

**Further studies of the Enhanced Structural Carborane Effect: Tricarbonylruthenium and related derivatives of benzocarborane, dihydrobenzocarborane and biphenylcarborane**

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**Electronic Supplementary Information**

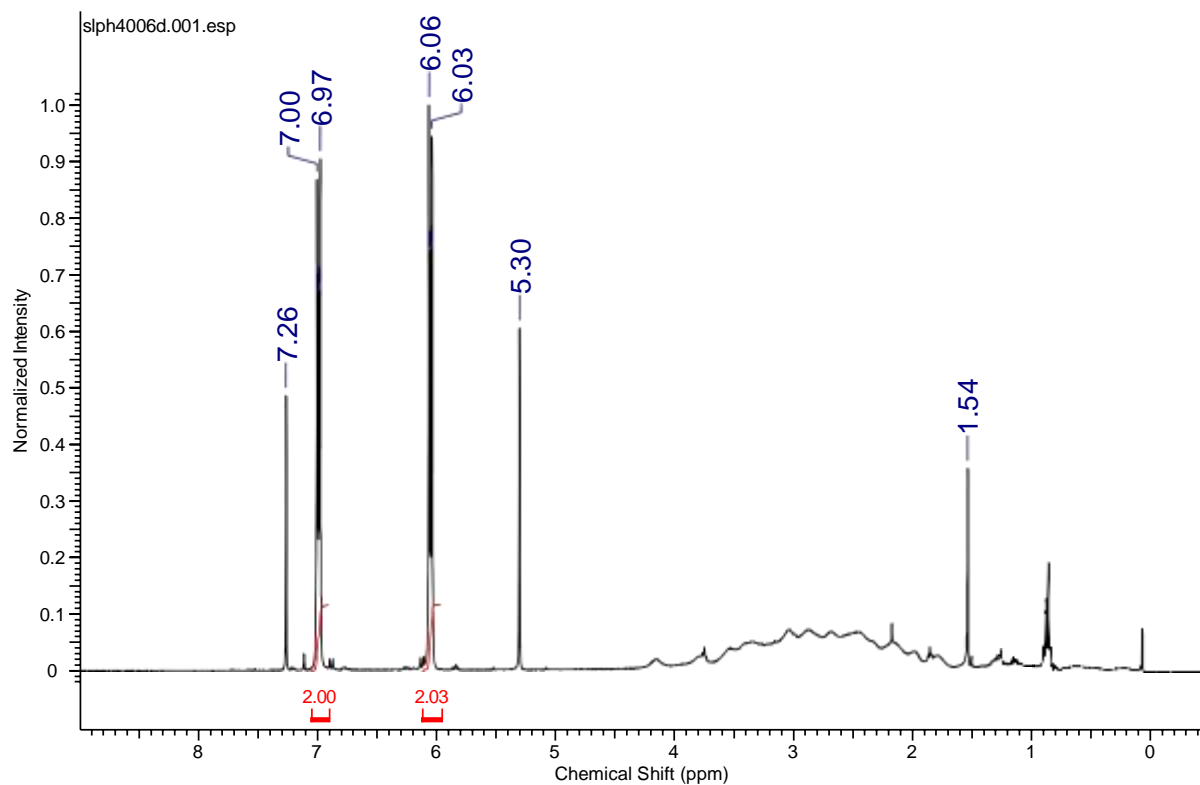
NMR spectra of compounds **1-8** (in CDCl<sub>3</sub>) and [HNMe<sub>3</sub>]**IV** [in (CD<sub>3</sub>)<sub>2</sub>CO] are presented.

All spectra recorded at room temperature.

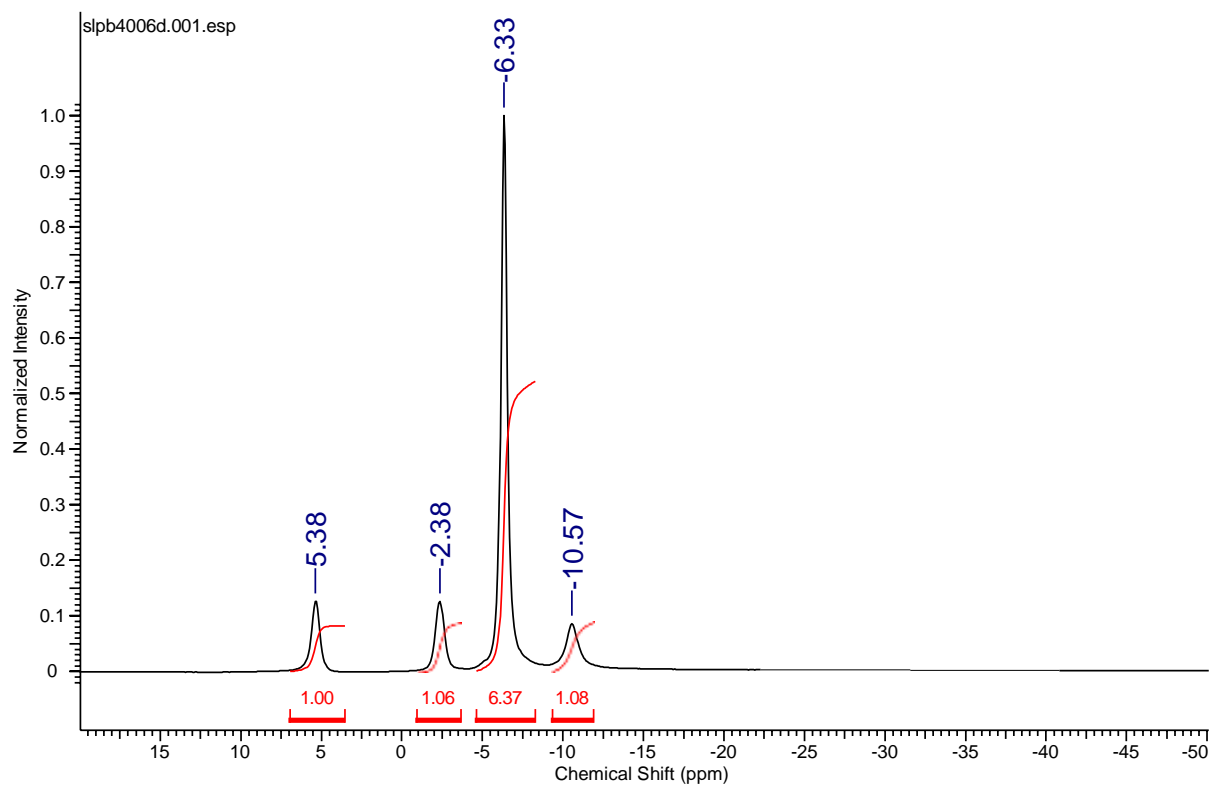
In the <sup>1</sup>H spectra are residual protio solvent and sometimes traces of impurities. In those spectra recorded in CDCl<sub>3</sub> these are δ 7.26 = solvent; δ 5.30 = DCM; δ 1.54 = H<sub>2</sub>O; δ 0.07 = grease. In the spectrum recorded in (CD<sub>3</sub>)<sub>2</sub>CO the resonance at δ 2.05 is solvent.

