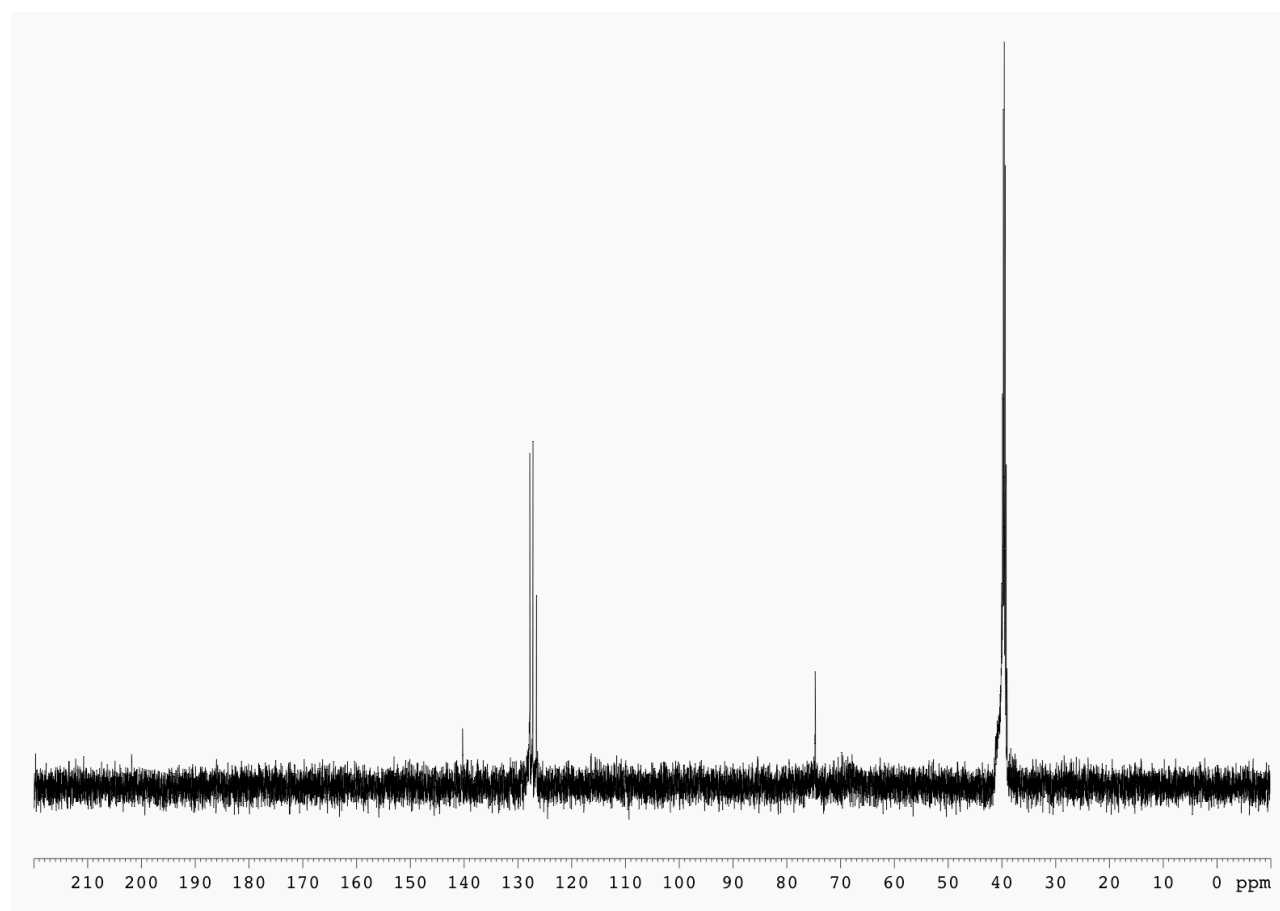
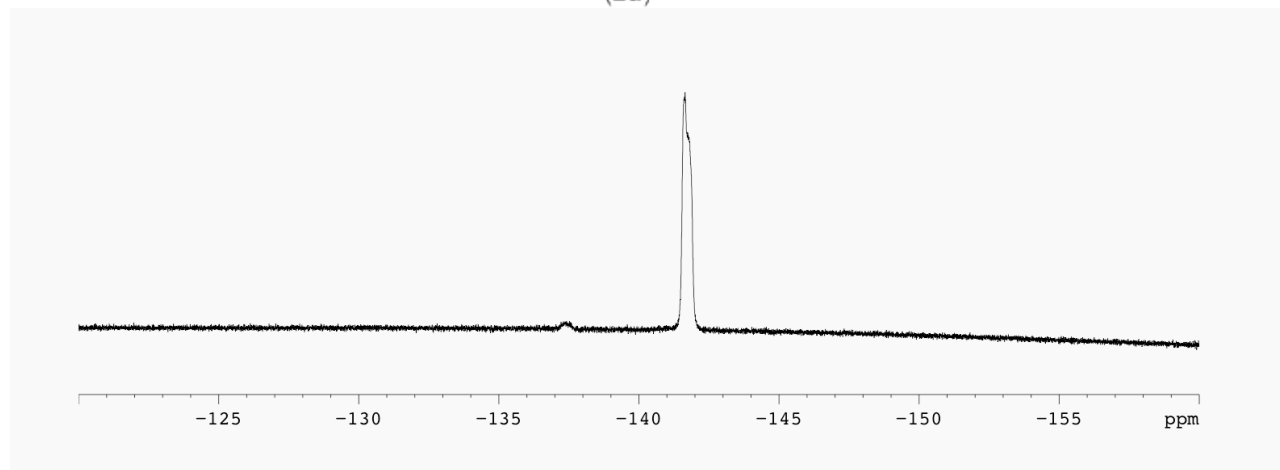
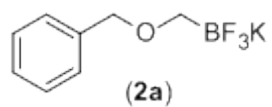


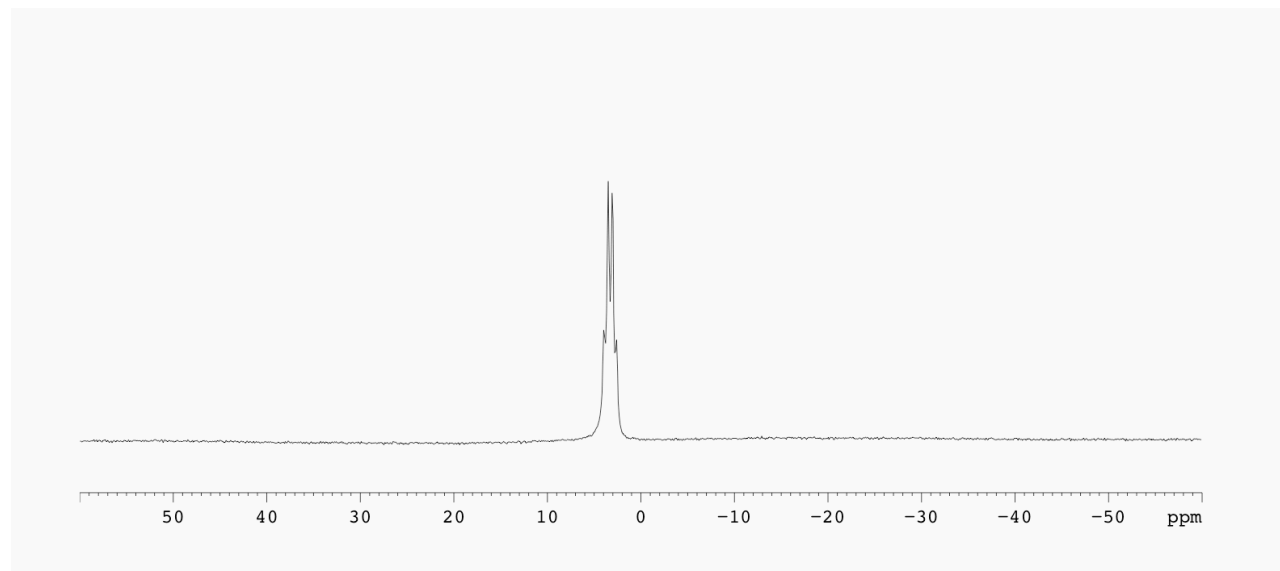
$^1\text{H}$  NMR (500 MHz,  $\text{DMSO-}d_6$ ) Spectrum of Benzyloxymethyltrifluoroborate (**2a**)



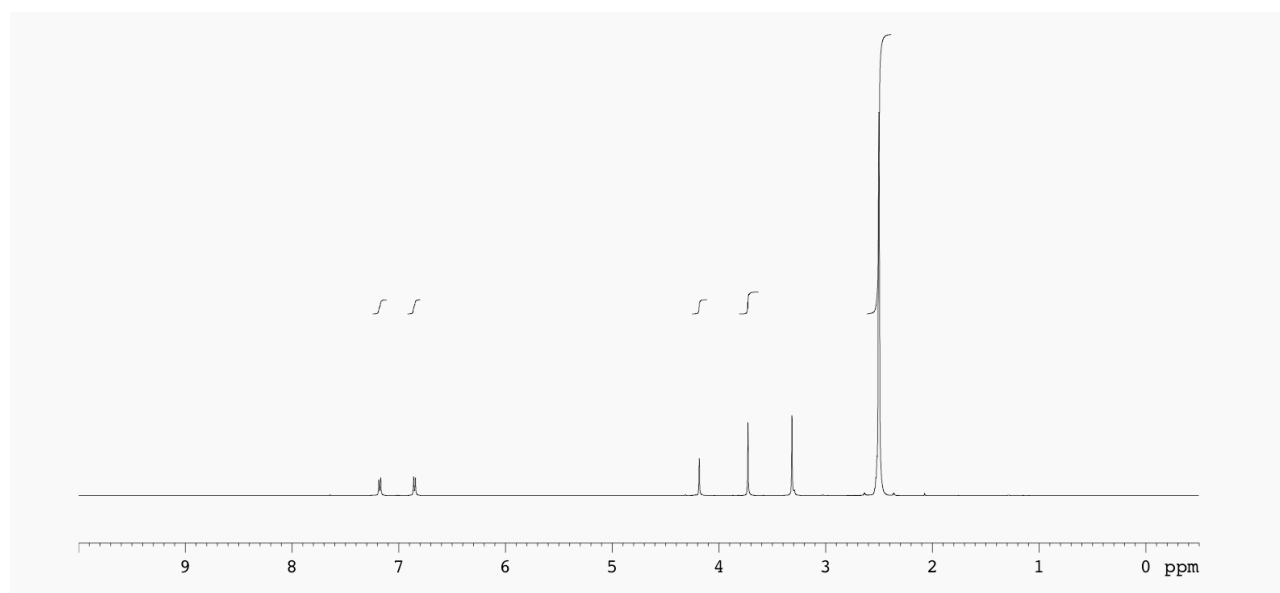
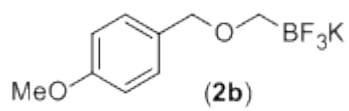
$^{13}\text{C}$  NMR (125.8 MHz,  $\text{DMSO-}d_6$ ) Spectrum of Benzyloxymethyltrifluoroborate (**2a**)



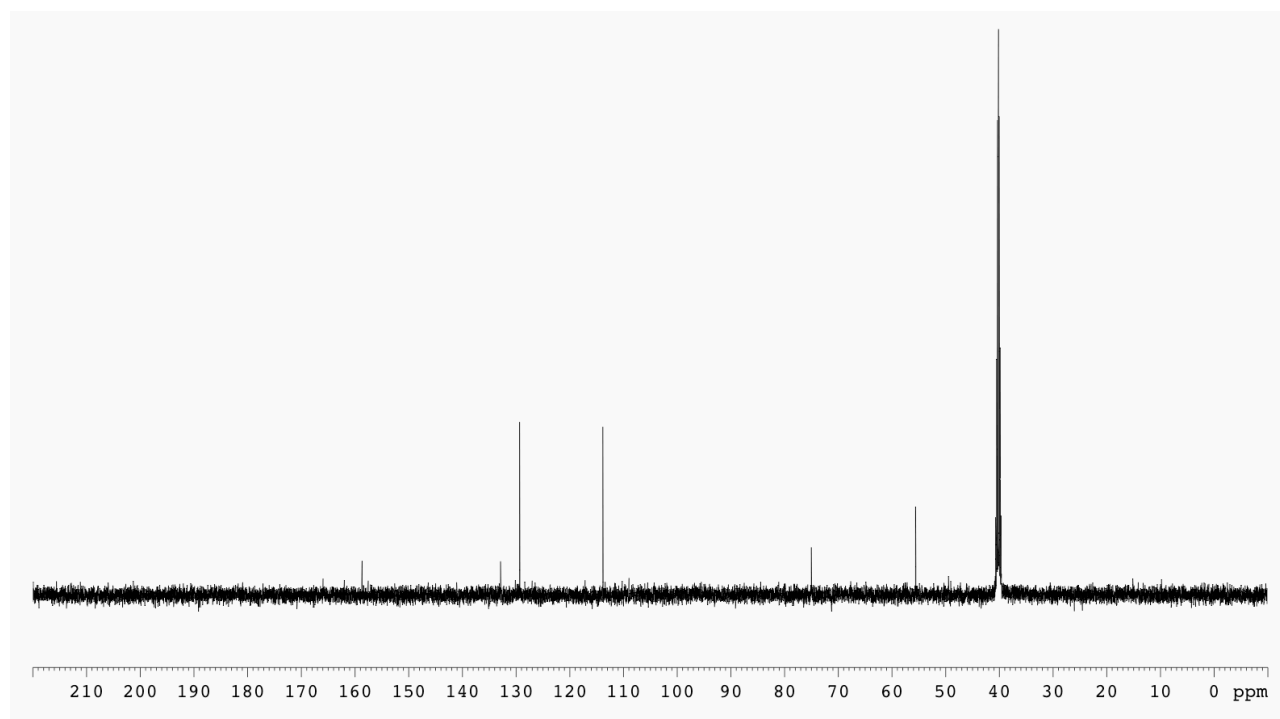
$^{19}\text{F}$  NMR (470.8 MHz,  $\text{DMSO-}d_6$ ) Spectrum of Benzyloxymethyltrimethyltrifluoroborate (2a)



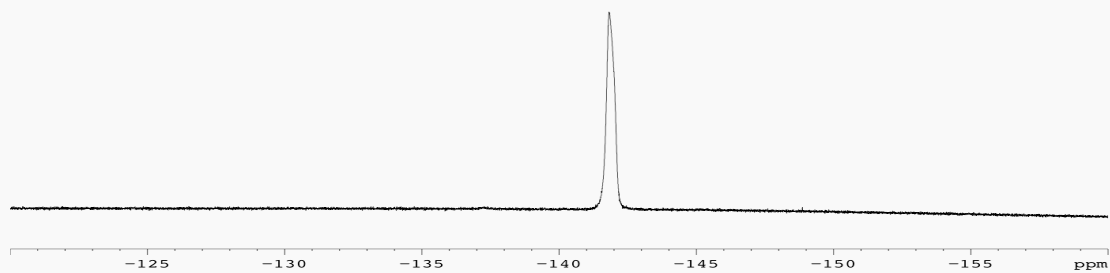
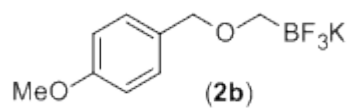
$^{11}\text{B}$  NMR (128.4 MHz, Acetonitrile) Spectrum of Benzyloxymethyltrimethyltrifluoroborate (2a)



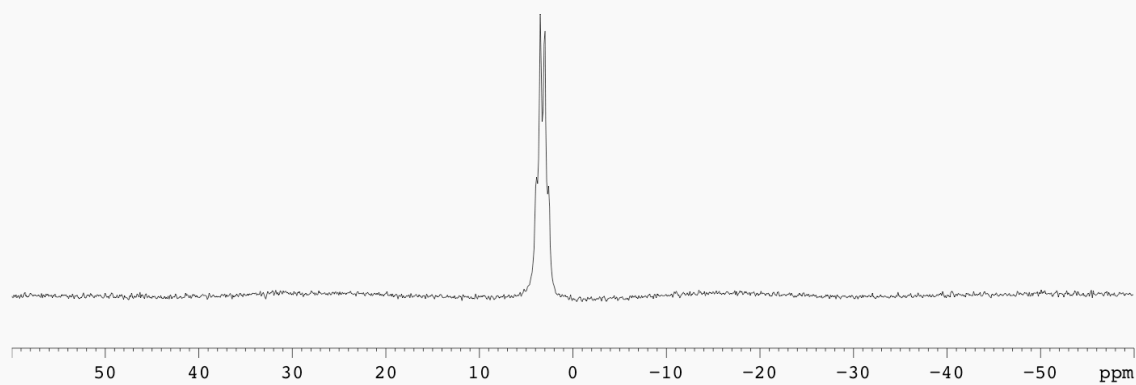
$^1\text{H}$  NMR (500 MHz,  $\text{DMSO-}d_6$ ) Spectrum of Potassium-(4-Methoxybenzyloxy)methyltrifluoroborate (**2b**)



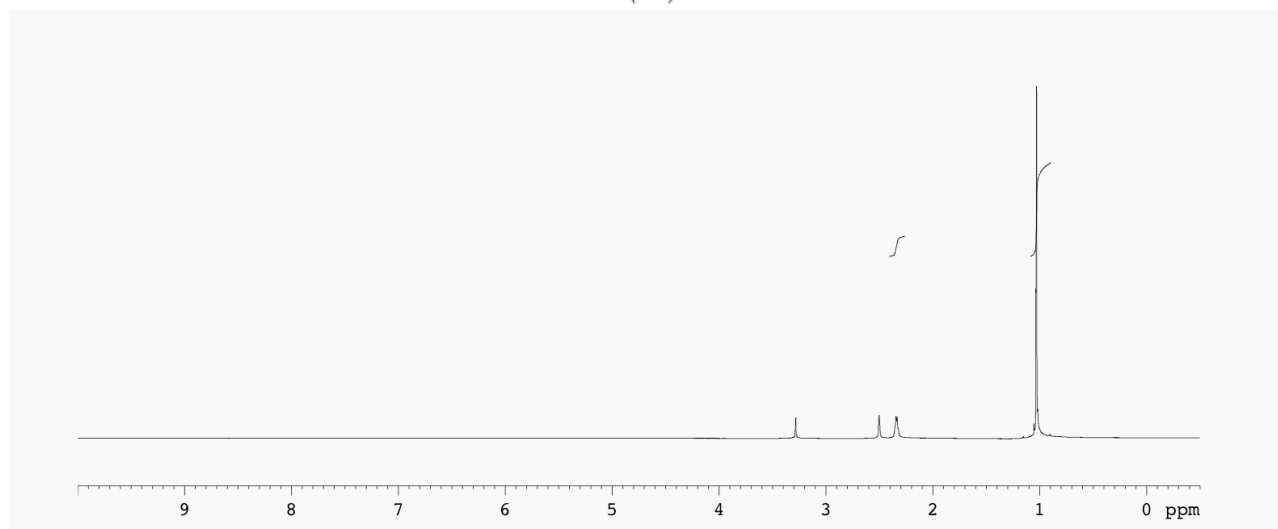
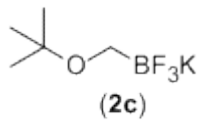
$^{13}\text{C}$  NMR (125.8 MHz,  $\text{DMSO-}d_6$ ) Spectrum of Potassium-(4-Methoxybenzyloxy)methyltrifluoroborate (**2b**)



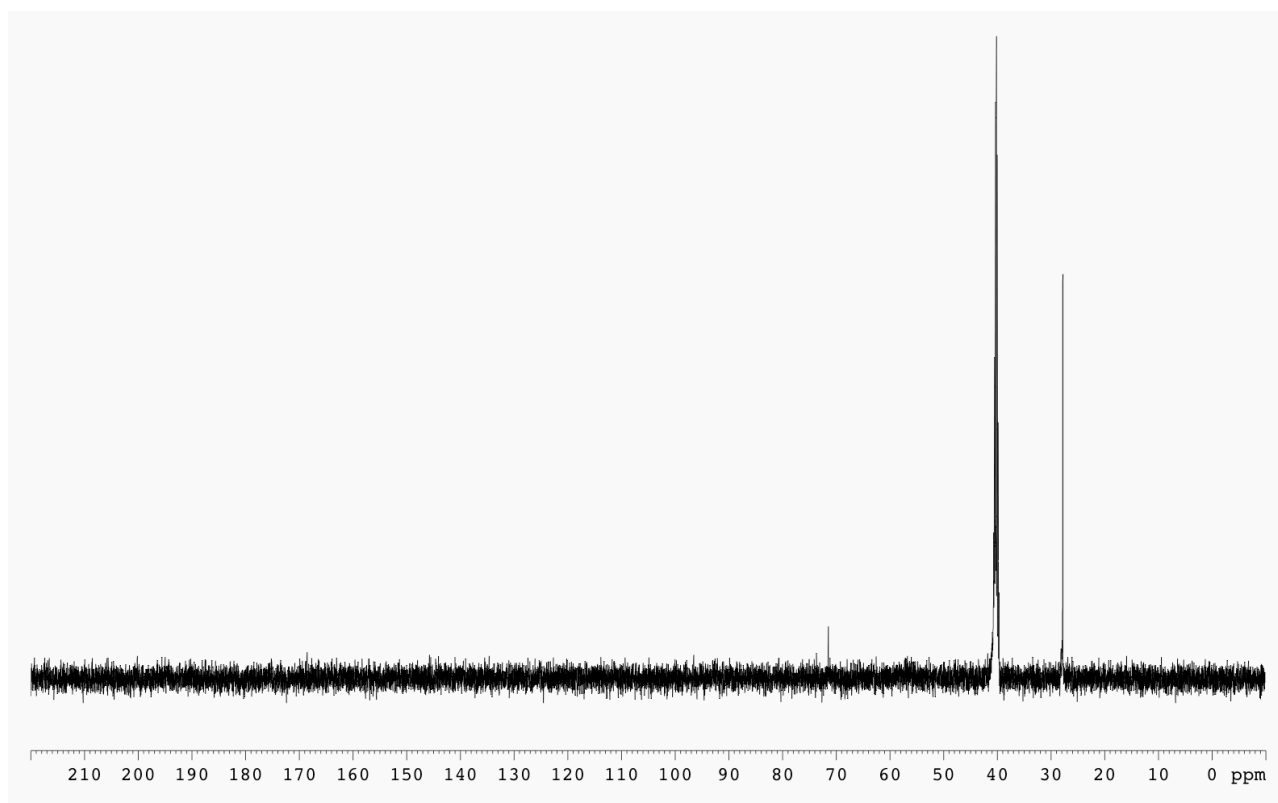
$^{19}\text{F}$  NMR (470.8 MHz,  $\text{DMSO-}d_6$ ) Spectrum of Potassium-(4-Methoxybenzyloxy)methyltrifluoroborate (**2b**)



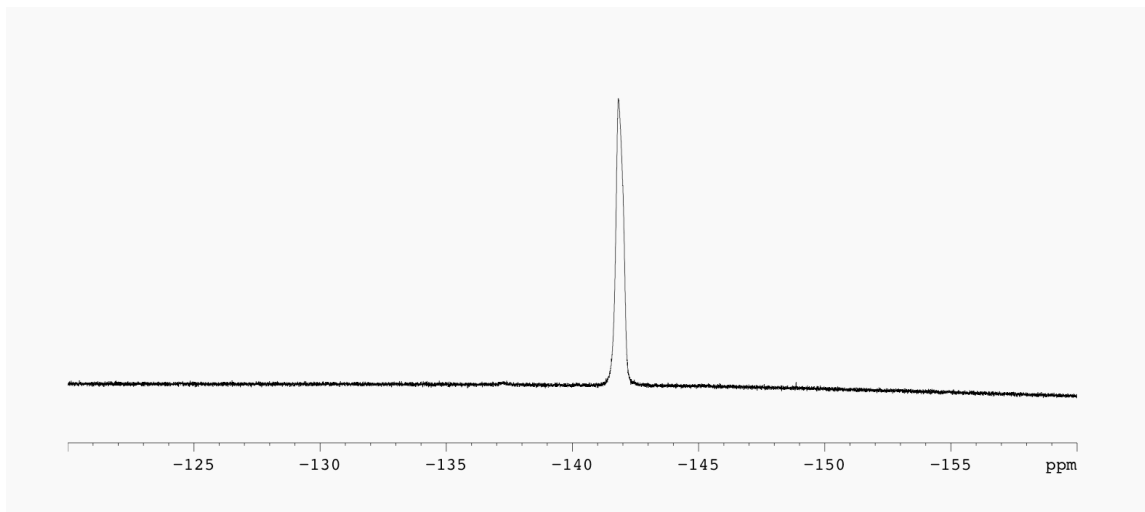
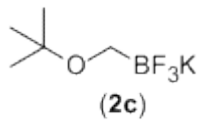
$^{11}\text{B}$  NMR (128.4 MHz, Acetonitrile) Spectrum of Potassium-(4-Methoxybenzyloxy)methyltrifluoroborate (**2b**)



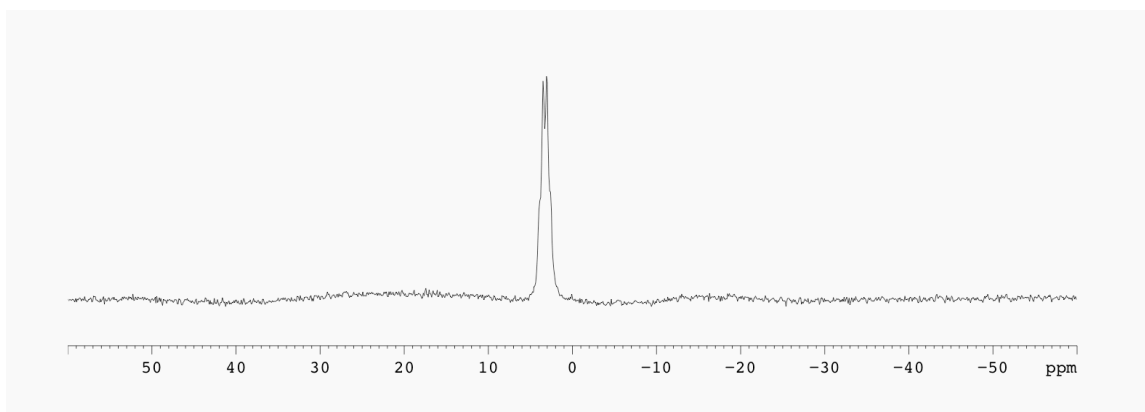
<sup>1</sup>H NMR (500 MHz, DMSO-*d*<sub>6</sub>) Spectrum of Potassium *t*-Butoxymethyltrifluoroborate (2c)



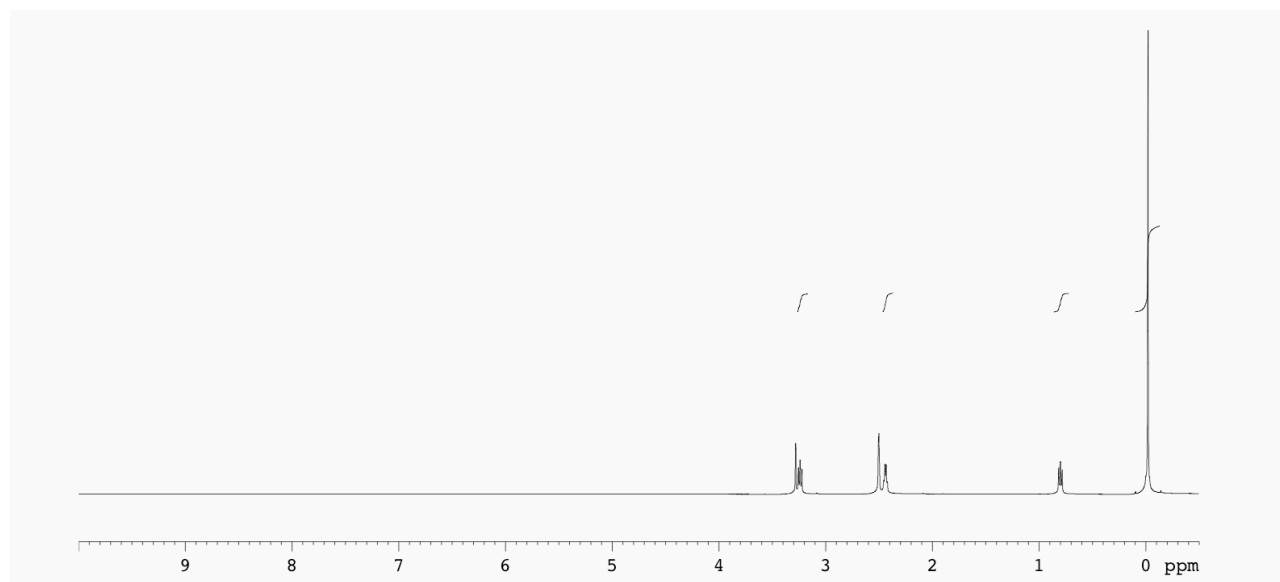
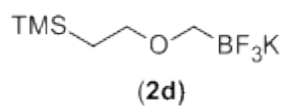
<sup>13</sup>C NMR (125.8 MHz, DMSO-*d*<sub>6</sub>) Spectrum of Potassium *t*-Butoxymethyltrifluoroborate (2c)



