

Supporting Information-II

NMR Spectral Data

Multi-catalysis Reactions: Direct Organocatalytic Sequential One-pot Synthesis of Highly Functionalized Cyclopenta[b]chromen-1-ones

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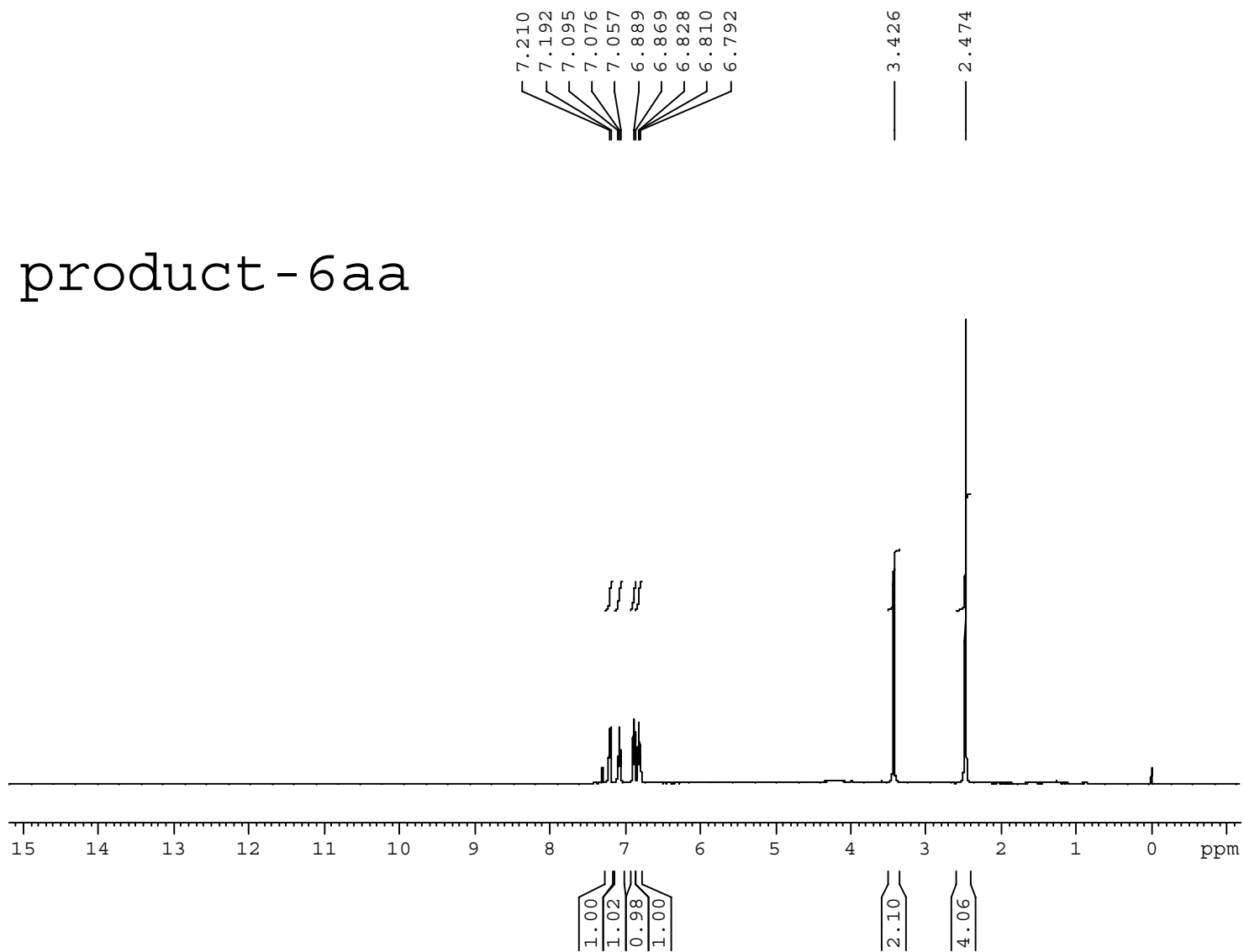
Key Note about the NMR plots: *Due to the keto-enol tautomerism in 2-alkyl or 2-aryl-cyclopentane-1,3-dione compounds, ^{13}C NMR shows some of carbons (2 x CH_2 and 2 x $\text{C}=\text{O}$) are poor resolution even after more scans in the solvent system of CDCl_3 or $\text{CDCl}_3 + \text{CD}_3\text{OD}$ (three drops).*

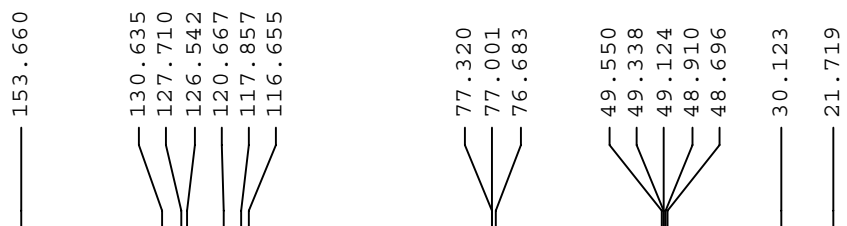
CONTENTS

Page No.

