

Supporting Information

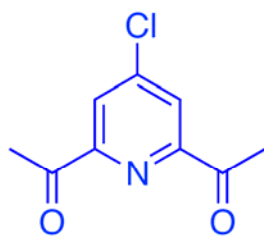
Scalable Syntheses of 4-Substituted Pyridine-Diimines

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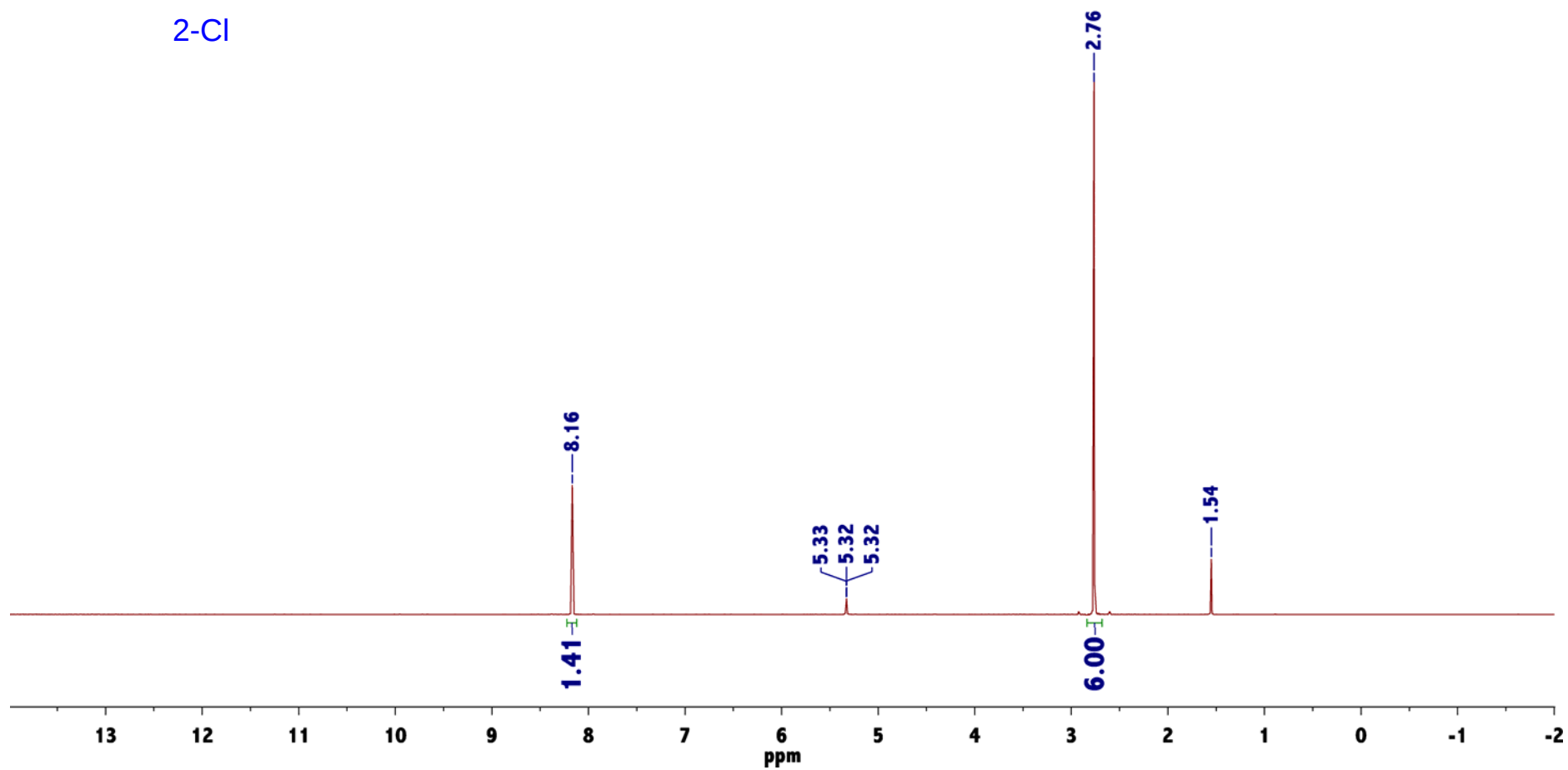
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02138*

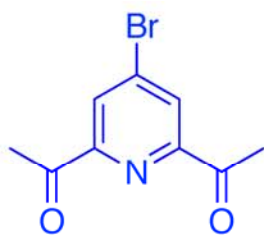
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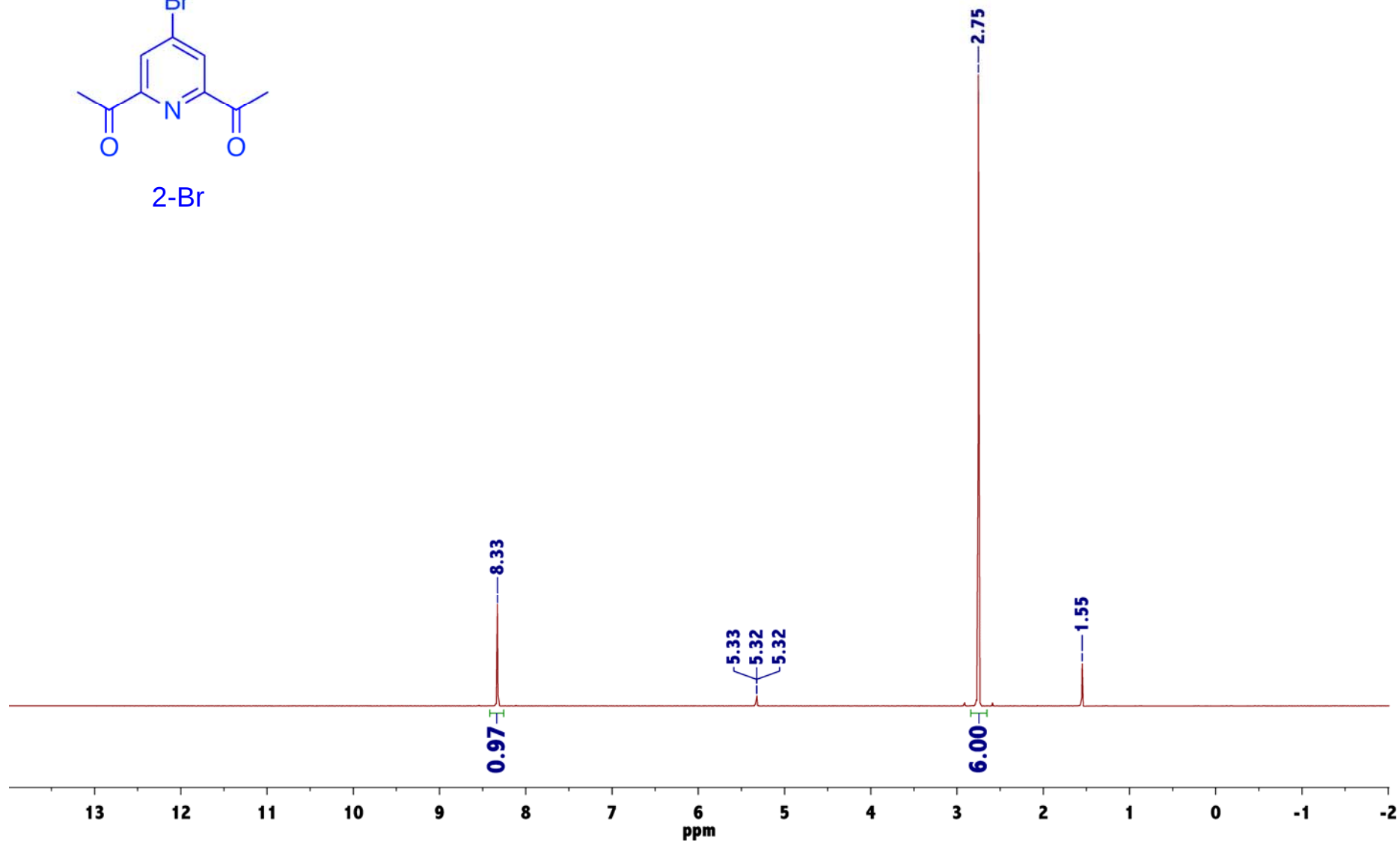


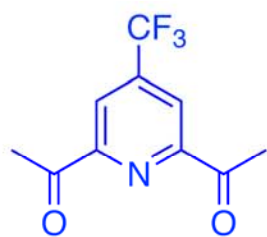
2-Cl



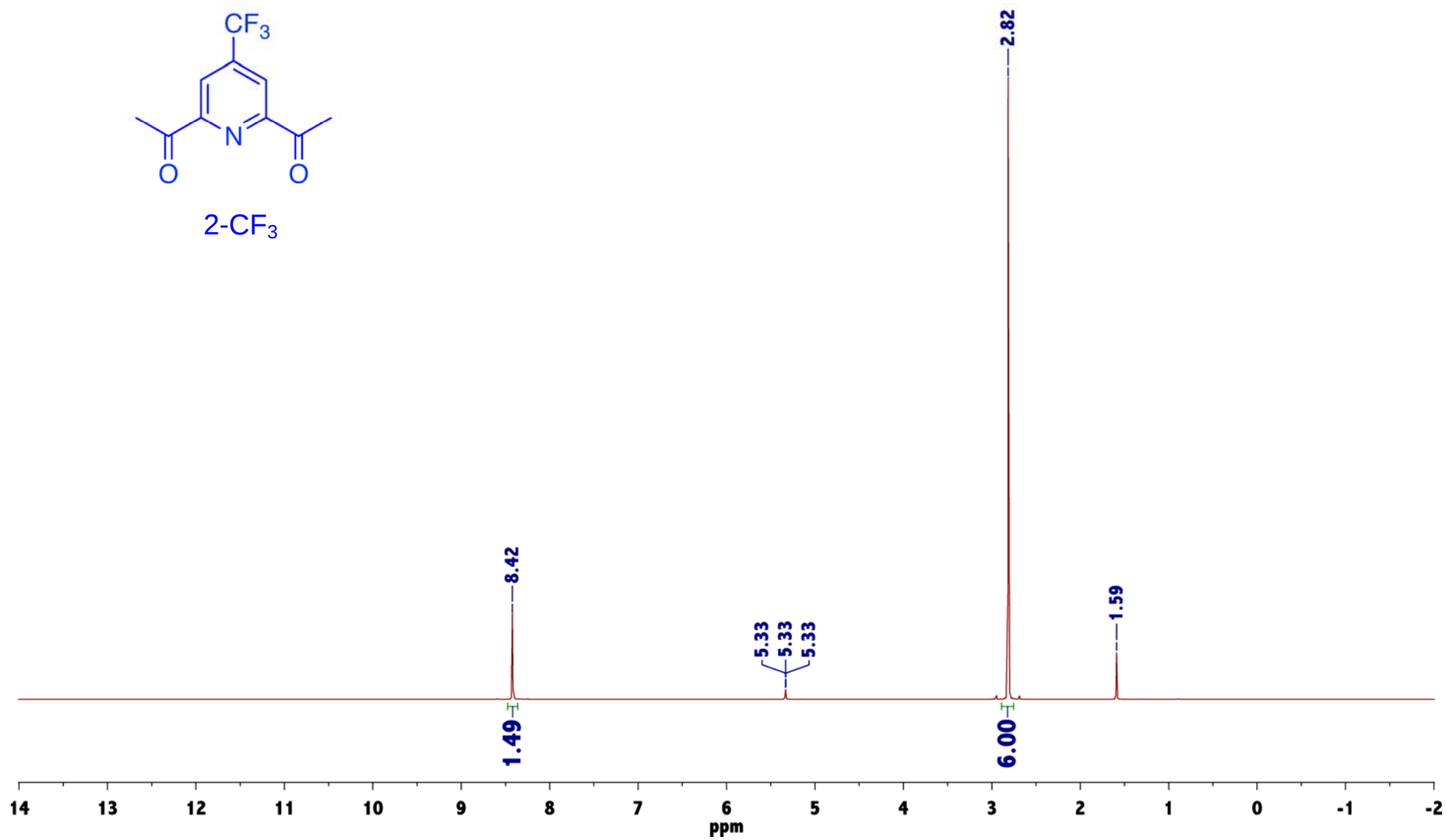


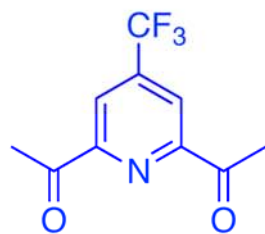
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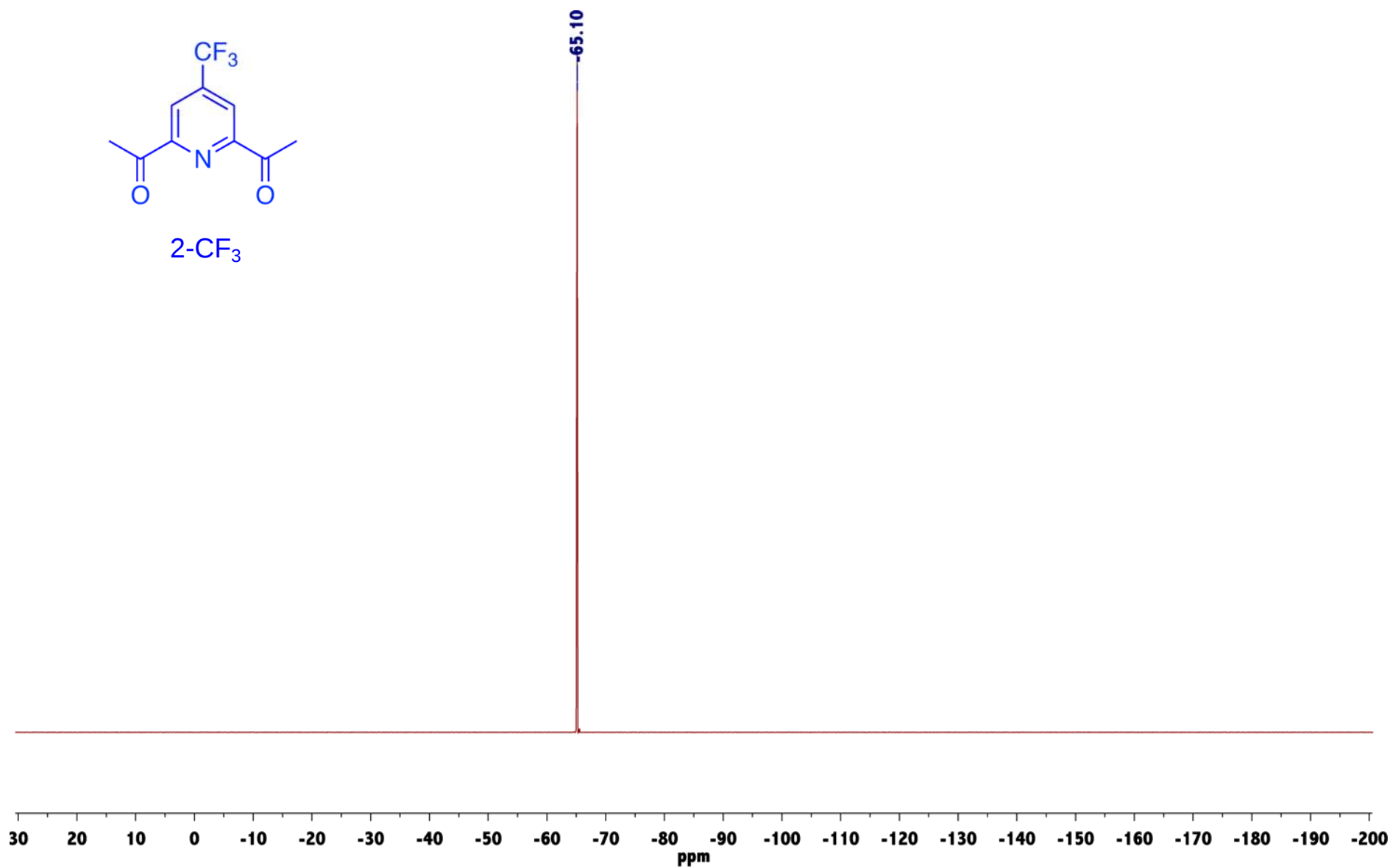


