

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

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NMR data

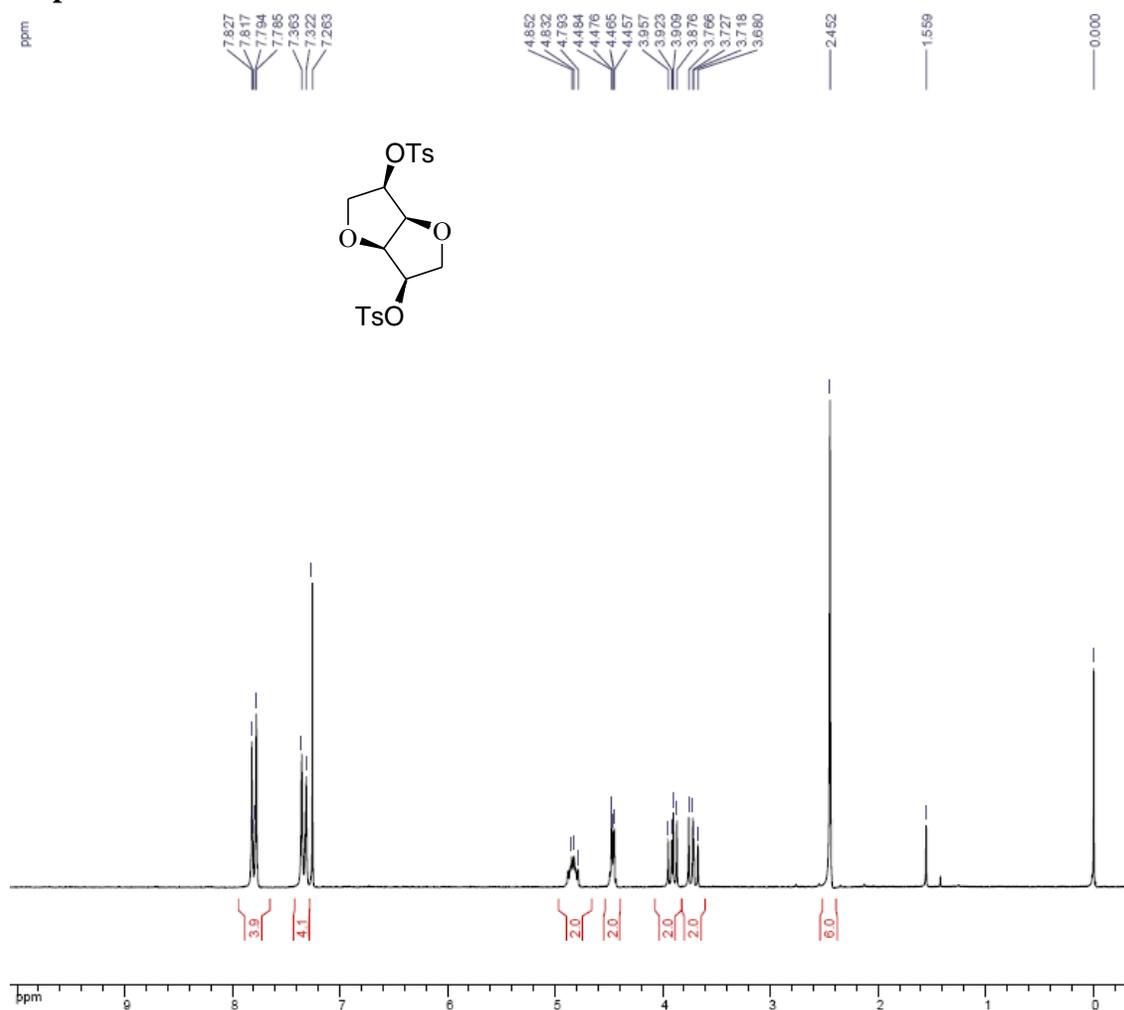
- ¹H NMR spectrum of compound **7**: S3
- ¹³C NMR spectrum of compound **7**: S4
- ¹H NMR spectrum of compound **8**: S5
- ¹³C NMR spectrum of compound **8**: S6
- ¹H NMR spectrum of compound **9**: S7
- ¹³C NMR spectrum of compound **9**: S8
- ¹H NMR spectrum of compound **10**: S9
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- ¹H NMR spectrum of compound **6**: S11
- ¹³C NMR spectrum of compound **6**: S12
- ¹H NMR spectrum of compound **1**: S13
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- ¹H NMR spectrum of compound **3**: S16
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- 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

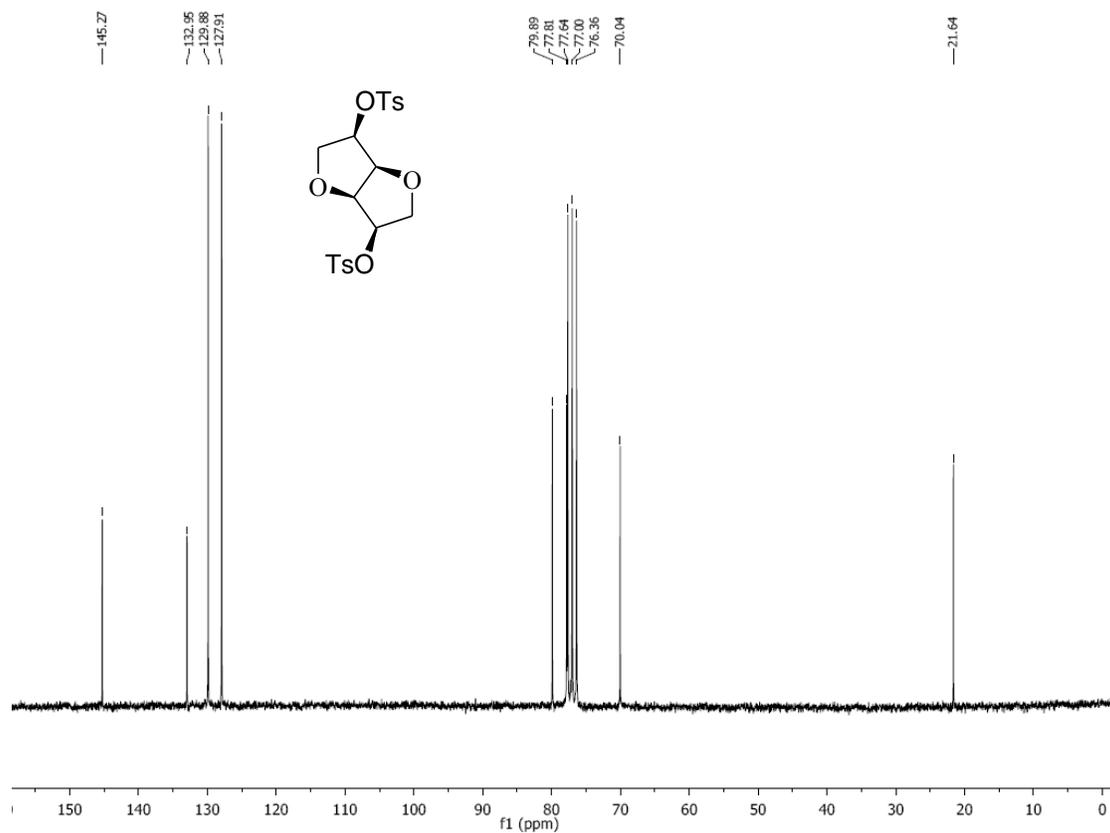
¹ H NMR spectrum of compound 14b :	S24
¹³ C NMR spectrum of compound 14b :	S25
¹ H NMR spectrum of compound 14c :	S26
¹³ C NMR spectrum of compound 14c :	S27
¹ H NMR spectrum of compound 14d :	S28
¹³ C NMR spectrum of compound 14d :	S29
¹ H NMR spectrum of compound 14e :	S30
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¹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

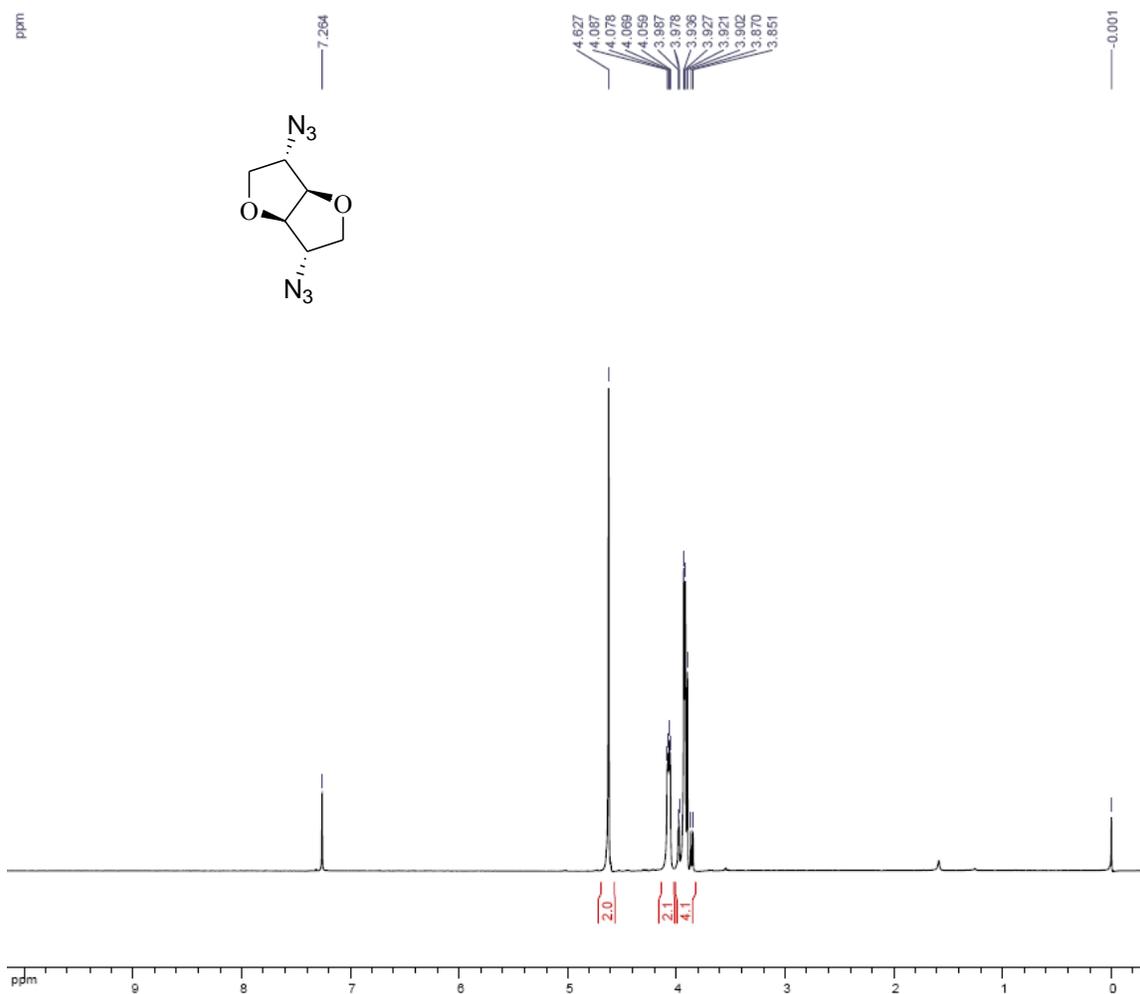
**Catalytic enantioselective Friedel-Crafts alkylation in the presence of thiourea catalyst 2:
HPLC chromatograms**

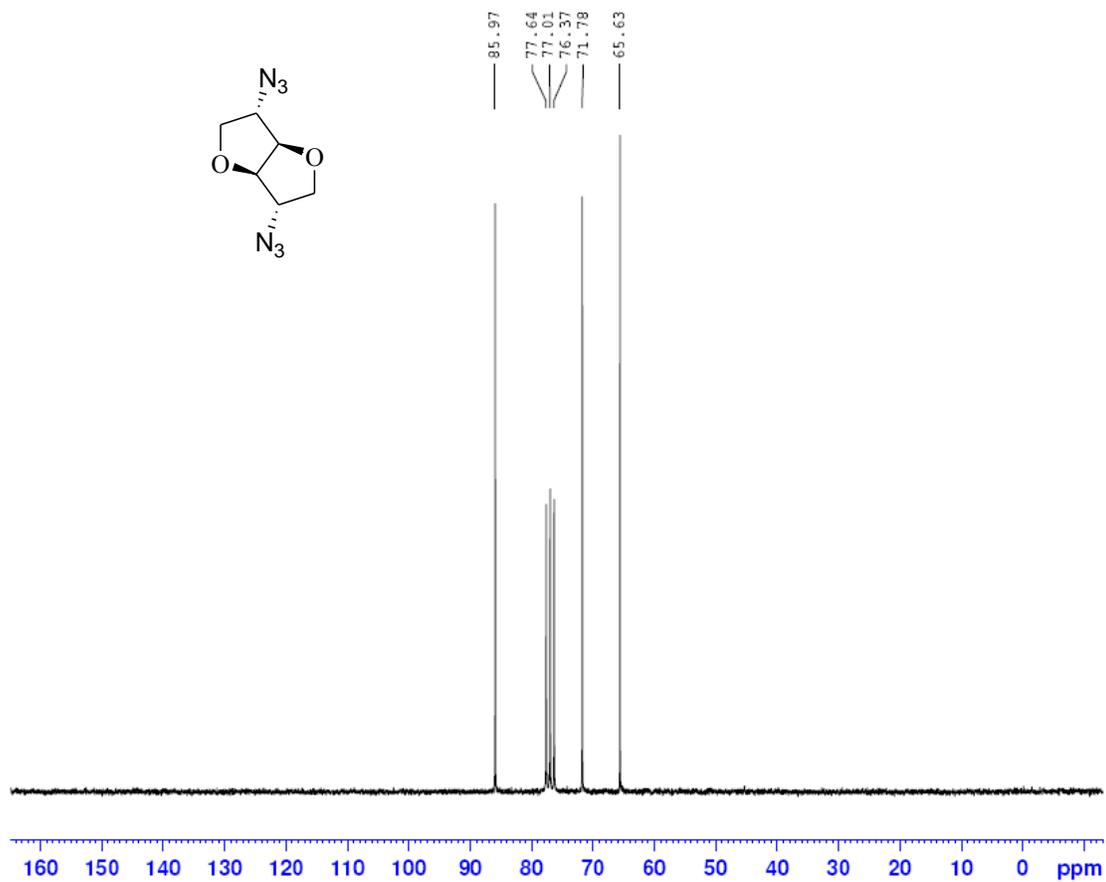
Formation of compound 14a :	S38
Formation of compound 14a :	S39
Formation of compound 14b :	S39
Formation of compound 14b :	S40
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Formation of compound 14c :	S41
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Formation of compound 14g :	S45
Formation of compound 14g :	S46
Formation of compound 14h :	S46
Formation of compound 14h :	S47