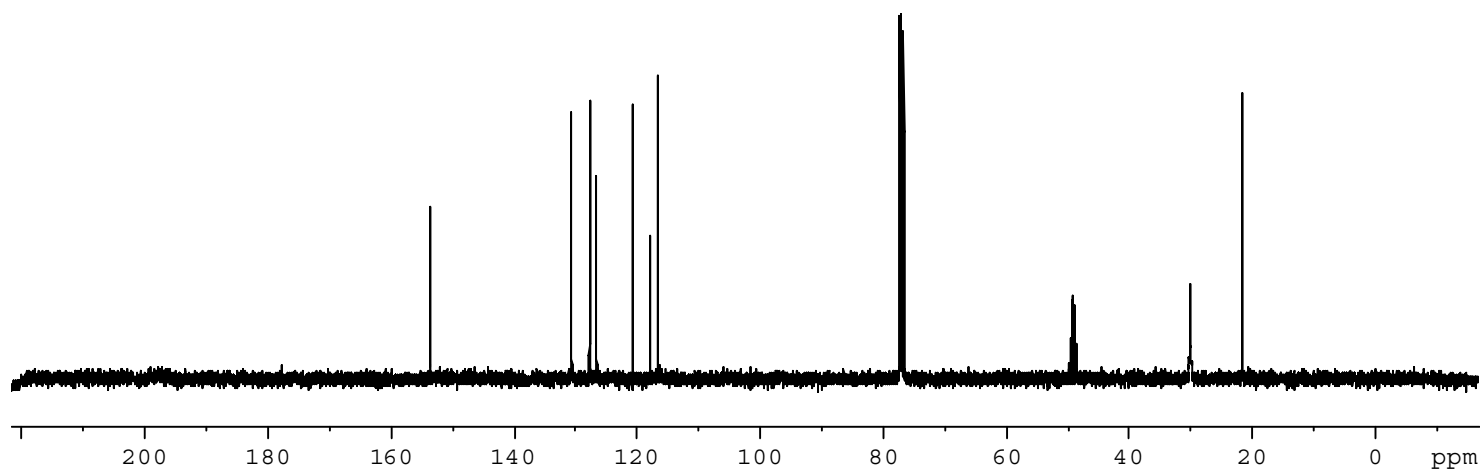
1. ^1H NMR, ^{13}C NMR and DEPT Spectrums of Compound 6aa	S4-6
2. ^1H NMR, ^{13}C NMR and DEPT Spectrums of Compound 6ab	S7-9
3. ^1H NMR, ^{13}C NMR and DEPT Spectrums of Compound 6ac	S10-12
4. ^1H NMR, ^{13}C NMR and DEPT Spectrums of Compound 6ad	S13-15
5. ^1H NMR, ^{13}C NMR and DEPT Spectrums of Compound 6ae	S16-18
6. ^1H NMR, ^{13}C NMR and DEPT Spectrums of Compound 6af	S19-21
7. ^1H NMR, ^{13}C NMR and DEPT Spectrums of Compound 6ag	S22-24
8. ^1H NMR, ^{13}C NMR and DEPT Spectrums of Compound 6ah	S25-27
9. ^1H NMR, ^{13}C NMR and DEPT Spectrums of Compound 6ai	S28-30
10. ^1H NMR, ^{13}C NMR and DEPT Spectrums of Compound 6ca	S31-33
11. ^1H NMR, ^{13}C NMR and DEPT Spectrums of Compound 6cb	S34-36
12. ^1H NMR, ^{13}C NMR and DEPT Spectrums of Compound 6cf	S37-39
13. ^1H NMR, ^{13}C NMR and DEPT Spectrums of Compound 6ch	S40-42
14. ^1H NMR, ^{13}C NMR and DEPT Spectrums of Compound 10aa	S43-45
15. ^1H NMR, ^{13}C NMR and DEPT Spectrums of Compound 10ab	S46-48
16. ^1H NMR, ^{13}C NMR and DEPT Spectrums of Compound 10ac	S49-51