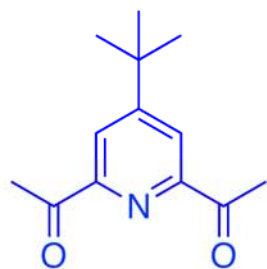
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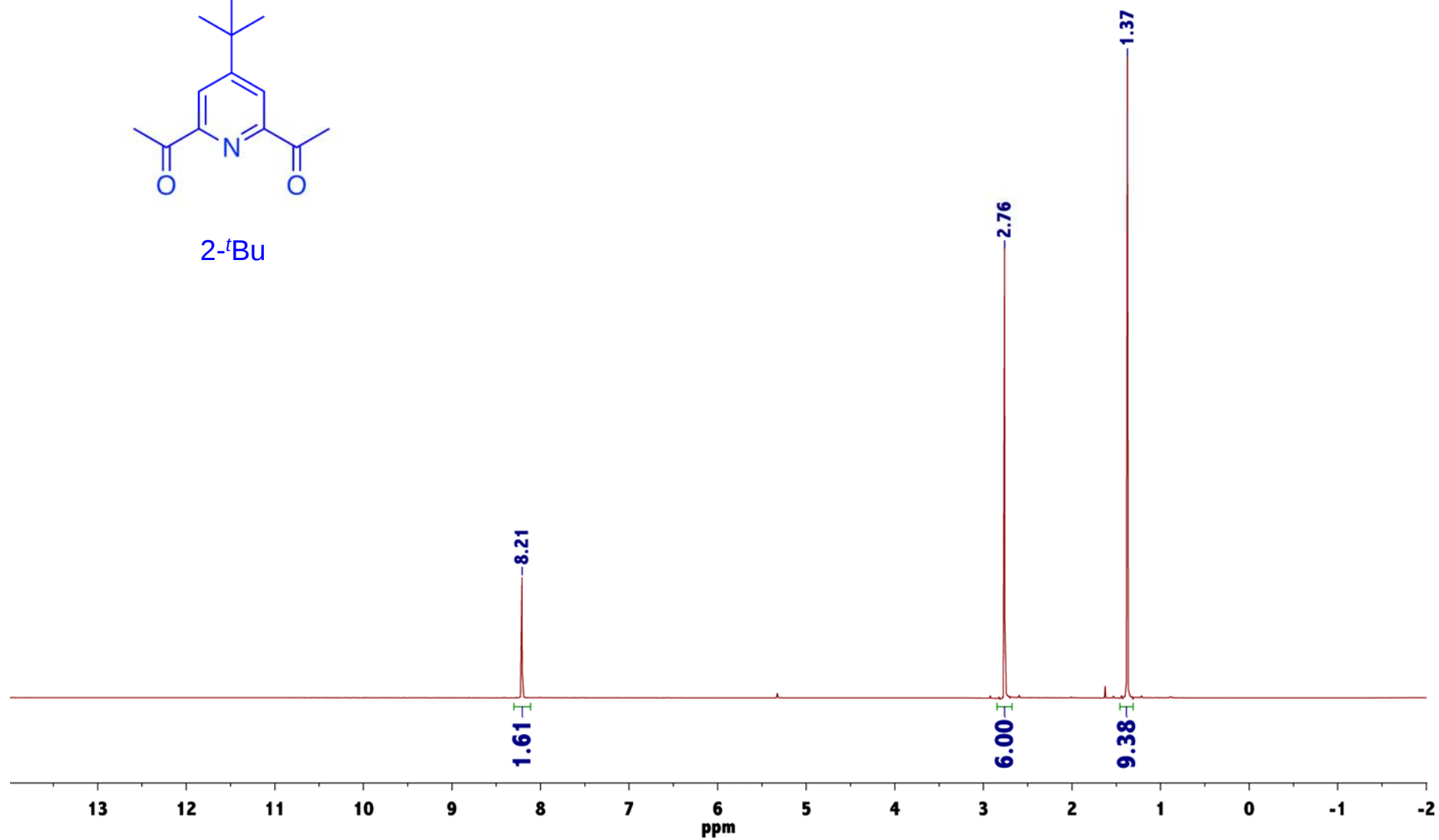


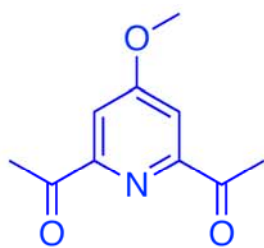
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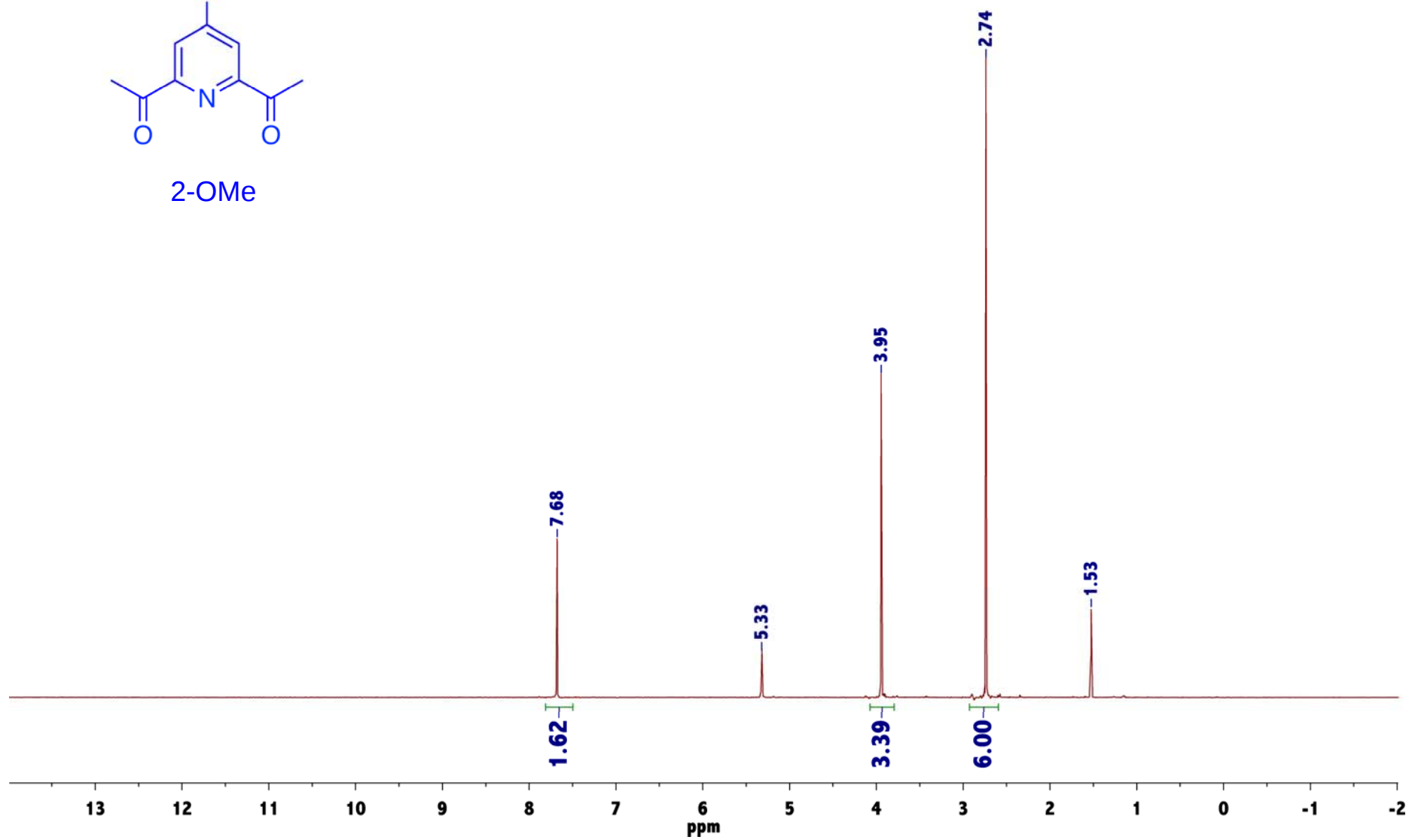


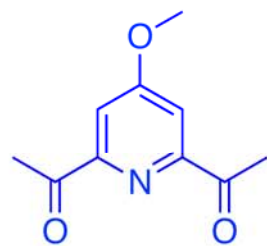
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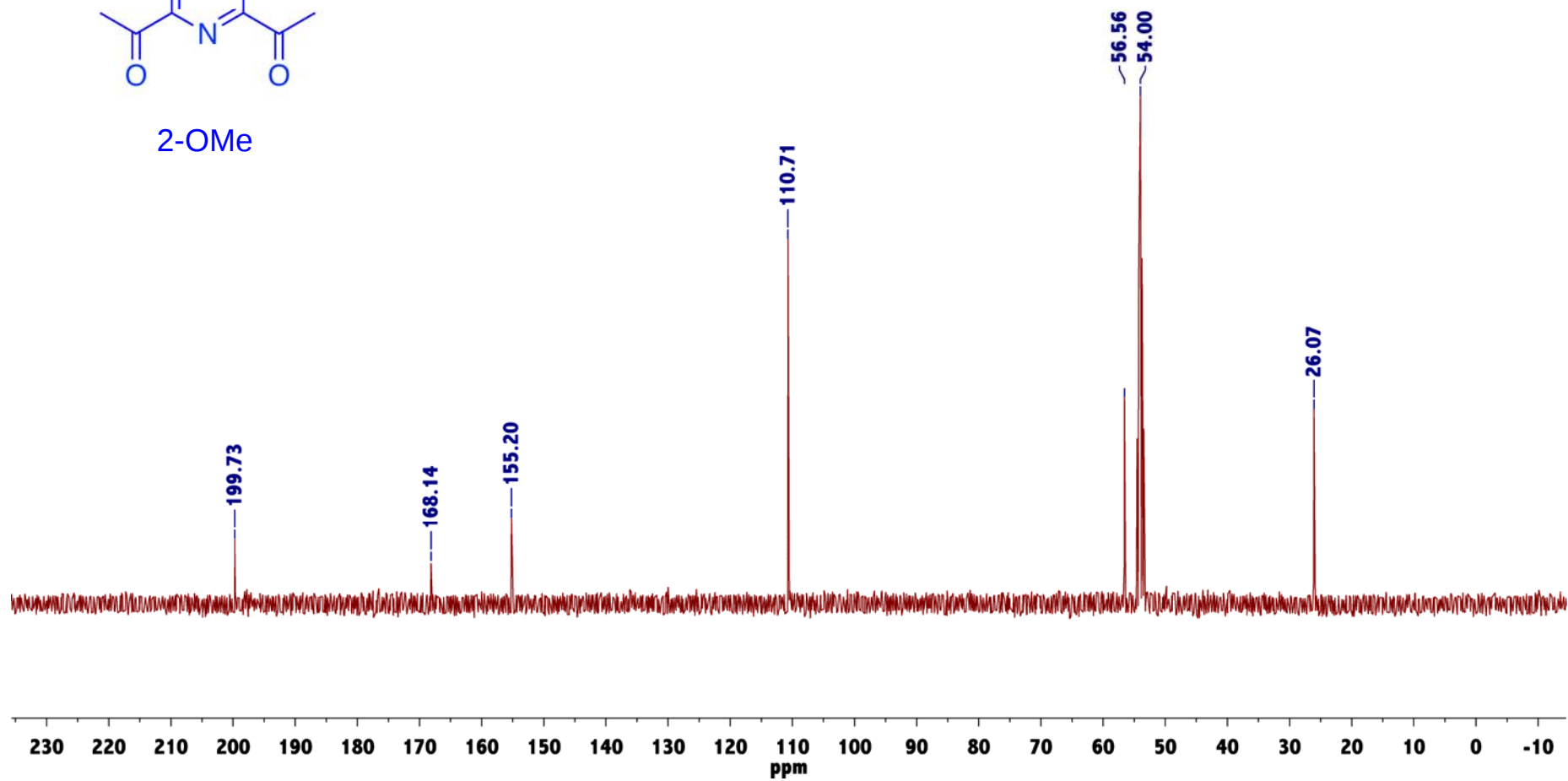


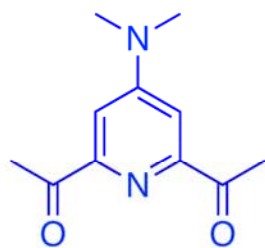
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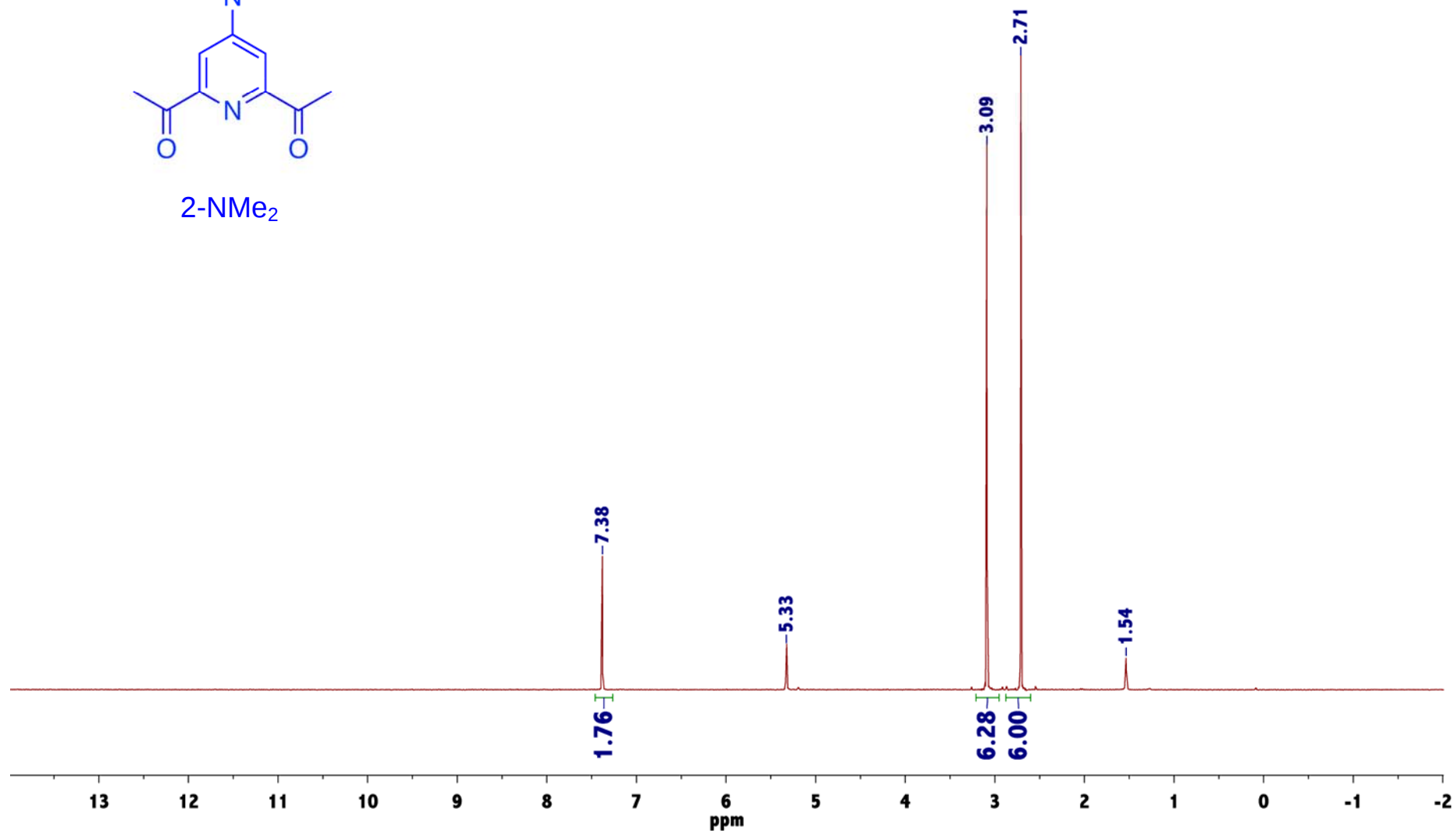