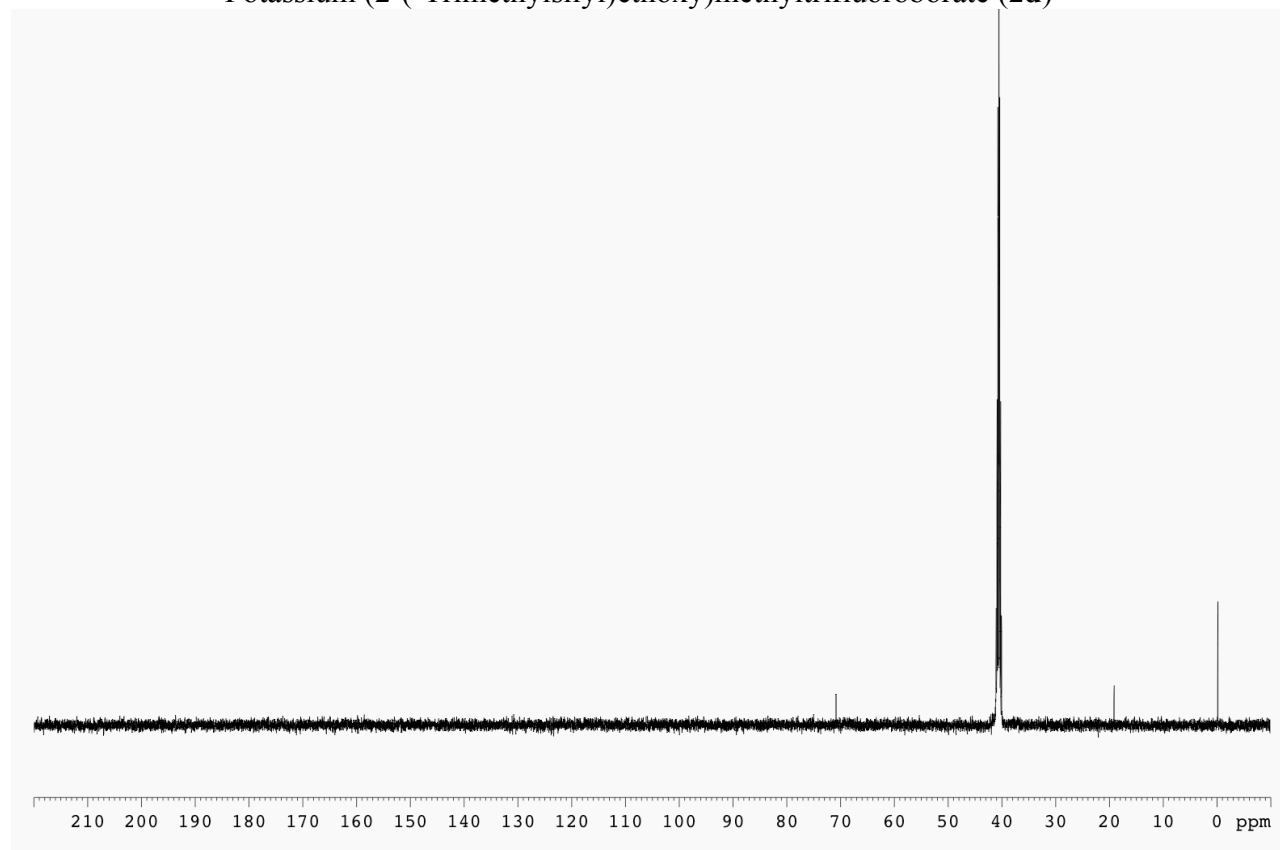
$^{19}\text{F}$  NMR (470.8 MHz,  $\text{DMSO-}d_6$ ) Spectrum of Potassium *t*-Butoxymethyltrifluoroborate (2c)



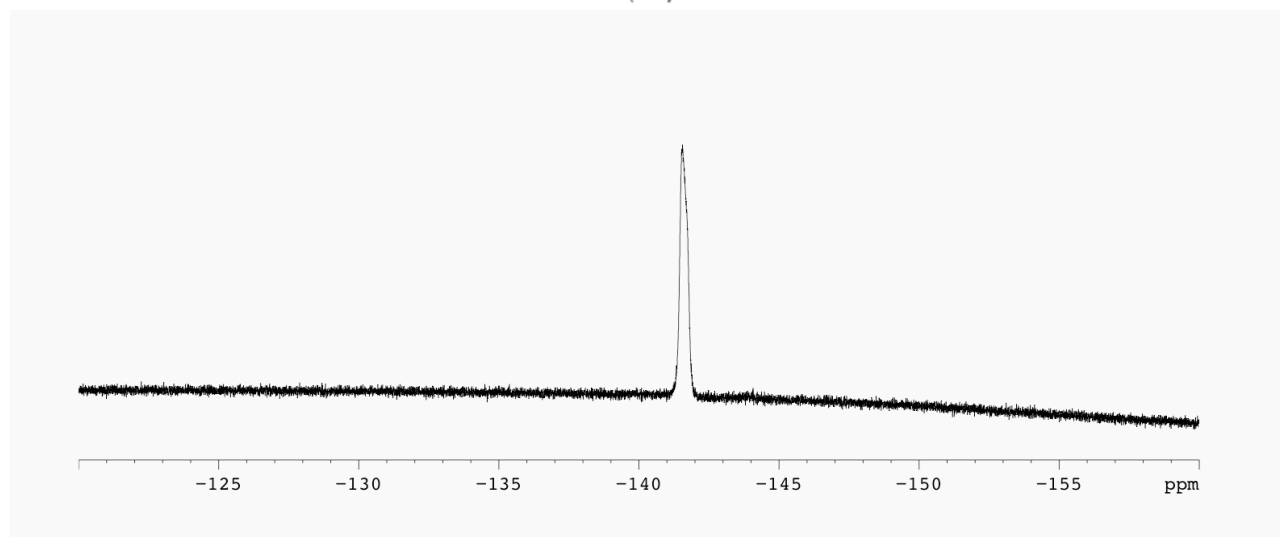
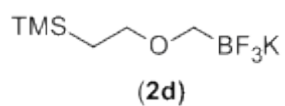
$^{11}\text{B}$  NMR (128.4 MHz, Acetonitrile) Spectrum of Potassium *t*-Butoxymethyltrifluoroborate (2c)



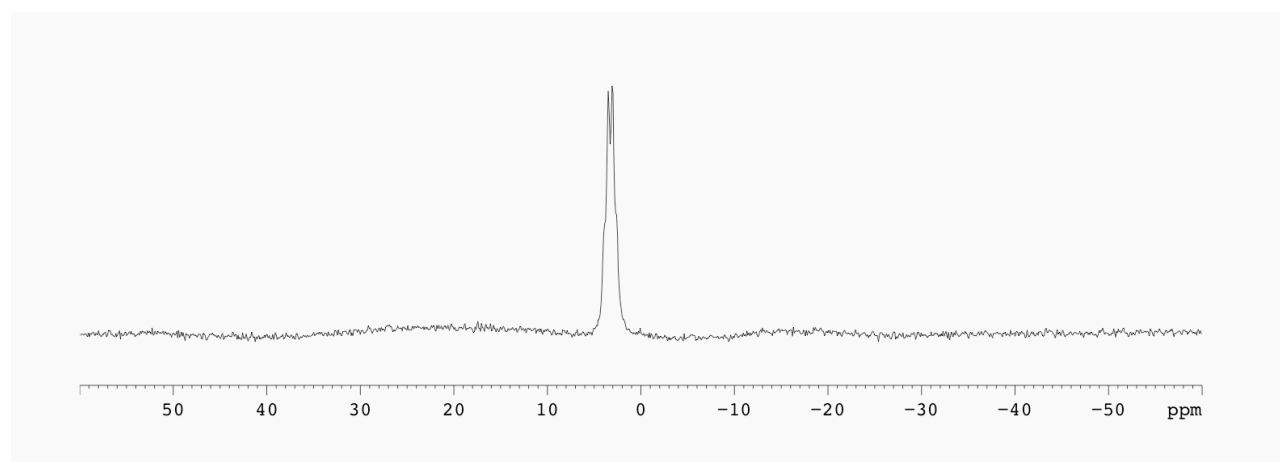
<sup>1</sup>H NMR (500 MHz, DMSO-*d*<sub>6</sub>) Spectrum of Potassium (2-(Trimethylsilyl)ethoxy)methyltrifluoroborate (2d)



<sup>13</sup>C NMR (125.8 MHz, DMSO-*d*<sub>6</sub>) Spectrum of Potassium (2-(Trimethylsilyl)ethoxy)methyltrifluoroborate (2d)

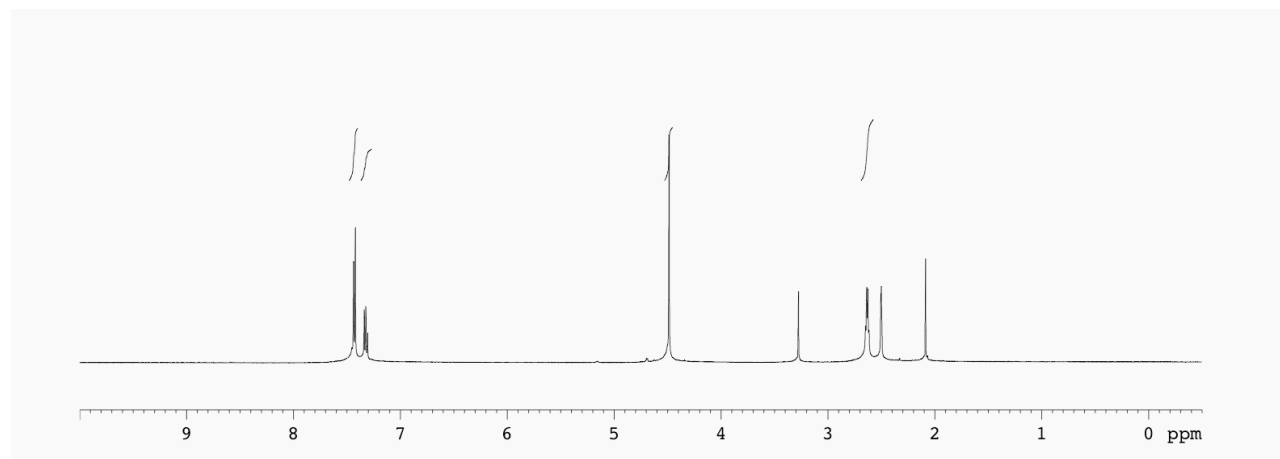
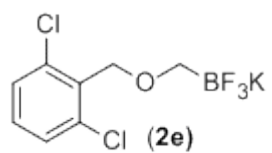


$^{19}\text{F}$  NMR (470.8 MHz,  $\text{DMSO-}d_6$ ) Spectrum of Potassium (2-(Trimethylsilyl)ethoxy)methyltrifluoroborate (**2d**)

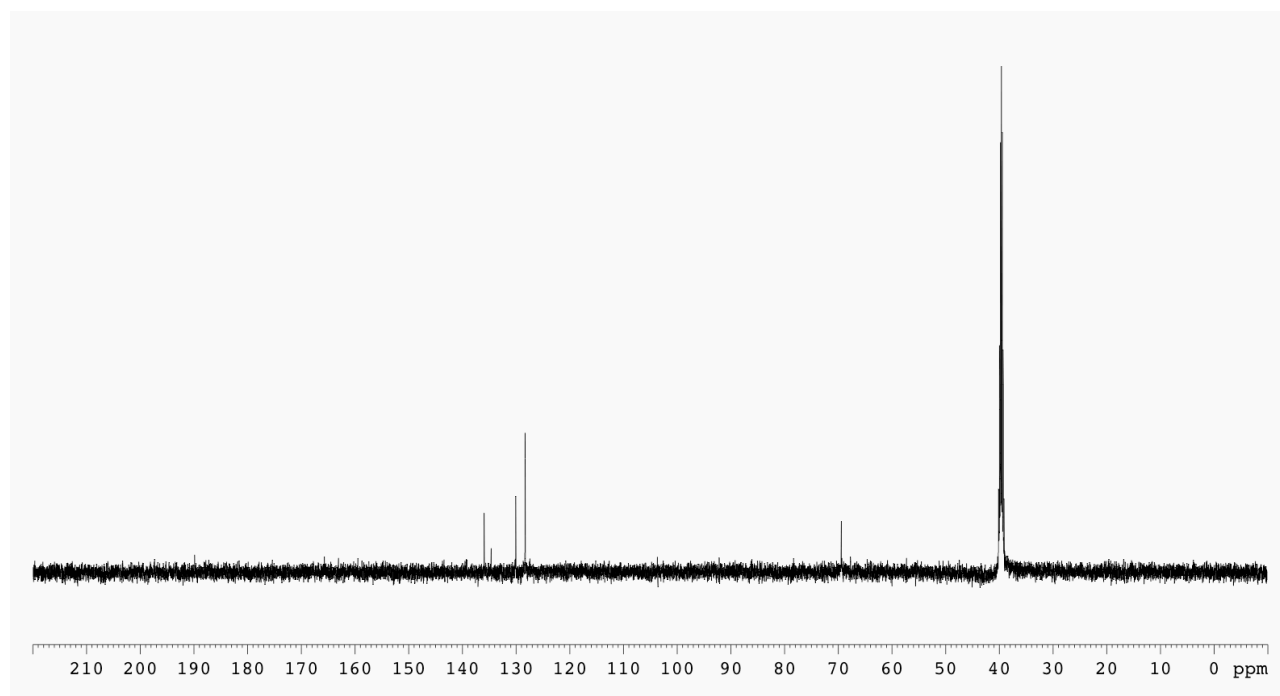


$^{11}\text{B}$  NMR (128.4 MHz, Acetonitrile) Spectrum of Potassium (2-(Trimethylsilyl)ethoxy)methyltrifluoroborate (**2d**)

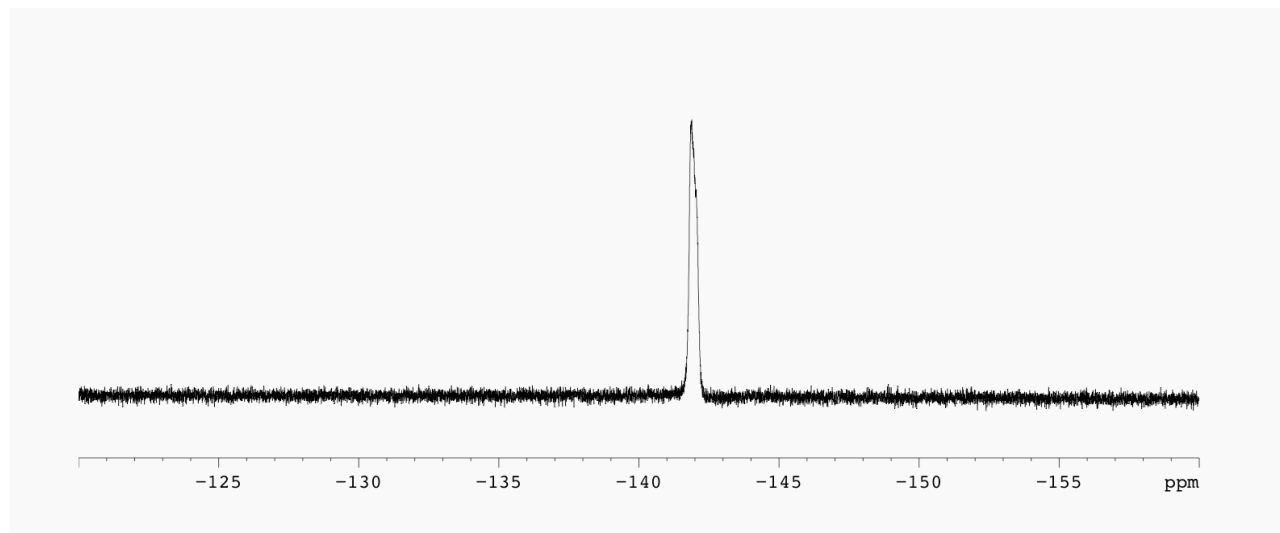
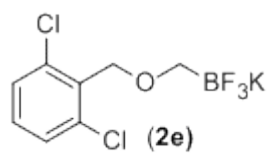




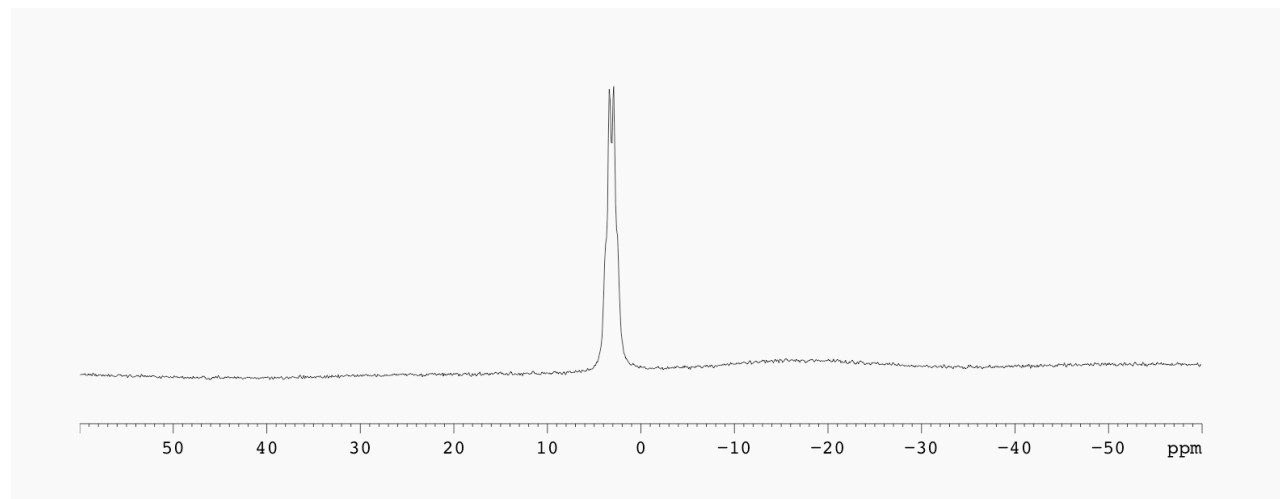
<sup>1</sup>H NMR (500 MHz, DMSO-*d*<sub>6</sub>) Spectrum of Potassium (2,6-Dichlorobenzoyloxy)methyltrifluoroborate (**2e**)



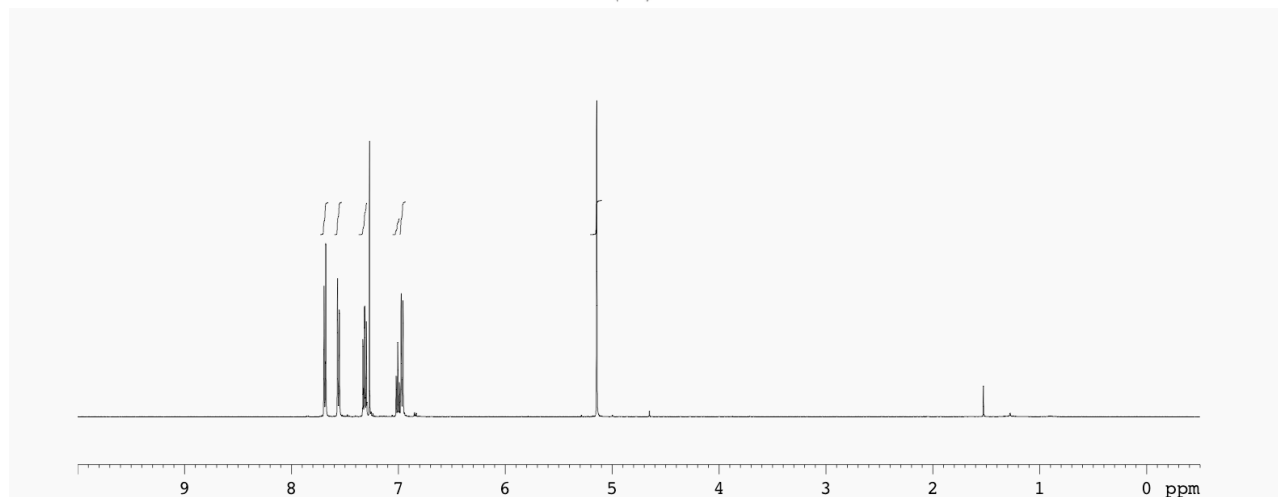
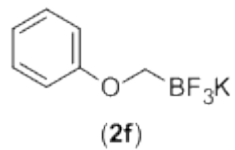
<sup>13</sup>C NMR (125.8 MHz, DMSO-*d*<sub>6</sub>) Spectrum of Potassium (2,6-Dichlorobenzoyloxy)methyltrifluoroborate (**2e**)



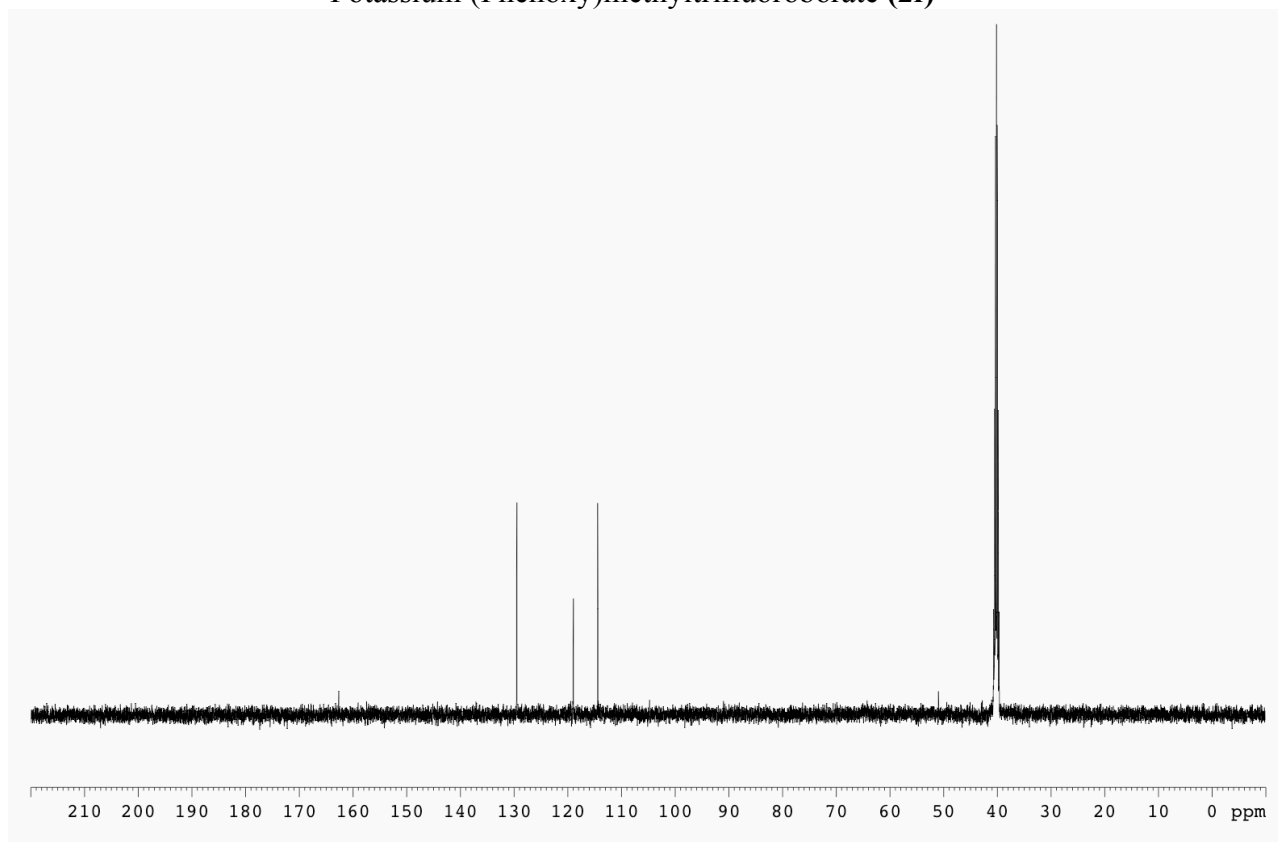
$^{19}\text{F}$  NMR (470.8 MHz,  $\text{DMSO-}d_6$ ) Spectrum of Potassium (2,6-Dichlorobenzoyloxy)methyltrifluoroborate (2e)



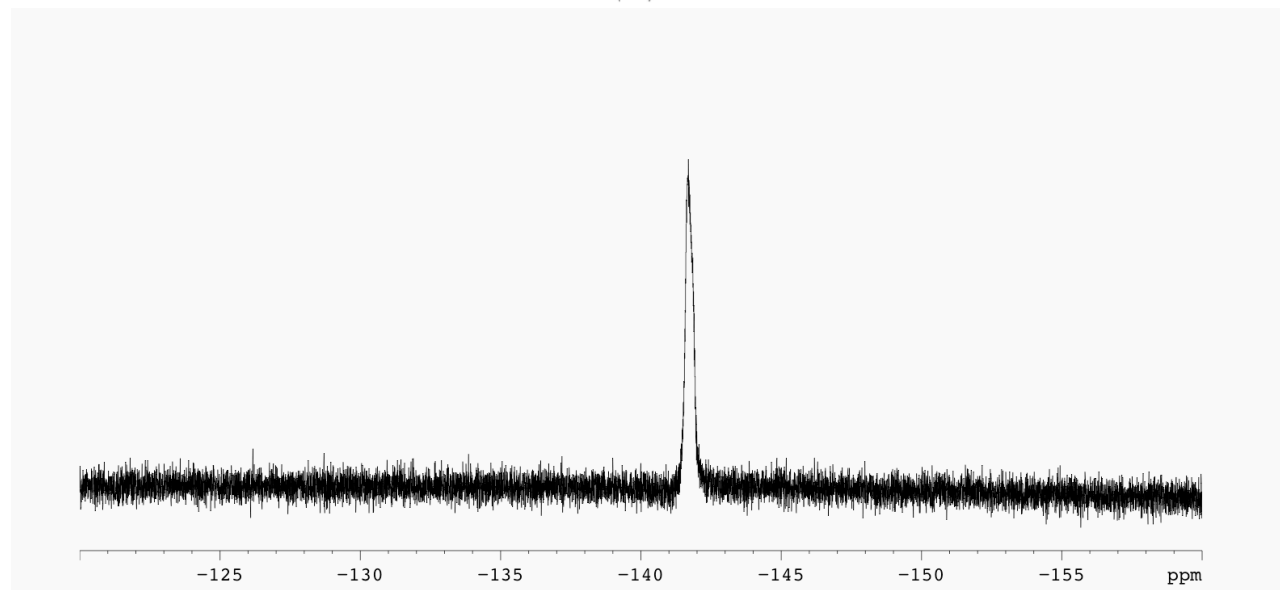
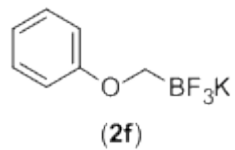
$^{11}\text{B}$  NMR (128.4 MHz, Acetonitrile) Spectrum of Potassium (2,6-Dichlorobenzoyloxy)methyltrifluoroborate (2e)