# Compound 1

$^1\text{H}$

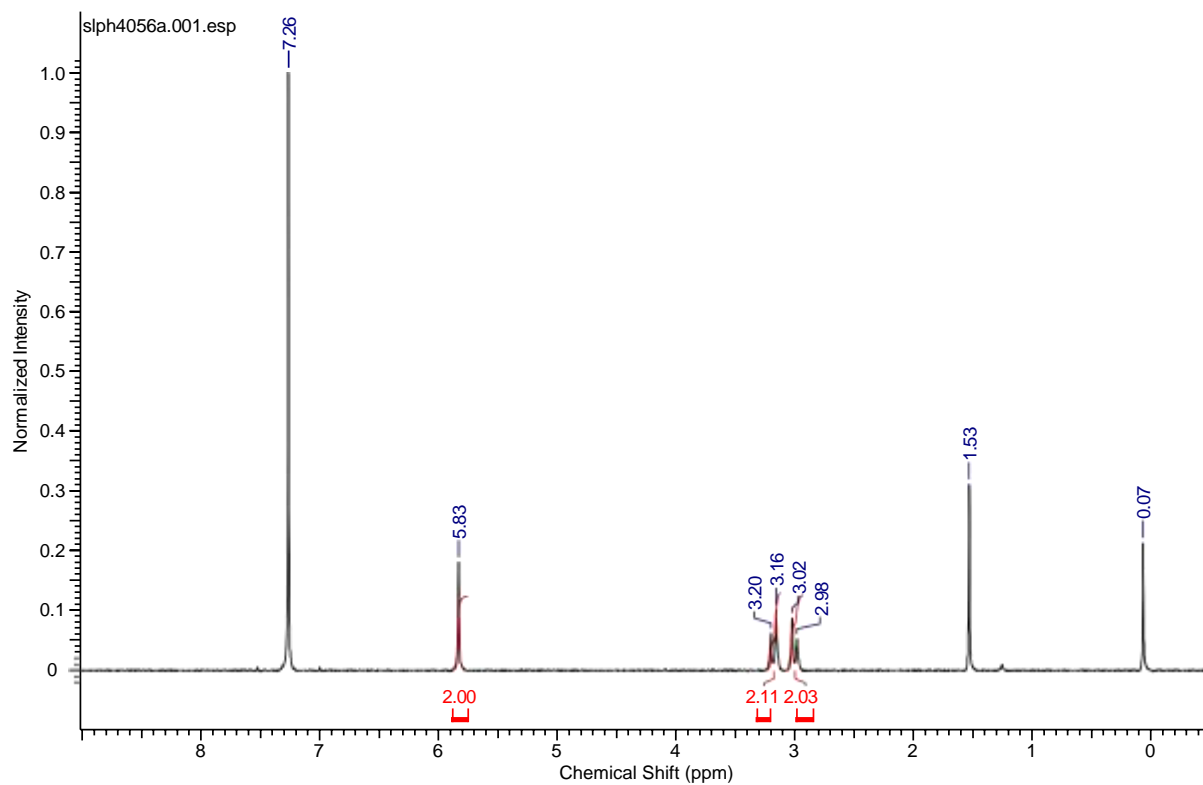


$^{11}\text{B}$

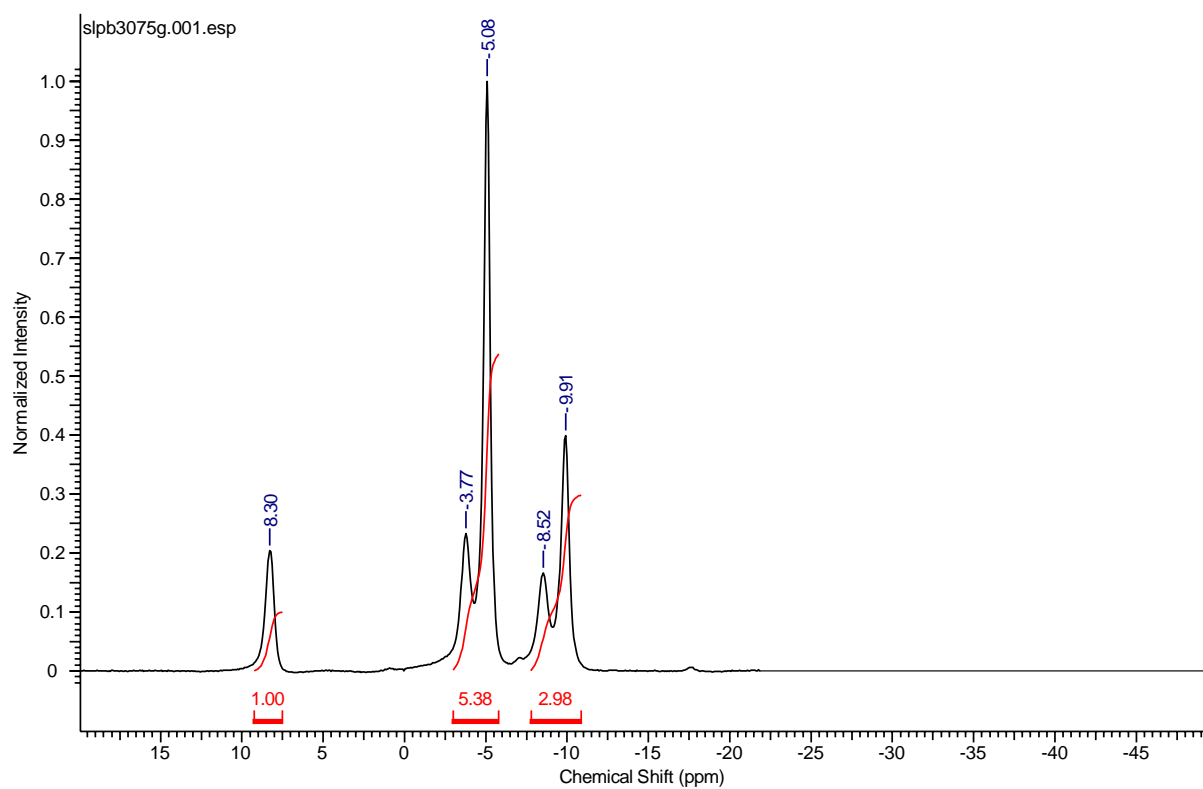


# Compound 2

$^1\text{H}$