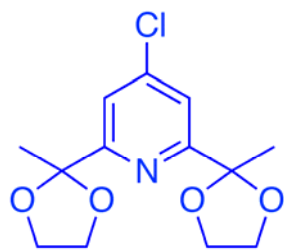
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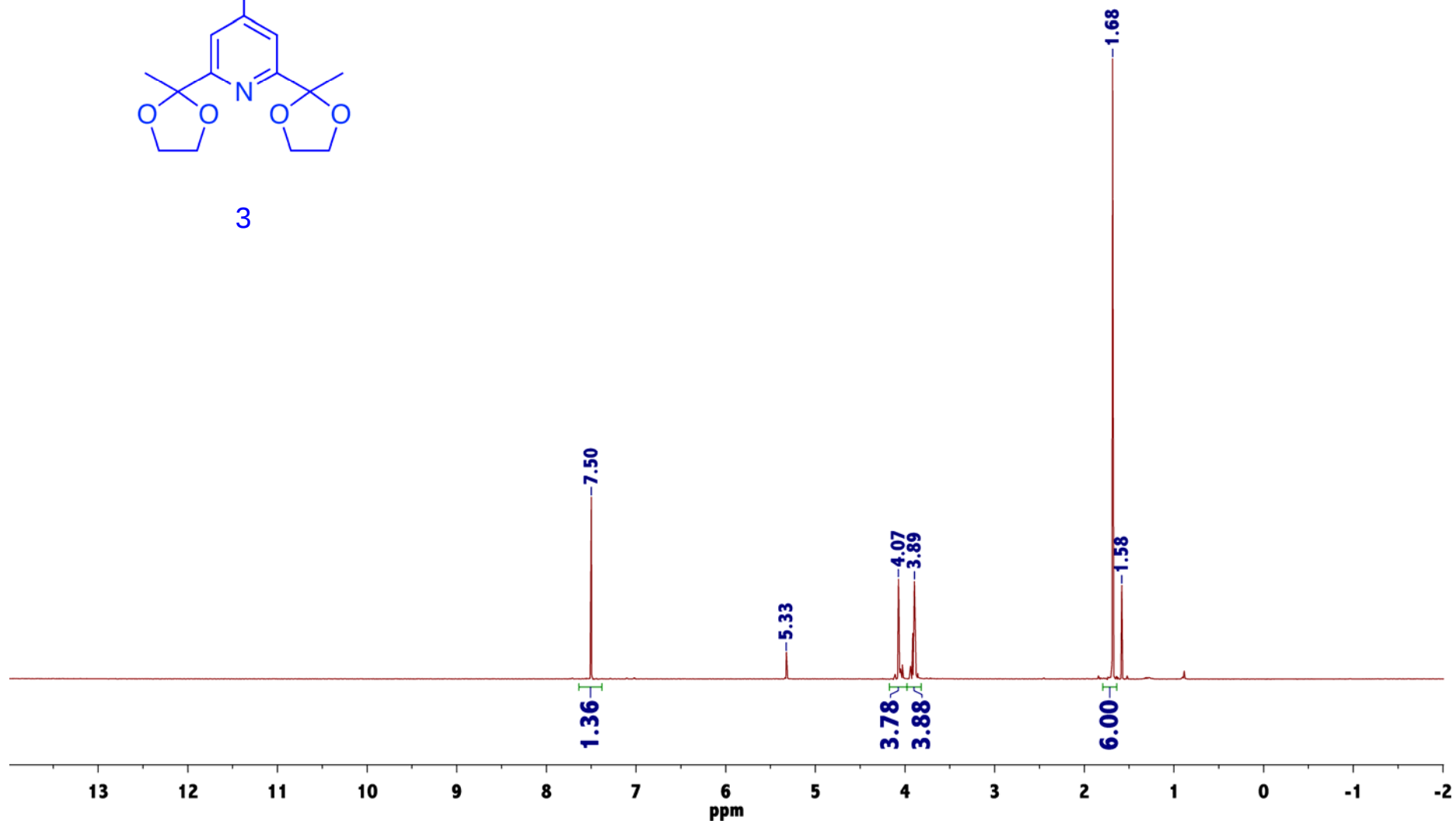


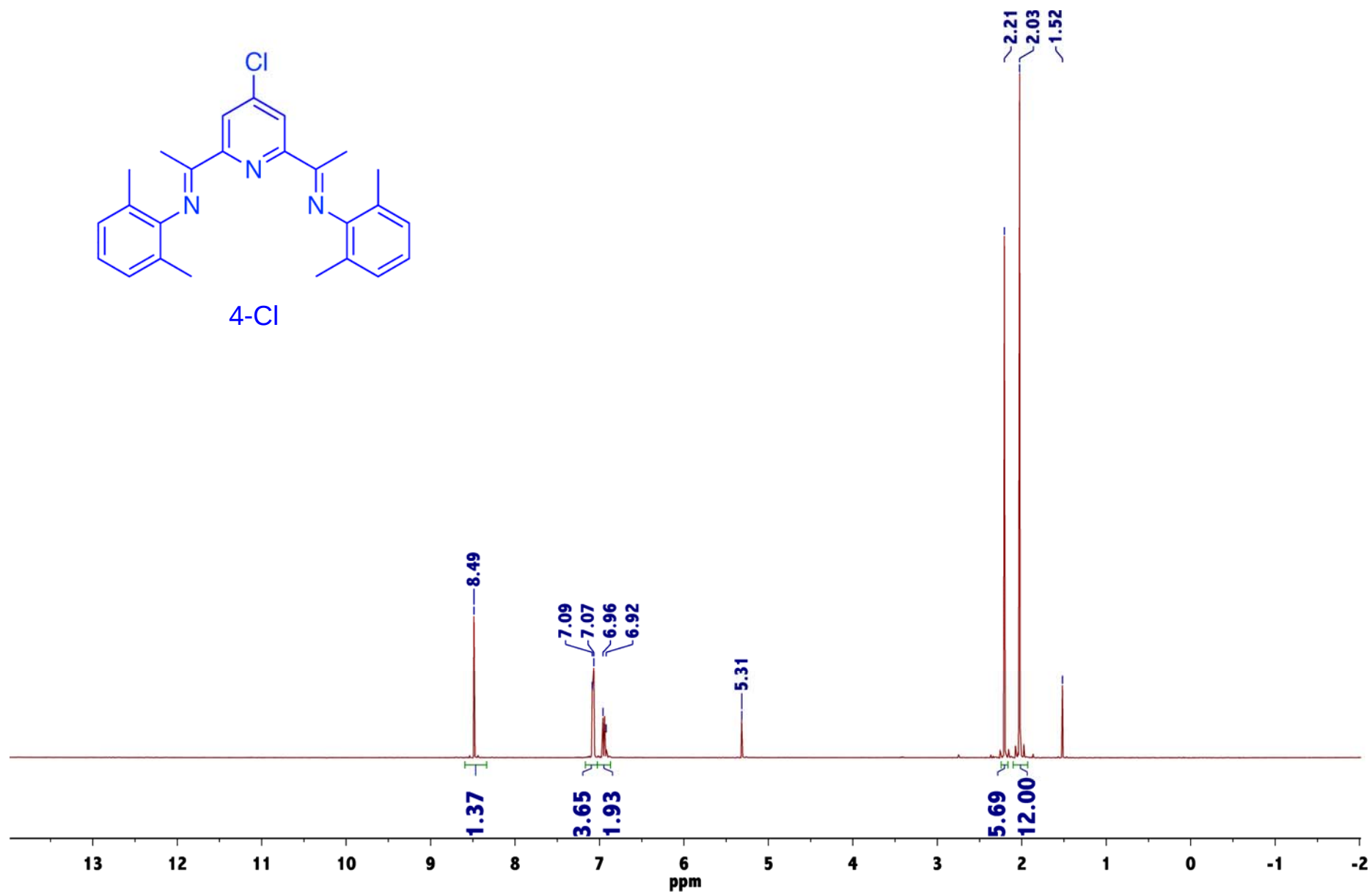
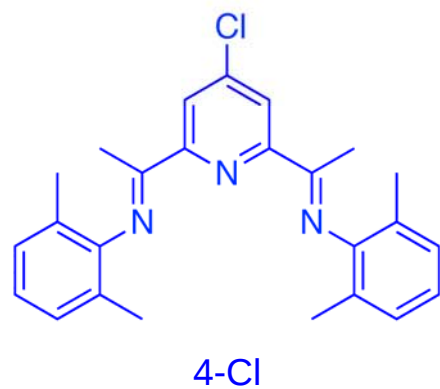
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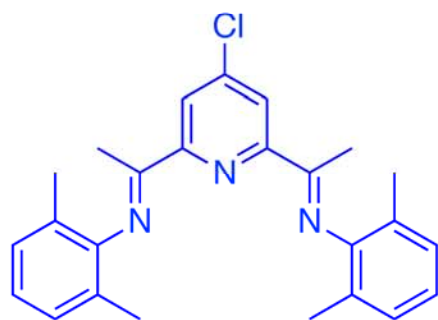




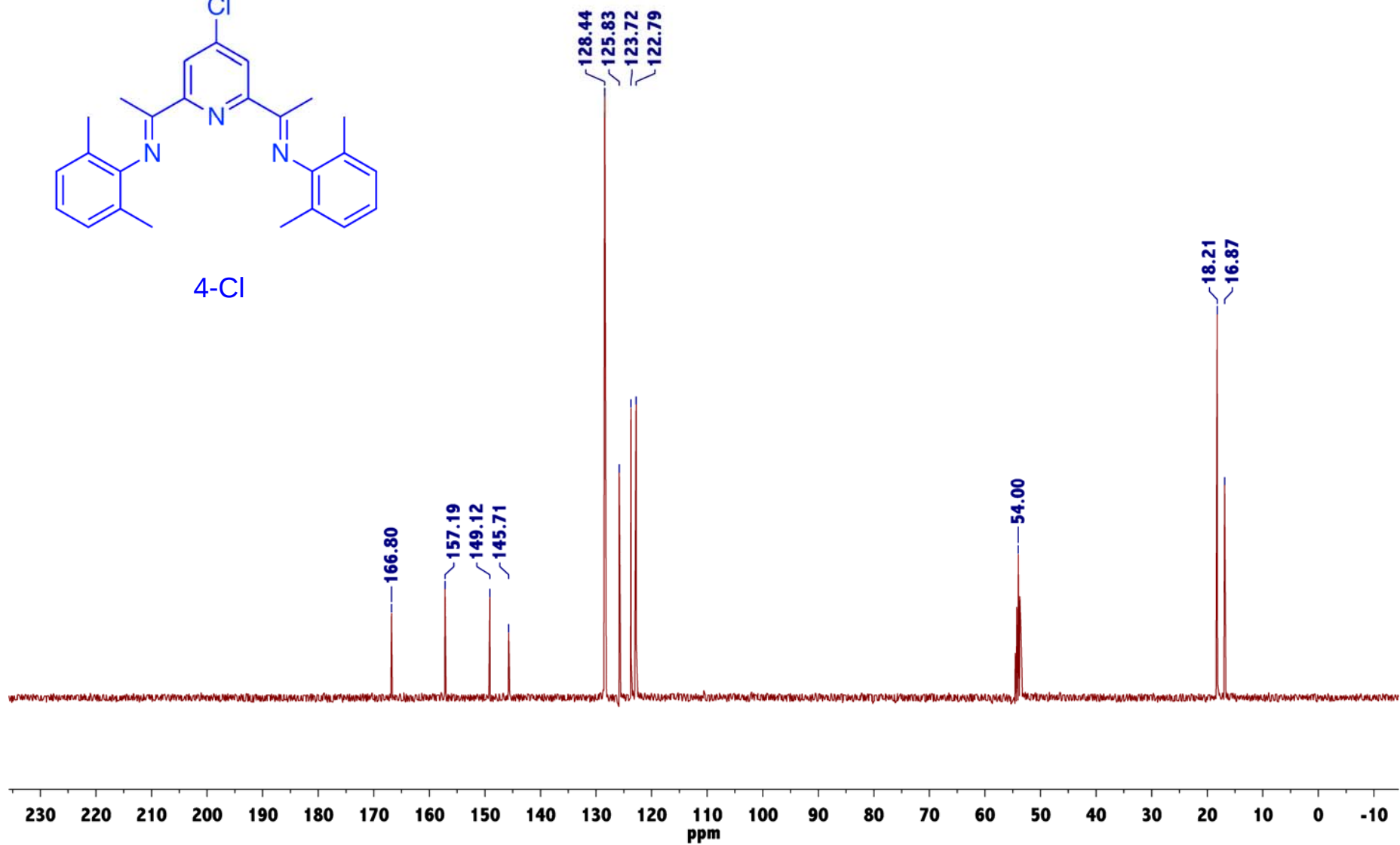
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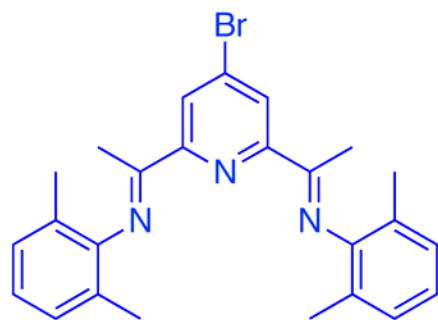