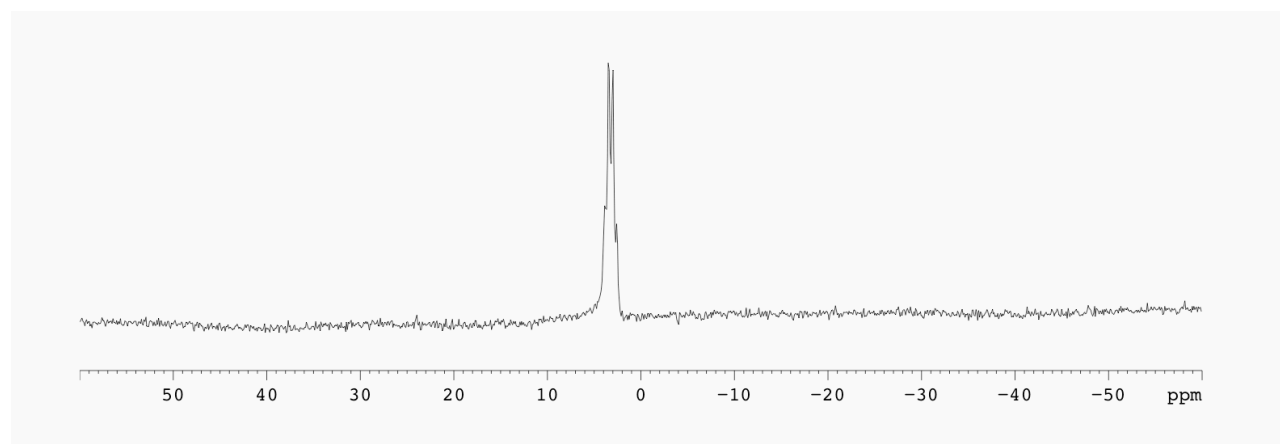
$^1\text{H}$  NMR (500 MHz,  $\text{DMSO-}d_6$ ) Spectrum of Potassium (Phenoxy)methyltrifluoroborate (**2f**)



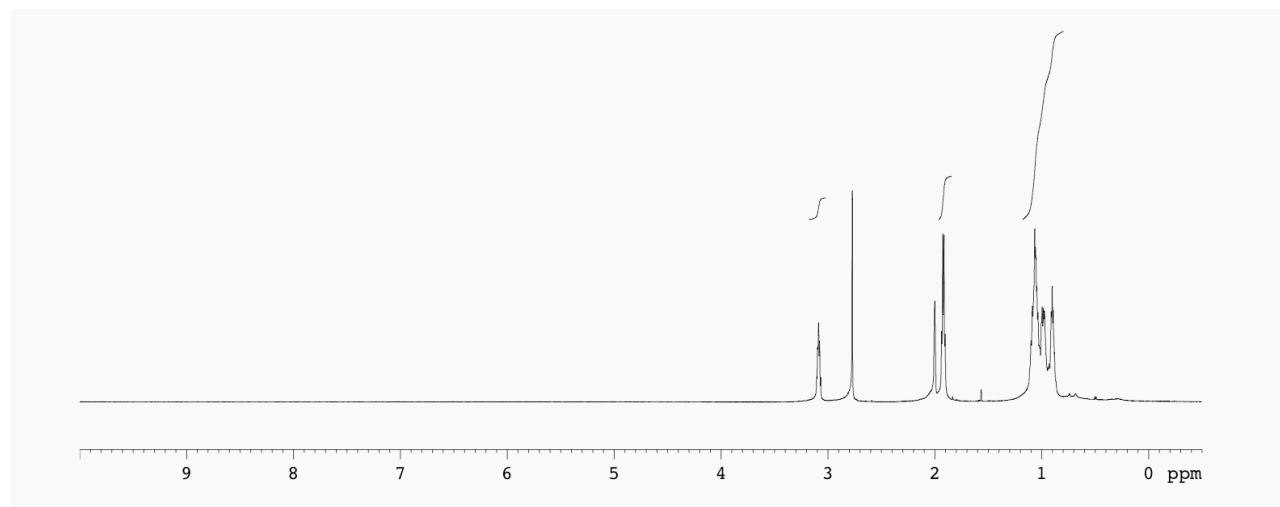
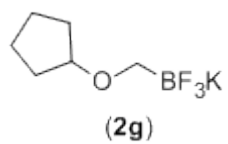
$^{13}\text{C}$  NMR (125.8 MHz,  $\text{DMSO-}d_6$ ) Spectrum of Potassium (Phenoxy)methyltrifluoroborate (**2f**)



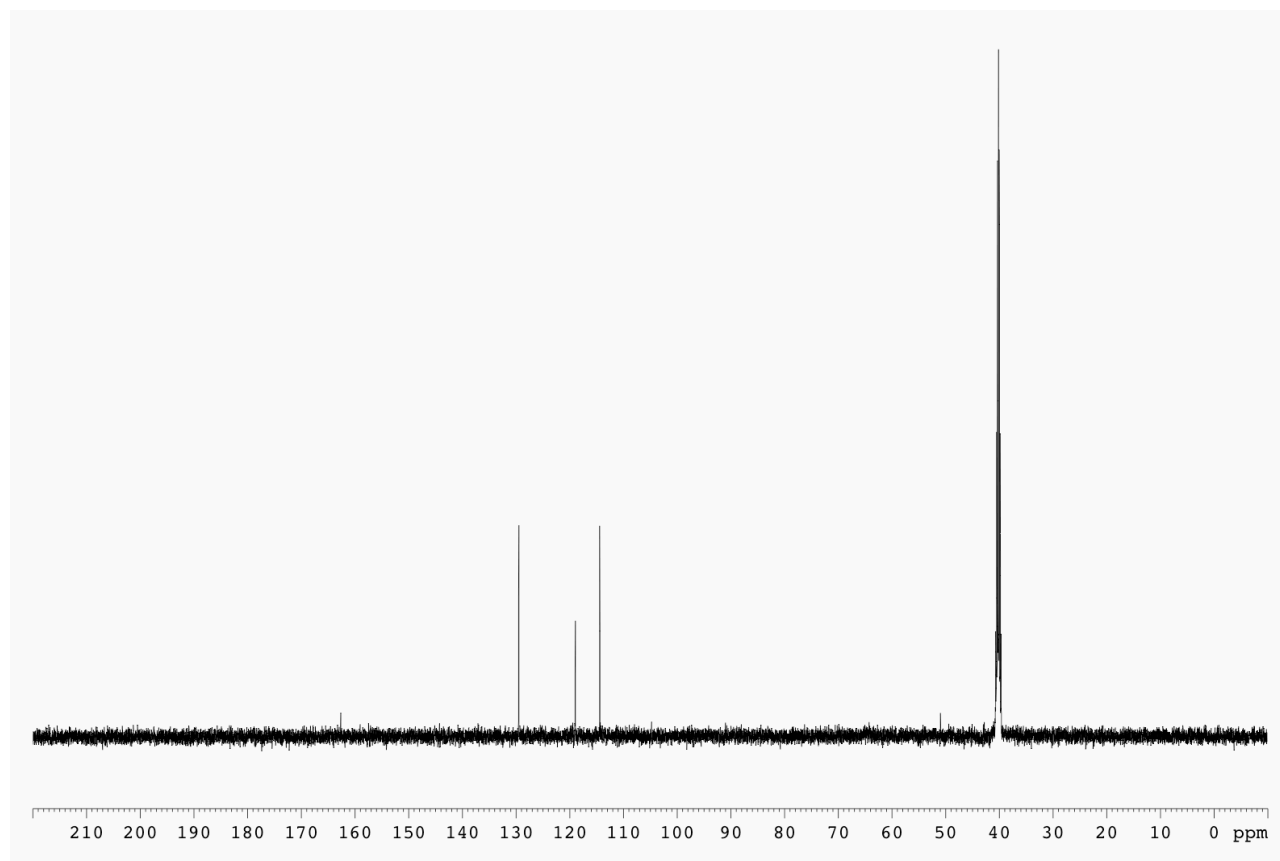
$^{19}\text{F}$  NMR (470.8 MHz,  $\text{DMSO-}d_6$ ) Spectrum of Potassium (Phenoxy)methyltrifluoroborate (**2f**)



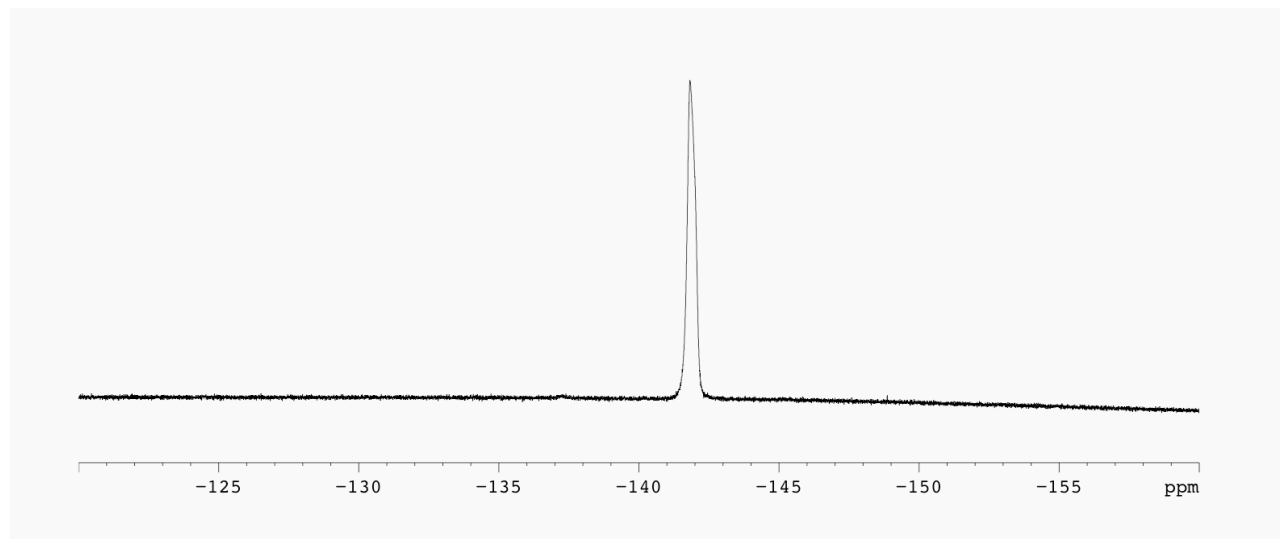
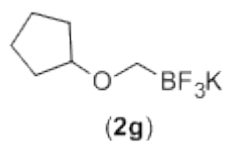
$^{11}\text{B}$  NMR (128.4 MHz, Acetonitrile) Spectrum of Potassium (Phenoxy)methyltrifluoroborate (**2f**)



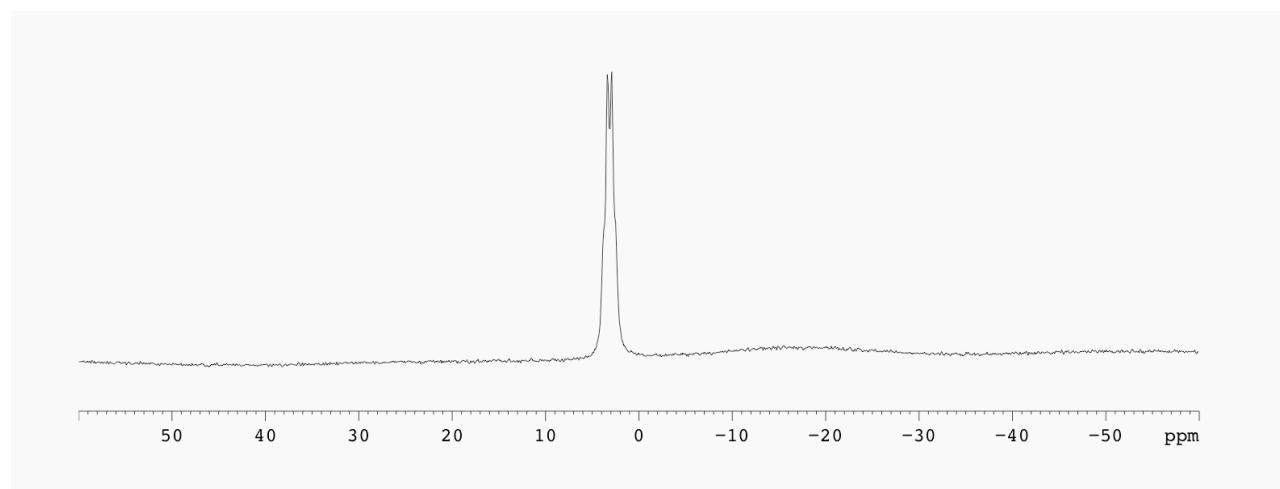
<sup>1</sup>H NMR (500 MHz, DMSO-*d*<sub>6</sub>) Spectrum of Potassium (Cyclopentyloxymethyl)trifluoroborate (**2g**)



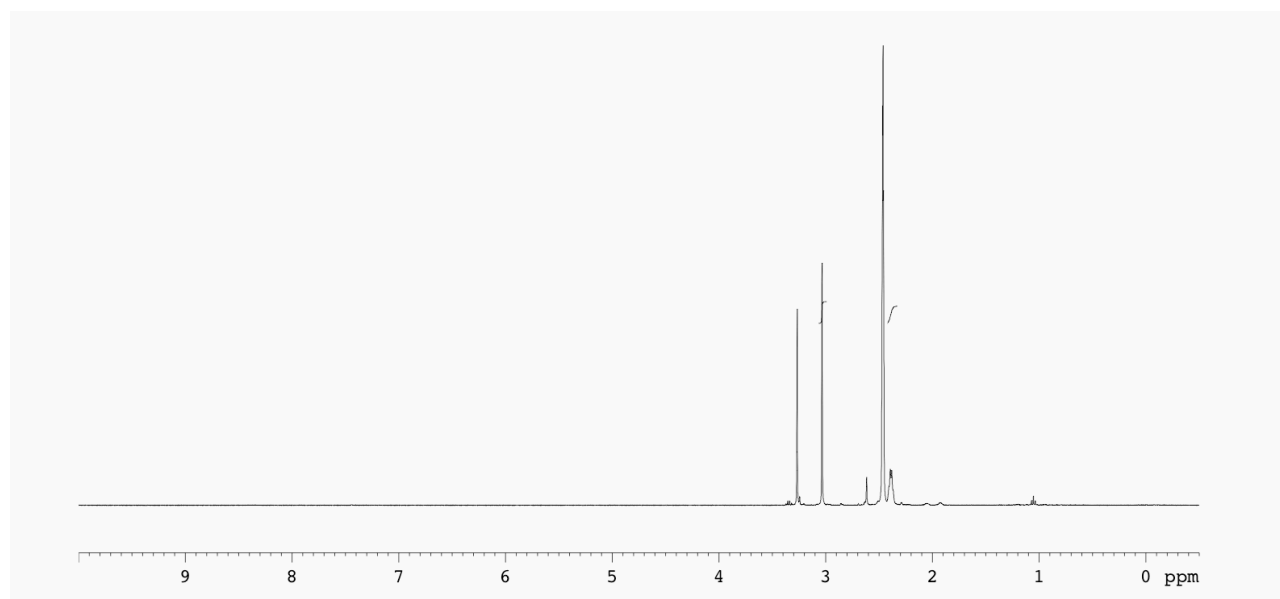
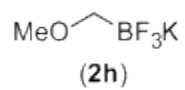
<sup>13</sup>C NMR (125.8 MHz, DMSO-*d*<sub>6</sub>) Spectrum of Potassium (Cyclopentyloxymethyl)trifluoroborate (**2g**)



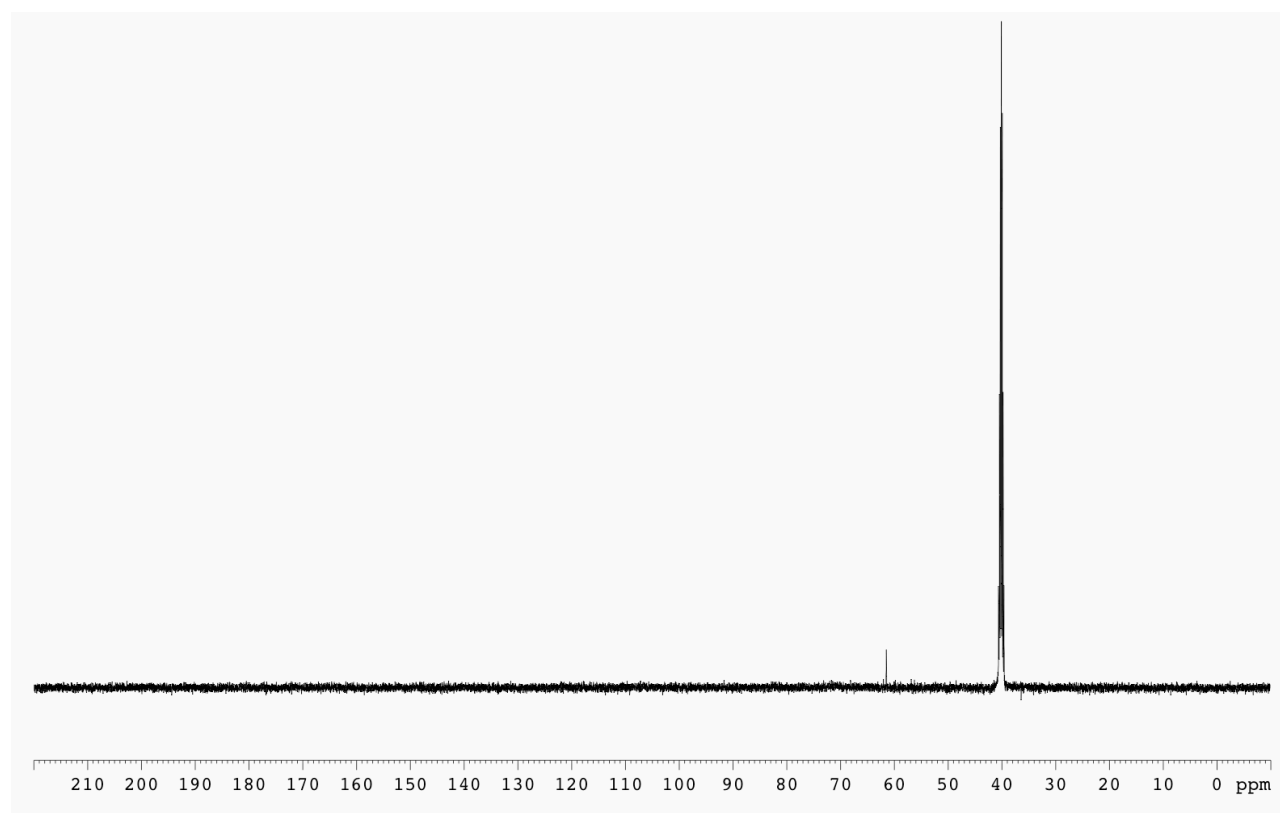
$^{19}\text{F}$  NMR (470.8 MHz,  $\text{DMSO-}d_6$ ) Spectrum of Potassium (Cyclopentyloxymethyl)trifluoroborate (**2g**)



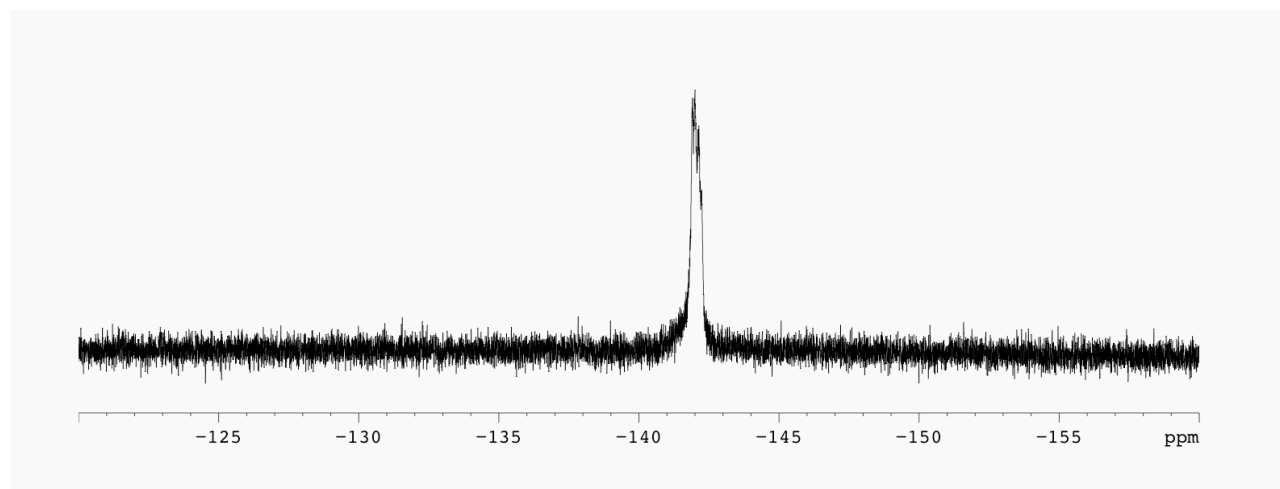
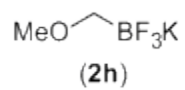
$^{11}\text{B}$  NMR (128.4 MHz,  $\text{DMSO-}d_6$ ) Spectrum of Potassium (Cyclopentyloxymethyl)trifluoroborate (**2g**)



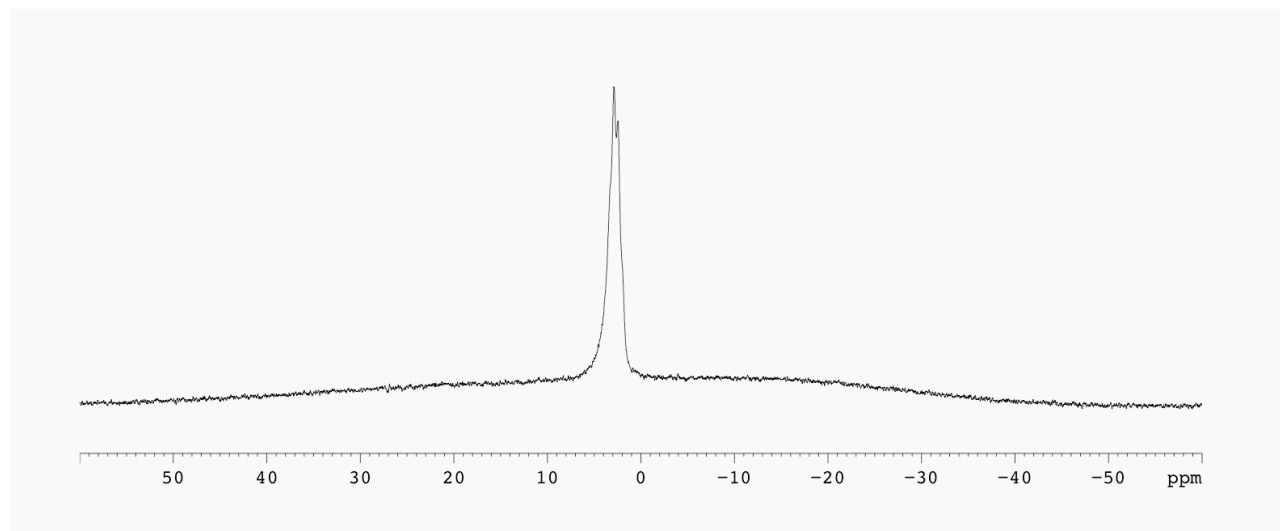
<sup>1</sup>H NMR (500 MHz, DMSO-*d*<sub>6</sub>) Spectrum of Potassium (Methoxymethyl)trifluoroborate (**2h**)



<sup>13</sup>C NMR (125.8 MHz, DMSO-*d*<sub>6</sub>) Spectrum of Potassium (Methoxymethyl)trifluoroborate (**2h**)

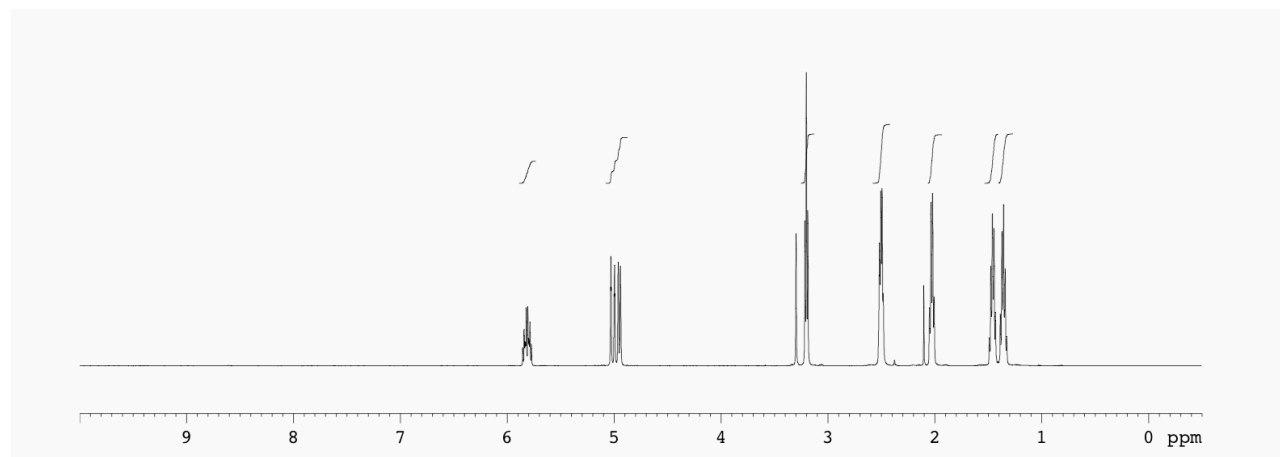
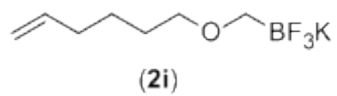


<sup>19</sup>F NMR (470.8 MHz, DMSO-*d*<sub>6</sub>) Spectrum of Potassium (Methoxymethyl)trifluoroborate (**2h**)

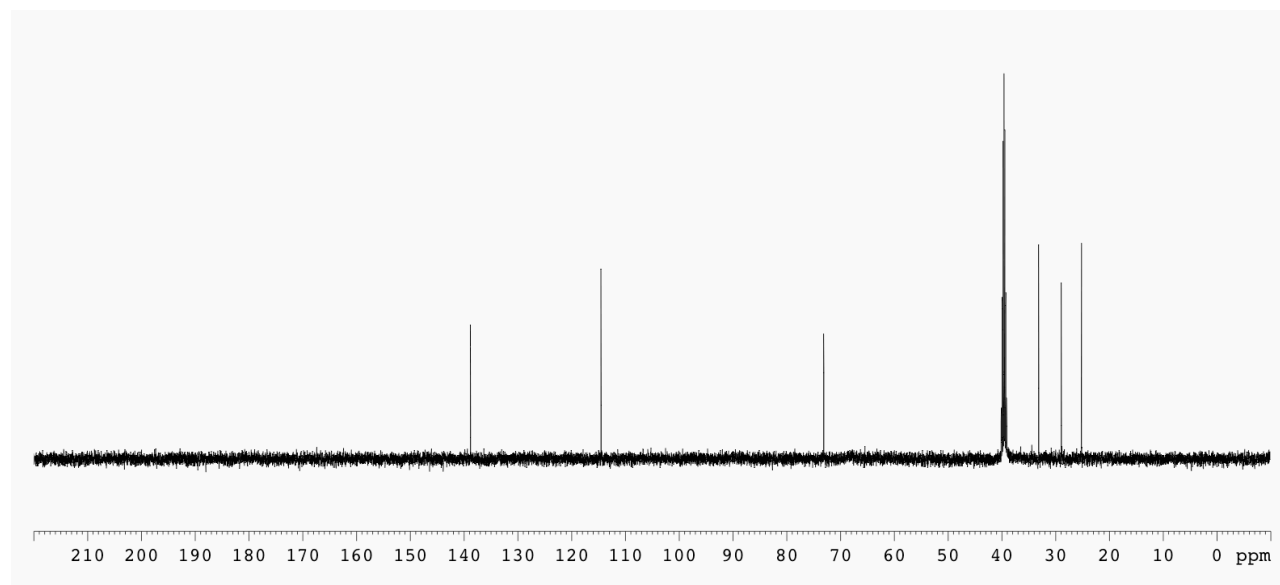


<sup>11</sup>B NMR (128.4 MHz, DMSO-*d*<sub>6</sub>) Spectrum of Potassium (Methoxymethyl)trifluoroborate (**2h**)