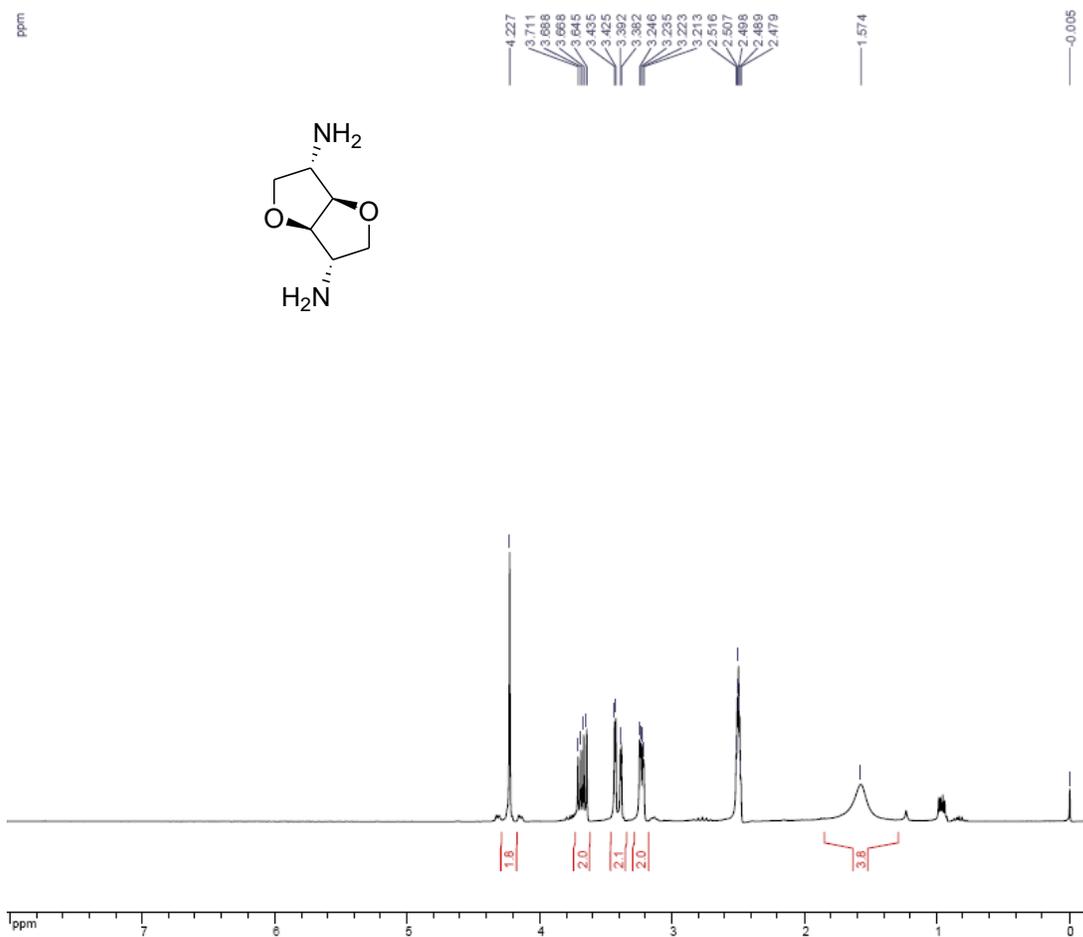
NMR Spectra

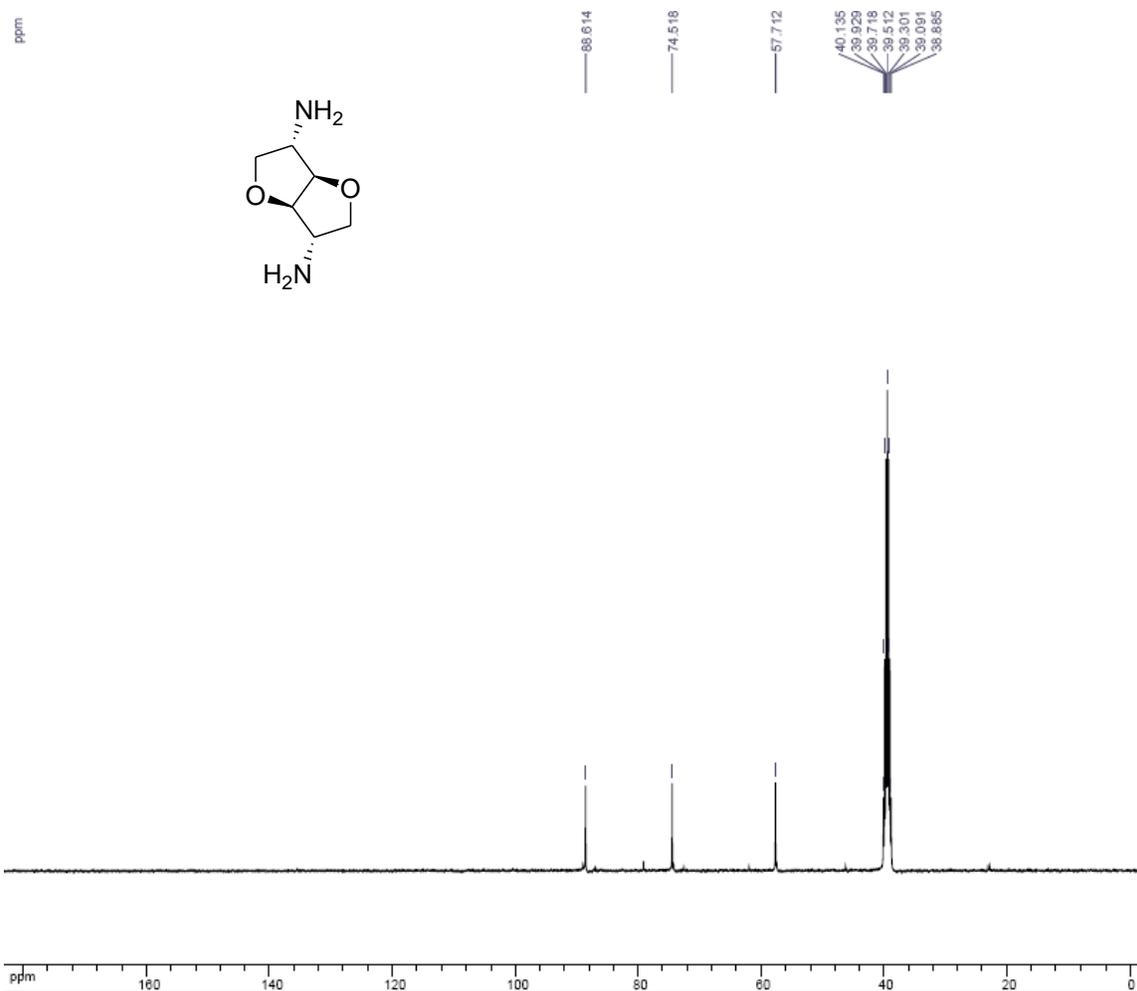


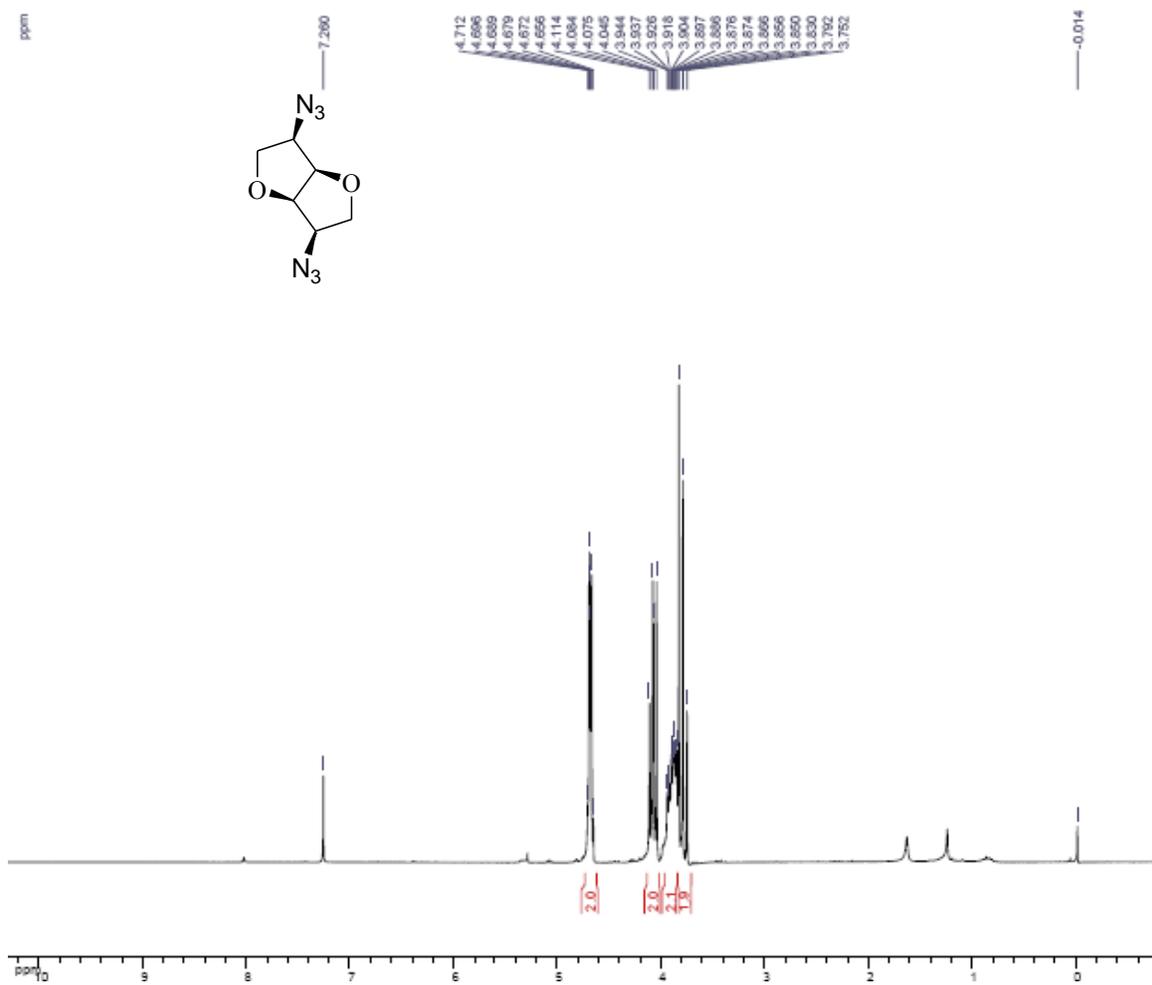


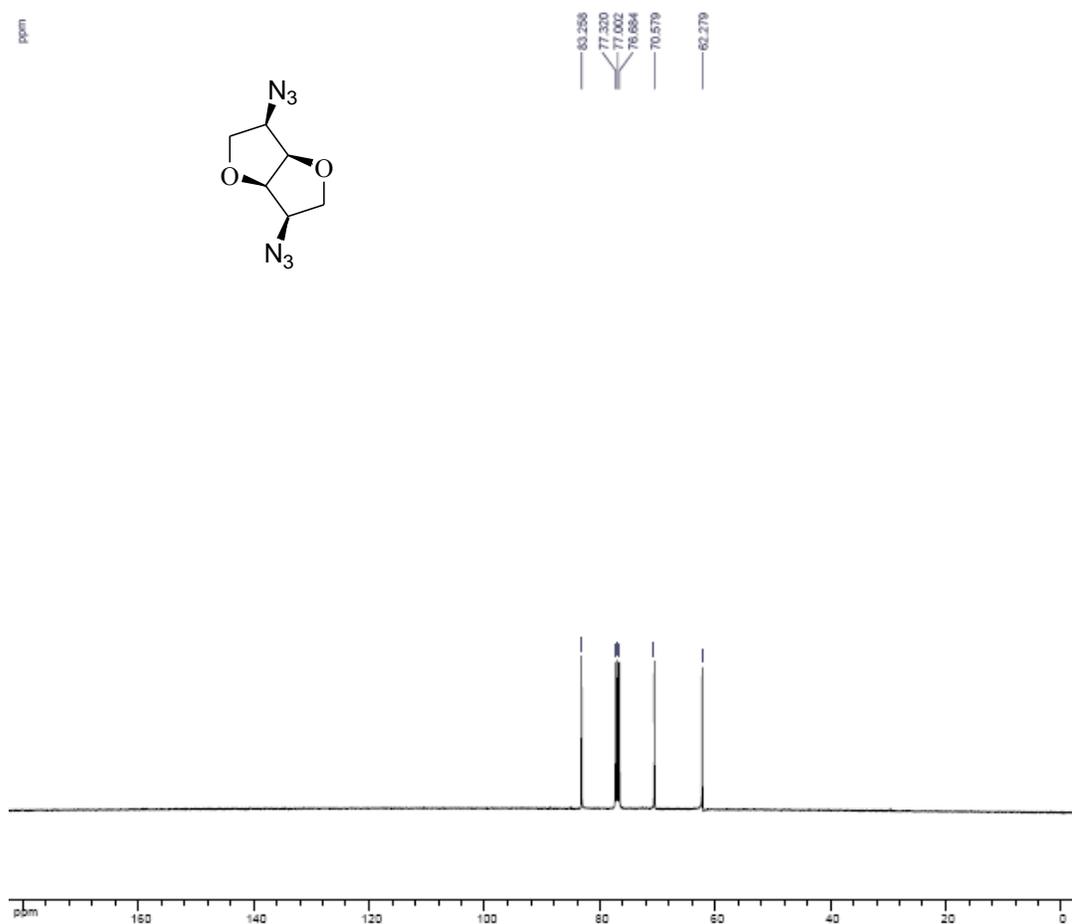


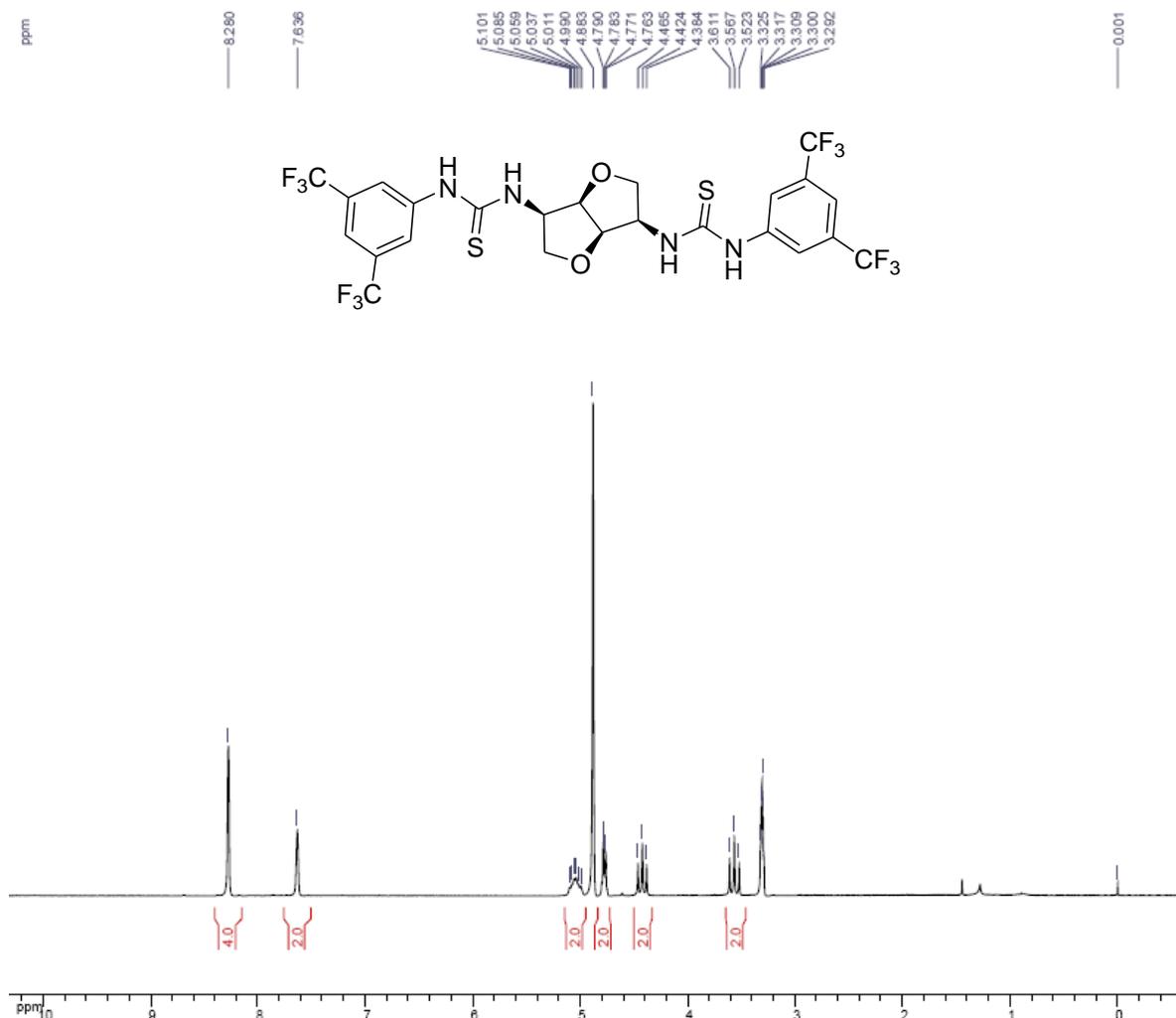


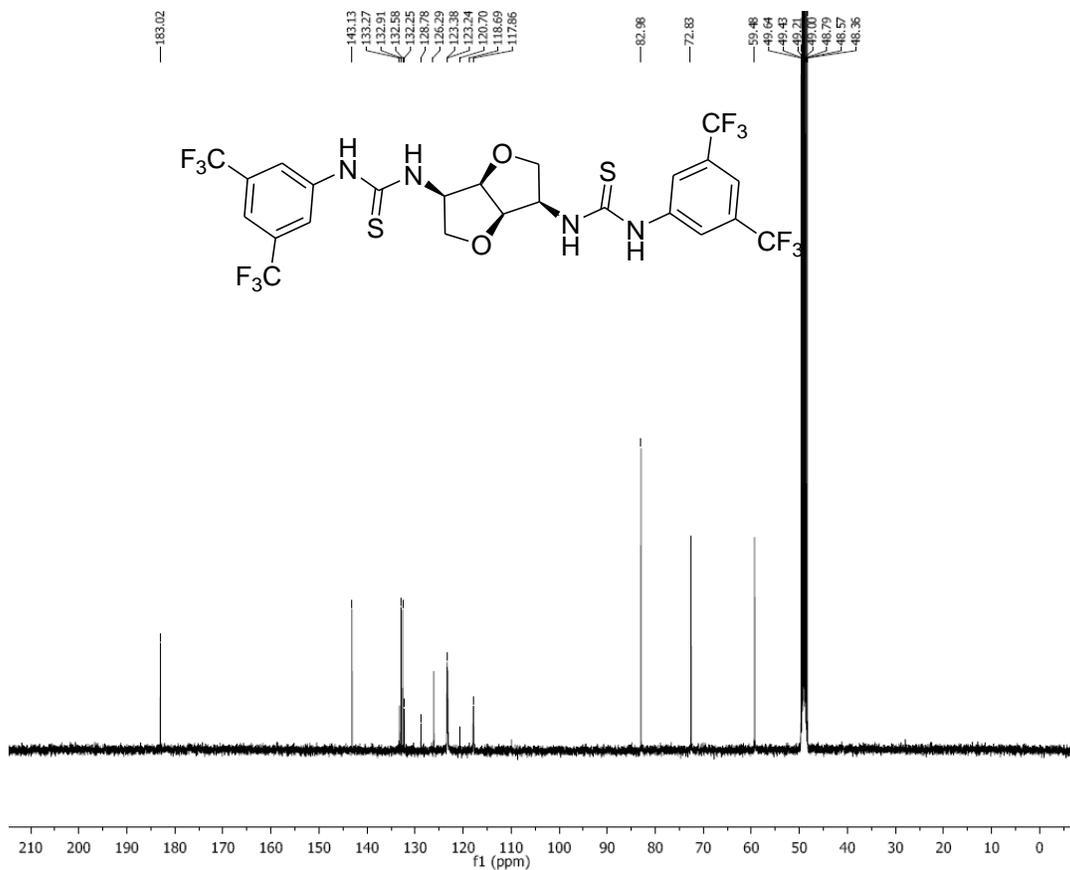


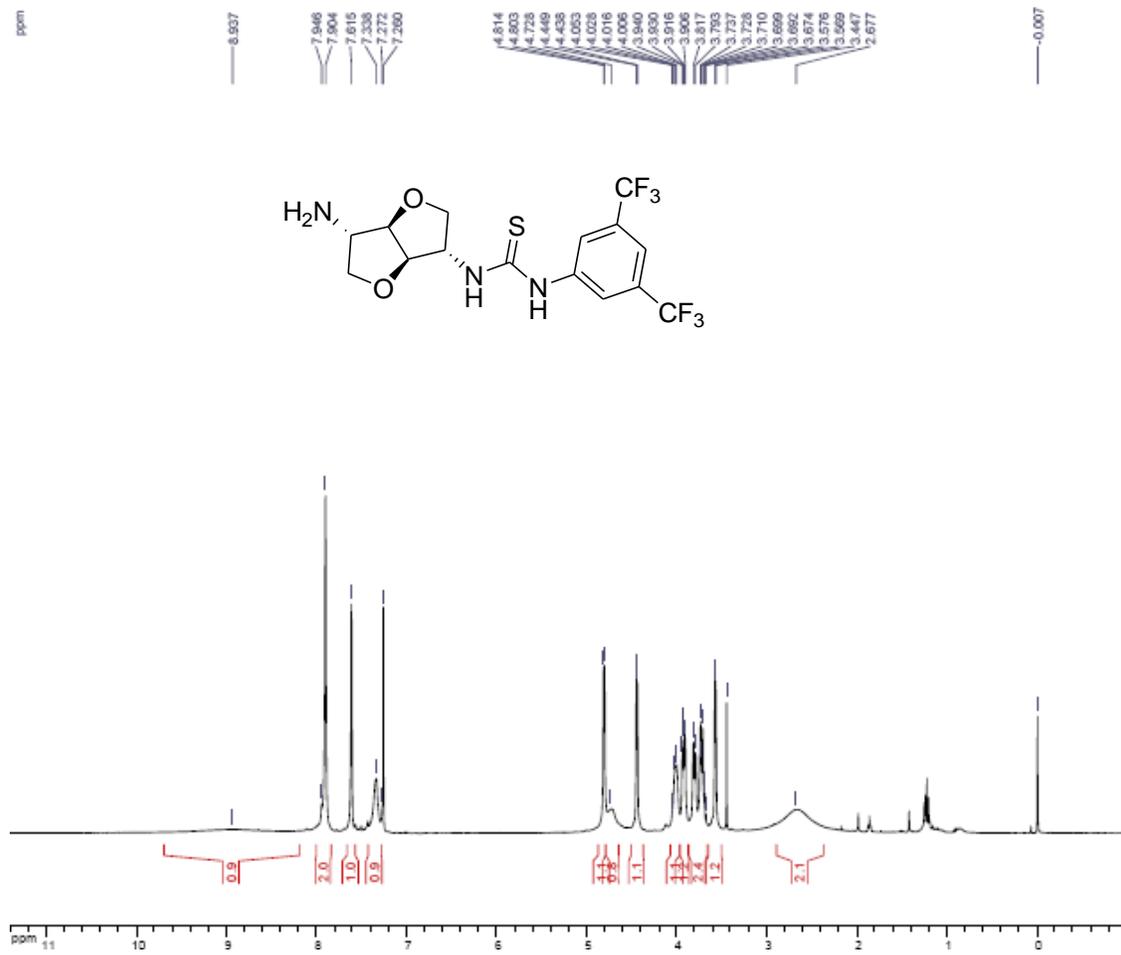


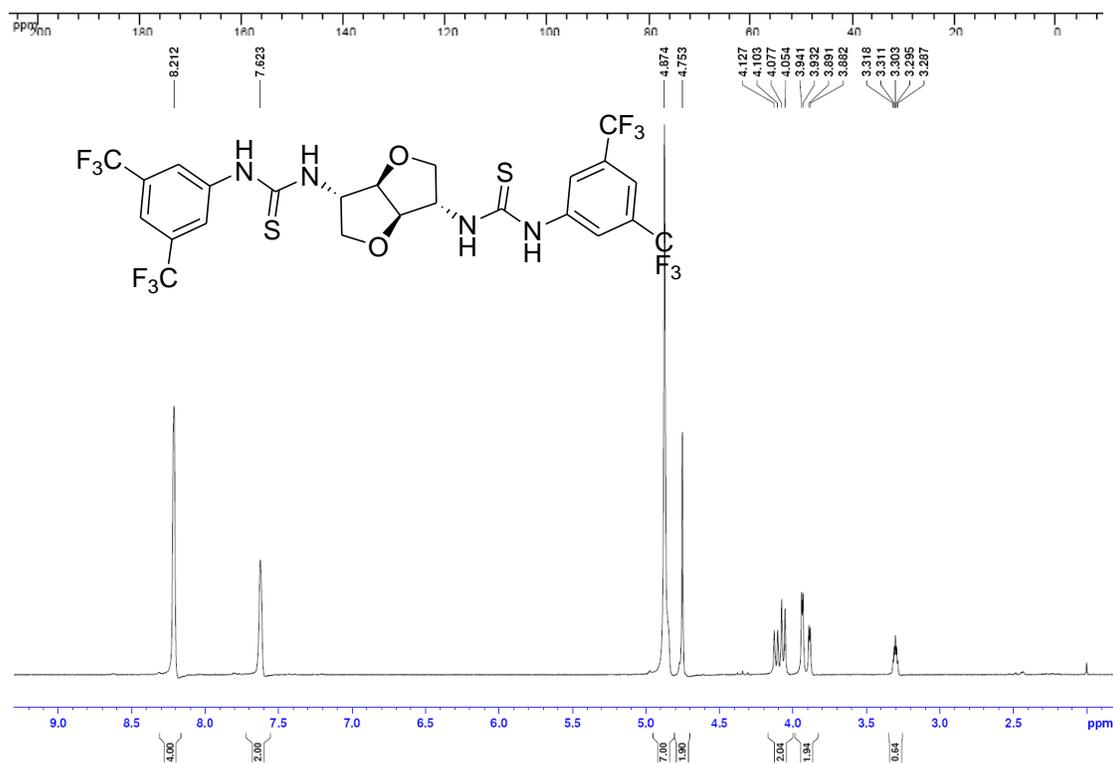
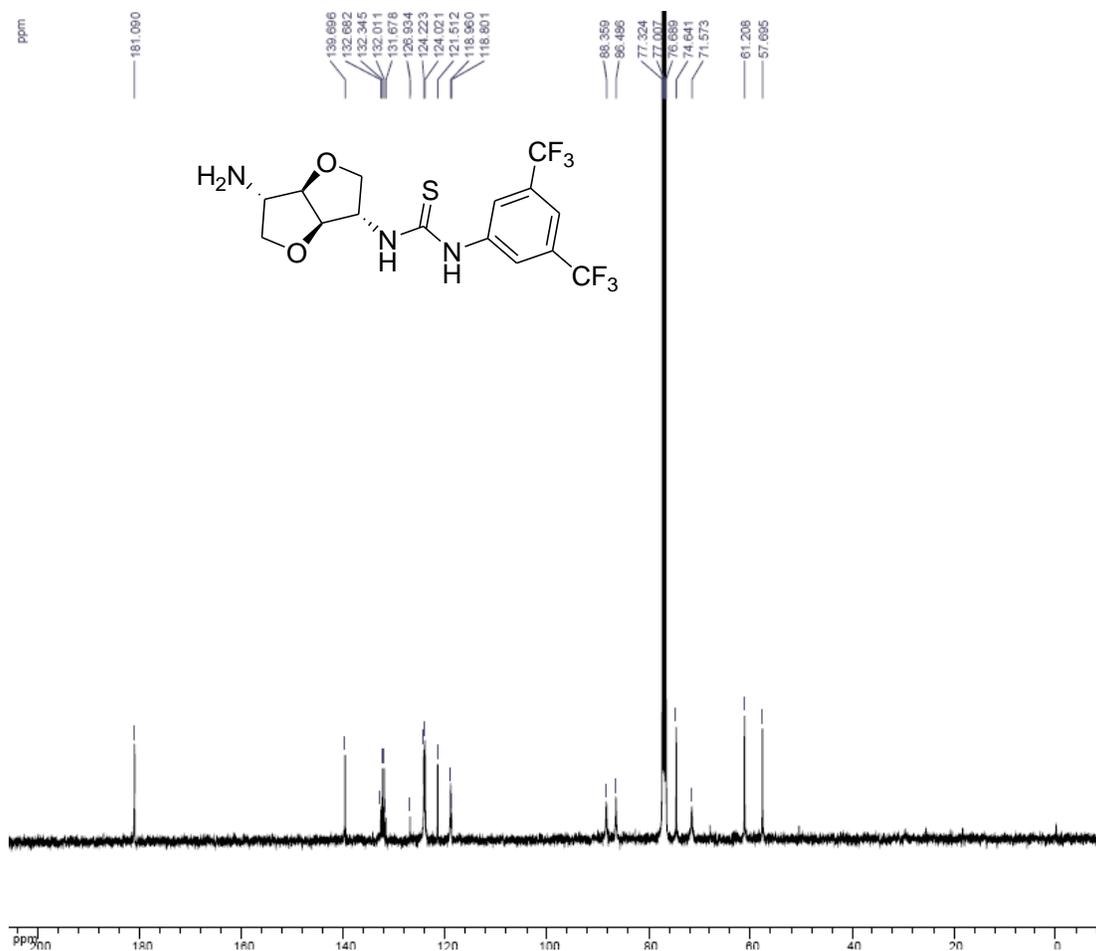