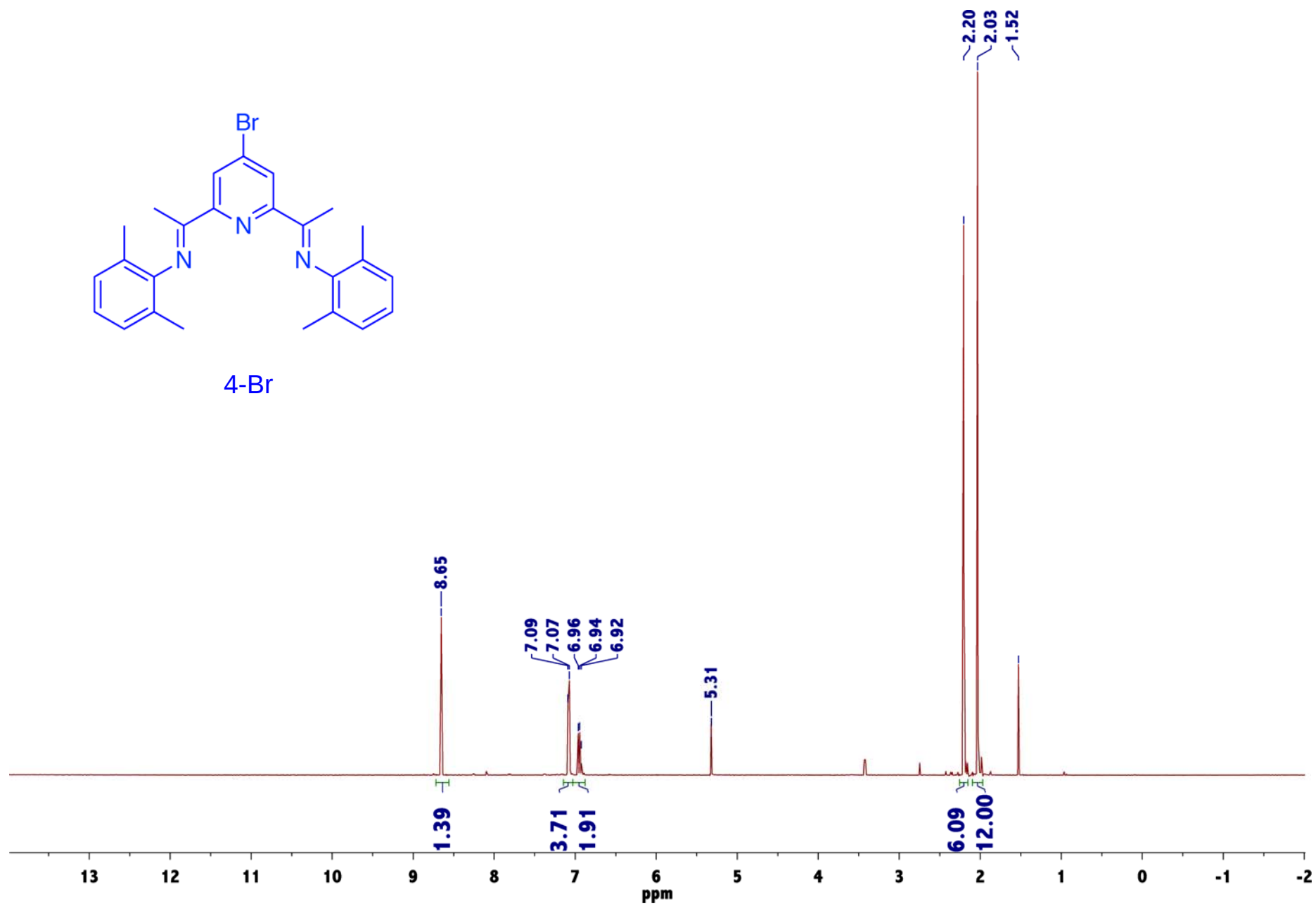


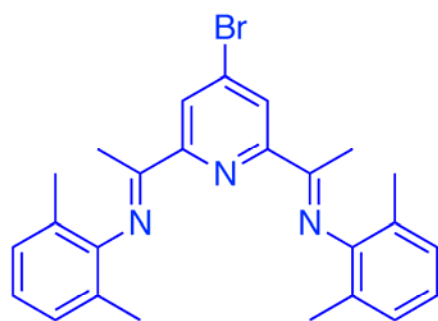
4-Cl



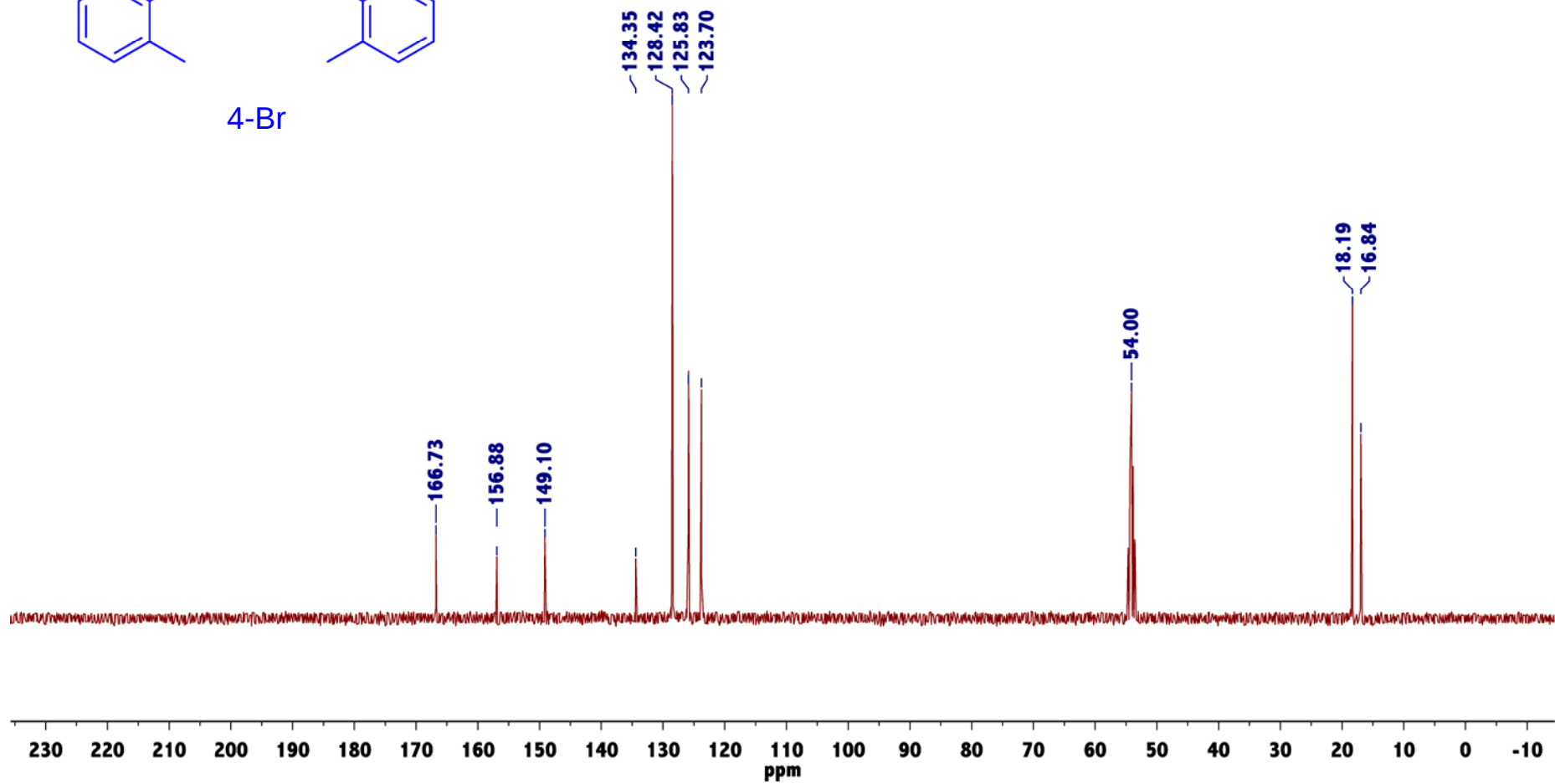


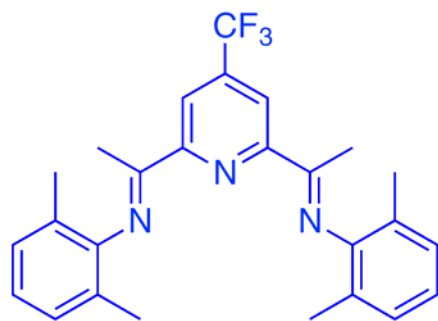
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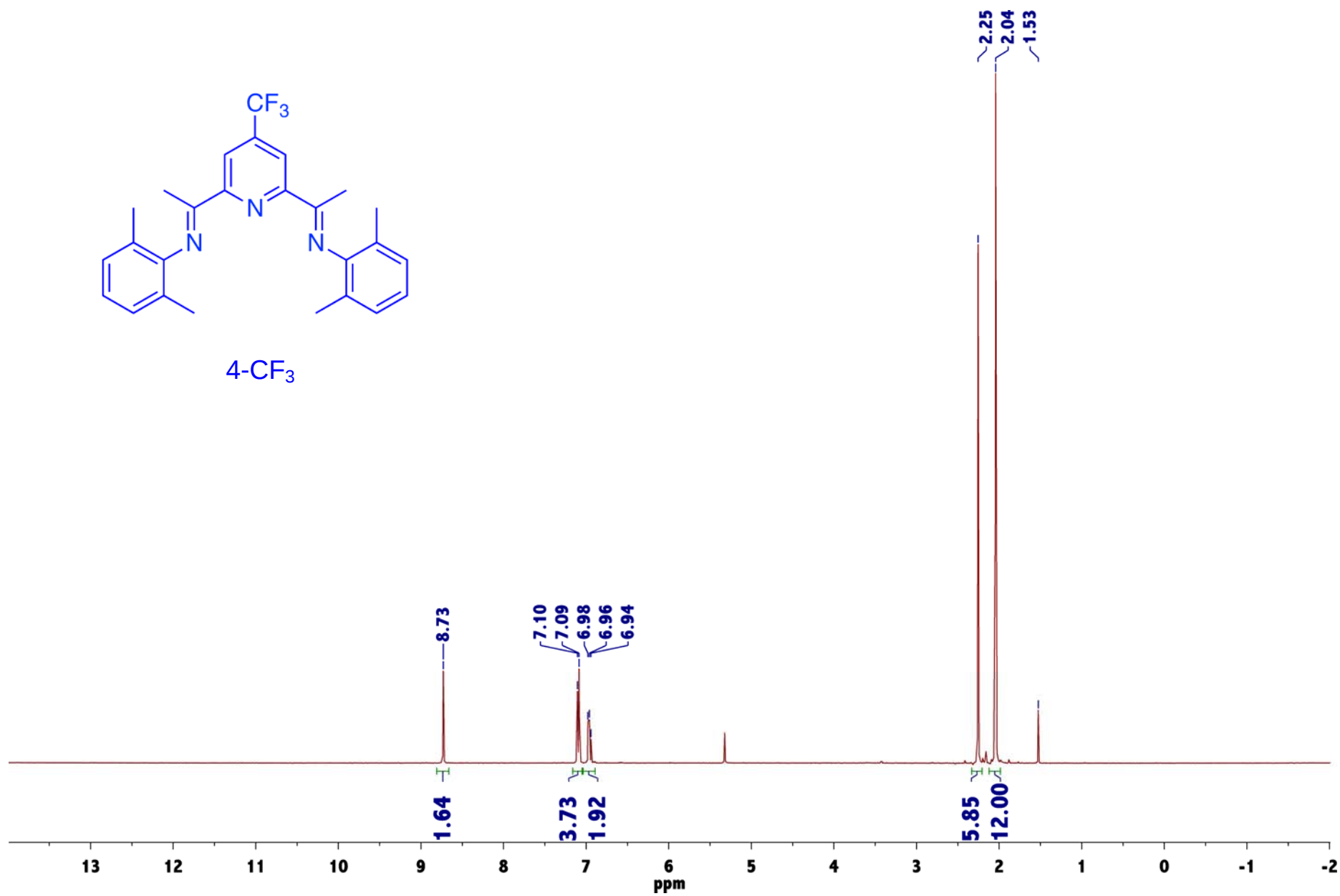


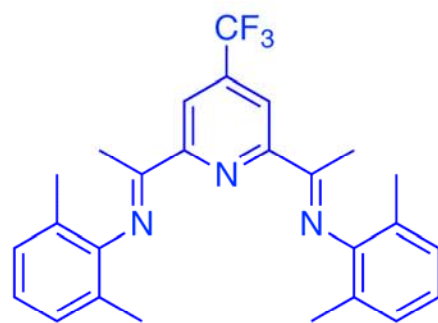
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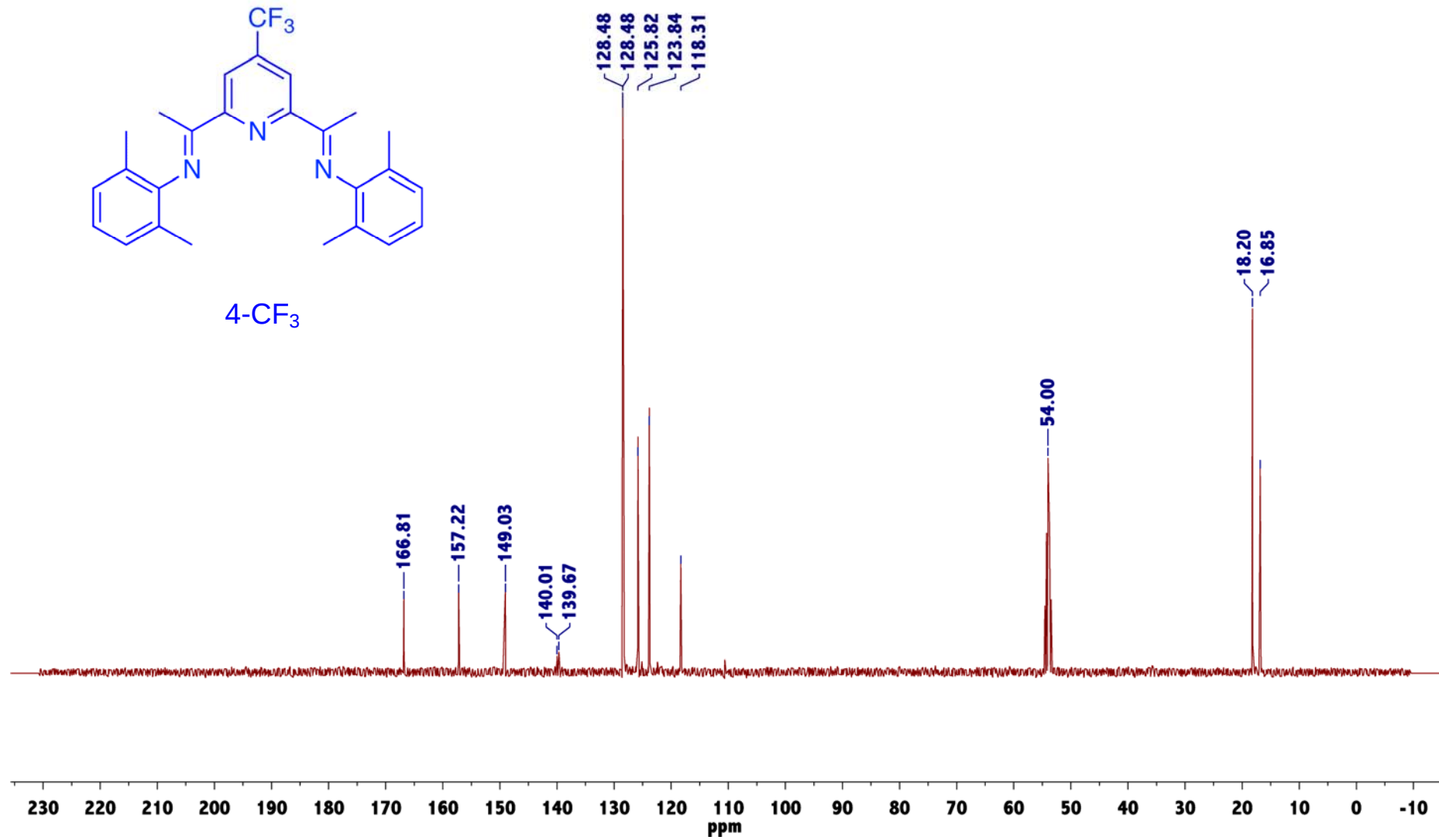


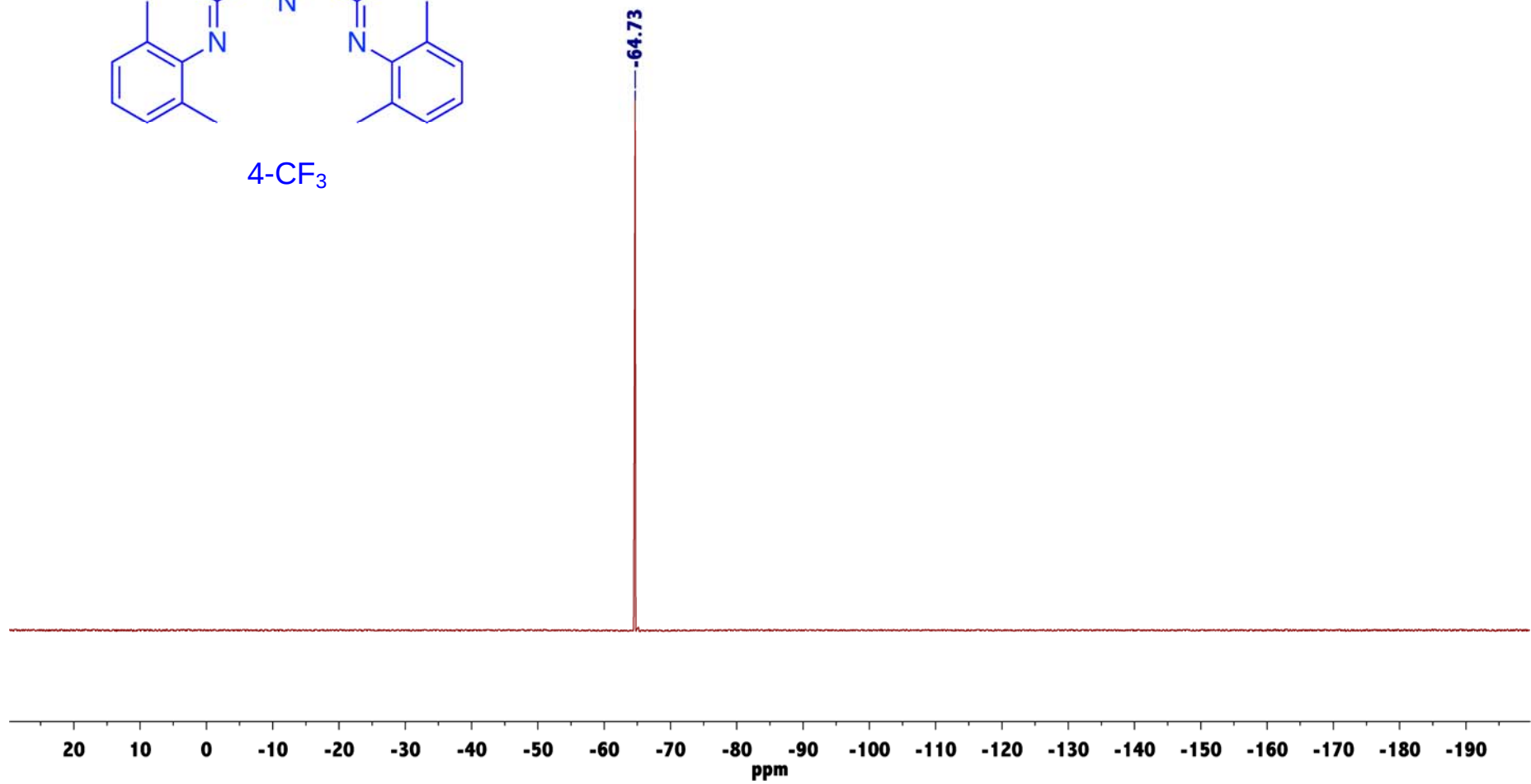
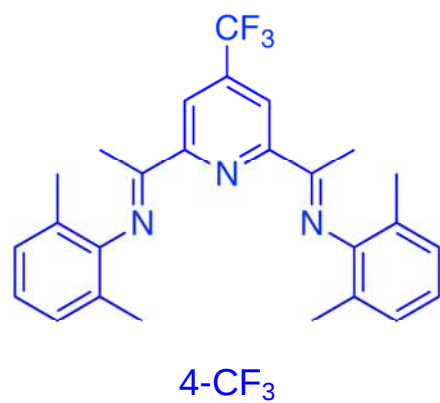
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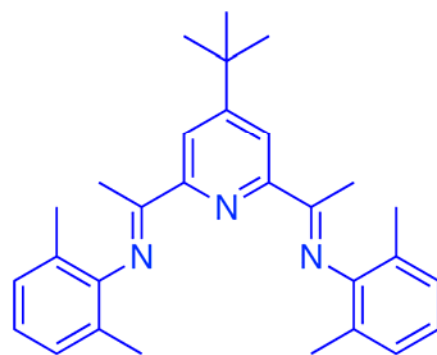