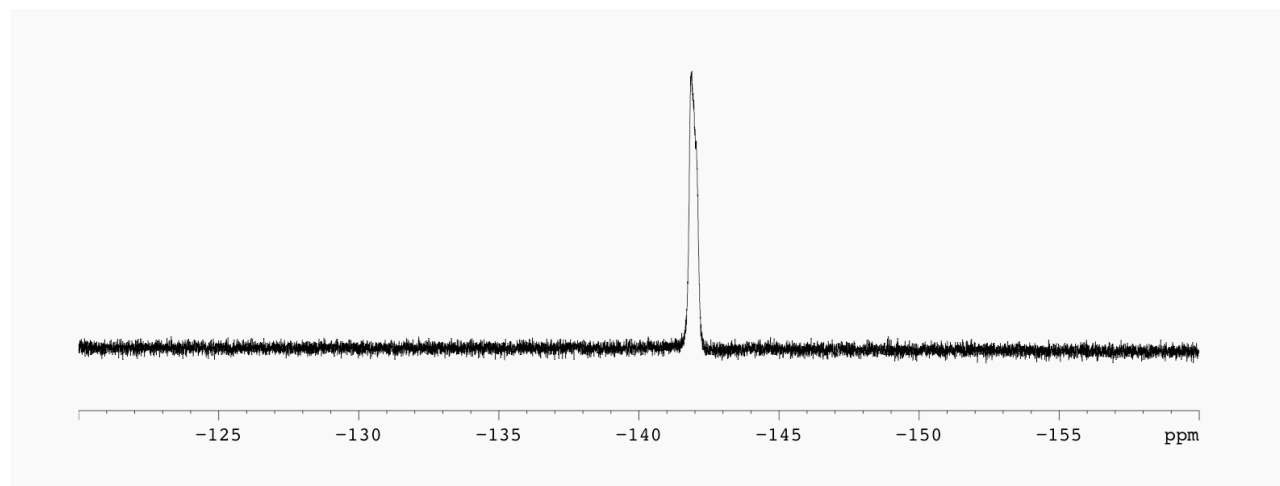
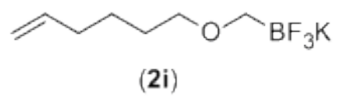




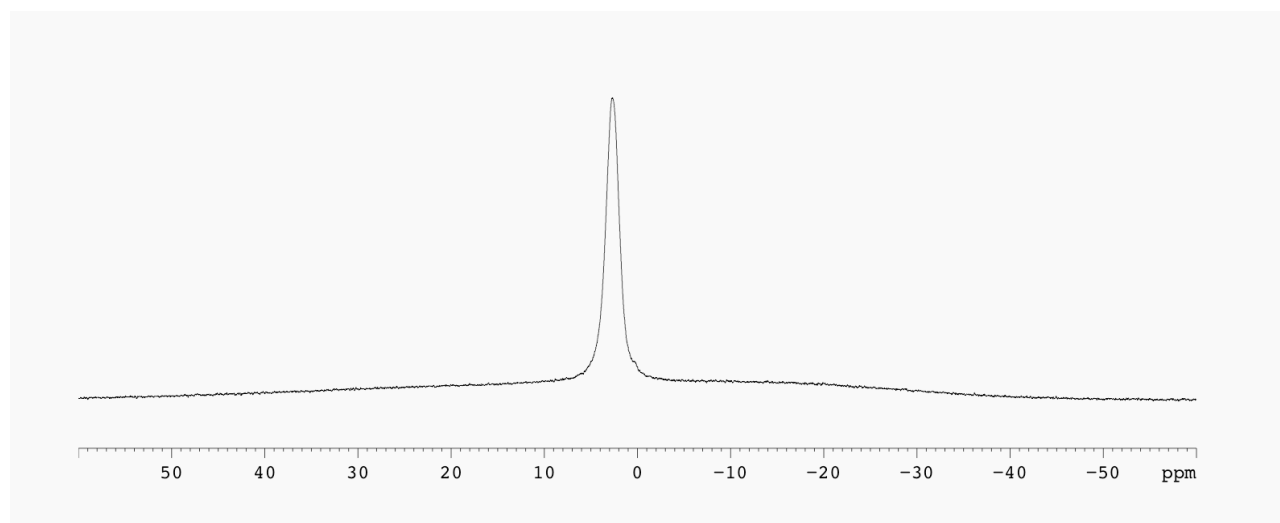
$^{19}\text{F}$  NMR (500 MHz,  $\text{DMSO-}d_6$ ) Spectrum of Potassium (Hex-5-enyloxy)methyltrifluoroborate (**2i**)



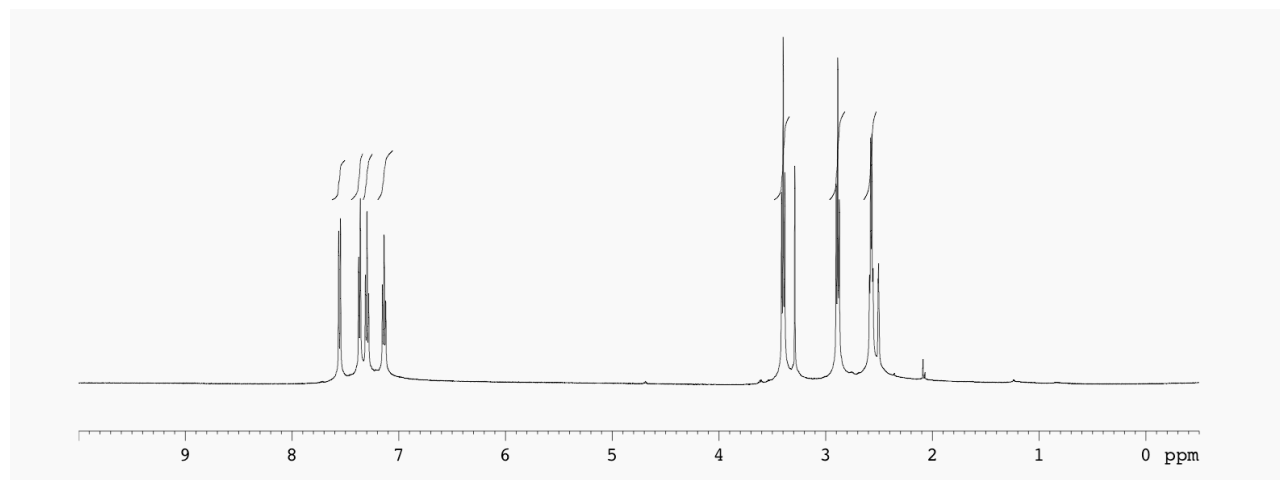
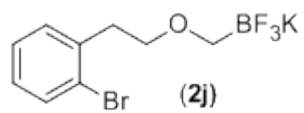
$^{13}\text{C}$  NMR (125.8 MHz,  $\text{DMSO-}d_6$ ) Spectrum of Potassium (Hex-5-enyloxy)methyltrifluoroborate (**2i**)



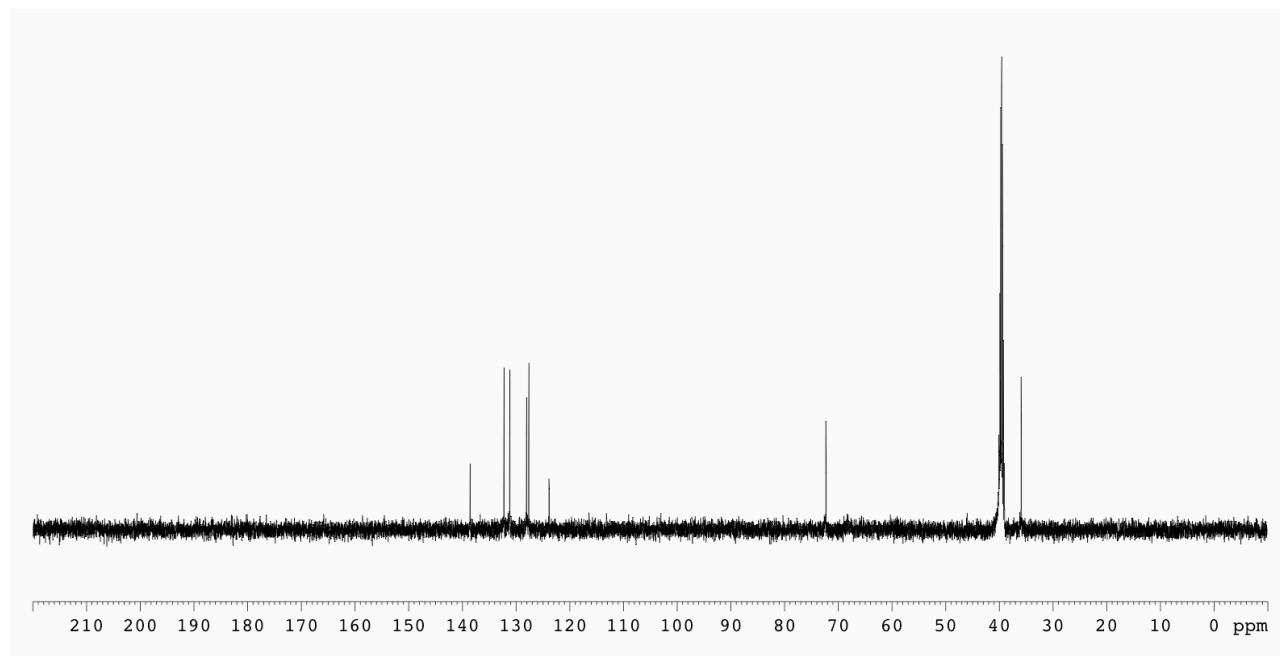
$^{19}\text{F}$  NMR (470.8 MHz,  $\text{DMSO-}d_6$ ) Spectrum of Potassium (Hex-5-enyloxy)methyltrifluoroborate (**2i**)



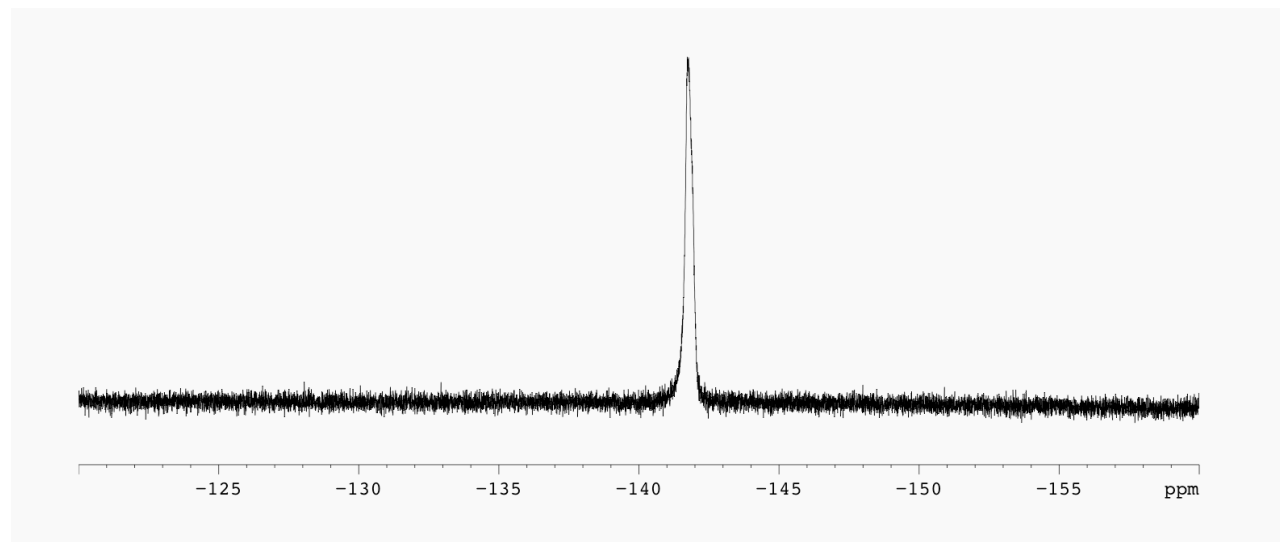
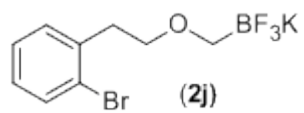
$^{11}\text{B}$  NMR (128.4 MHz,  $\text{DMSO-}d_6$ ) Spectrum of Potassium (Hex-5-enyloxy)methyltrifluoroborate (**2i**)



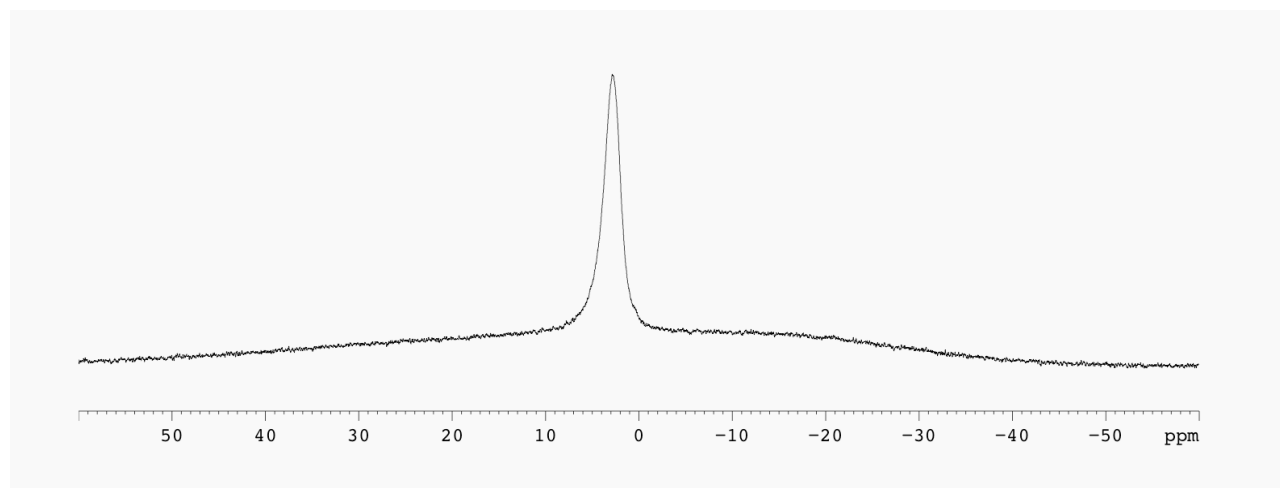
$^1\text{H}$  NMR (500 MHz,  $\text{DMSO-}d_6$ ) Spectrum of Potassium (2-Bromophenoxy)methyltrifluoroborate (2j)



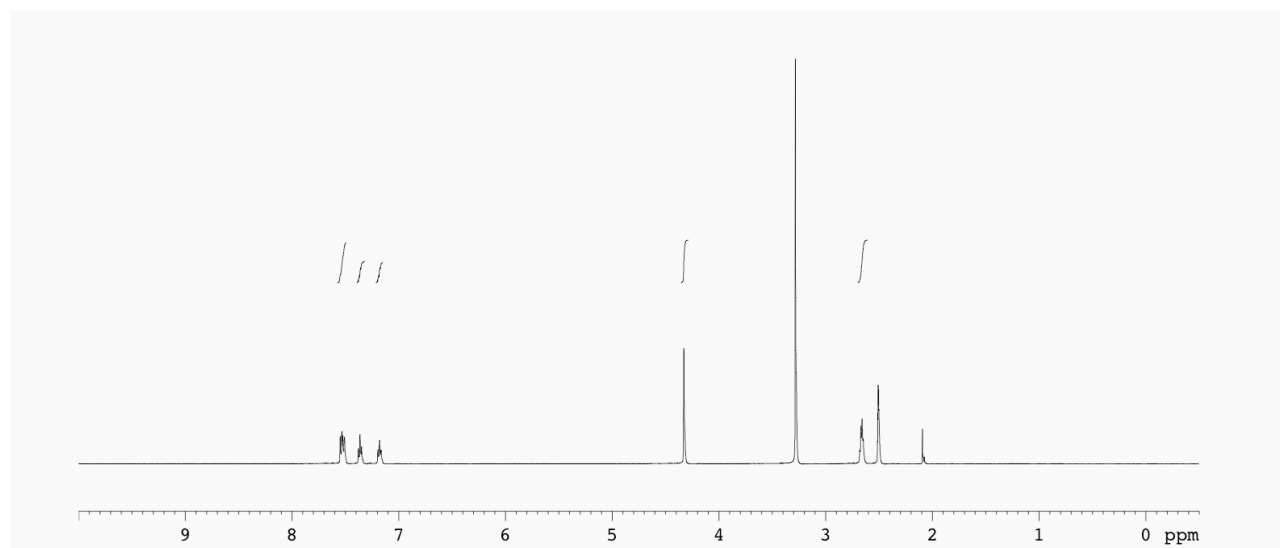
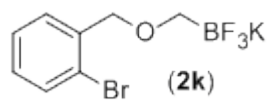
$^{13}\text{C}$  NMR (125.8 MHz,  $\text{DMSO-}d_6$ ) Spectrum of Potassium (2-Bromophenoxy)methyltrifluoroborate (2j)



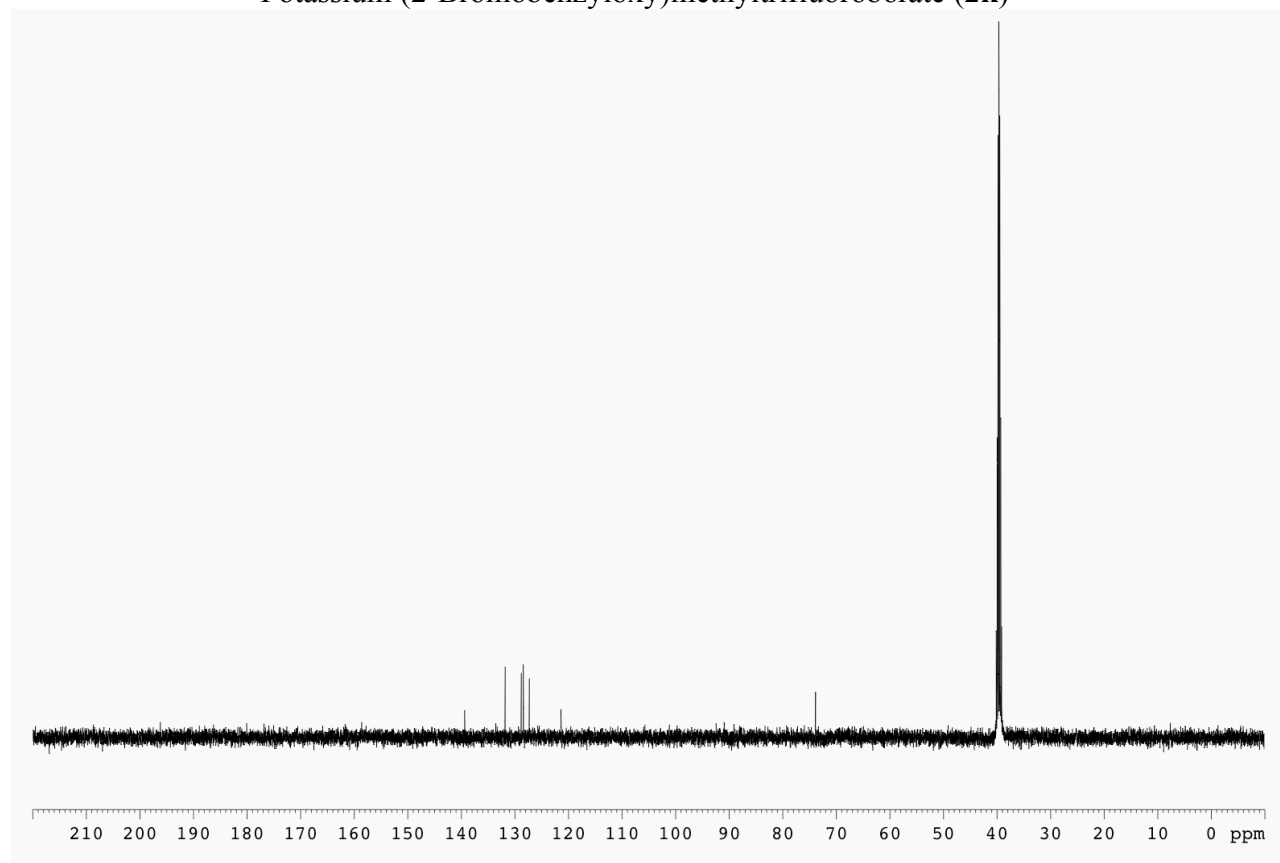
$^{19}\text{F}$  NMR (470.8 MHz,  $\text{DMSO-}d_6$ ) Spectrum of Potassium (2-Bromophenoxy)methyltrifluoroborate (2j)



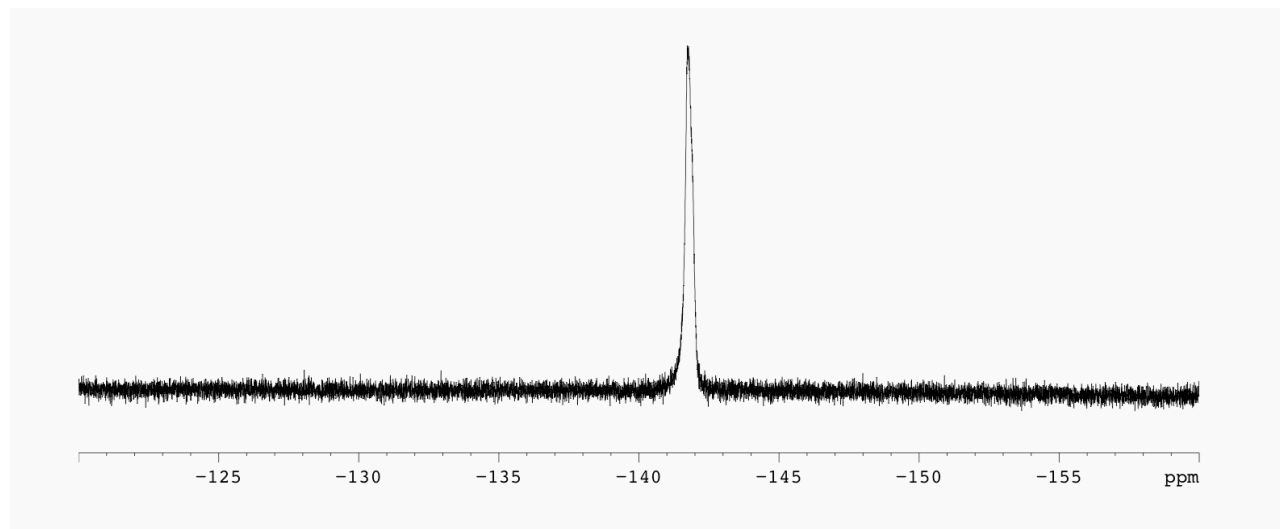
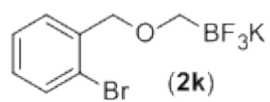
$^{11}\text{B}$  NMR (128.4 MHz,  $\text{DMSO-}d_6$ ) Spectrum of Potassium (2-Bromophenoxy)methyltrifluoroborate (2j)



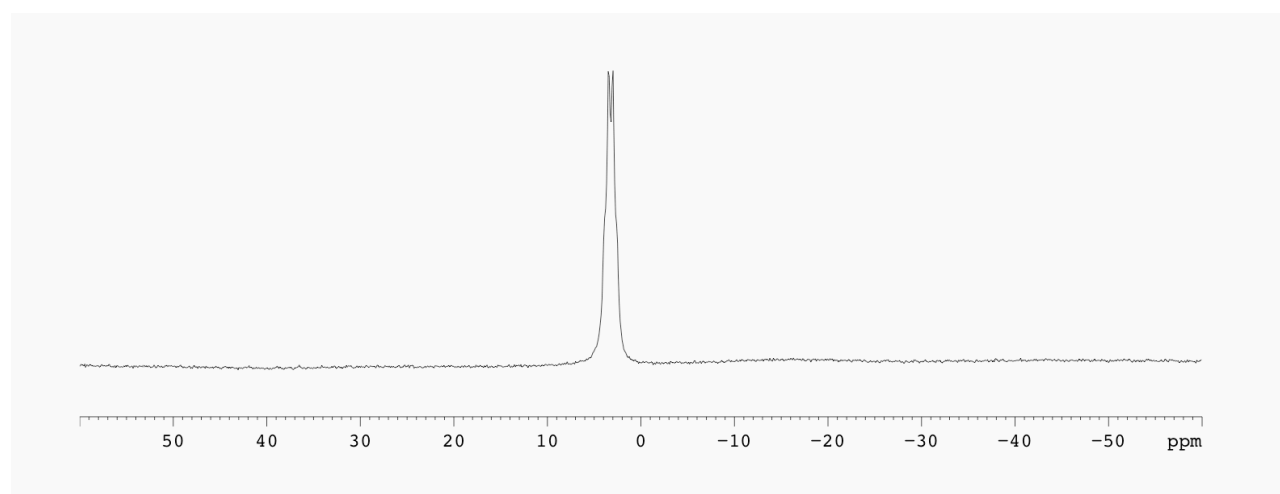
<sup>1</sup>H NMR (500 MHz, DMSO-*d*<sub>6</sub>) Spectrum of Potassium (2-Bromobenzoyloxy)methyltrifluoroborate (2k)



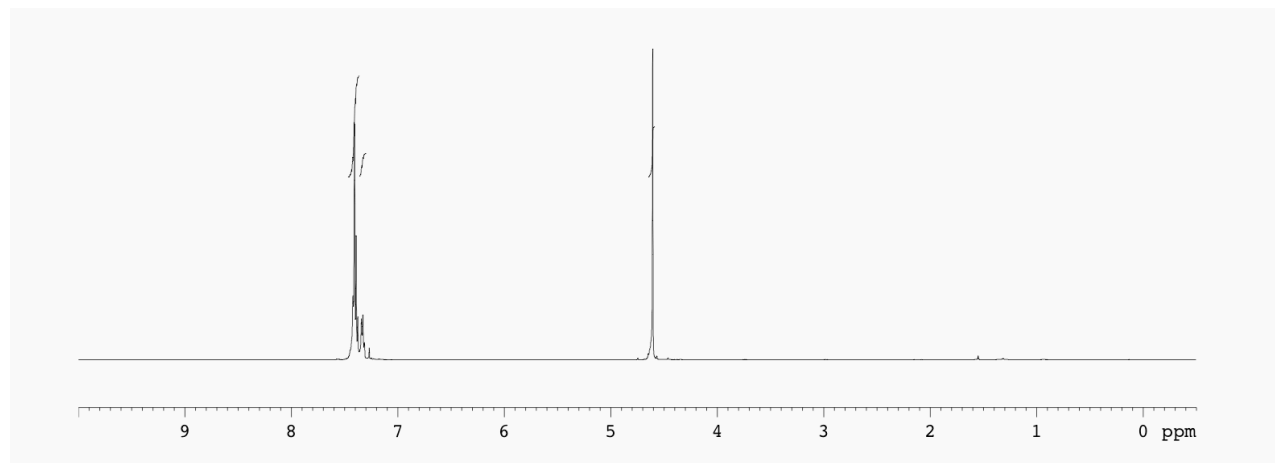
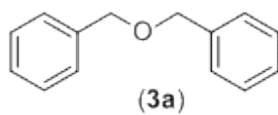
<sup>13</sup>C NMR (125.8 MHz, DMSO-*d*<sub>6</sub>) Spectrum of Potassium (2-Bromobenzoyloxy)methyltrifluoroborate (2k)



