

Access to enantiopure 3-methyl-3,4-dihydroisocoumarins and 3-methyl-1,2,3,4-tetrahydroisoquinolines via chemoenzymatic asymmetric transformations

Juan Mangas-Sánchez, Eduardo Busto, Vicente Gotor-Fernández, * Vicente Gotor*

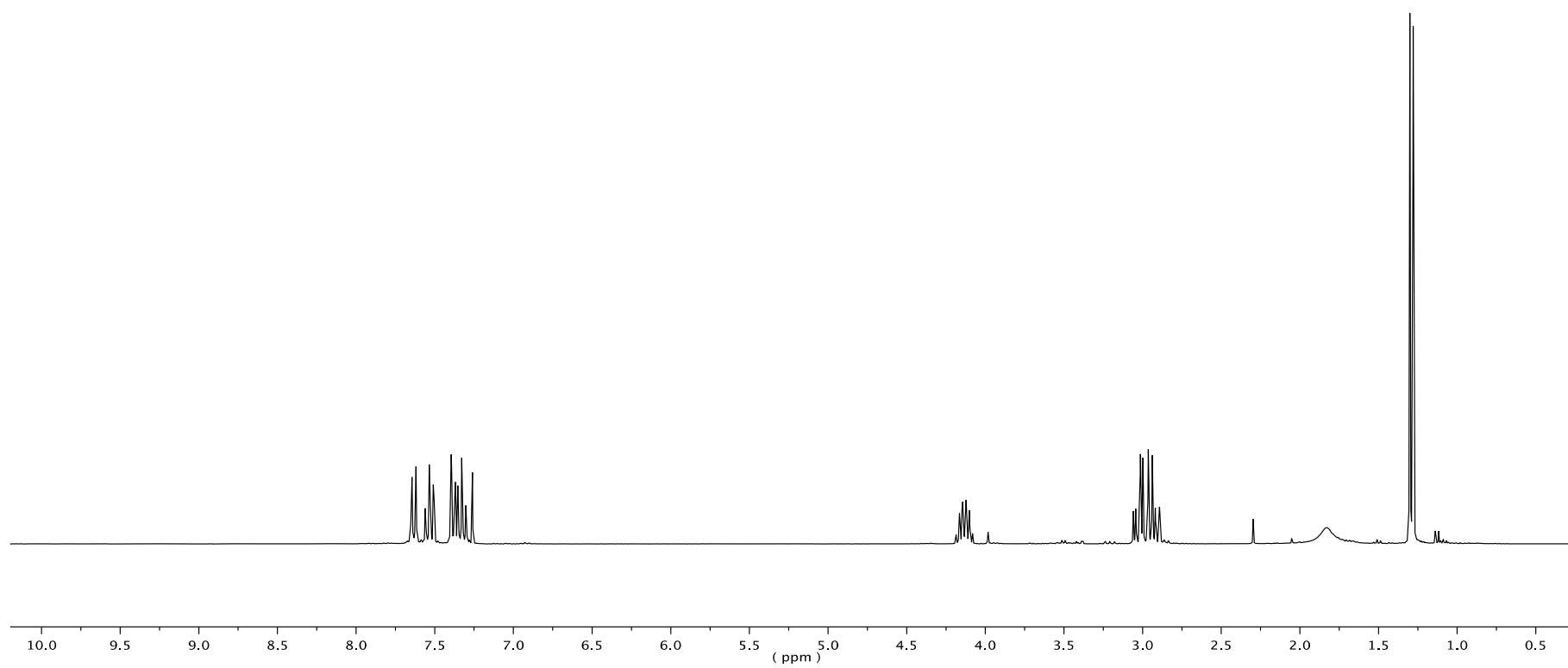
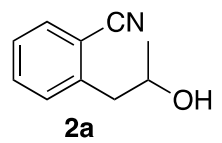
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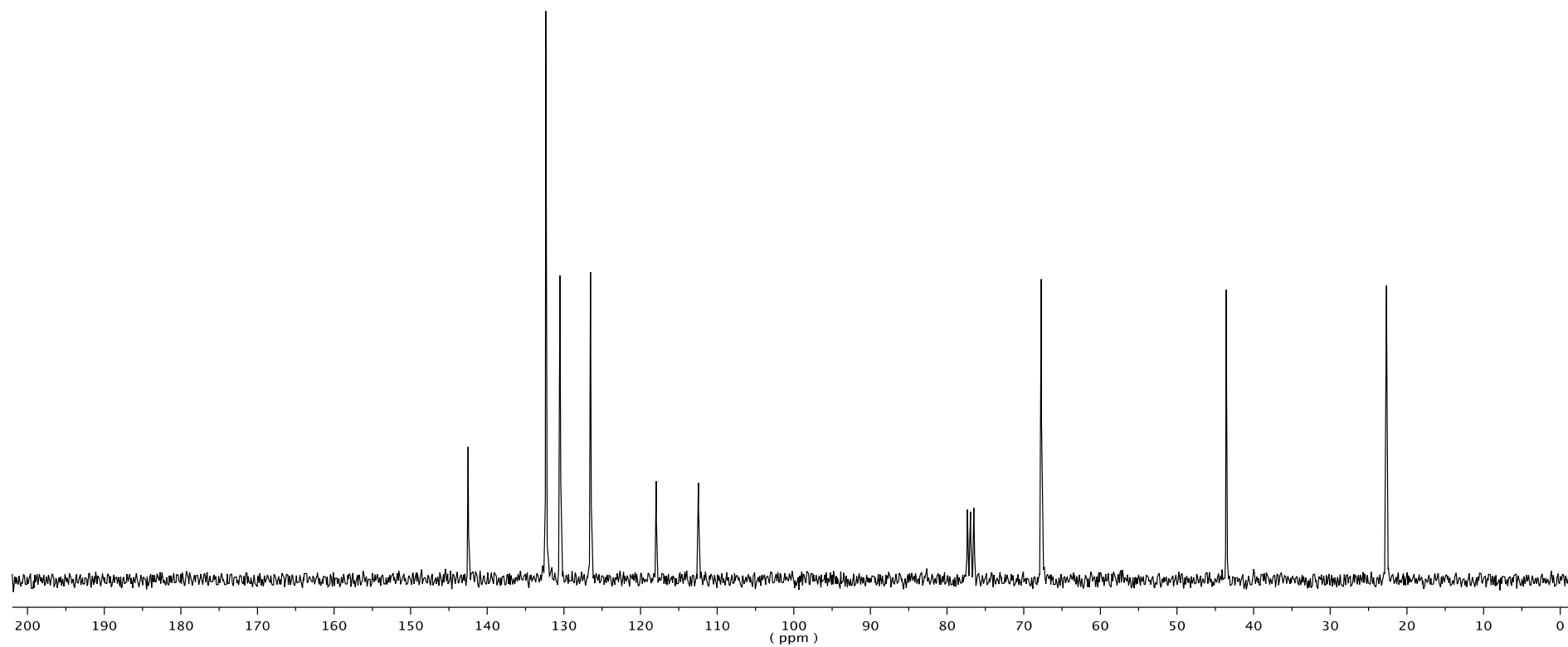
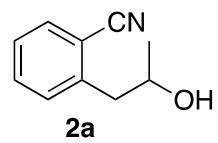
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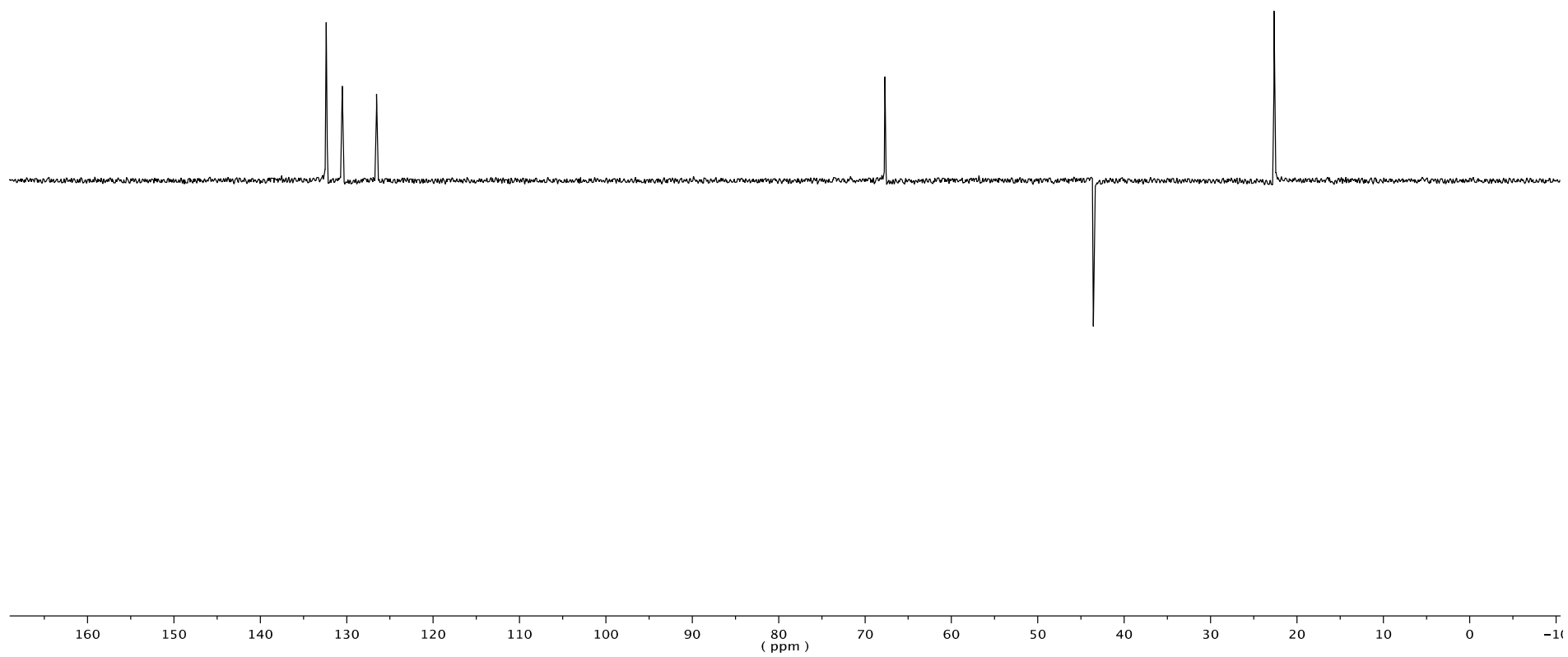
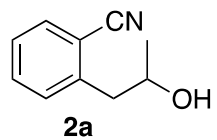
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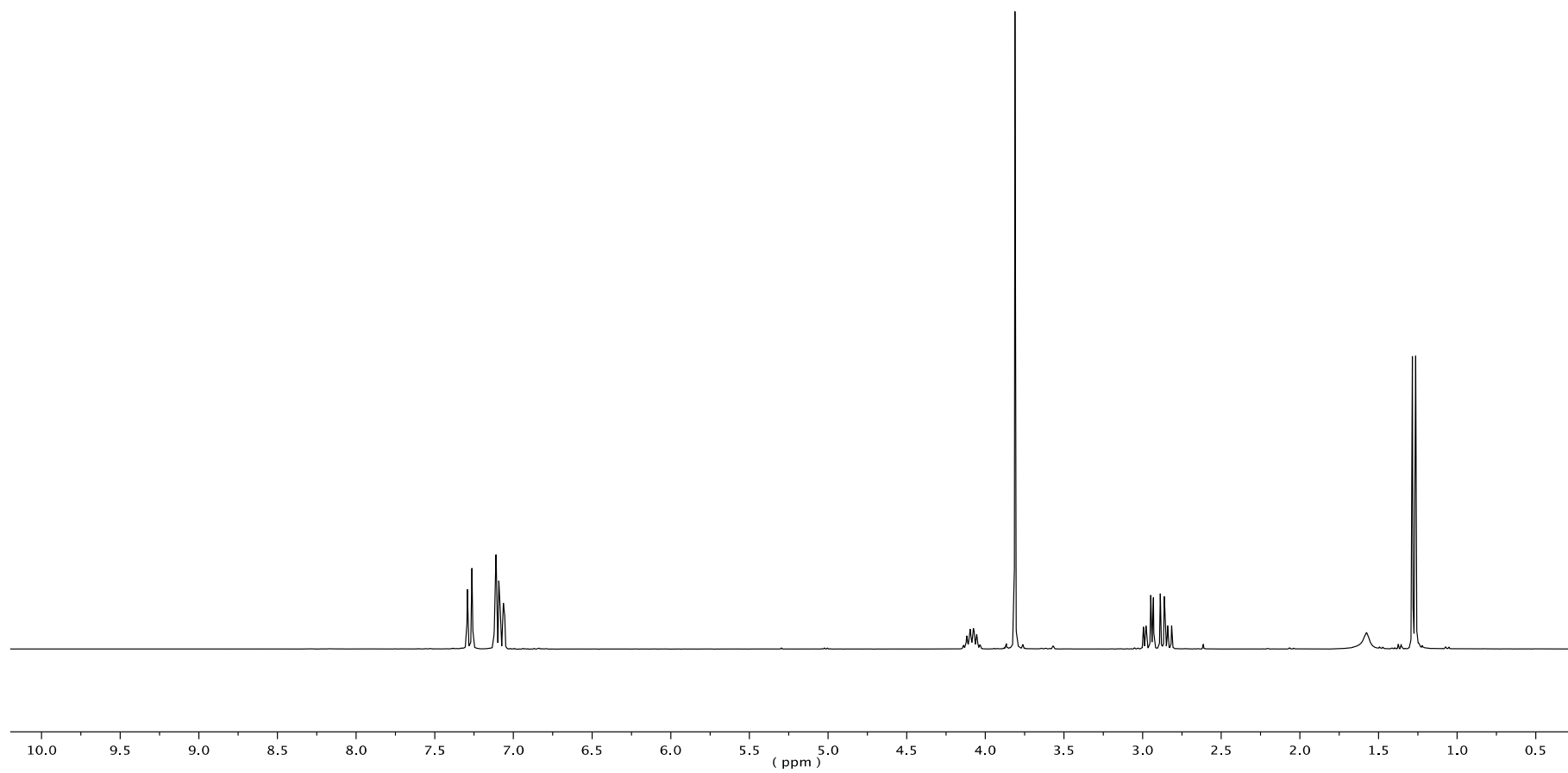
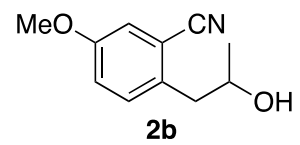


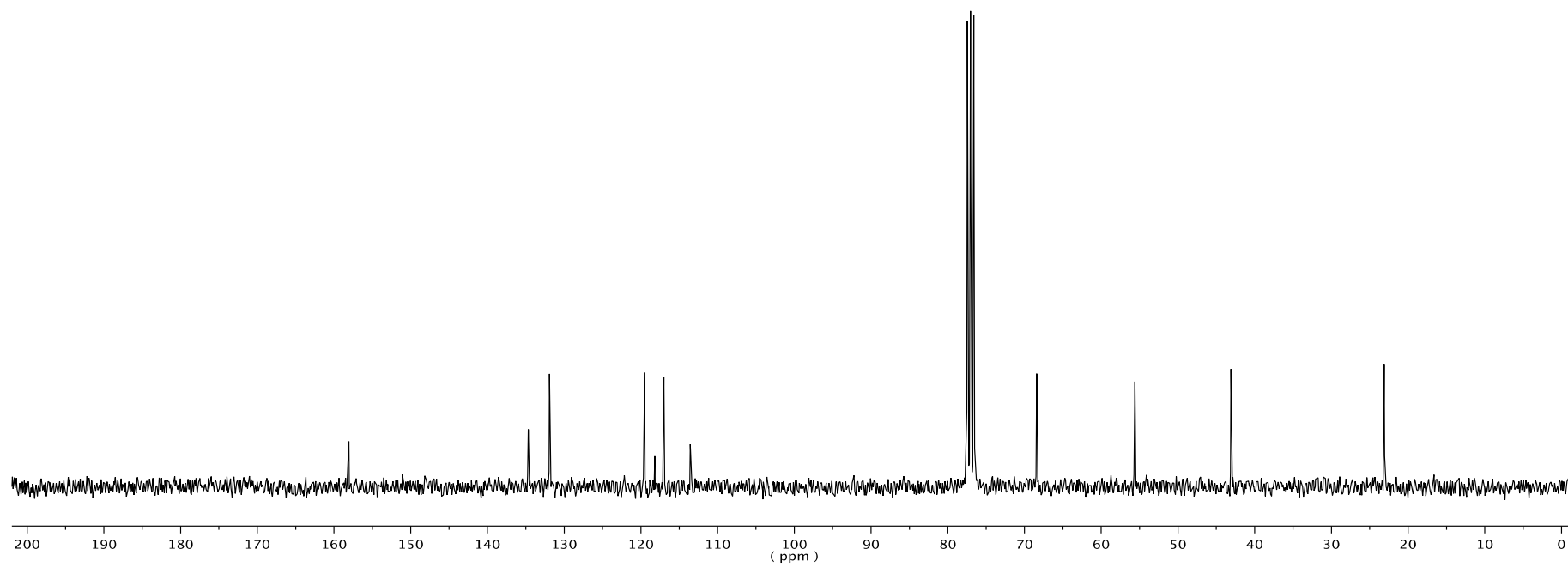
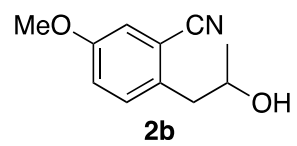


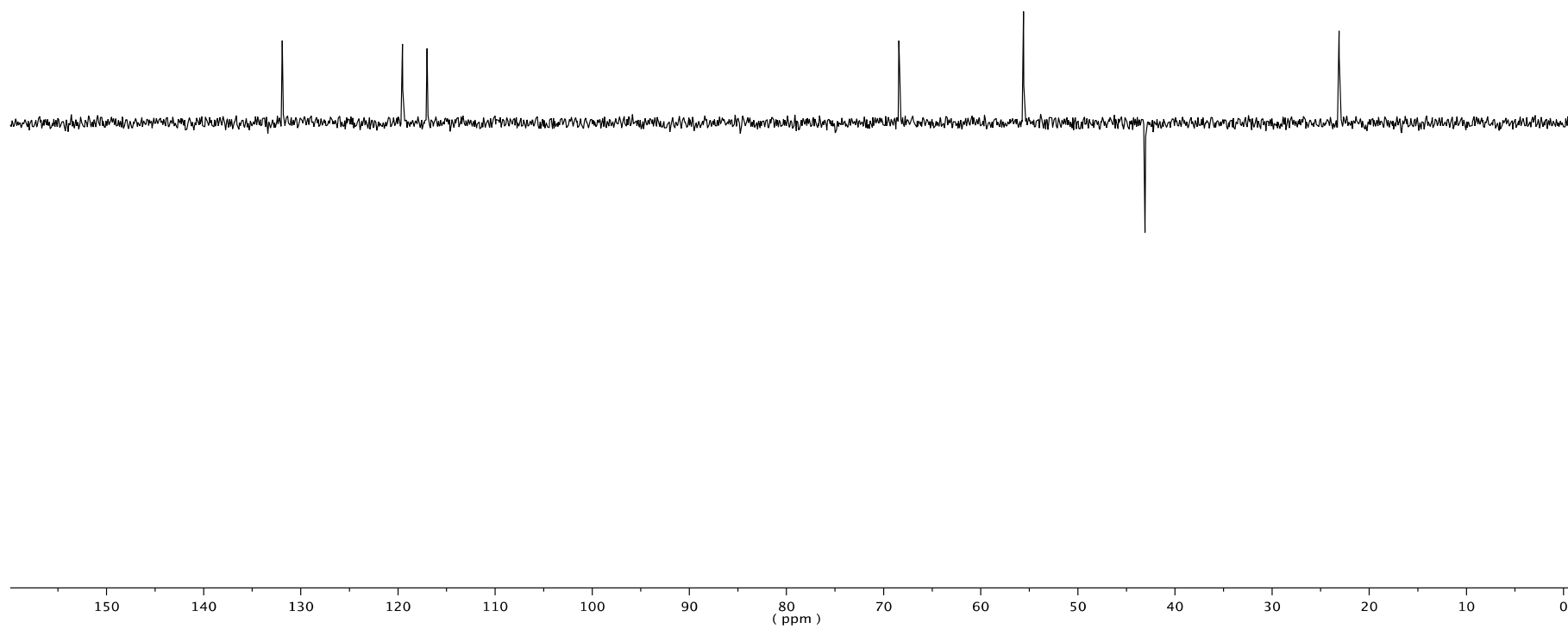
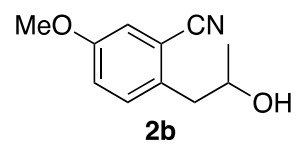
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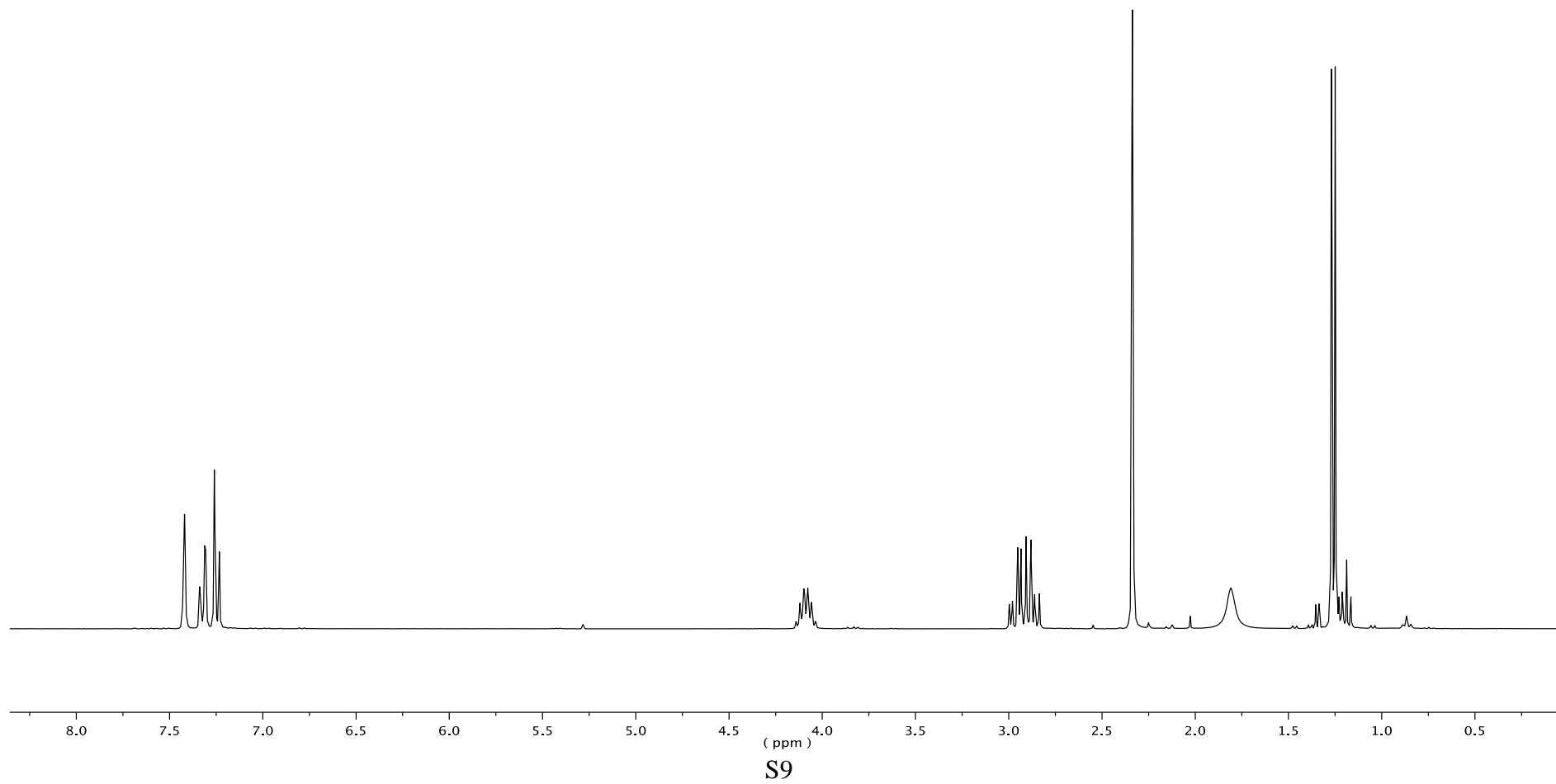
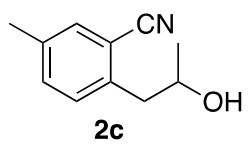


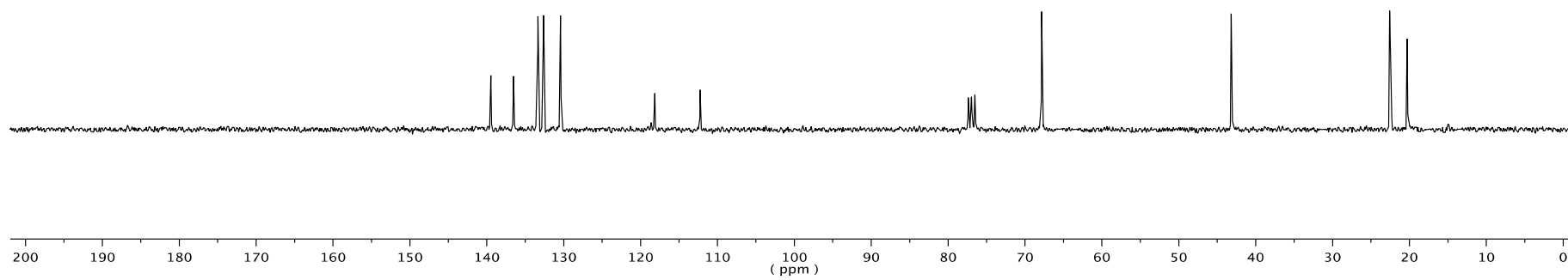
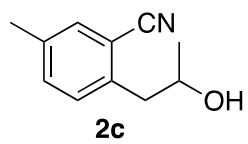
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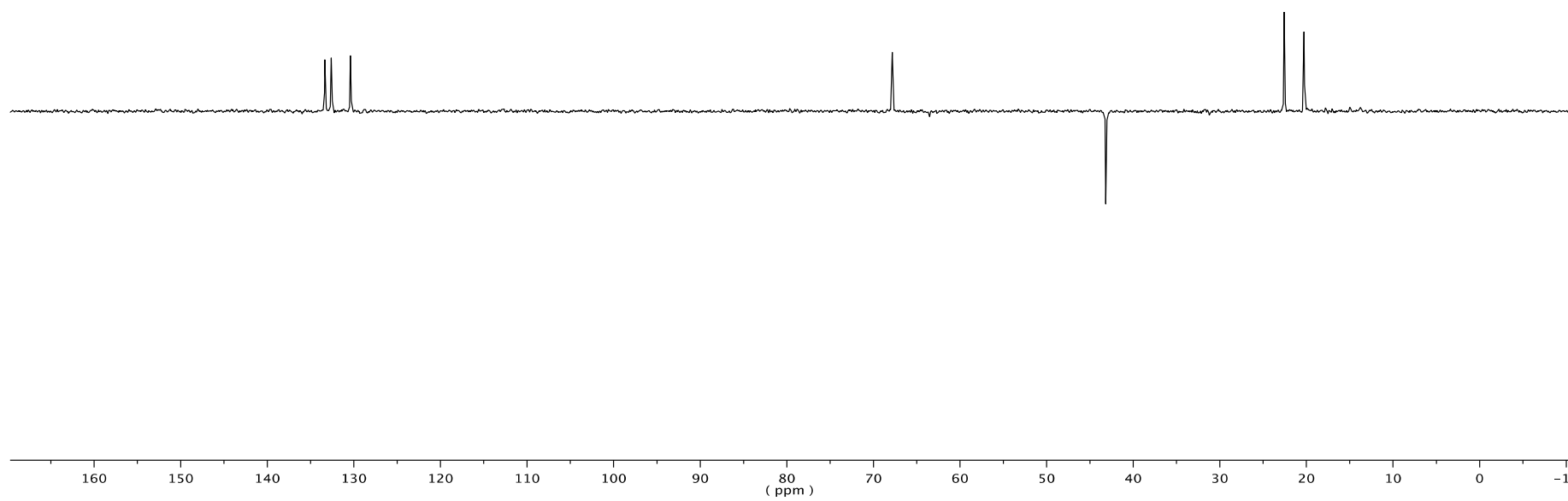
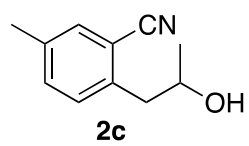




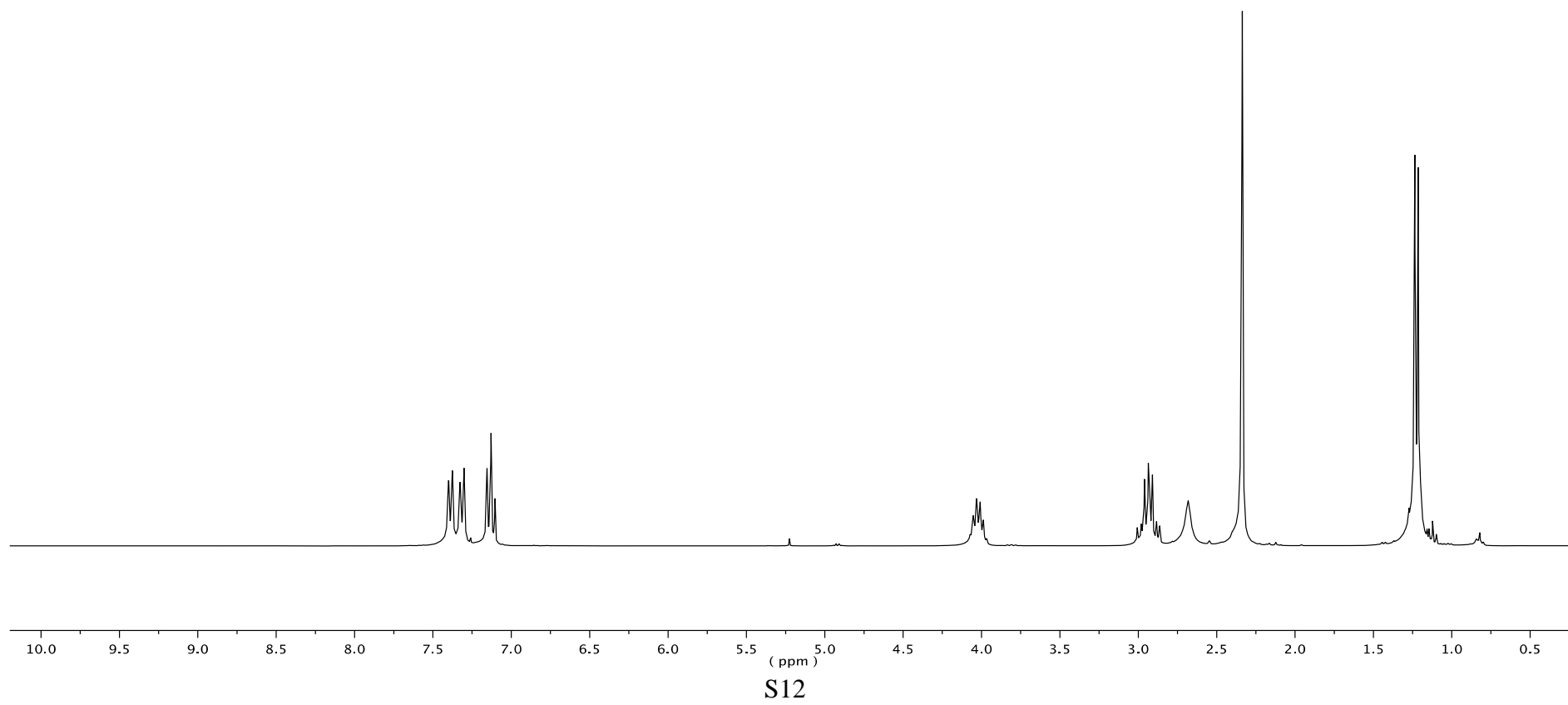
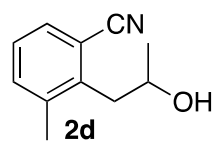


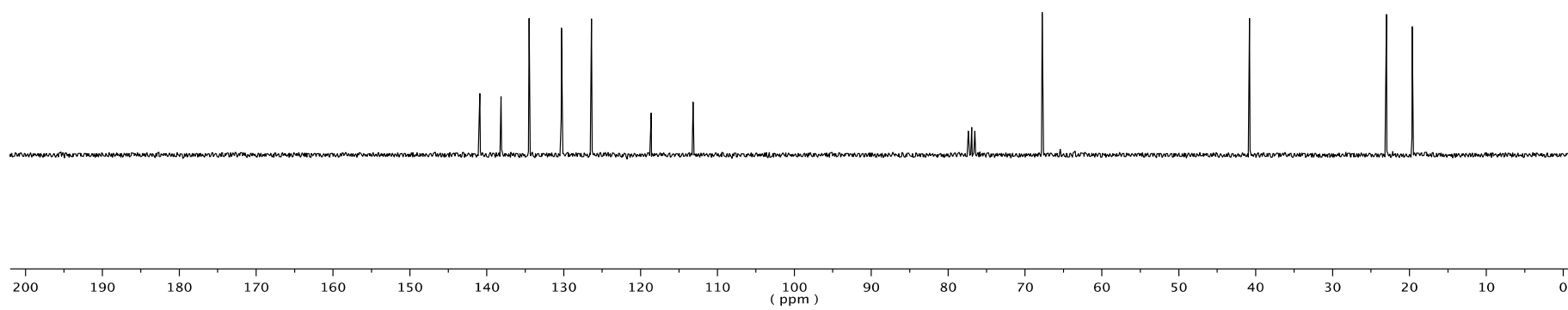
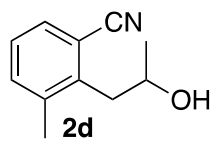


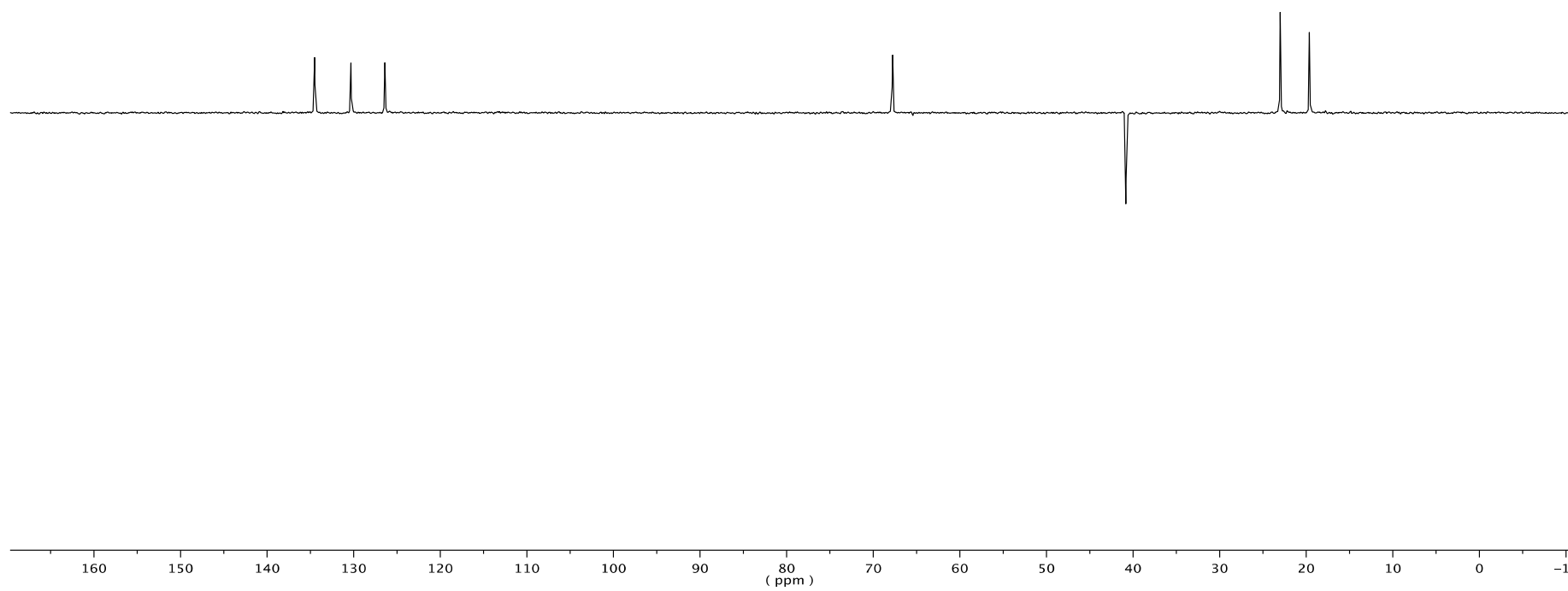
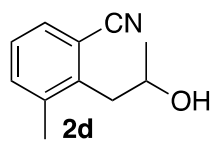


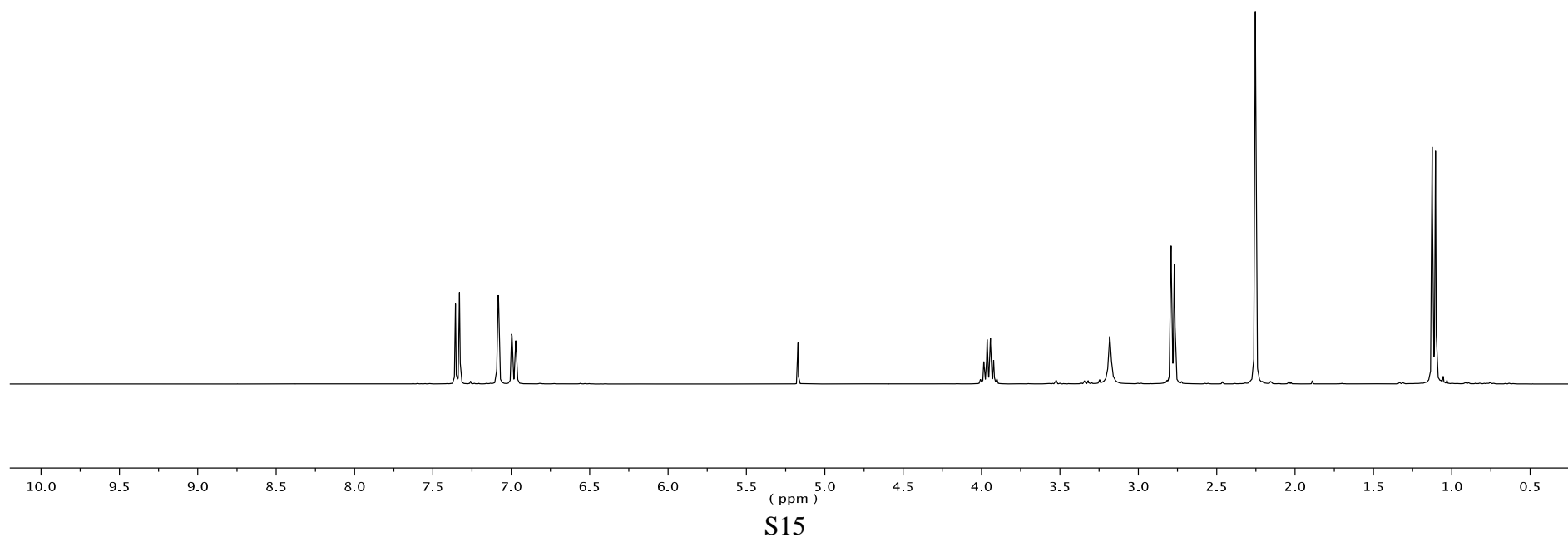
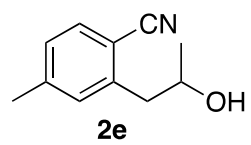


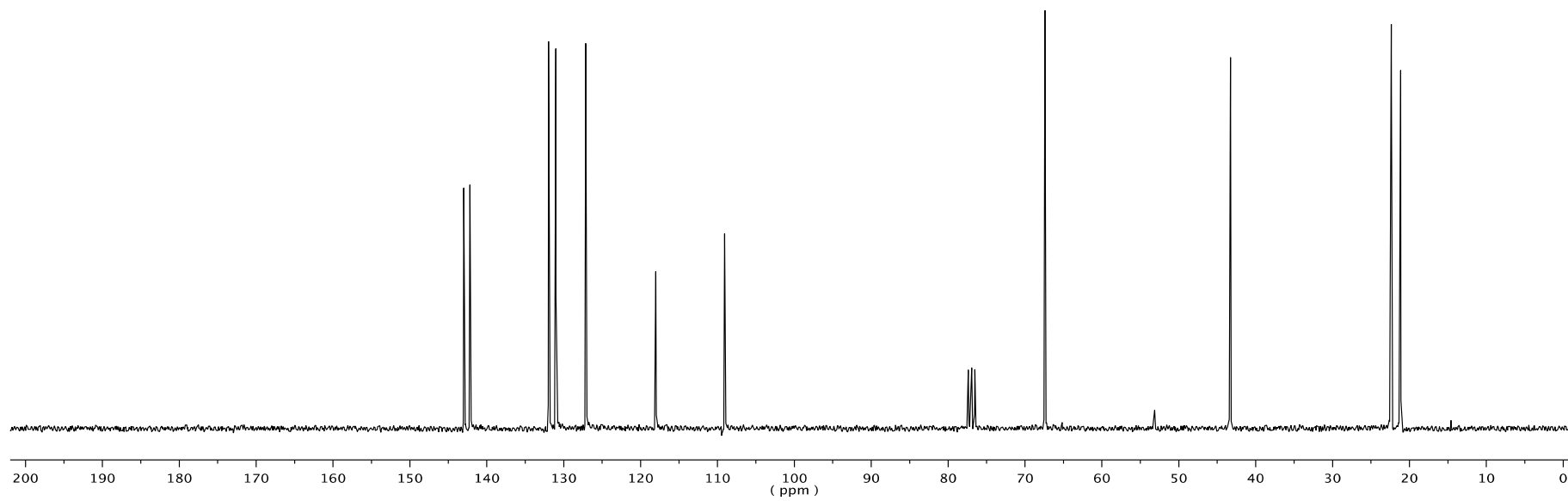
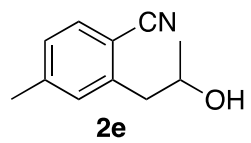
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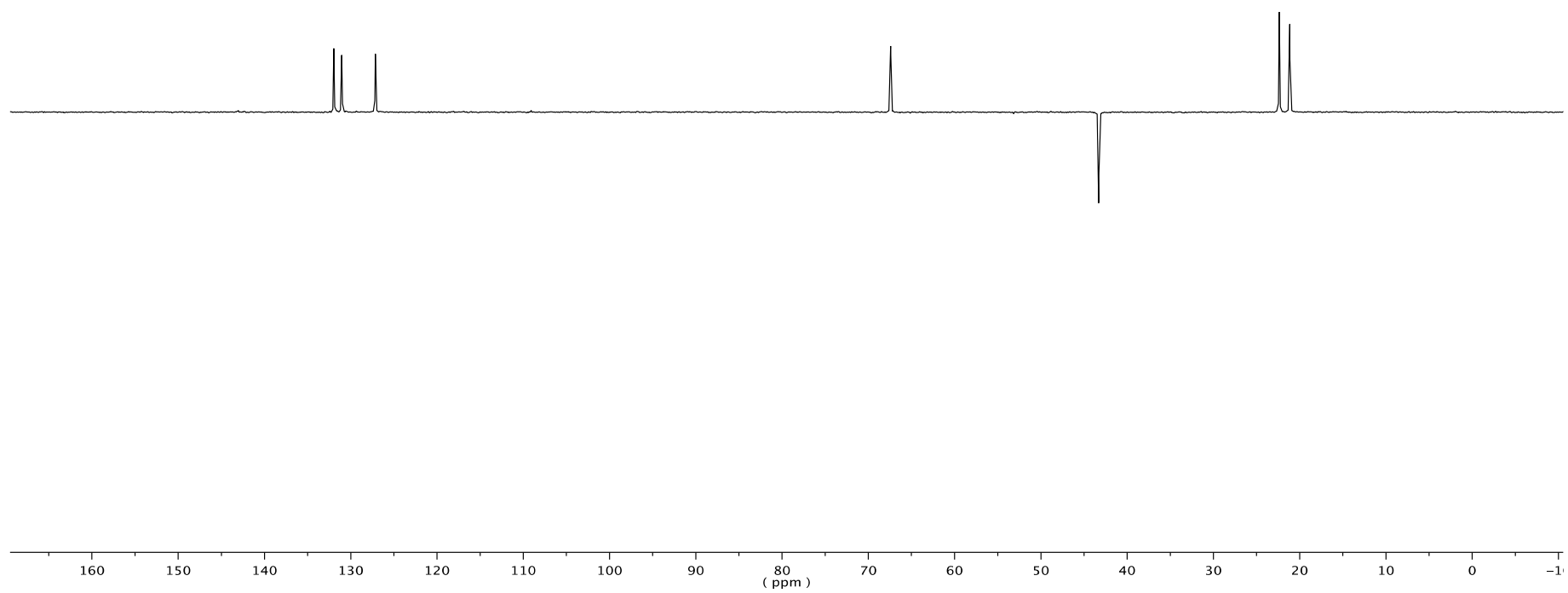
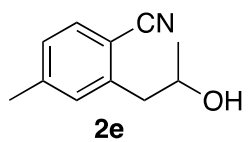


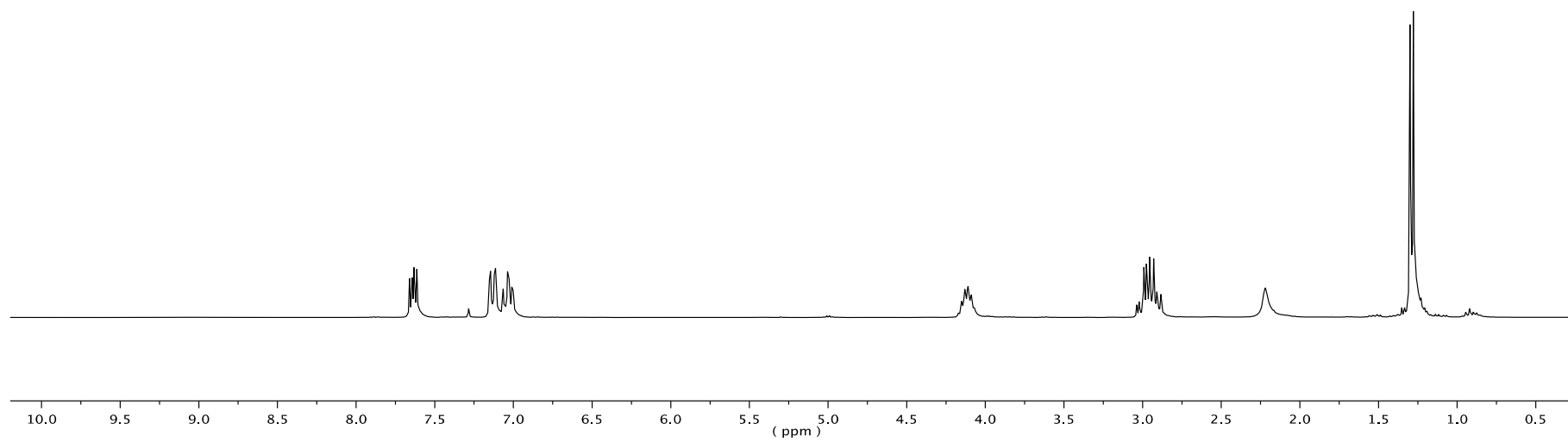
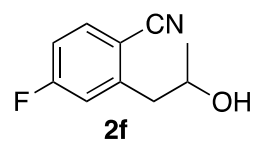


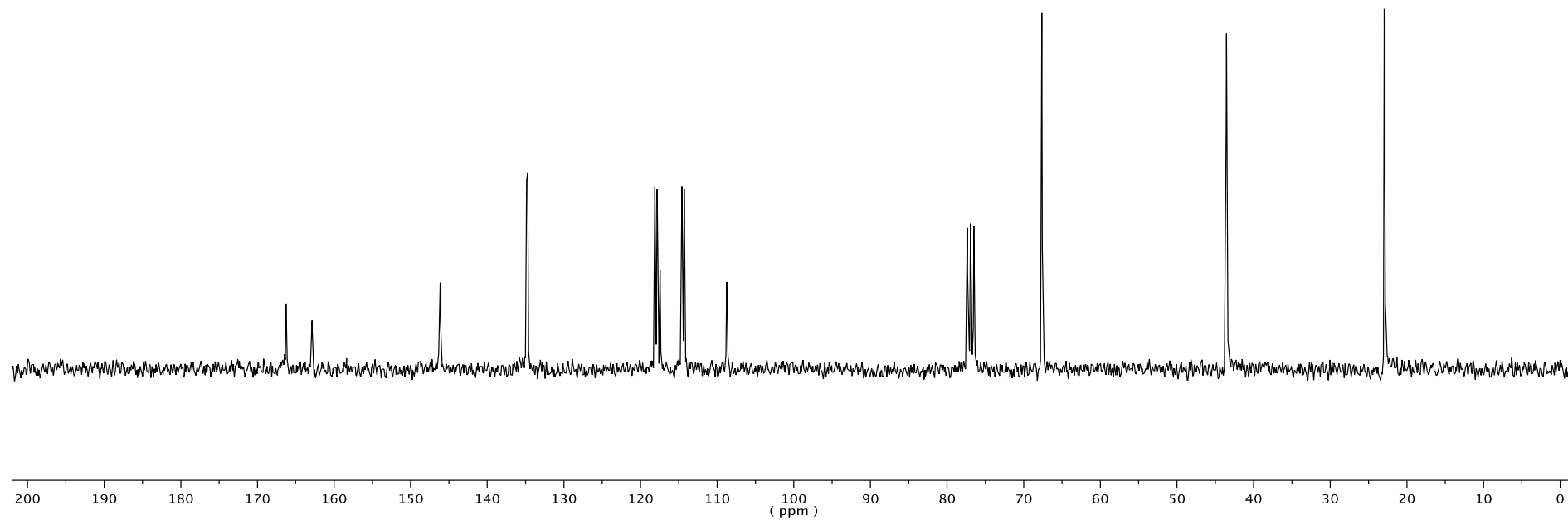
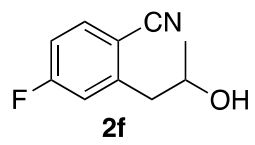


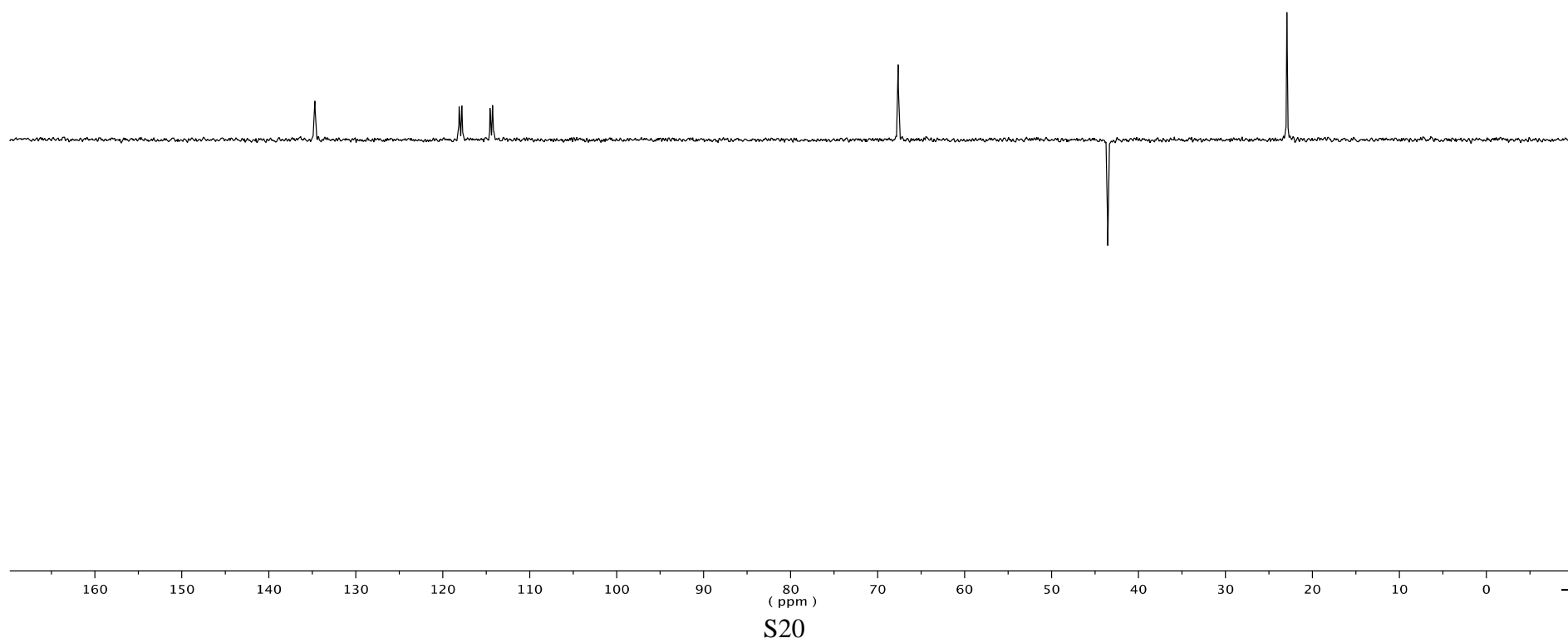
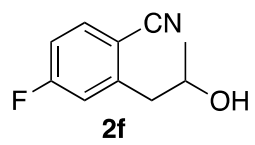


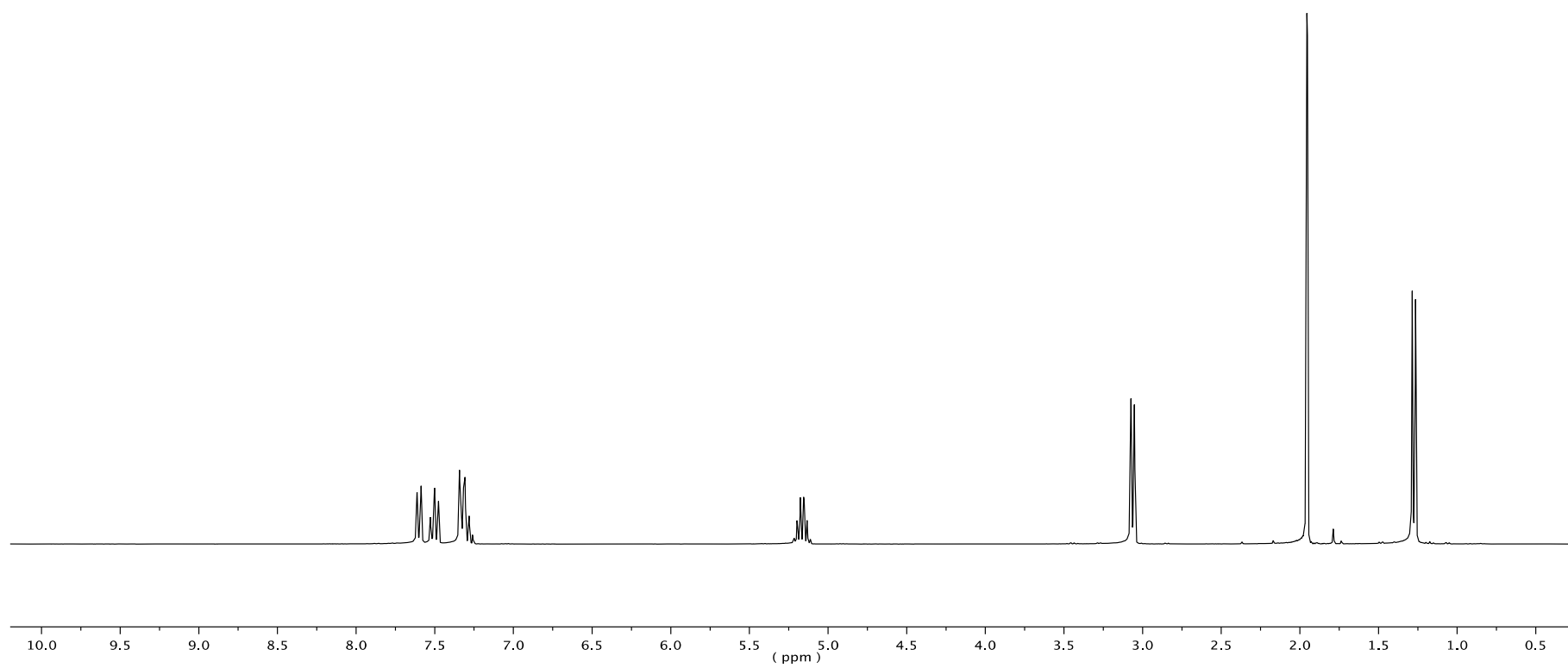
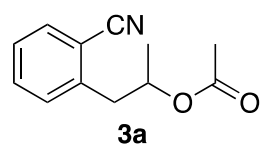




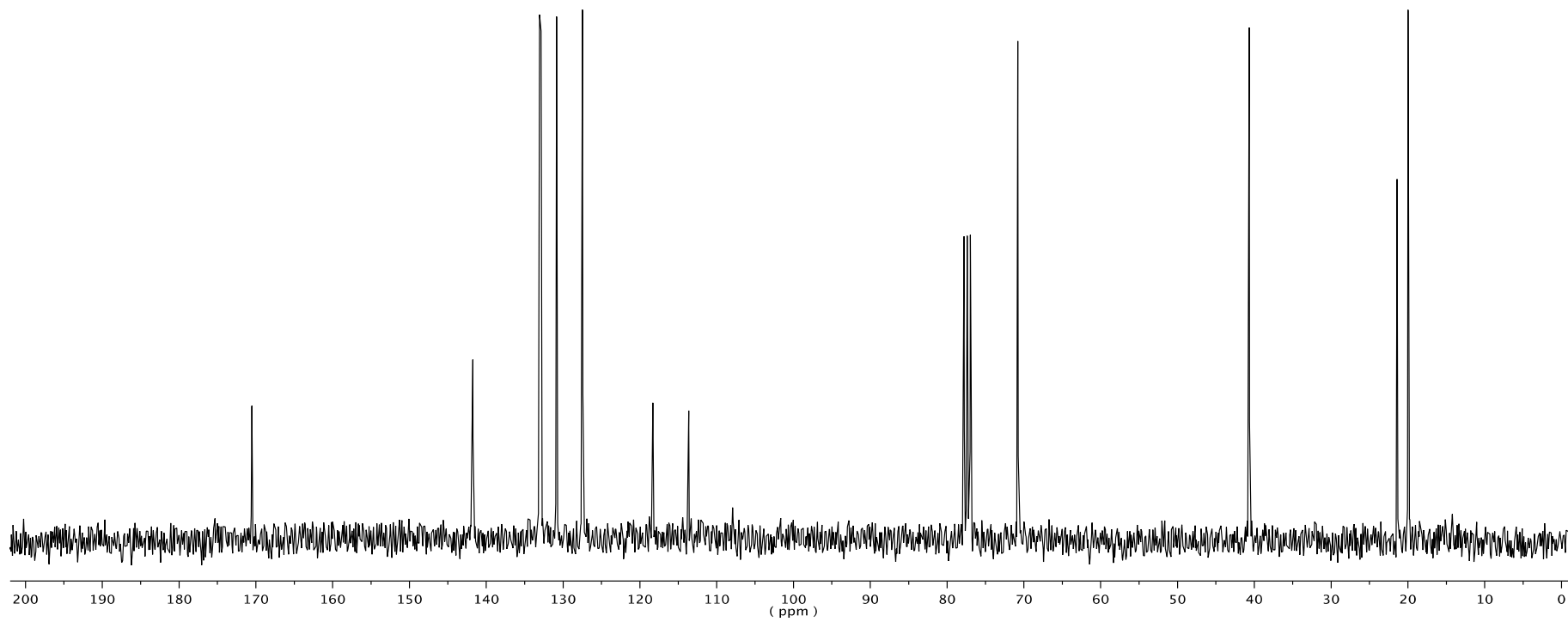
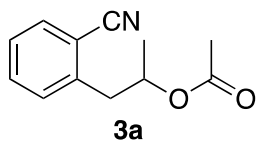


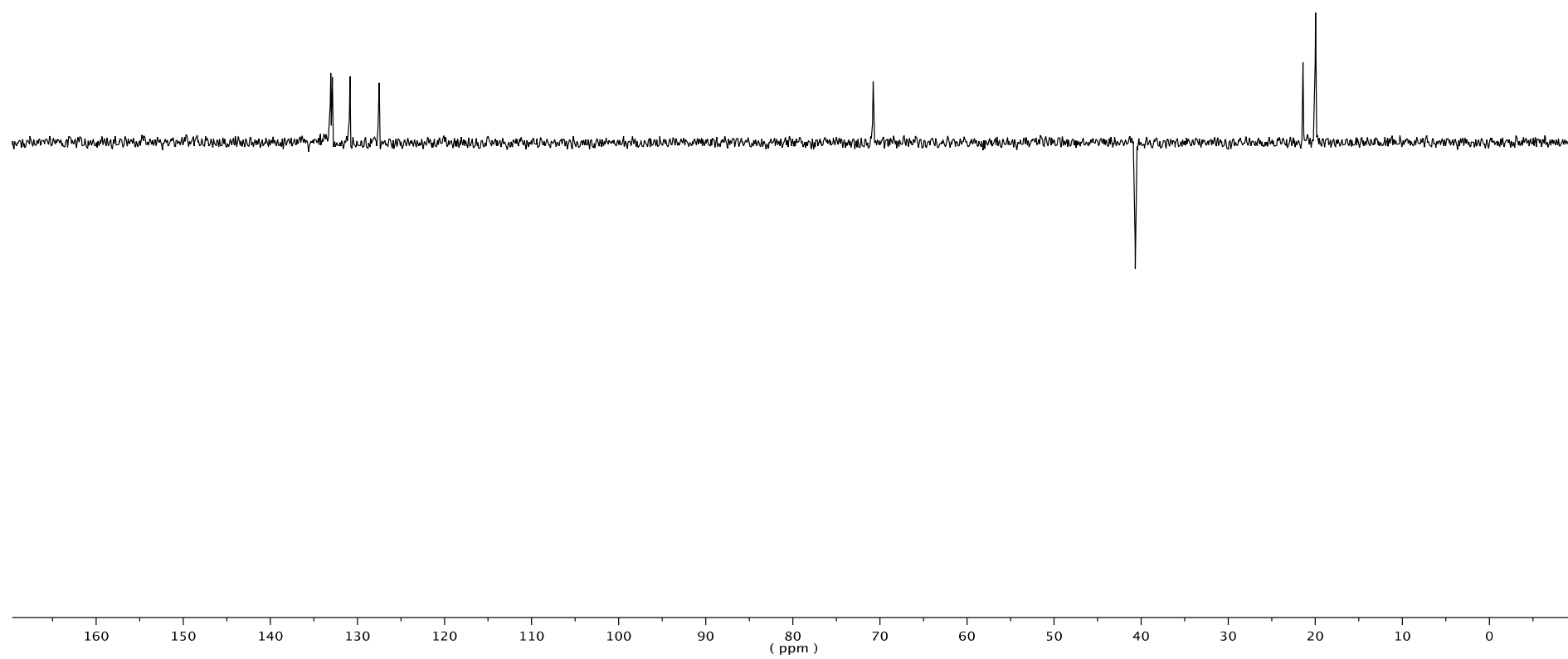
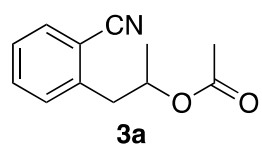




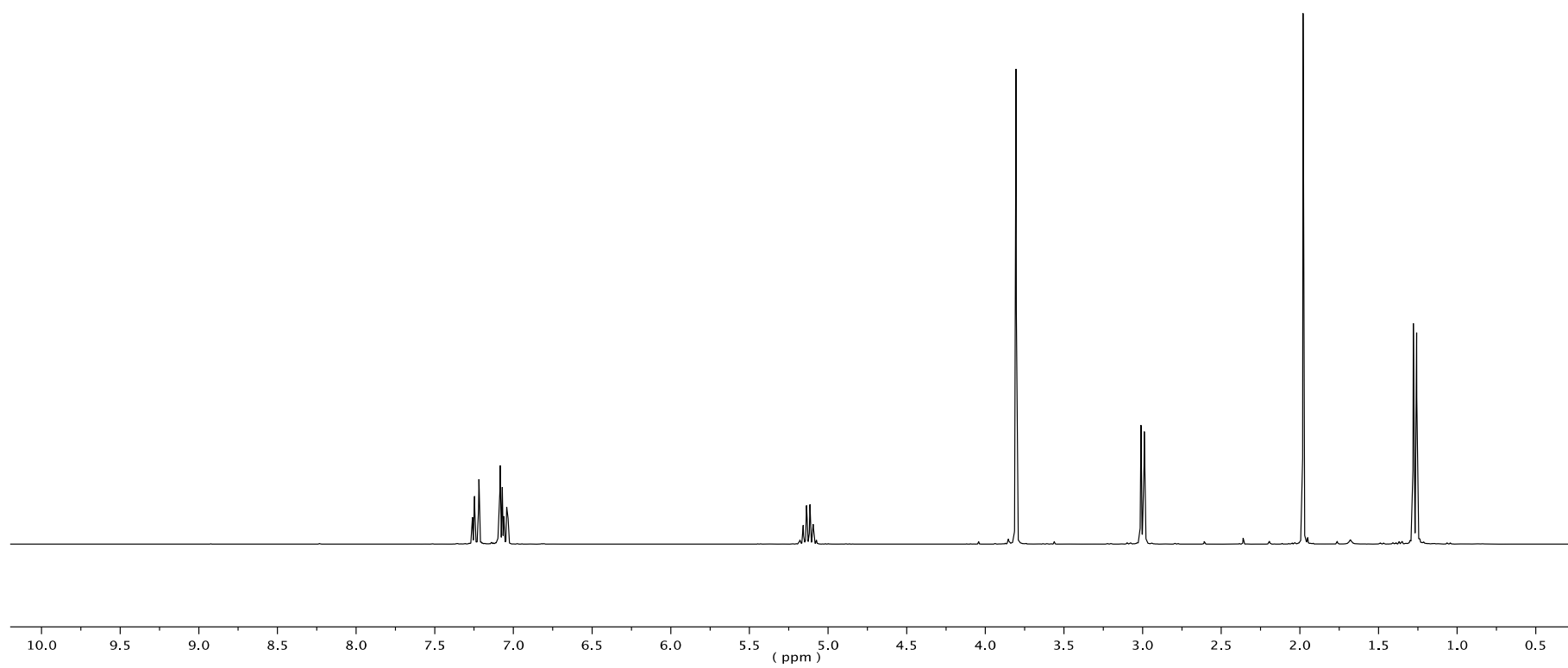
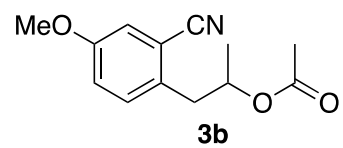


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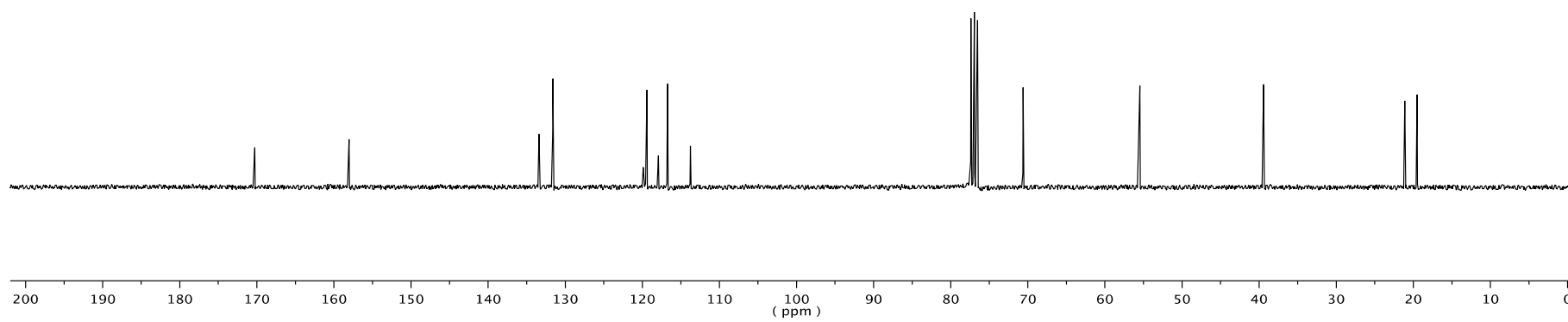
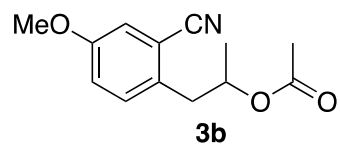


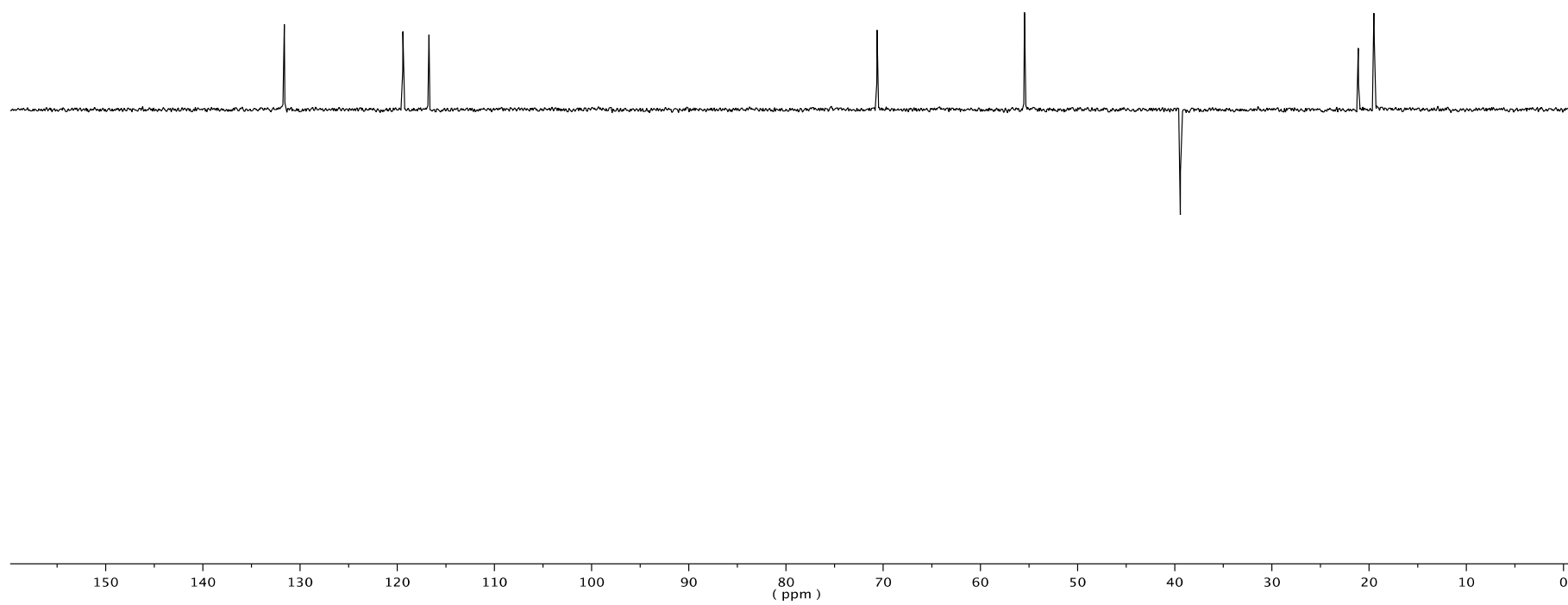
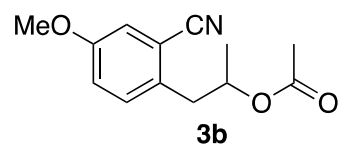


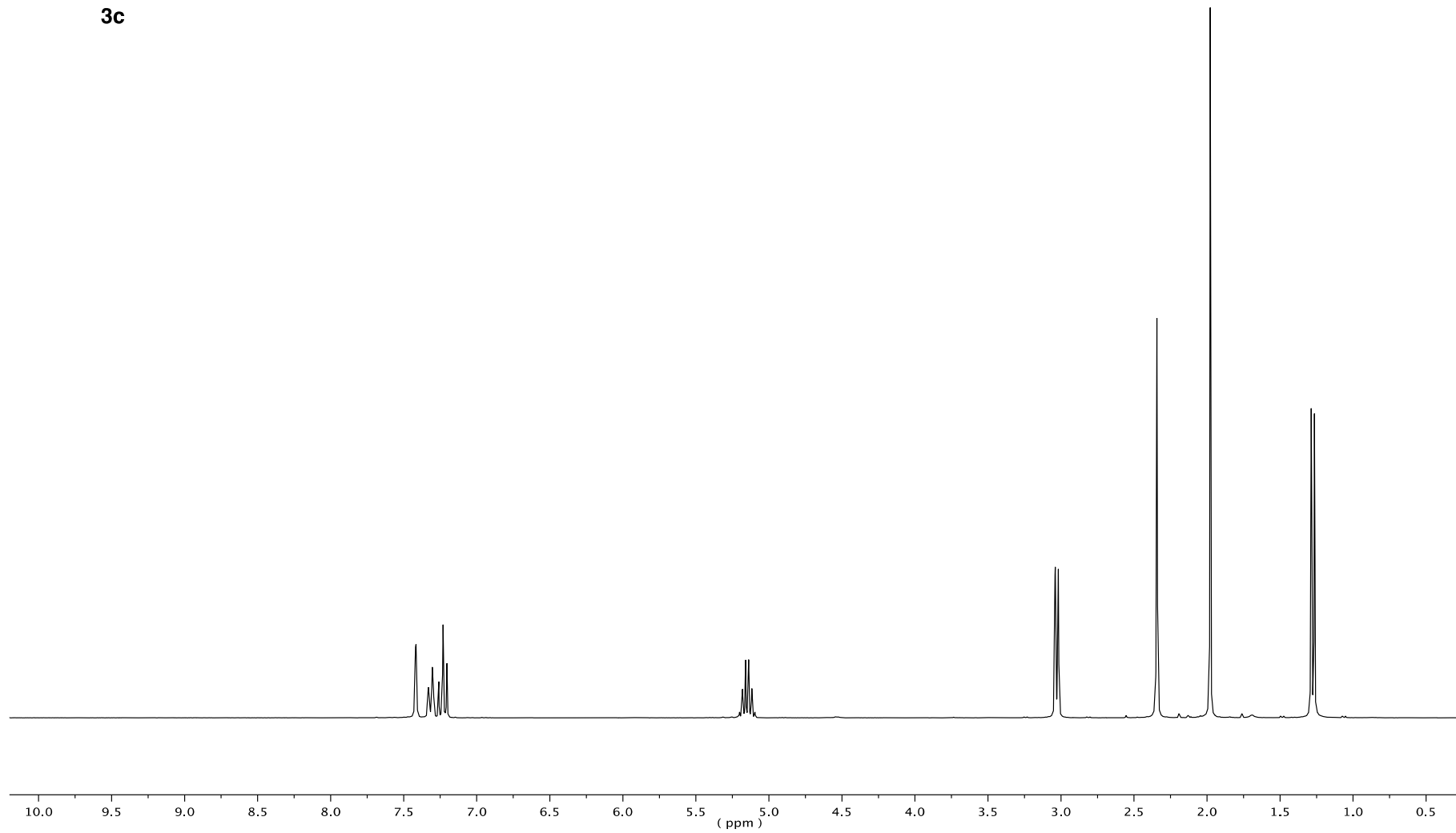
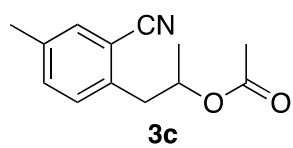
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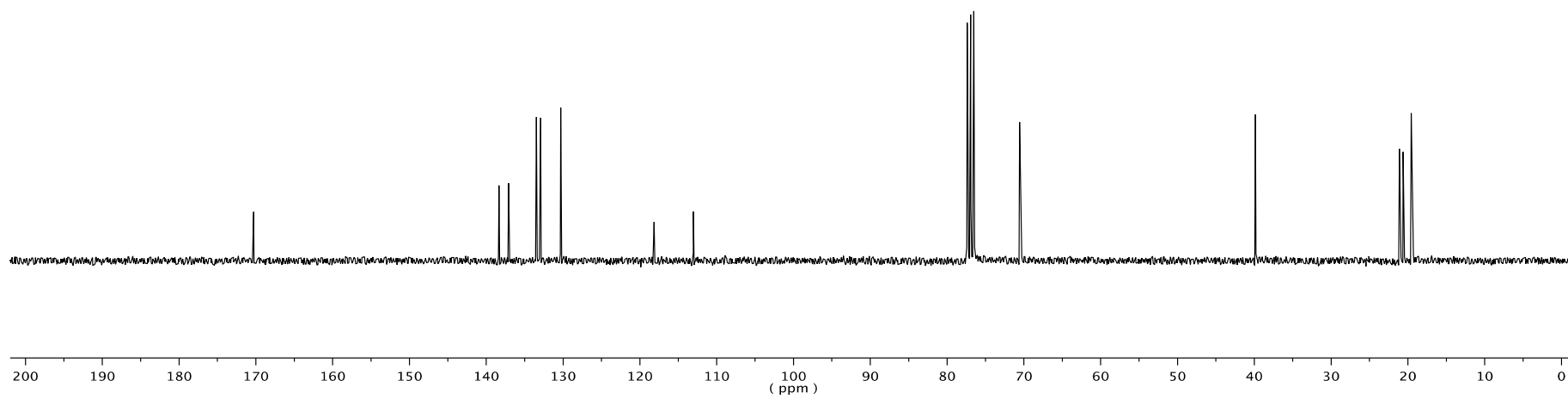
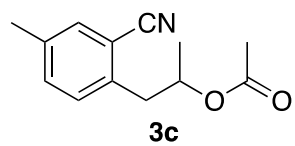


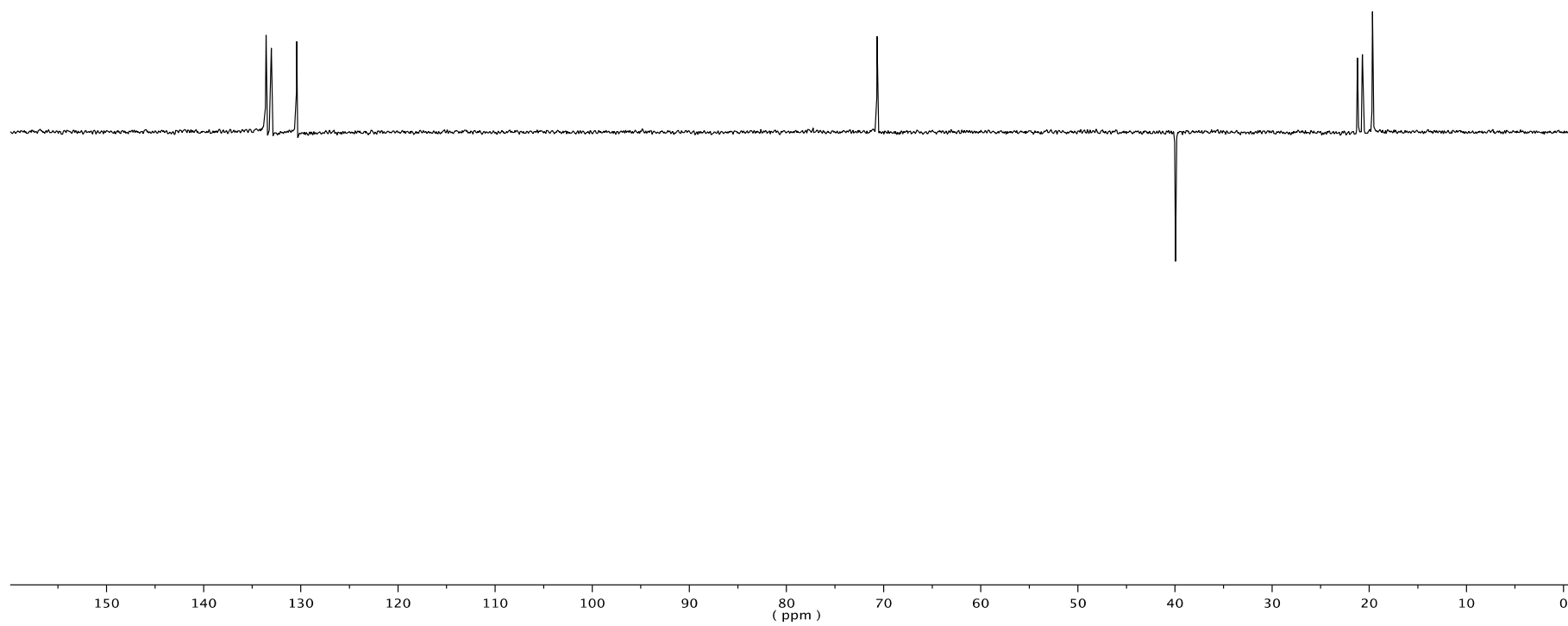
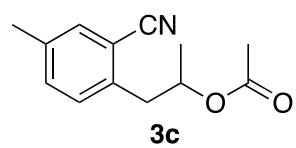
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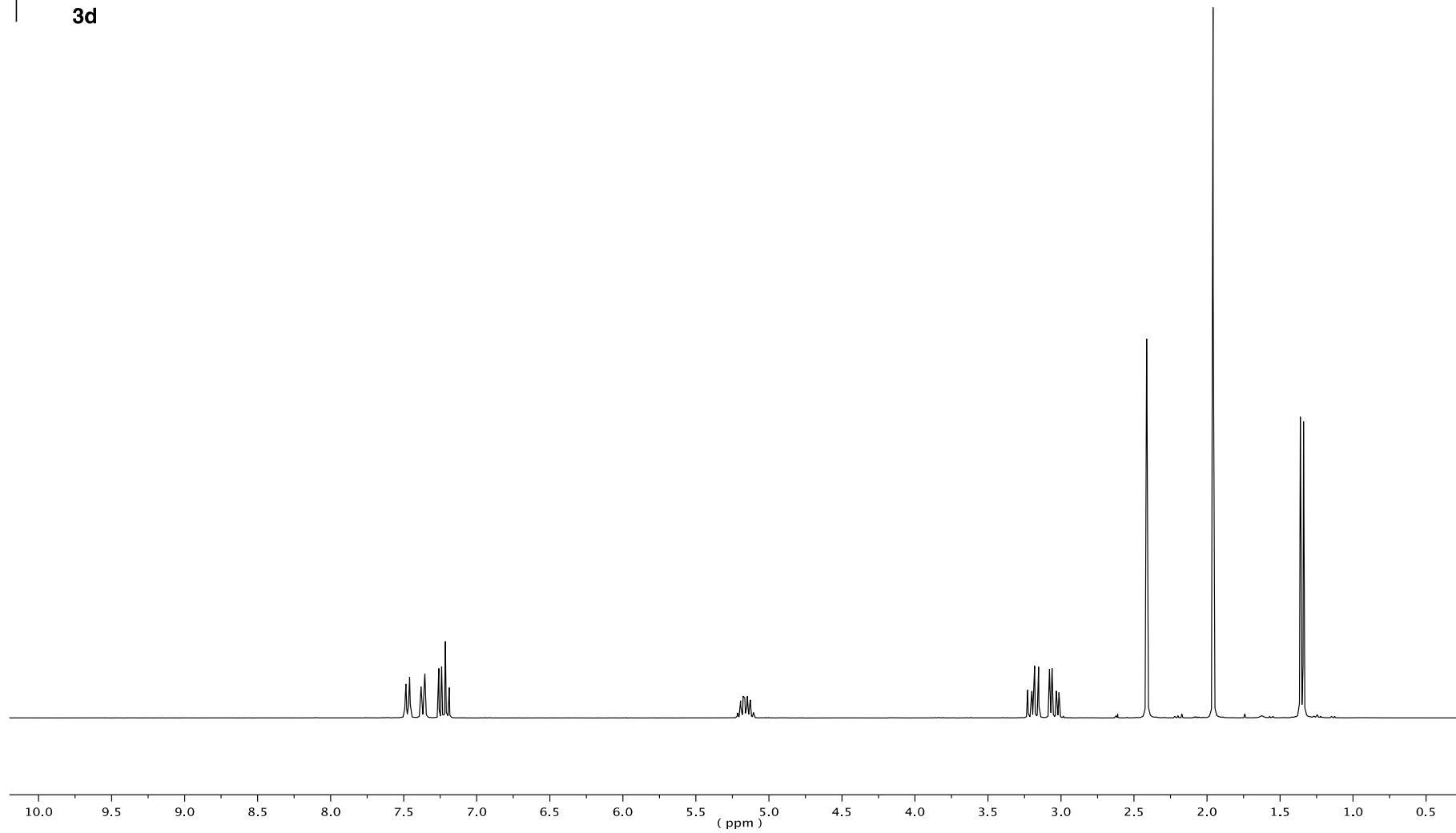
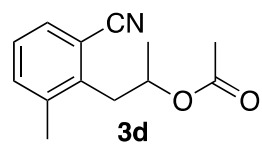




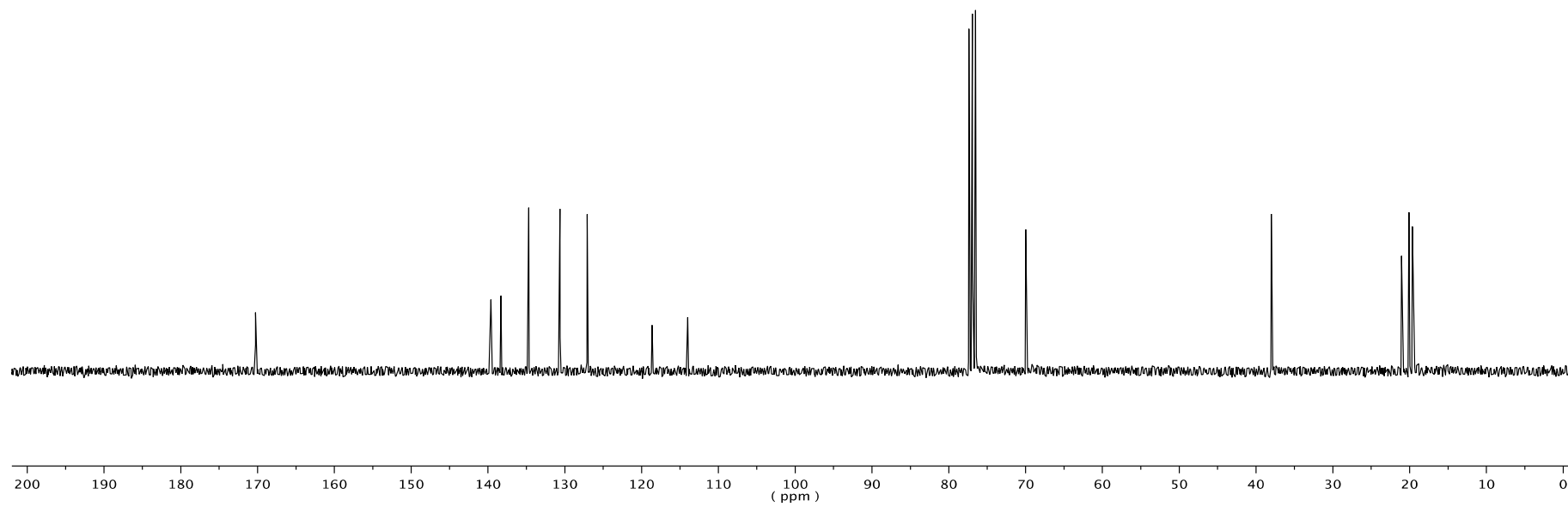
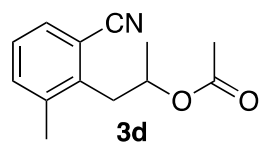


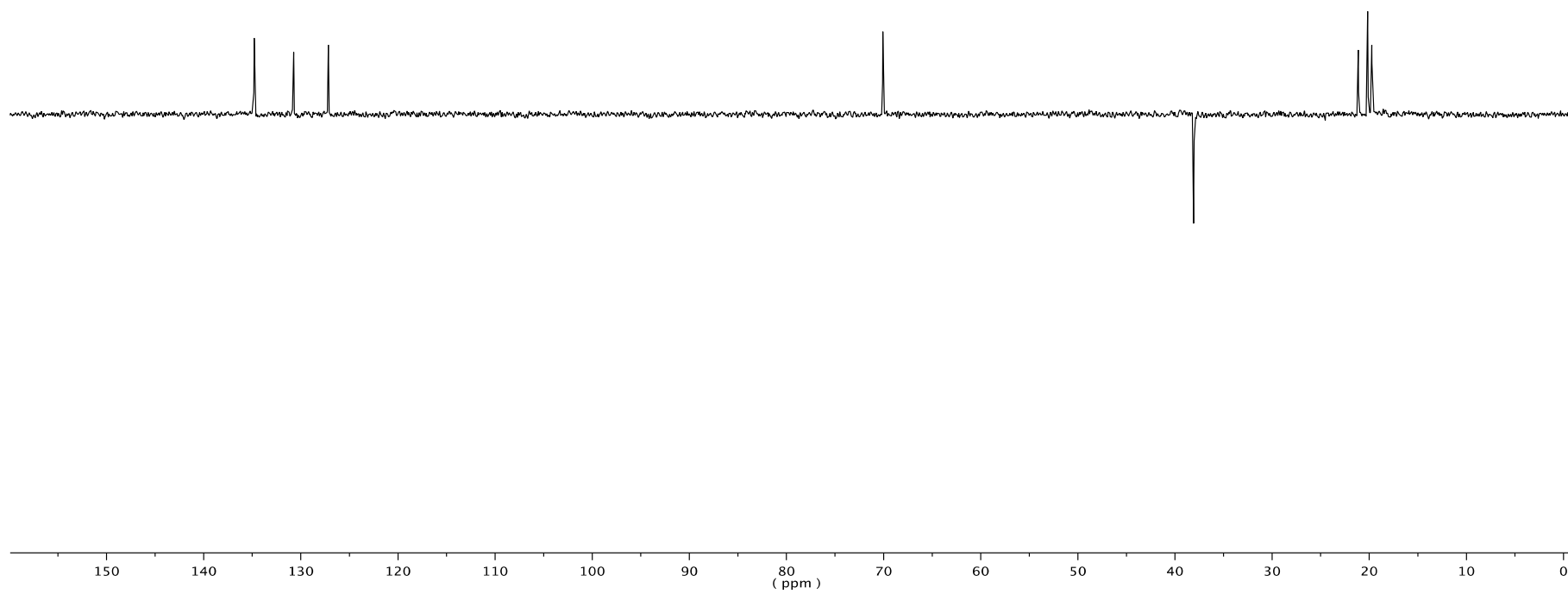
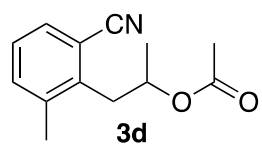


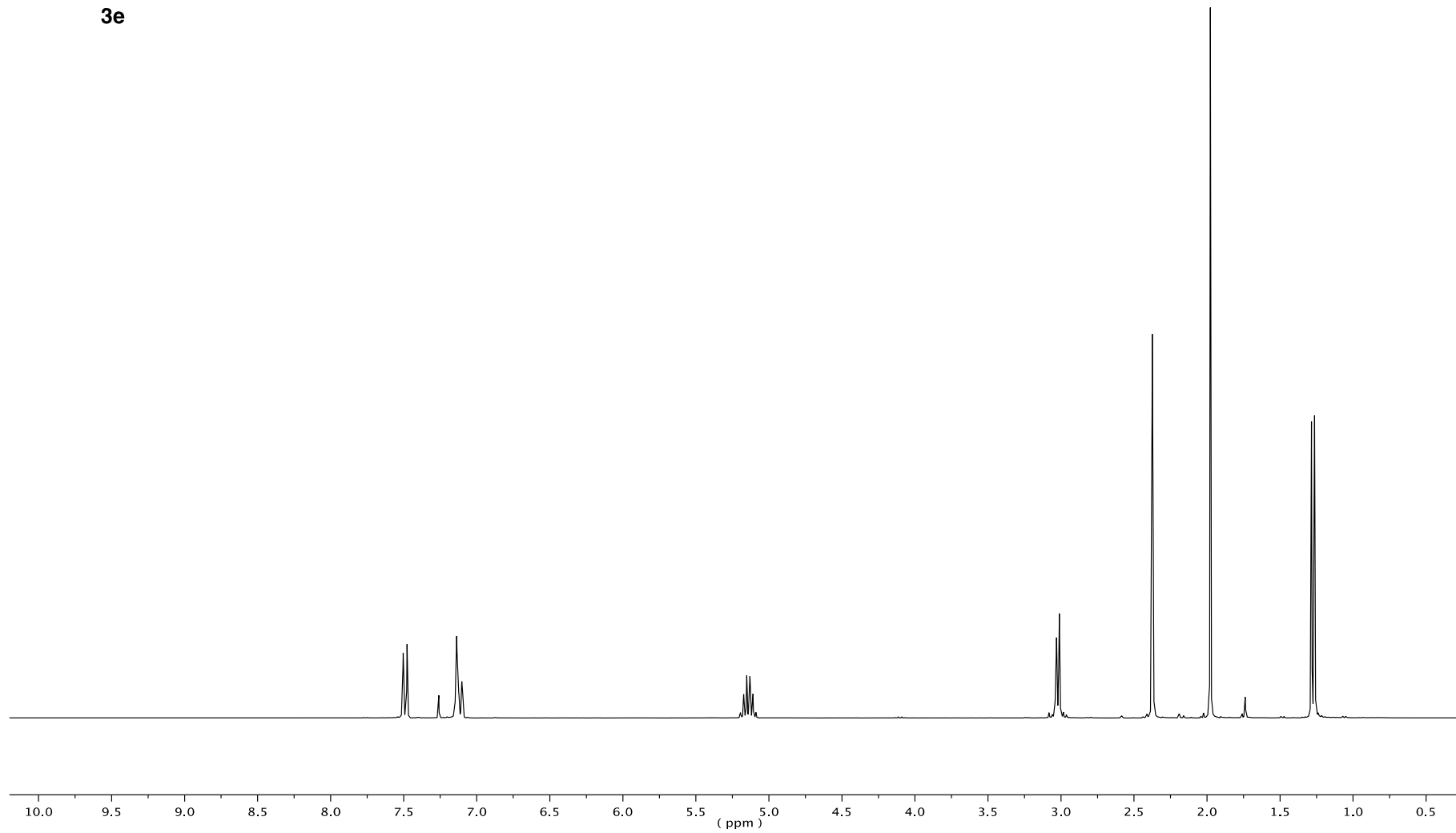
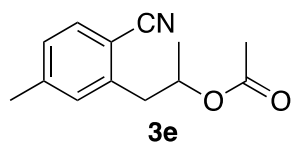


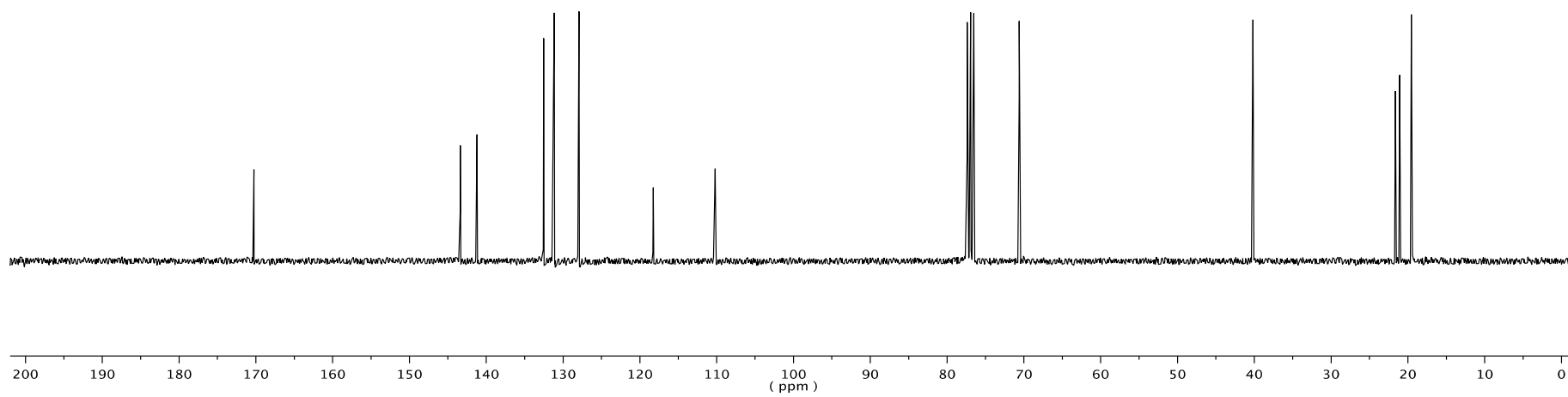
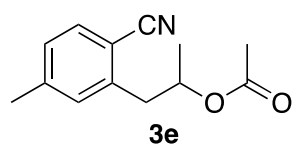


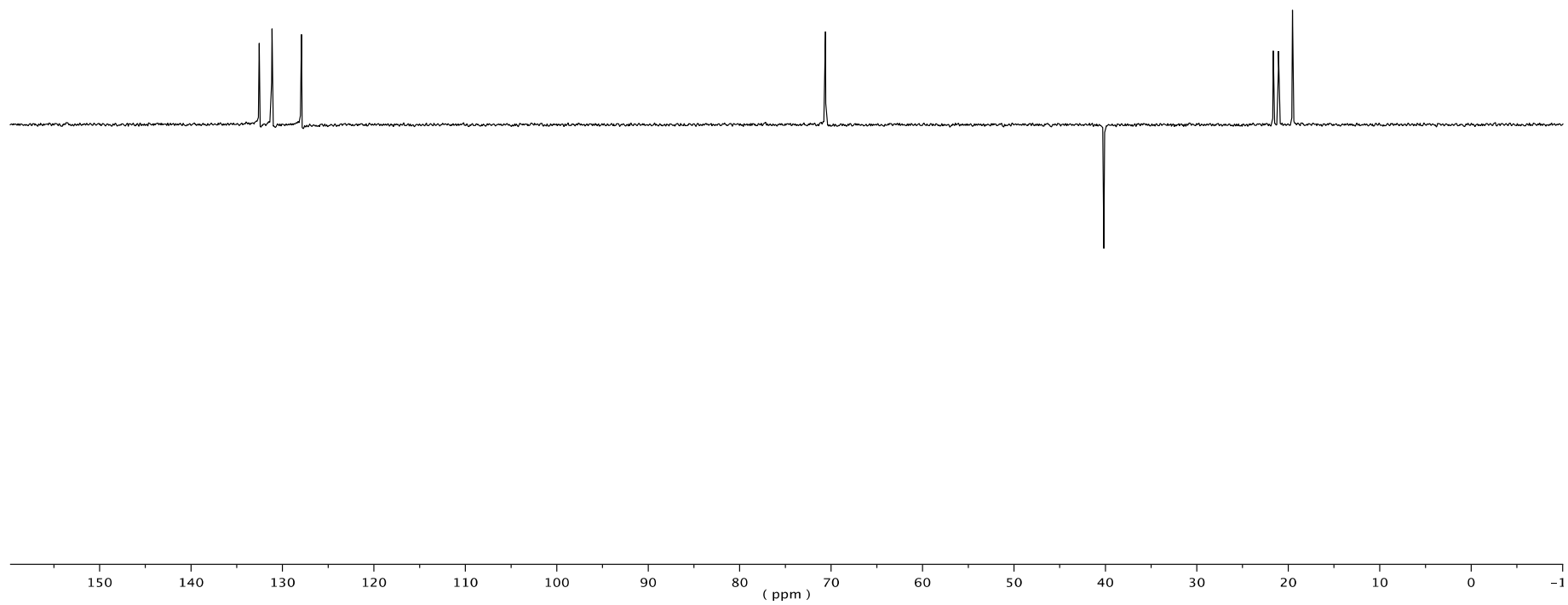
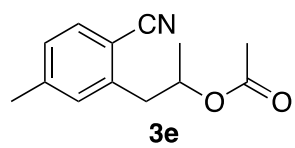
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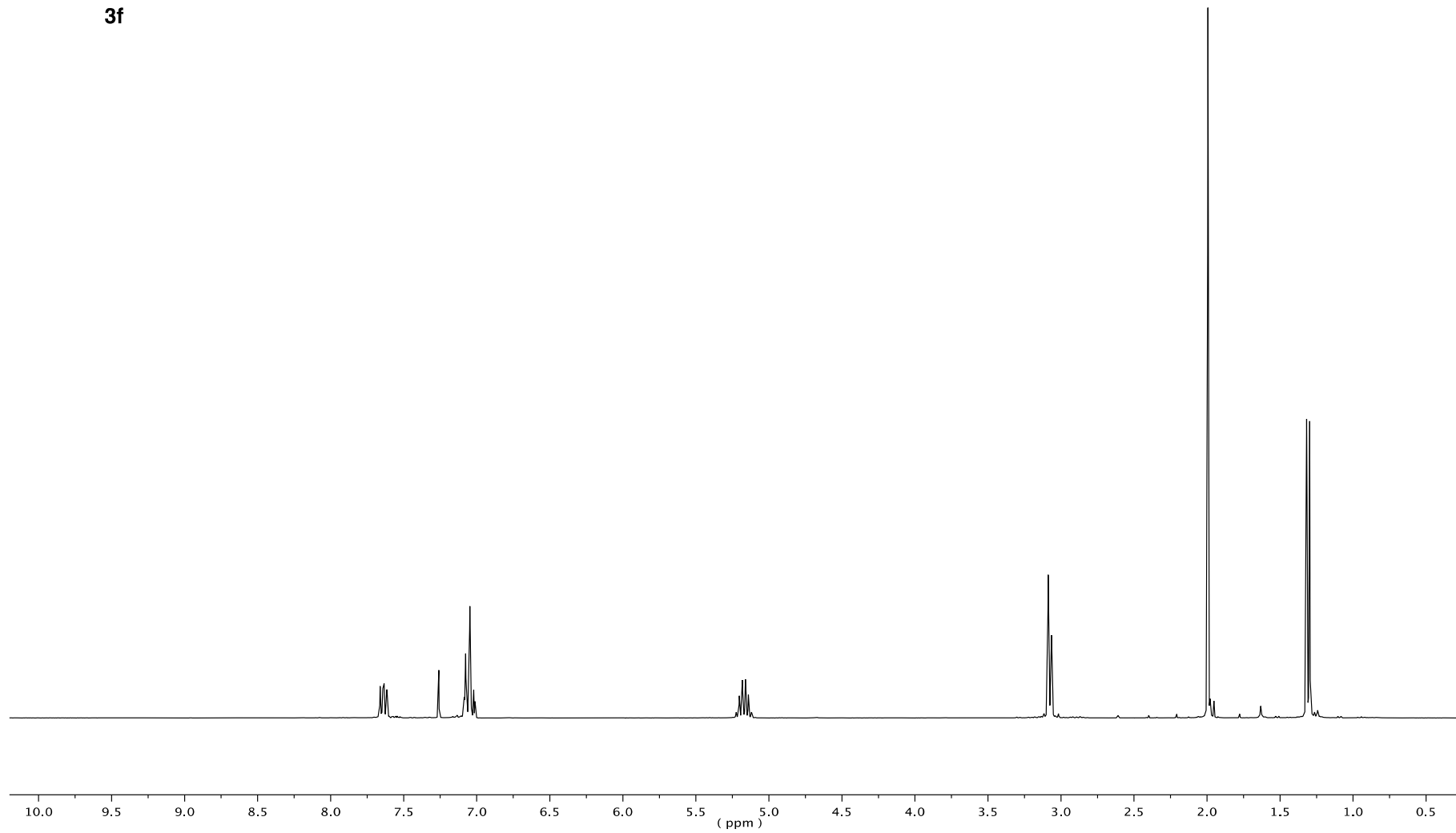
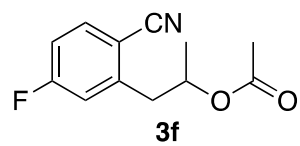


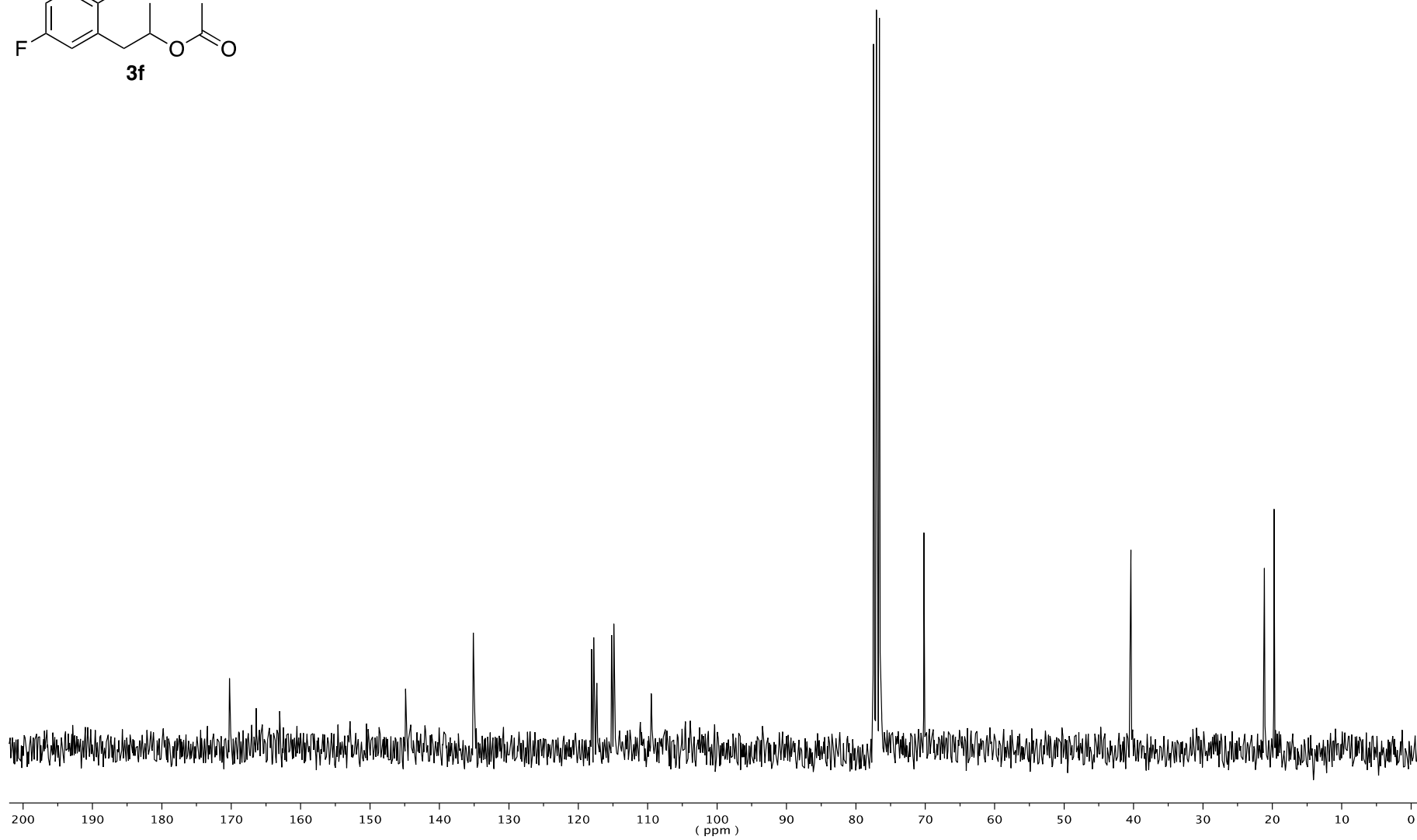
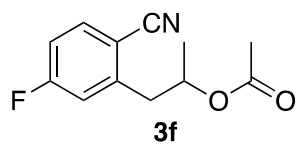


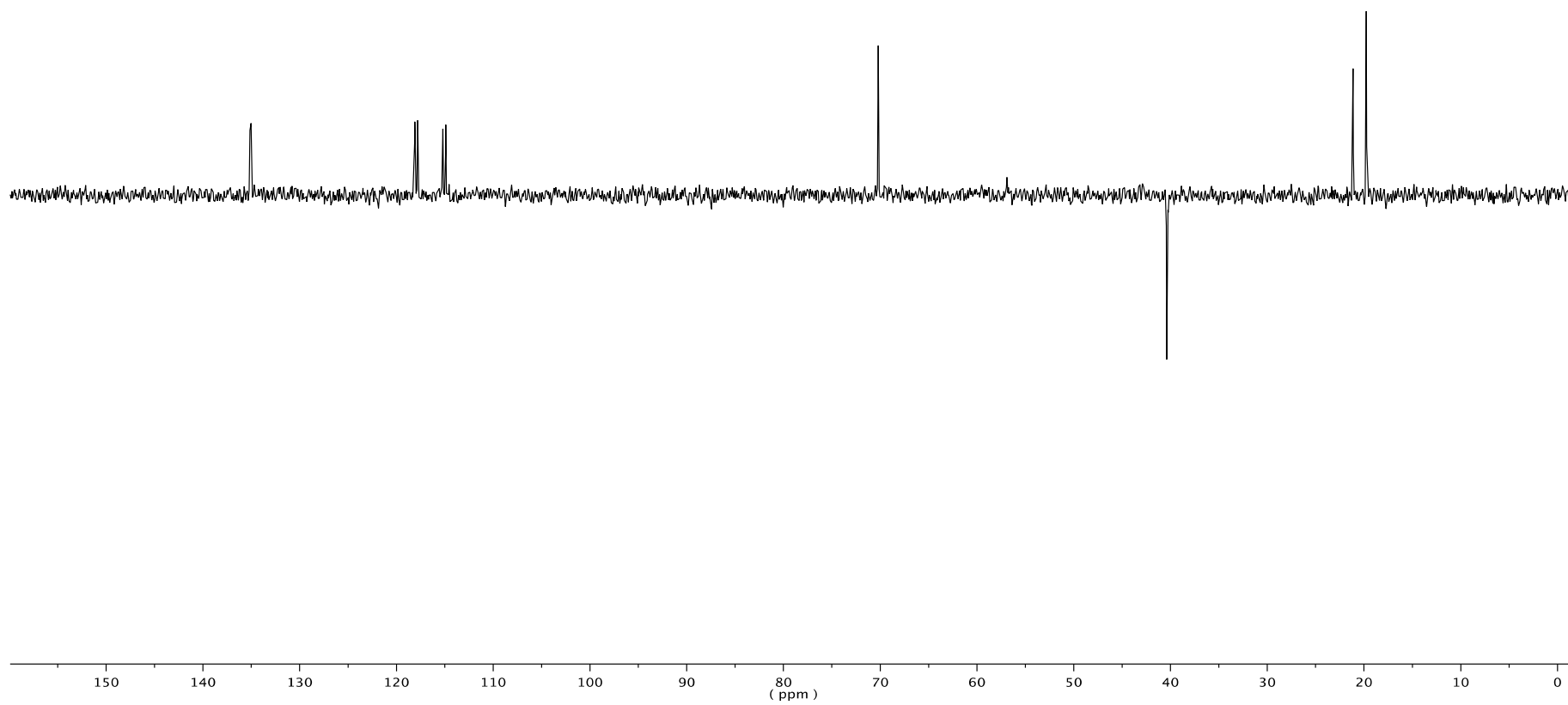
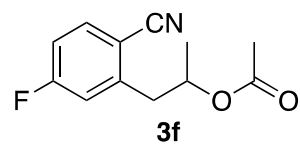


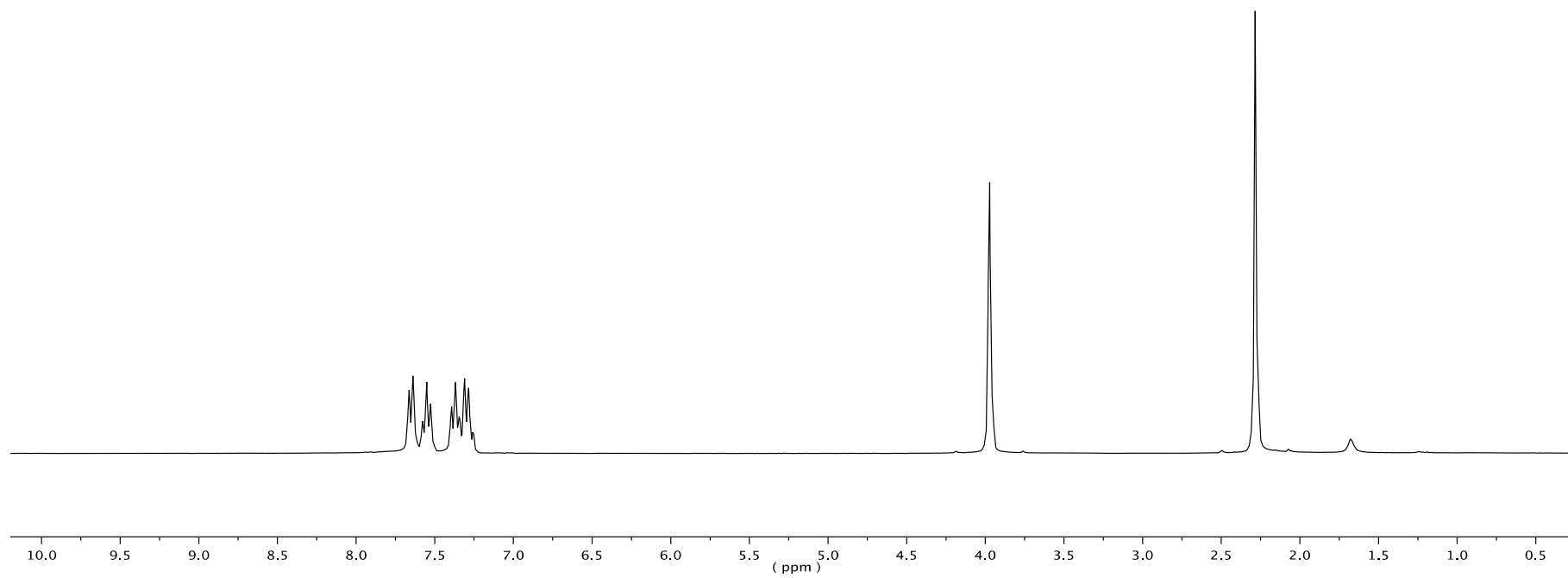
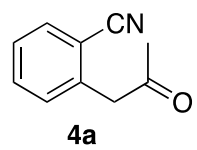


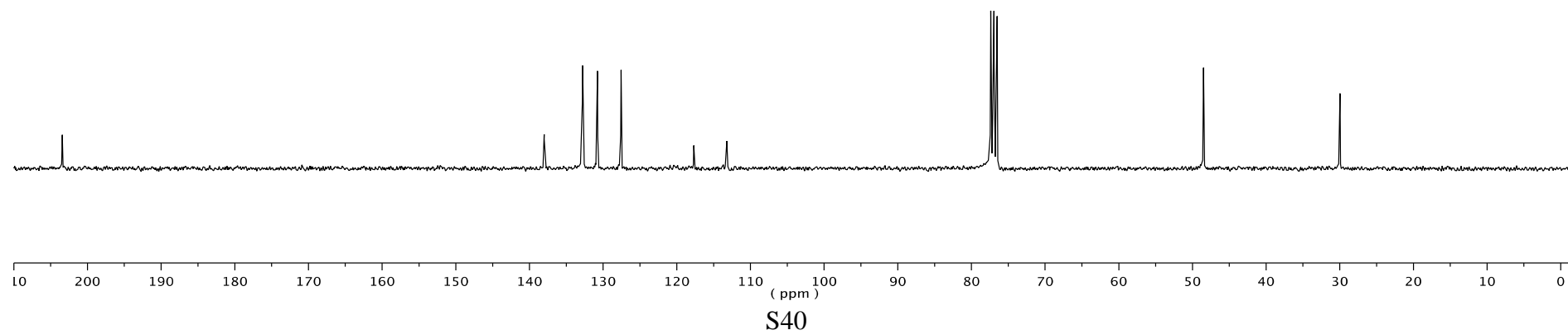
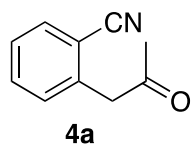


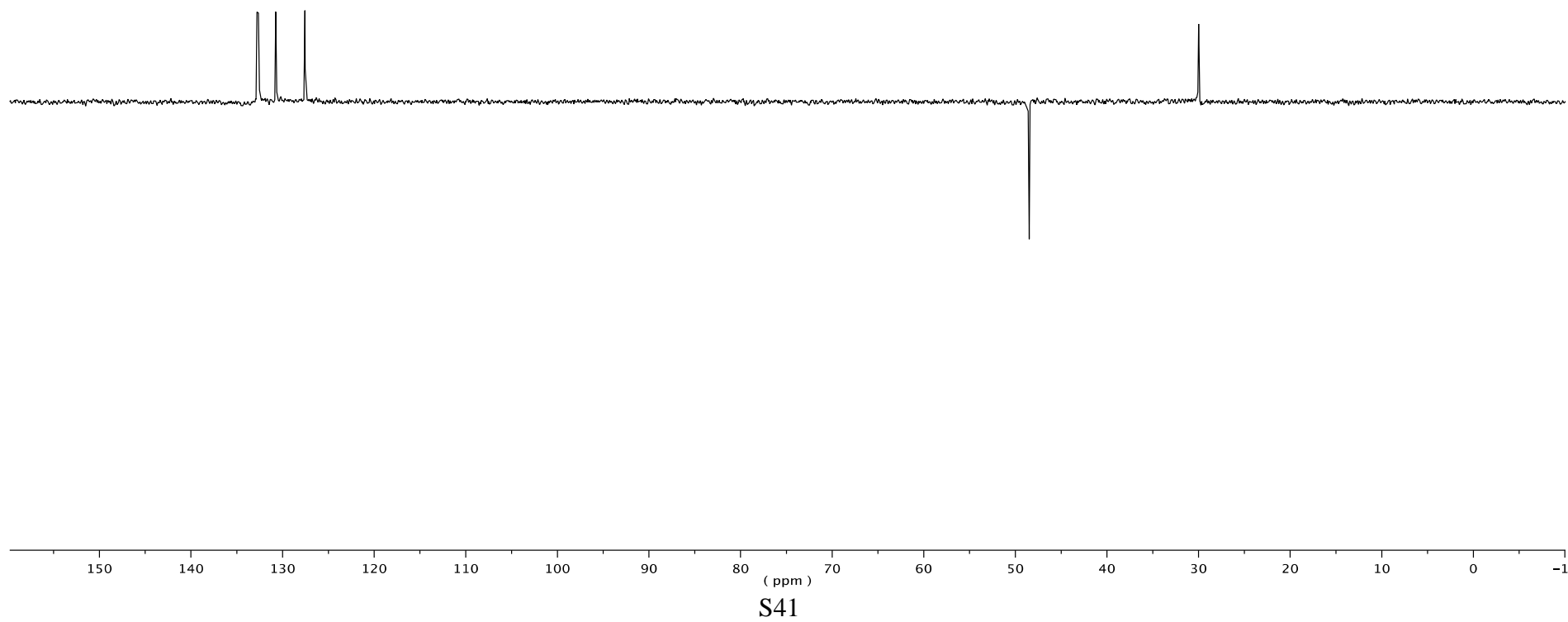
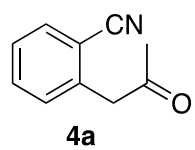


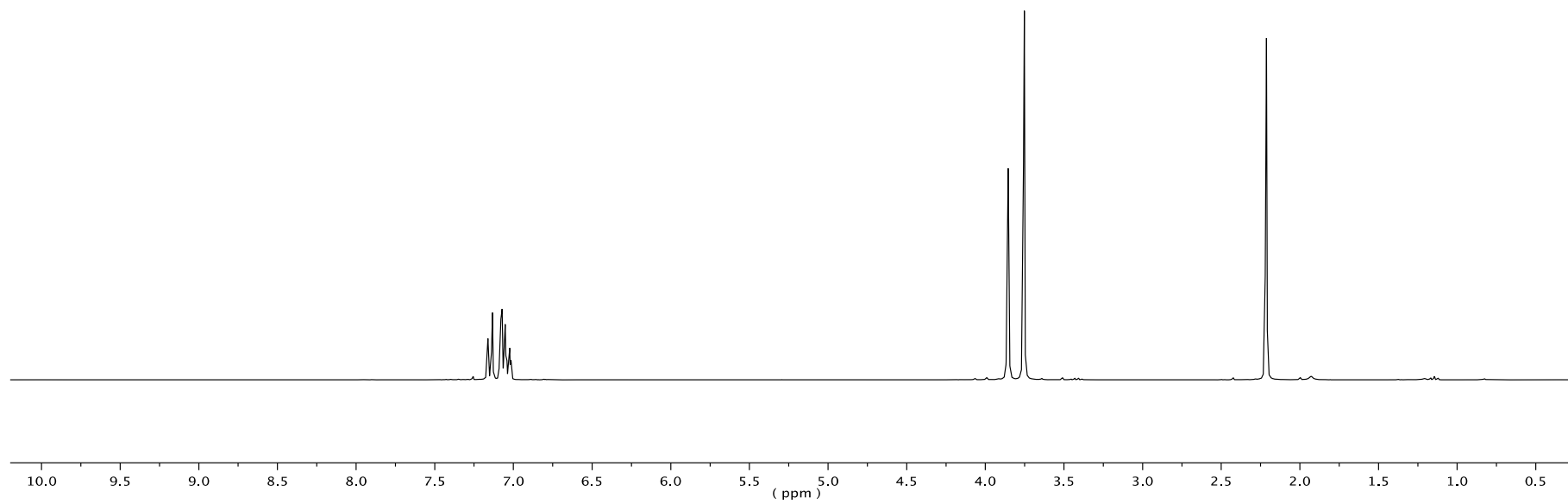
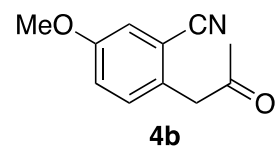


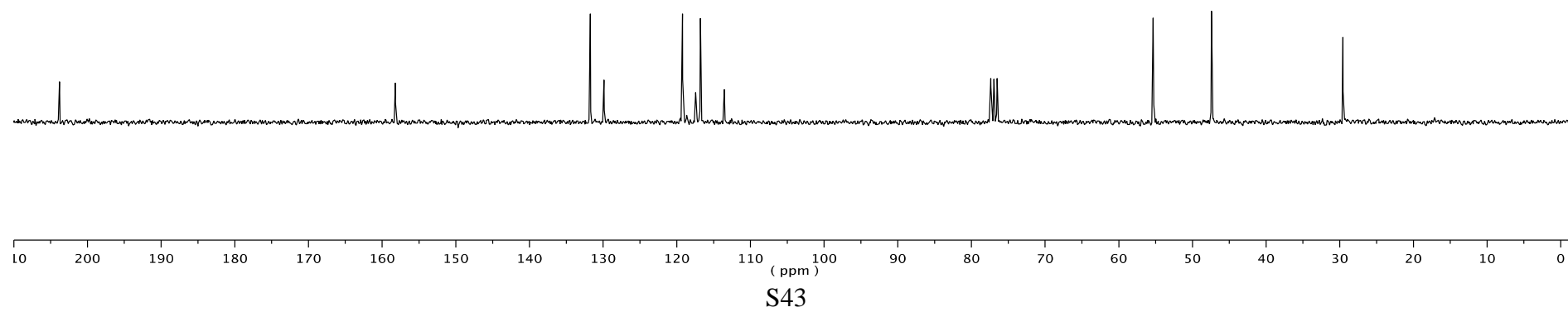
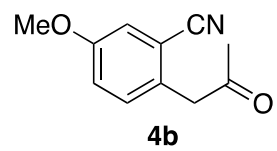


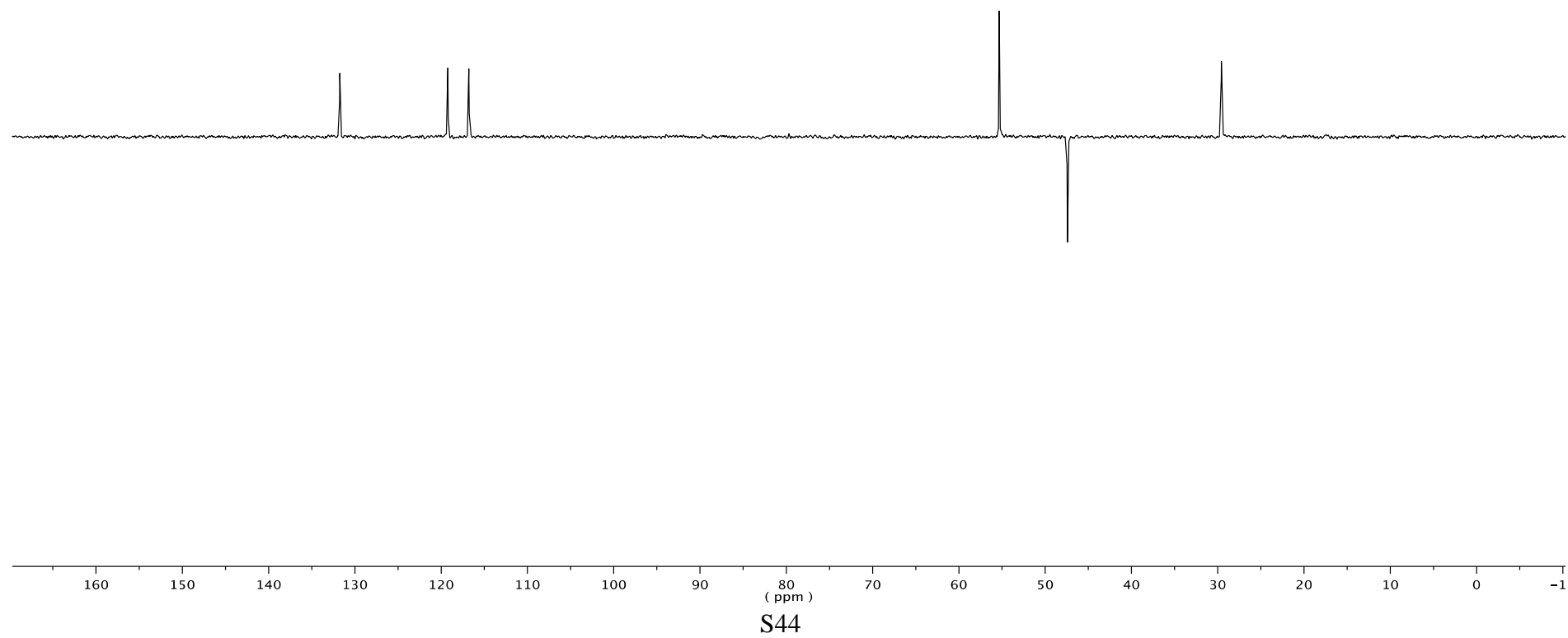
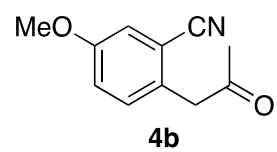


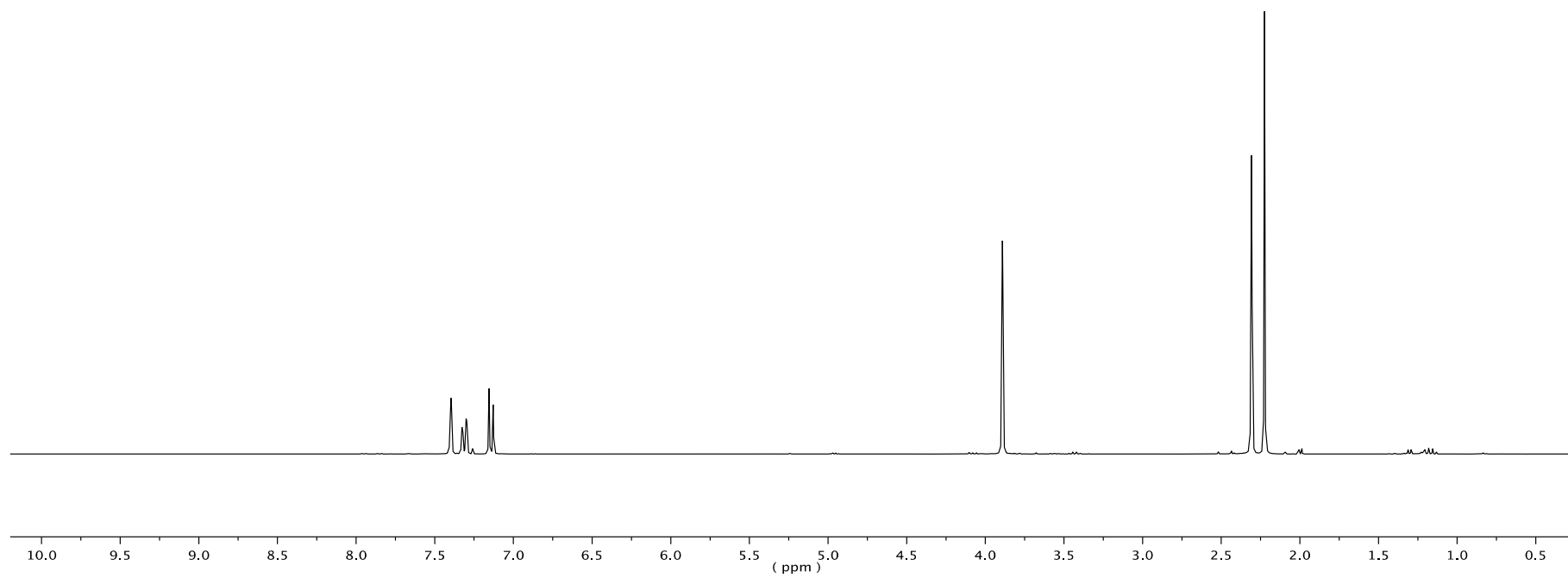
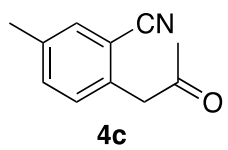




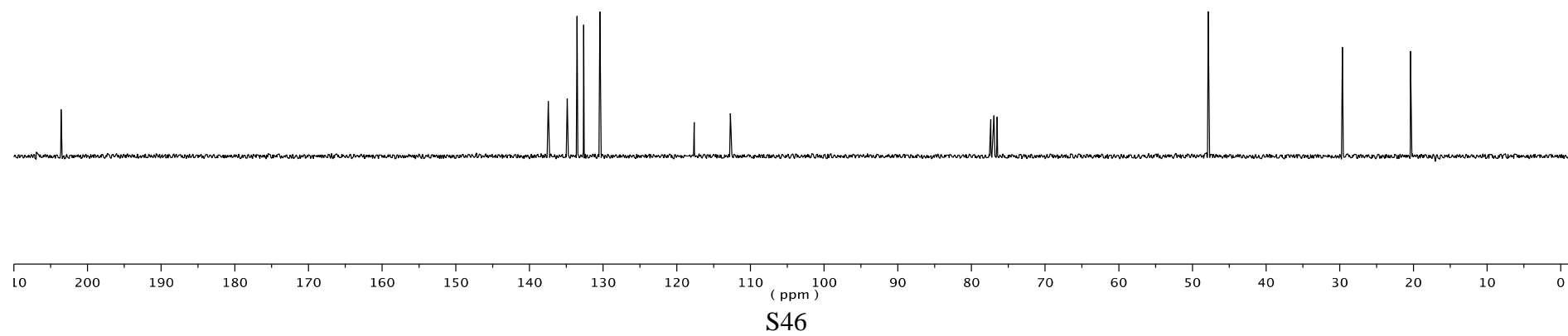
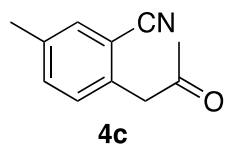


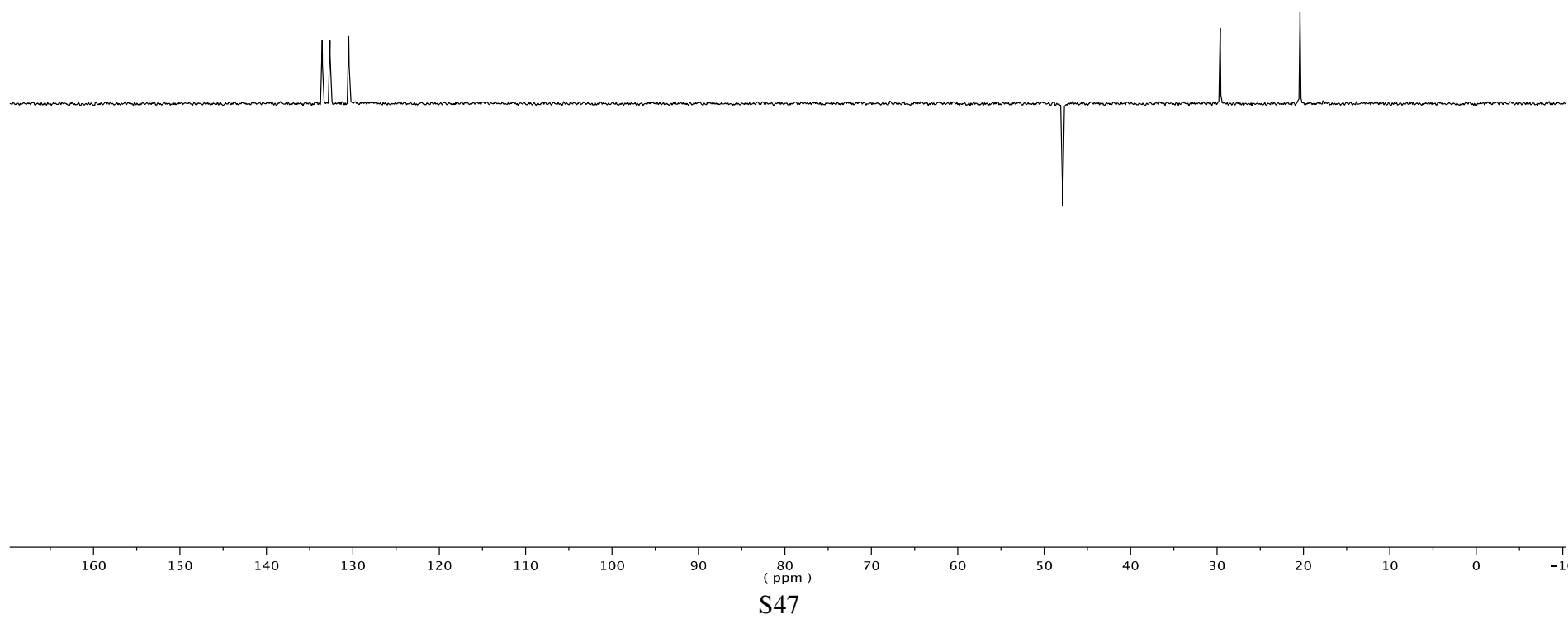
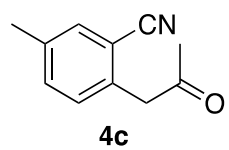


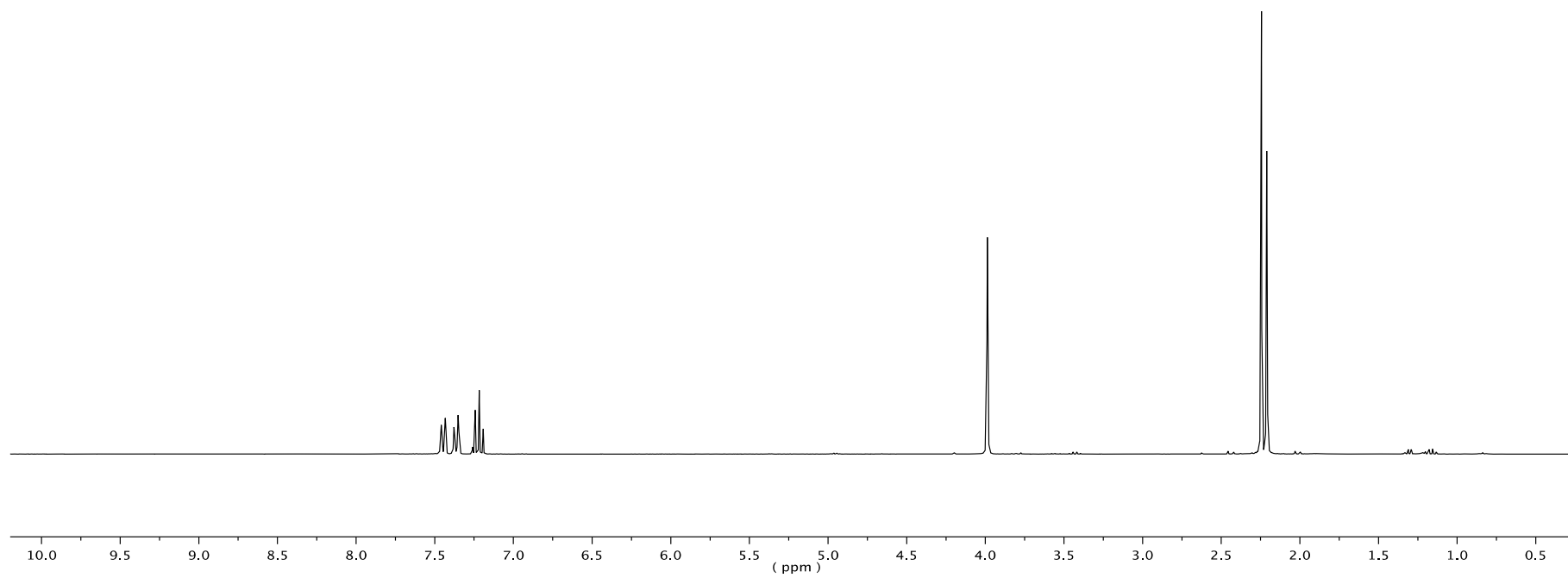
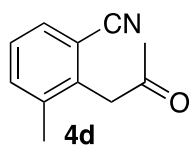




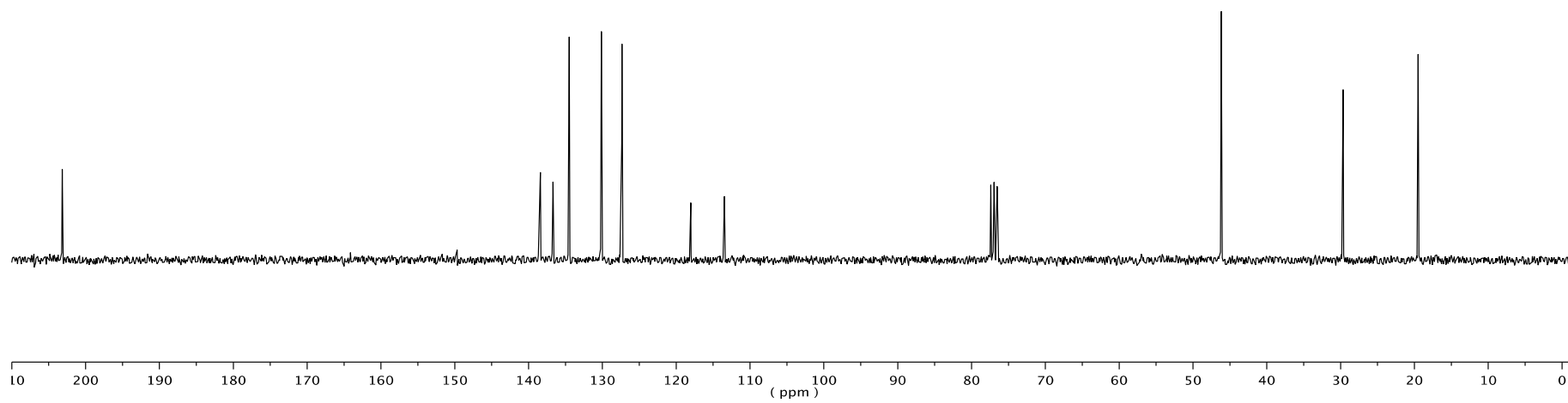
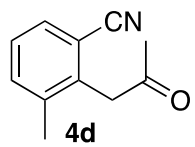
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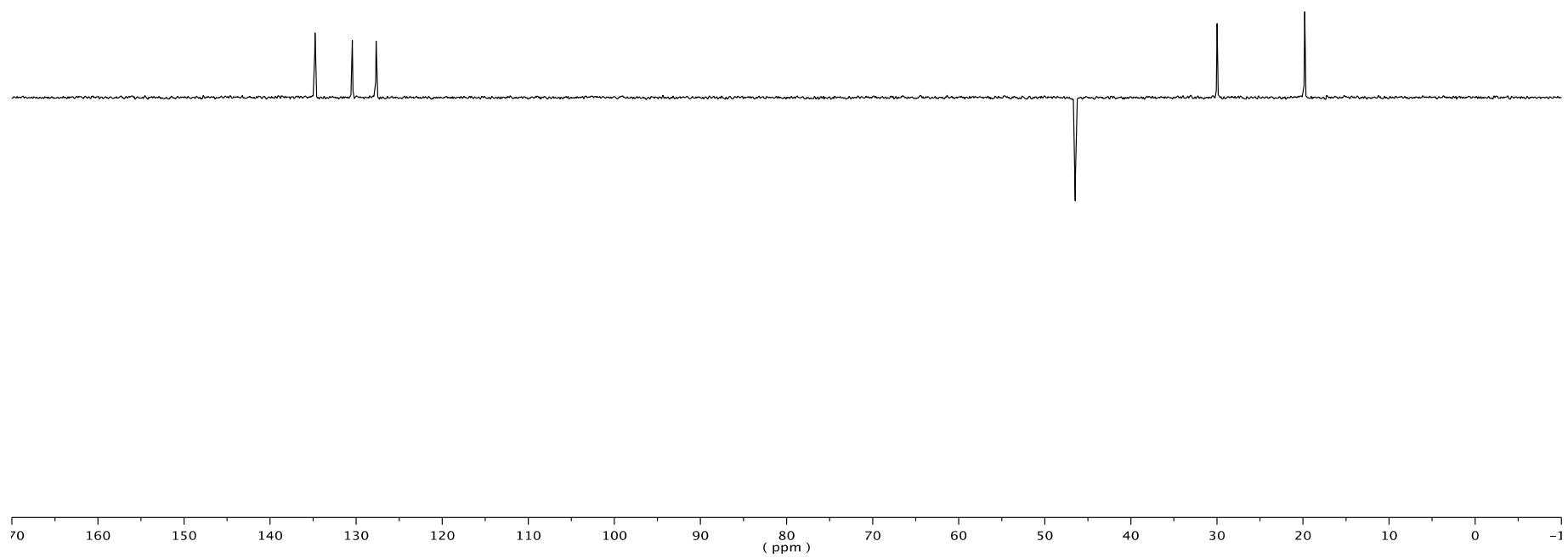
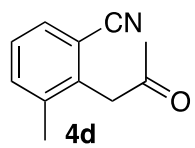




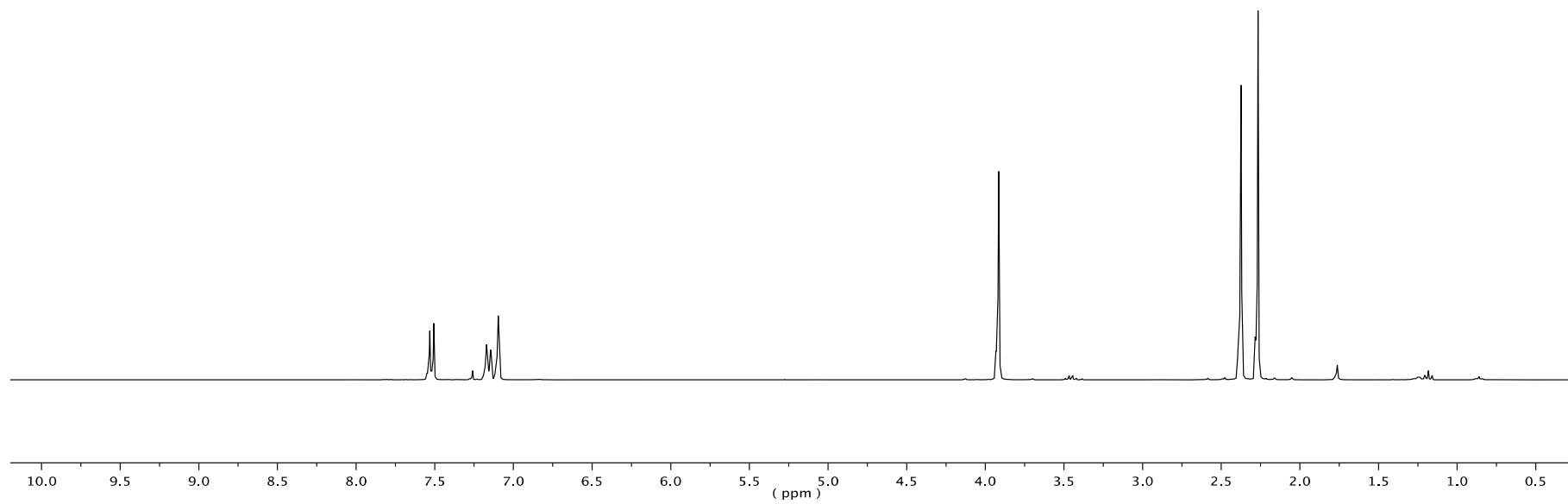
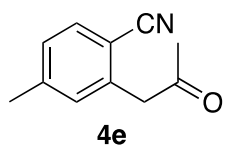


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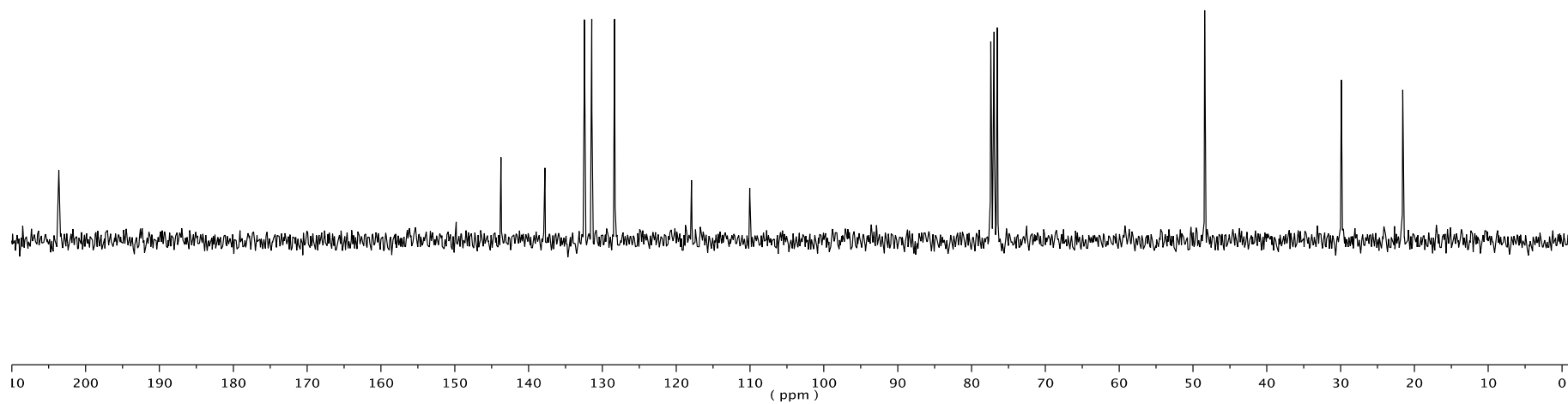
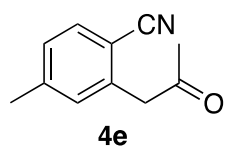


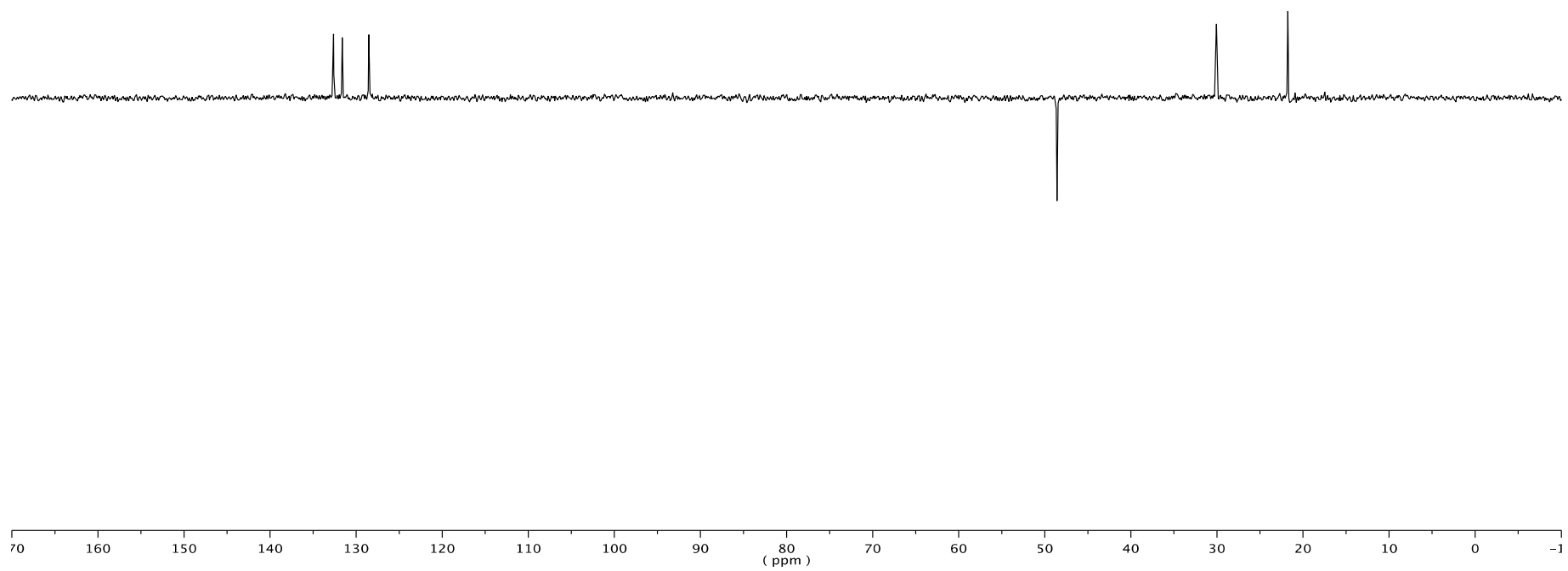
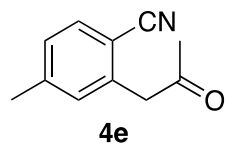


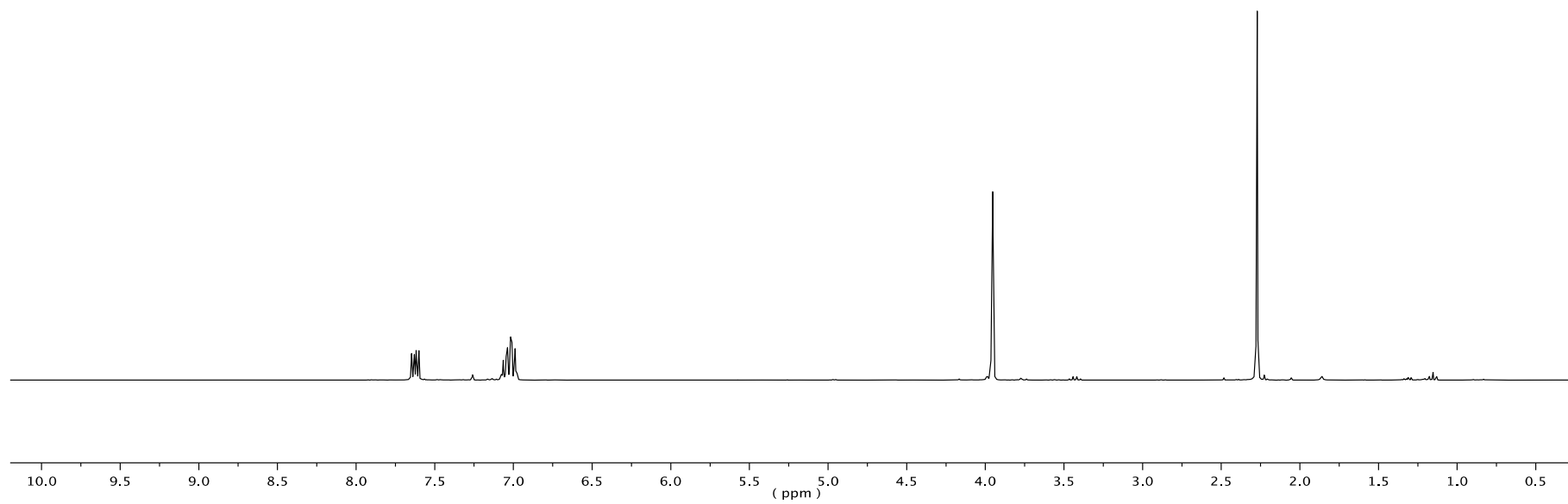
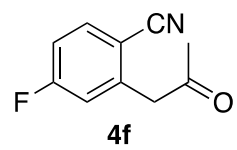
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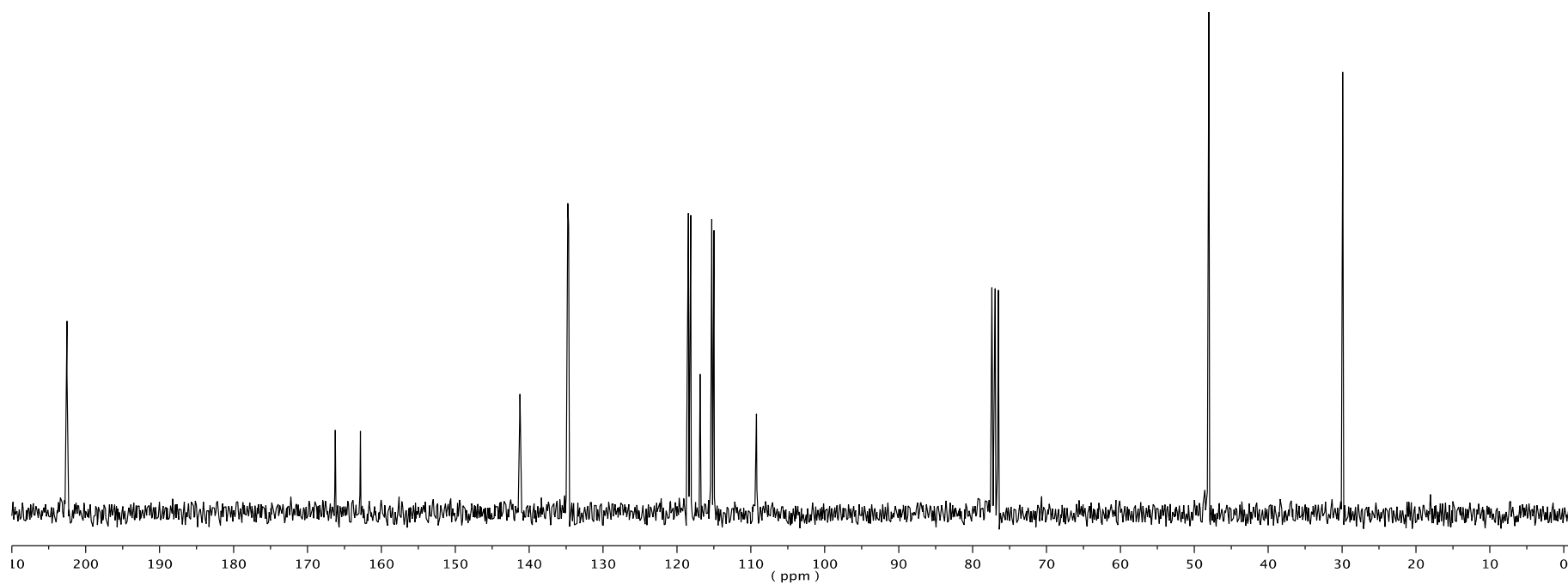
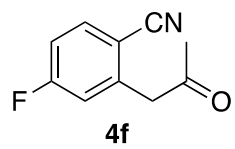
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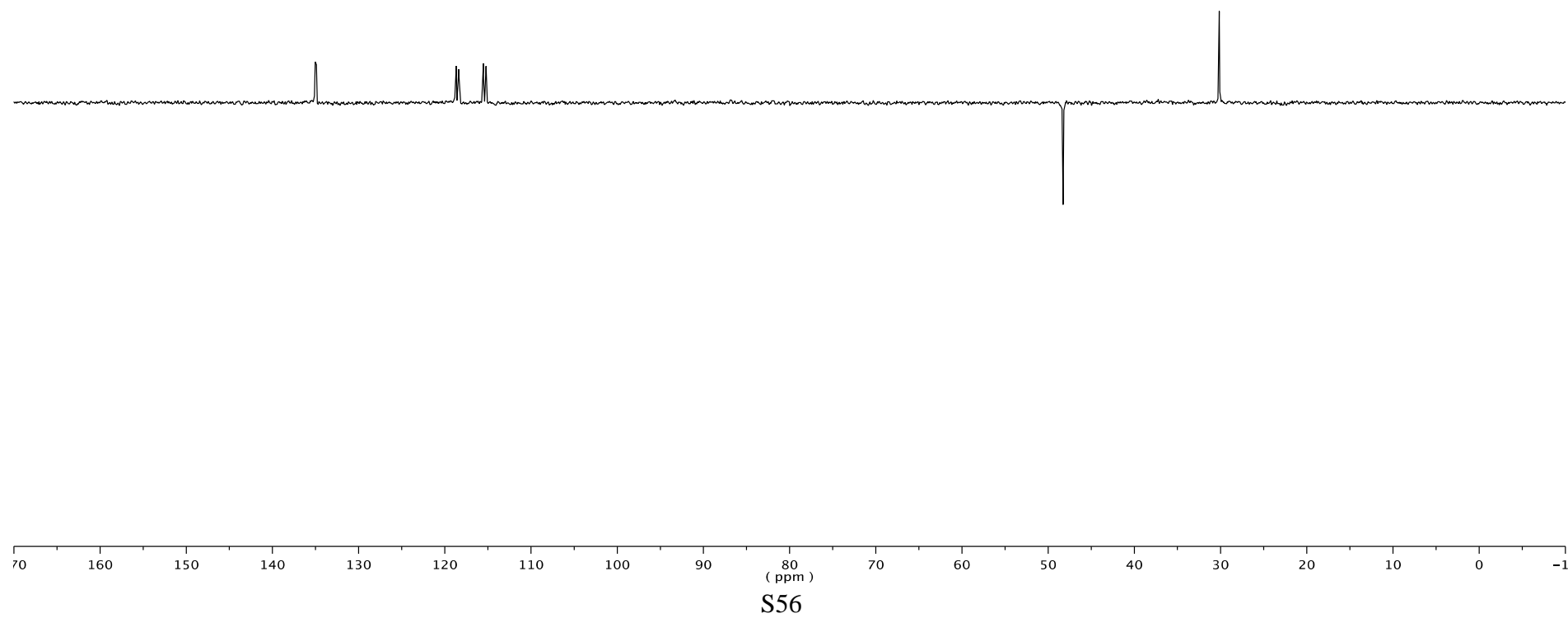
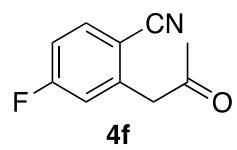


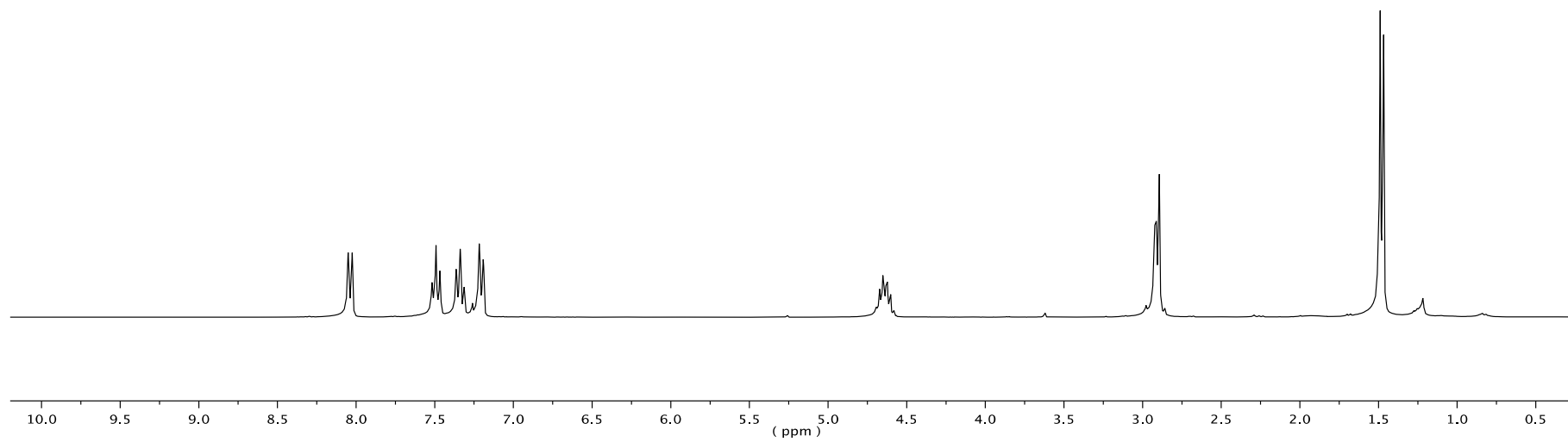
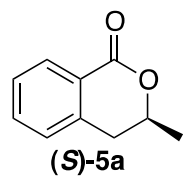


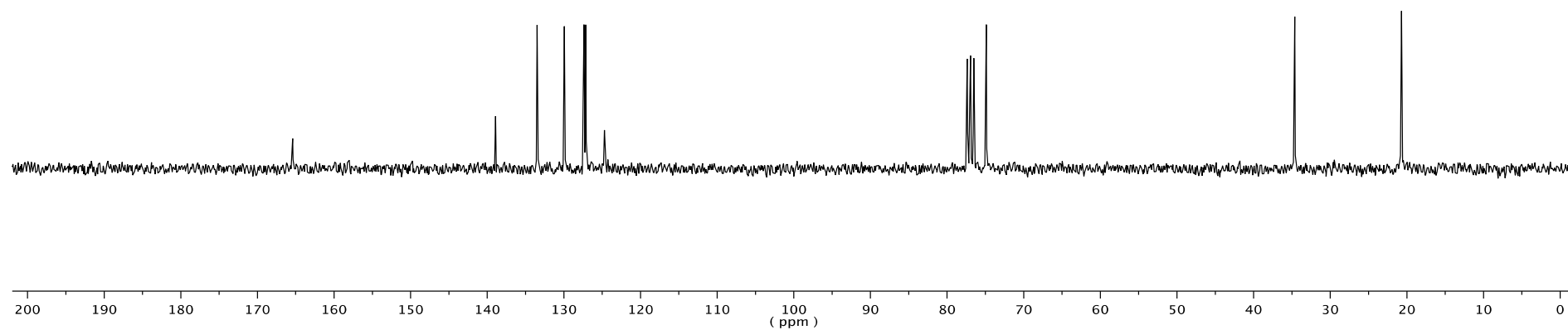
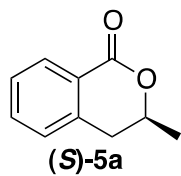


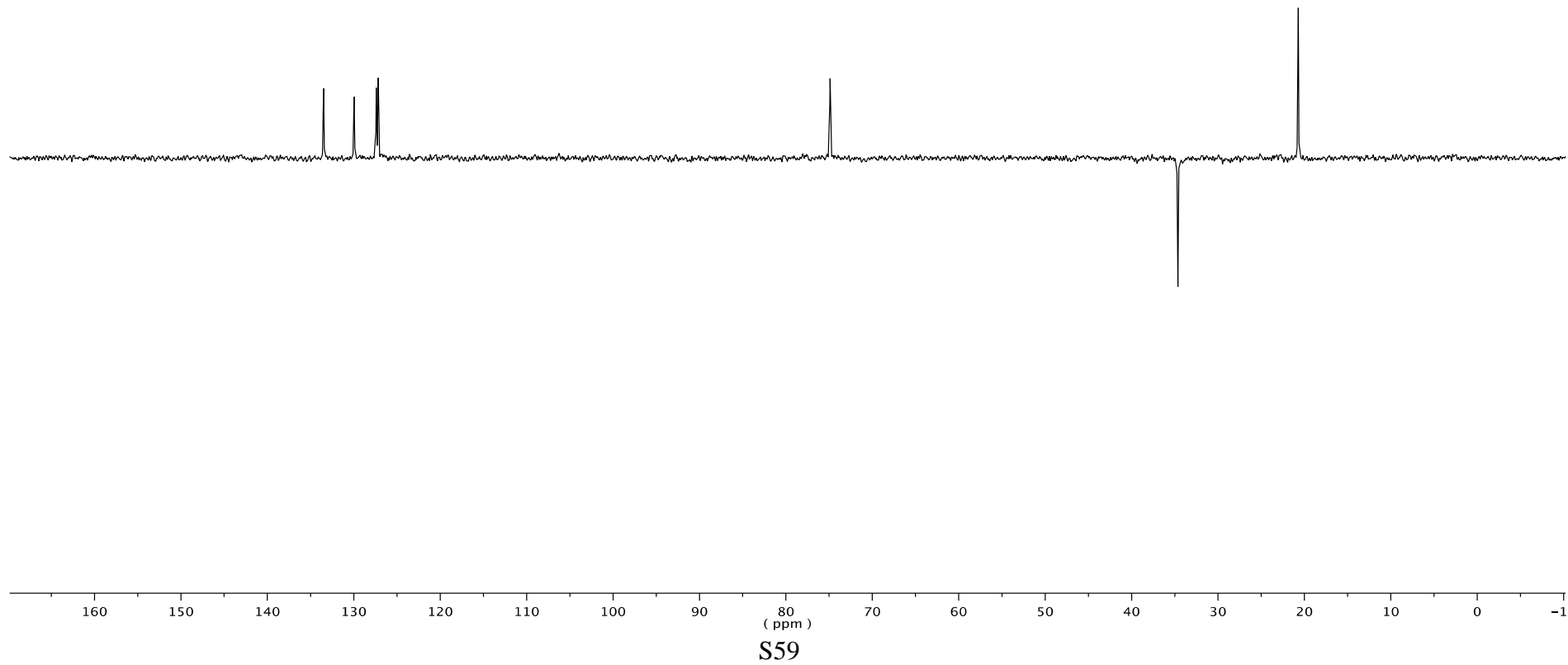
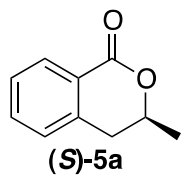
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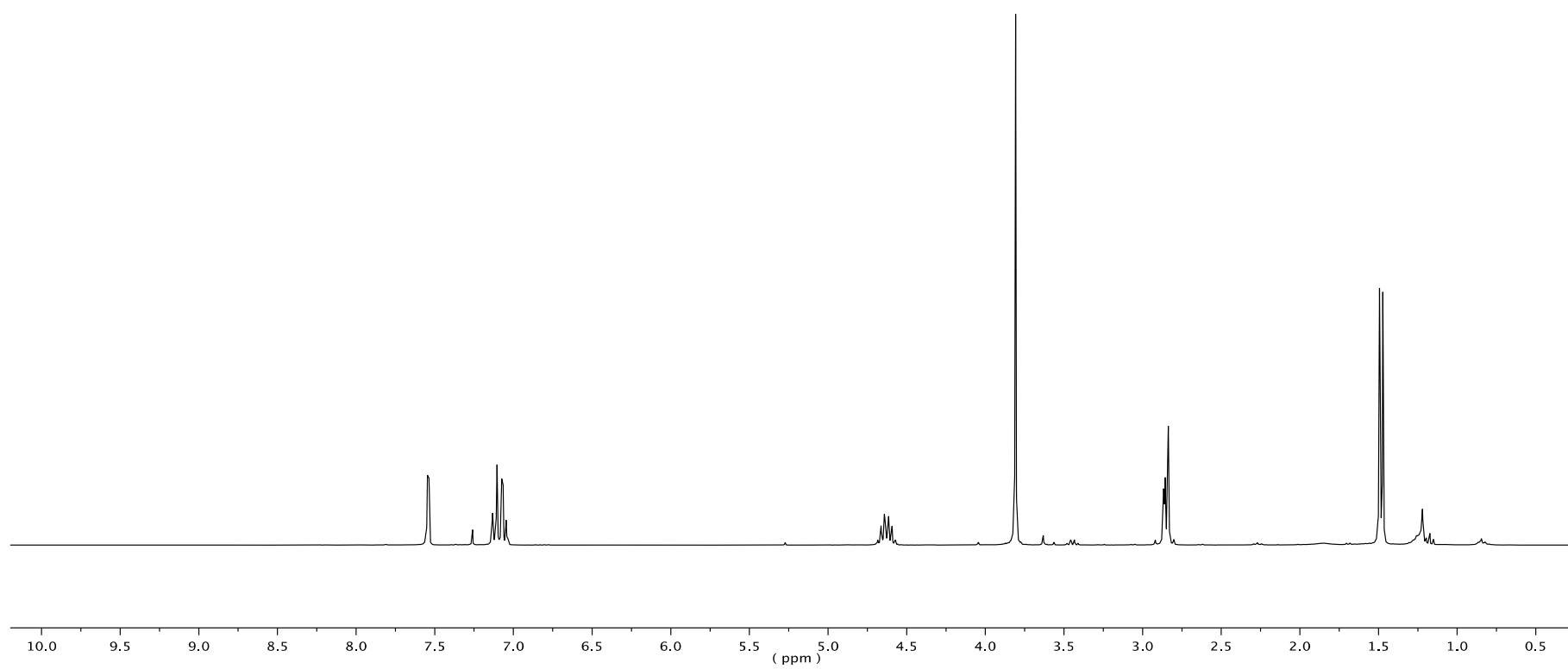
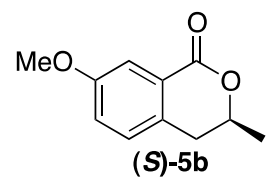




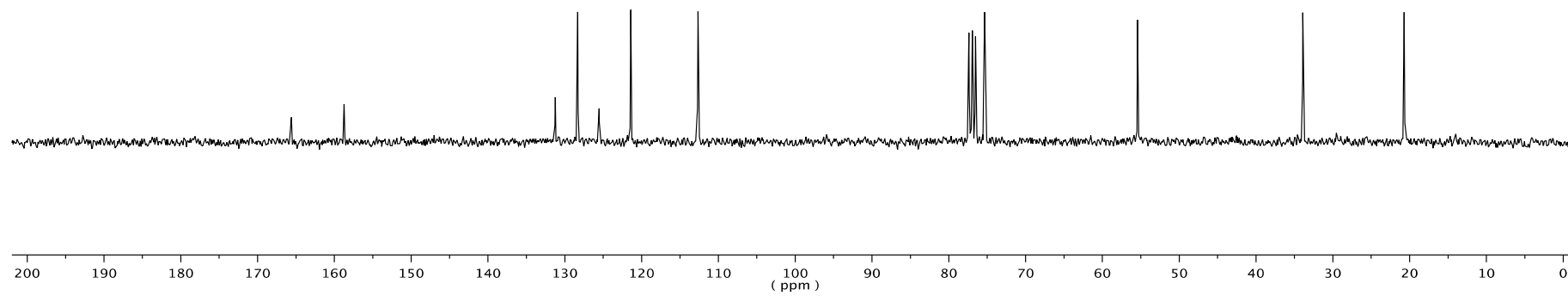
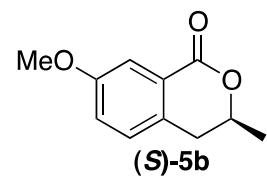


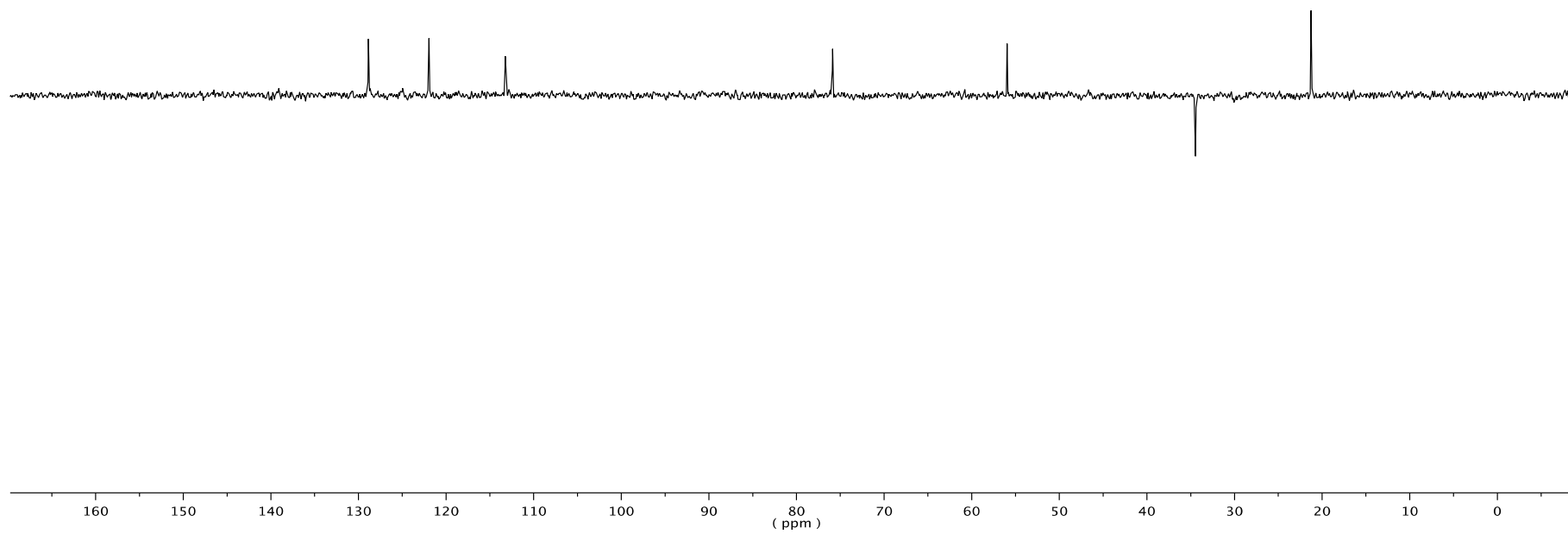
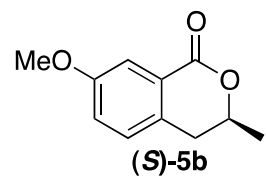


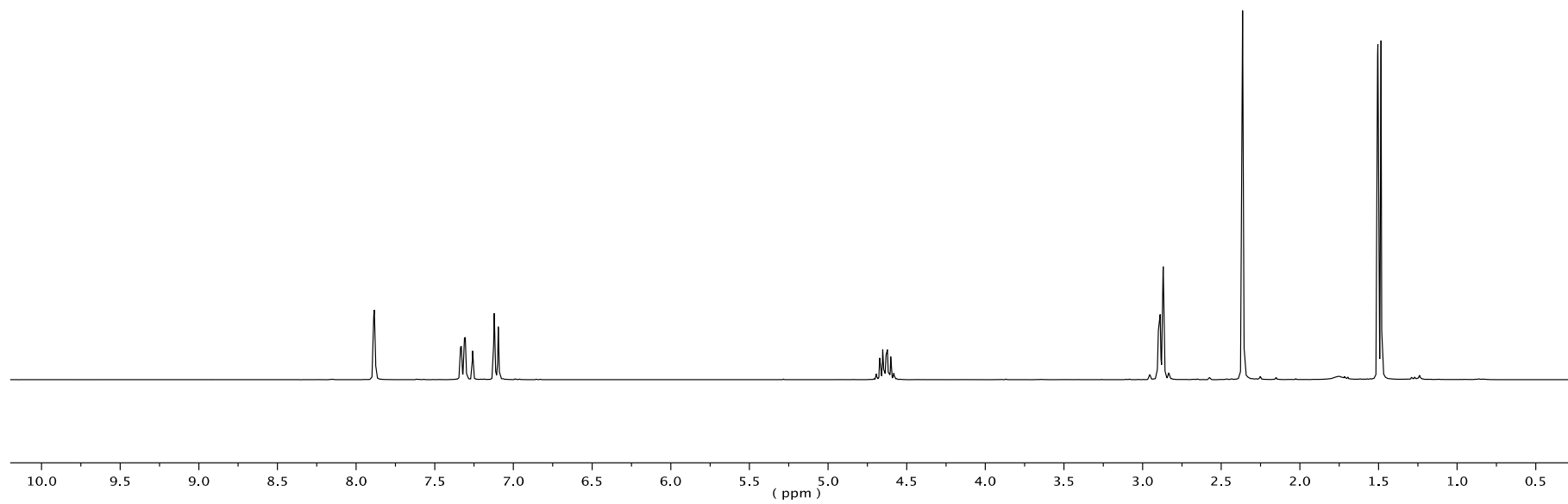
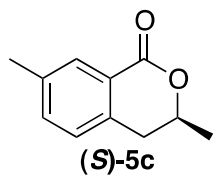


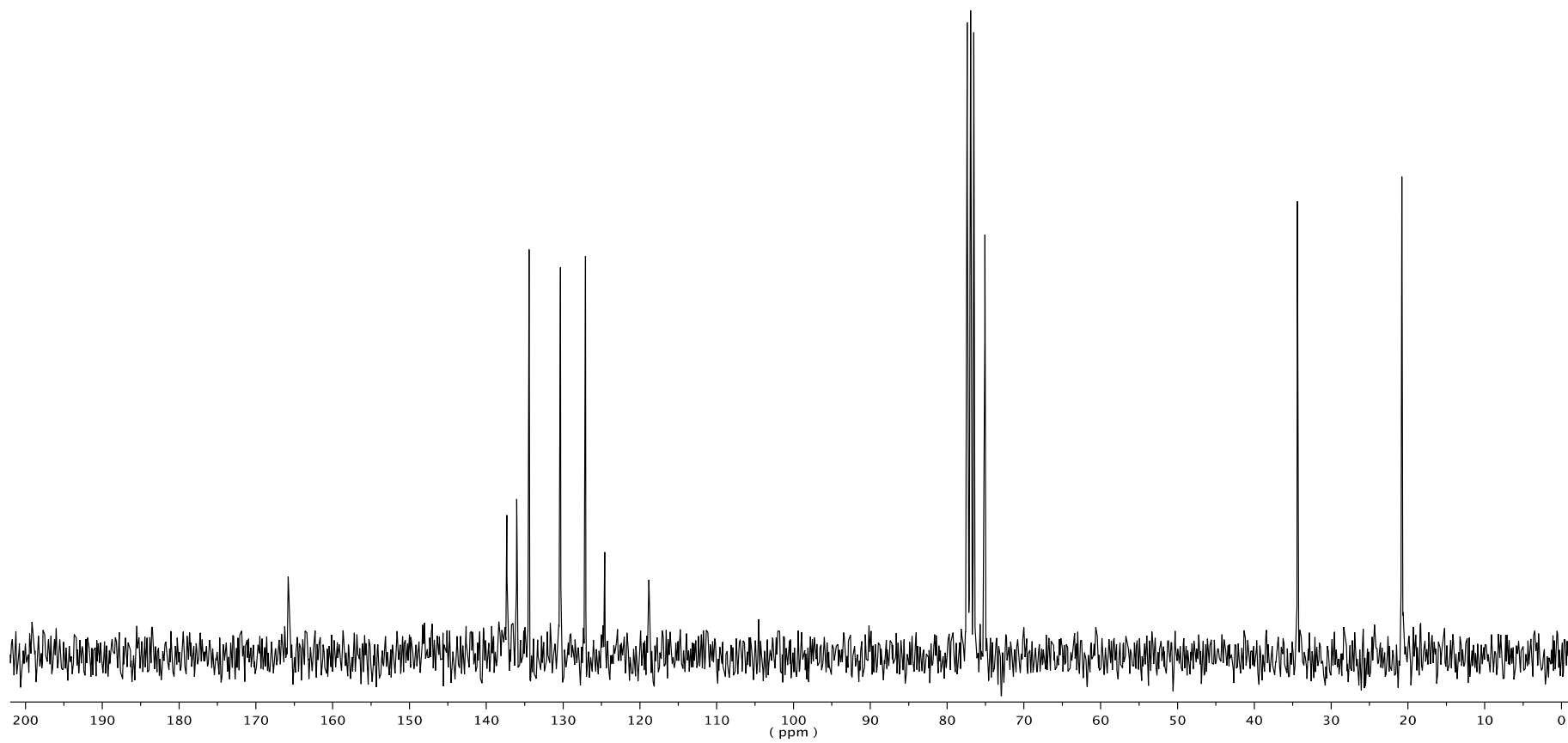
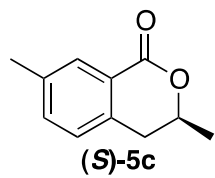


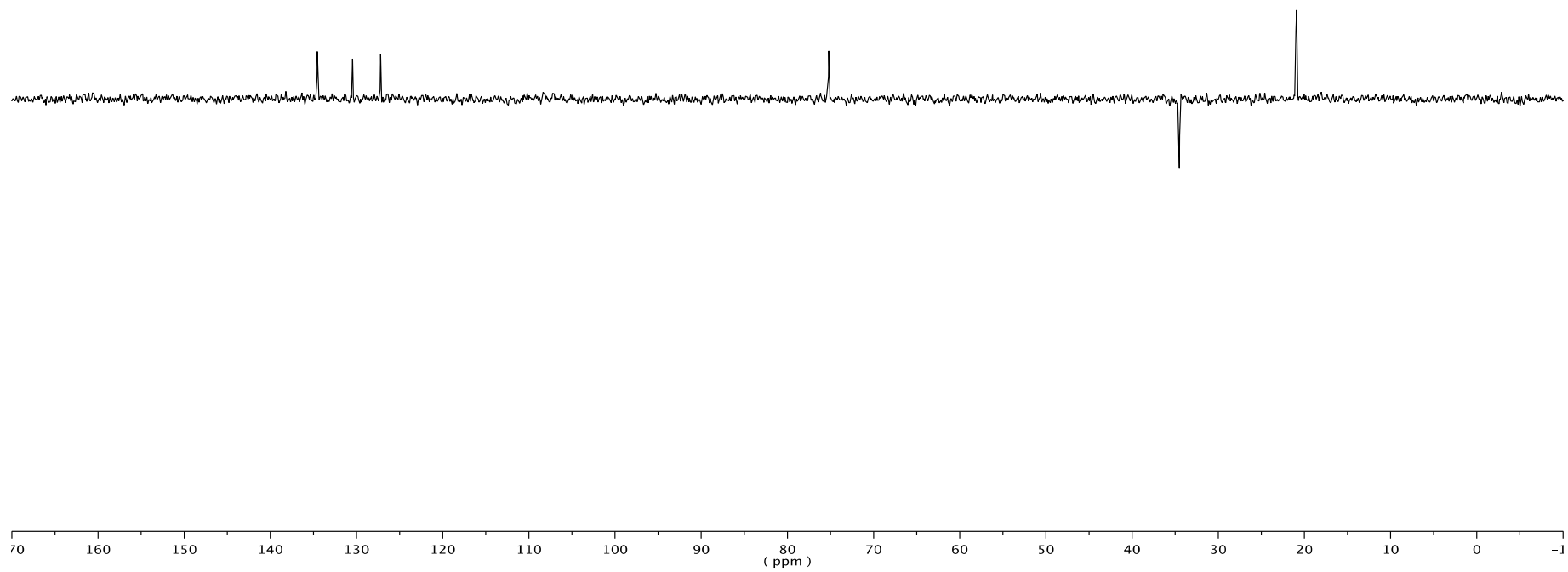
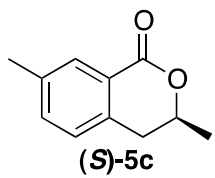
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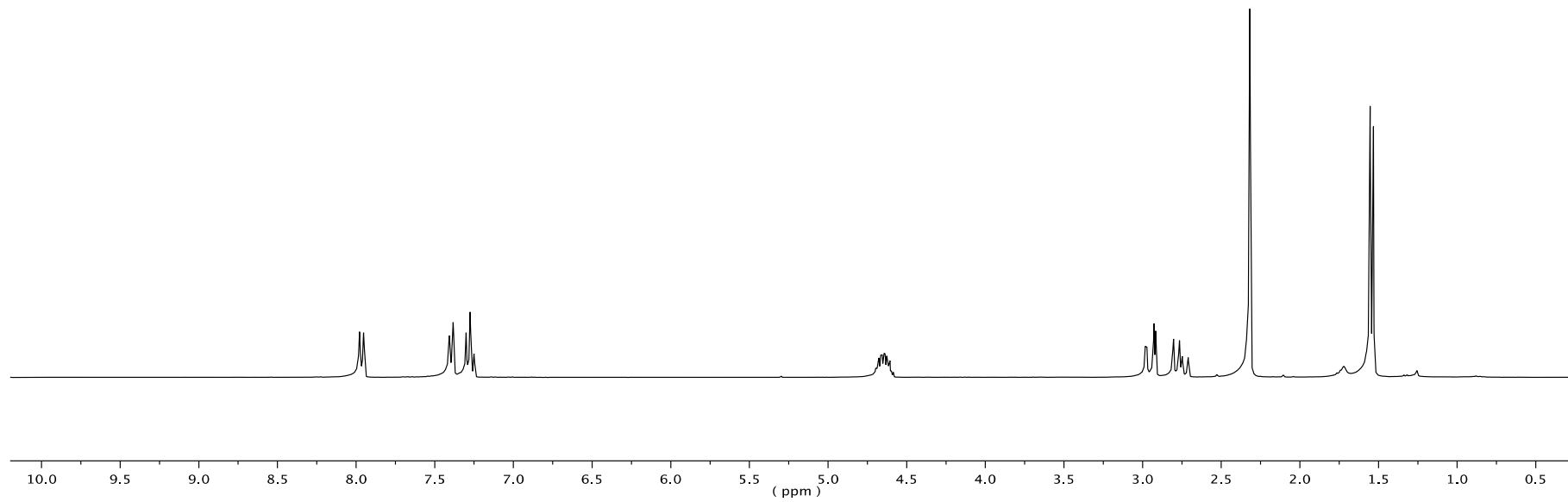
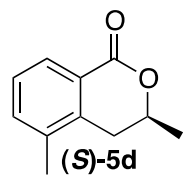




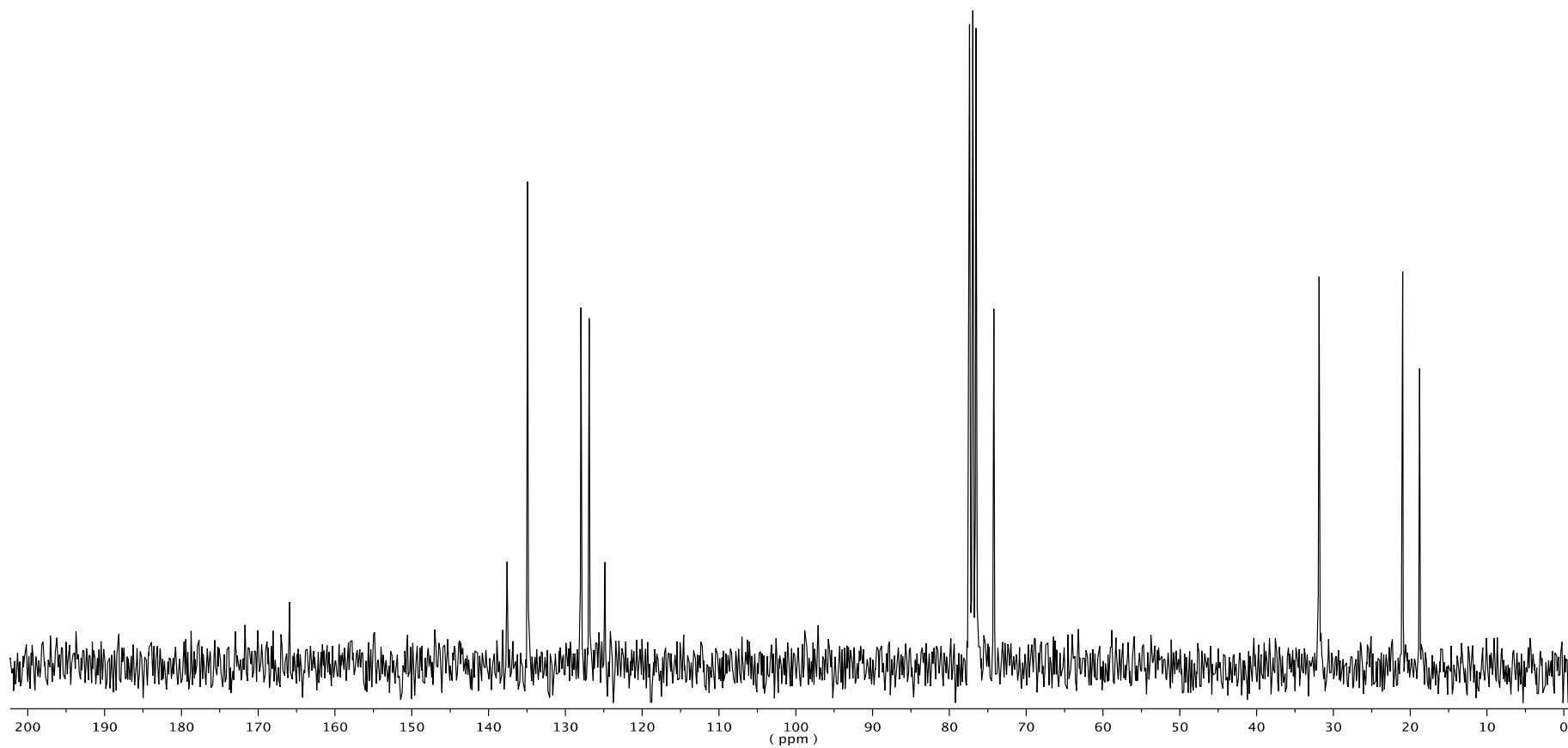
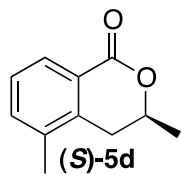


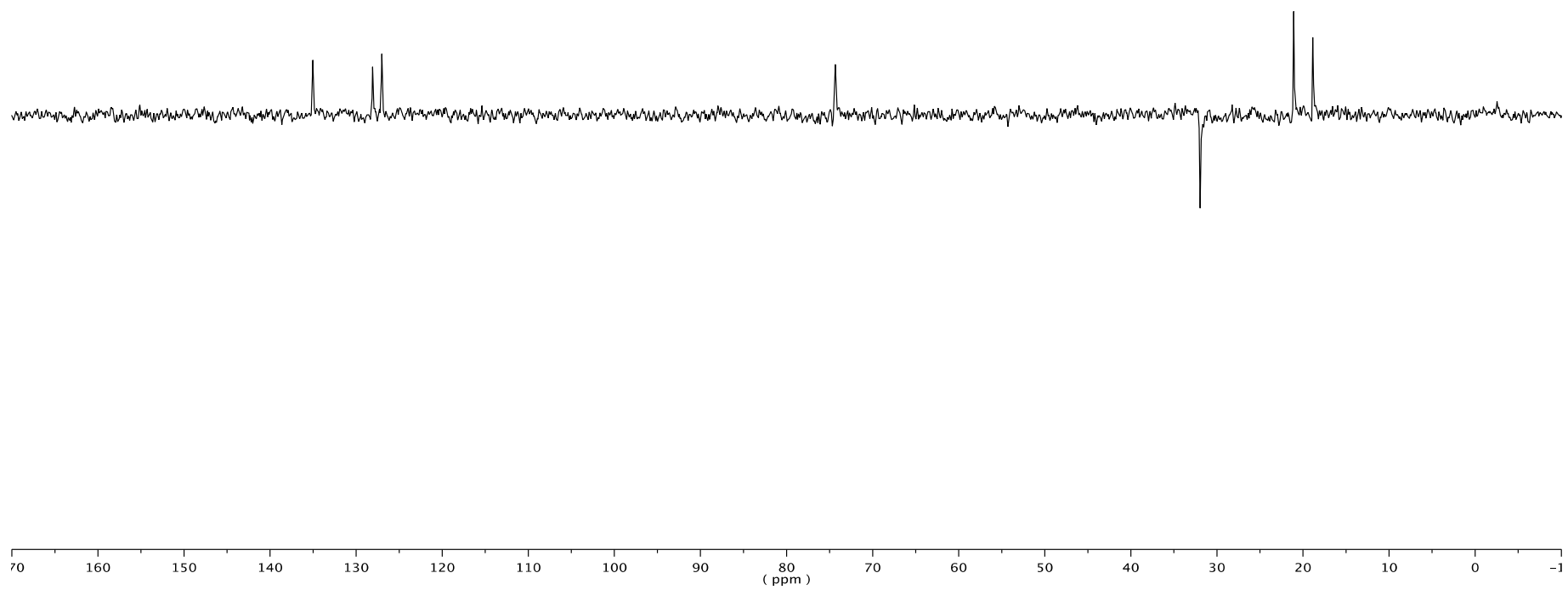
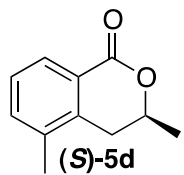


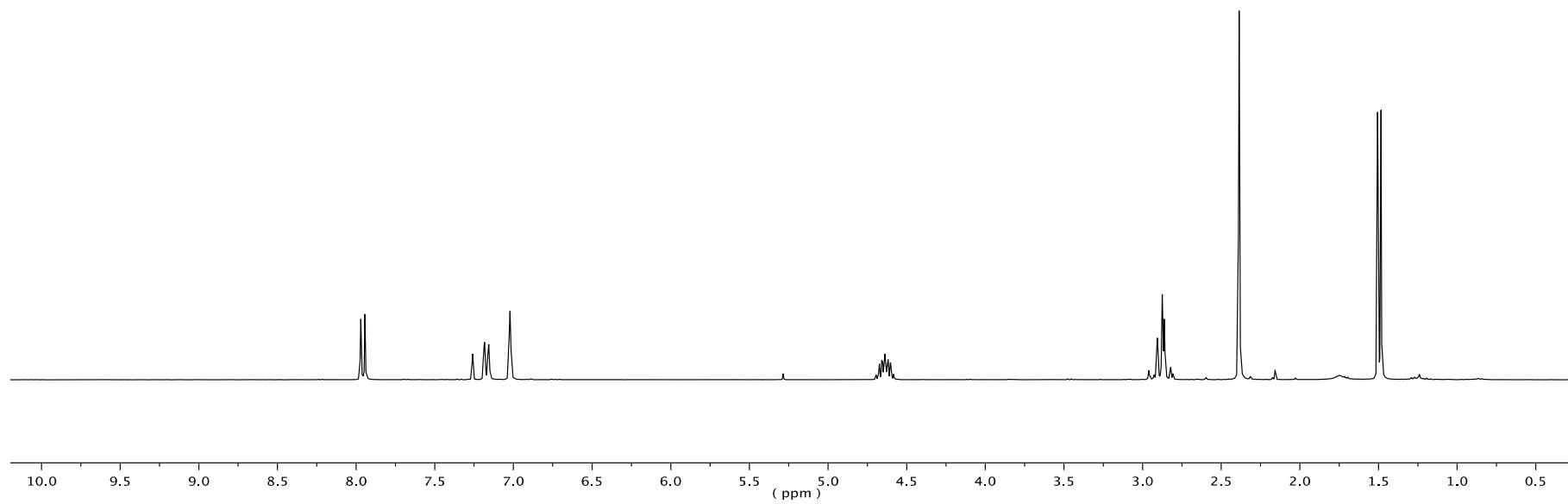
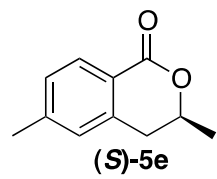


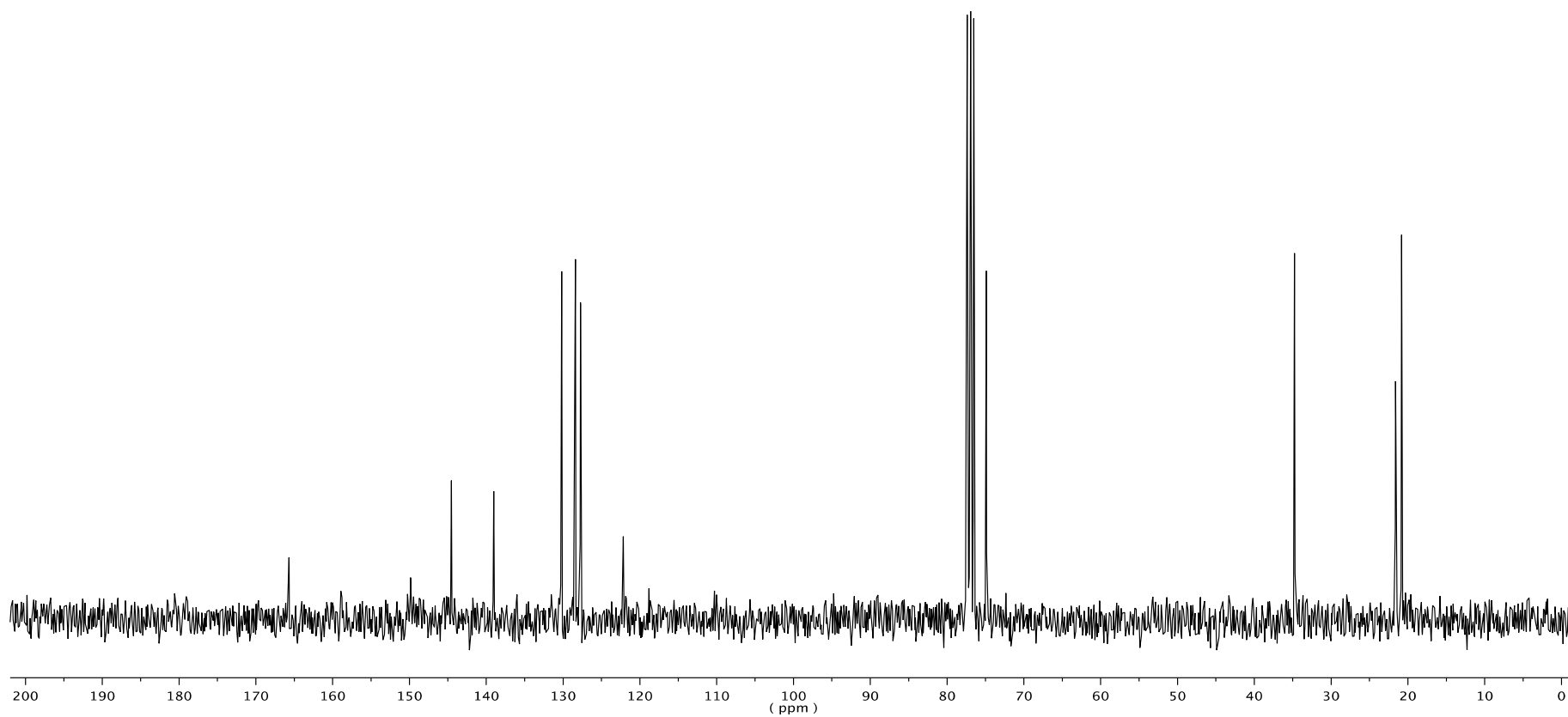
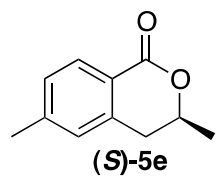


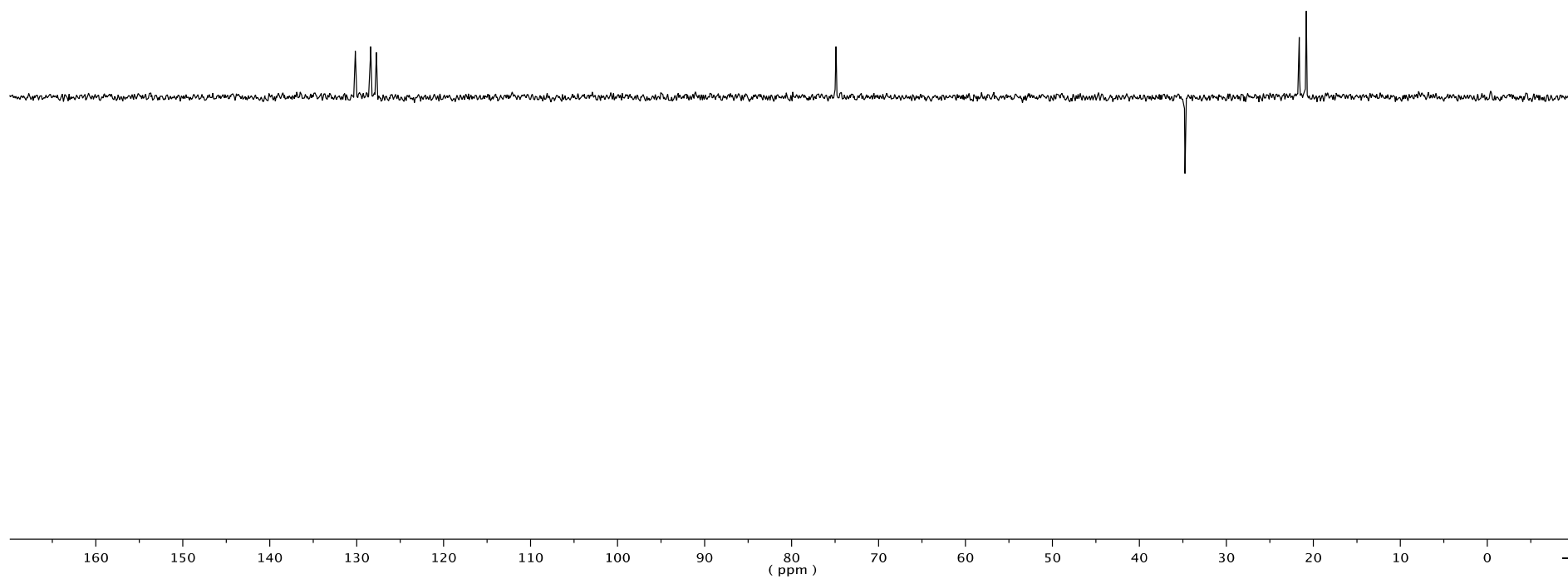
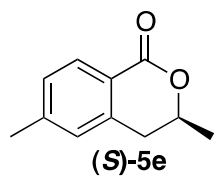
S66



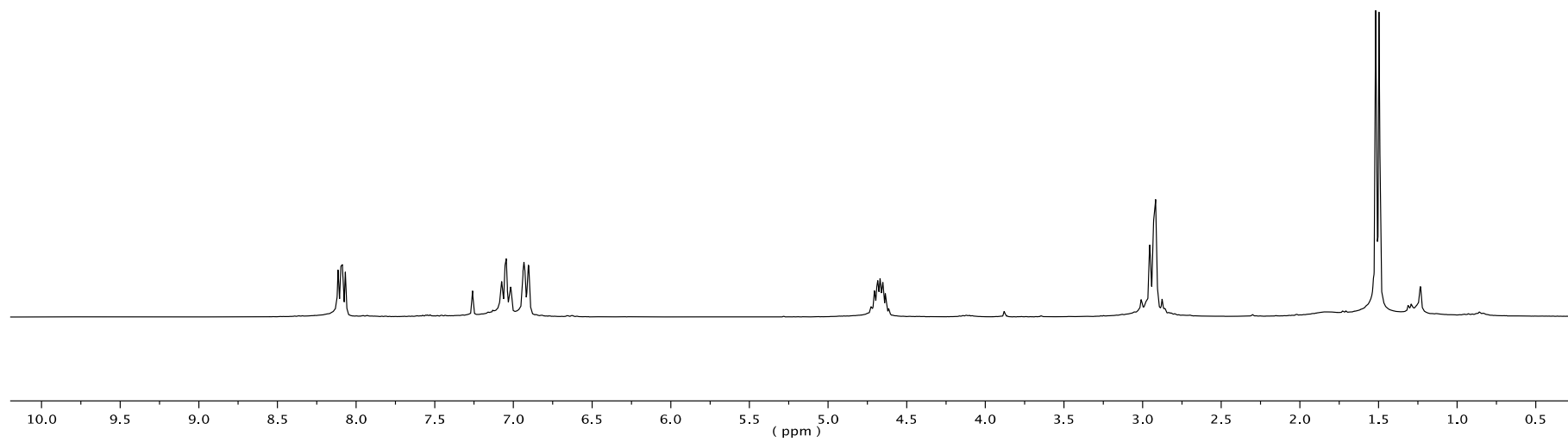
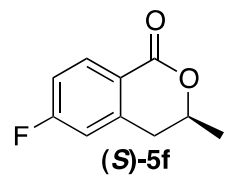


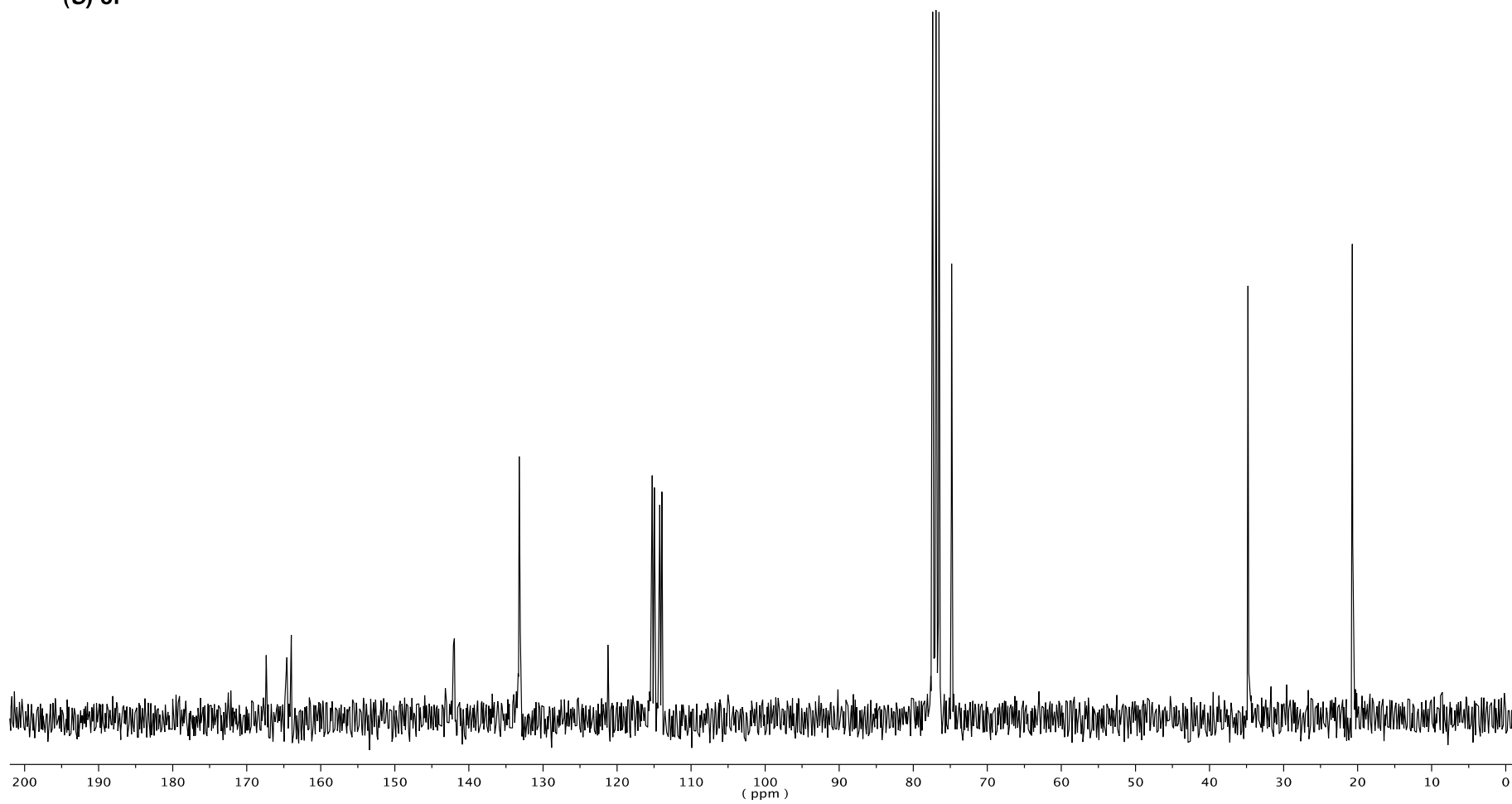
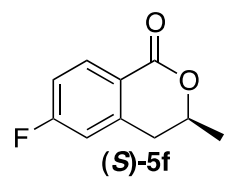


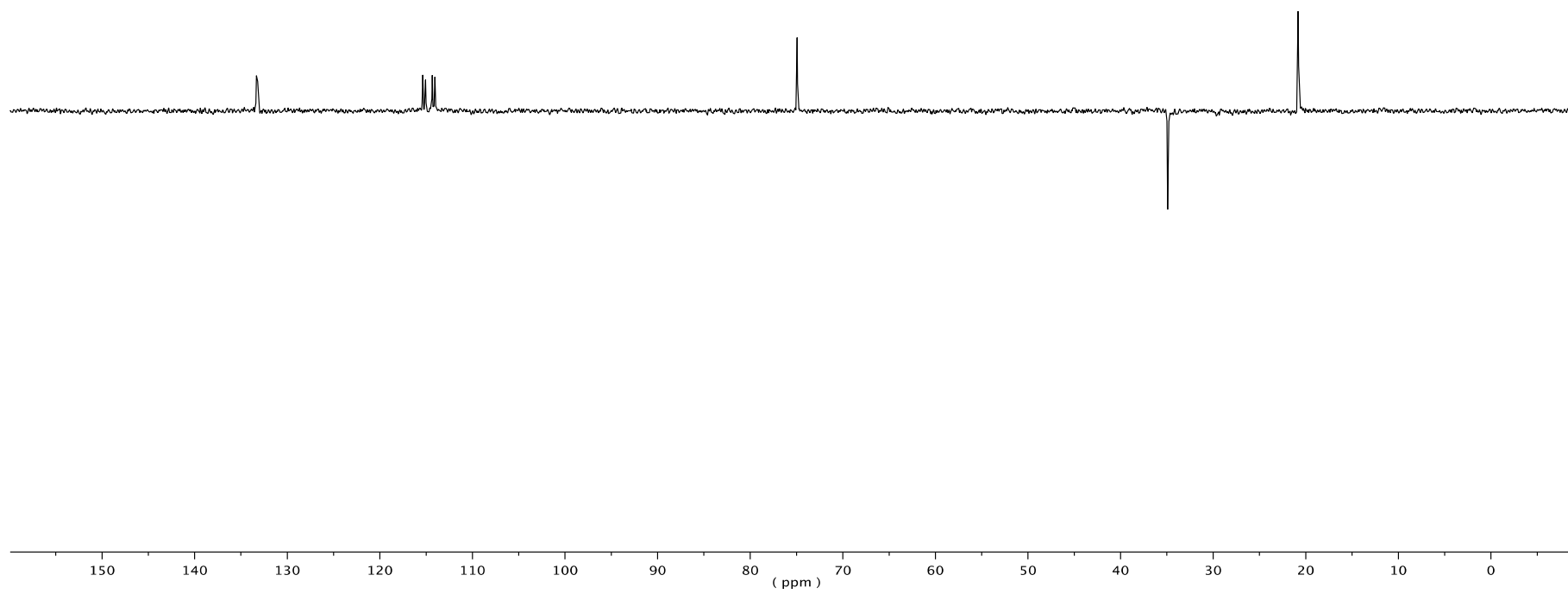
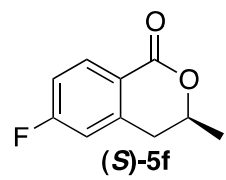


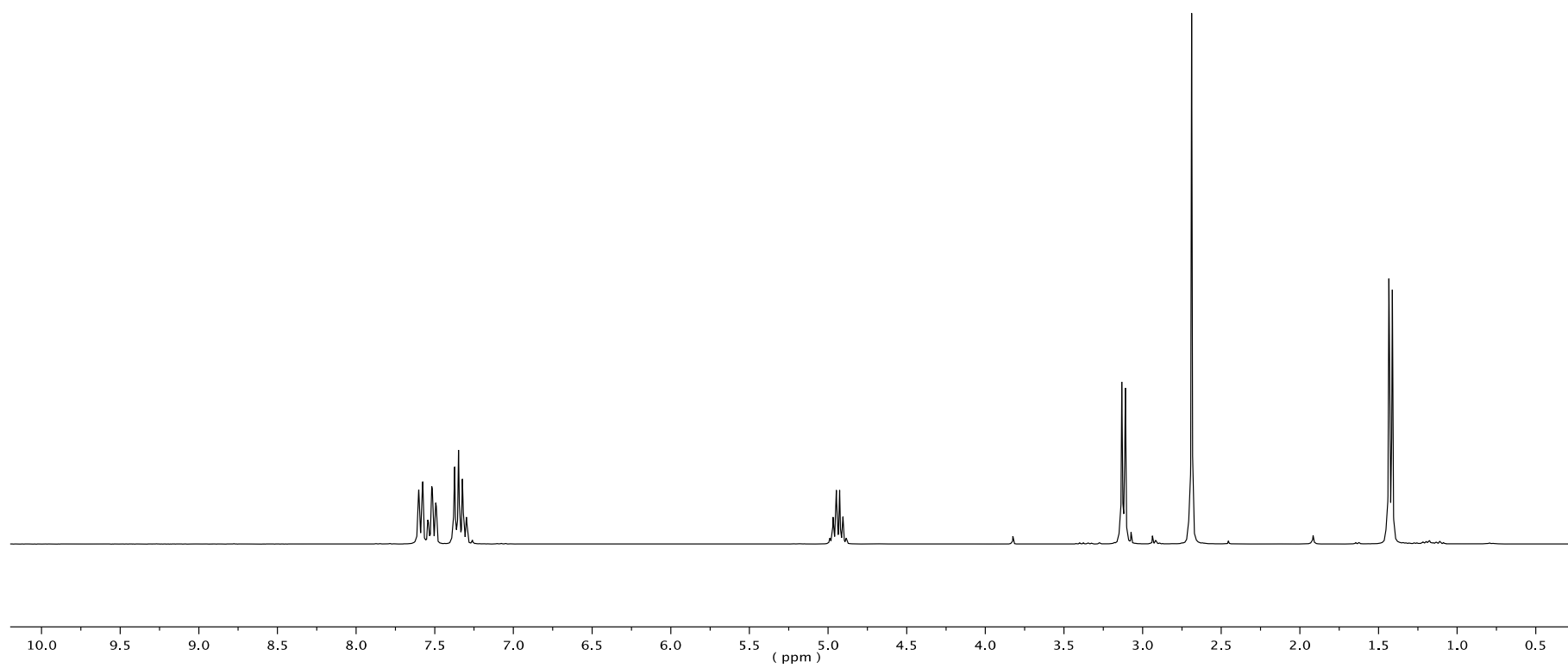
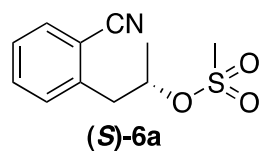


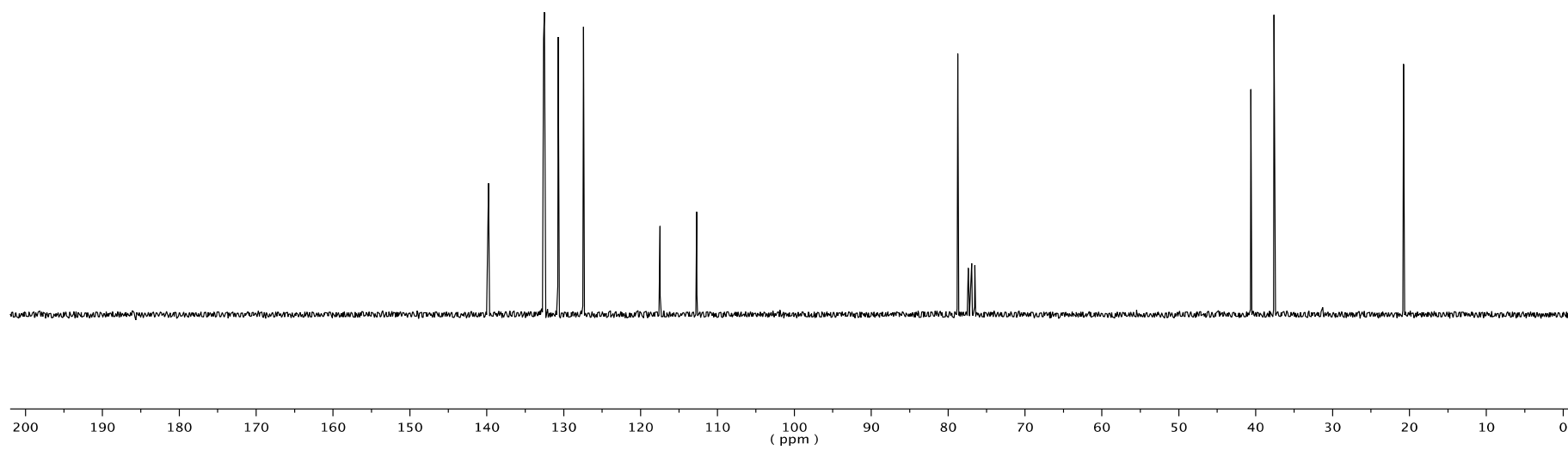
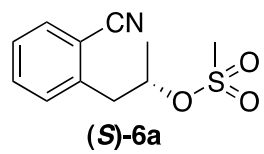
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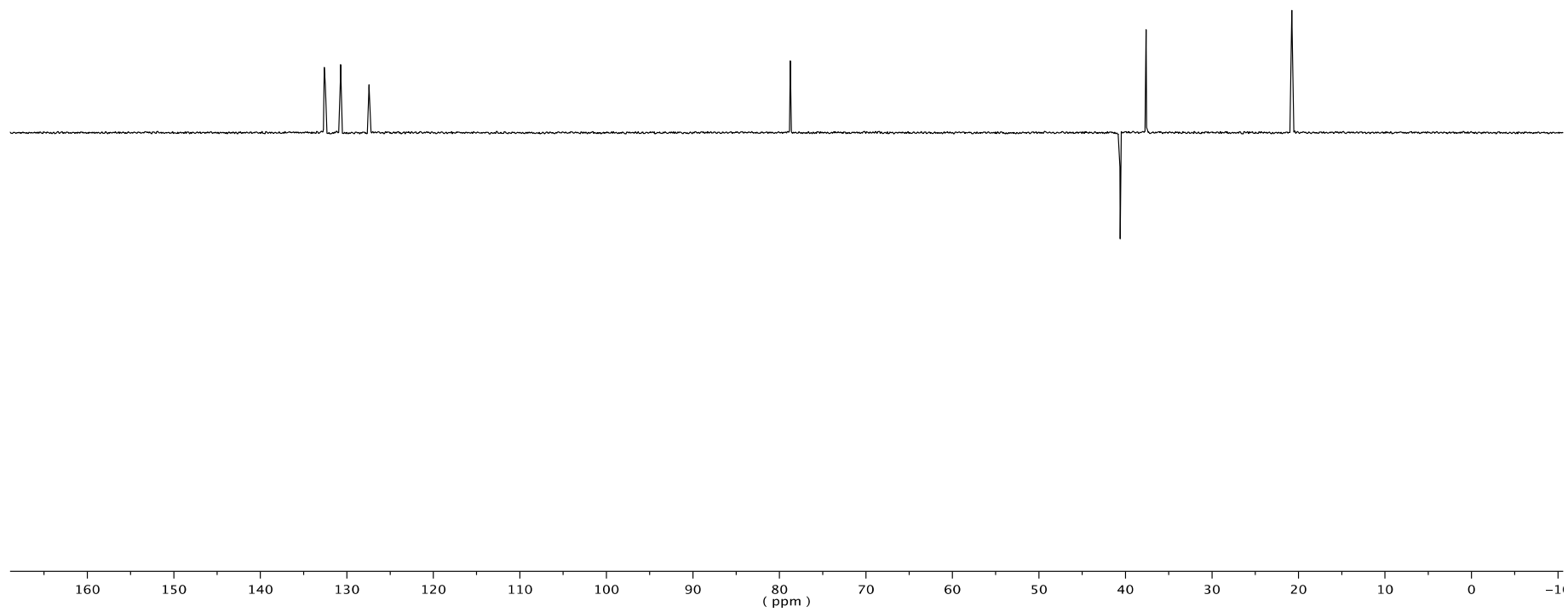
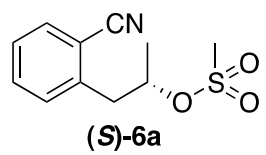


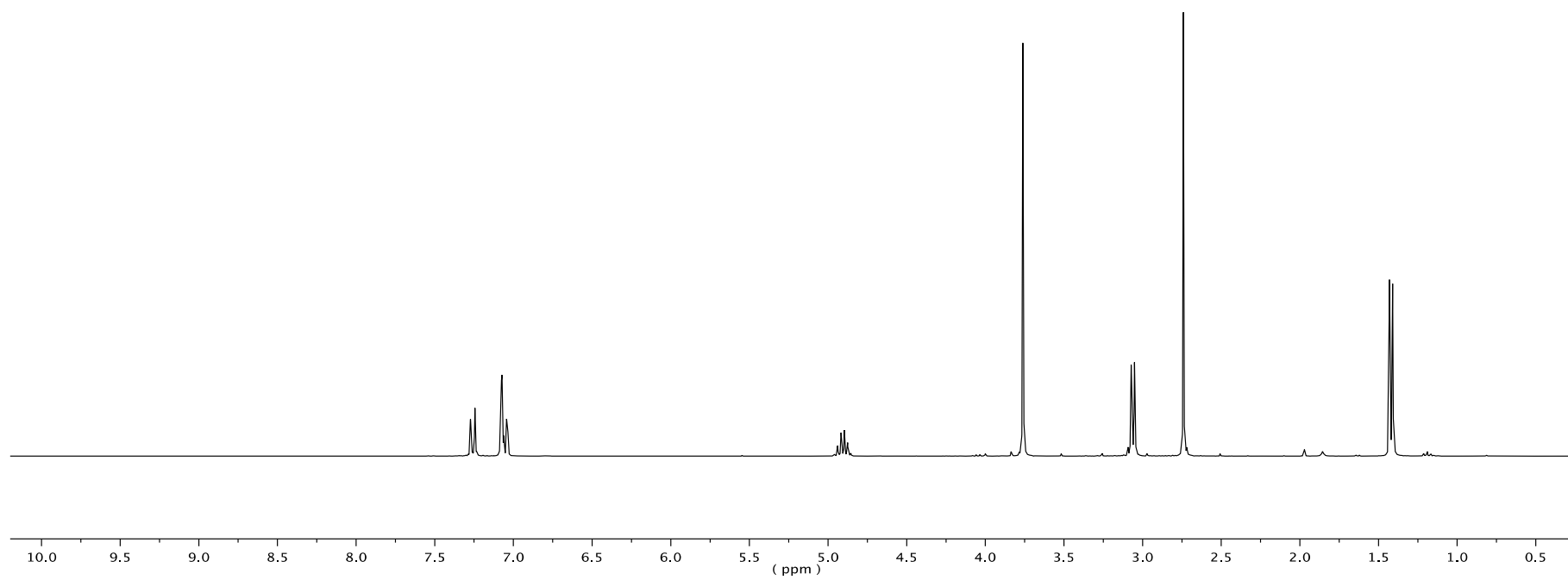
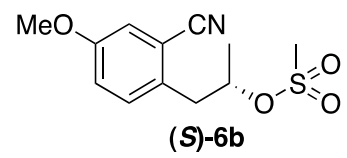


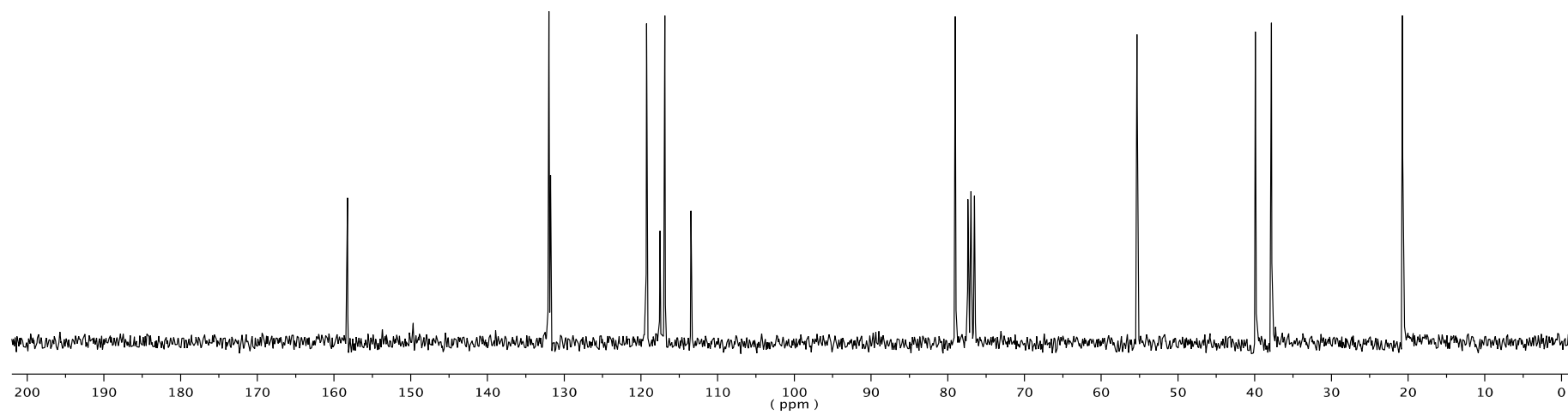
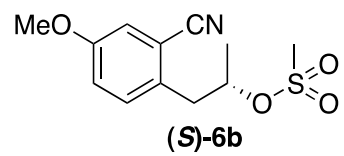


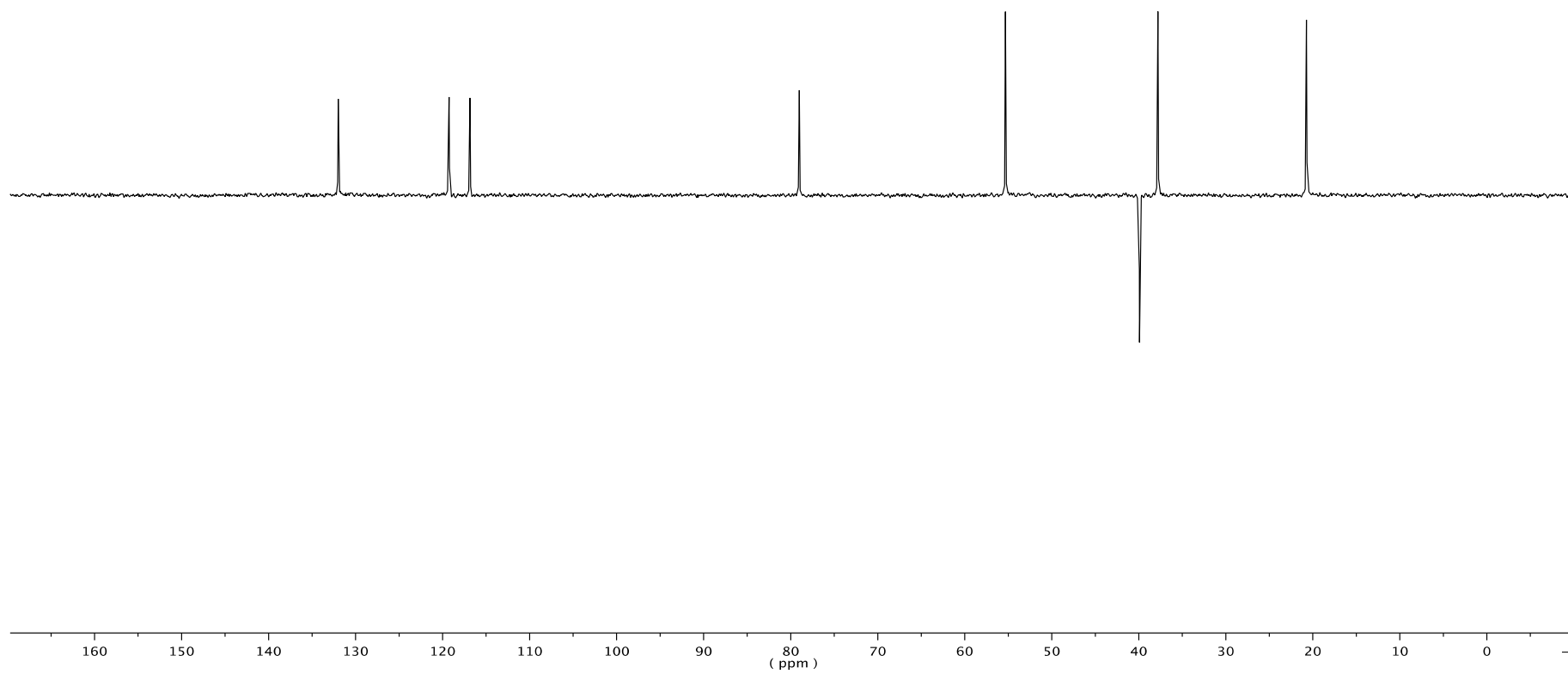
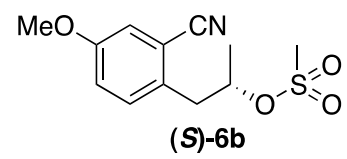




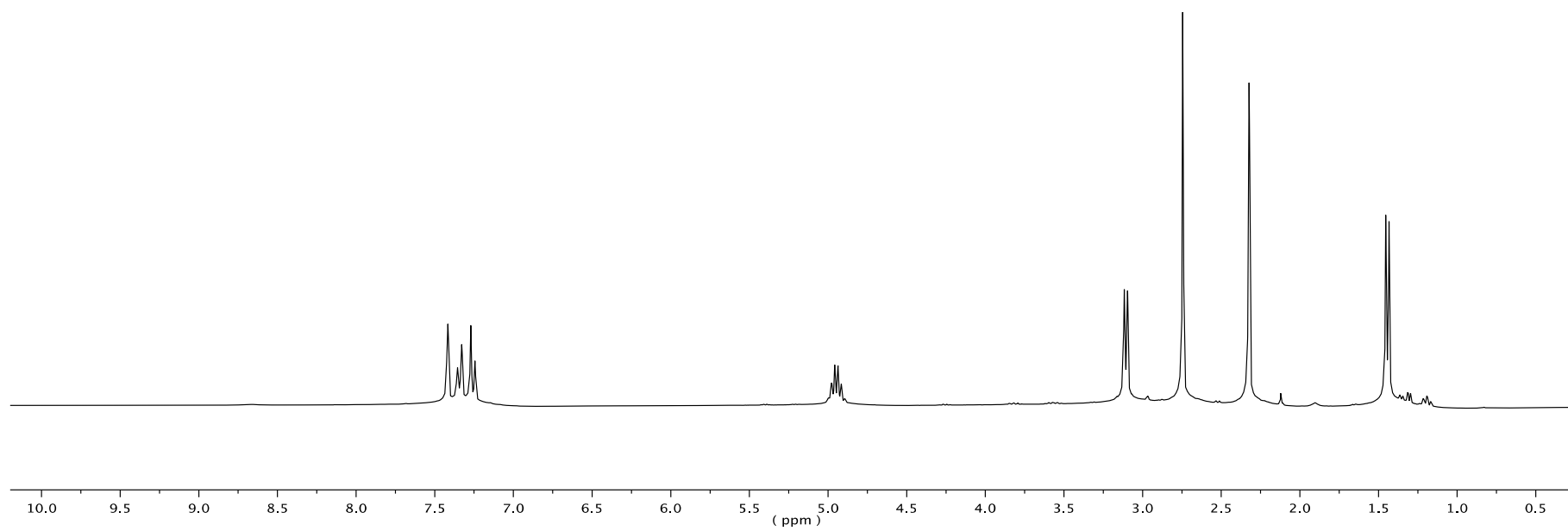
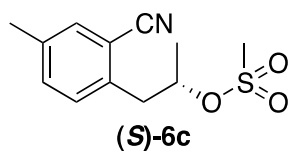




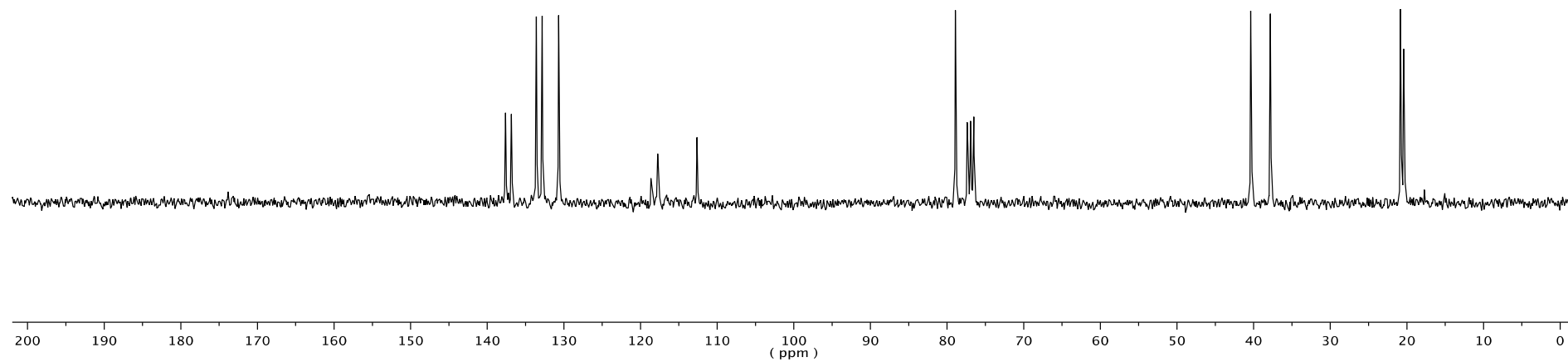
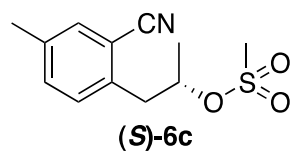


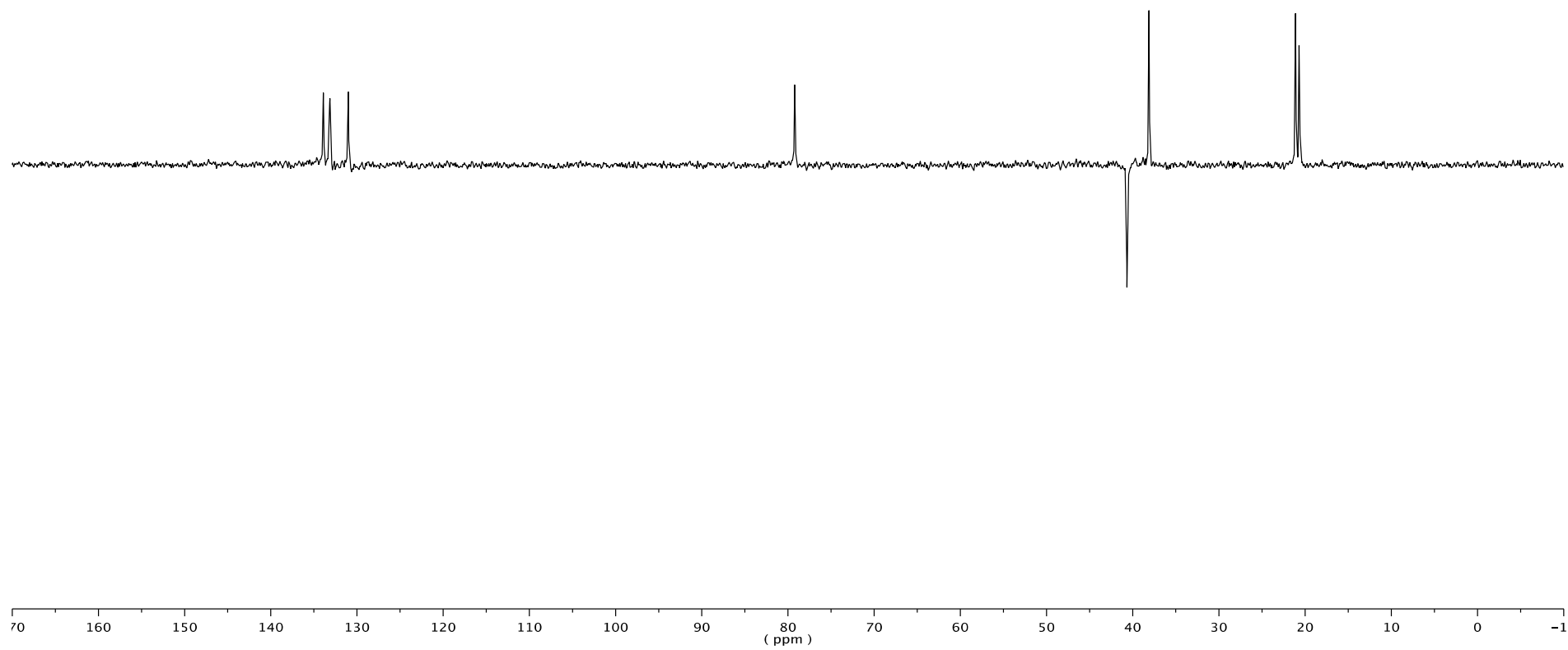
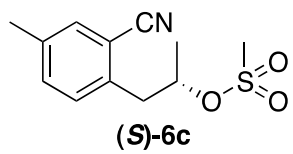


S80

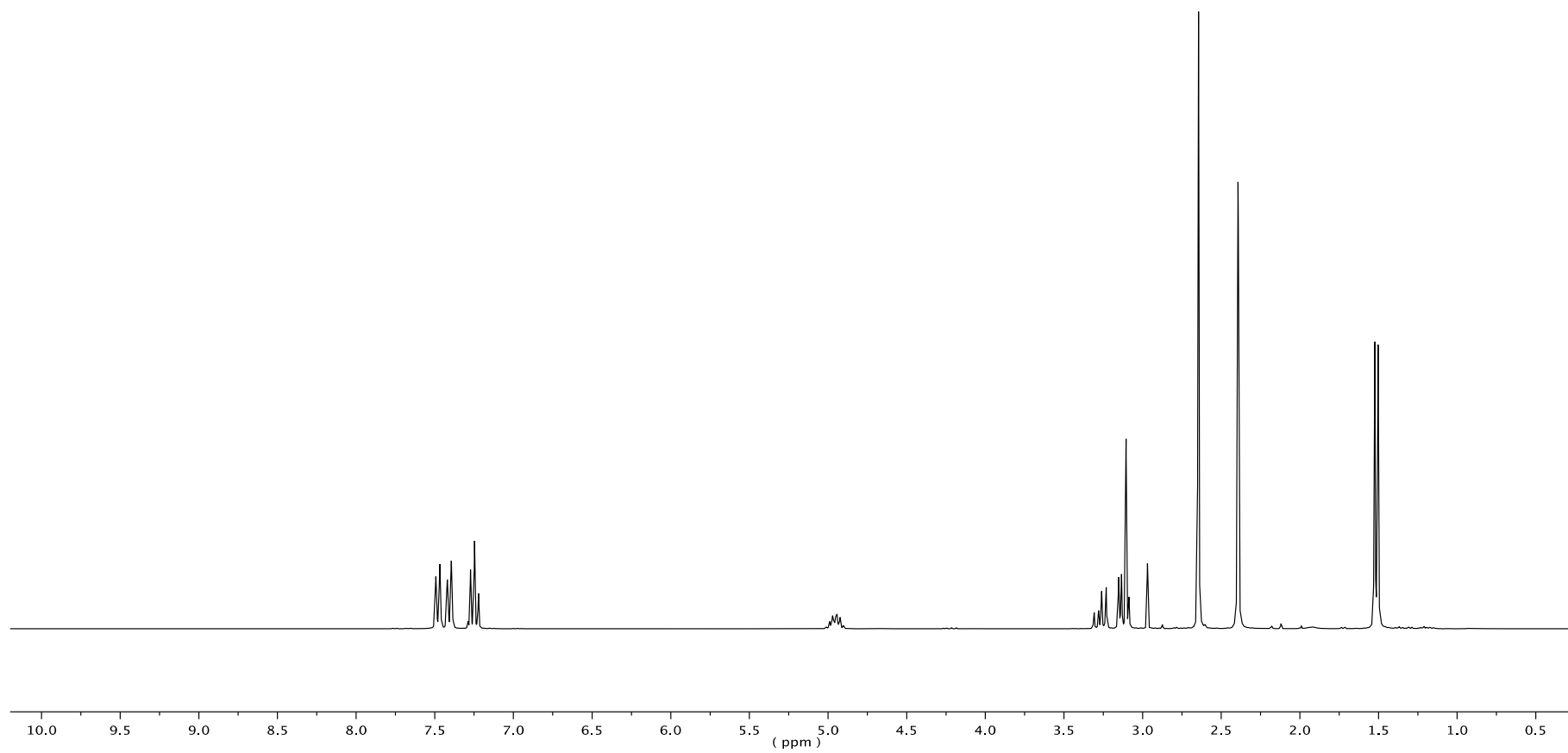
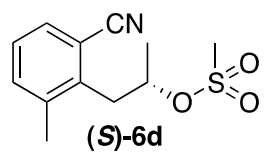


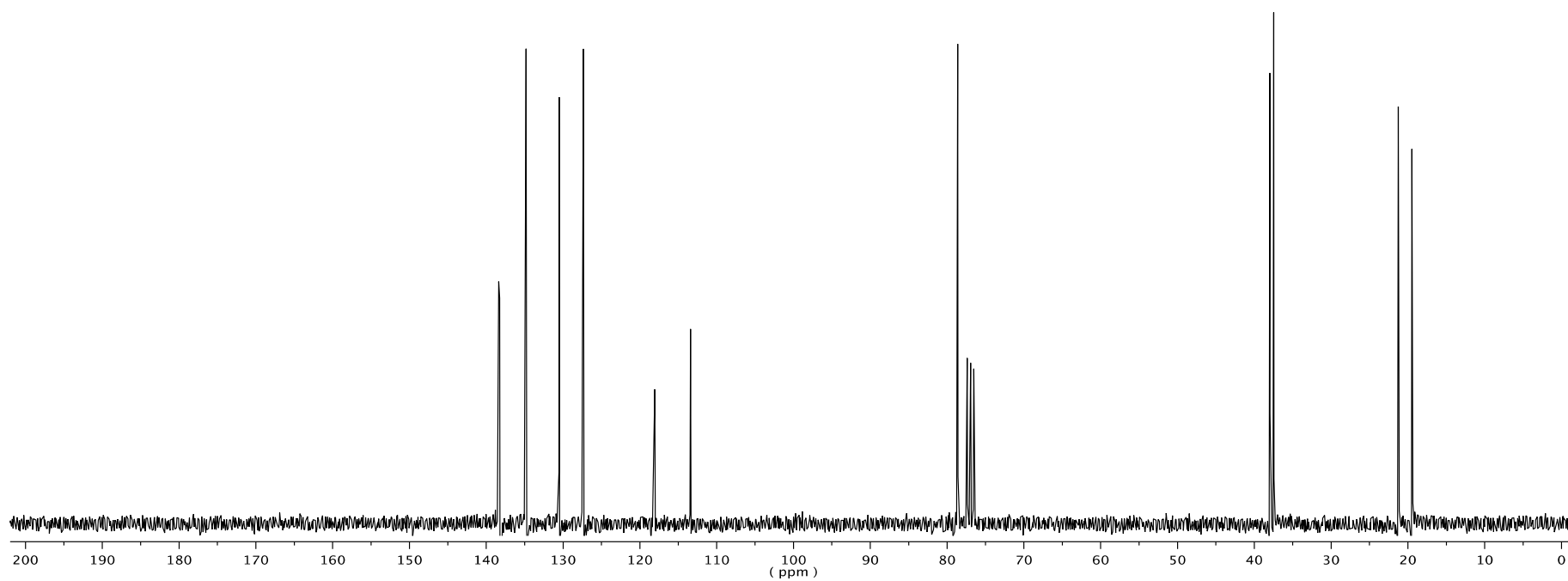
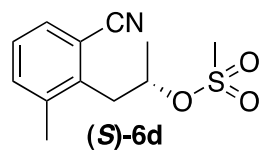
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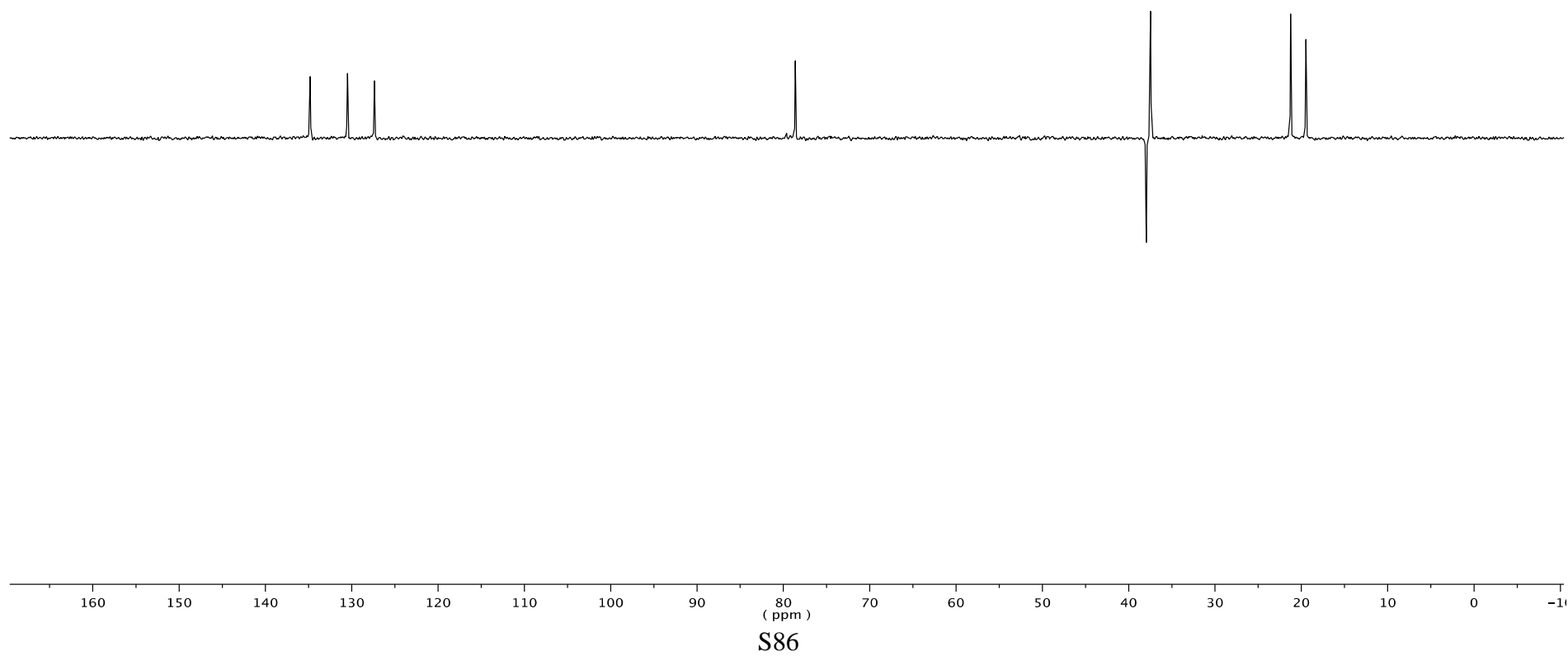
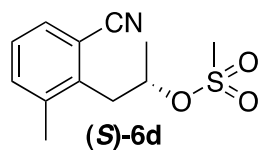


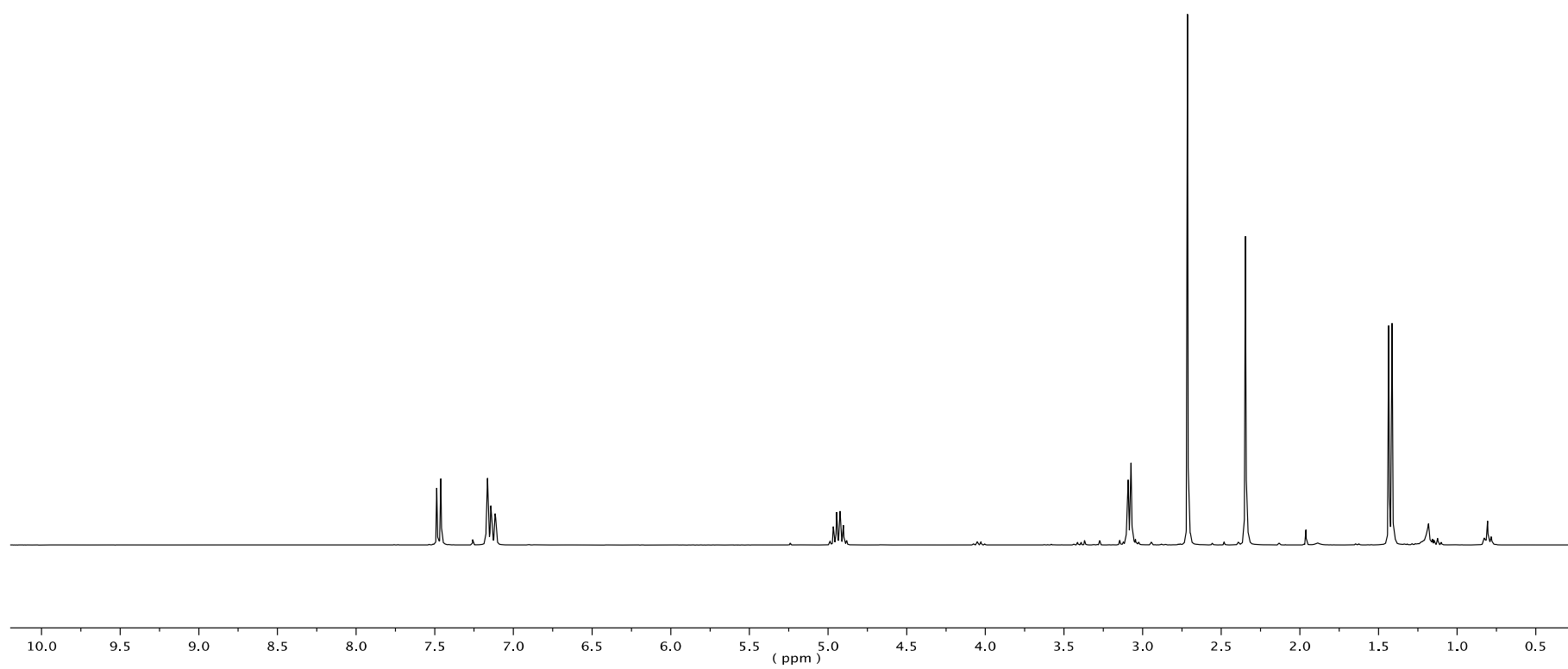
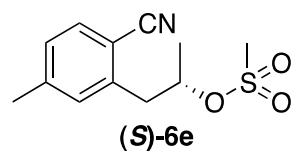


S83

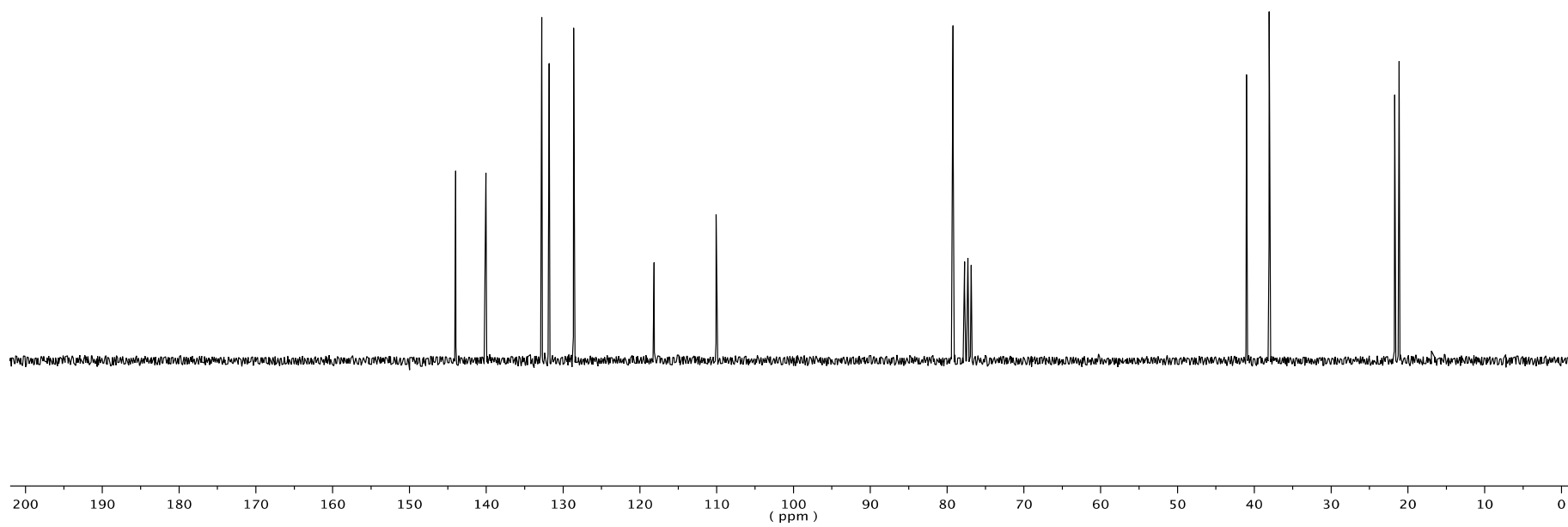
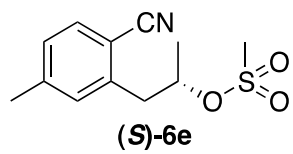


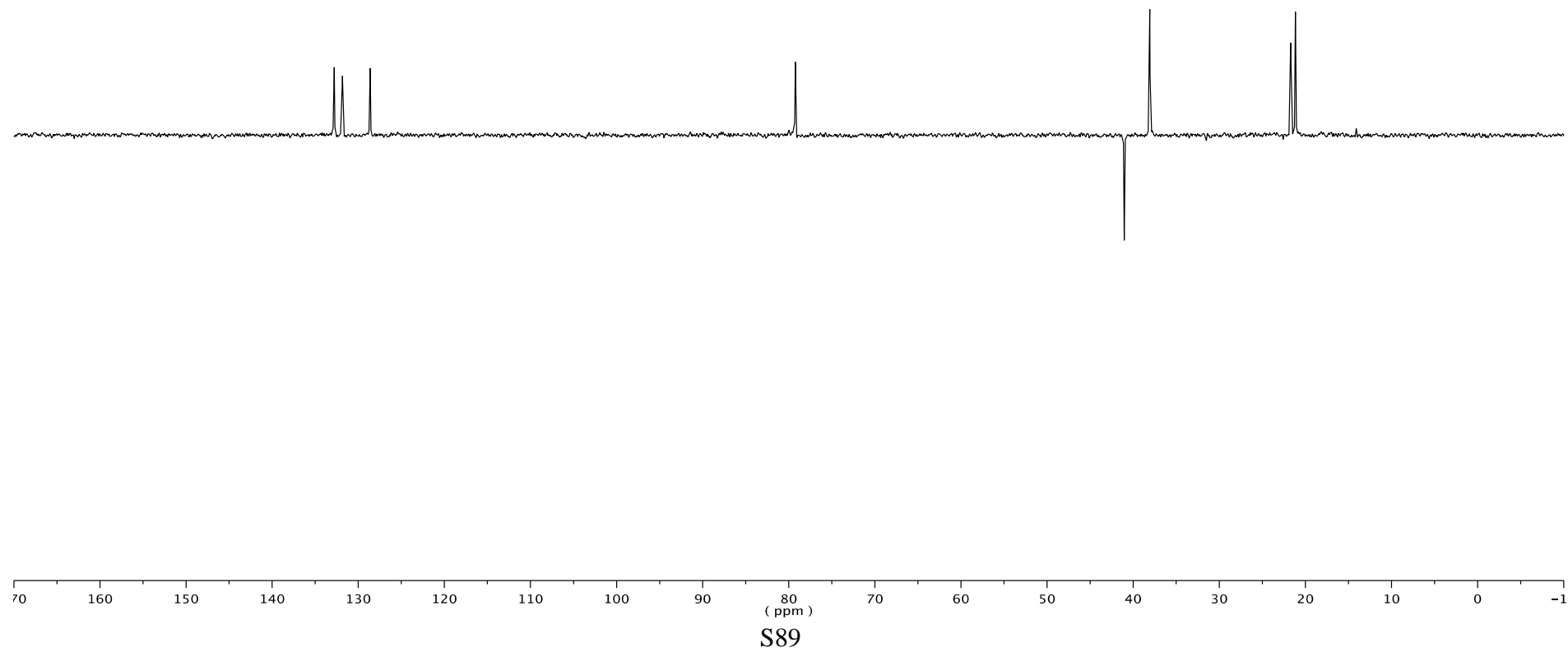
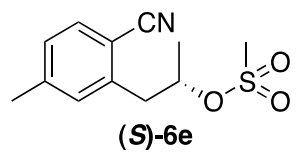


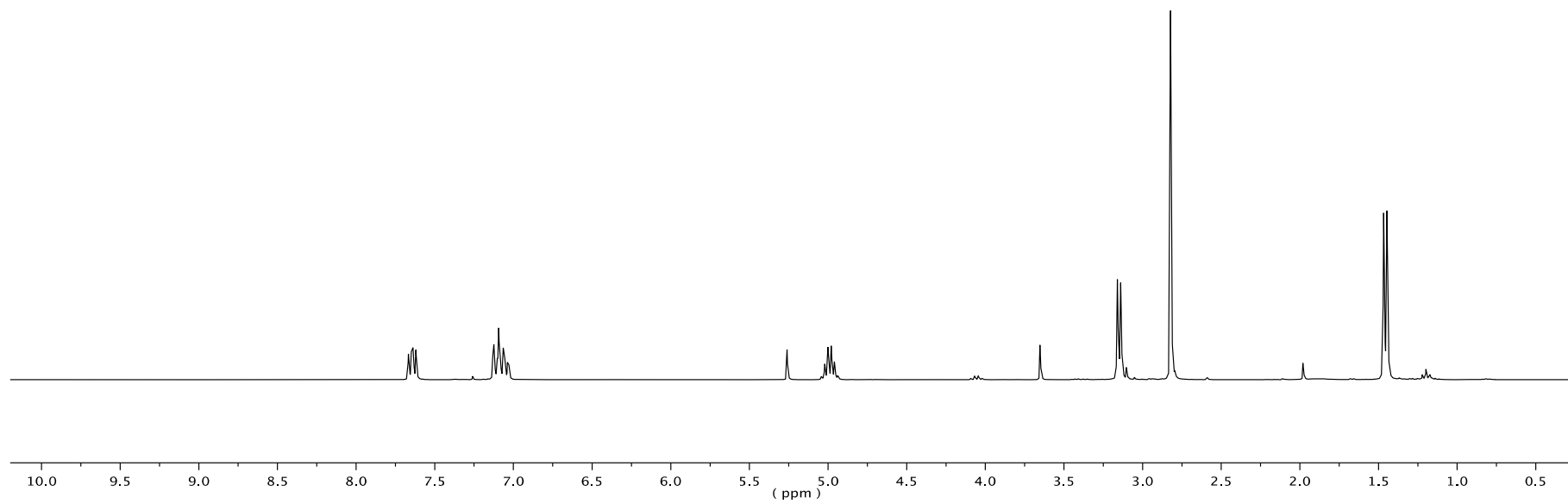
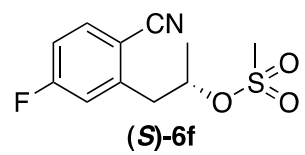




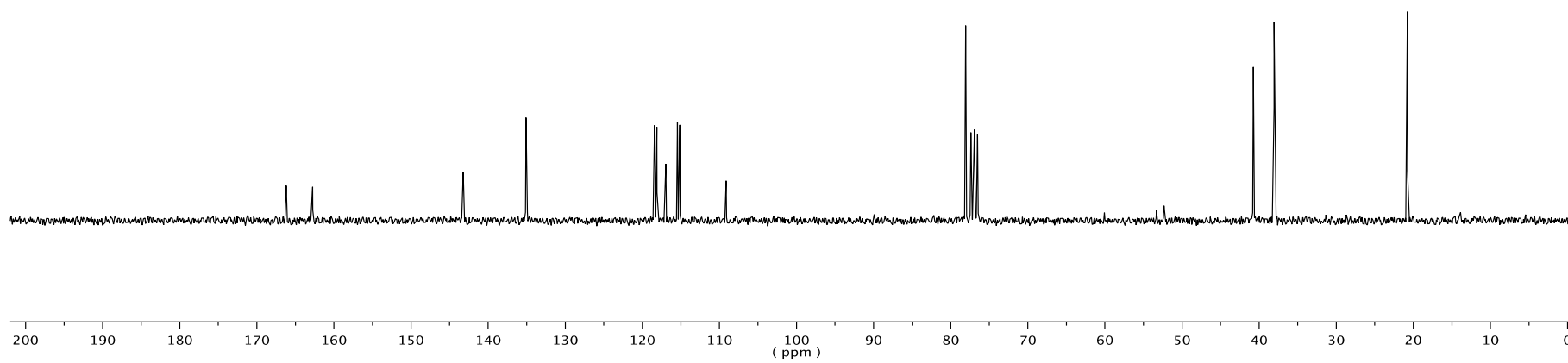
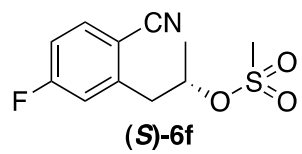
S87

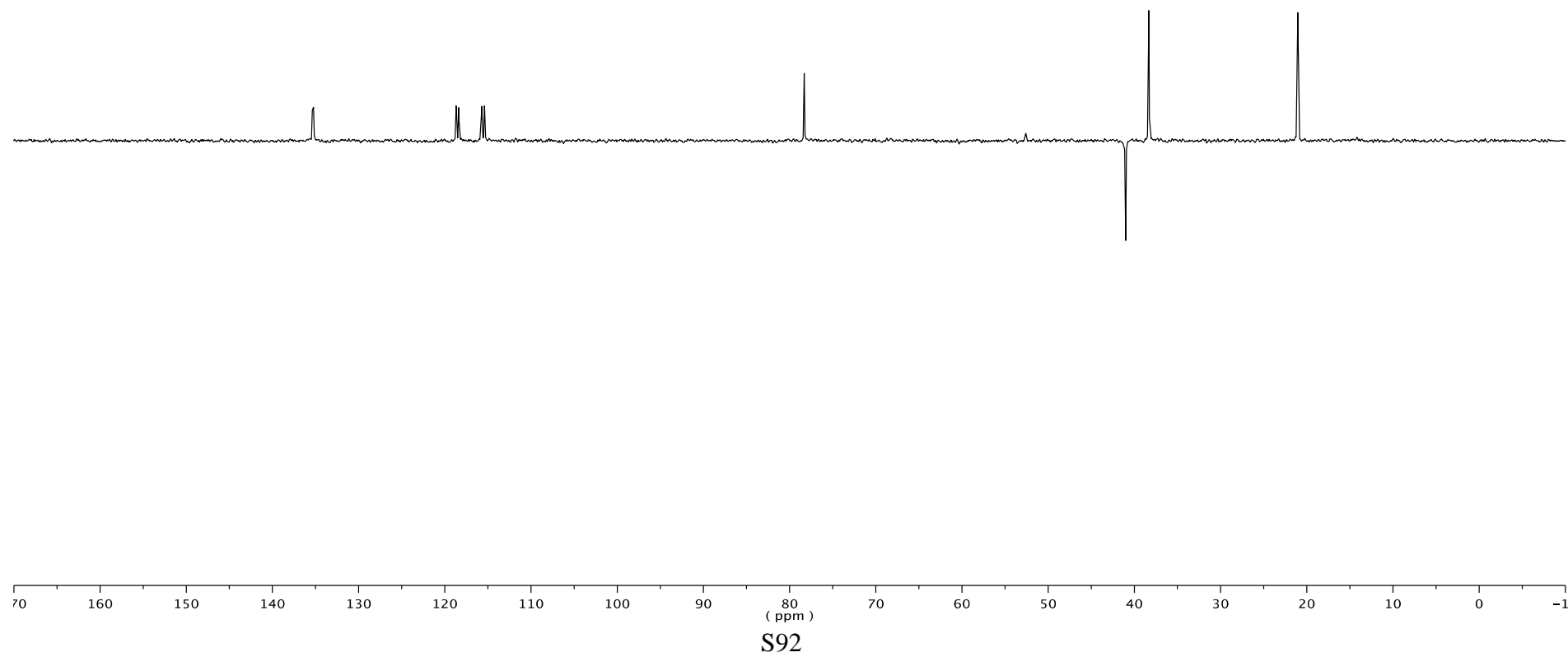
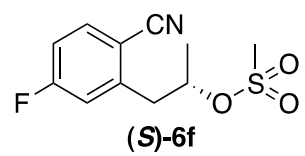


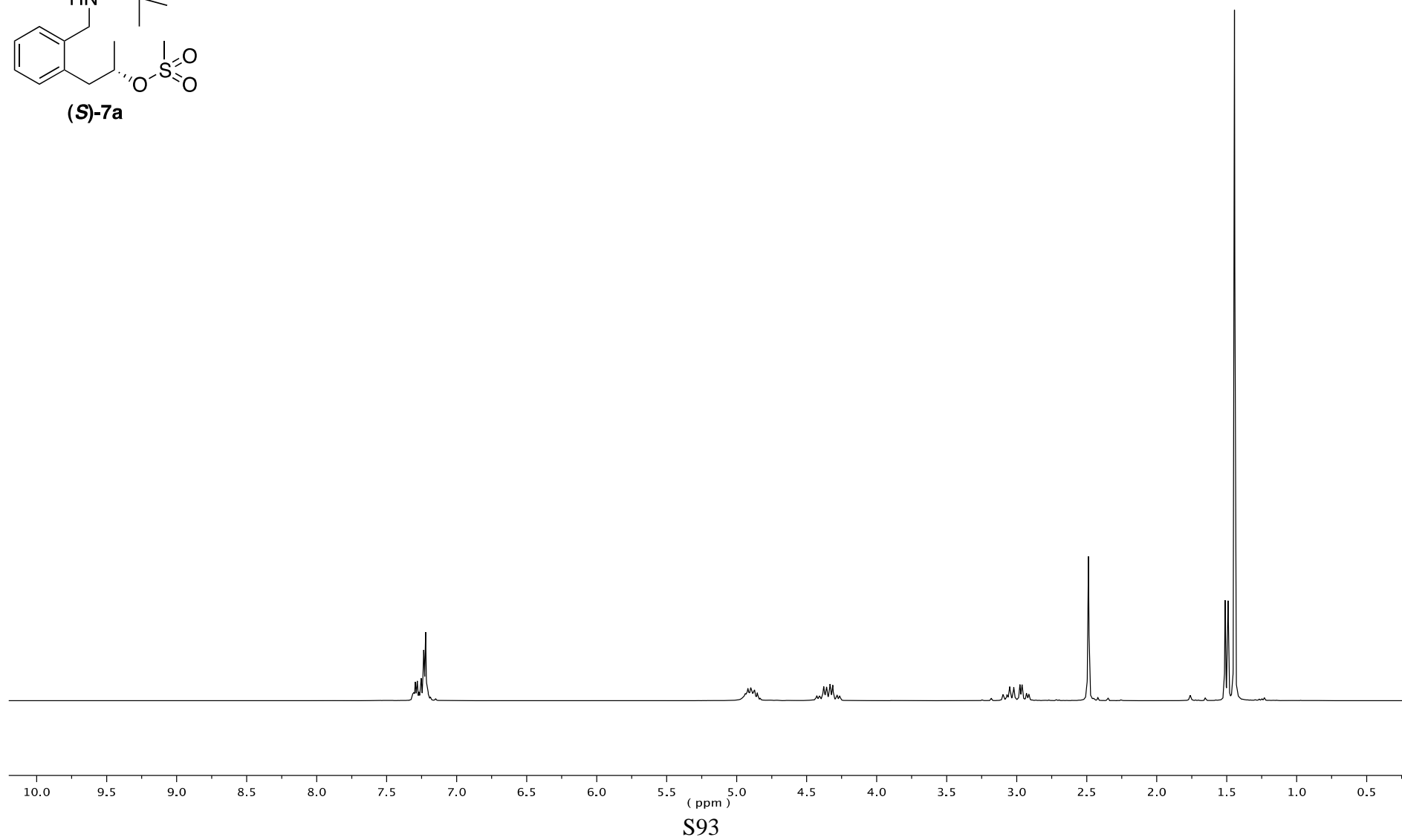
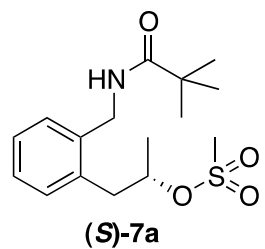


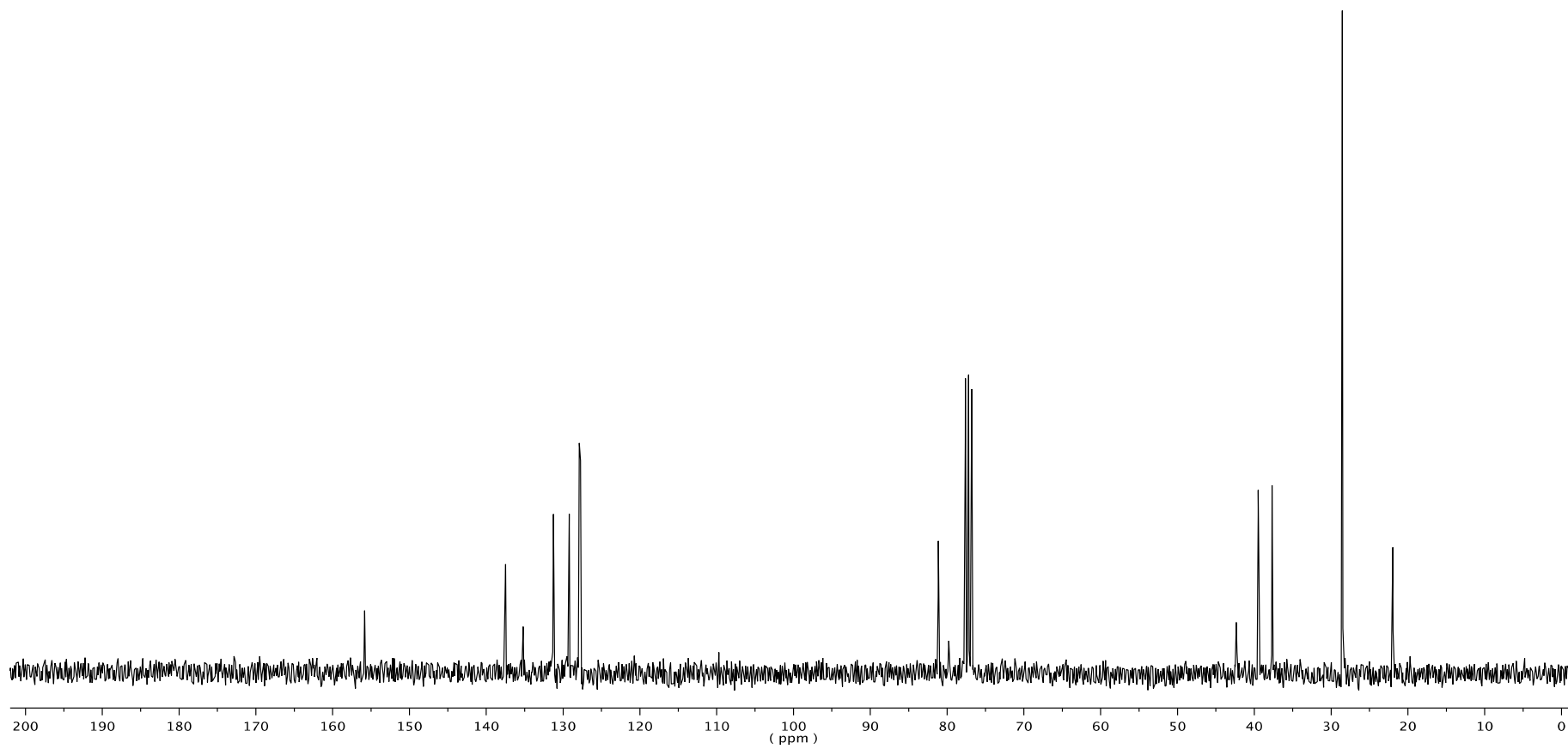
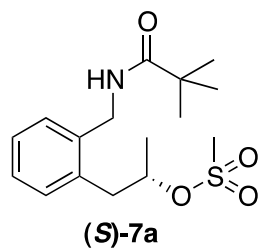


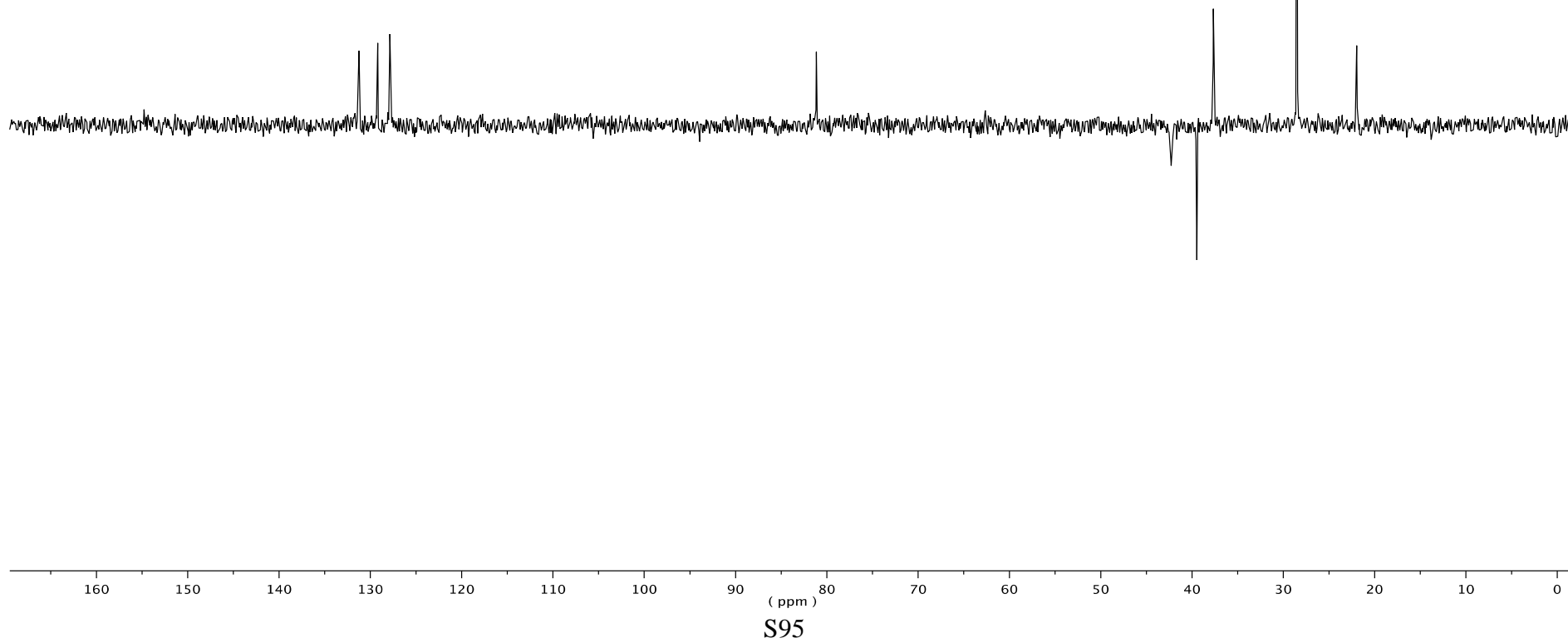
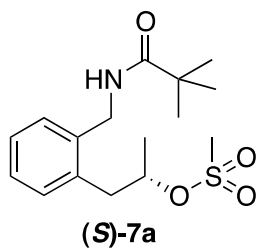
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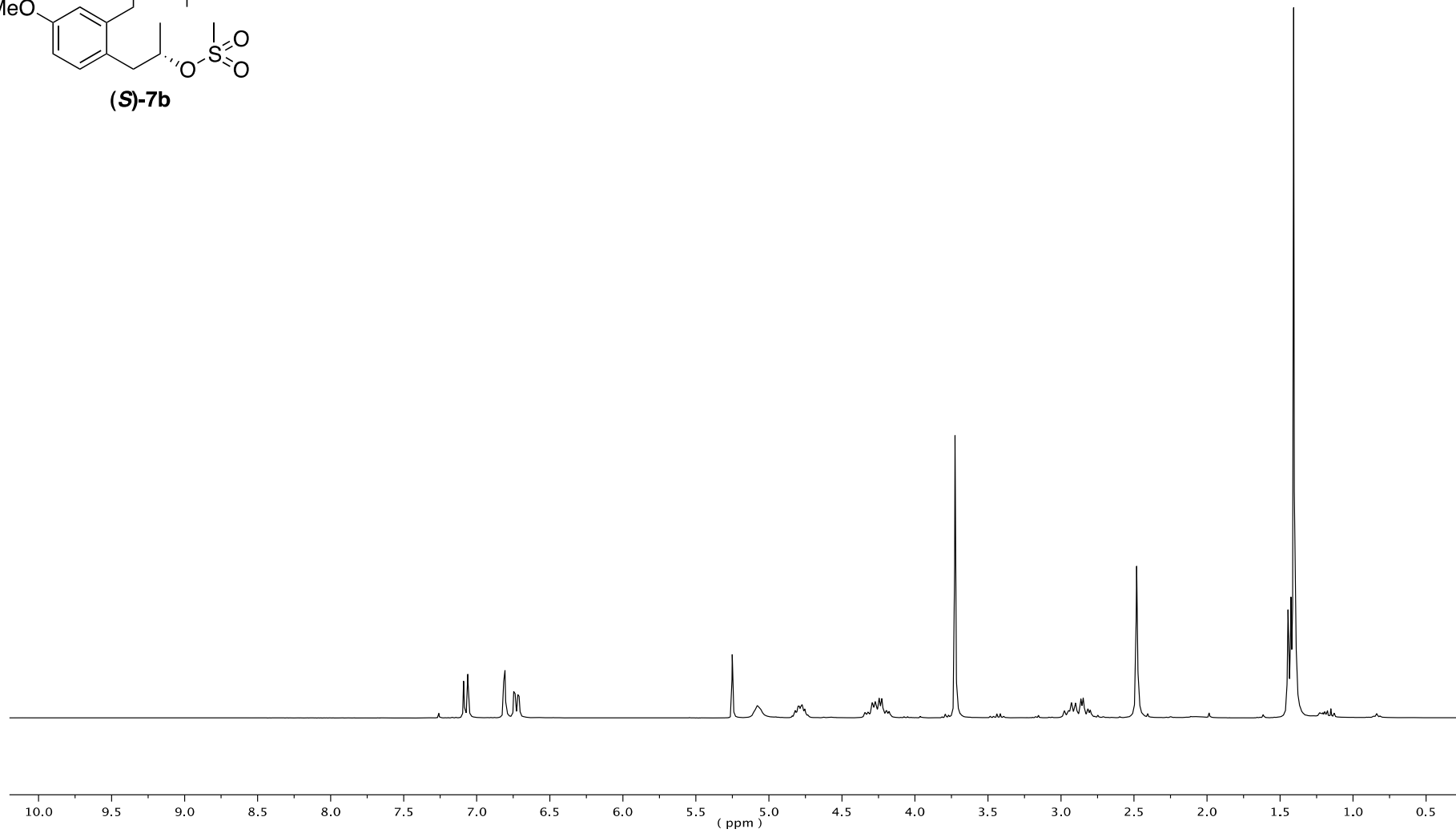
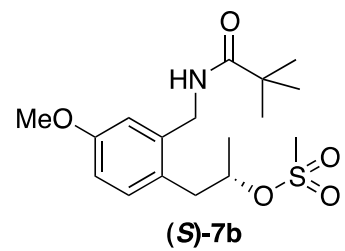


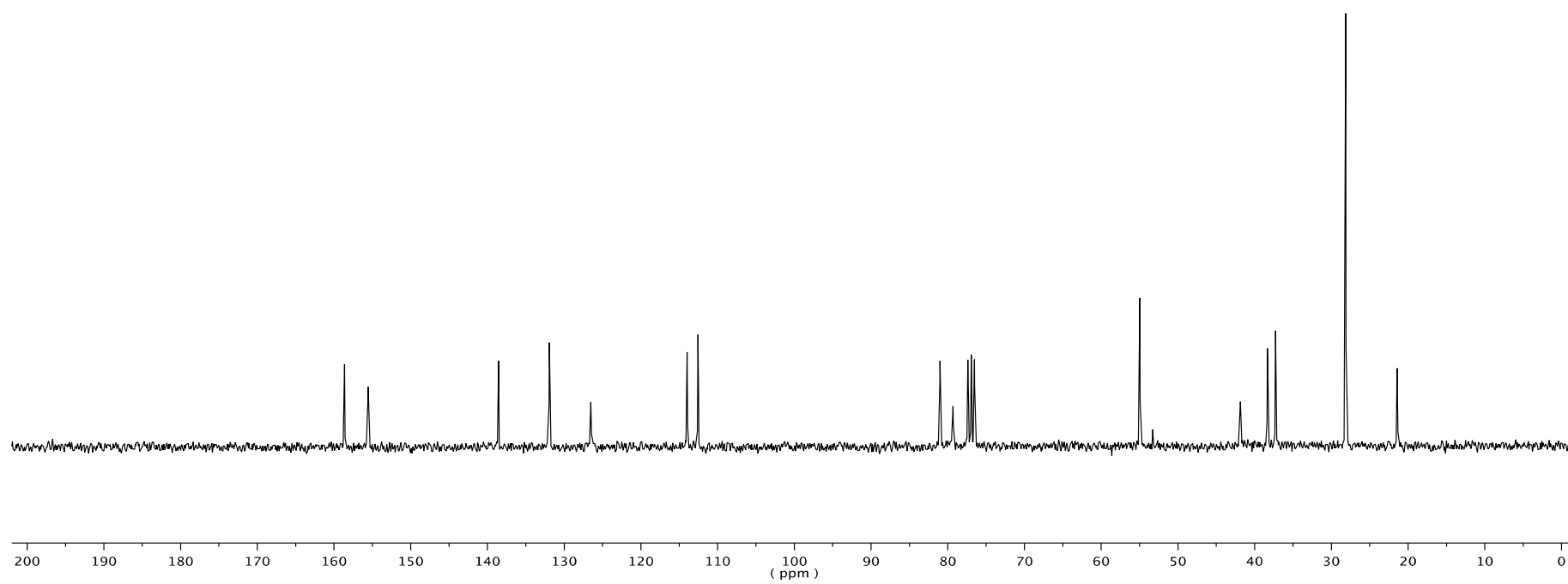
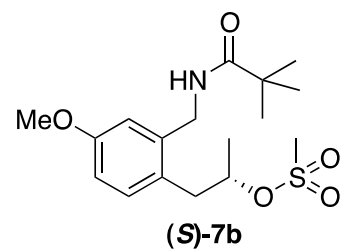


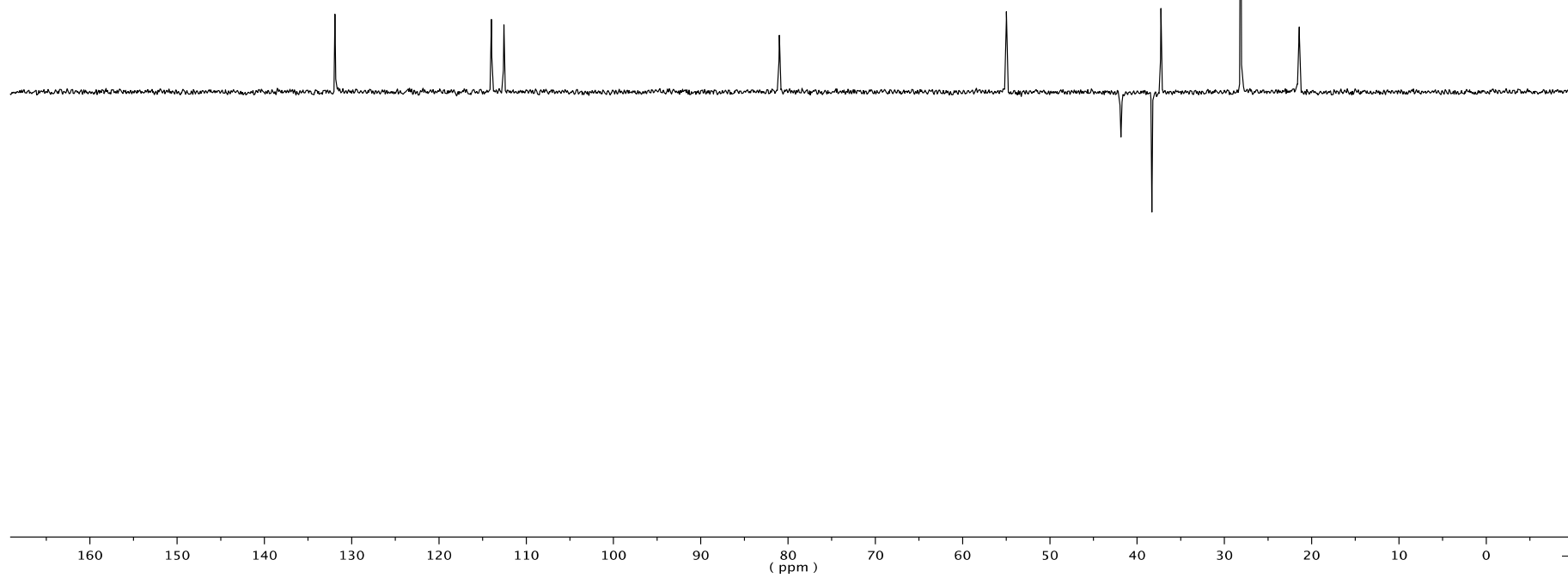
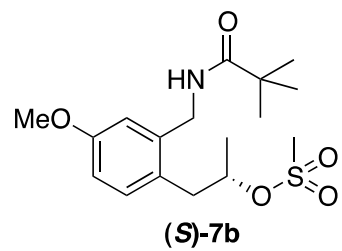


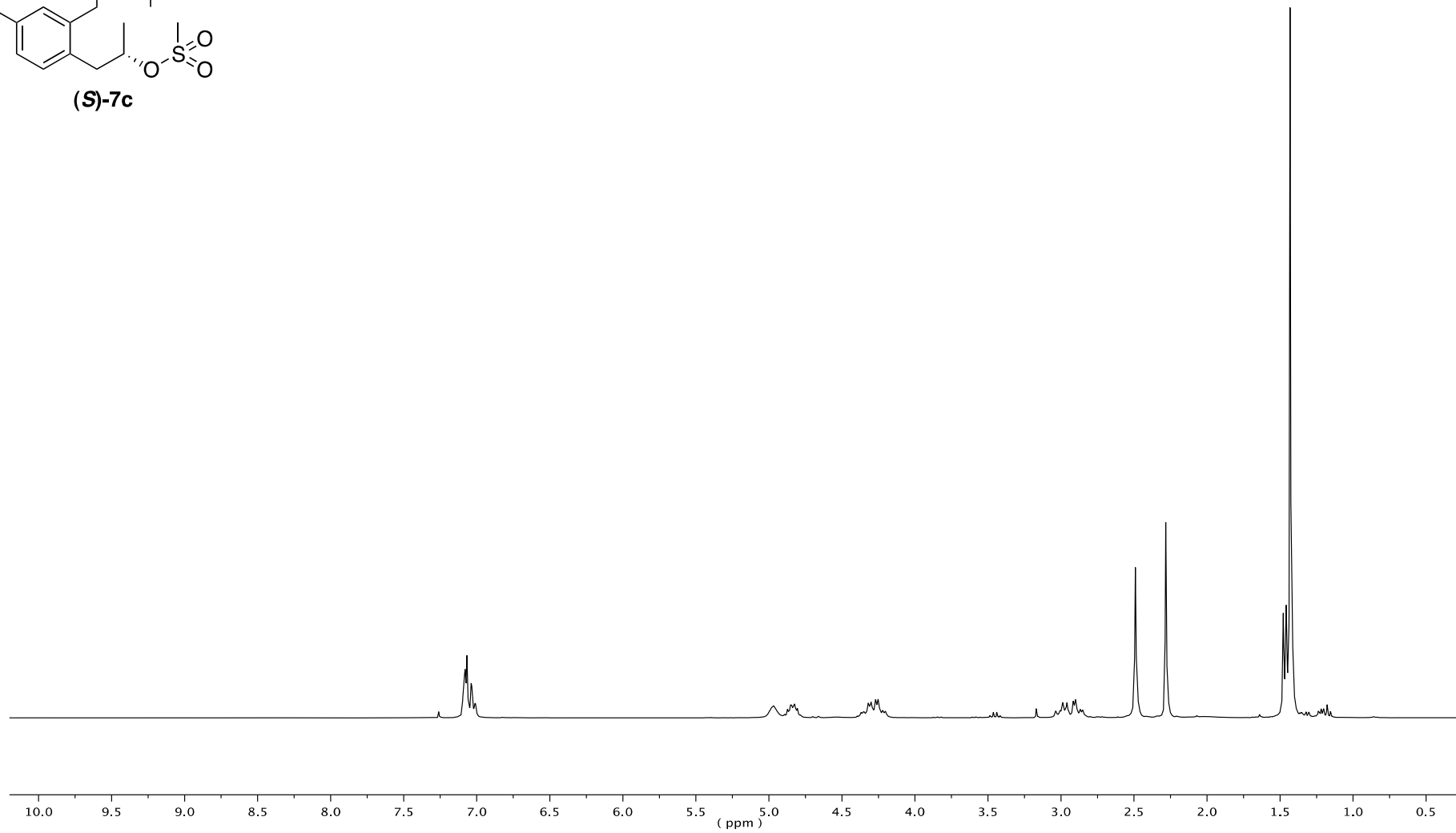
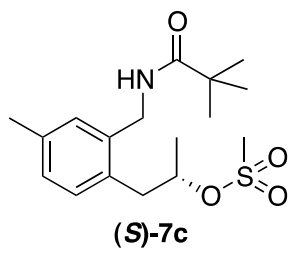


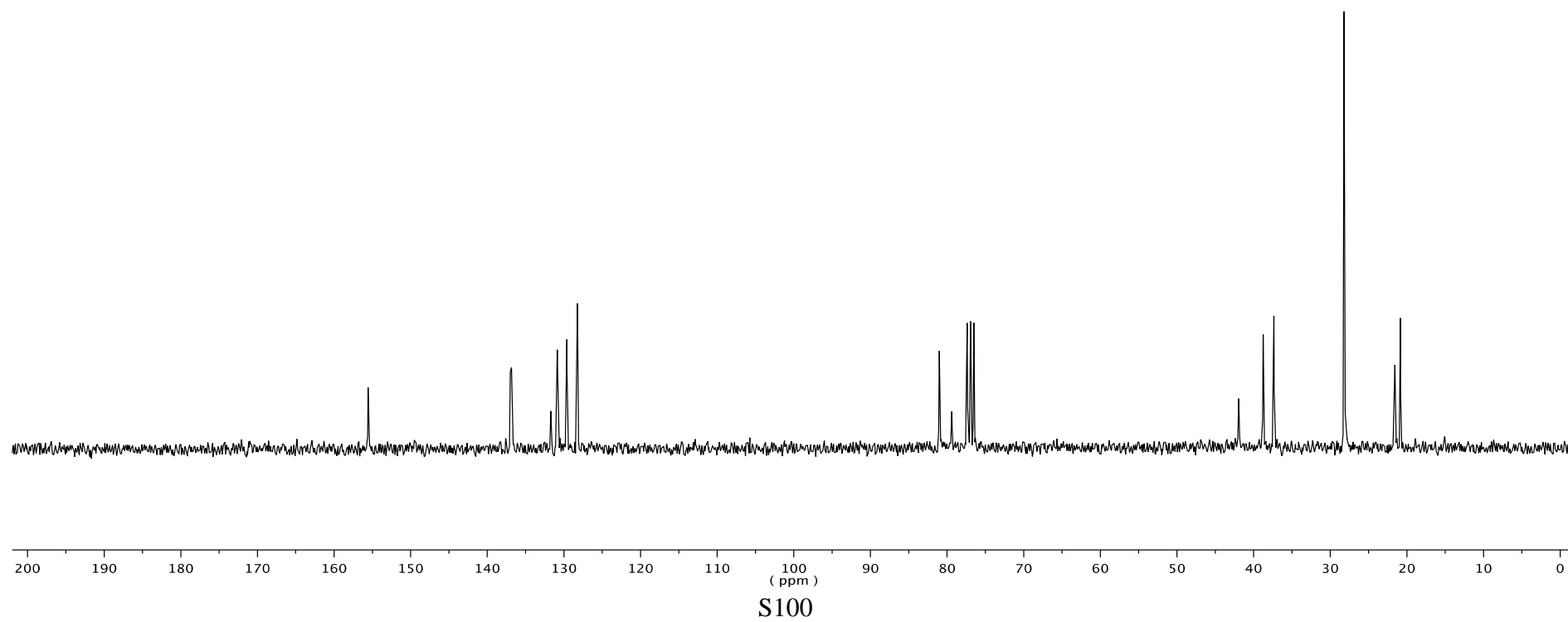
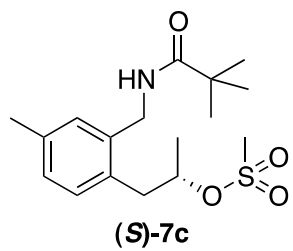


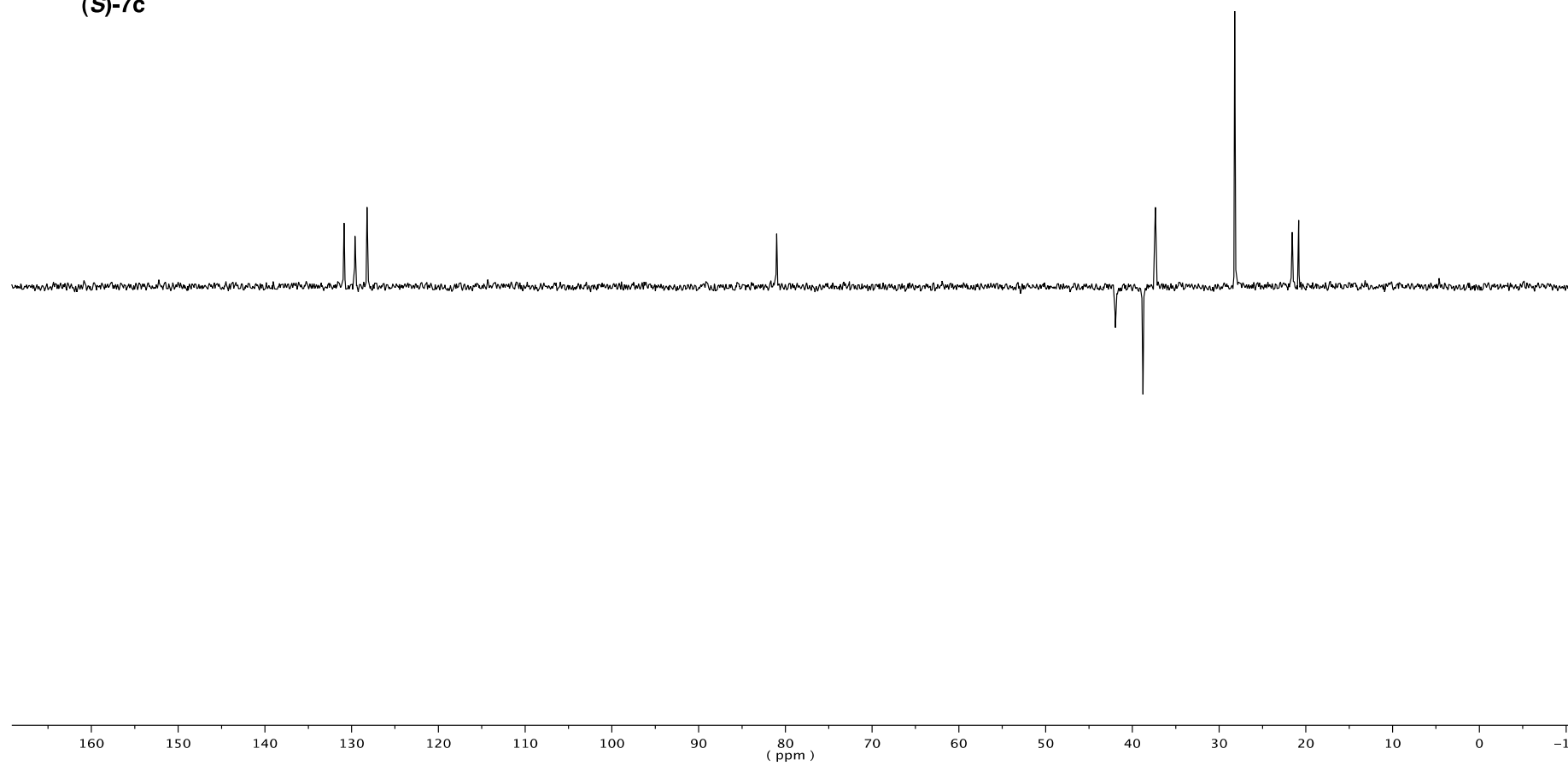
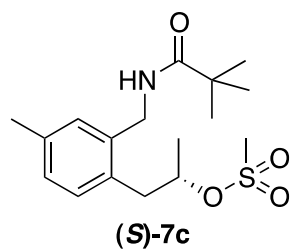


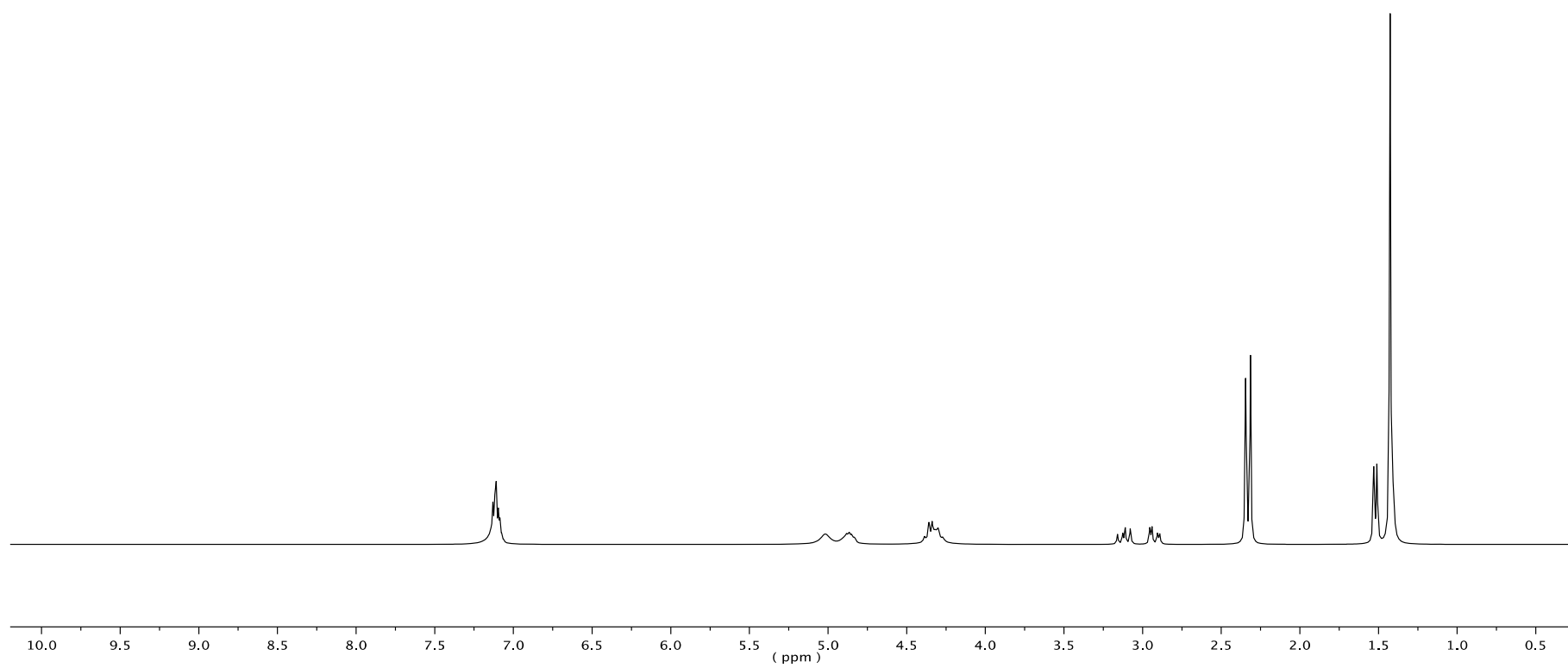
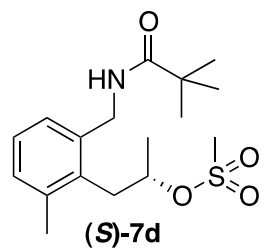




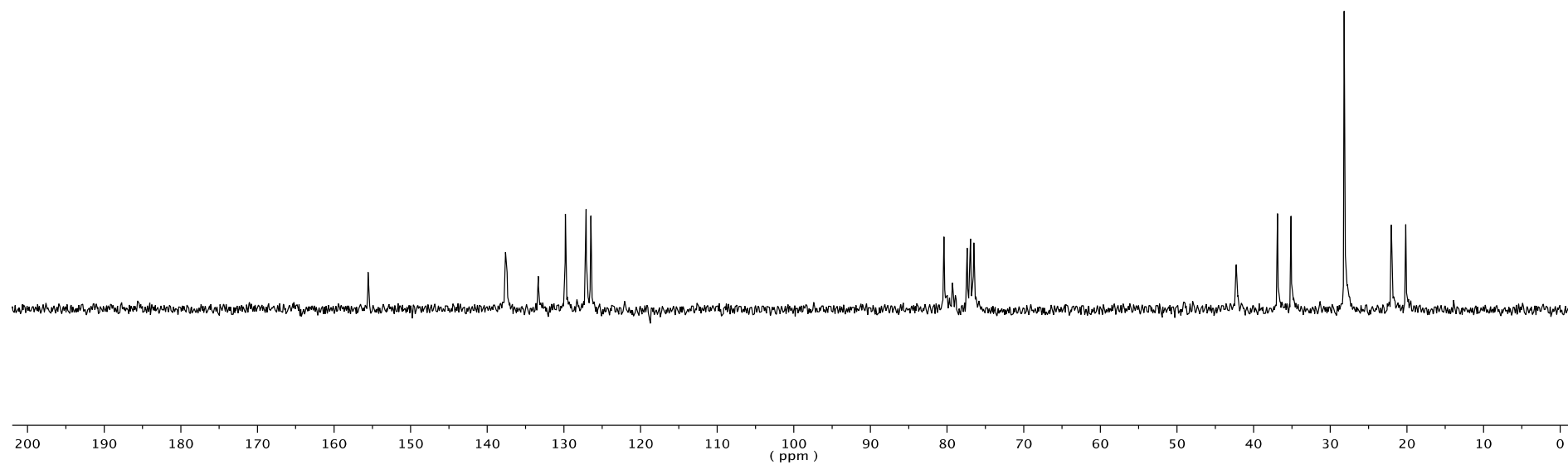
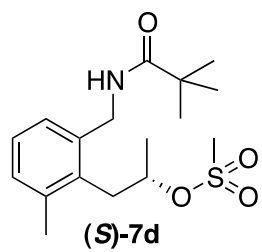




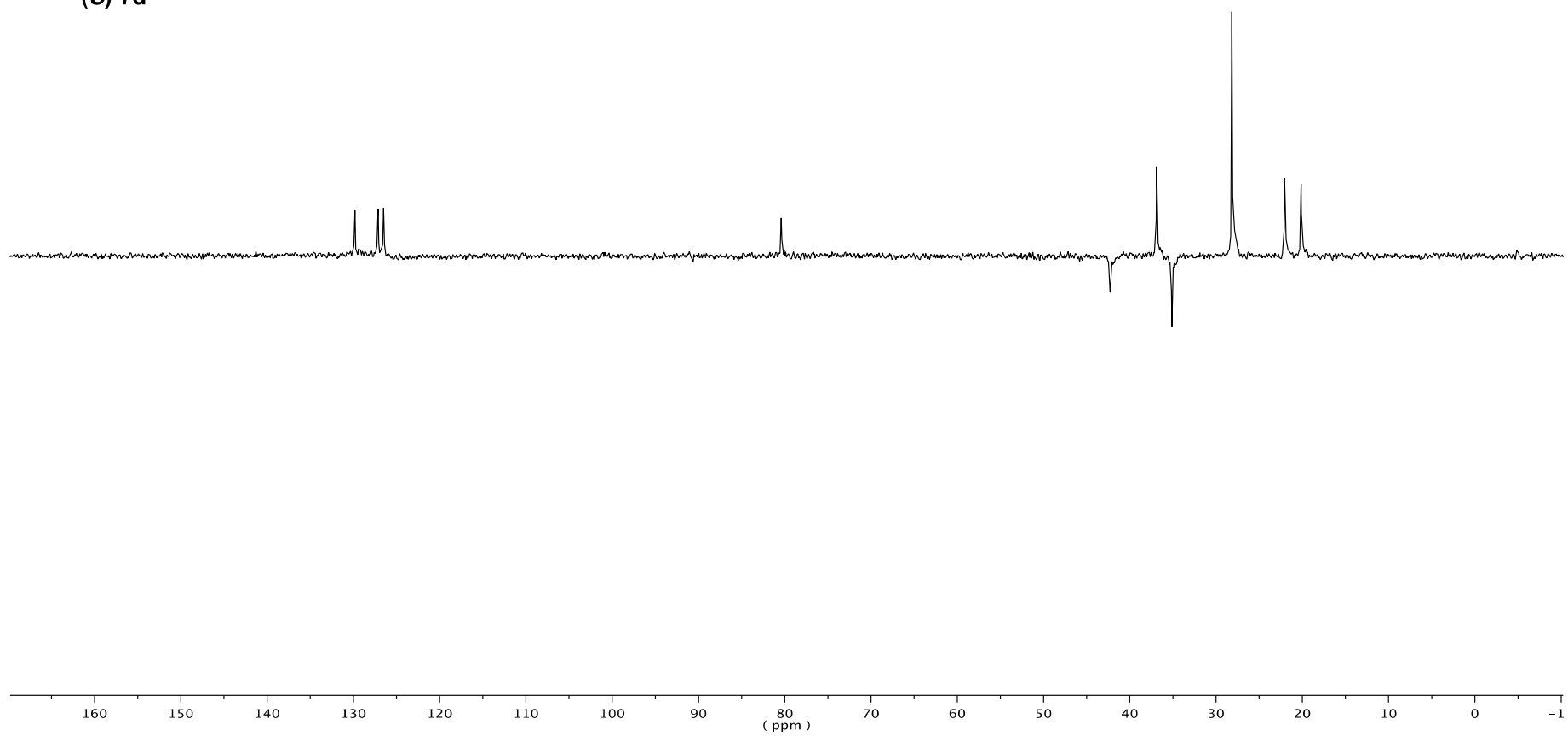
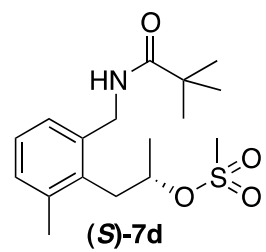


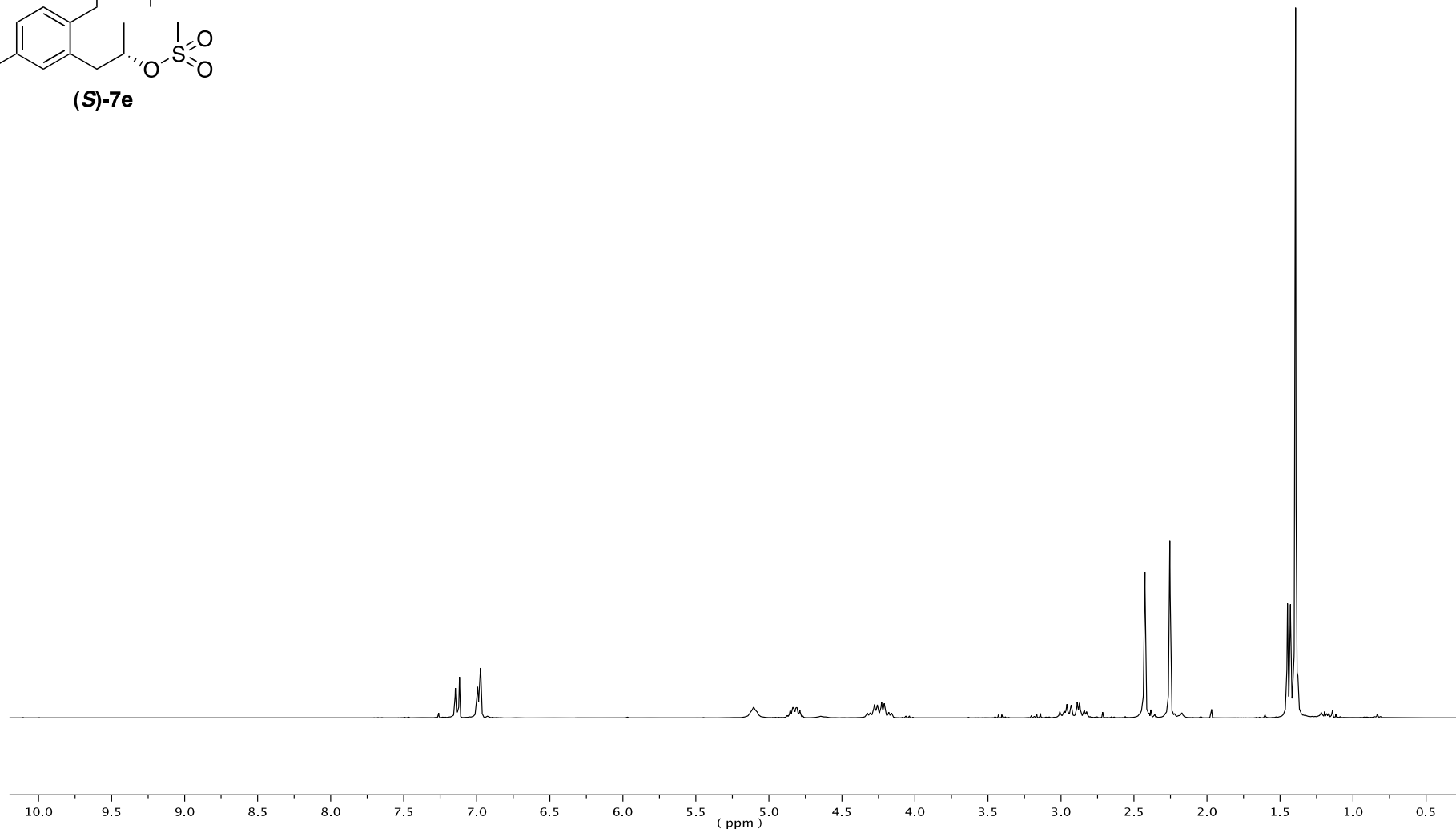
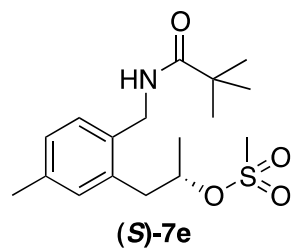


S102

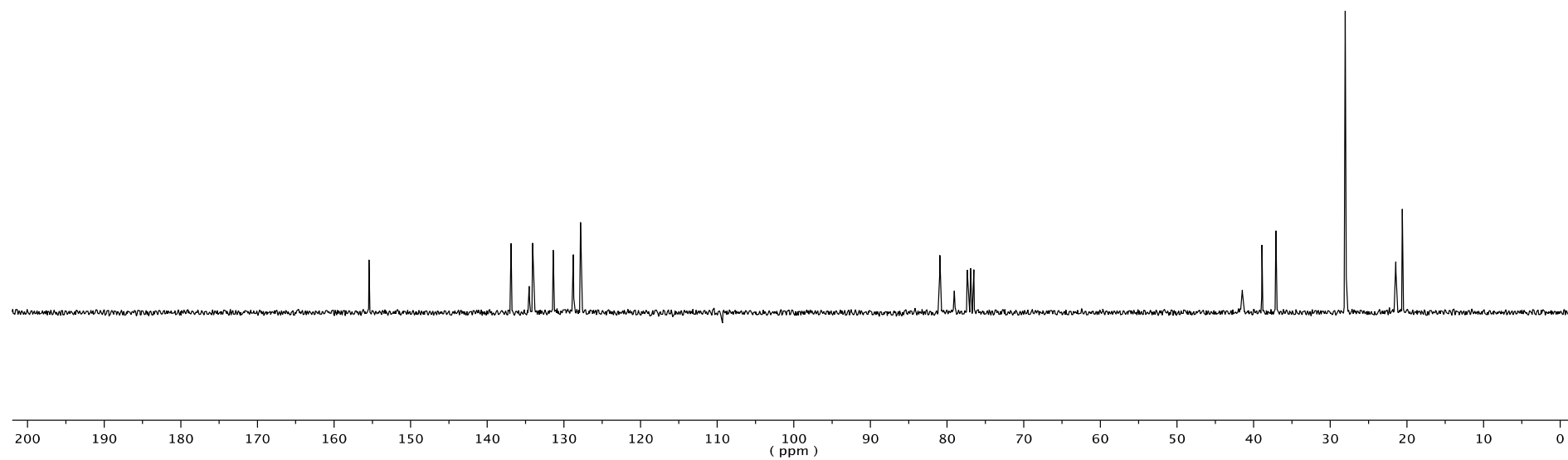
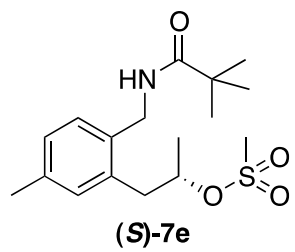


S103

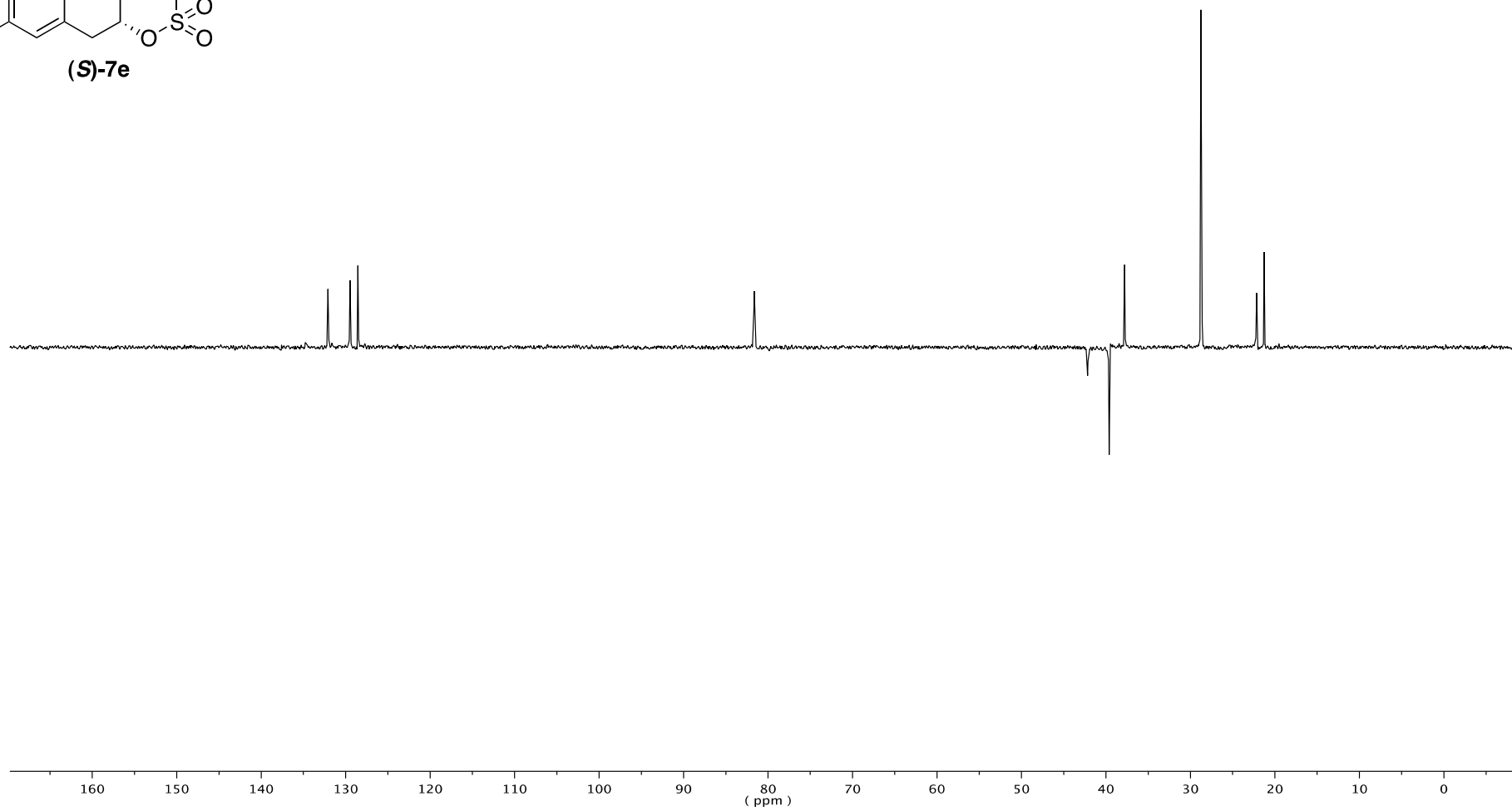
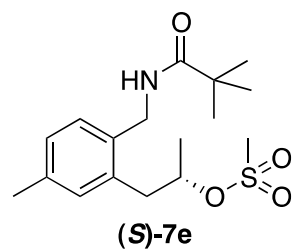


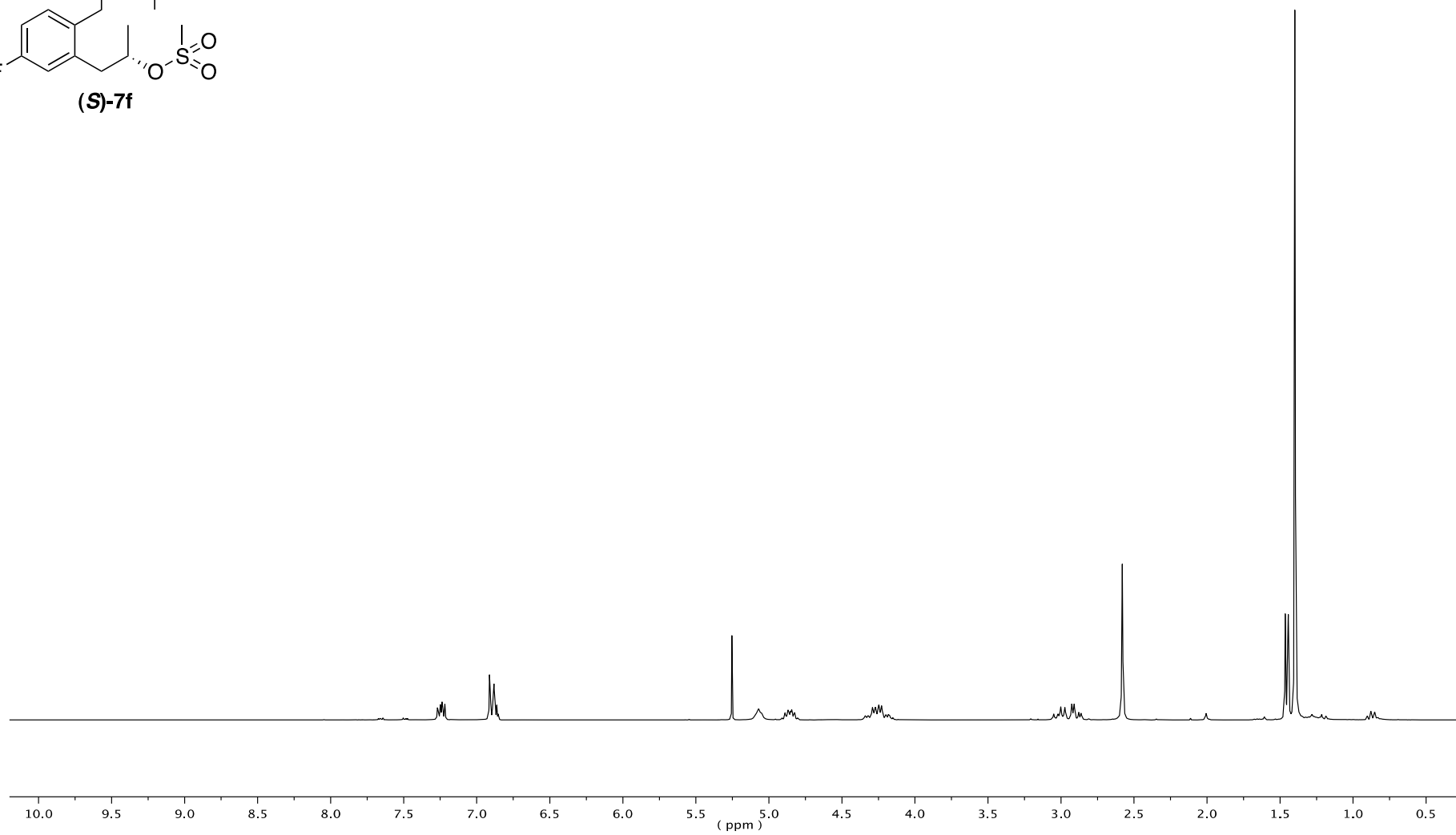
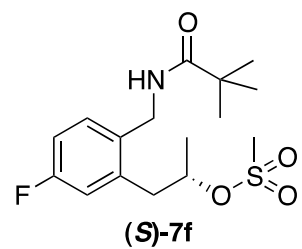


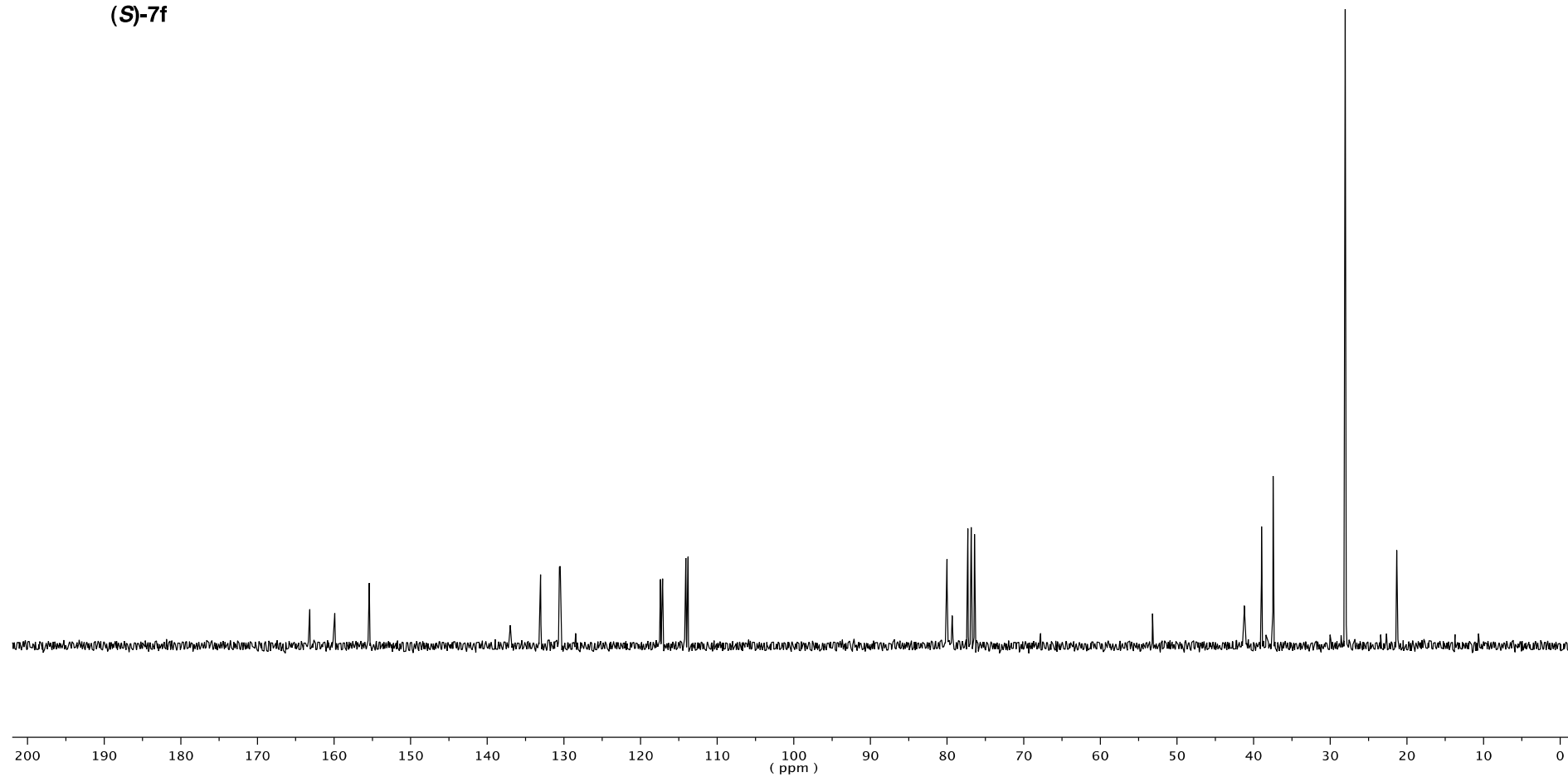
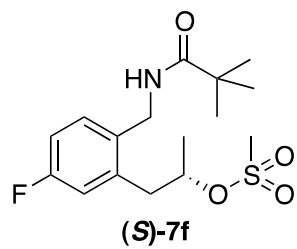
S105



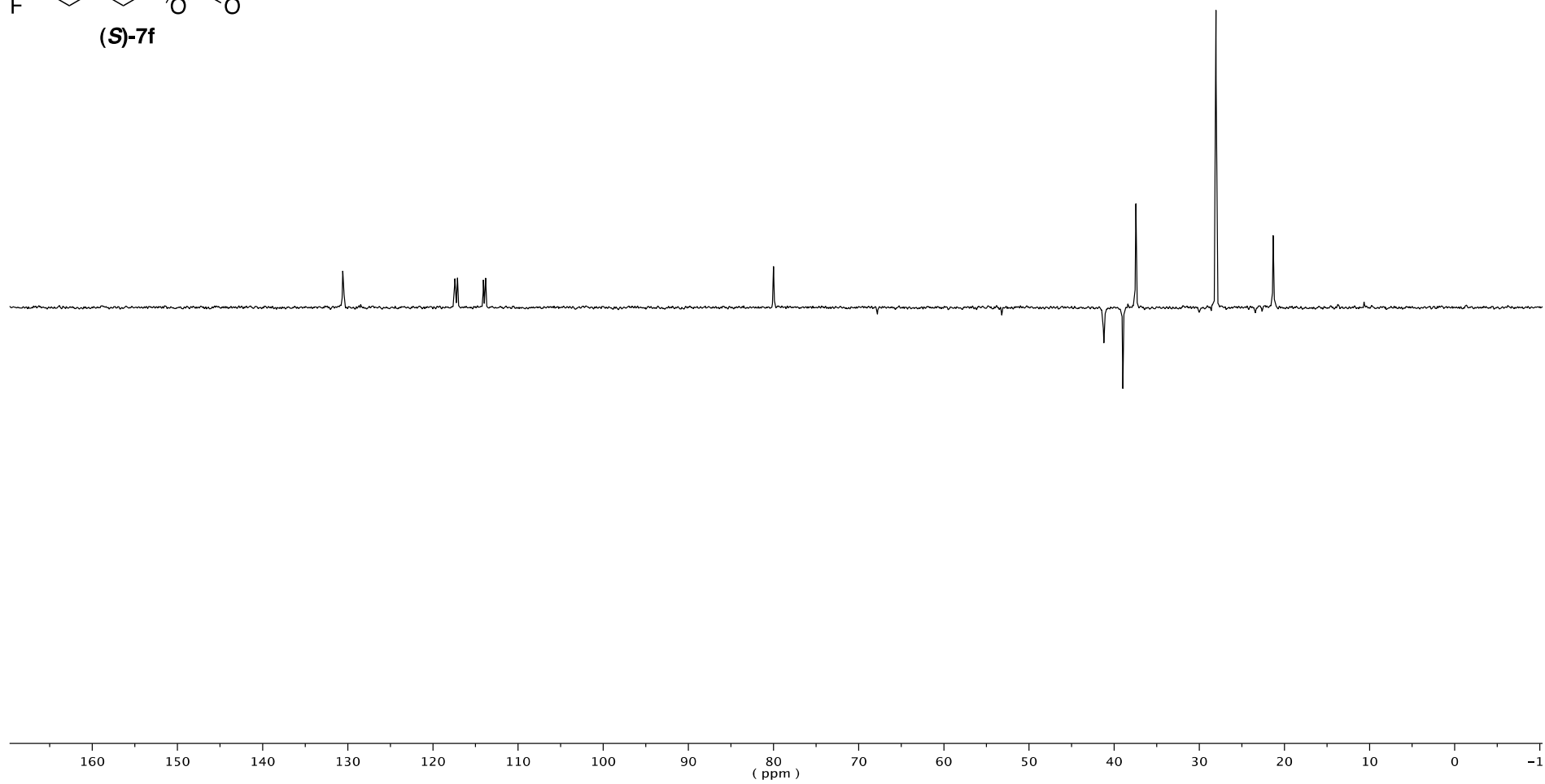
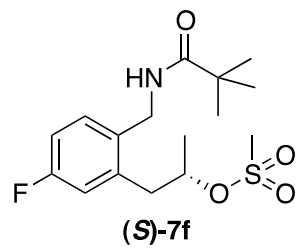
S106

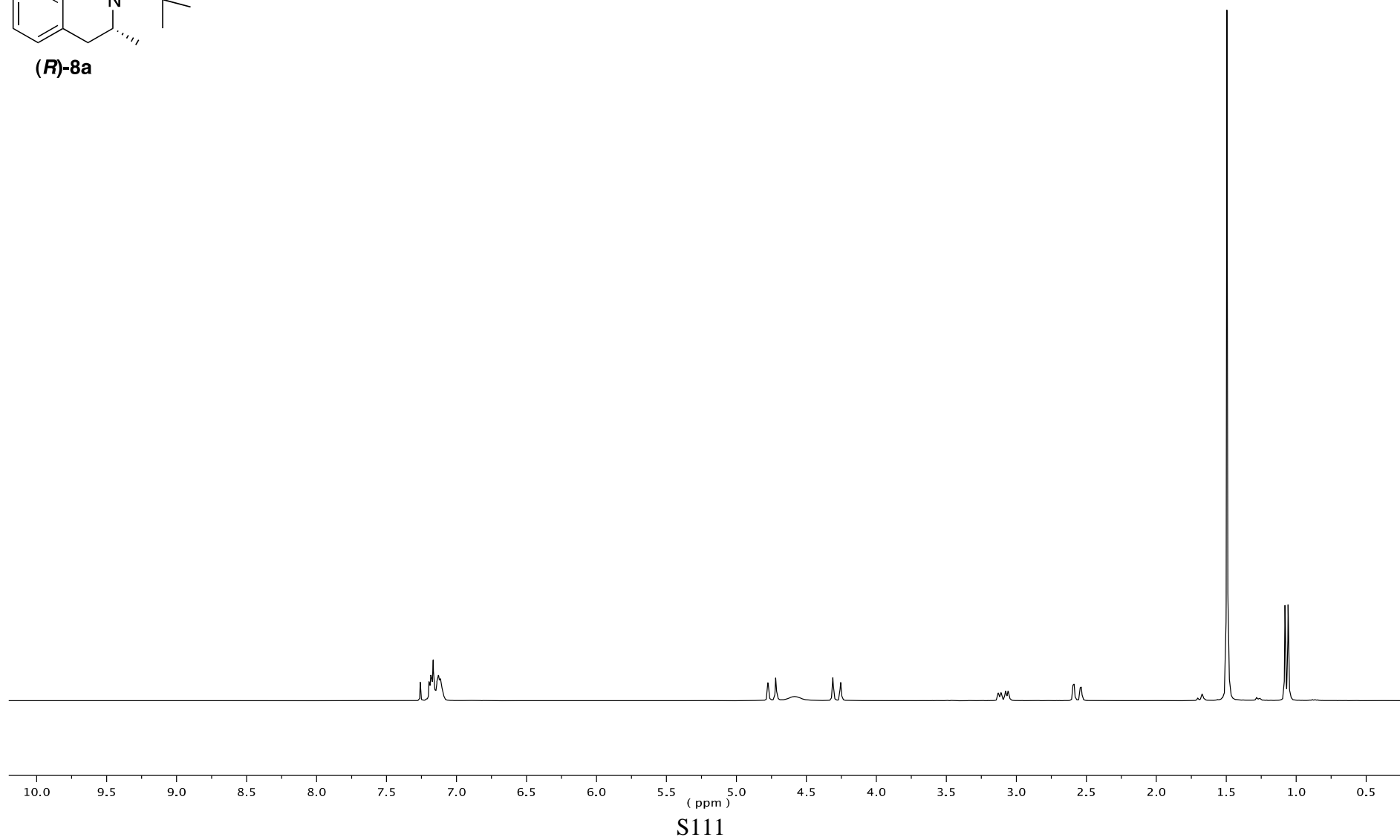
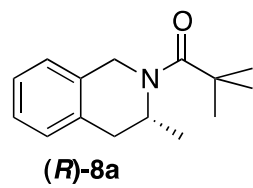


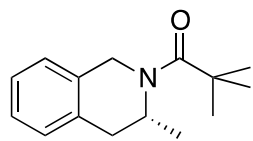




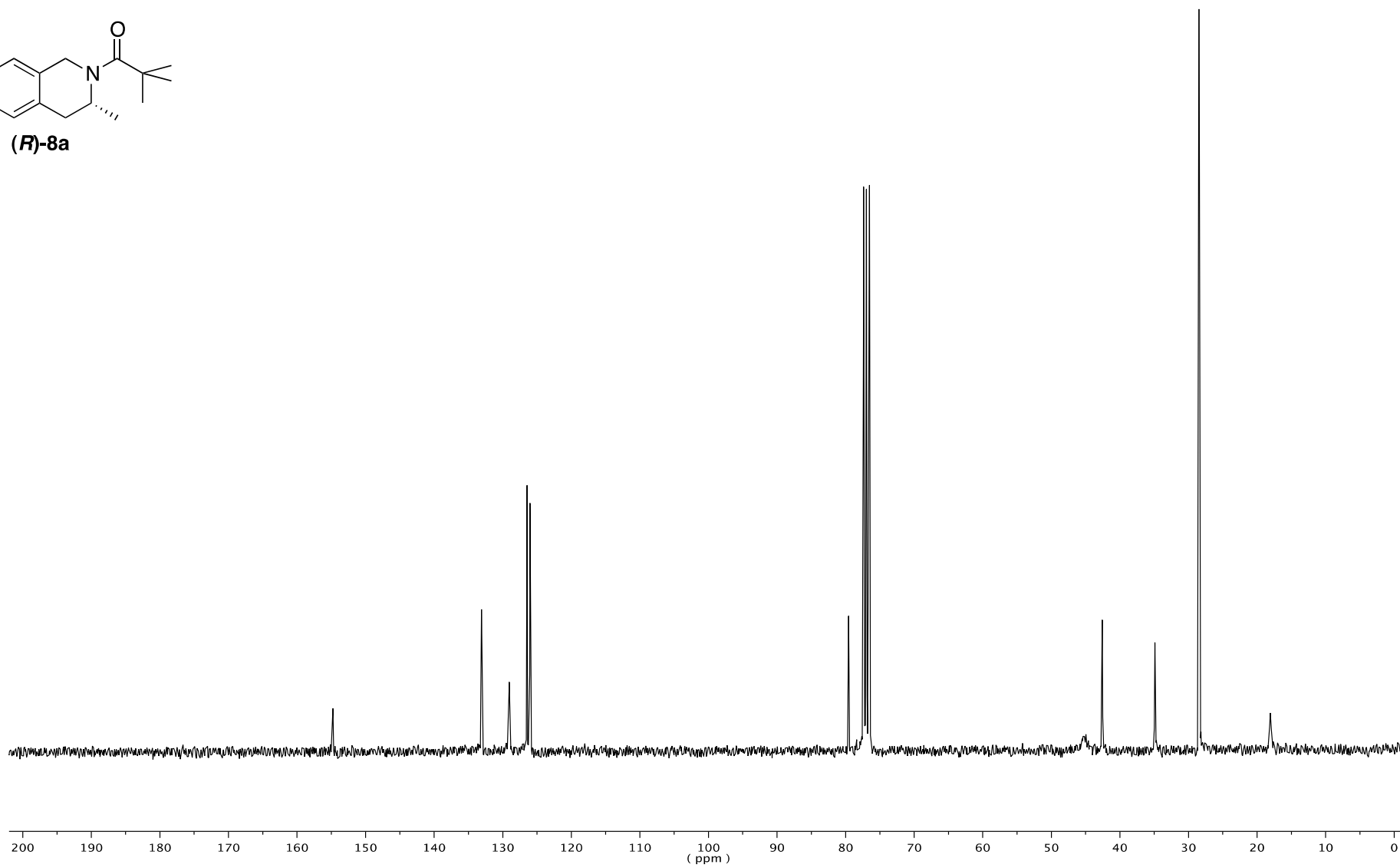
S109

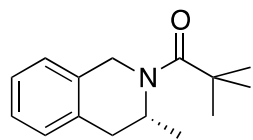




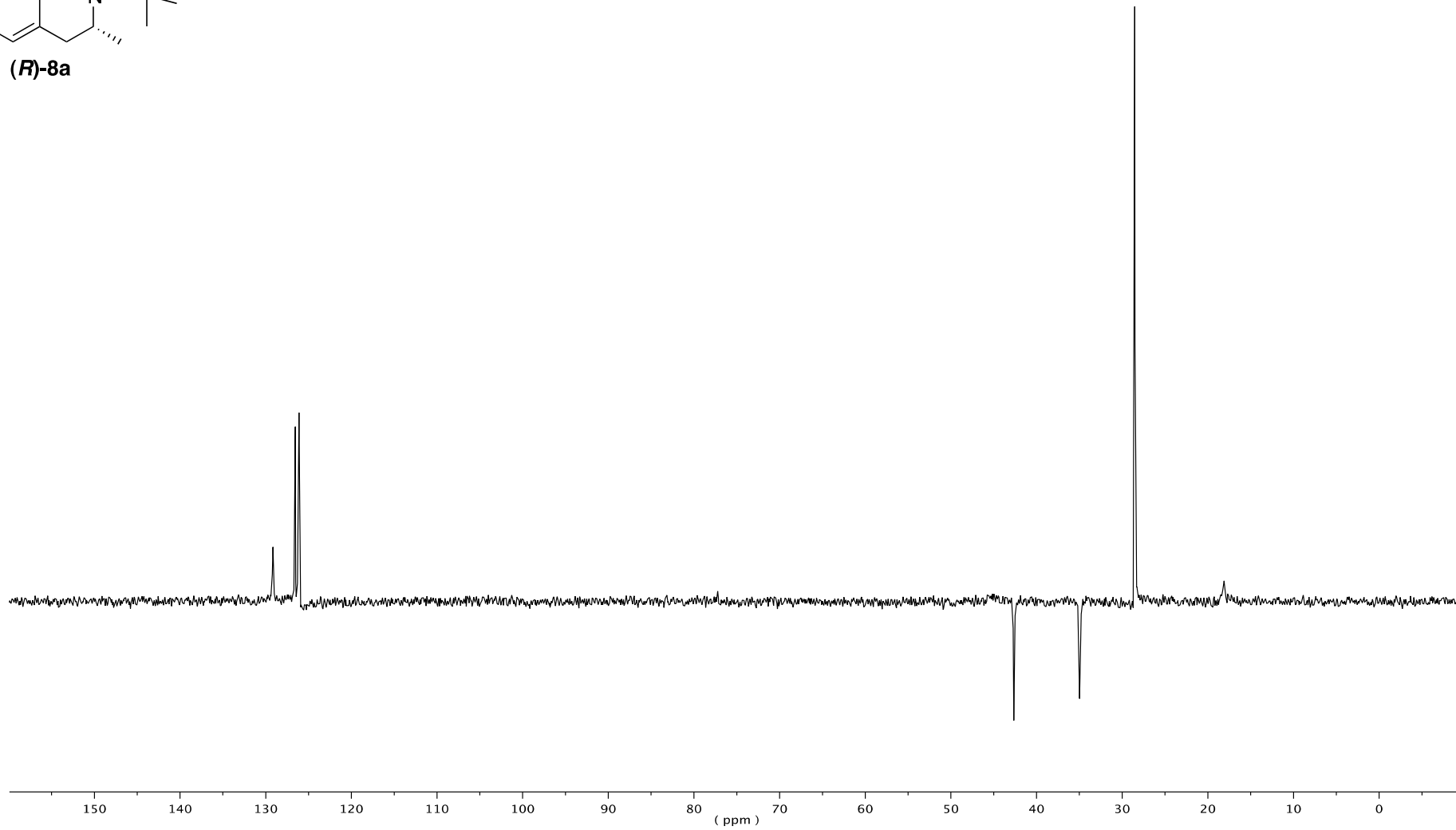


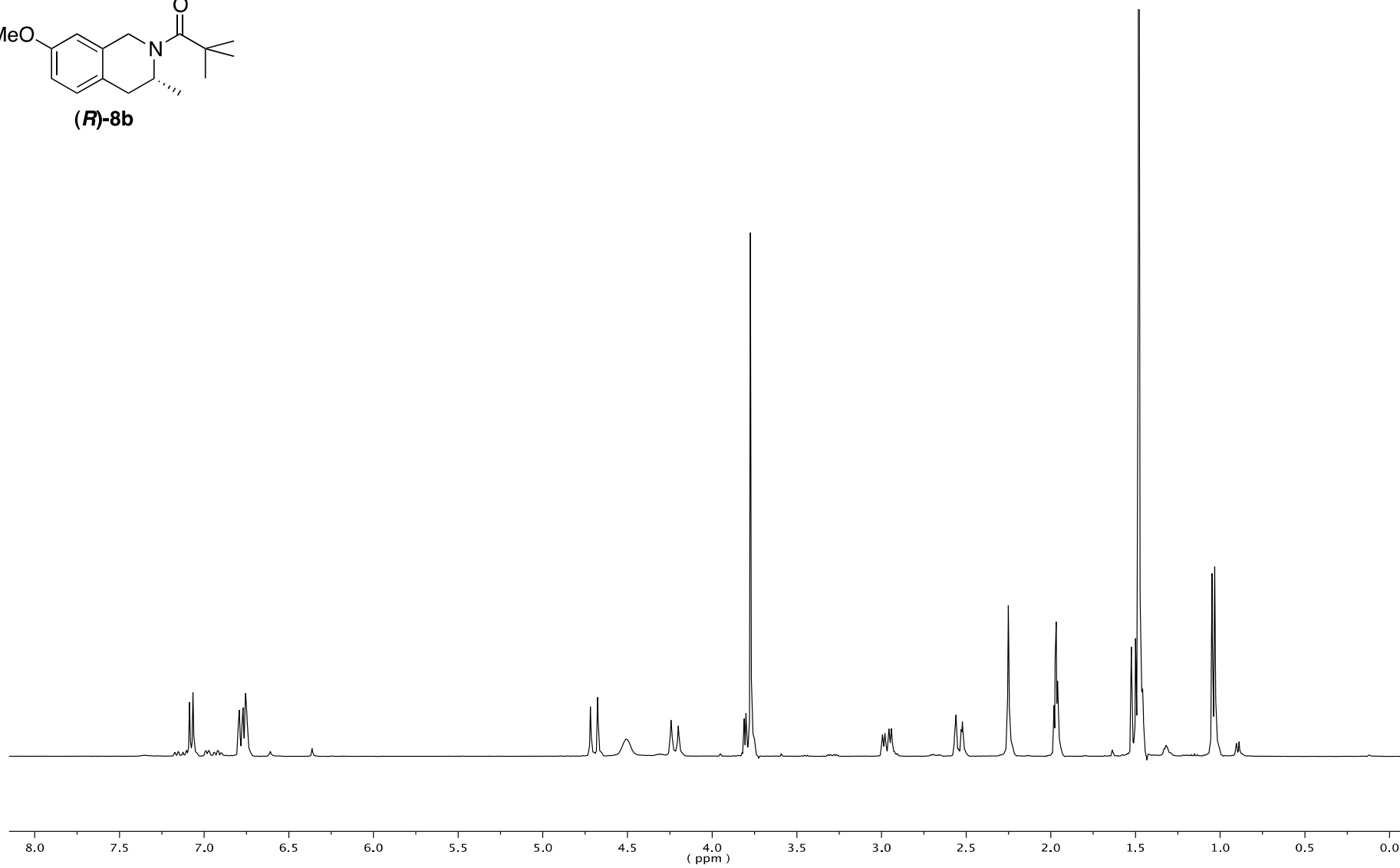
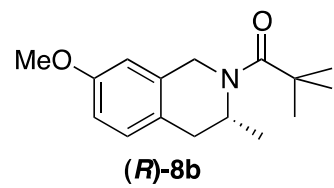
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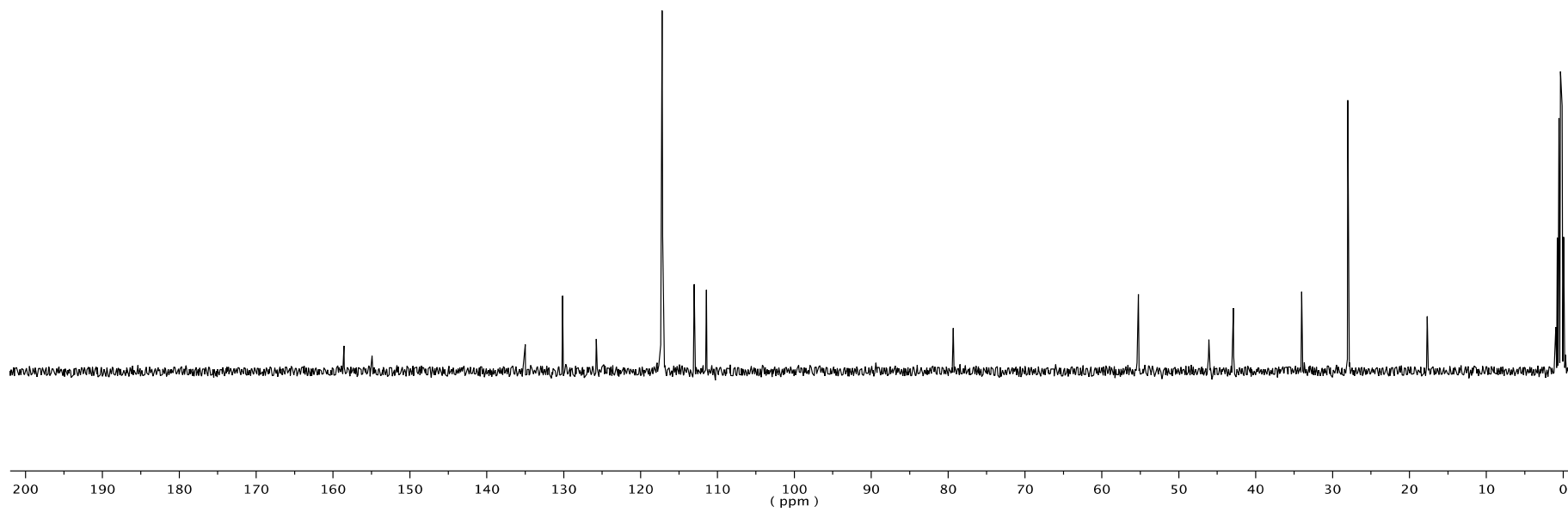
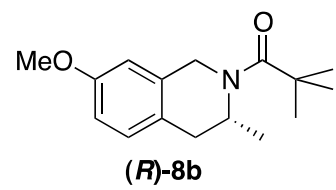


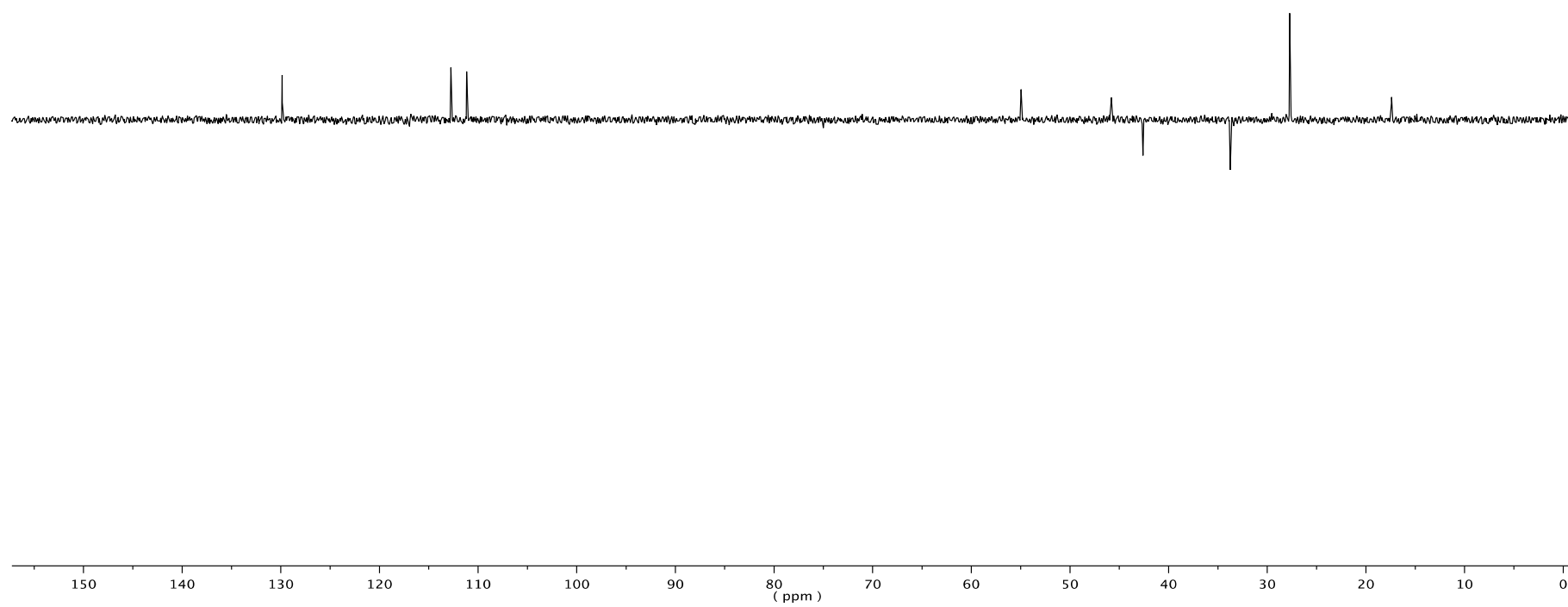
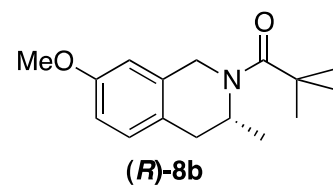
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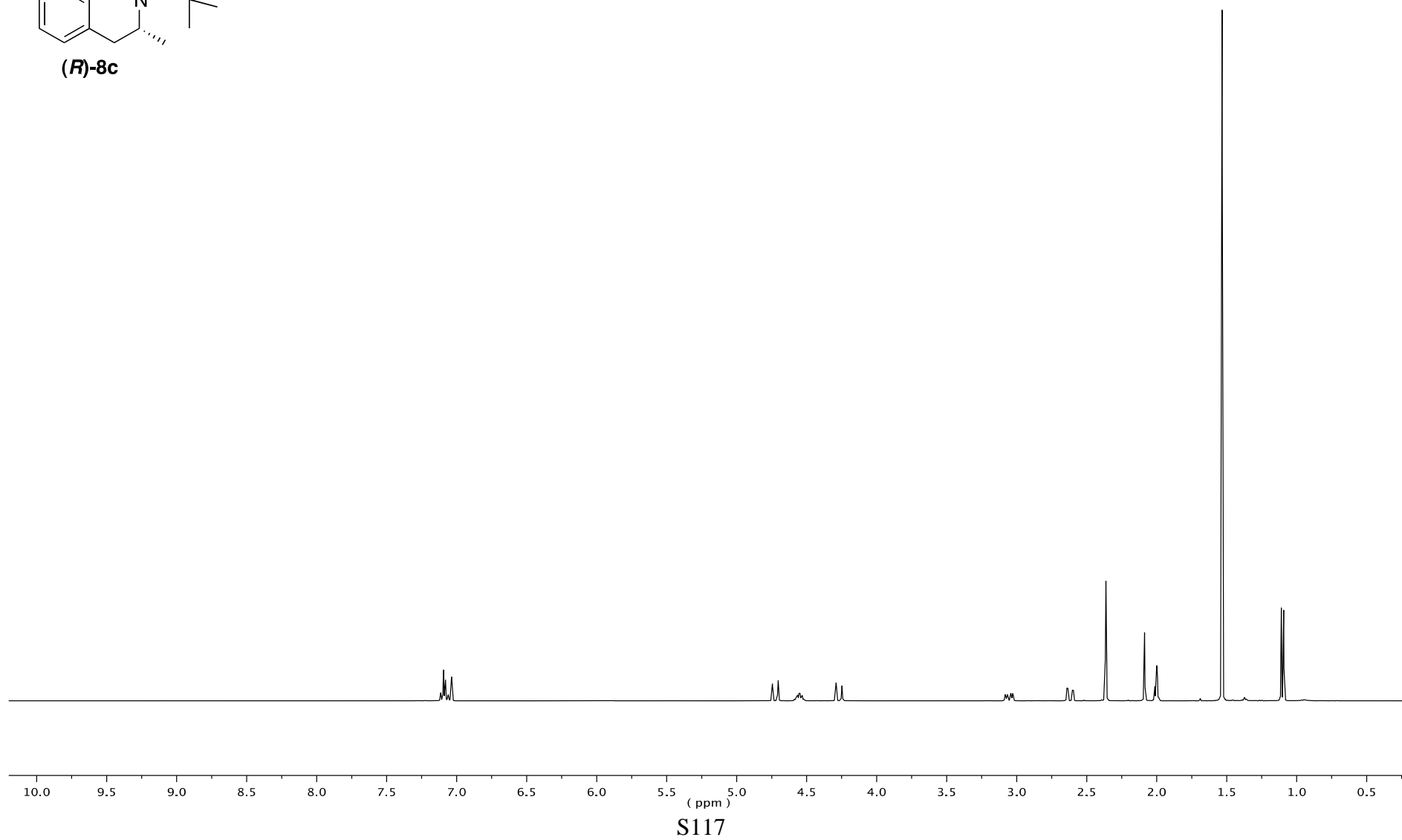
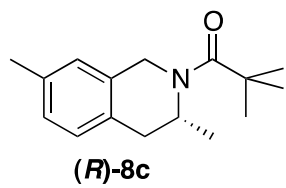


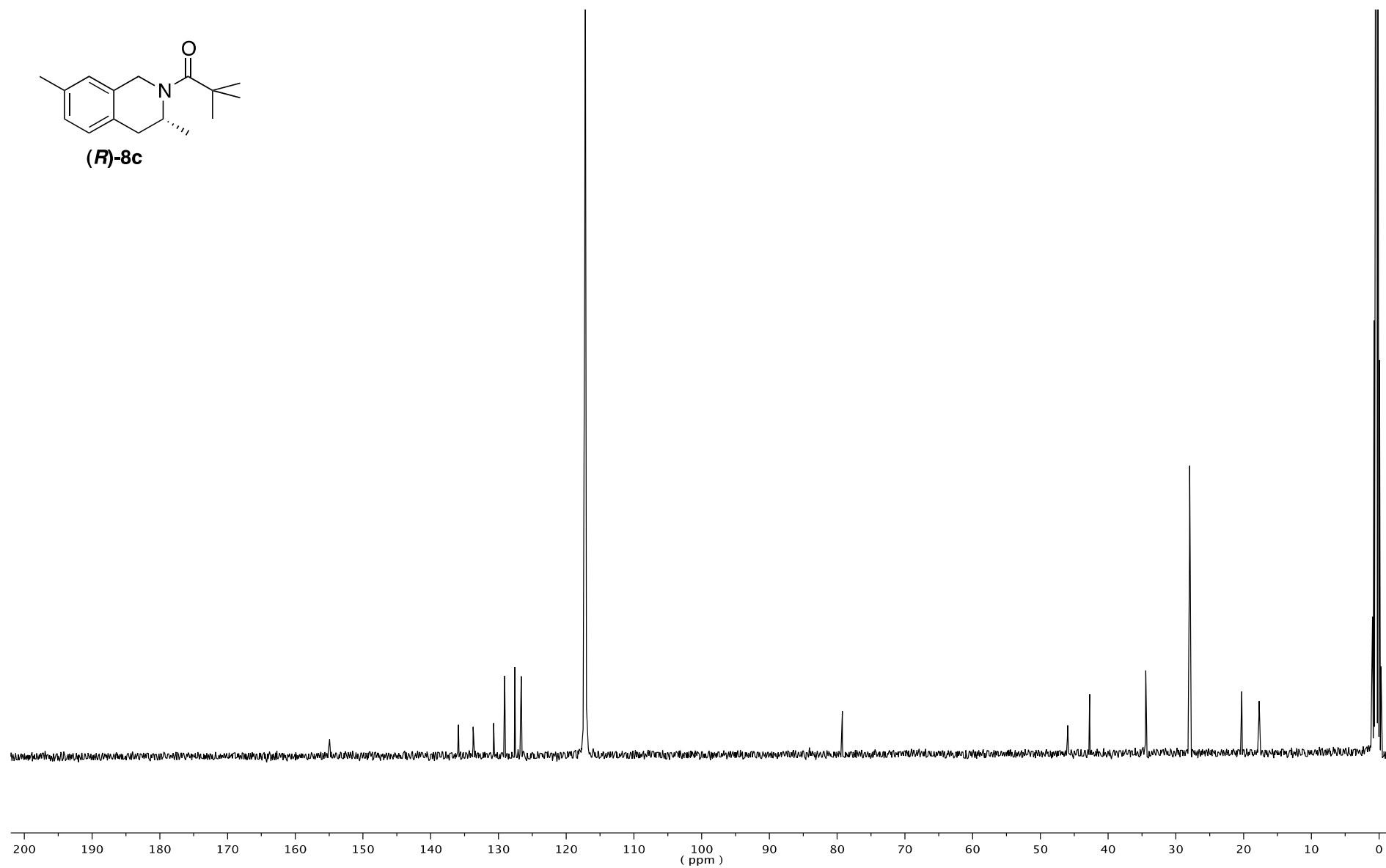
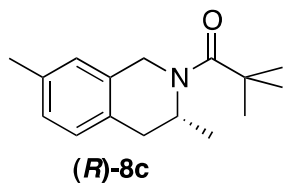


S114

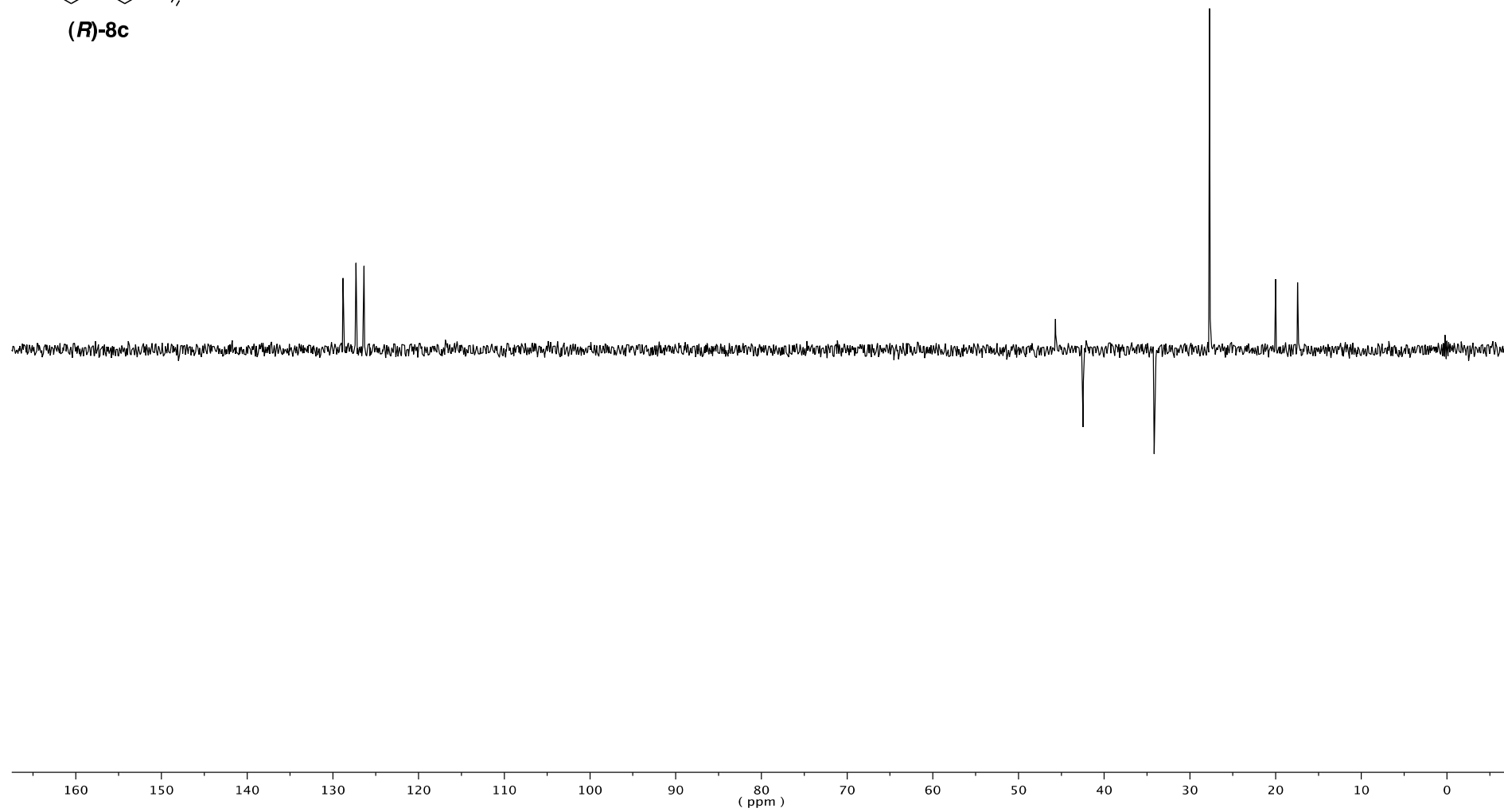
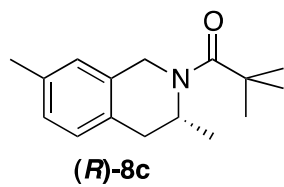




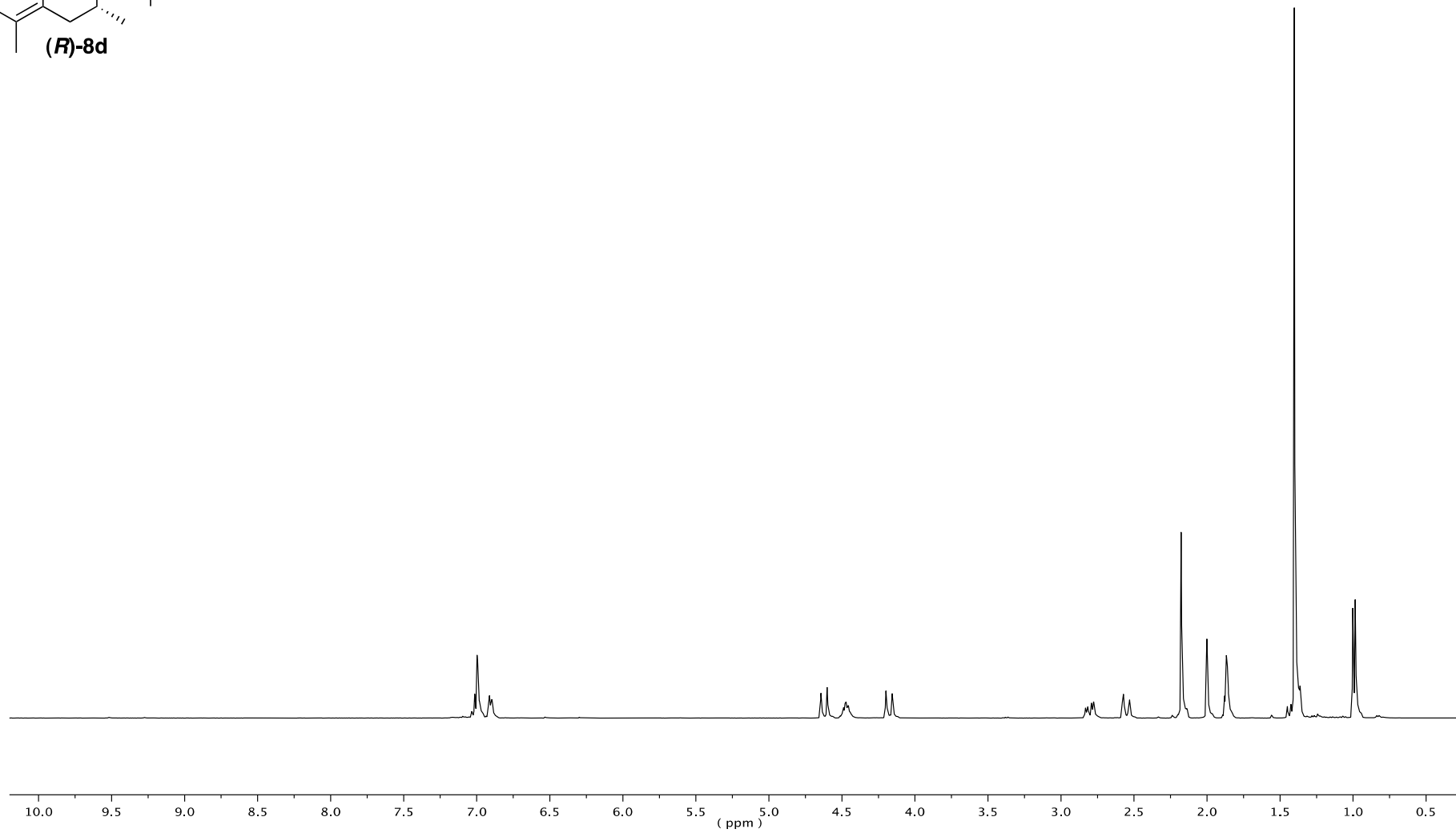
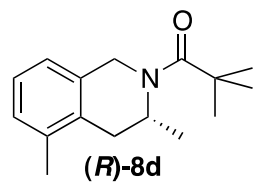


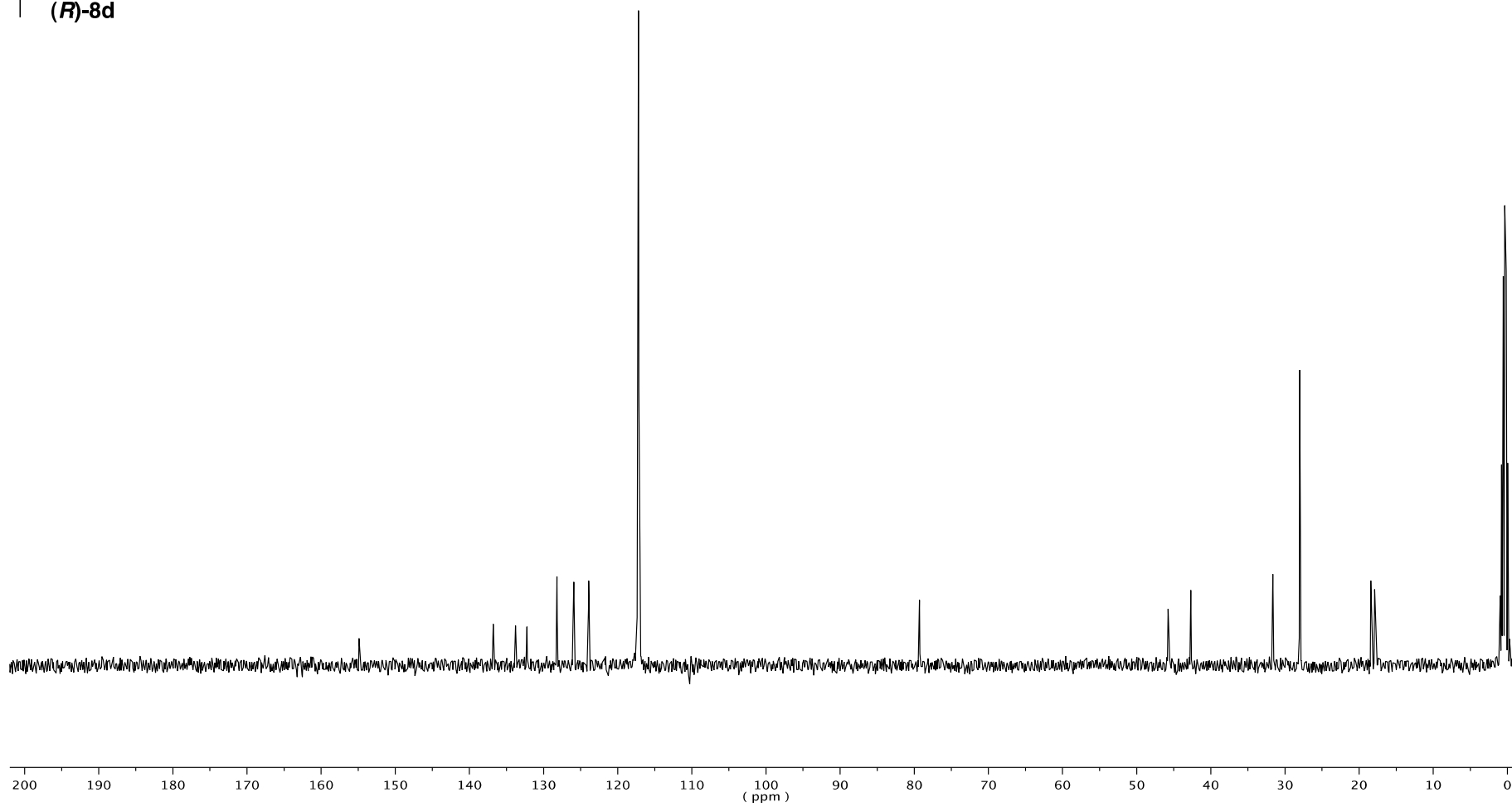
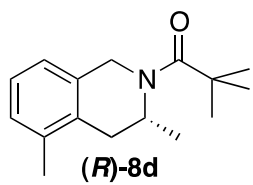


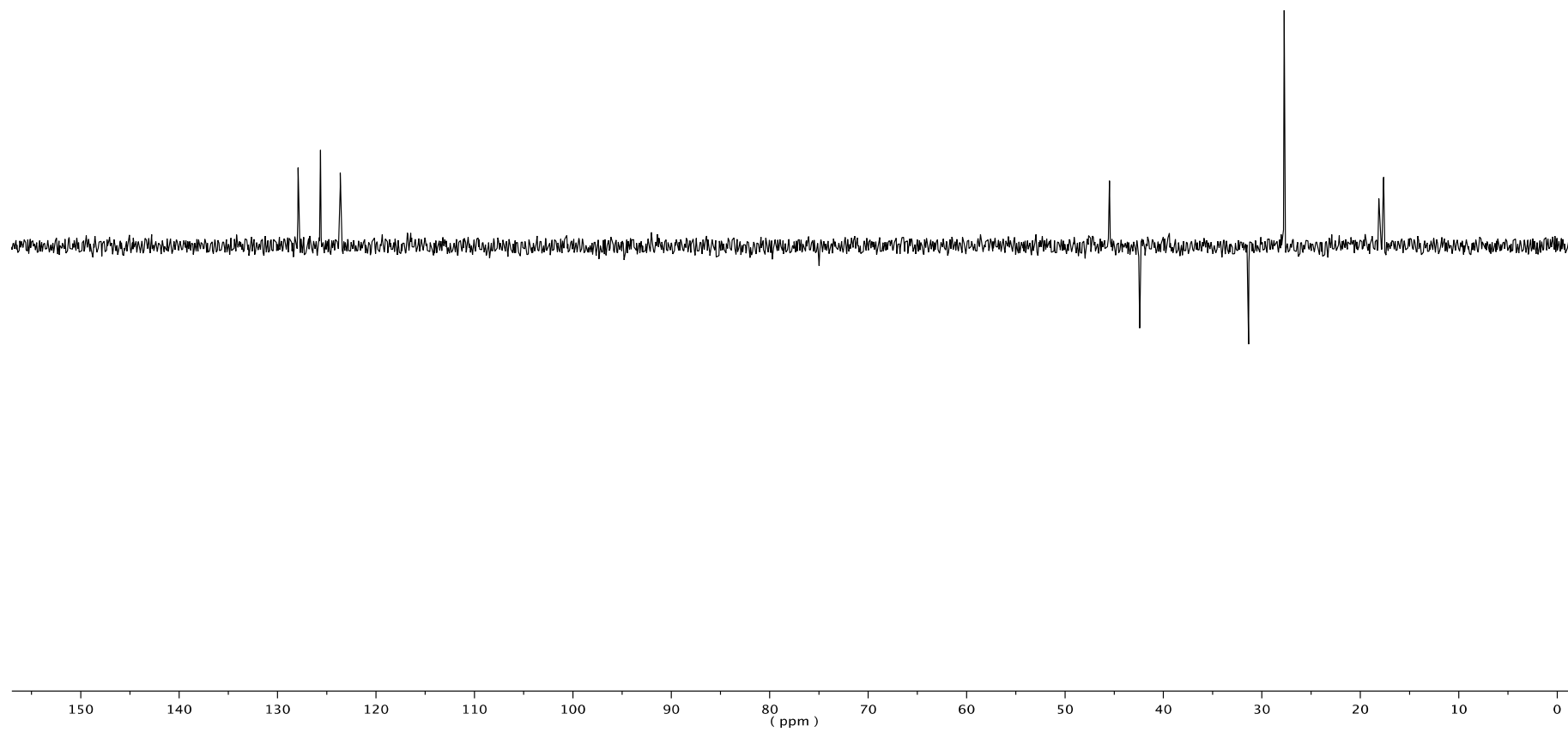
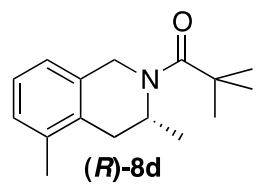
S118

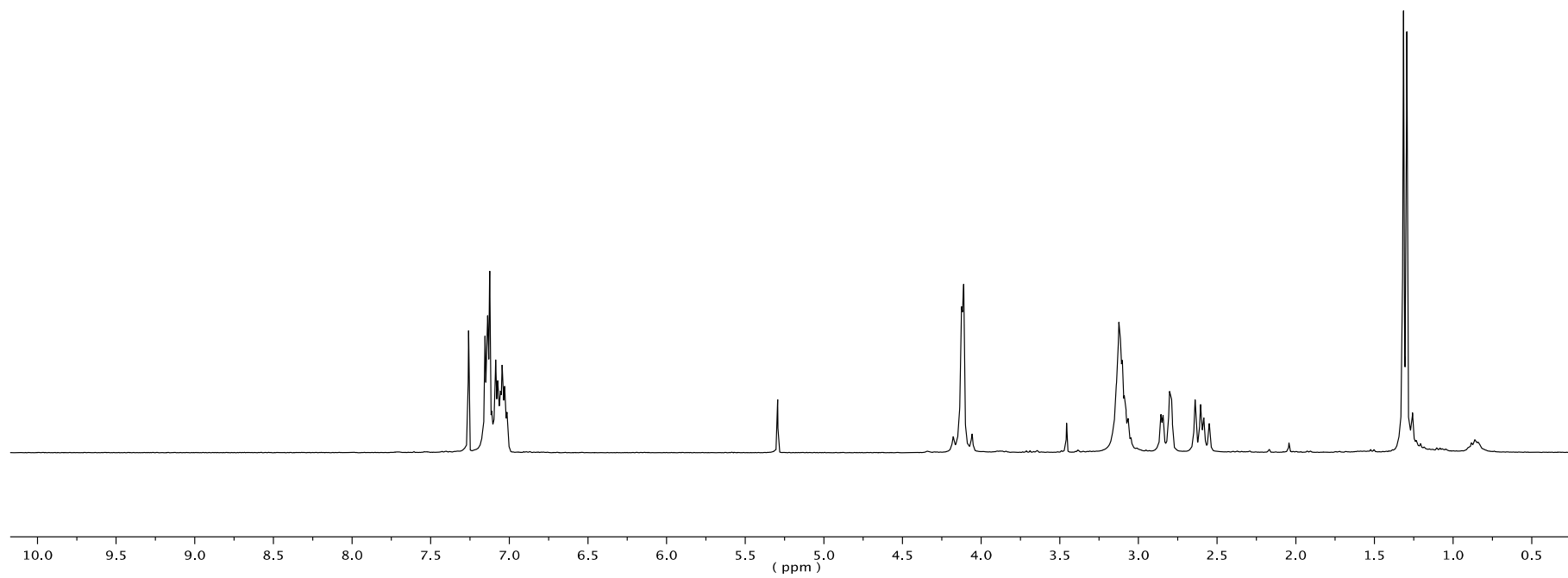
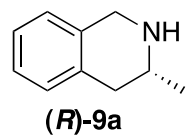


S119

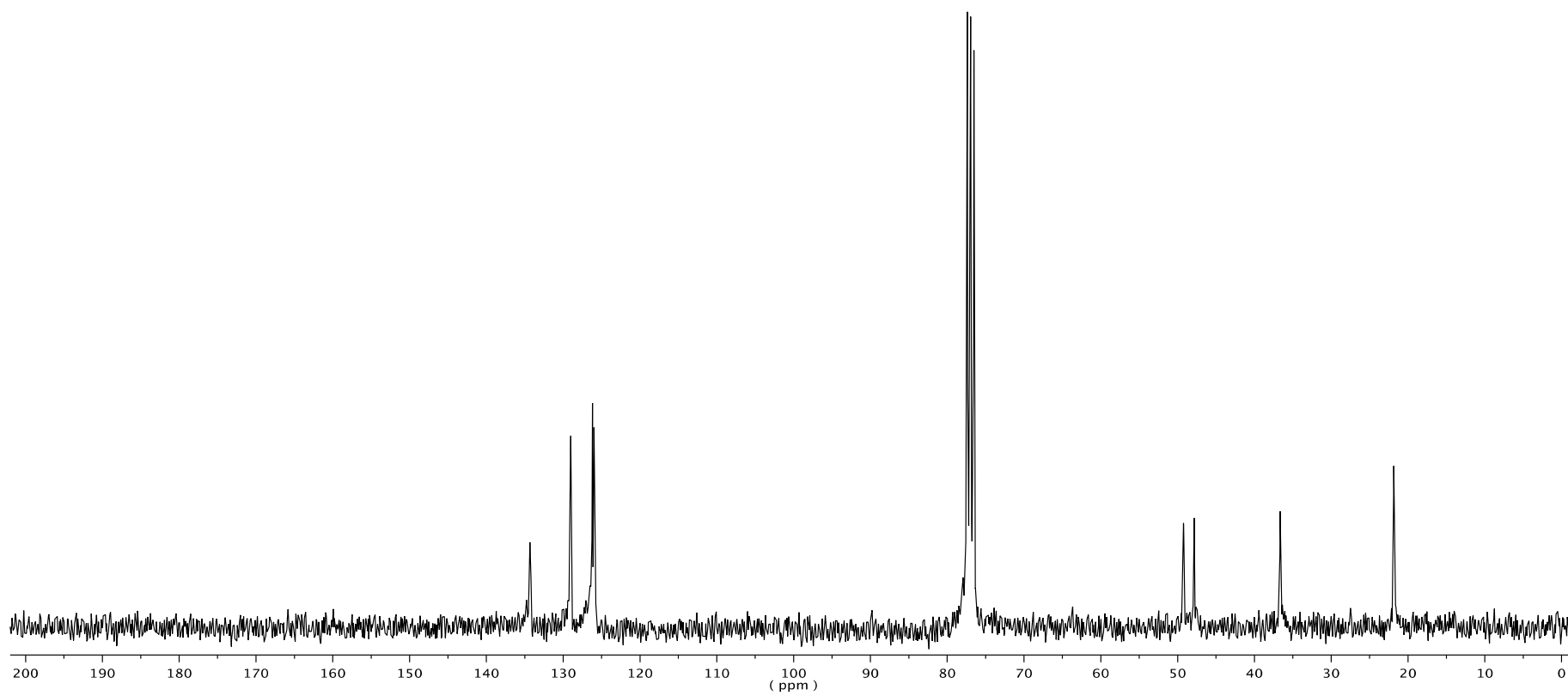
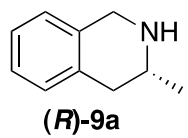




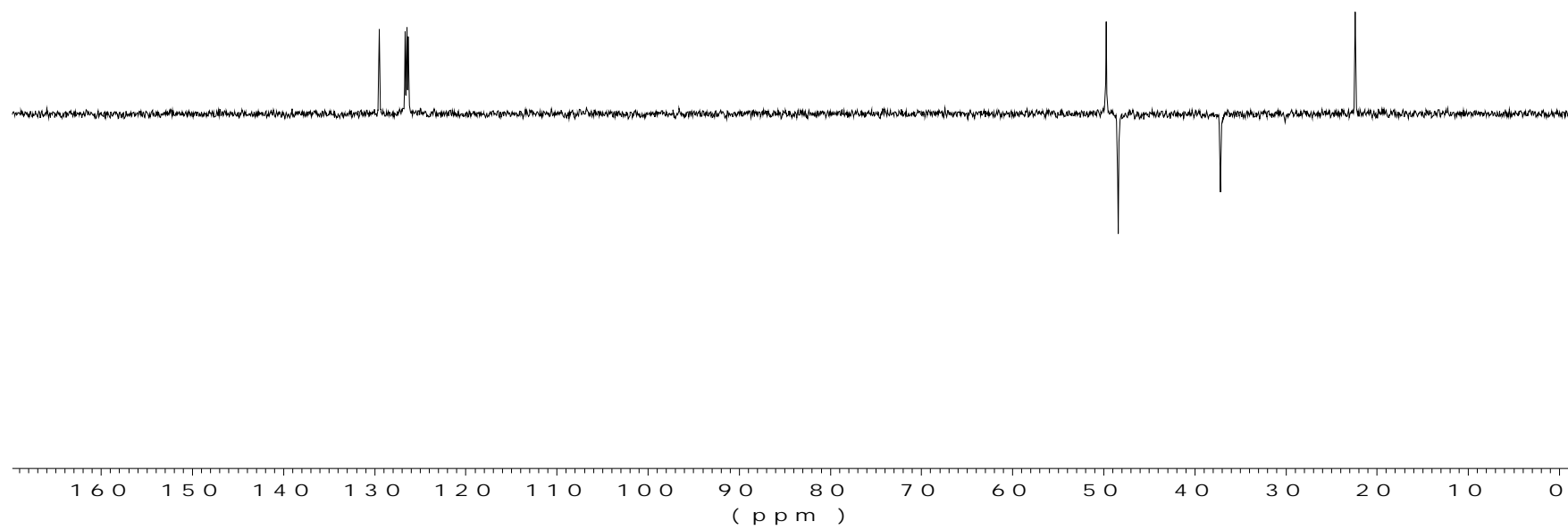
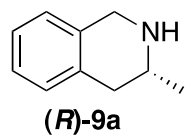


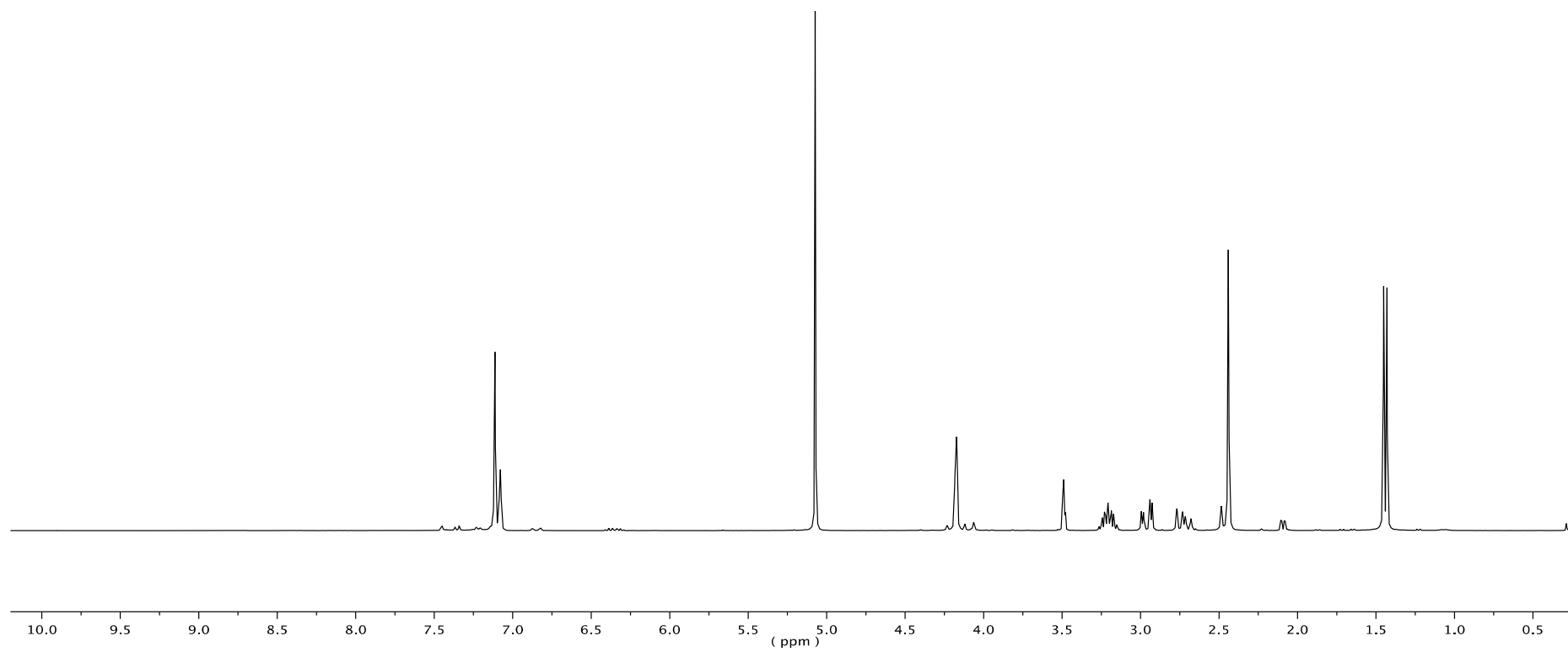
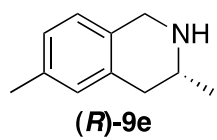


S123

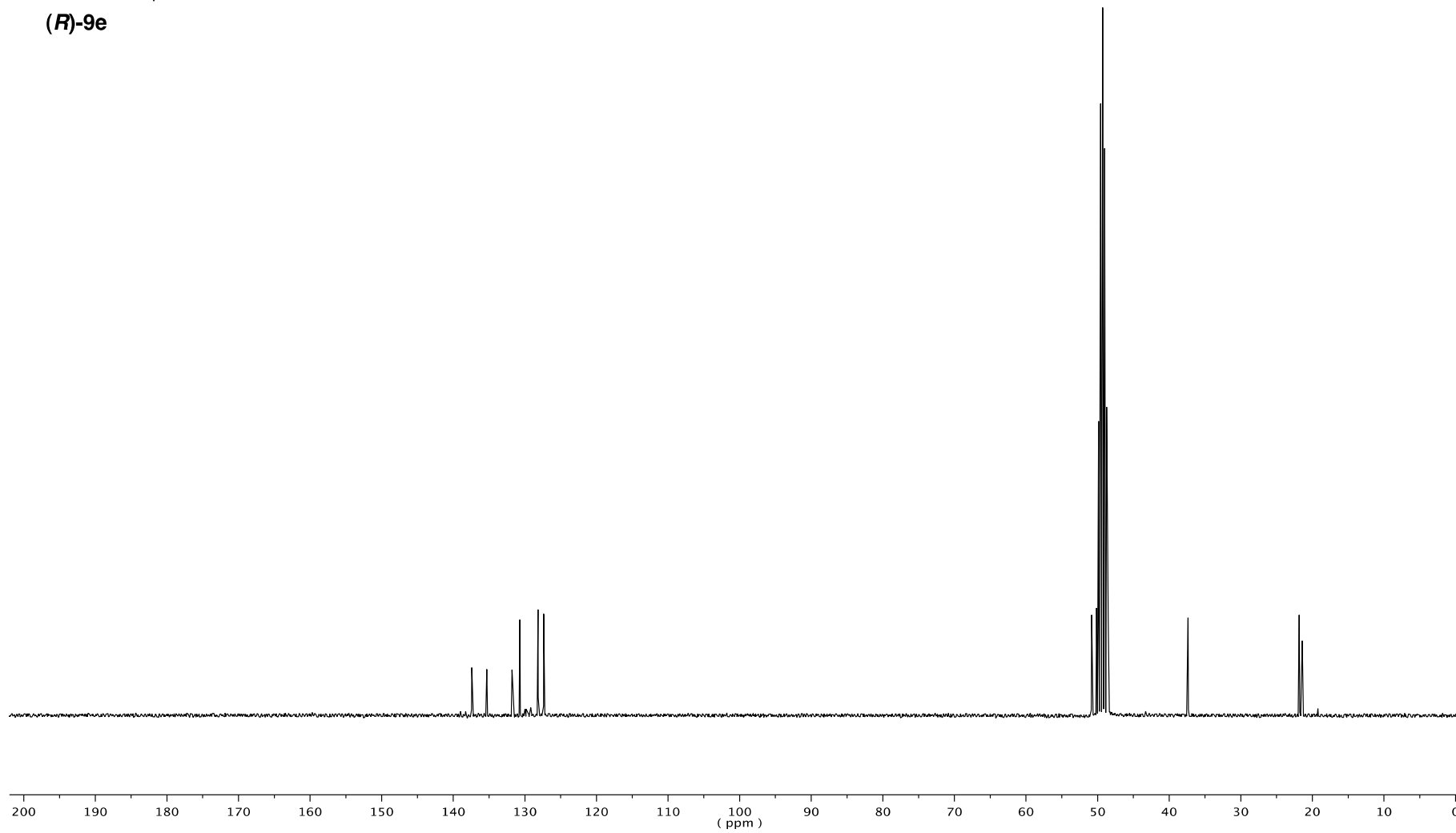
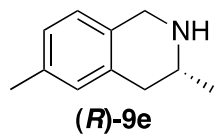


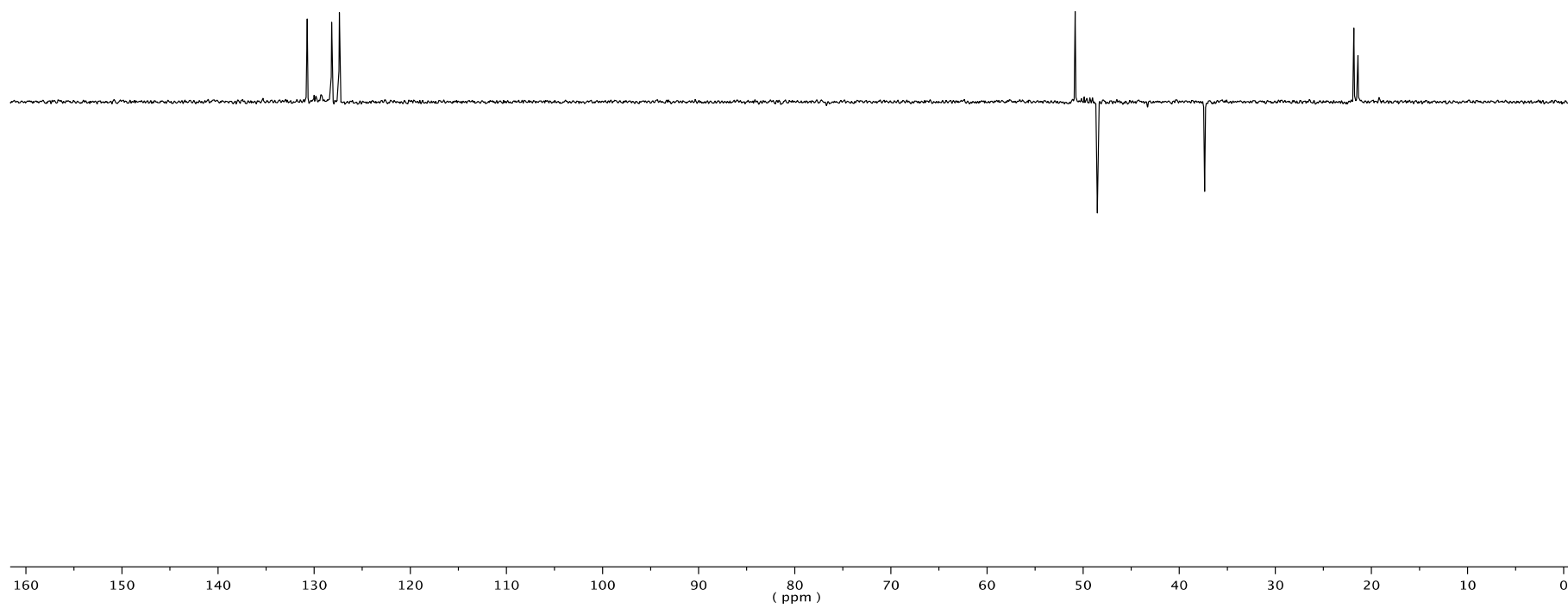
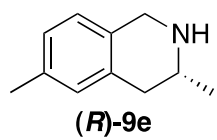
S124

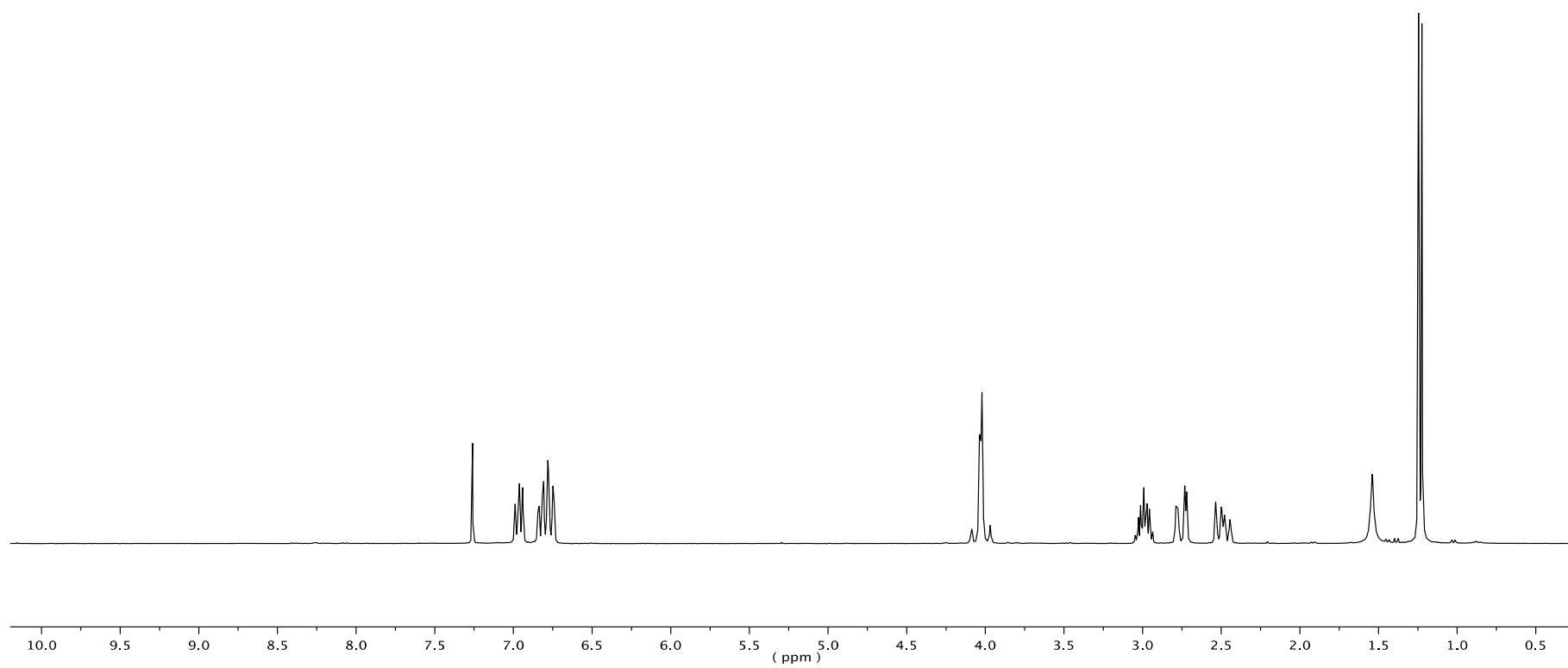
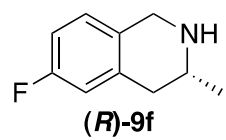




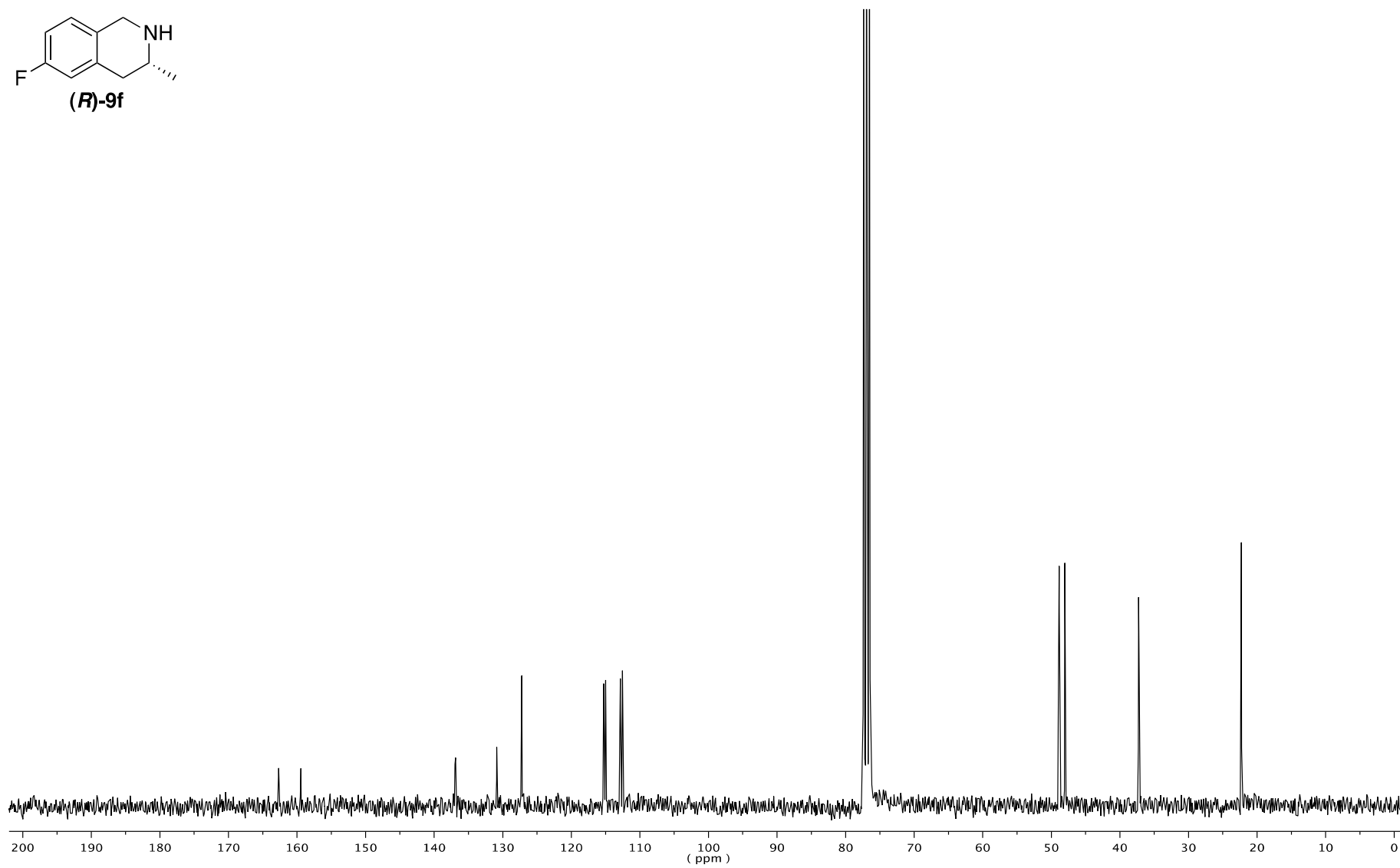
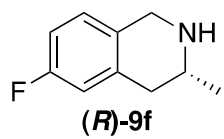
S126



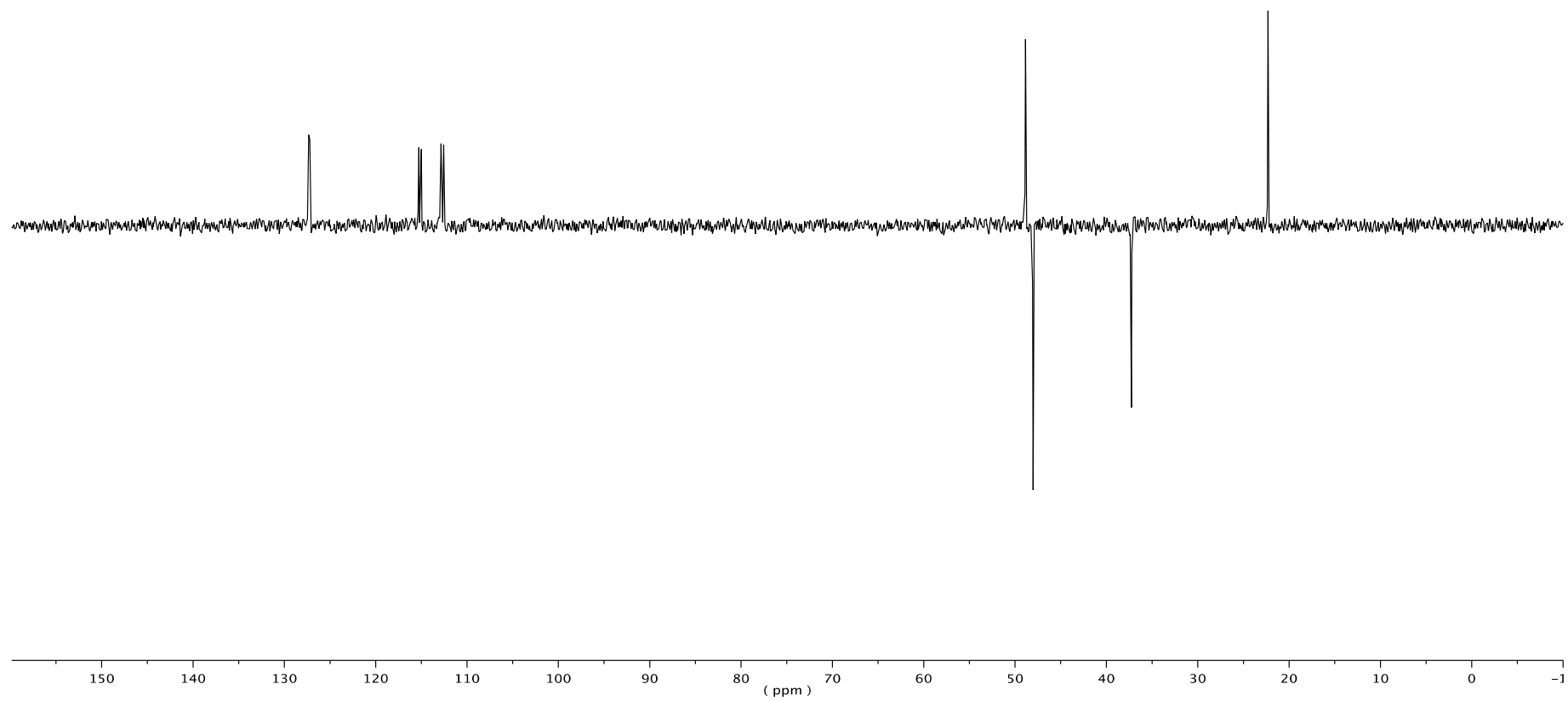
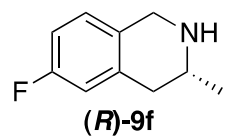




S129



S130



S131