

Supplementary Material
Dianhydrohexitols: new tools for organocatalysis. Application in enantioselective Friedel-Crafts alkylation of indoles with nitroalkenes

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NMR data

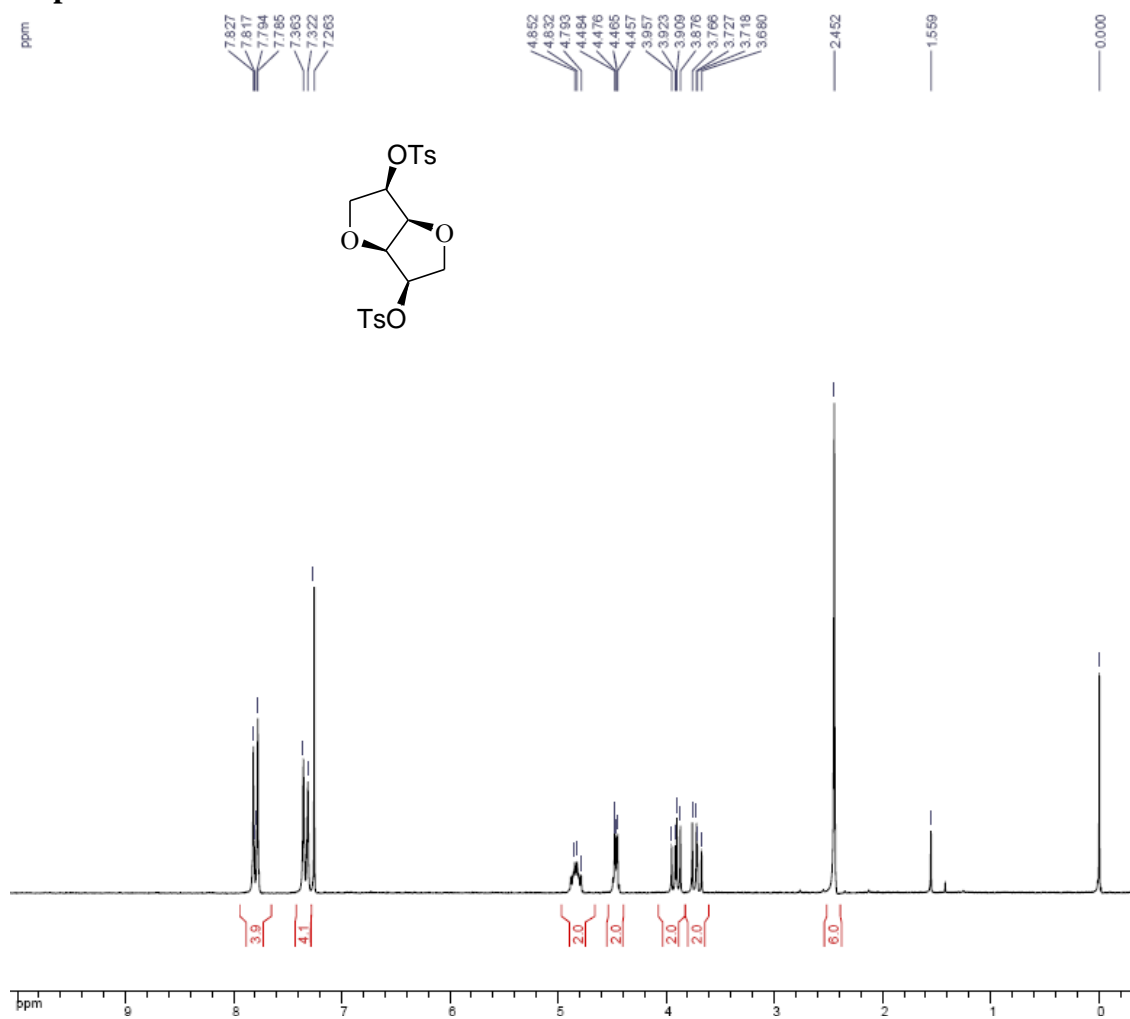
- ¹H NMR spectrum of compound **7**: S3
- ¹³C NMR spectrum of compound **7**: S4
- ¹H NMR spectrum of compound **8**: S5
- ¹³C NMR spectrum of compound **8**: S6
- ¹H NMR spectrum of compound **9**: S7
- ¹³C NMR spectrum of compound **9**: S8
- ¹H NMR spectrum of compound **10**: S9
- ¹³C NMR spectrum of compound **10**: S10
- ¹H NMR spectrum of compound **6**: S11
- ¹³C NMR spectrum of compound **6**: S12
- ¹H NMR spectrum of compound **1**: S13
- ¹³C NMR spectrum of compound **1**: S14
- ¹H NMR spectrum of compound **2**: S14
- ¹³C NMR spectrum of compound **2**: S15
- ¹H NMR spectrum of compound **3**: S16
- ¹³C NMR spectrum of compound **3**: S17
- ¹H NMR spectrum of compound **4**: S18
- ¹³C NMR spectrum of compound **4**: S19
- ¹H NMR spectrum of compound **5**: S20
- ¹³C NMR spectrum of compound **5**: S21
- ¹H NMR spectrum of compound **14a**: S22
- ¹³C NMR spectrum of compound **14a**: S23

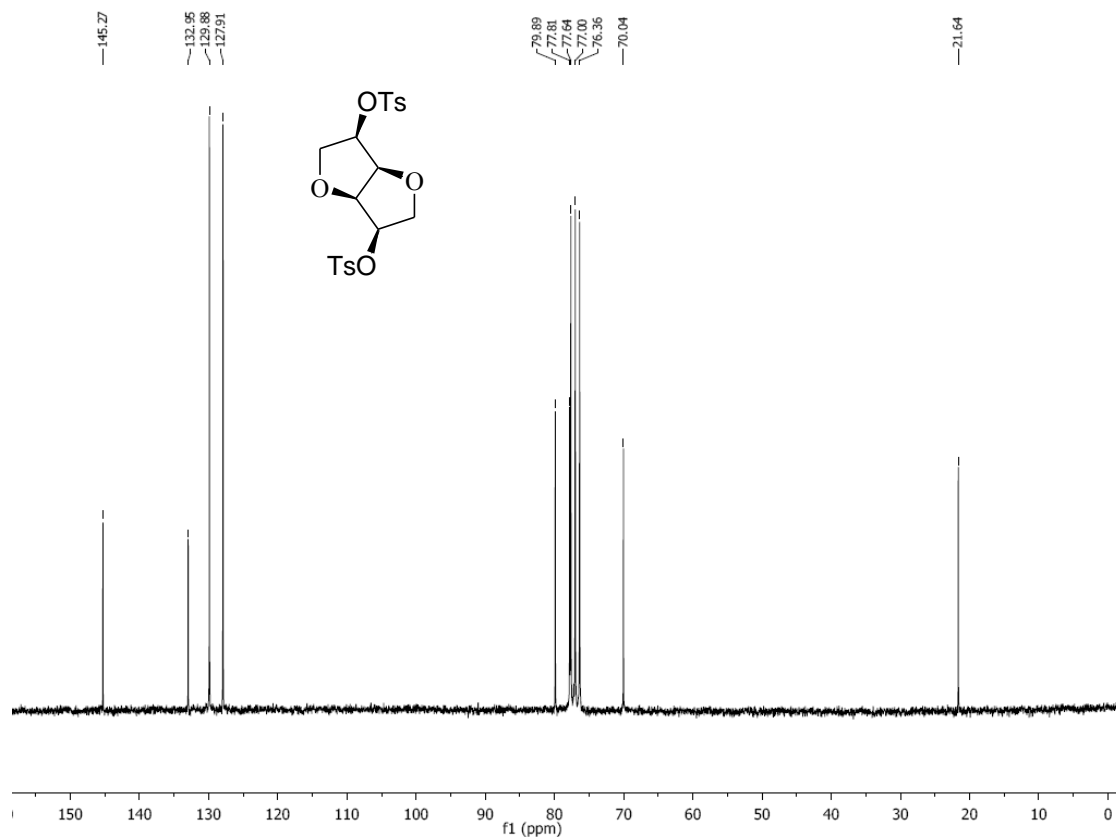
¹H NMR spectrum of compound **14b**: S24
¹³C NMR spectrum of compound **14b**: S25
¹H NMR spectrum of compound **14c**: S26
¹³C NMR spectrum of compound **14c**: S27
¹H NMR spectrum of compound **14d**: S28
¹³C NMR spectrum of compound **14d**: S29
¹H NMR spectrum of compound **14e**: S30
¹³C NMR spectrum of compound **14e**: S31
¹H NMR spectrum of compound **14f**: S32
¹³C NMR spectrum of compound **14f**: S33
¹H NMR spectrum of compound **14g**: S34
¹³C NMR spectrum of compound **14g**: S35
¹H NMR spectrum of compound **14h**: S36
¹³C NMR spectrum of compound **14h**: S37

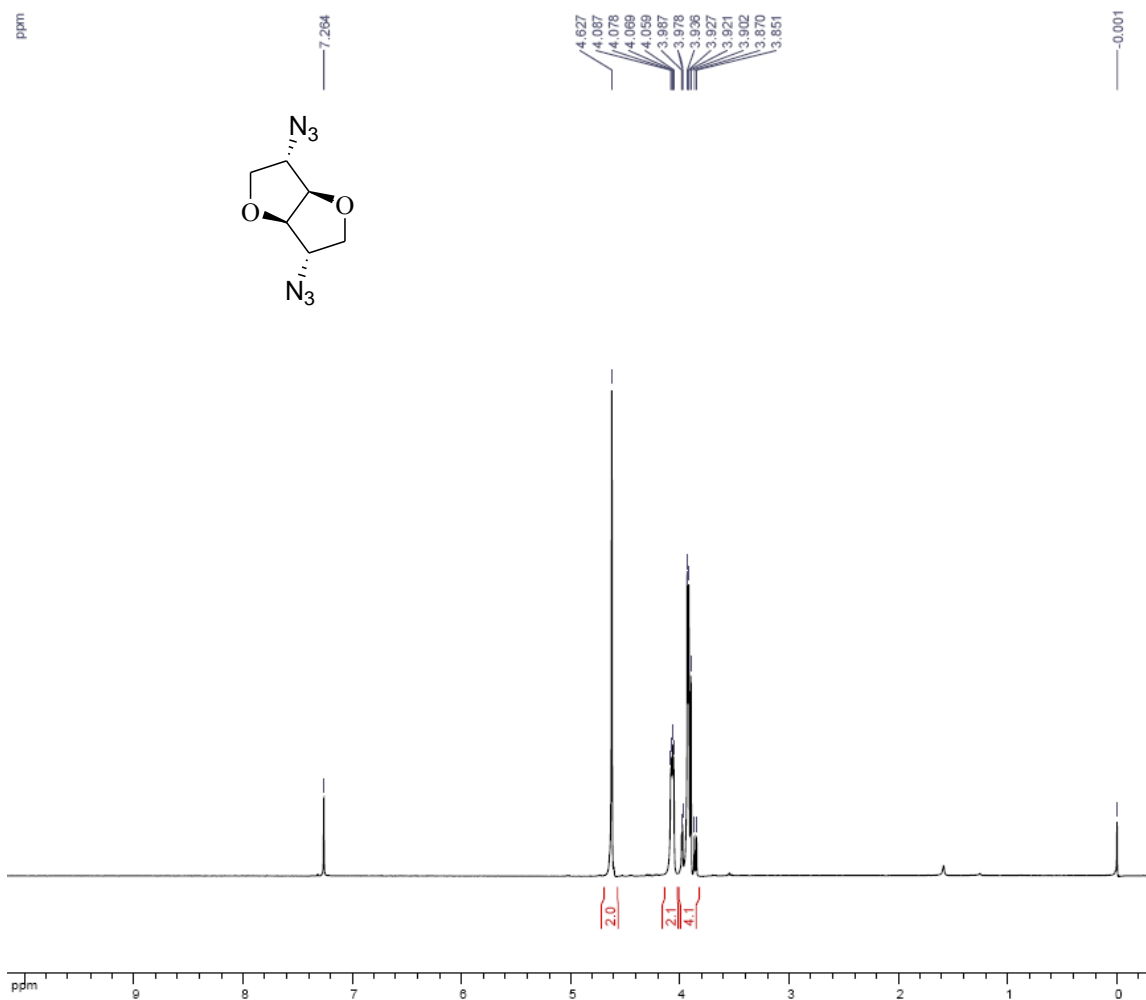
**Catalytic enantioselective Friedel-Crafts alkylation in the presence of thiourea catalyst 2:
HPLC chromatograms**

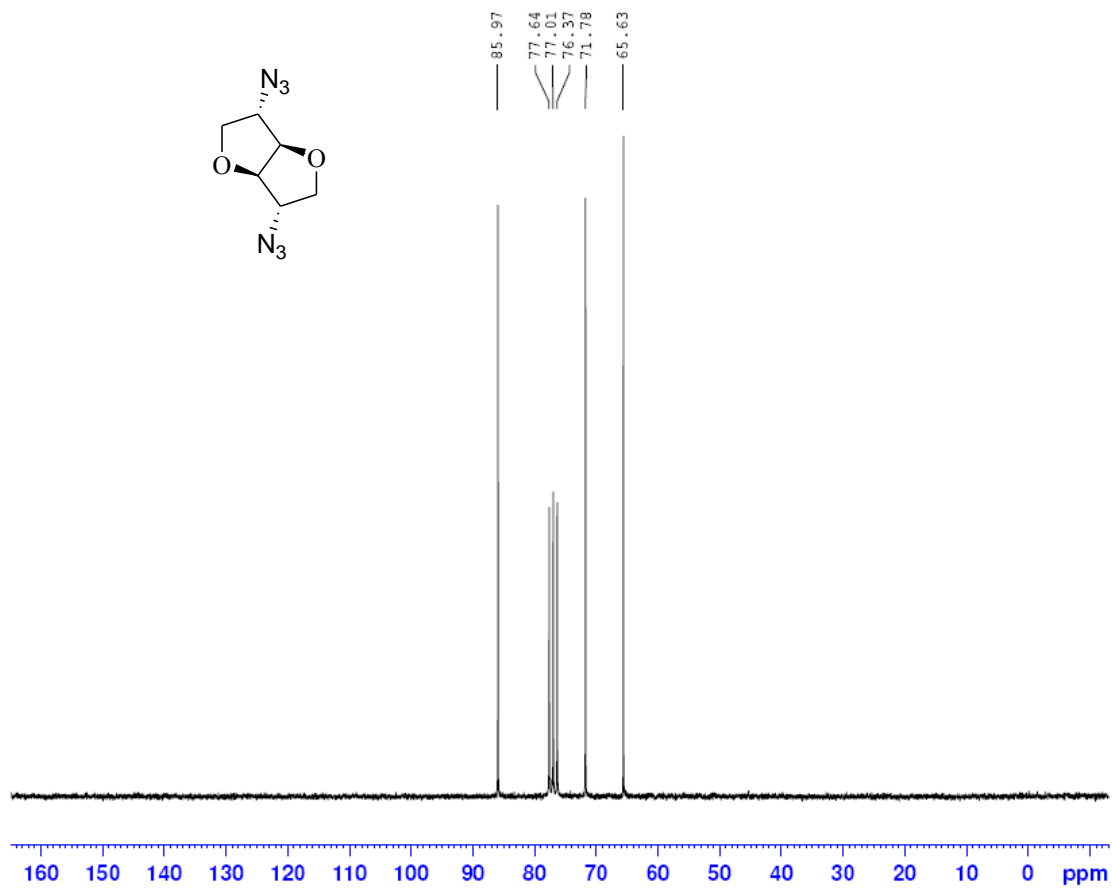
Formation of compound **14a**: S38
Formation of compound **14a**: S39
Formation of compound **14b**: S39
Formation of compound **14b**: S40
Formation of compound **14c**: S40
Formation of compound **14c**: S41
Formation of compound **14d**: S41
Formation of compound **14d**: S42
Formation of compound **14e**: S43
Formation of compound **14f**: S44
Formation of compound **14g**: S45
Formation of compound **14g**: S46
Formation of compound **14h**: S46
Formation of compound **14h**: S47