17. ^1H NMR, ^{13}C NMR and DEPT Spectrums of Compound 10ad	S52-54
18. ^1H NMR, ^{13}C NMR and DEPT Spectrums of Compound 10ae	S55-57
19. ^1H NMR, ^{13}C NMR and DEPT Spectrums of Compound 10af	S58-60
20. ^1H NMR, ^{13}C NMR and DEPT Spectrums of Compound 10ag	S61-63
21. ^1H NMR, ^{13}C NMR and DEPT Spectrums of Compound 10ah	S64-66
22. ^1H NMR, ^{13}C NMR and DEPT Spectrums of Compound 10ai	S67-69

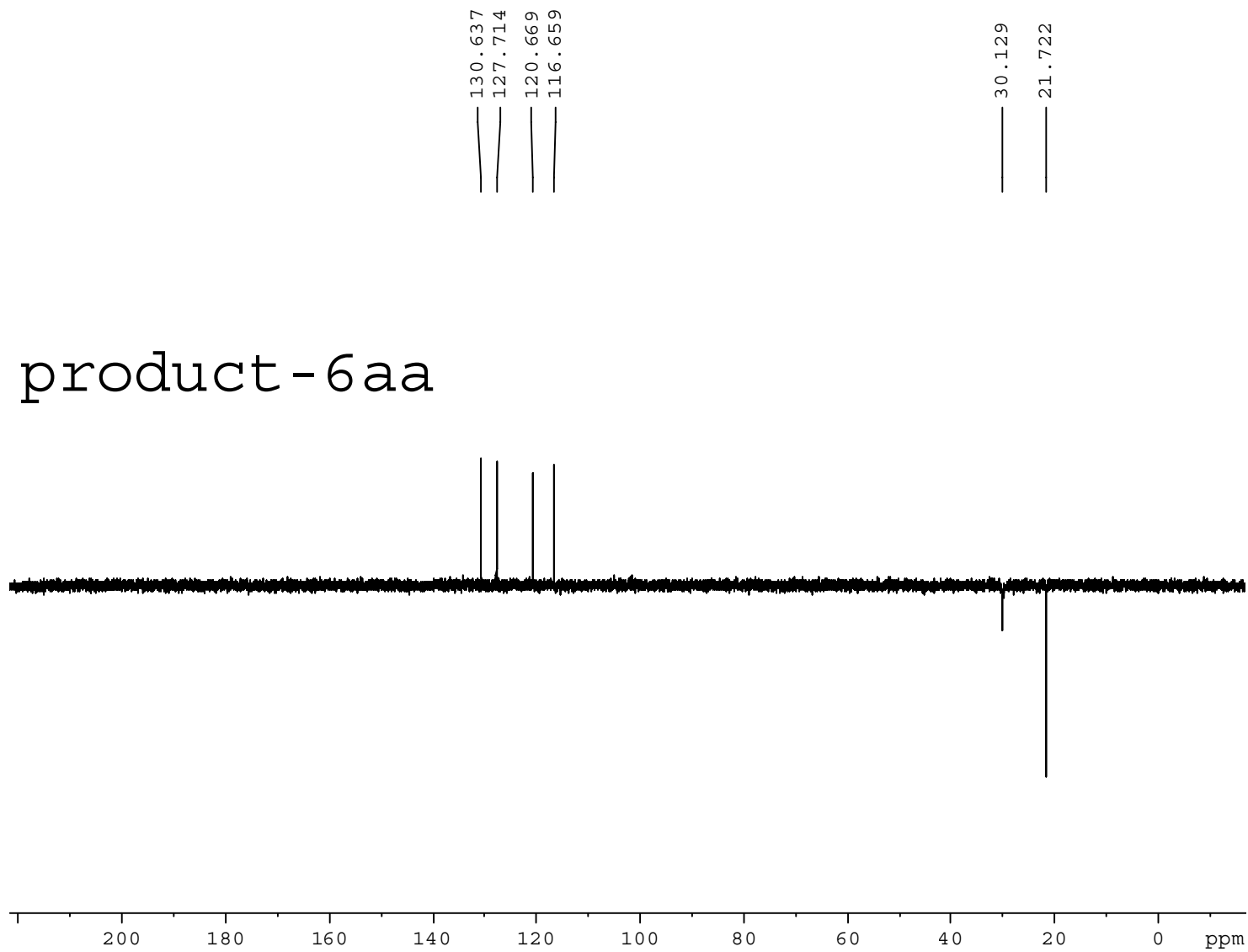
23. ^1H NMR, ^{13}C NMR and DEPT Spectrums of Compound 10ca	S70-72
24. ^1H NMR, ^{13}C NMR and DEPT Spectrums of Compound 10cb	S73-75
25. ^1H NMR, ^{13}C NMR and DEPT Spectrums of Compound 10cf	S76-78
26. ^1H NMR, ^{13}C NMR and DEPT Spectrums of Compound 10ch	S79-81
27. ^1H NMR, ^{13}C NMR and DEPT Spectrums of Compound L-152,804	S82-84
28. ^1H NMR, ^{13}C NMR and DEPT Spectrums of Compound 11aa	S85-87
29. ^1H NMR, ^{13}C NMR and DEPT Spectrums of Compound 11ab	S88-90
30. ^1H NMR, ^{13}C NMR and DEPT Spectrums of Compound 11ag	S91-93
31. ^1H NMR, ^{13}C NMR and DEPT Spectrums of Compound 11ai	S94-96

