

Tesi doctoral presentada per En/Na

**Eulàlia PIÑOL OLLÉ**

amb el títol

**" Disseny, síntesi i avaluació d'inhibidors de  
dimerització de la proteasa del VIH-1"**

per a l'obtenció del títol de Doctor/a en

FARMÀCIA

Barcelona, 20 de juny del 2007.

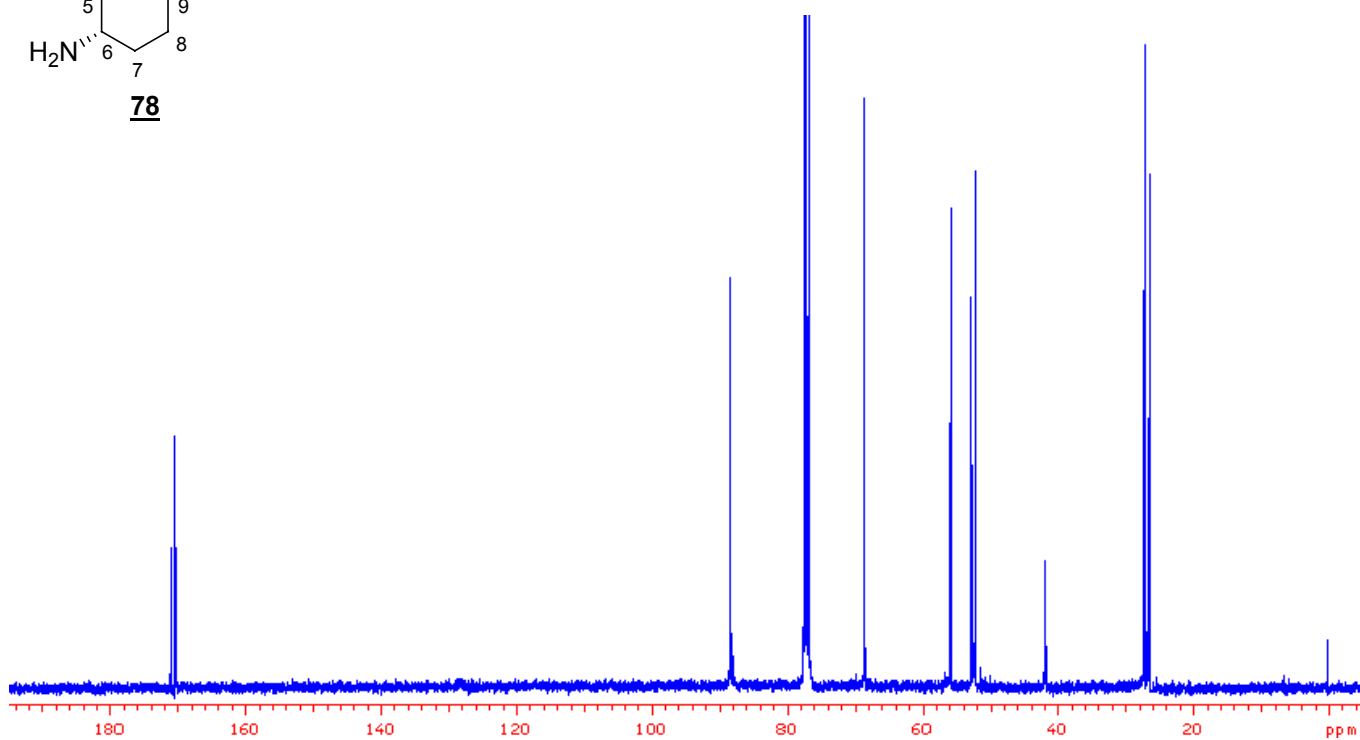
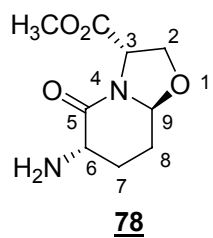
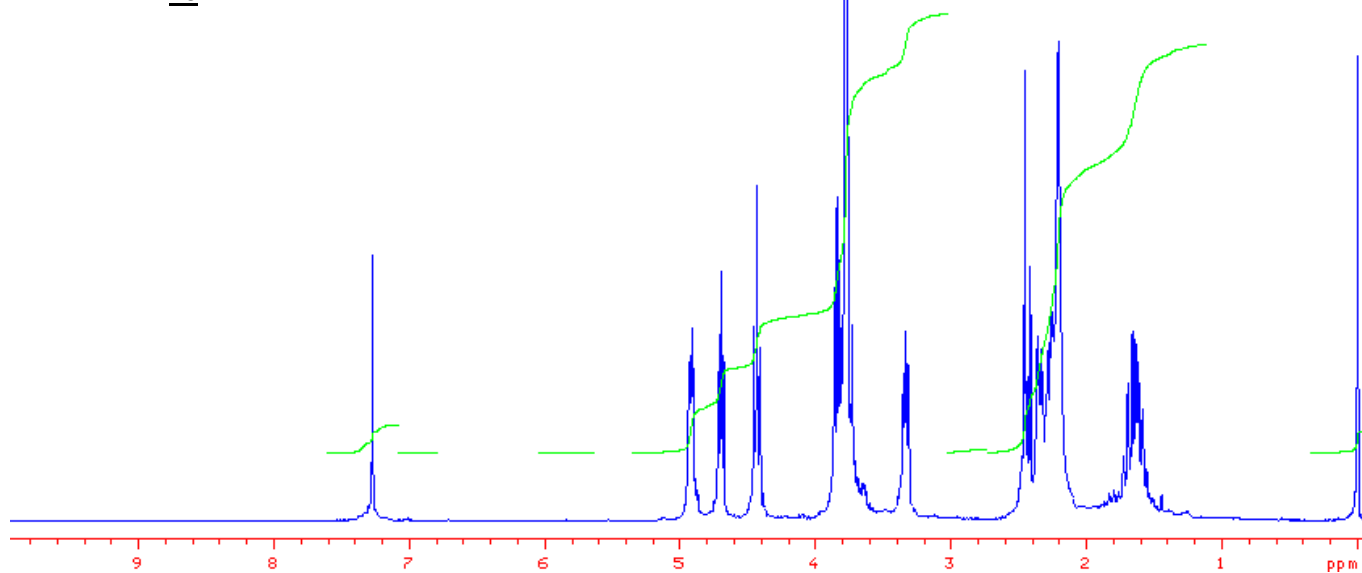
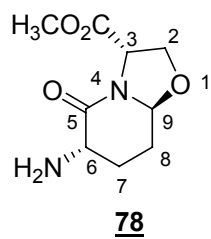
Facultat de Farmàcia  
Departament de Farmacologia i Química Terapèutica

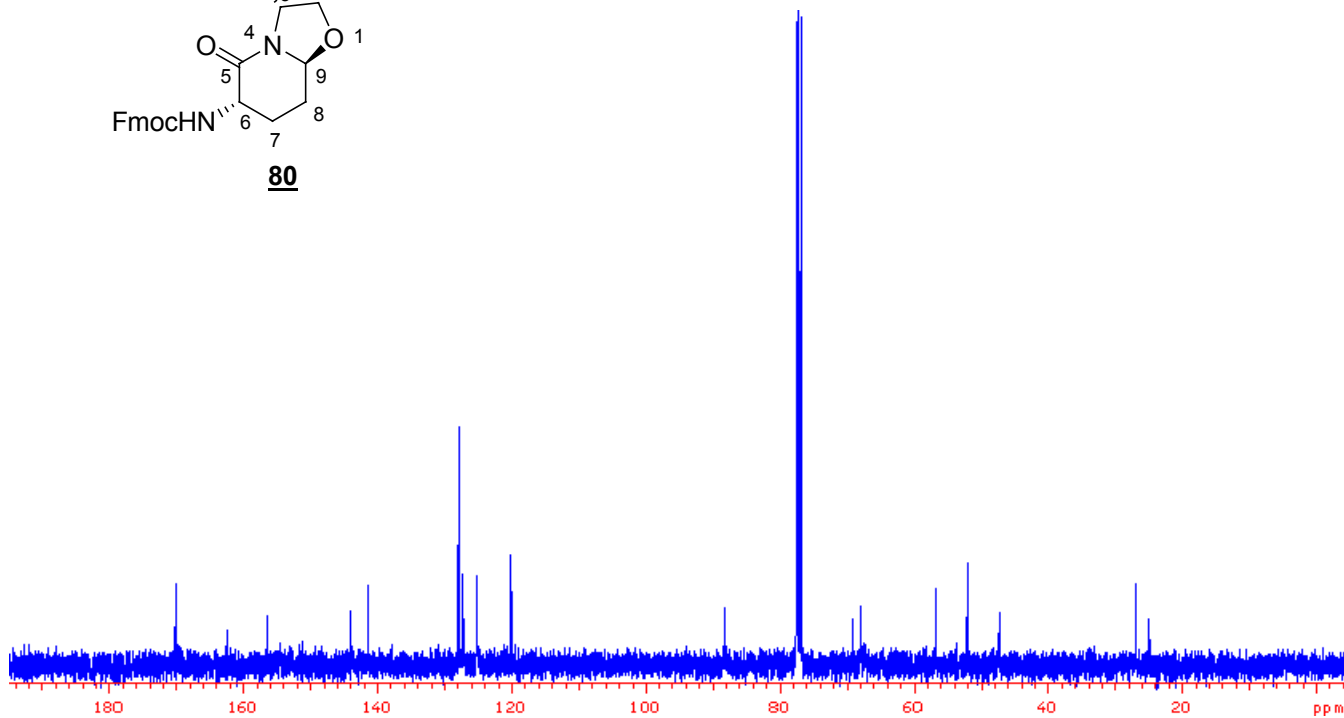
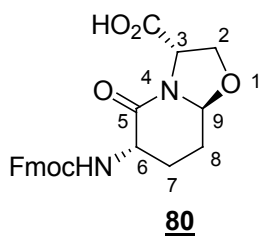
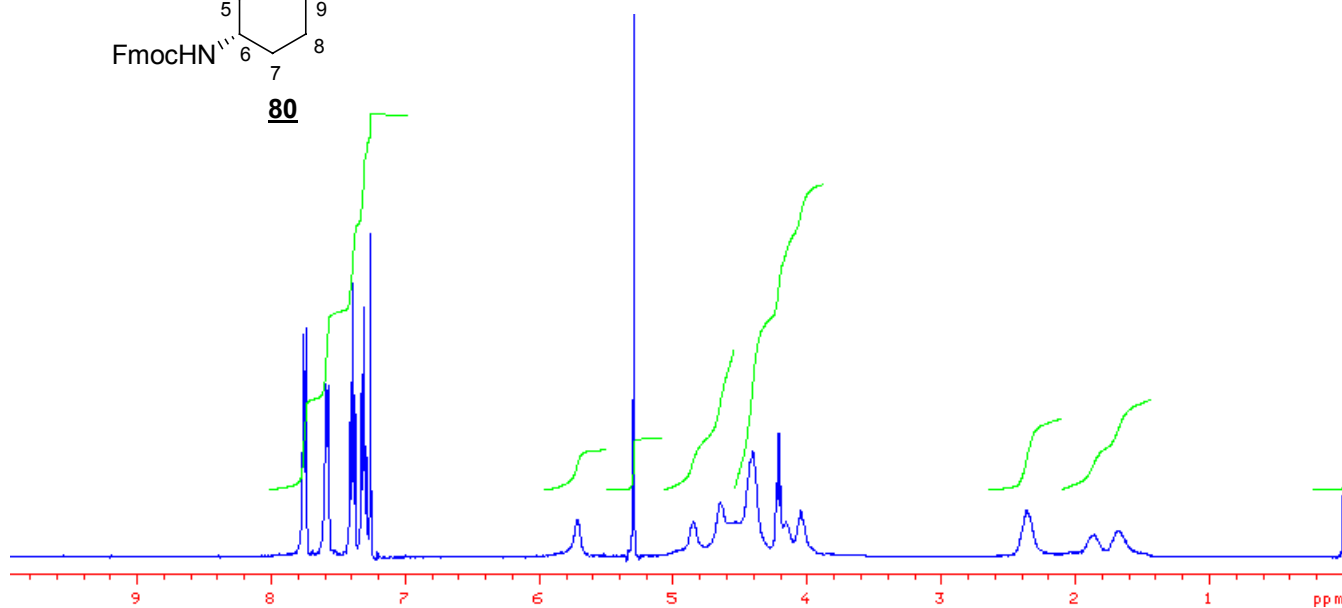
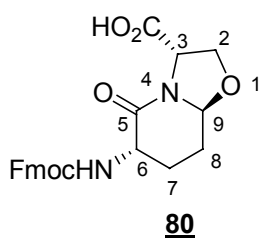


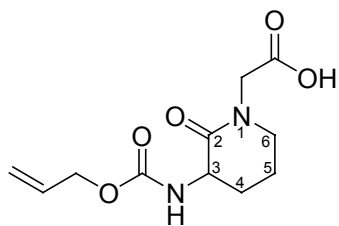
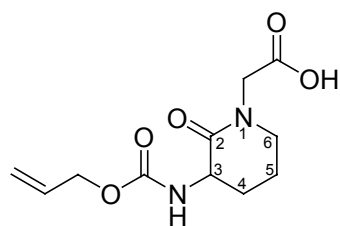
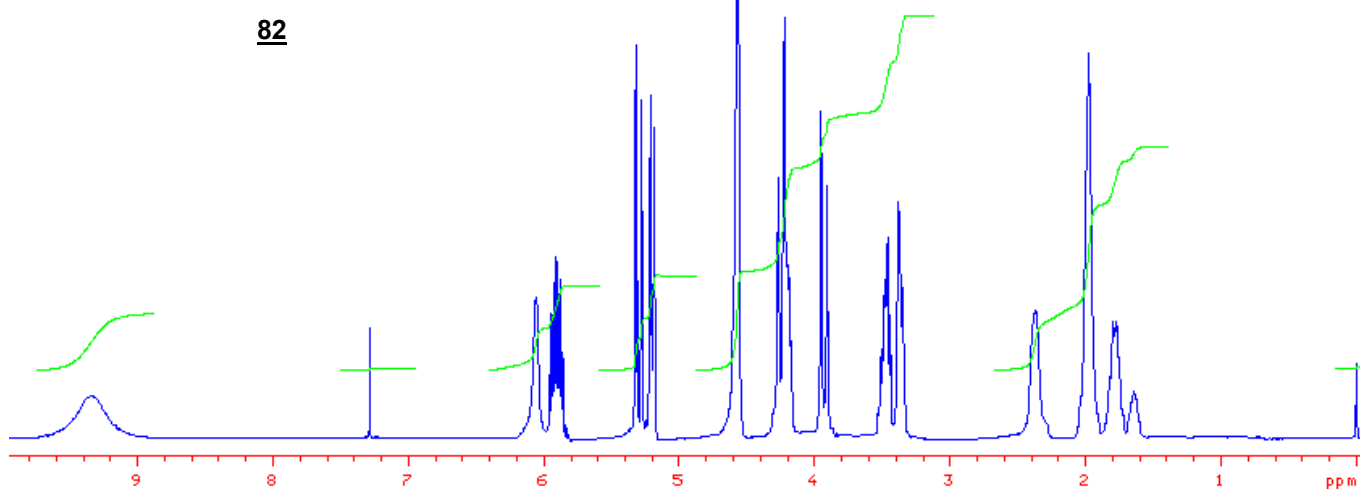
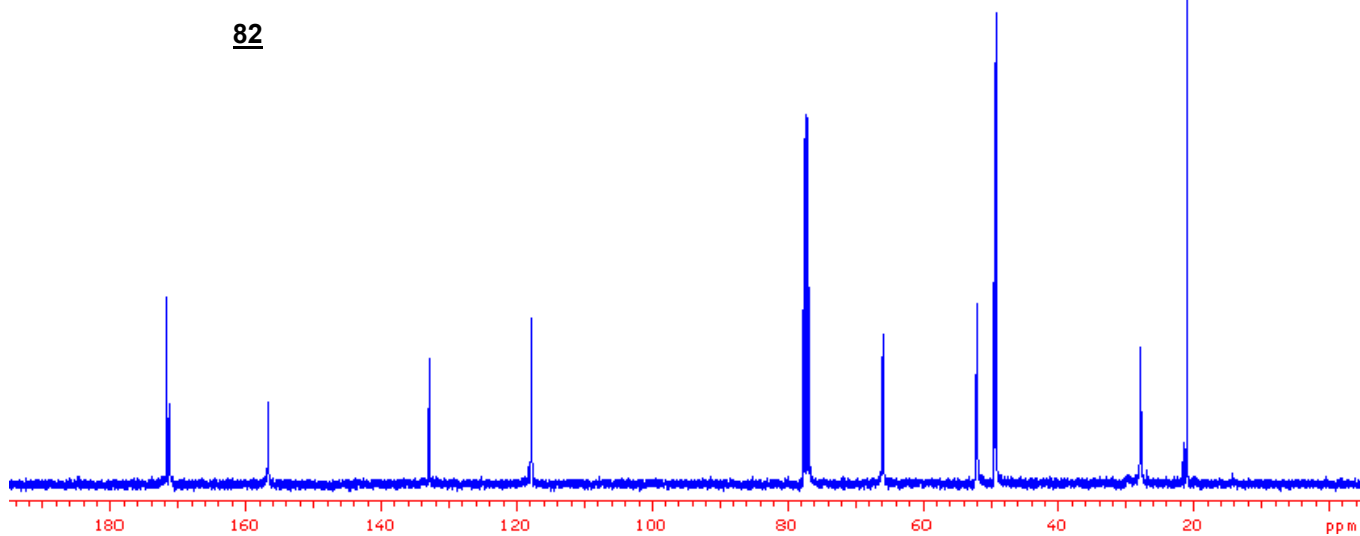
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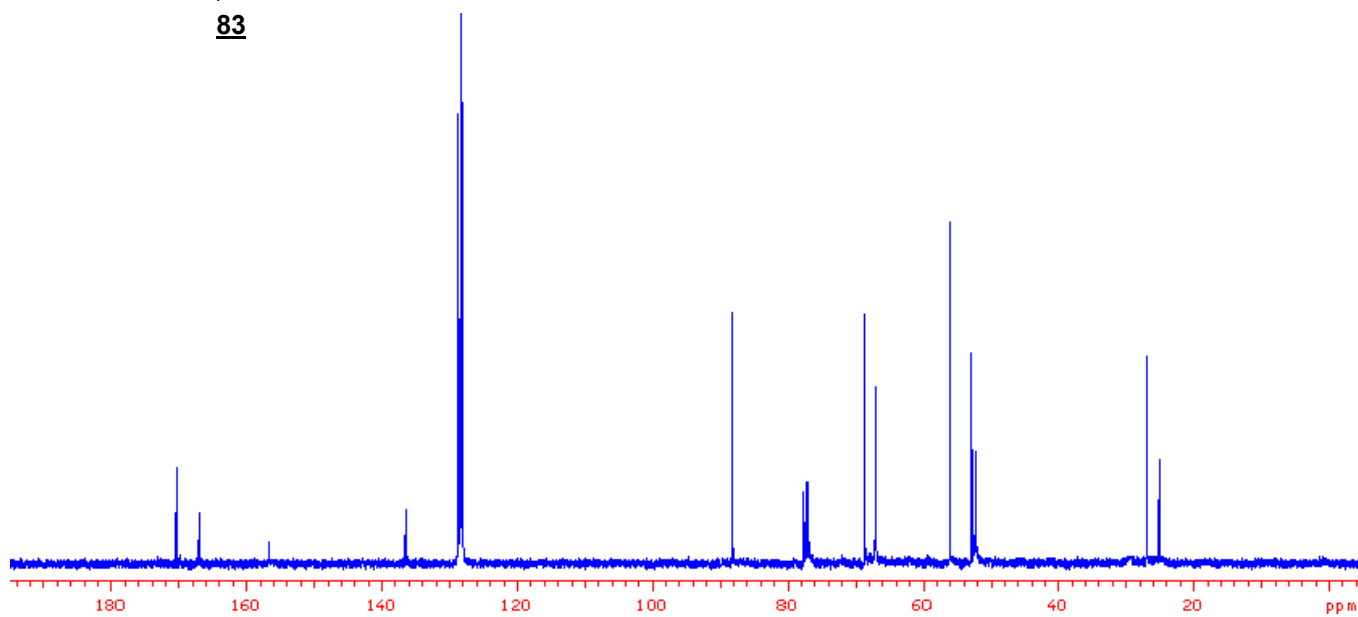
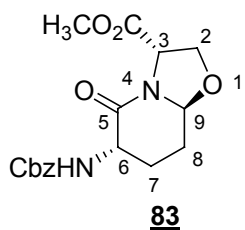
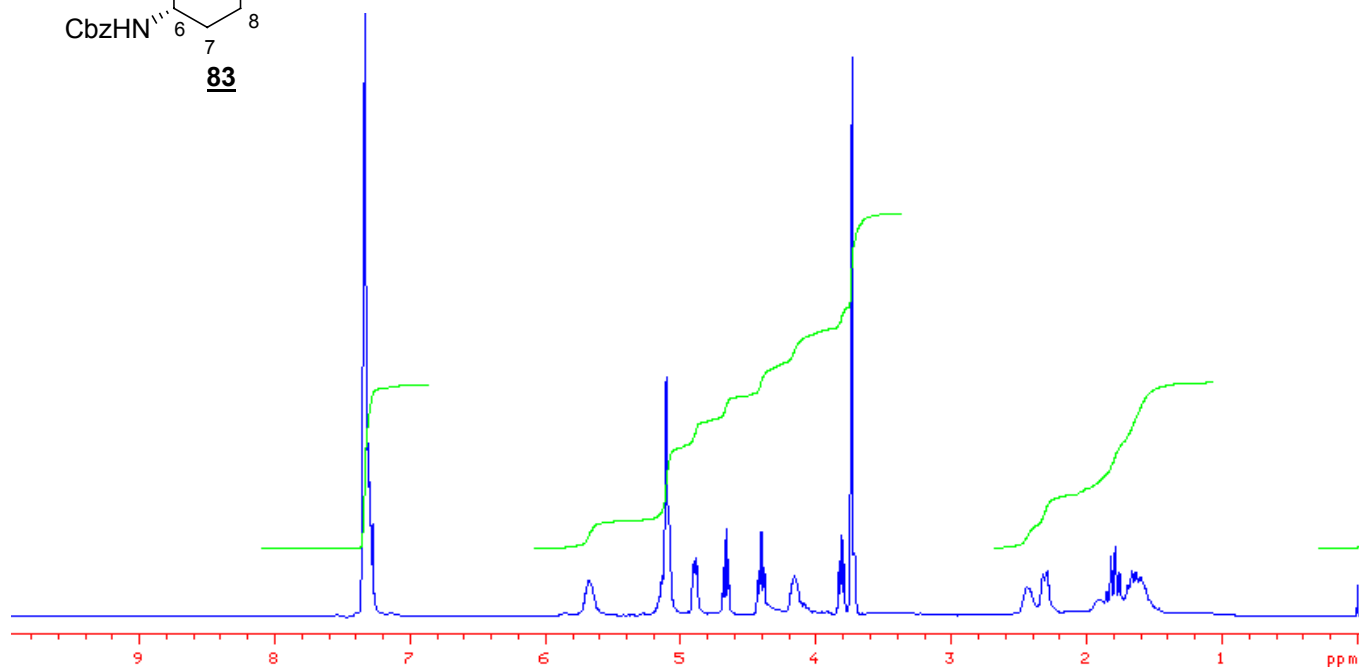
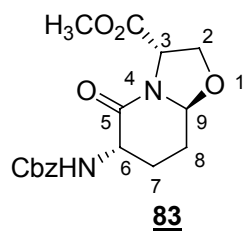


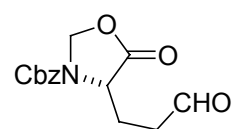
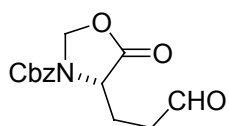
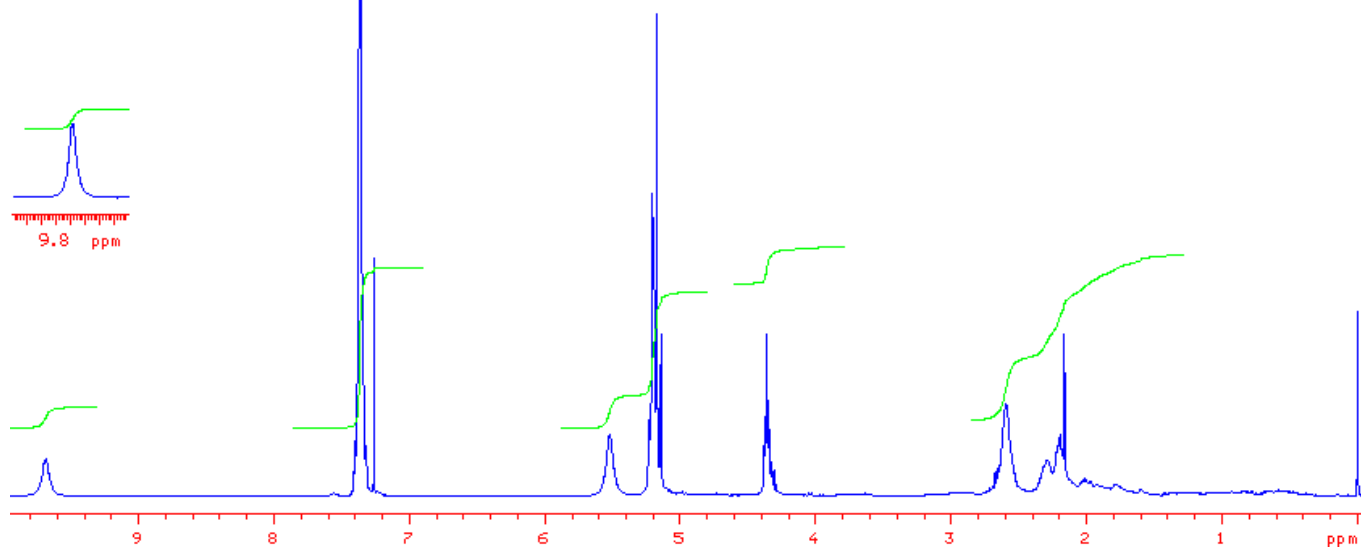
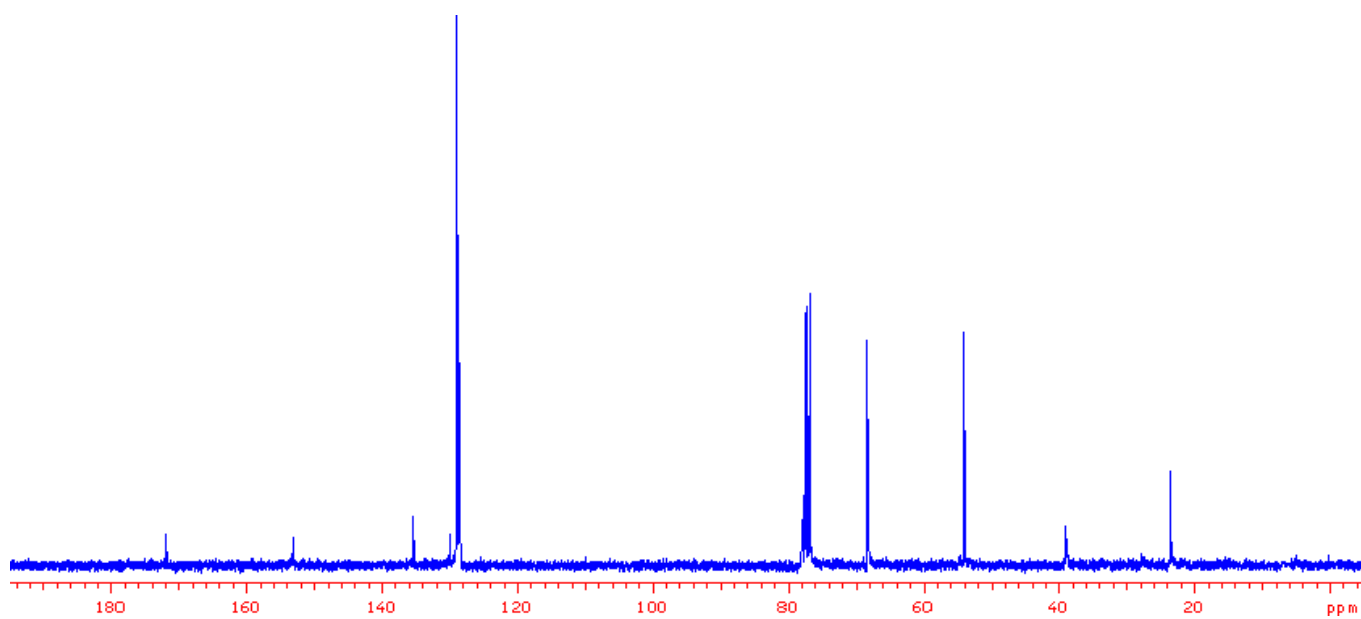
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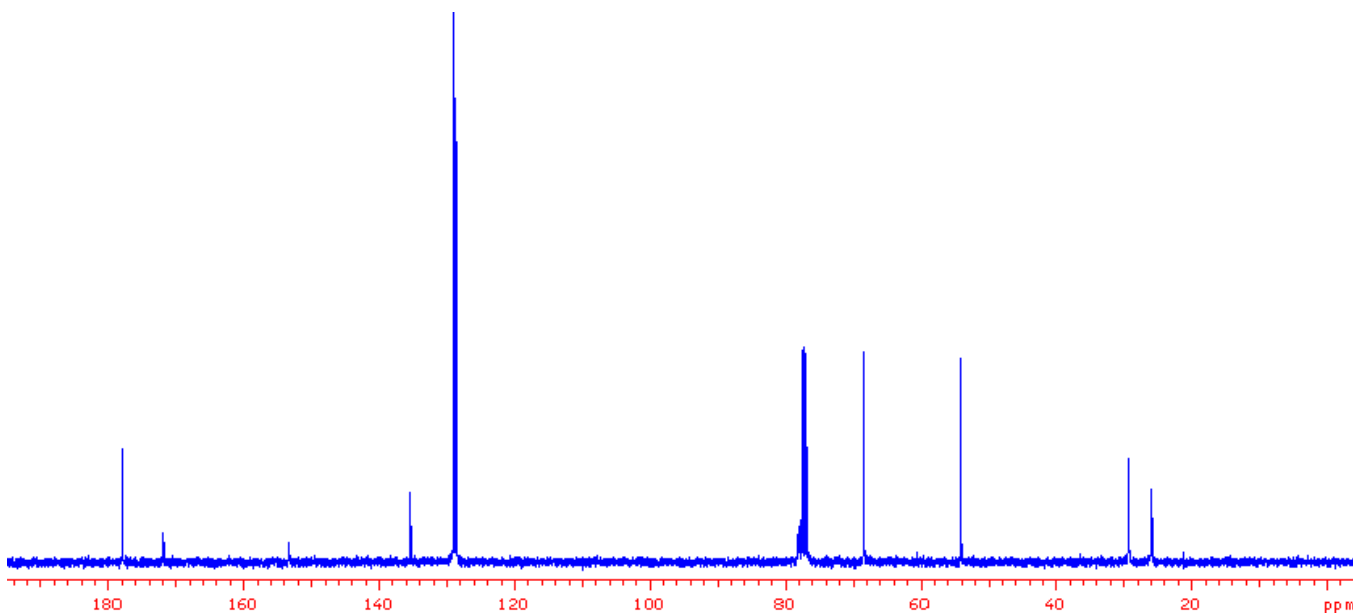
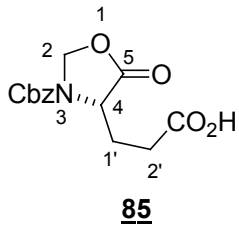
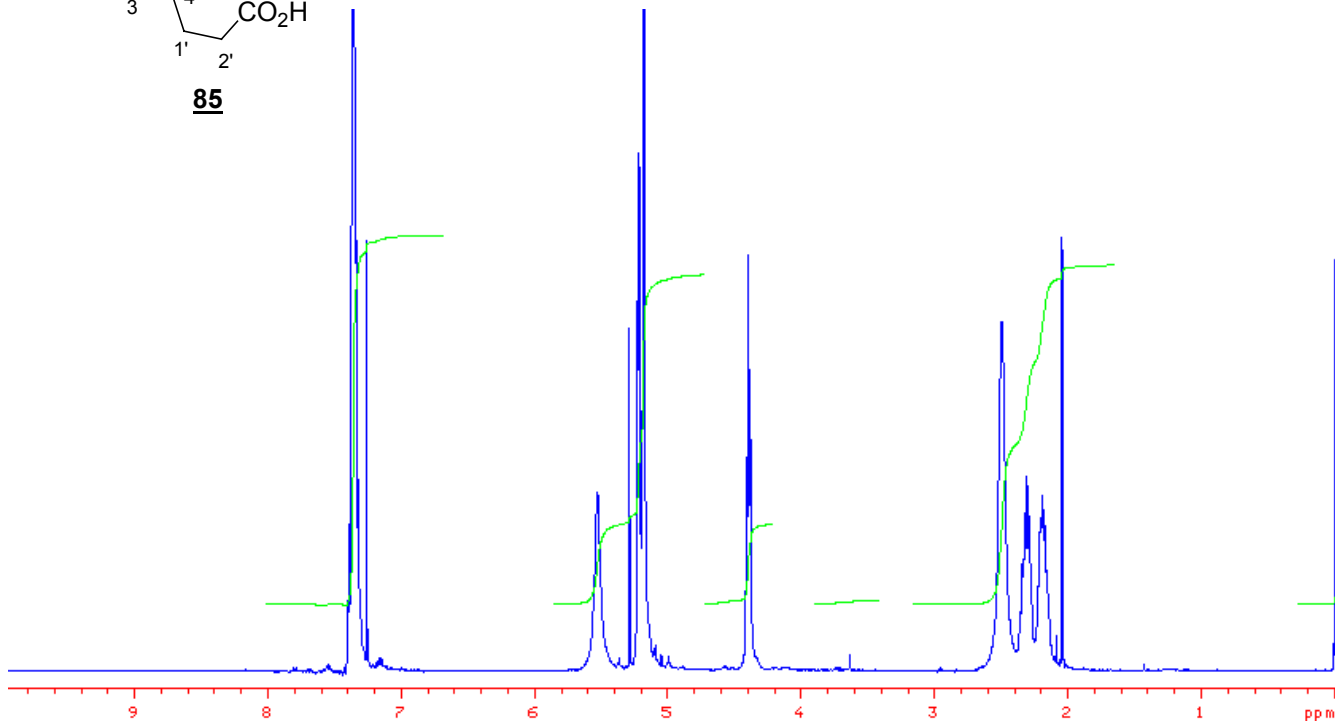
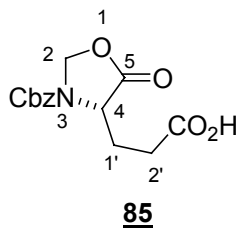


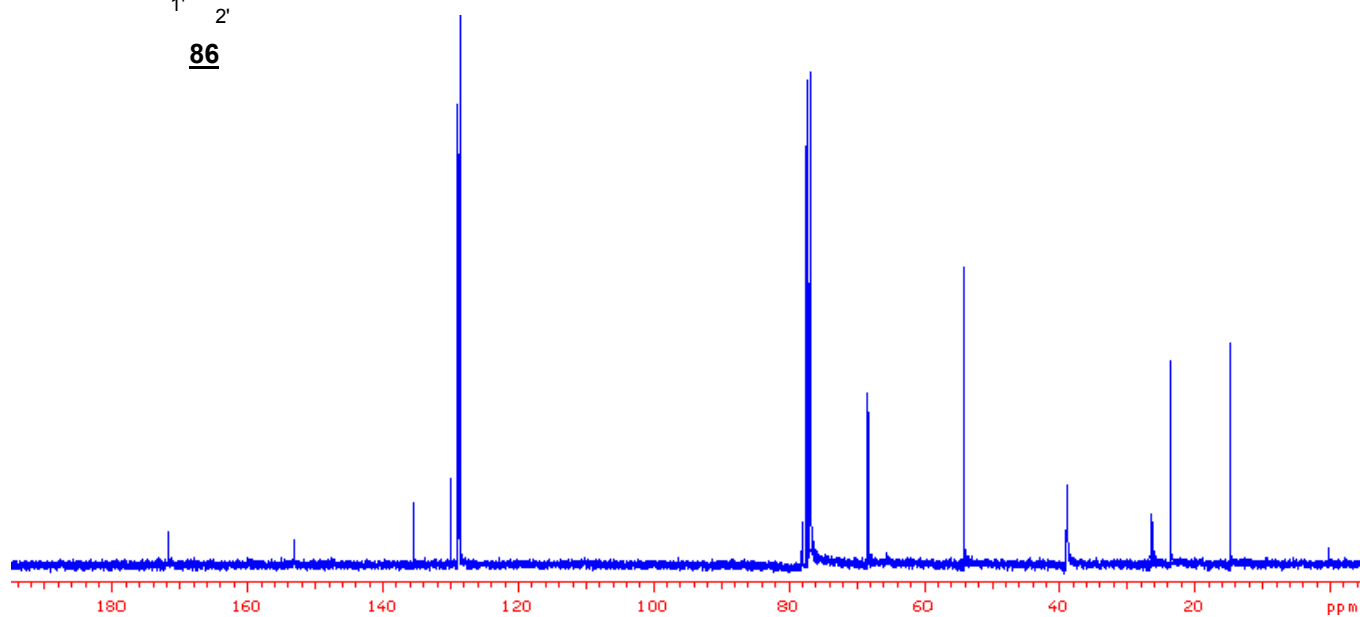
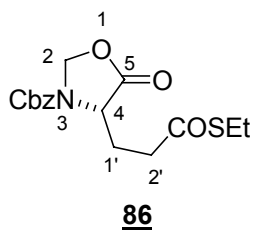
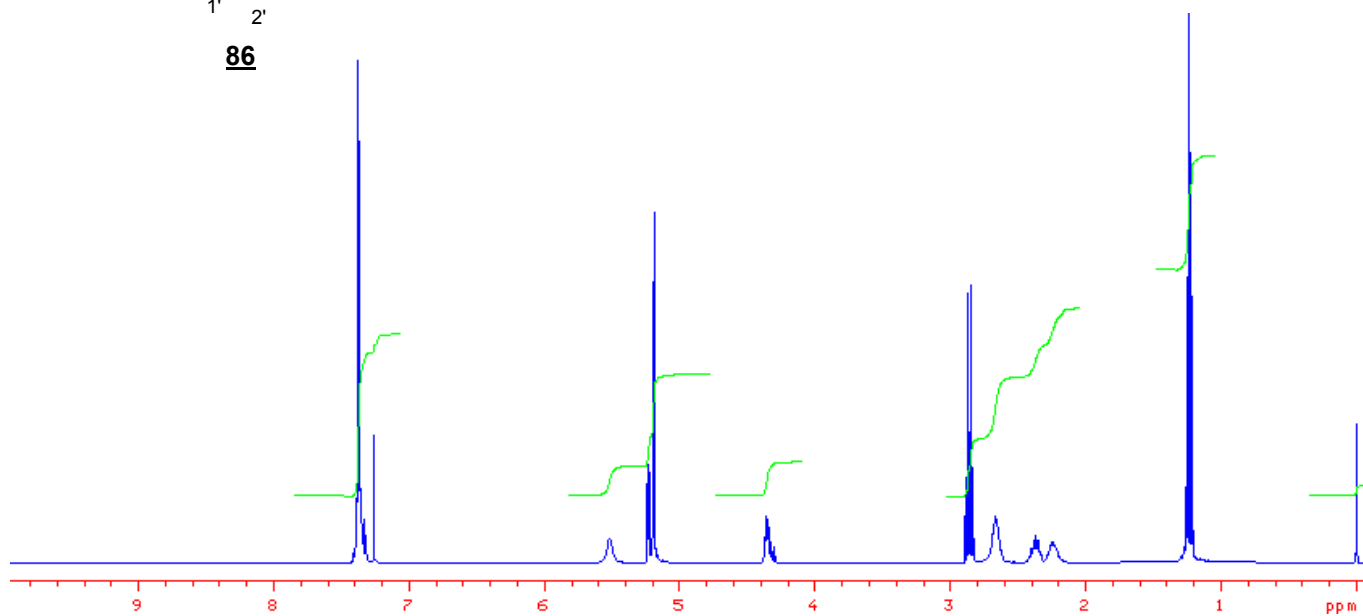
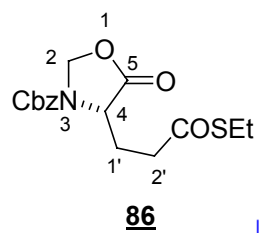


