

Supporting Information

**THE SYNTHESIS AND GLYCOSIDASE INHIBITORY ACTIVITY OF
ANALOGUES OF TIRUCHANDURAMINE**

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Aberystwyth University, SY23 3DA, Wales, UK

Additional figures 2 and 3

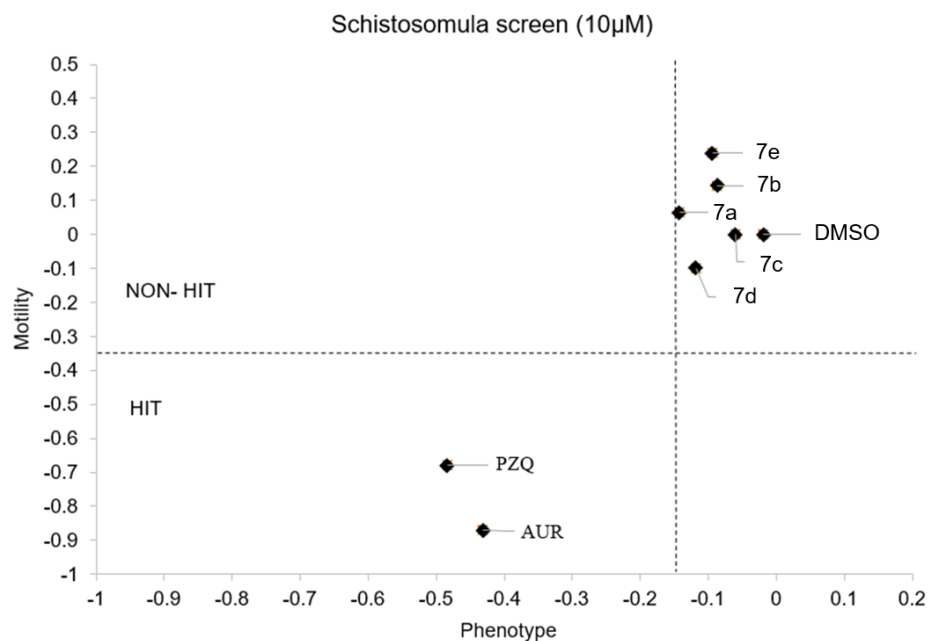


Figure 2. Analysis of the effect of the five compounds **7a-e** against schistosomula (10 µM). A total of 120 parasites were co-cultured with 10 µM concentration of each compound for 72 hours. Only the positive controls praziquantel (PZQ) and Auranofin (AUR) fell within the hit region- compounds that affect both phenotype and motility of the parasites.

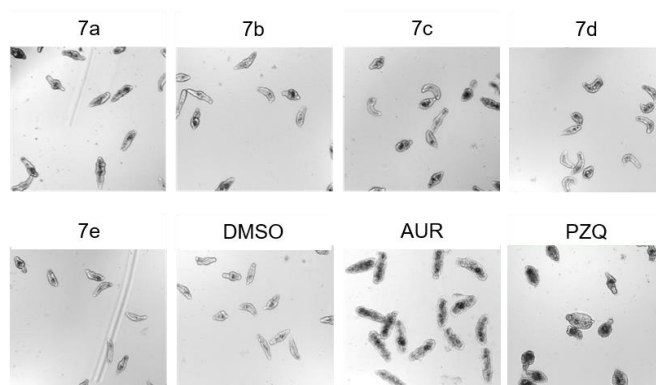
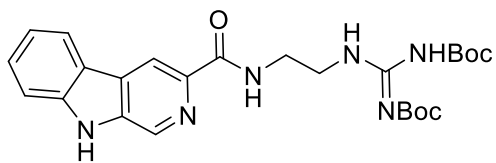
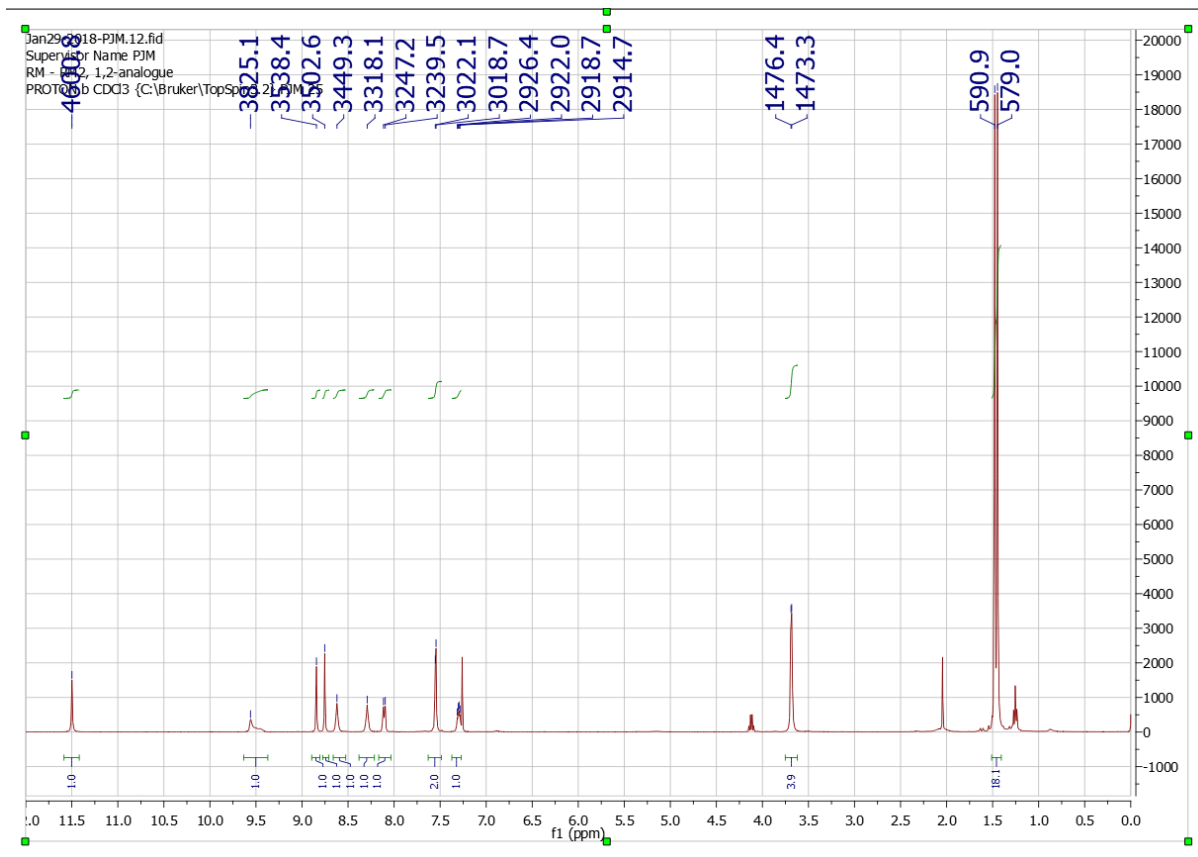


Figure 3. Phenotype images of schistosomula after 72 h co-culture with each compound. In comparison to parasites cultured with the positive controls praziquantel (PZQ) and Auranofin (AUR), the five compounds (**7a-e**) did not induce abnormal schistosomula phenotypes and were similar to parasites co-incubated with DMSO (negative control).

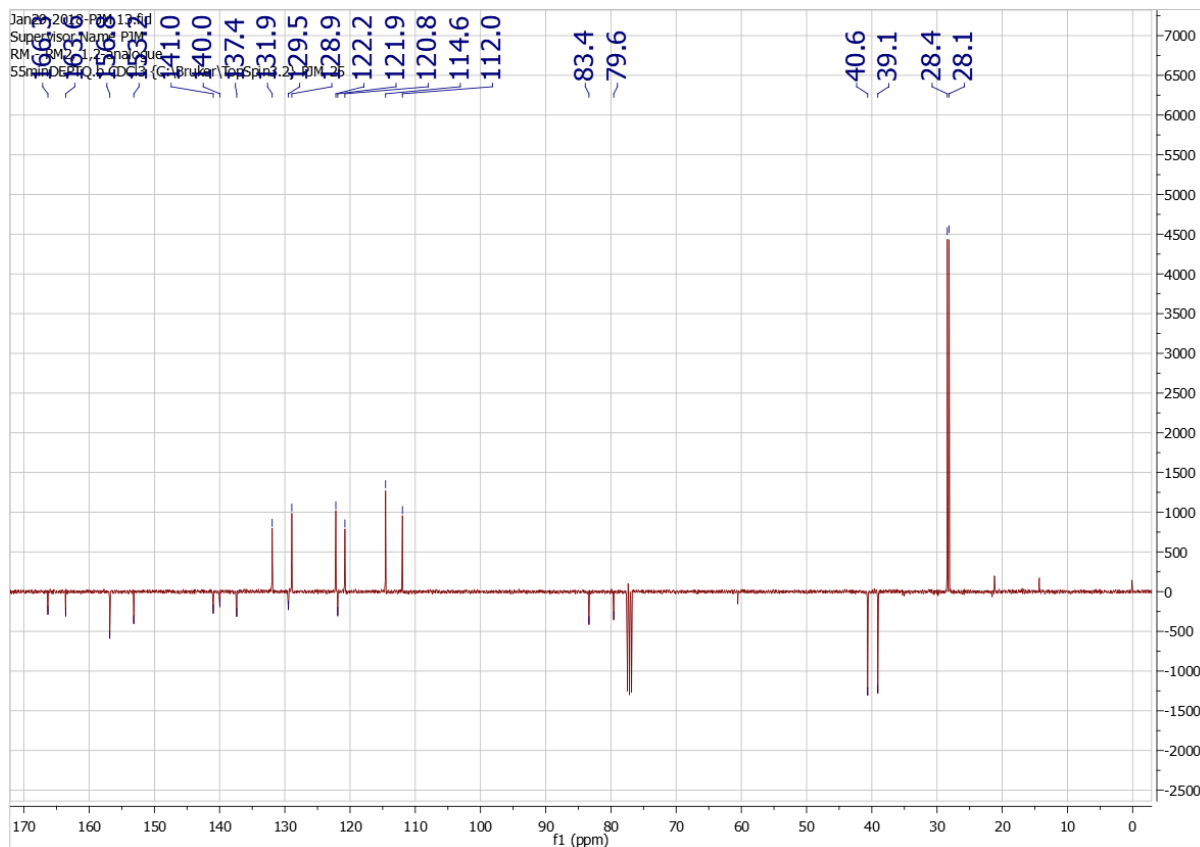
NMR data (^1H , ^{13}C (DEPT-Q), COSY and HSQC)



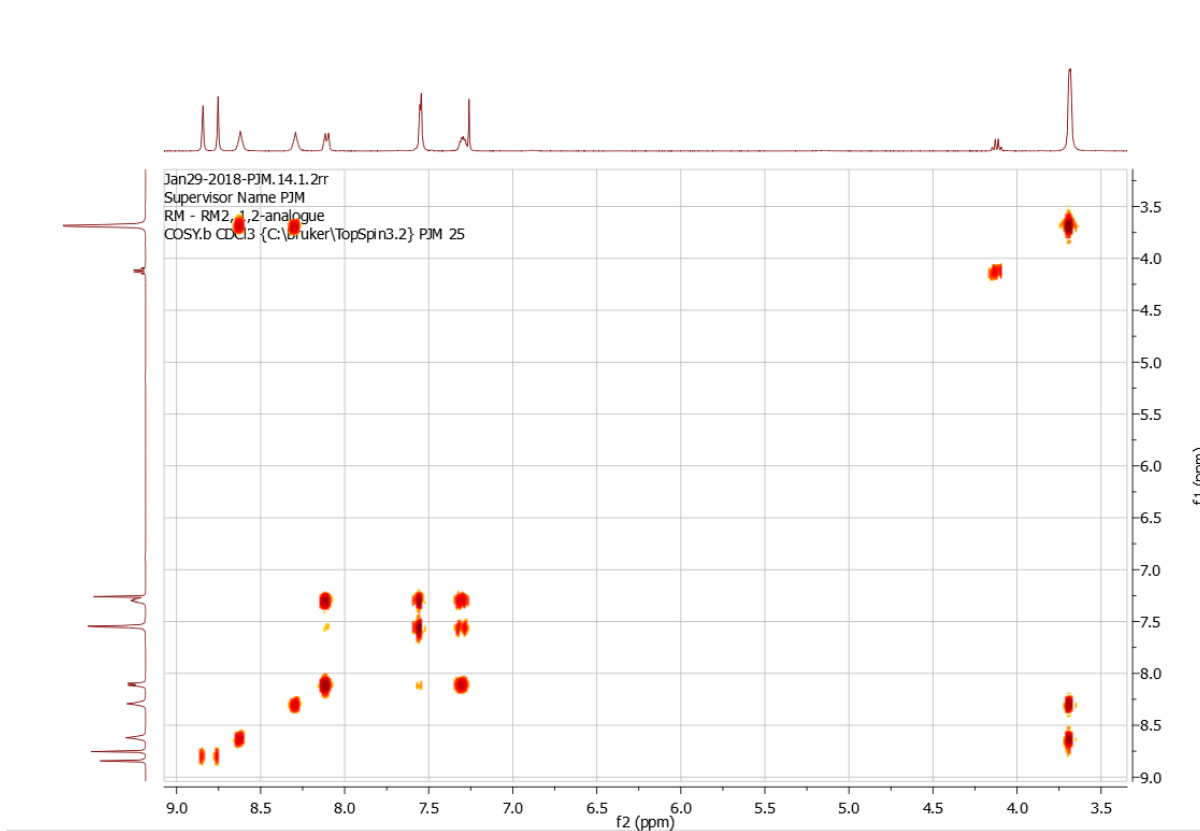
6a ^1H data



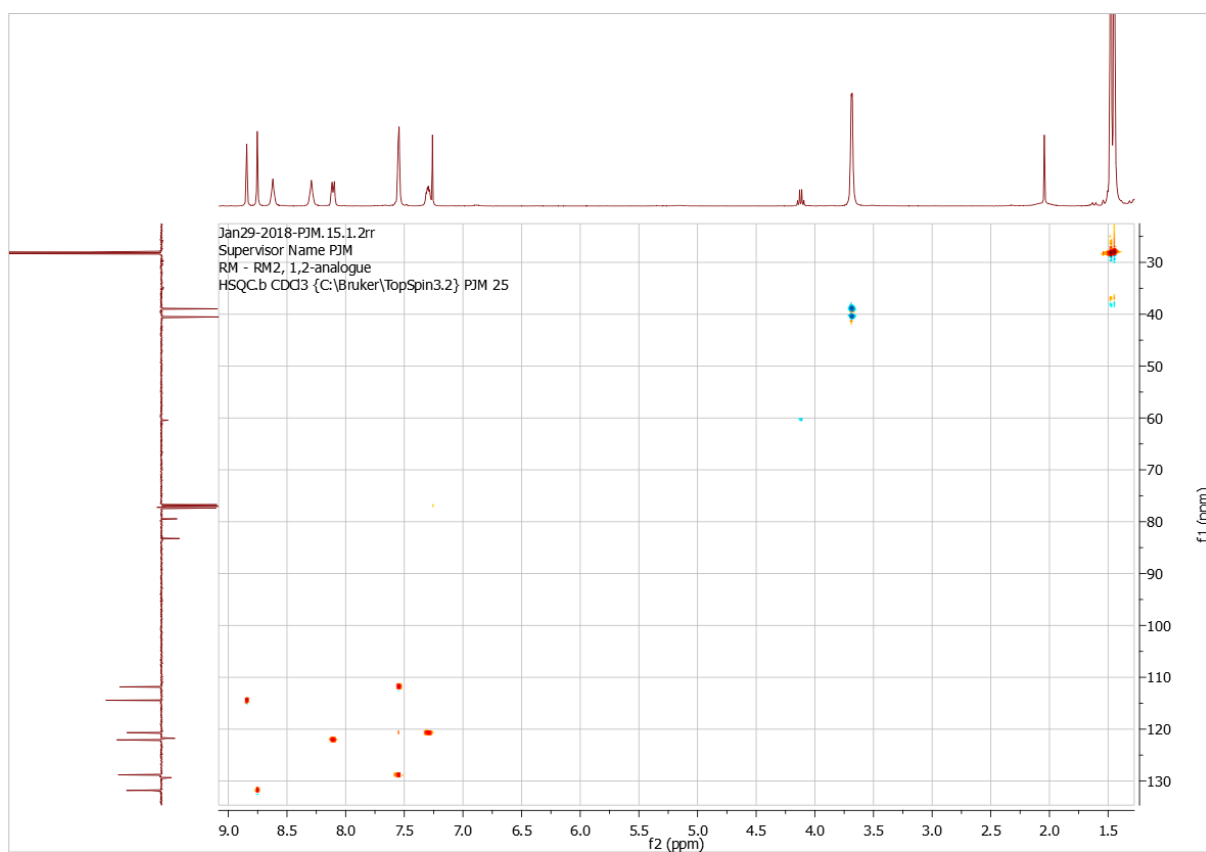
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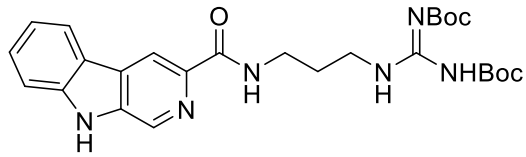