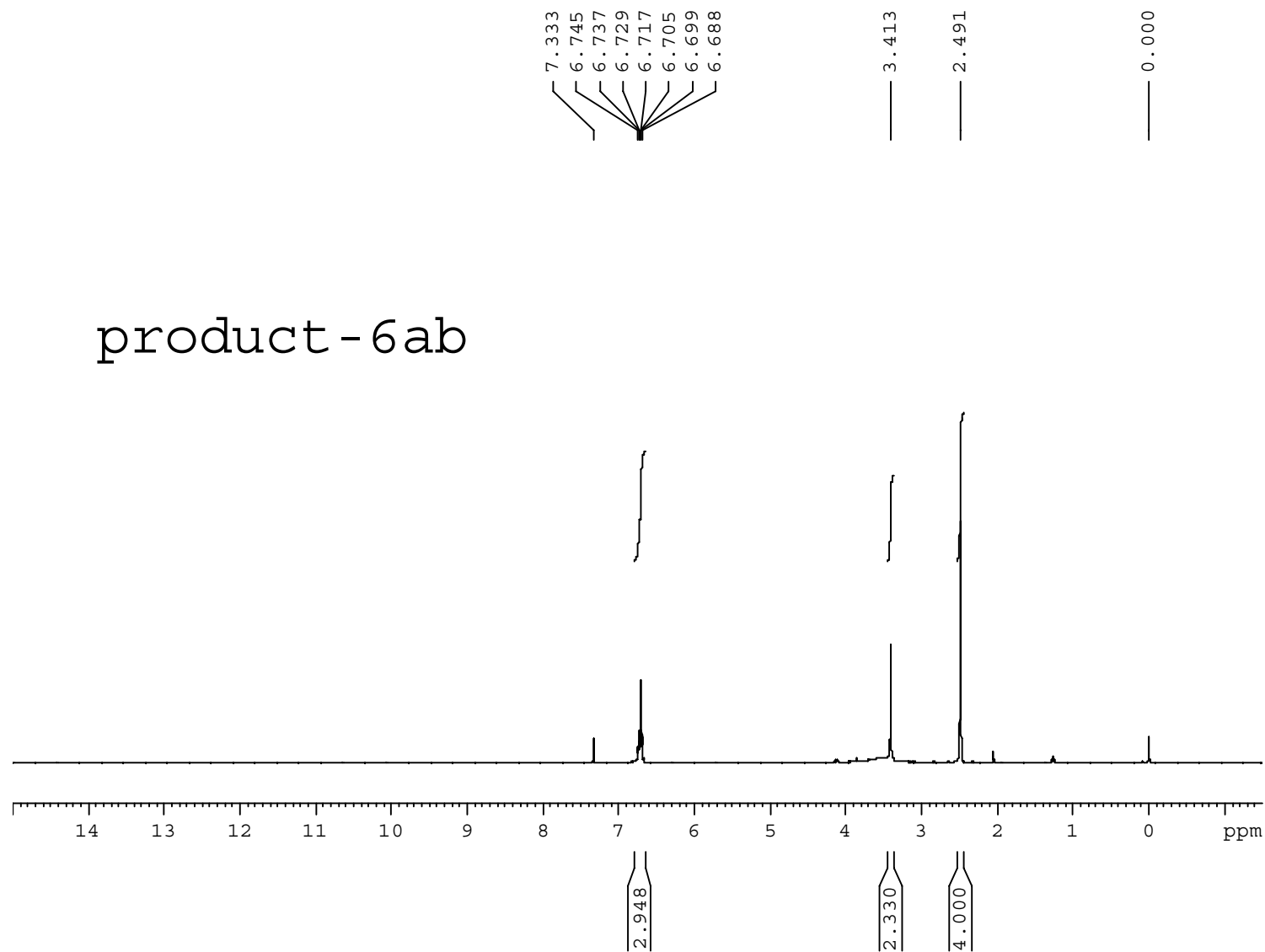


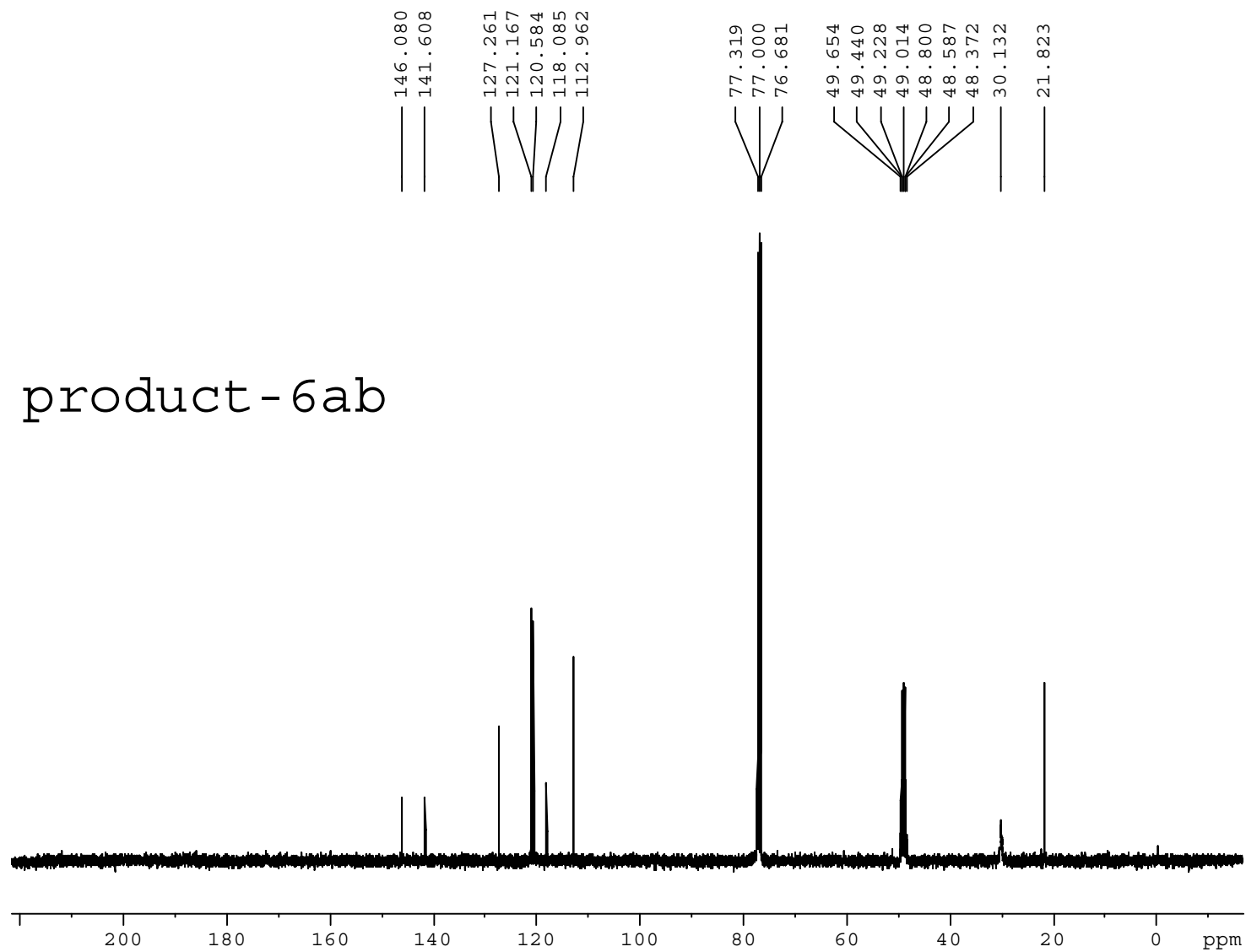


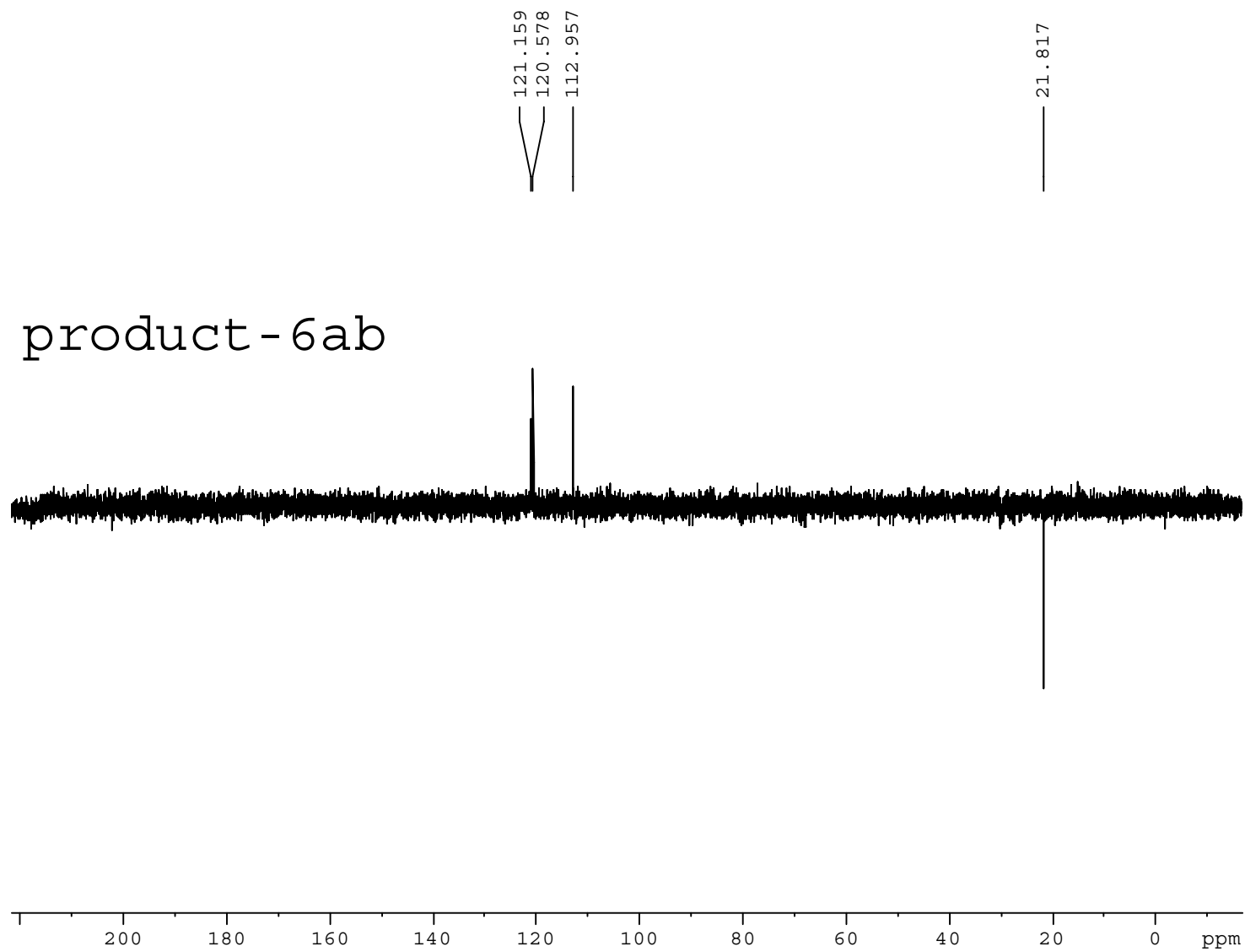