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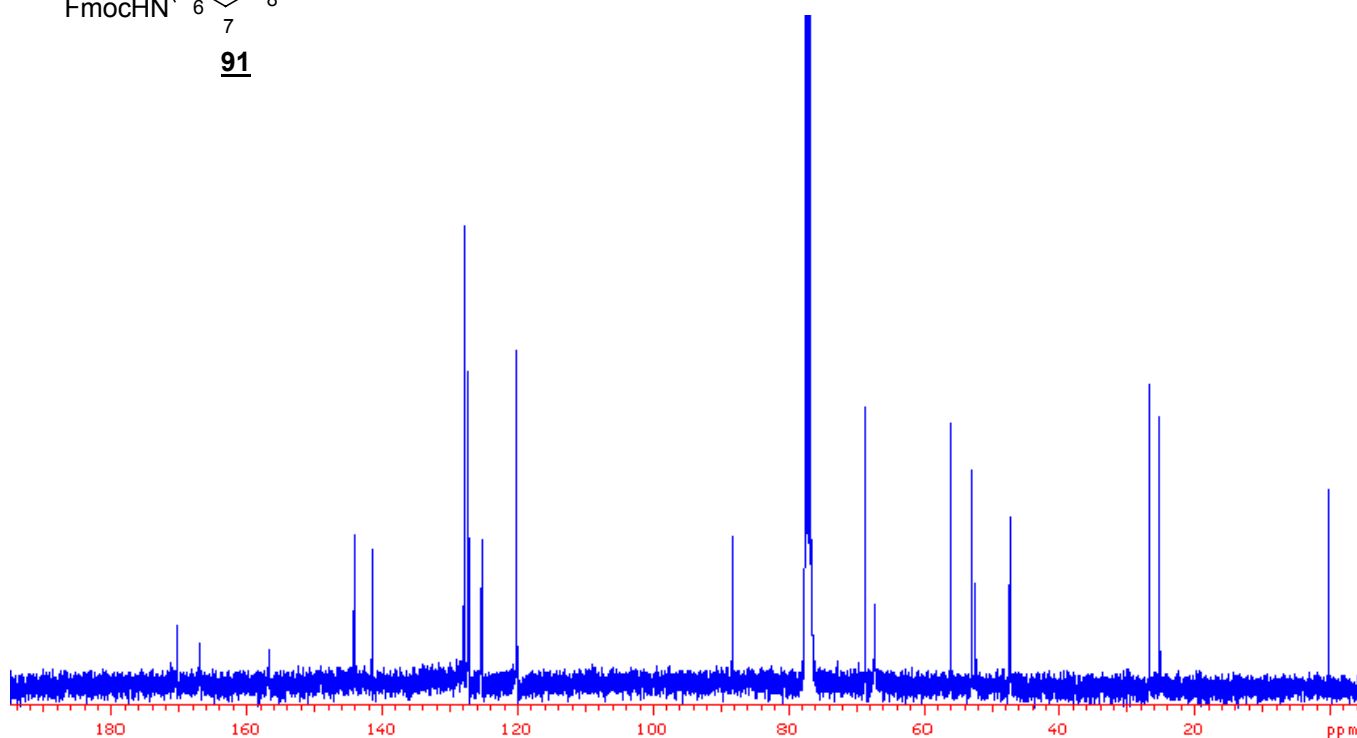
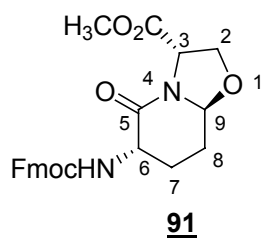
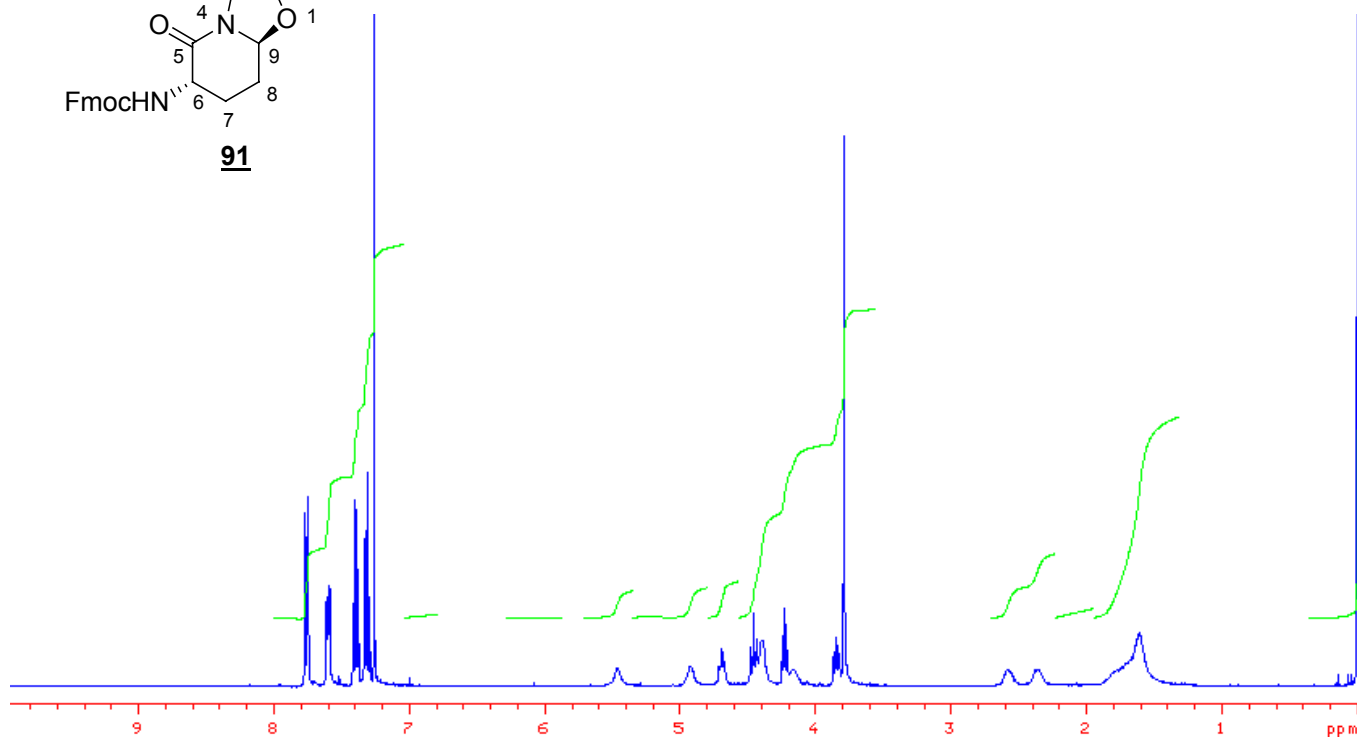
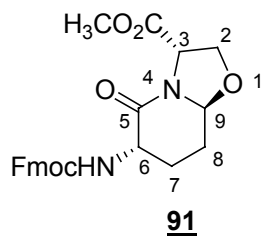


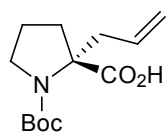
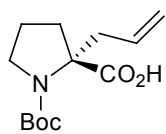
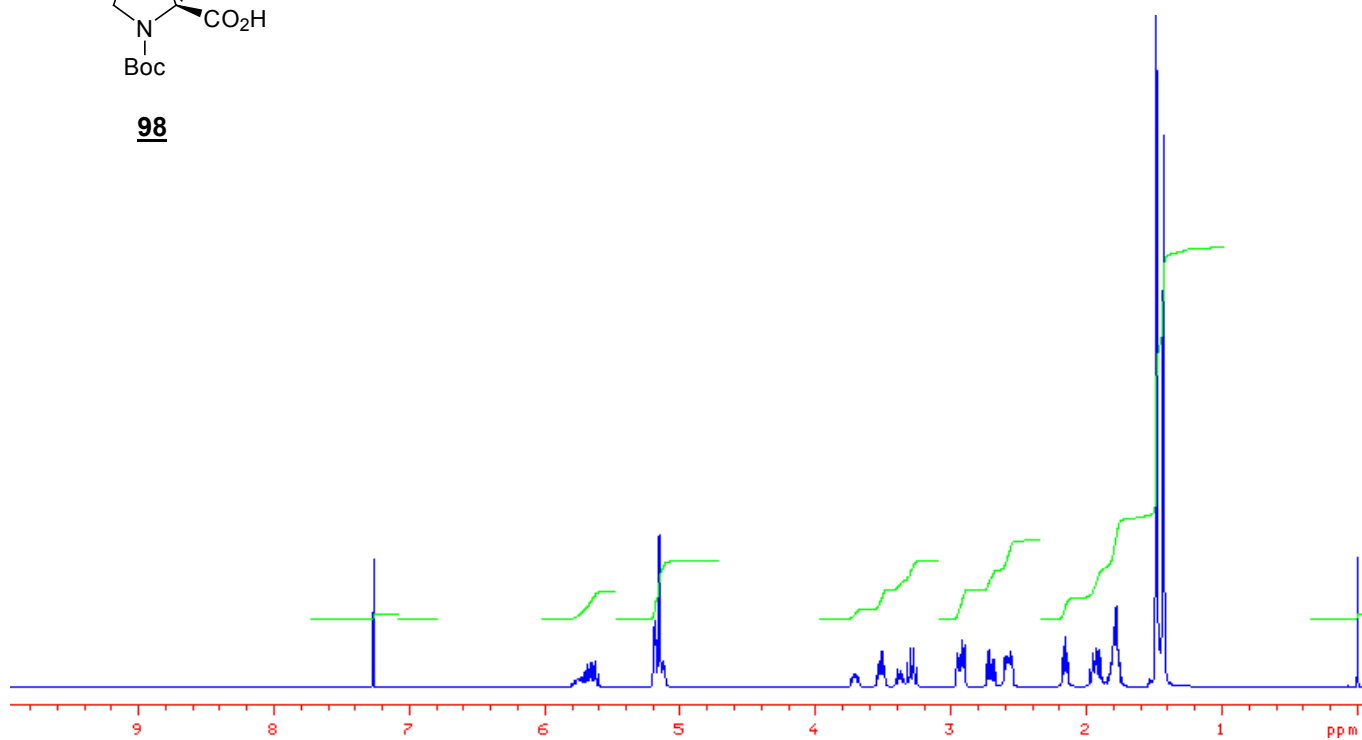
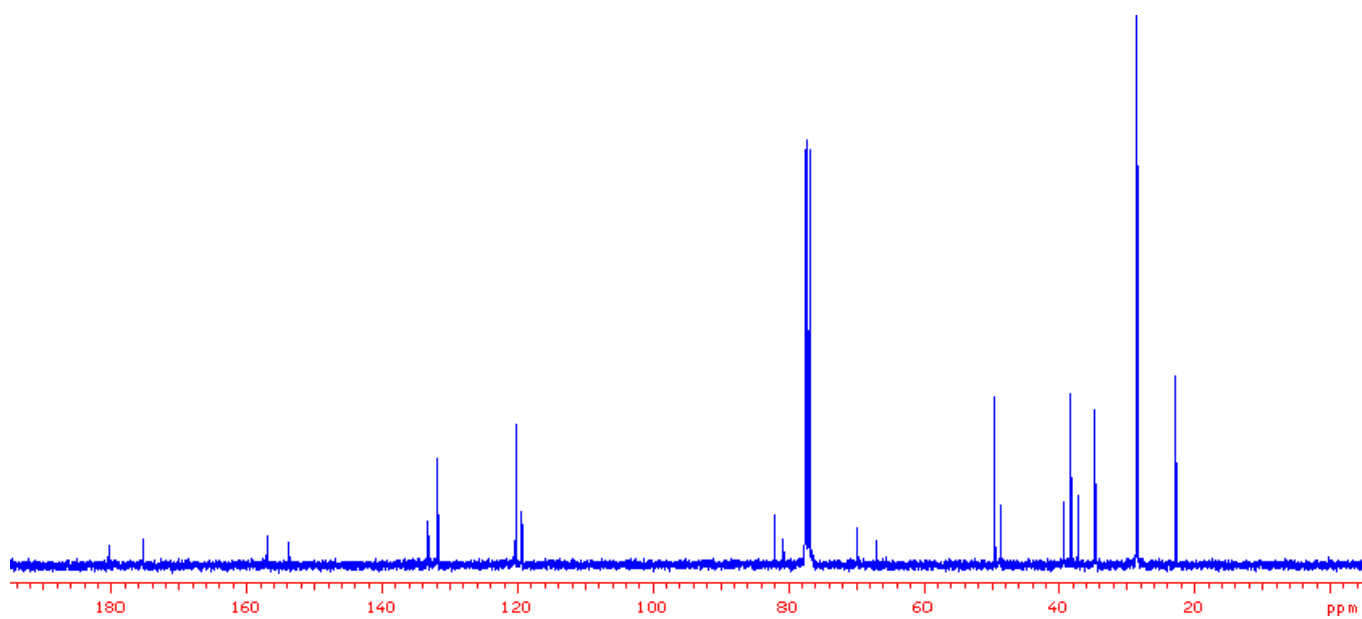
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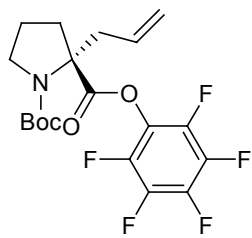




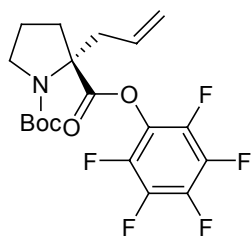
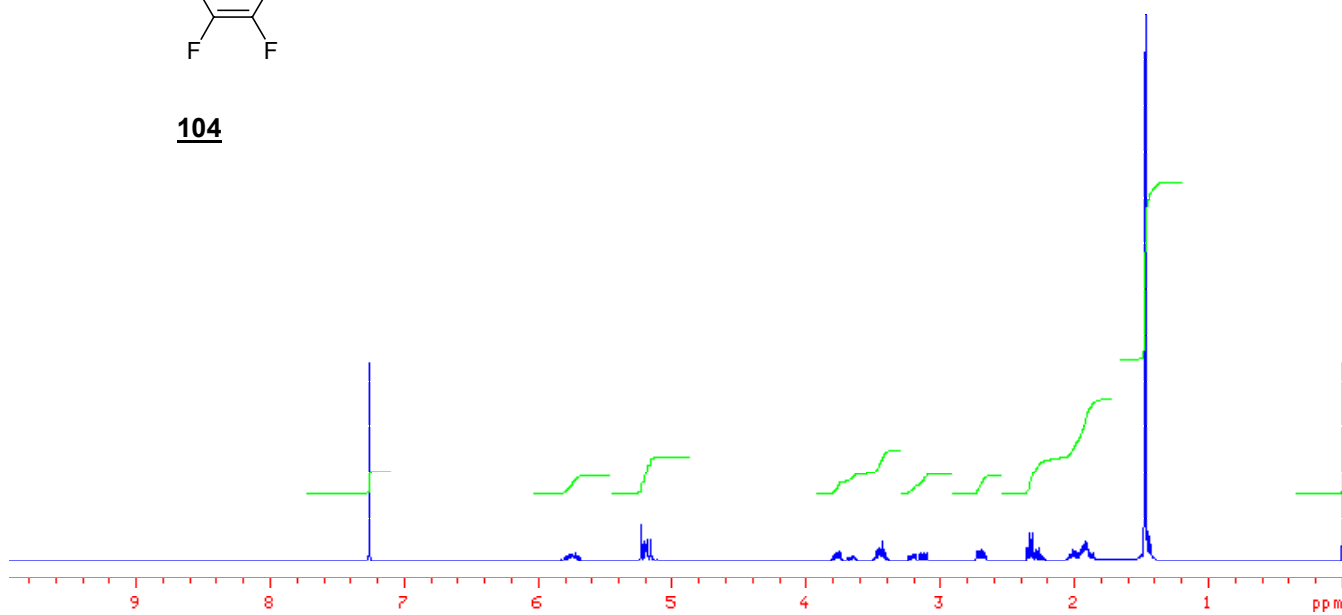




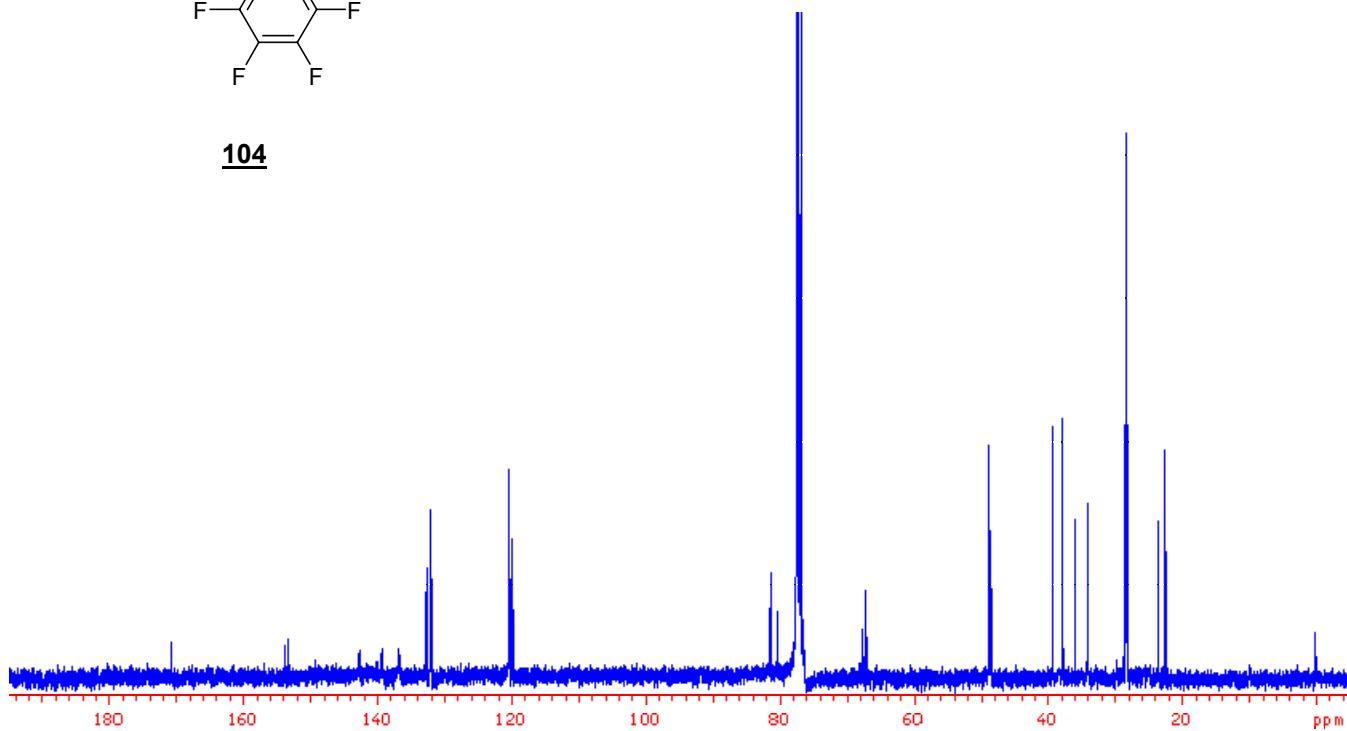
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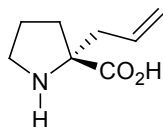
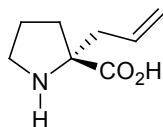
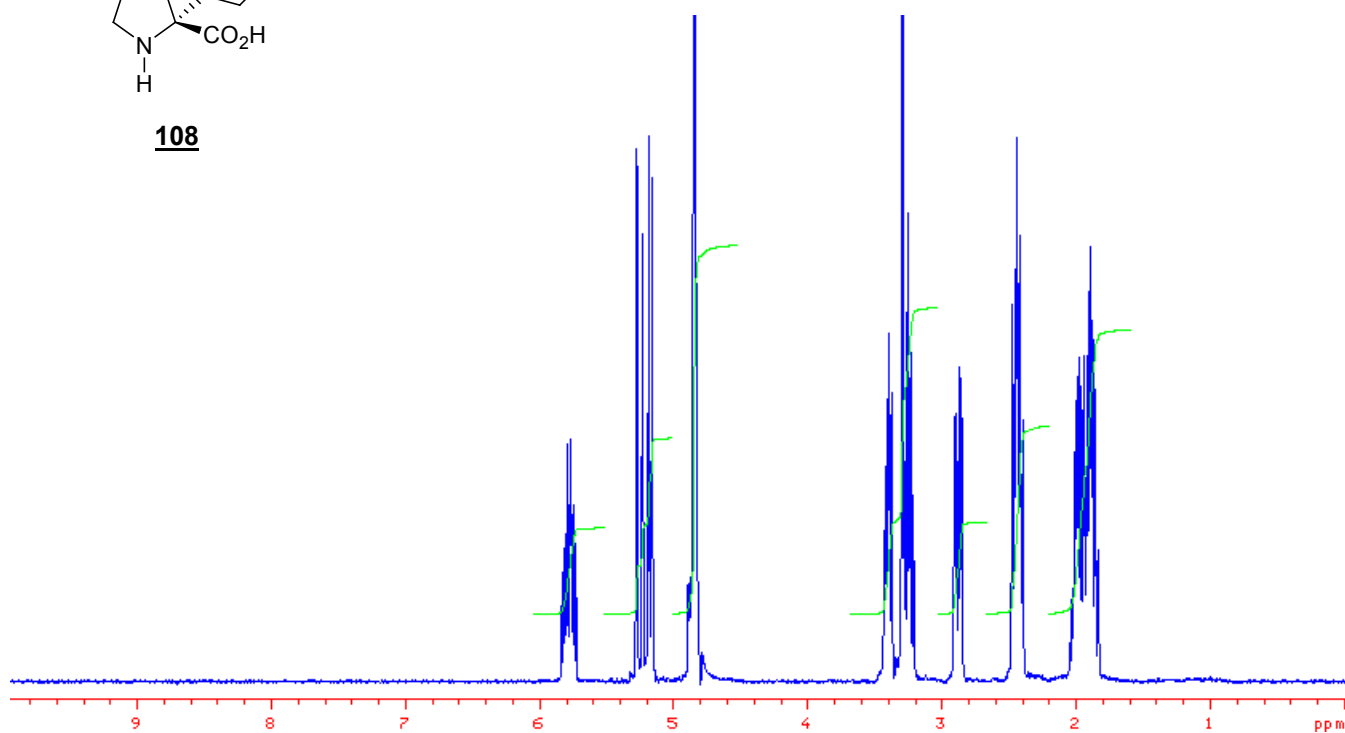
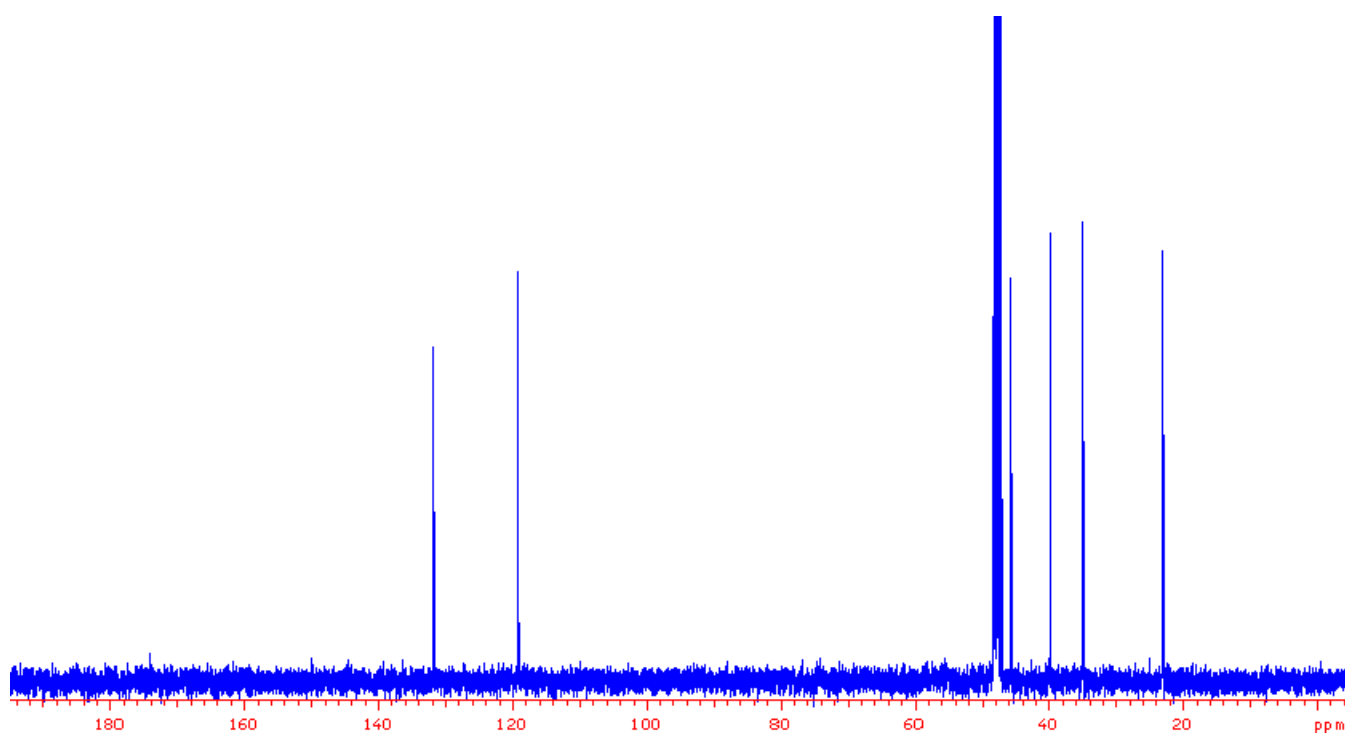


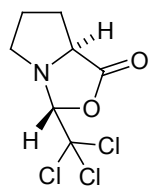
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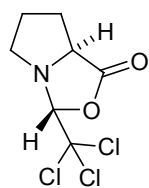
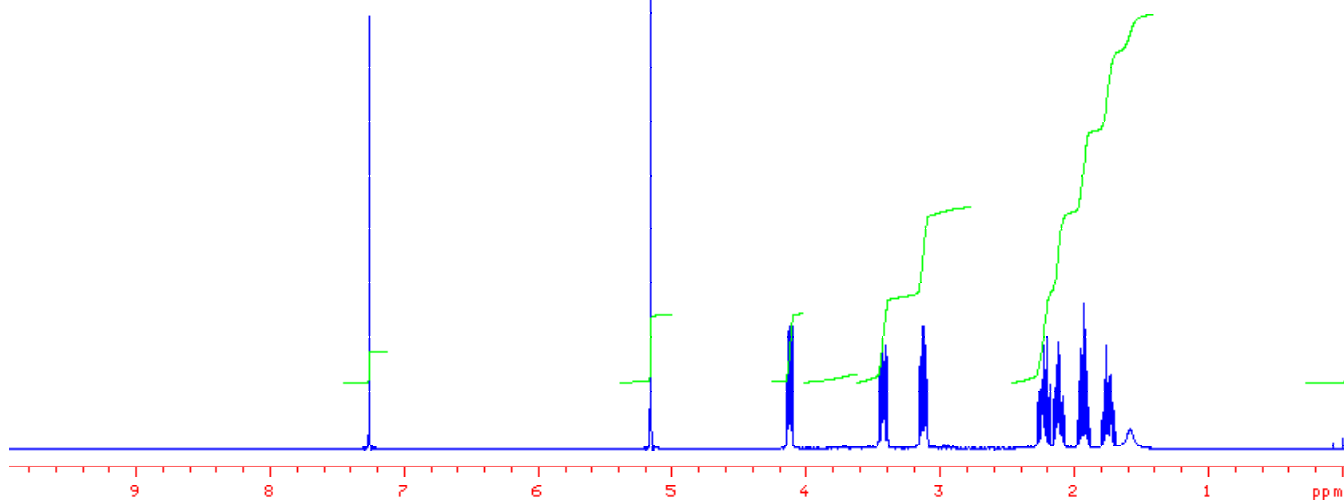
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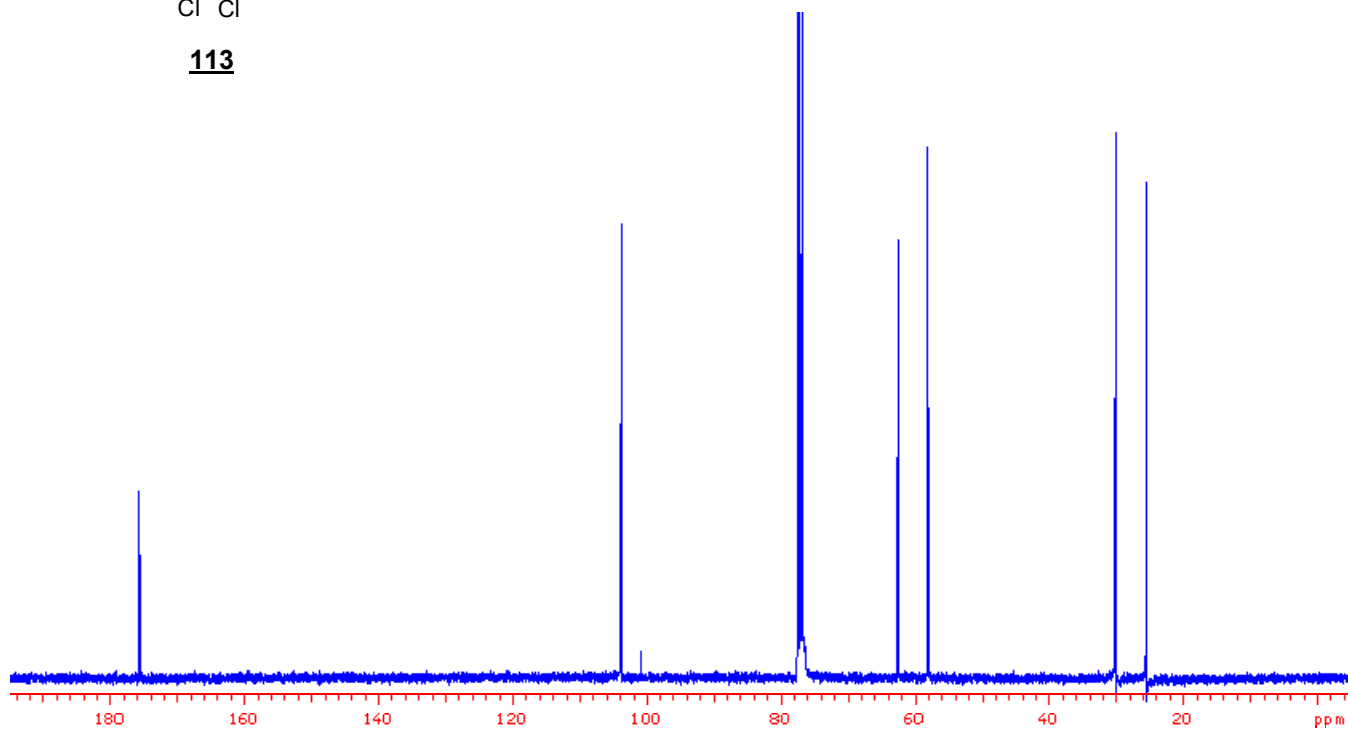
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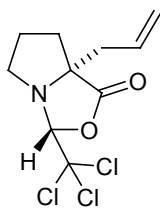
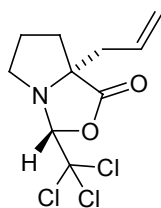
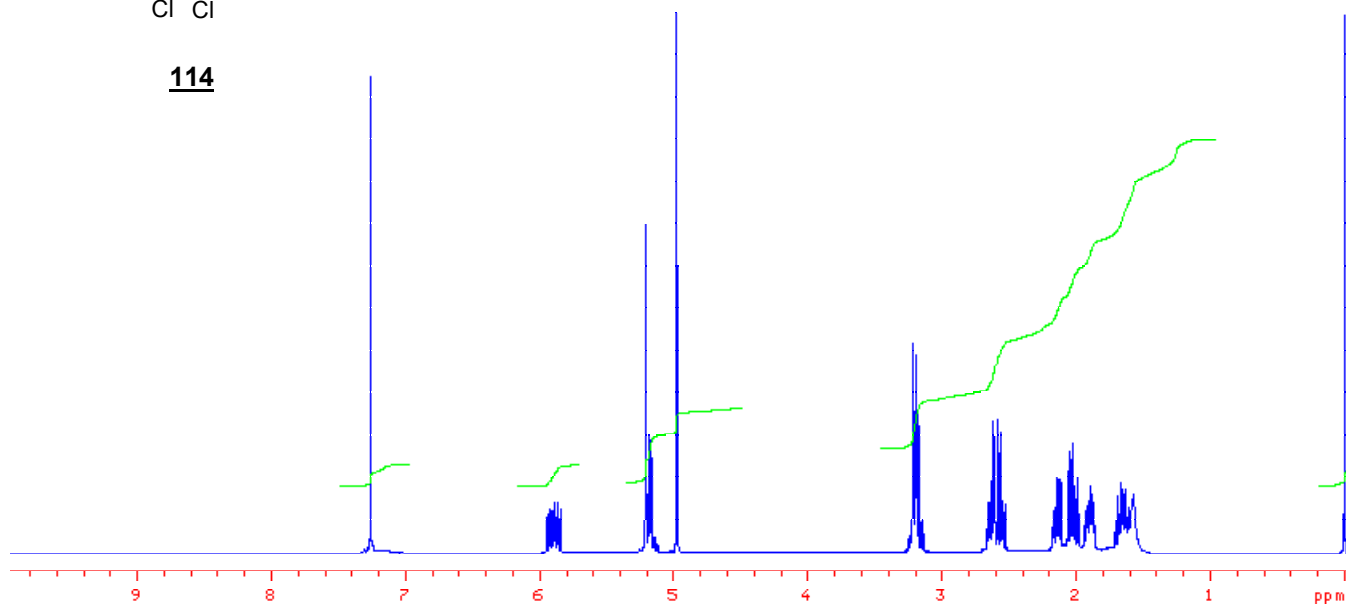
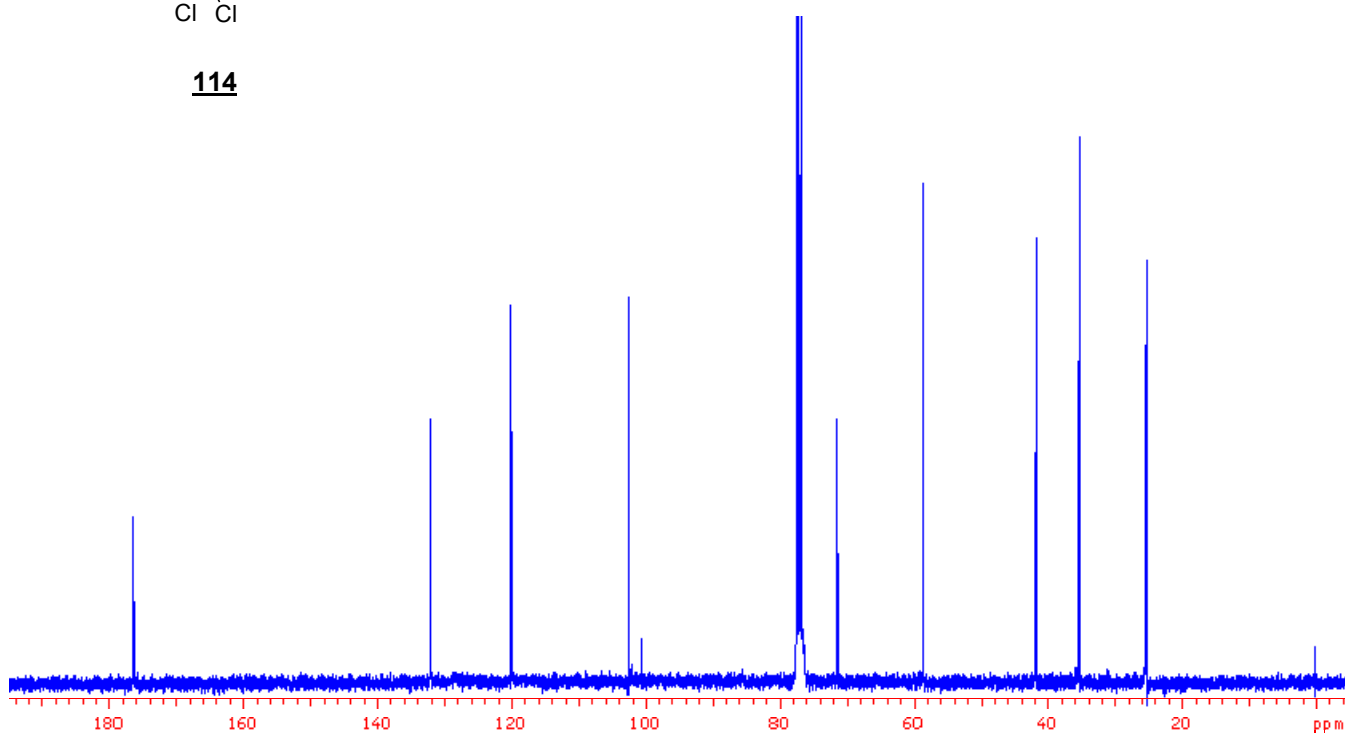


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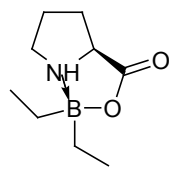


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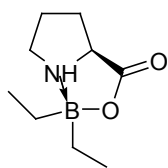
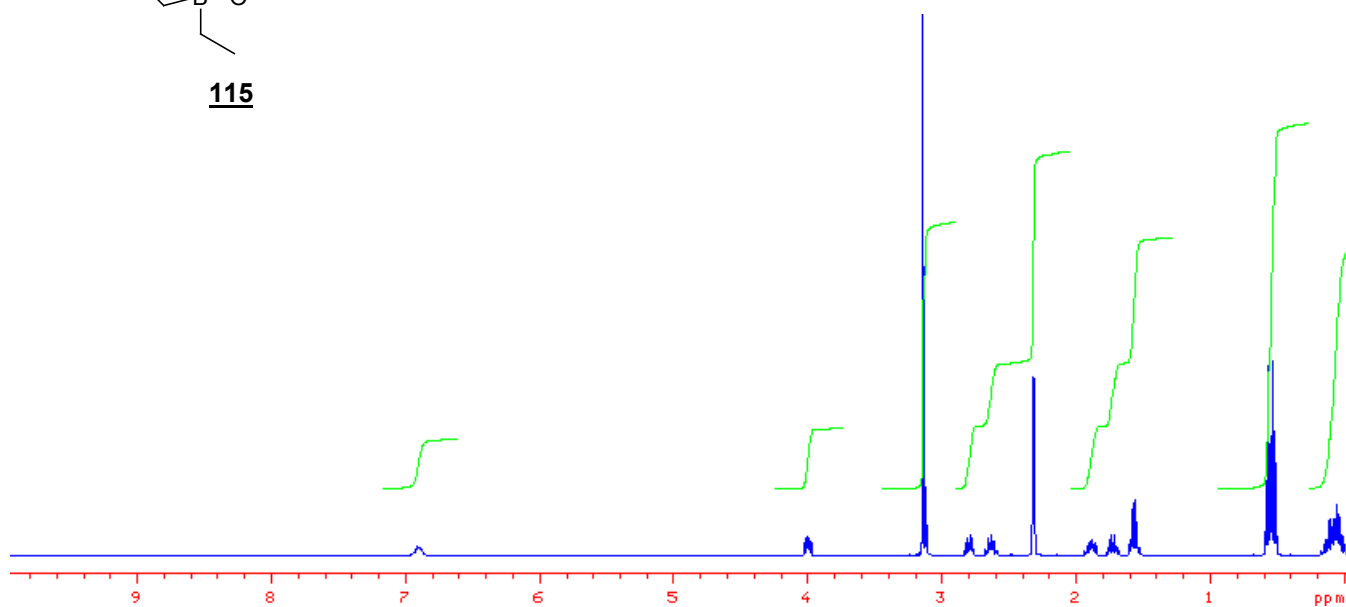


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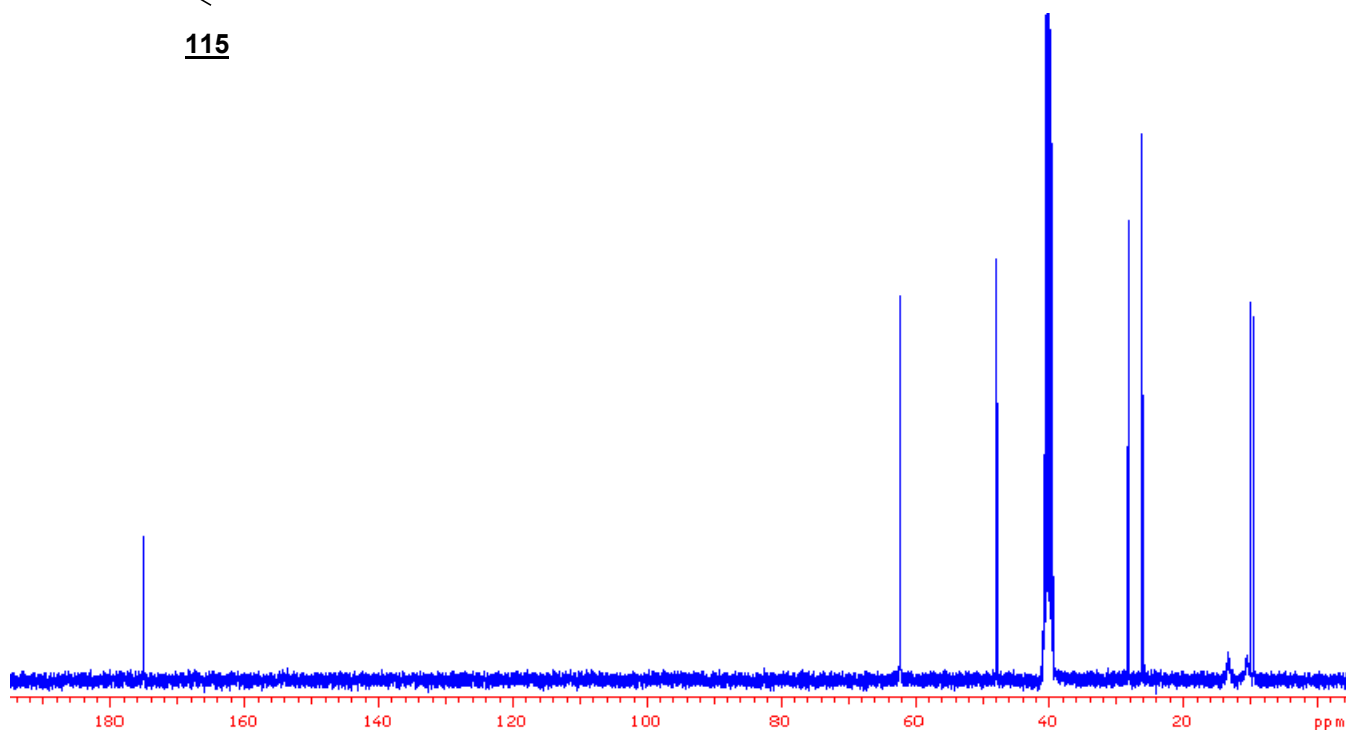
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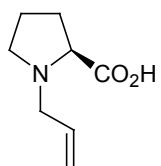
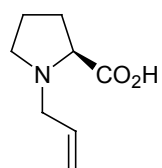
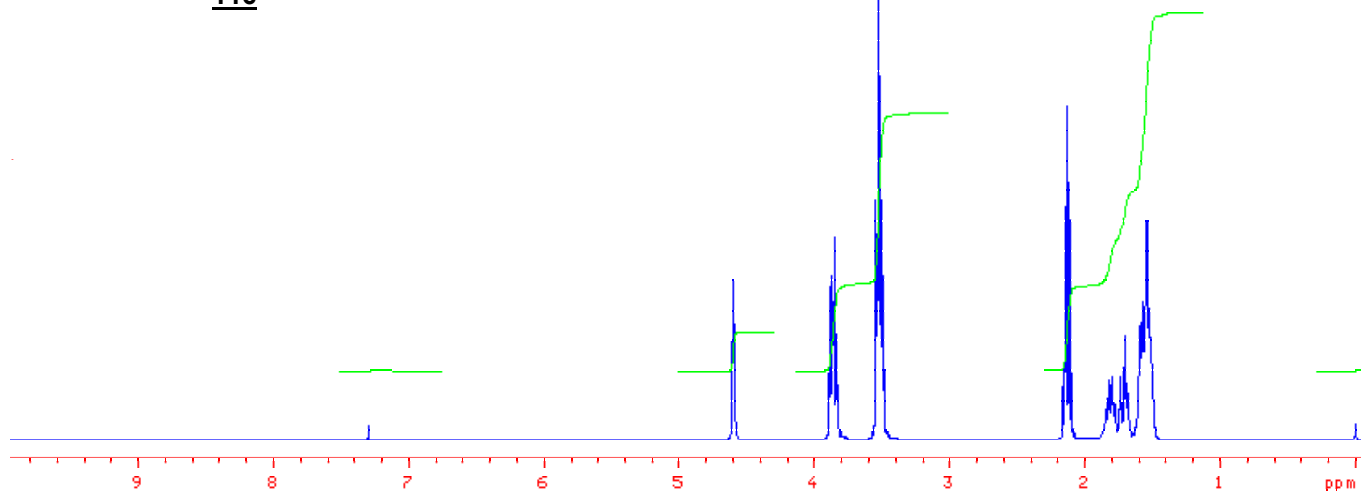
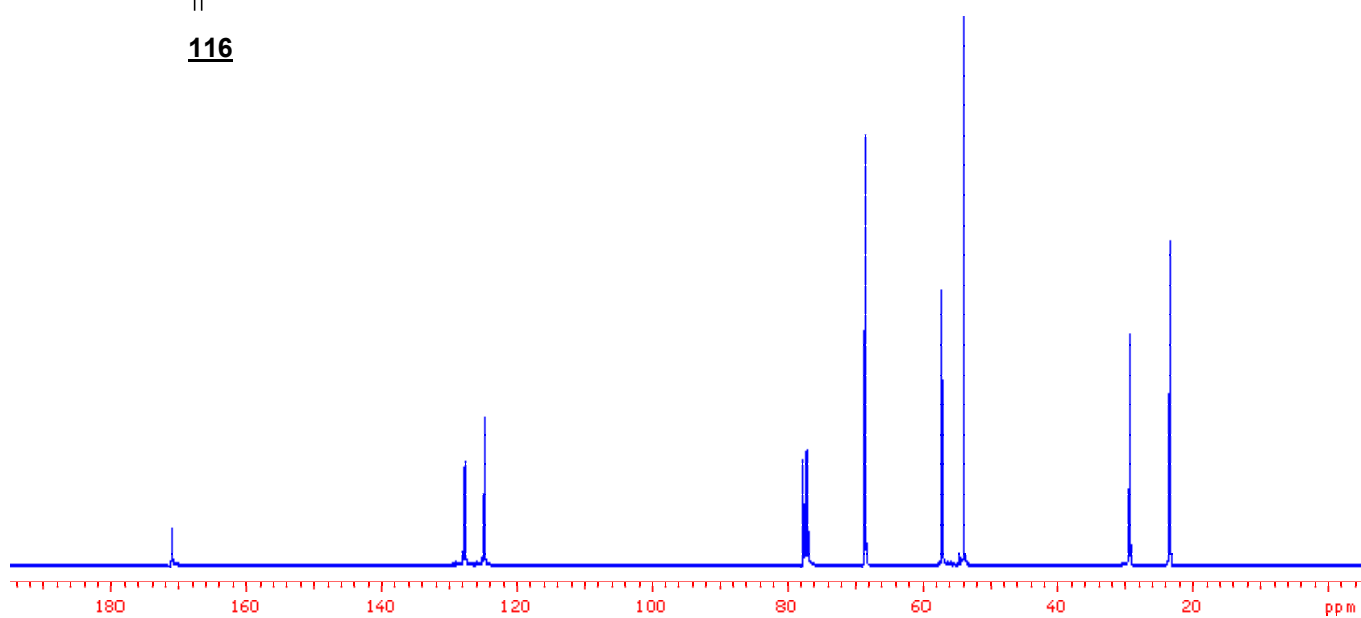