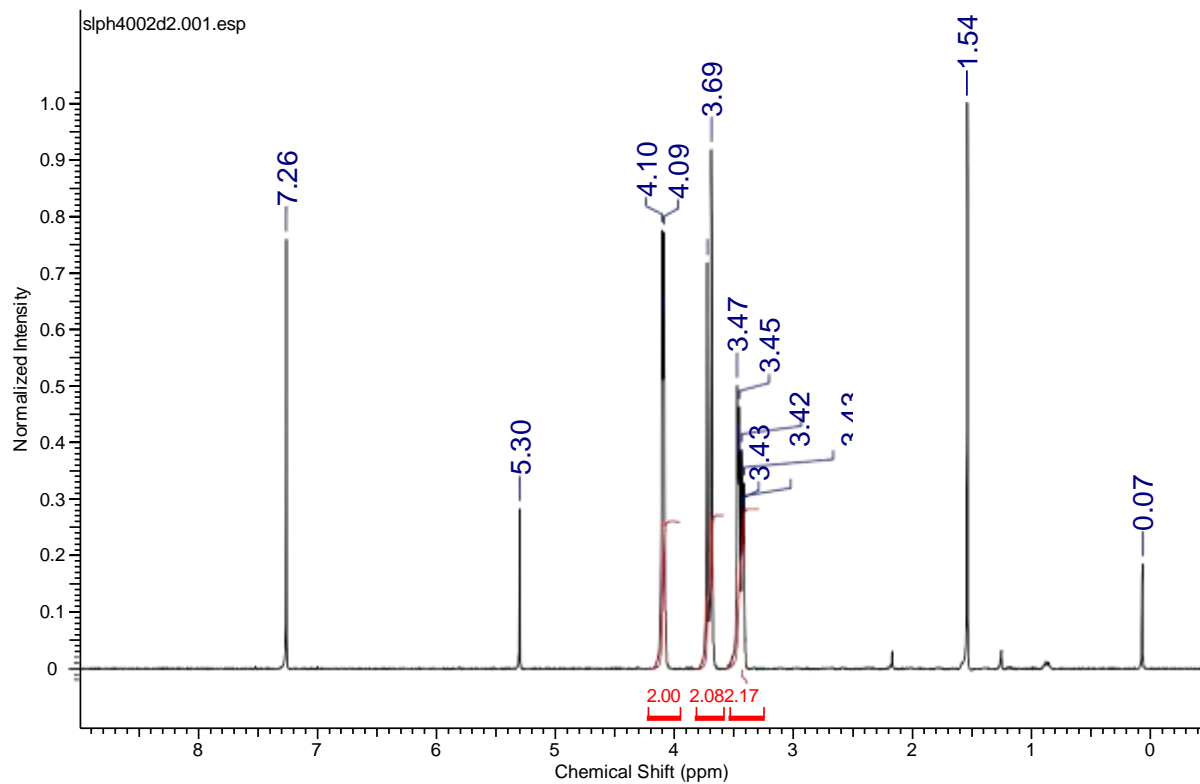


$^{13}\text{C}$

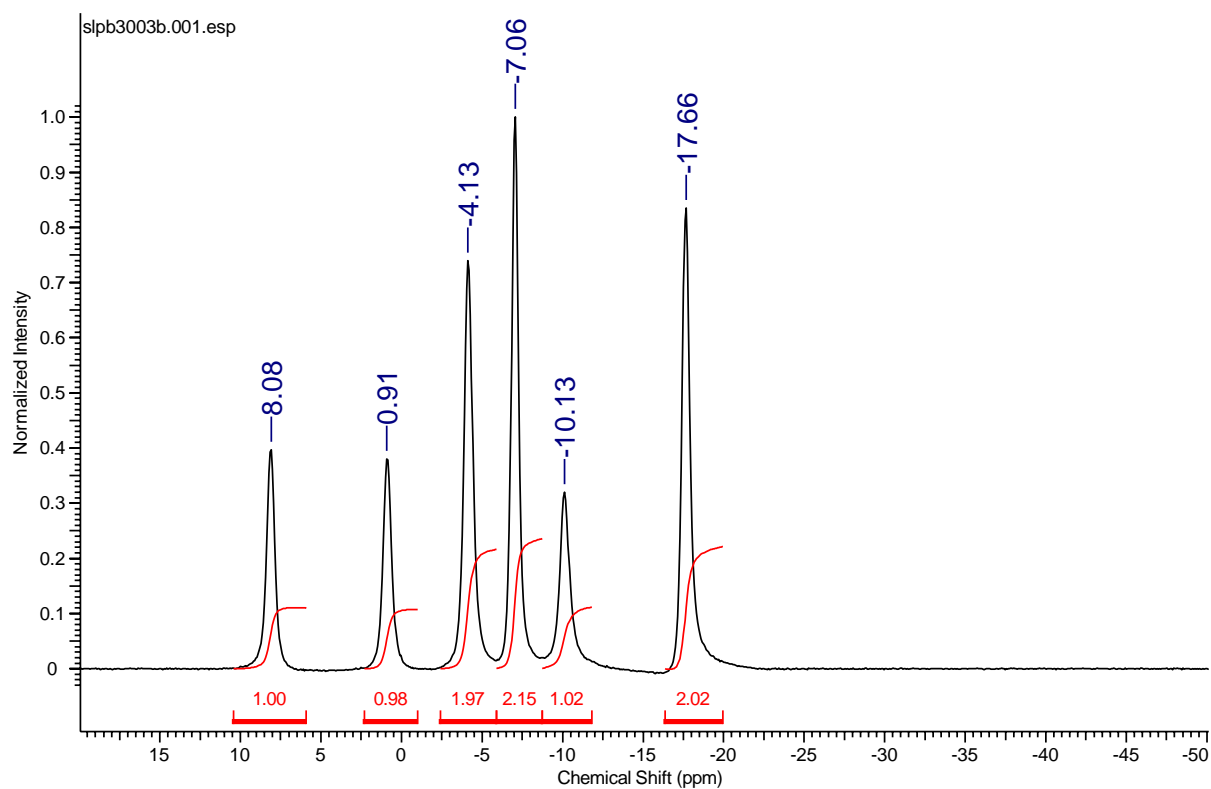


# Compound 3

$^1\text{H}$

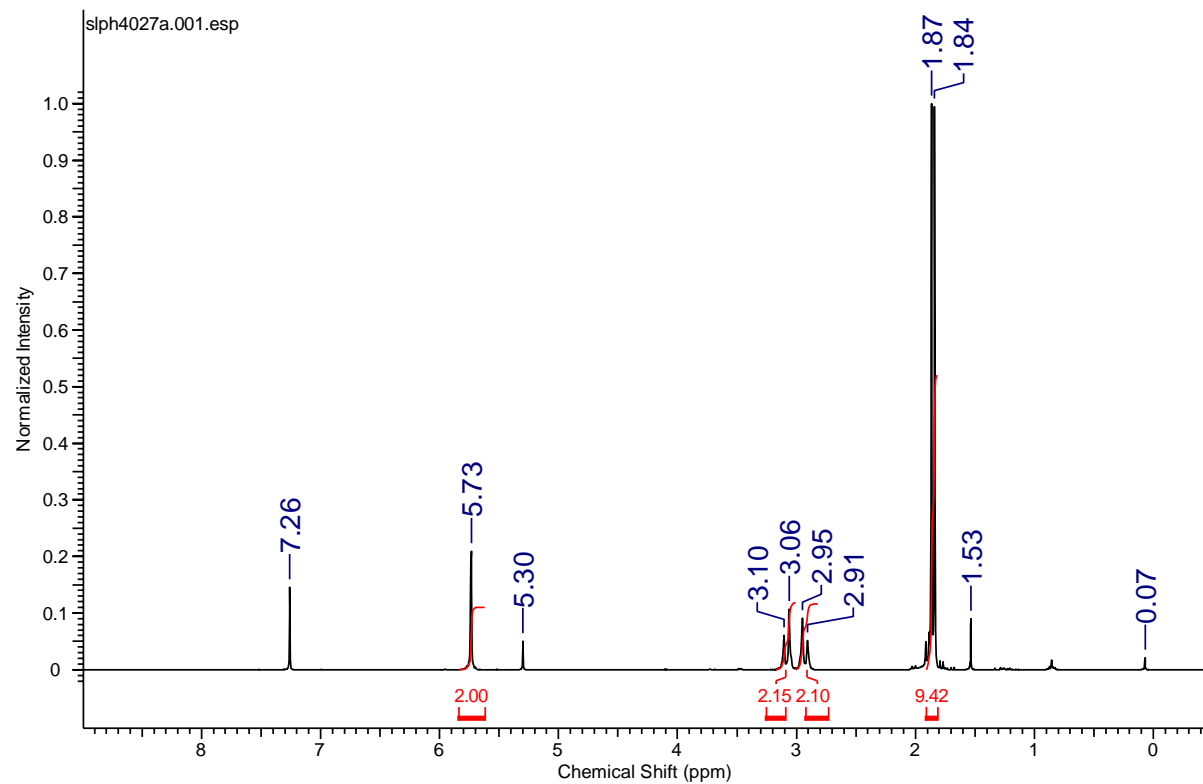