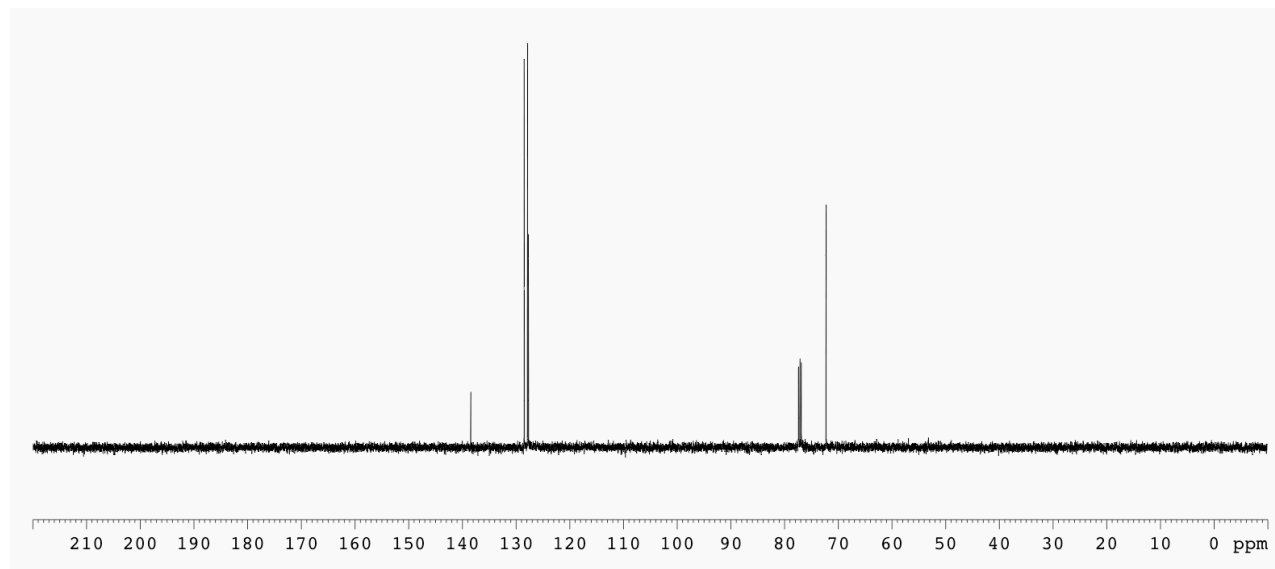
$^{19}\text{F}$  NMR (470.8 MHz,  $\text{DMSO-}d_6$ ) Spectrum of Potassium (2-Bromobenzyloxy)methyltrifluoroborate (2k)



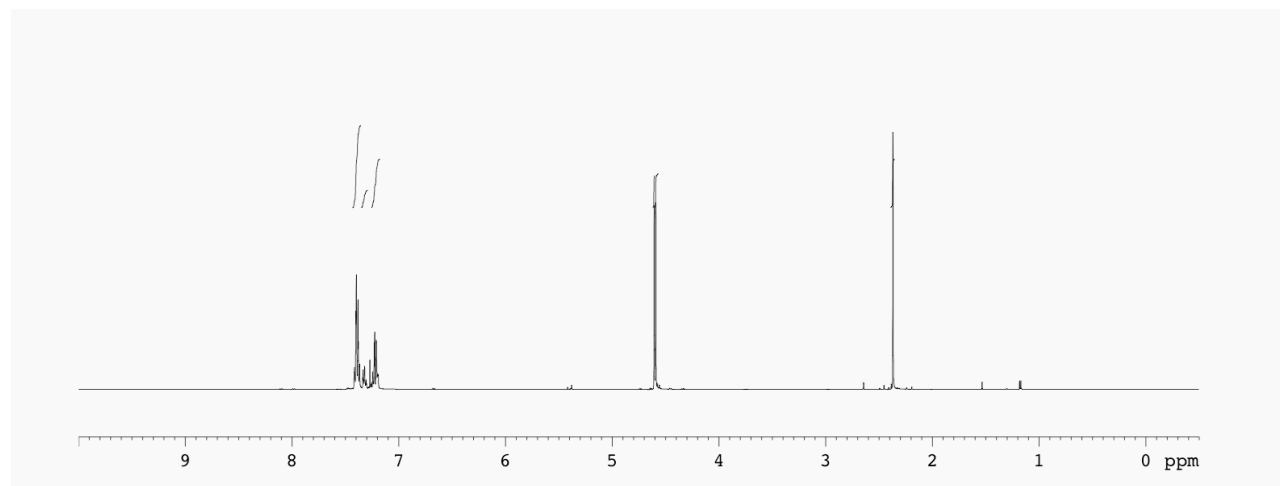
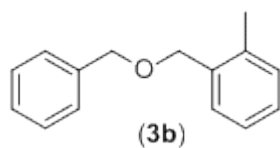
$^{11}\text{B}$  NMR (128.4 MHz,  $\text{DMSO-}d_6$ ) Spectrum of Potassium (2-Bromobenzyloxy)methyltrifluoroborate (2k)



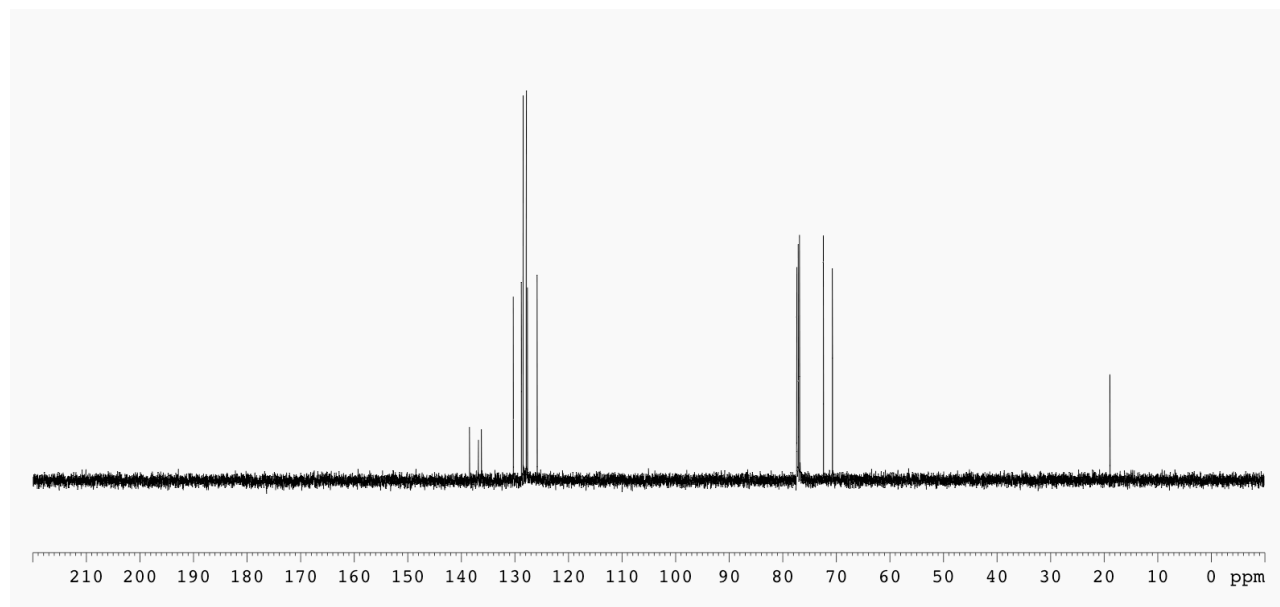
<sup>1</sup>H NMR (500 MHz, CDCl<sub>3</sub>) Spectrum of  
Oxybis(methylene)dibenzene (**3a**)



<sup>13</sup>C NMR (125.8 MHz, CDCl<sub>3</sub>) Spectrum of  
Oxybis(methylene)dibenzene (**3a**)

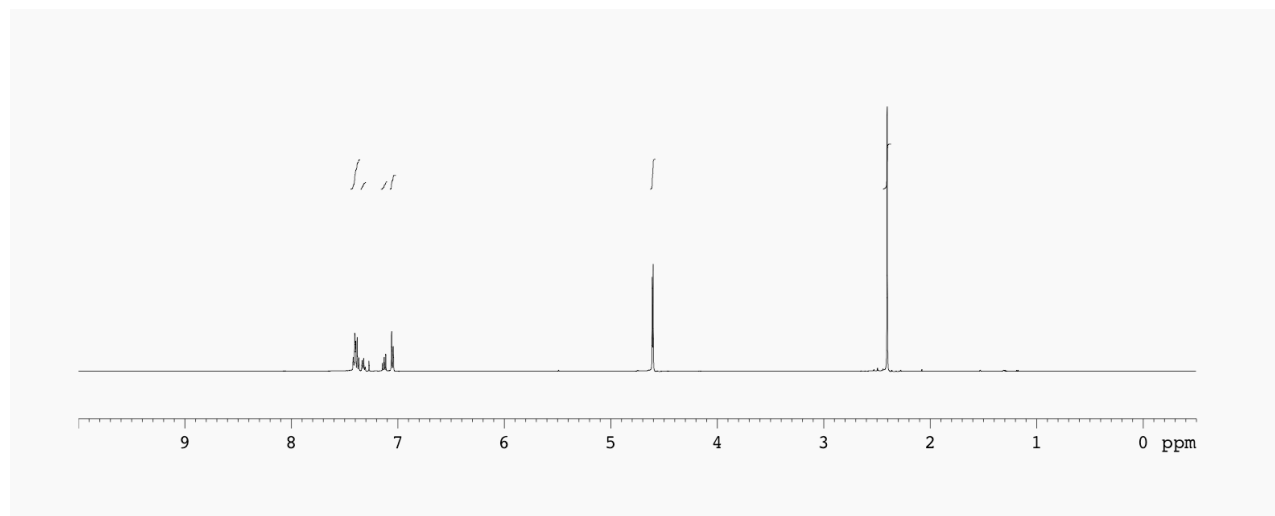
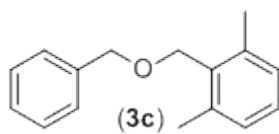


<sup>1</sup>H NMR (500 MHz, CDCl<sub>3</sub>) Spectrum of 1-(Benzyloxymethyl)-2-methylbenzene (**3b**)

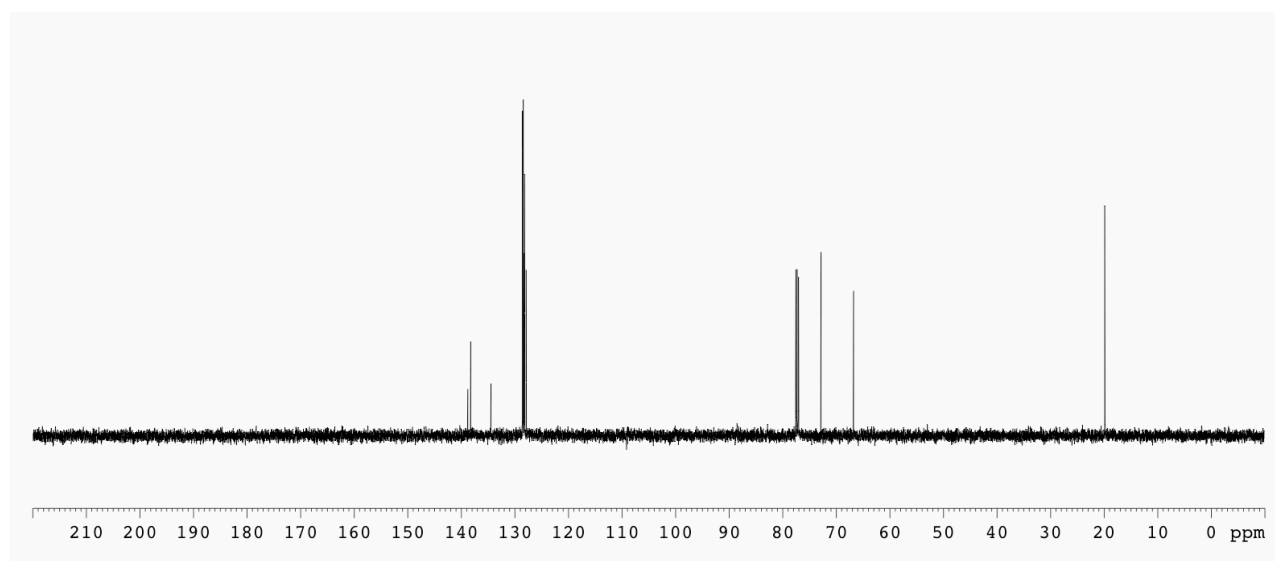


<sup>13</sup>C NMR (125.8 MHz, CDCl<sub>3</sub>) Spectrum of 1-(Benzyloxymethyl)-2-methylbenzene (**3b**)

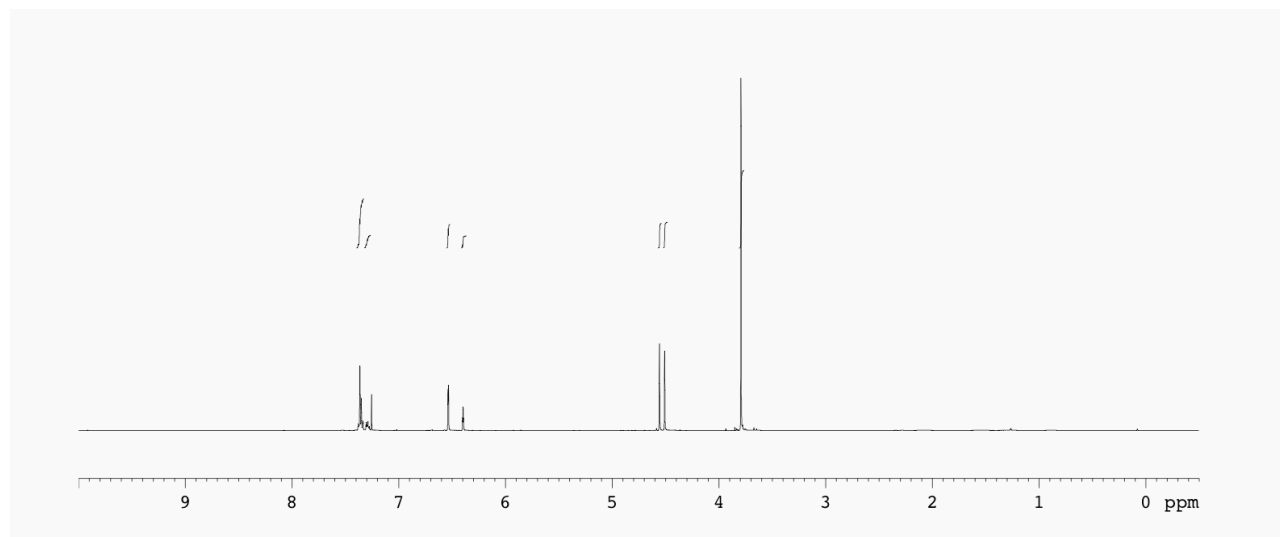
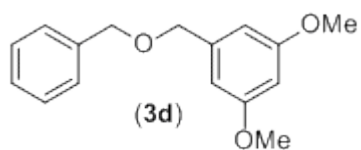




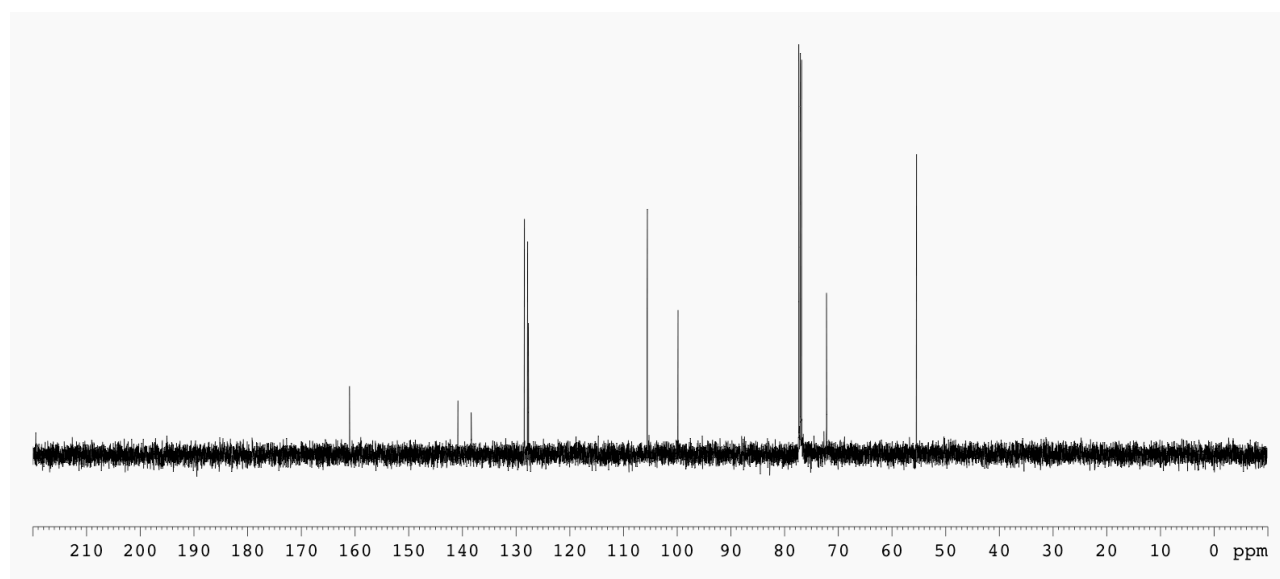
$^1\text{H}$  NMR (500 MHz,  $\text{CDCl}_3$ ) Spectrum of  
2-(Benzyloxymethyl)-1,3-dimethylbenzene (**3c**)



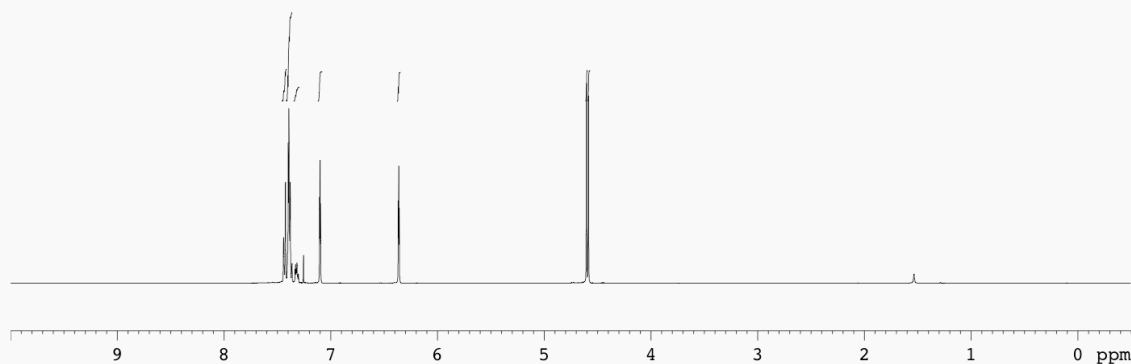
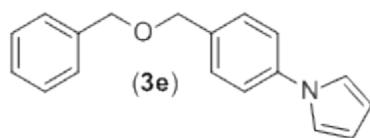
$^{13}\text{C}$  NMR (125.8 MHz,  $\text{CDCl}_3$ ) Spectrum of  
2-(Benzyloxymethyl)-1,3-dimethylbenzene (**3c**)



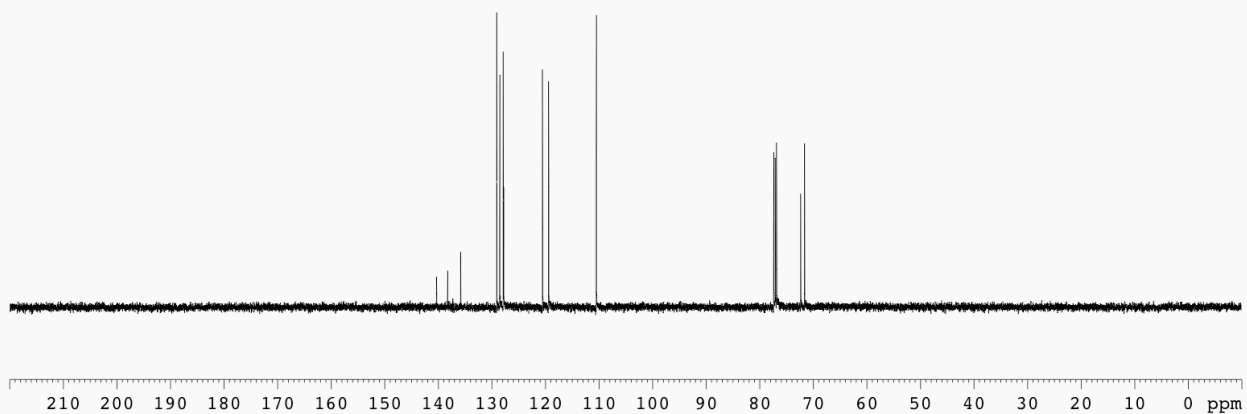
<sup>1</sup>H NMR (500 MHz, CDCl<sub>3</sub>) Spectrum of  
1-(Benzyloxymethyl)-3,5-dimethoxybenzene (**3d**)



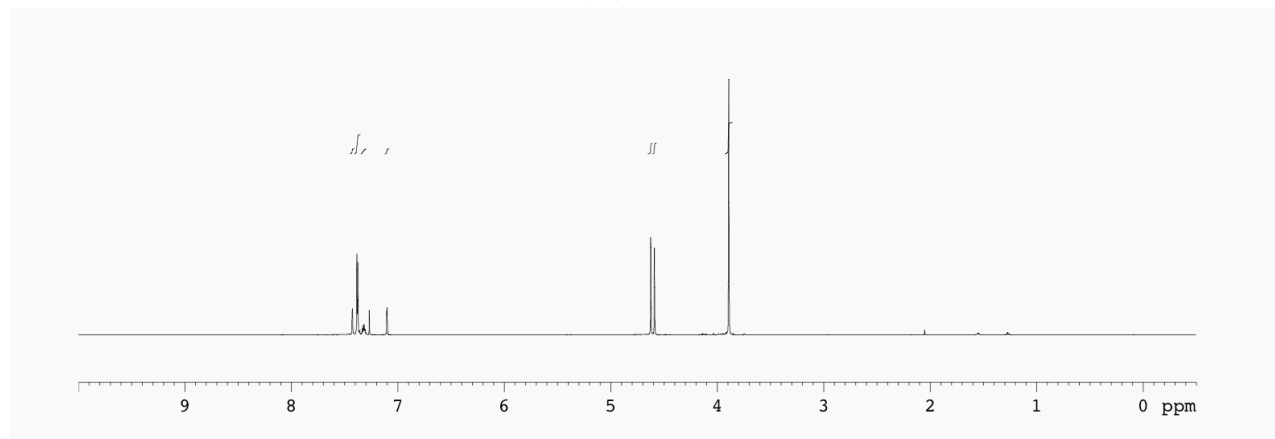
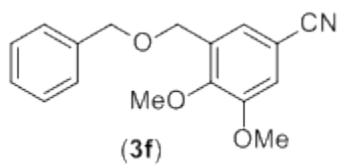
<sup>13</sup>C NMR (125.8 MHz, CDCl<sub>3</sub>) Spectrum of  
1-(Benzyloxymethyl)-3,5-dimethoxybenzene (**3d**)



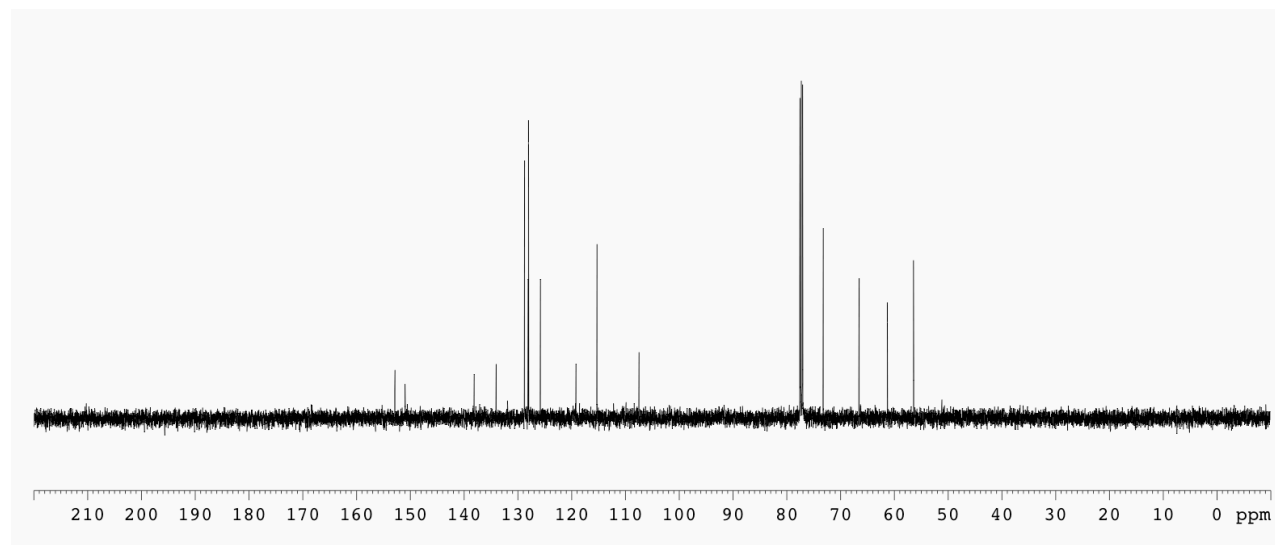
$^1\text{H}$  NMR (500 MHz,  $\text{CDCl}_3$ ) Spectrum of  
1-(4-(Benzyloxymethyl)phenyl)-1*H*-pyrrole (**3e**)



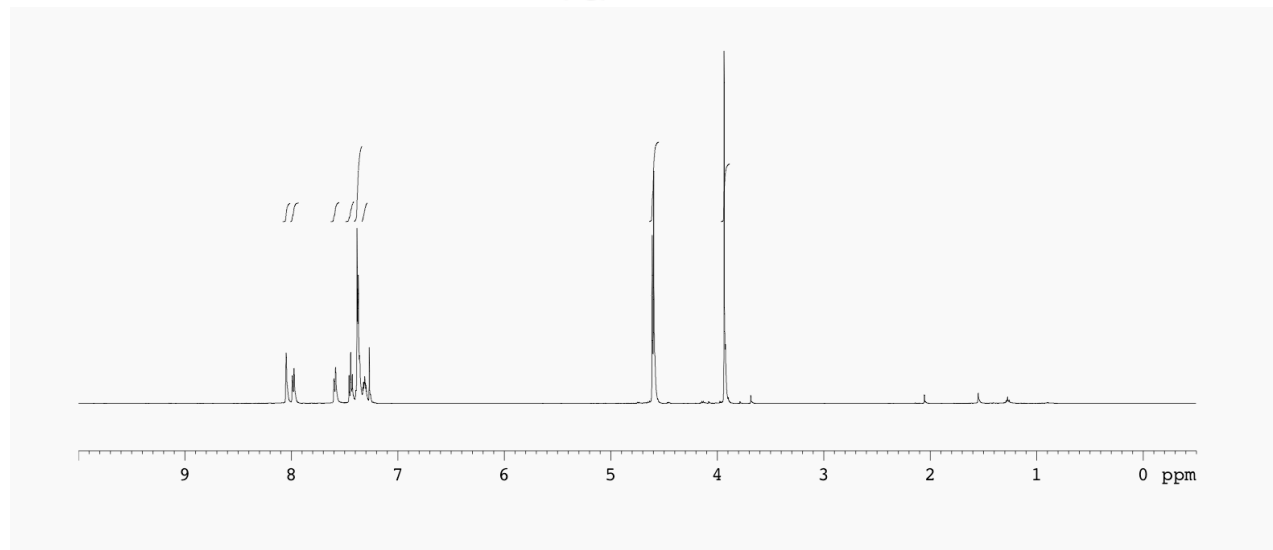
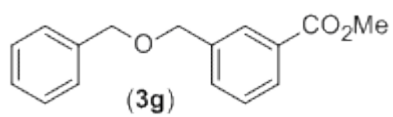
$^{13}\text{C}$  NMR (125.8 MHz,  $\text{CDCl}_3$ ) Spectrum of  
1-(4-(Benzyloxymethyl)phenyl)-1*H*-pyrrole (**3e**)