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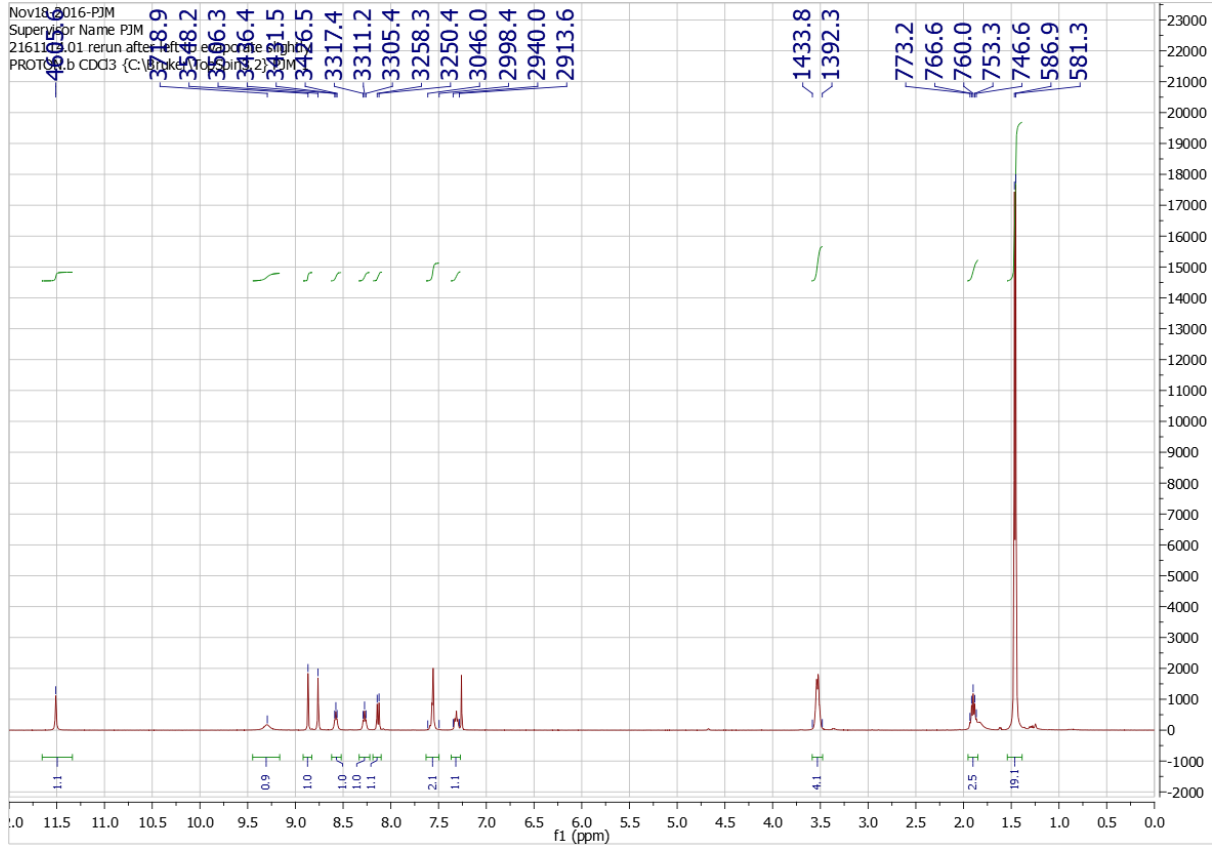


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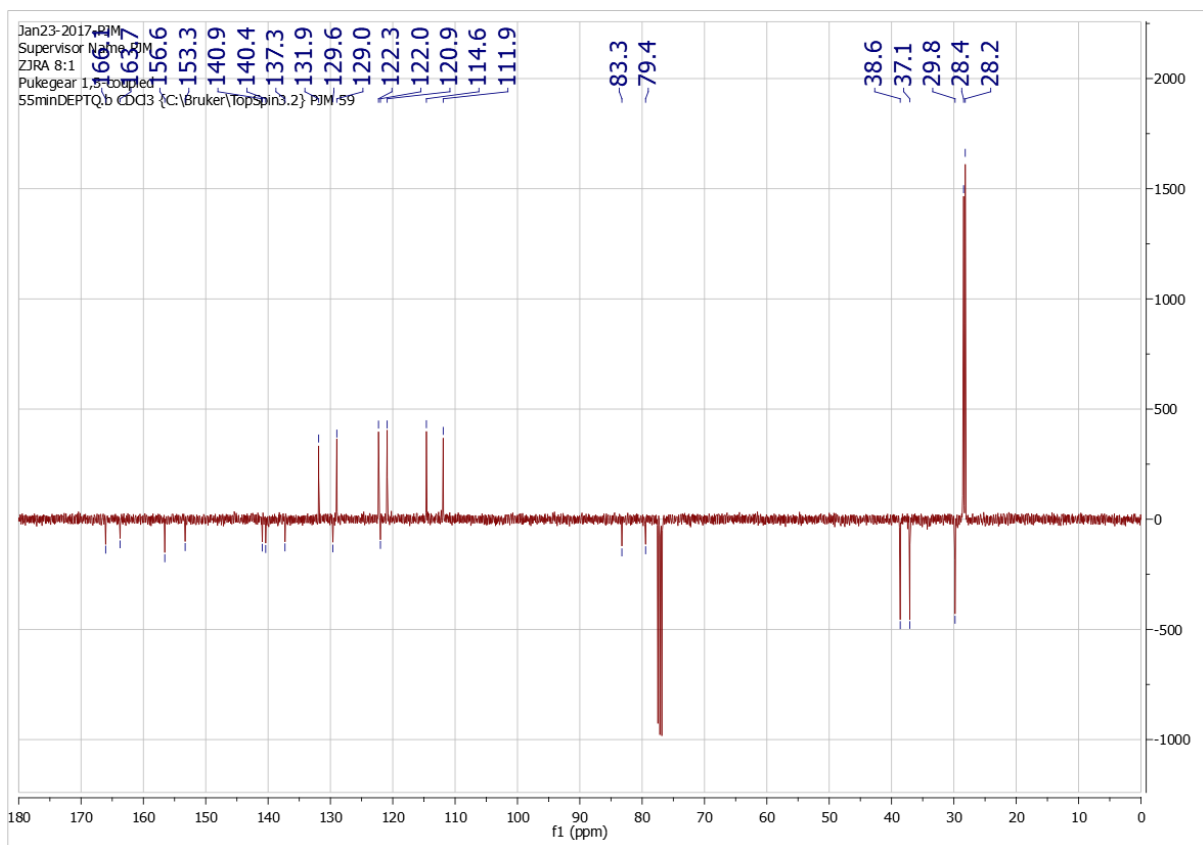




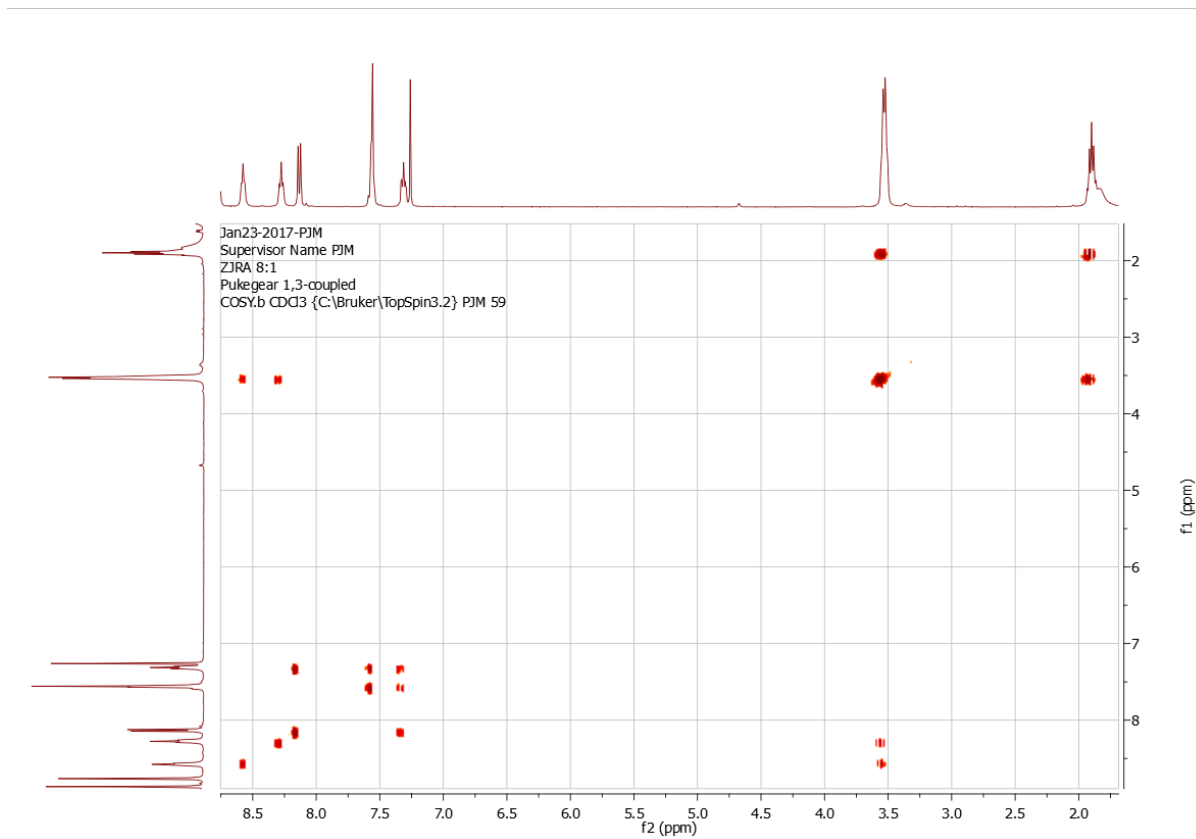
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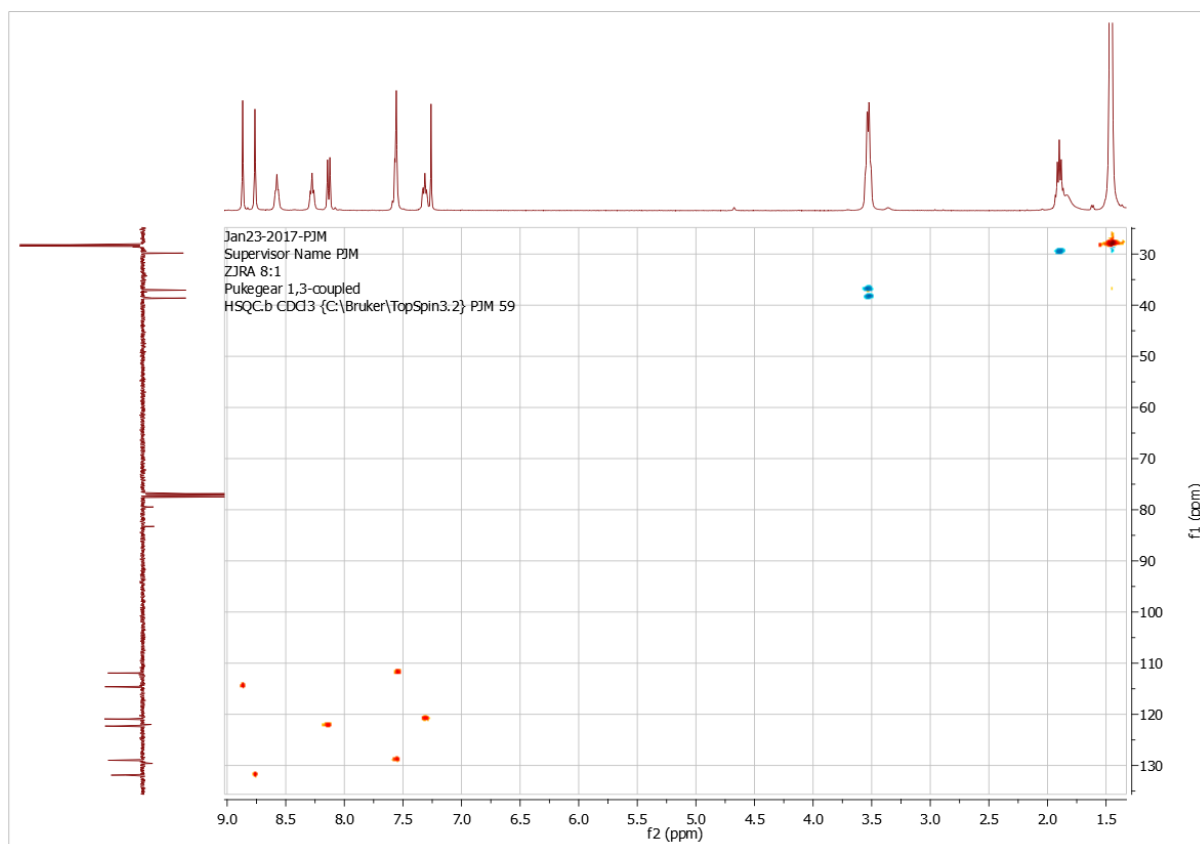
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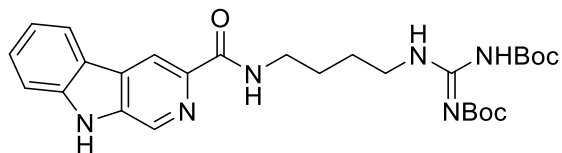


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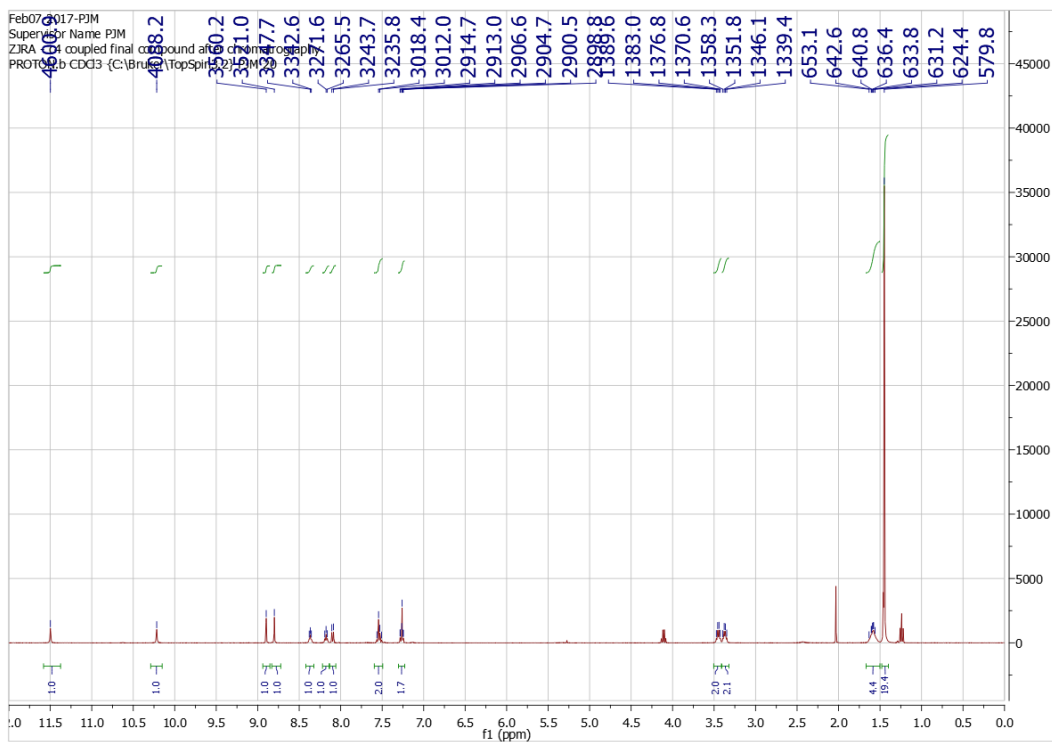