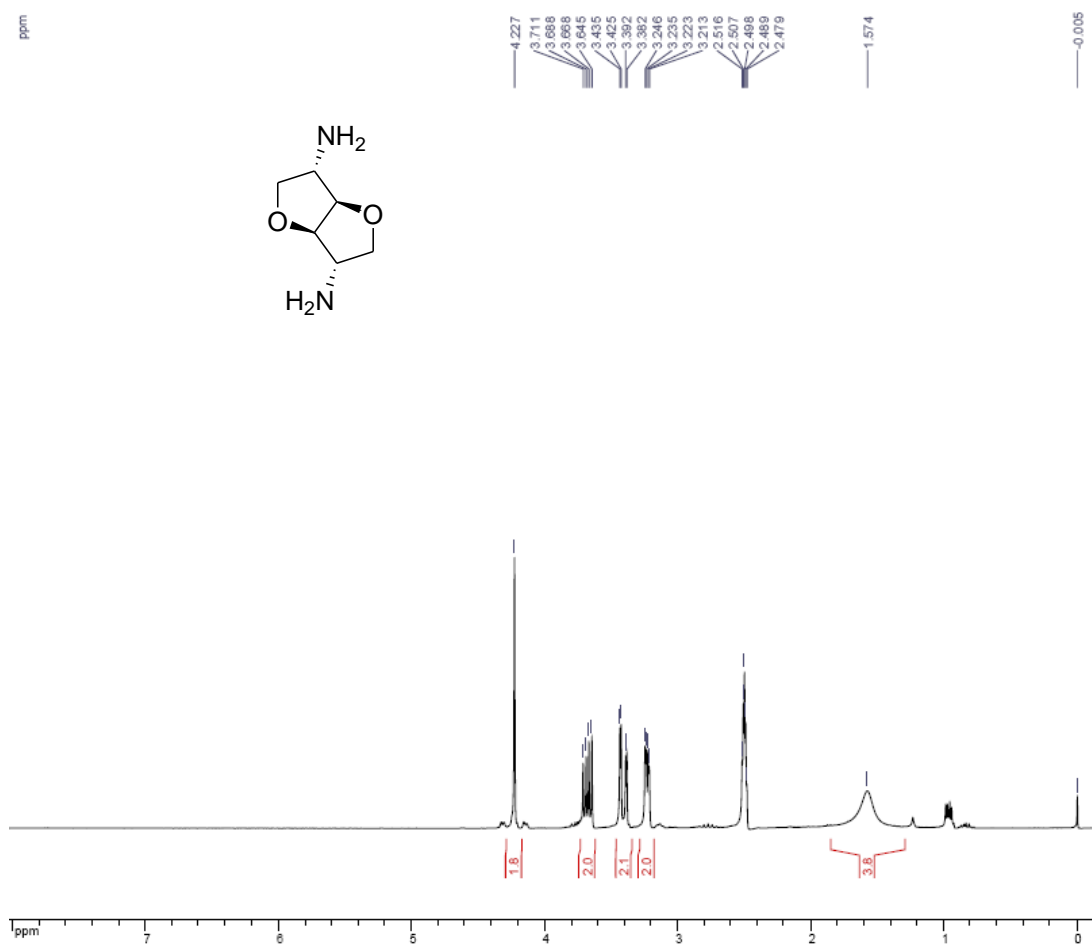
NMR Spectra

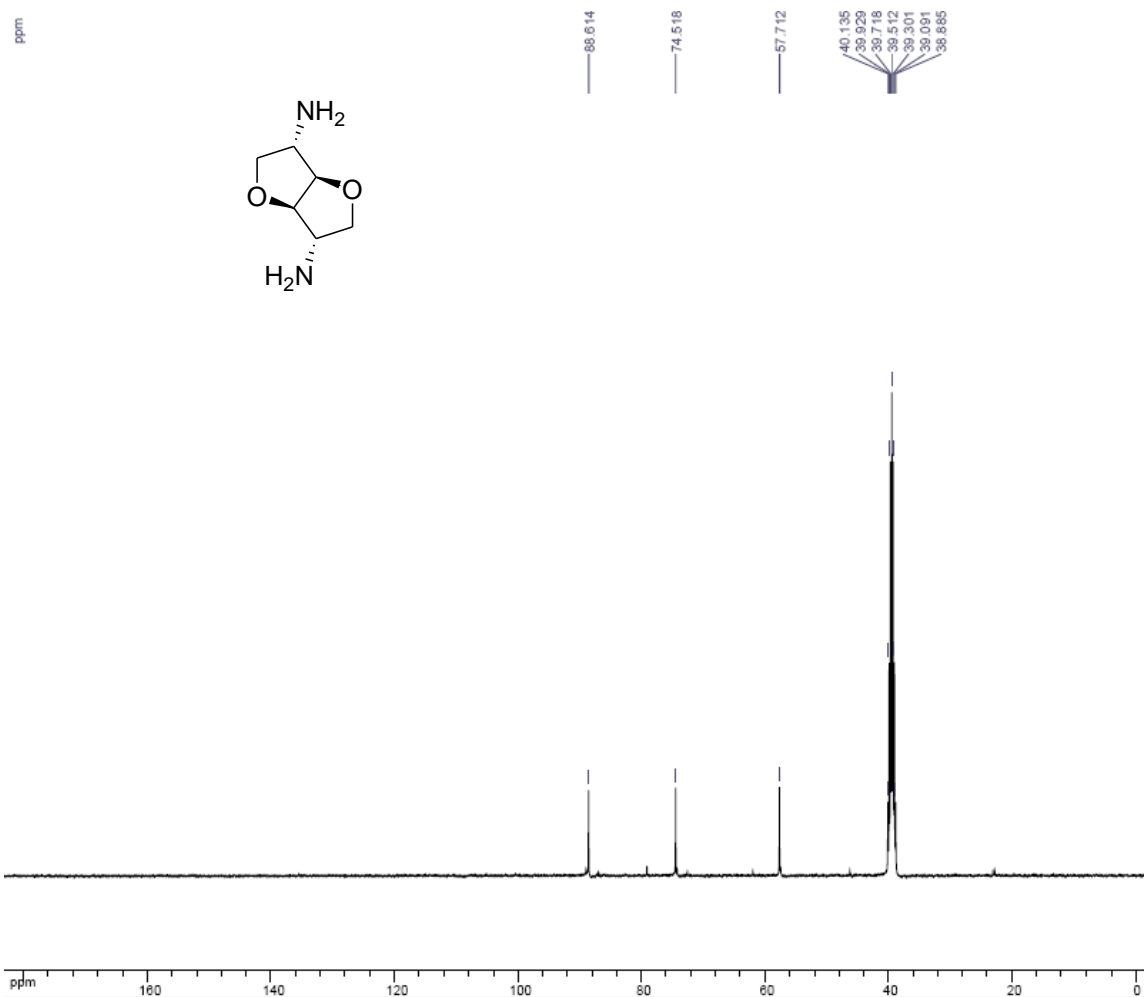


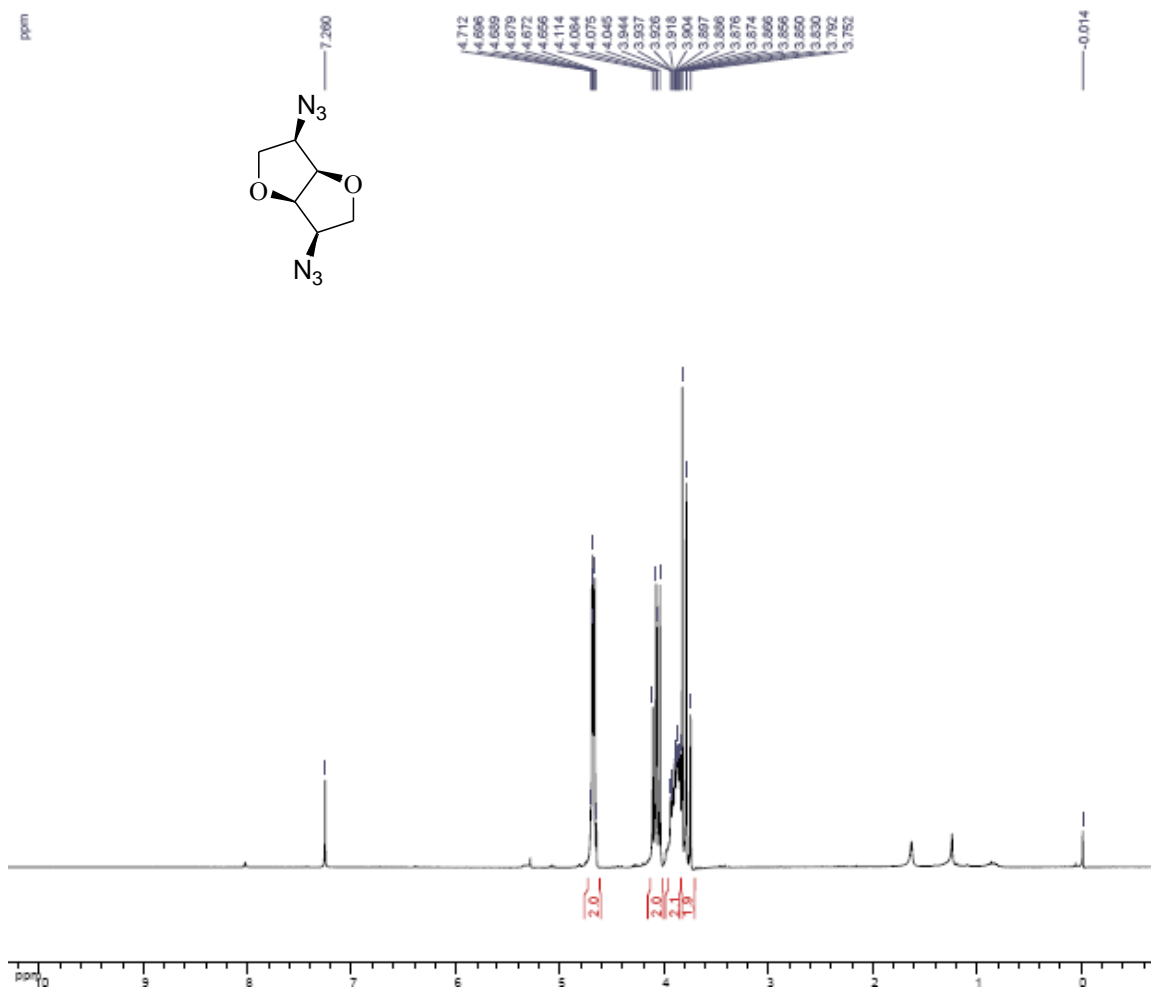


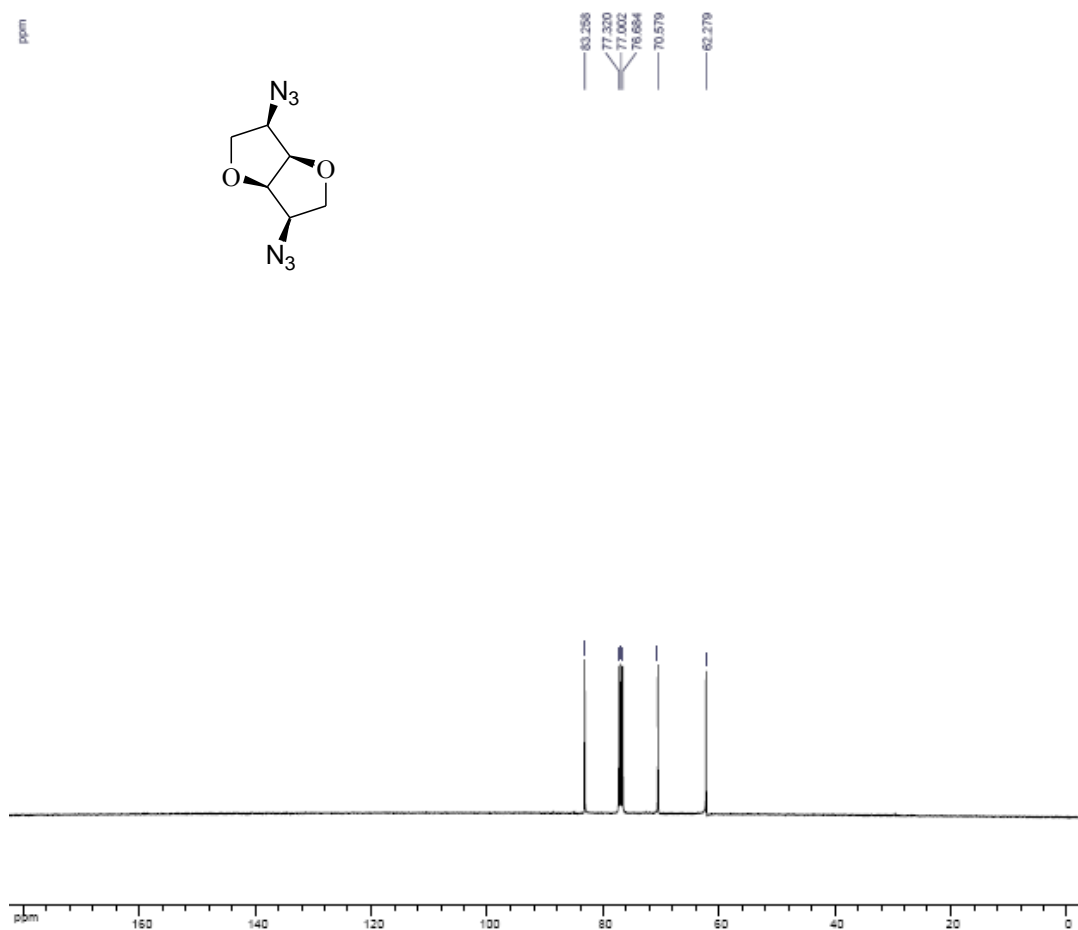