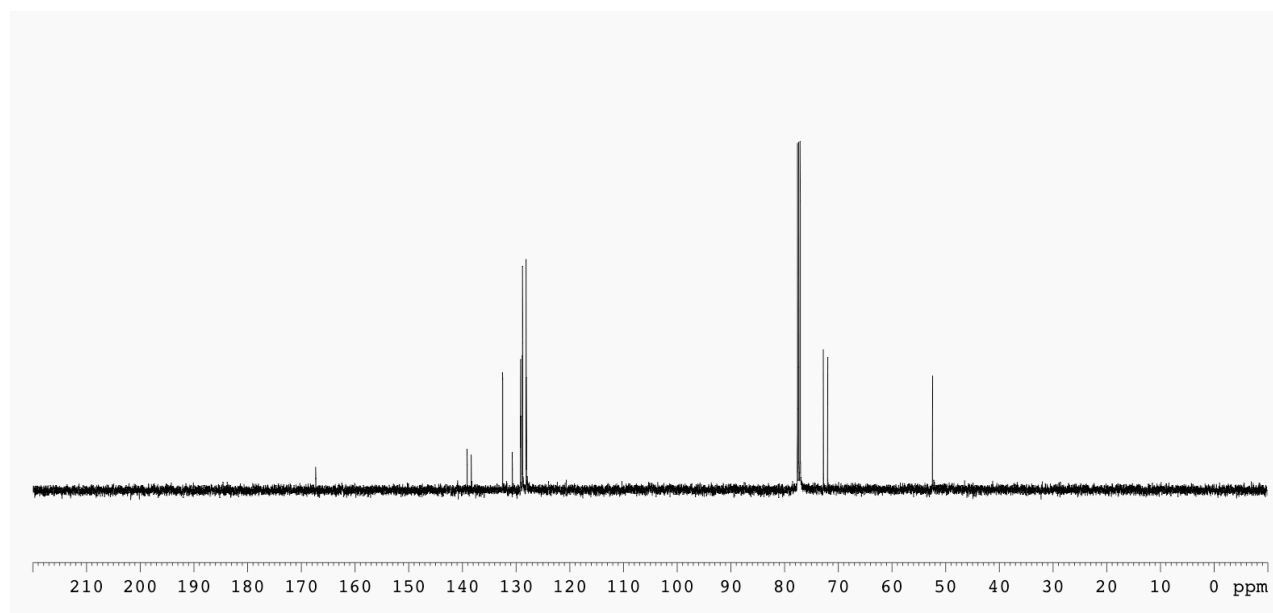
<sup>1</sup>H NMR (500 MHz, CDCl<sub>3</sub>) Spectrum of  
3-(Benzyloxymethyl)-4,5-dimethoxybenzonitrile (3f)



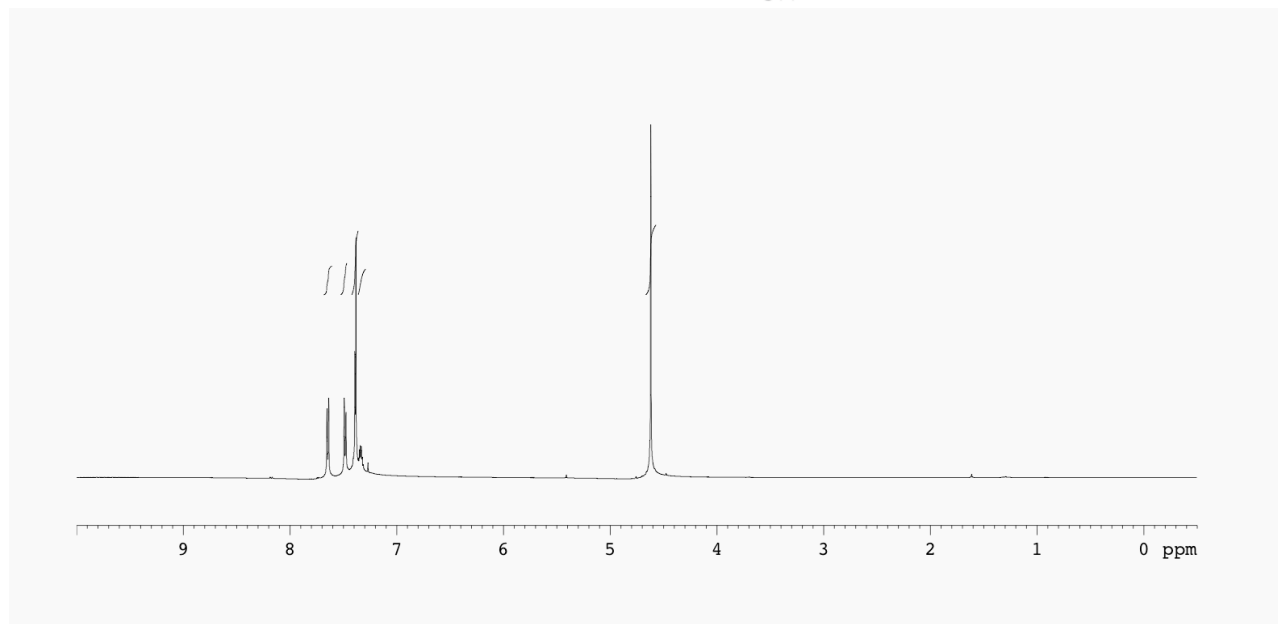
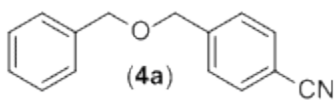
<sup>13</sup>C NMR (125.8 MHz, CDCl<sub>3</sub>) Spectrum of  
3-(Benzyloxymethyl)-4,5-dimethoxybenzonitrile (3f)



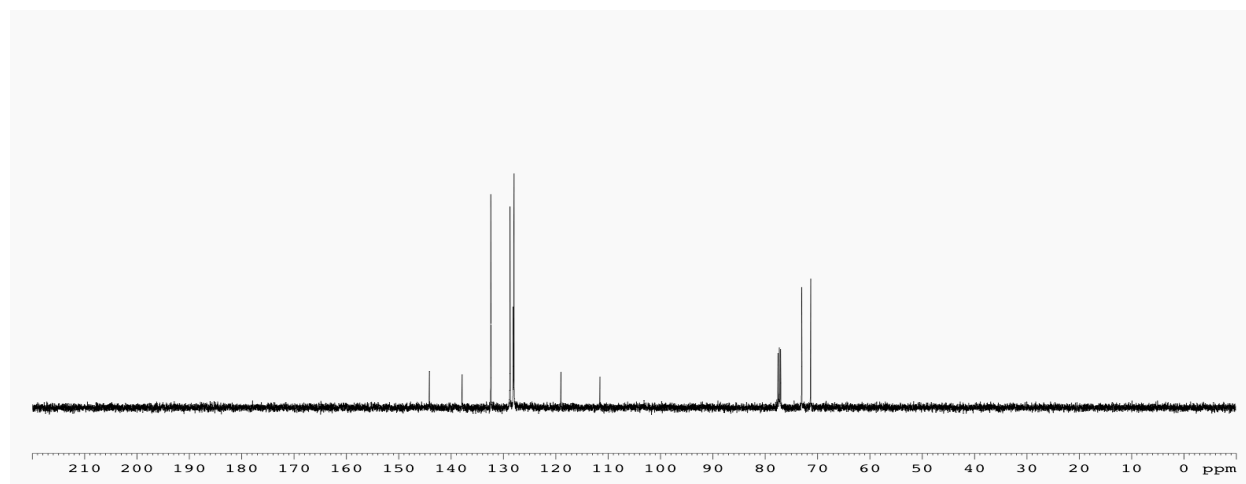
<sup>1</sup>H NMR (500 MHz, CDCl<sub>3</sub>) Spectrum of Methyl 3-(benzyloxymethyl)benzoate (**3g**)



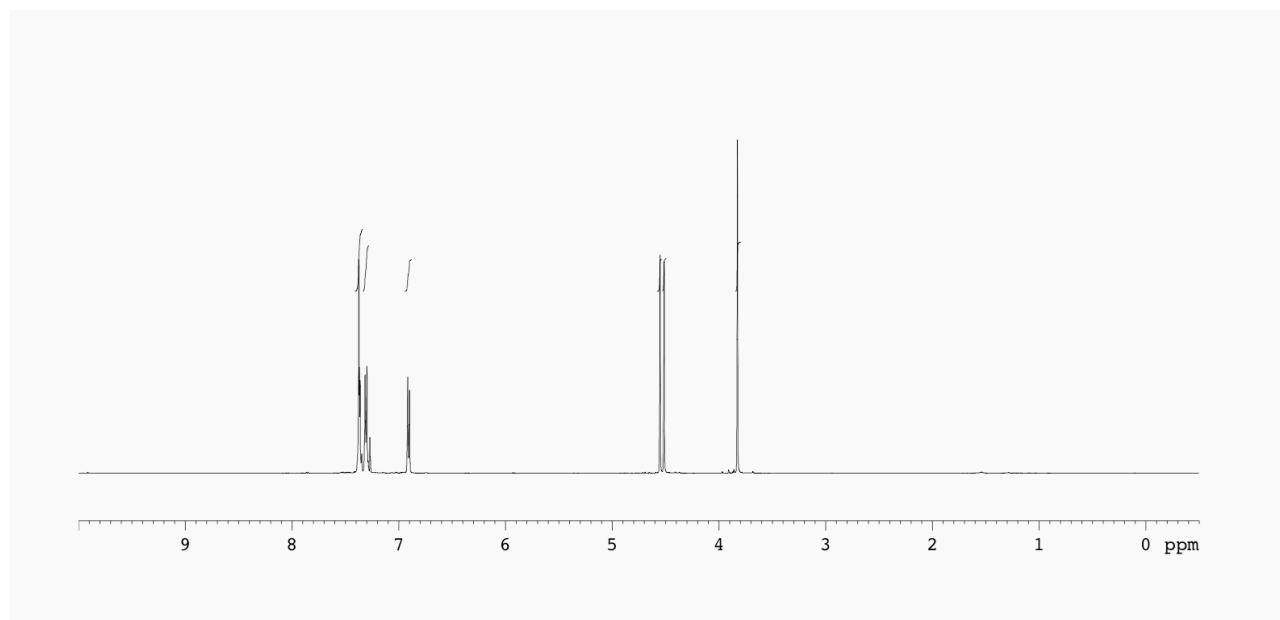
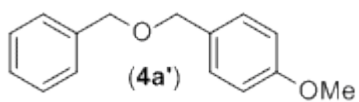
<sup>13</sup>C NMR (125.8 MHz, CDCl<sub>3</sub>) Spectrum of Methyl 3-(benzyloxymethyl)benzoate (**3g**)



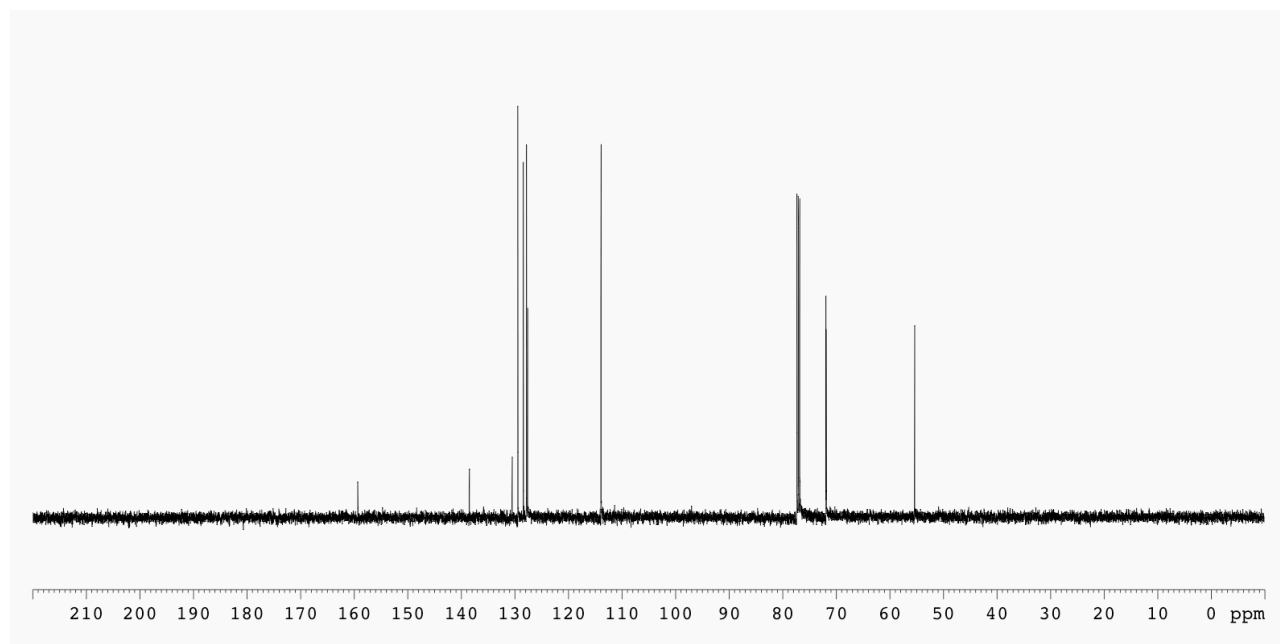
$^1\text{H}$  NMR (500 MHz,  $\text{CDCl}_3$ ) Spectrum of 4-((4-Methoxybenzyloxy)methyl)benzonitrile (**4a**)



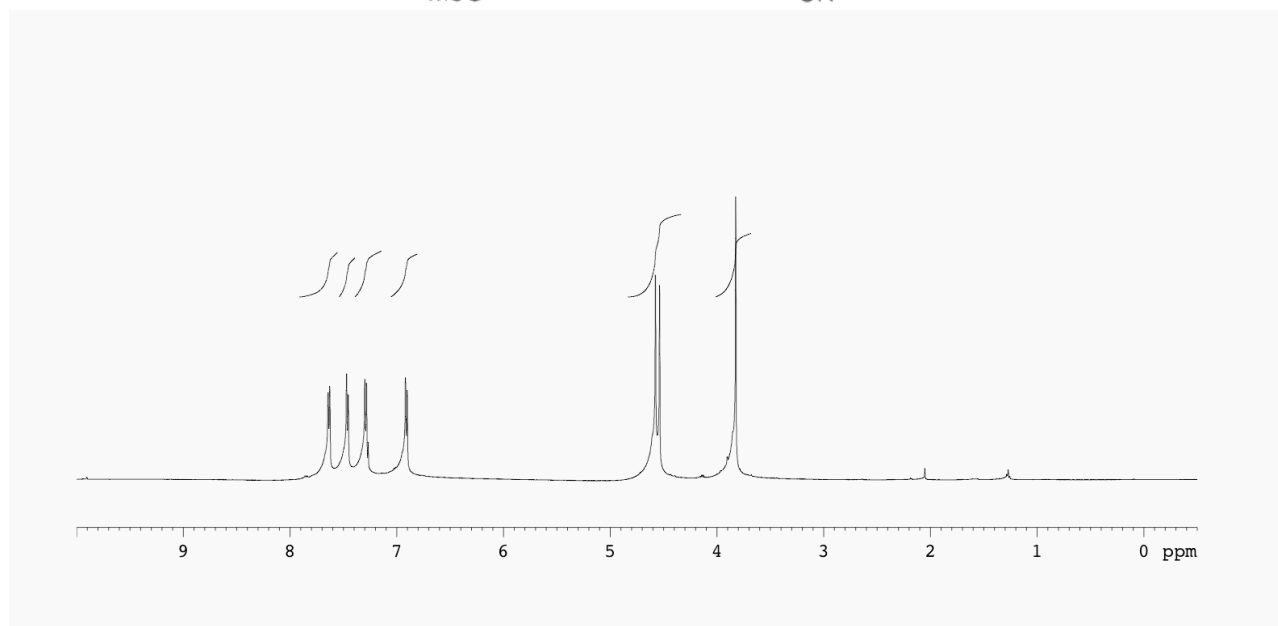
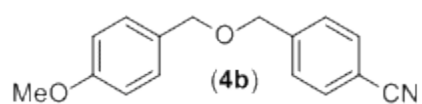
$^{13}\text{C}$  NMR (125.8 MHz,  $\text{CDCl}_3$ ) Spectrum of 4-((4-Methoxybenzyloxy)methyl)benzonitrile (**4a**)



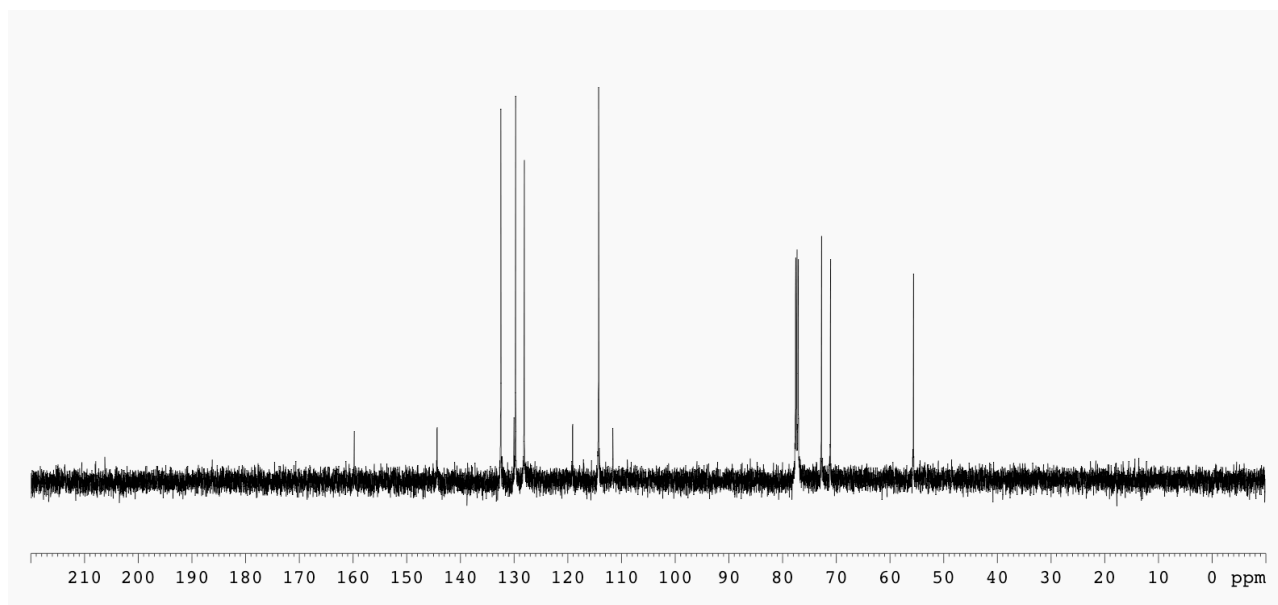
<sup>1</sup>H NMR (500 MHz, CDCl<sub>3</sub>) Spectrum of 4-((4-Methoxybenzyloxy)methyl)benzonitrile (**4a'**)



<sup>13</sup>C NMR (125.8 MHz, CDCl<sub>3</sub>) Spectrum of 4-((4-Methoxybenzyloxy)methyl)benzonitrile (**4a'**)

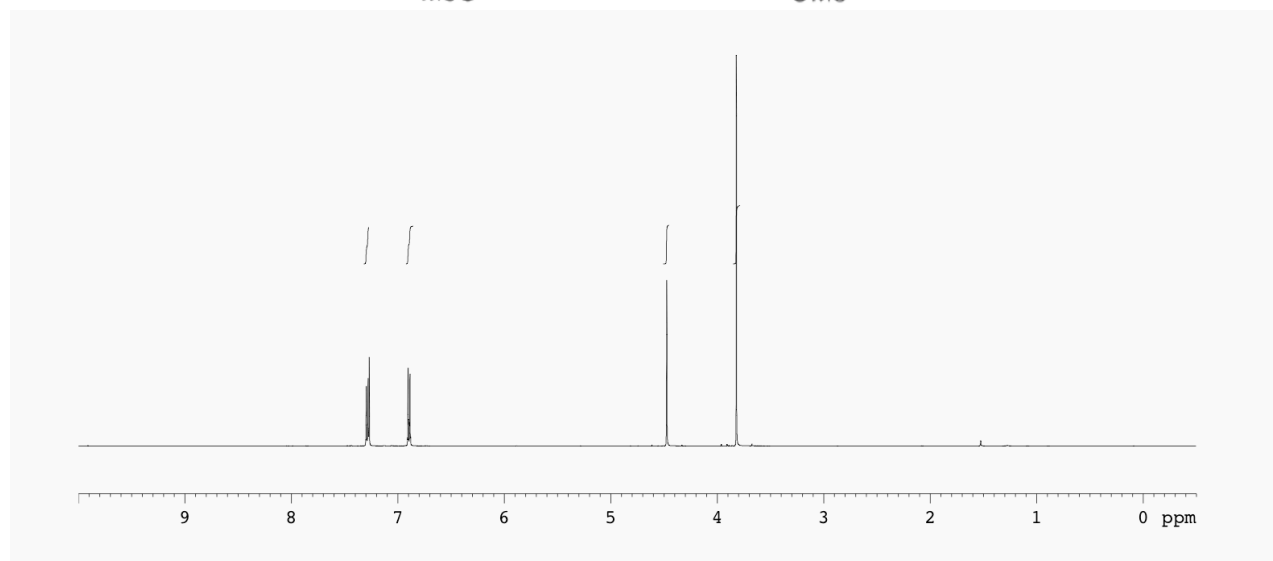
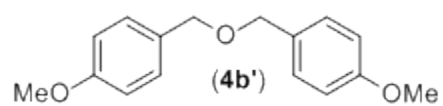


$^1\text{H}$  NMR (500 MHz,  $\text{CDCl}_3$ ) Spectrum of 4-((4-Methoxybenzyloxy)methyl)benzonitrile (**4b**)

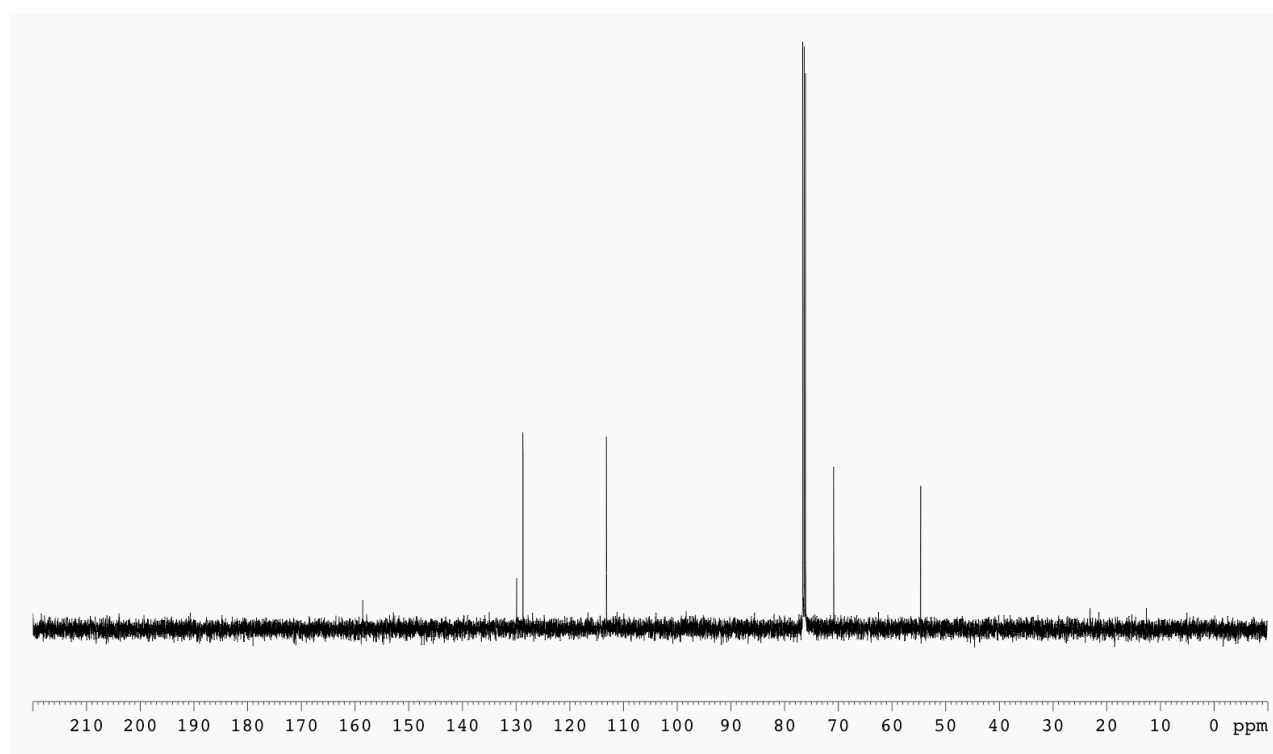


$^{13}\text{C}$  NMR (125.8 MHz,  $\text{CDCl}_3$ ) Spectrum of 4-((4-Methoxybenzyloxy)methyl)benzonitrile (**4b**)

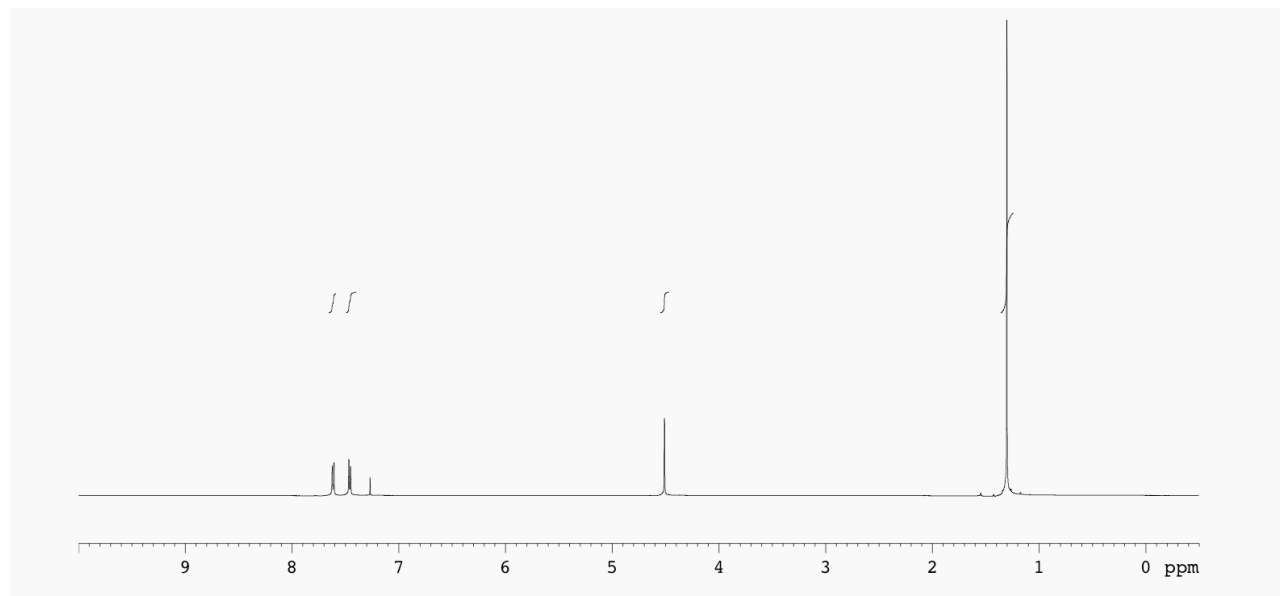
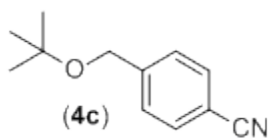