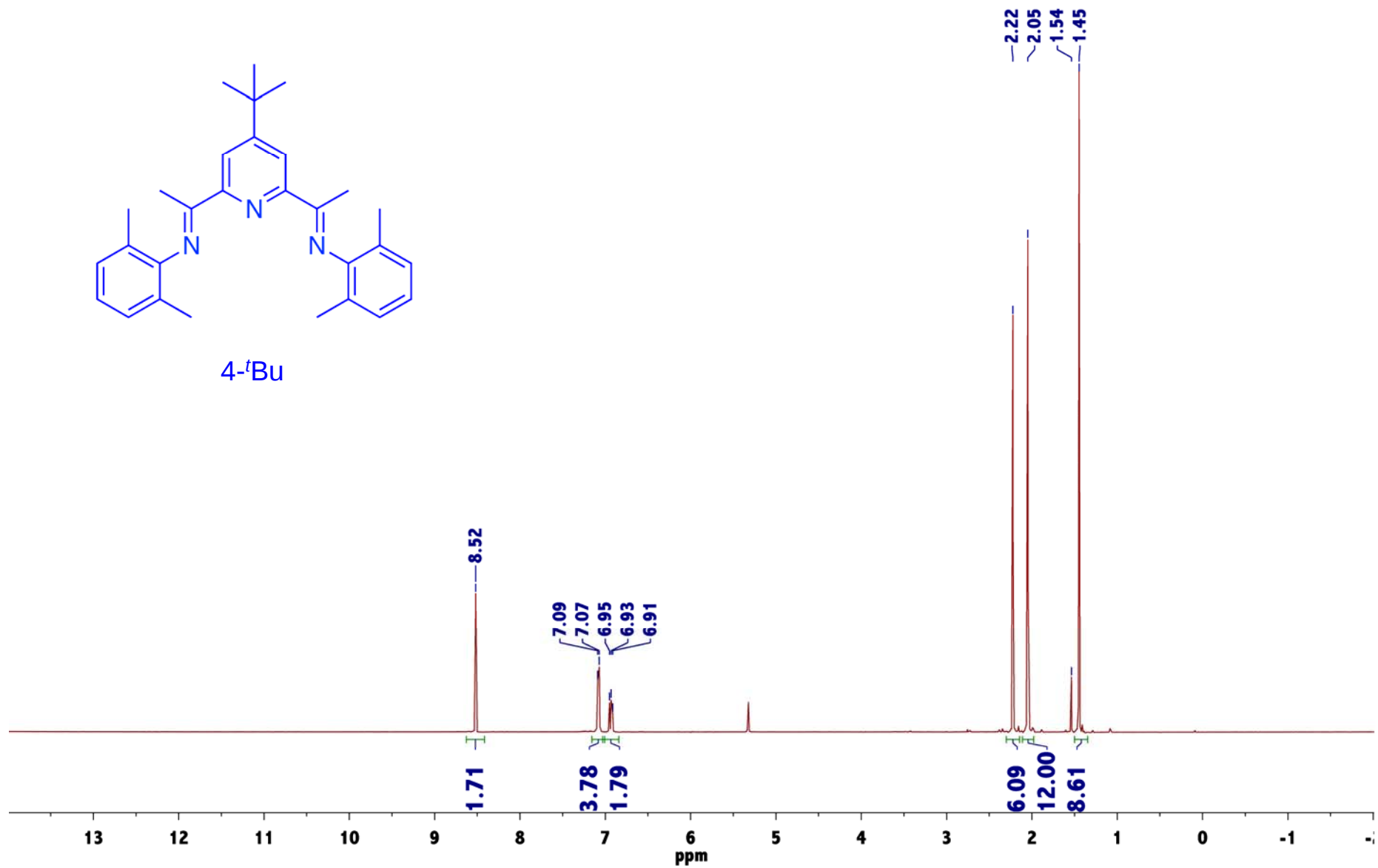
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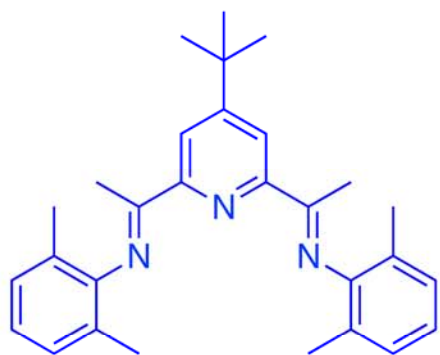




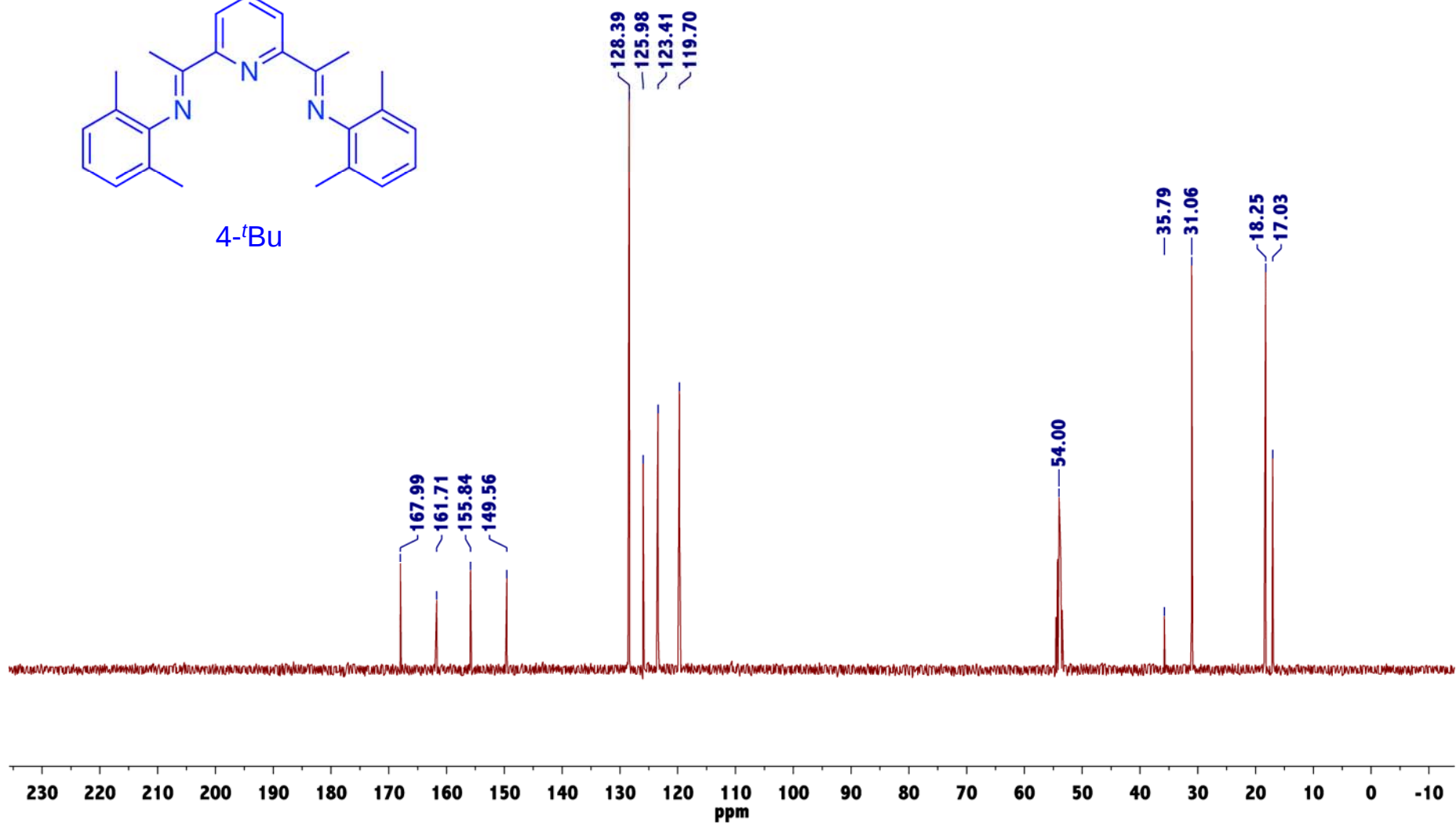


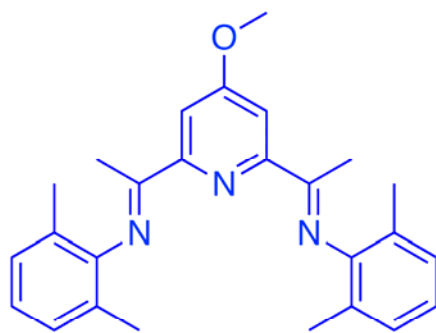
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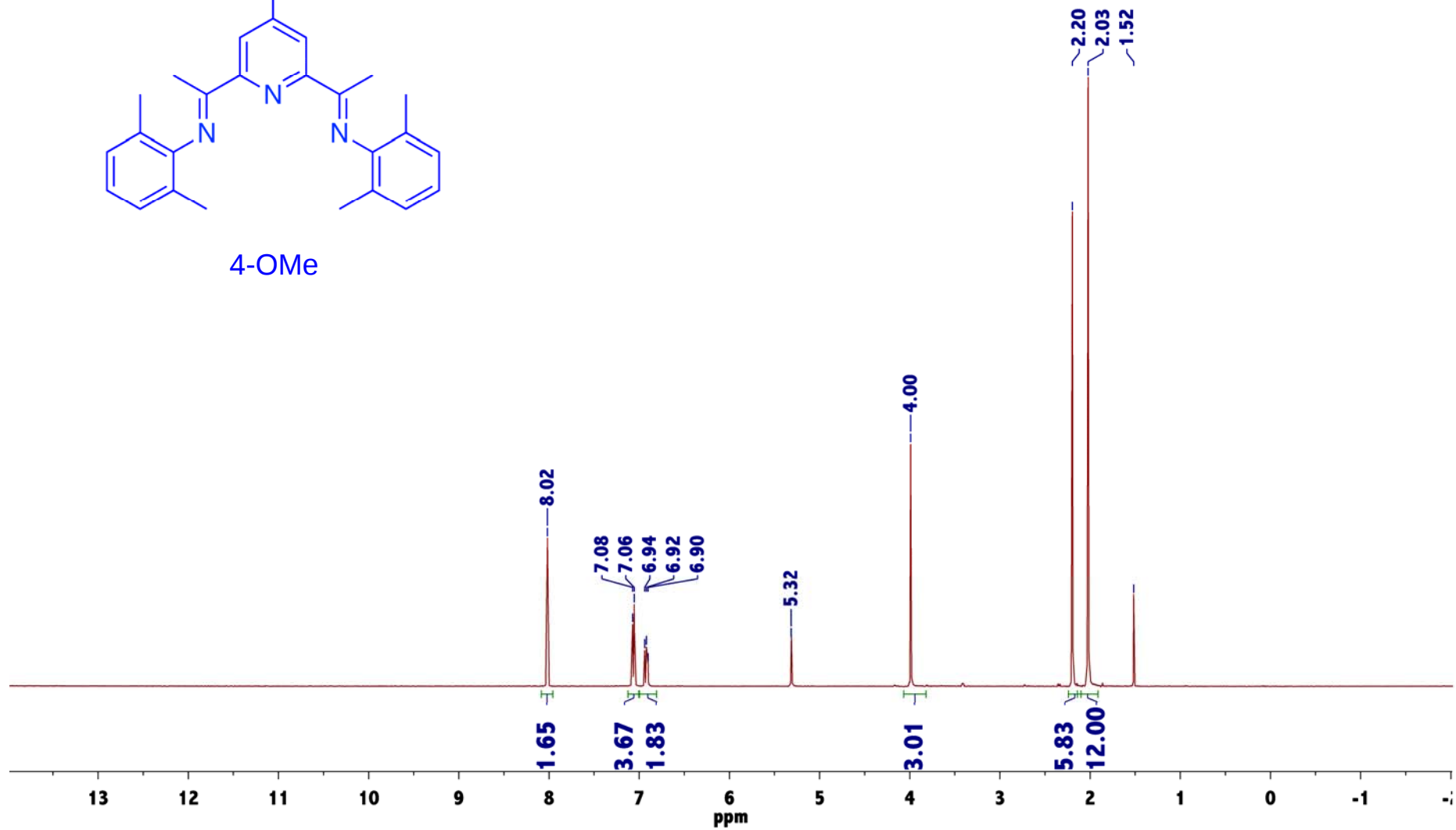