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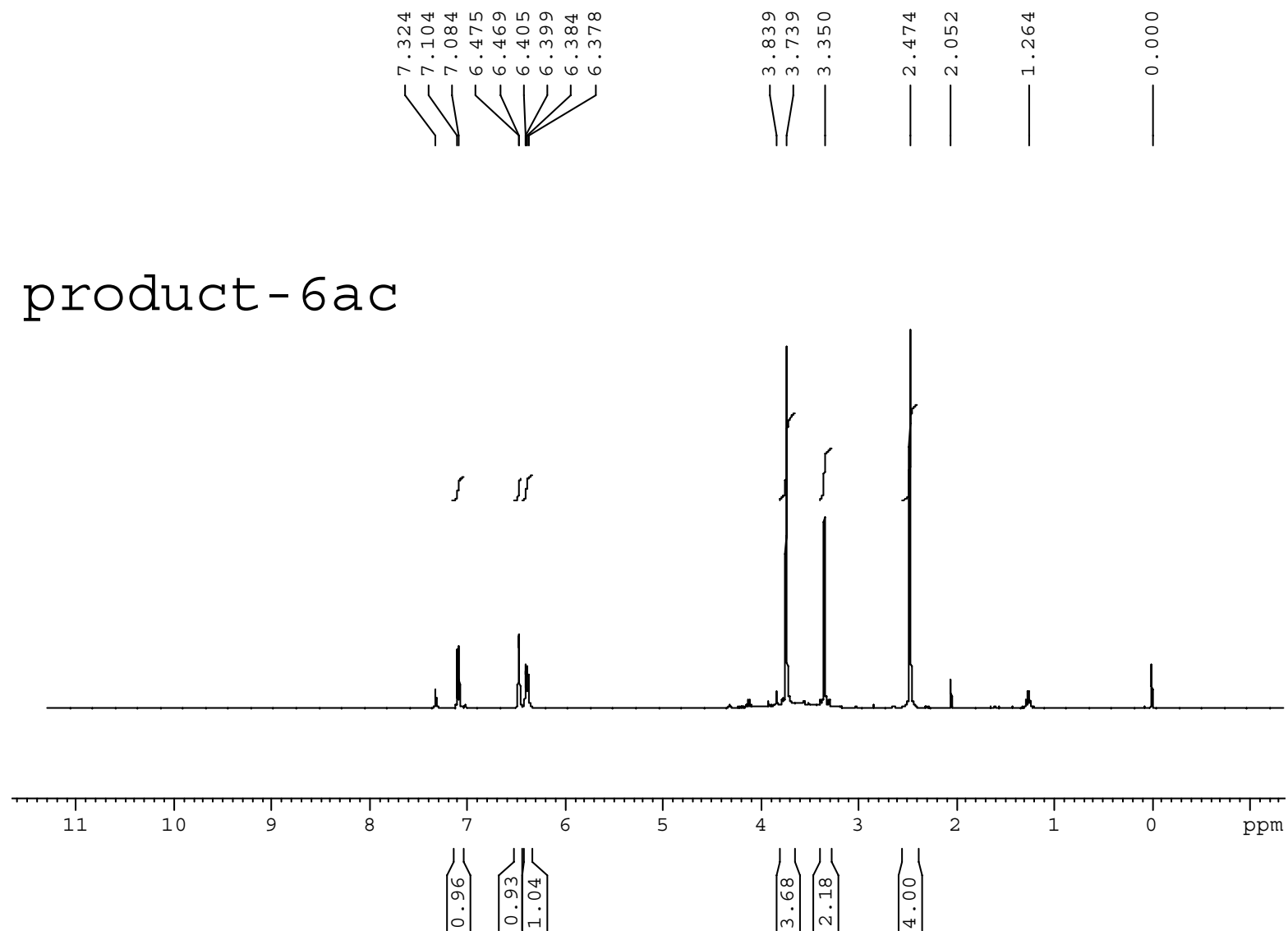


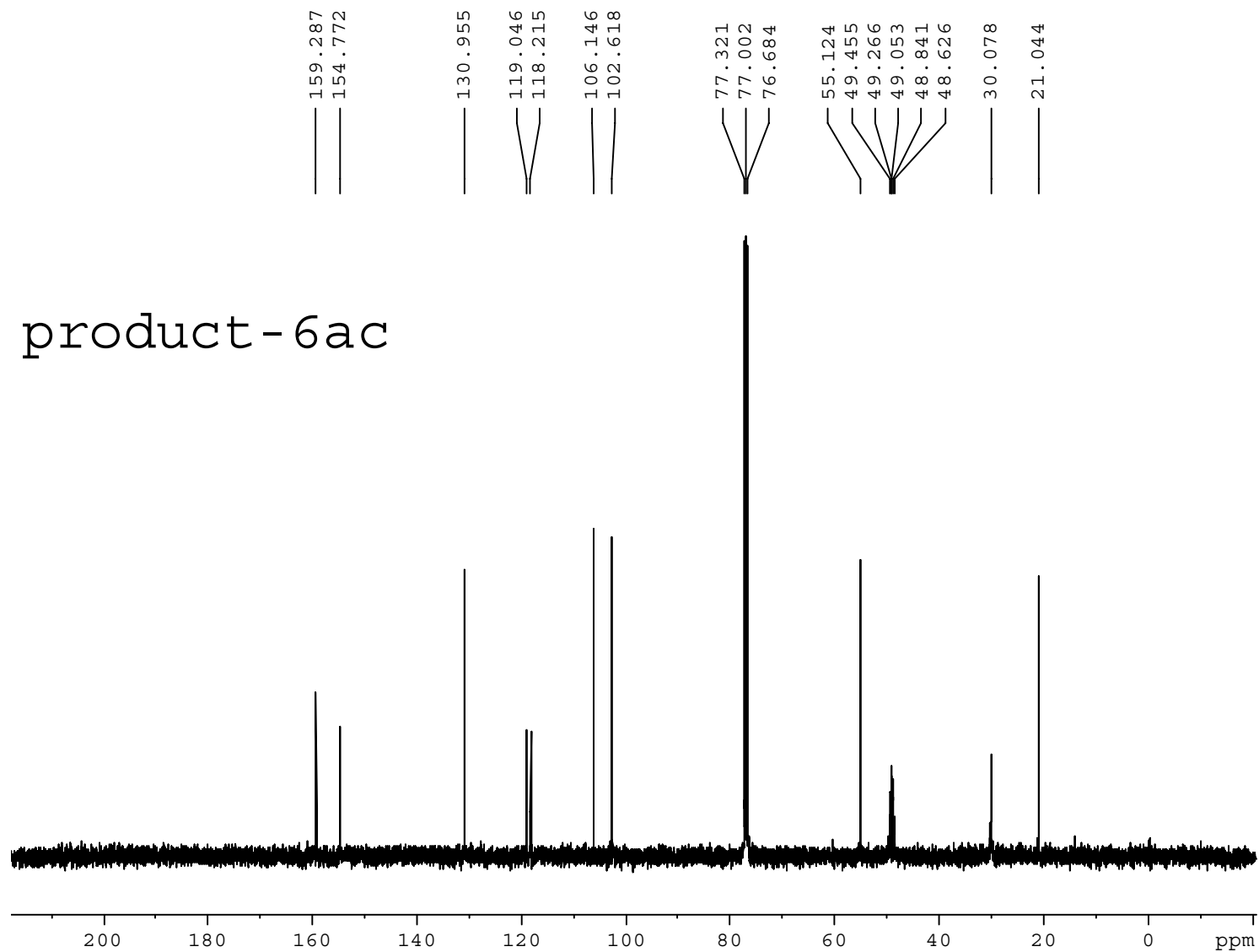


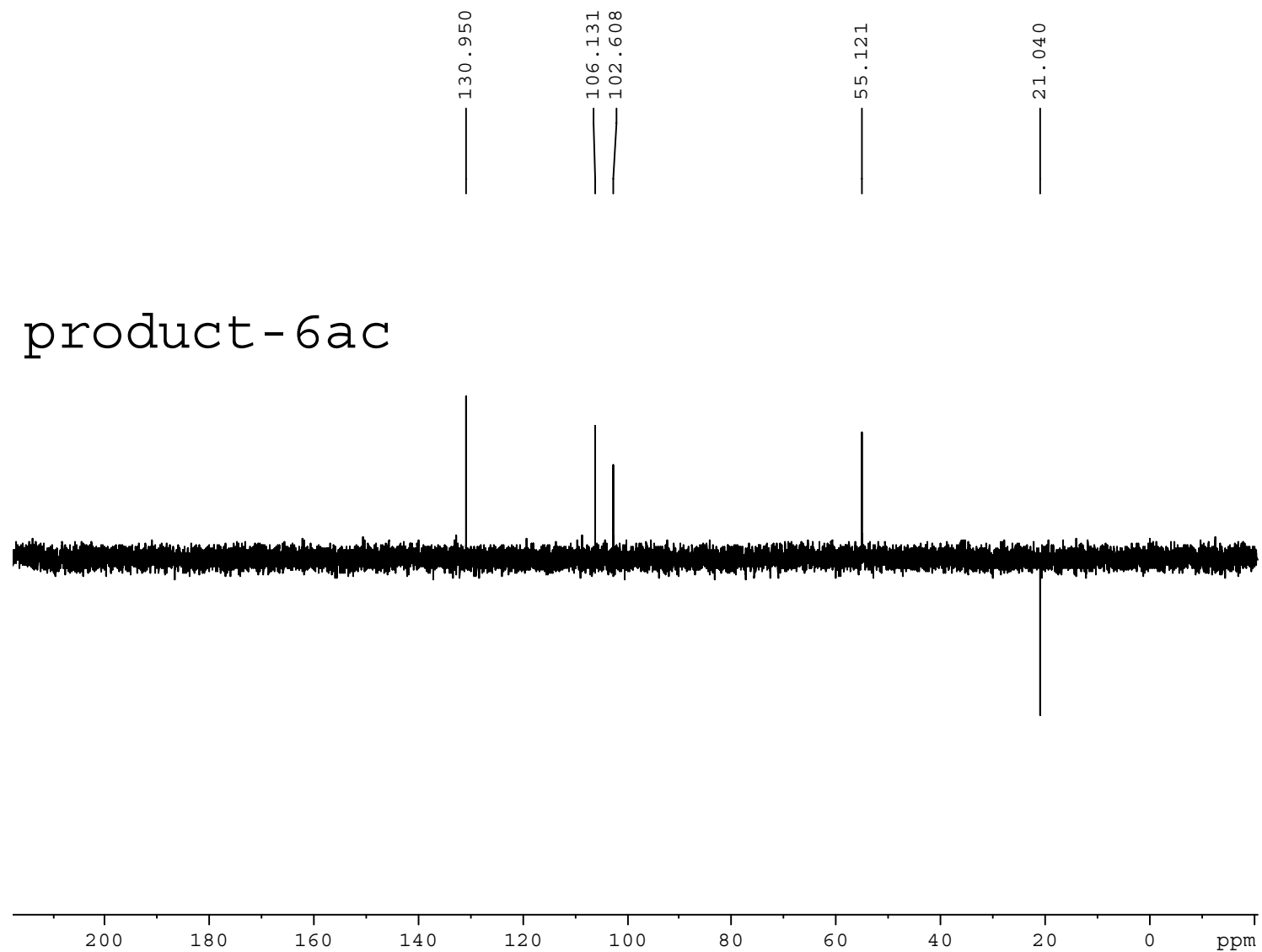