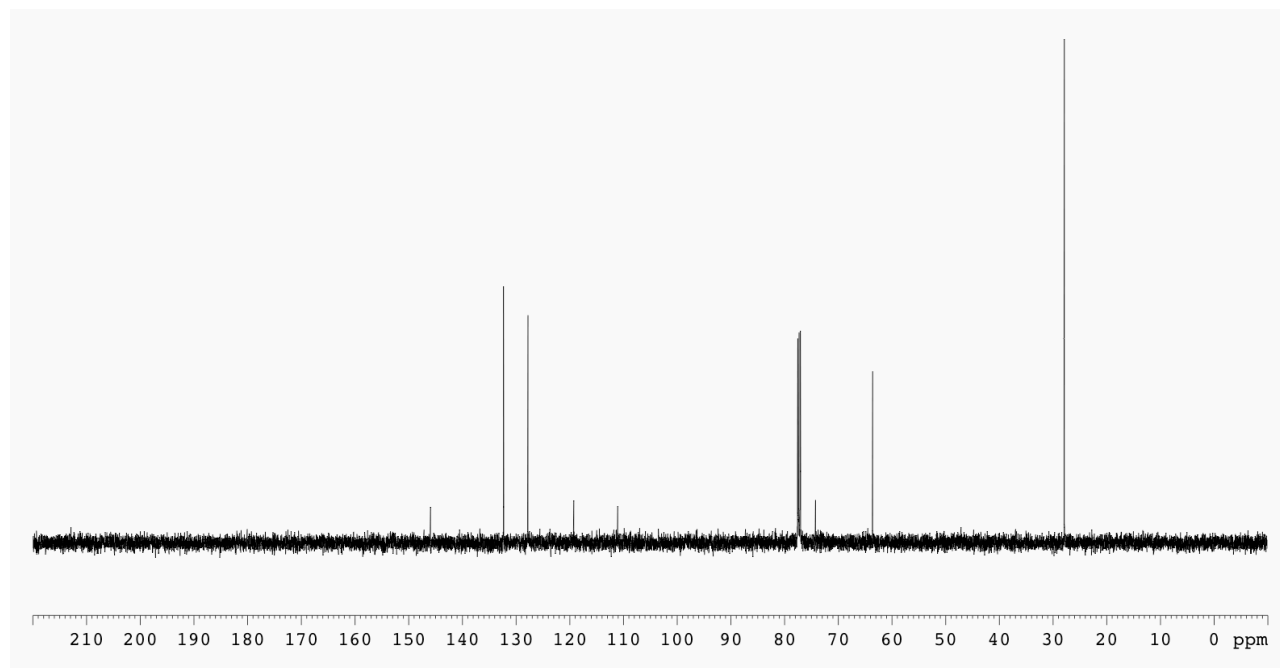
<sup>1</sup>H NMR (500 MHz, CDCl<sub>3</sub>) Spectrum of  
4,4'-Oxybis(methylene)bis(methoxybenzene) (4b')



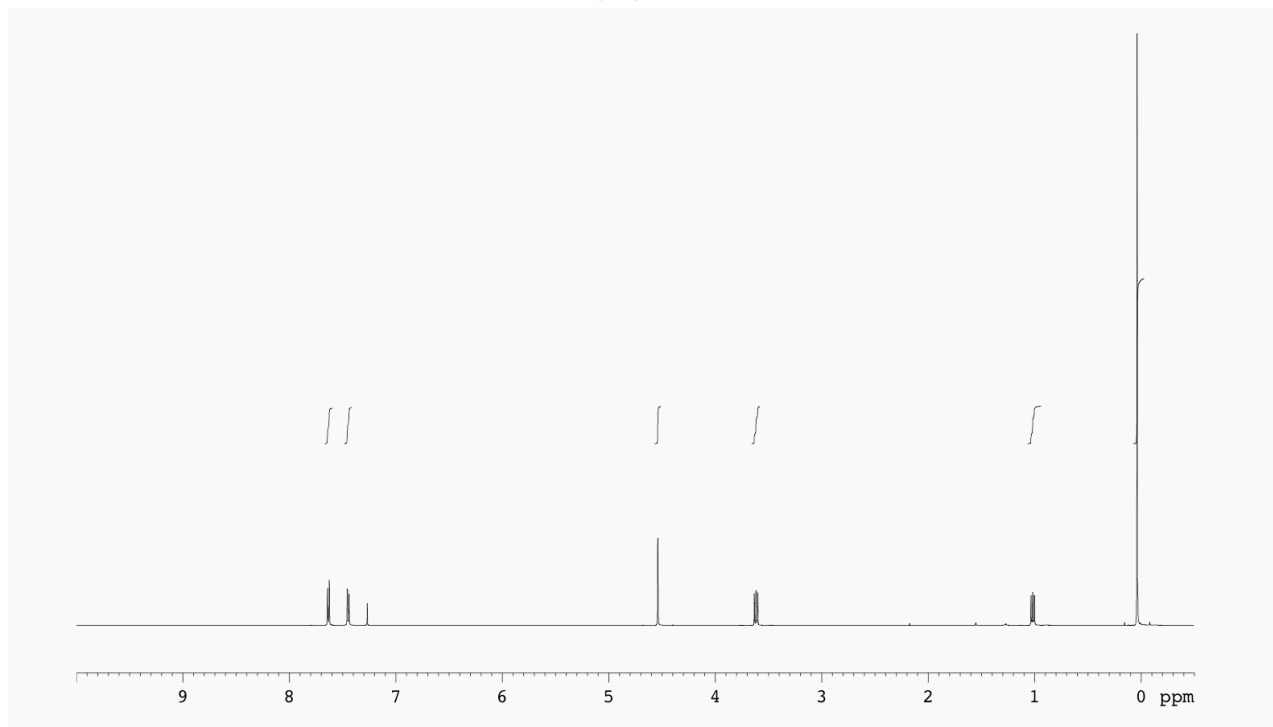
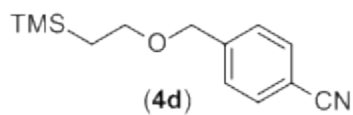
<sup>13</sup>C NMR (125.8 MHz, CDCl<sub>3</sub>) Spectrum of  
4,4'-Oxybis(methylene)bis(methoxybenzene) (4b')



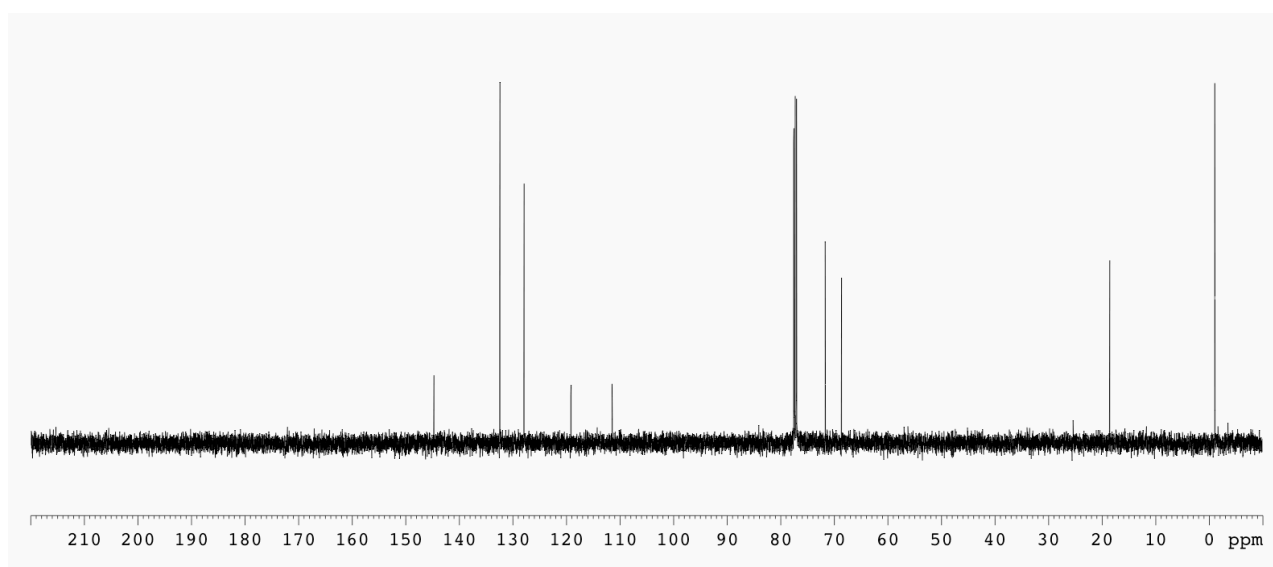
<sup>1</sup>H NMR (500 MHz, CDCl<sub>3</sub>) Spectrum of  
4-(*tert*-Butoxymethyl)benzonitrile (4c)



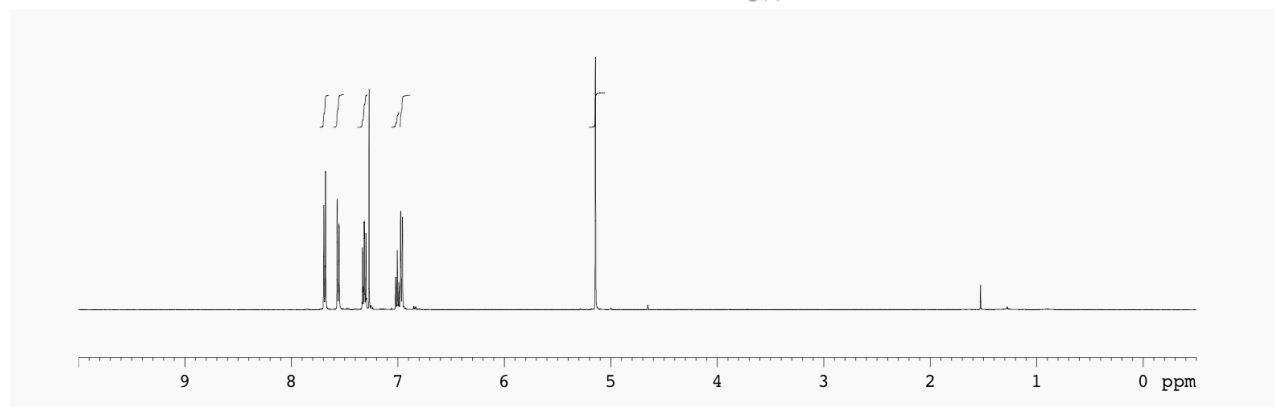
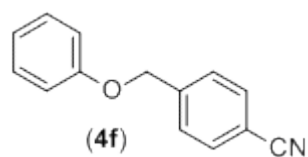
<sup>13</sup>C NMR (125.8 MHz, CDCl<sub>3</sub>) Spectrum of  
4-(*tert*-Butoxymethyl)benzonitrile (4c)



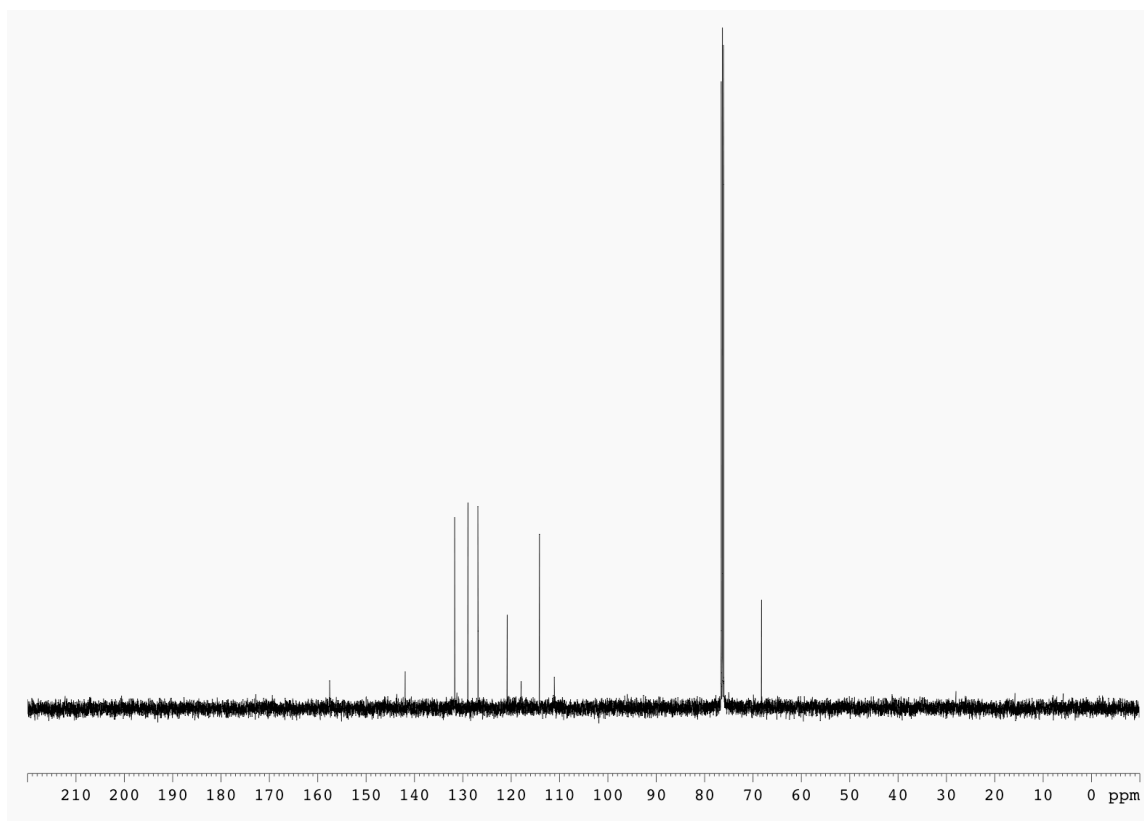
<sup>1</sup>H NMR (500 MHz, CDCl<sub>3</sub>) Spectrum of  
4-((2-(Trimethylsilyl)ethoxy)methyl)benzonitrile (**4d**)



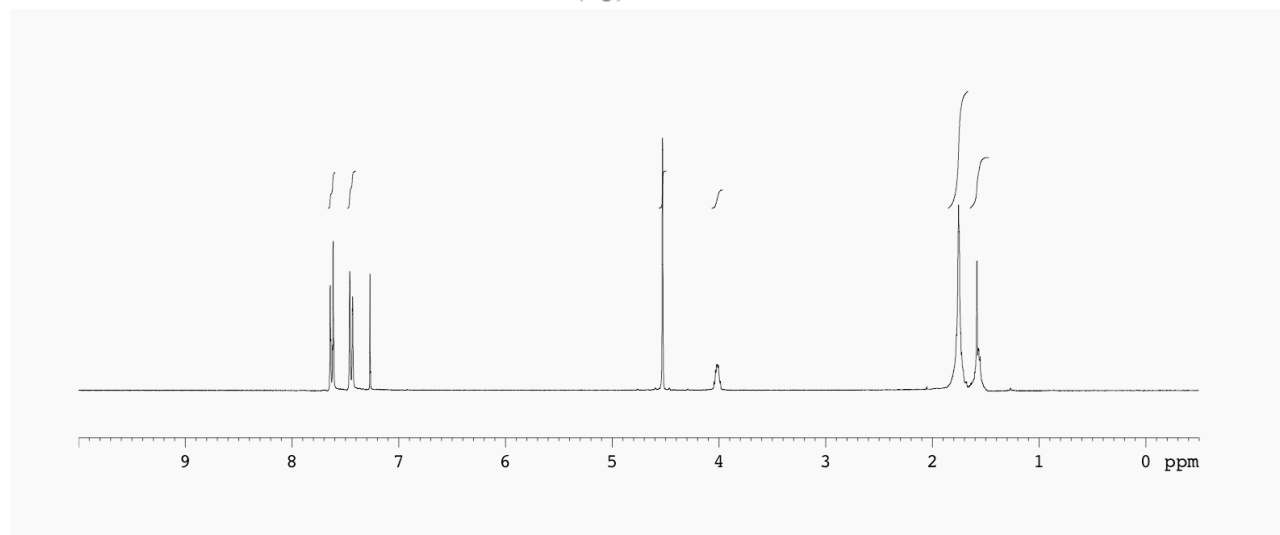
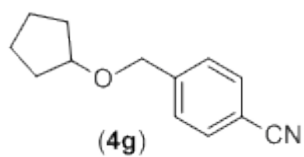
<sup>13</sup>C NMR (125.8 MHz, CDCl<sub>3</sub>) Spectrum of  
4-((2-(Trimethylsilyl)ethoxy)methyl)benzonitrile (**4d**)



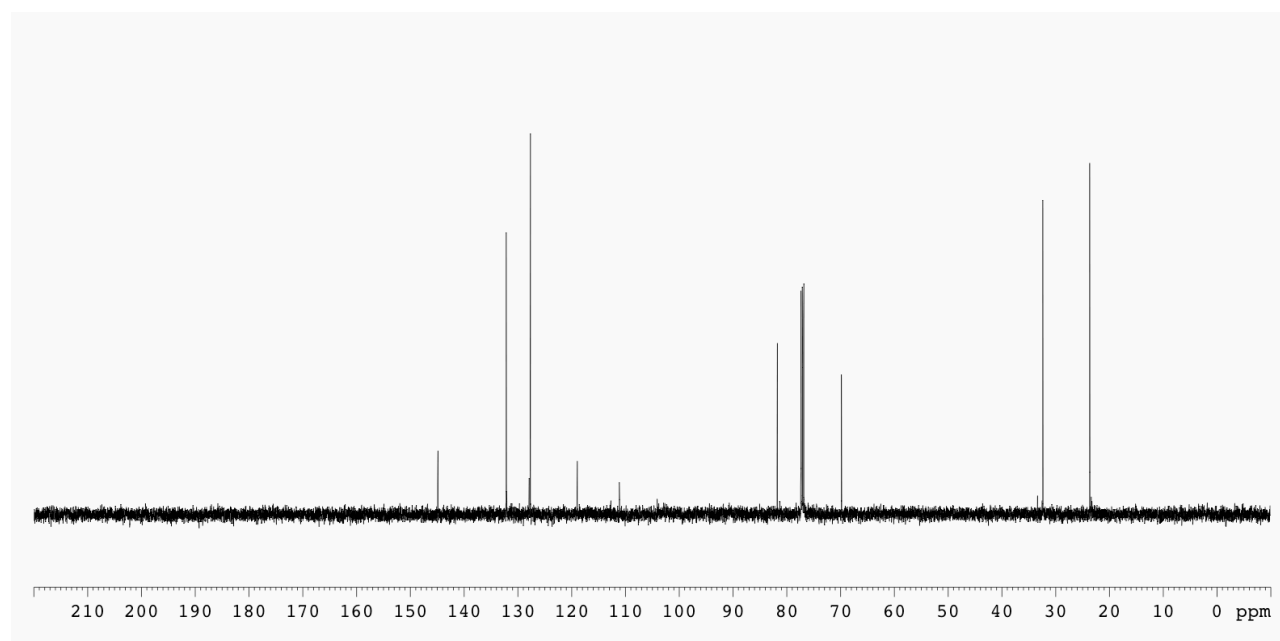
<sup>1</sup>H NMR (500 MHz, CDCl<sub>3</sub>) Spectrum of  
4-(Phenoxymethyl)benzonitrile (**4f**)



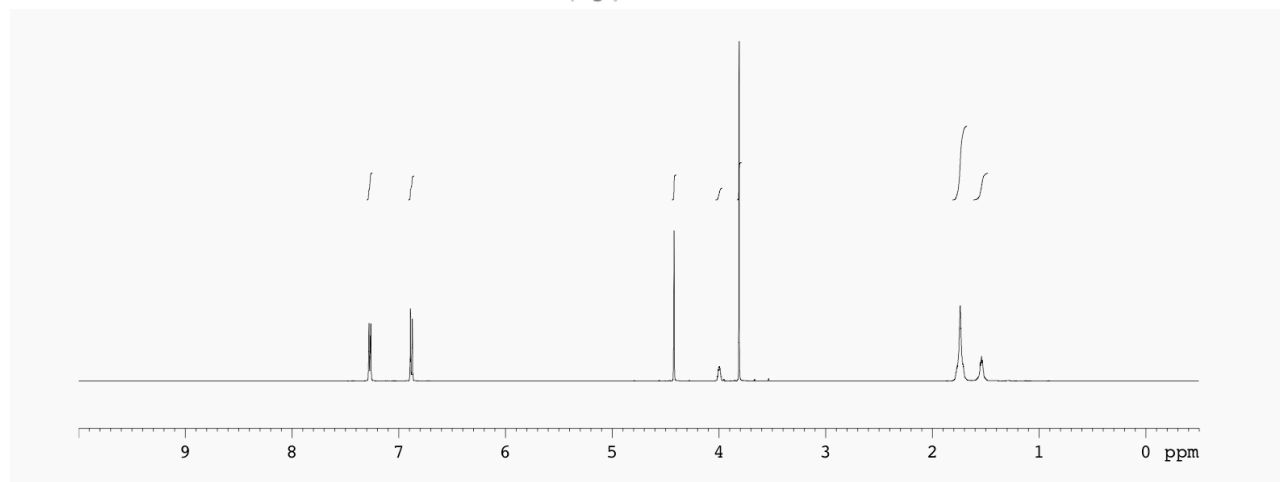
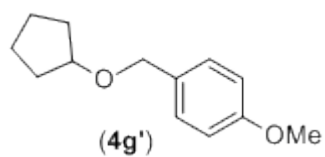
<sup>13</sup>C NMR (125.8 MHz, CDCl<sub>3</sub>) Spectrum of  
4-(Phenoxymethyl)benzonitrile (**4f**)



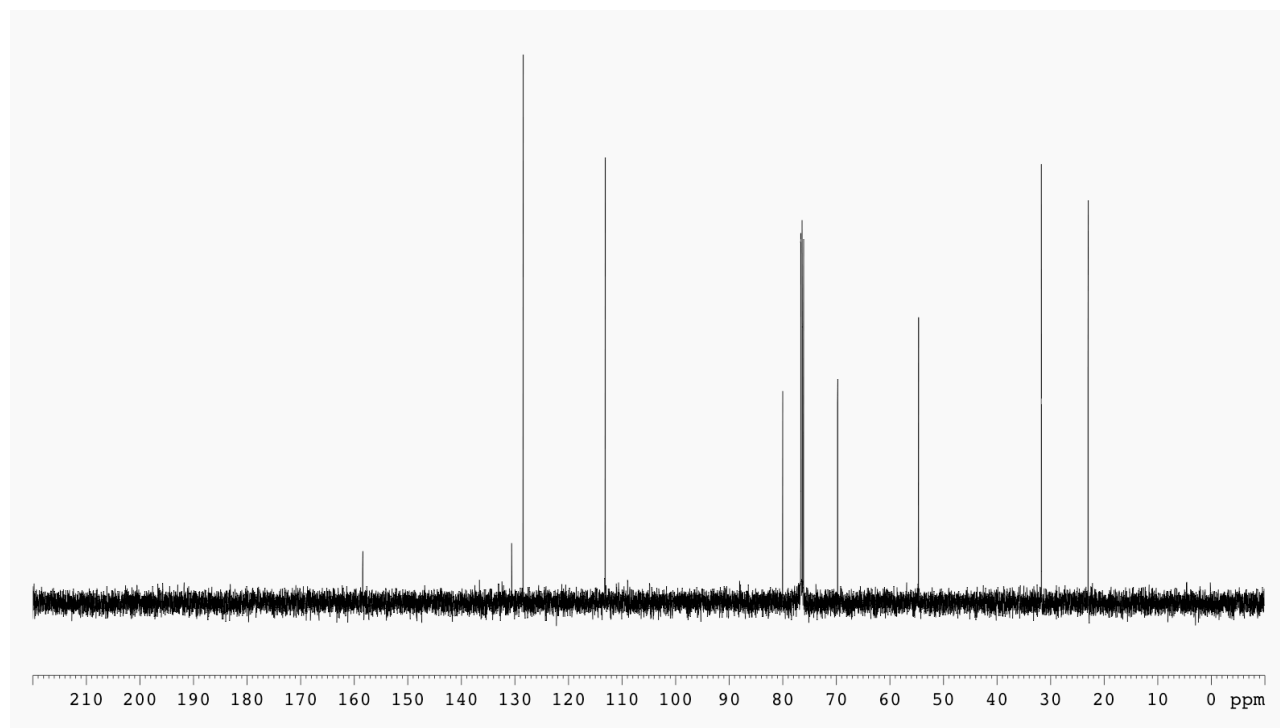
<sup>1</sup>H NMR (500 MHz, CDCl<sub>3</sub>) Spectrum of  
4-(Cyclopentyloxymethyl)benzonitrile (**4g**)



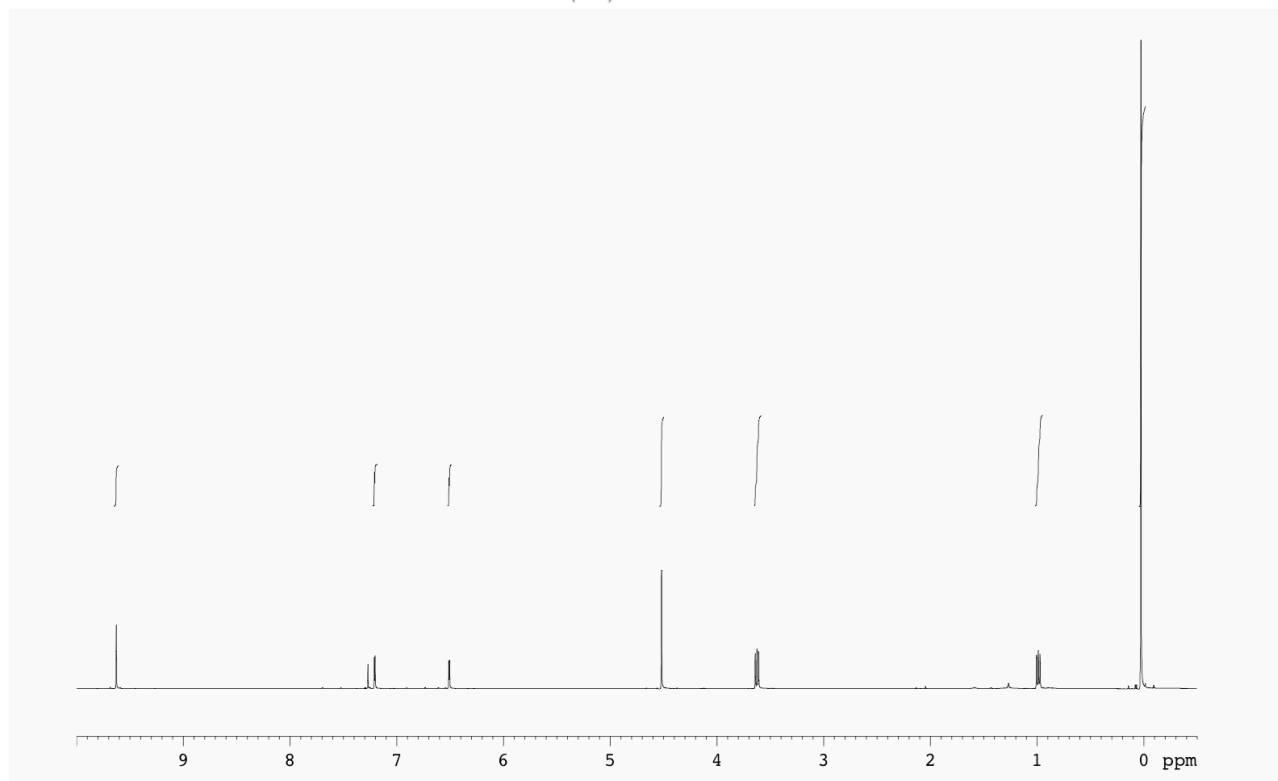
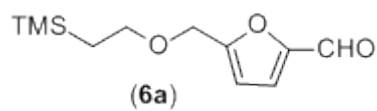
<sup>13</sup>C NMR (125.8 MHz, CDCl<sub>3</sub>) Spectrum of  
4-(Cyclopentyloxymethyl)benzonitrile (**4g**)