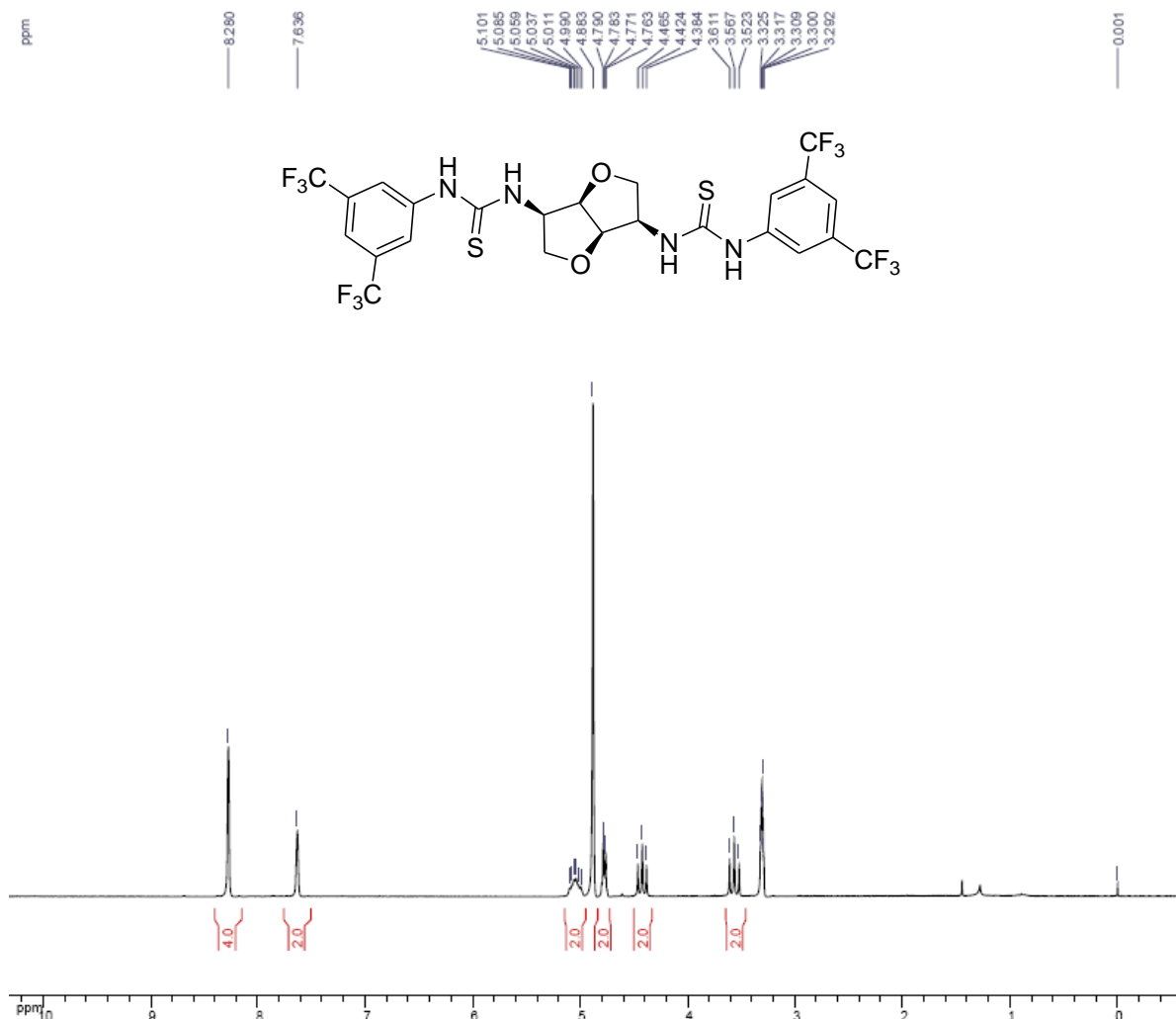


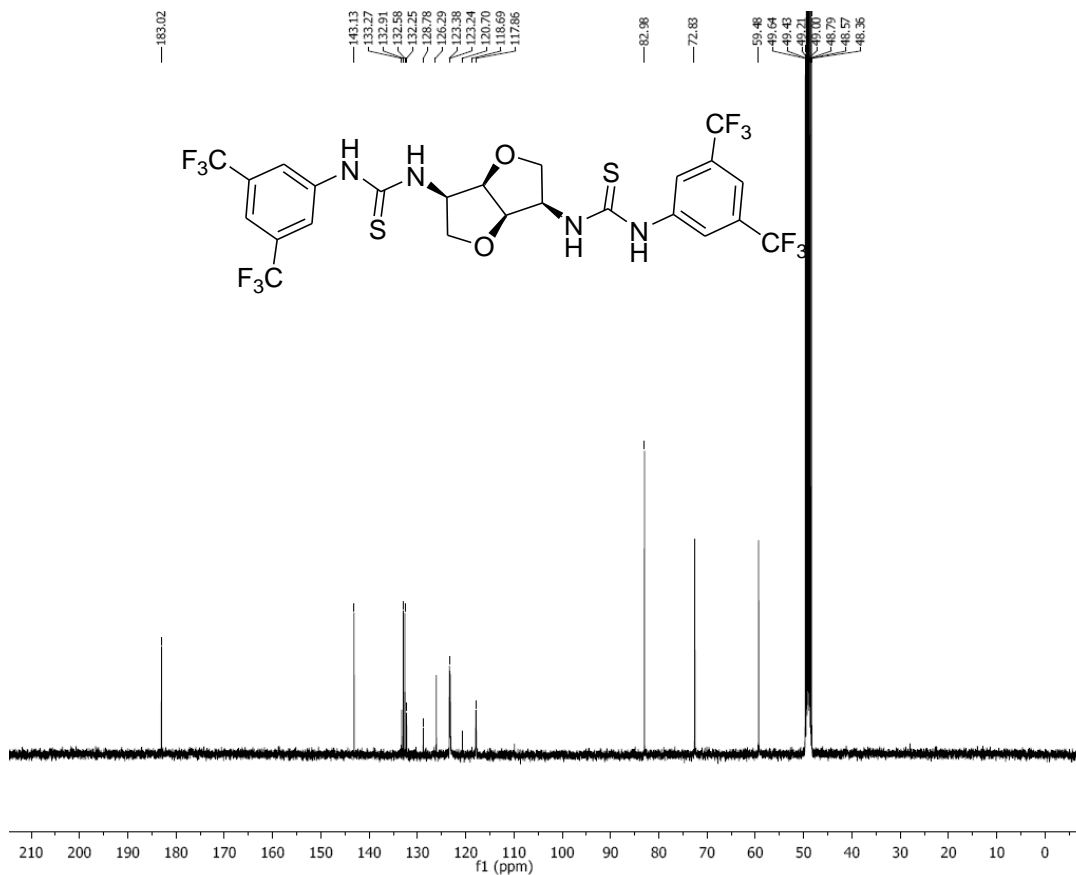


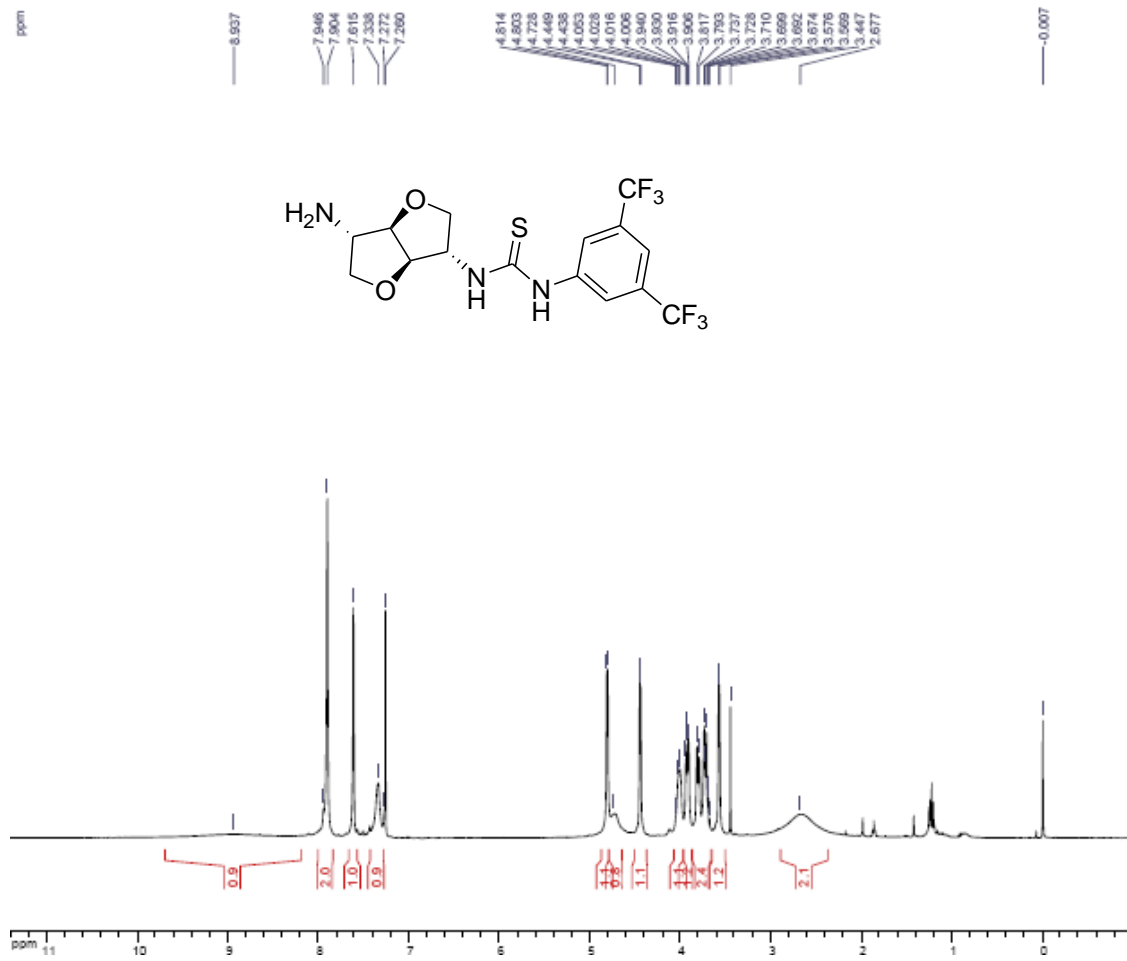


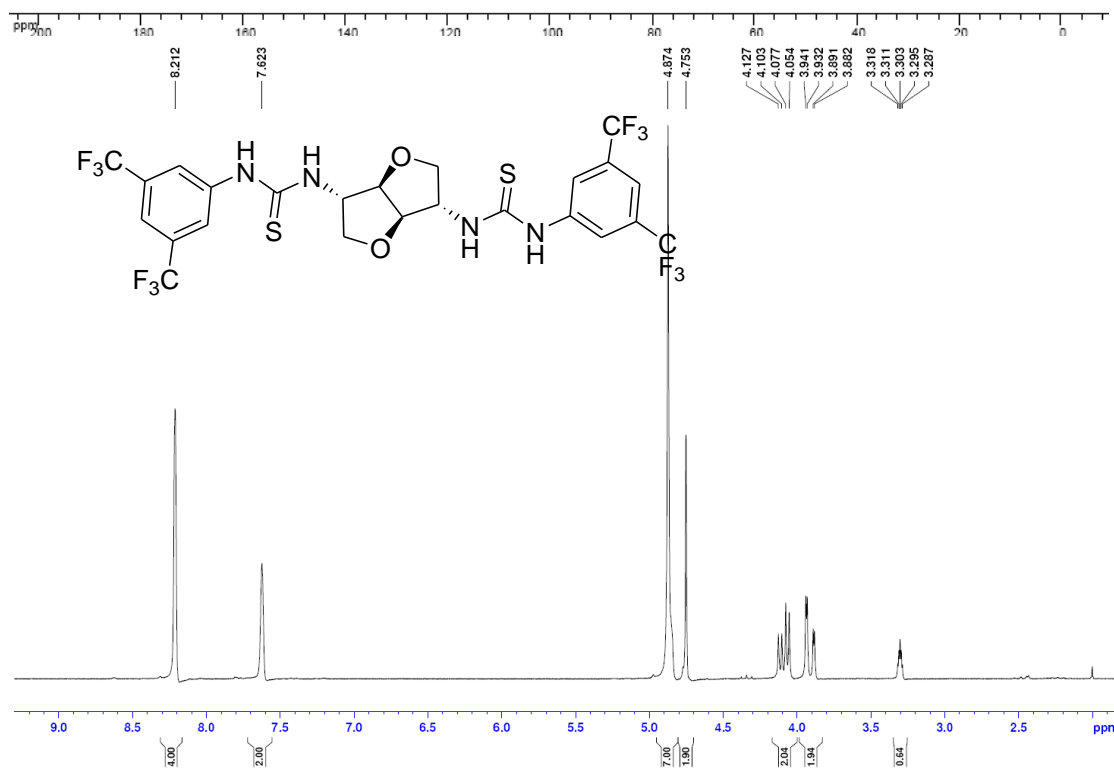
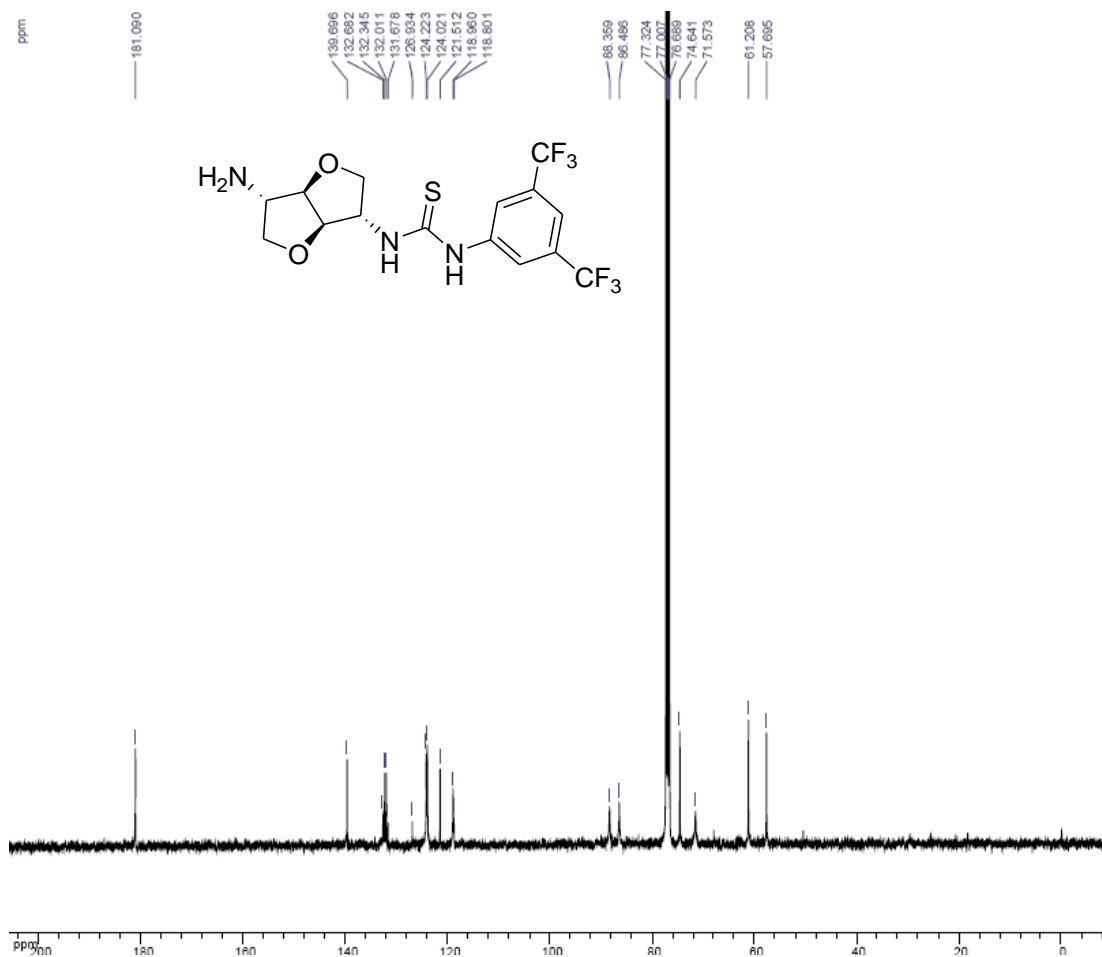