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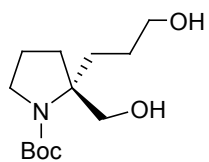


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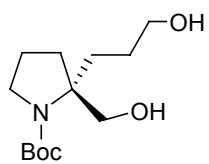
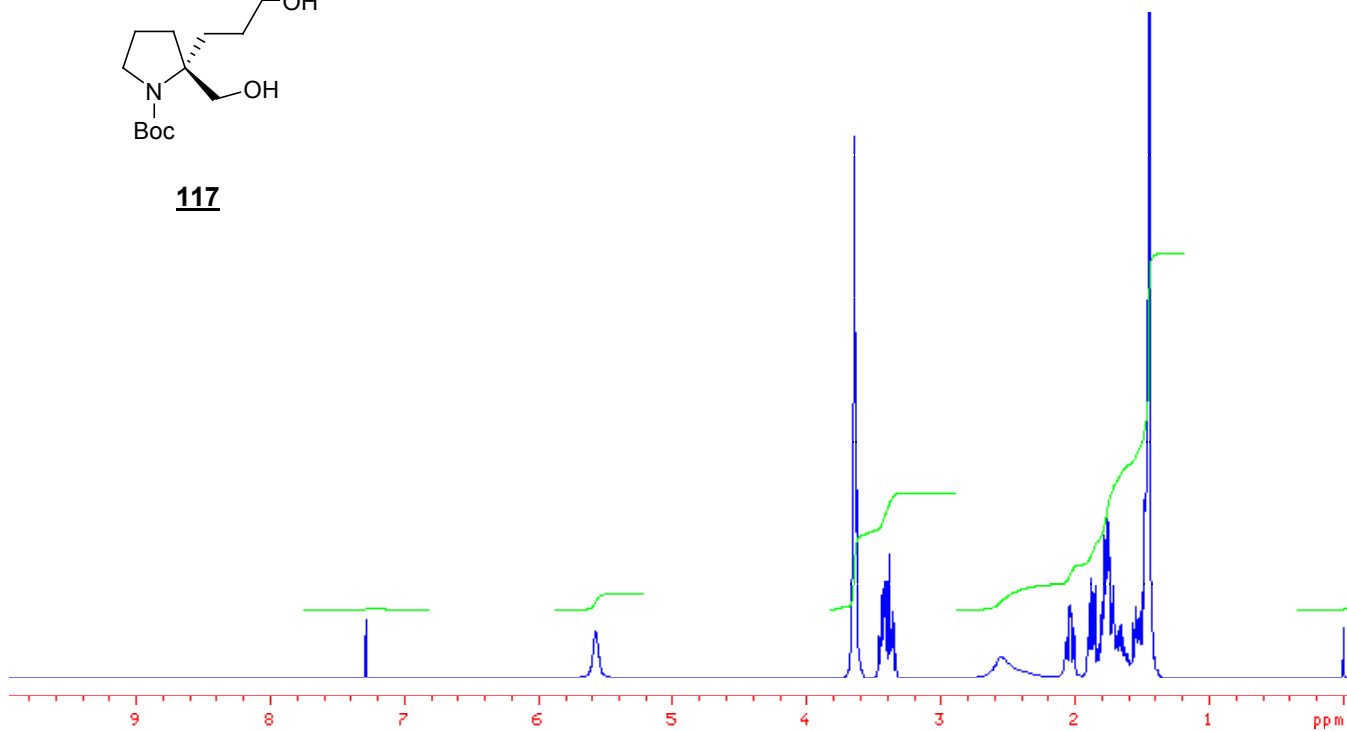


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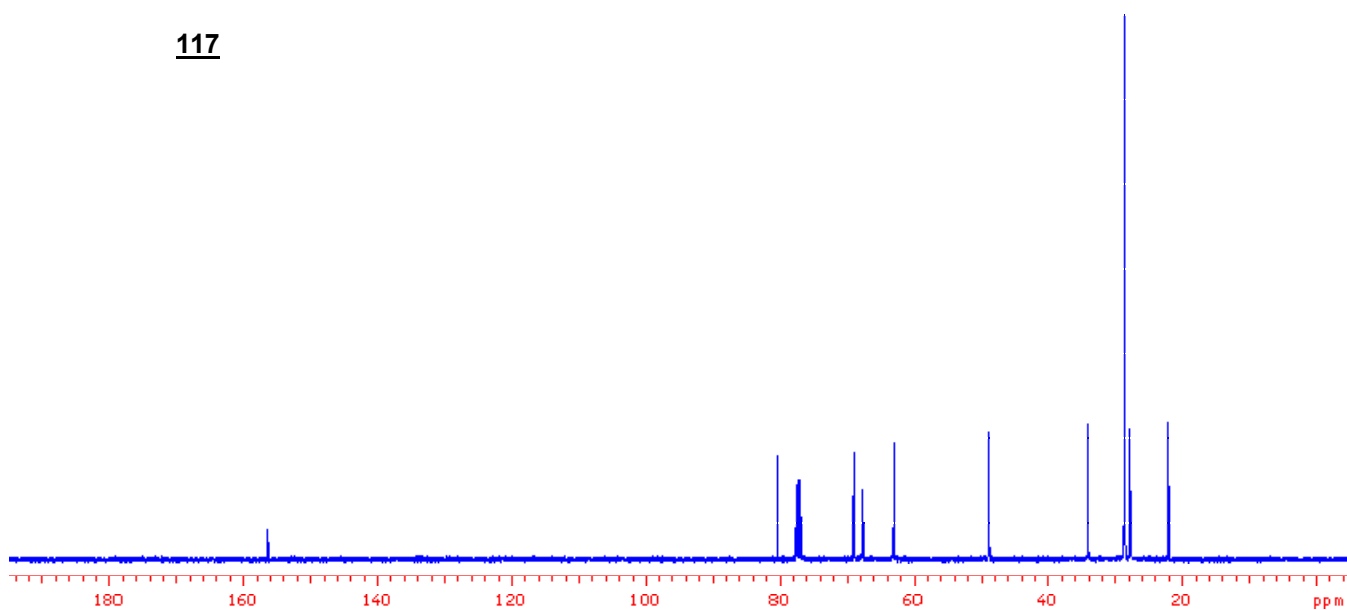


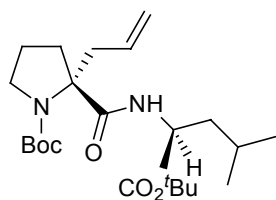
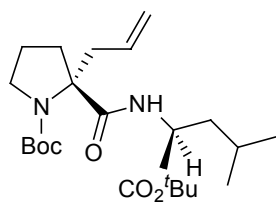
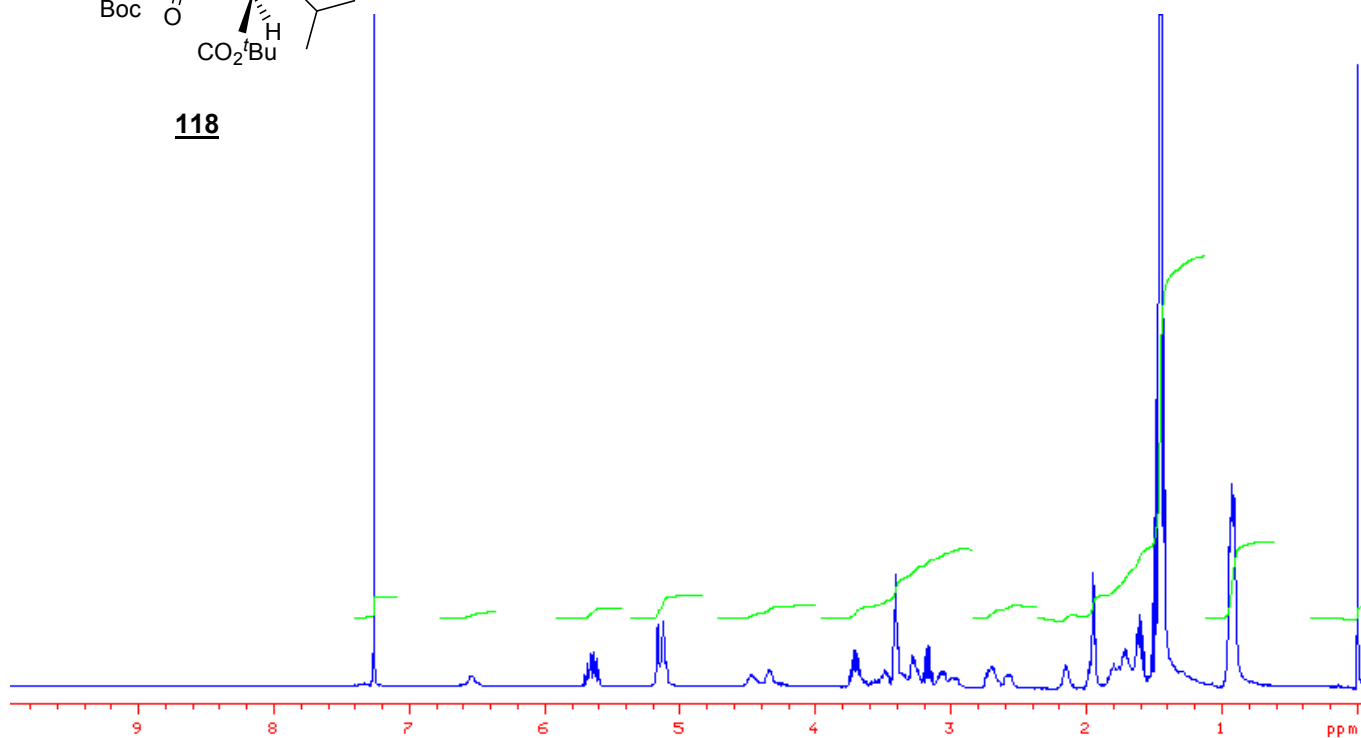
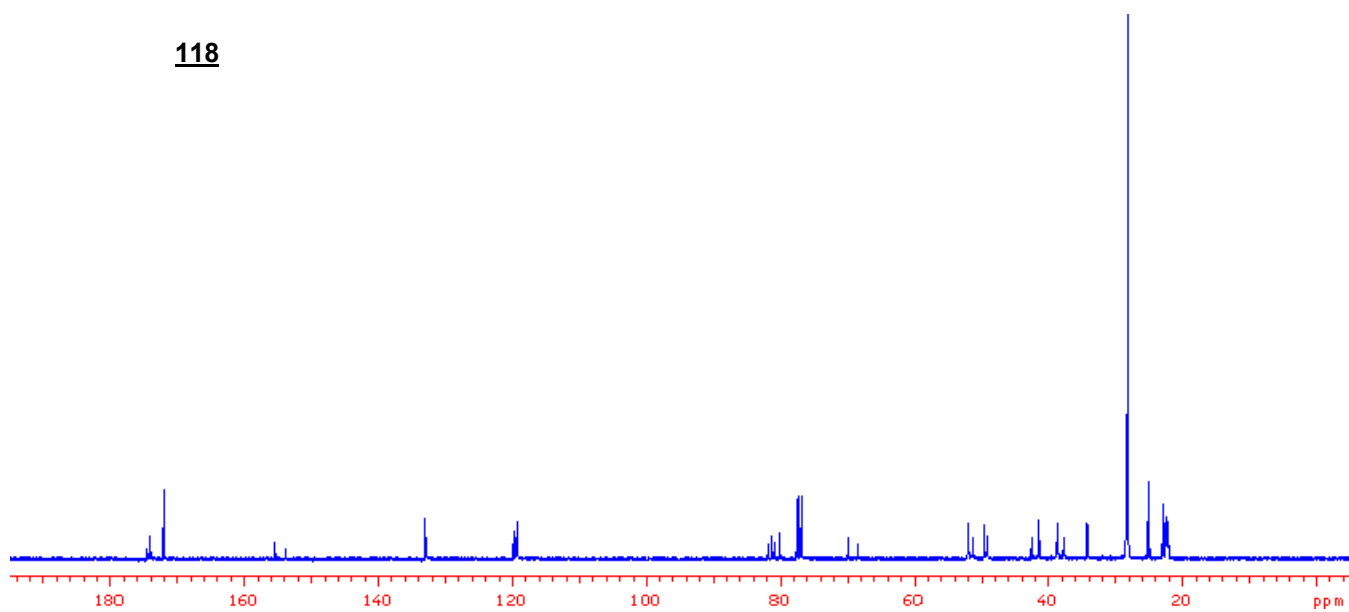


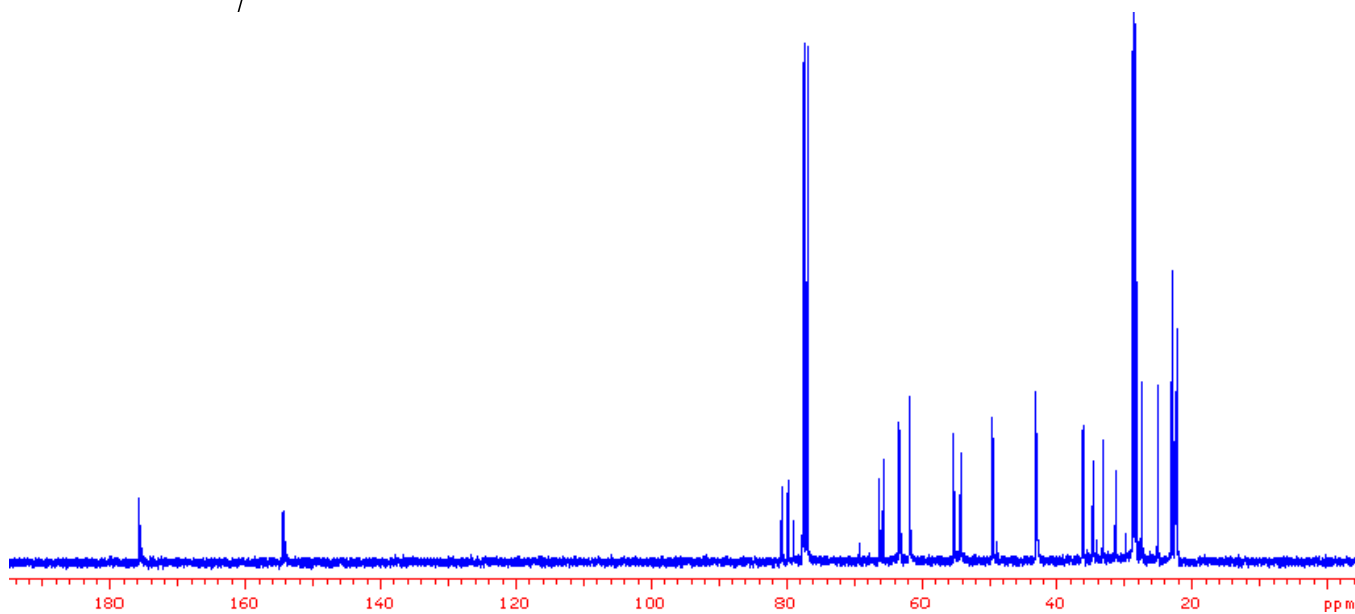
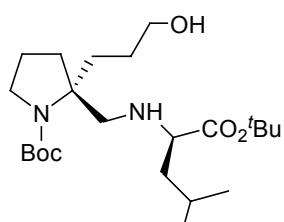
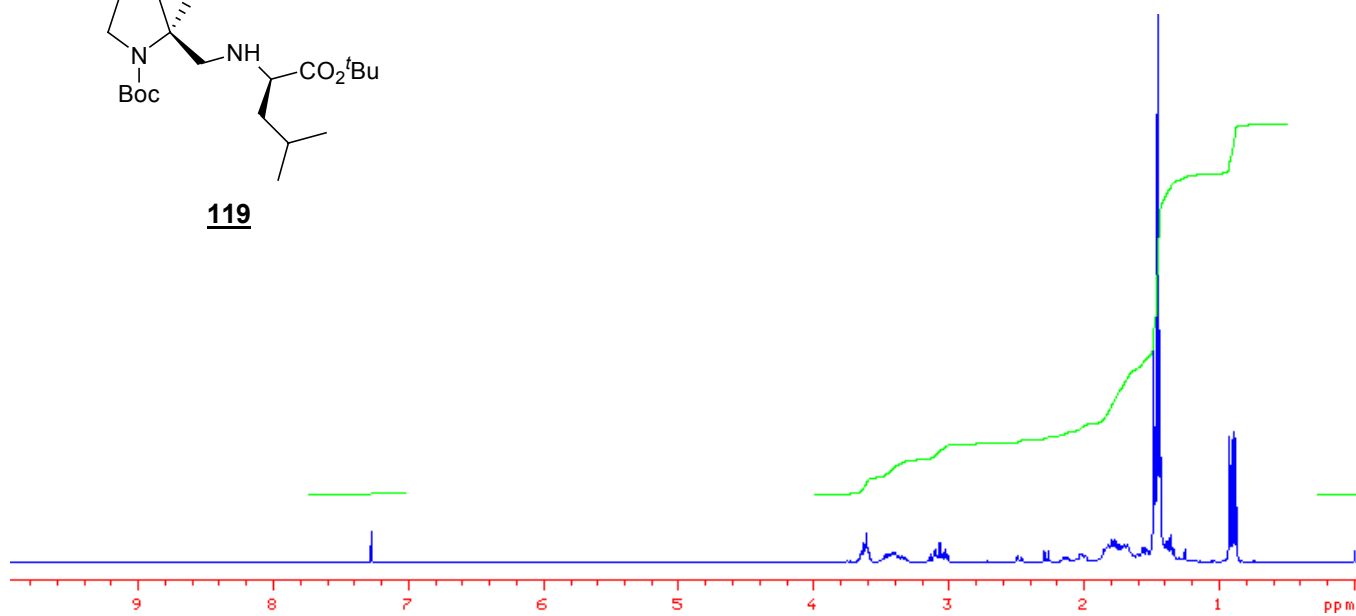
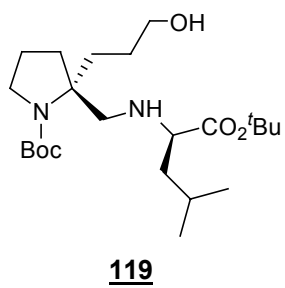
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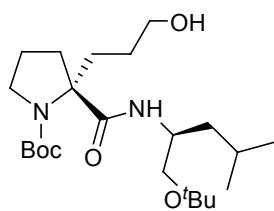
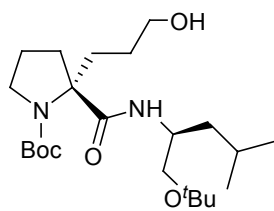
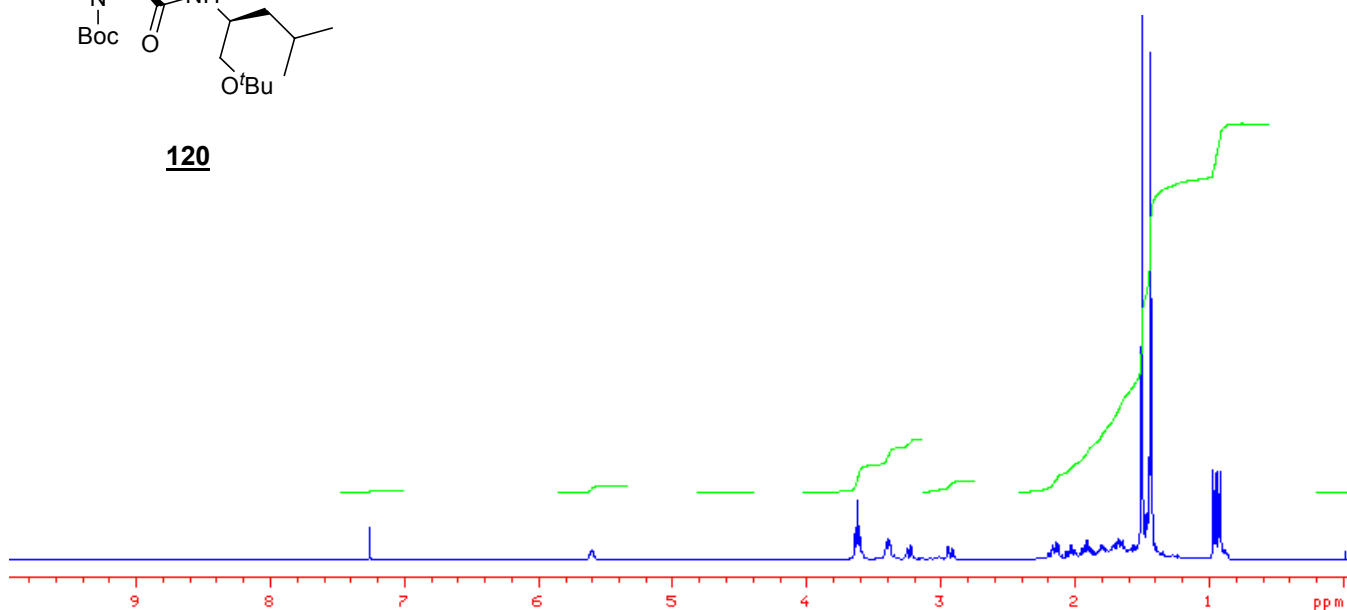
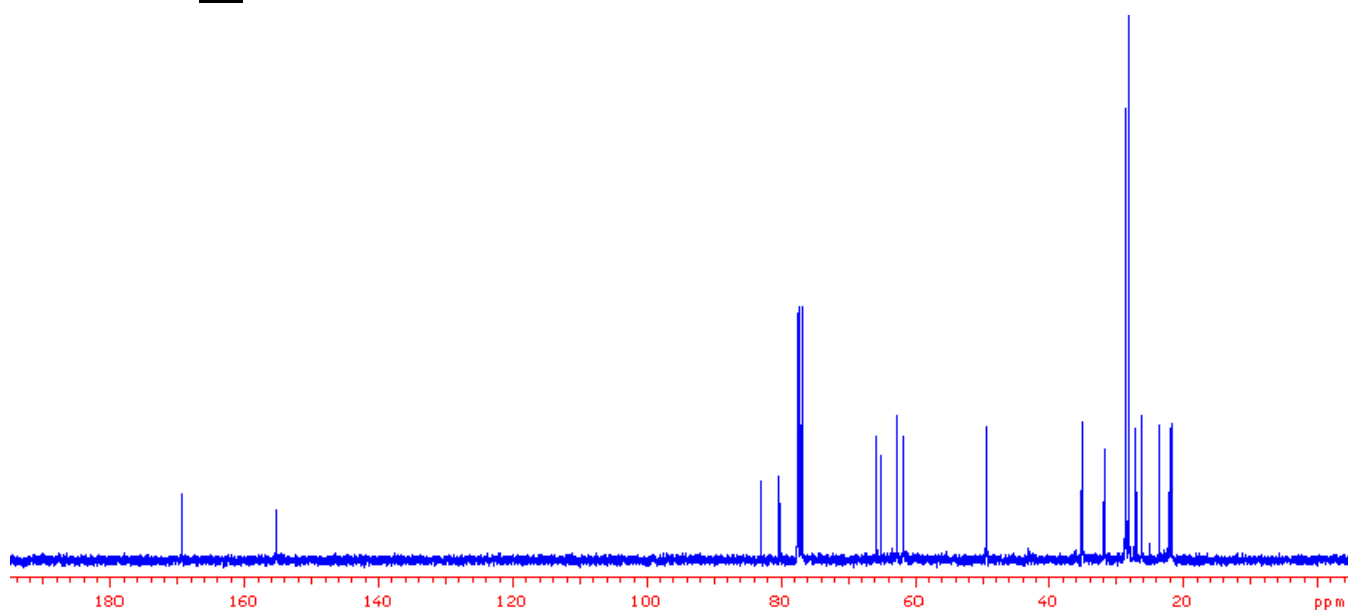


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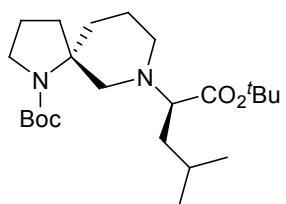


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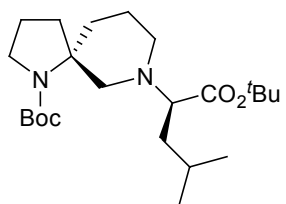
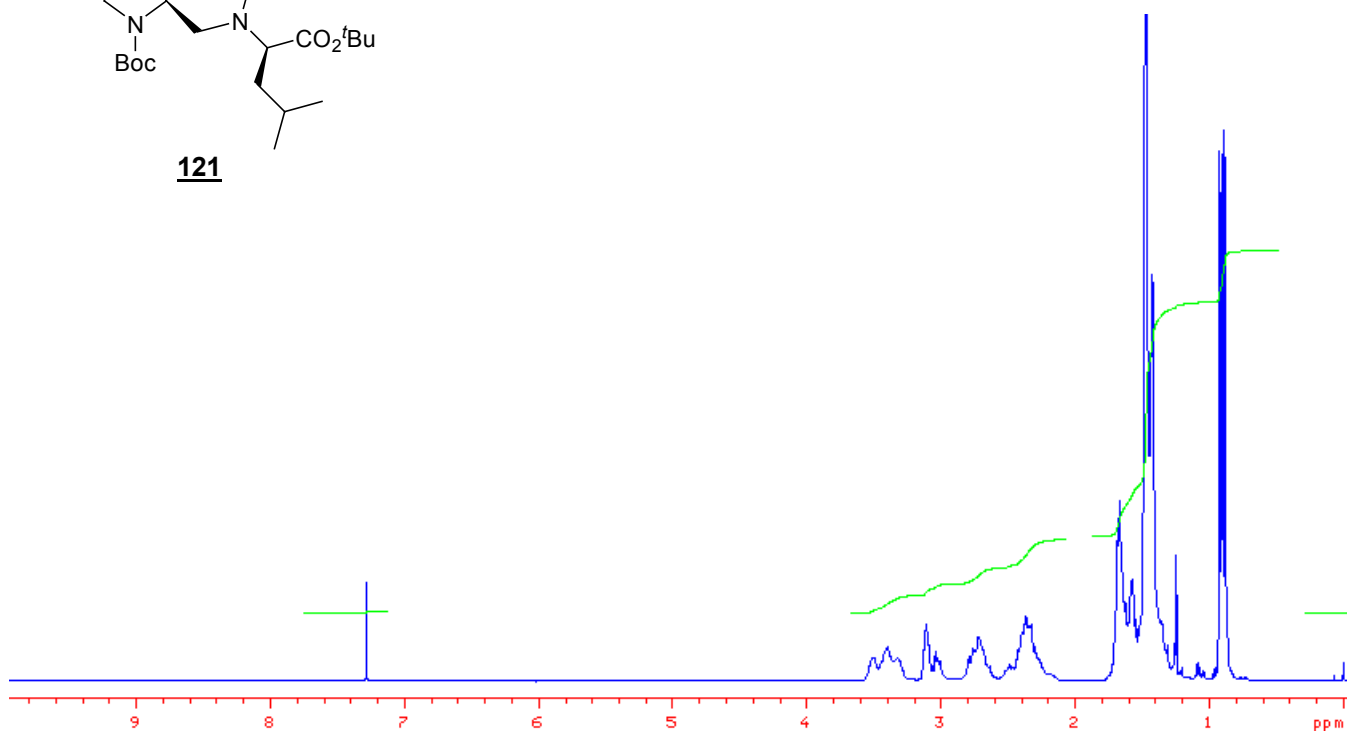


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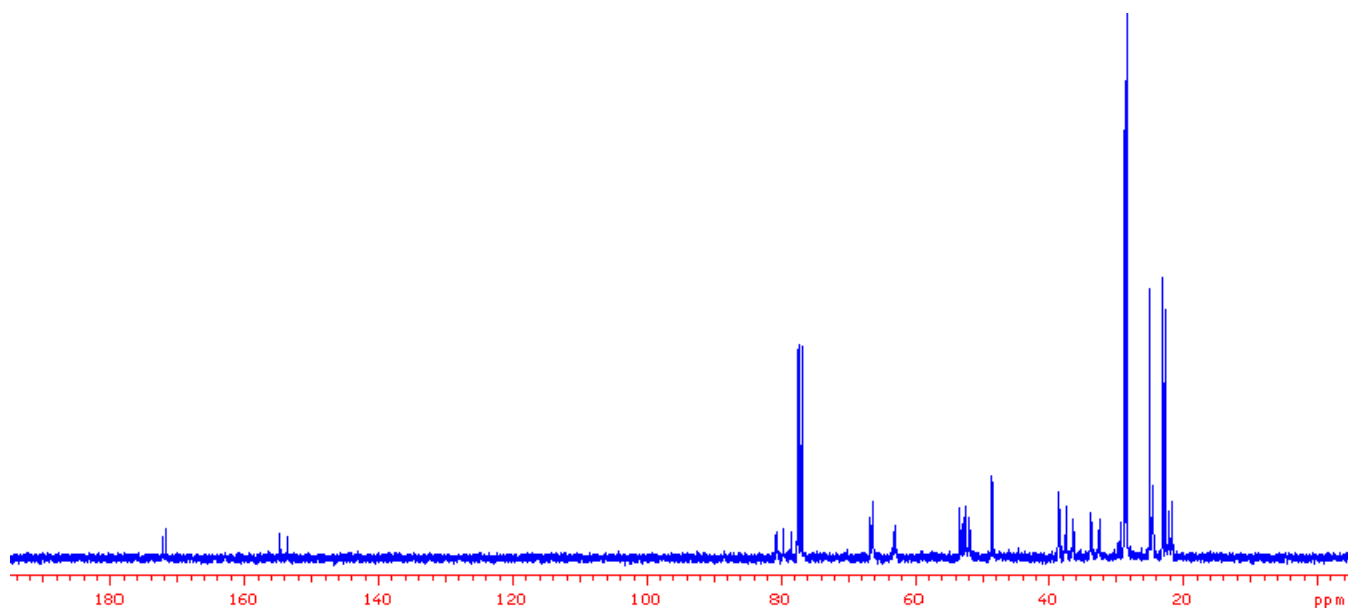
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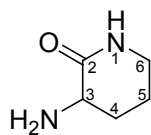
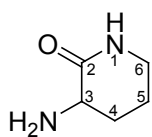
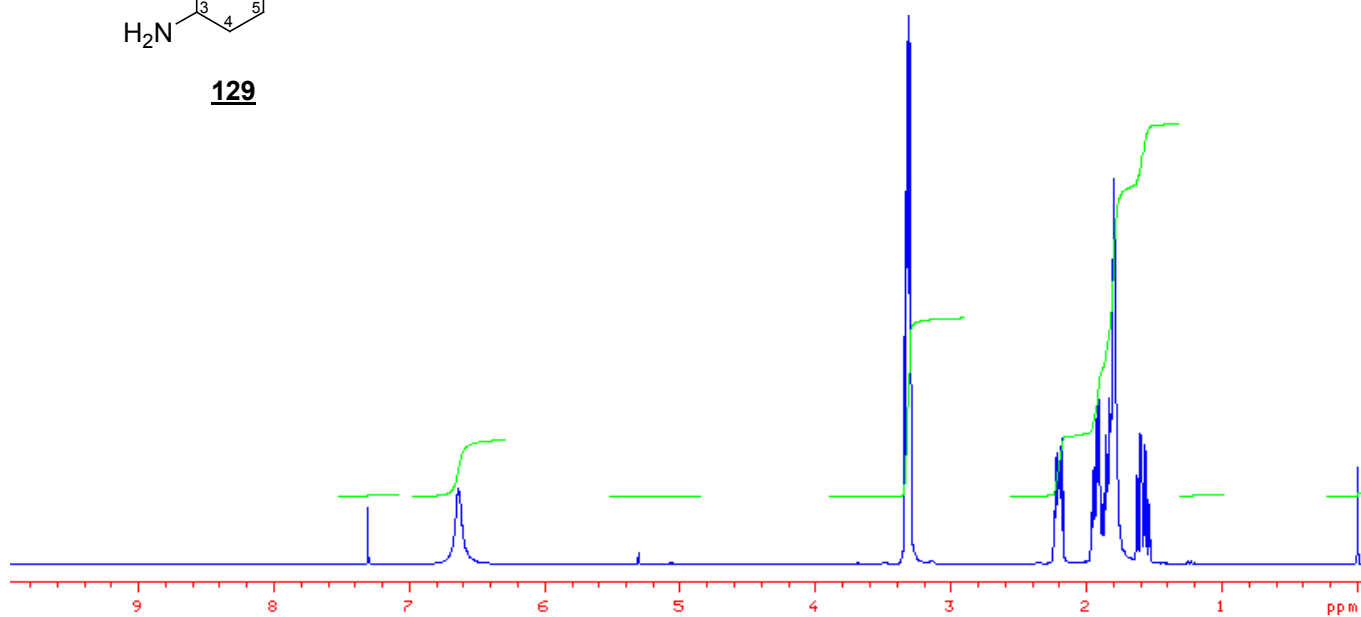
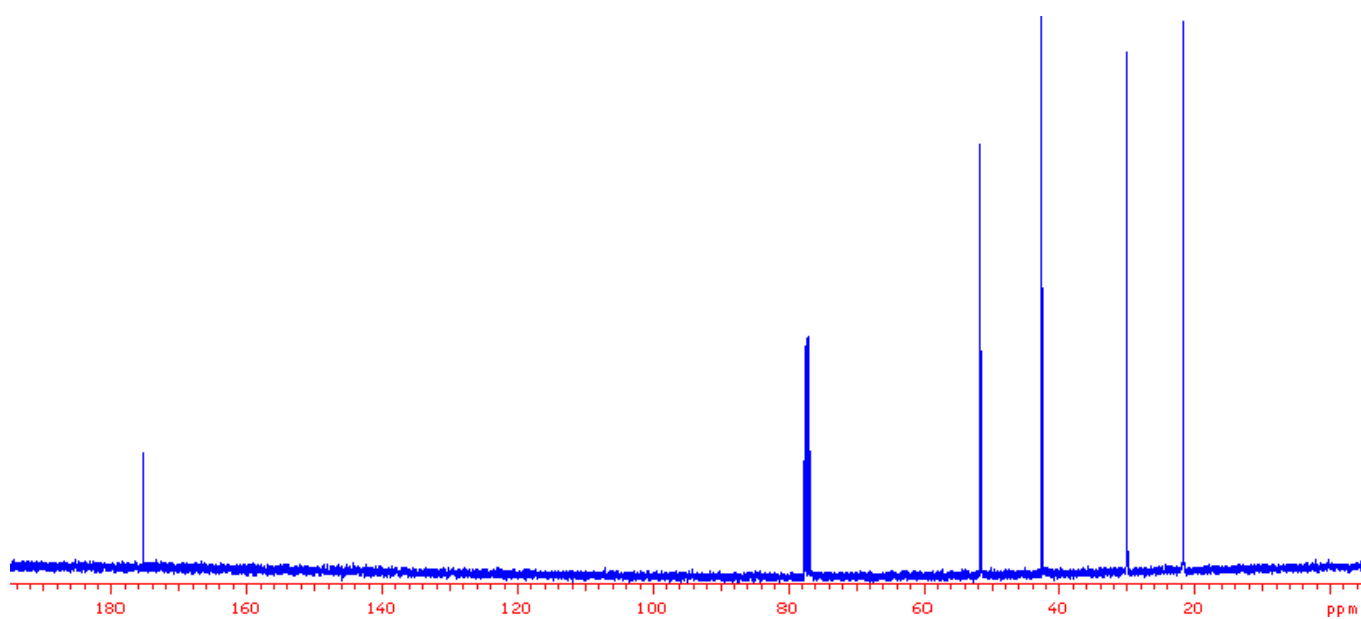