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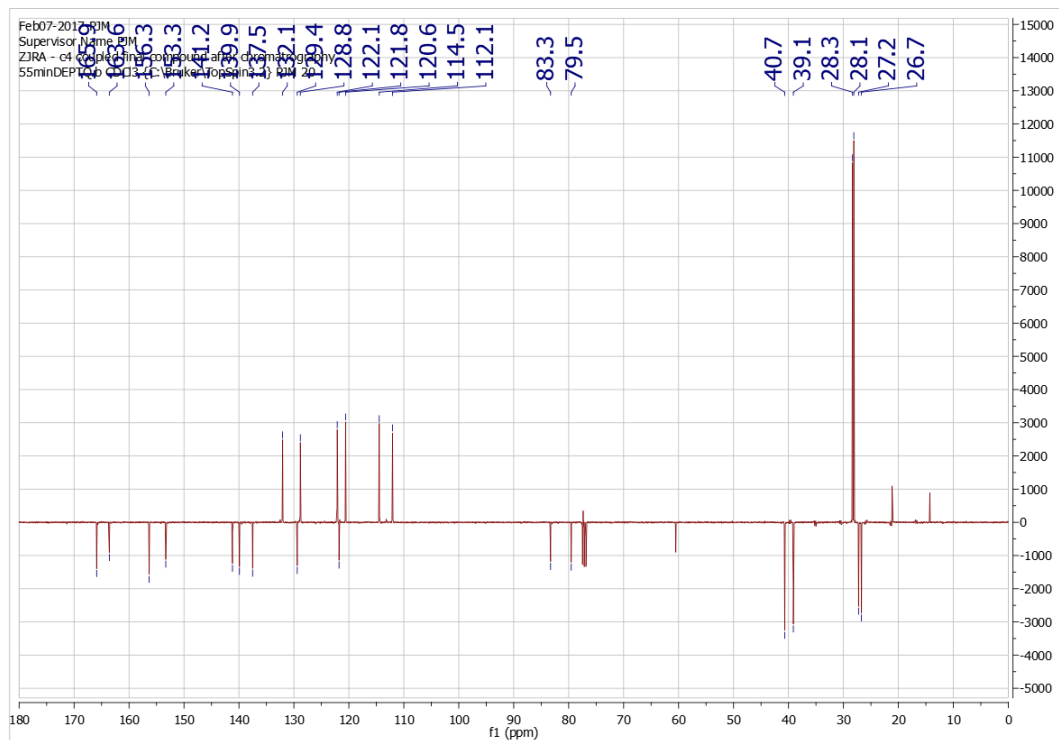




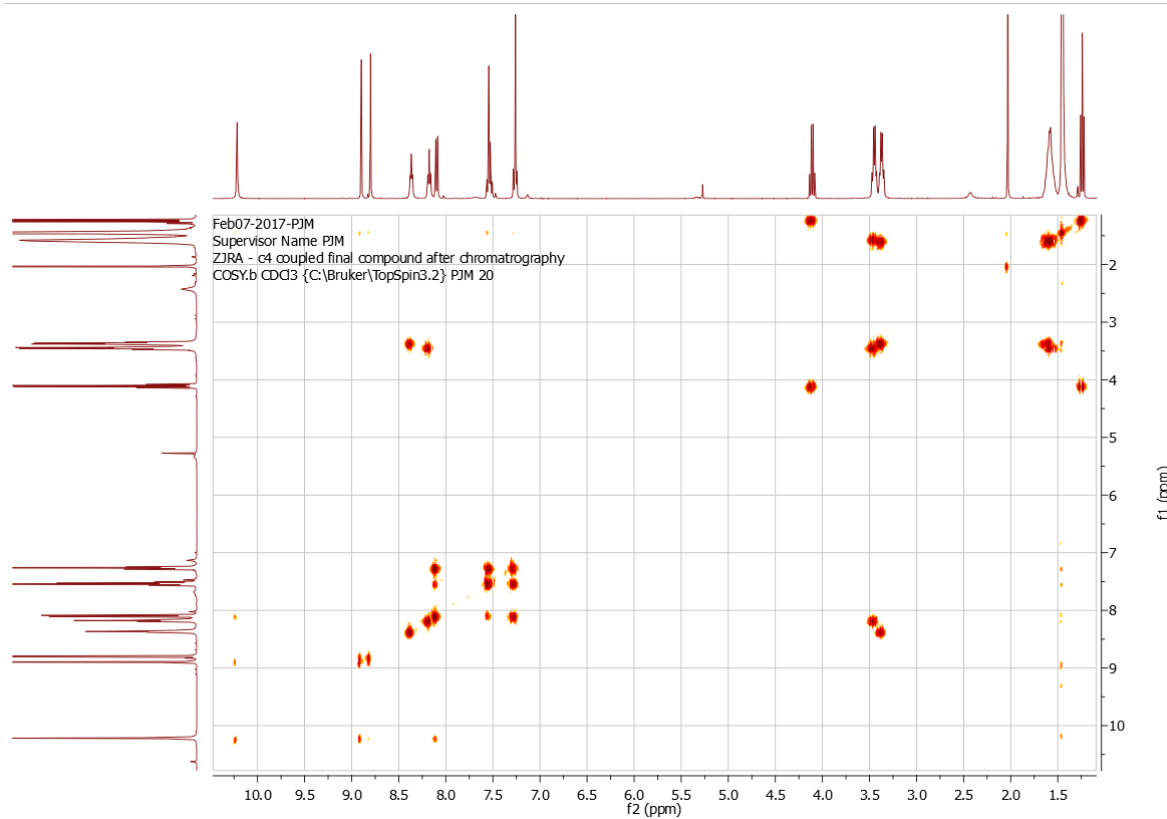
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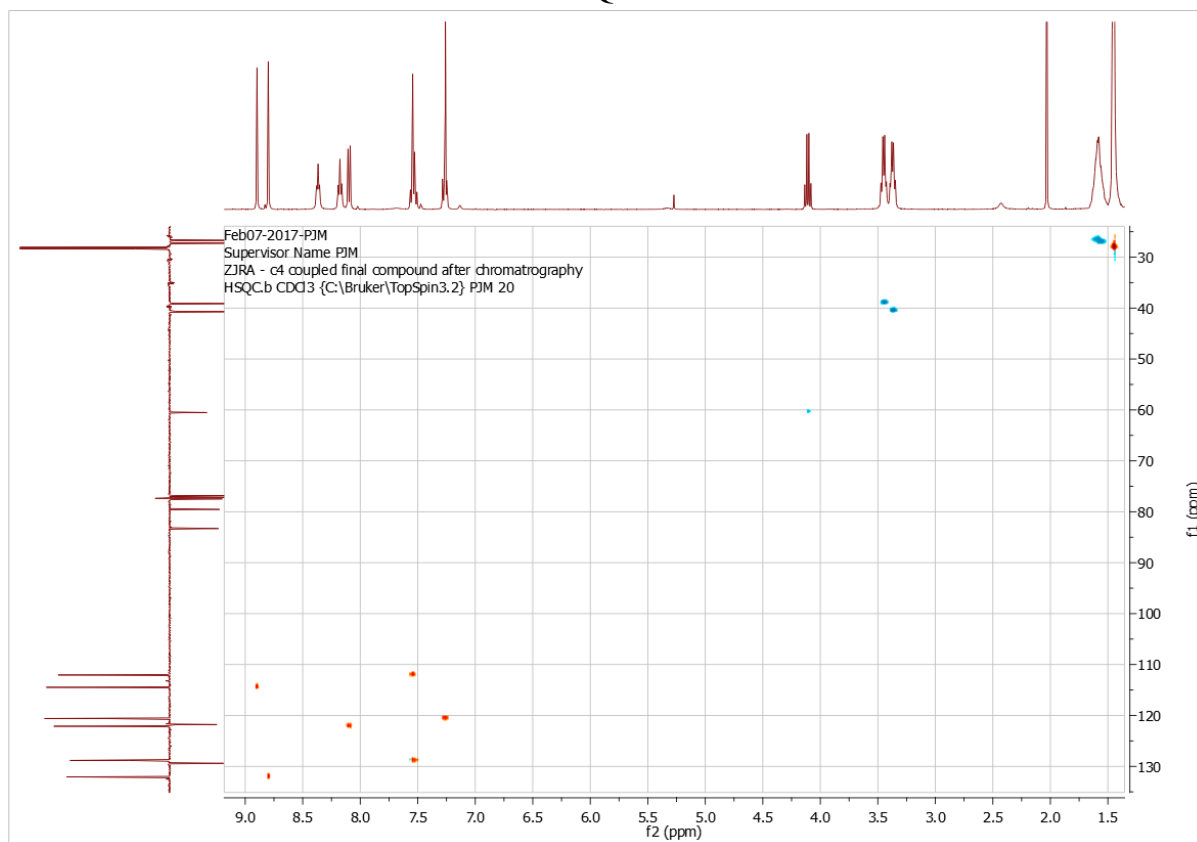
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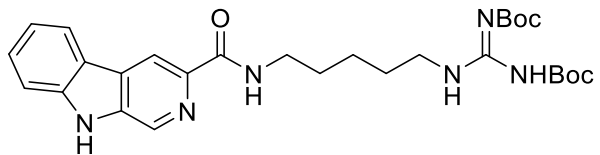


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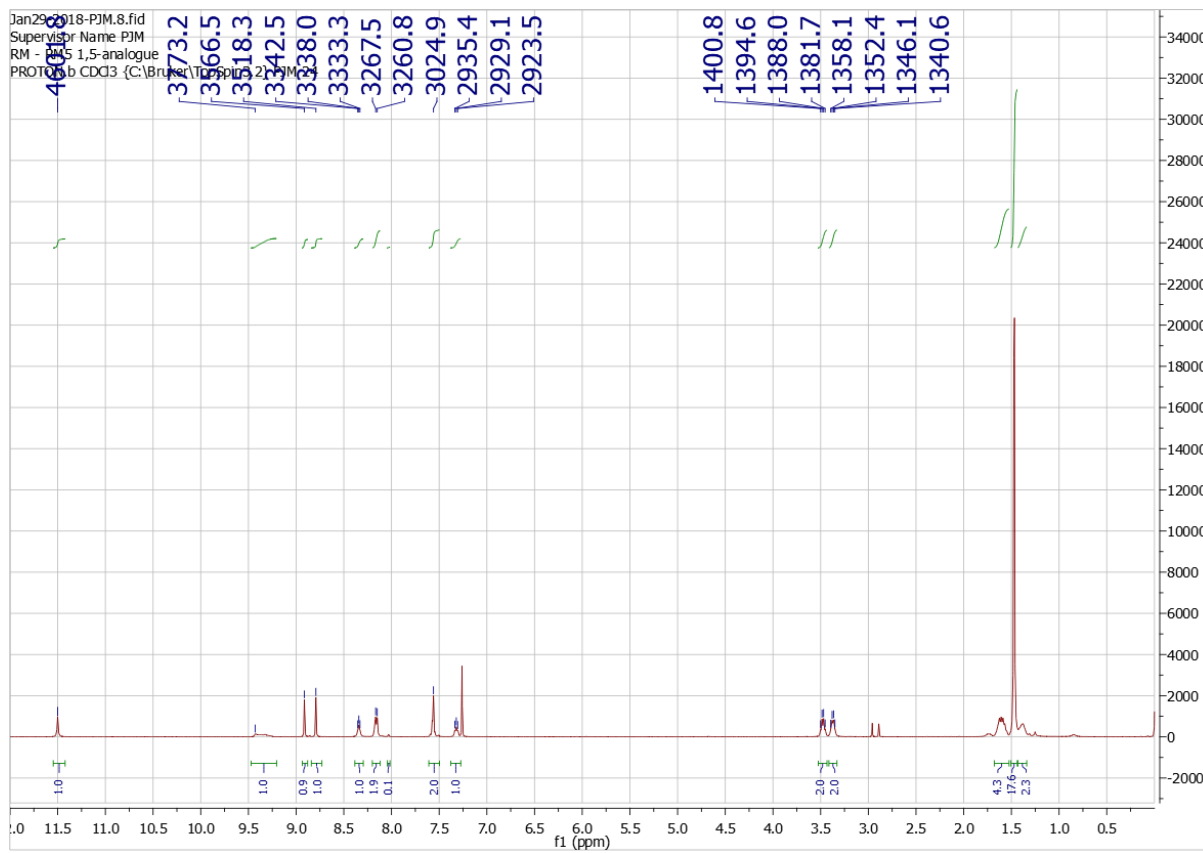


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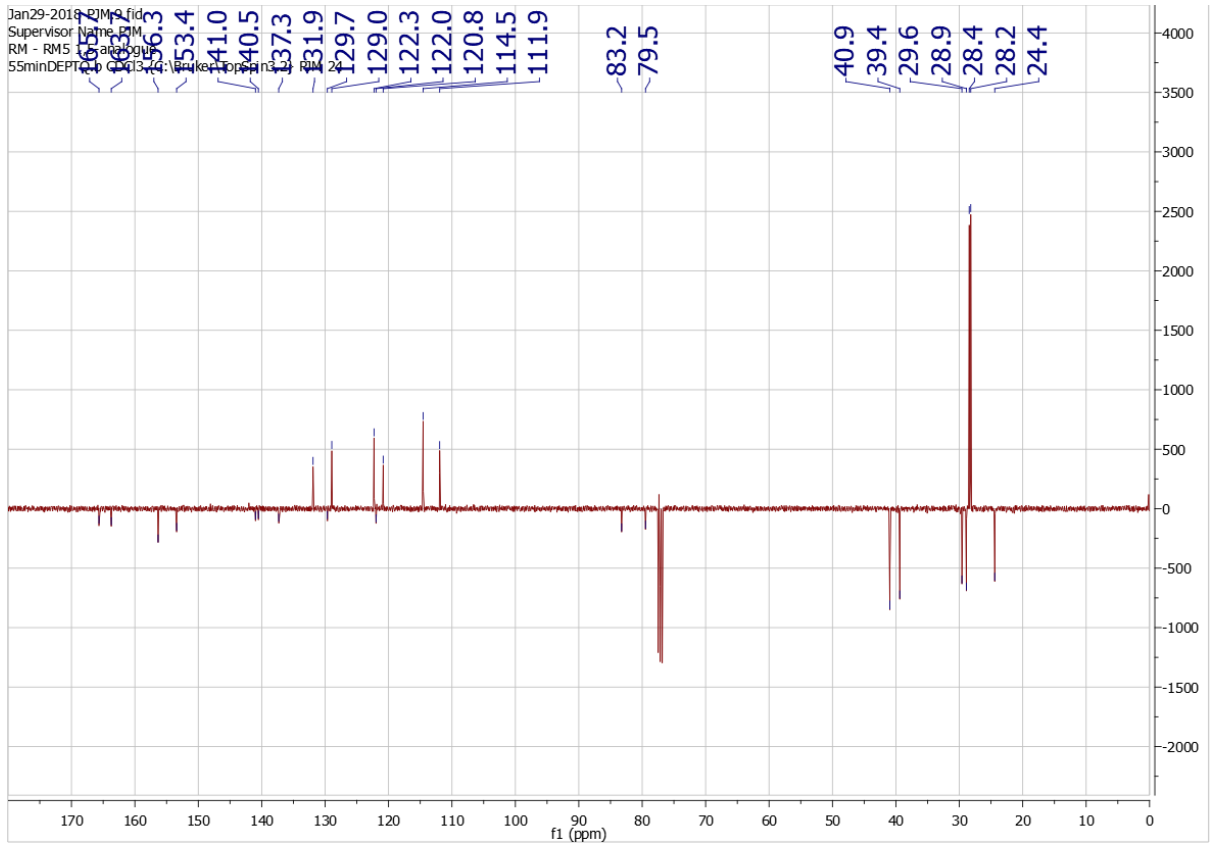




