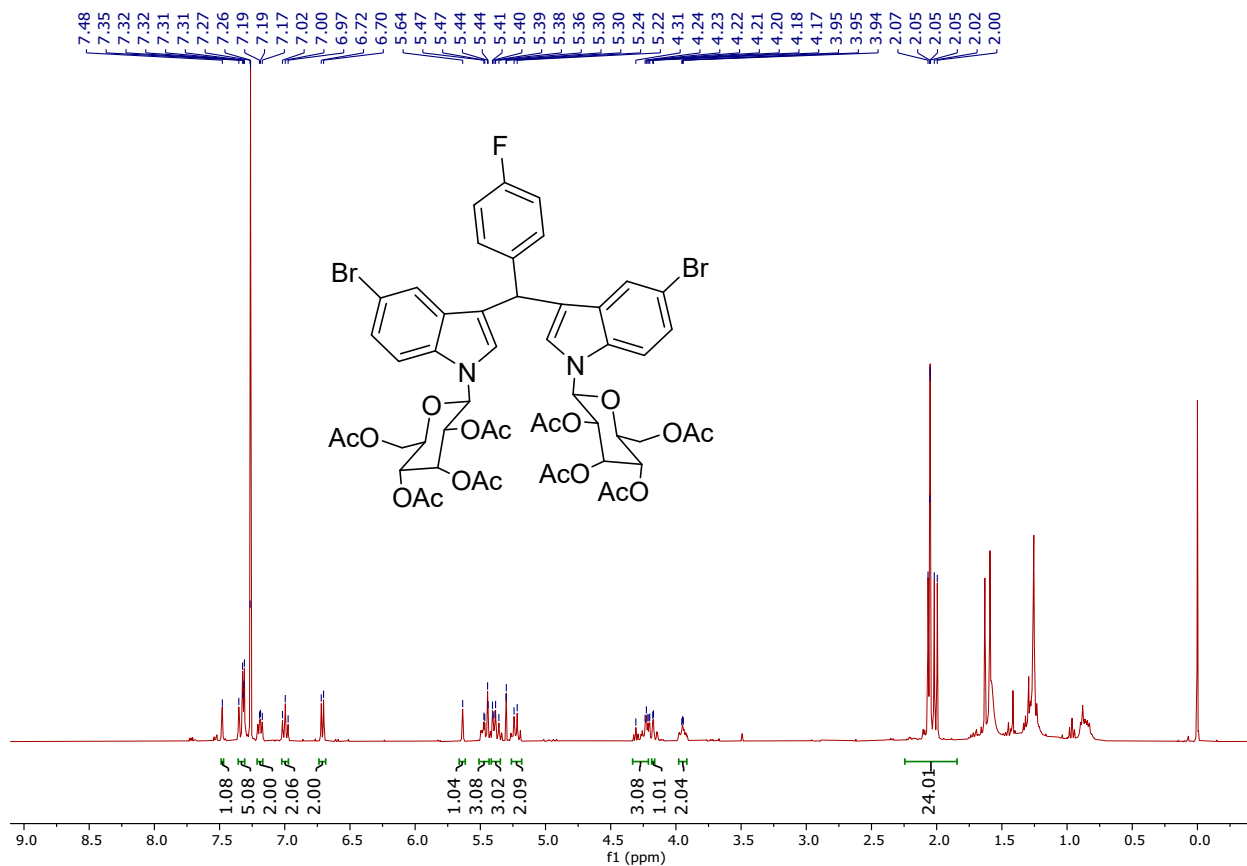




Chemical shifts (ppm) for the spectrum above:

- 135.25
- 130.89
- 126.71
- 124.01
- 122.61
- 112.66
- 111.90
- 101.63
- 85.45
- 79.21
- 77.58
- 72.27
- 69.95
- 61.25





-116.65