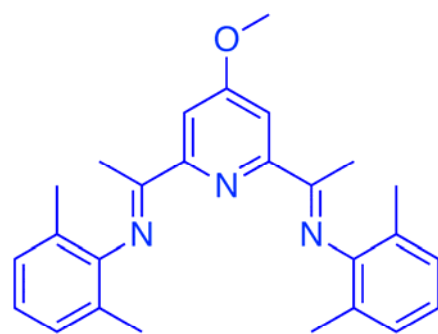
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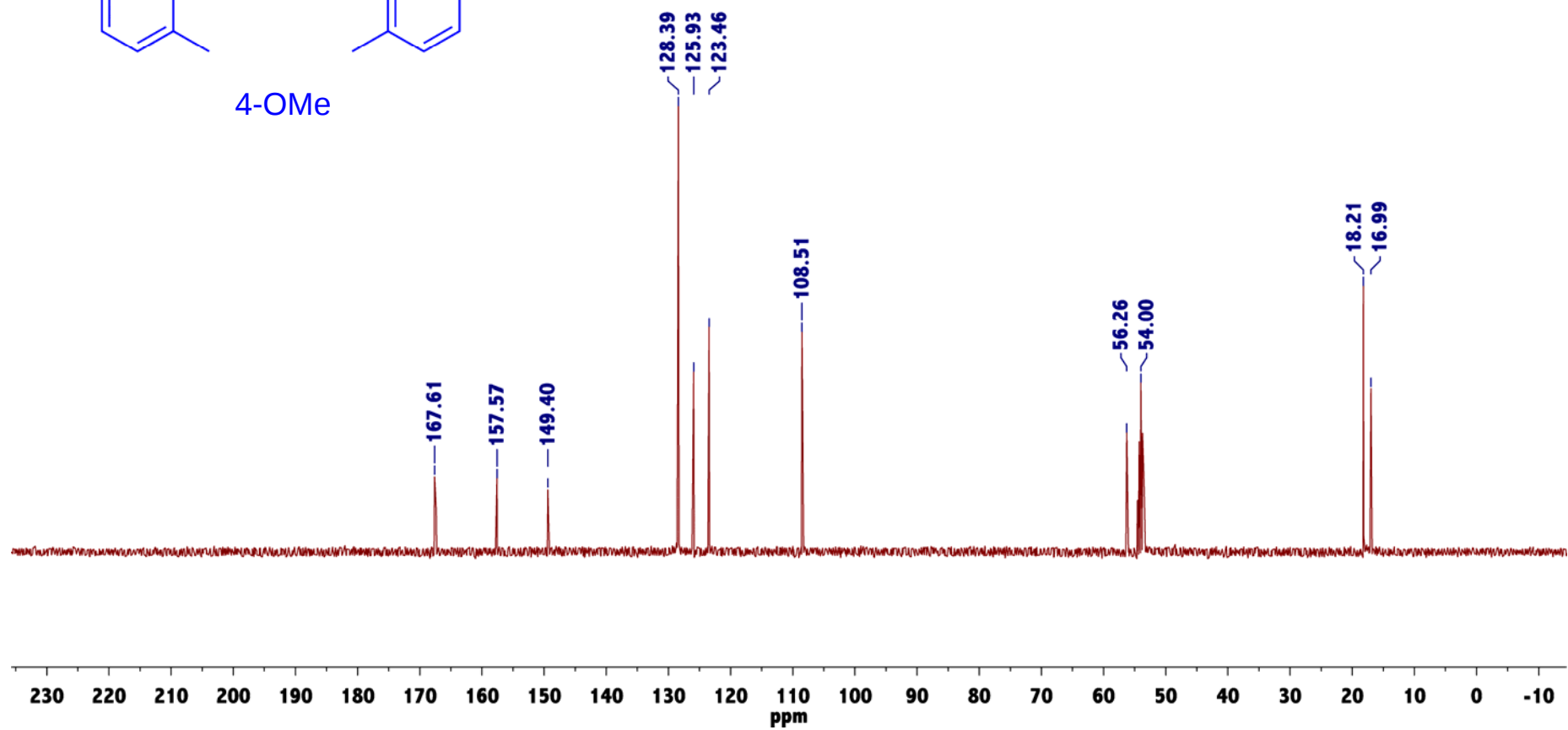


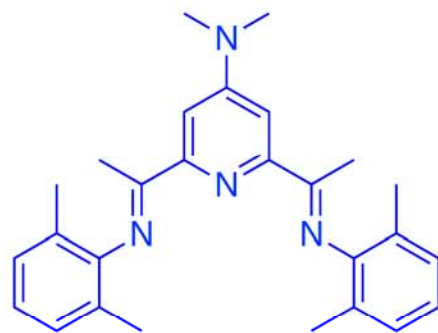
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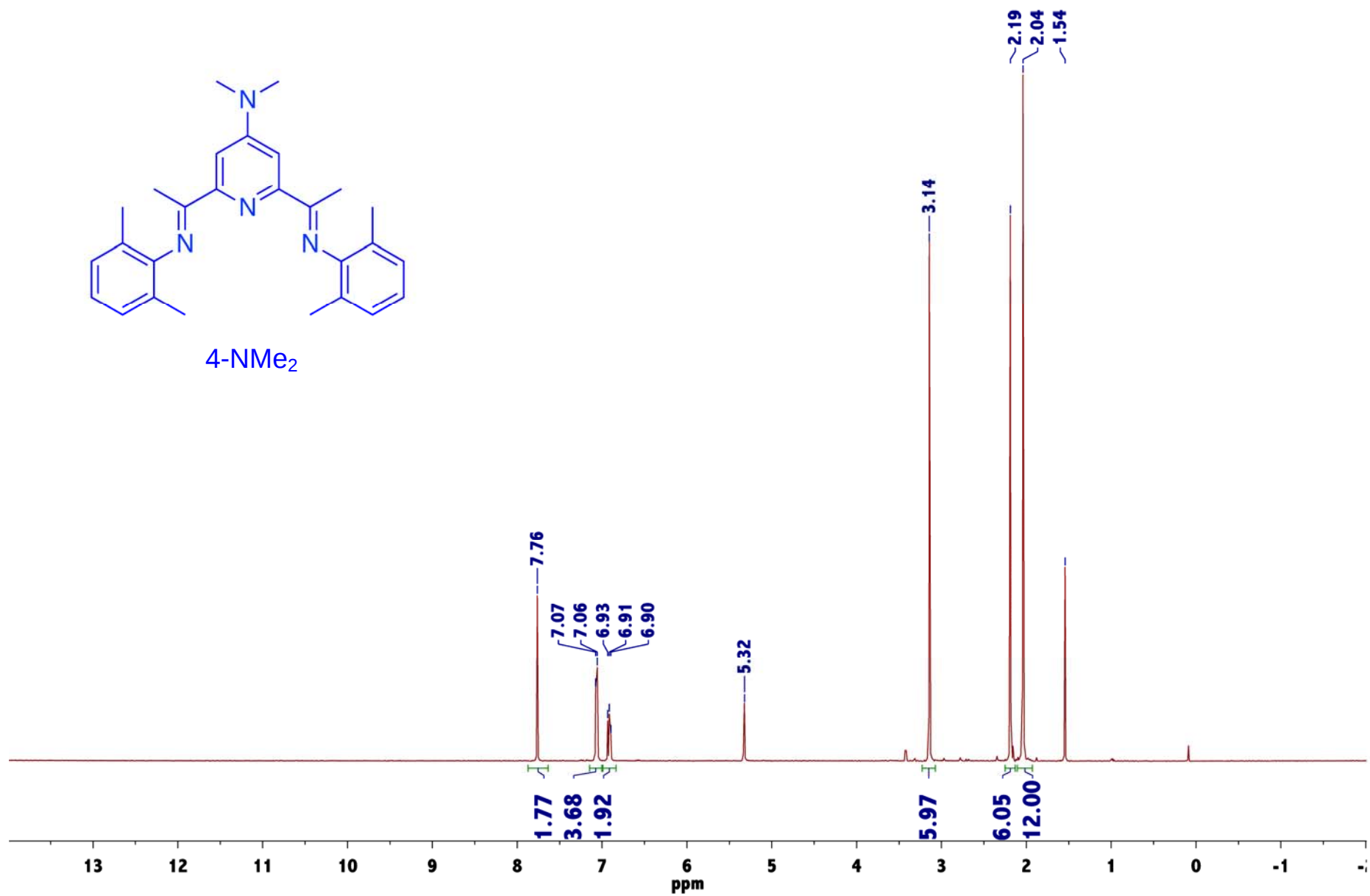


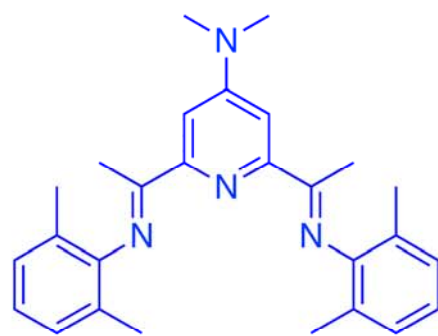
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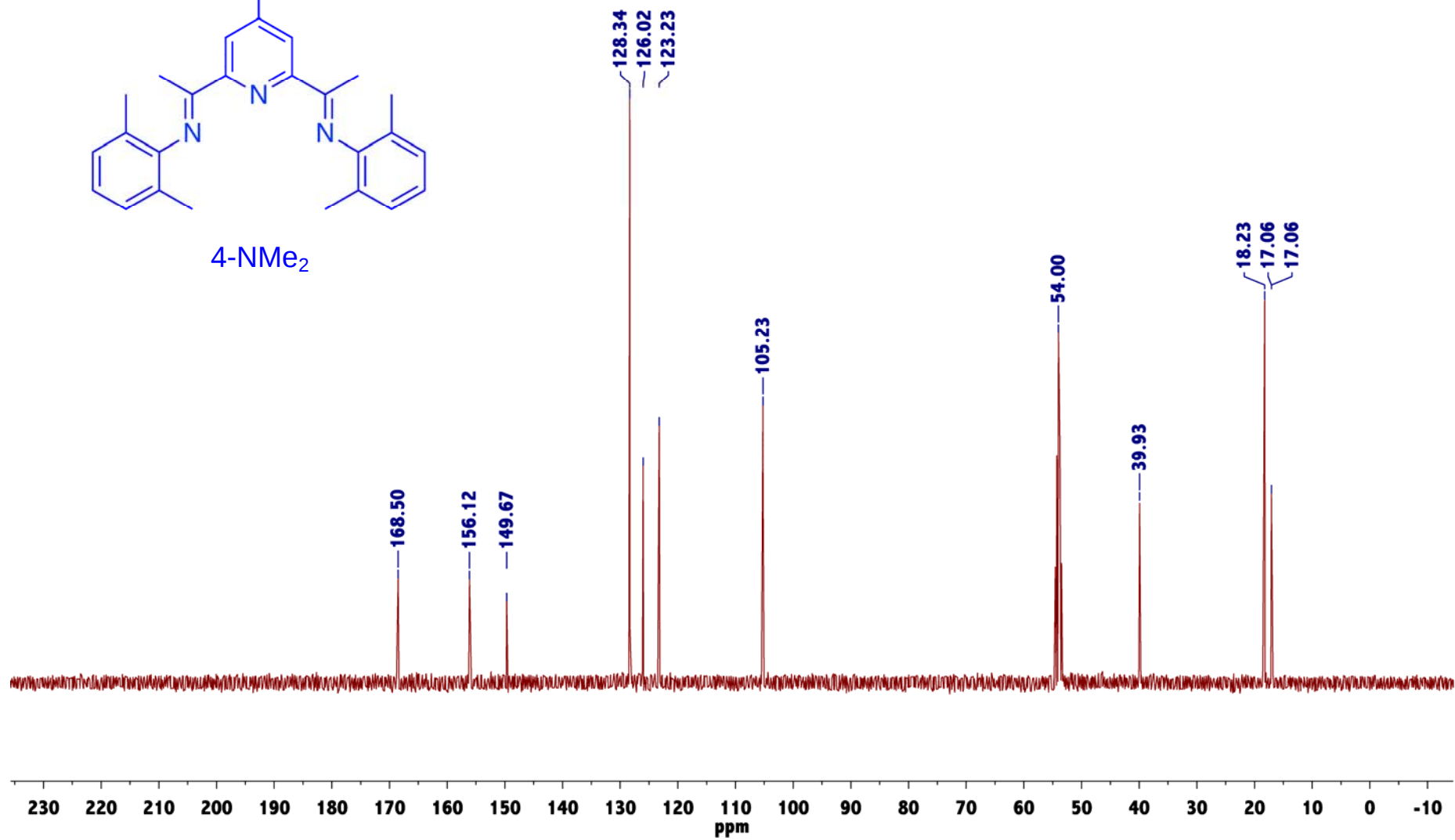