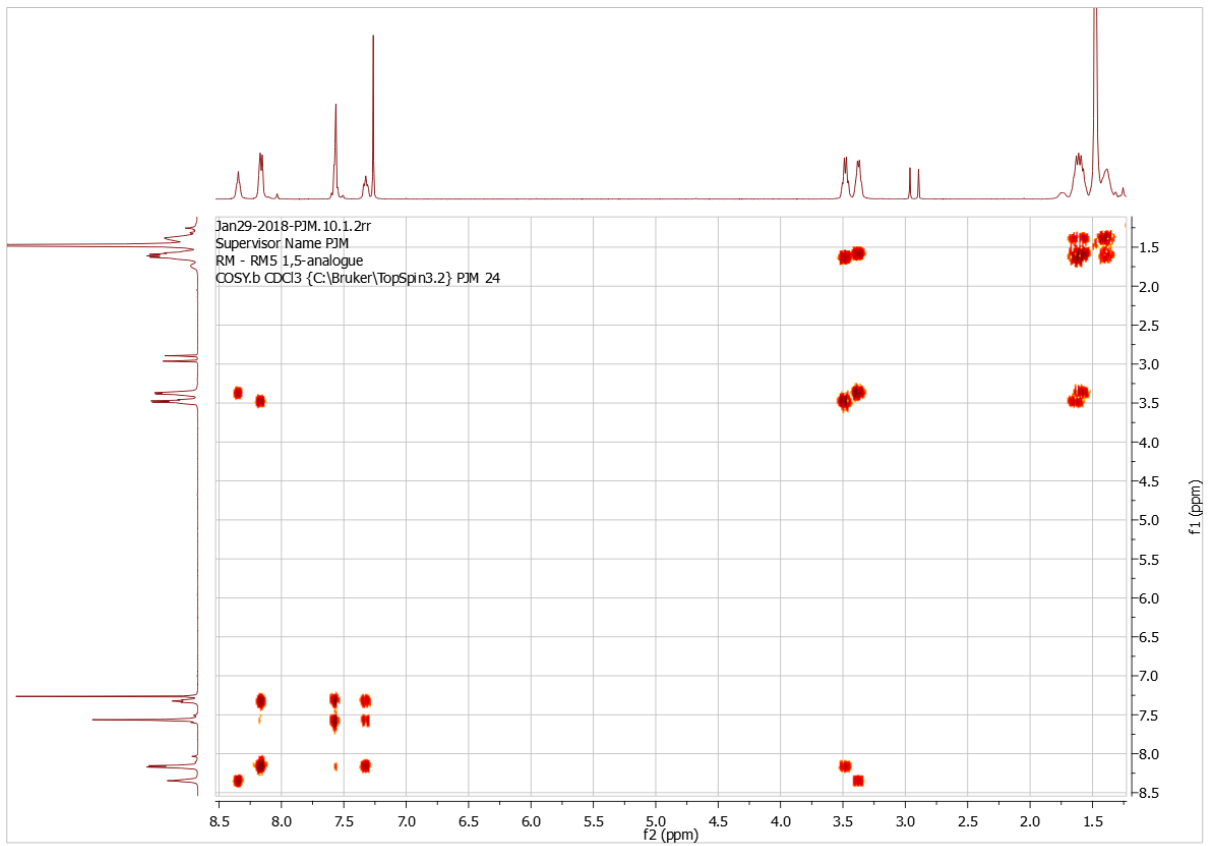
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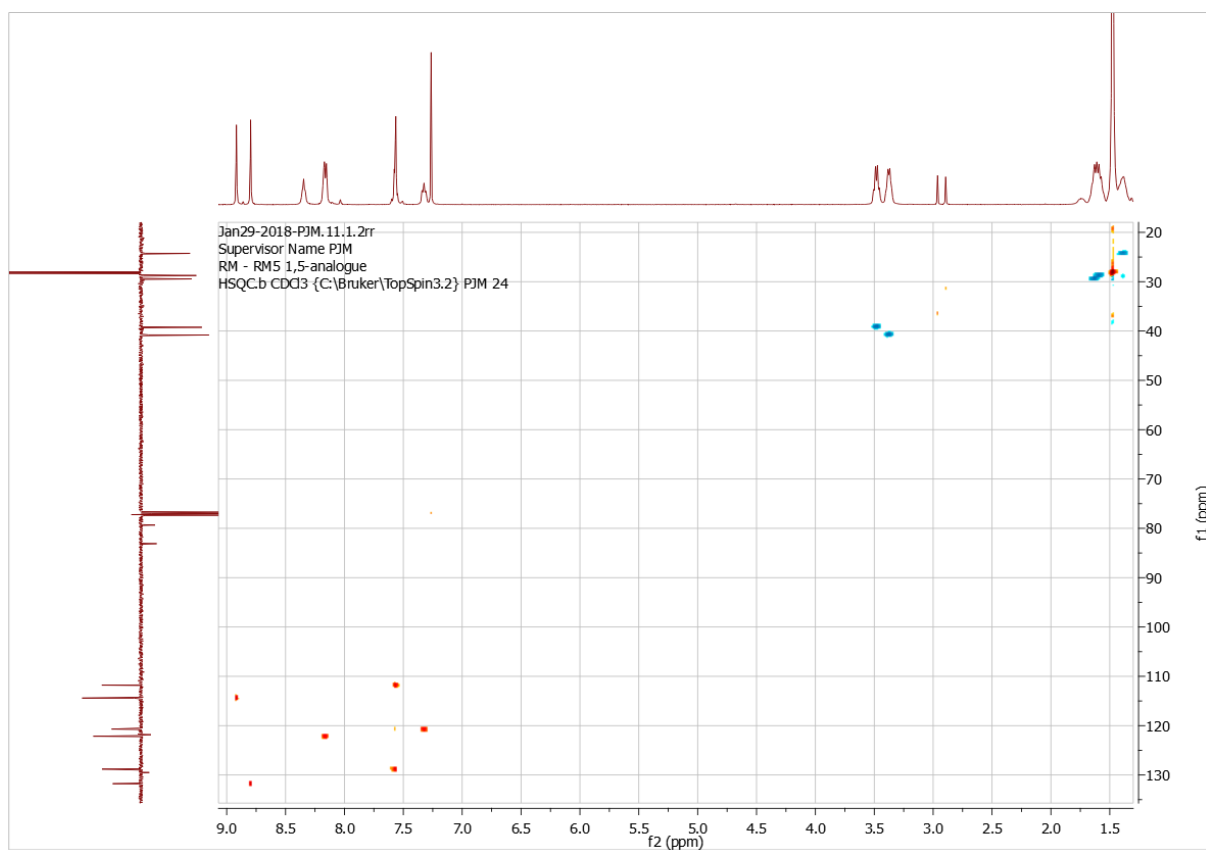
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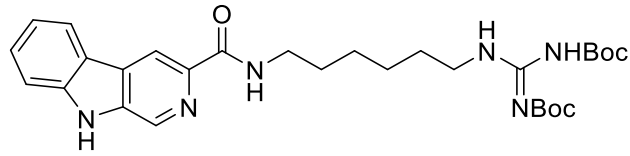


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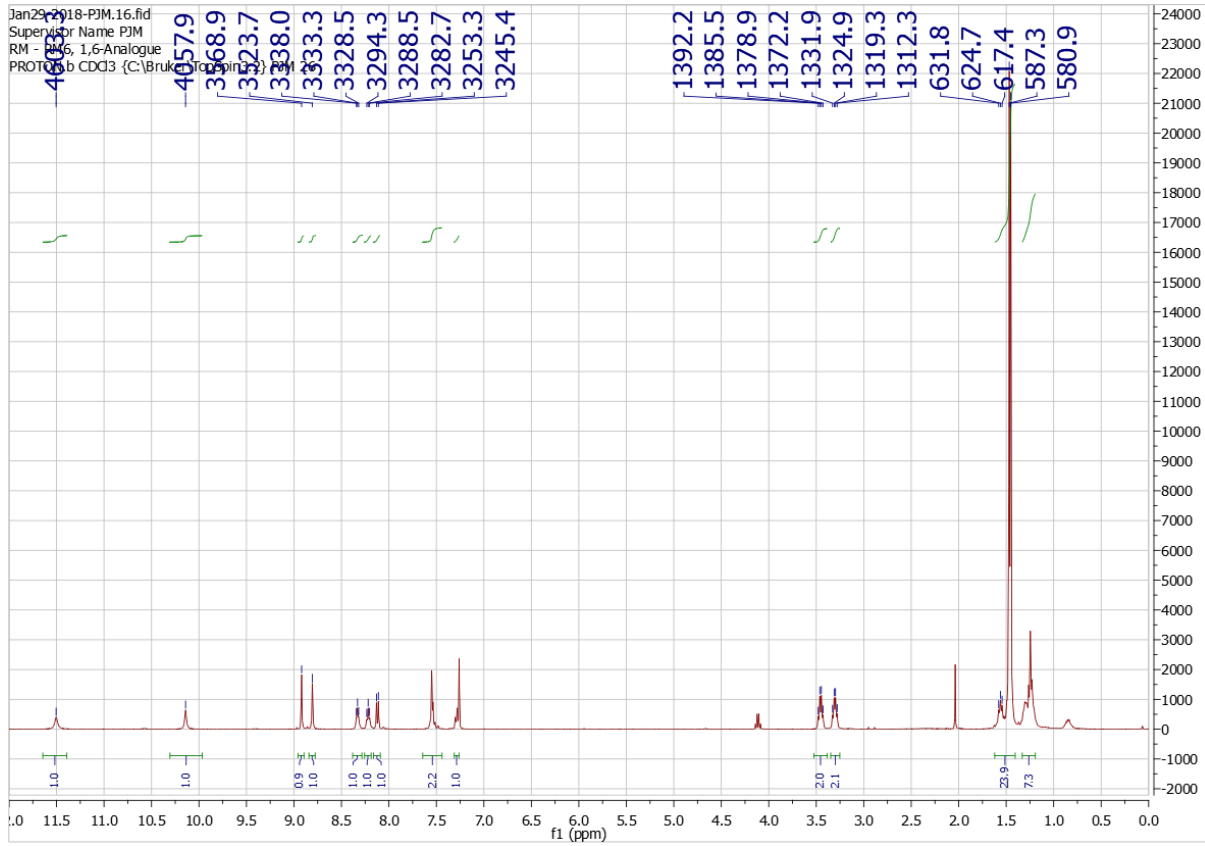


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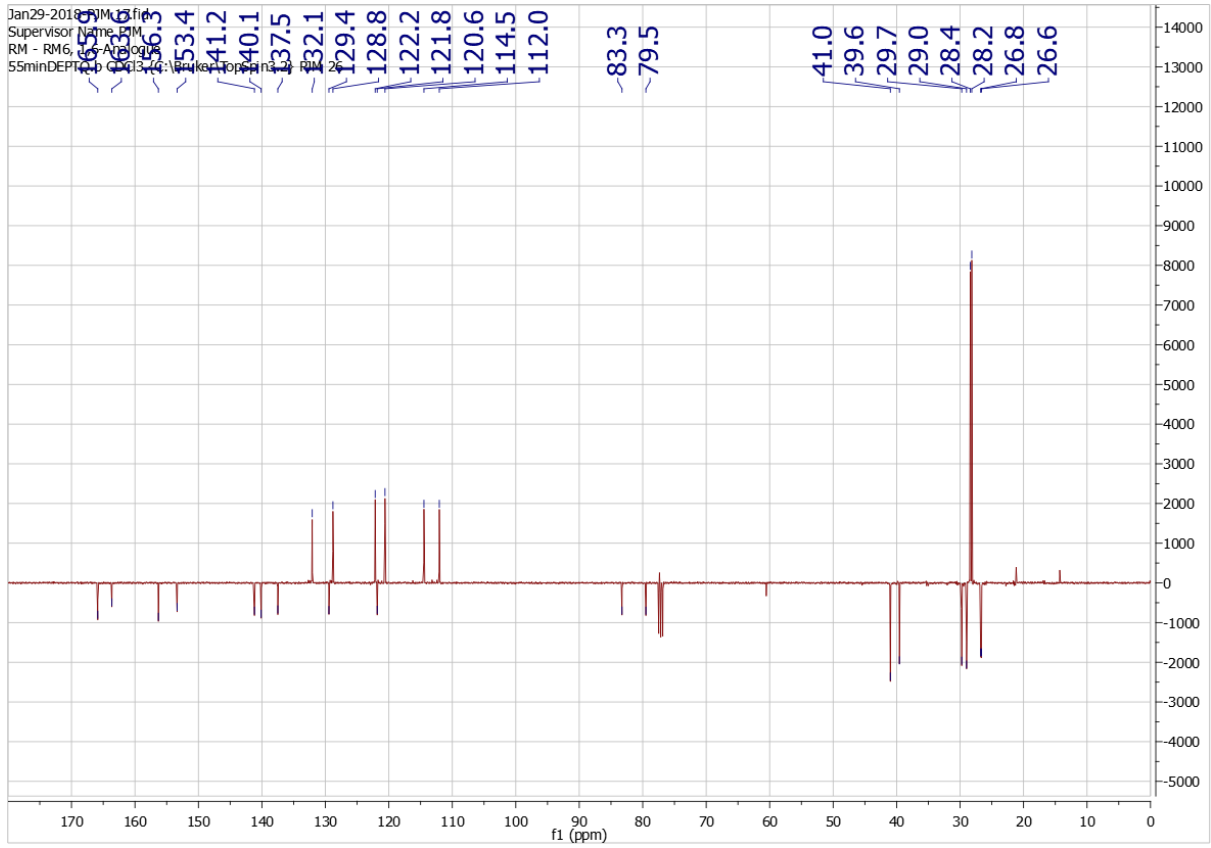




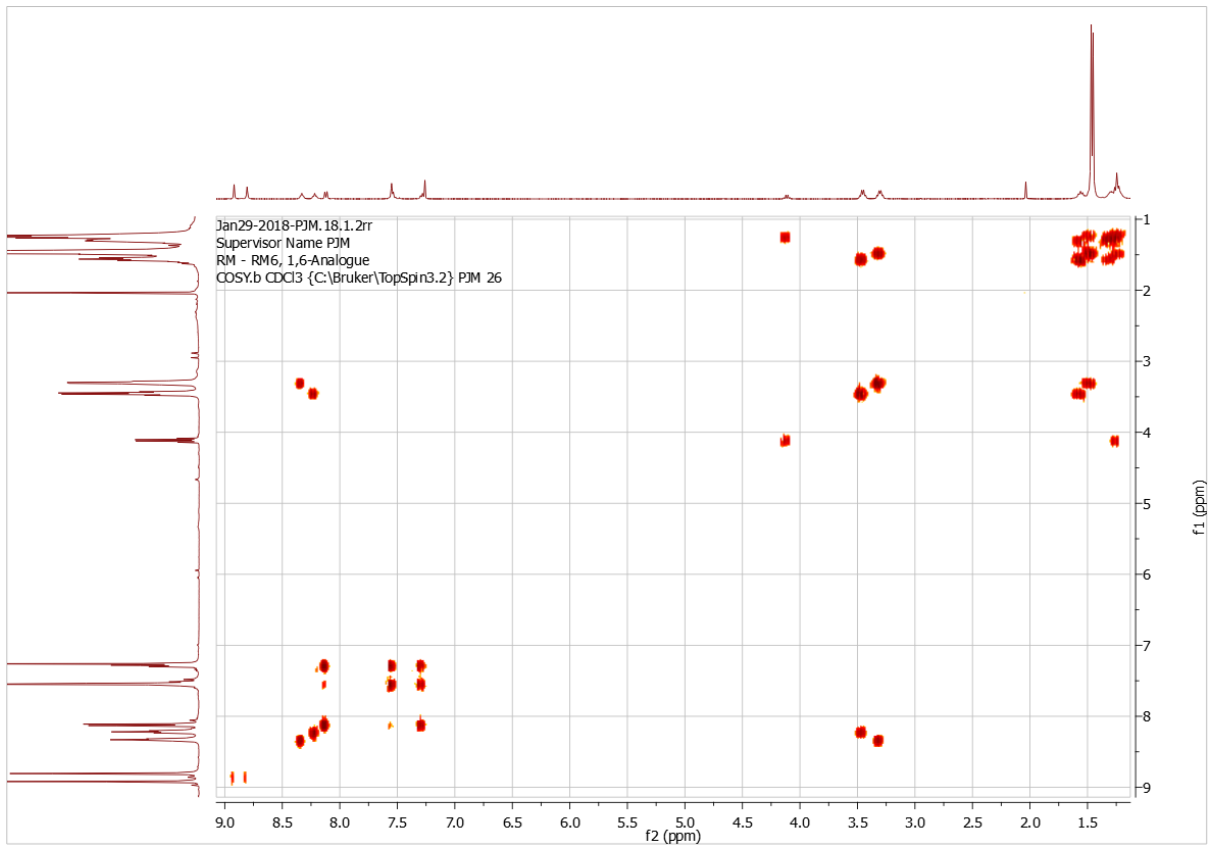
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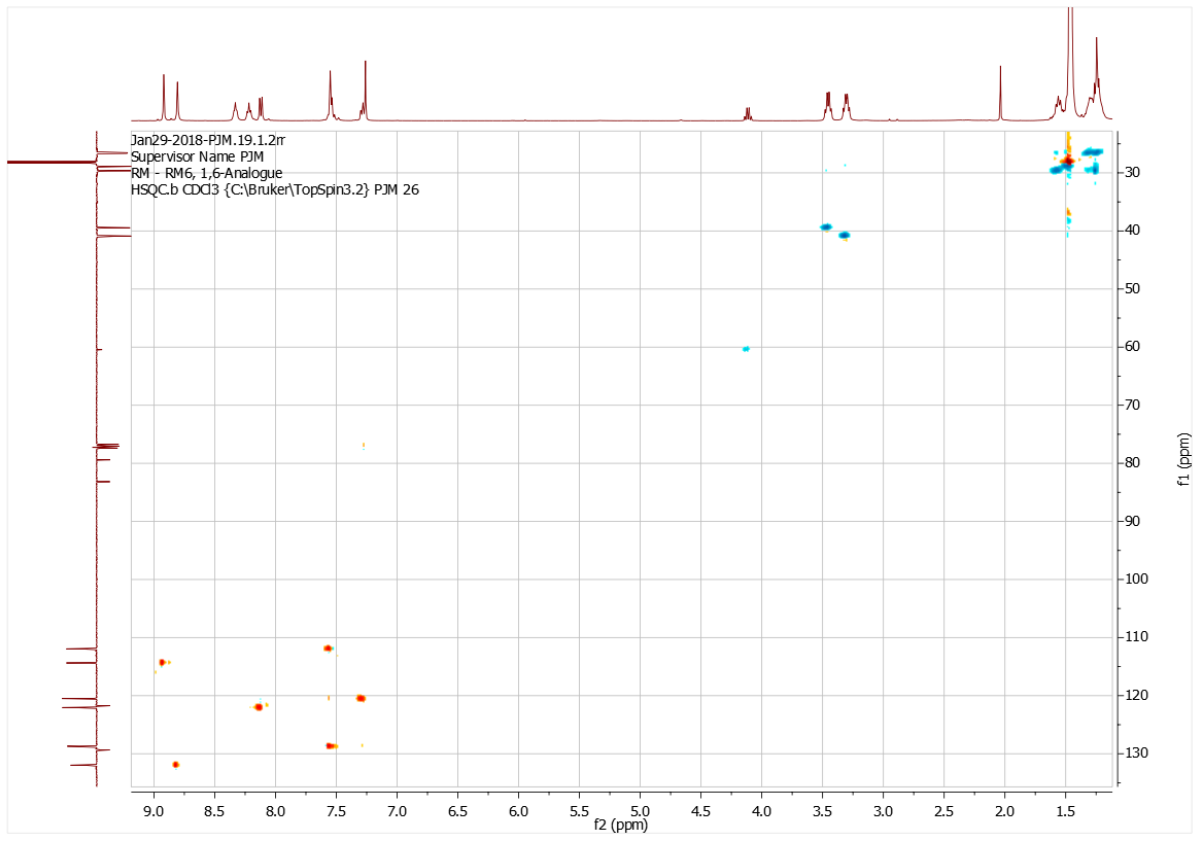
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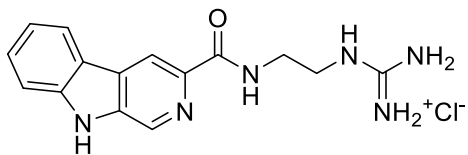