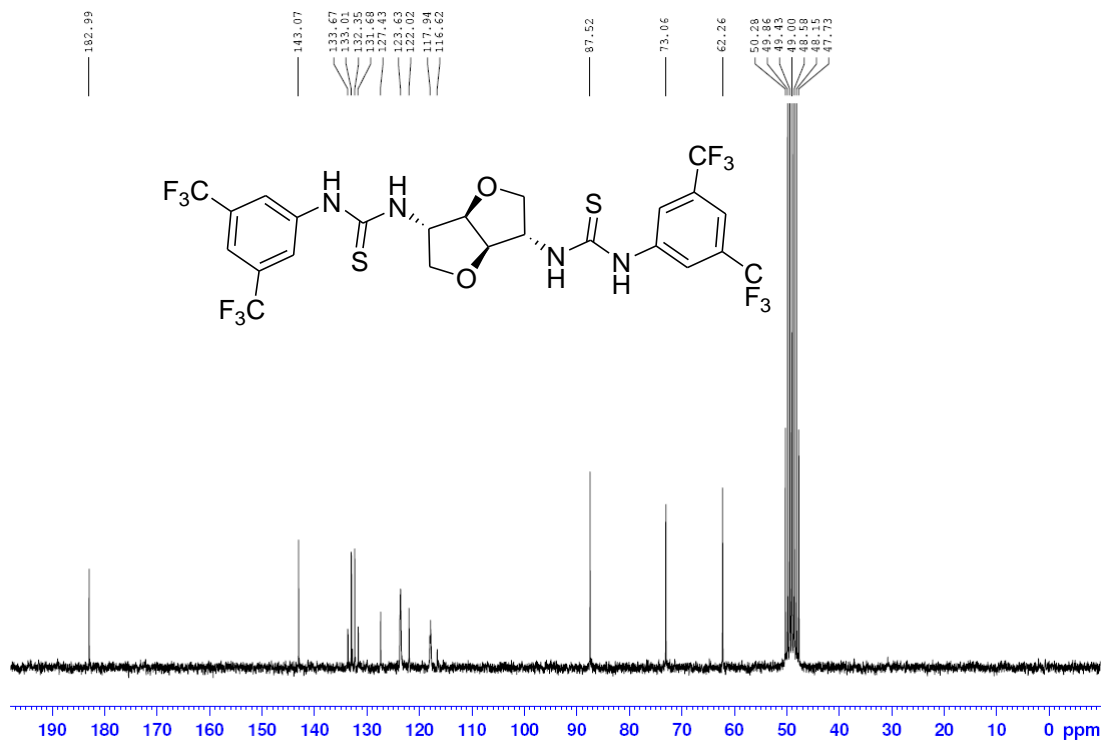


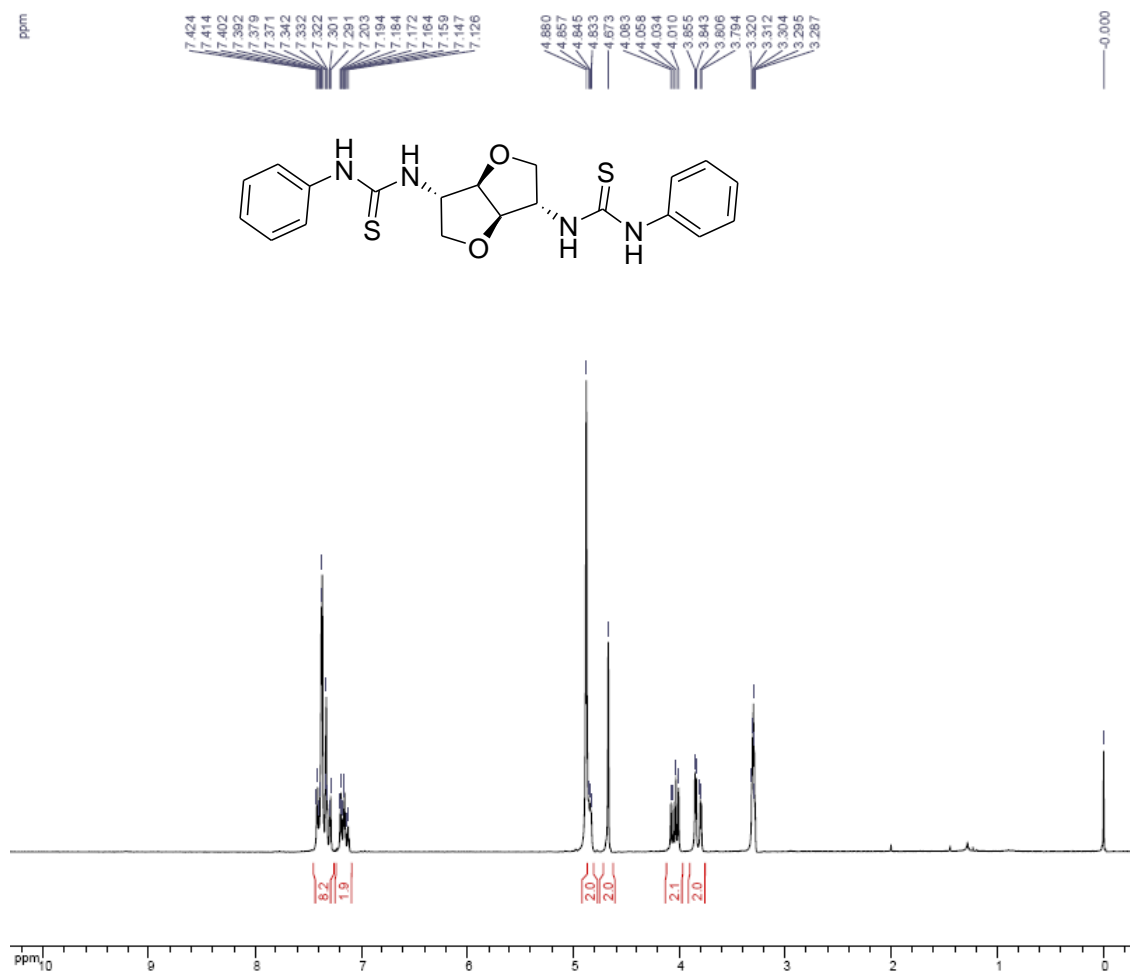




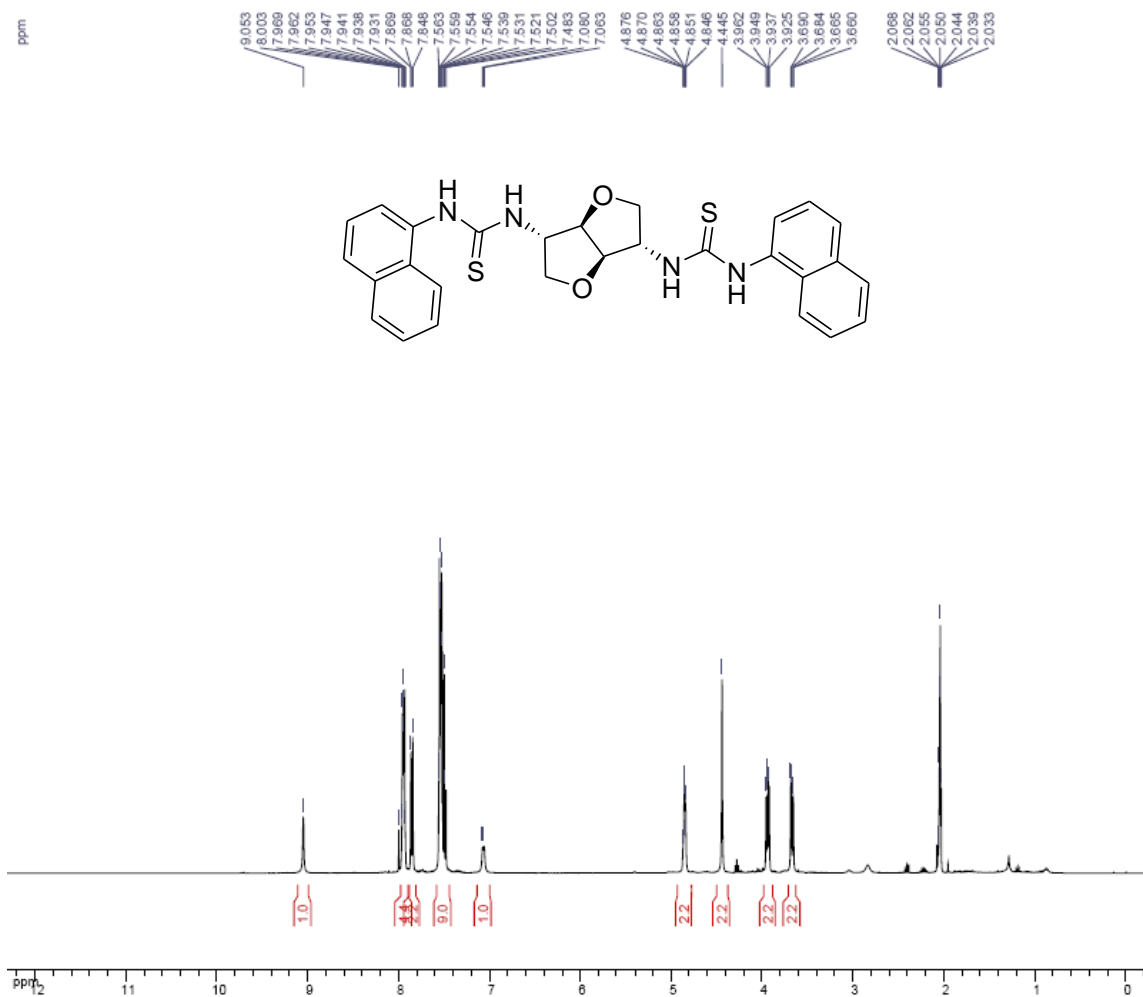


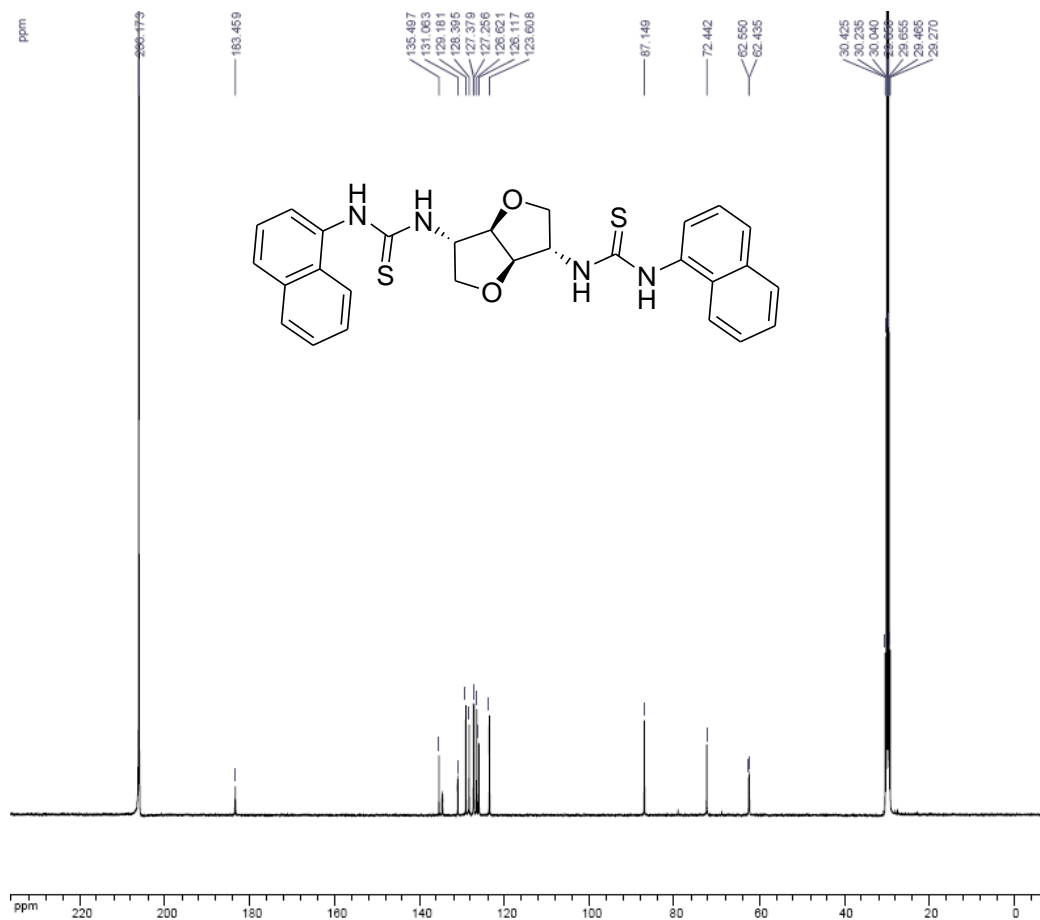


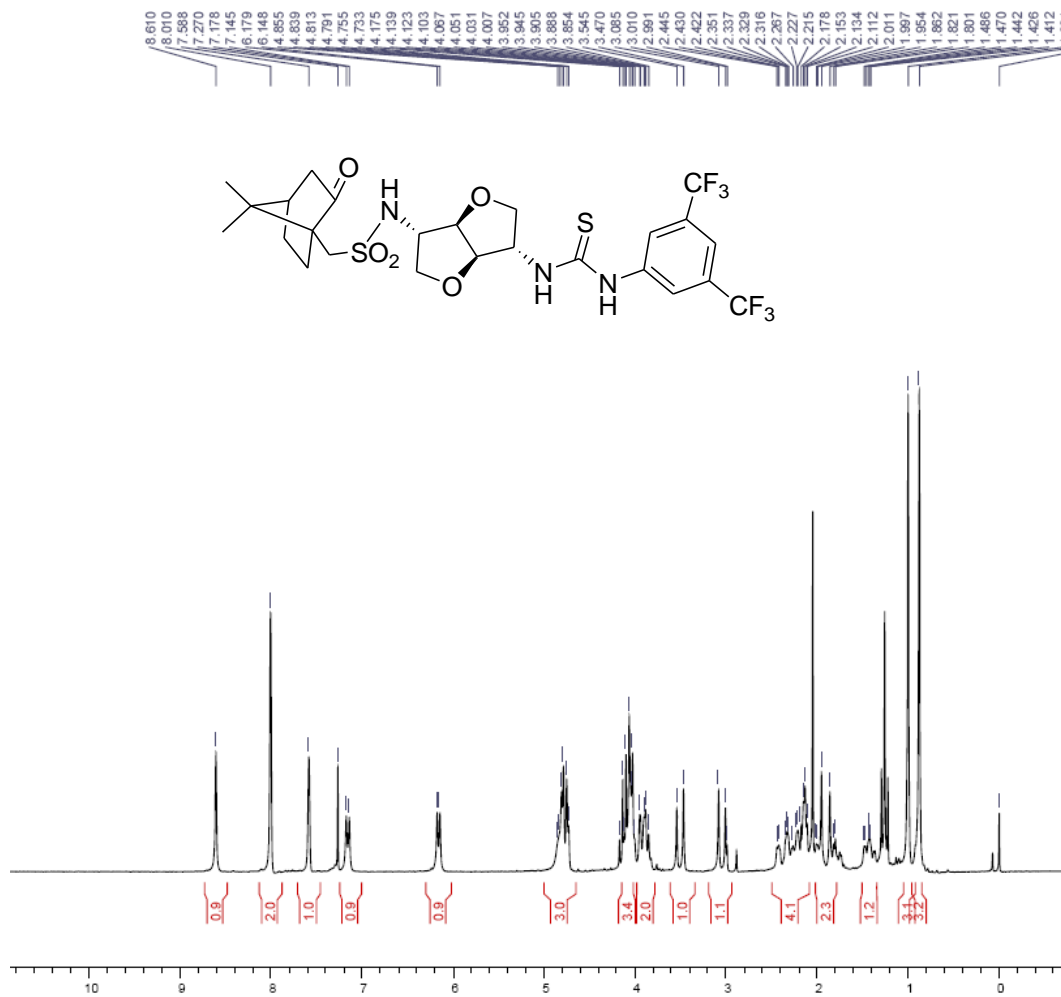


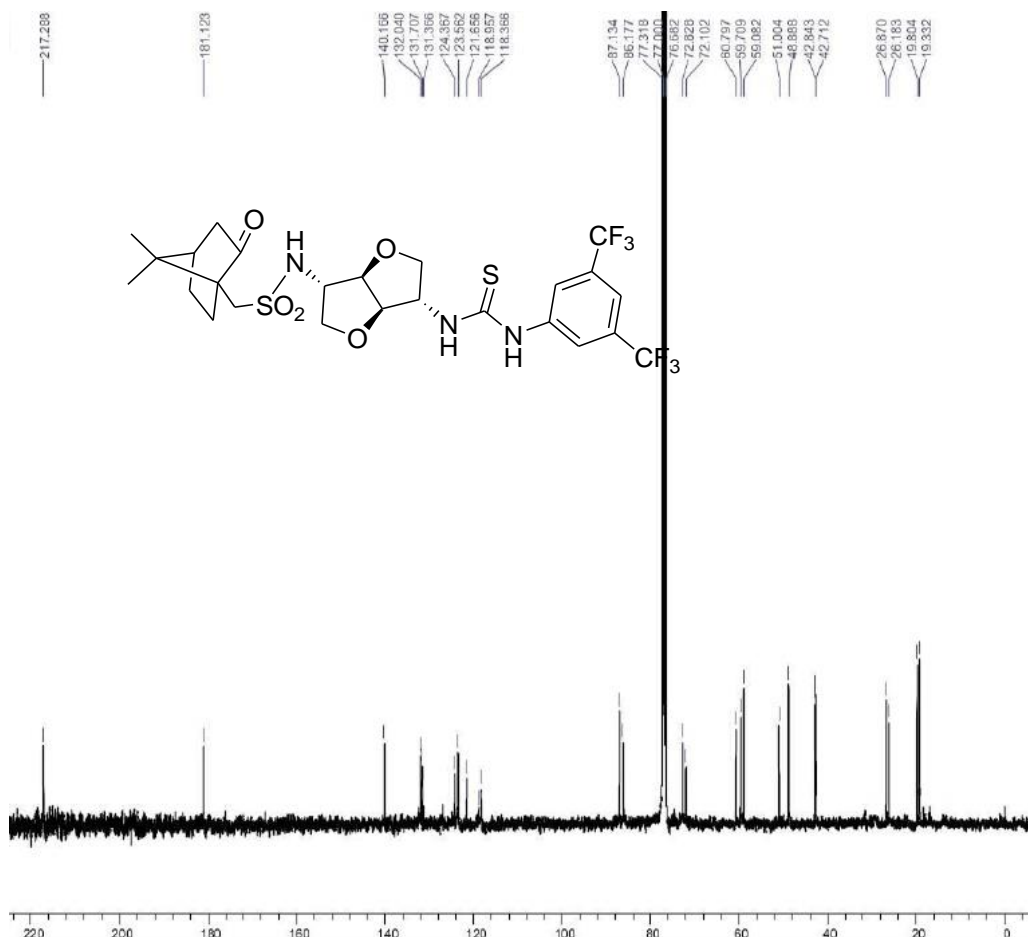


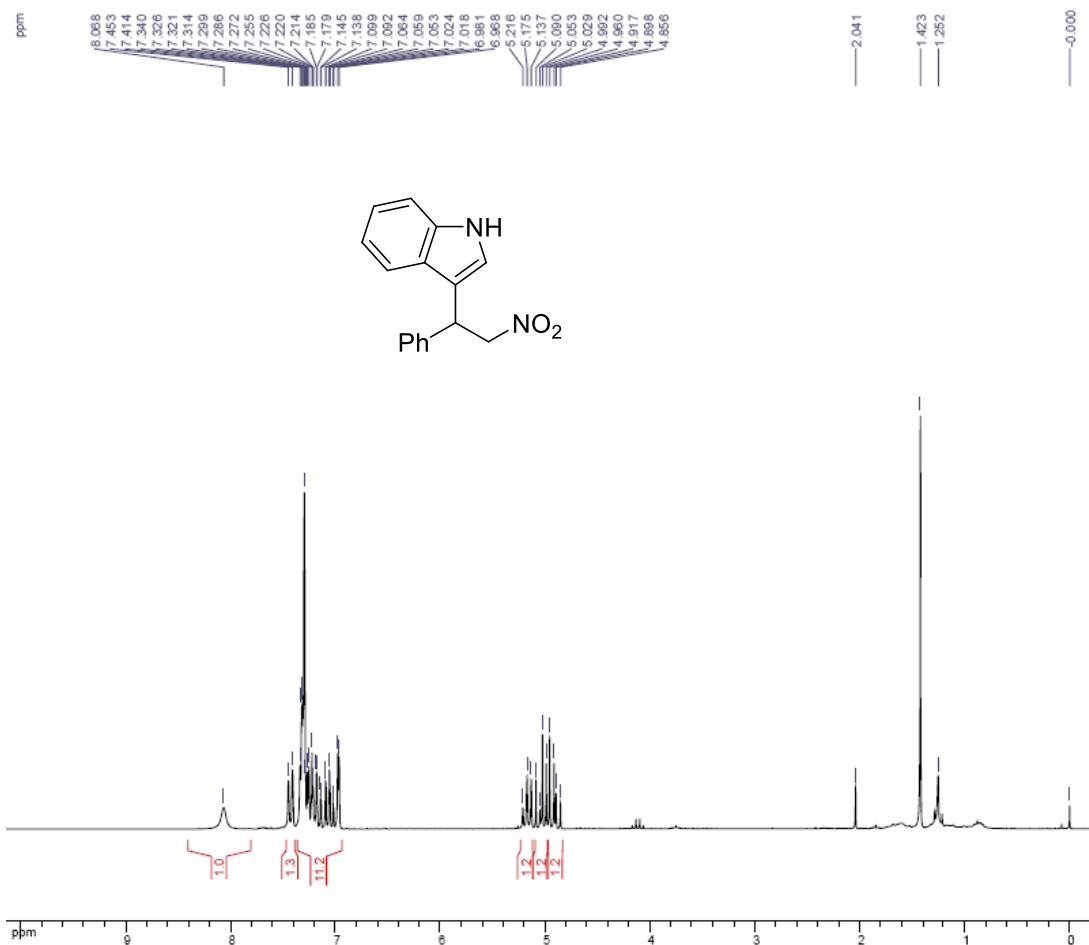


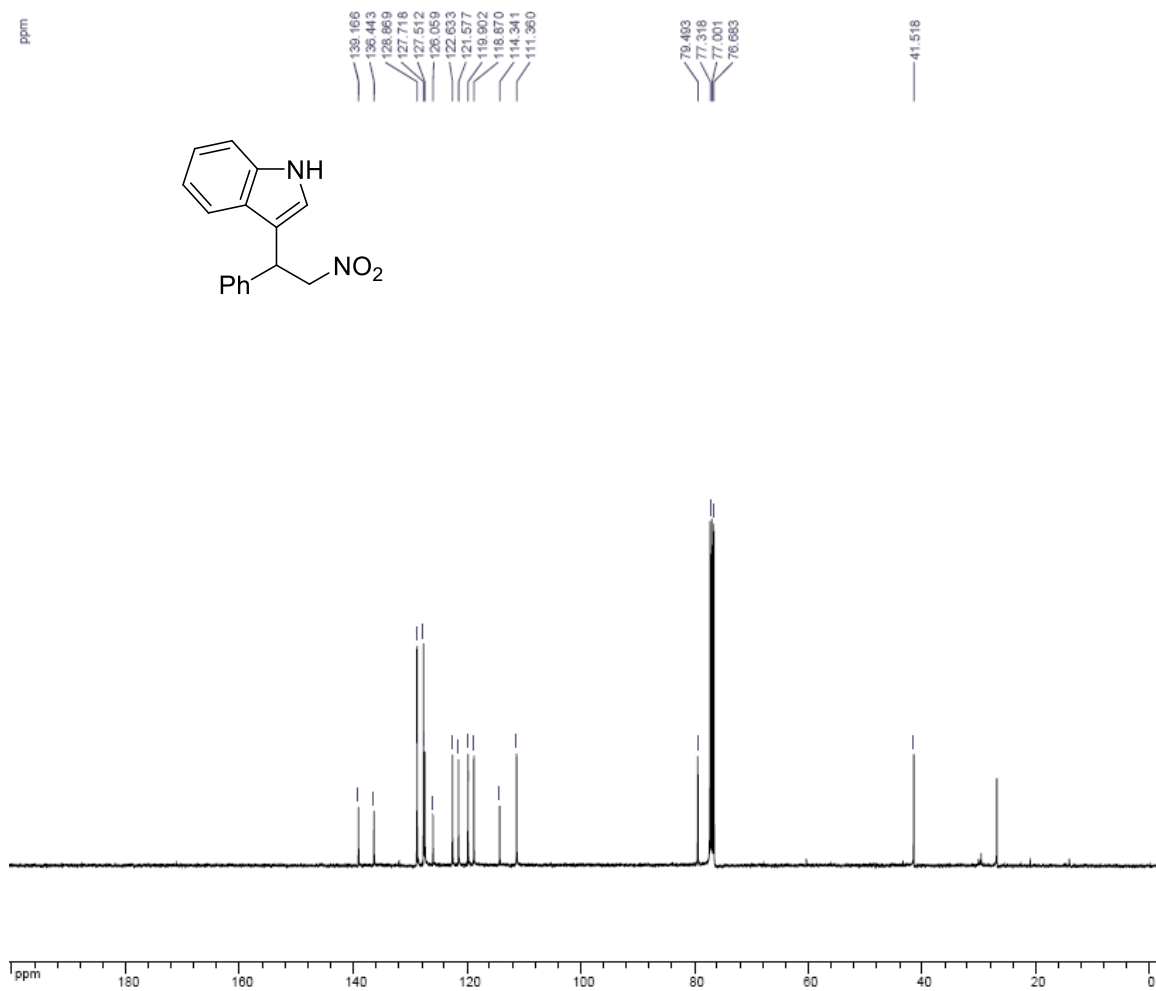