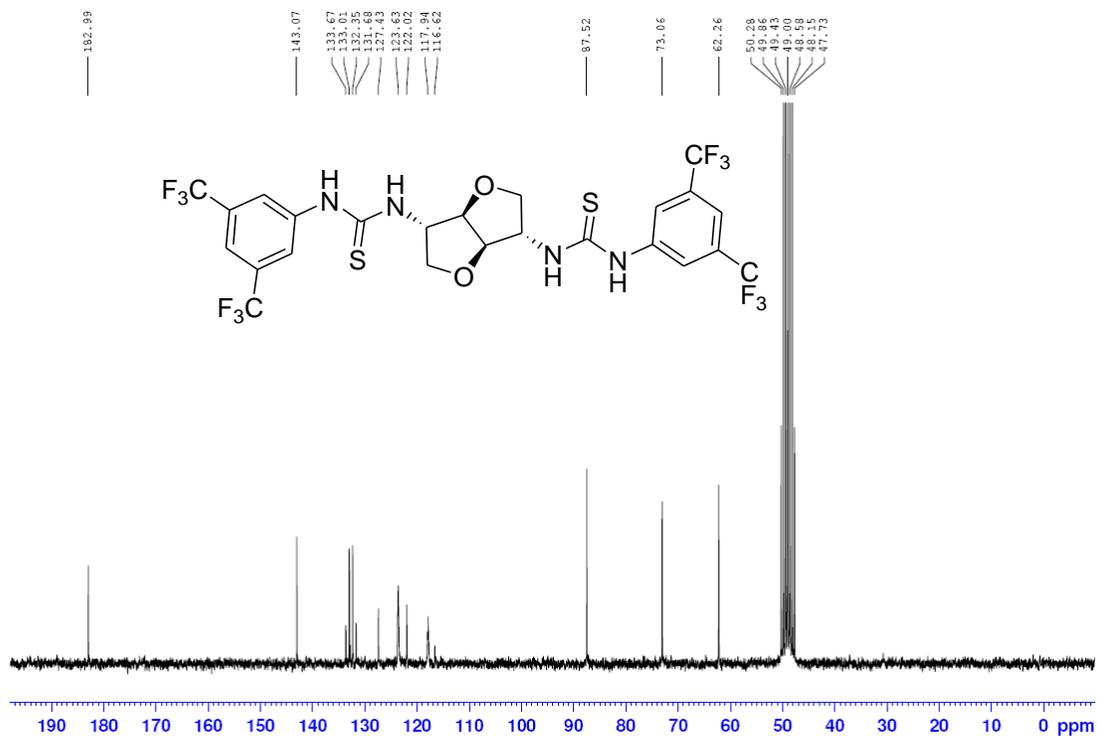


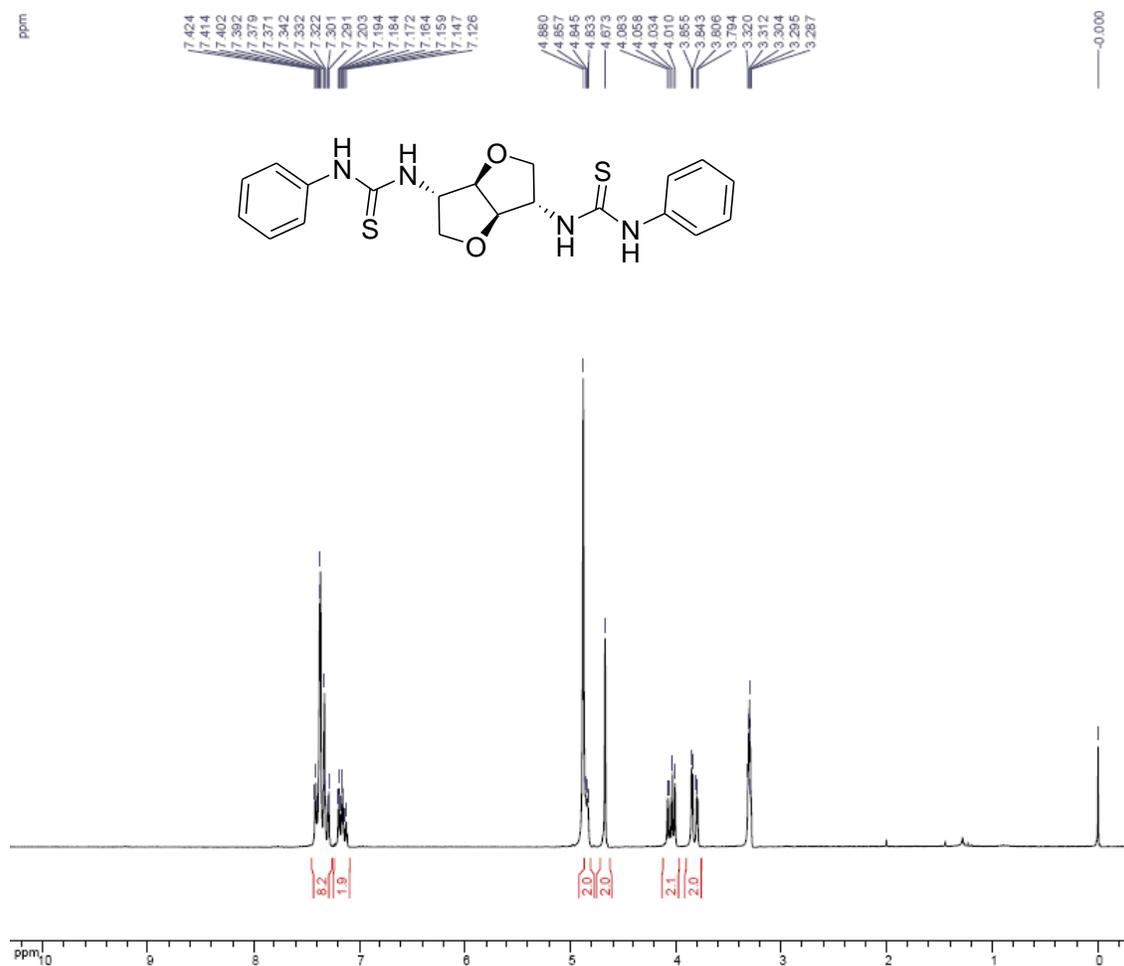


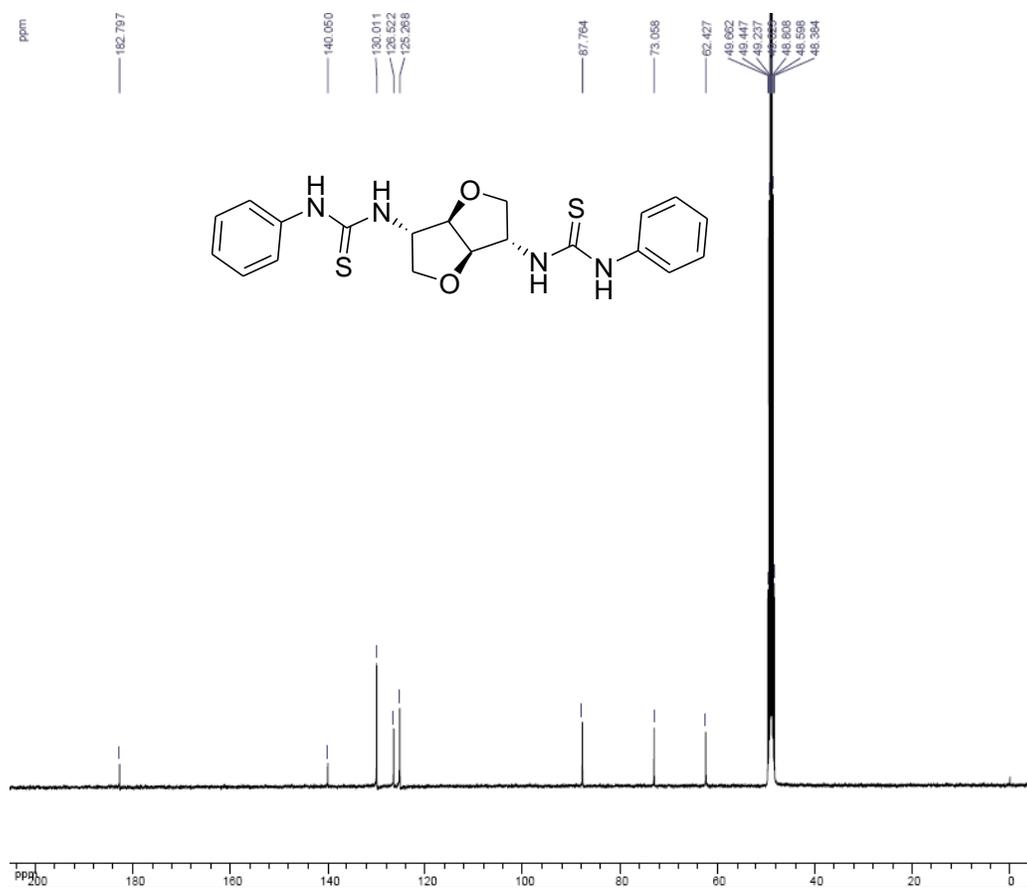


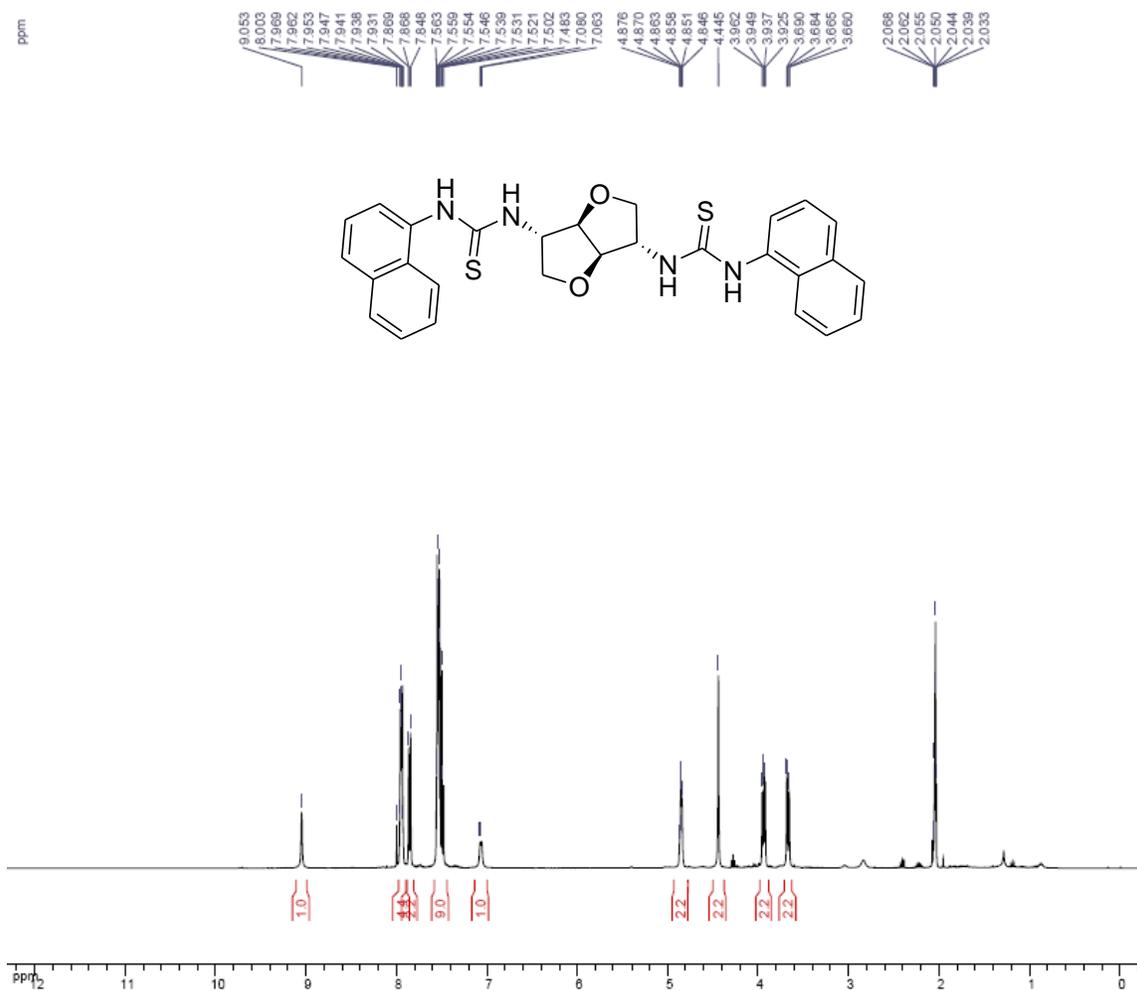


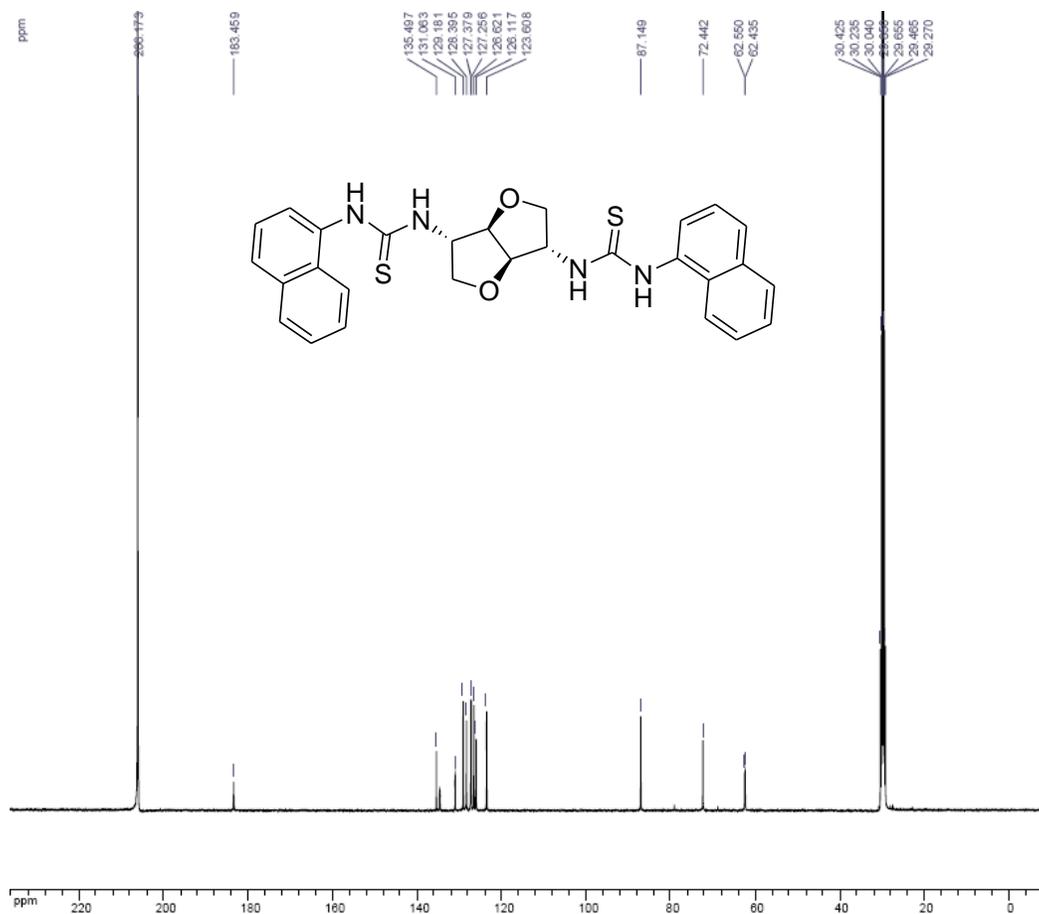


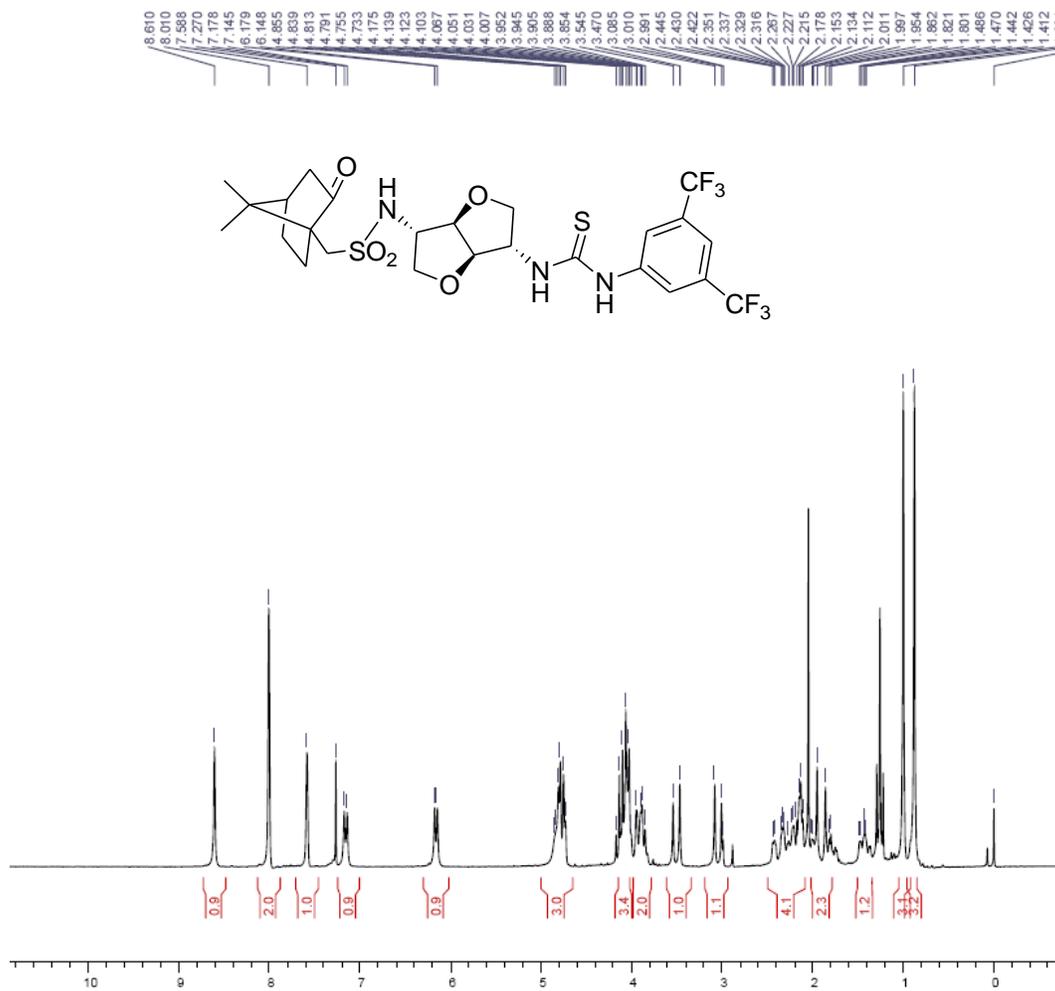


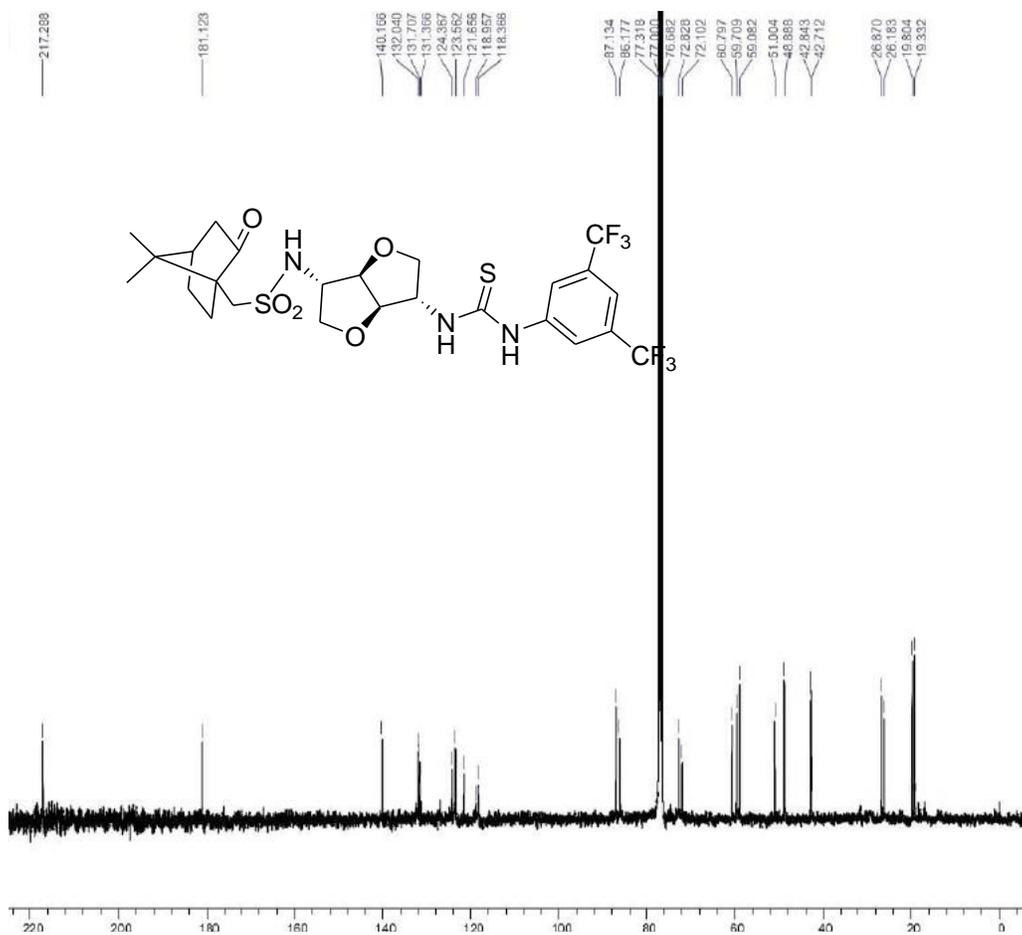