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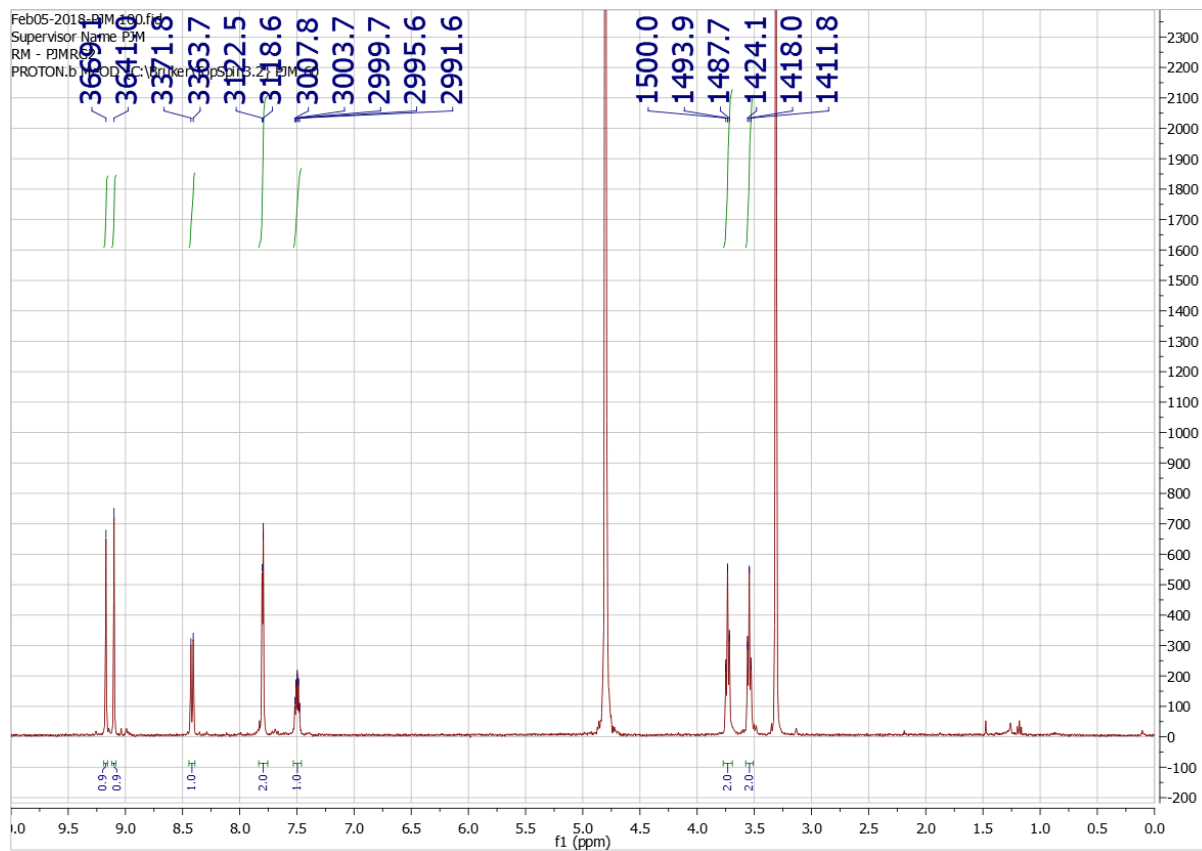


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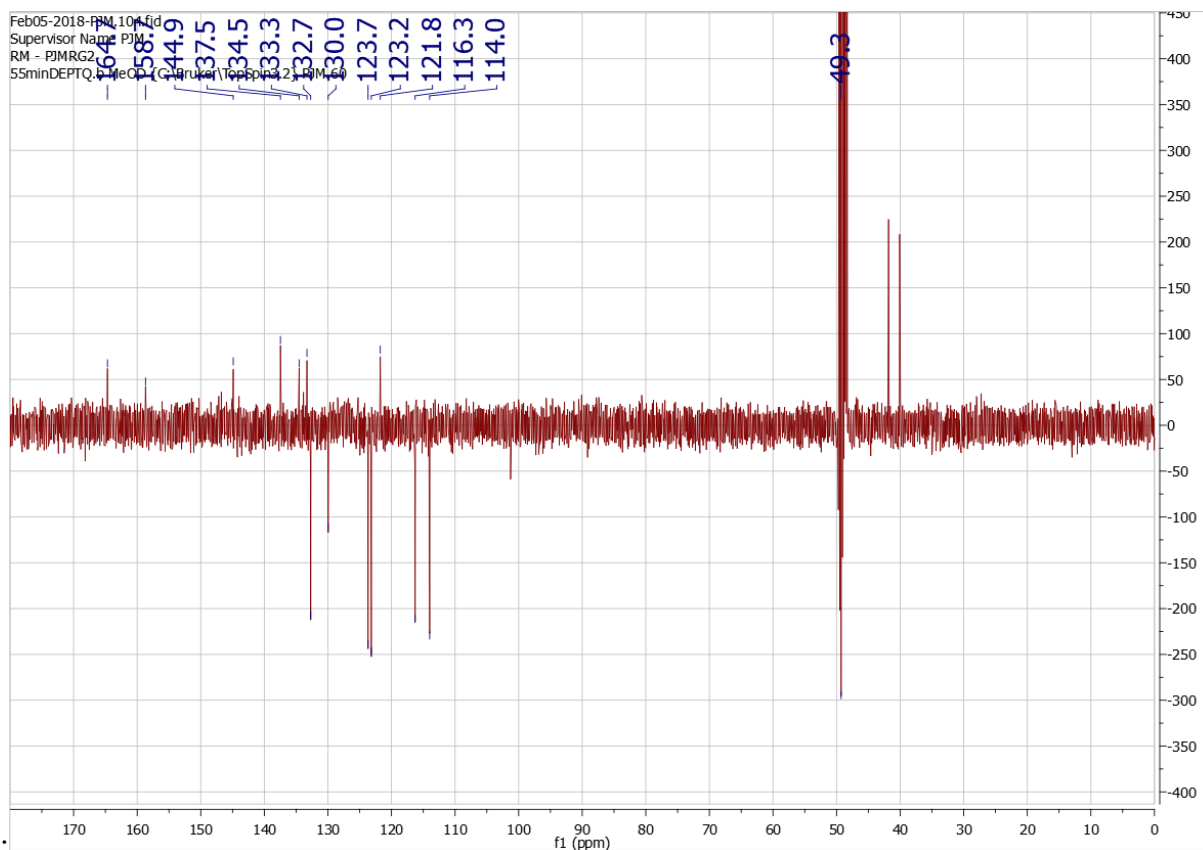




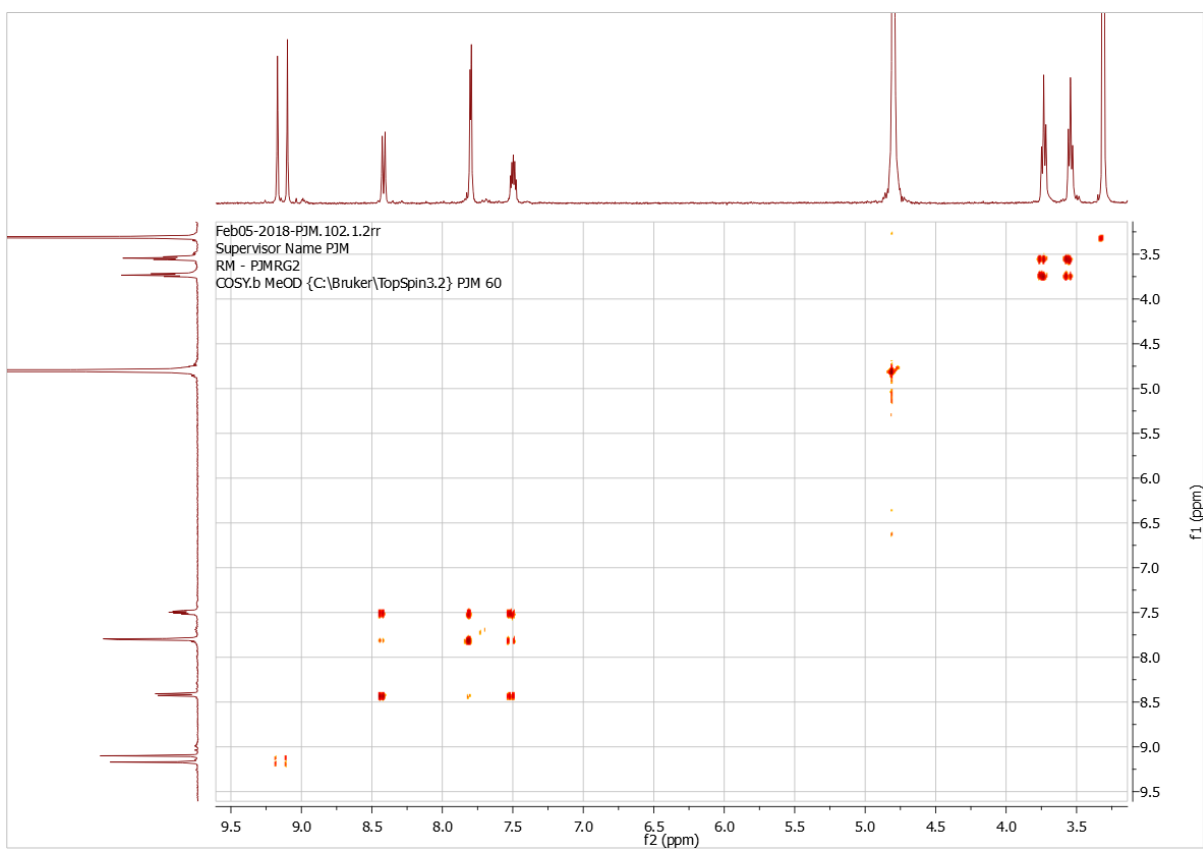
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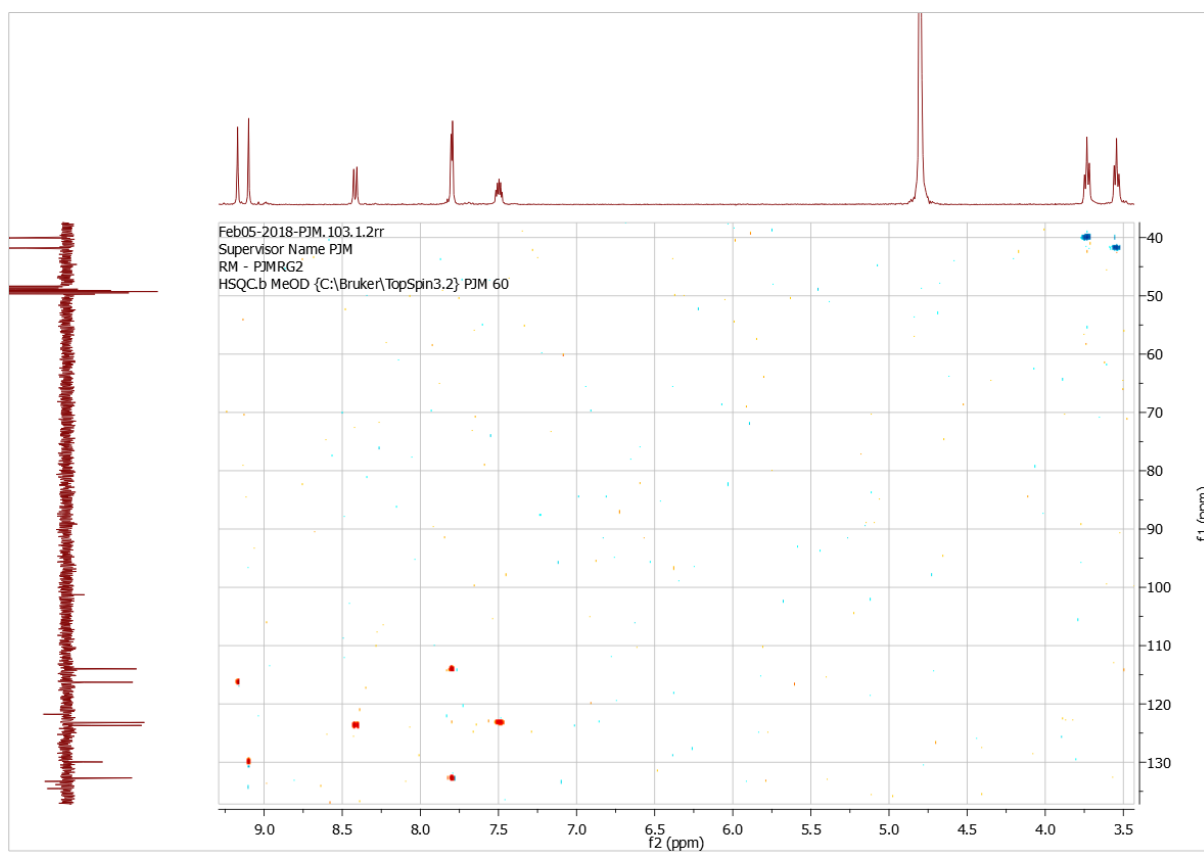
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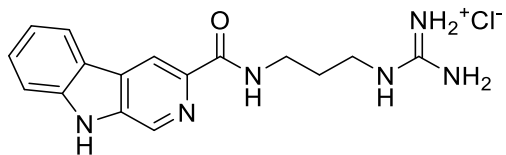