$^{11}\text{B}$

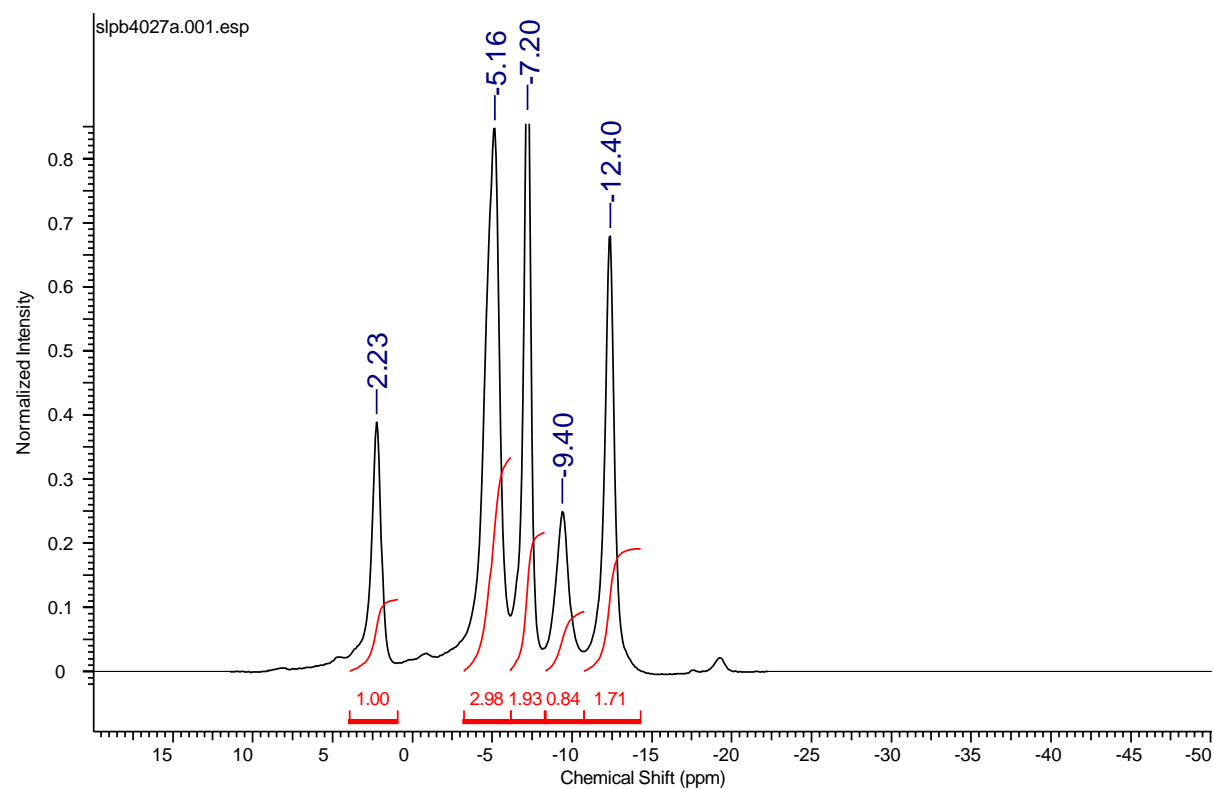


# Compound 4

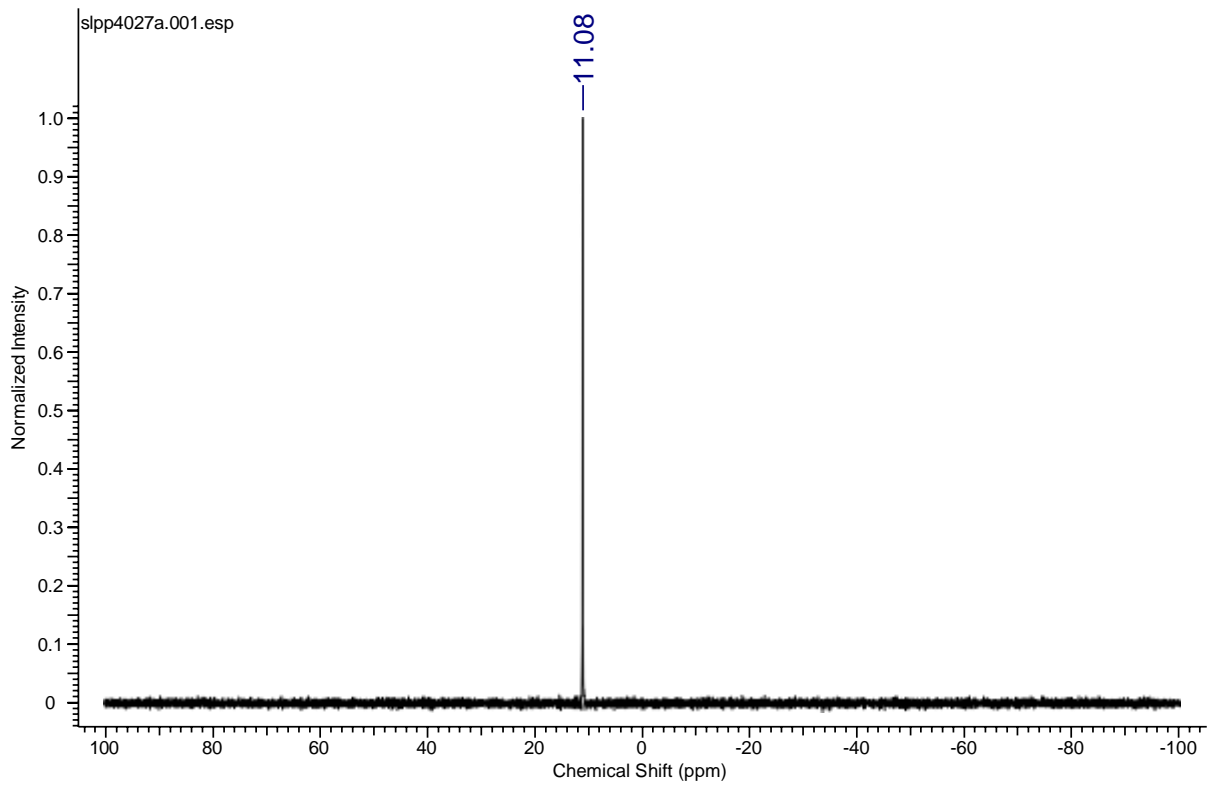
$^1\text{H}$



$^{13}\text{C}$

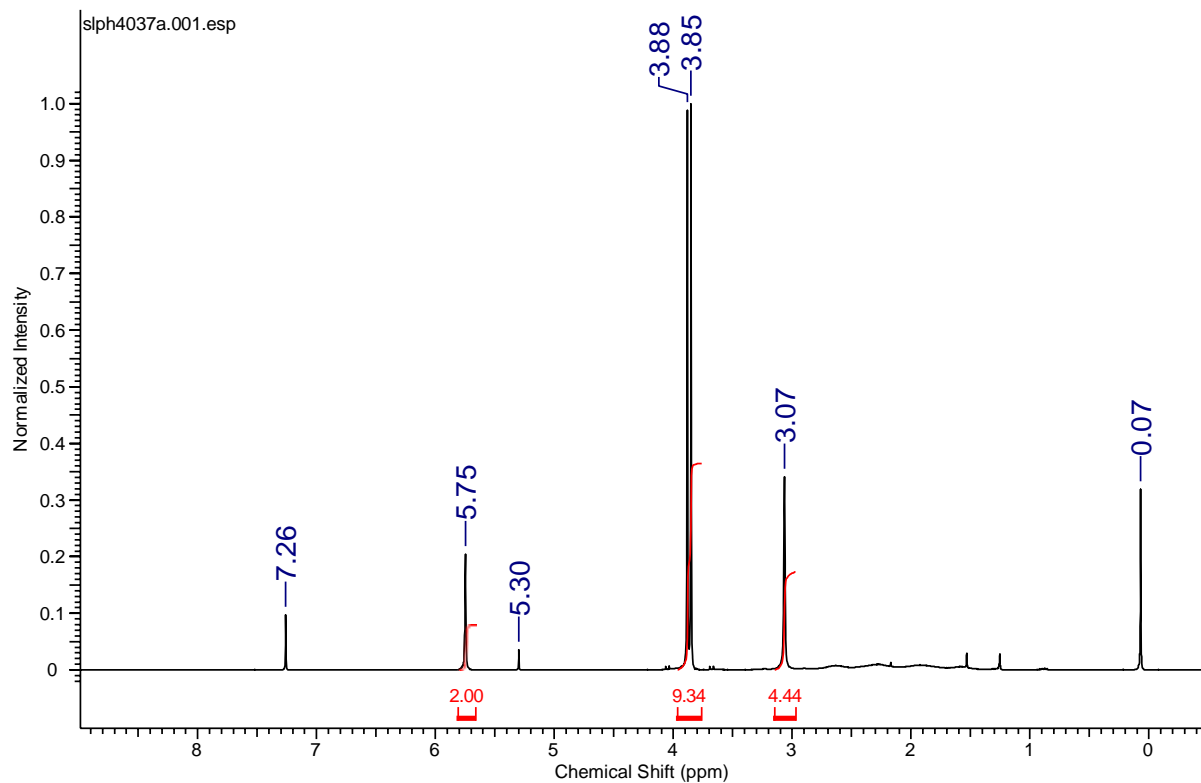