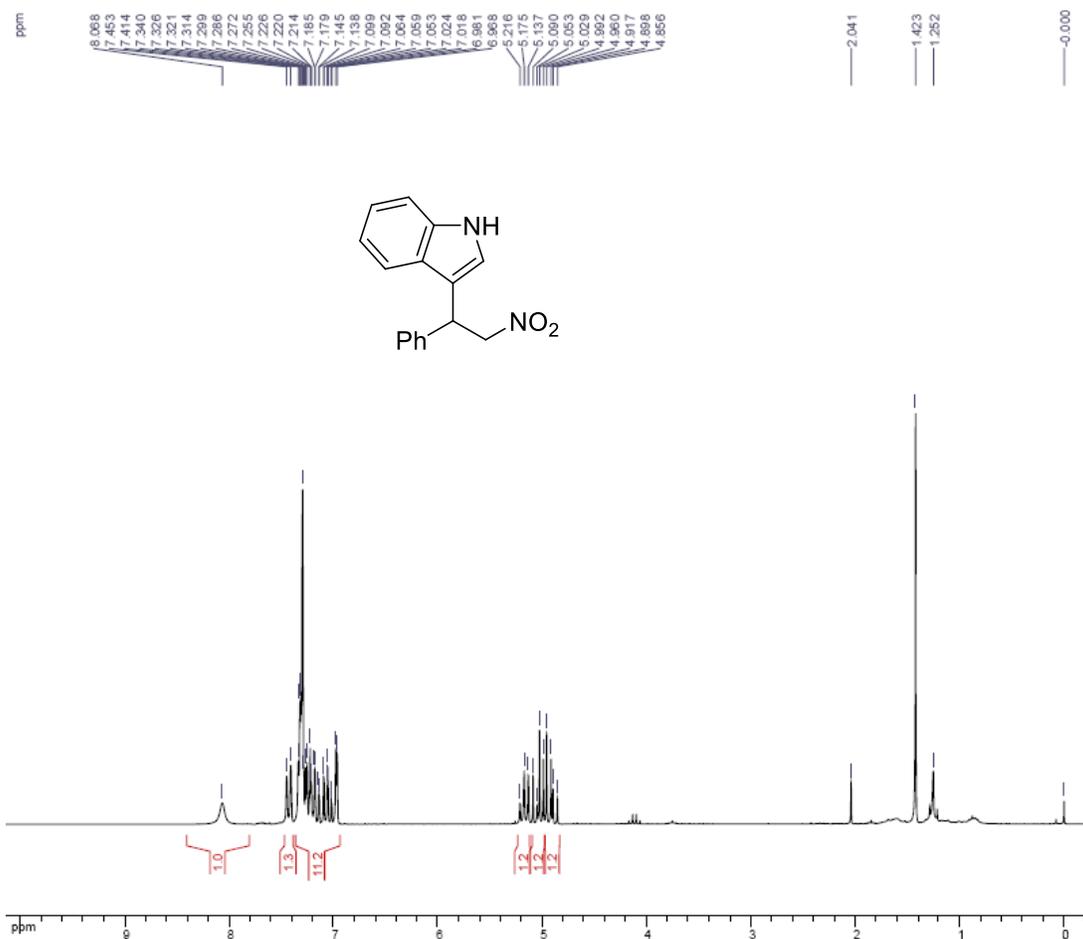


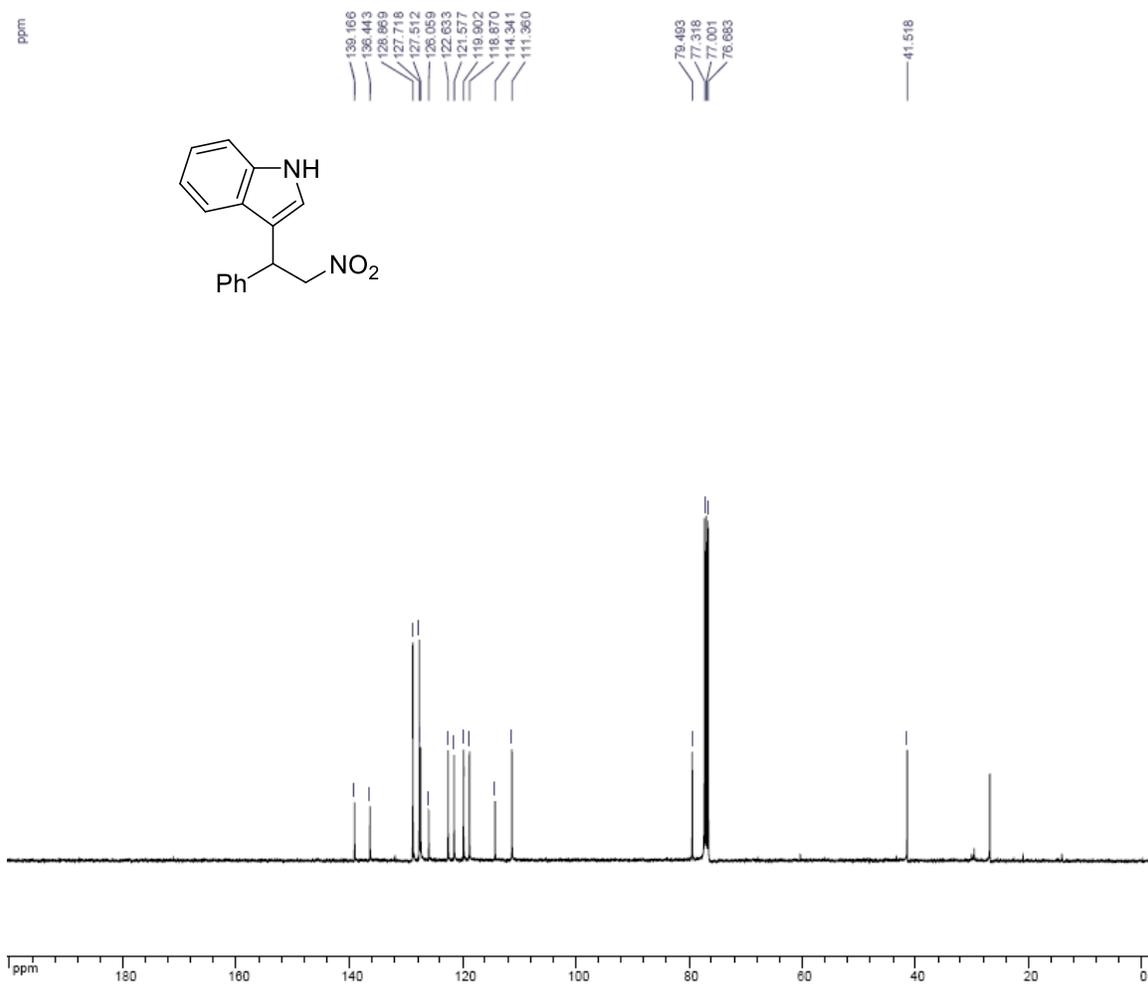


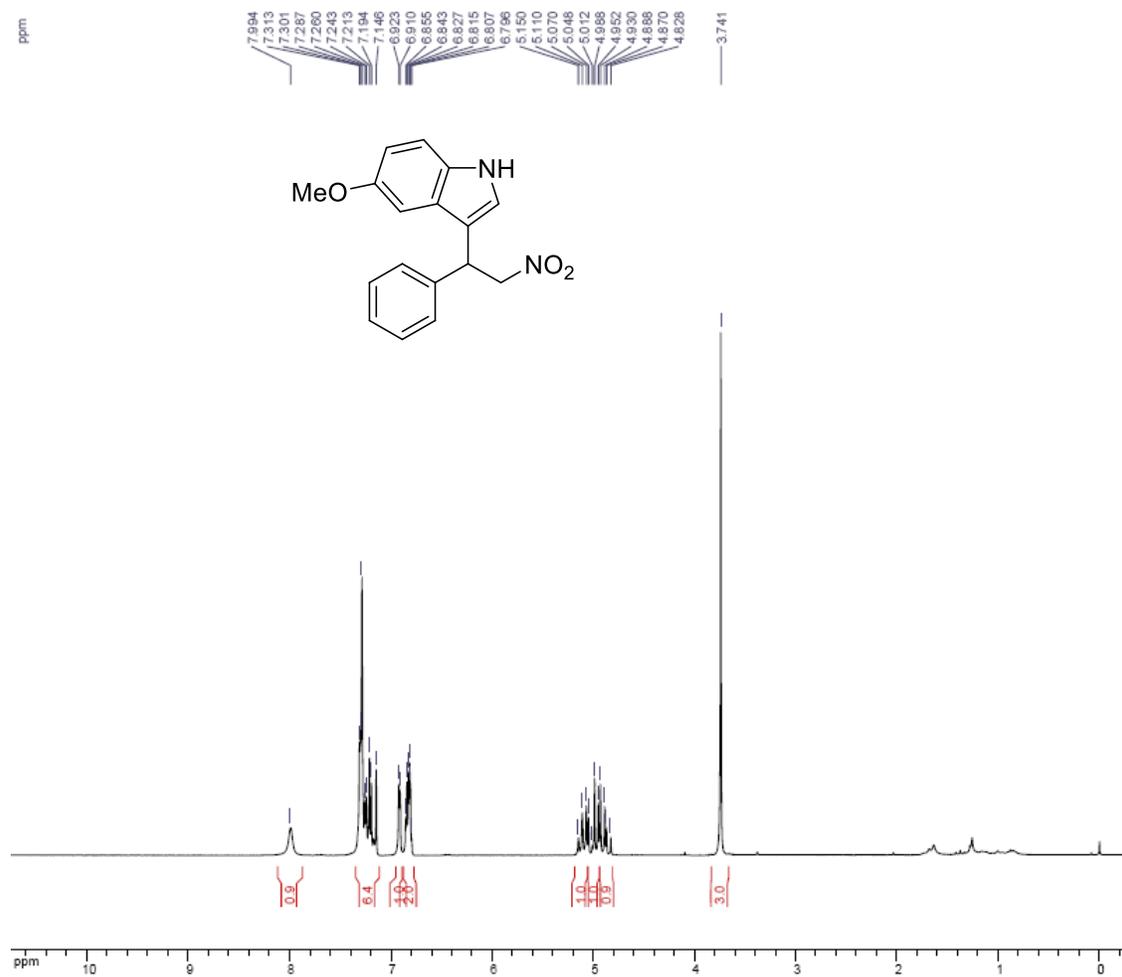


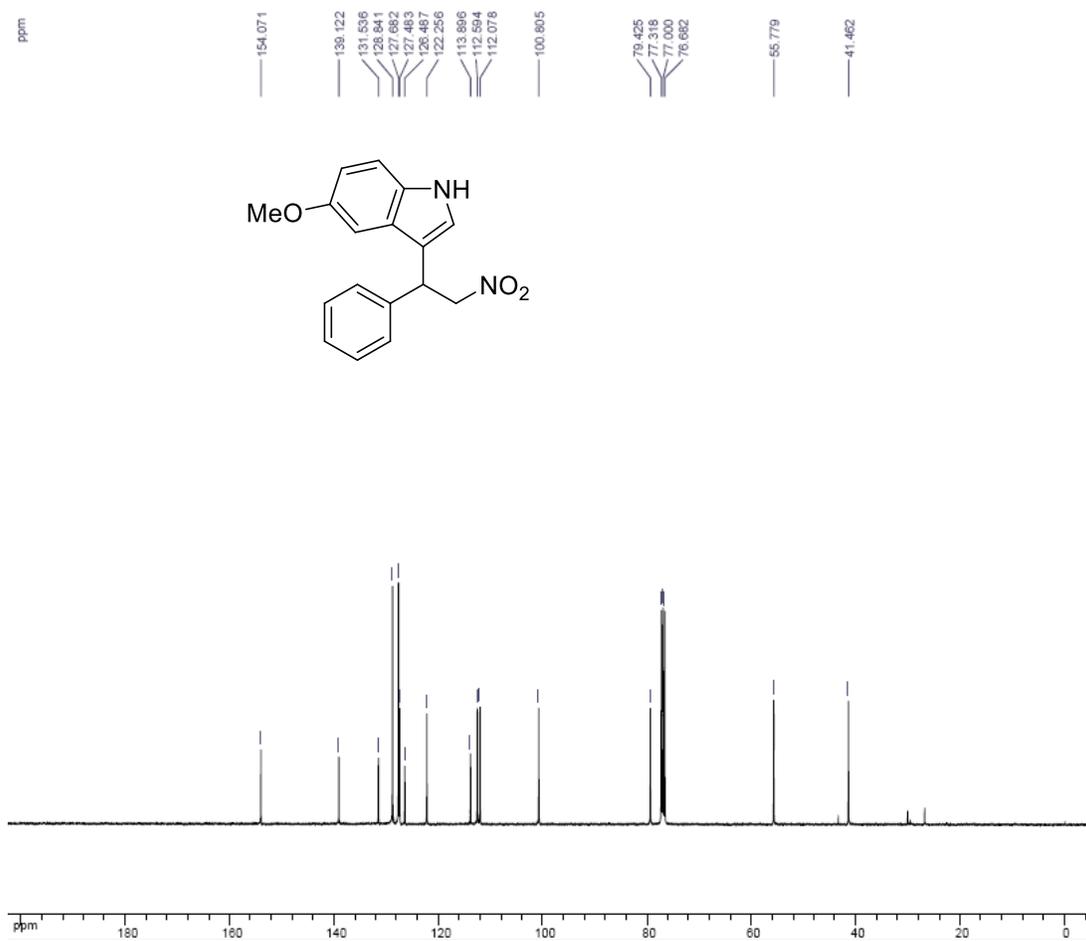


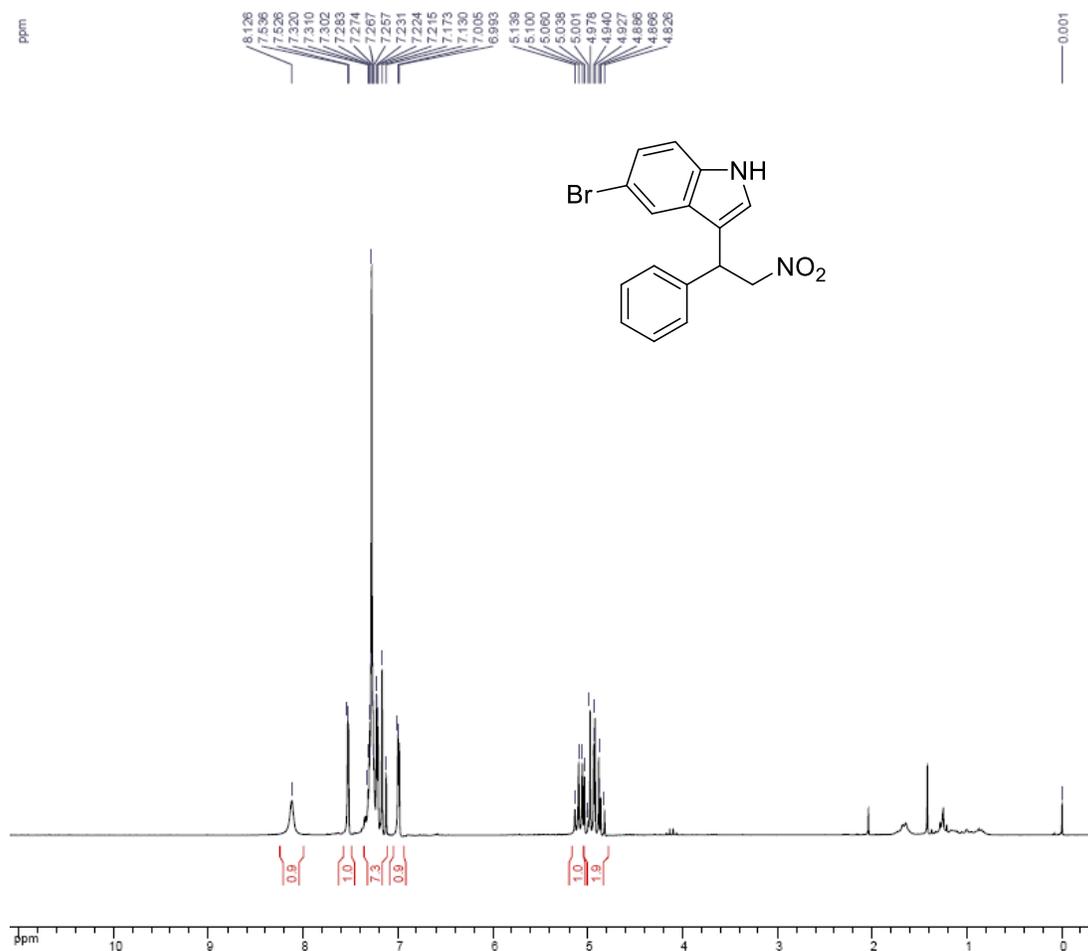


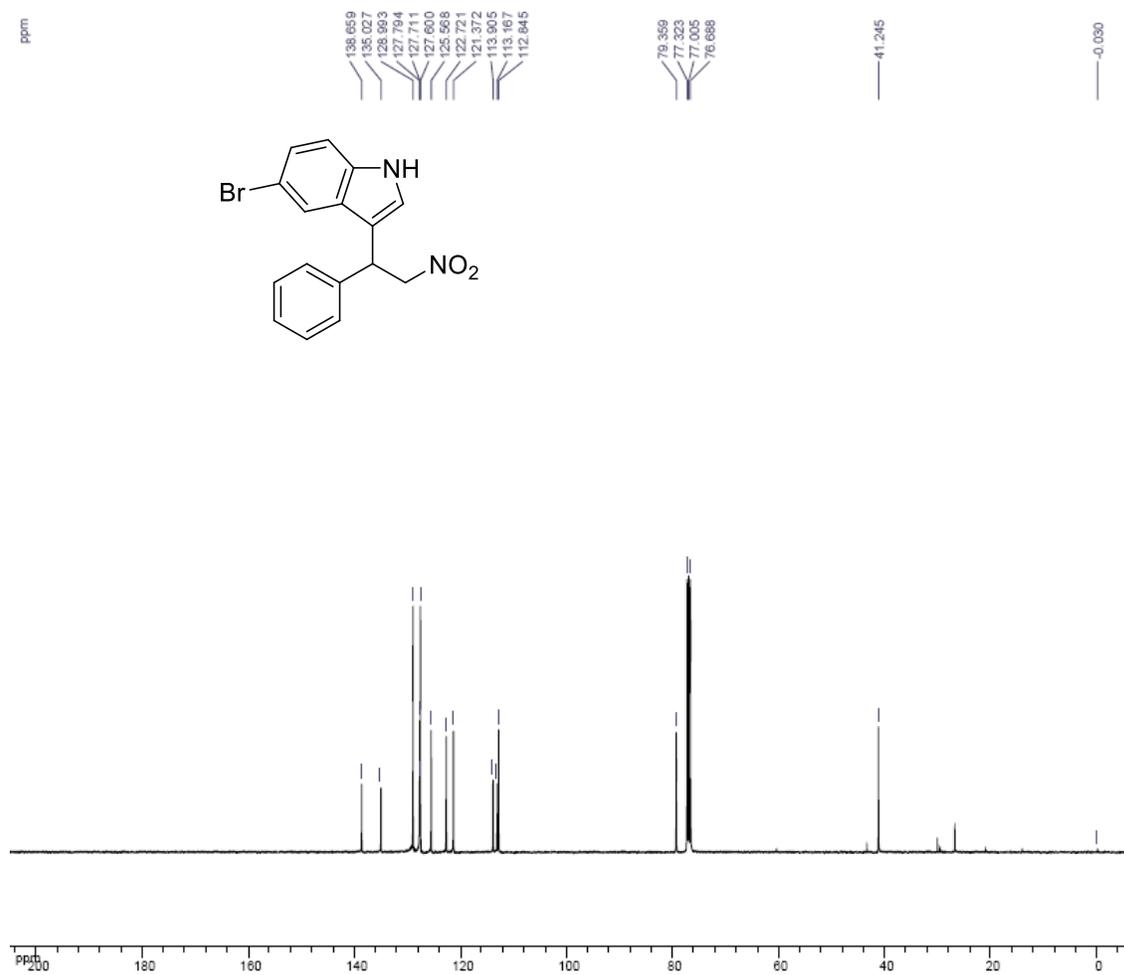


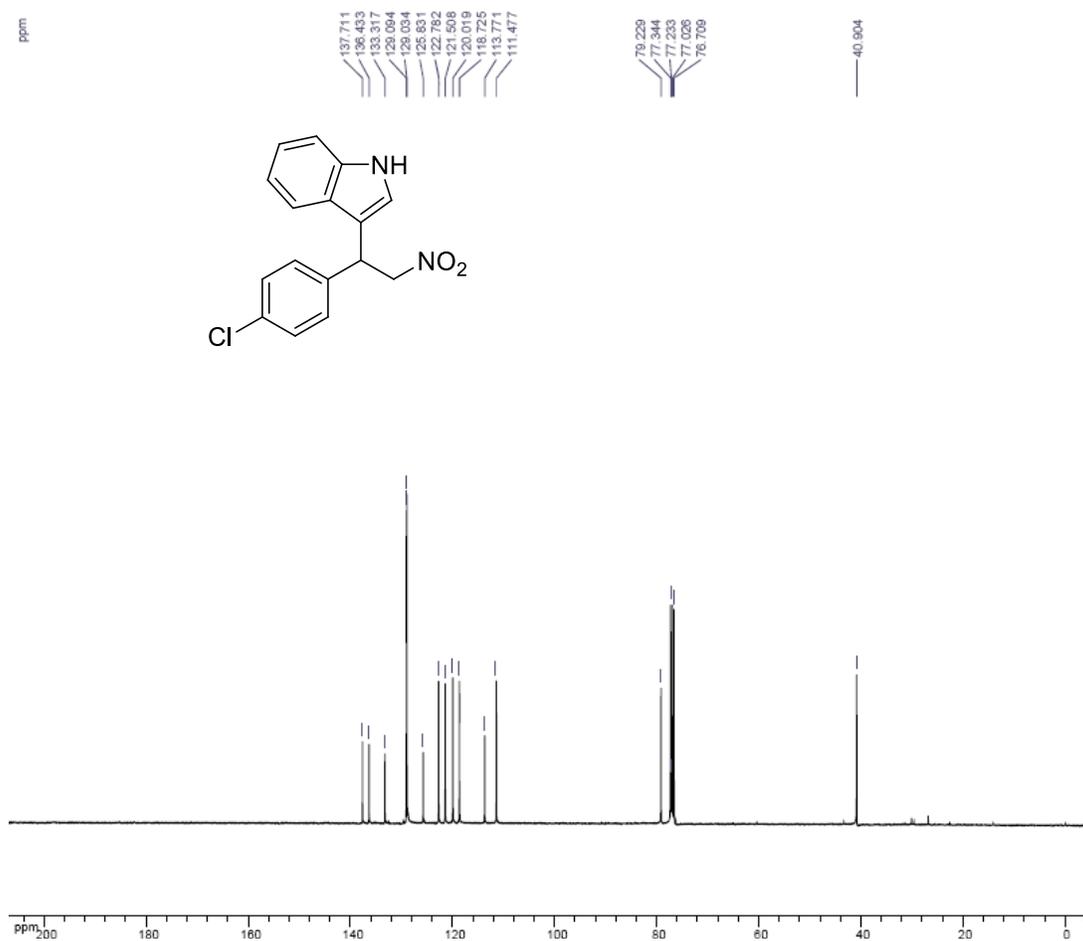