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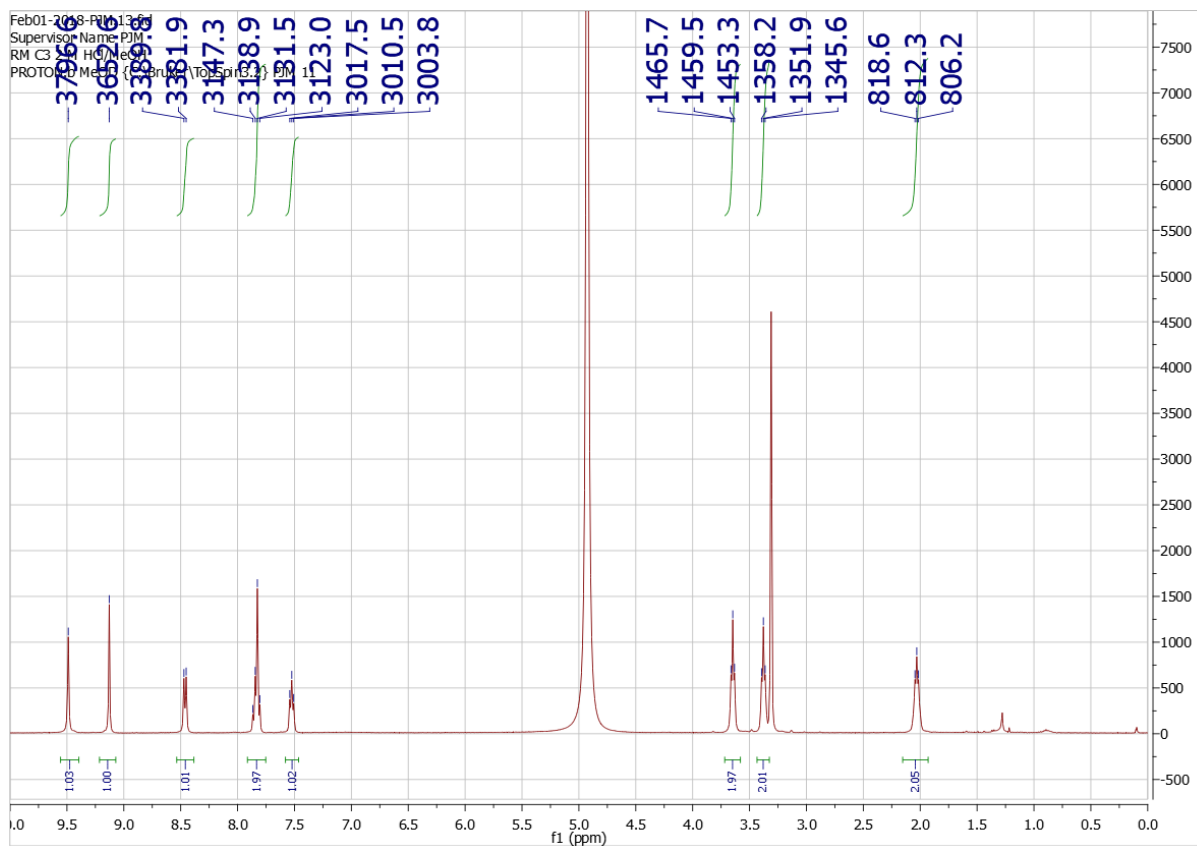


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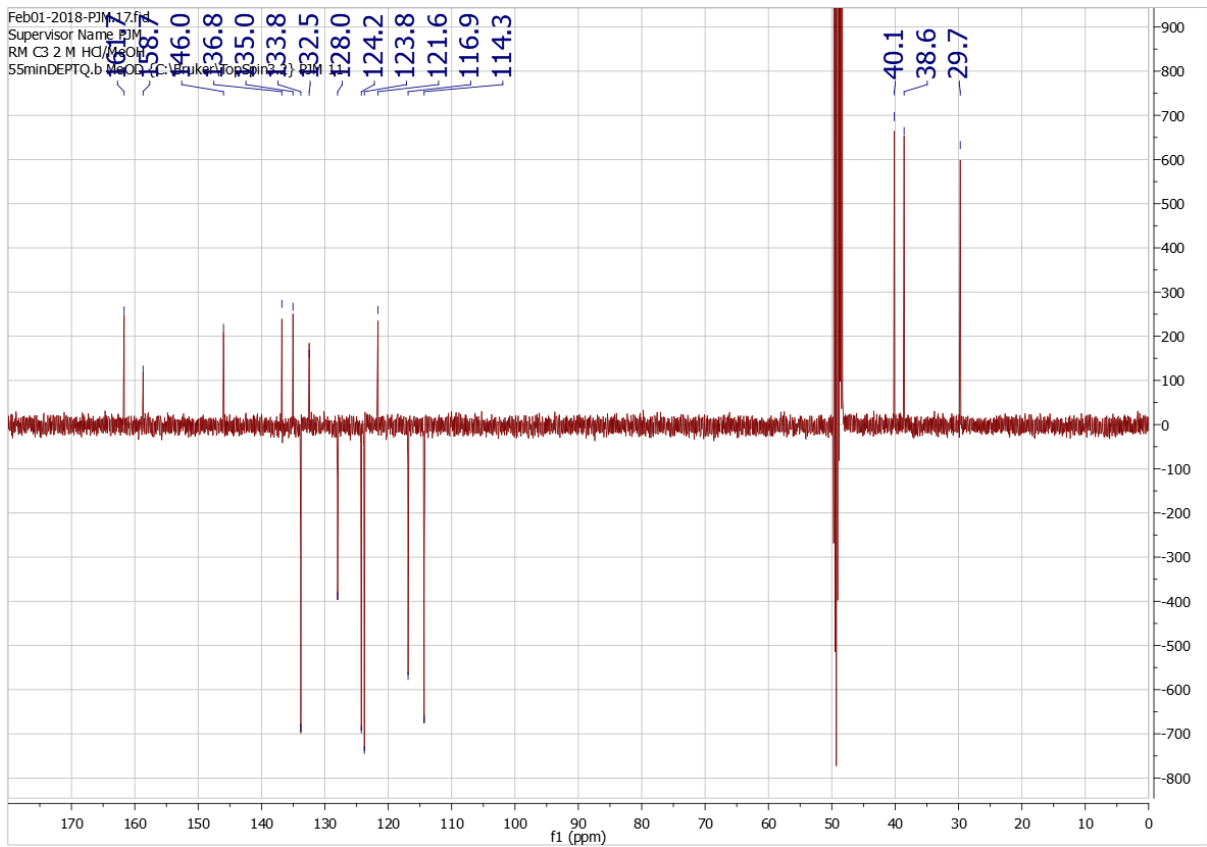




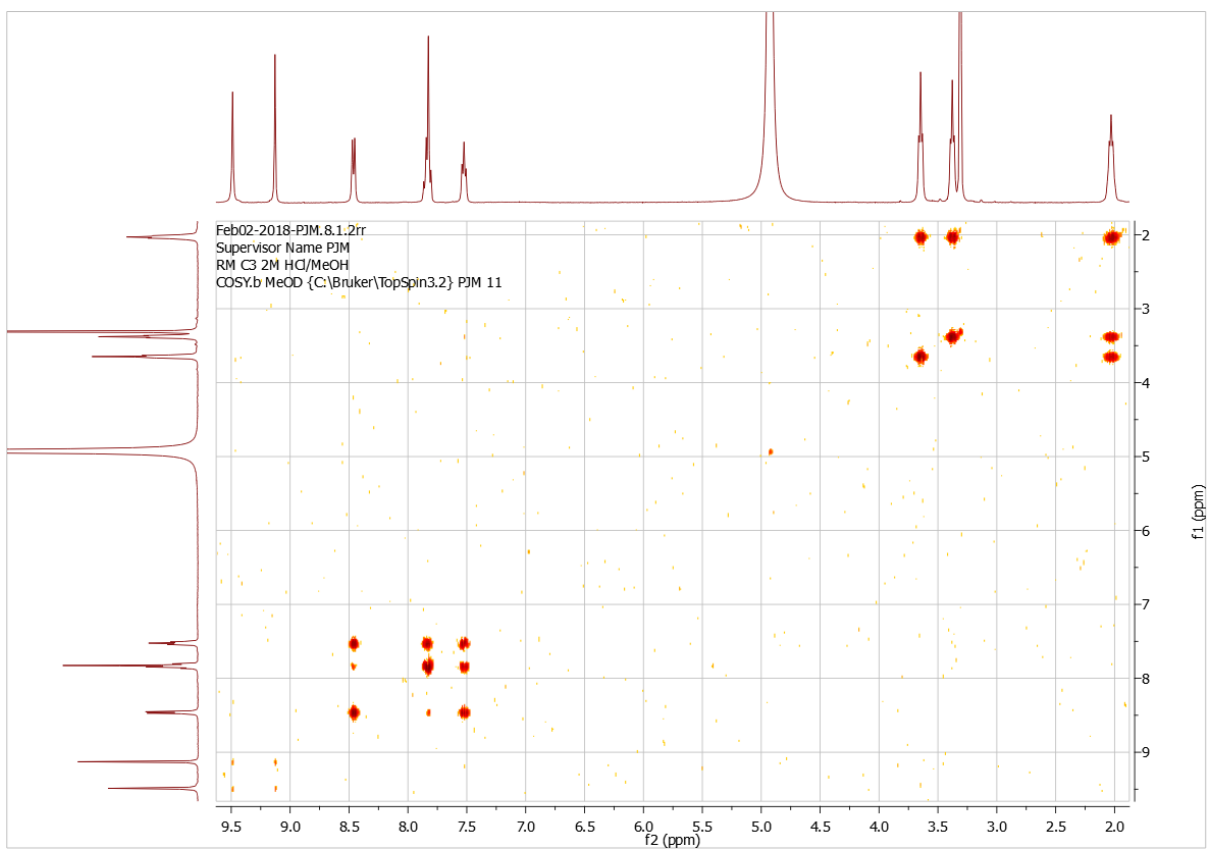
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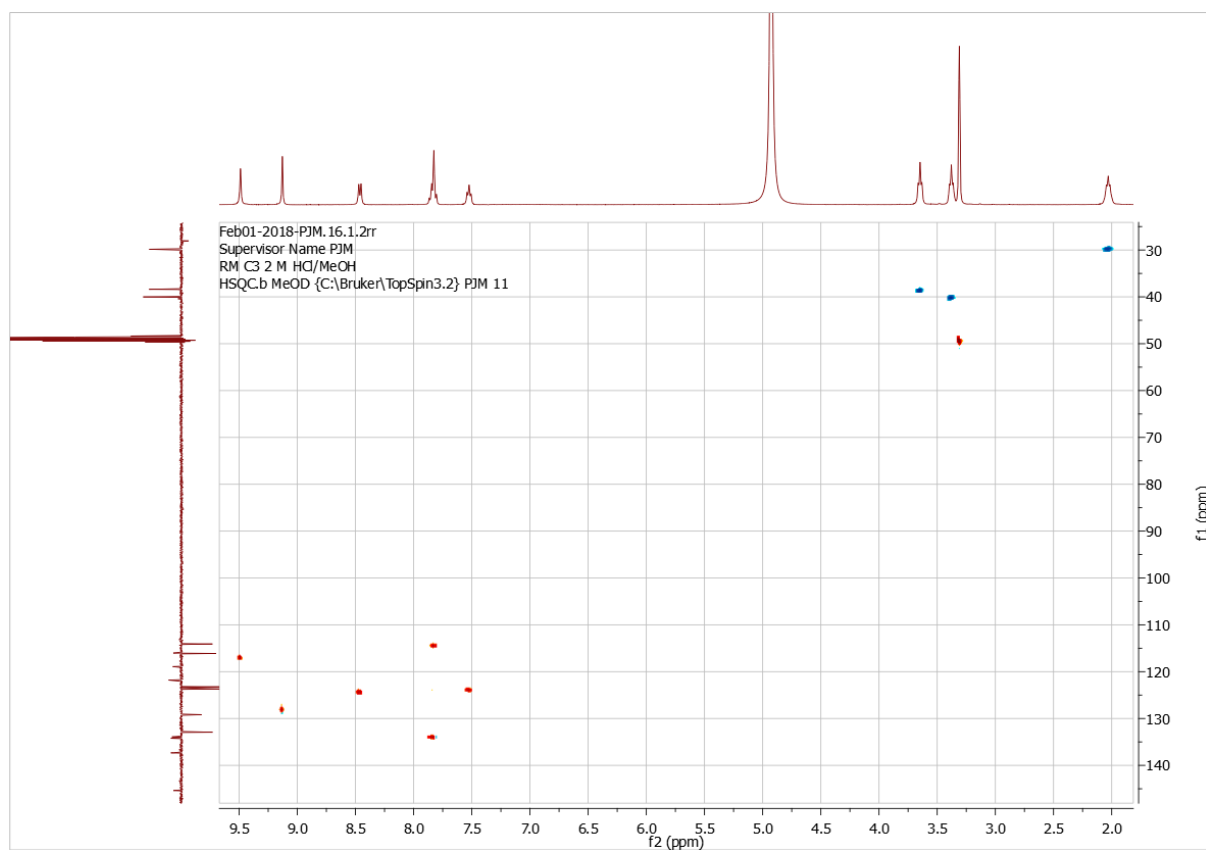
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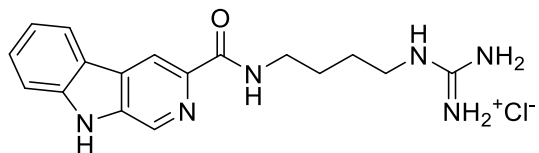


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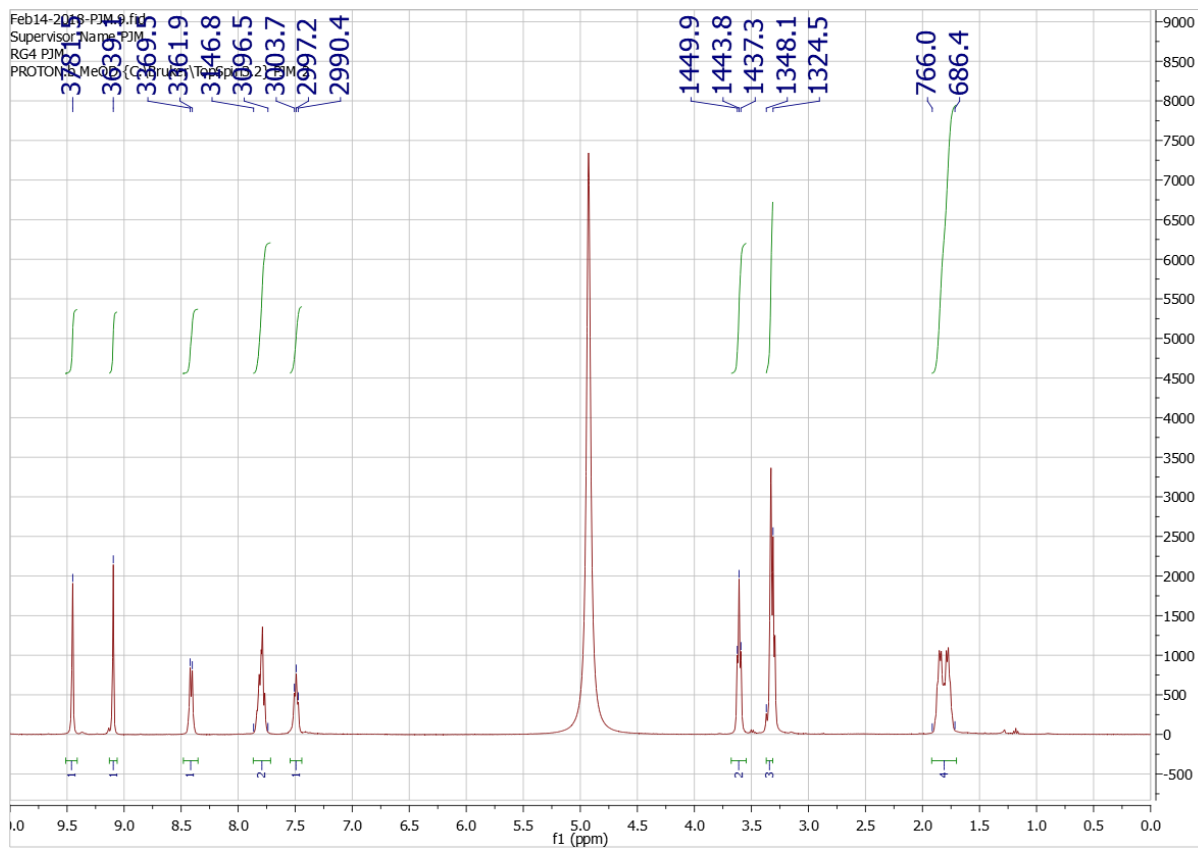