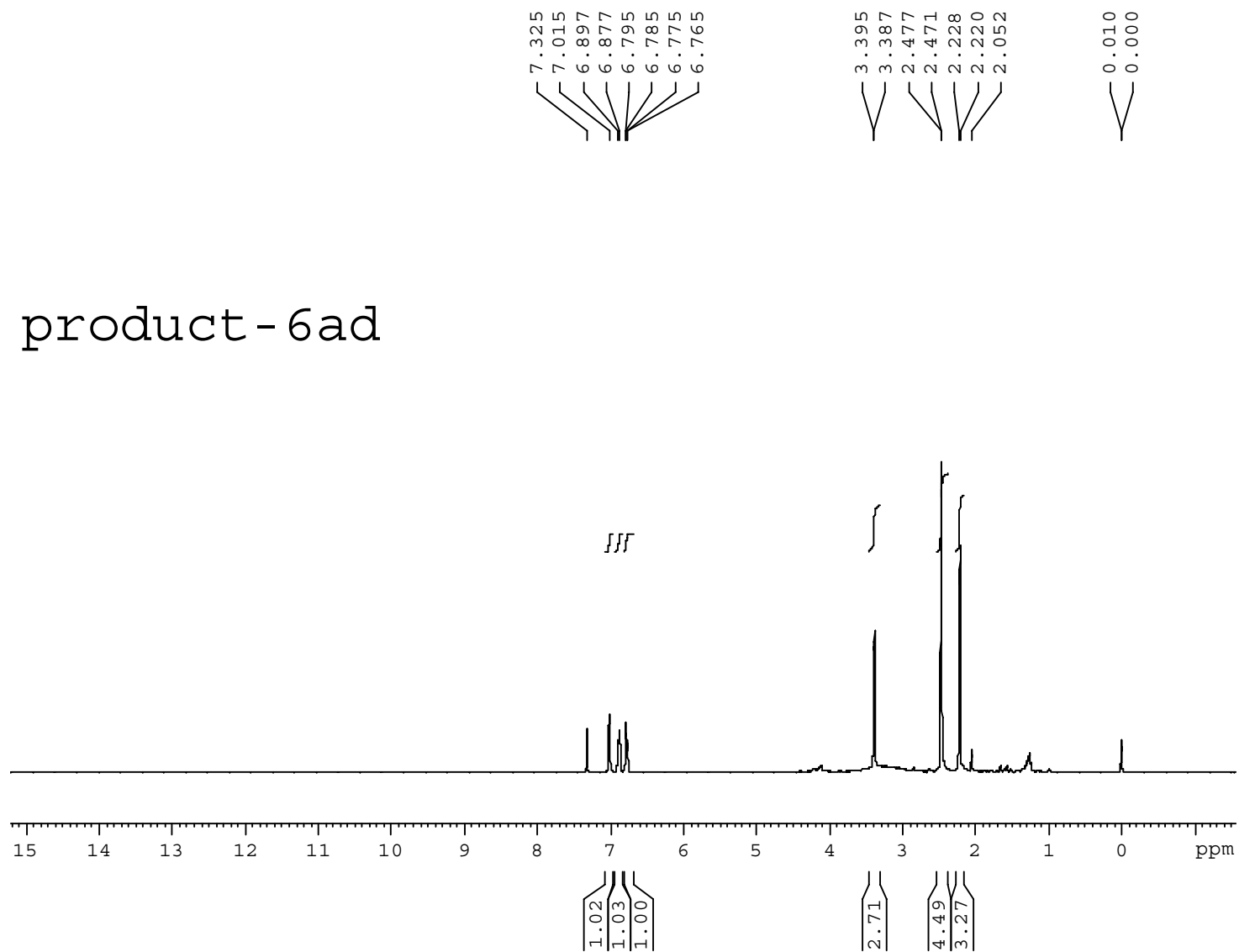


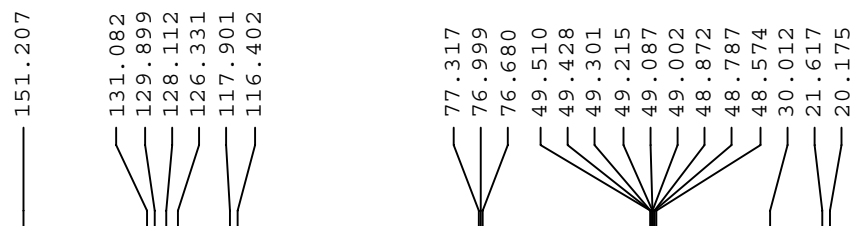




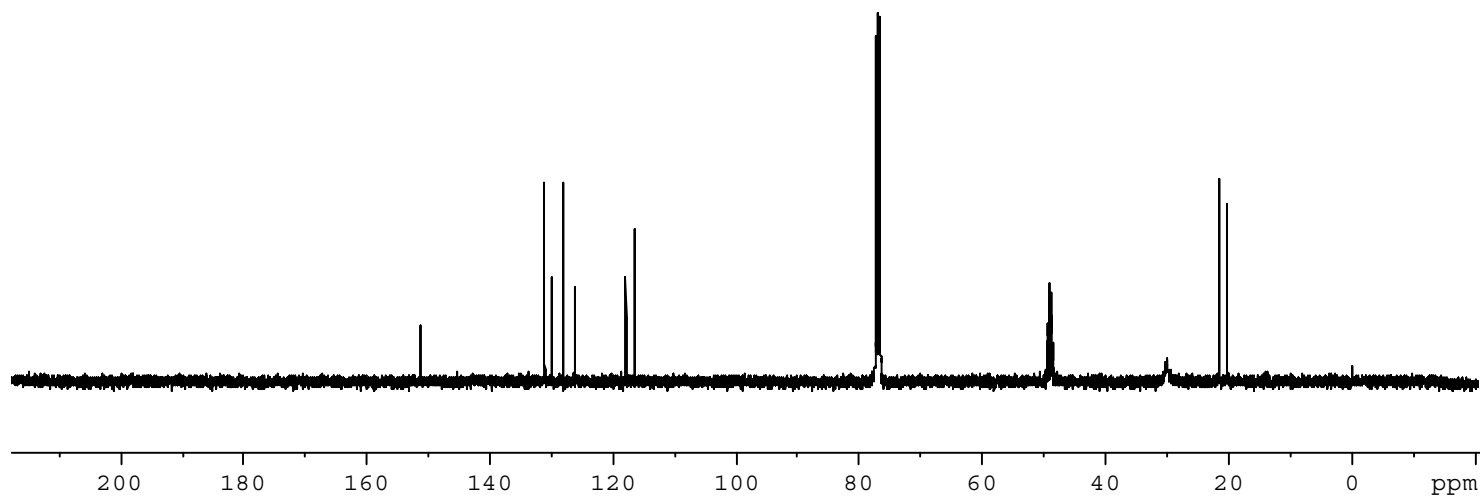