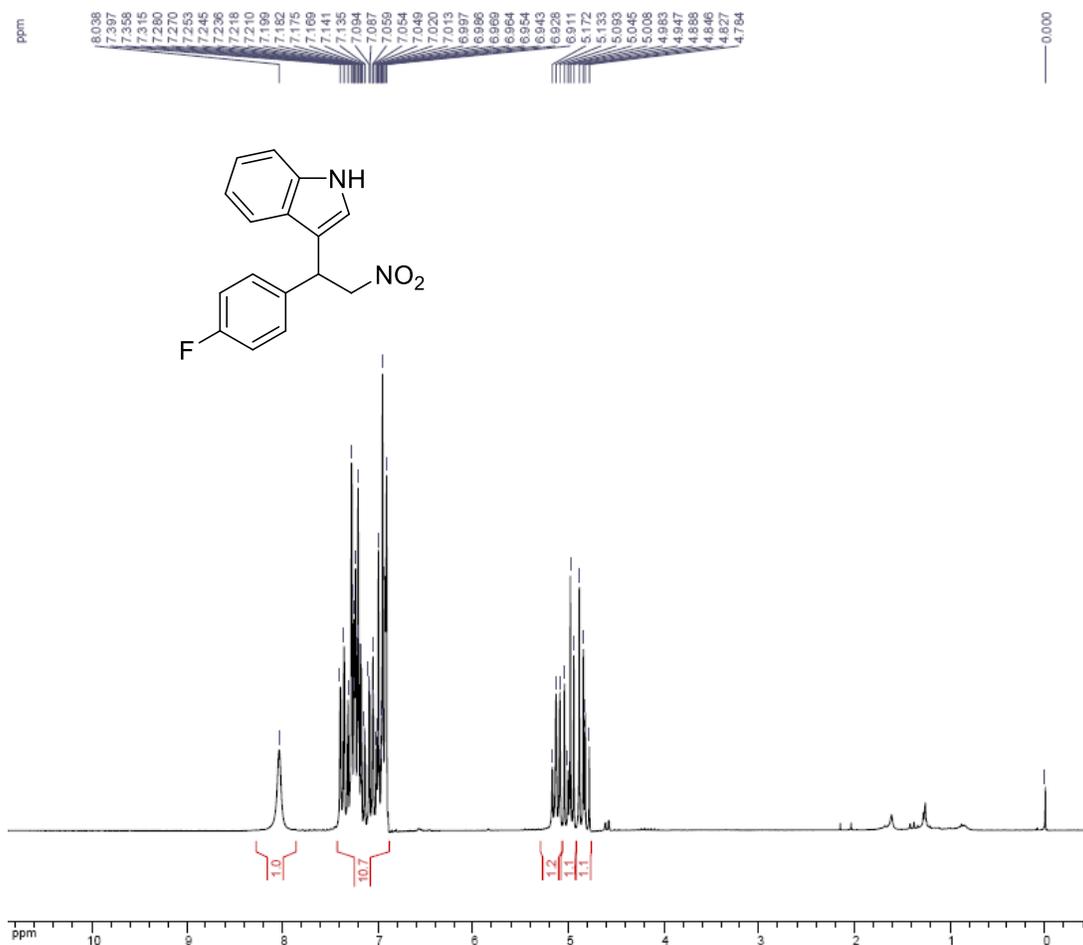


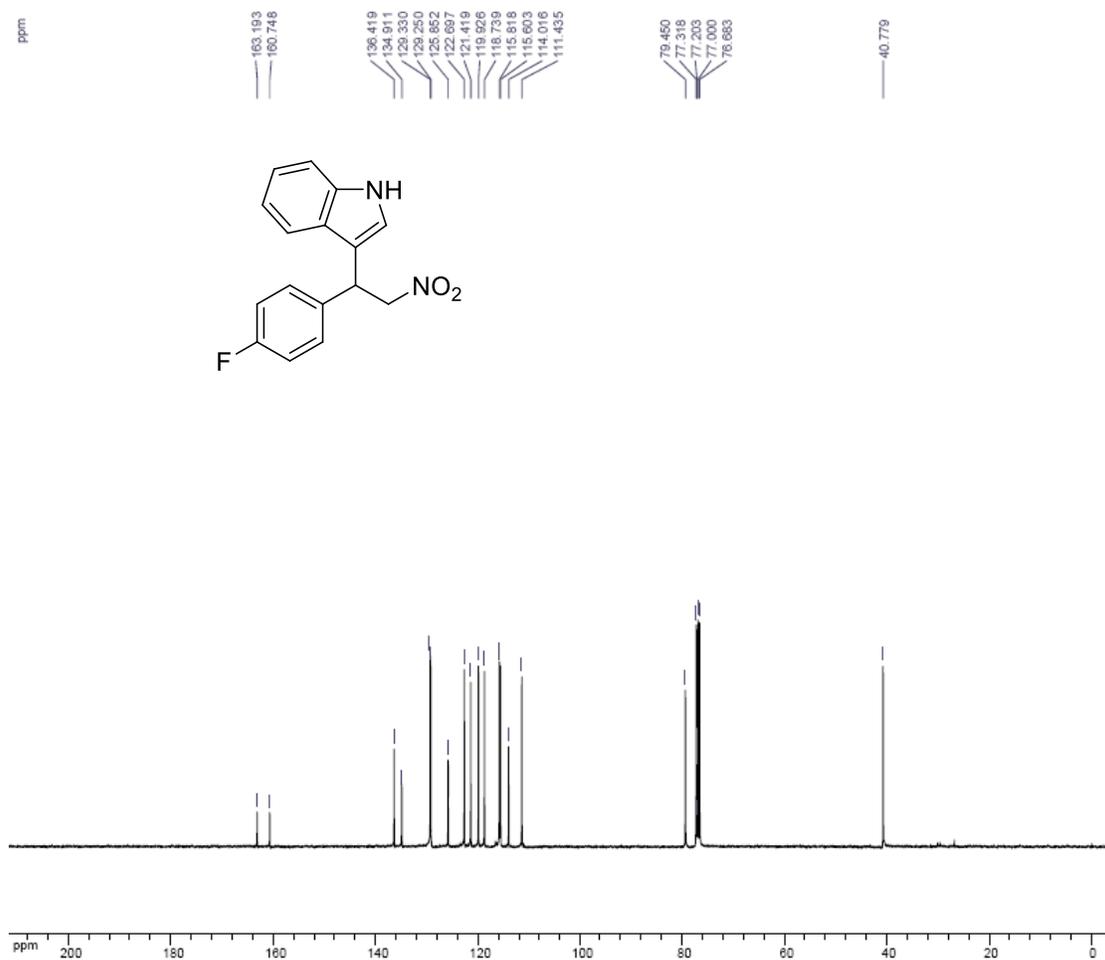


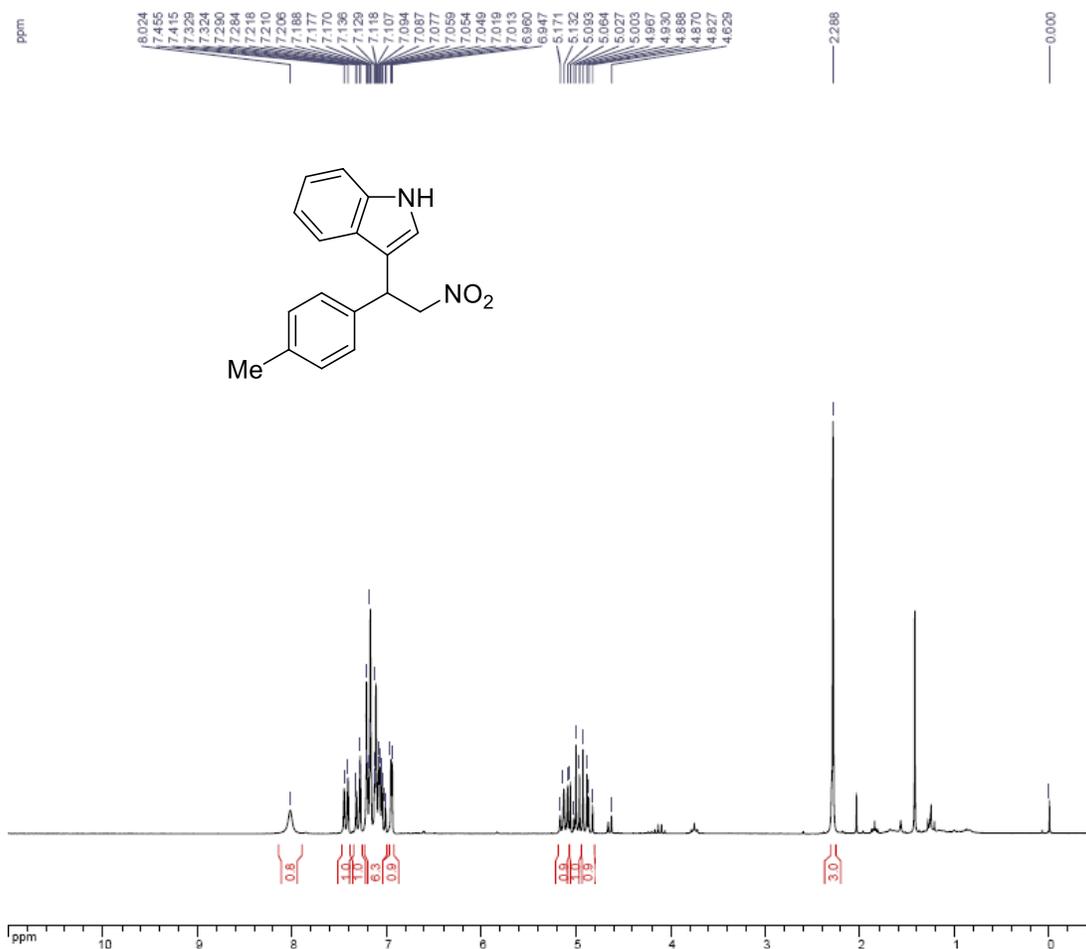


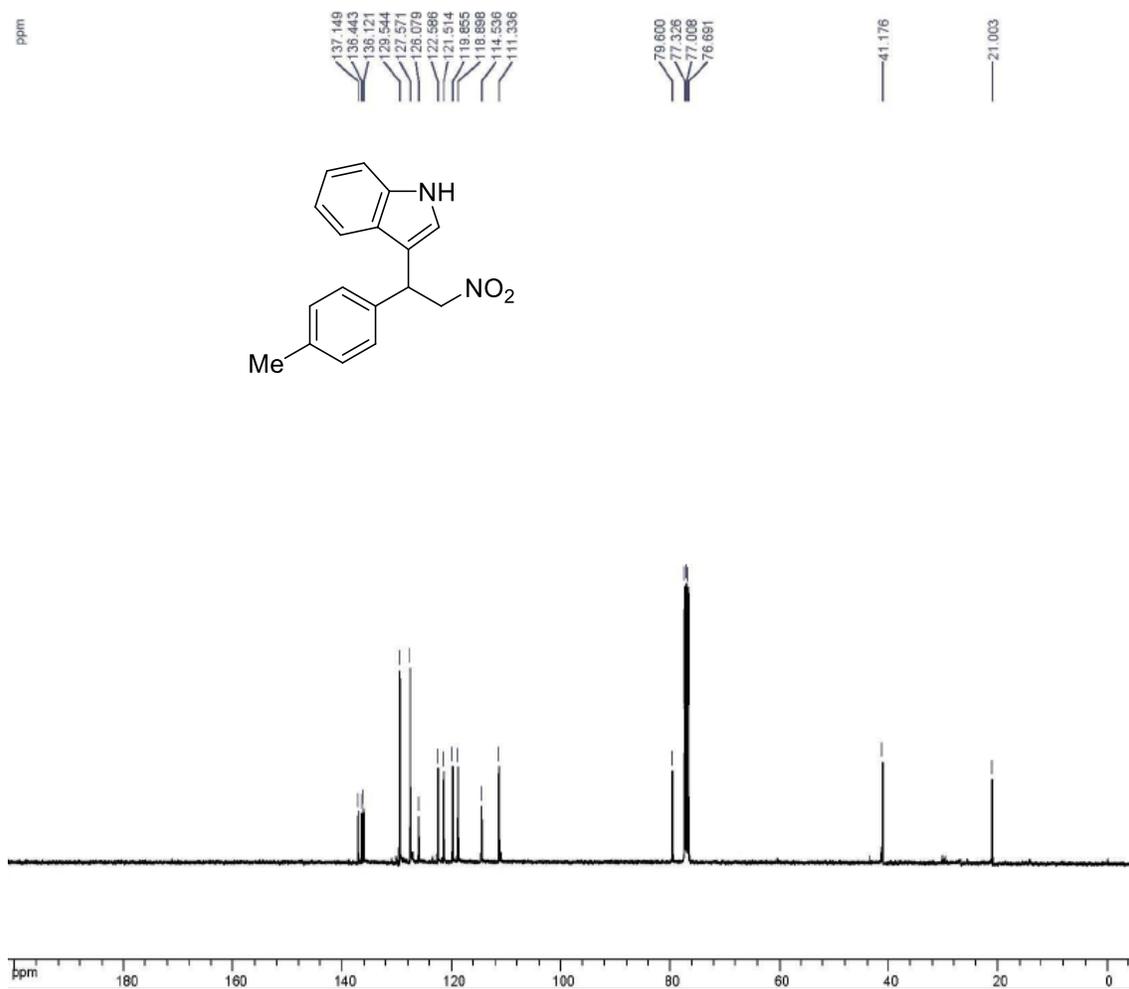


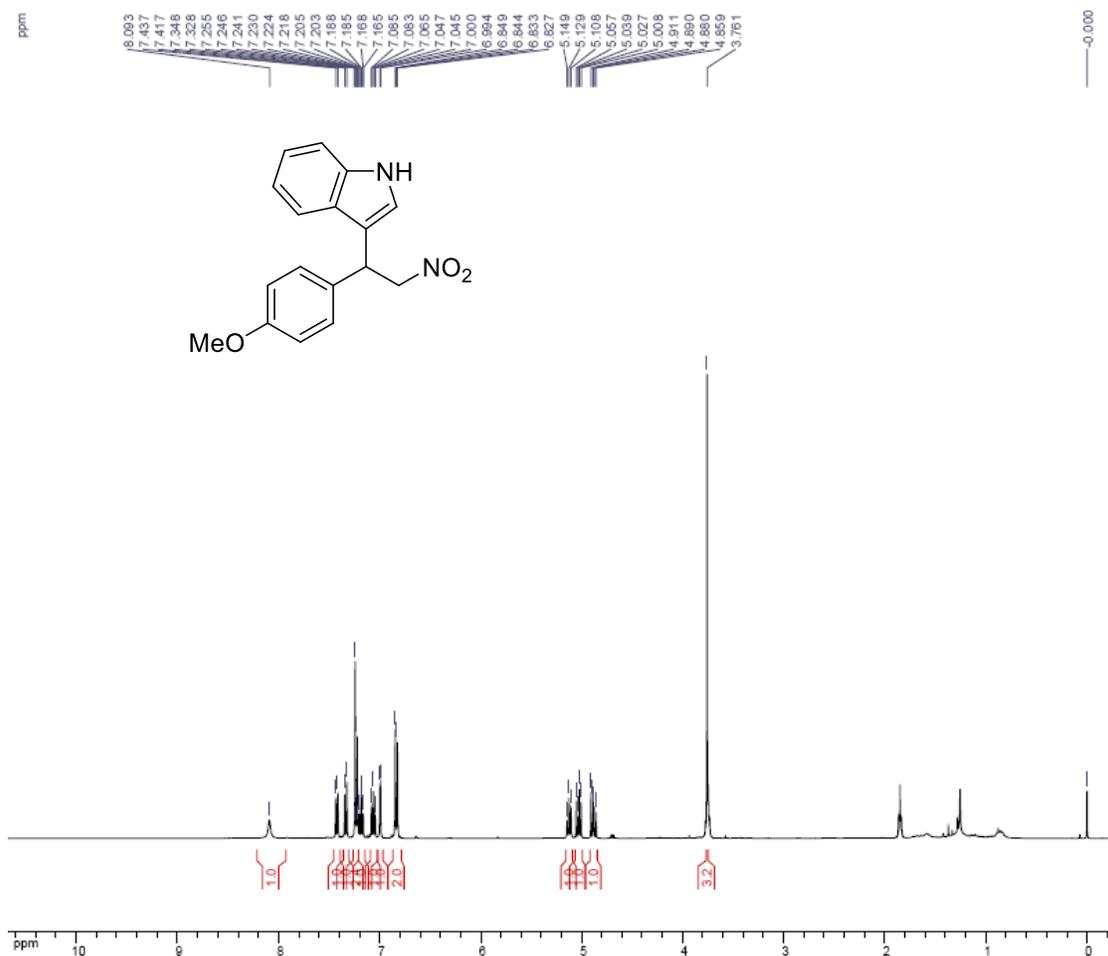


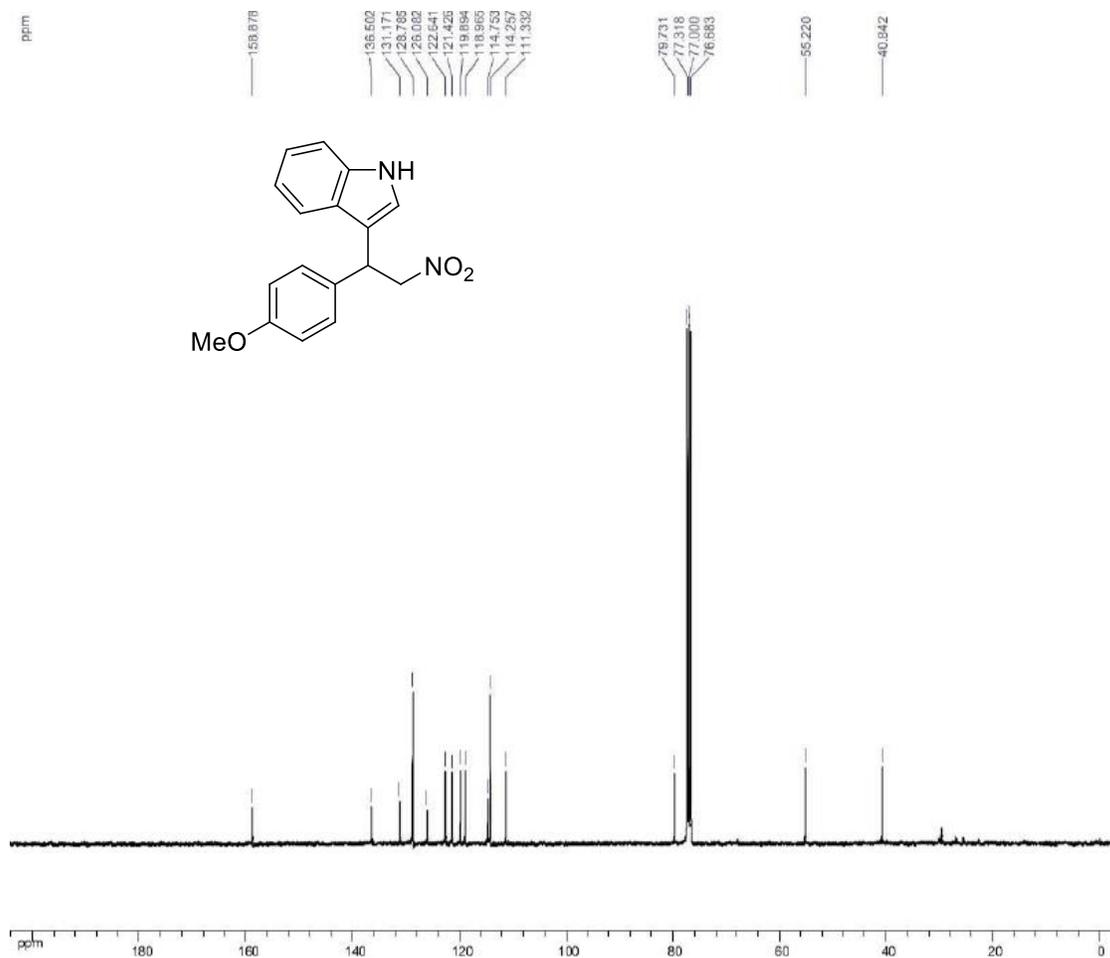


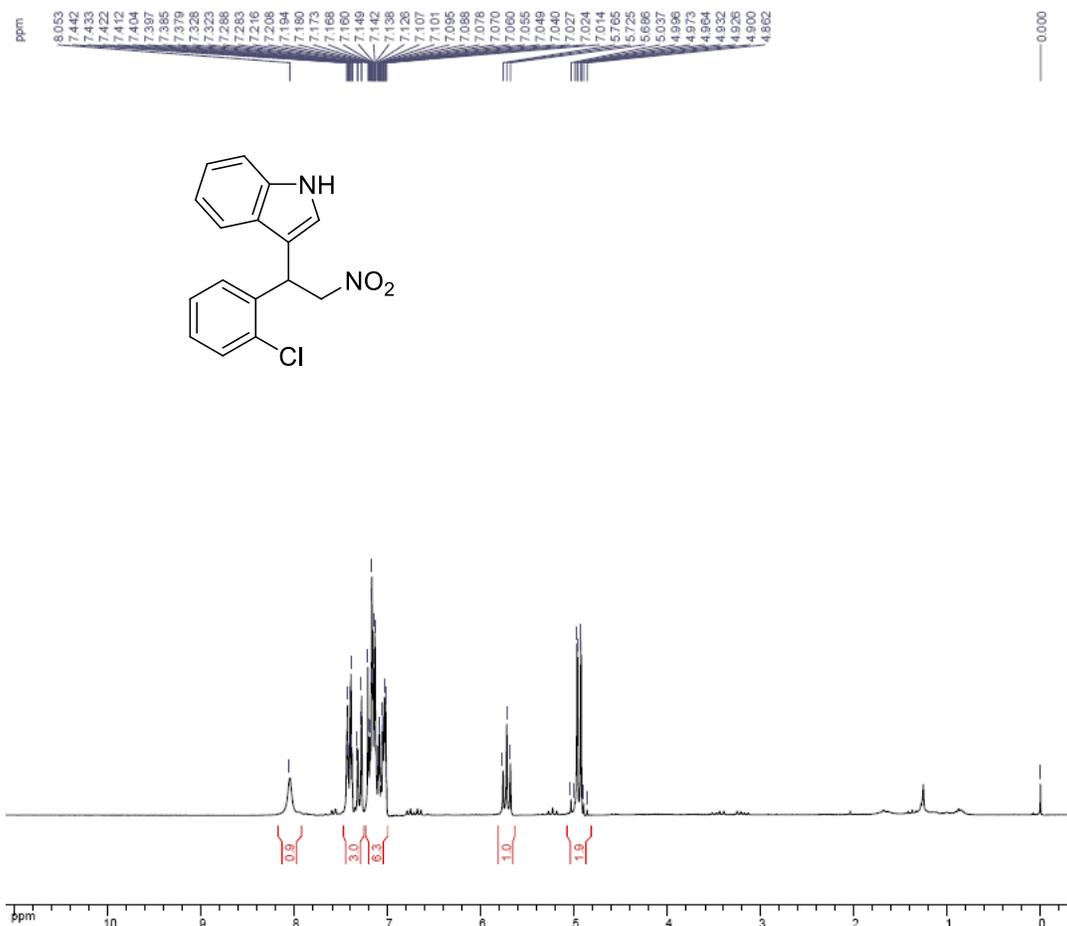