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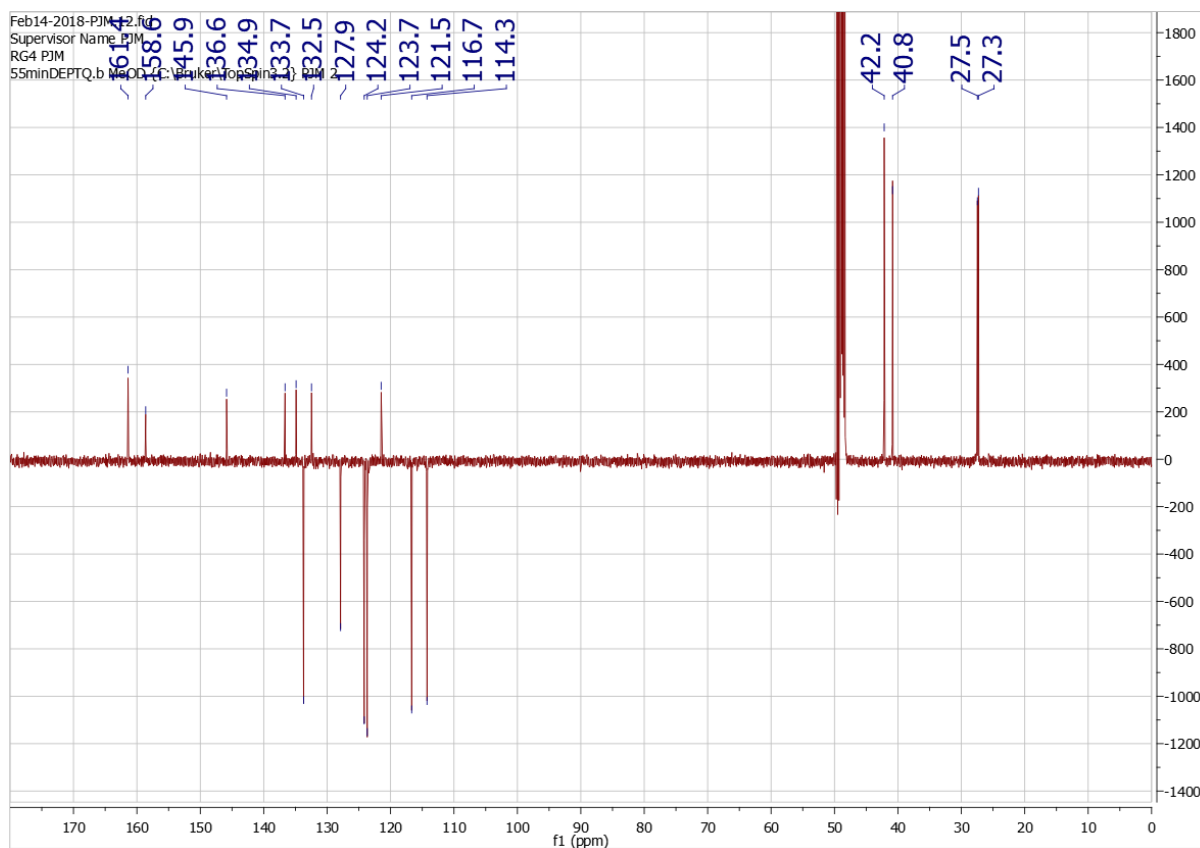




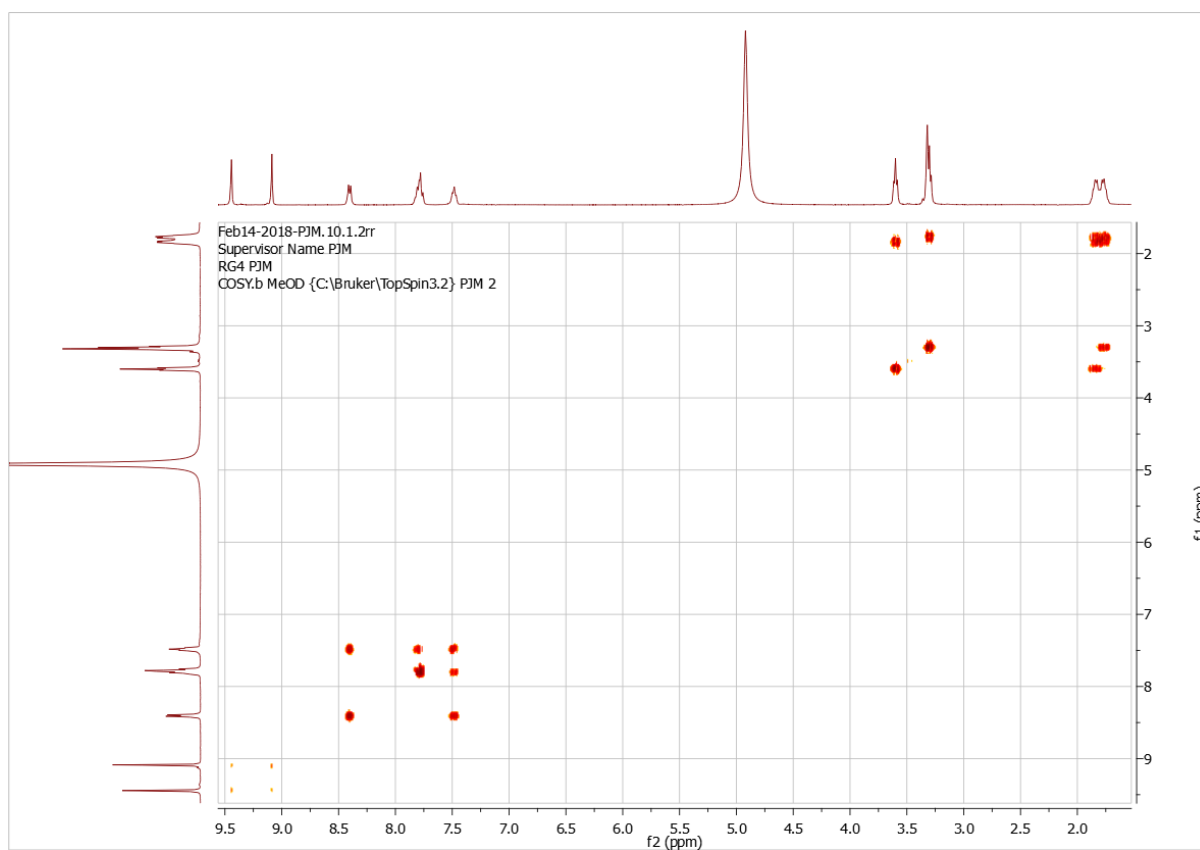
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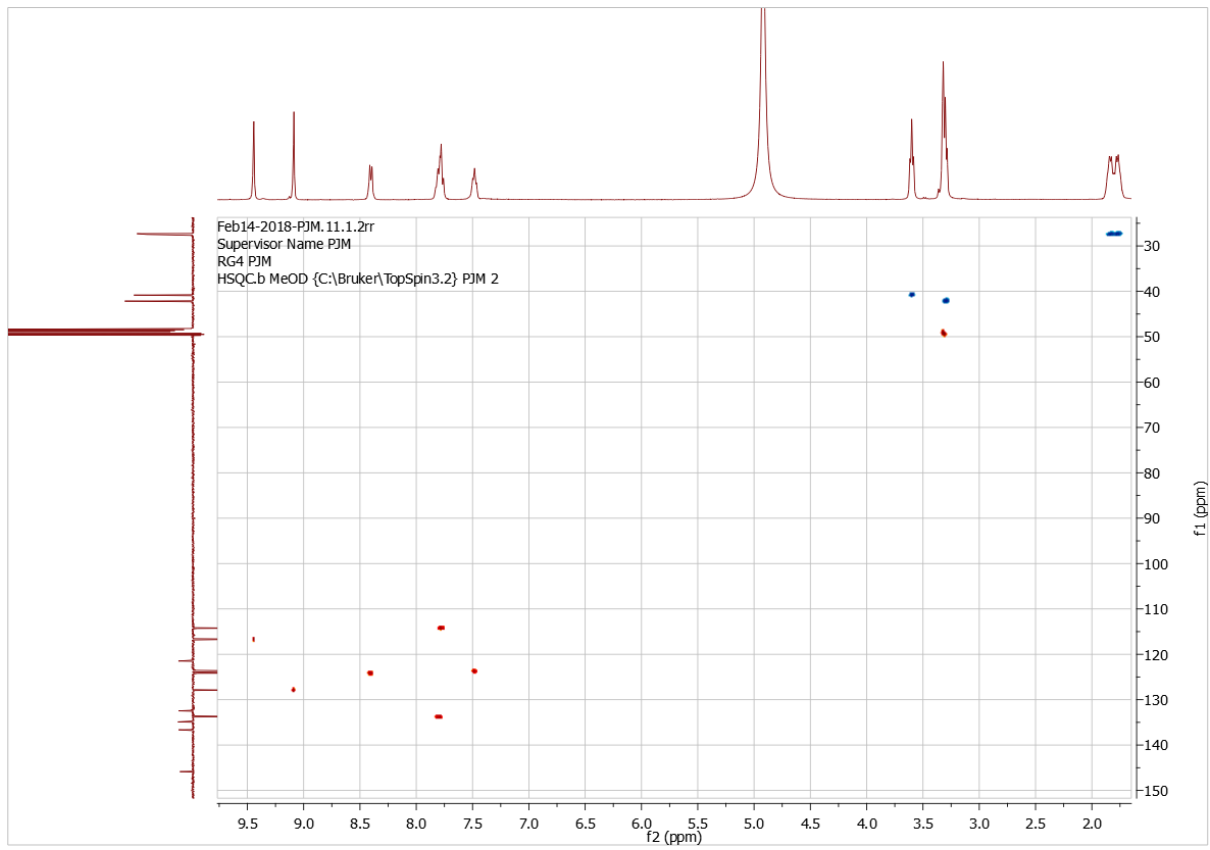
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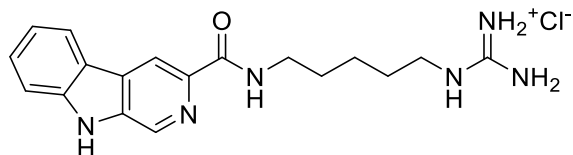


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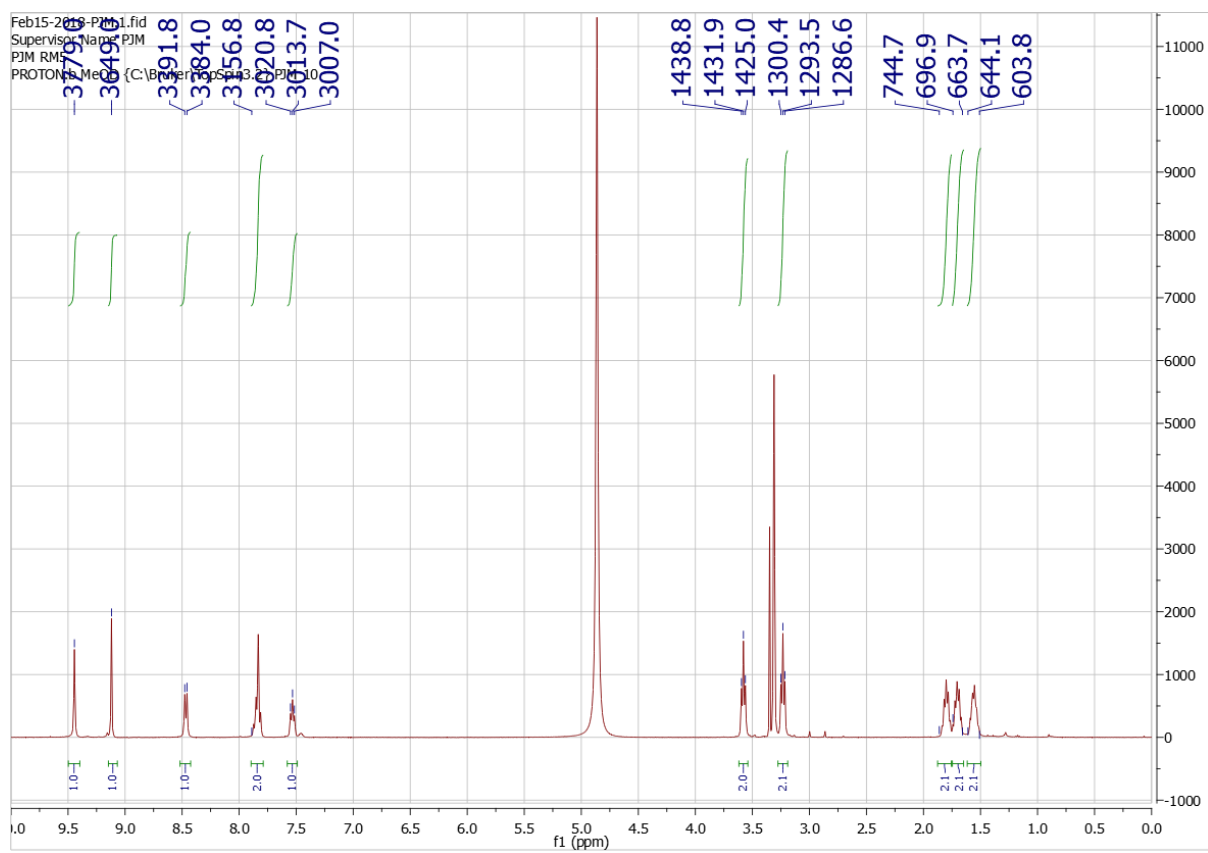


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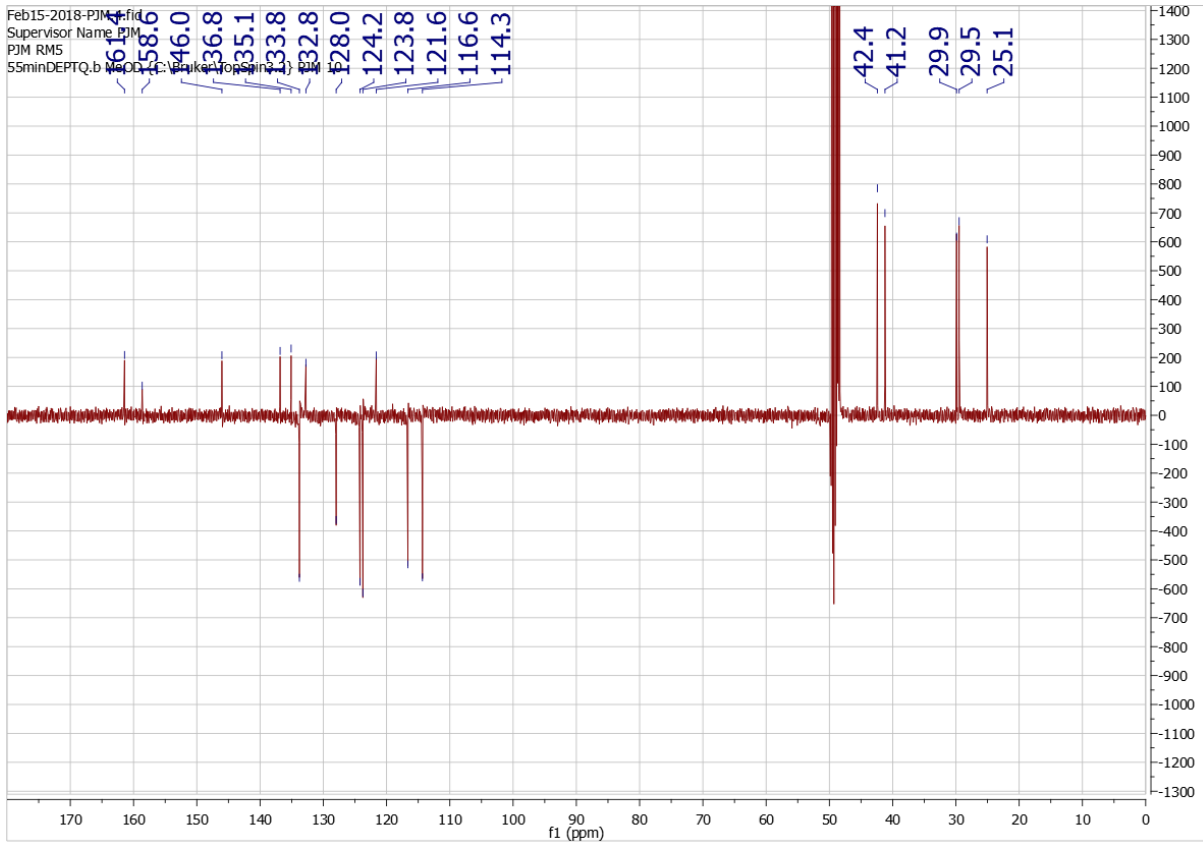