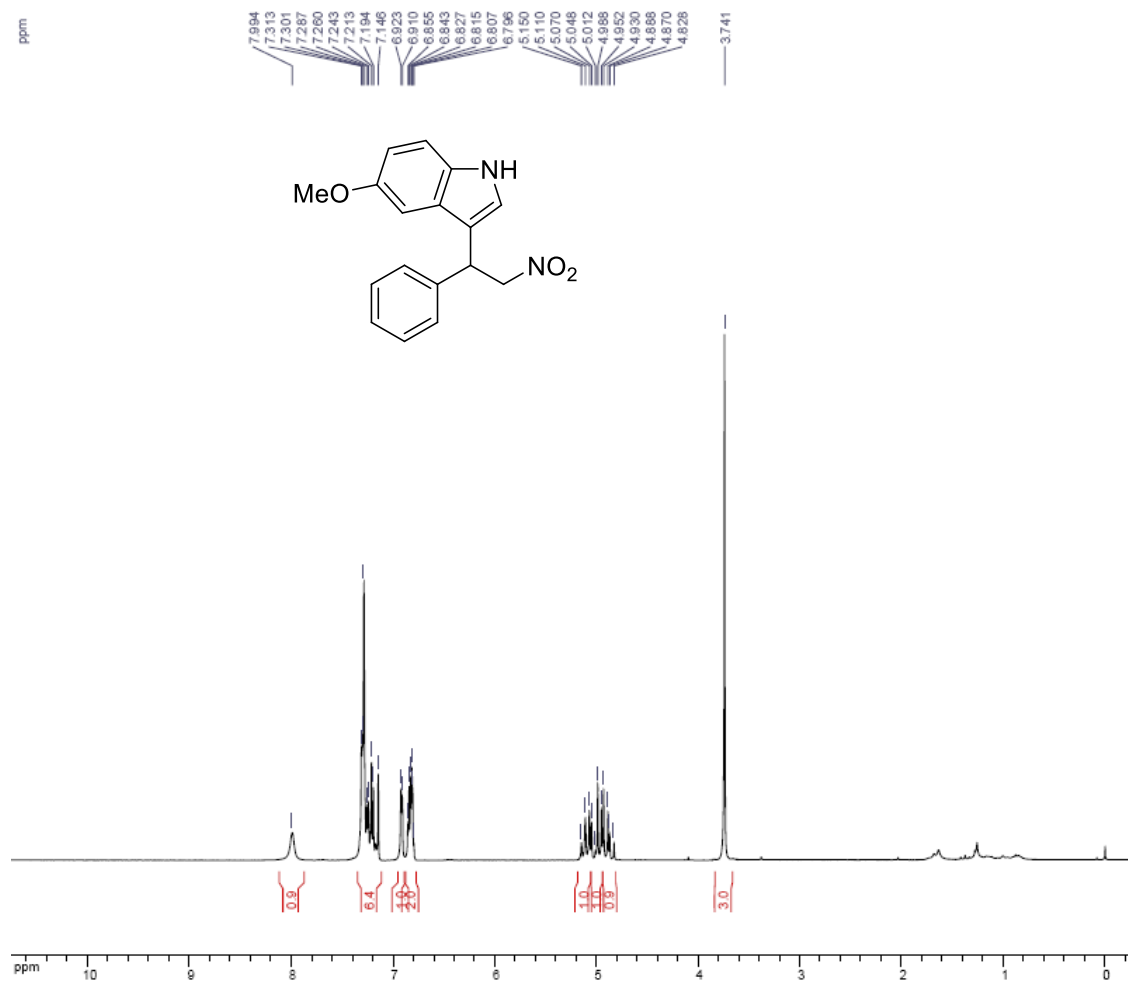


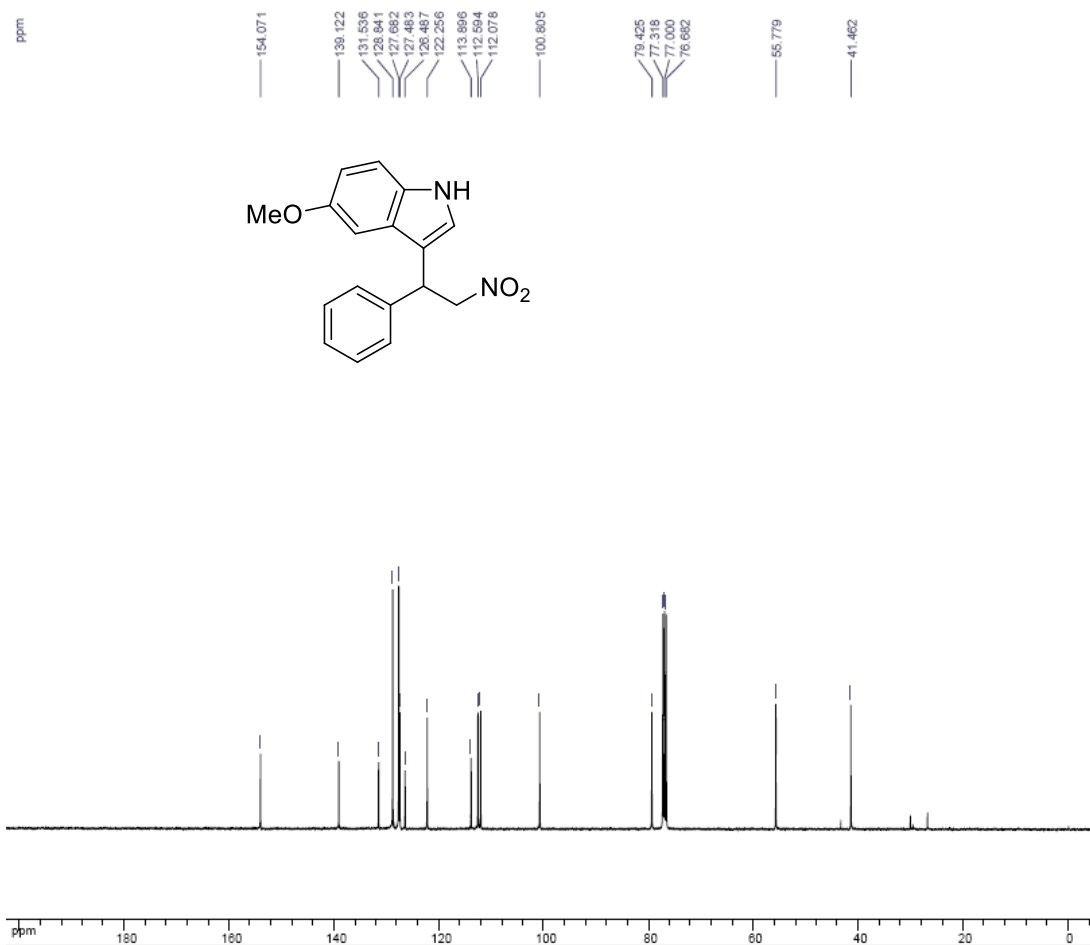


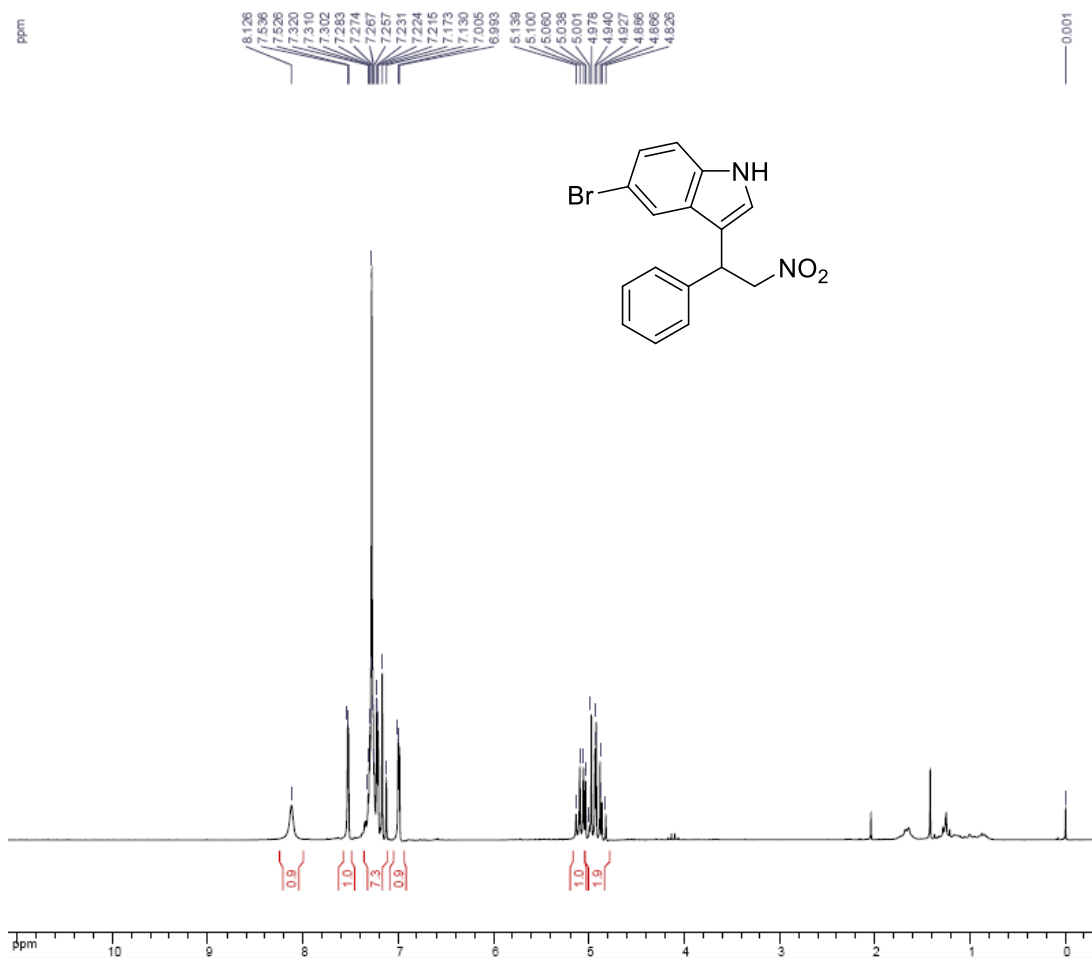


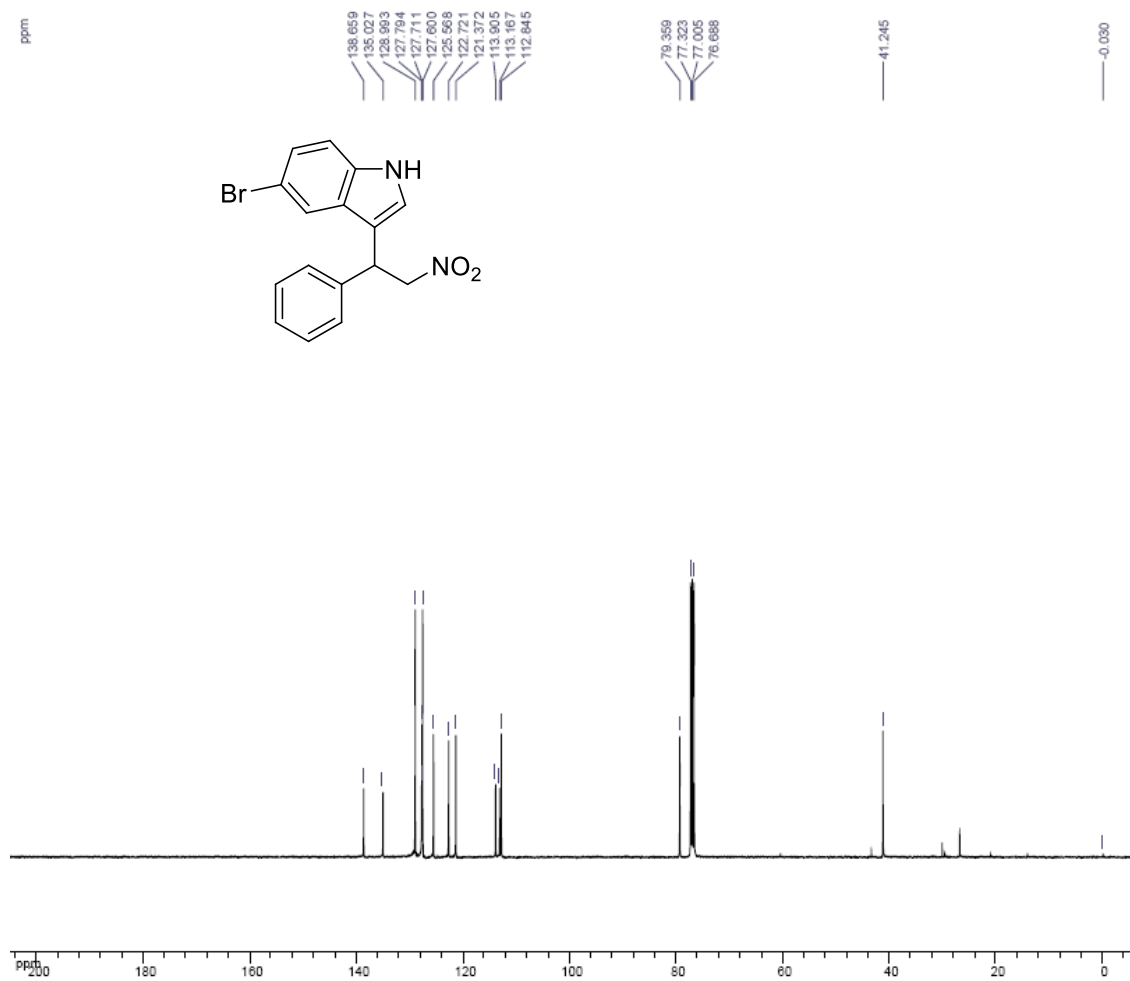


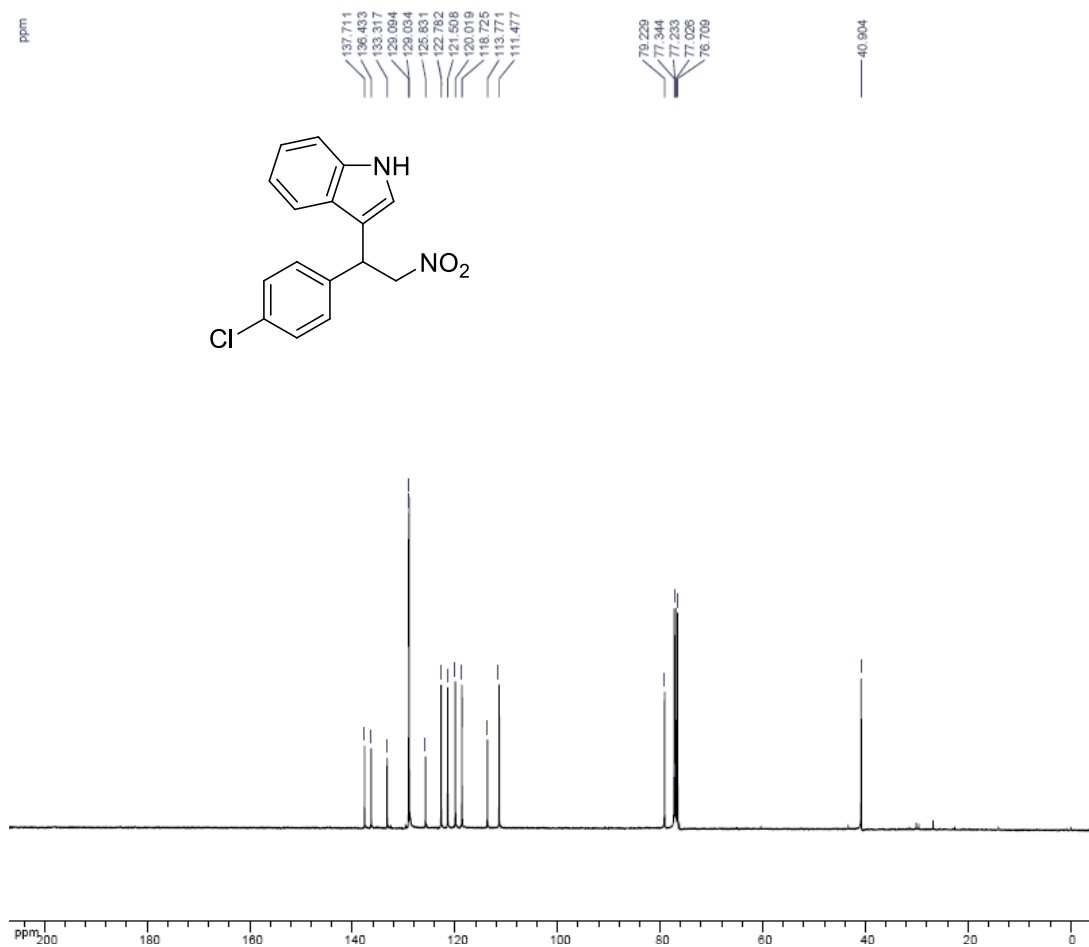


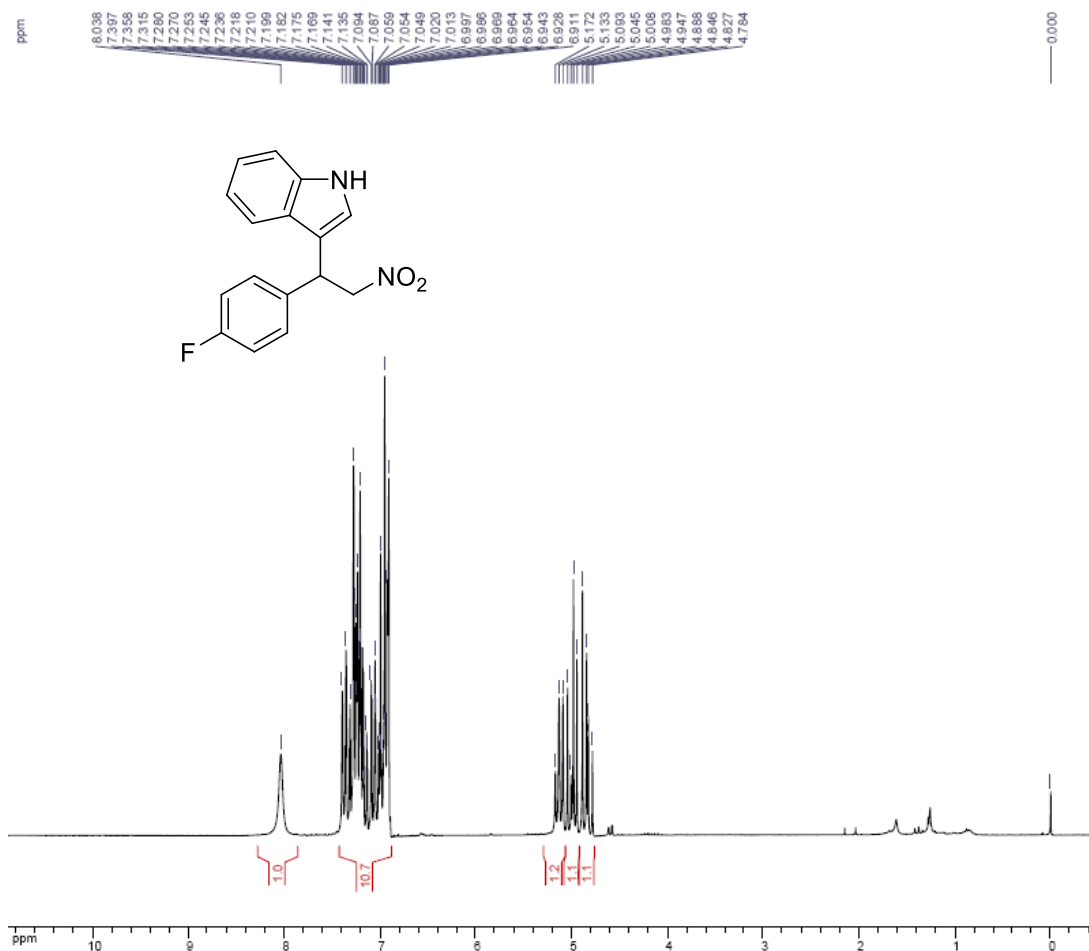


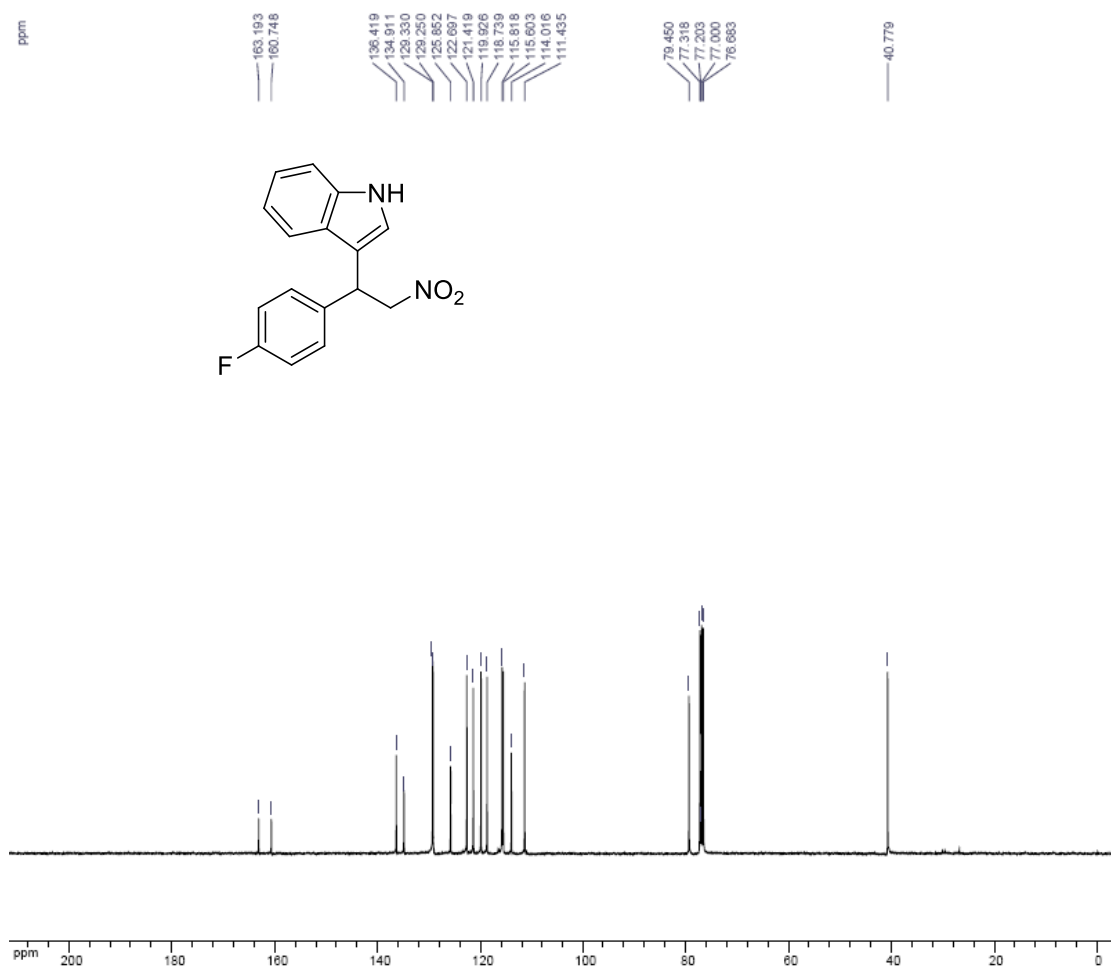


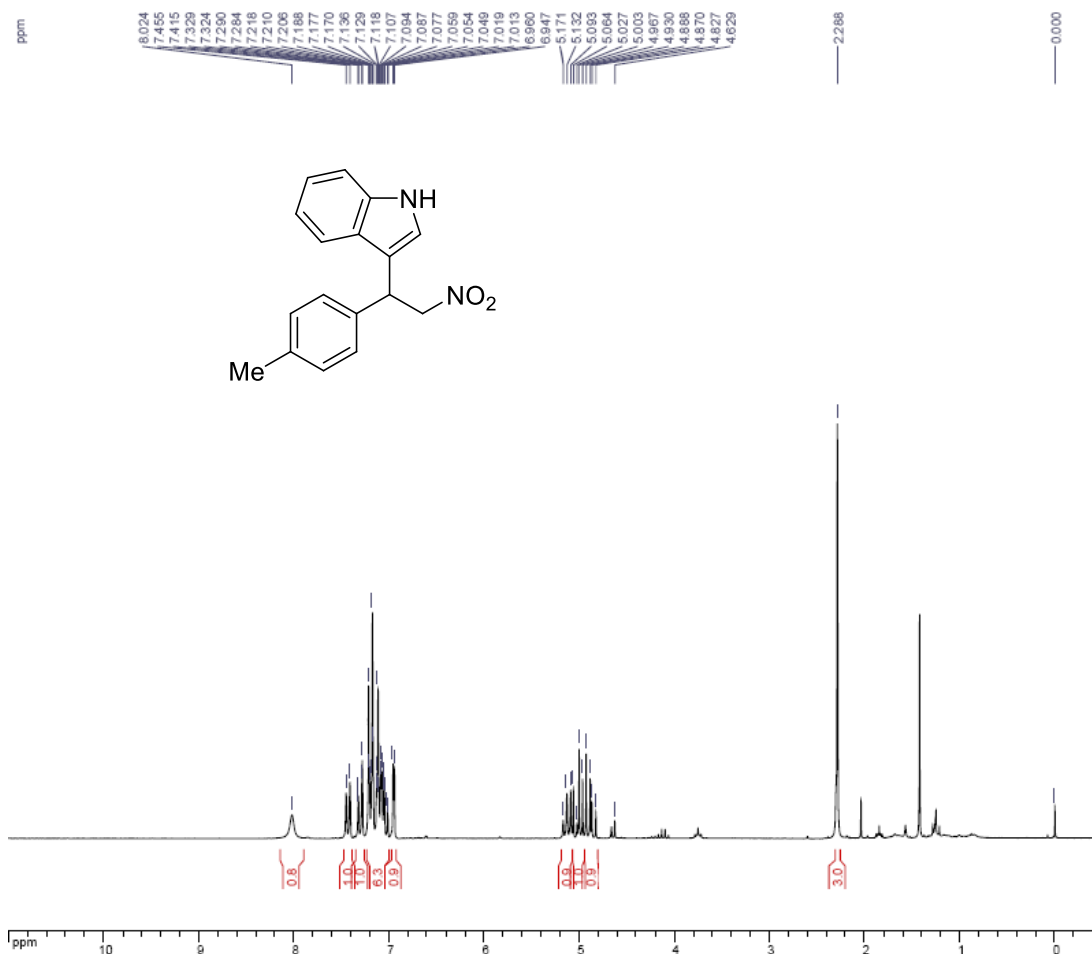