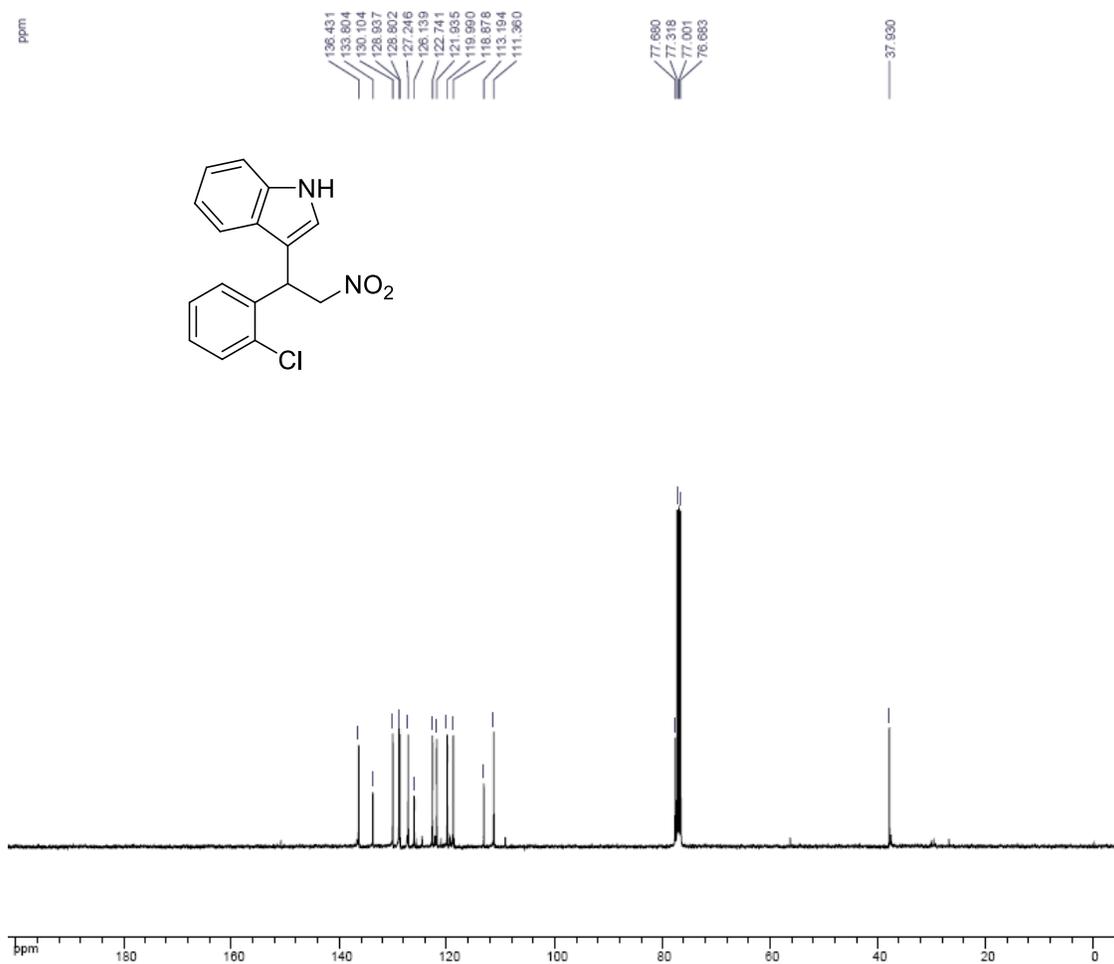




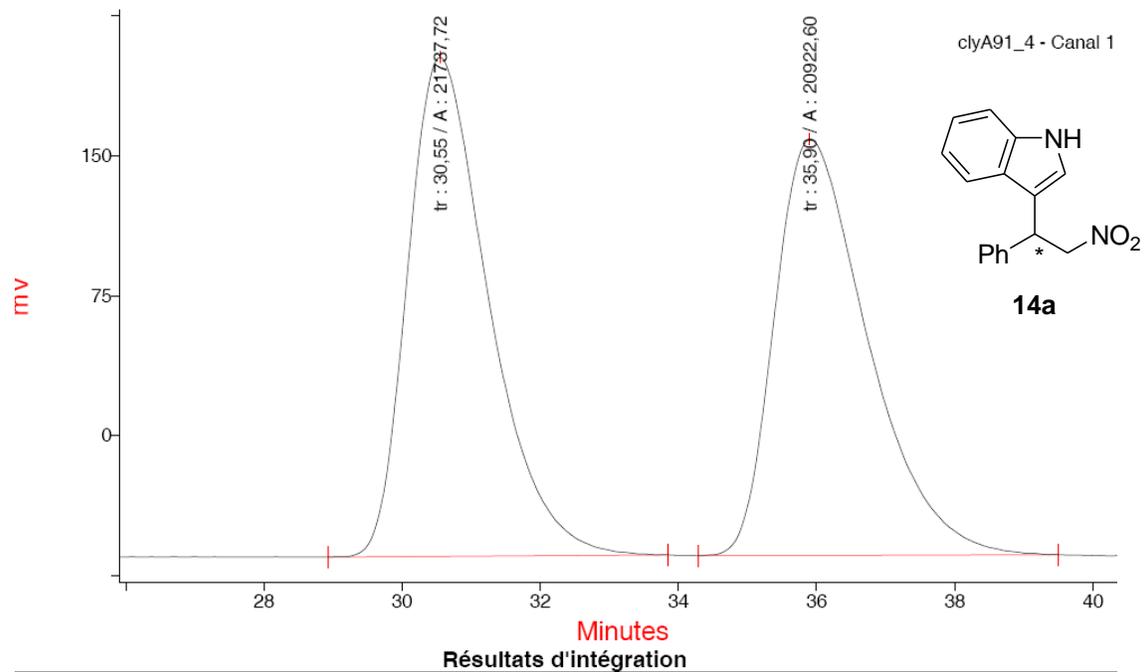




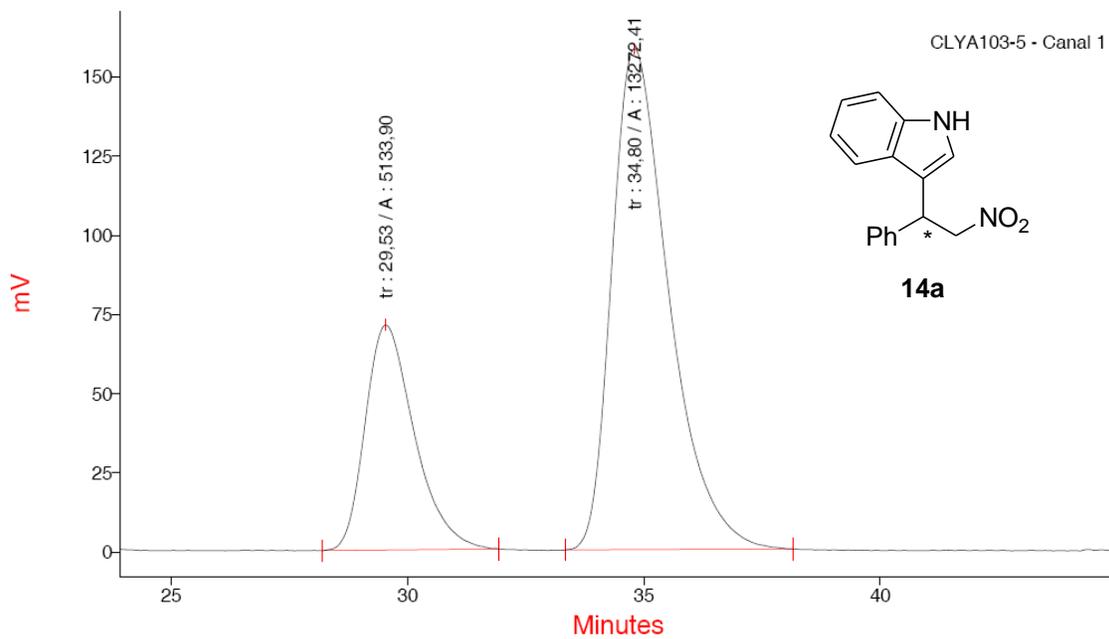




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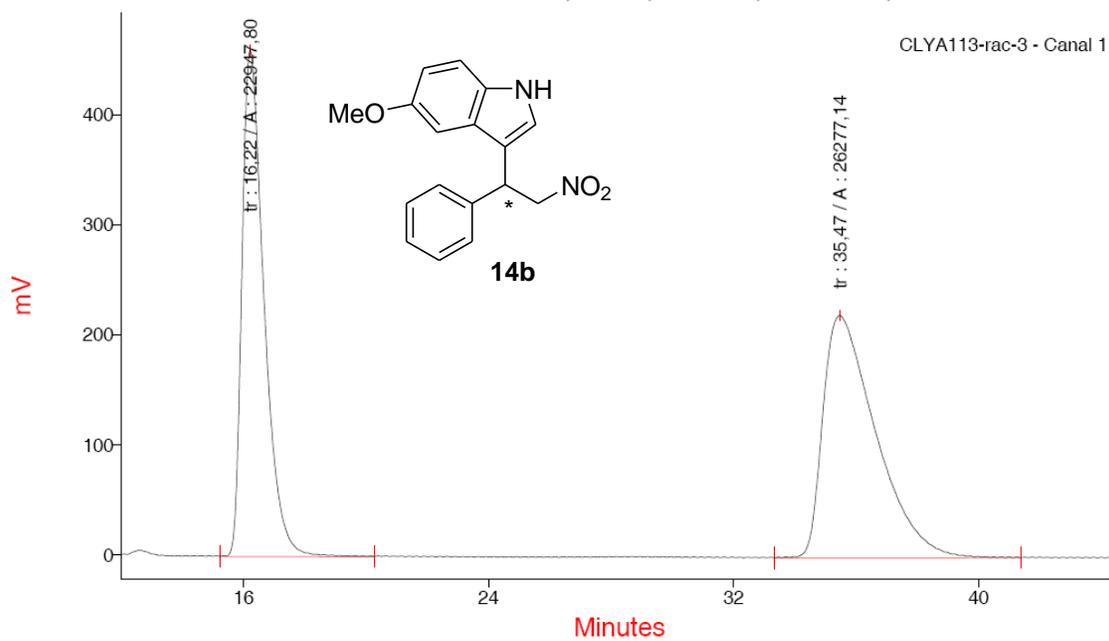