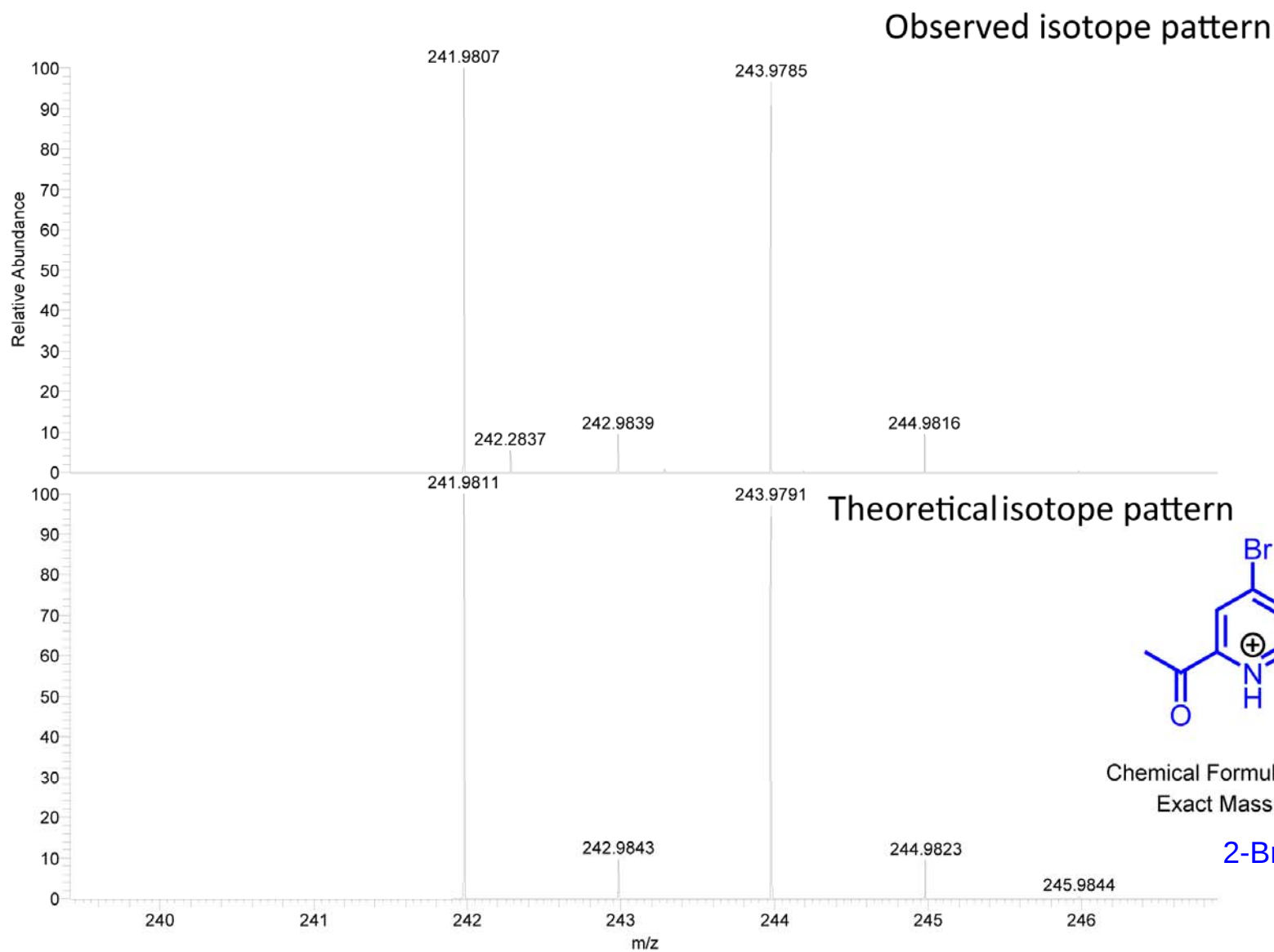
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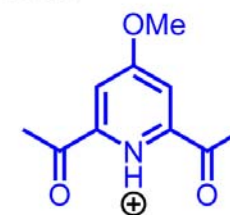
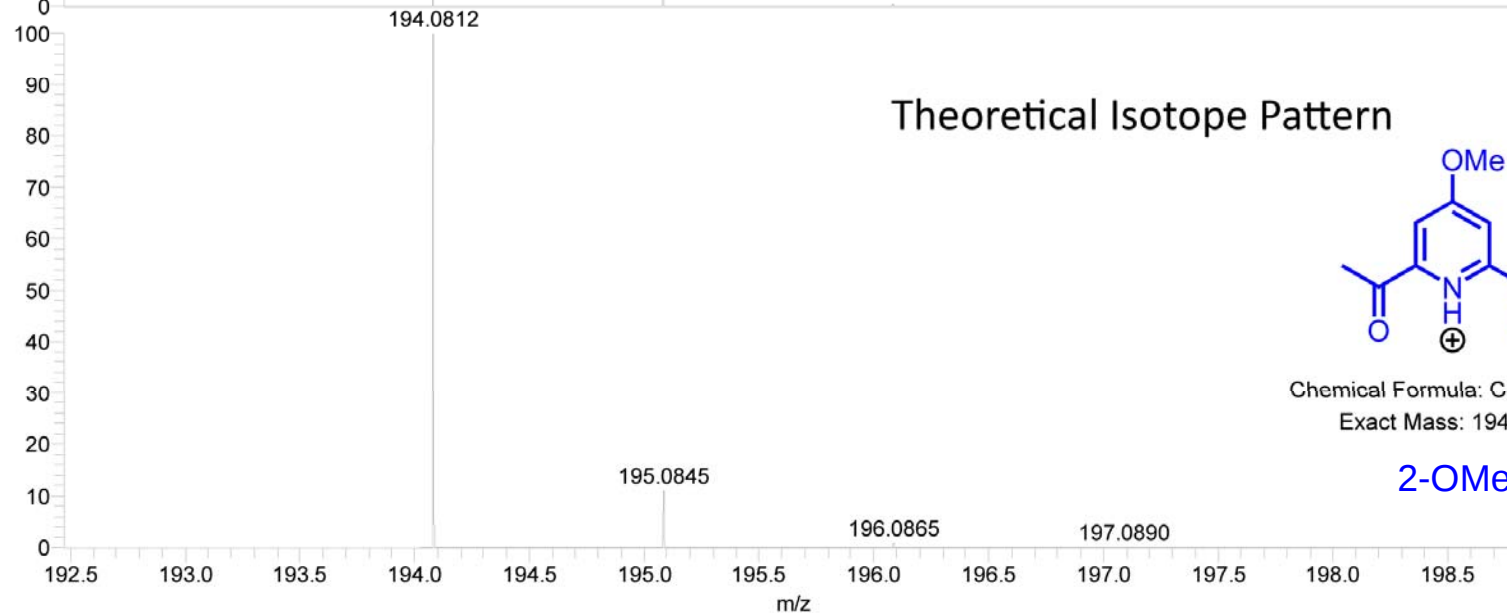
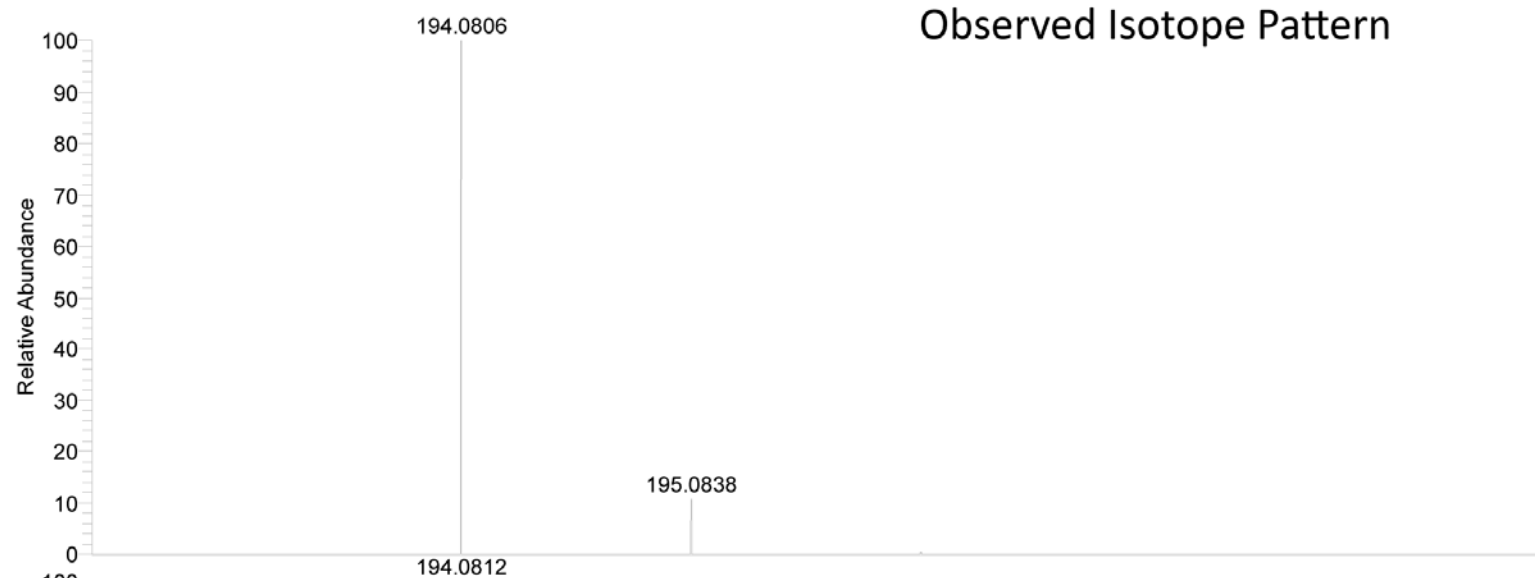


4-NMe₂





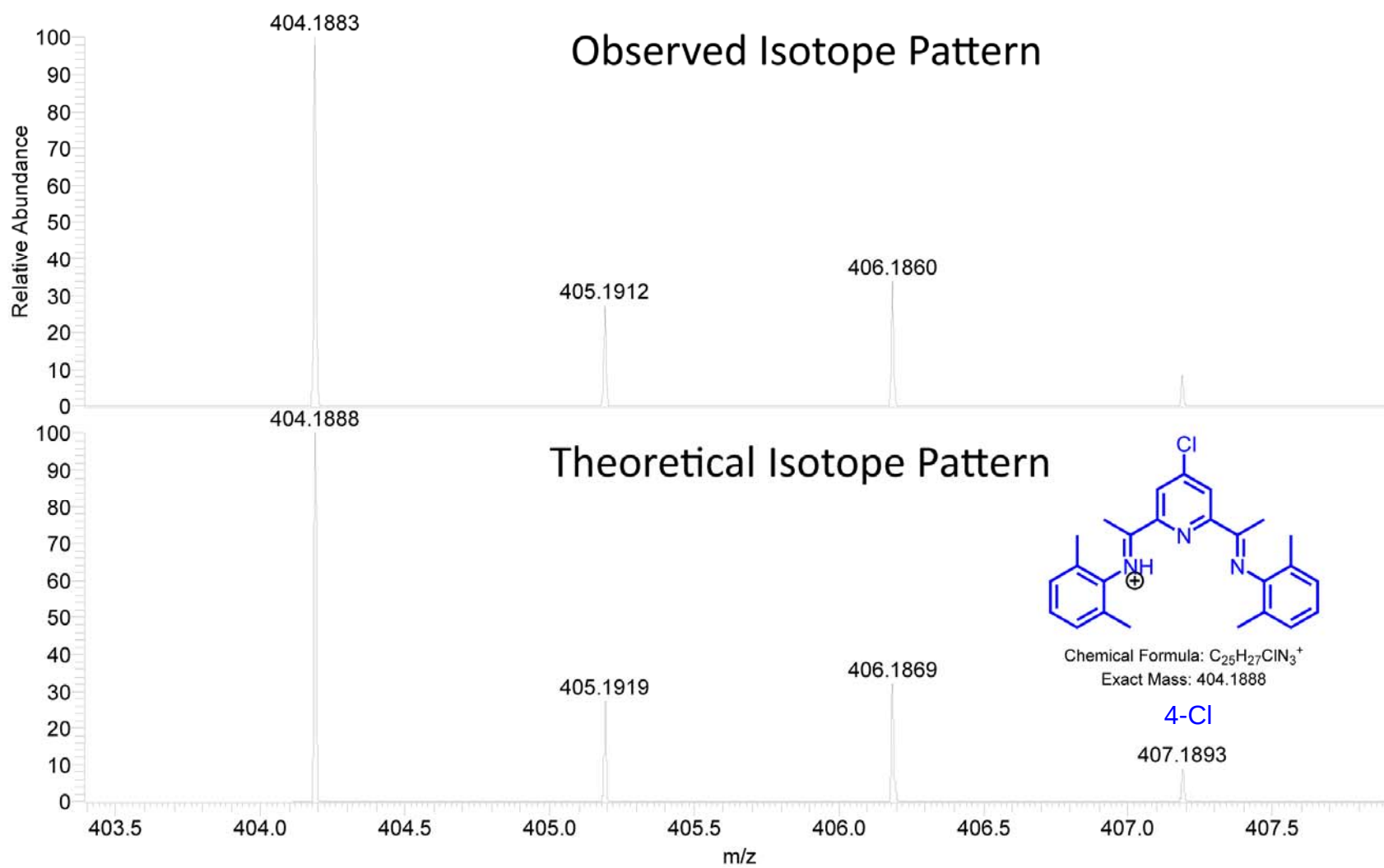
Ion	Observed m/z	Theoretical m/z	Relative Error (ppm)
[M+H] ⁺	241.9807	241.9811	-1.65



Chemical Formula: $C_{10}H_{12}NO_3^+$
Exact Mass: 194.0812

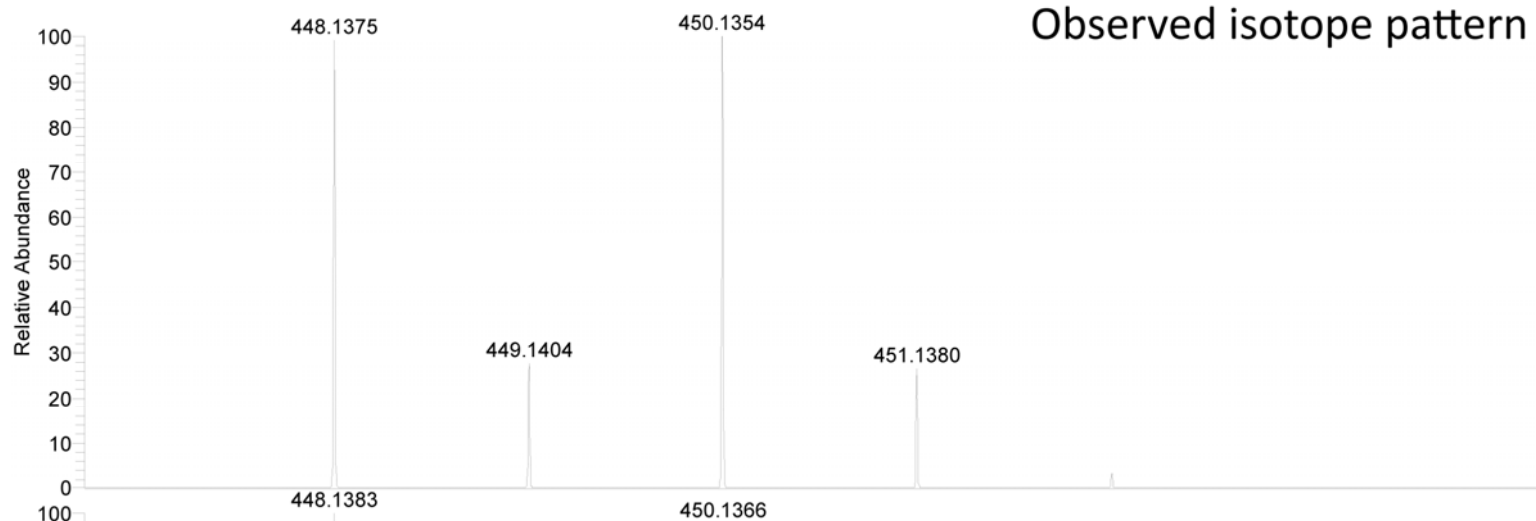
2-OMe

Ion	Observed m/z	Theoretical m/z	Relative Error (ppm)
[M+H] ⁺	194.0806	194.0812	-3.09

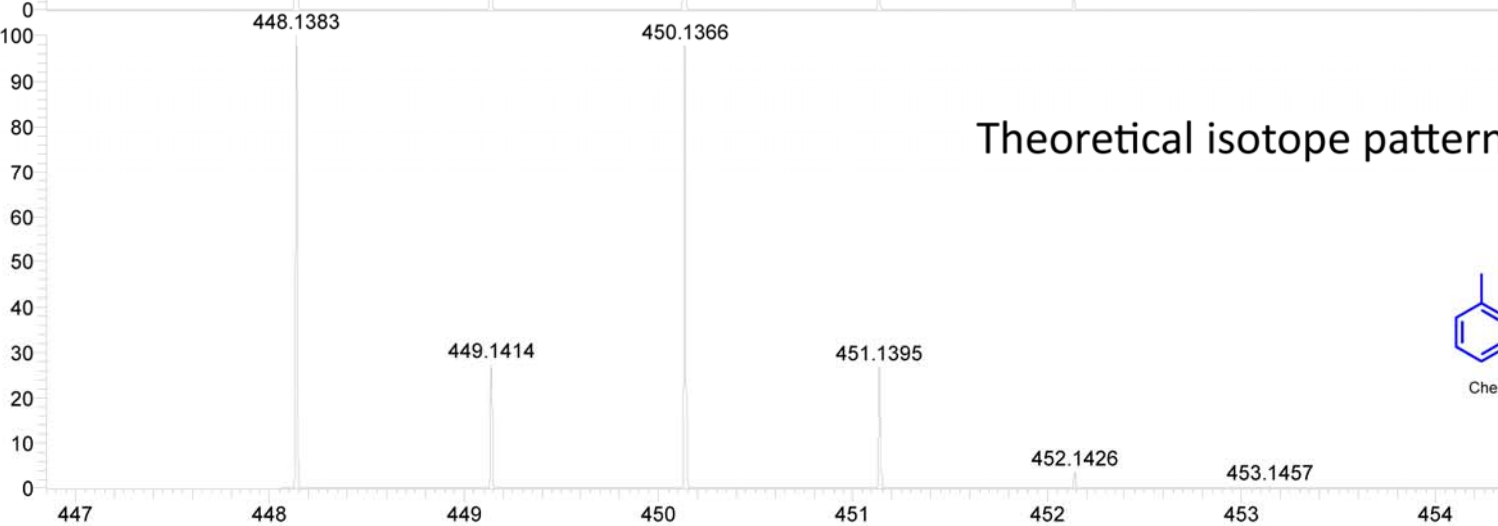


Ion Observed	m/z Experimental	m/z Theoretical	Relative Error (ppm)
[M+H] ⁺	404.1883	404.1888	-1.24