<sup>31</sup>P

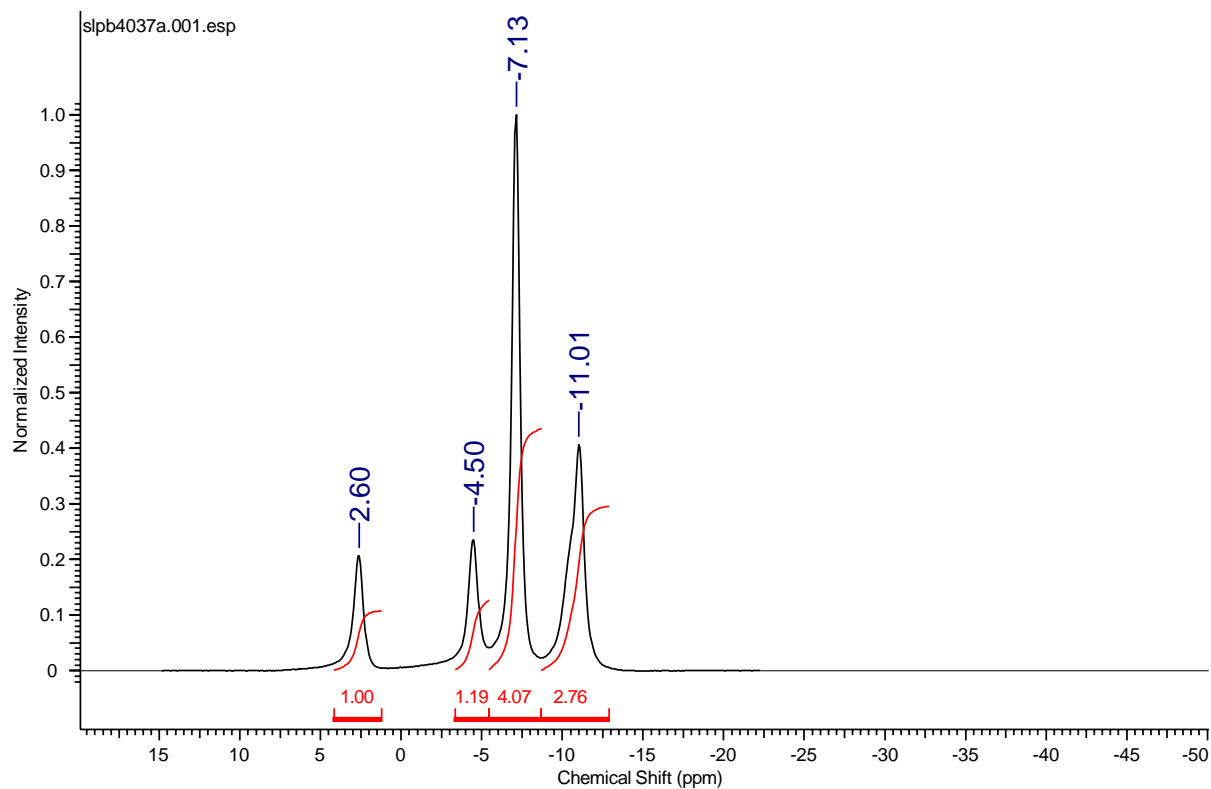


# Compound 5

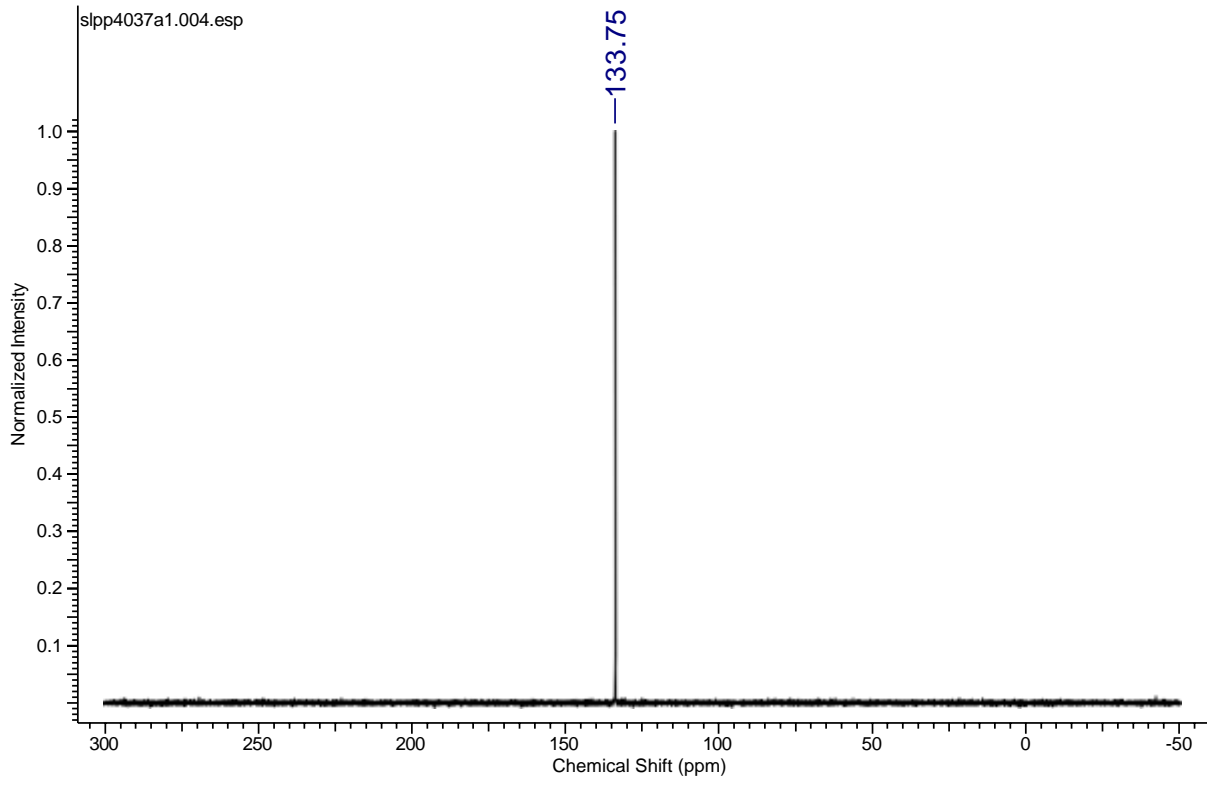
$^1\text{H}$



11B