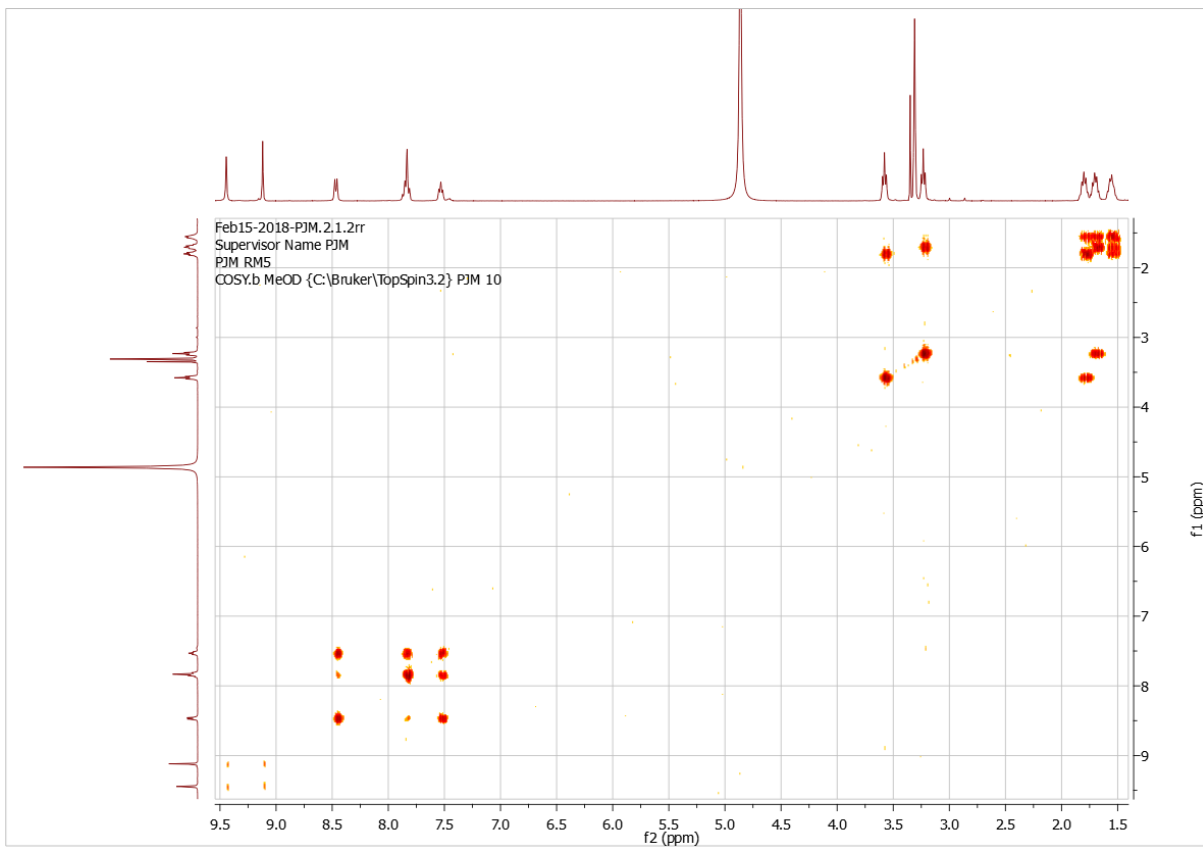
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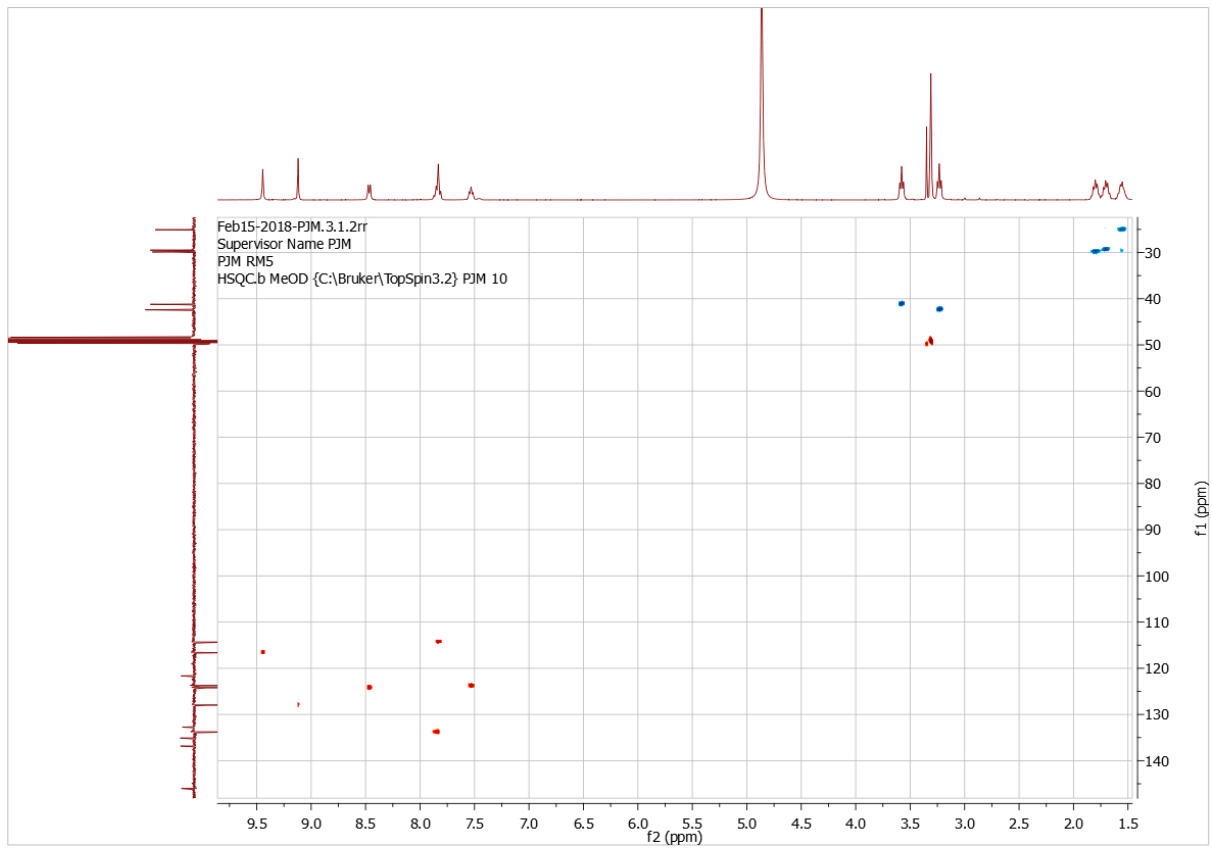
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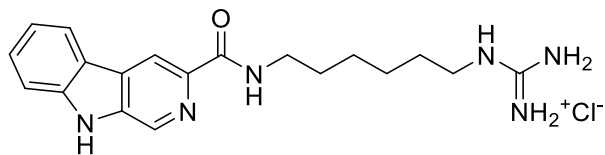


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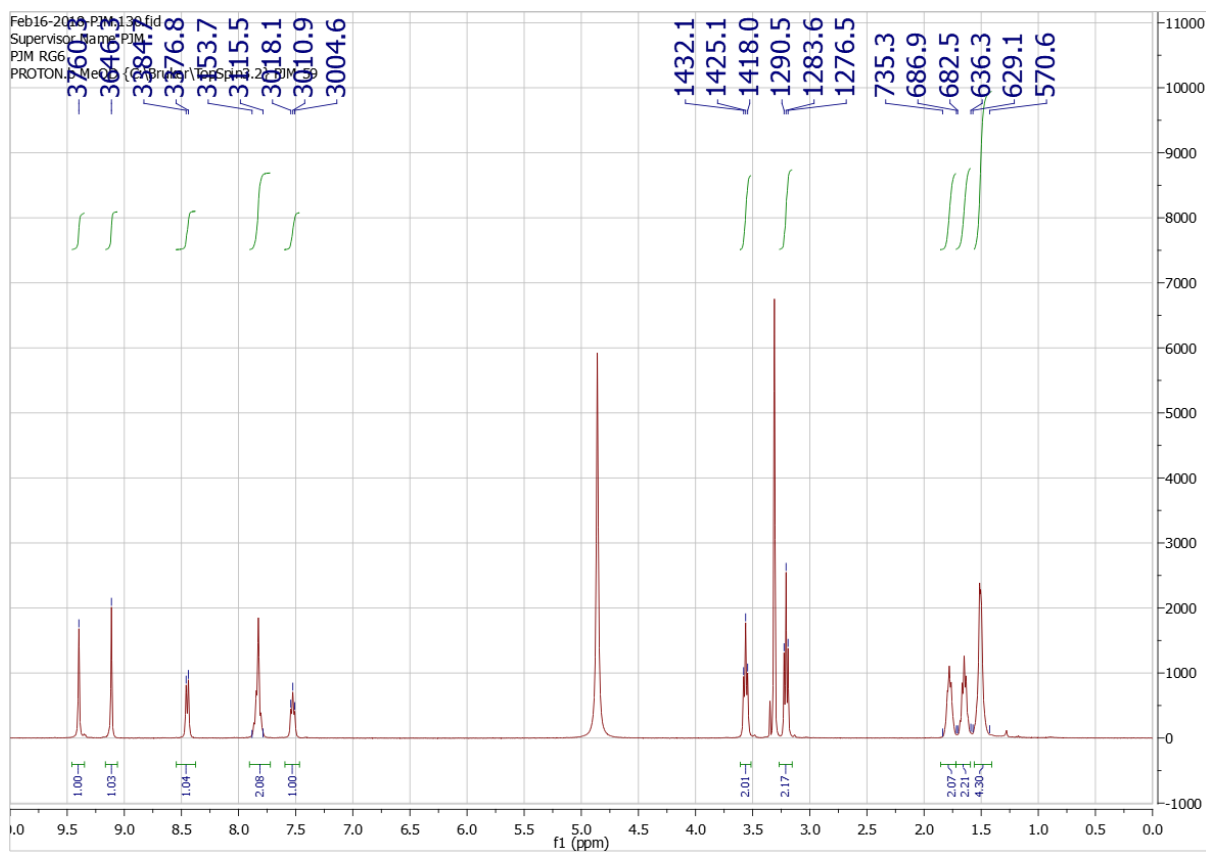


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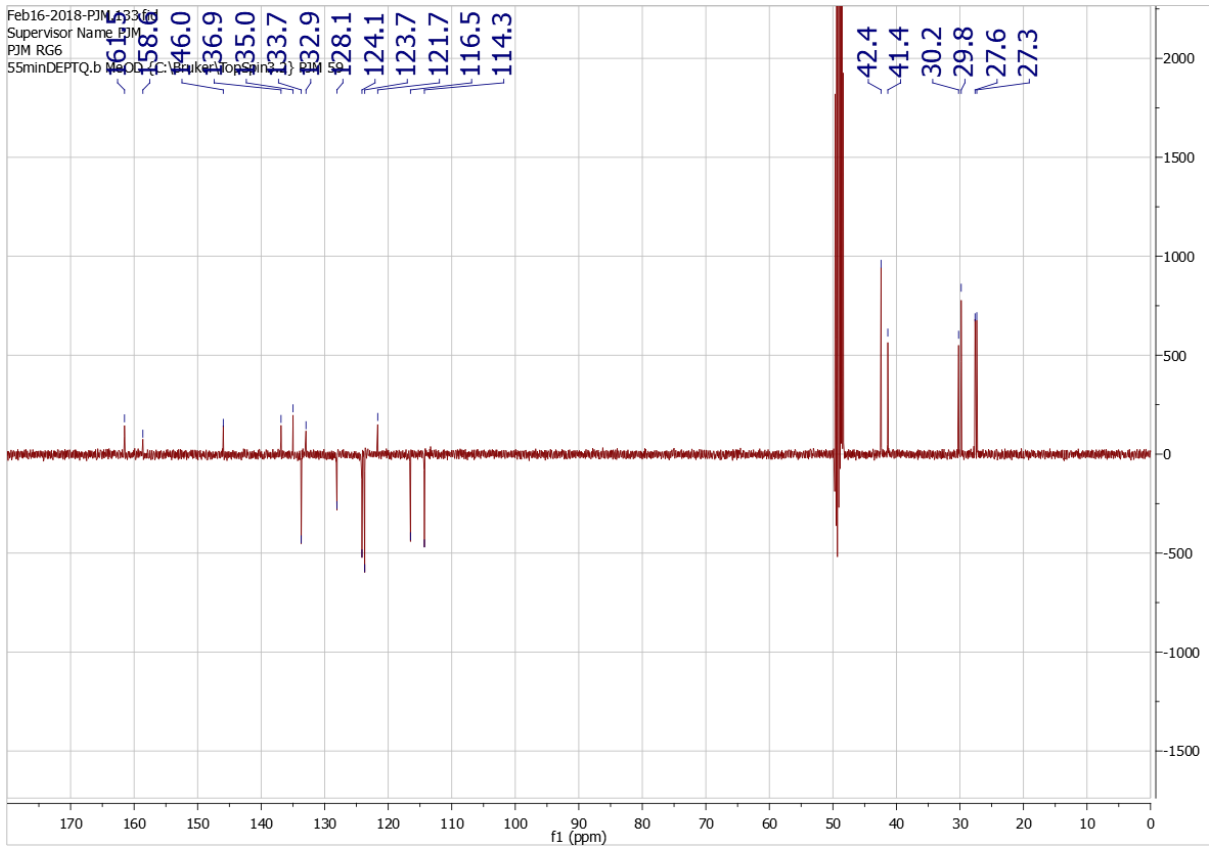




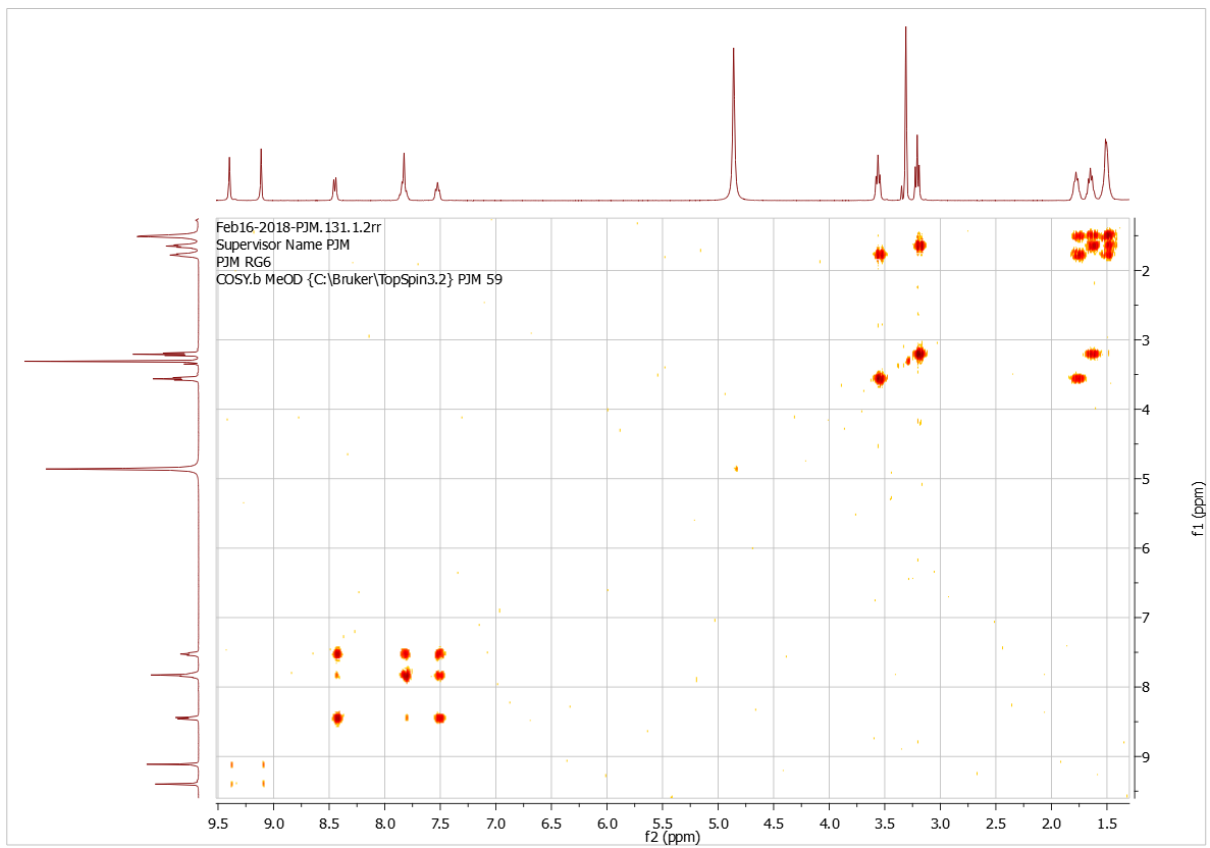
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7e ¹³C data:



7e COSY:



7e HSQC:

