

Supporting Information
for
Intermolecular Sequential [4+2]-Cycloaddition-Aromatization
Reaction of Aryl-Substituted Allenes with DMAD Affording
Phenanthrene and Naphthalene Derivatives

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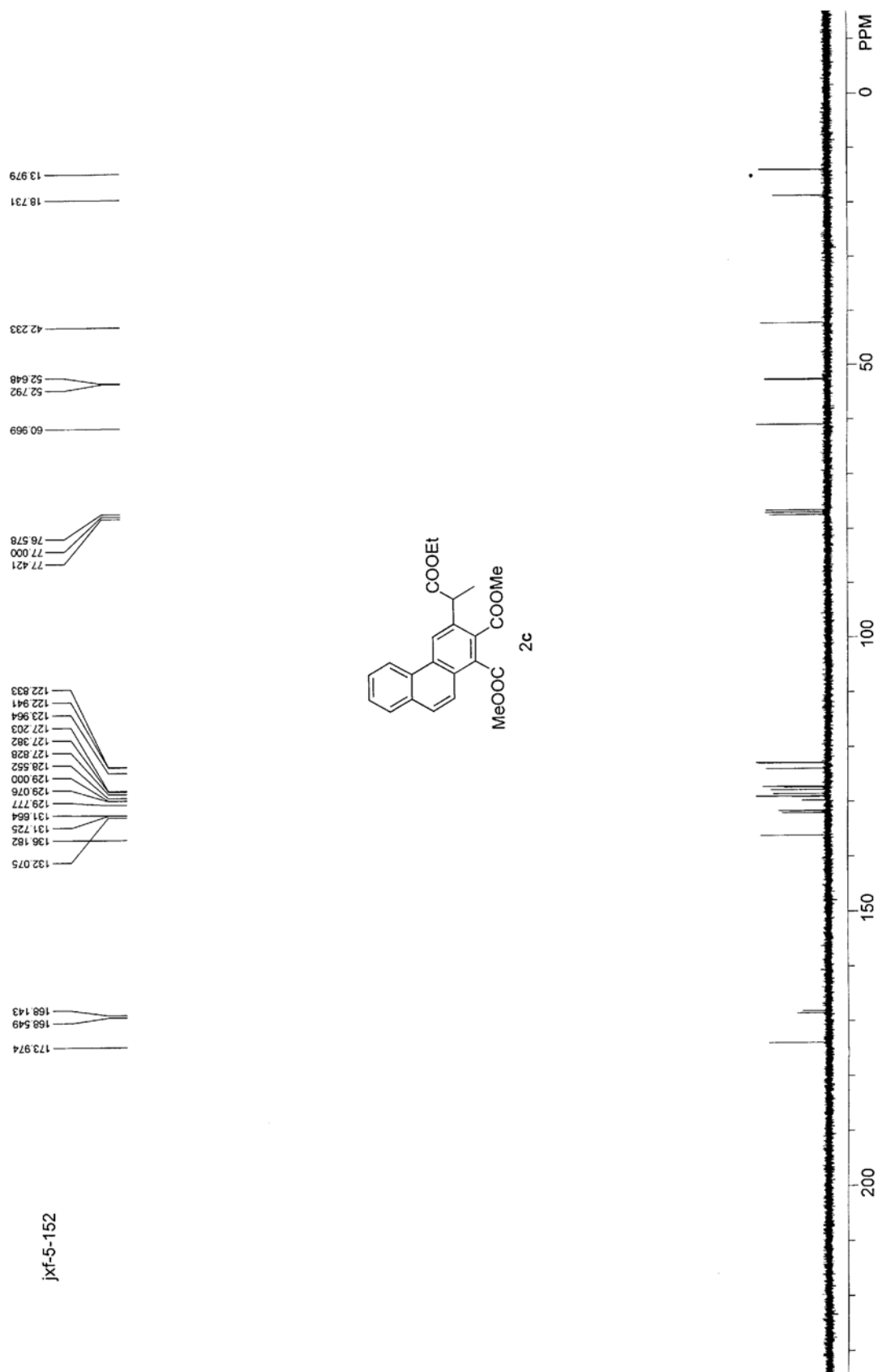
masm@mail.sioc.ac.cn

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¹H NMR and ¹³C NMR spectra for compounds **2c-l** and **4**

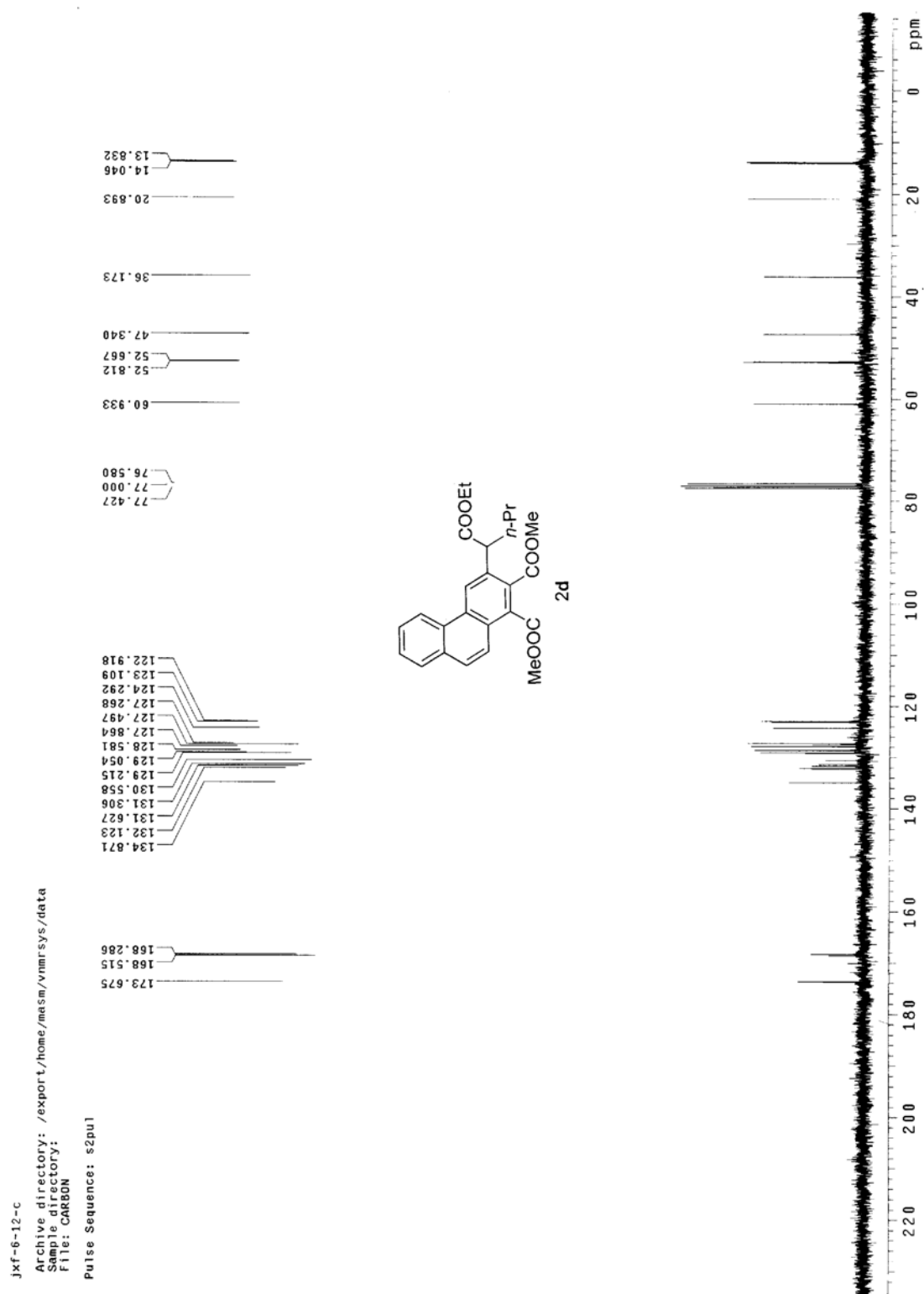
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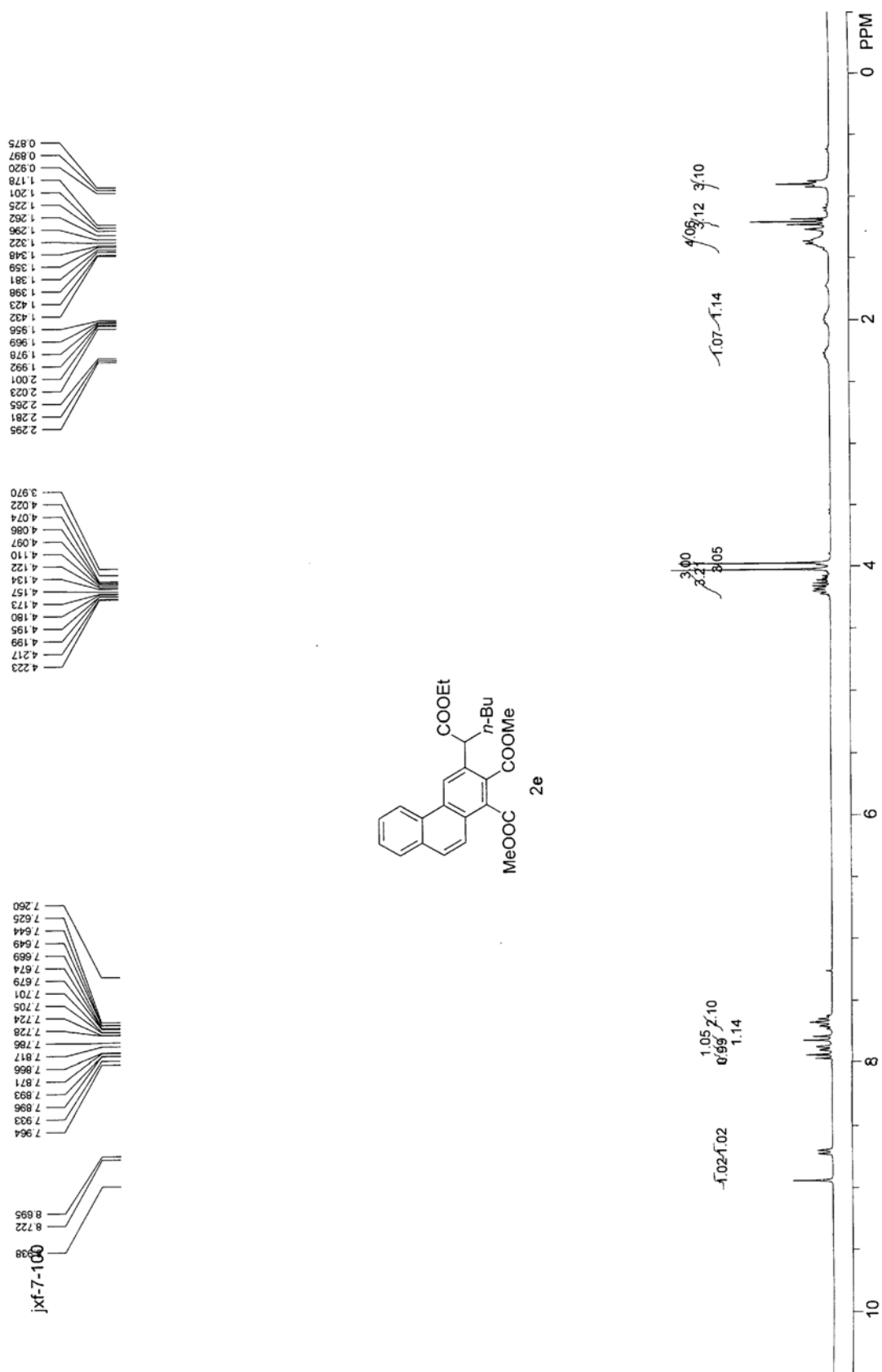


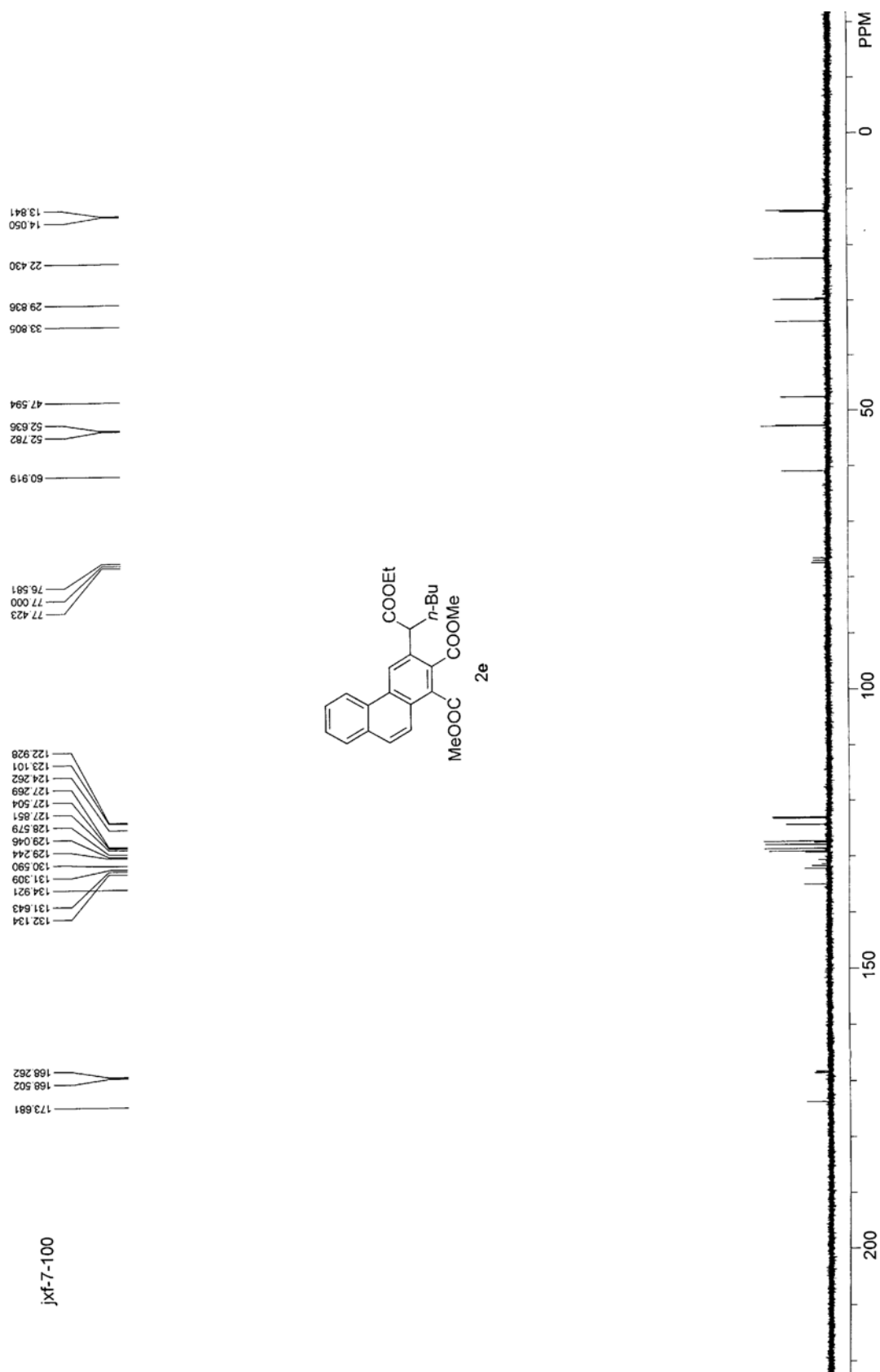


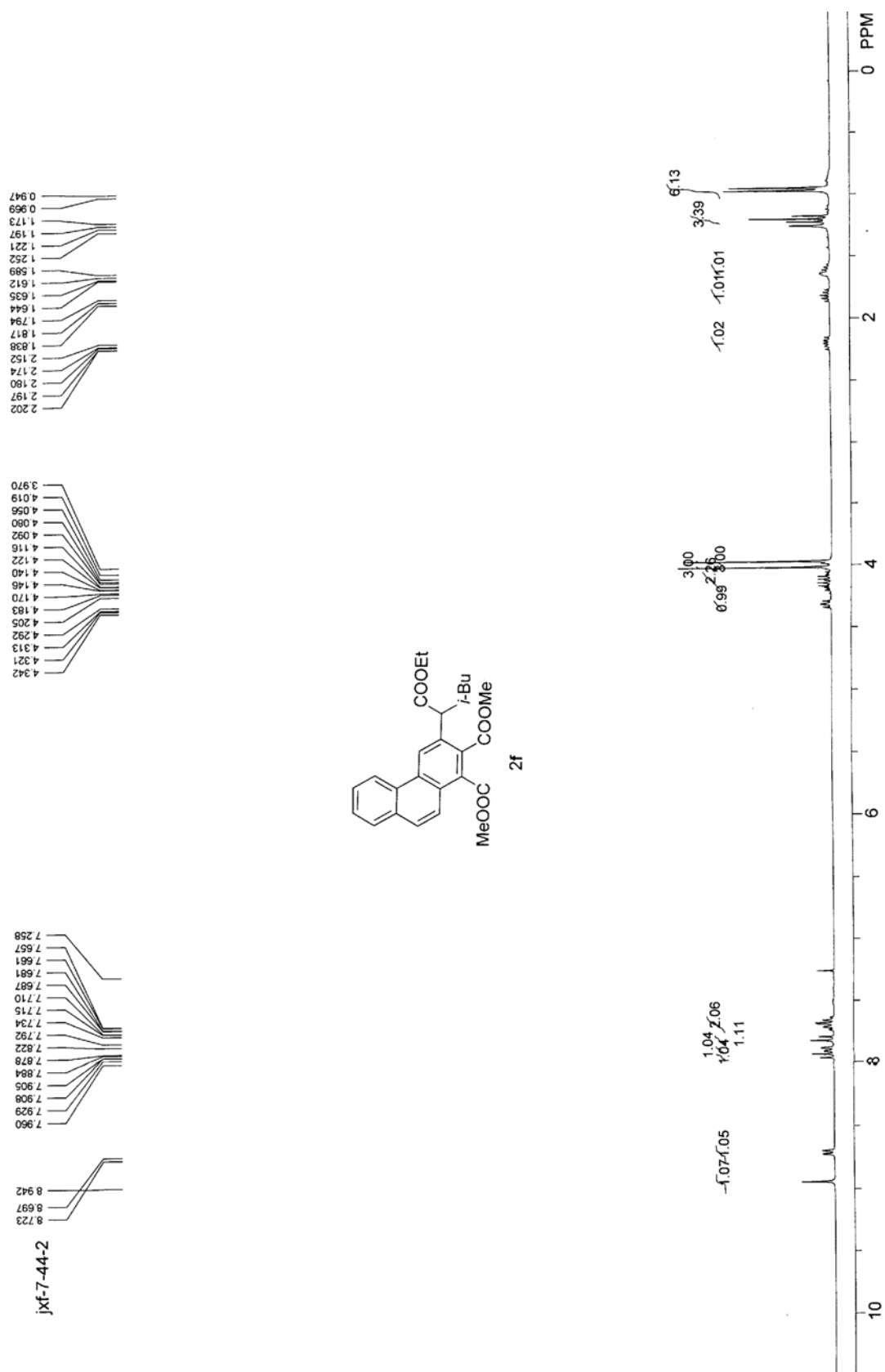
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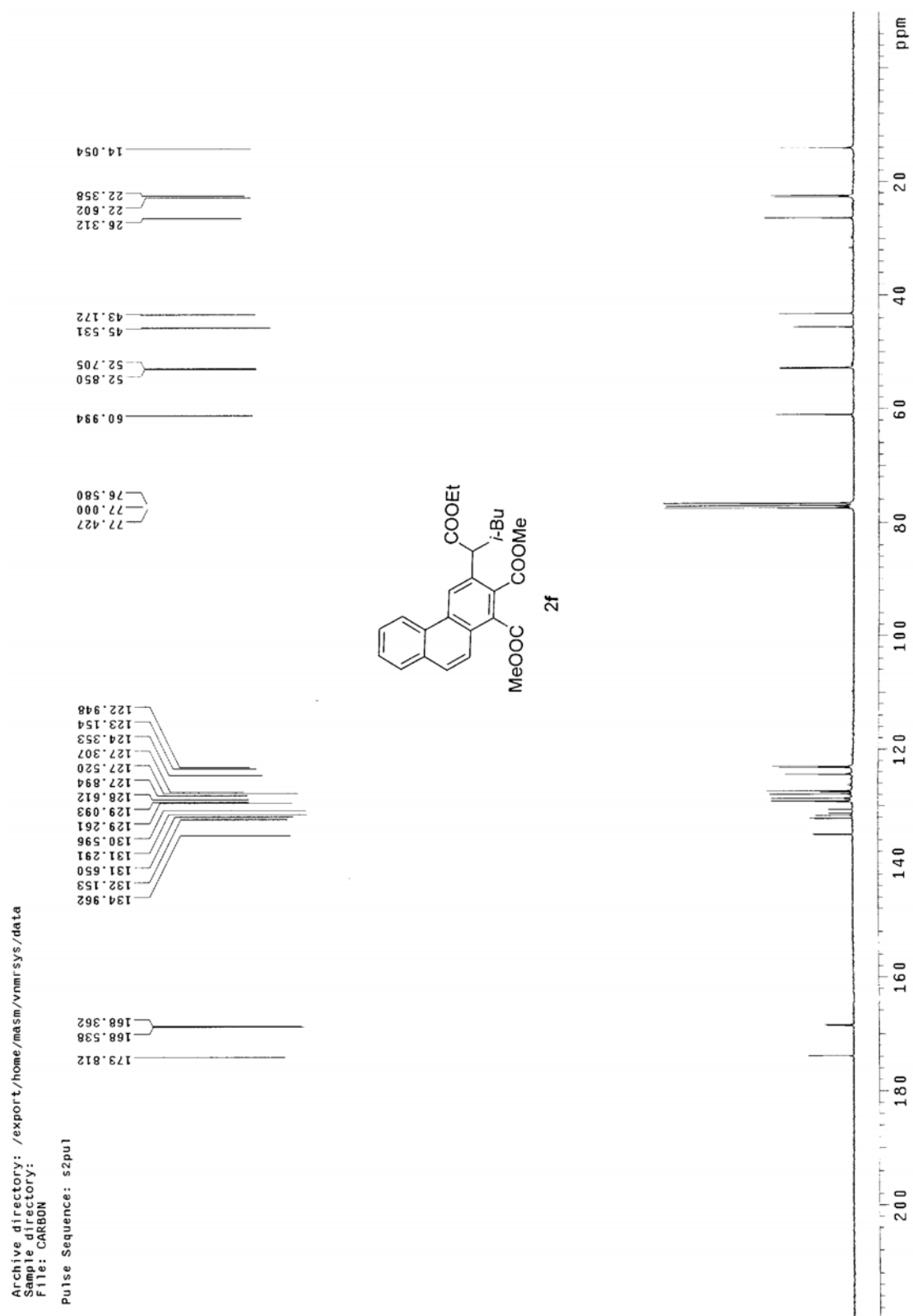


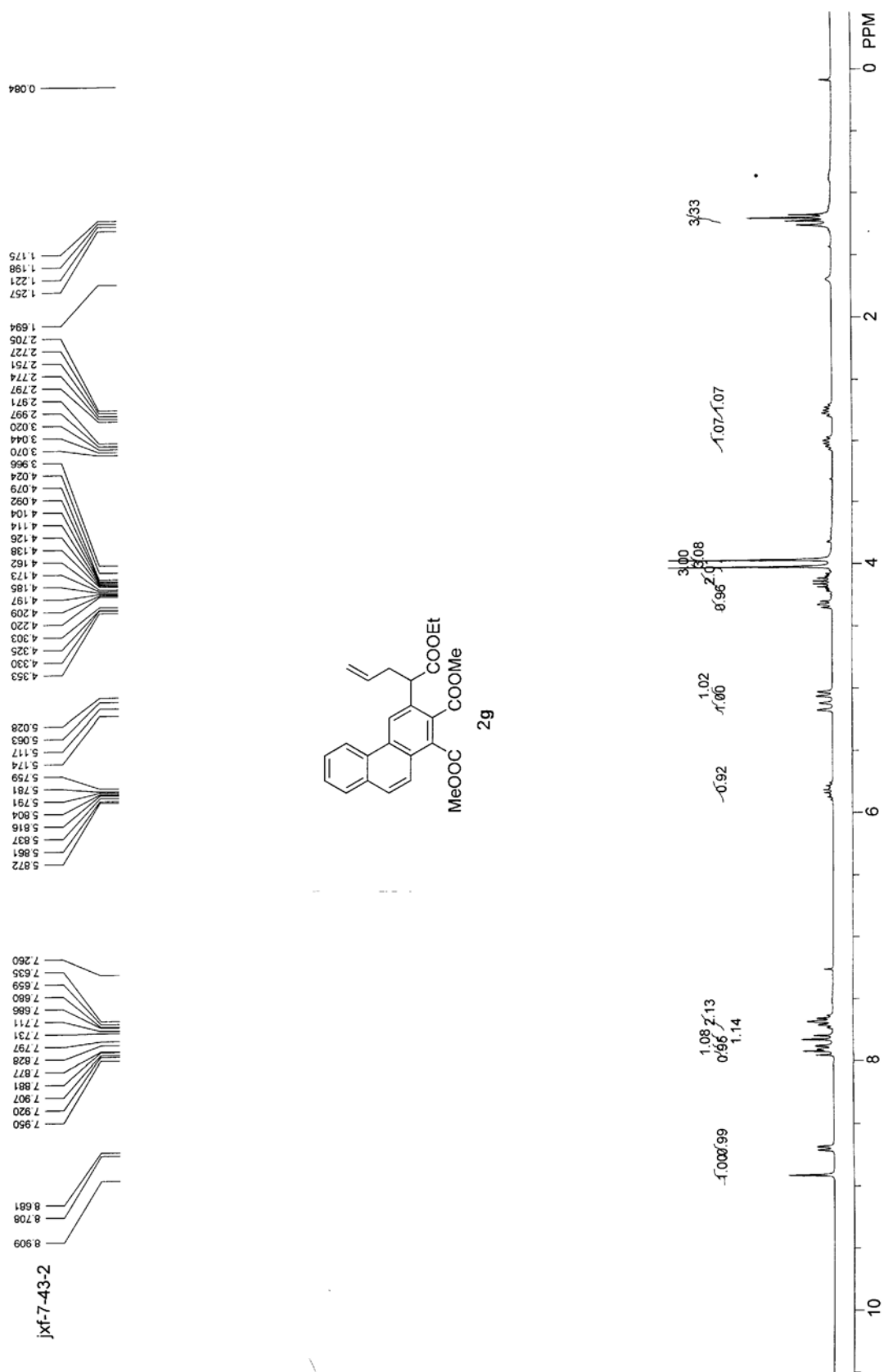


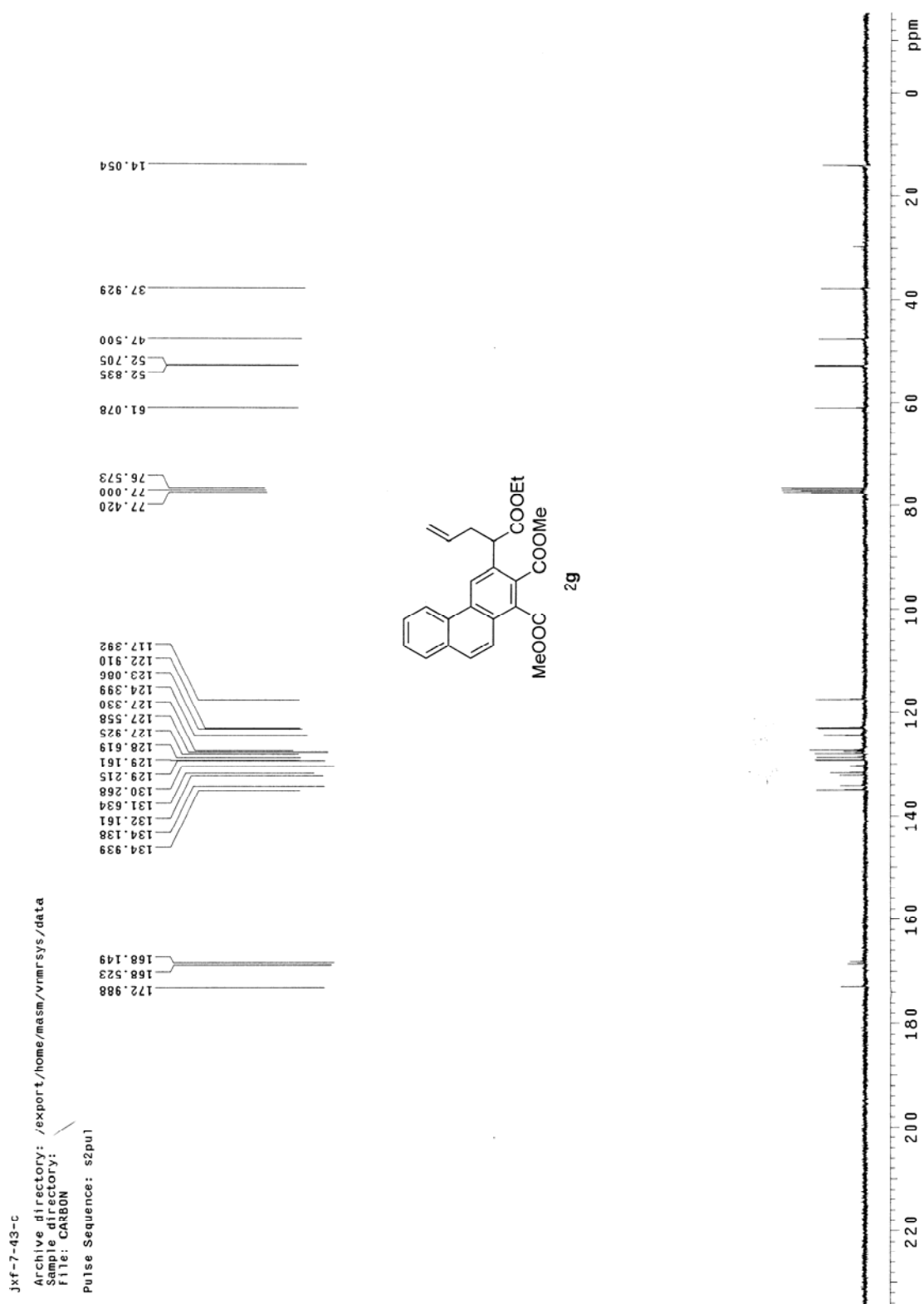


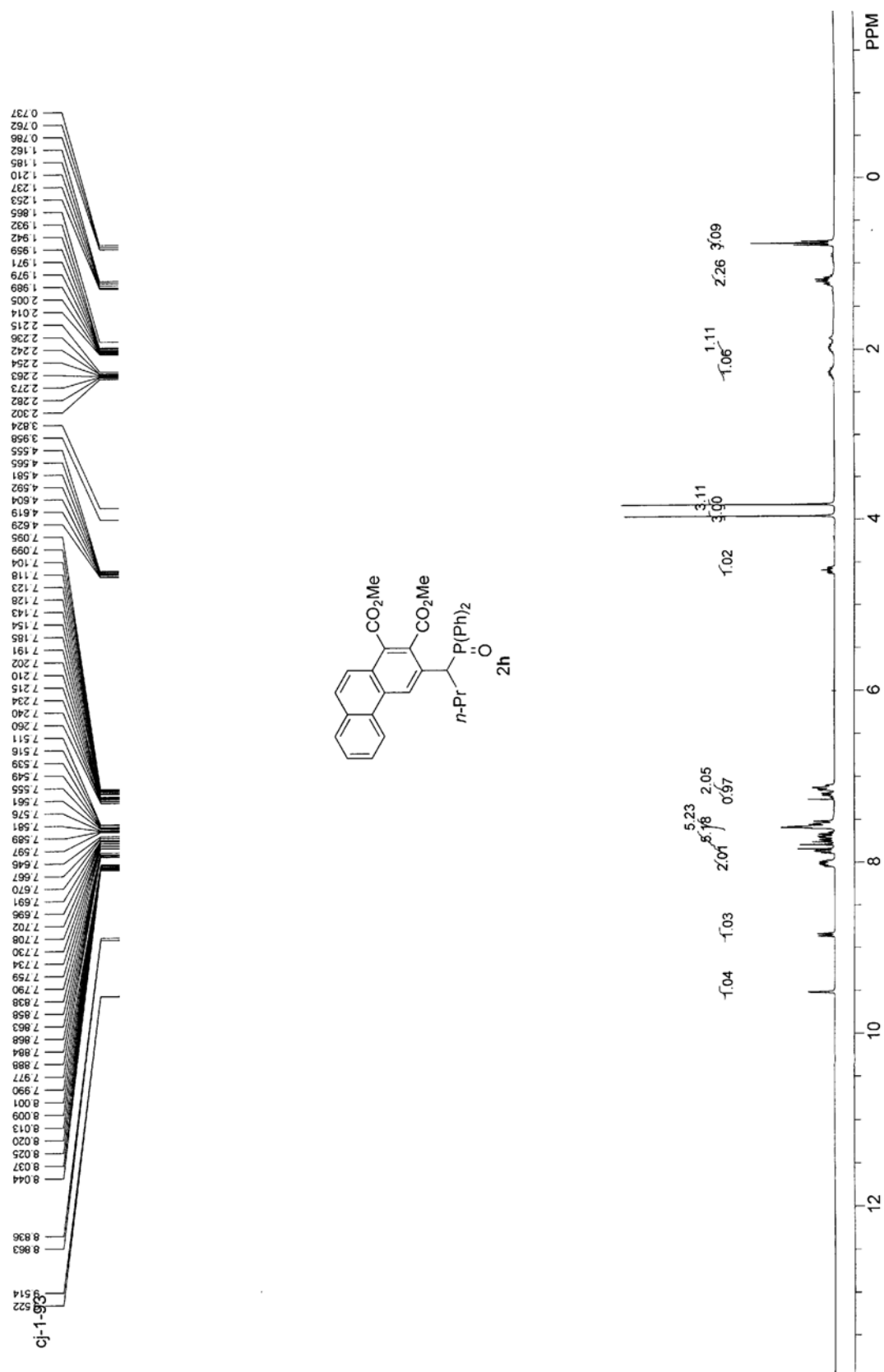






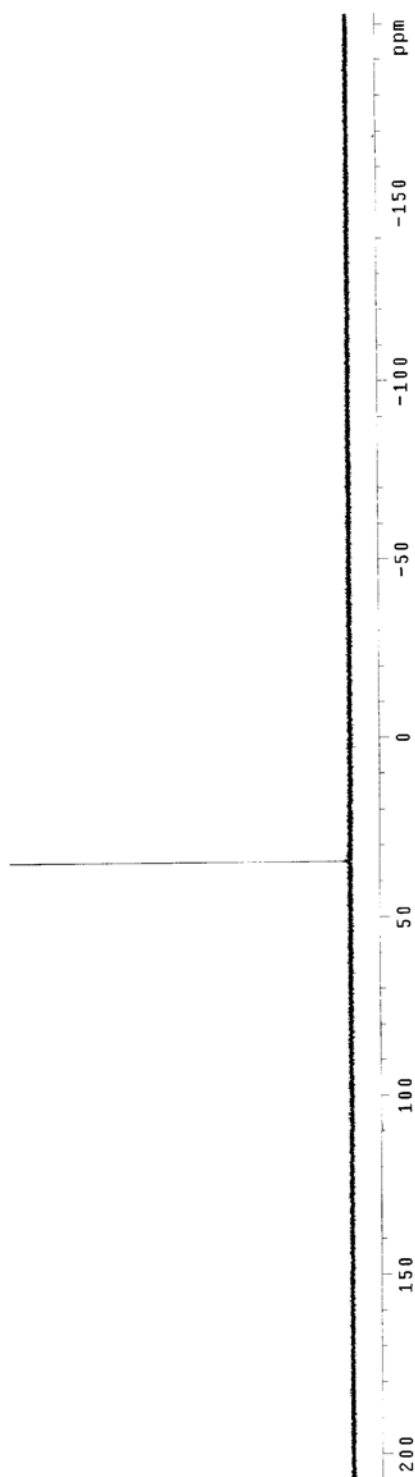
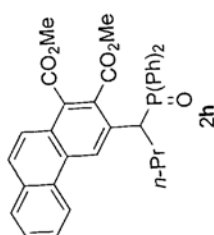


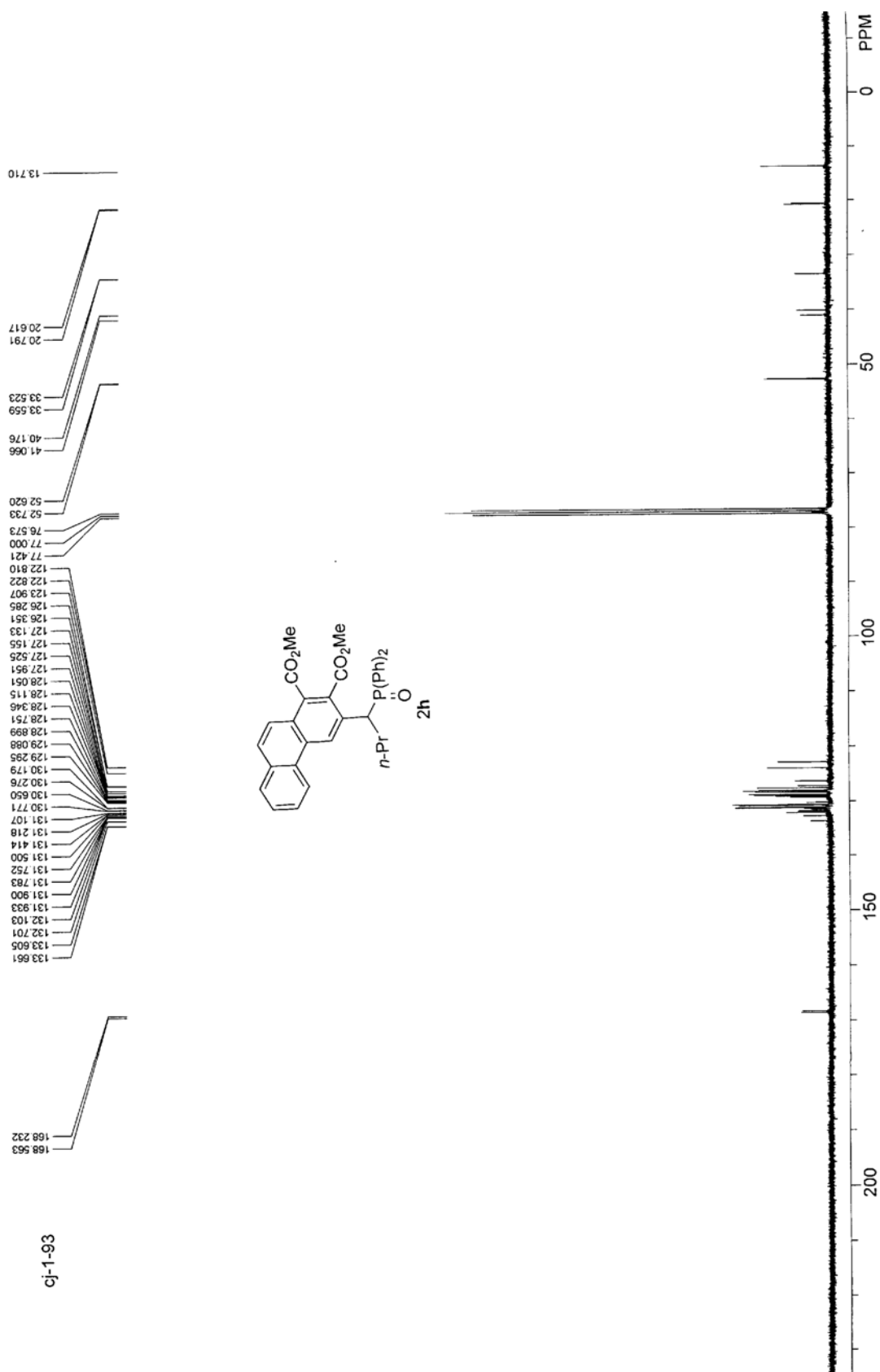


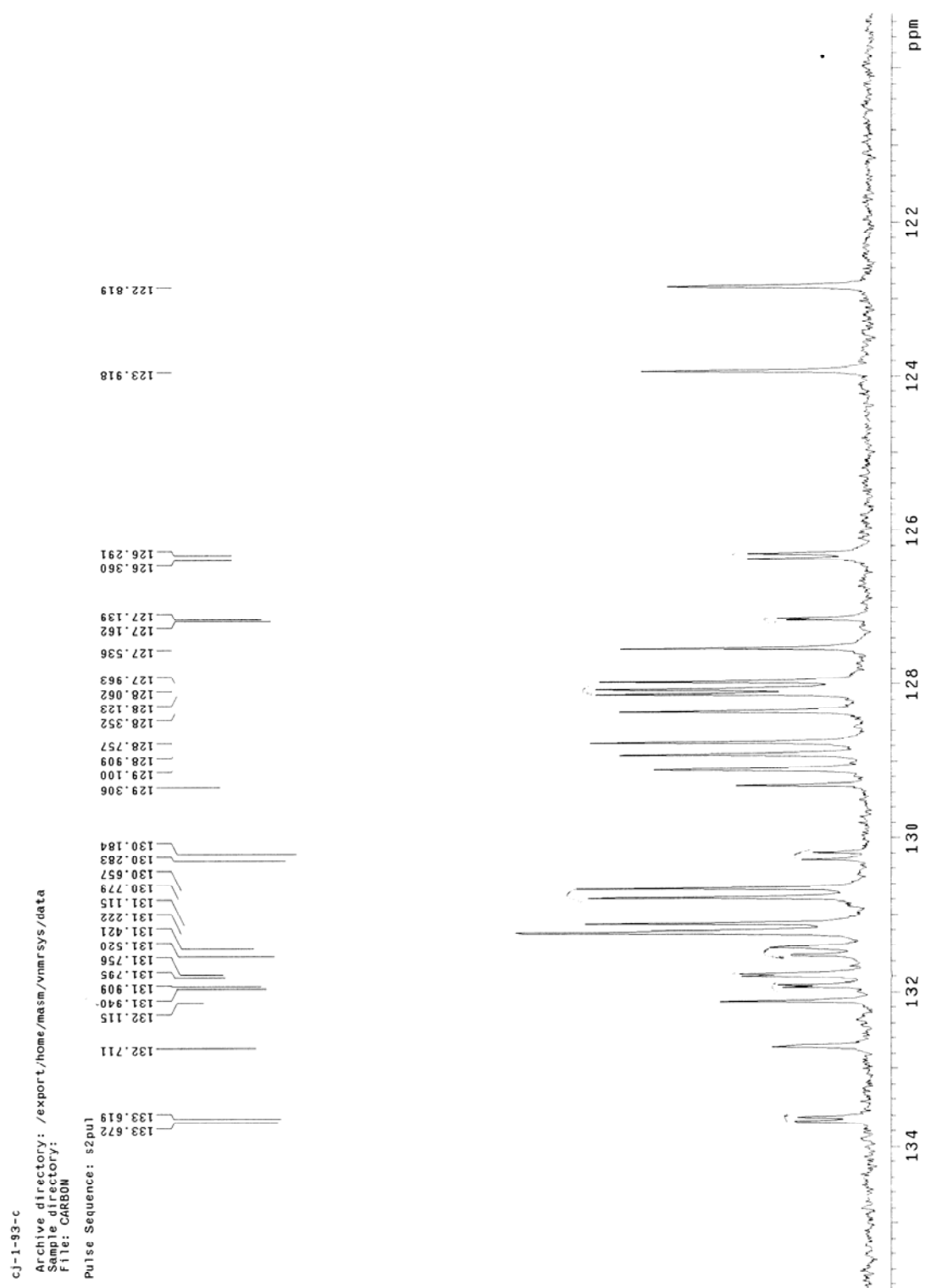


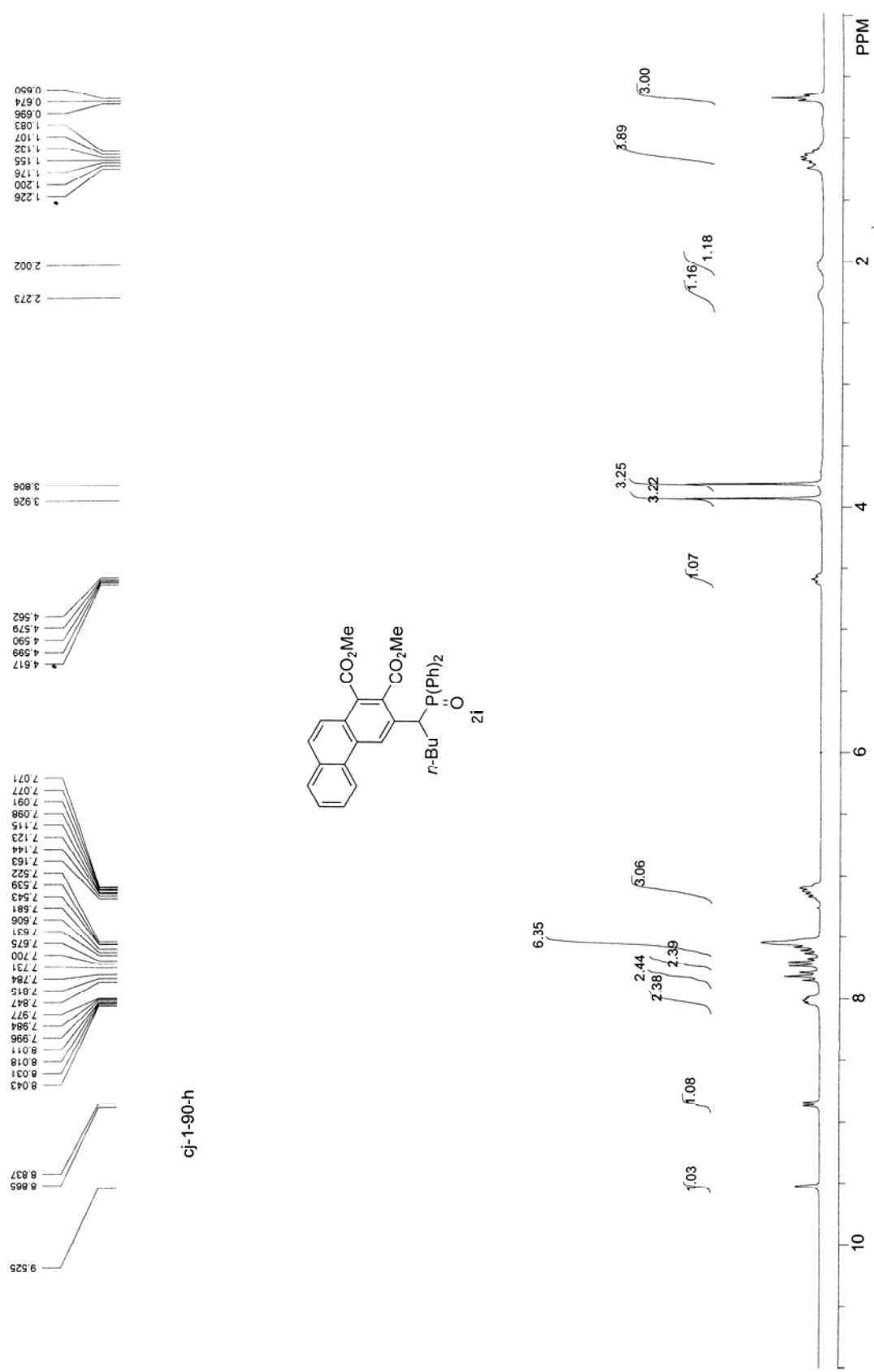
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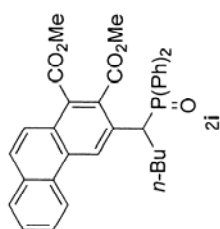






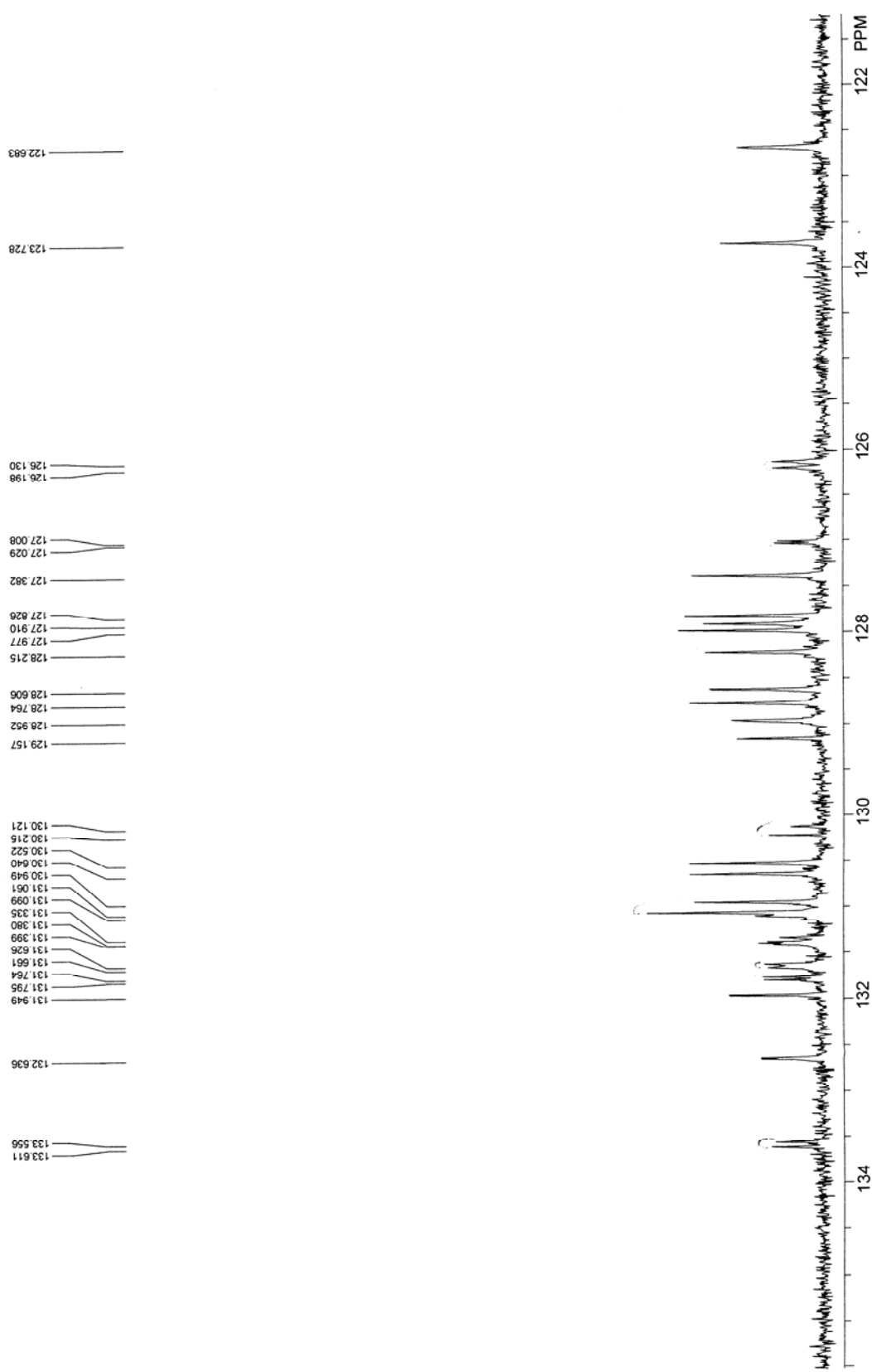
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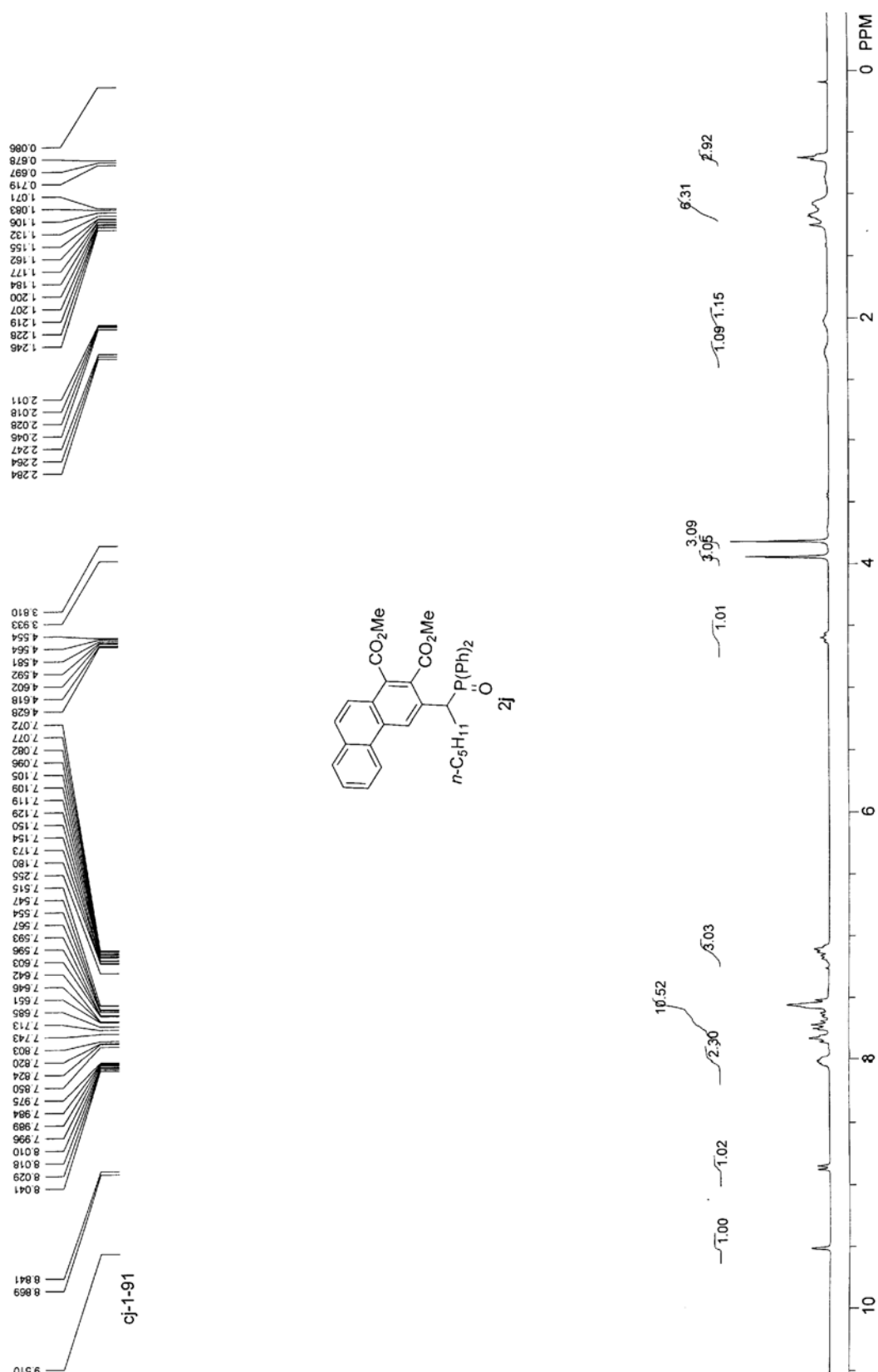
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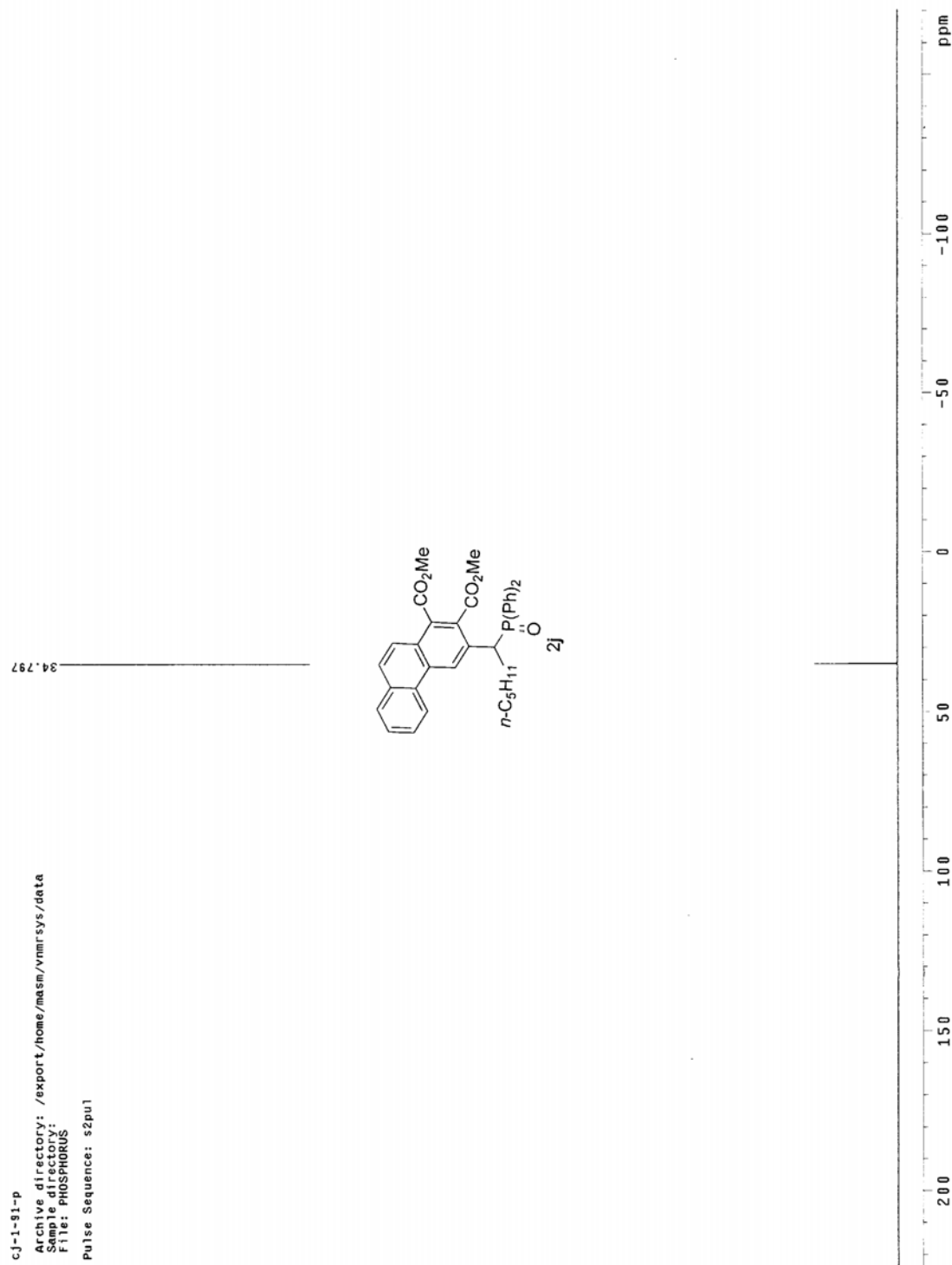


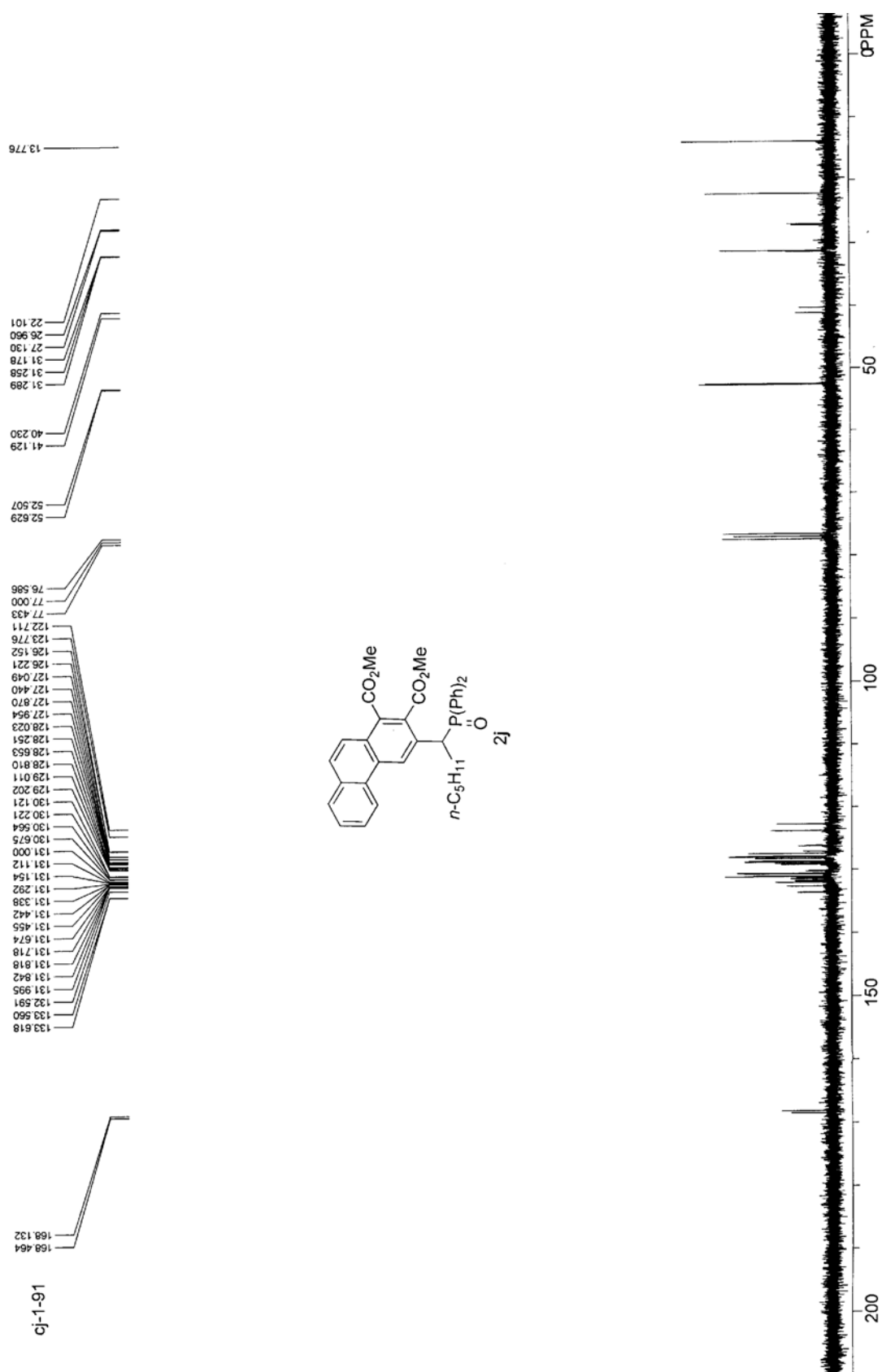
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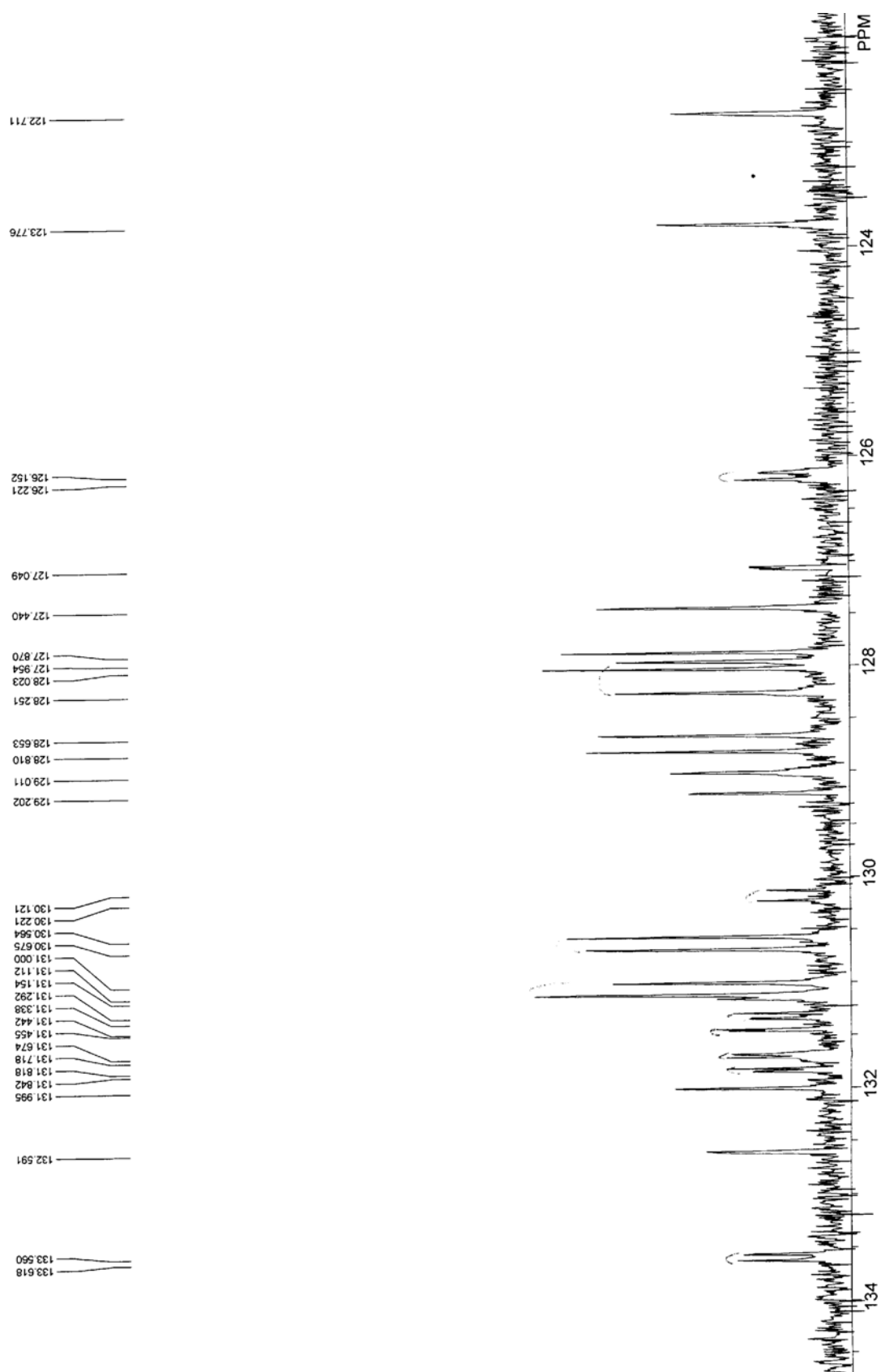


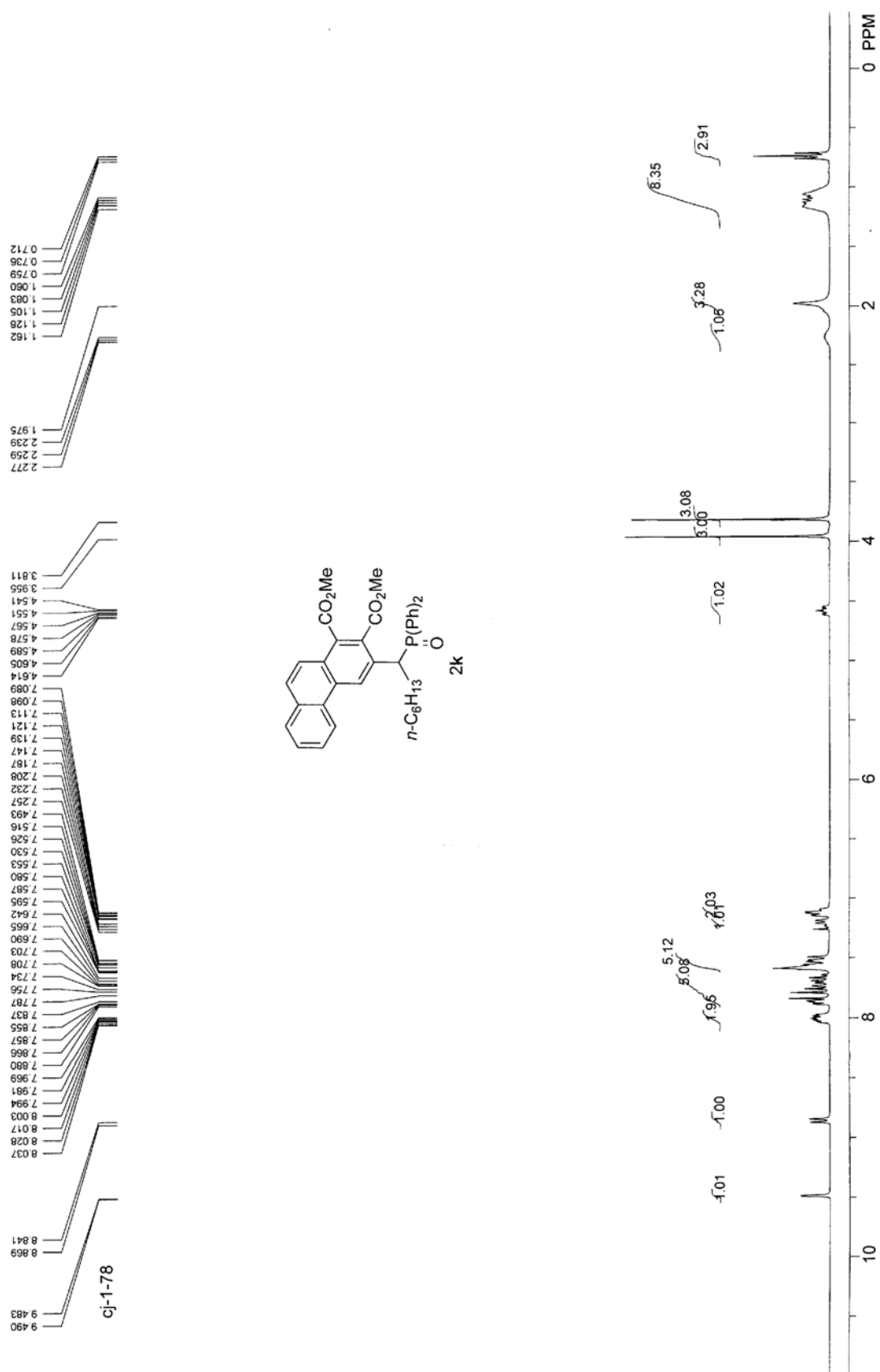


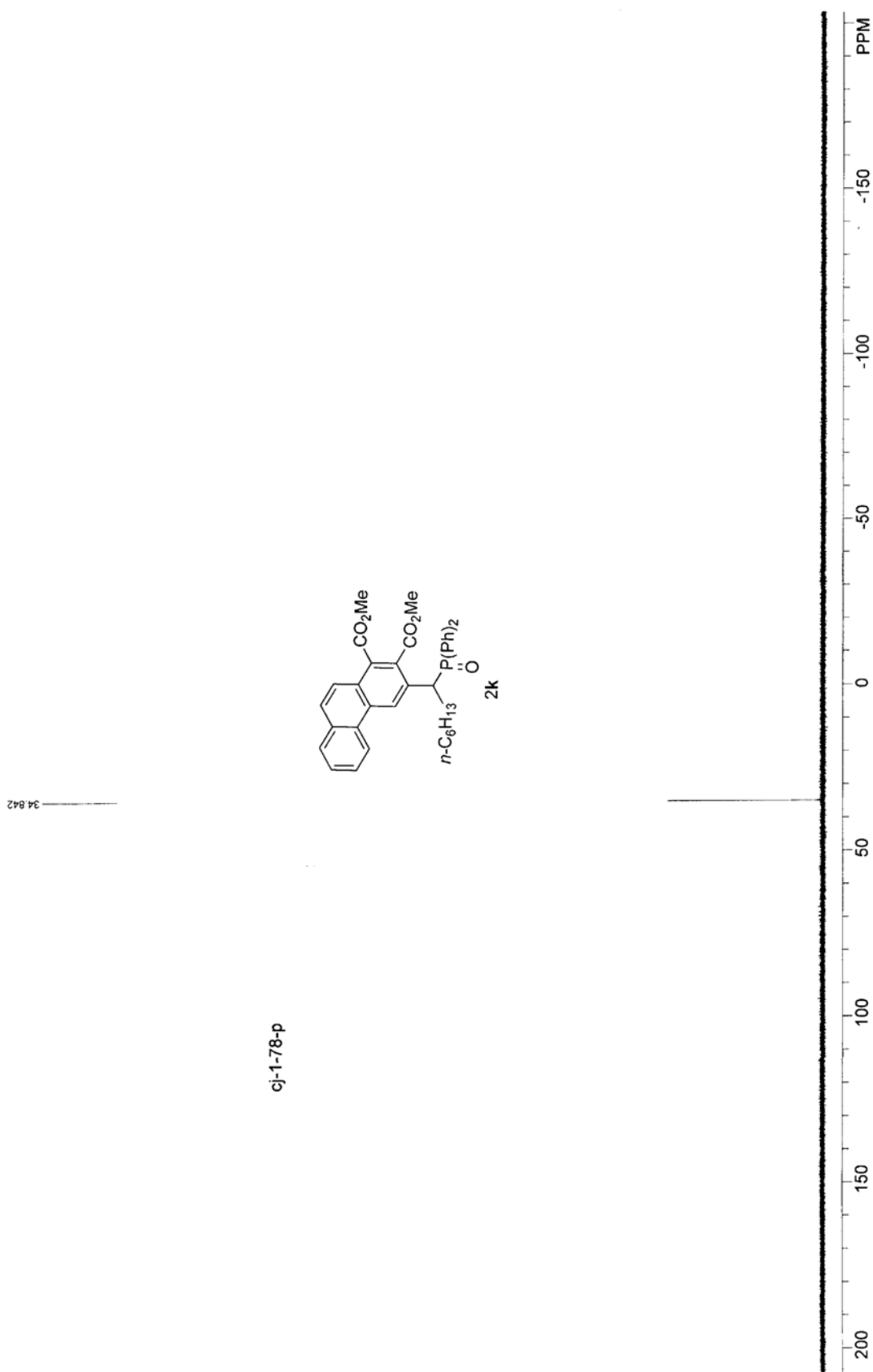


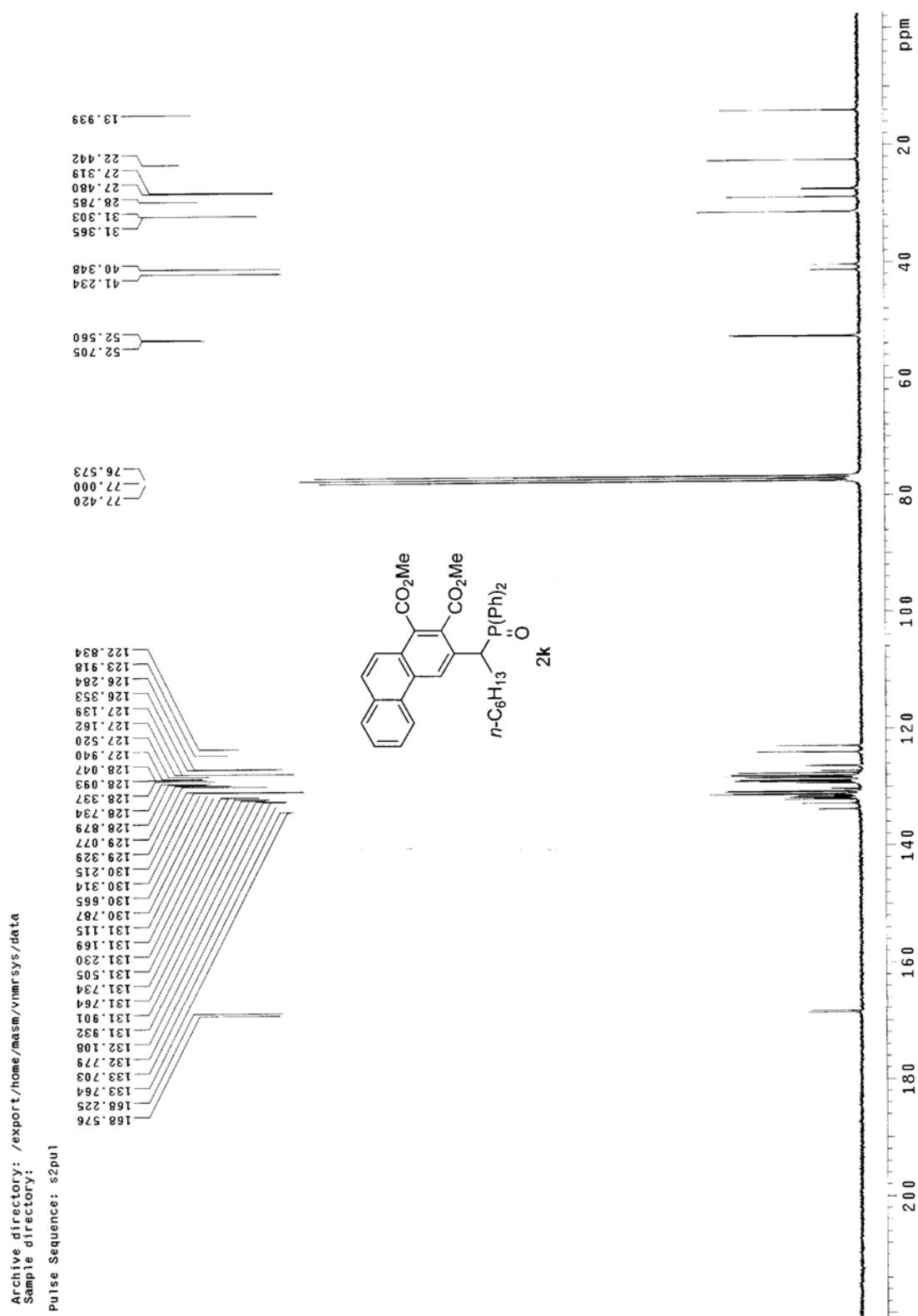


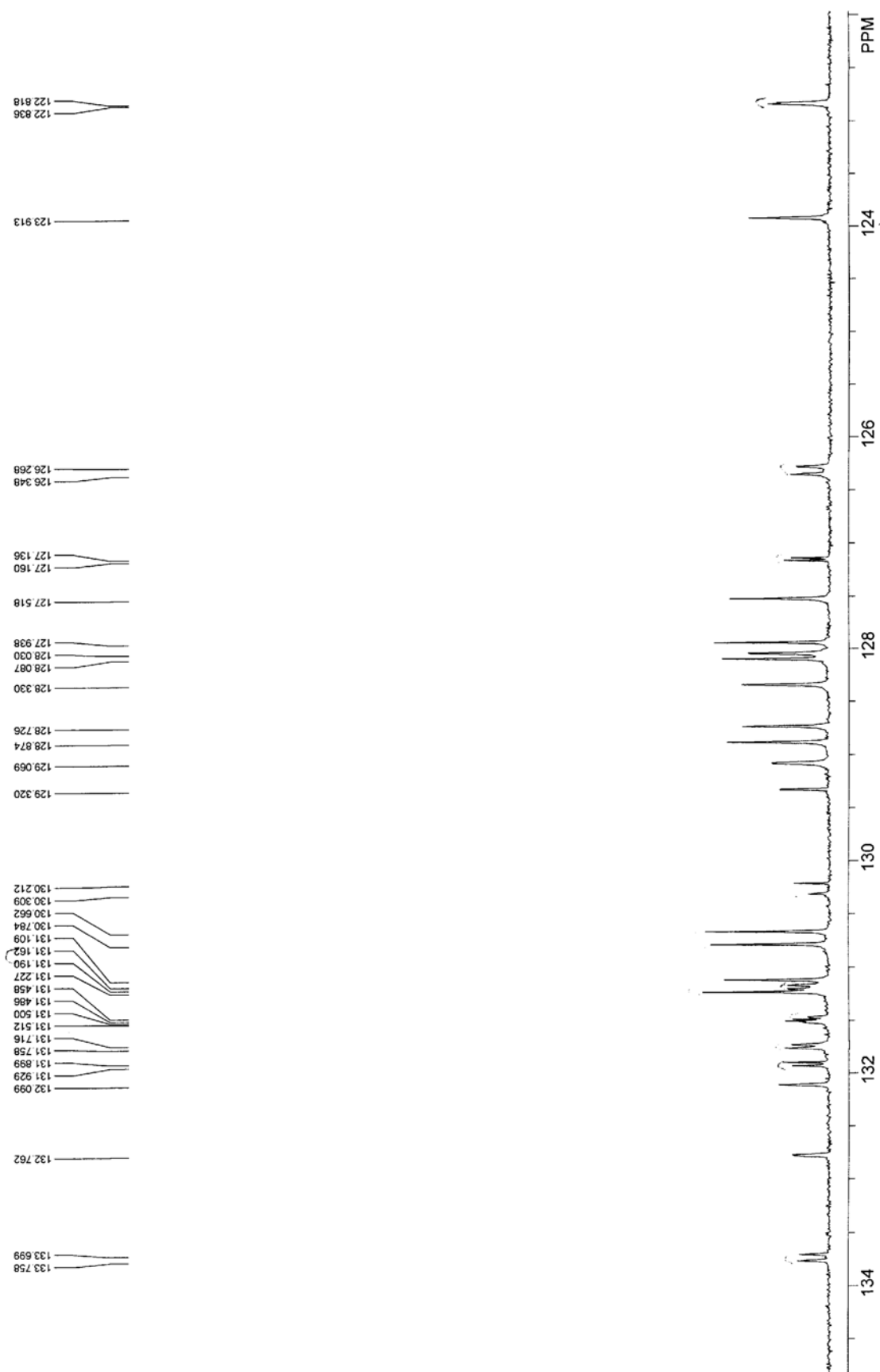


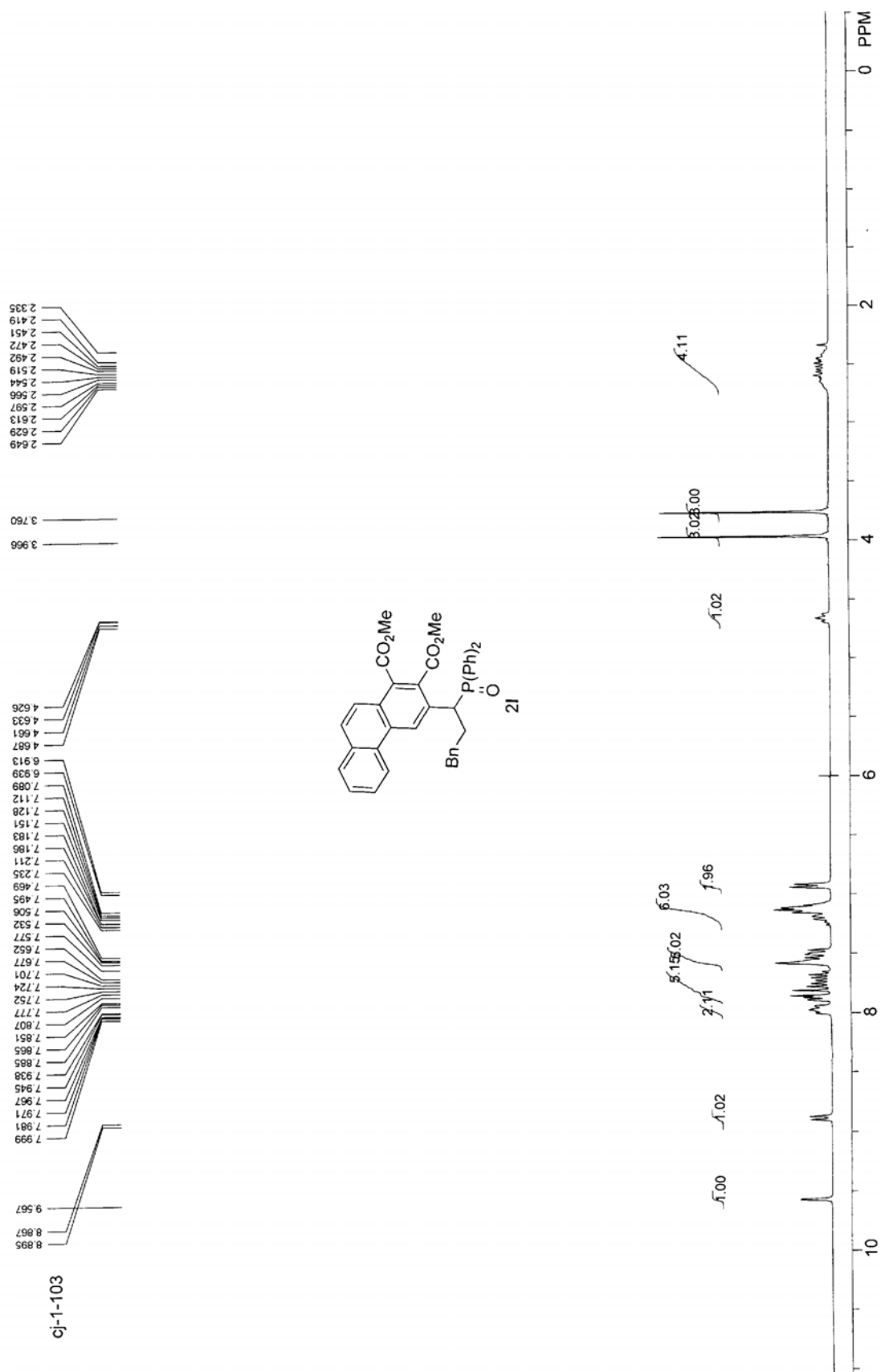


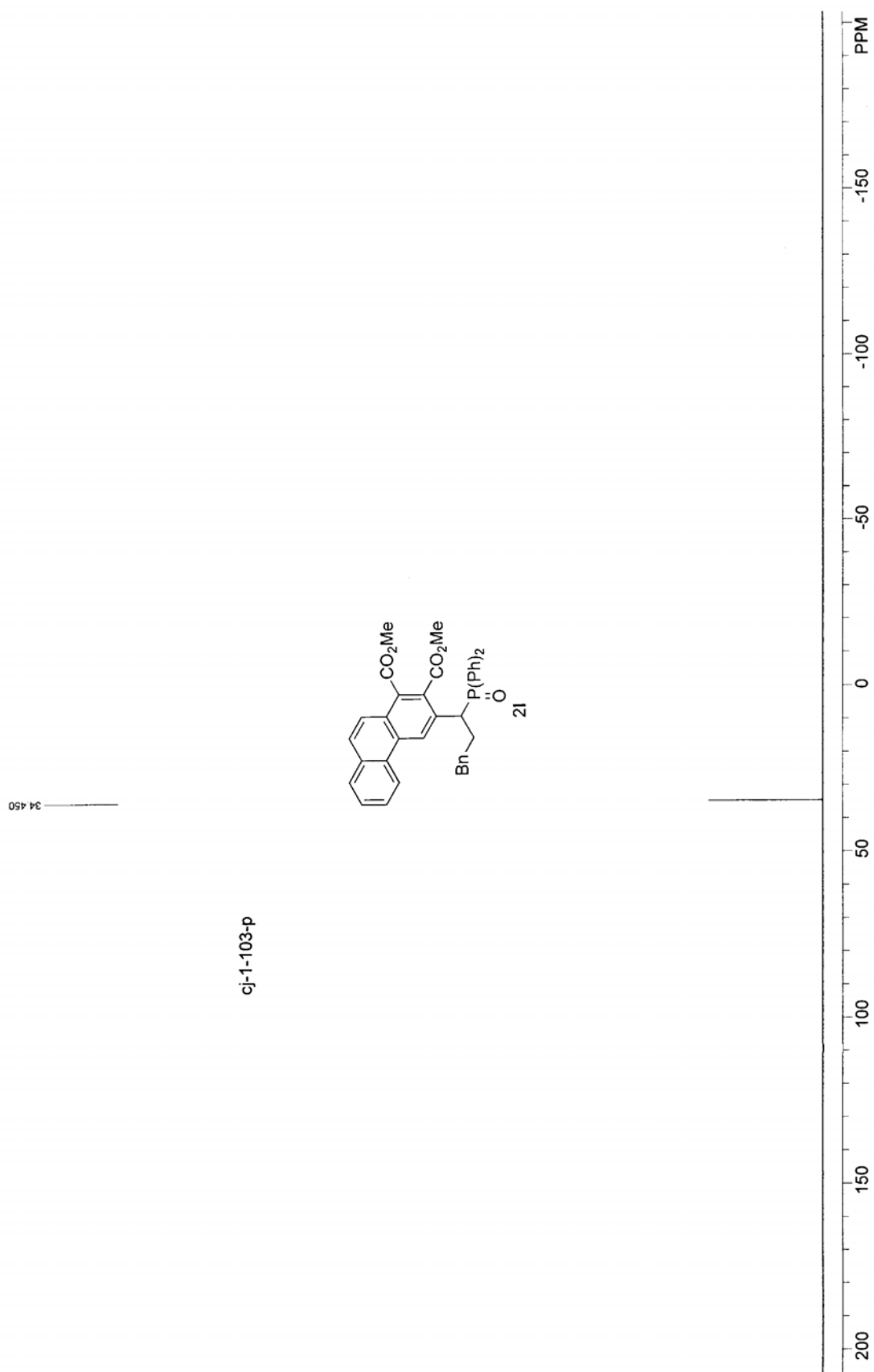




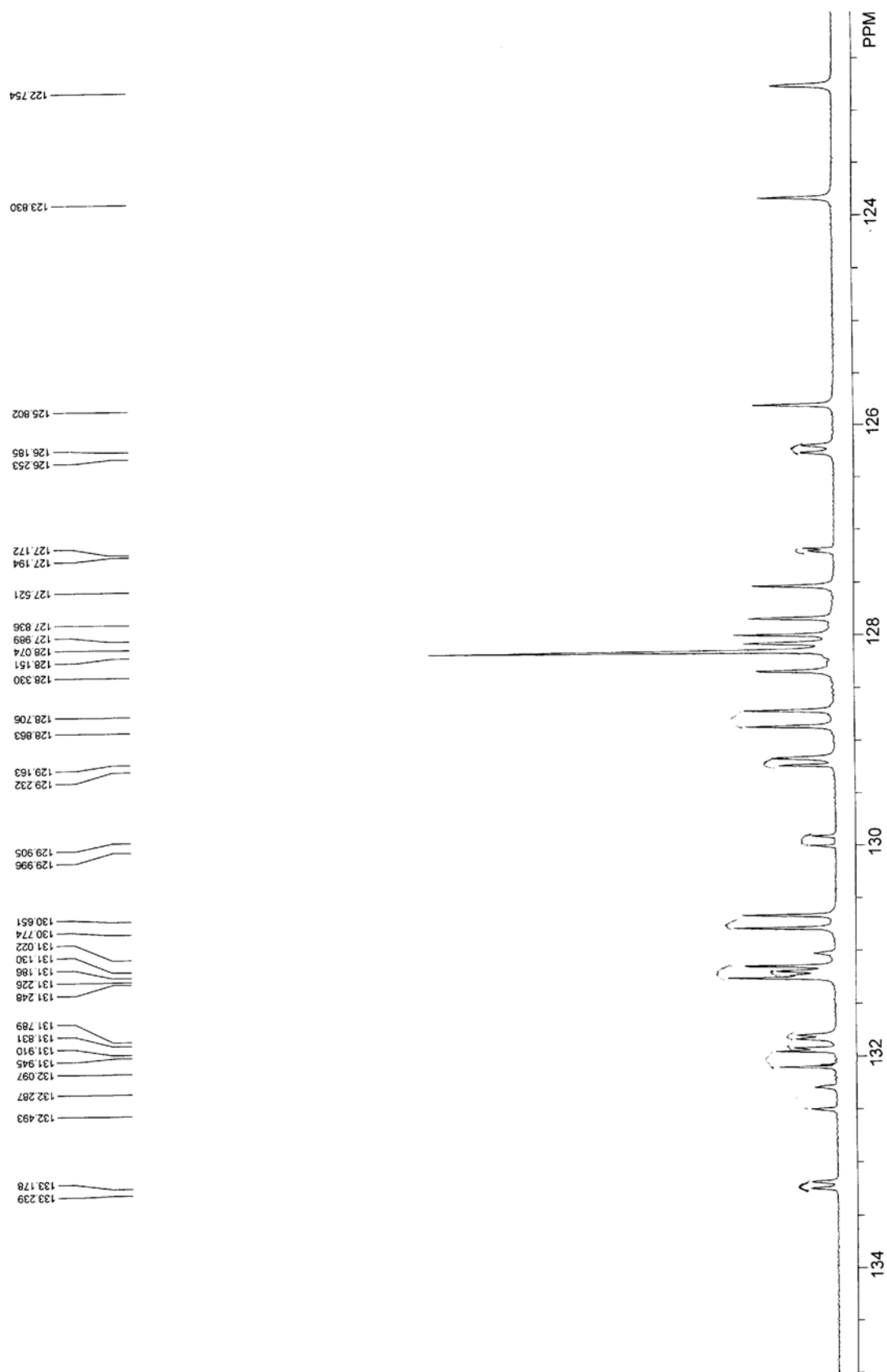


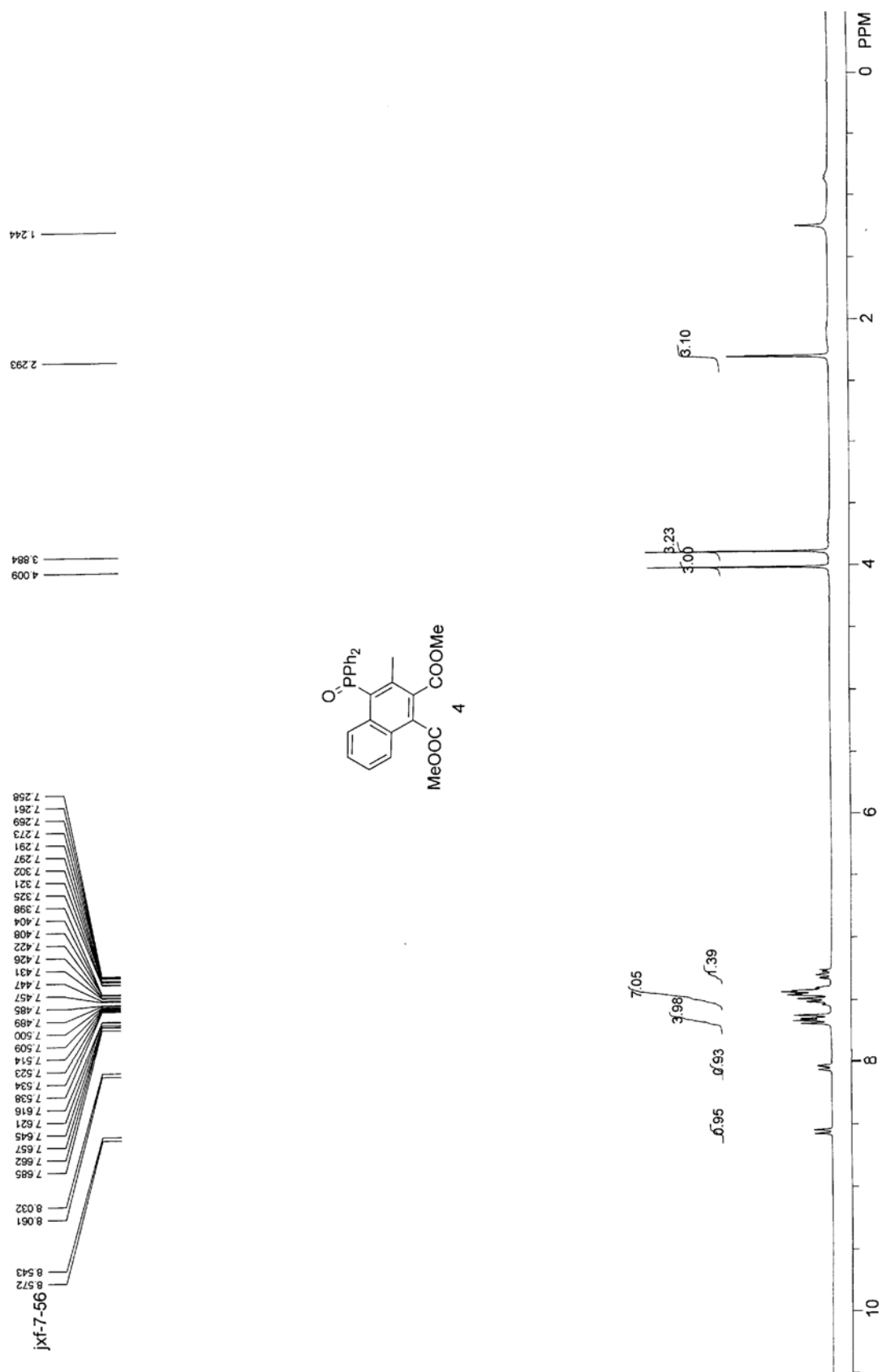












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