[M+H]⁺ ion observed



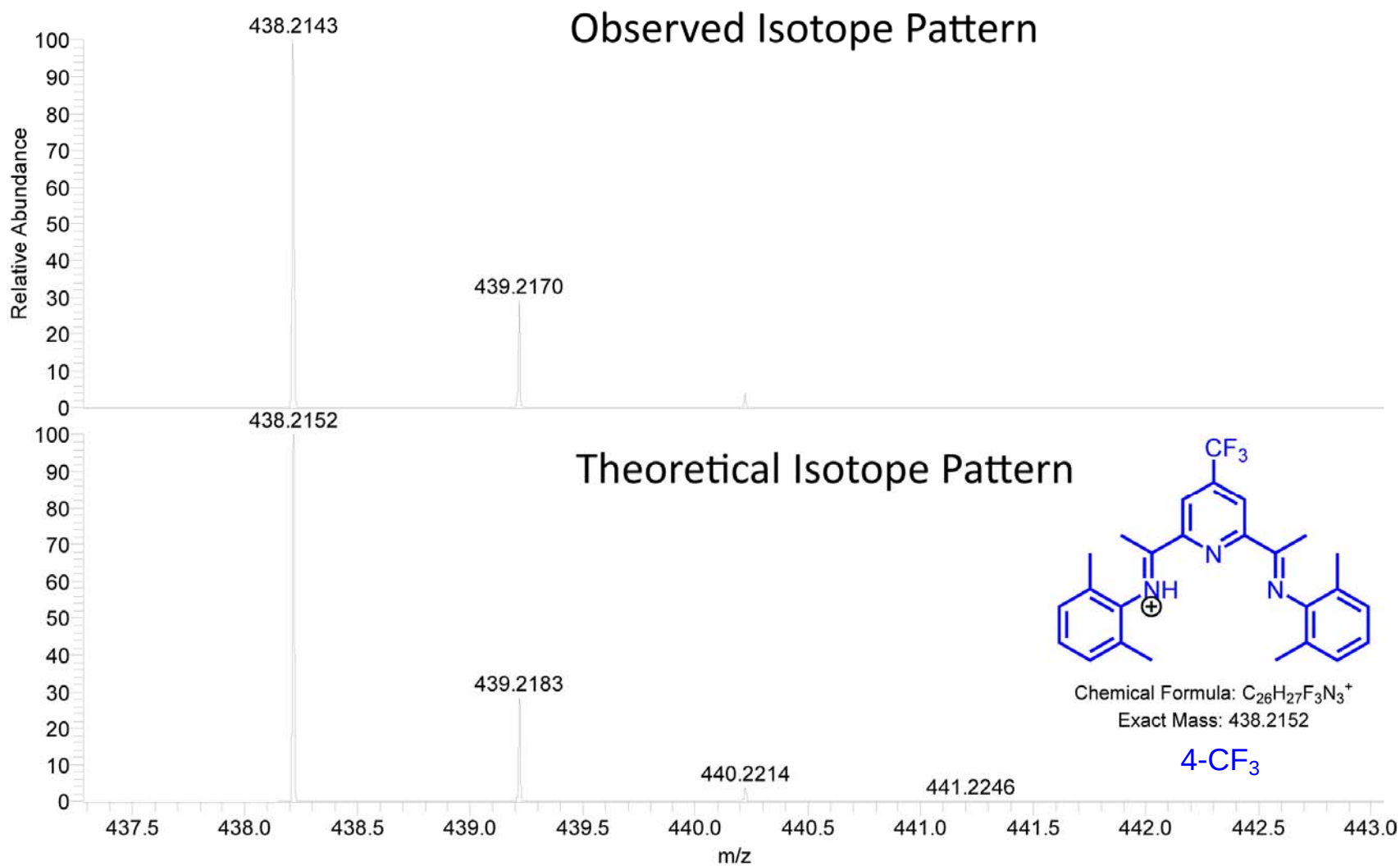
Theoretical isotope pattern



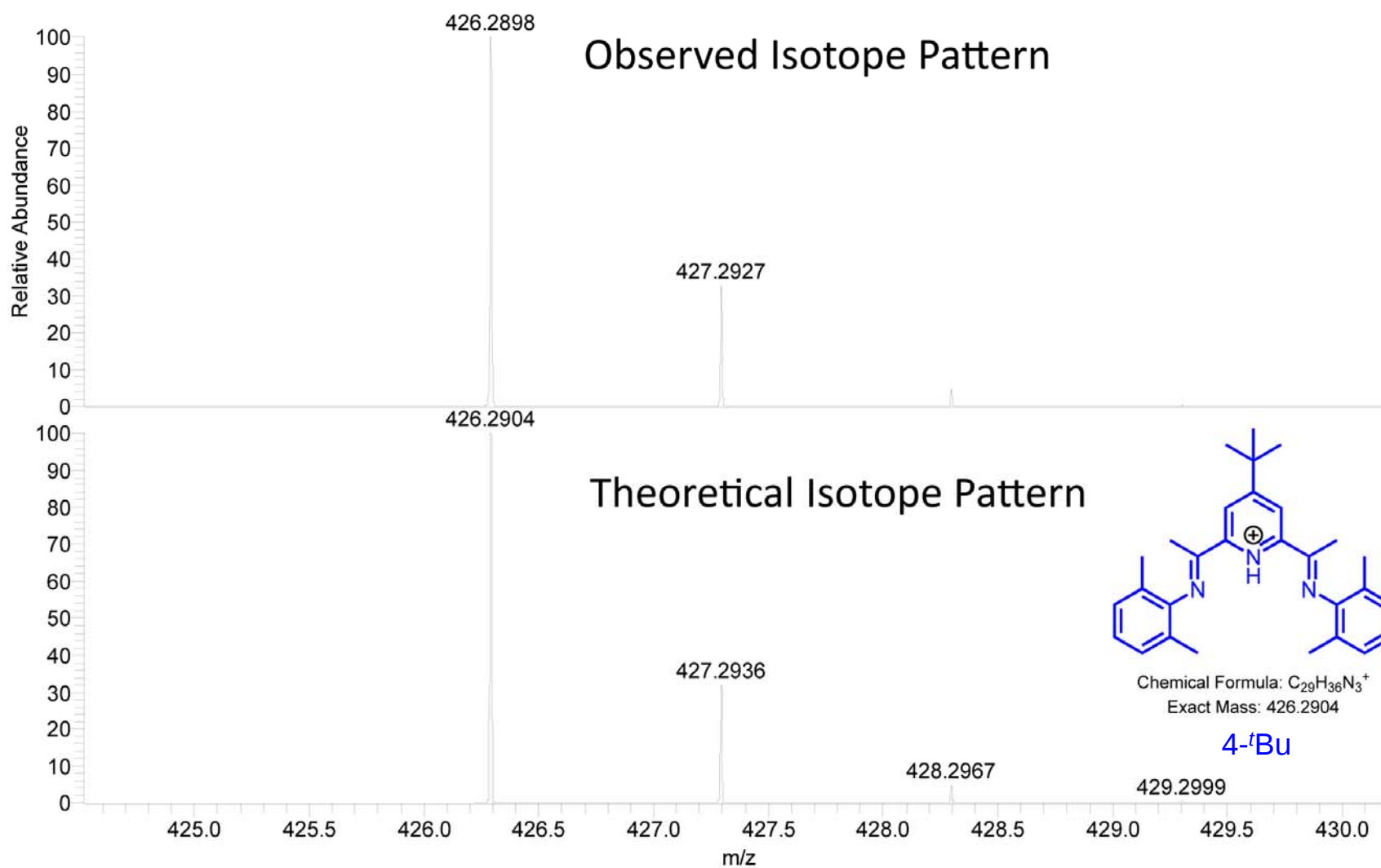
Chemical Formula: C₂₅H₂₇BrN₃⁺
Exact Mass: 448.1383

4-Br

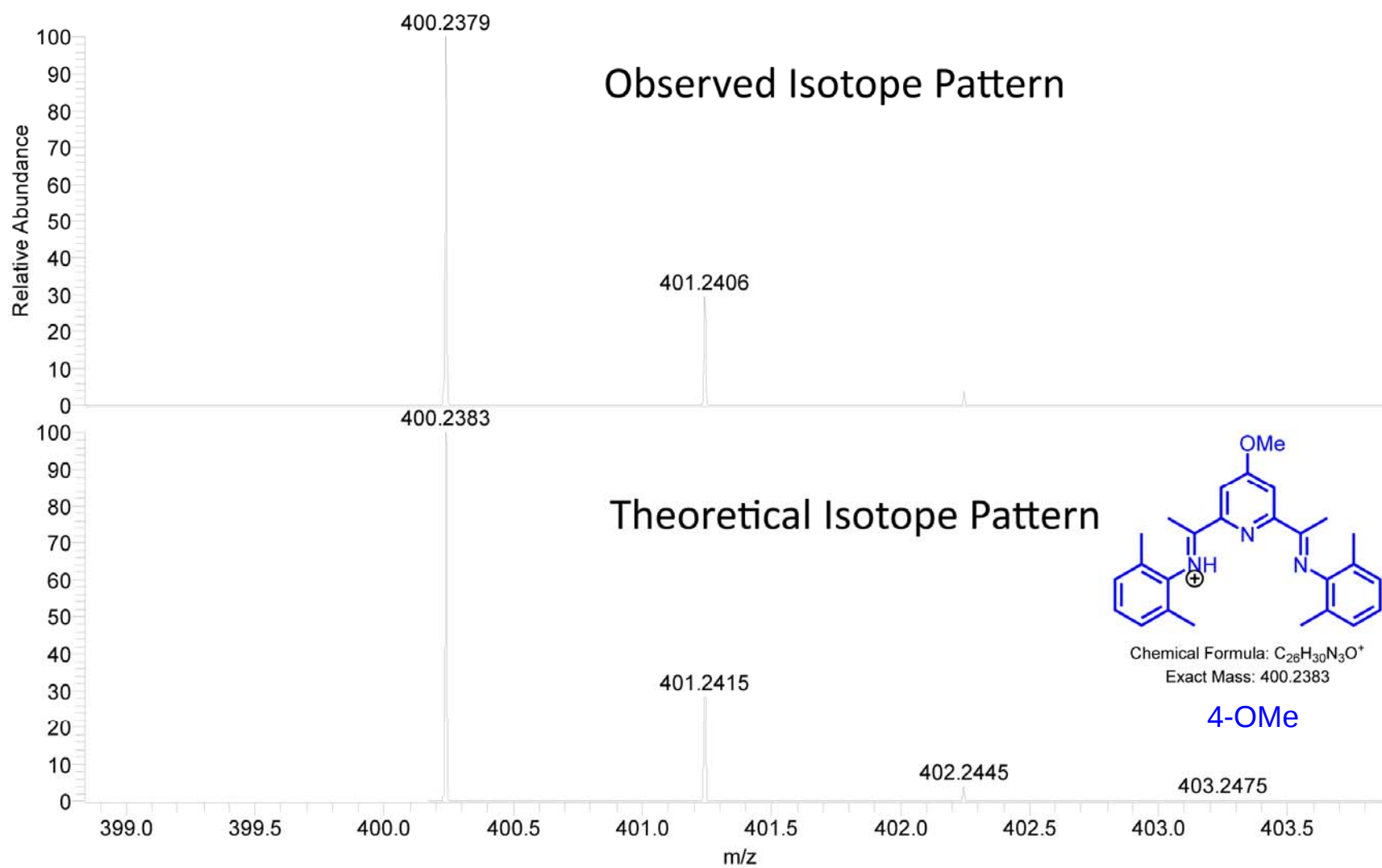
Ion Observed	m/z		
	m/z Experimental	m/z Theoretical	Relative Error (ppm)
[M+H] ⁺	448.1375	448.1383	-1.79



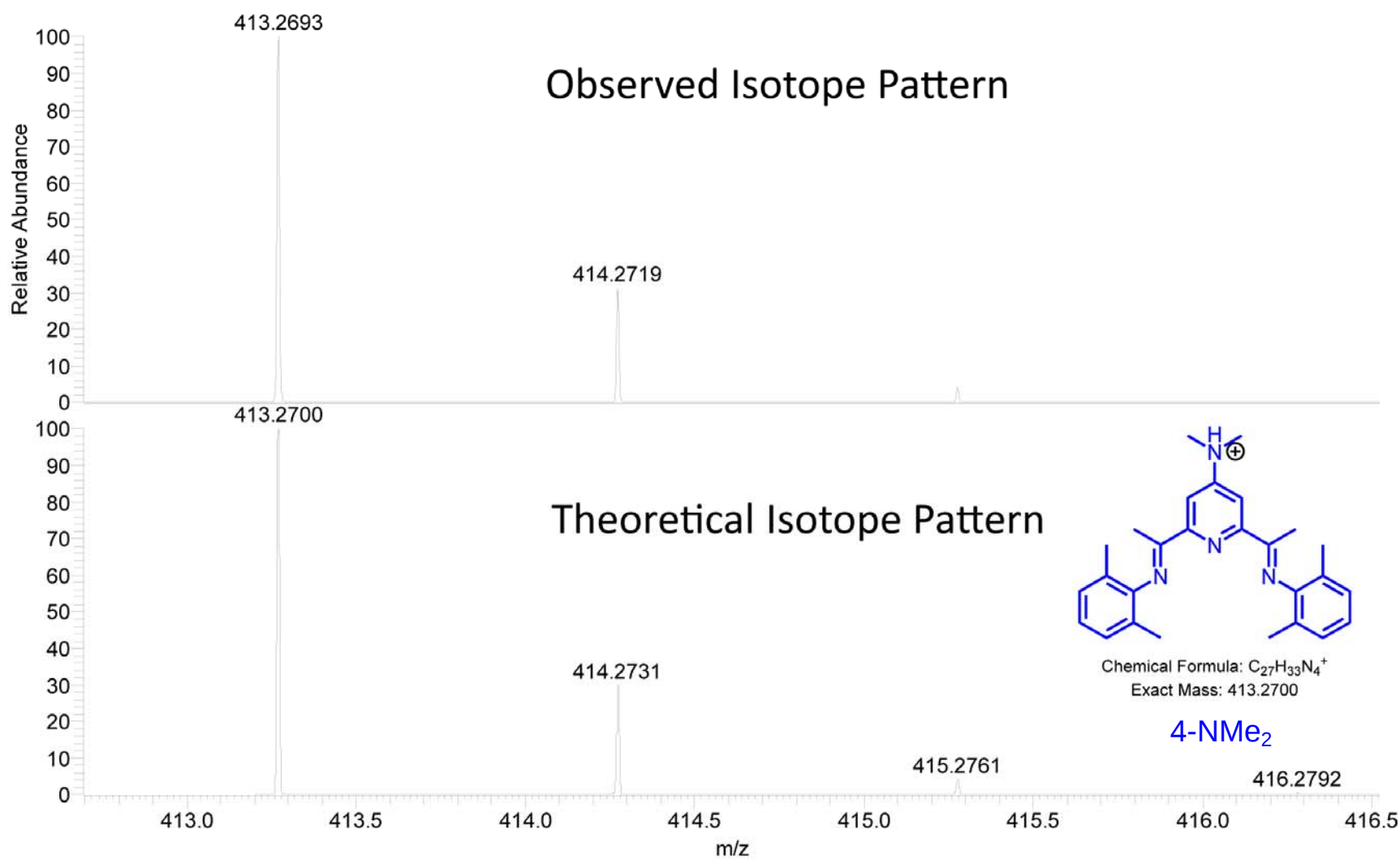
Ion Observed	m/z Experimental	m/z Theoretical	Relative Error (ppm)
[M+H] ⁺	438.2143	438.2152	-2.05



Ion Observed	m/z Experimental	m/z Theoretical	Relative Error (ppm)
[M+H] ⁺	426.2898	426.2904	-1.41



Ion Observed	m/z Experimental	m/z Theoretical	Relative Error (ppm)
[M+H] ⁺	400.2379	400.2383	-1.00



Ion Observed	m/z Experimental	m/z Theoretical	Relative Error (ppm)
[M+H] ⁺	413.2693	413.27	-1.69

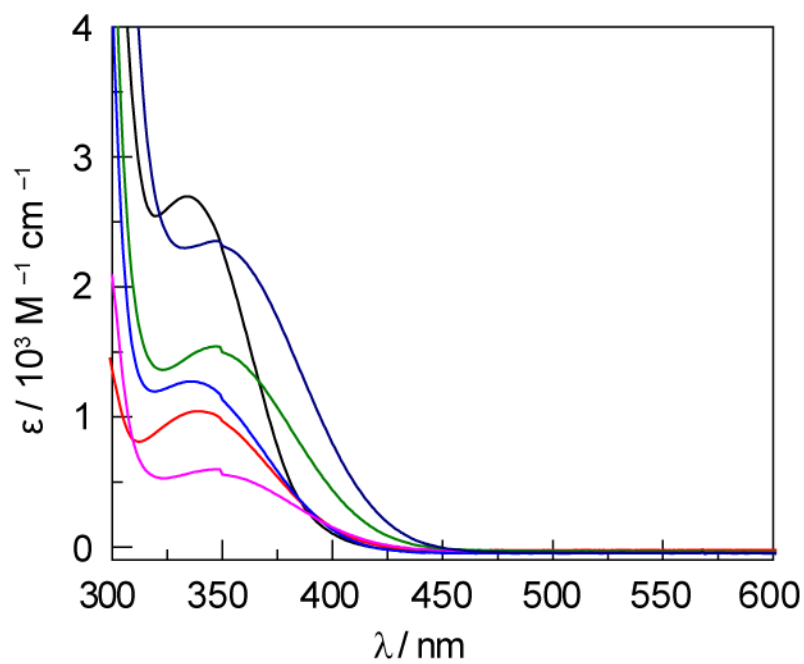


Figure S1. Absorption spectra of 4-X-pyridinediimines (4-X) in CH_2Cl_2 , X = NMe₂ (—, black), OMe (—, red), ^tBu (—, blue), Br (—, magenta), Cl (—, green), and CF₃ (—, dark blue).