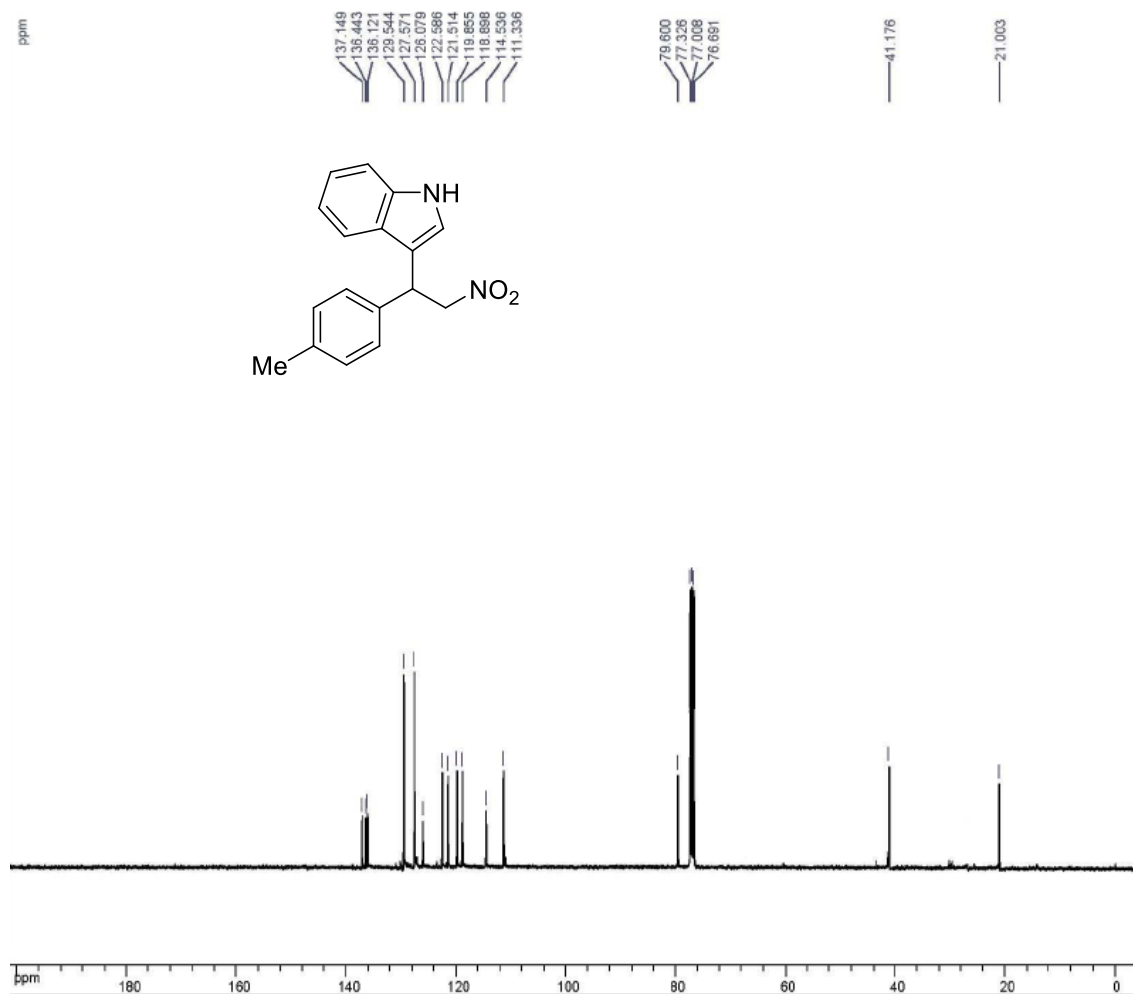


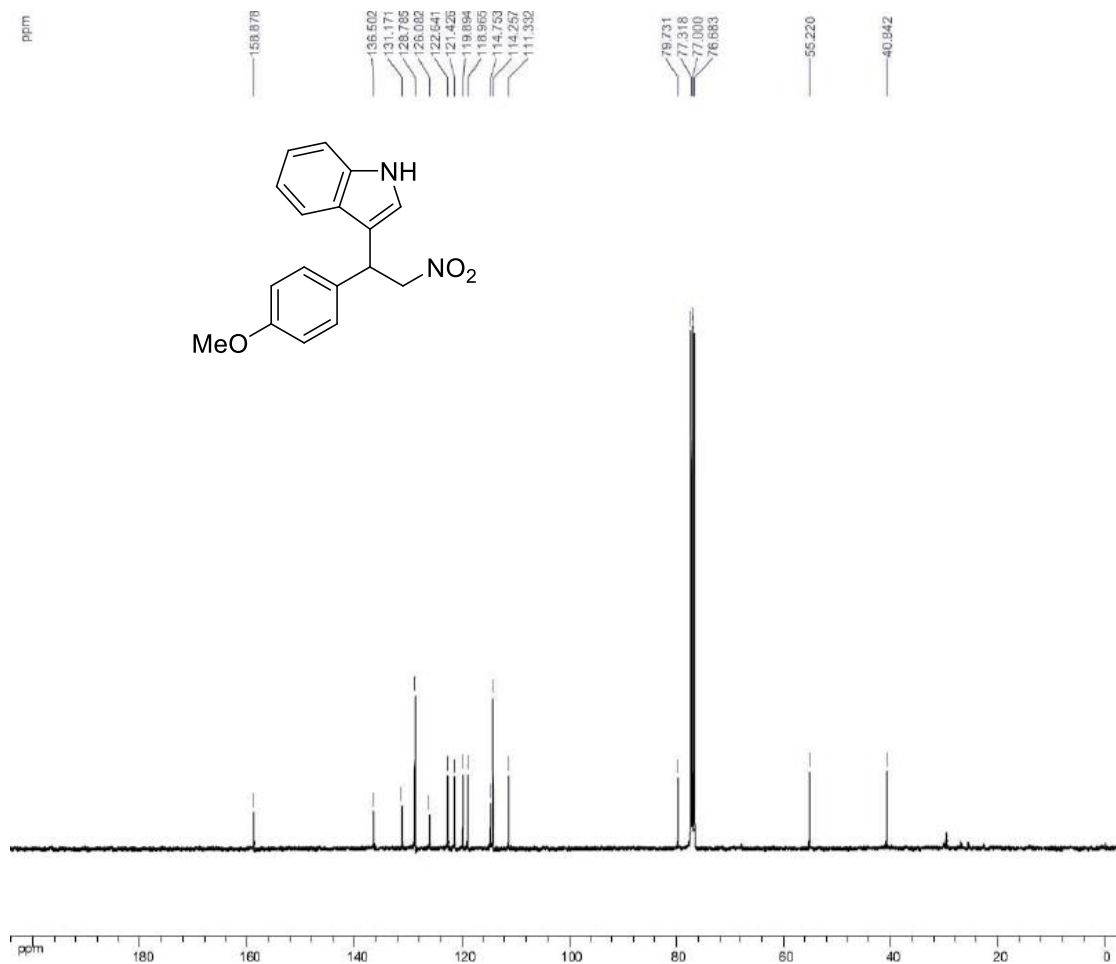


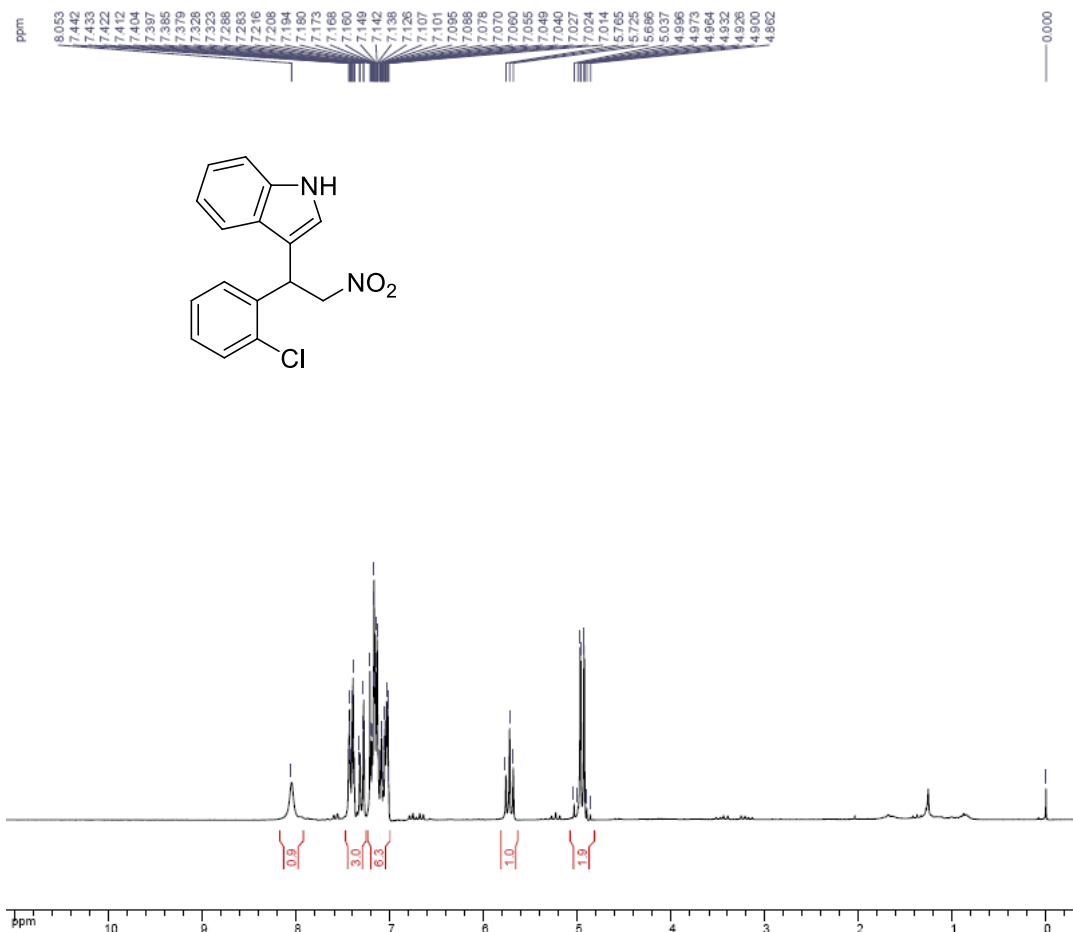


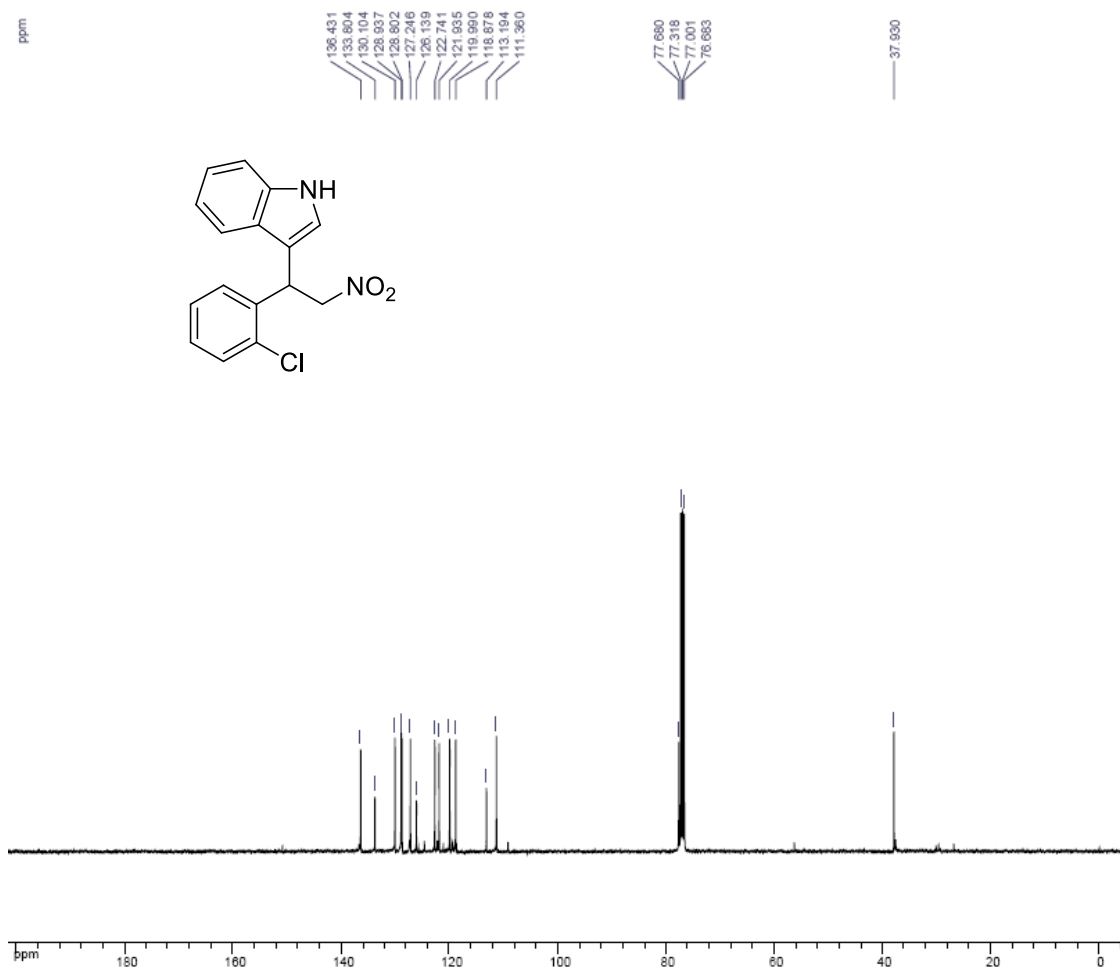




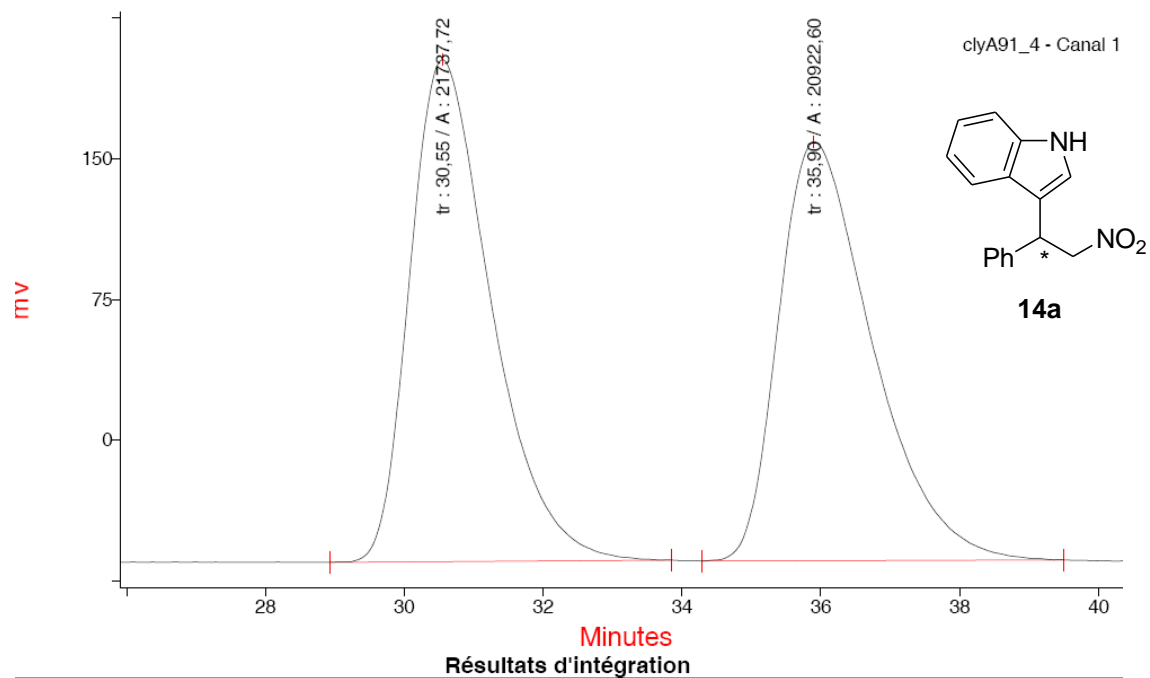




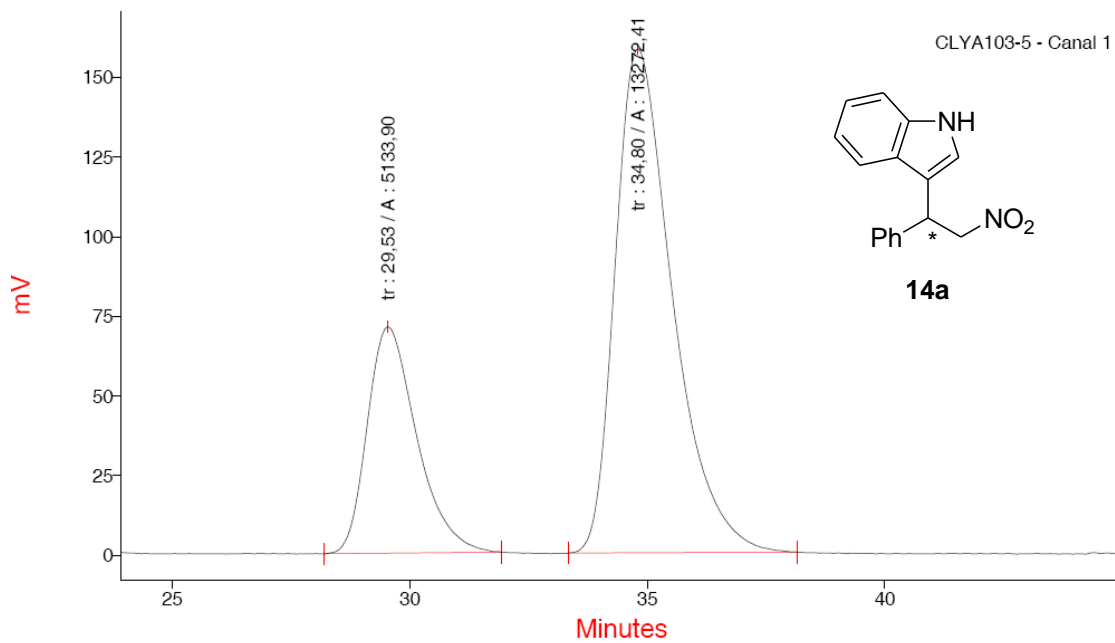




HPLC Data

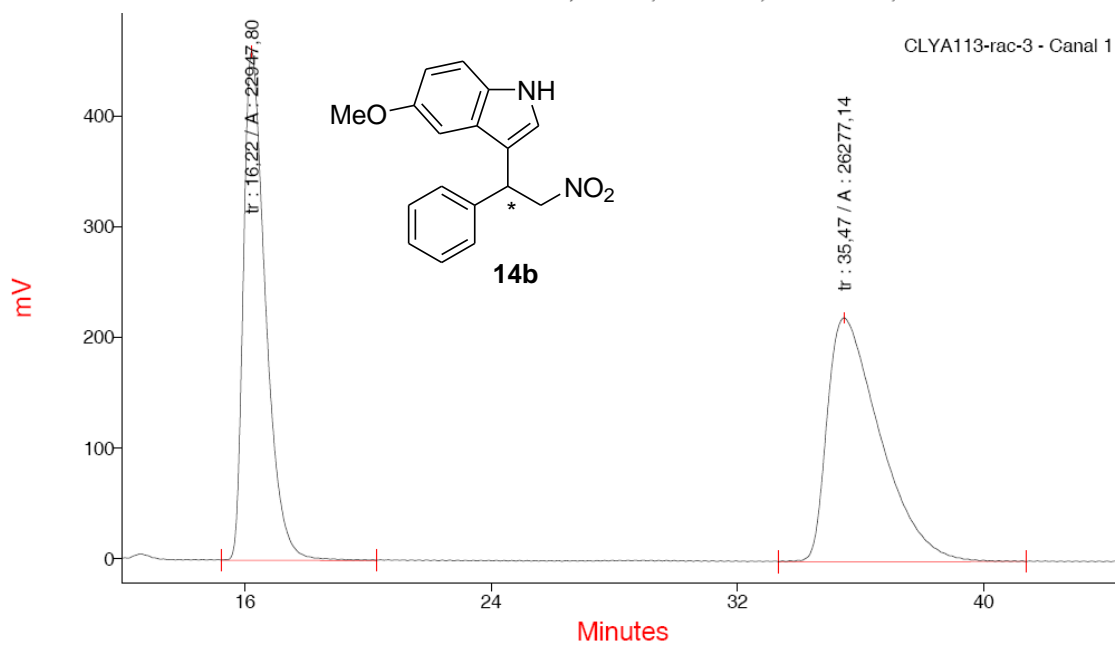