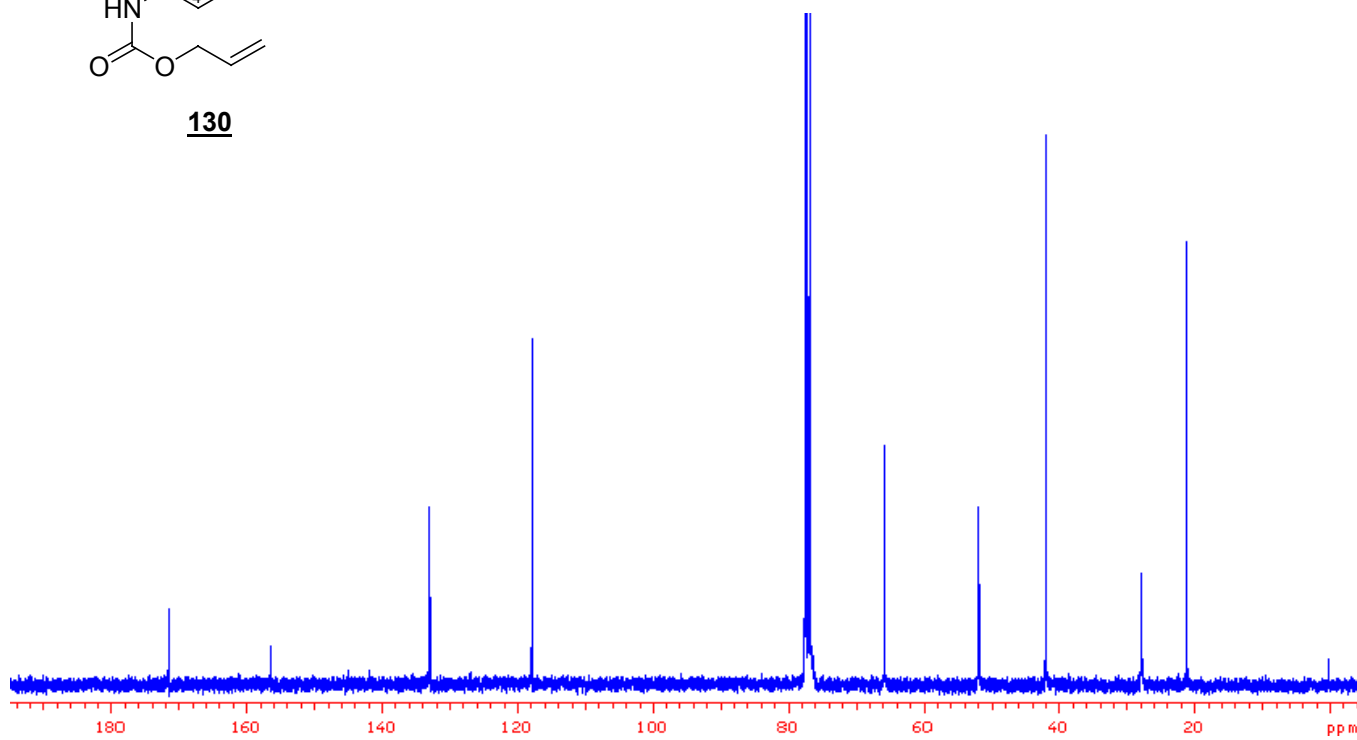
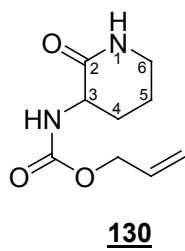
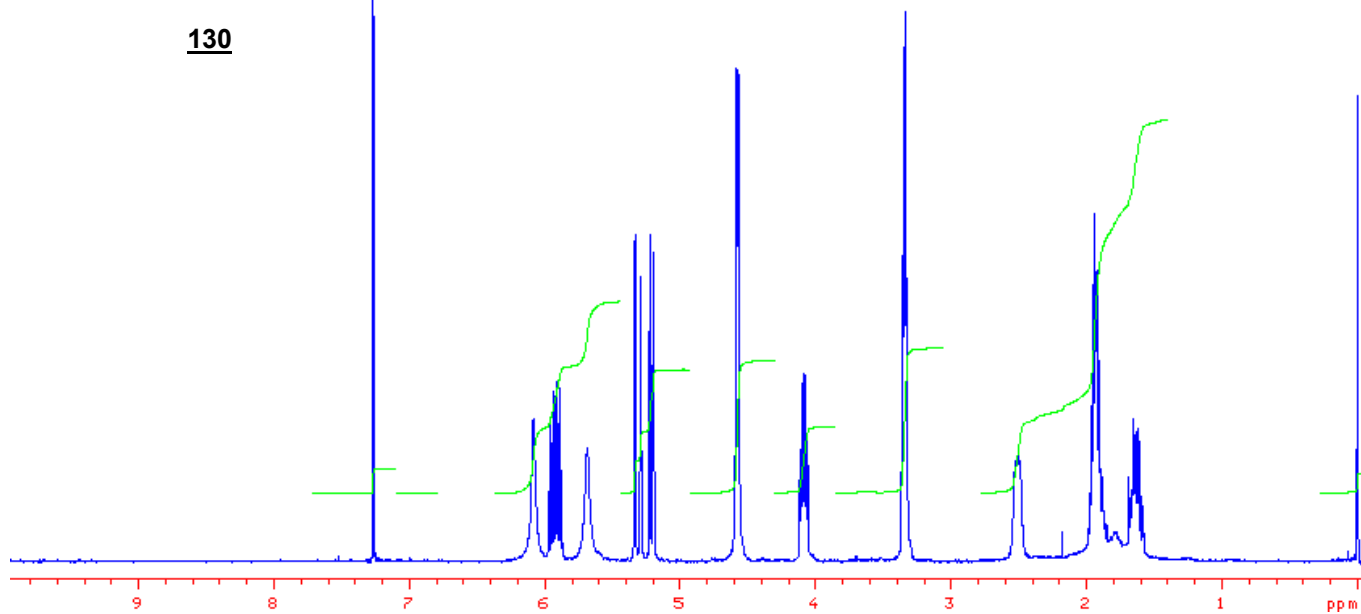
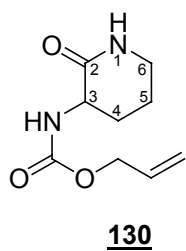
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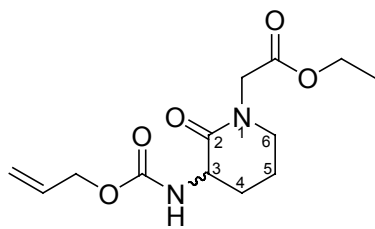
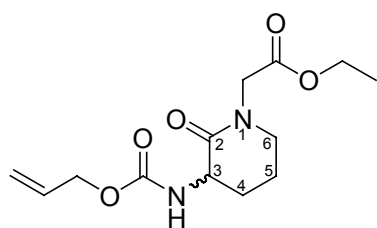
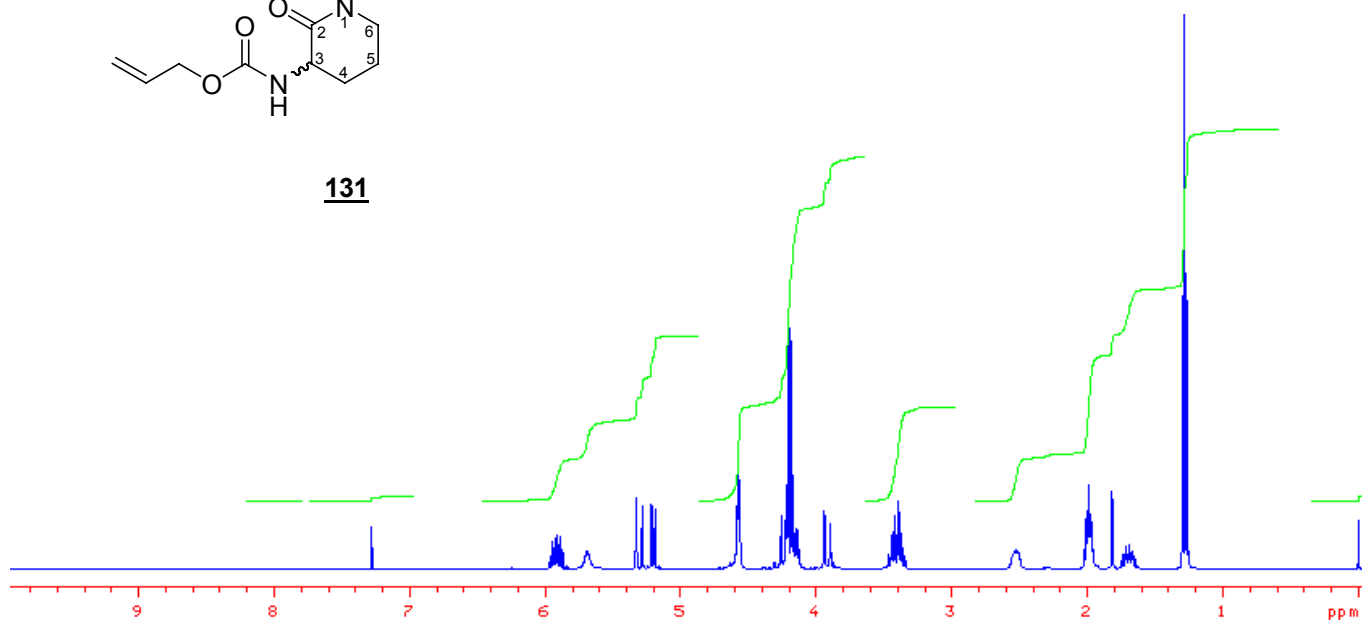
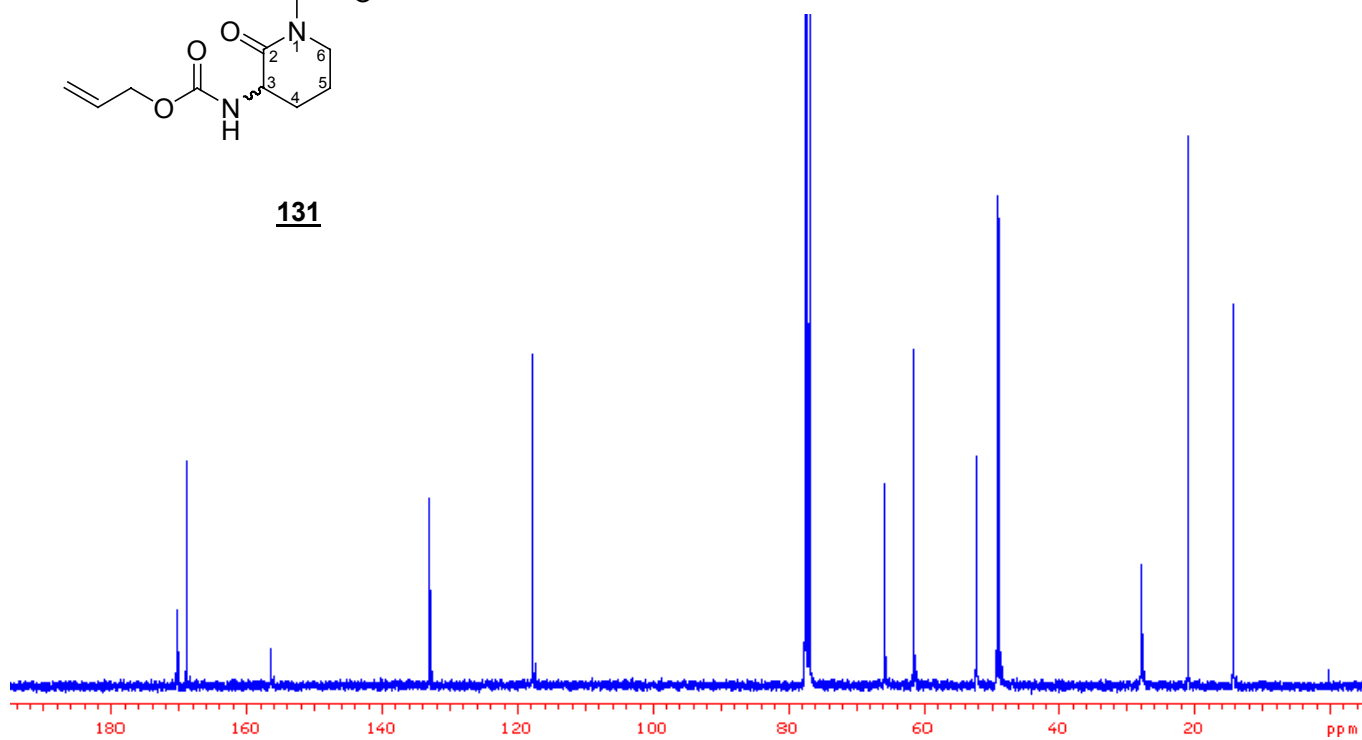


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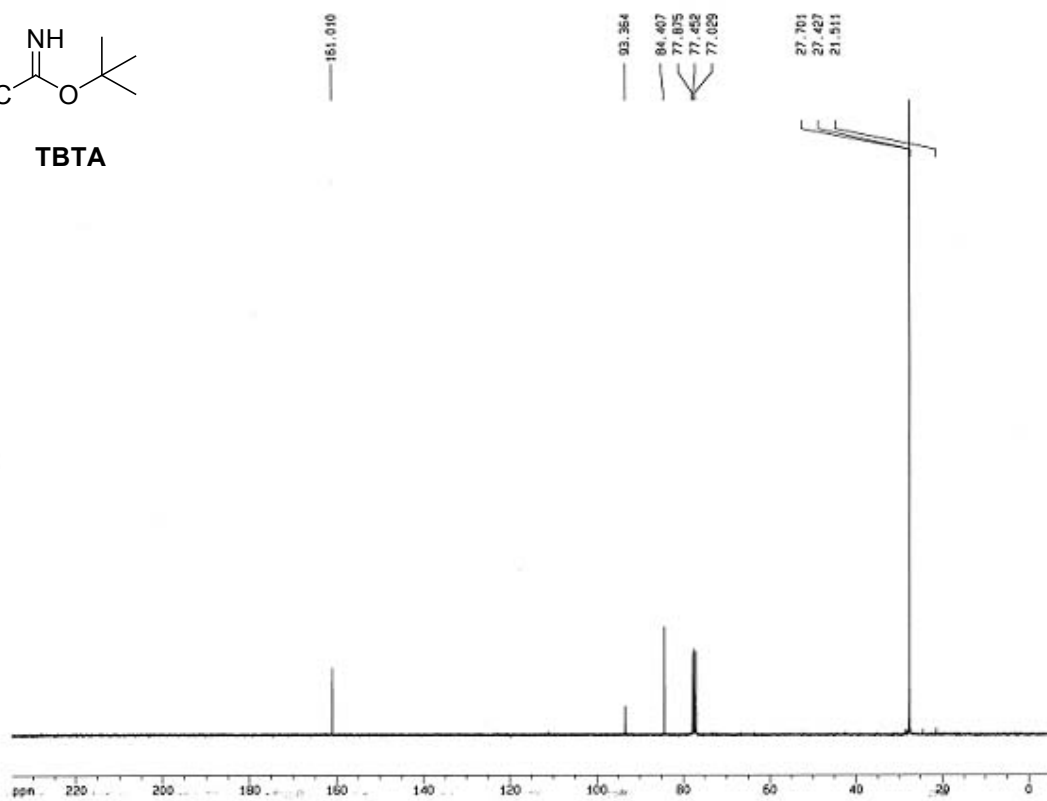
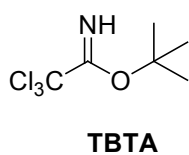
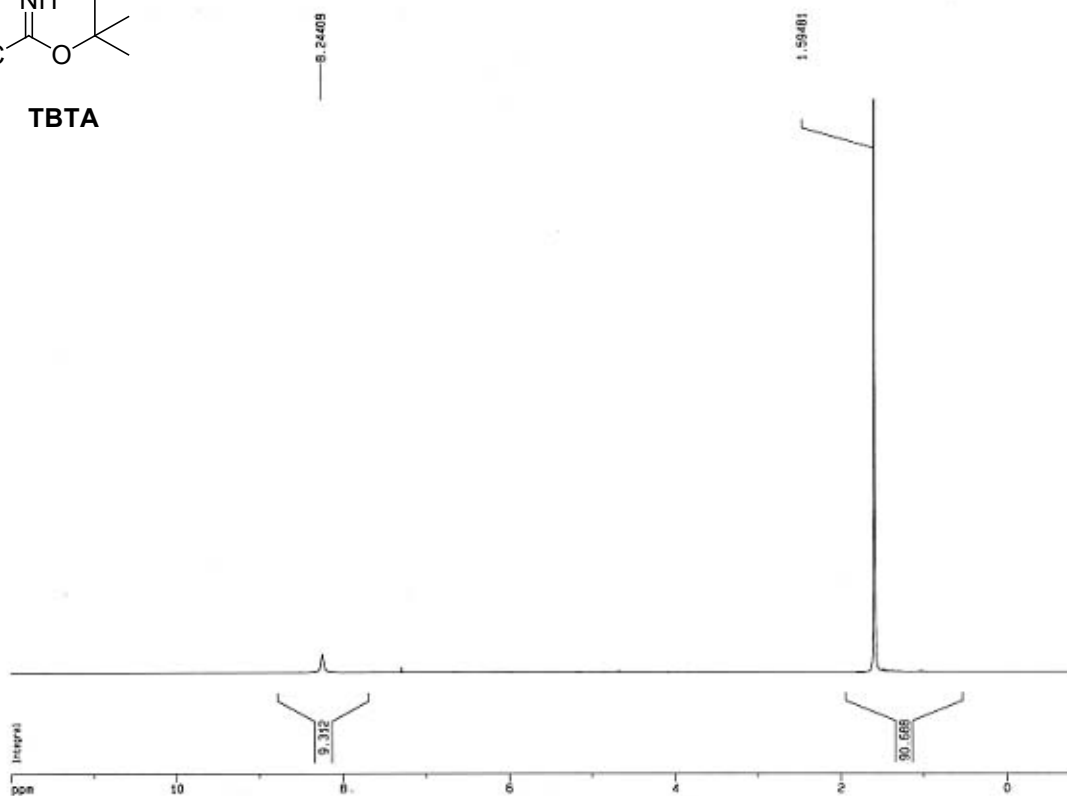
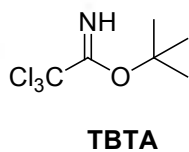
**129****129**

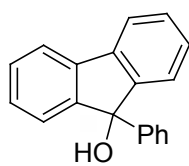


**131****131**

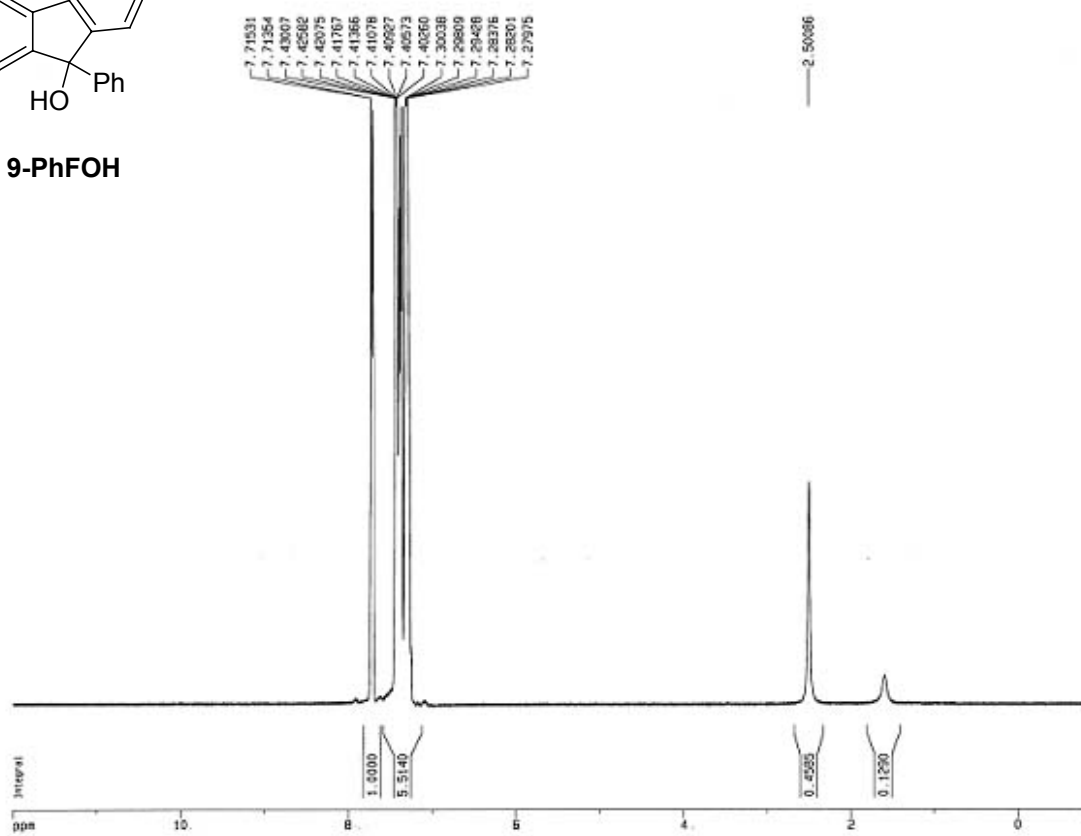


## 8.2 ESPECTRES CAPÍTOL 3

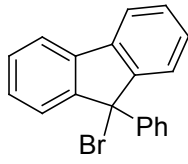




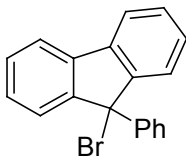
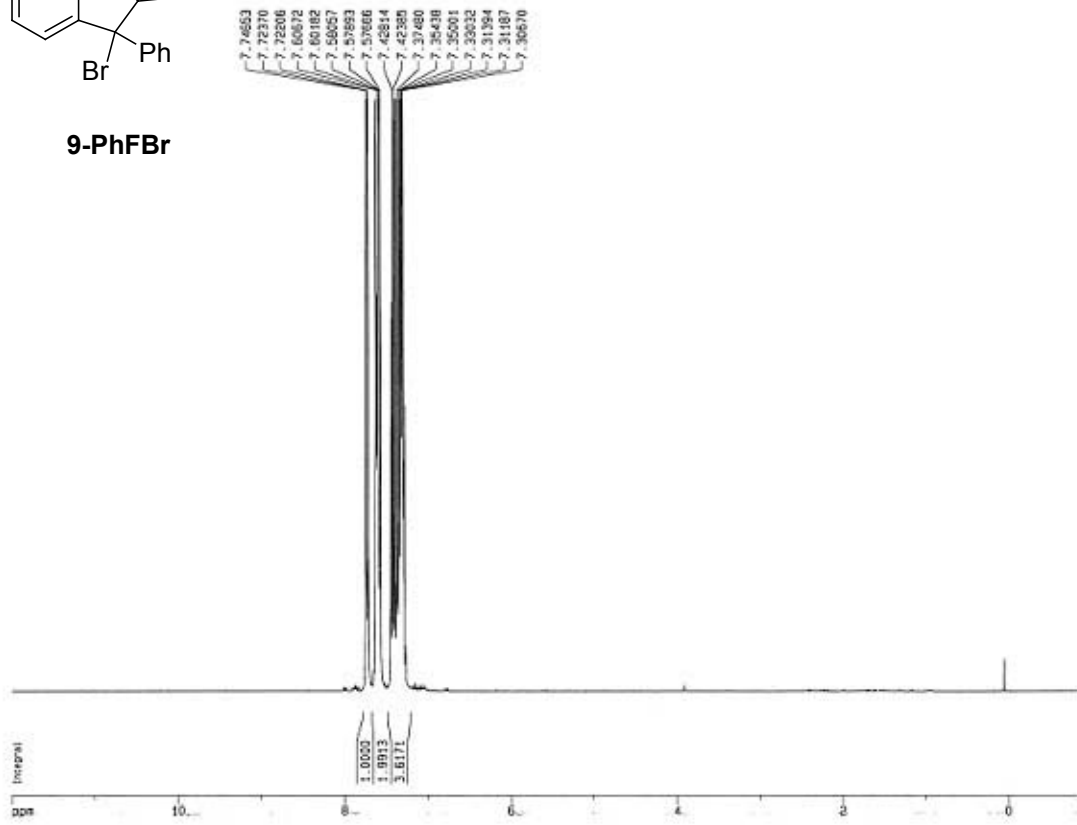
9-PhFOH



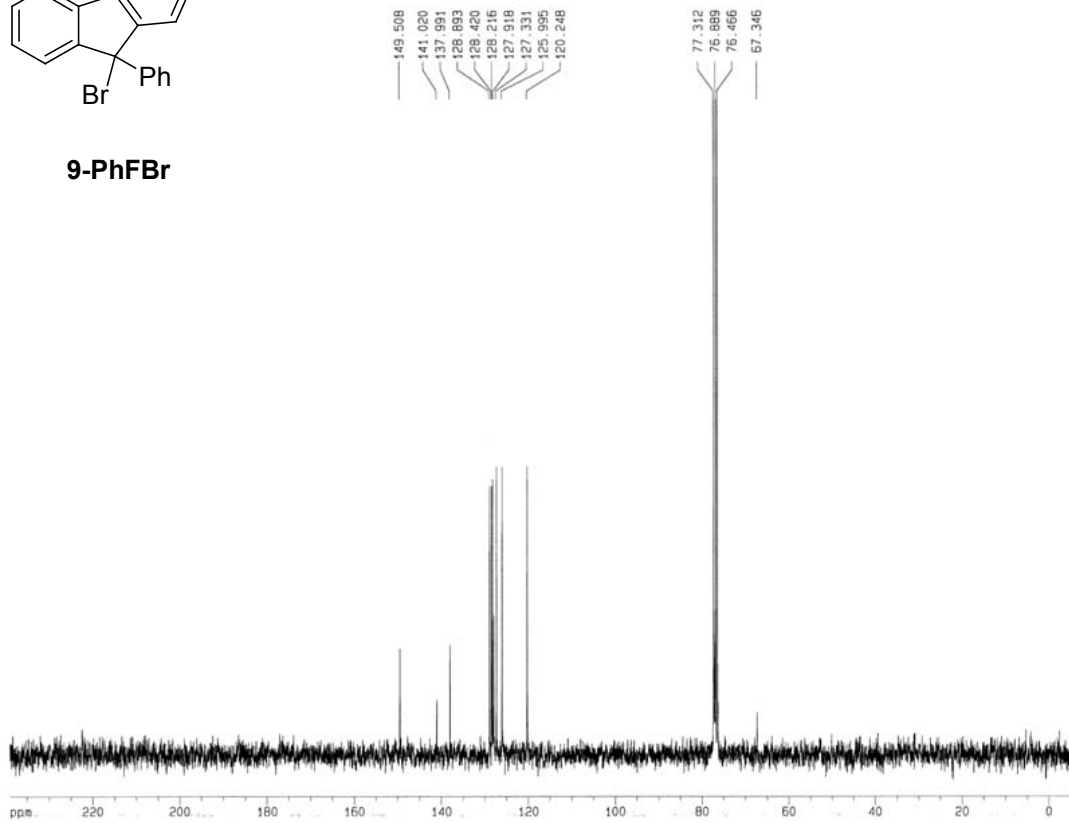
ESPECTRES

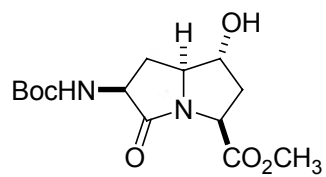


9-PhBr

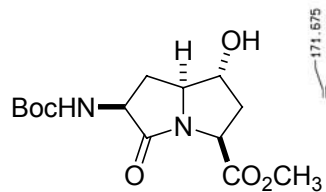
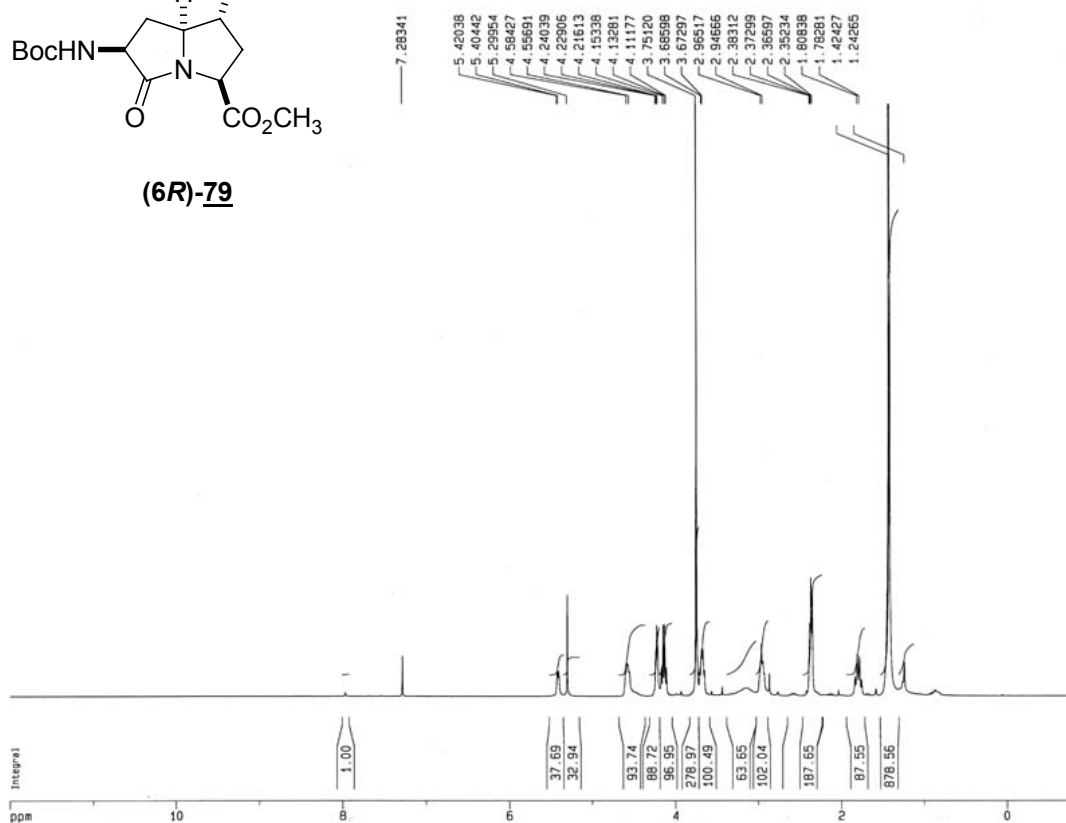


9-PhBr

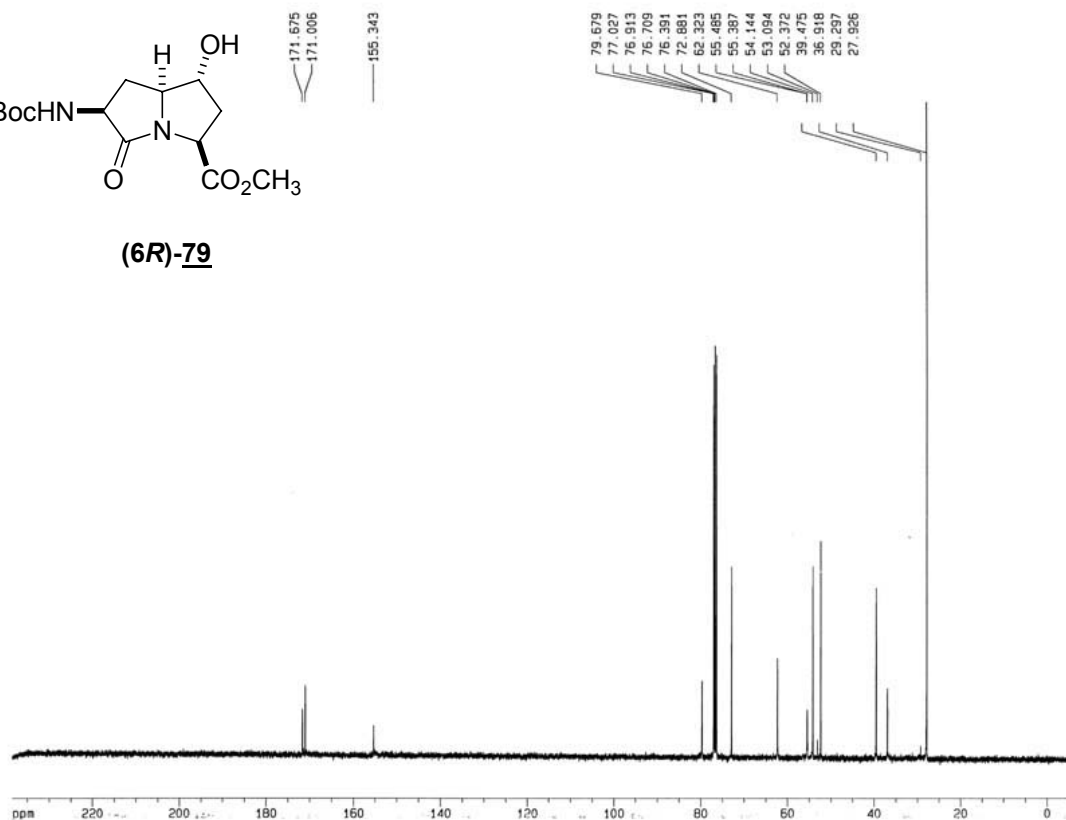


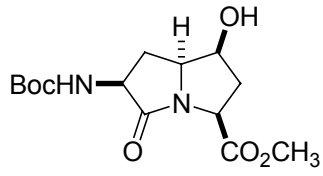


**(6R)-79**

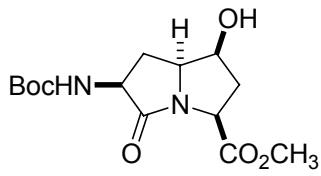
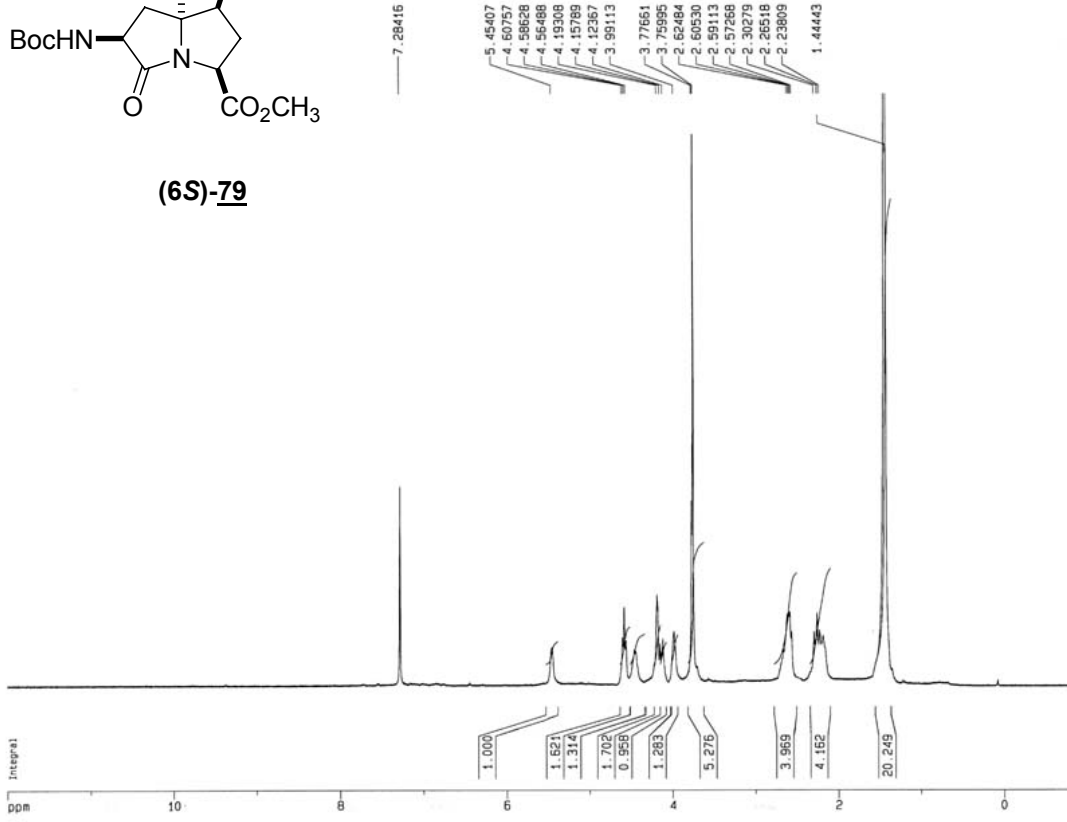


**(6R)-79**

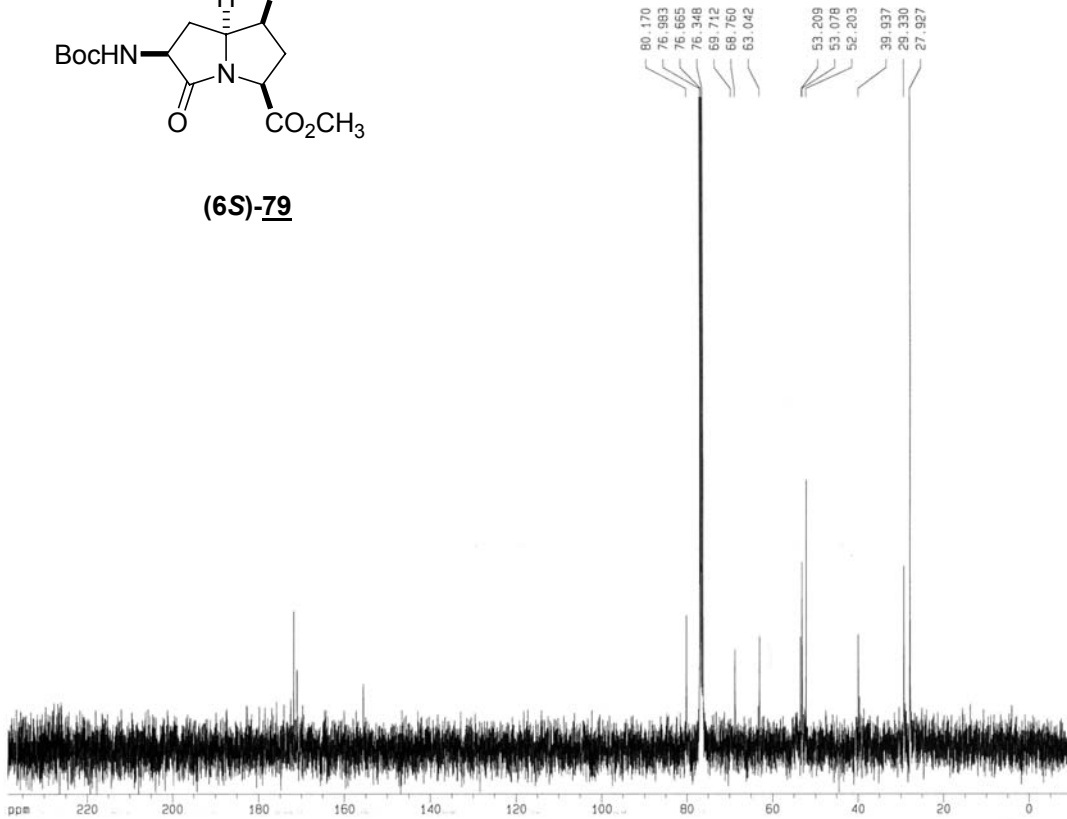


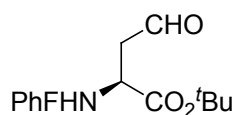
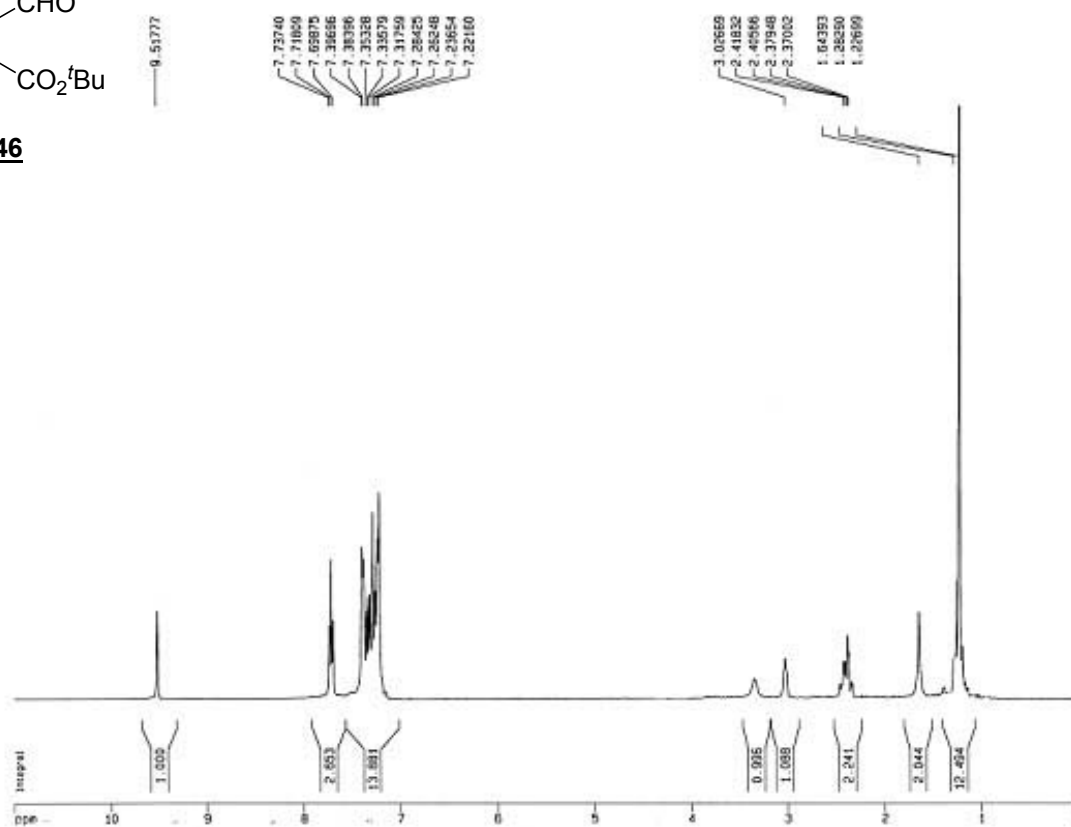


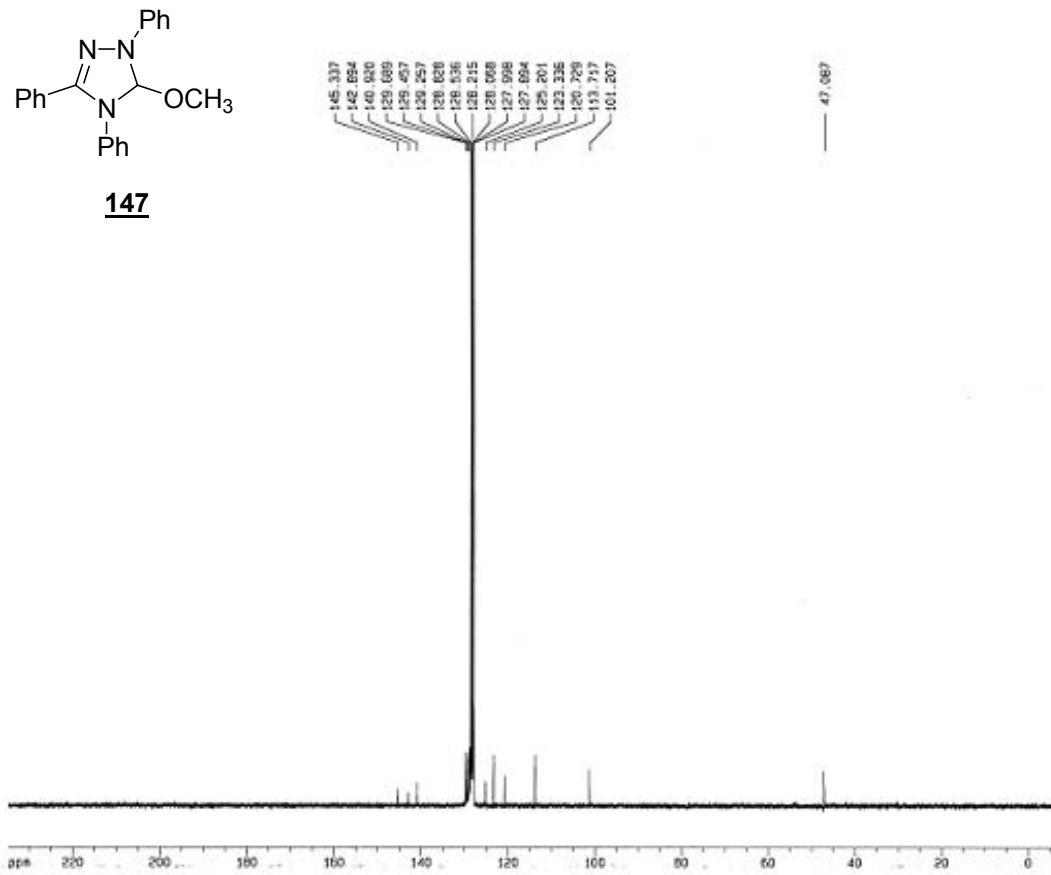
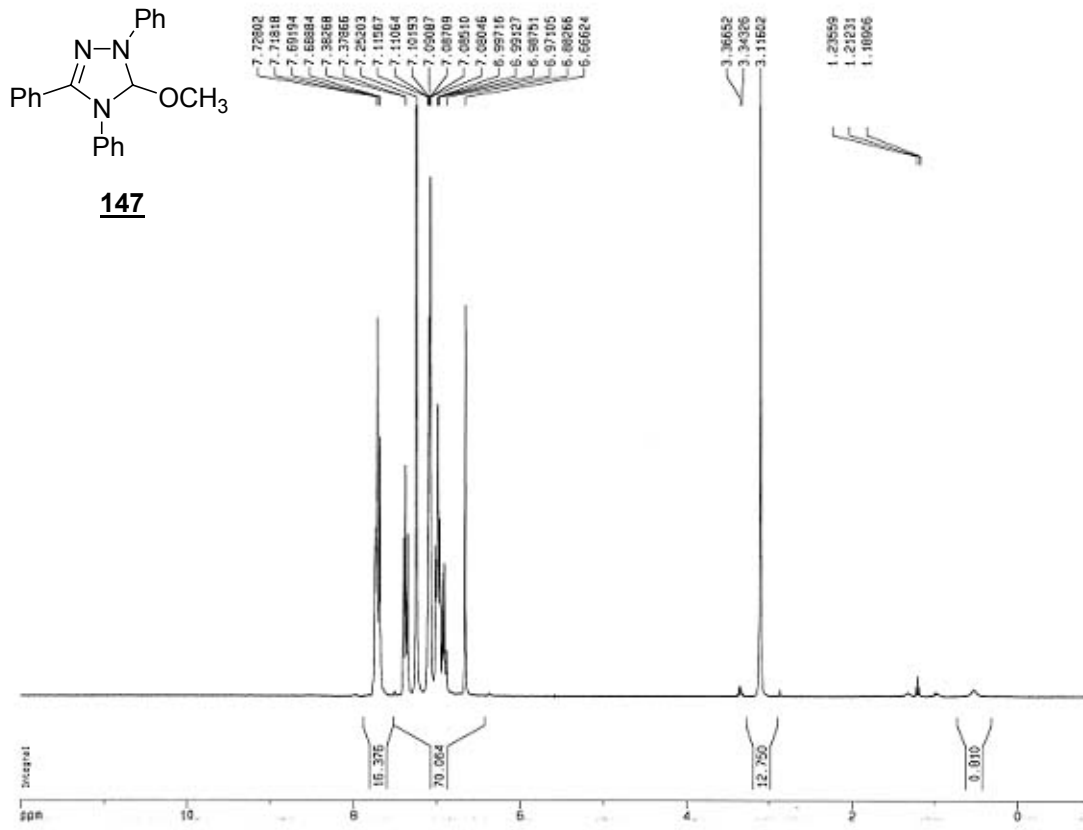
**(6S)-79**