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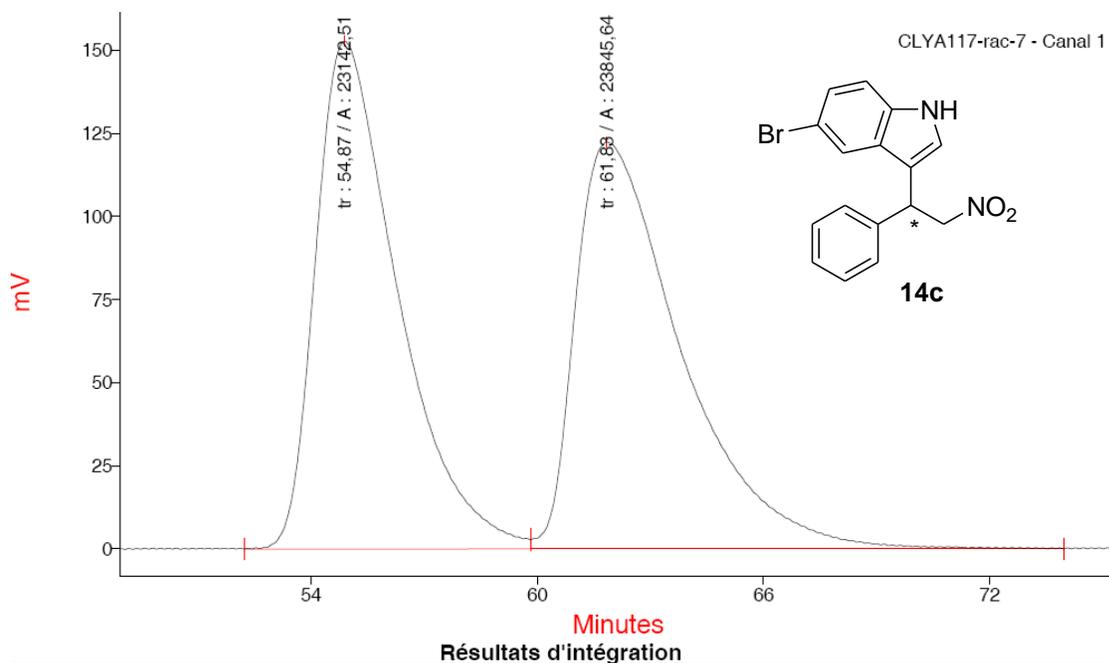
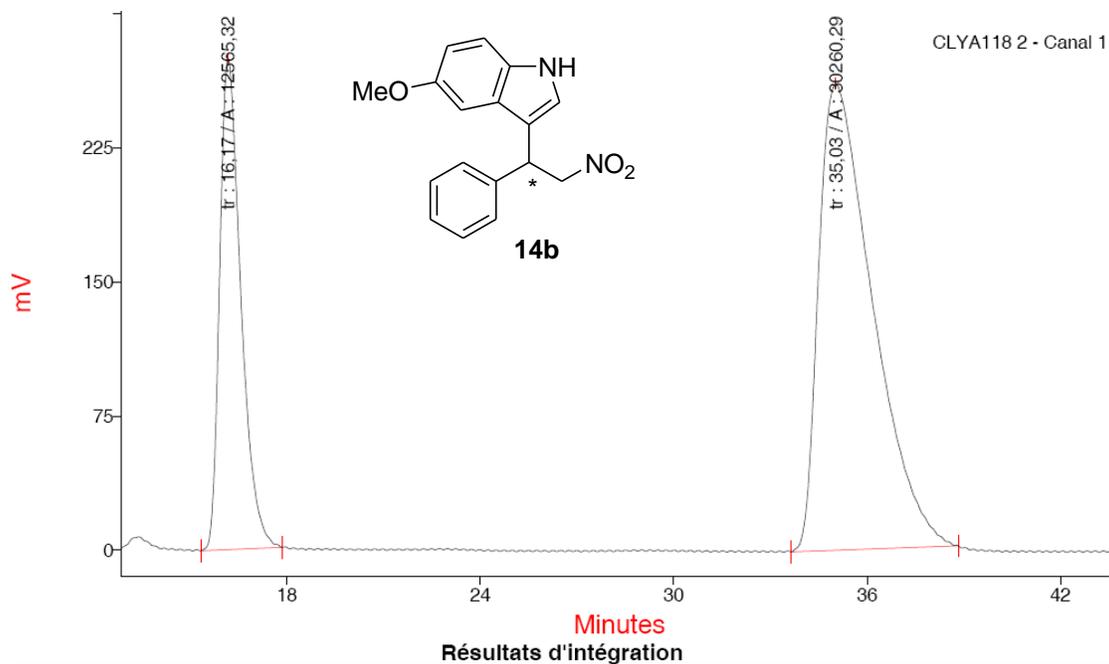
Résultats d'intégration

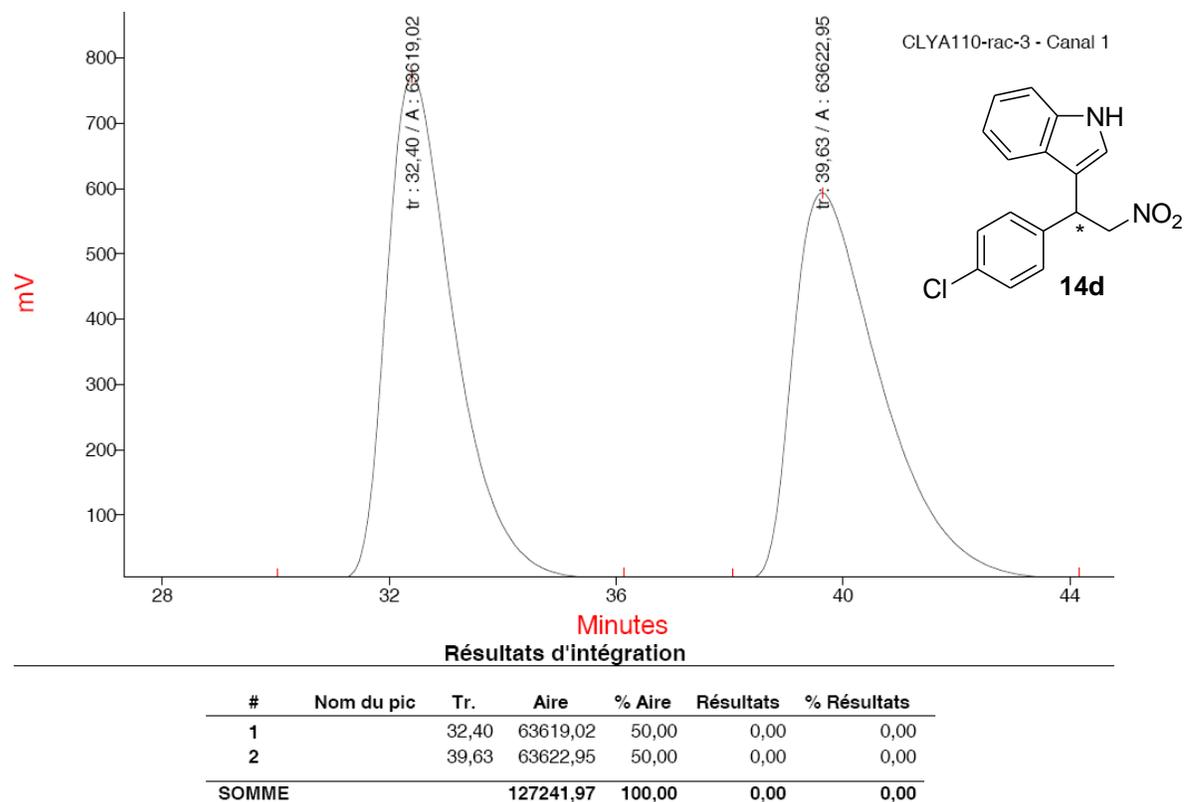
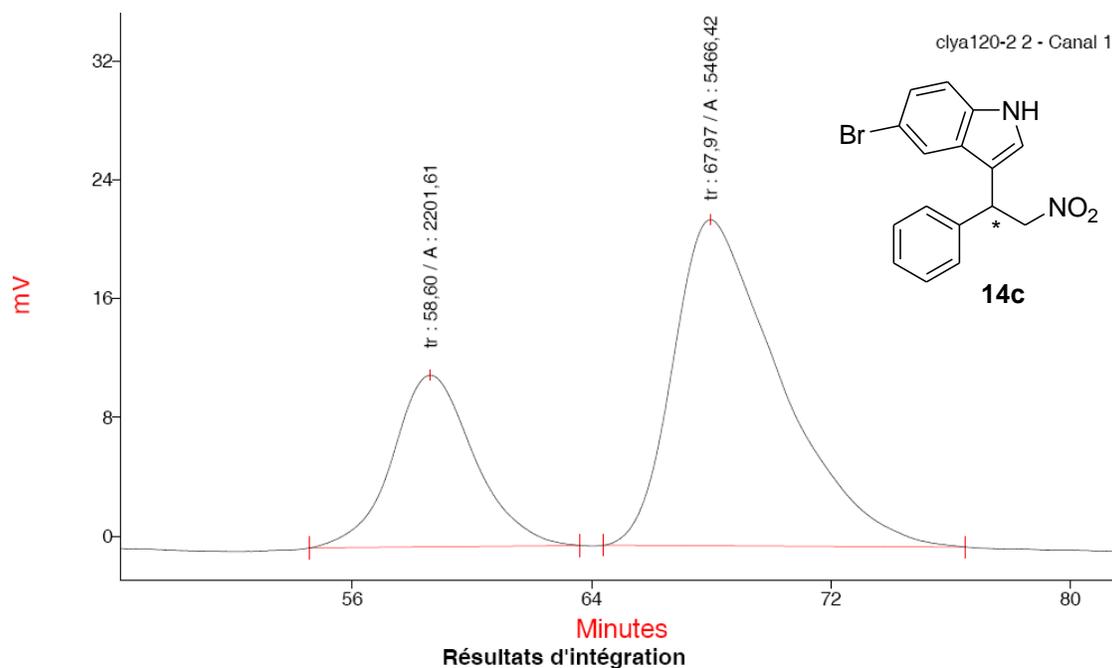
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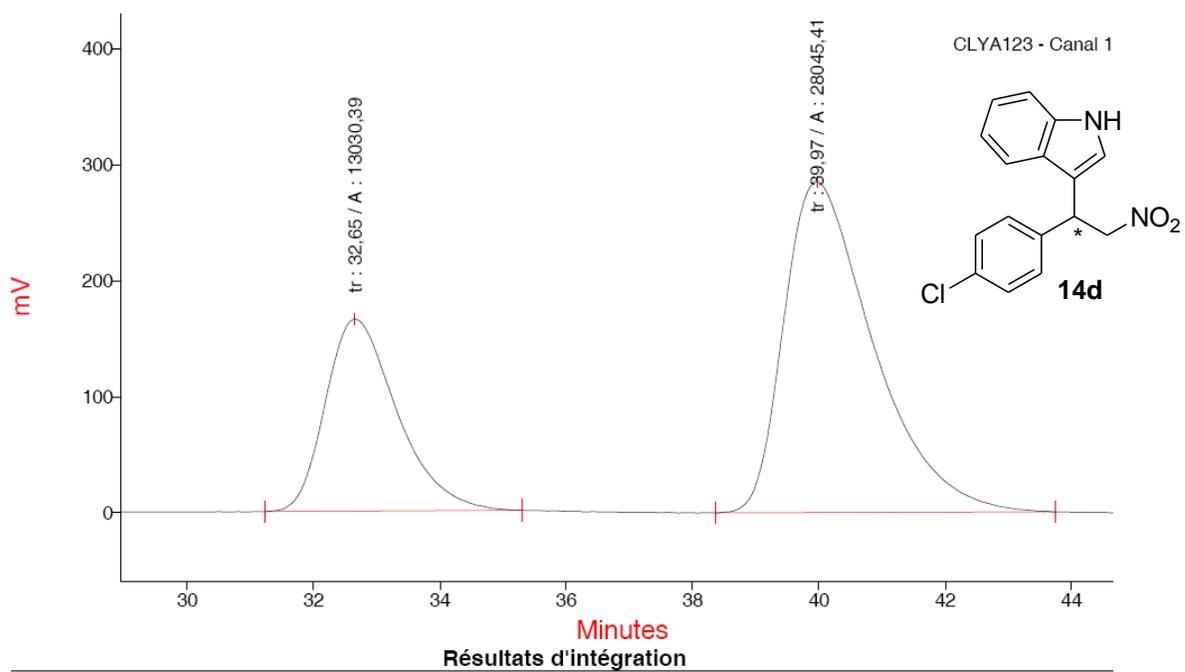


Résultats d'intégration

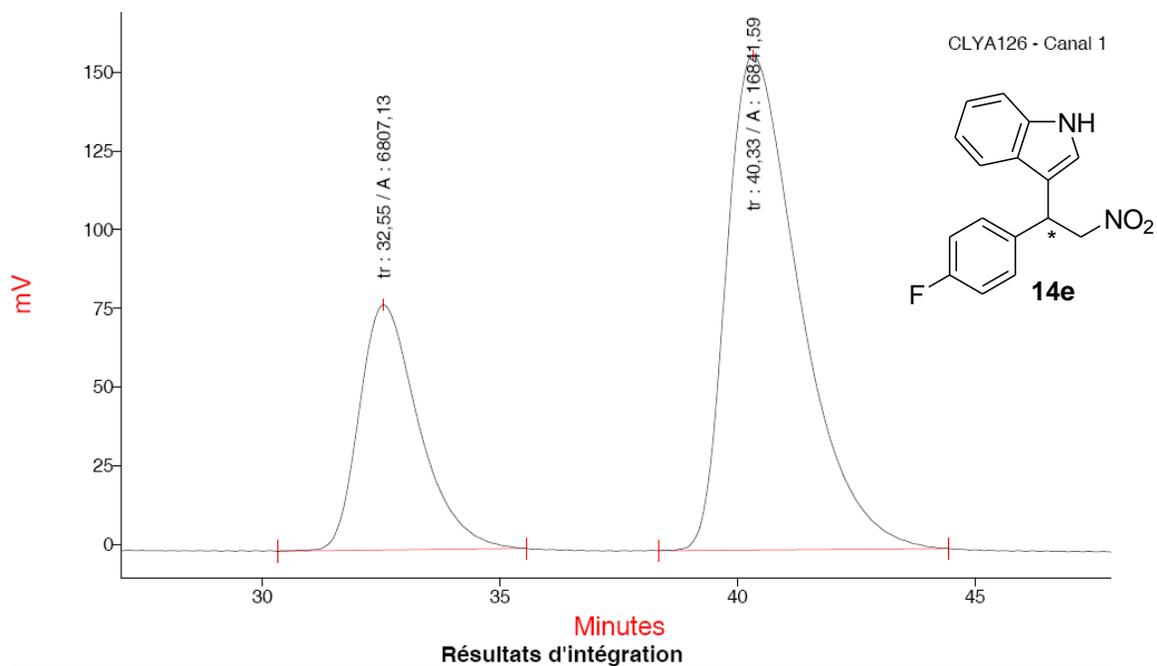
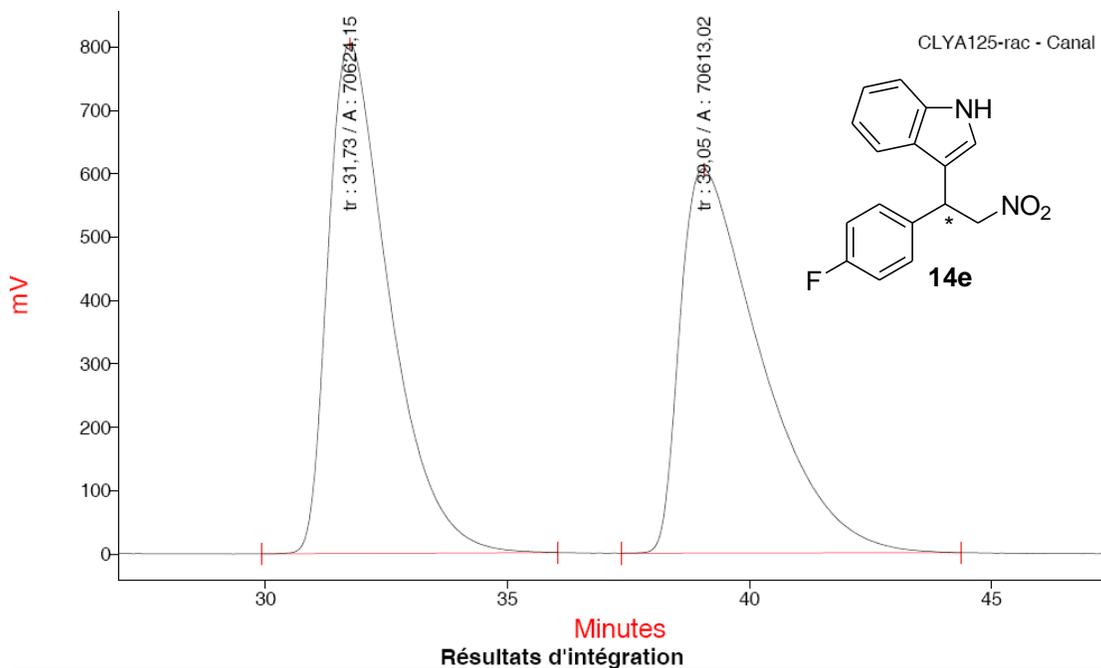
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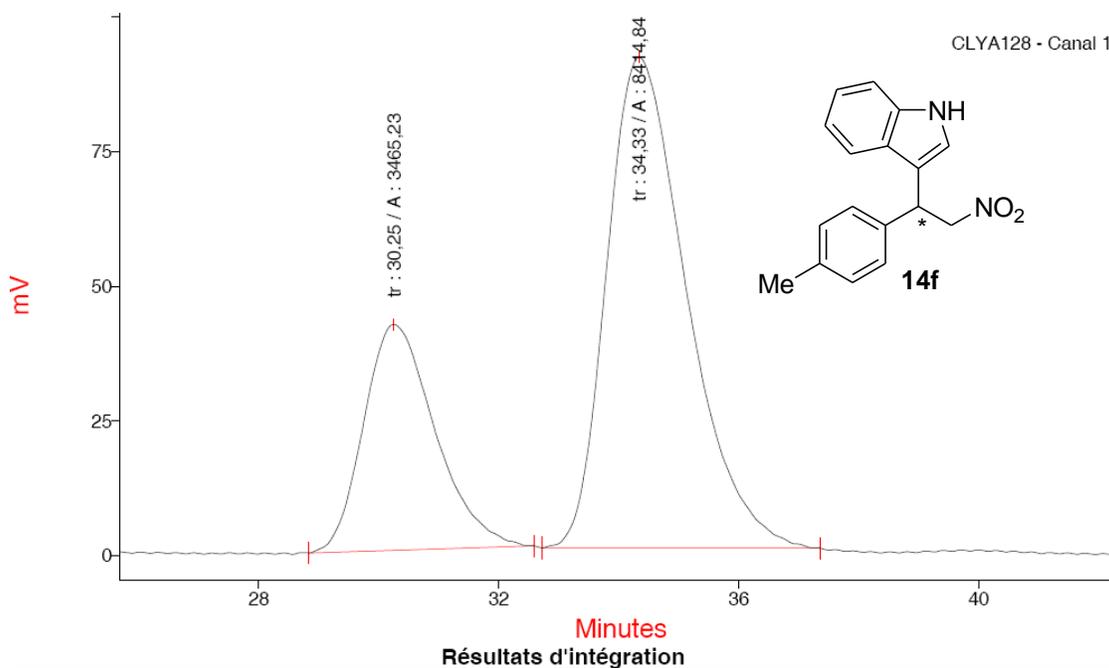
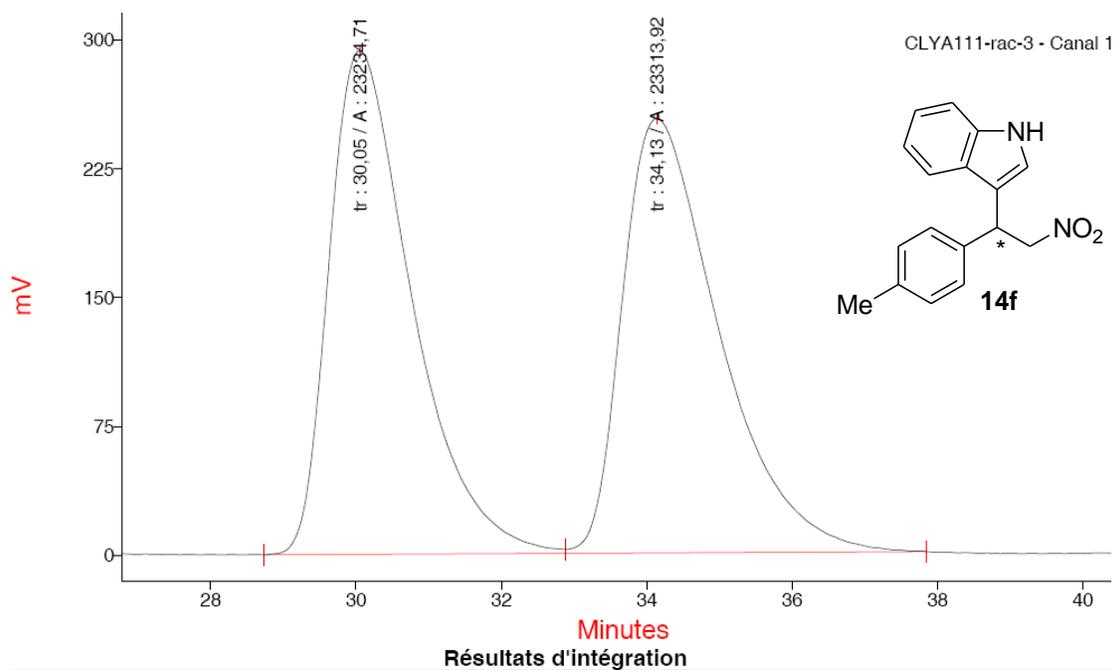


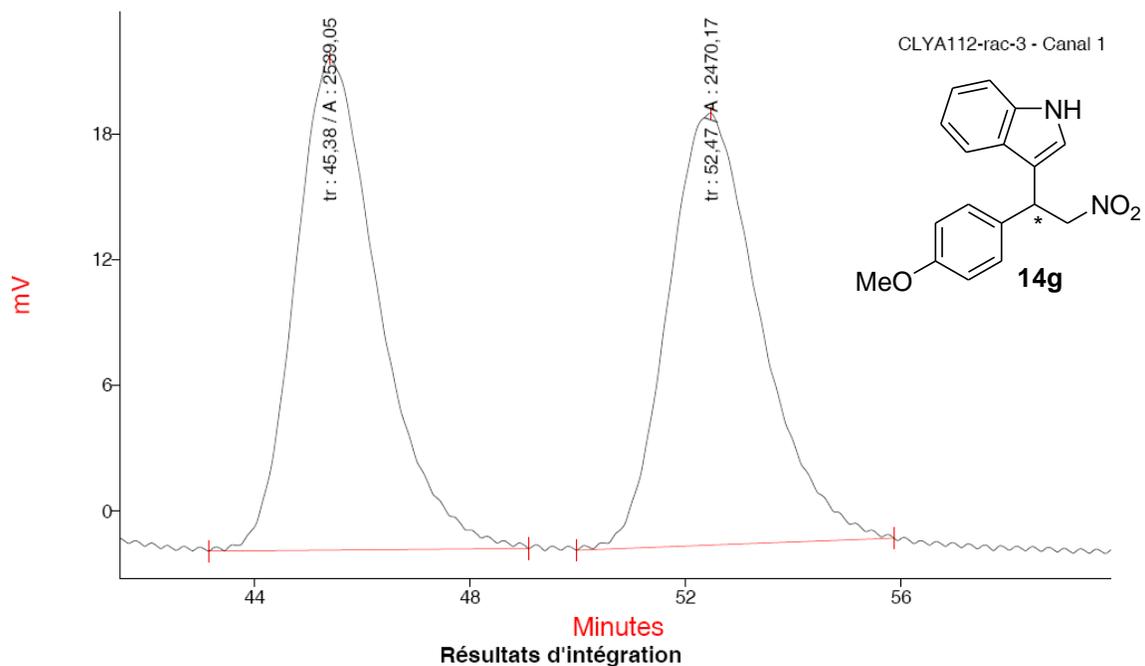


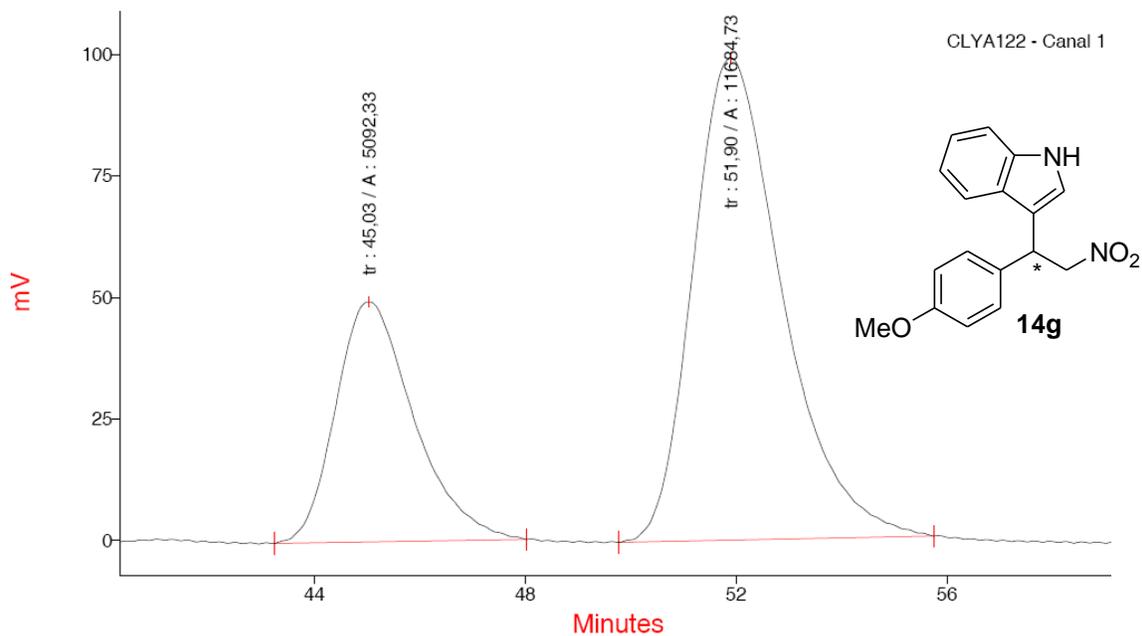


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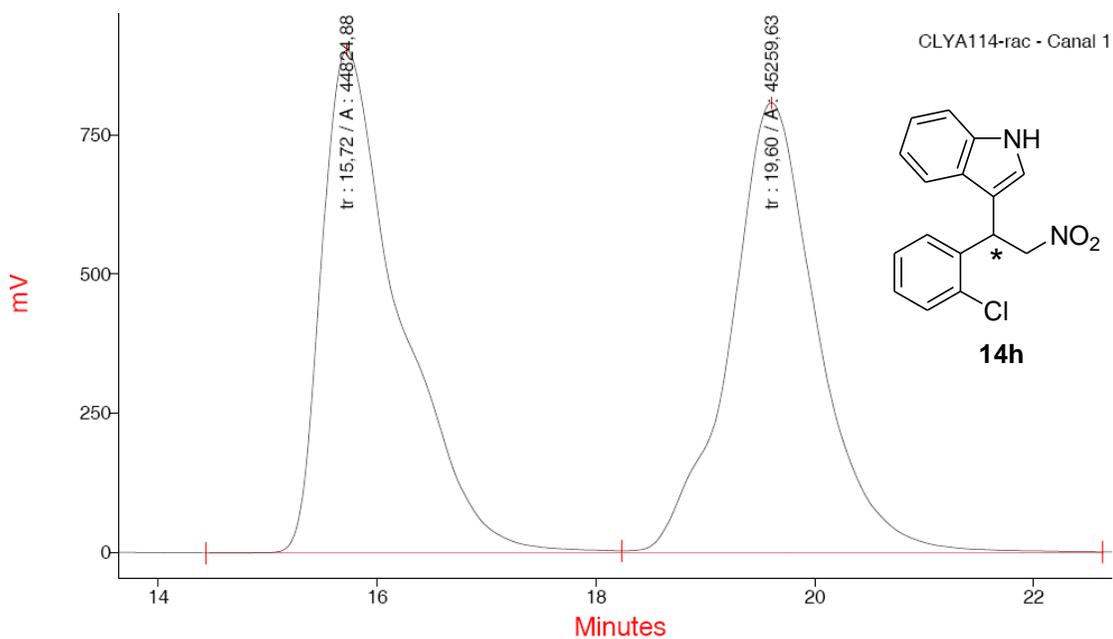






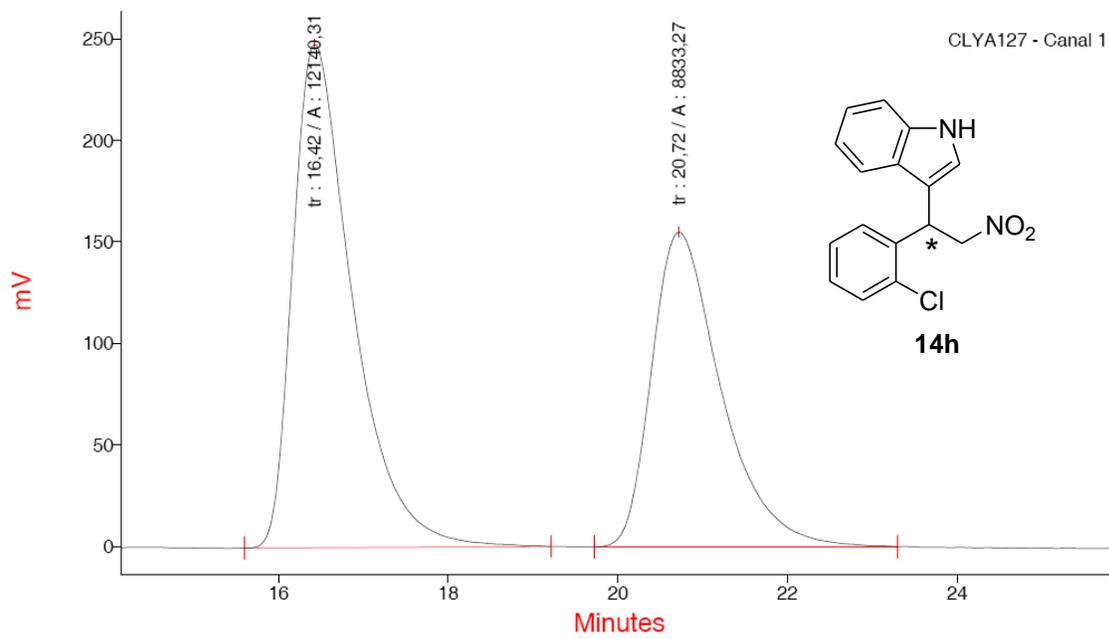
Résultats d'intégration

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Résultats d'intégration

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SOMME			20973,59	100,00	0,00	0,00