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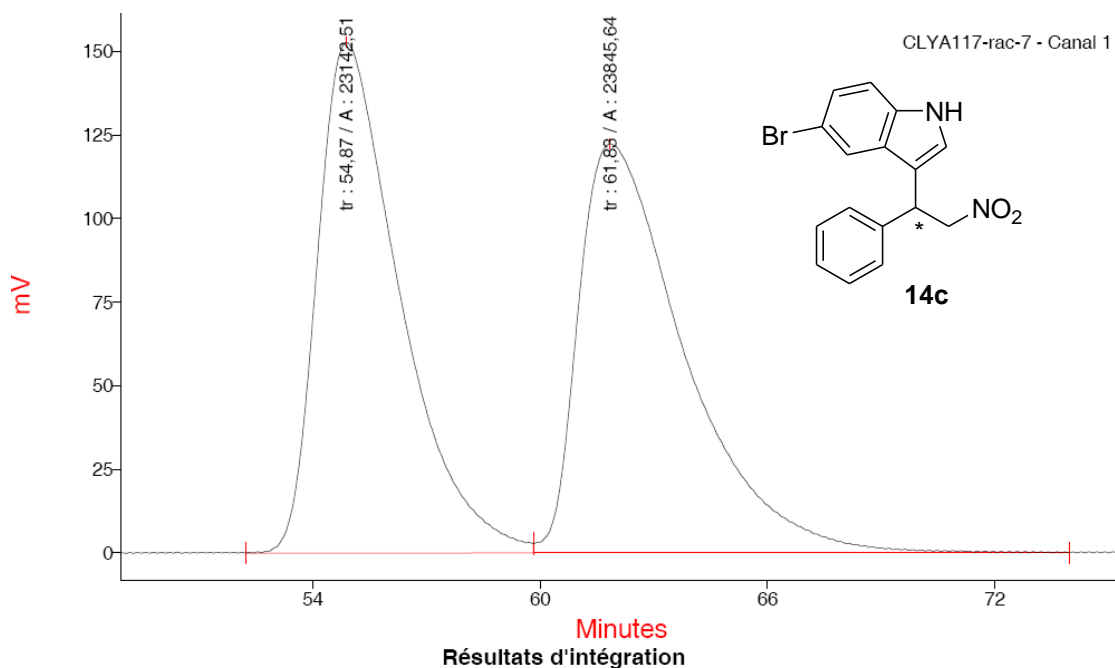
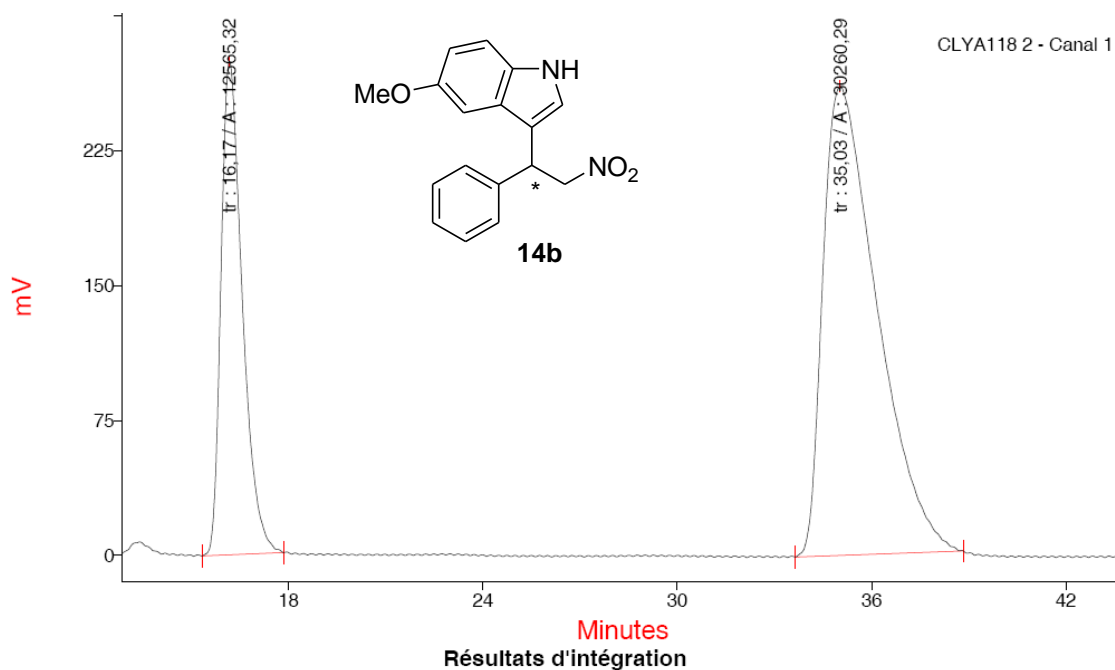
Résultats d'intégration

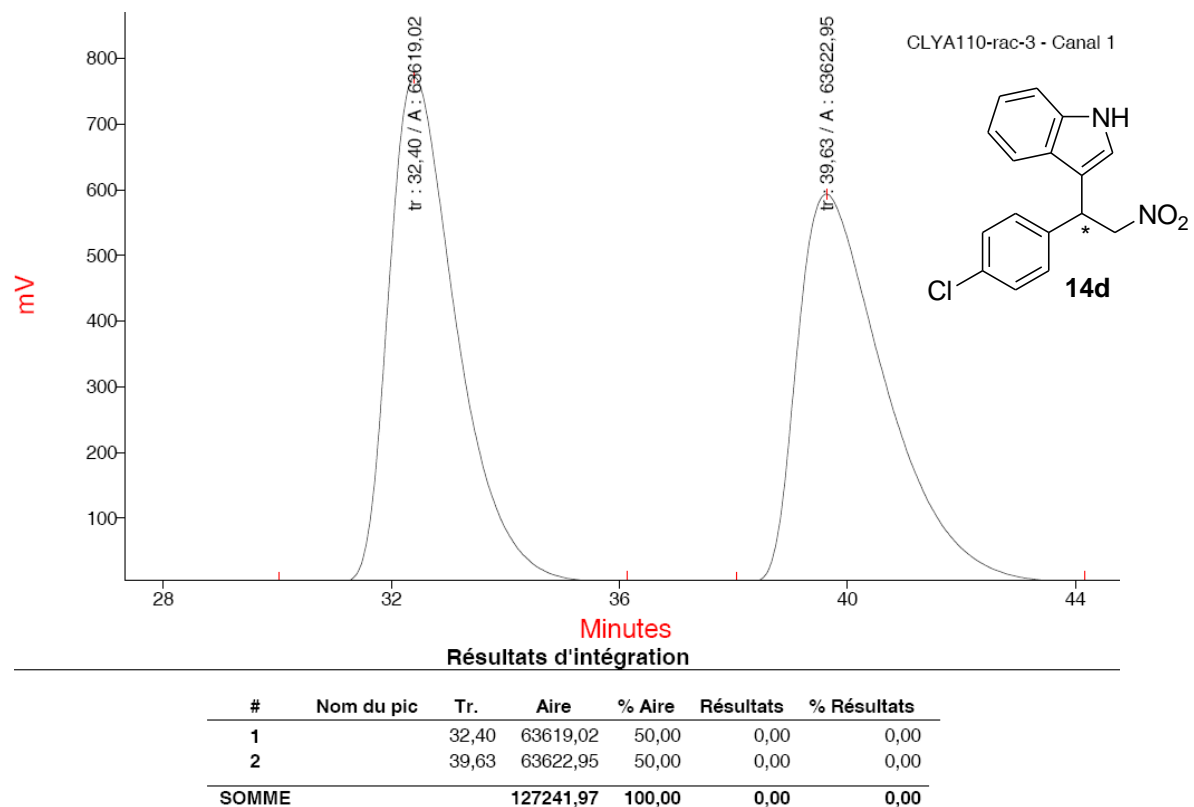
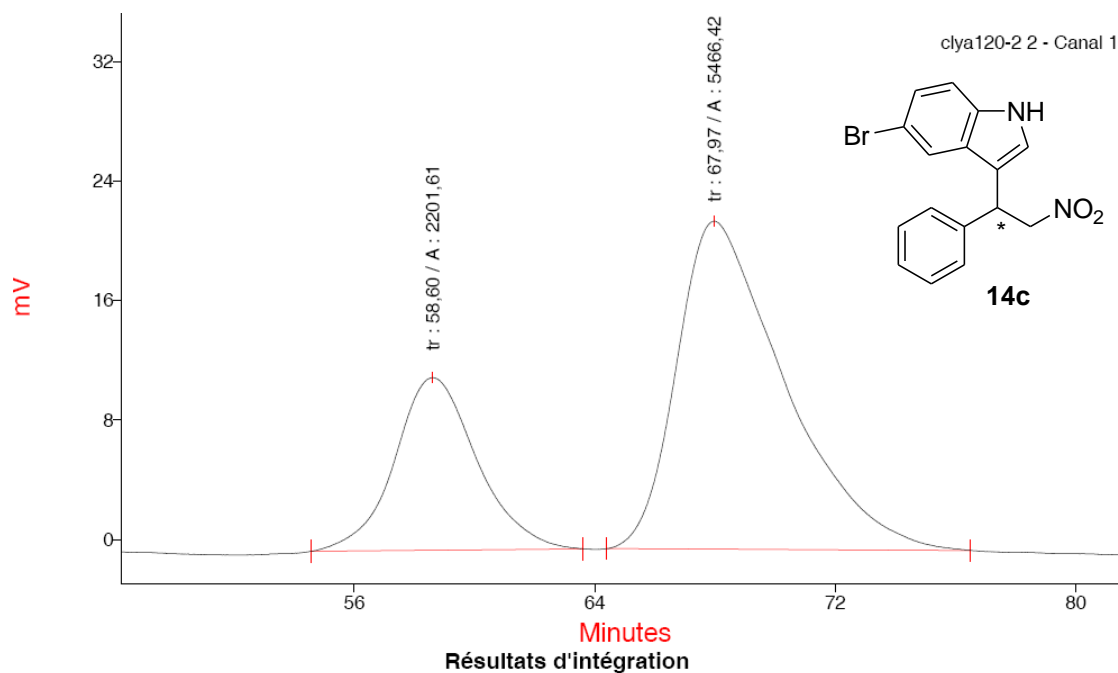
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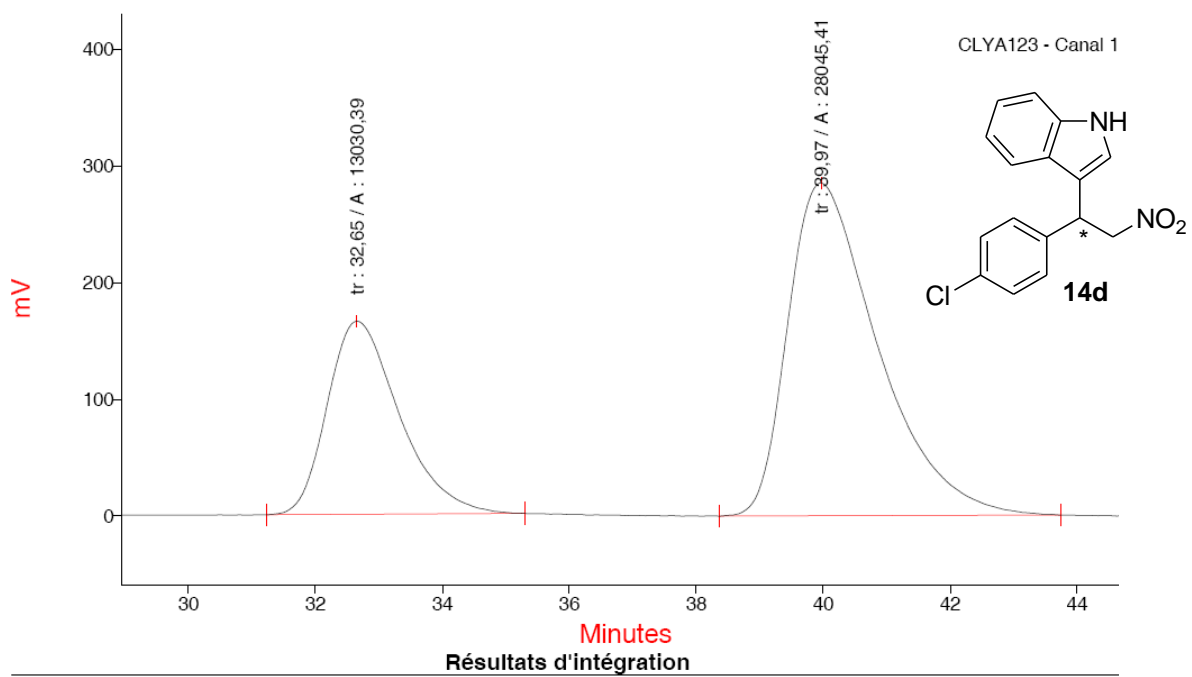