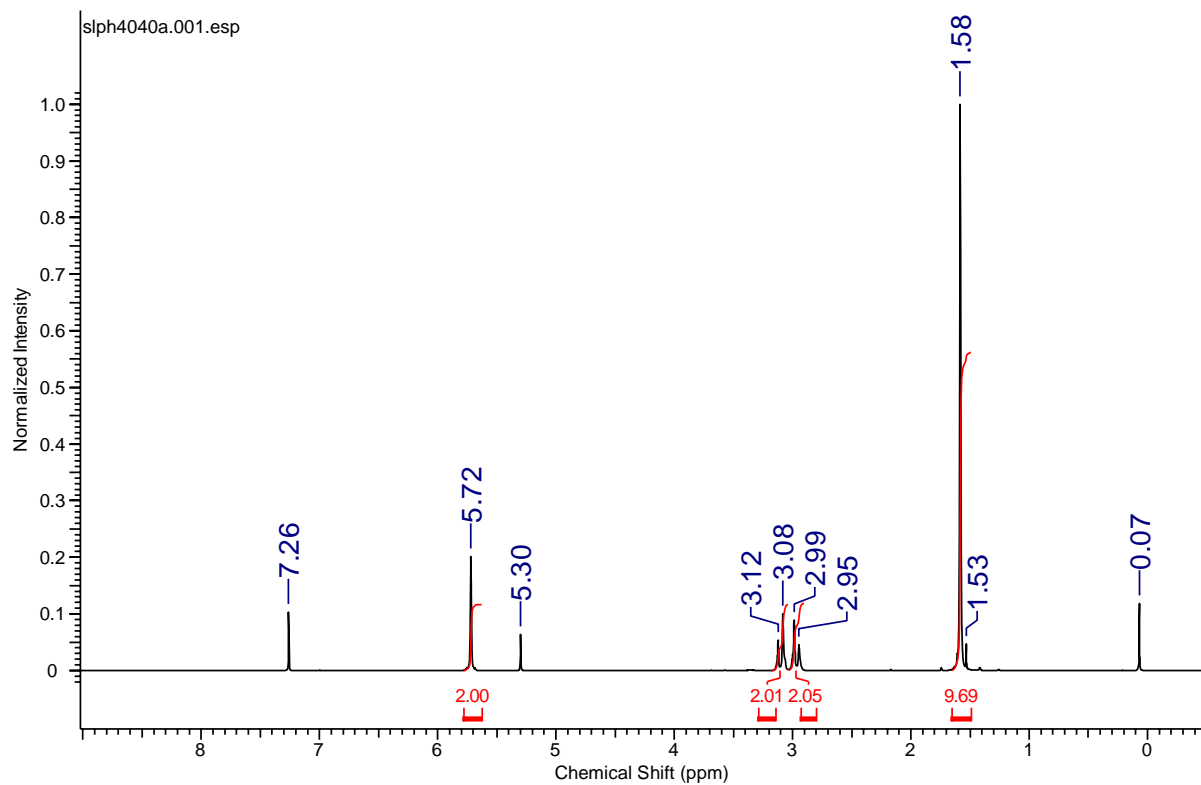
<sup>31</sup>P



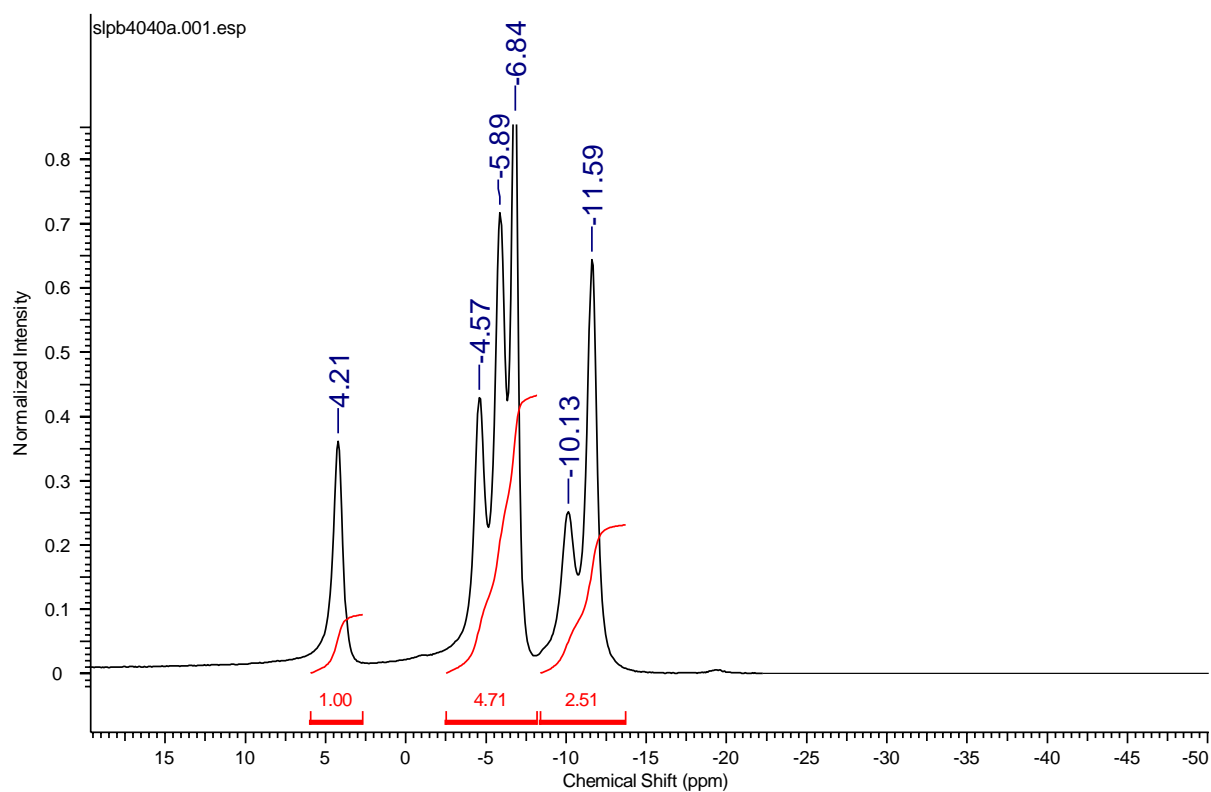


# Compound 6

$^1\text{H}$

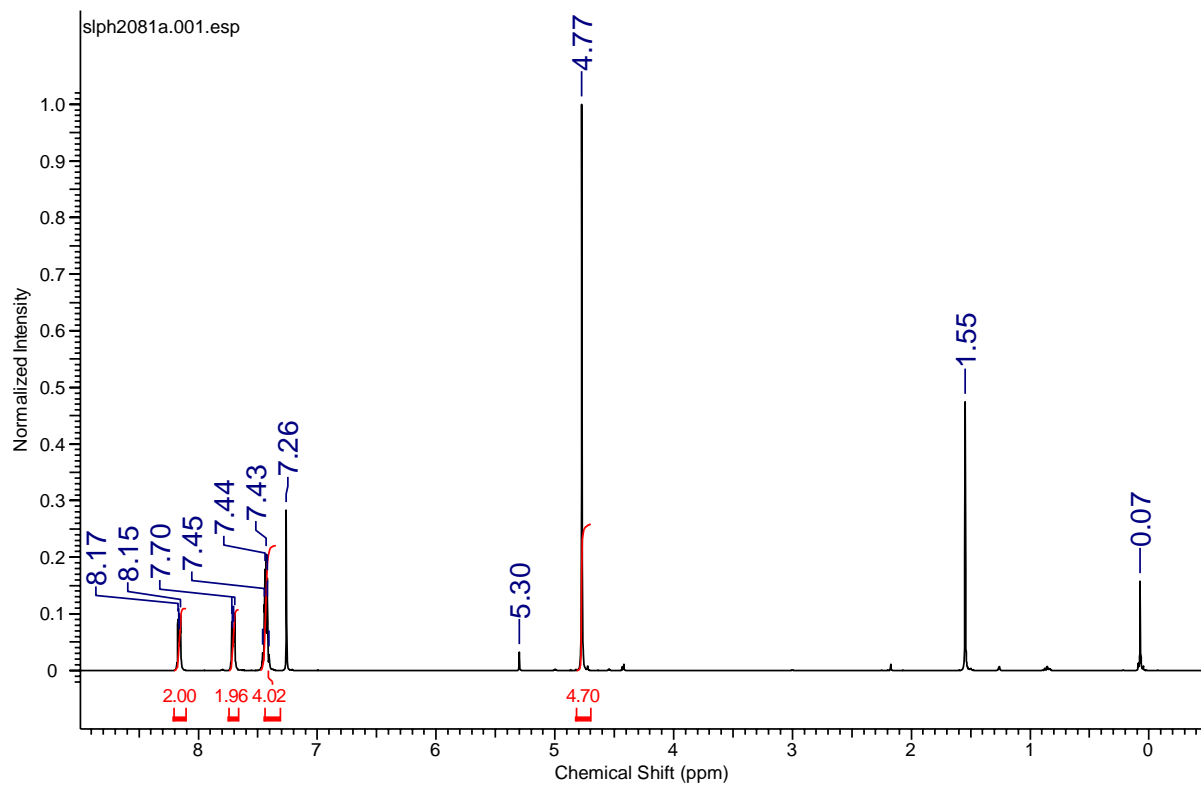


$^{11}\text{B}$