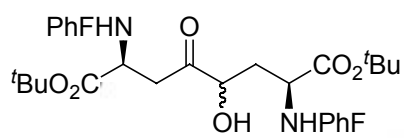


**(6S)-79**

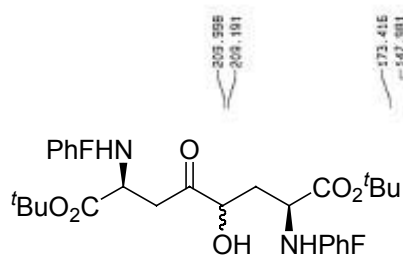
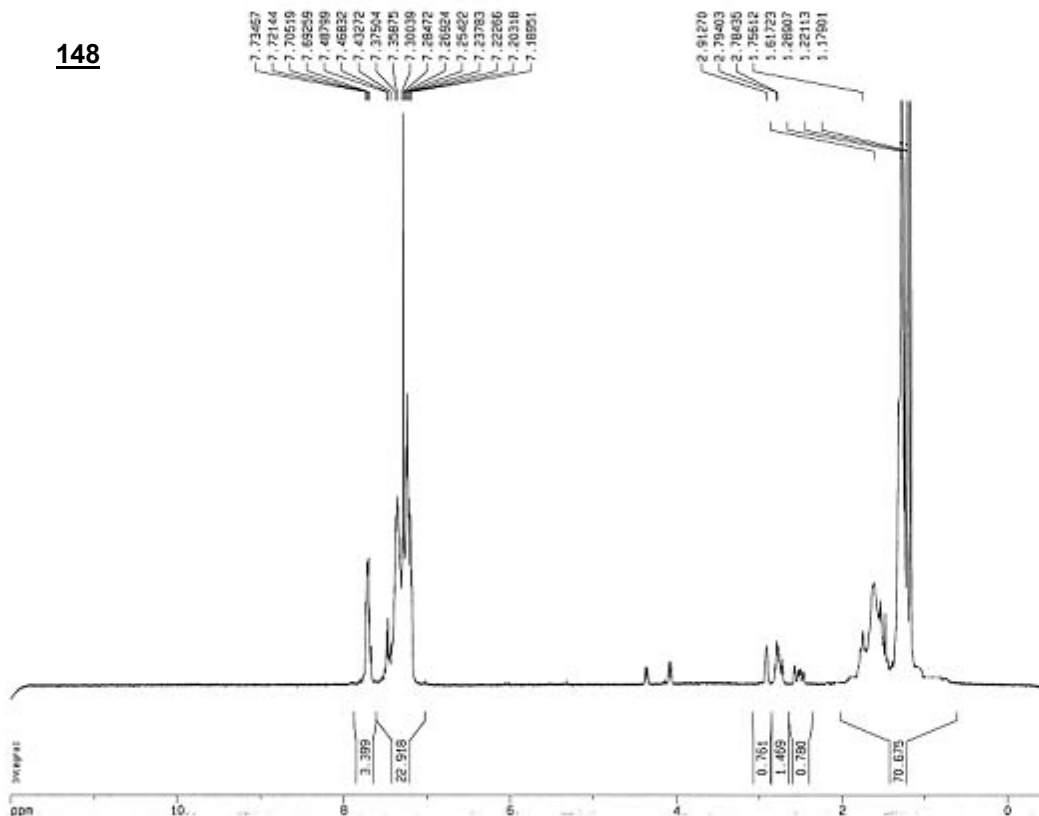


**146**

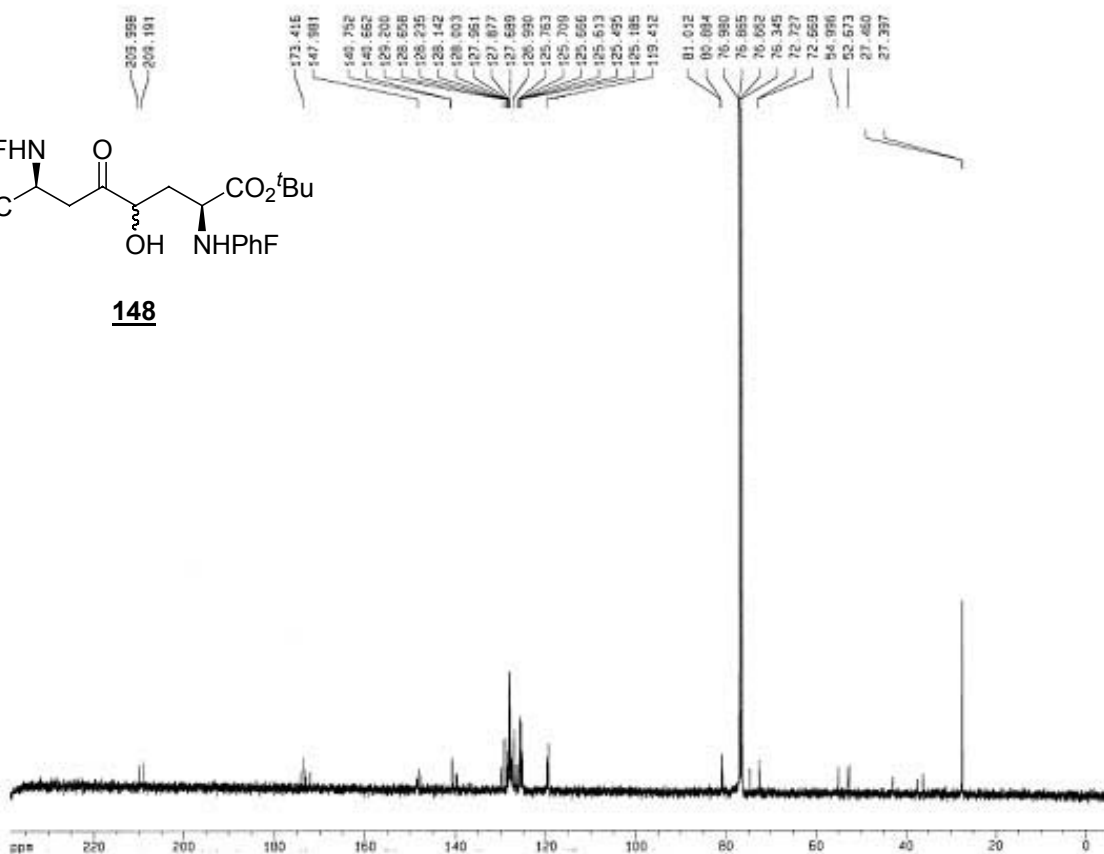




**148**

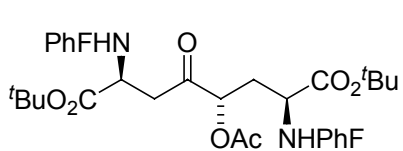


**148**

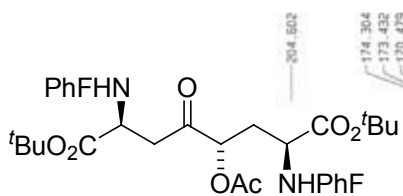
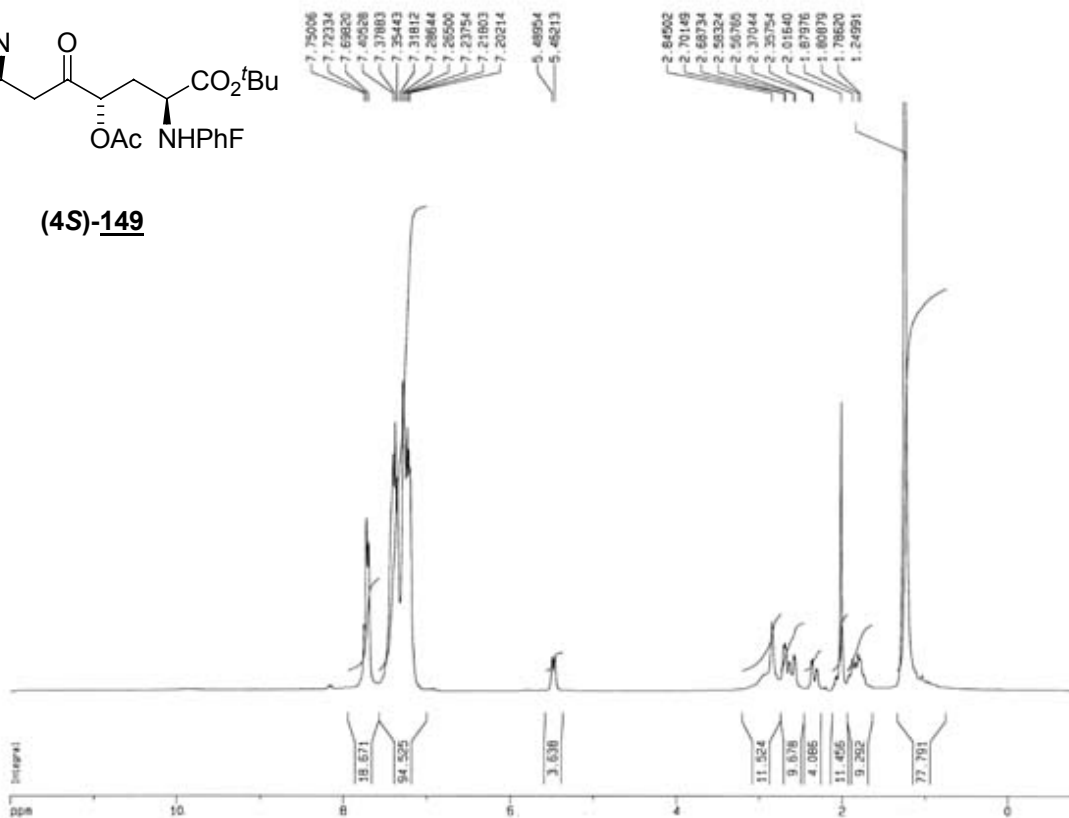




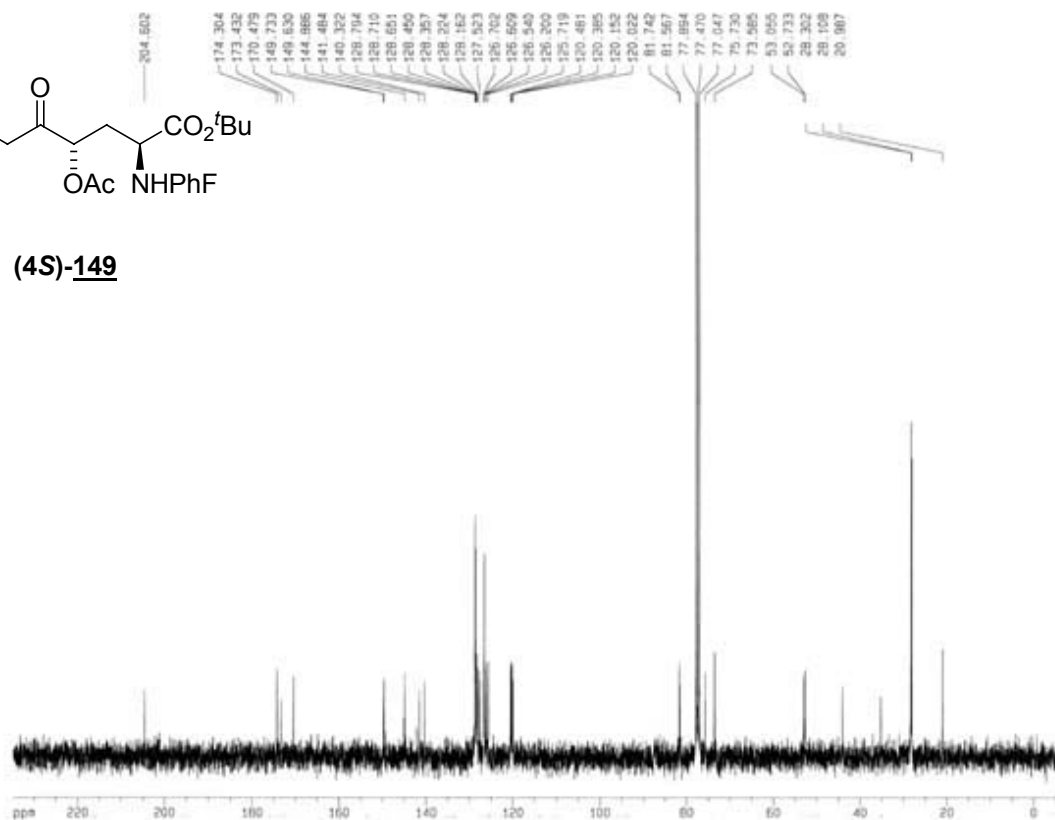
ESPECTRES

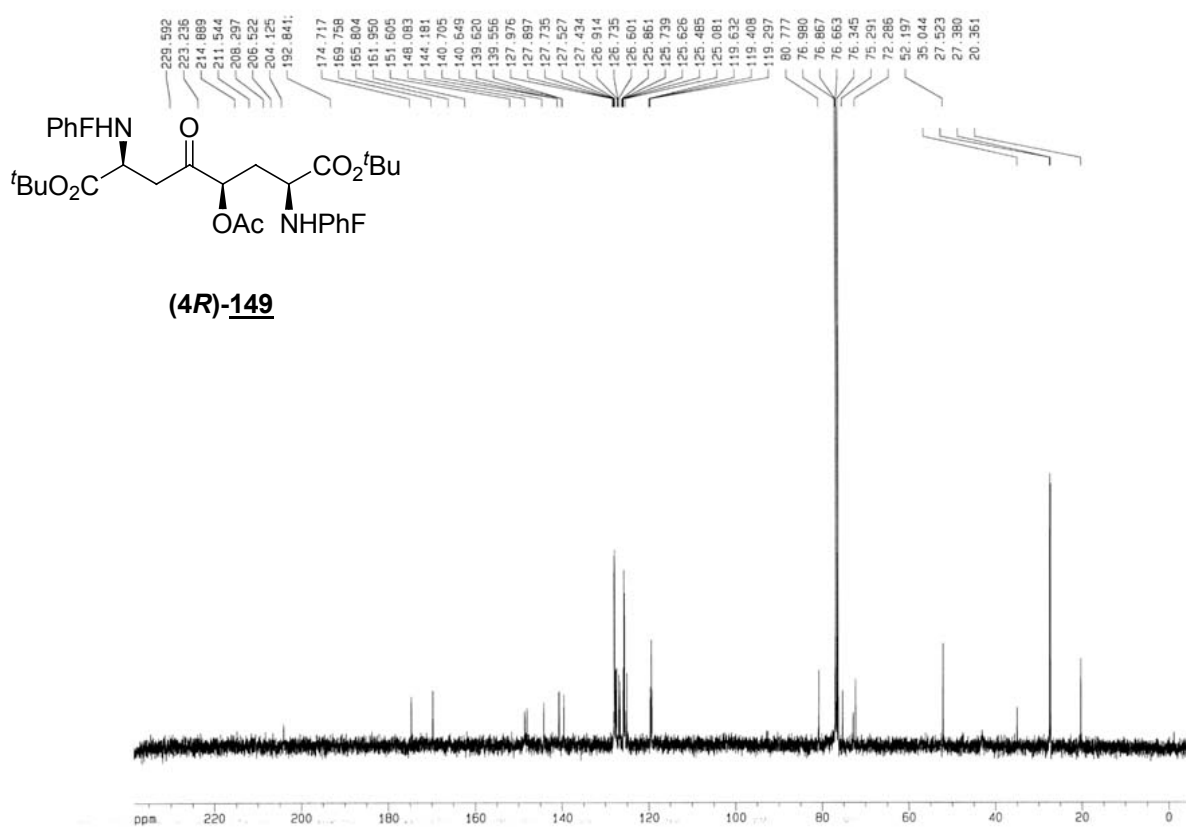
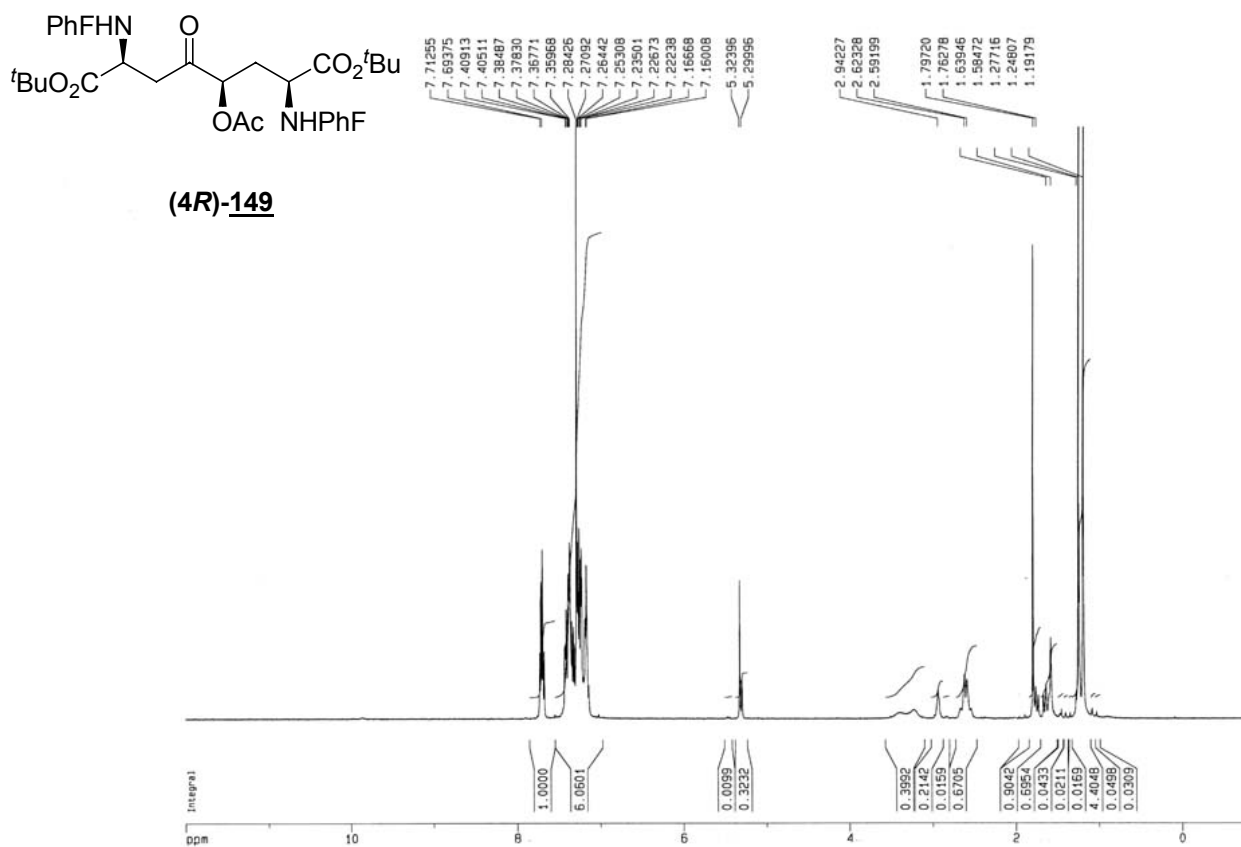


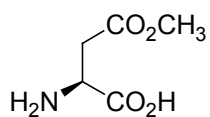
**(4S)-149**



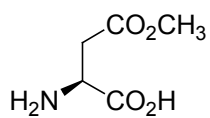
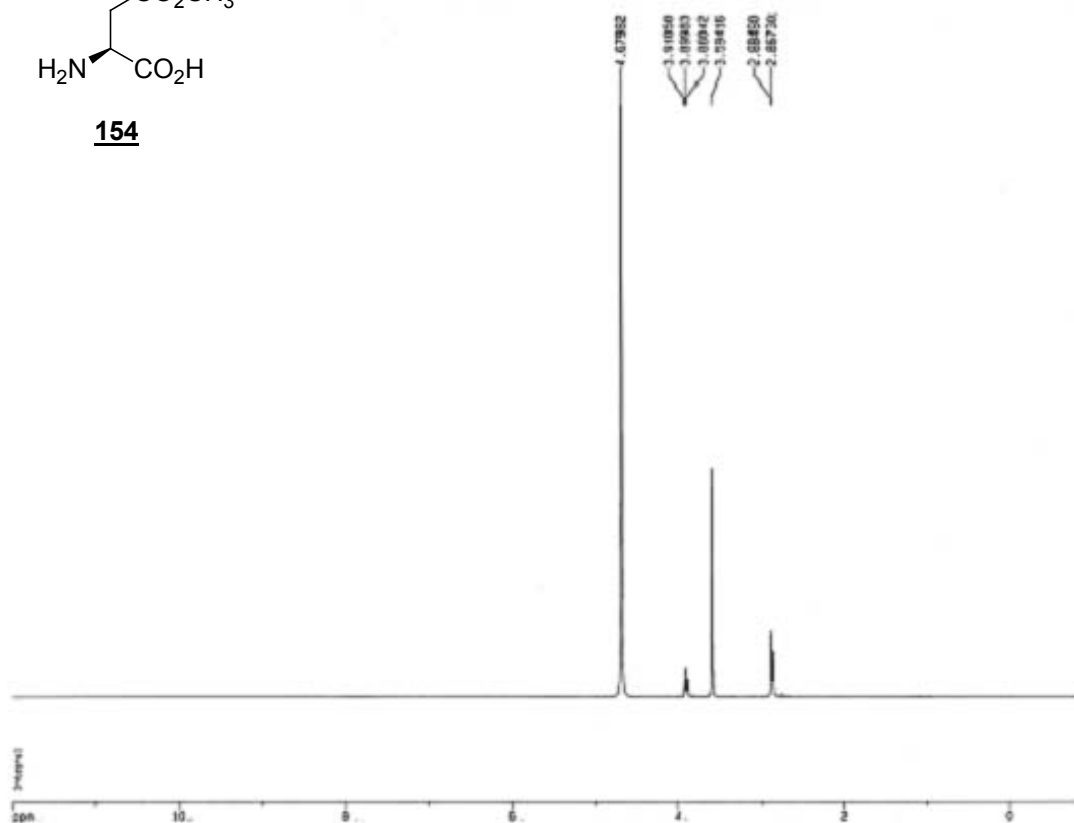
**(4S)-149**



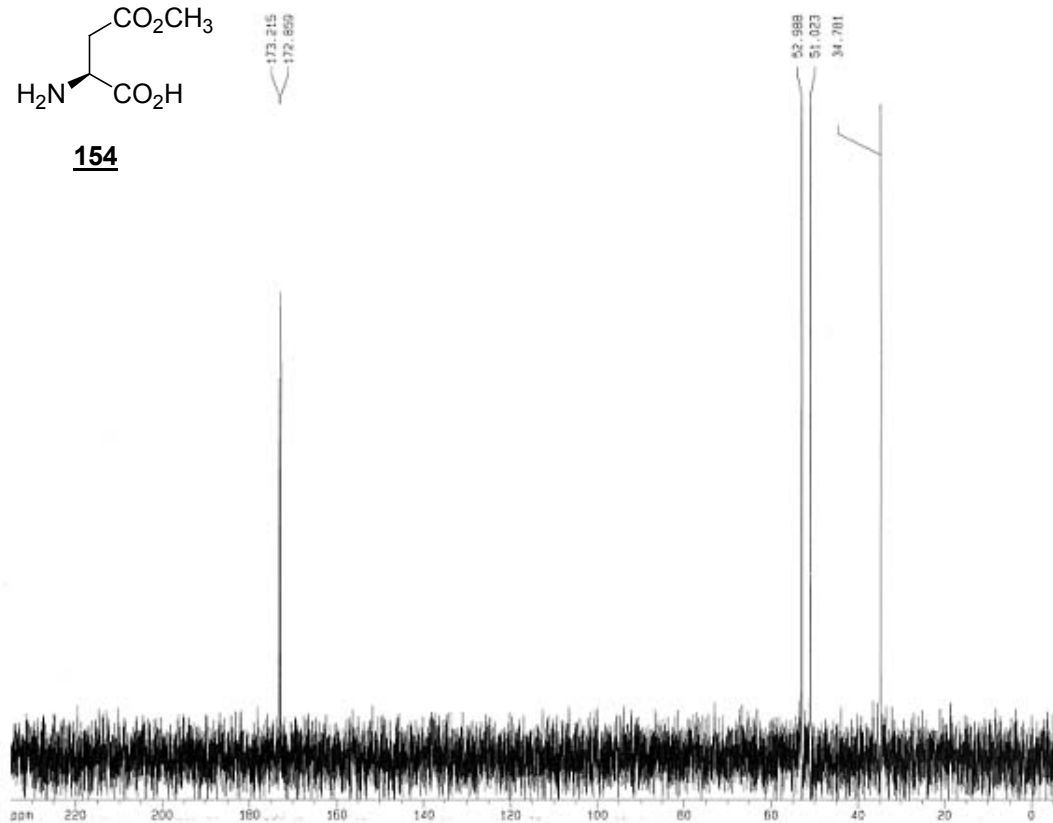


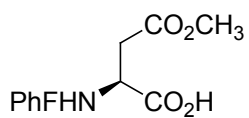


**154**

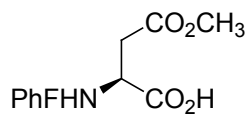
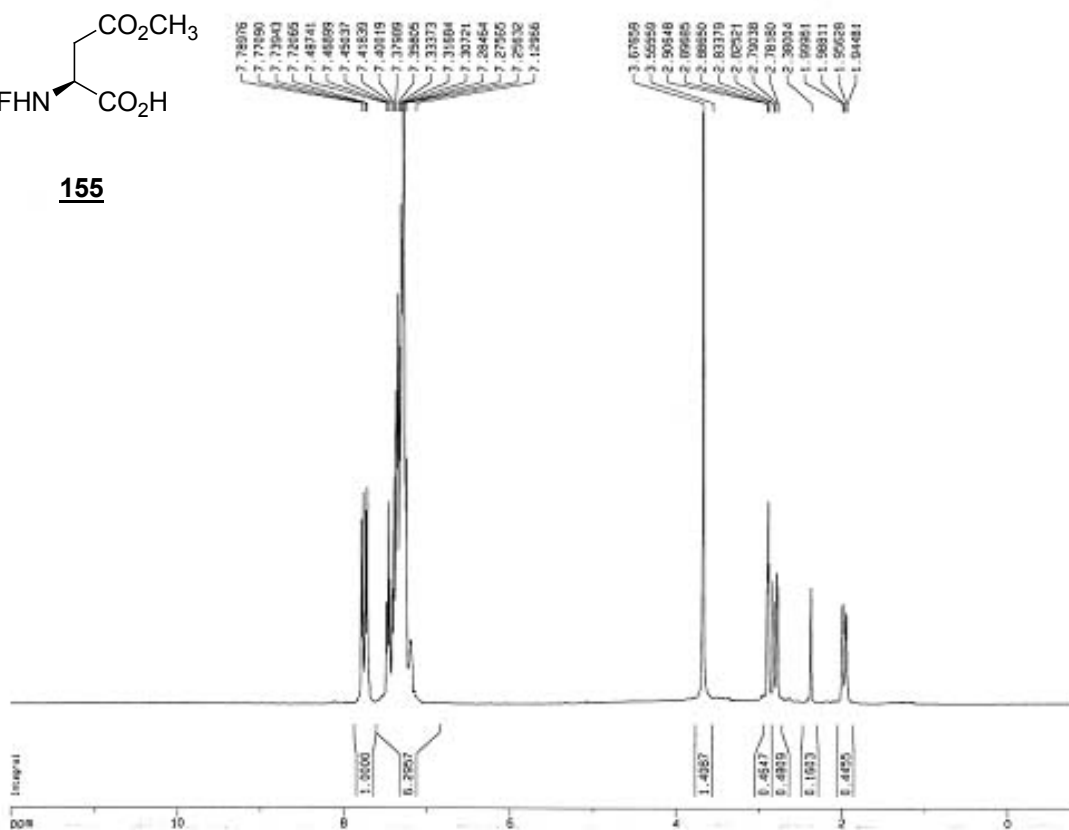


**154**

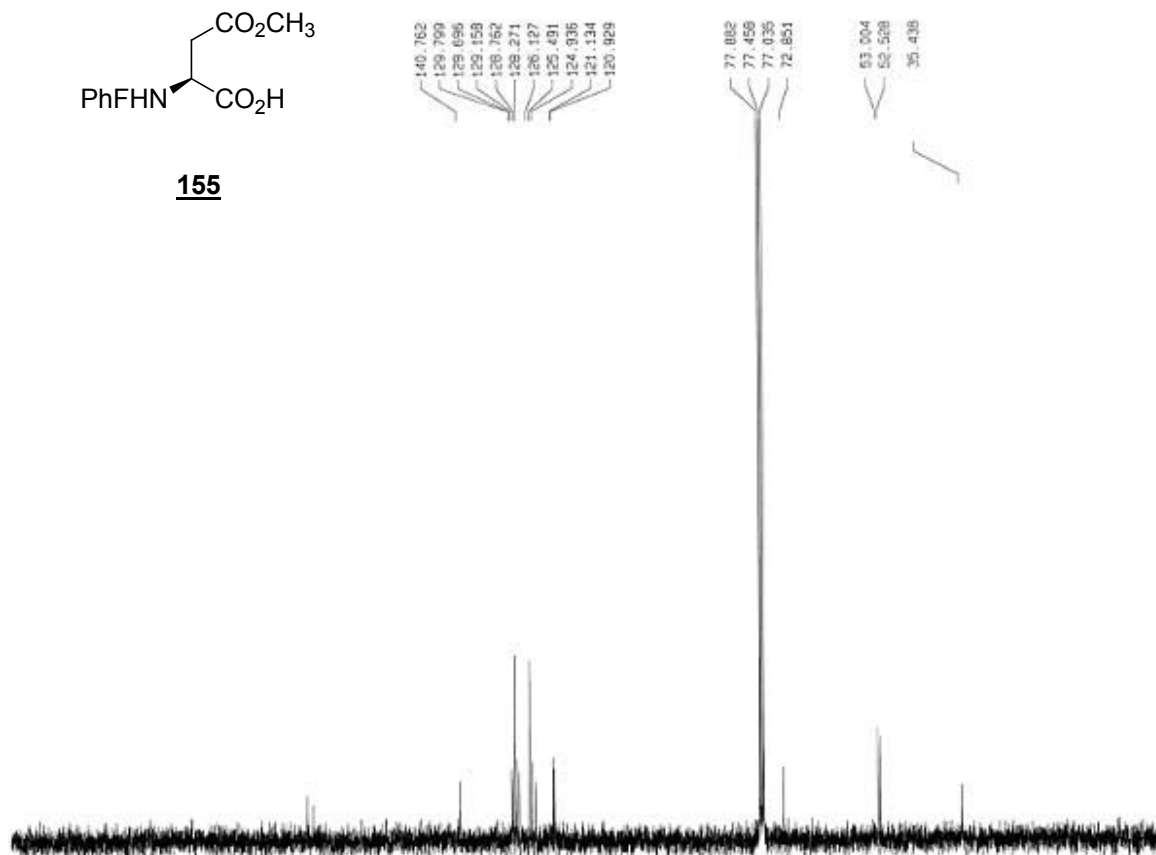


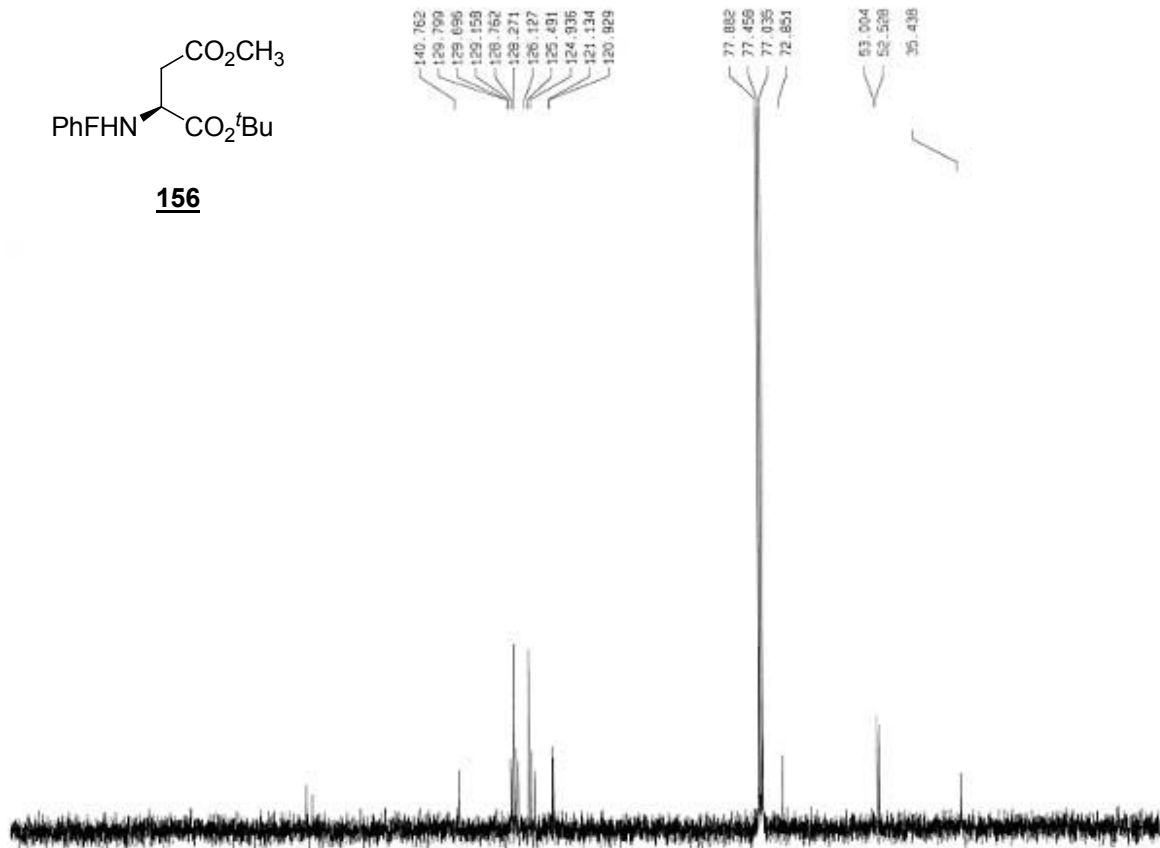
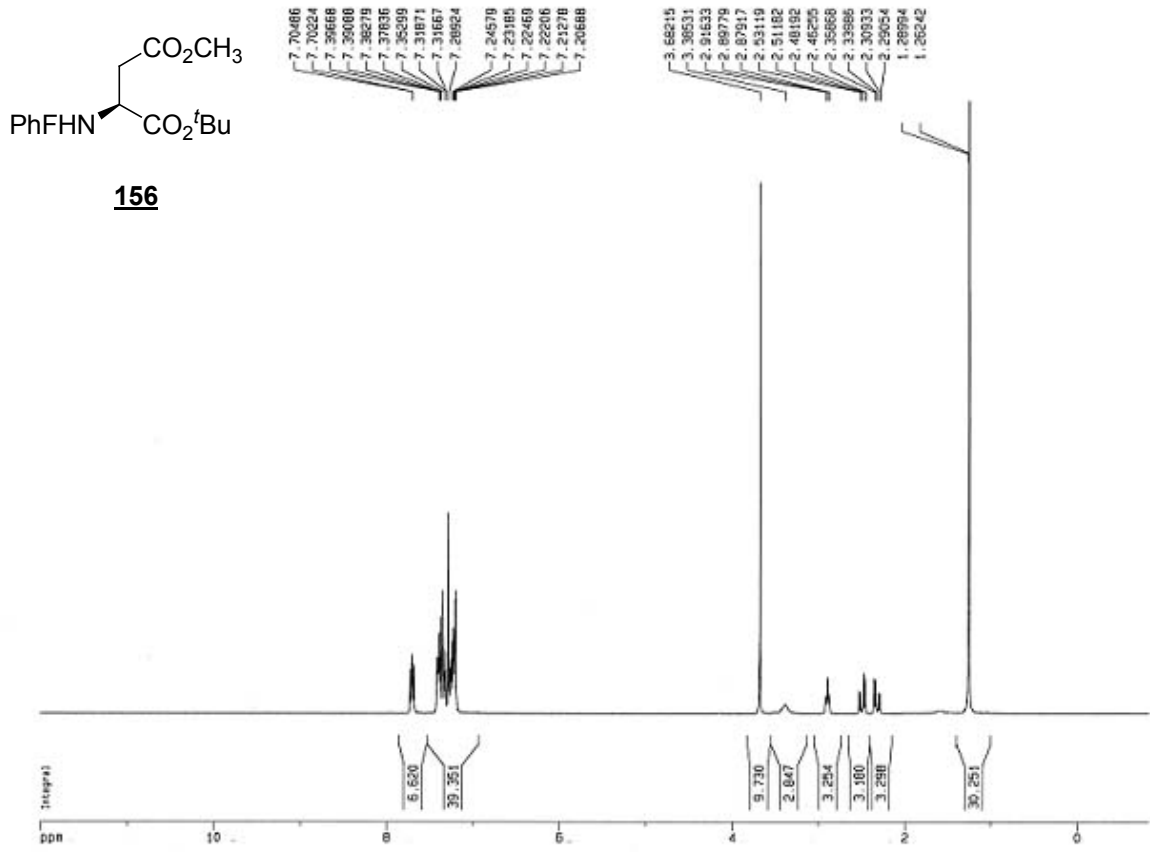


**155**

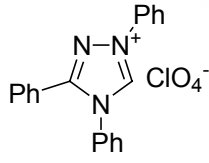


**155**

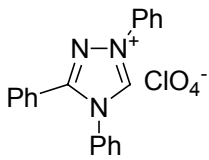
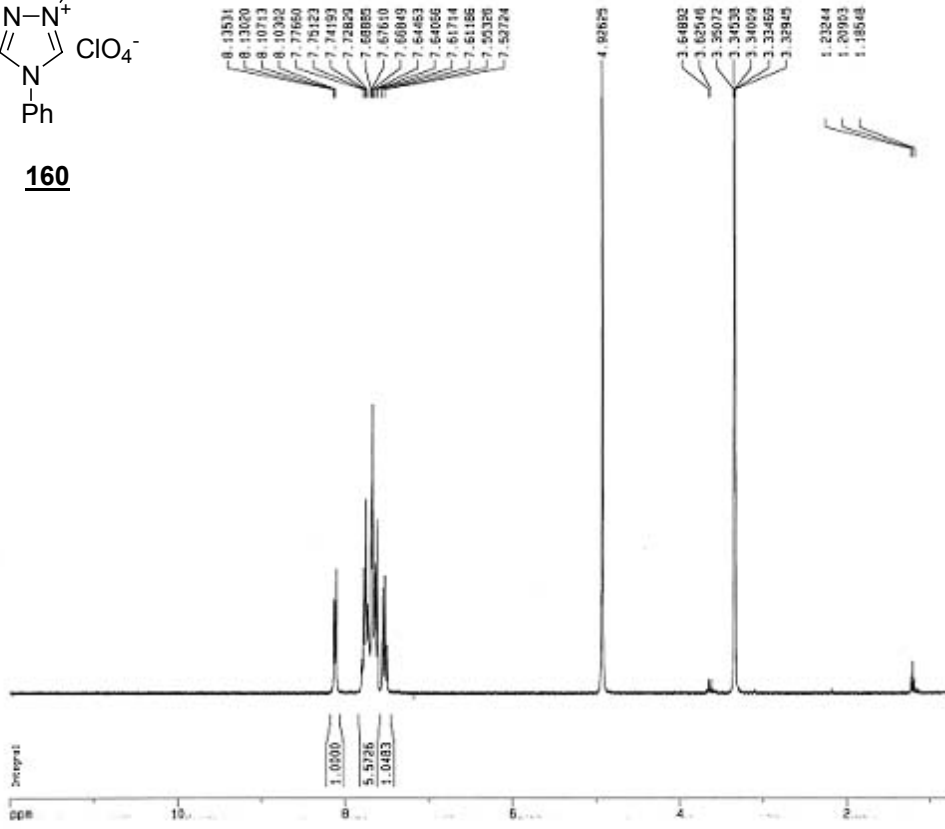