Résultats d'intégration

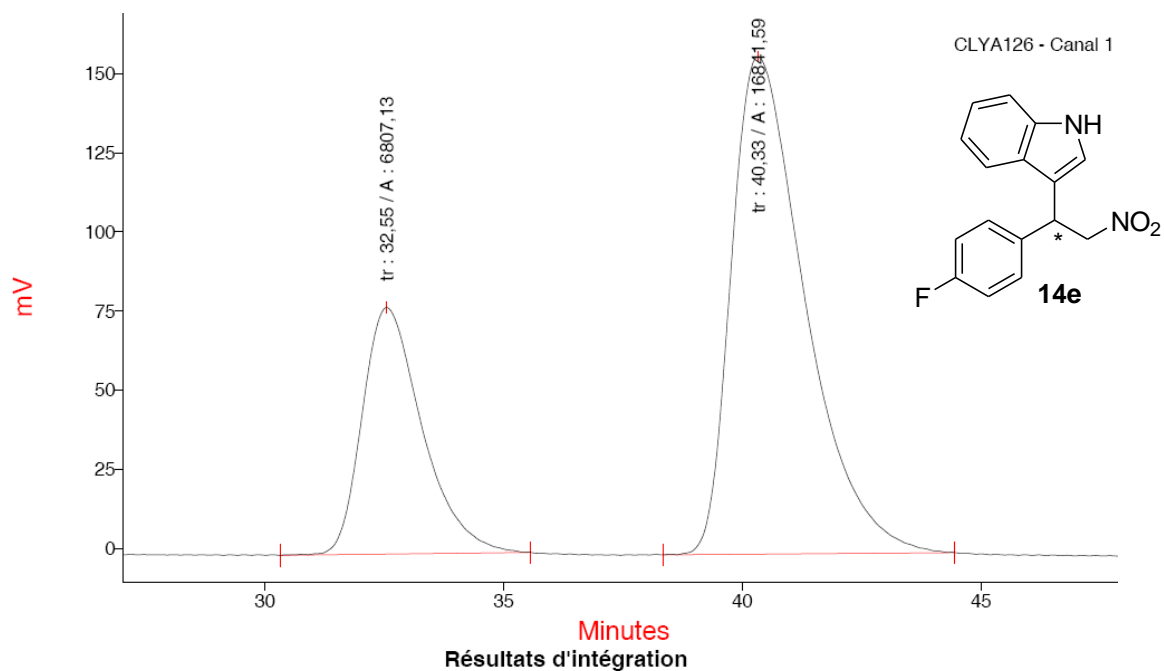
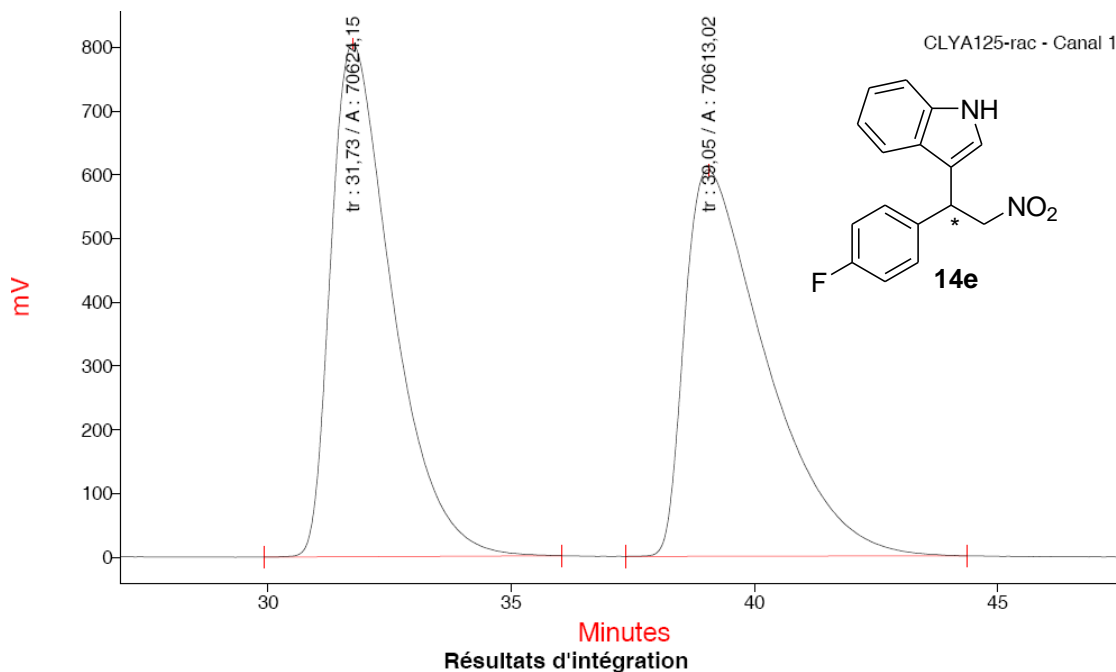
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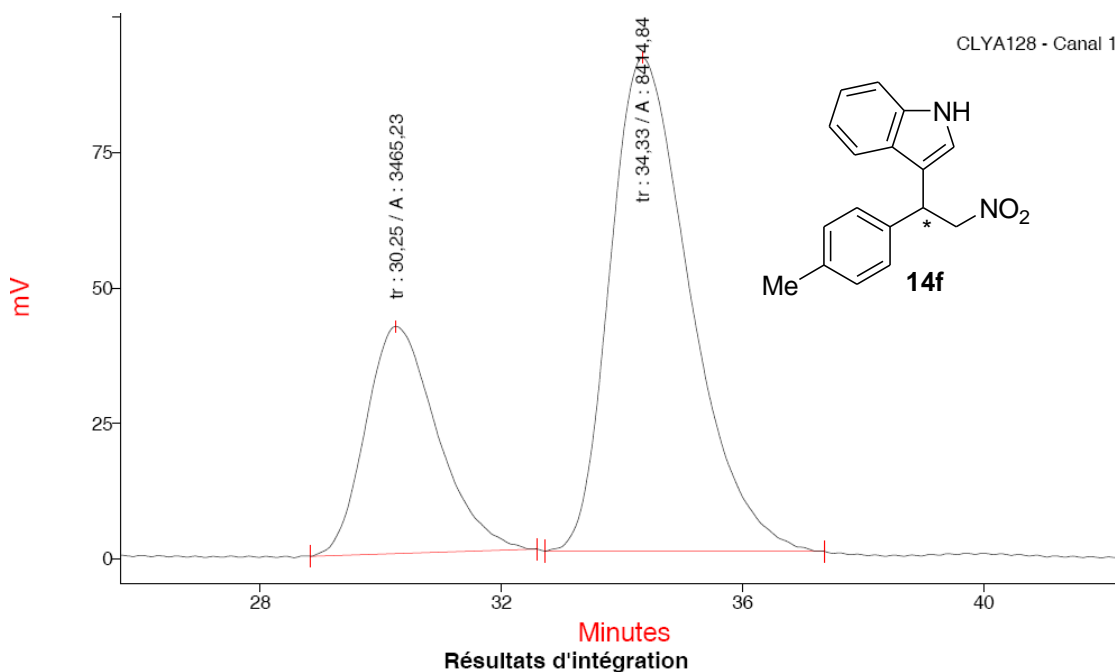
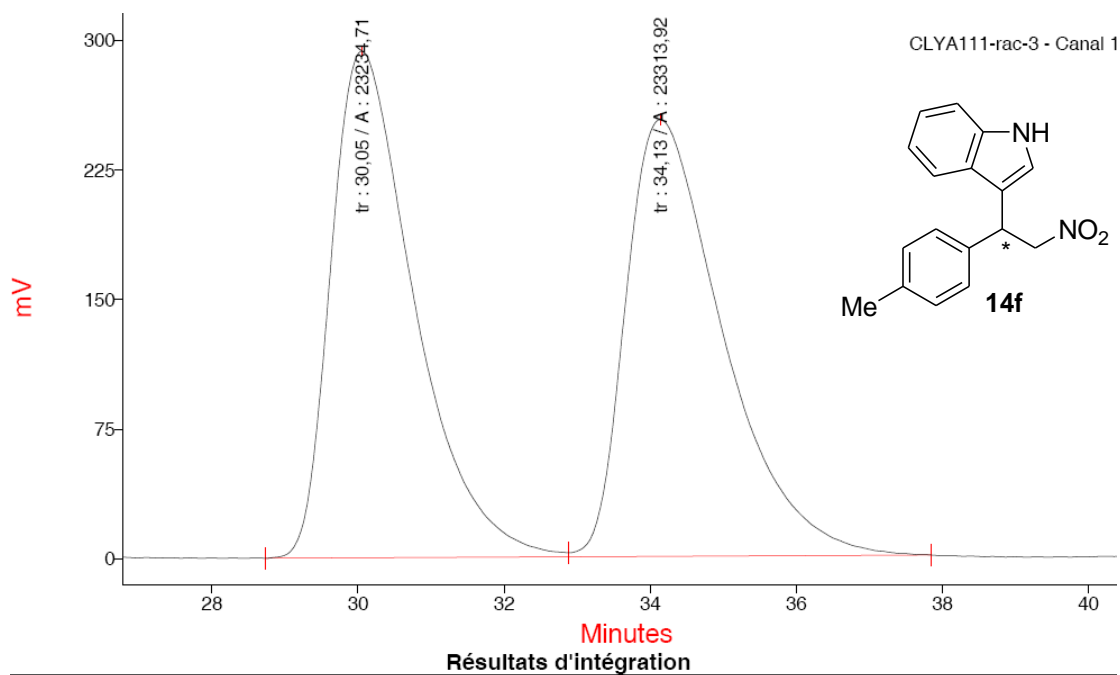


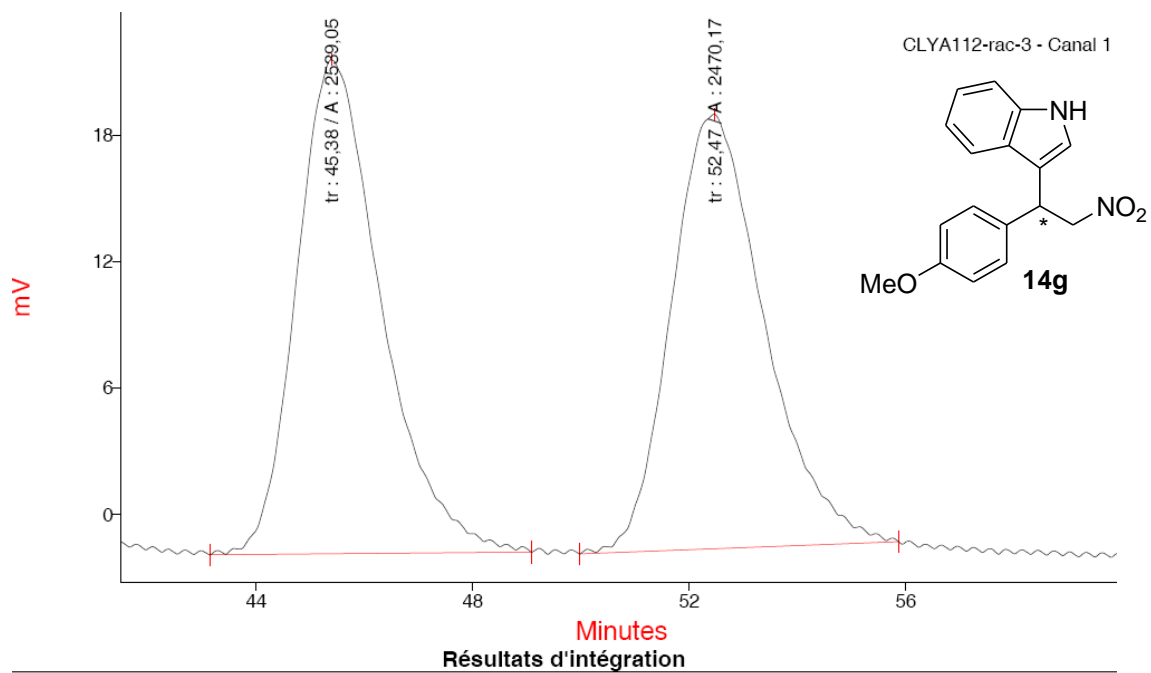


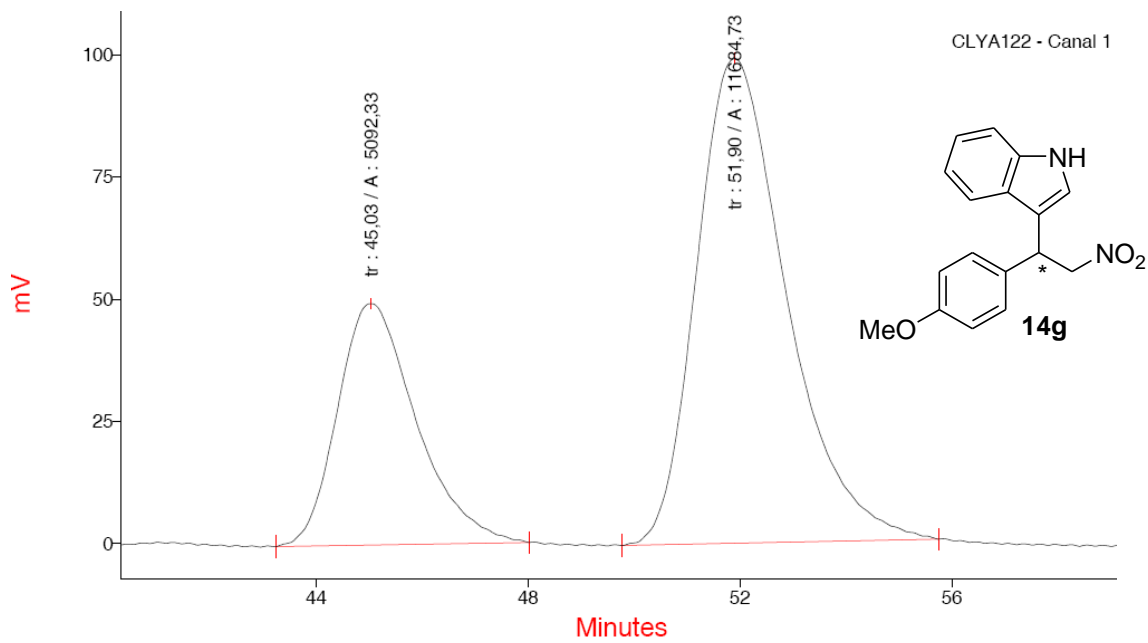


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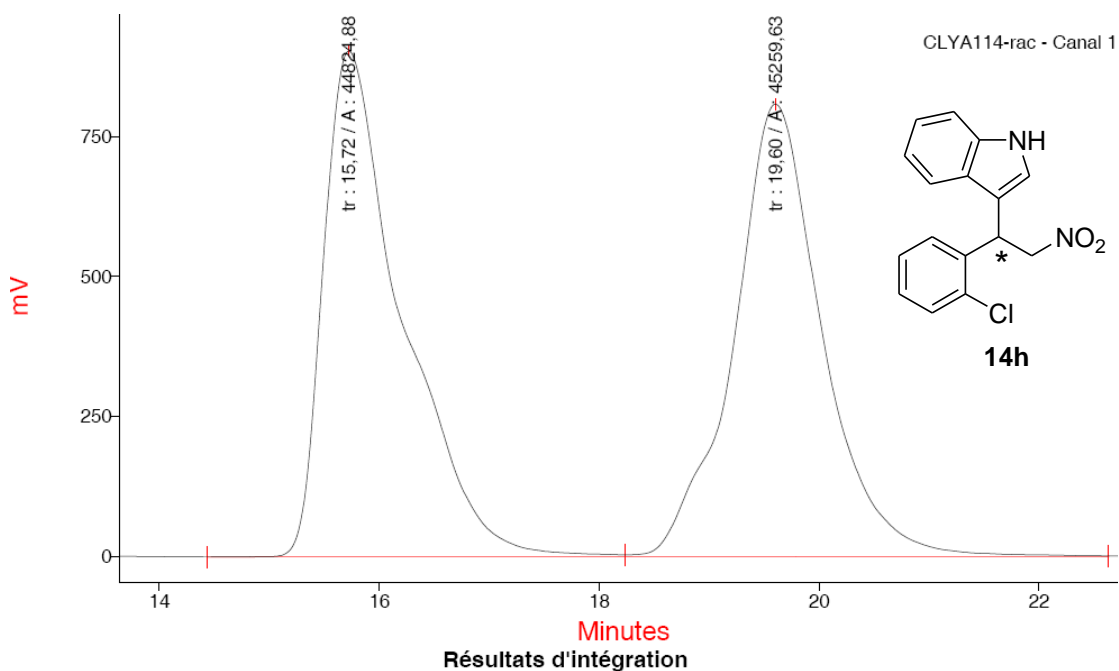




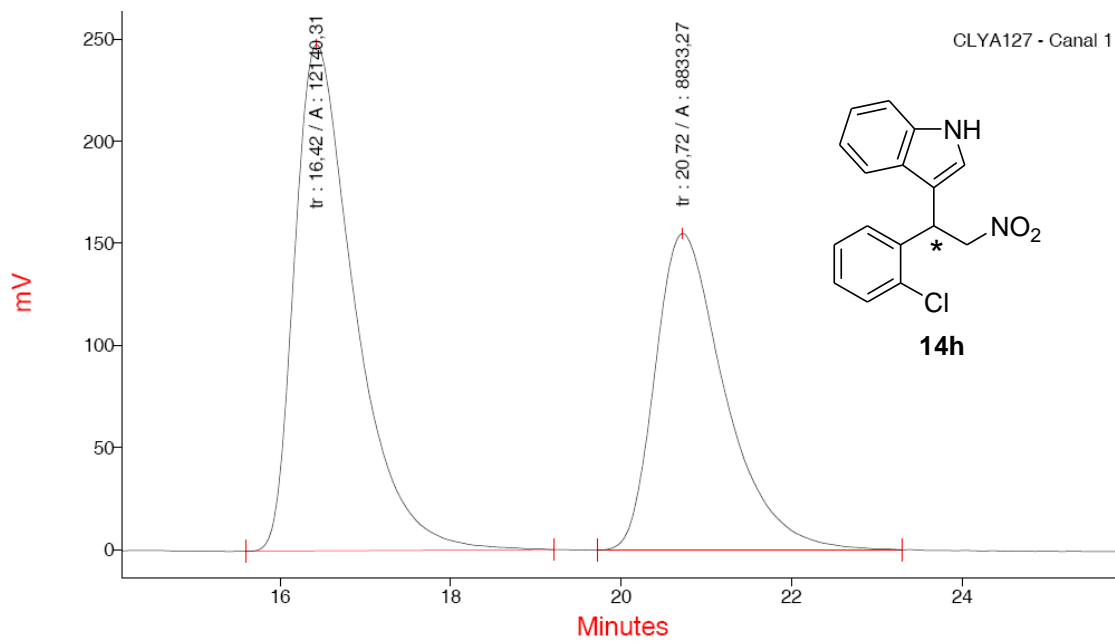




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Résultats d'intégration

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