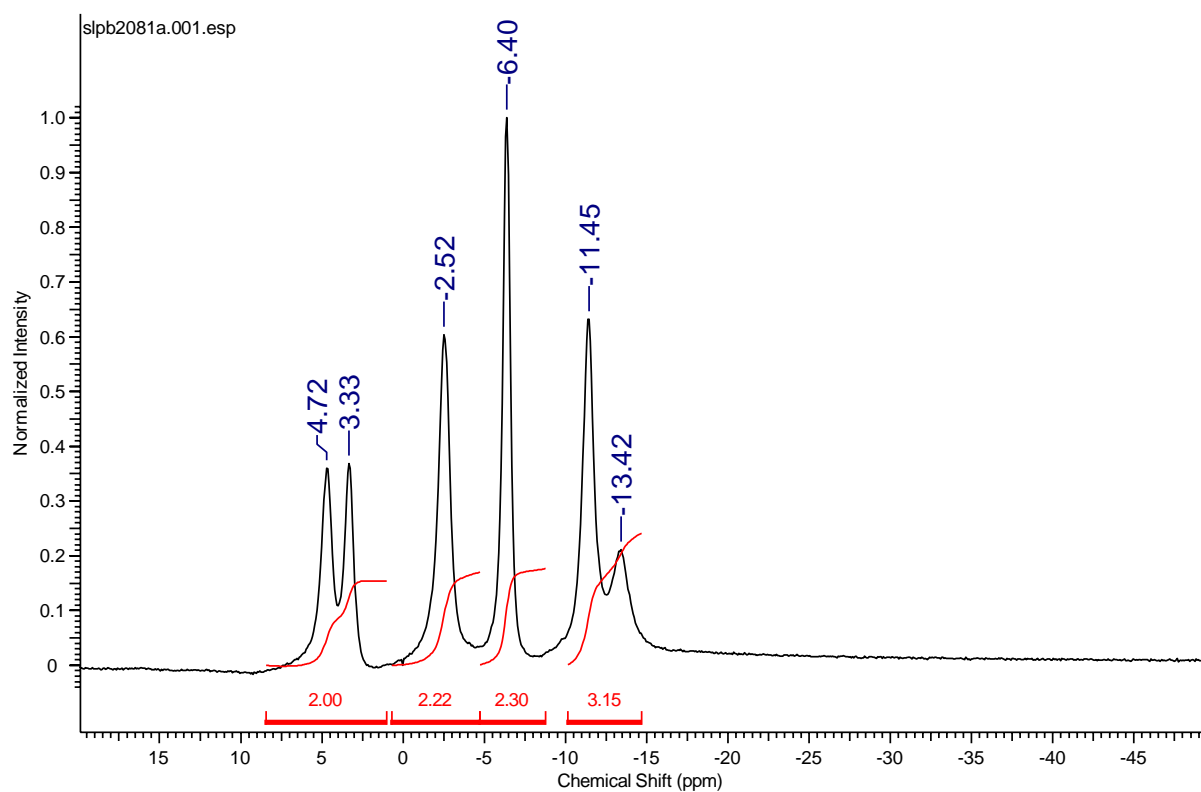


# Compound 7

<sup>1</sup>H

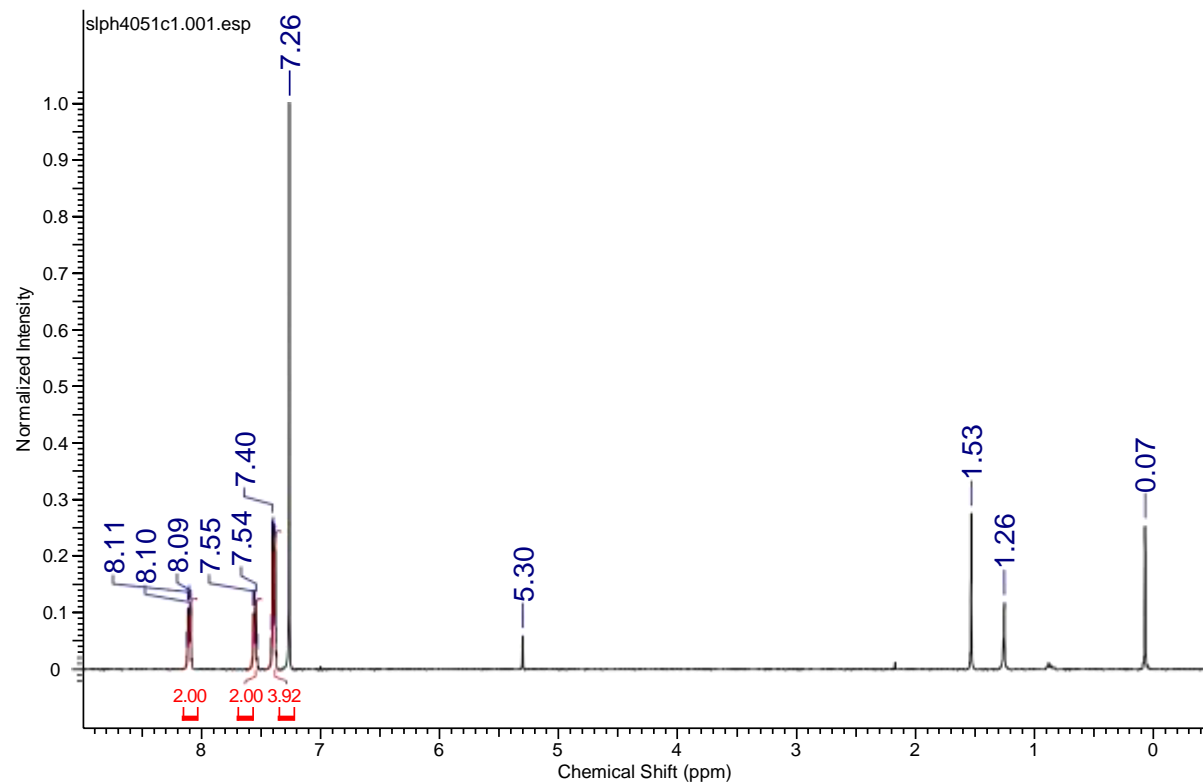


<sup>11</sup>B

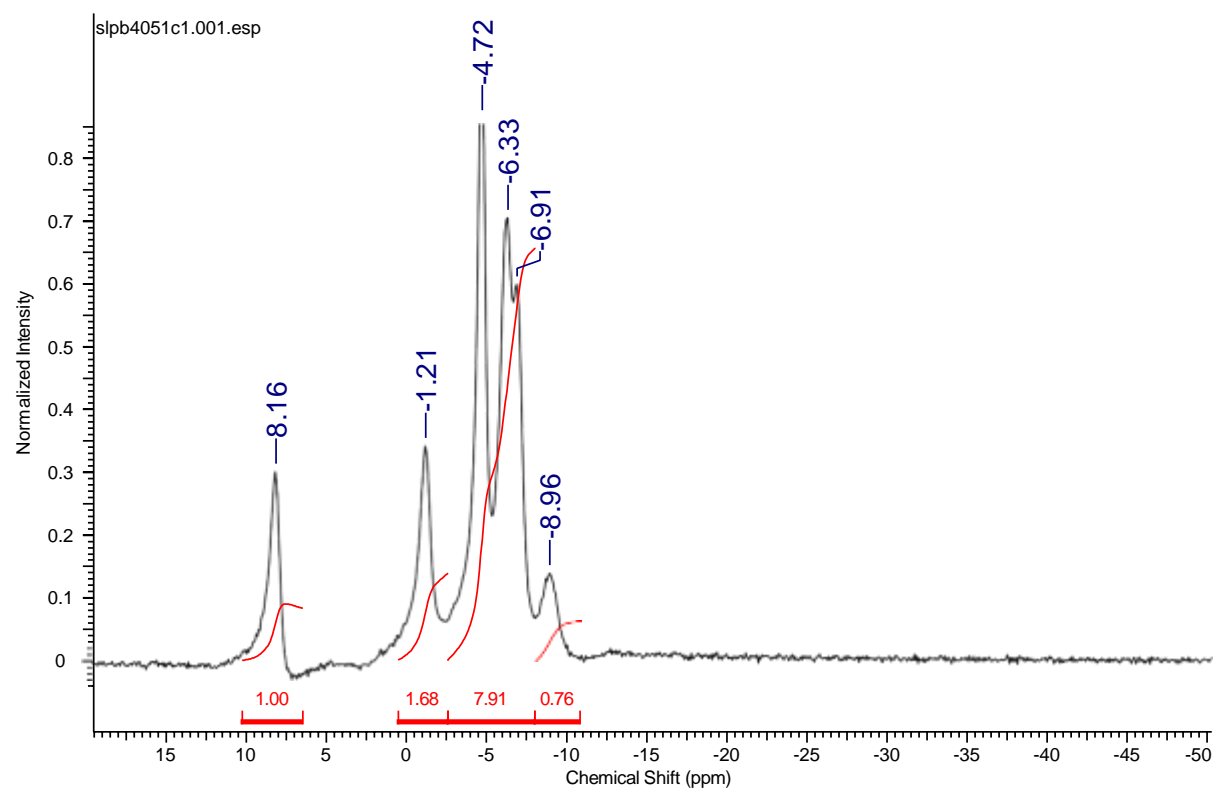