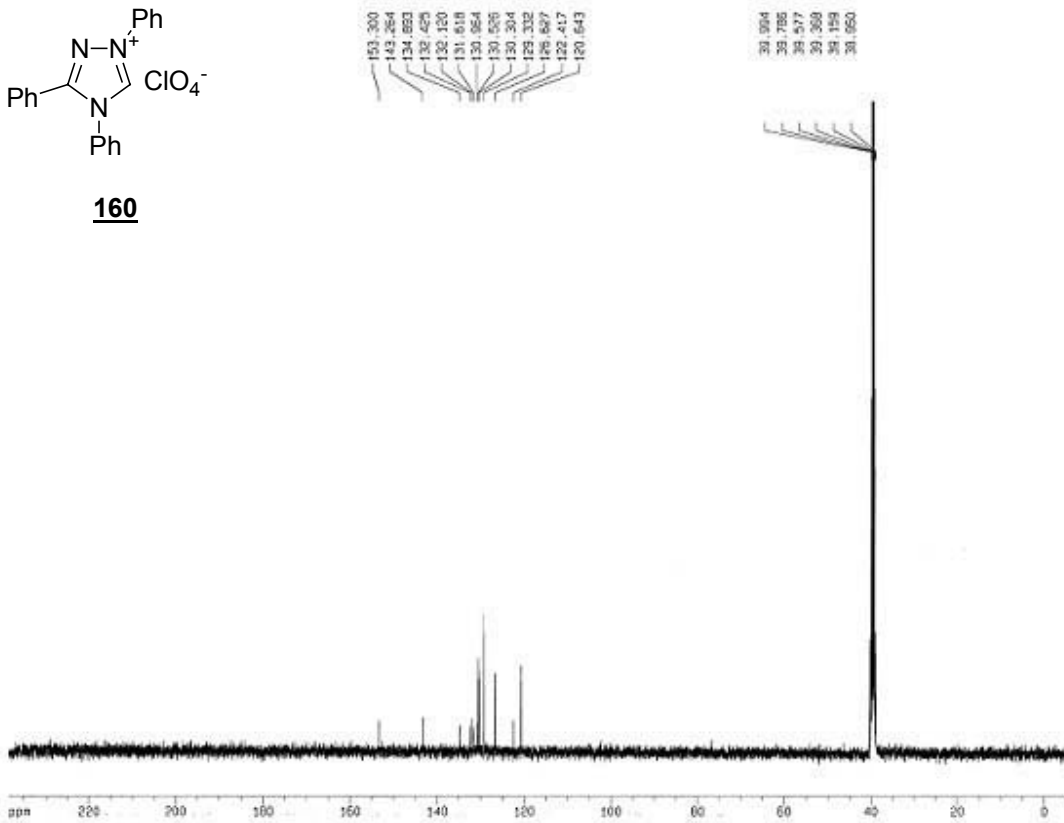


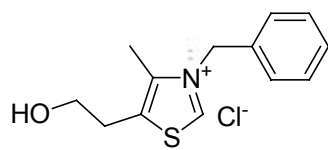


**160**

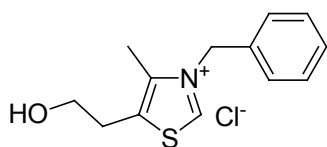
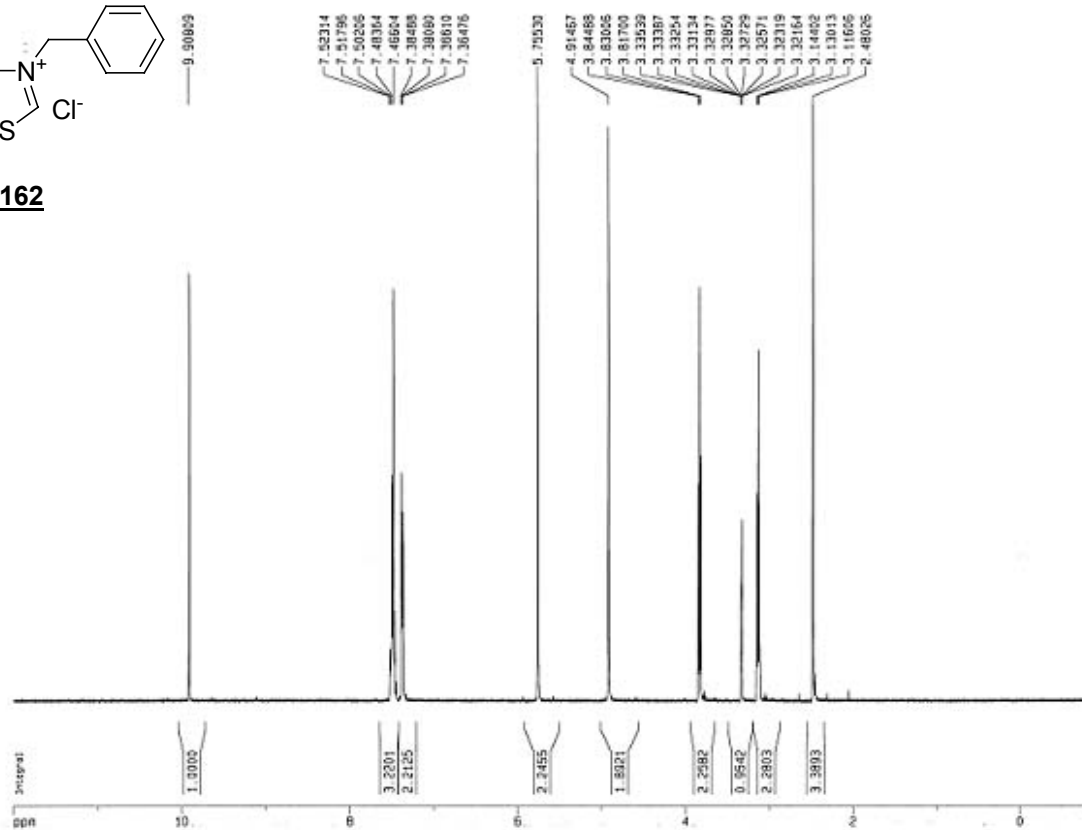


**160**

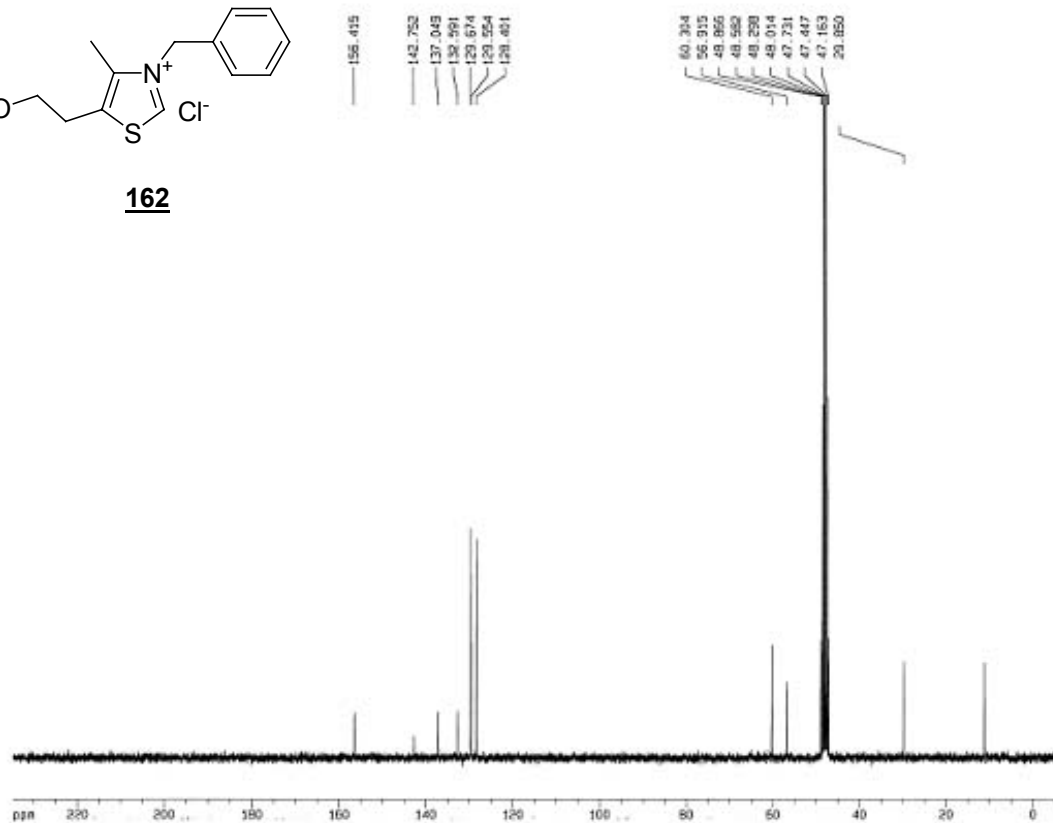




**162**

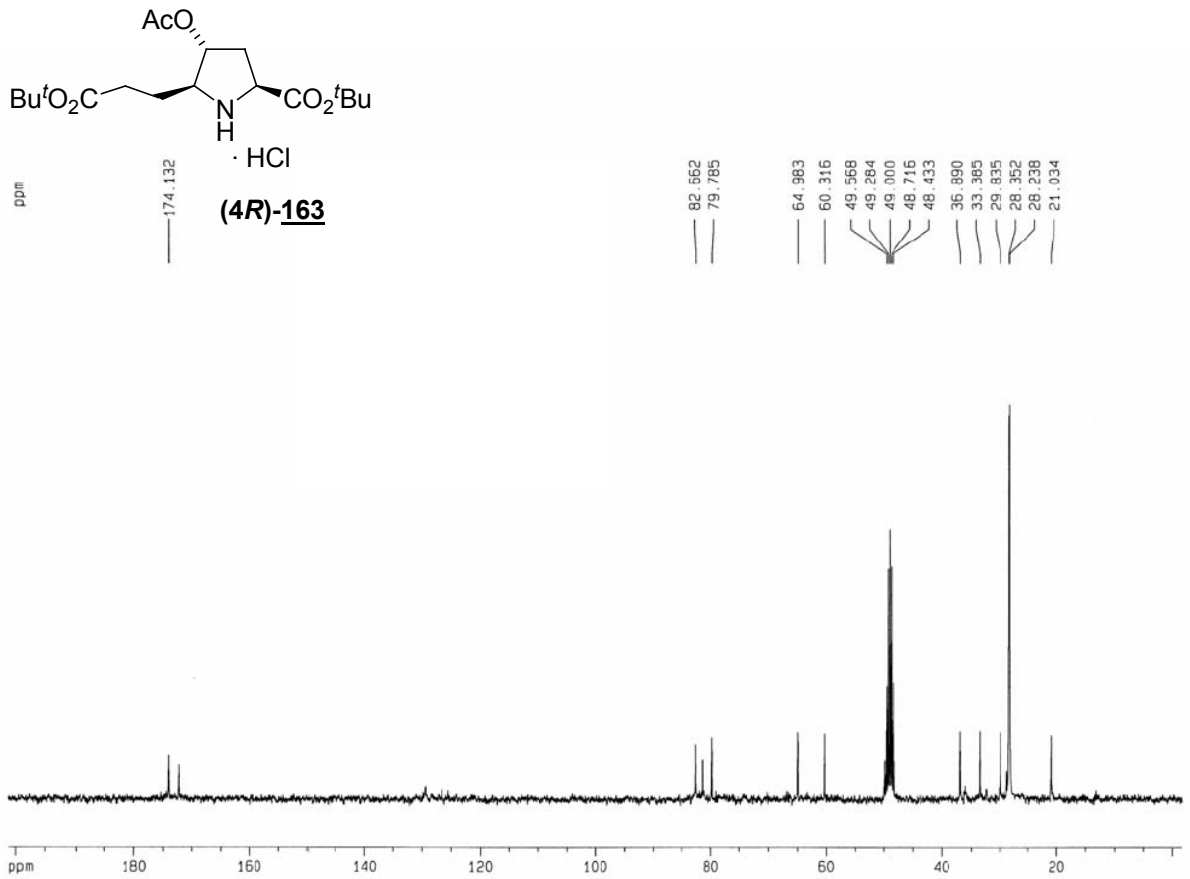
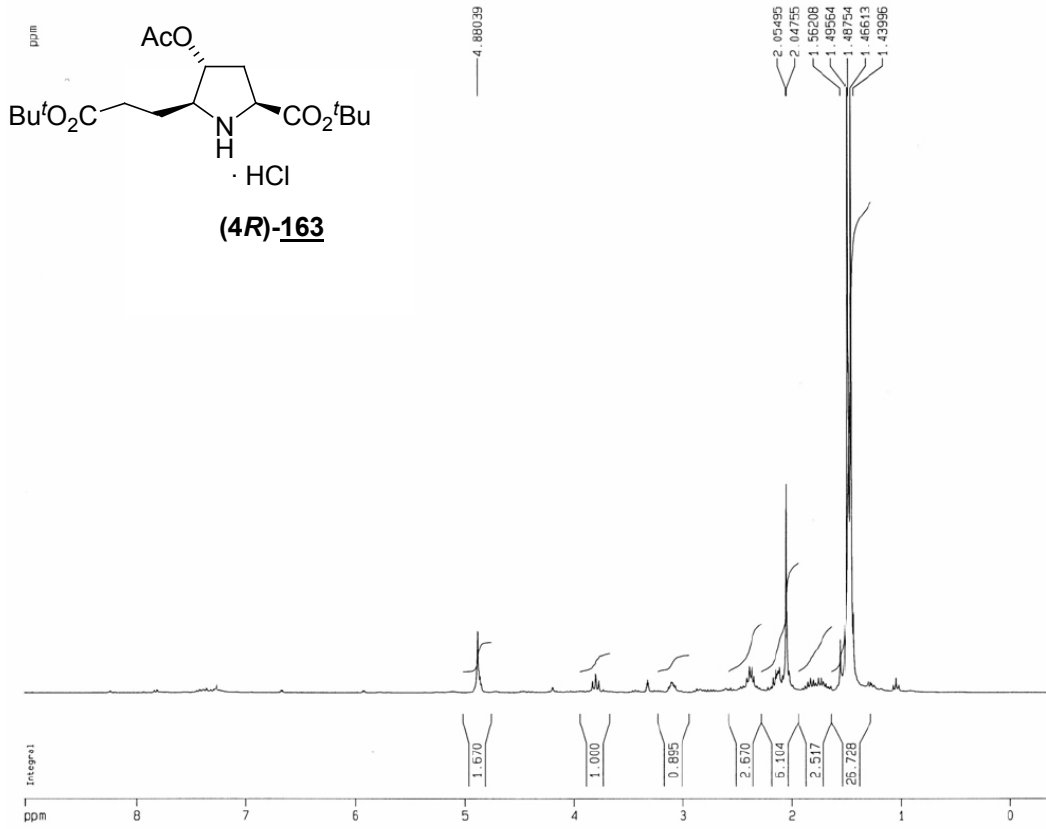


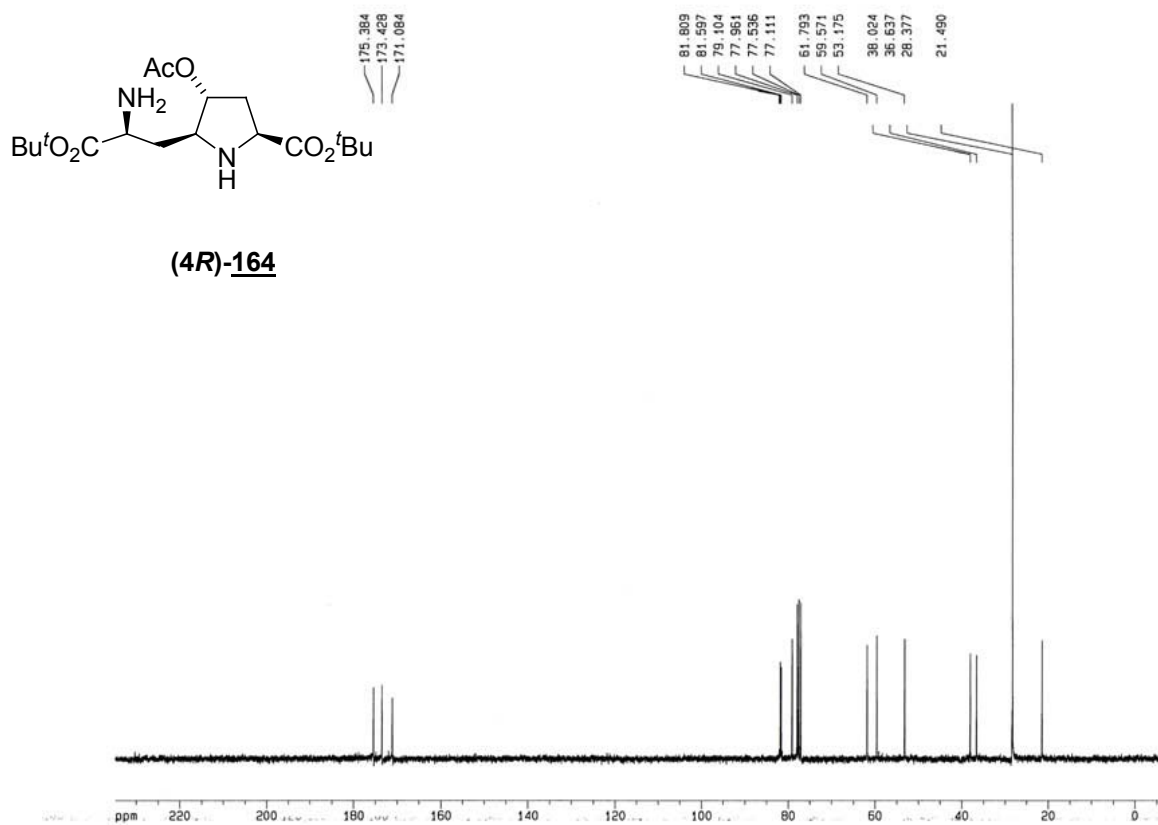
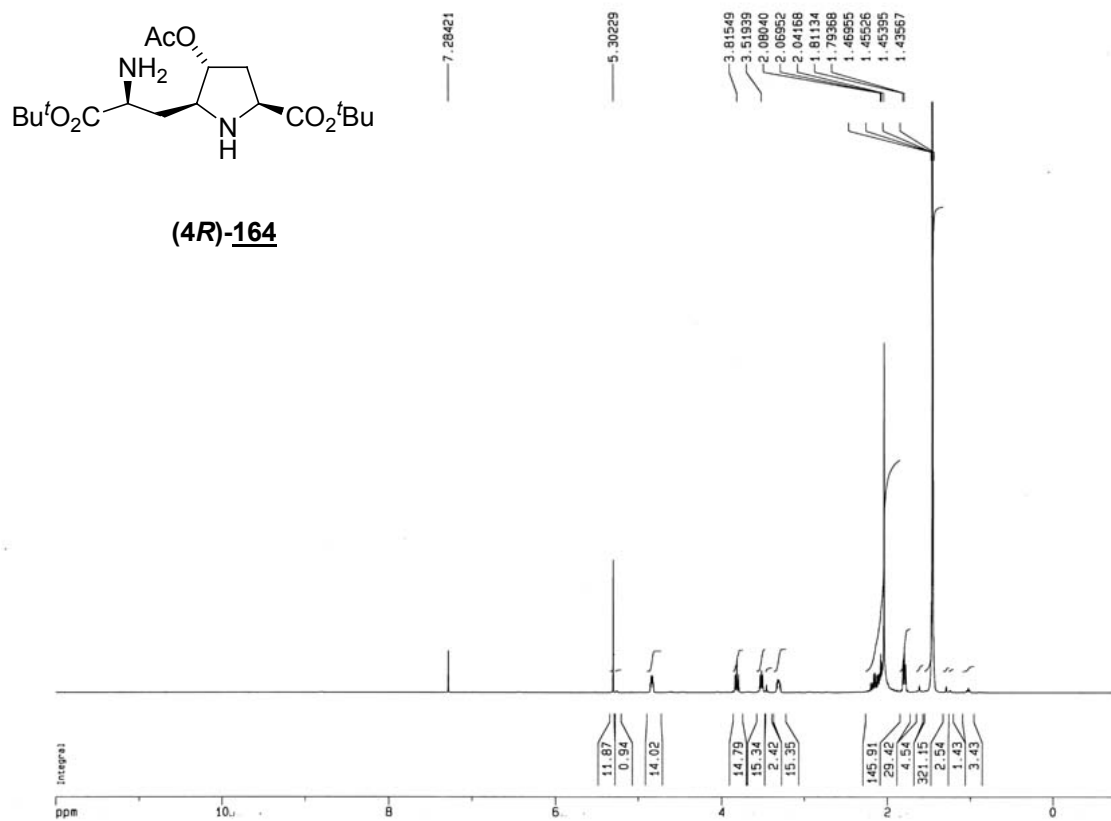
**162**



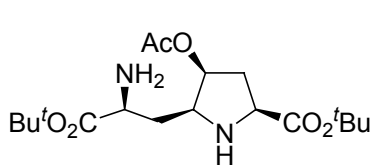


ESPECTRES

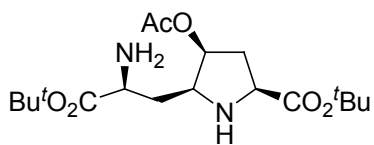
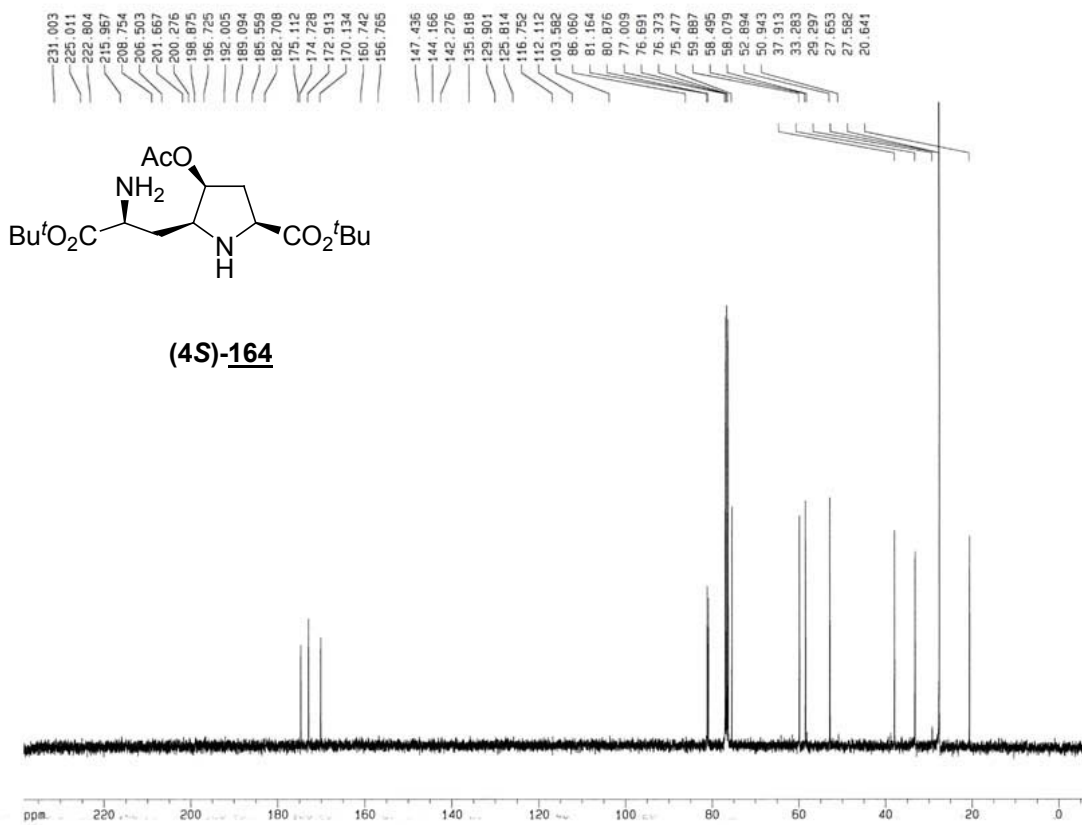
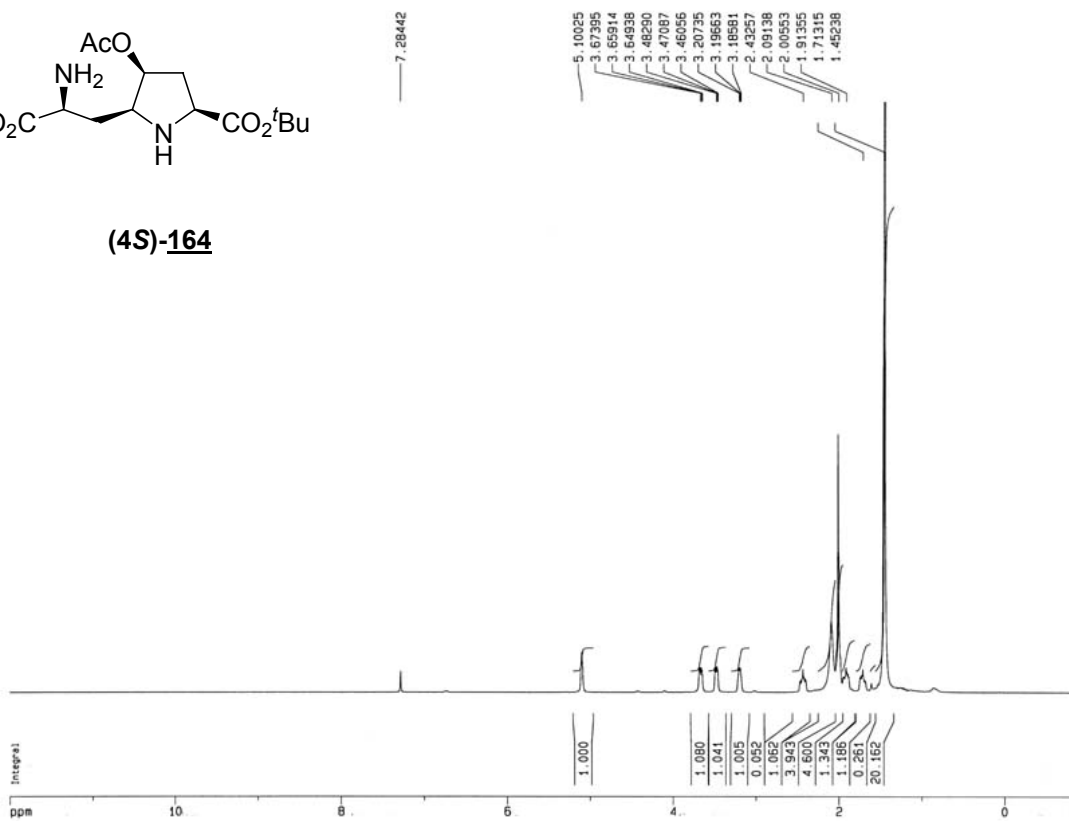




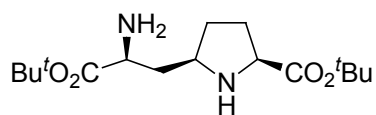
ESPECTRES



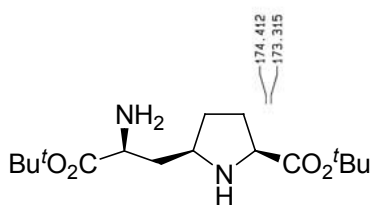
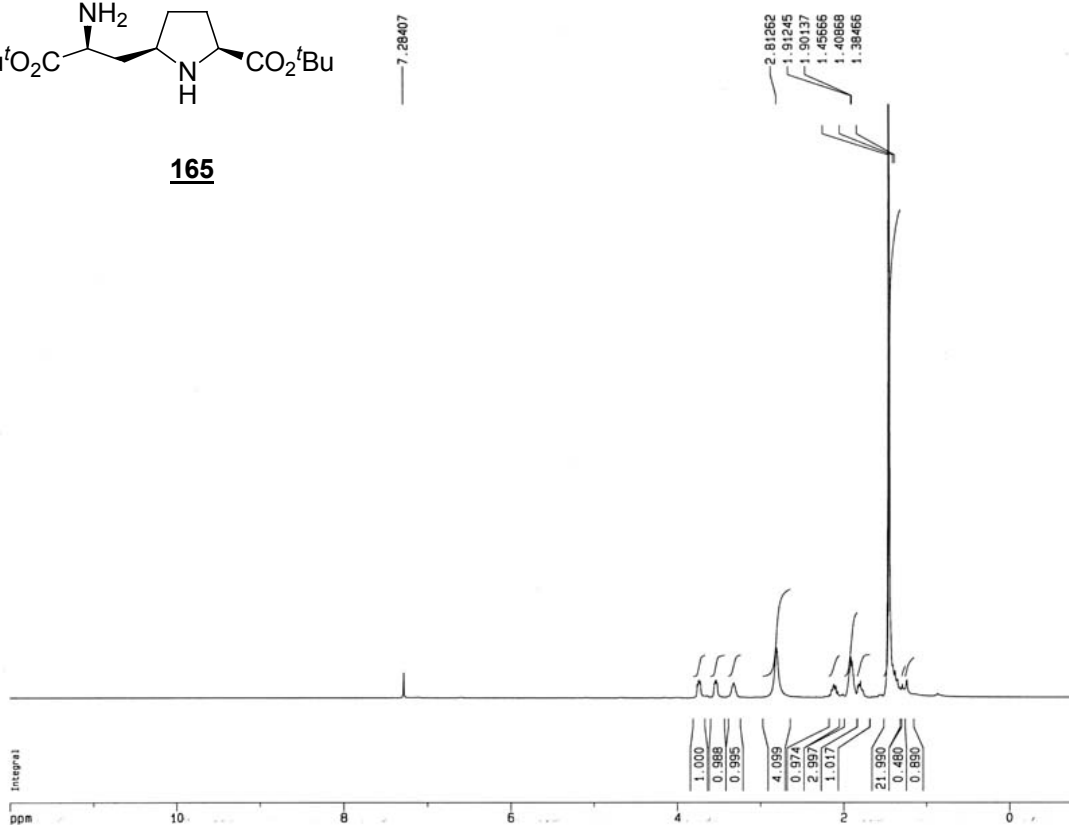
**(4S)-164**



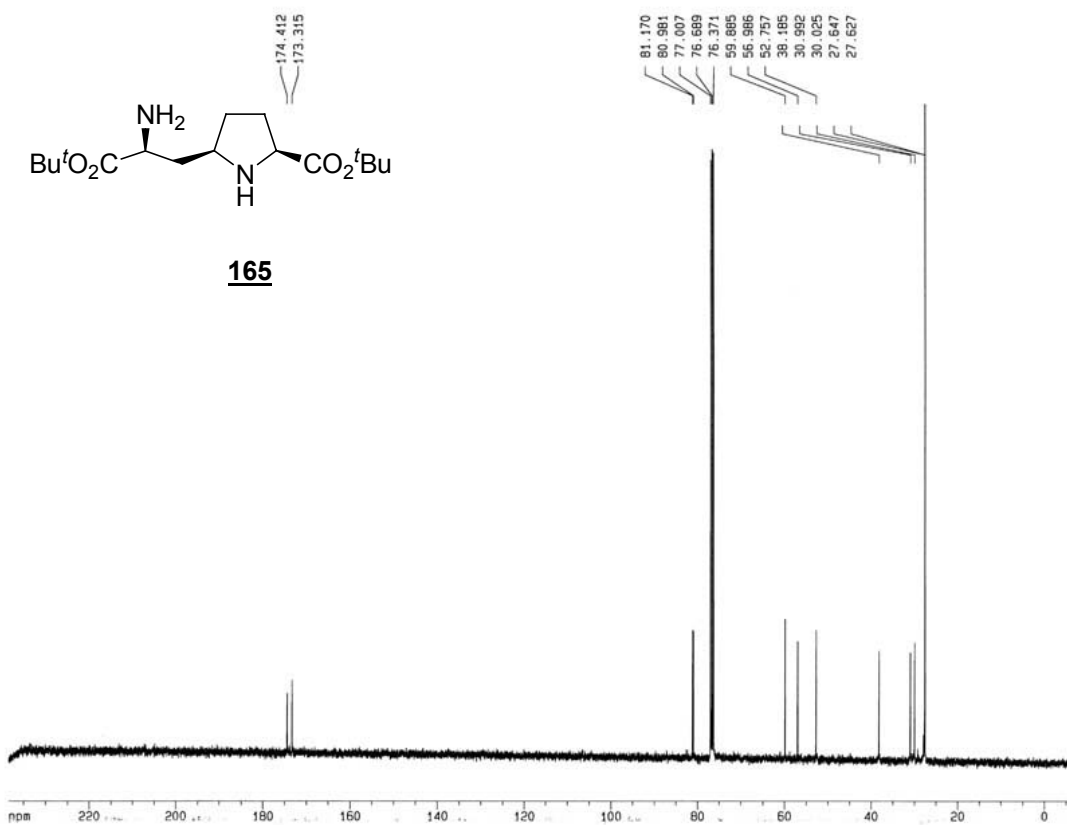
**(4S)-164**

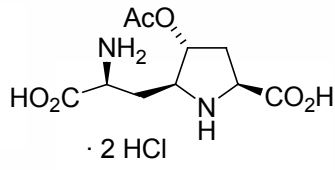


**165**

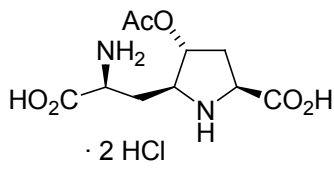
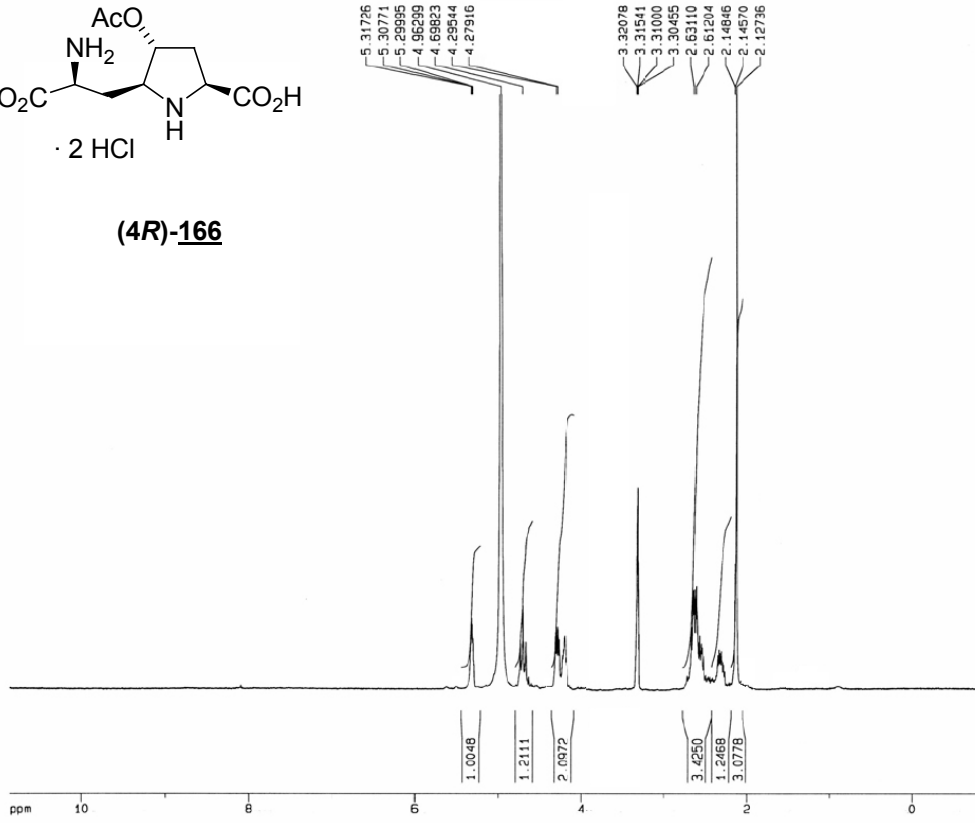


**165**

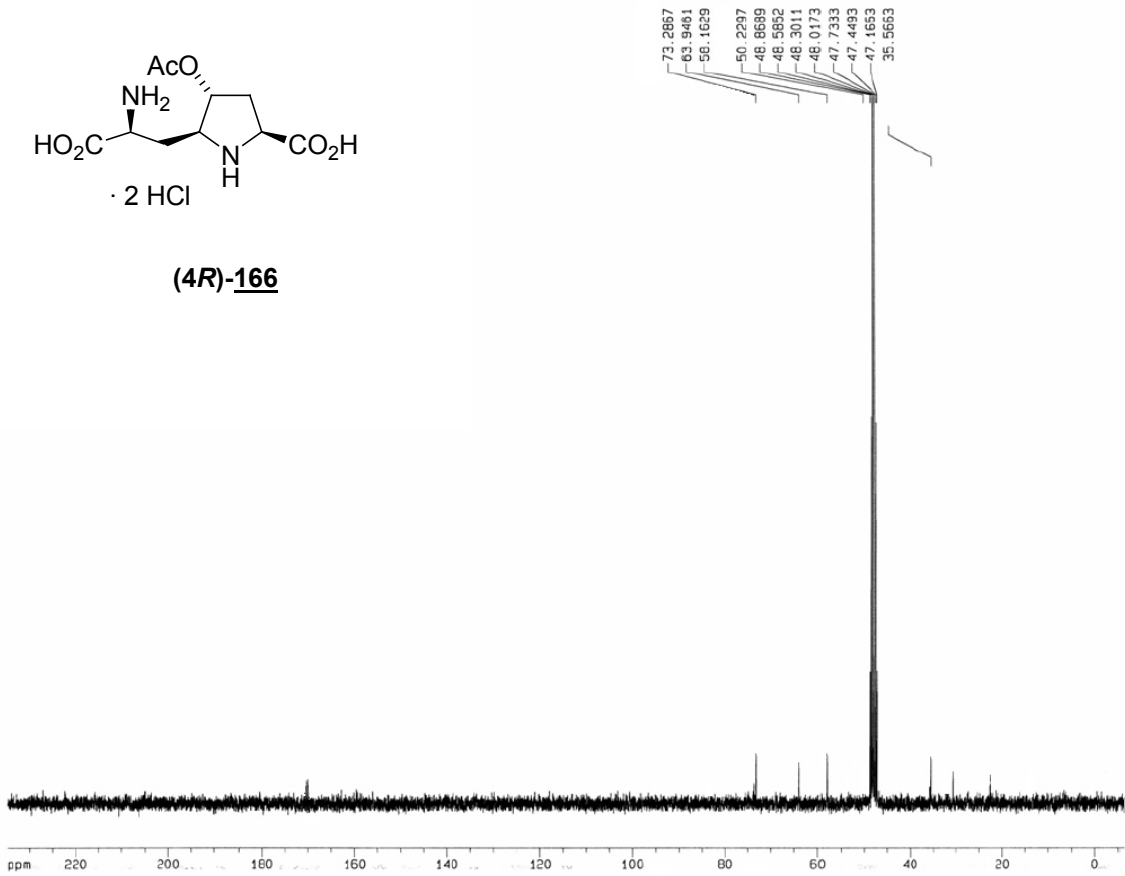


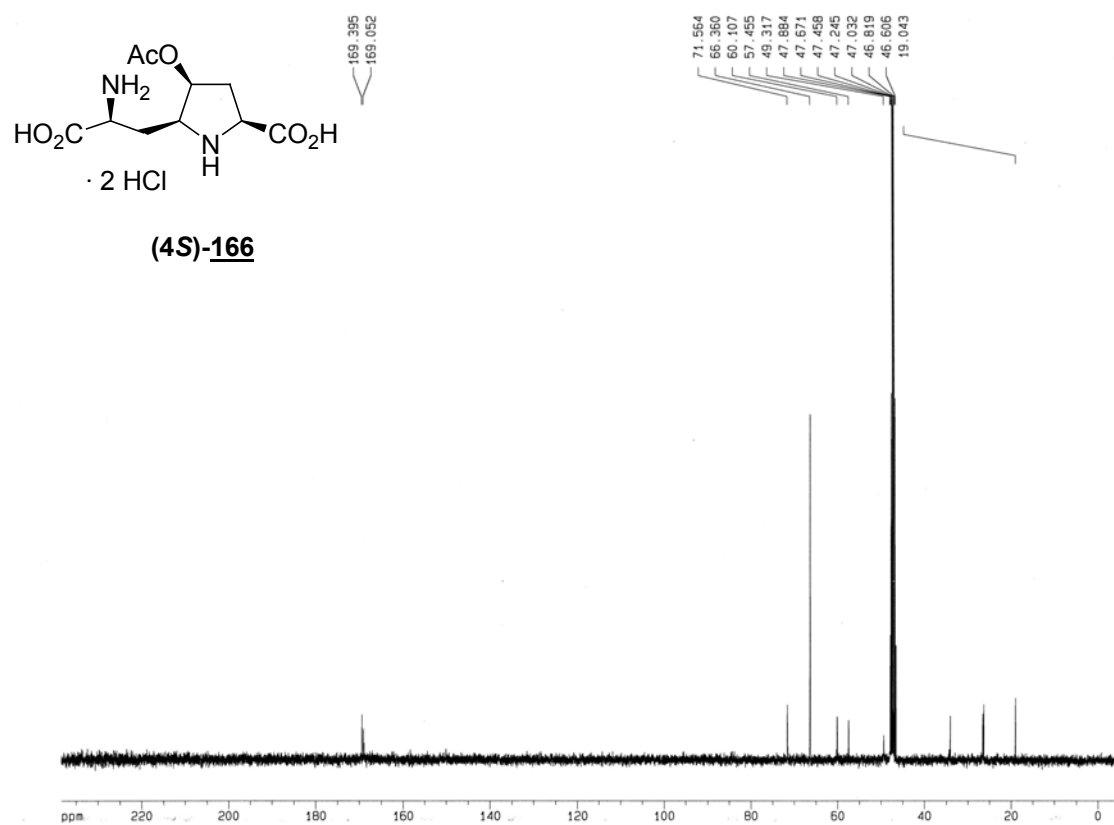
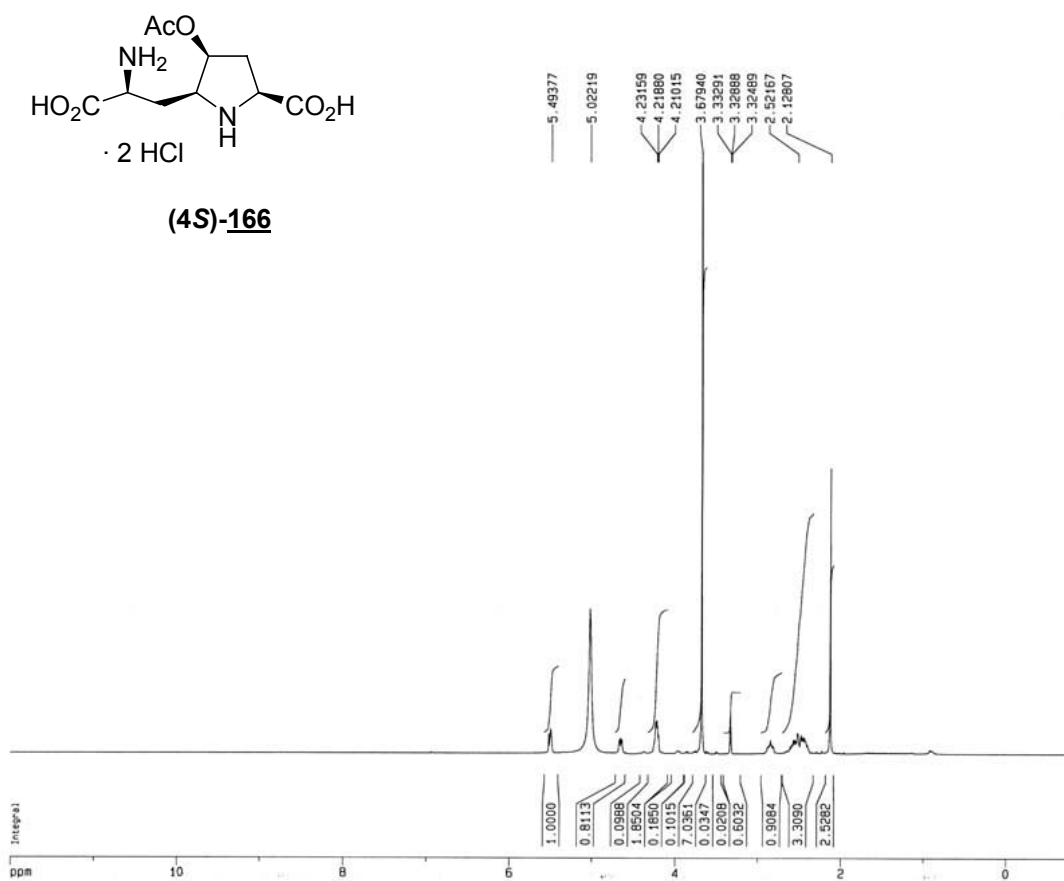


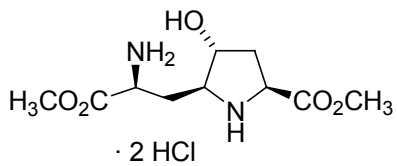
**(4R)-166**



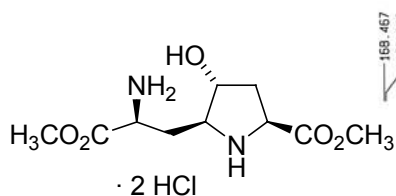
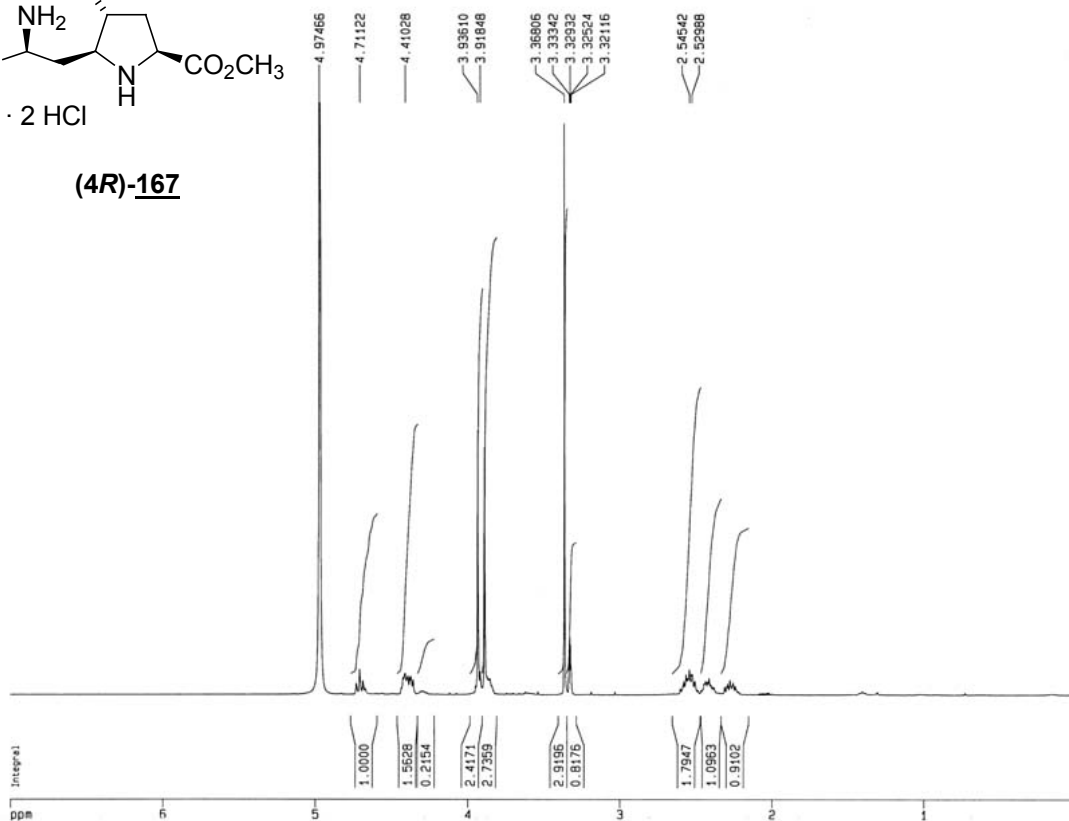
**(4R)-166**



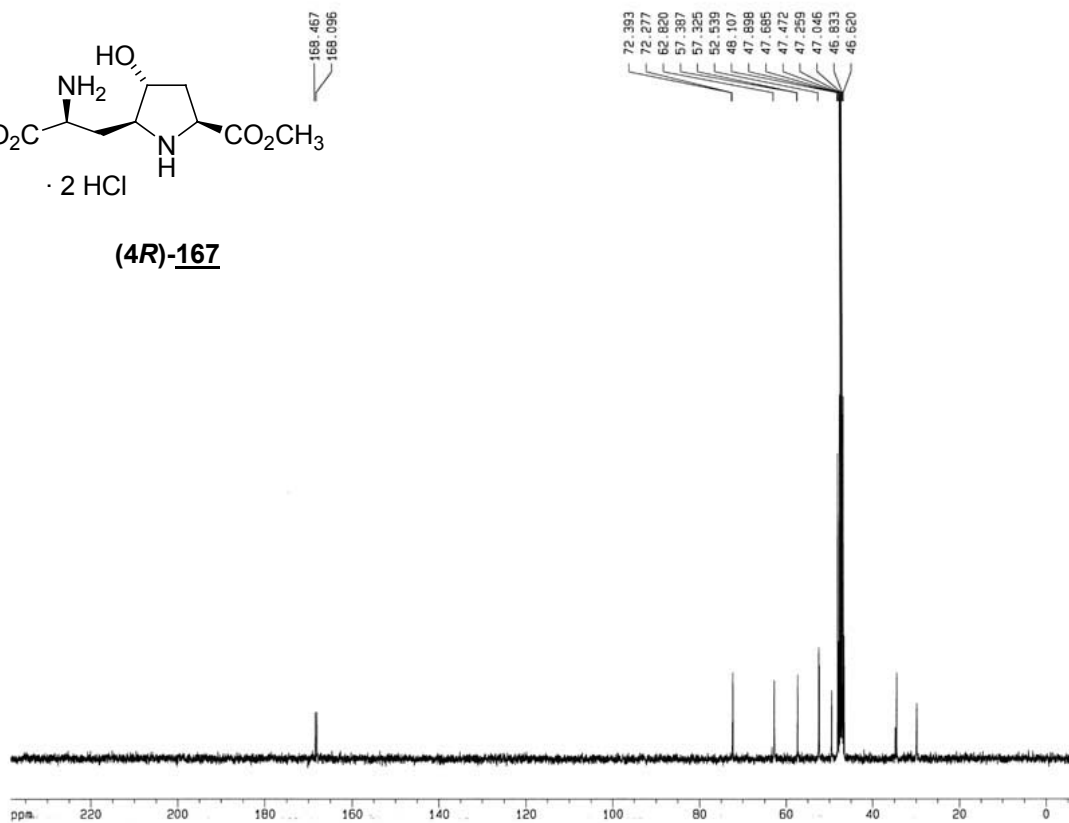


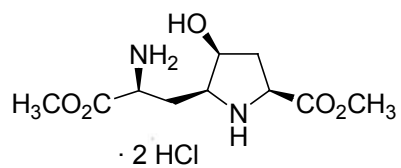


**(4R)-167**

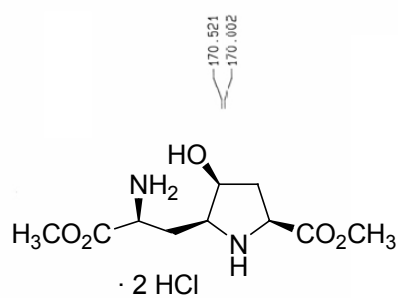
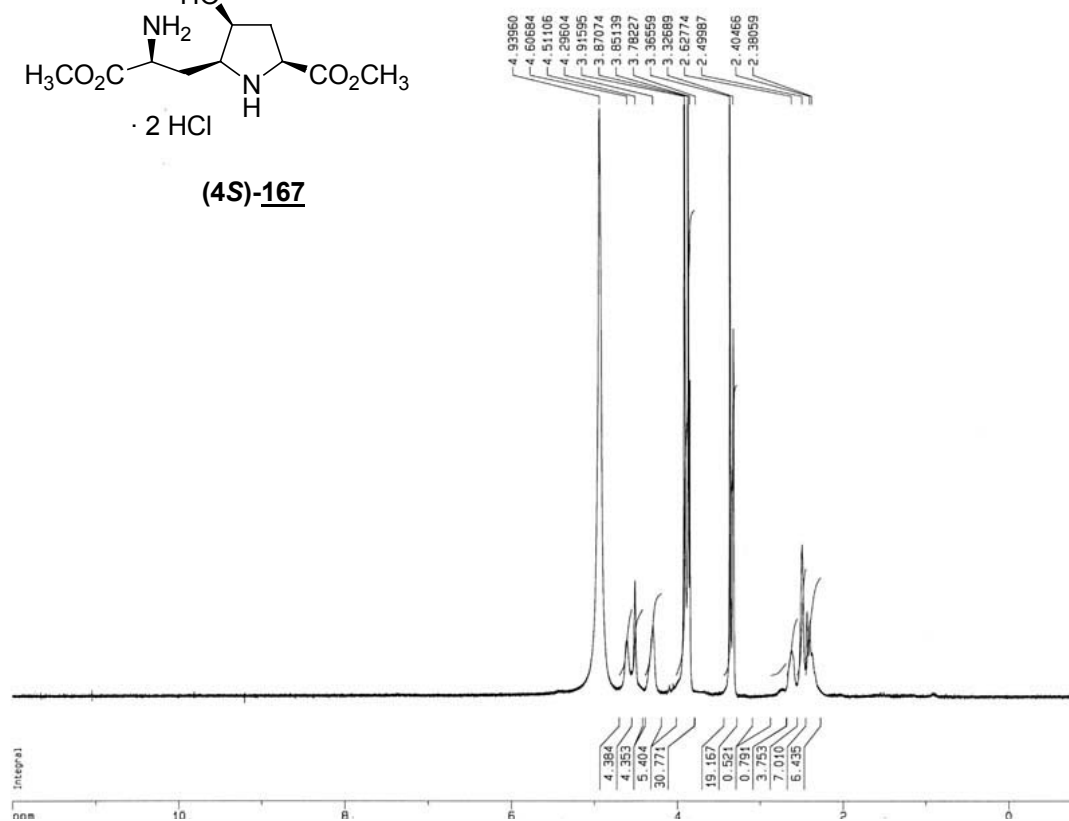


**(4R)-167**

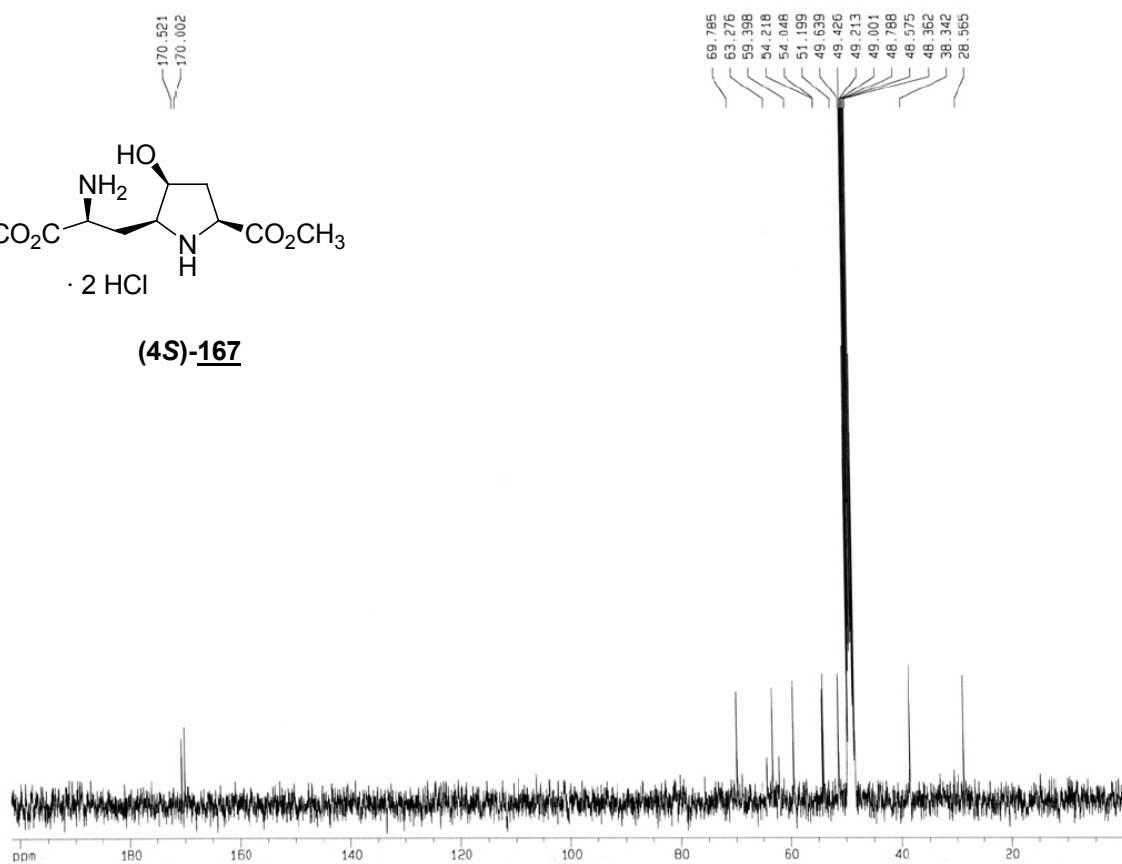




**(4S)-167**

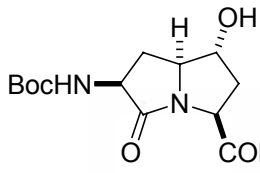


**(4S)-167**

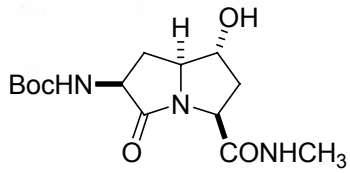
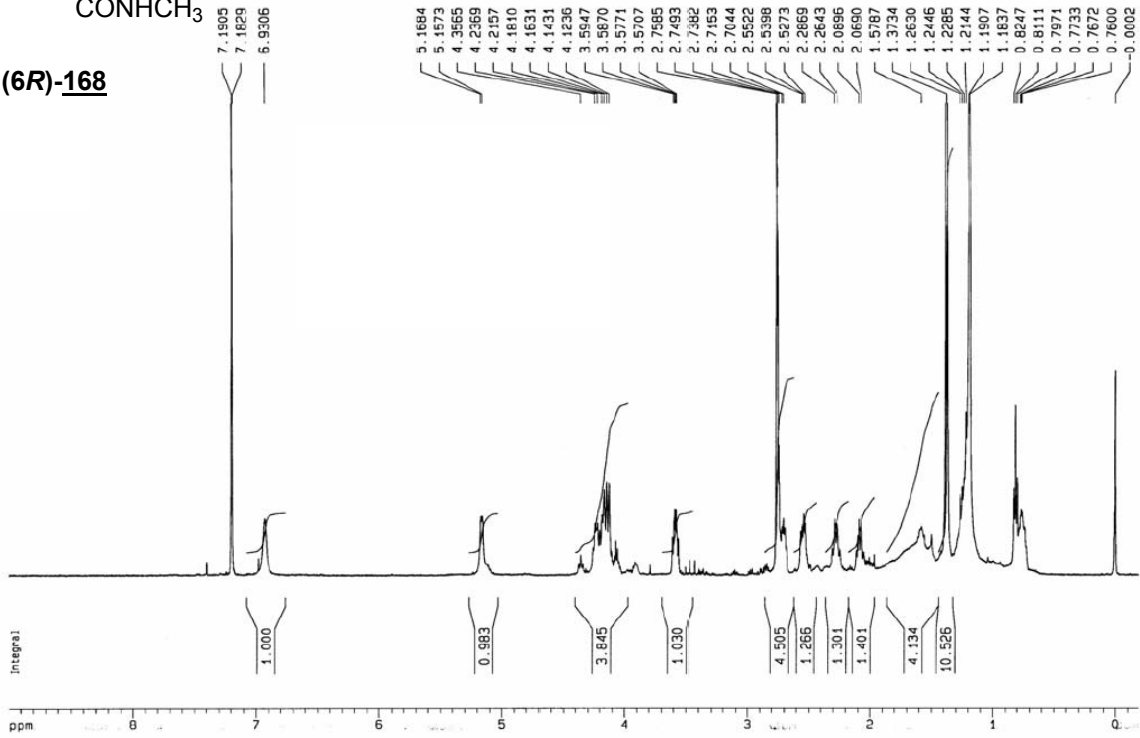




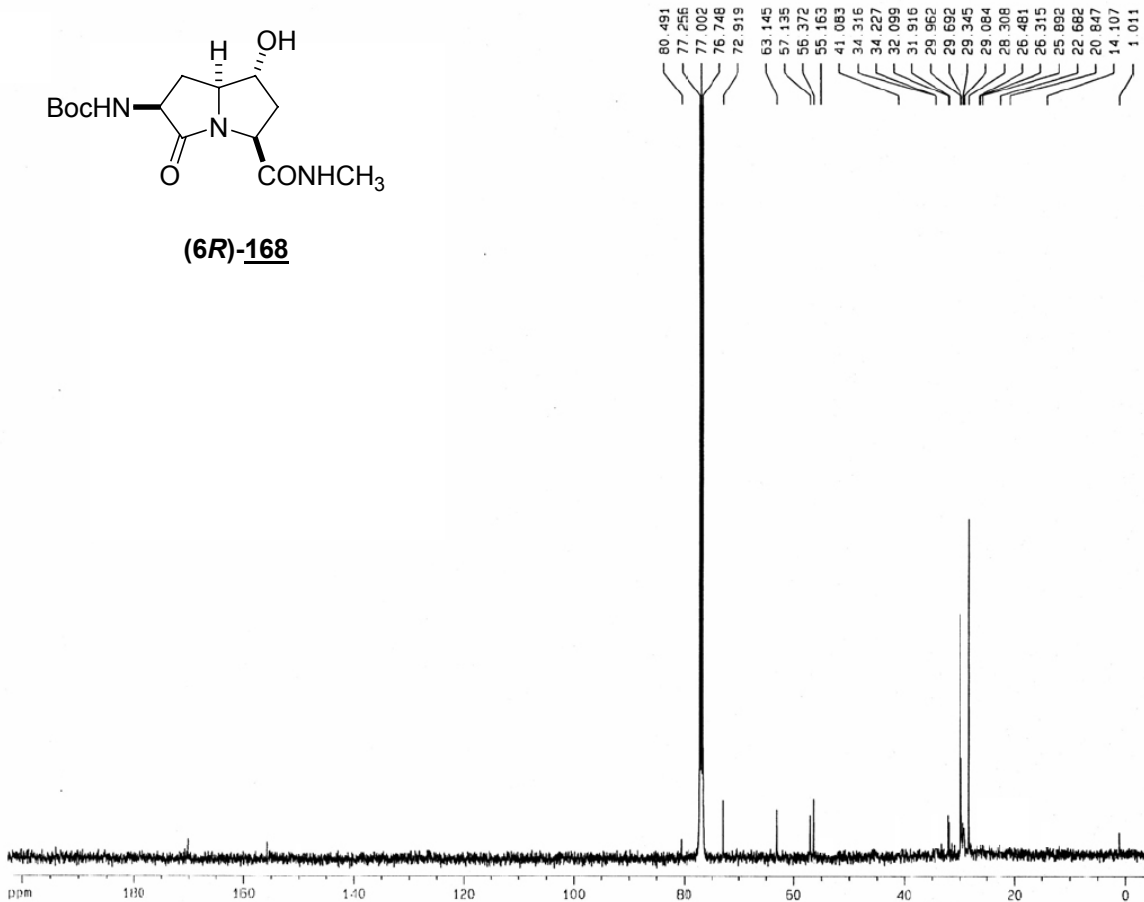
ESPECTRES

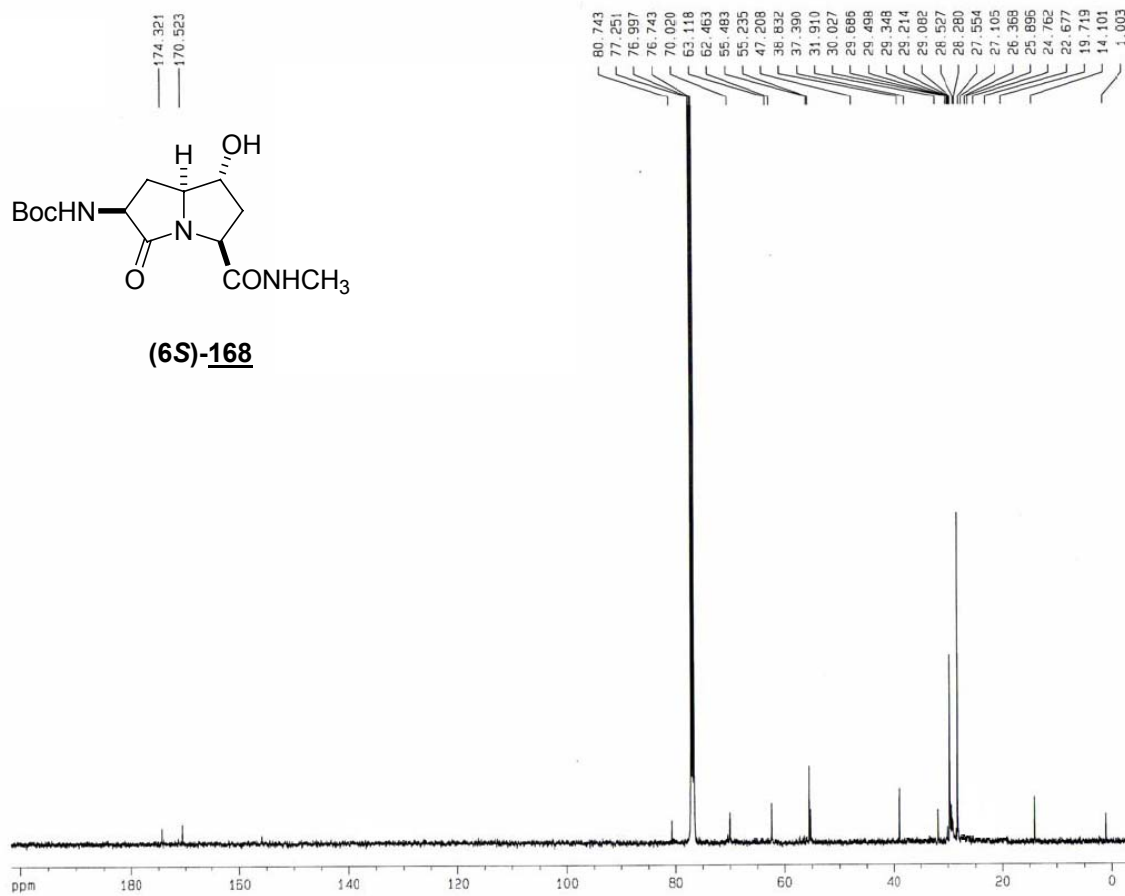
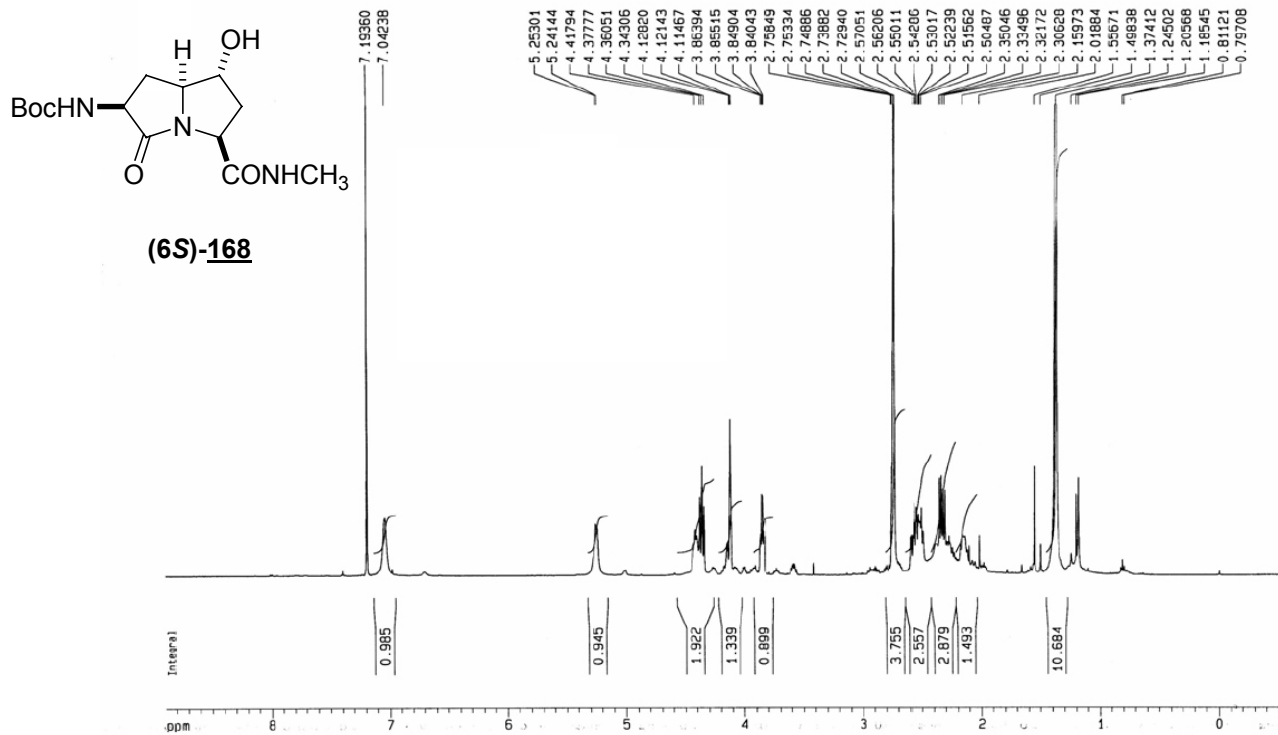


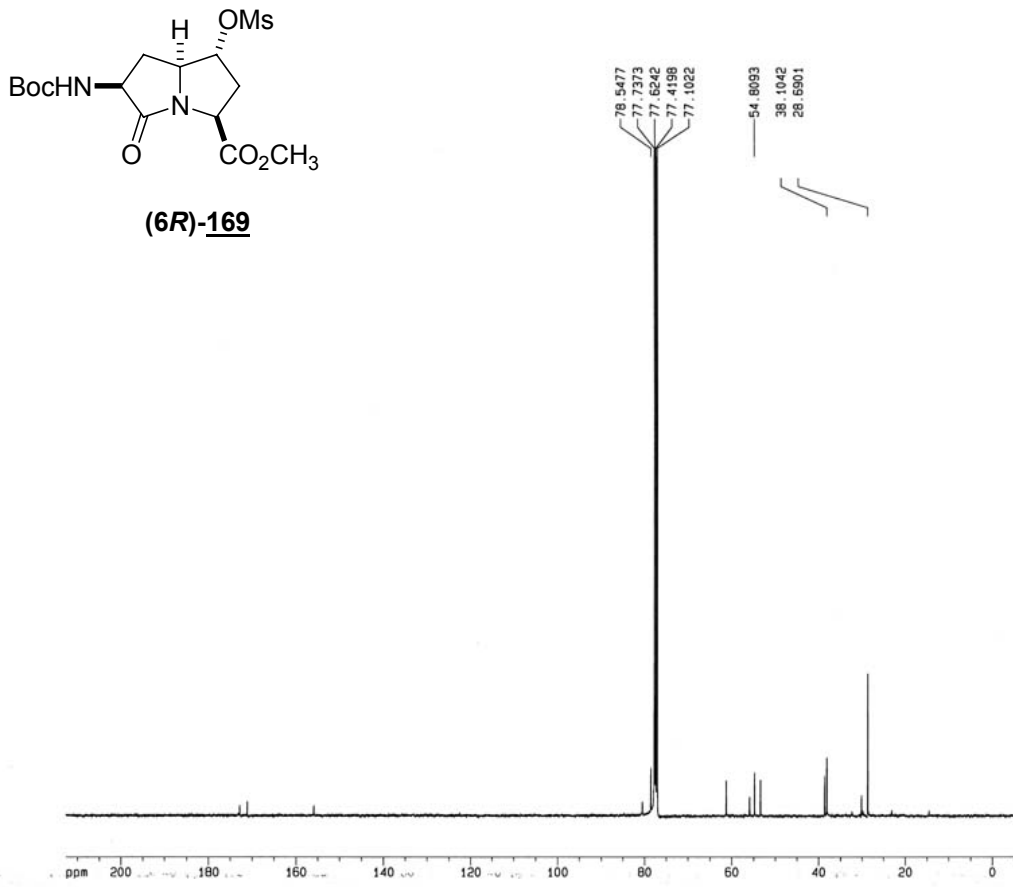
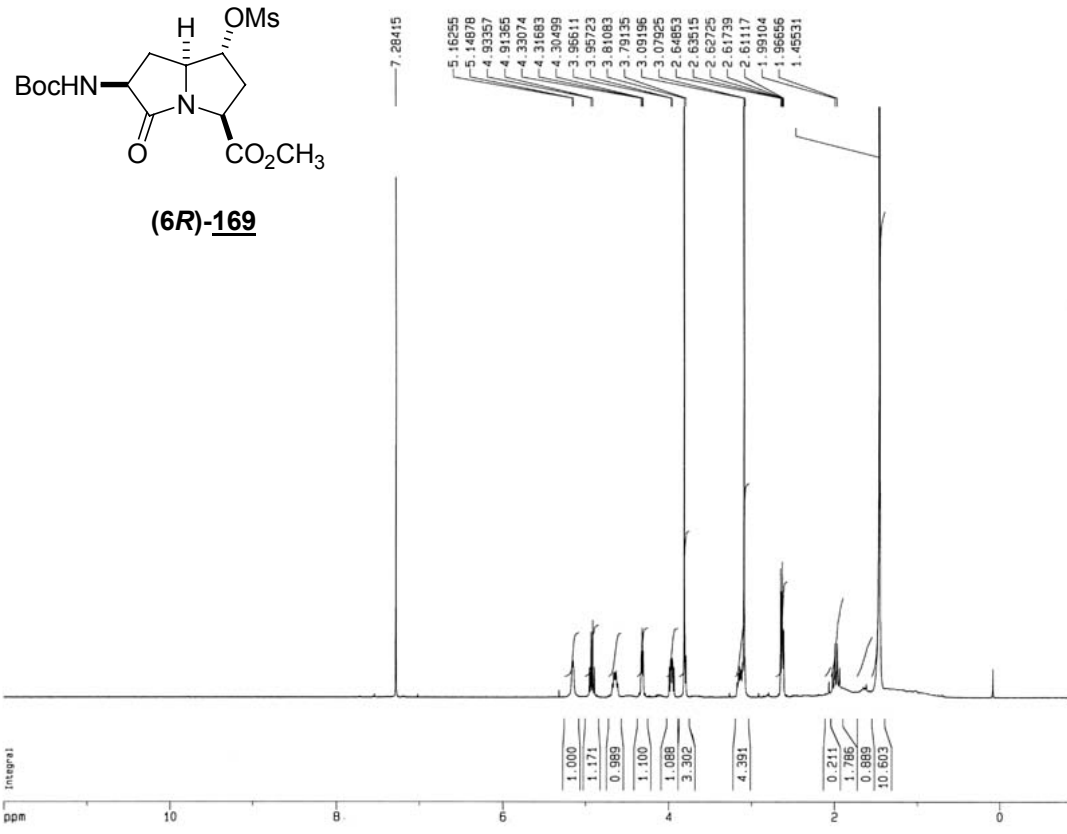
**(6R)-168**

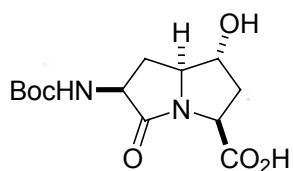


**(6R)-168**

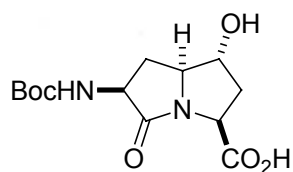
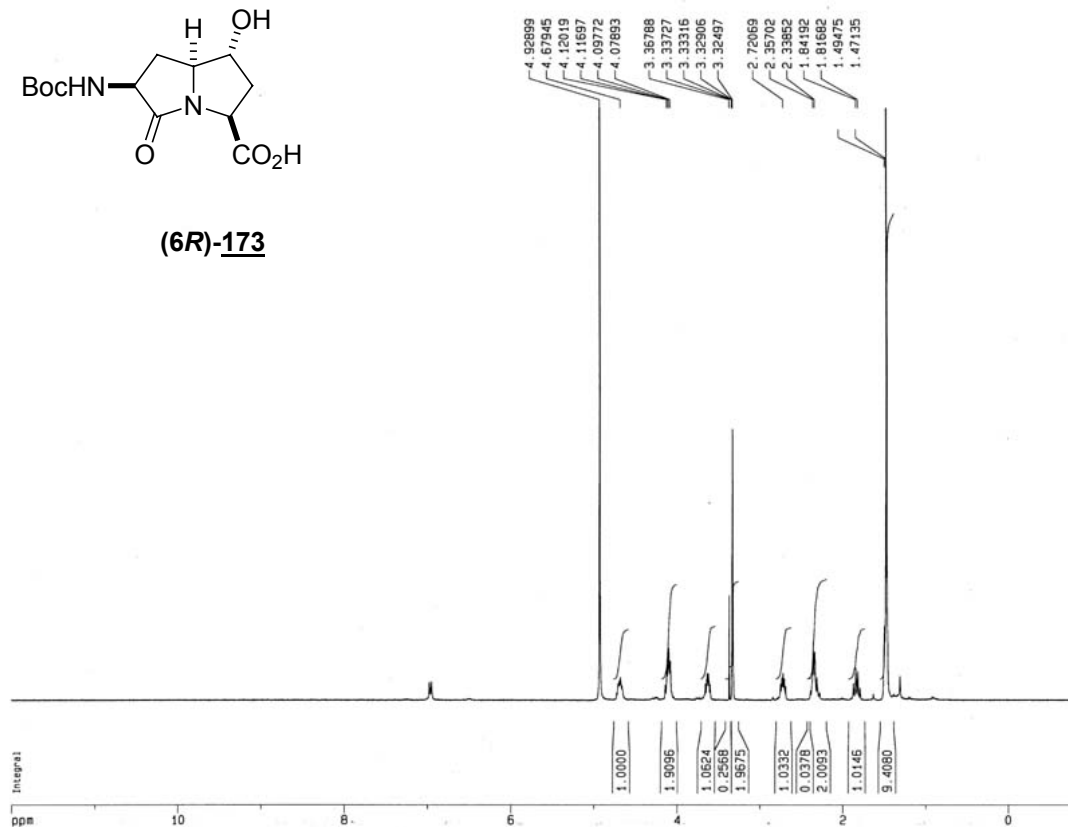




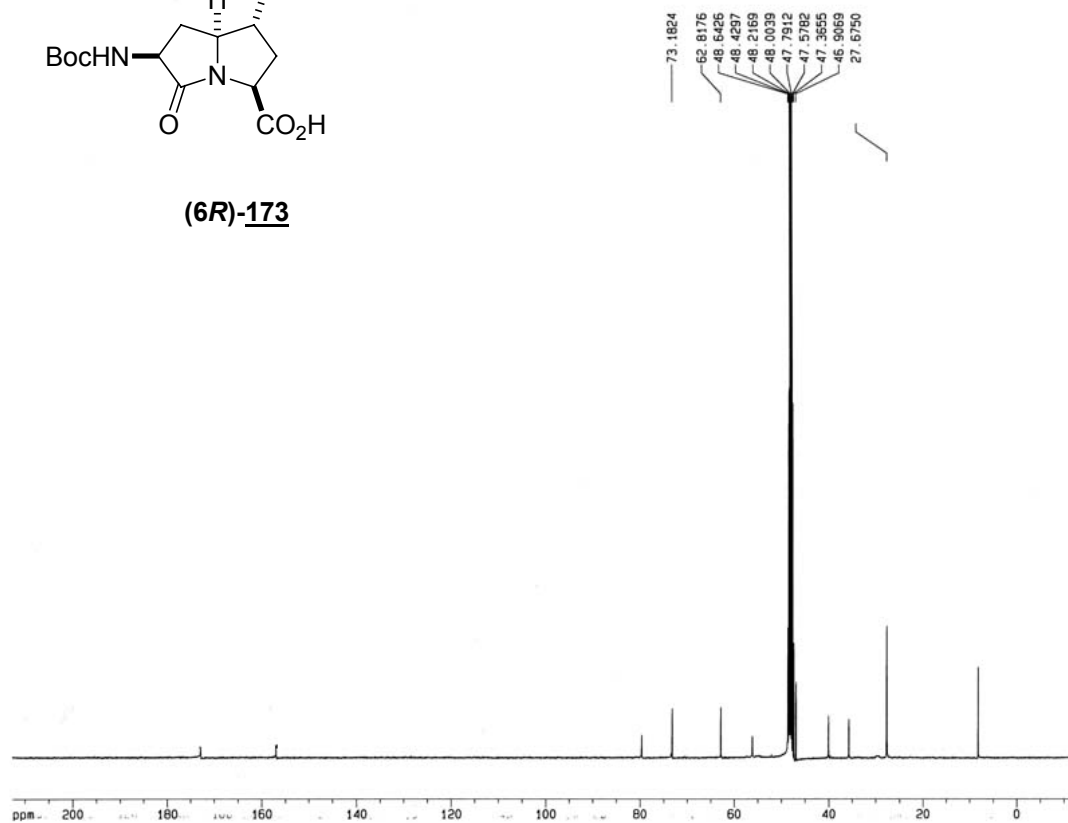


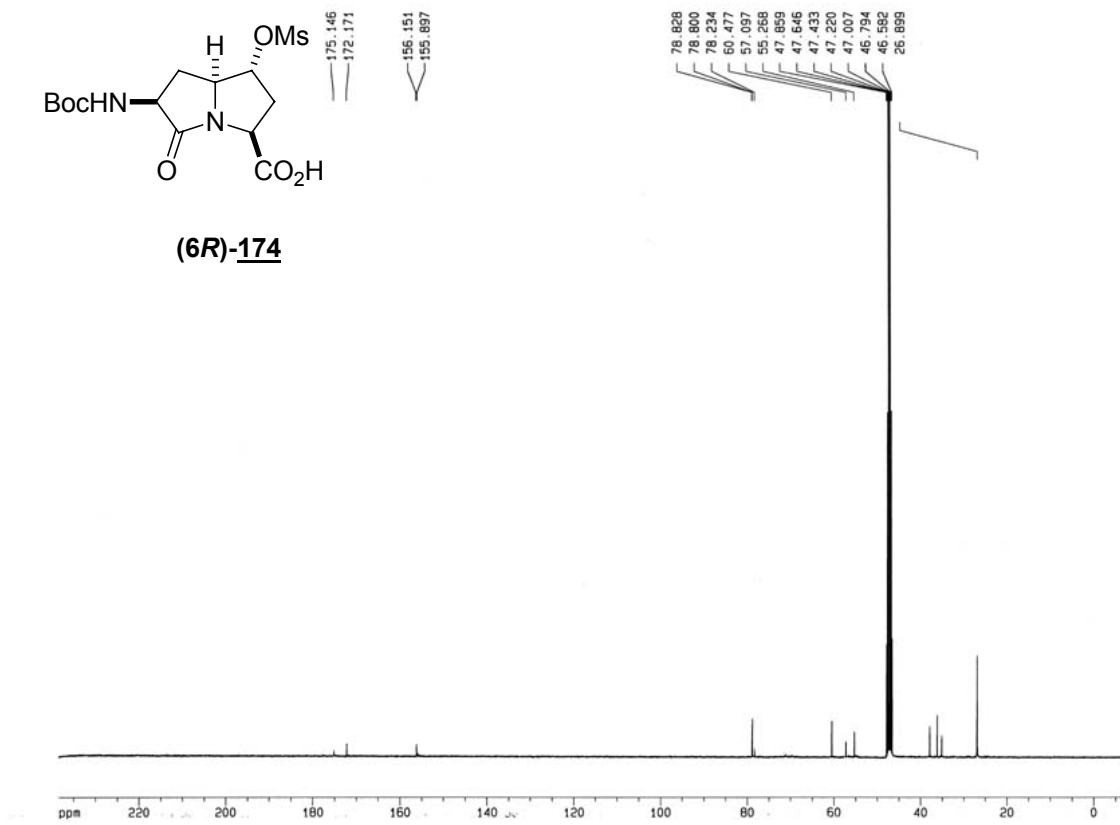
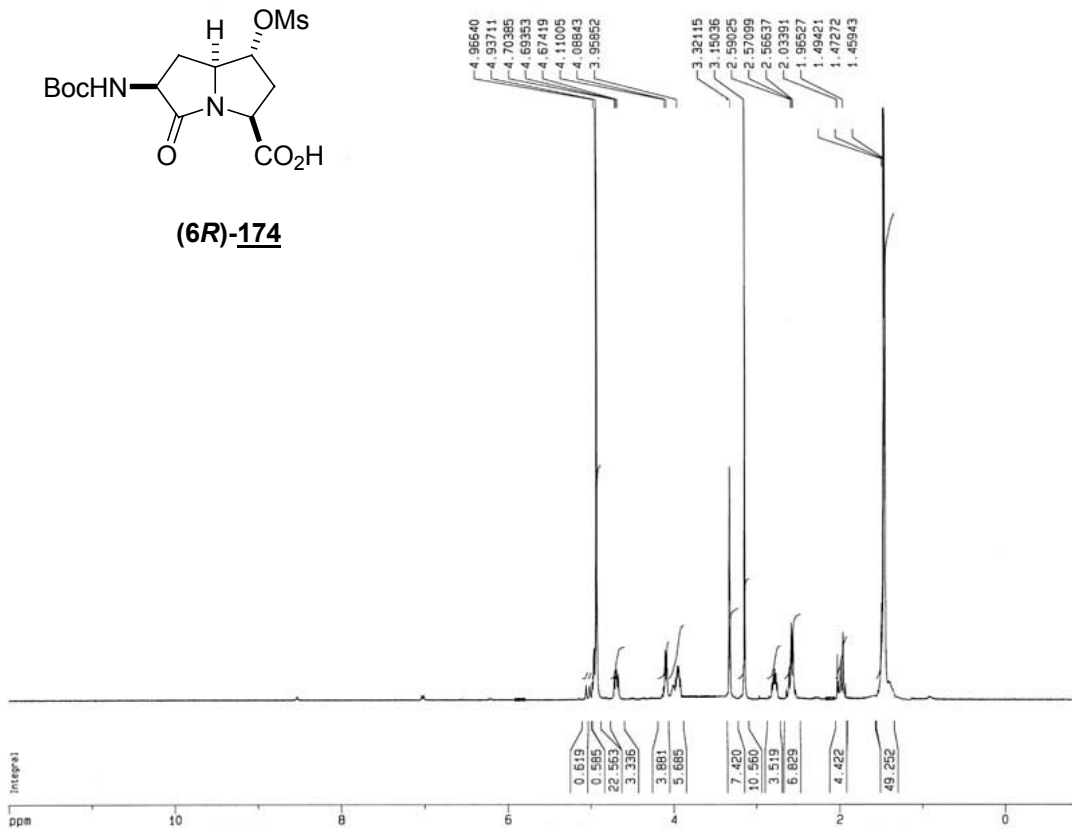