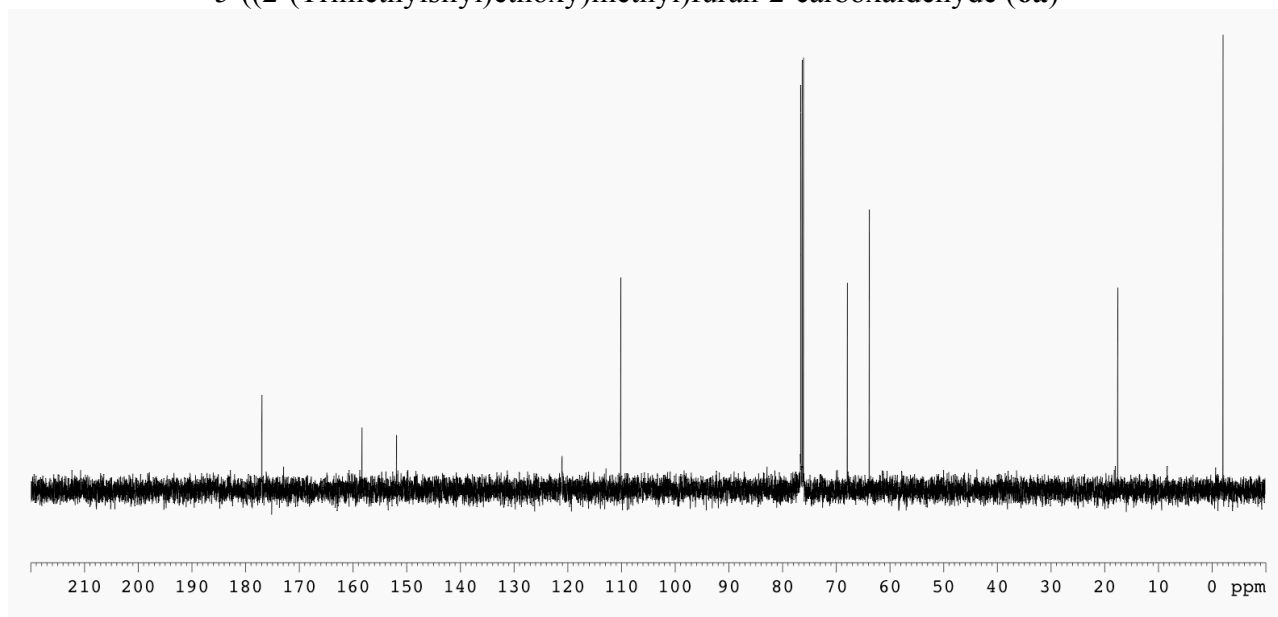
<sup>1</sup>H NMR (500 MHz, CDCl<sub>3</sub>) Spectrum of  
1-(Cyclopentyloxymethyl)-4-methoxybenzene (**4g'**)



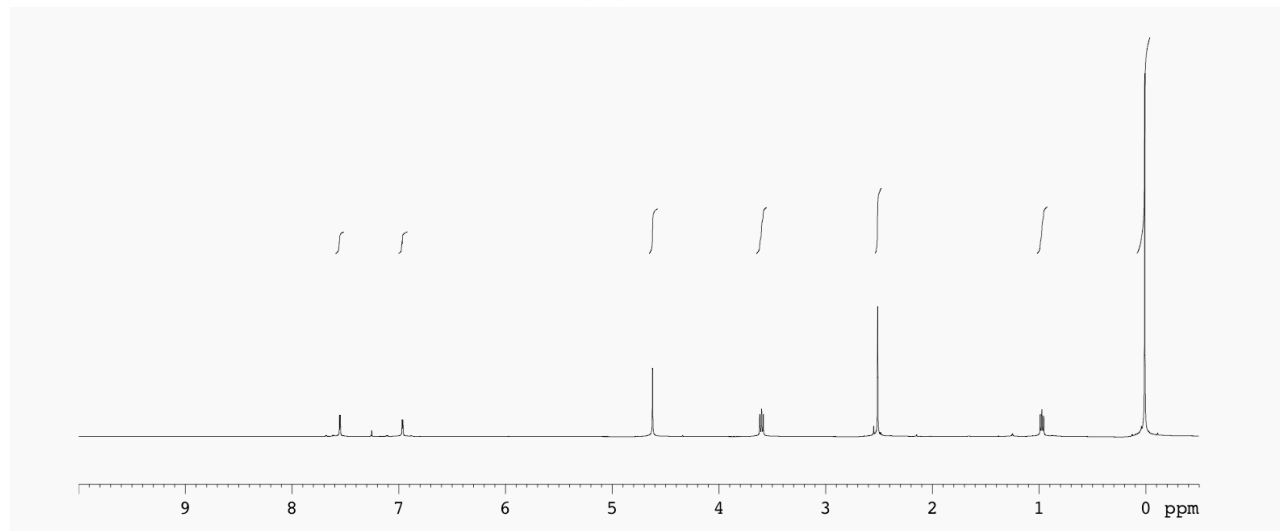
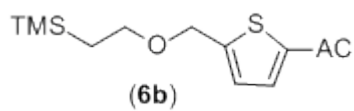
<sup>13</sup>C NMR (125.8 MHz, CDCl<sub>3</sub>) Spectrum of  
1-(Cyclopentyloxymethyl)-4-methoxybenzene (**4g'**)



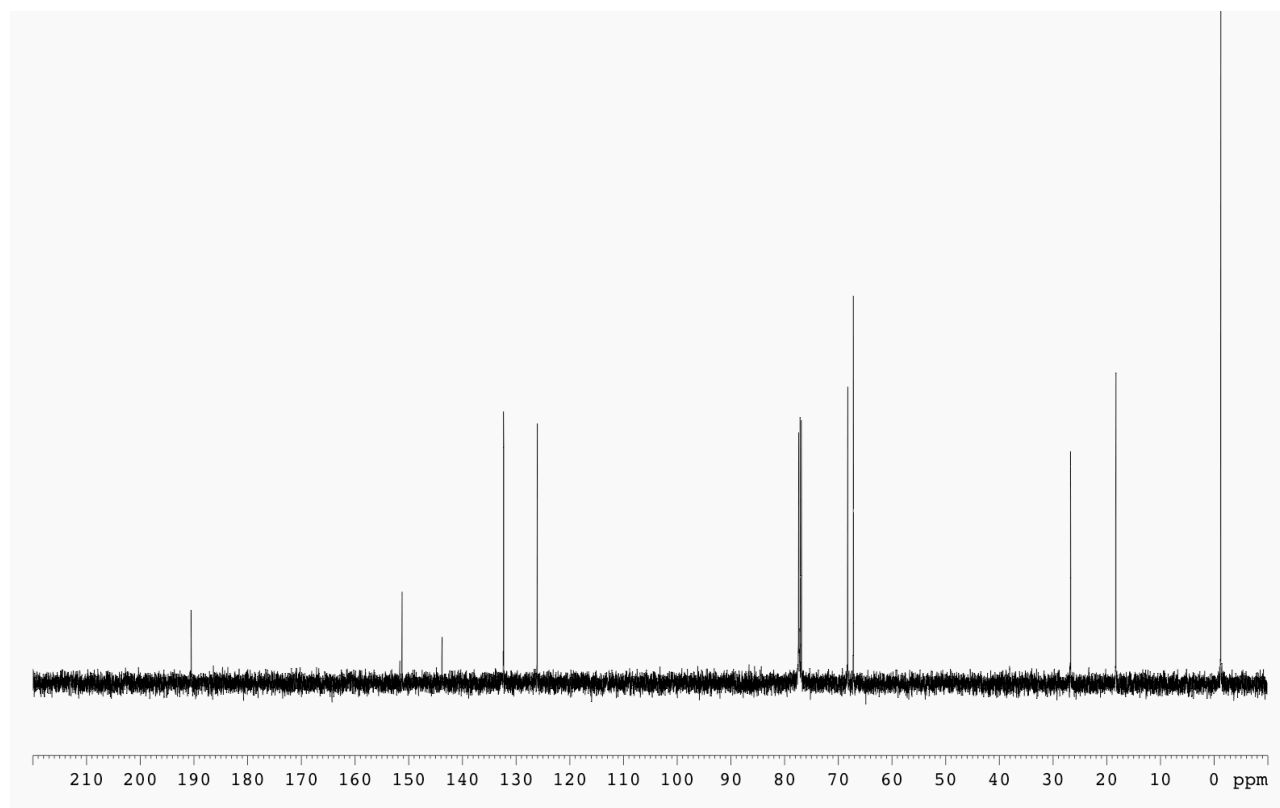
<sup>1</sup>H NMR (500 MHz, CDCl<sub>3</sub>) Spectrum of  
5-((2-(Trimethylsilyl)ethoxy)methyl)furan-2-carboxaldehyde (6a)



<sup>13</sup>C NMR (125.8 MHz, CDCl<sub>3</sub>) Spectrum of  
5-((2-(Trimethylsilyl)ethoxy)methyl)furan-2-carboxaldehyde (6a)

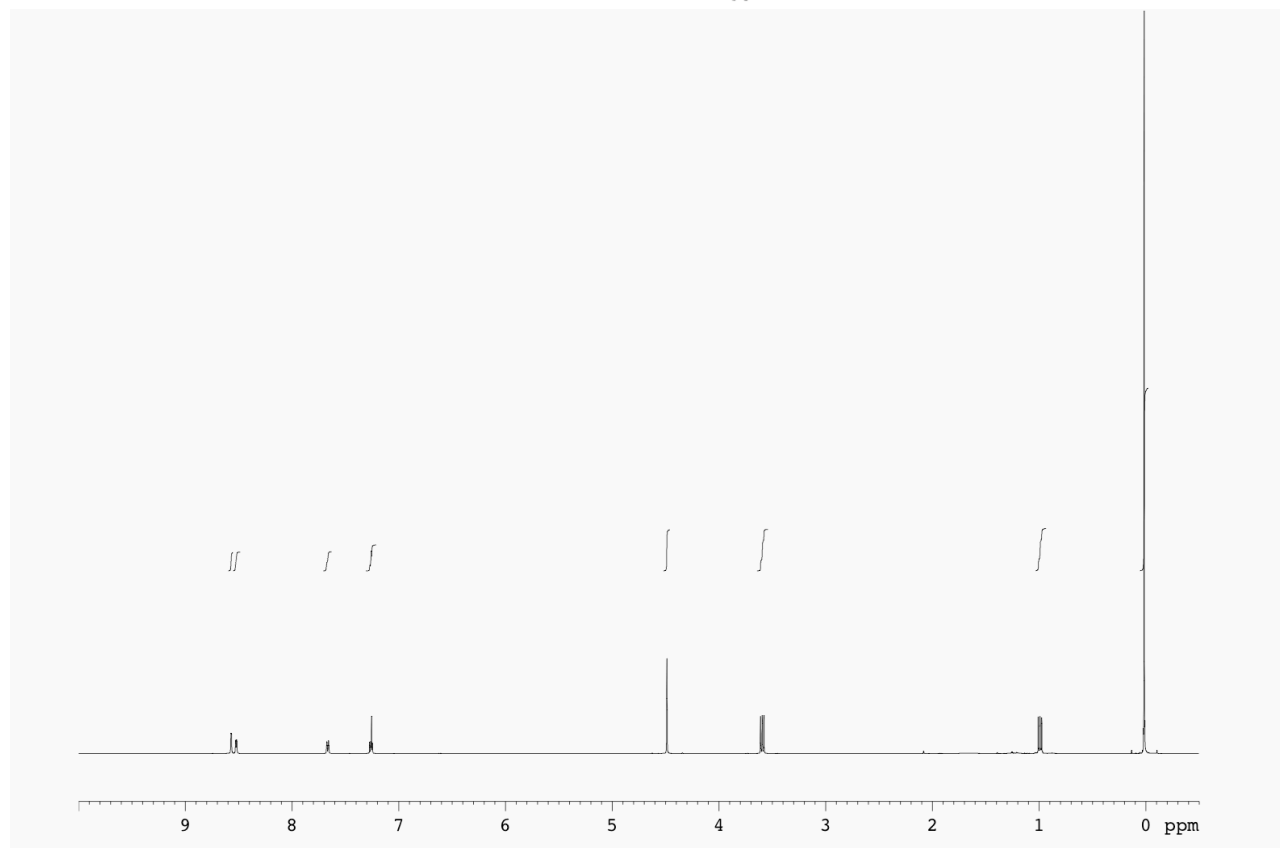
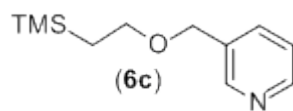


<sup>1</sup>H NMR (500 MHz, CDCl<sub>3</sub>) Spectrum of  
1-(5-((2-(Trimethylsilyl)ethoxy)methyl)thiophen-2-yl)ethanone (**6b**)

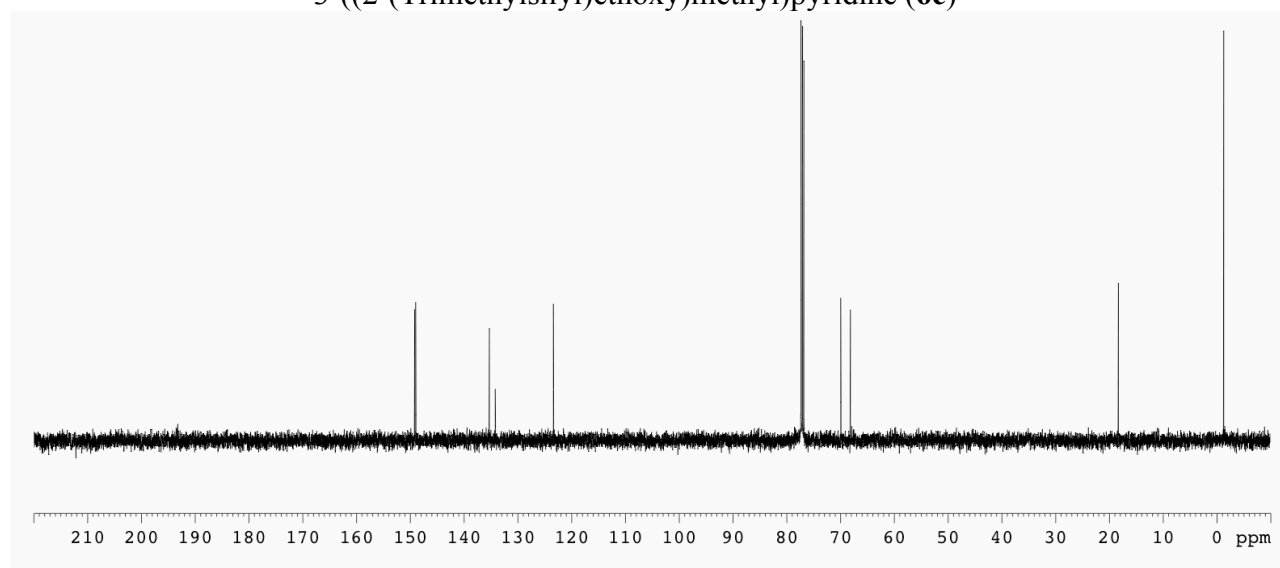


<sup>13</sup>C NMR (125.8 MHz, CDCl<sub>3</sub>) Spectrum of  
1-(5-((2-(Trimethylsilyl)ethoxy)methyl)thiophen-2-yl)ethanone (**6b**)

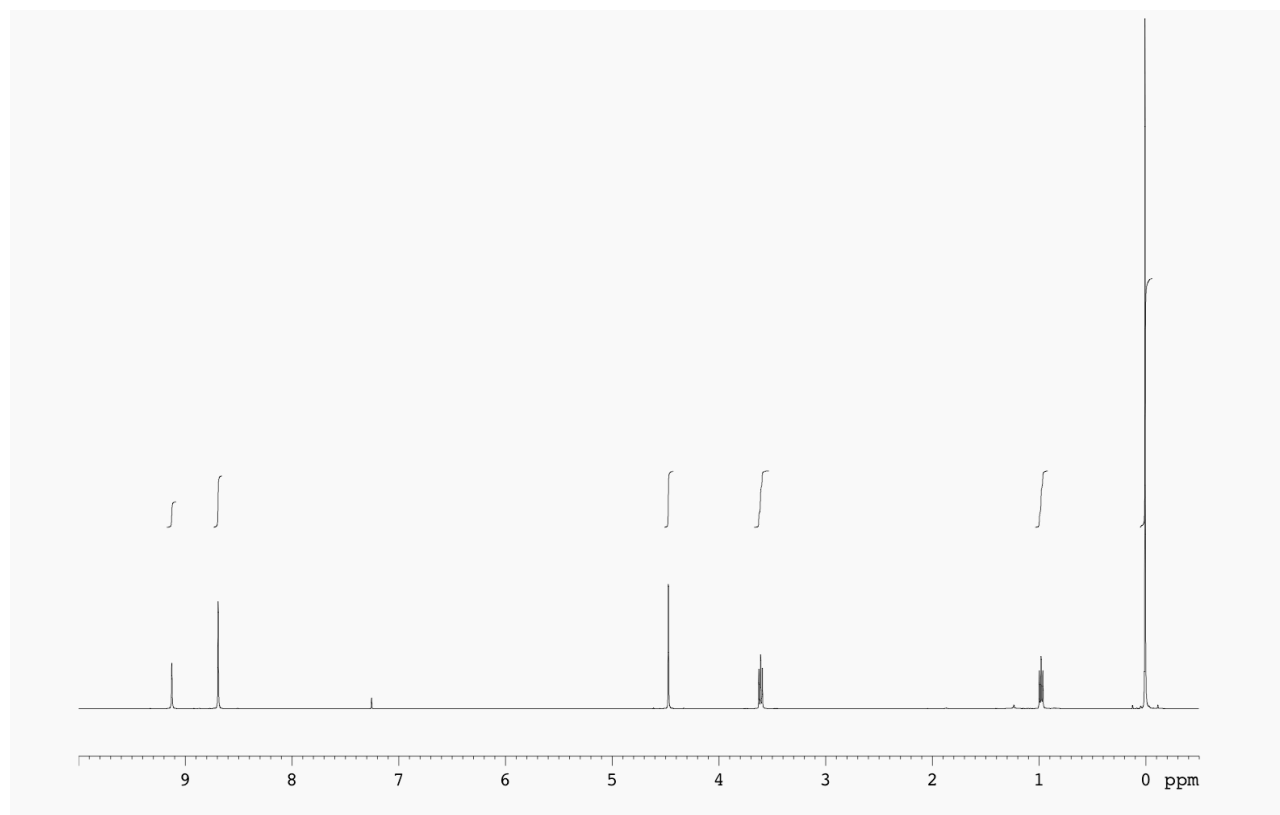
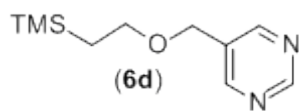




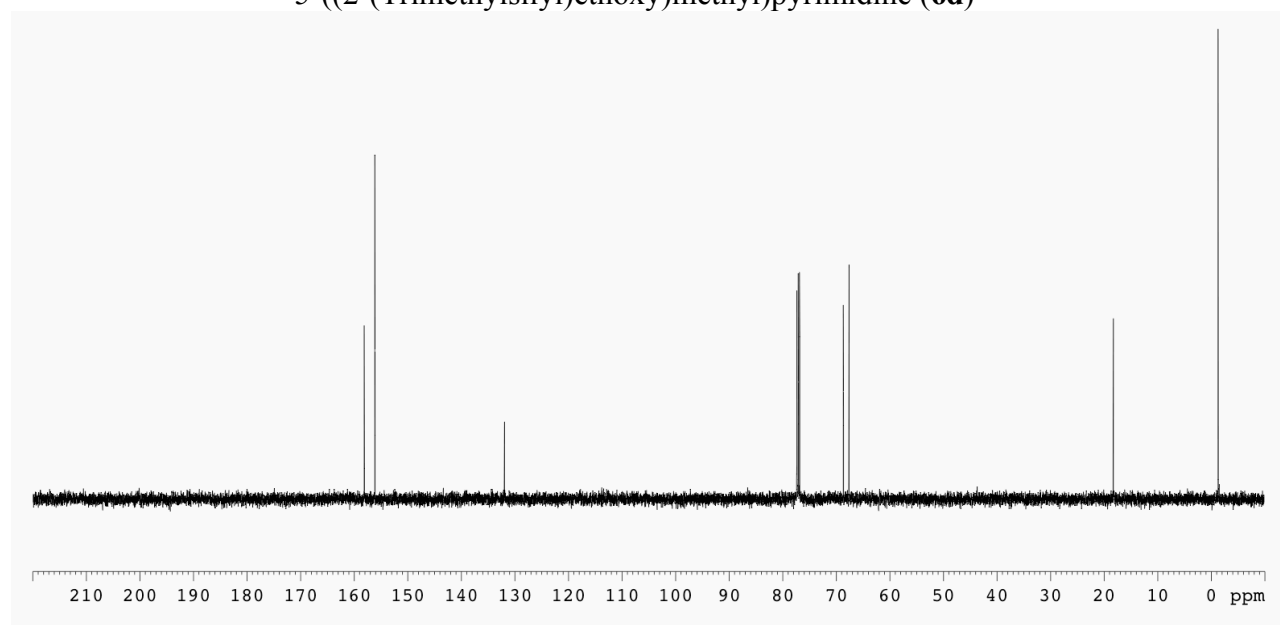
<sup>1</sup>H NMR (500 MHz, CDCl<sub>3</sub>) Spectrum of  
3-((2-(Trimethylsilyl)ethoxy)methyl)pyridine (6c)



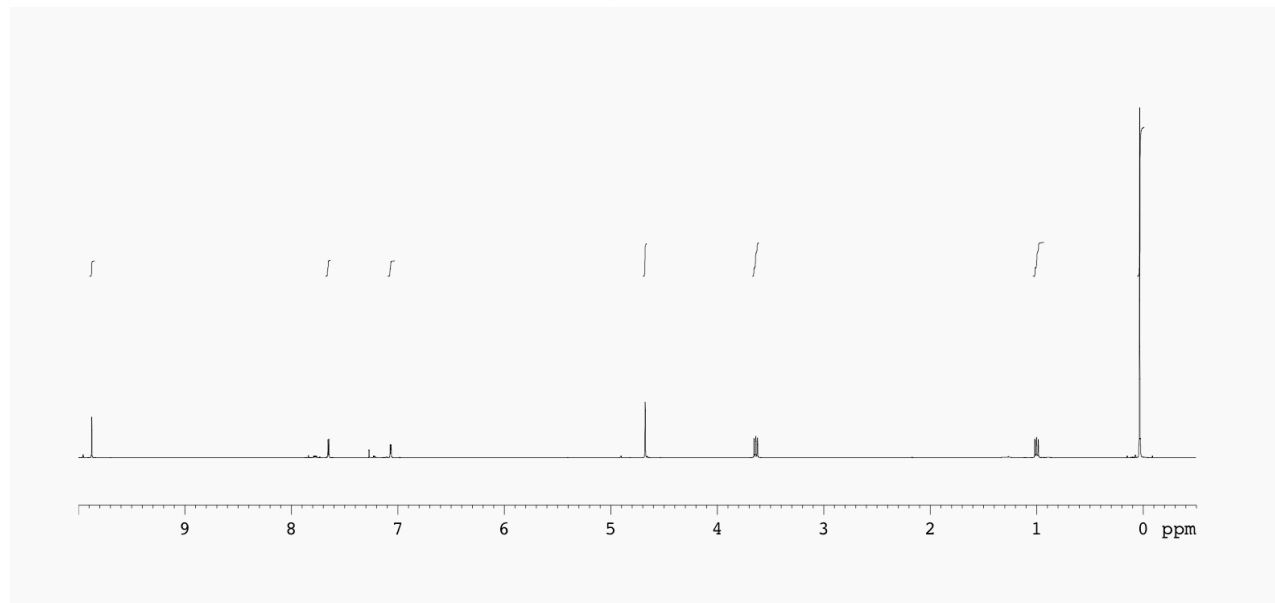
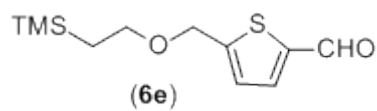
<sup>13</sup>C NMR (125.8 MHz, CDCl<sub>3</sub>) Spectrum of  
3-((2-(Trimethylsilyl)ethoxy)methyl)pyridine (6c)



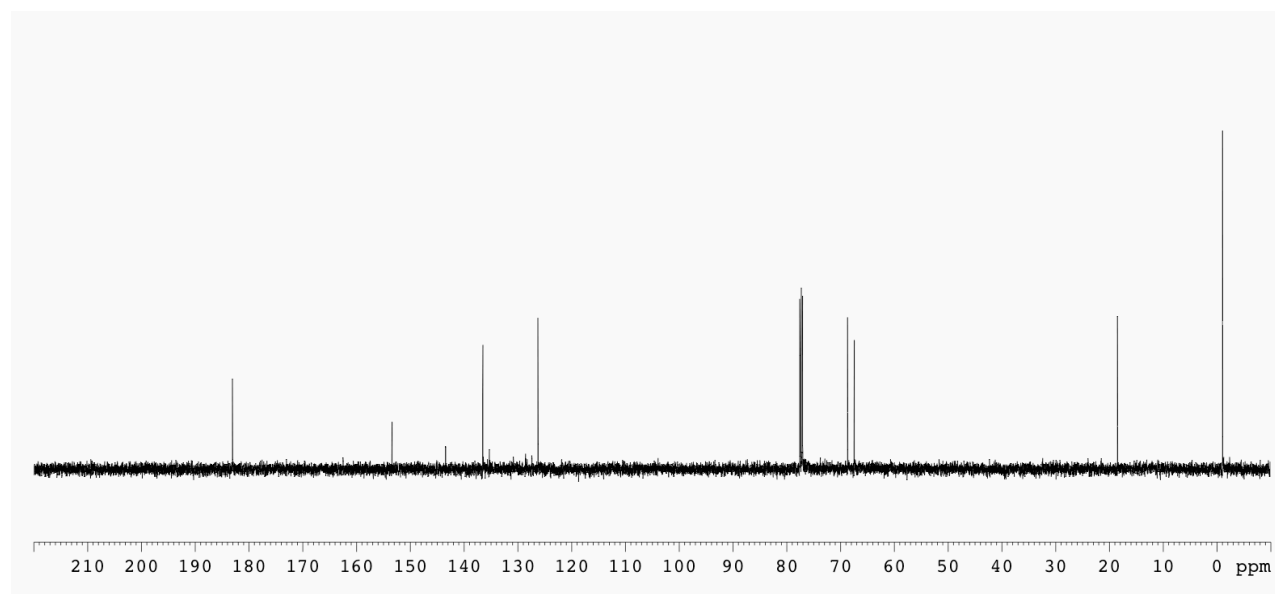
<sup>1</sup>H NMR (500 MHz, CDCl<sub>3</sub>) Spectrum of 5-((2-(Trimethylsilyl)ethoxy)methyl)pyrimidine (**6d**)



<sup>13</sup>C NMR (125.8 MHz, CDCl<sub>3</sub>) Spectrum of 5-((2-(Trimethylsilyl)ethoxy)methyl)pyrimidine (**6d**)



<sup>1</sup>H NMR (500 MHz, CDCl<sub>3</sub>) Spectrum of  
5-((2-(Trimethylsilyl)ethoxy)methyl)thiophene-2-carboxaldehyde (**6e**)



<sup>13</sup>C NMR (125.8 MHz, CDCl<sub>3</sub>) Spectrum of  
5-((2-(Trimethylsilyl)ethoxy)methyl)thiophene-2-carboxaldehyde (**6e**)