# Compound 8

$^1\text{H}$

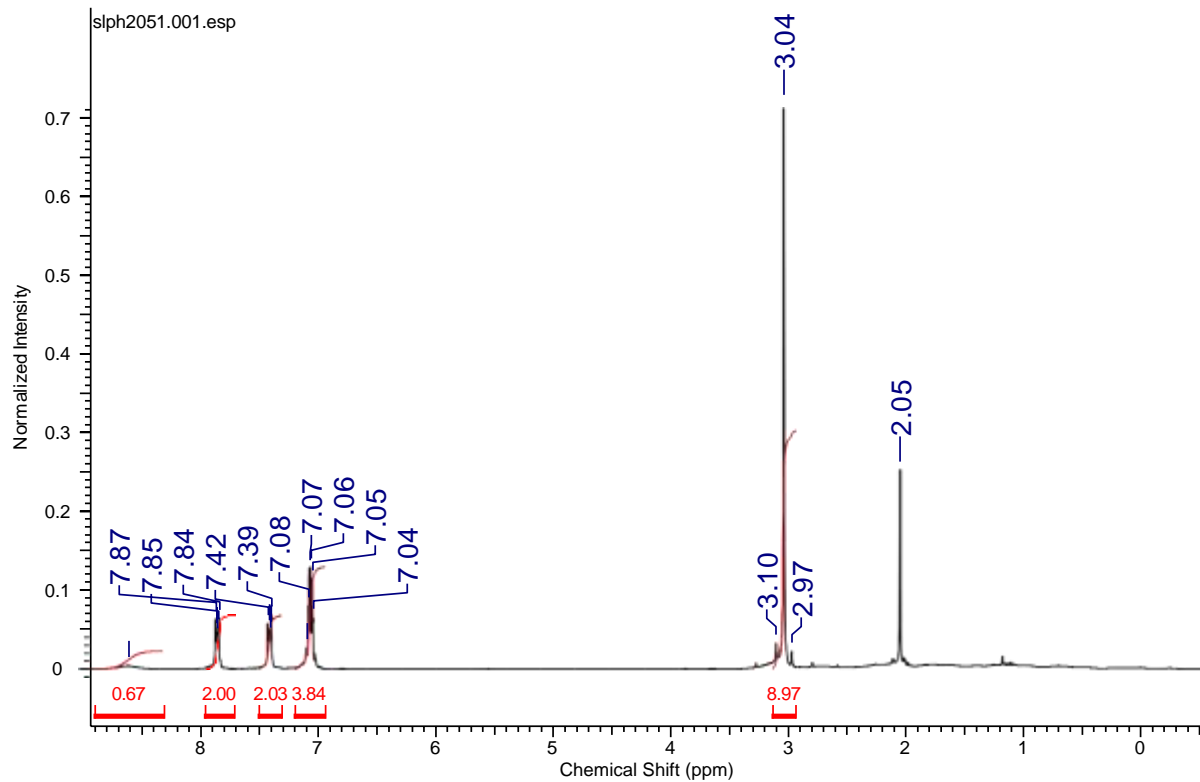


$^{11}\text{B}$



# Salt [HNMe<sub>3</sub>]<sup>IV</sup>

<sup>1</sup>H



<sup>11</sup>B