**(6R)-173**

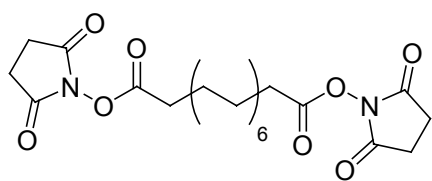
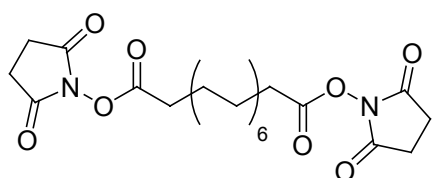
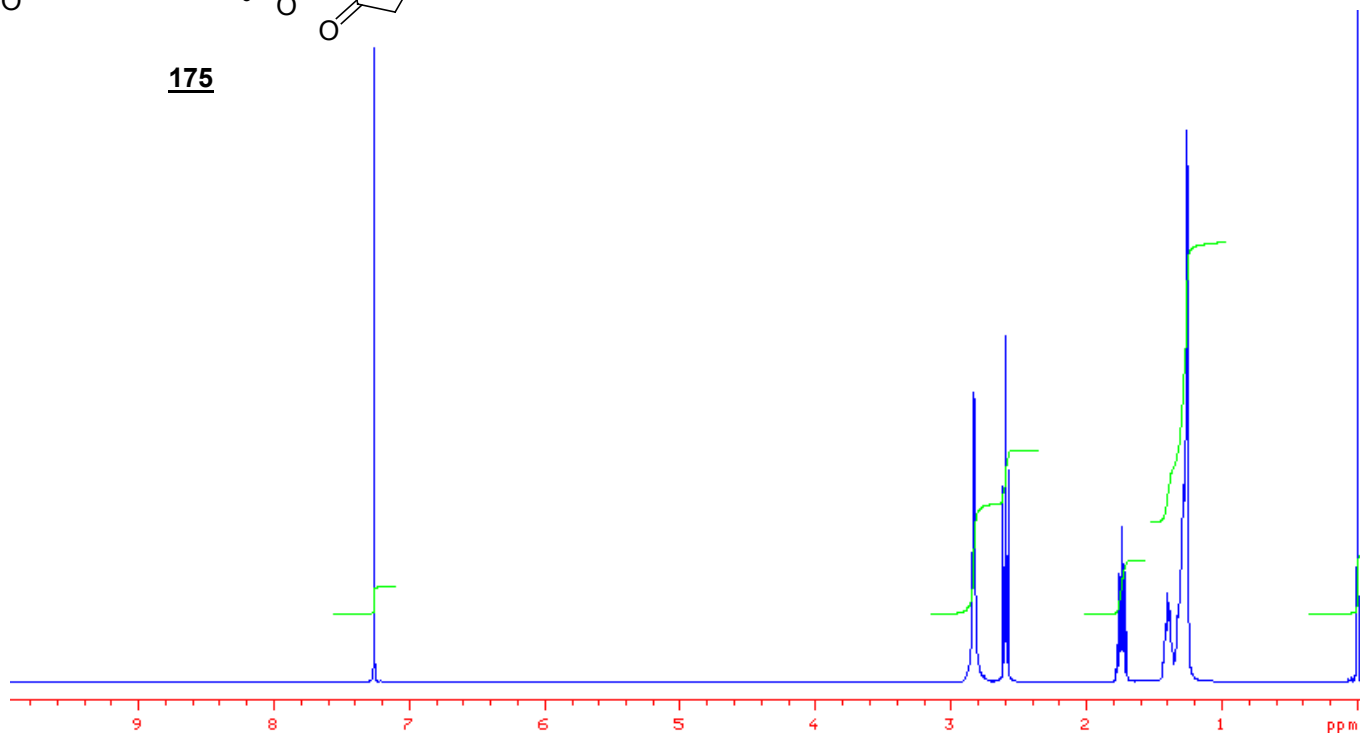
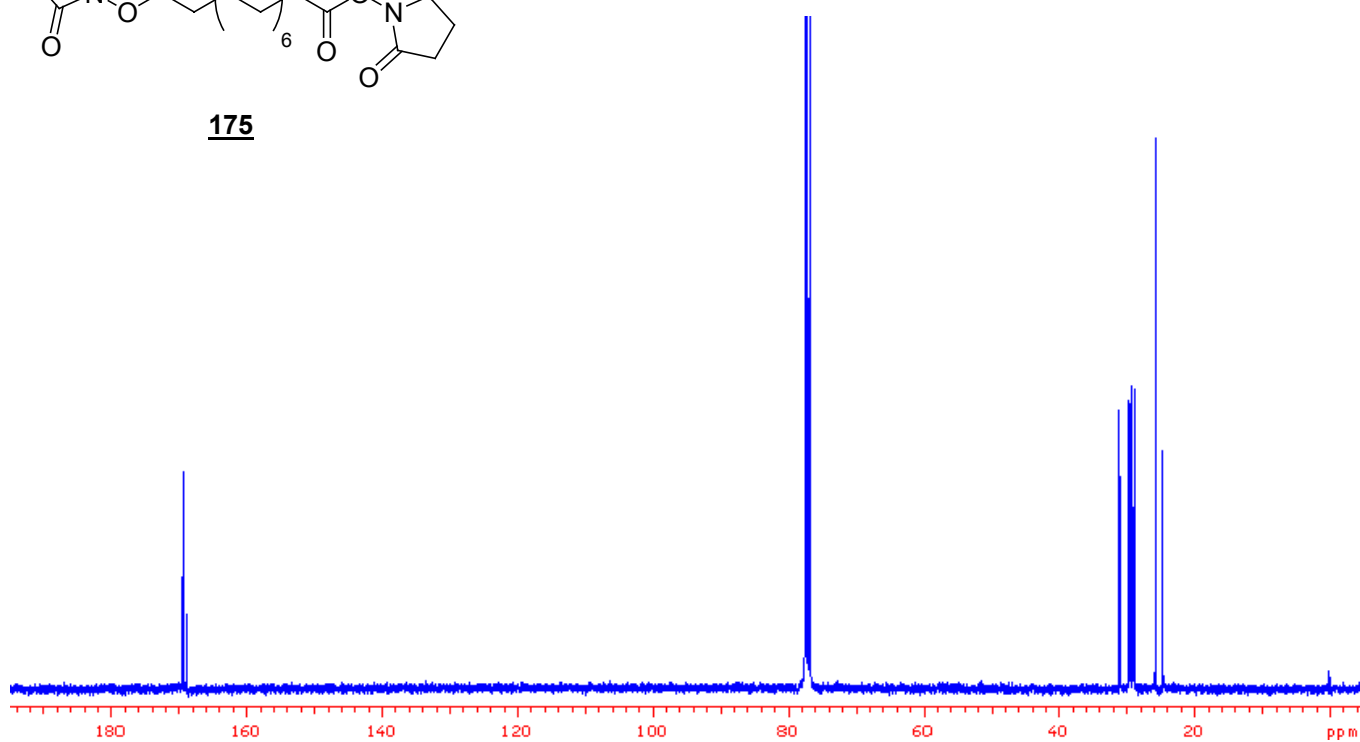


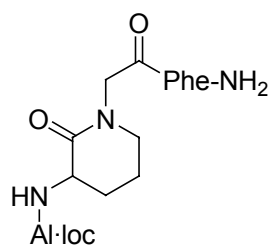
**(6R)-173**



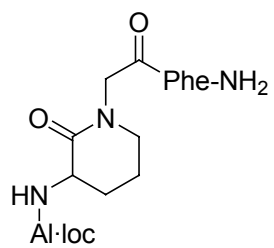
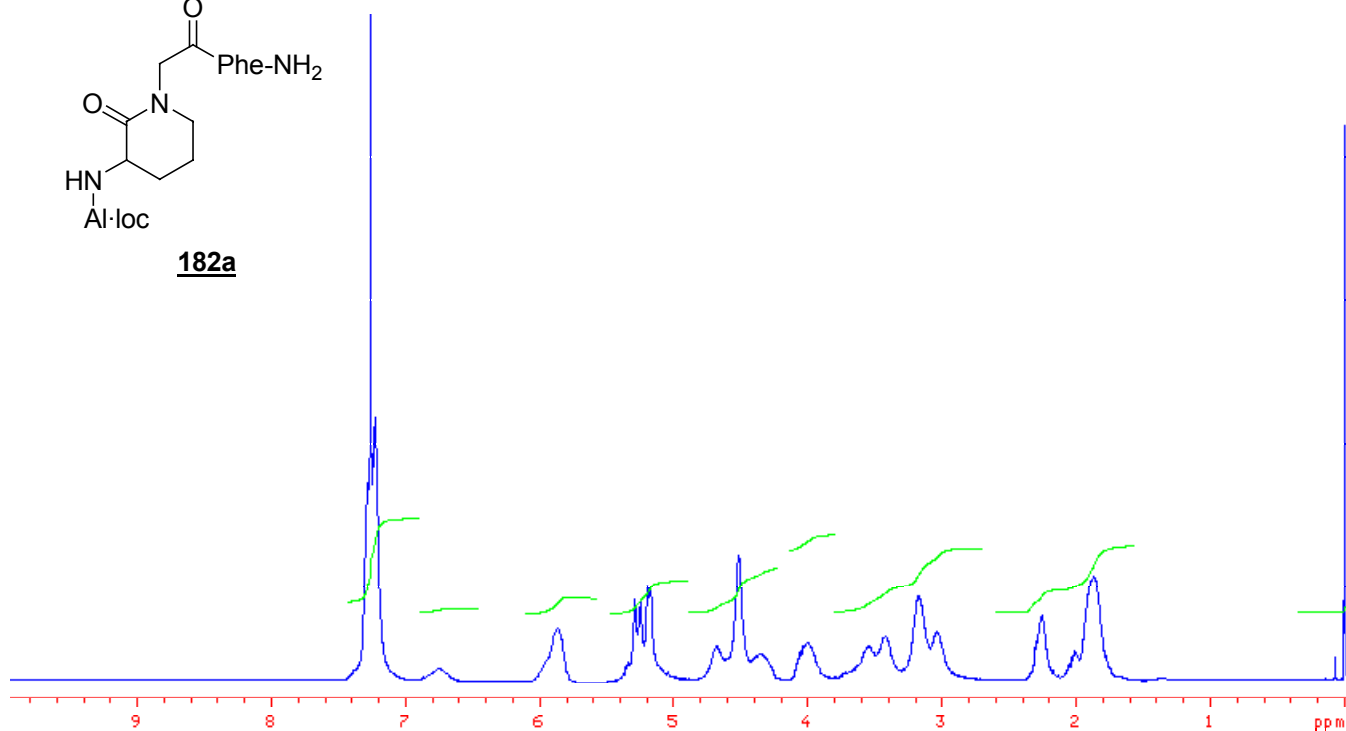


## 8.3 ESPECTRES CAPÍTOL 4

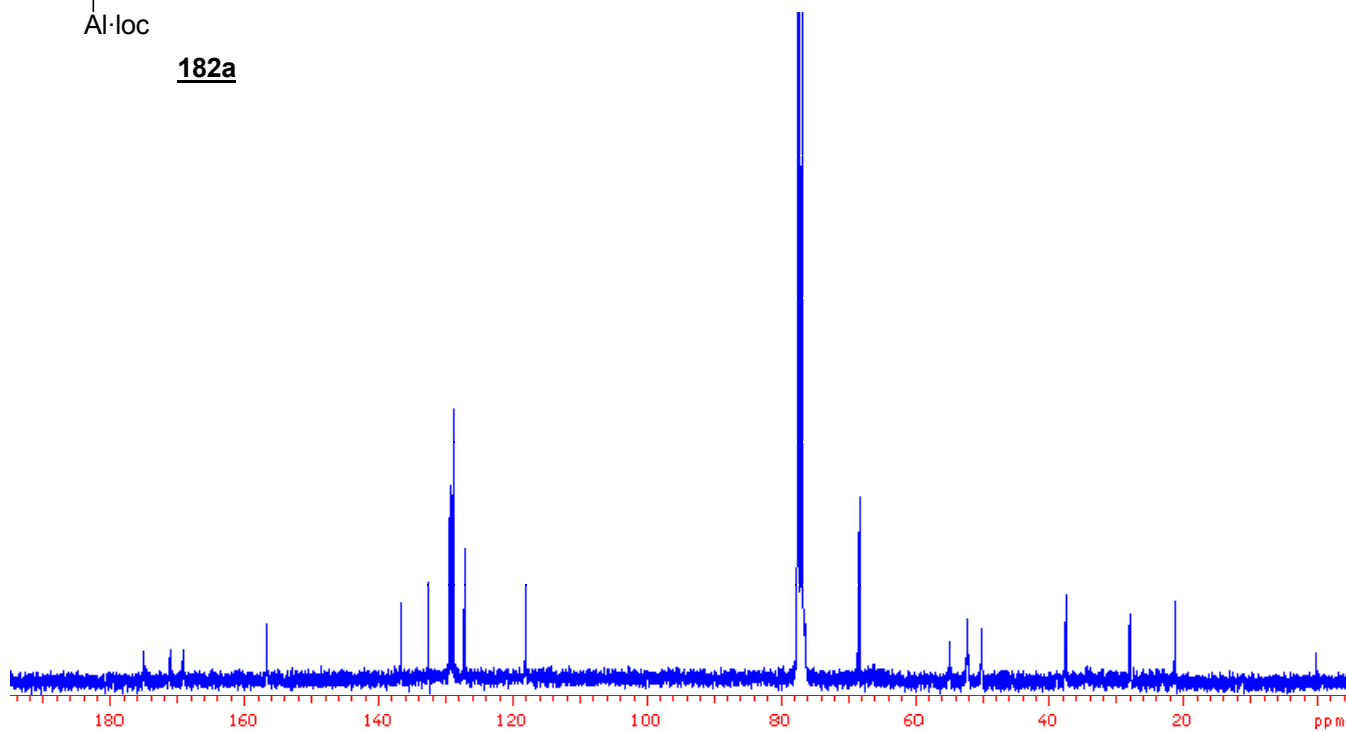
**175****175**

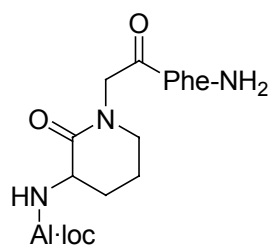
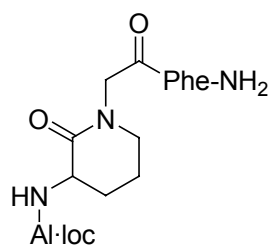
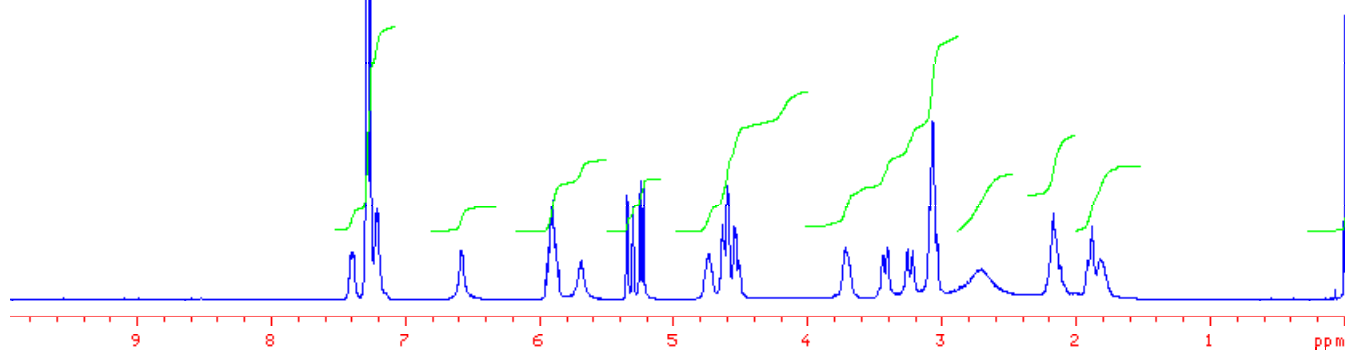
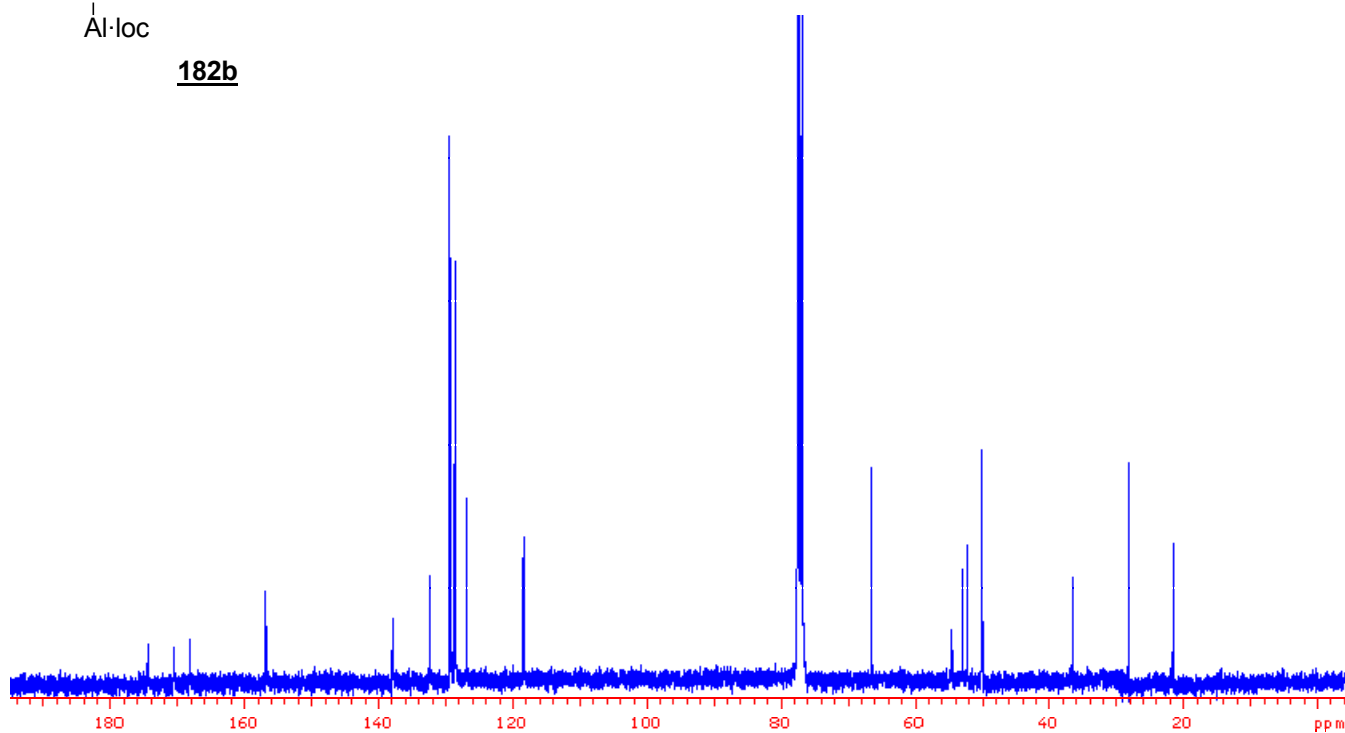


**182a**

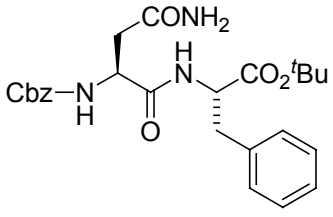


**182a**

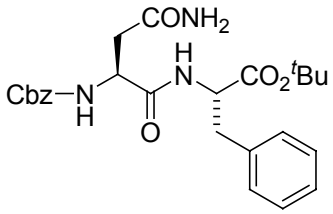
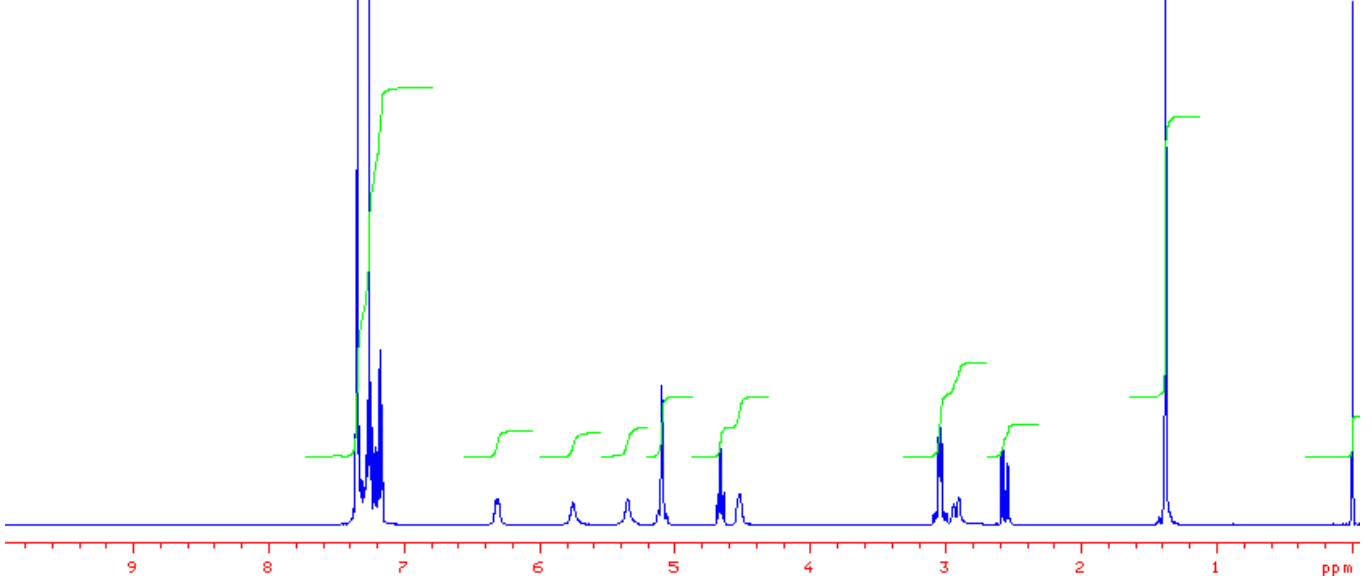


**182b****182b**

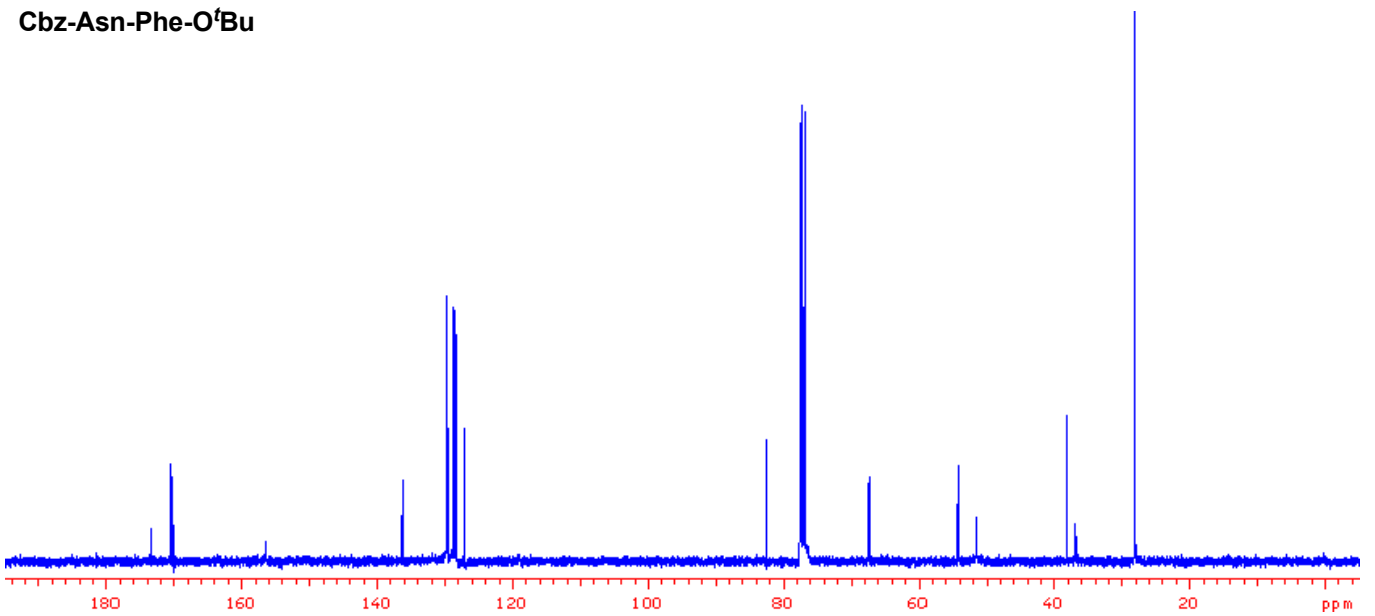


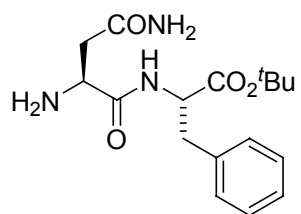
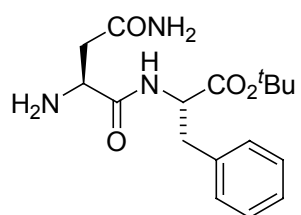
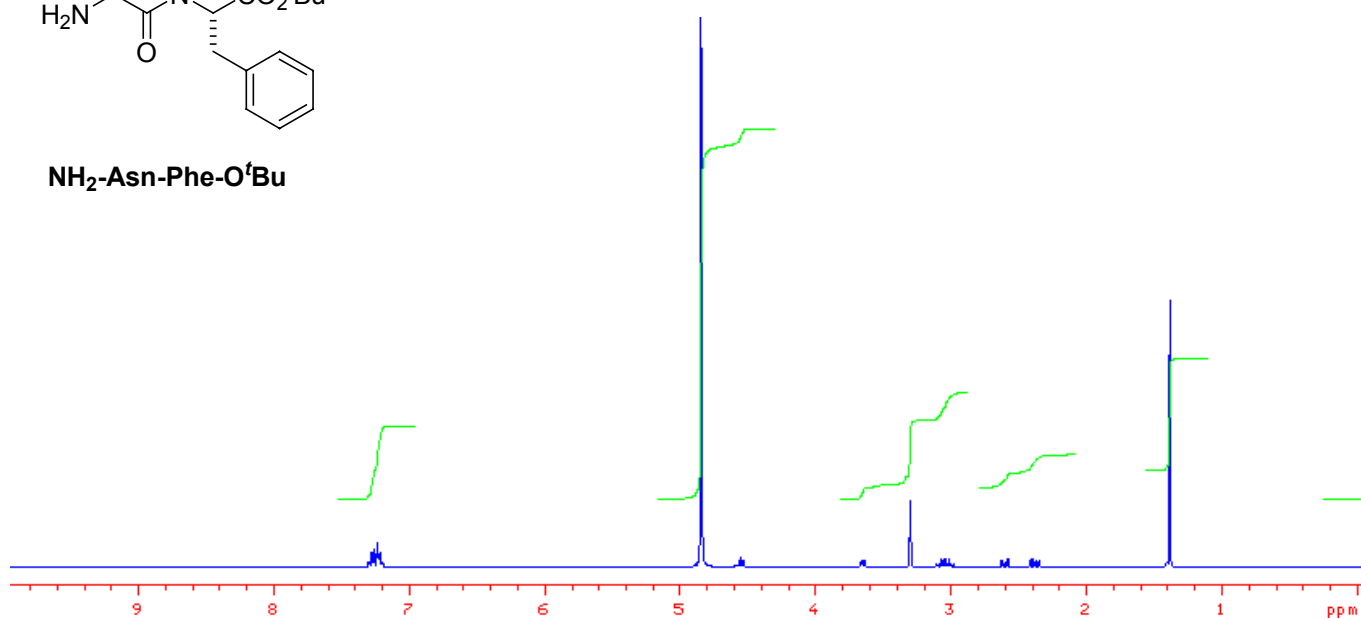
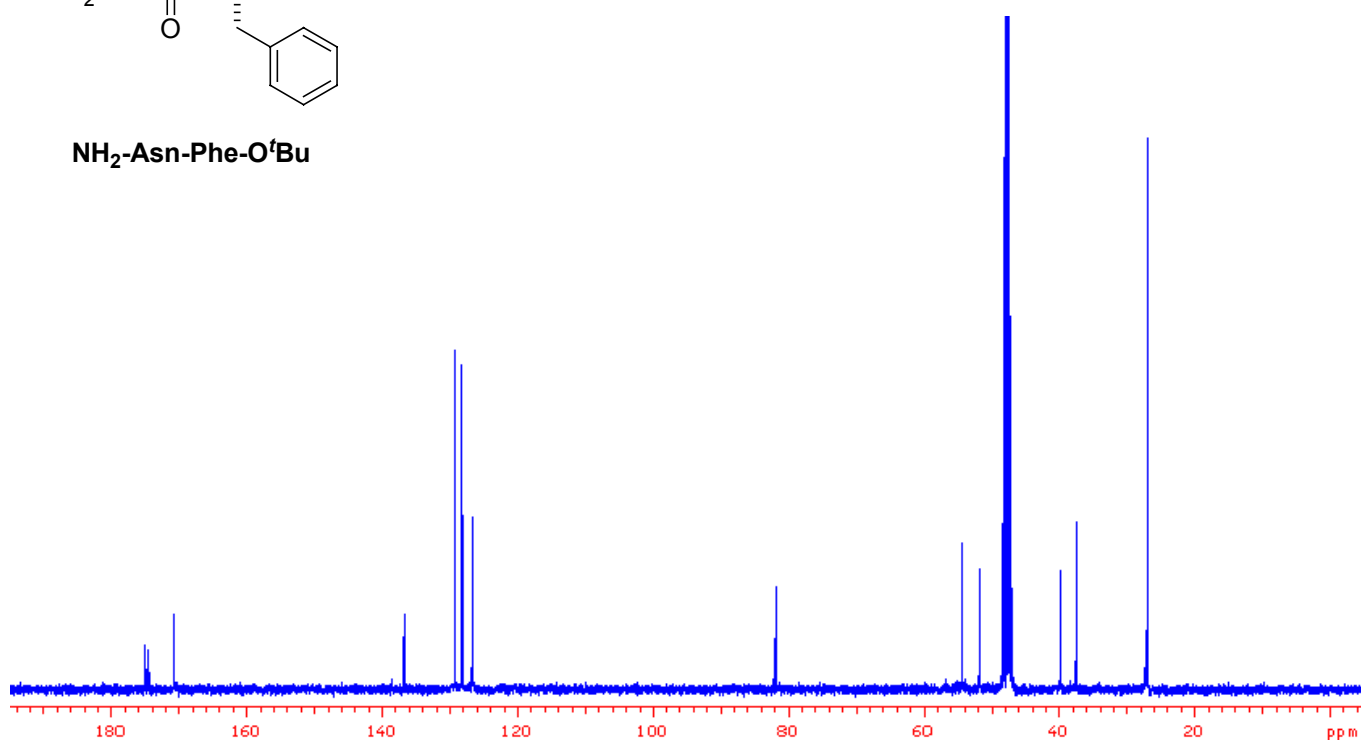


**Cbz-Asn-Phe-O<sup>t</sup>Bu**

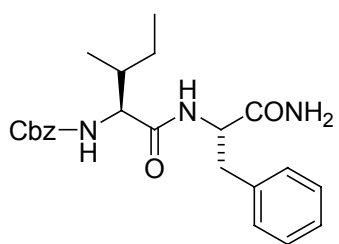


**Cbz-Asn-Phe-O<sup>t</sup>Bu**

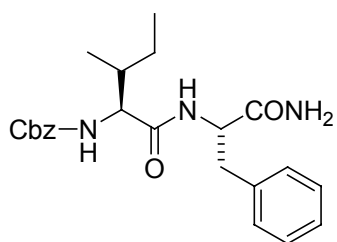
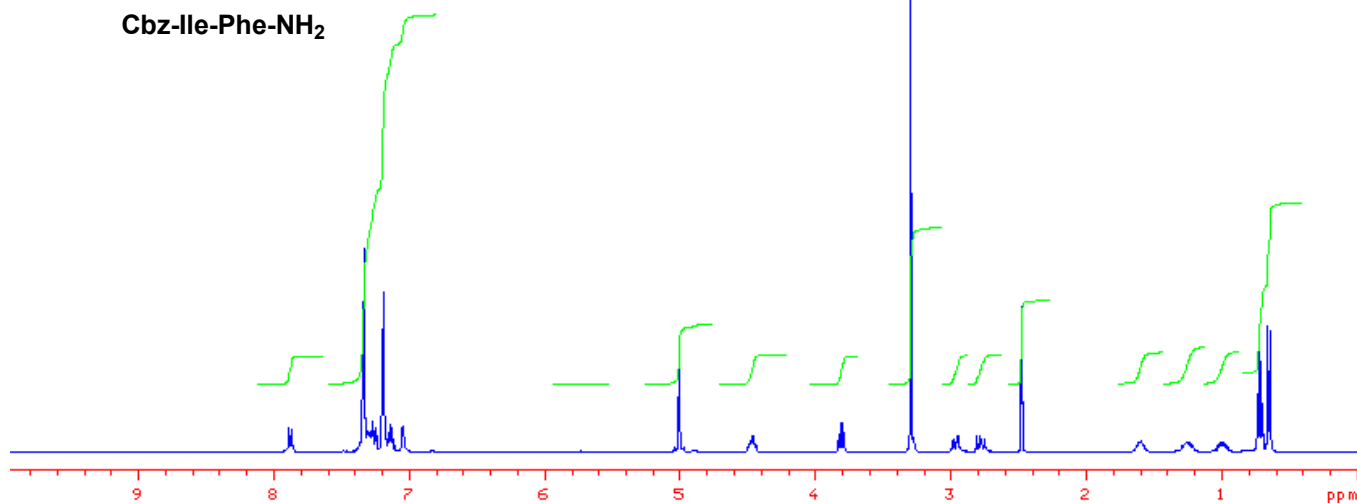


 $\text{NH}_2\text{-Asn-Phe-O}^t\text{Bu}$  $\text{NH}_2\text{-Asn-Phe-O}^t\text{Bu}$ 

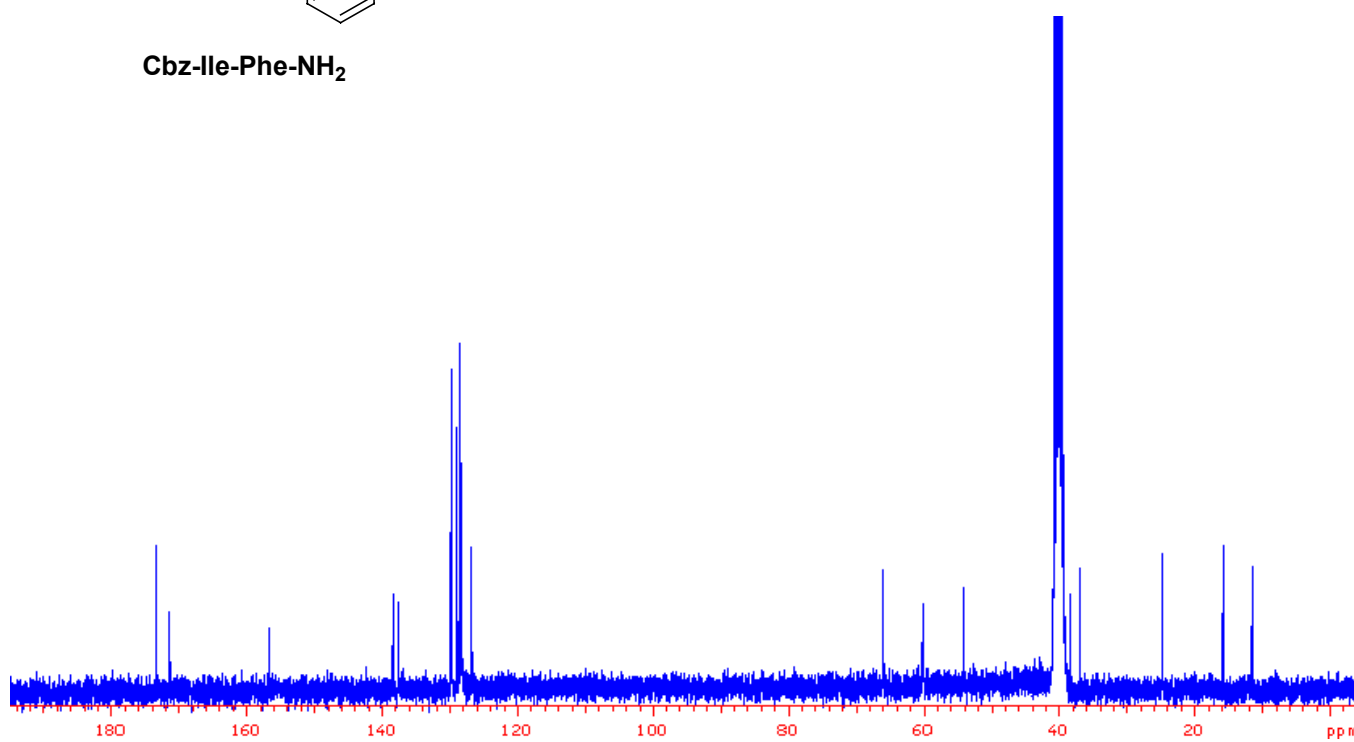
# ESPECTRES

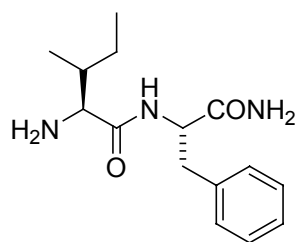
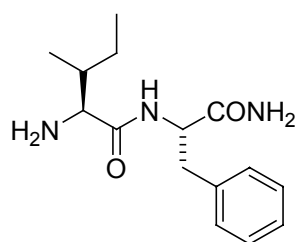
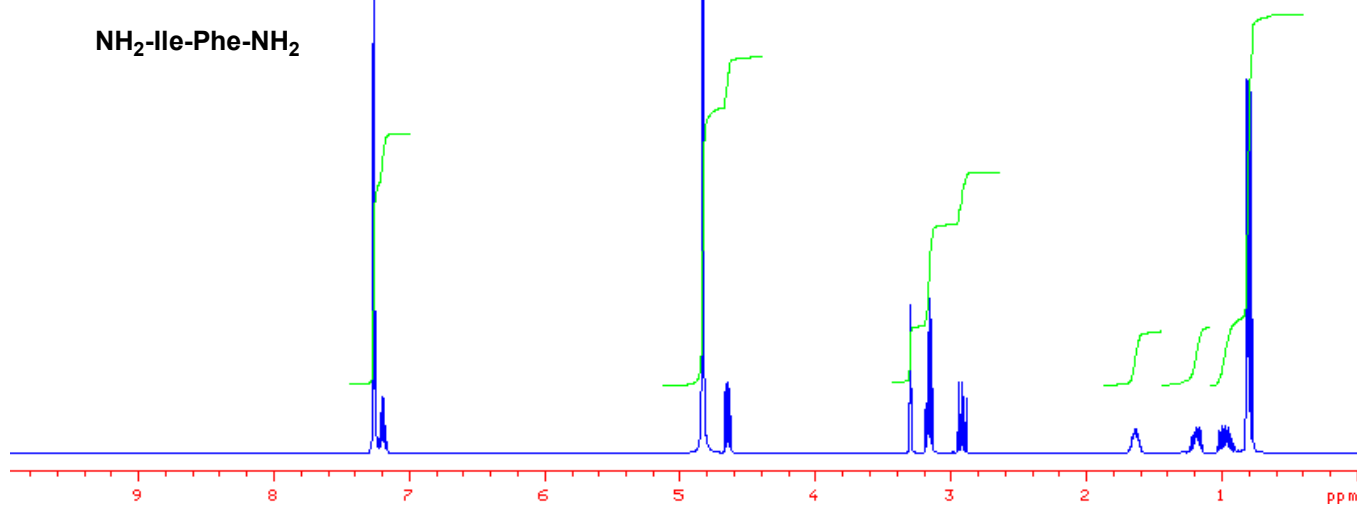


**Cbz-Ile-Phe-NH<sub>2</sub>**



**Cbz-Ile-Phe-NH<sub>2</sub>**



**NH<sub>2</sub>-Ile-Phe-NH<sub>2</sub>****NH<sub>2</sub>-Ile-Phe-NH<sub>2</sub>**