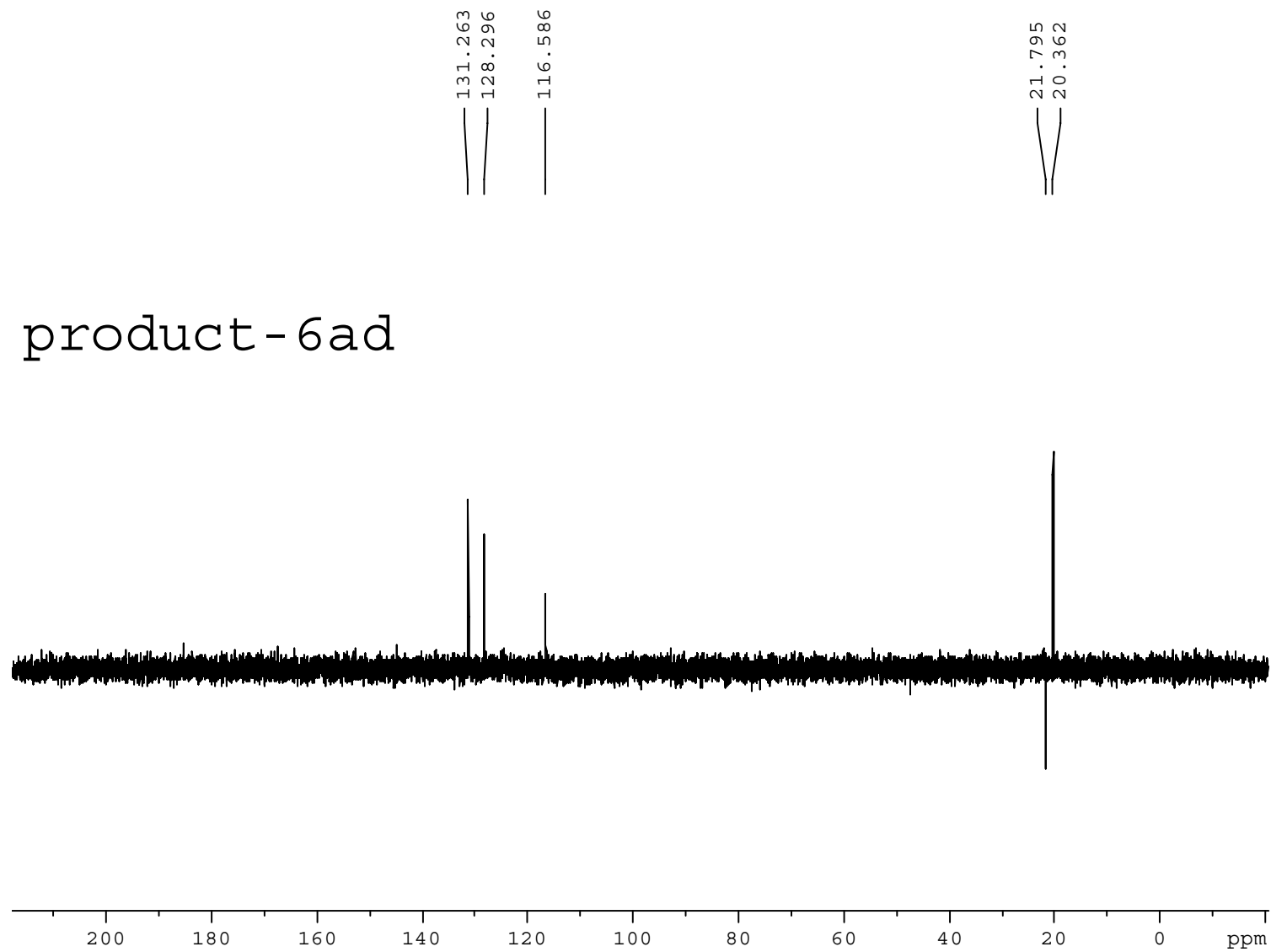


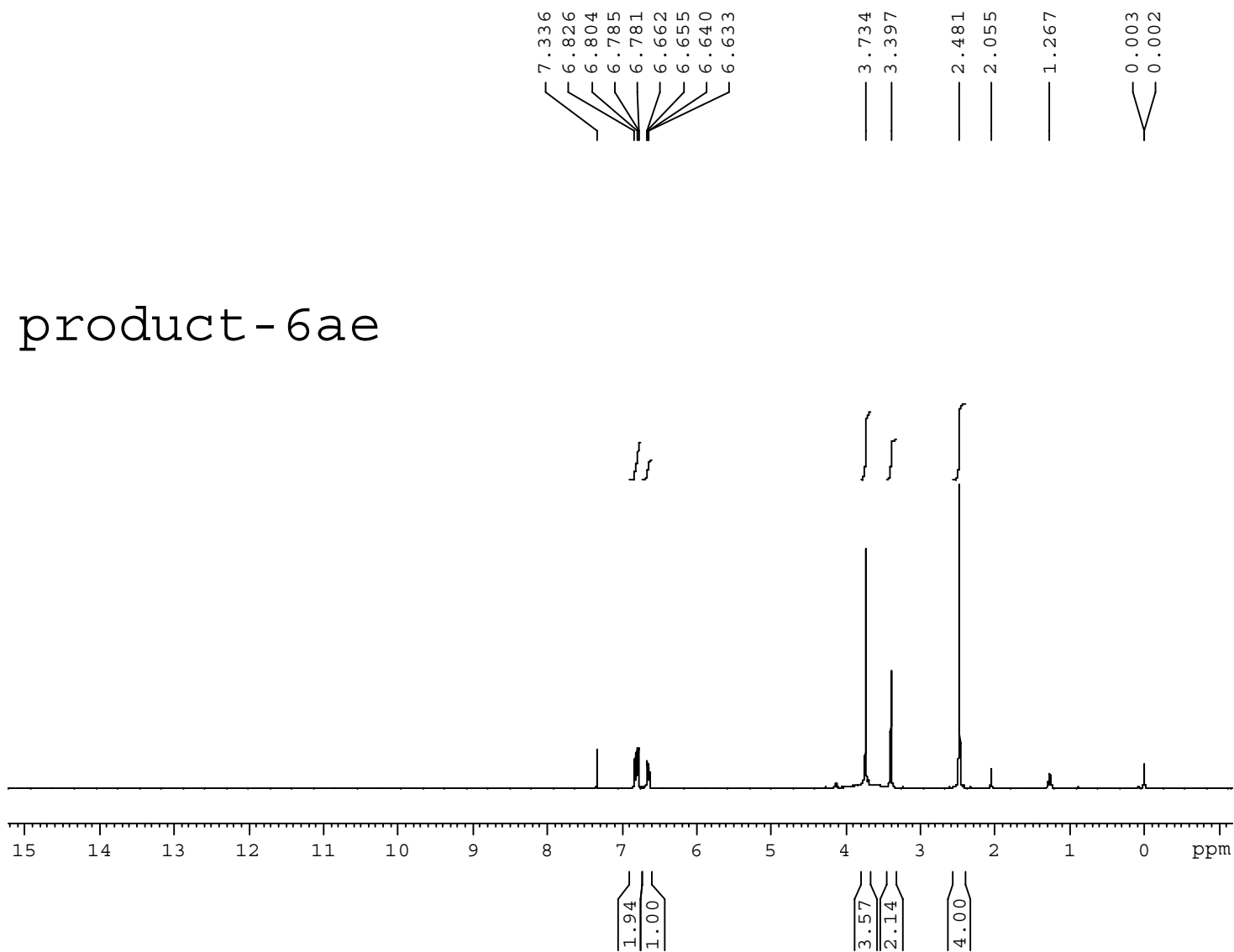


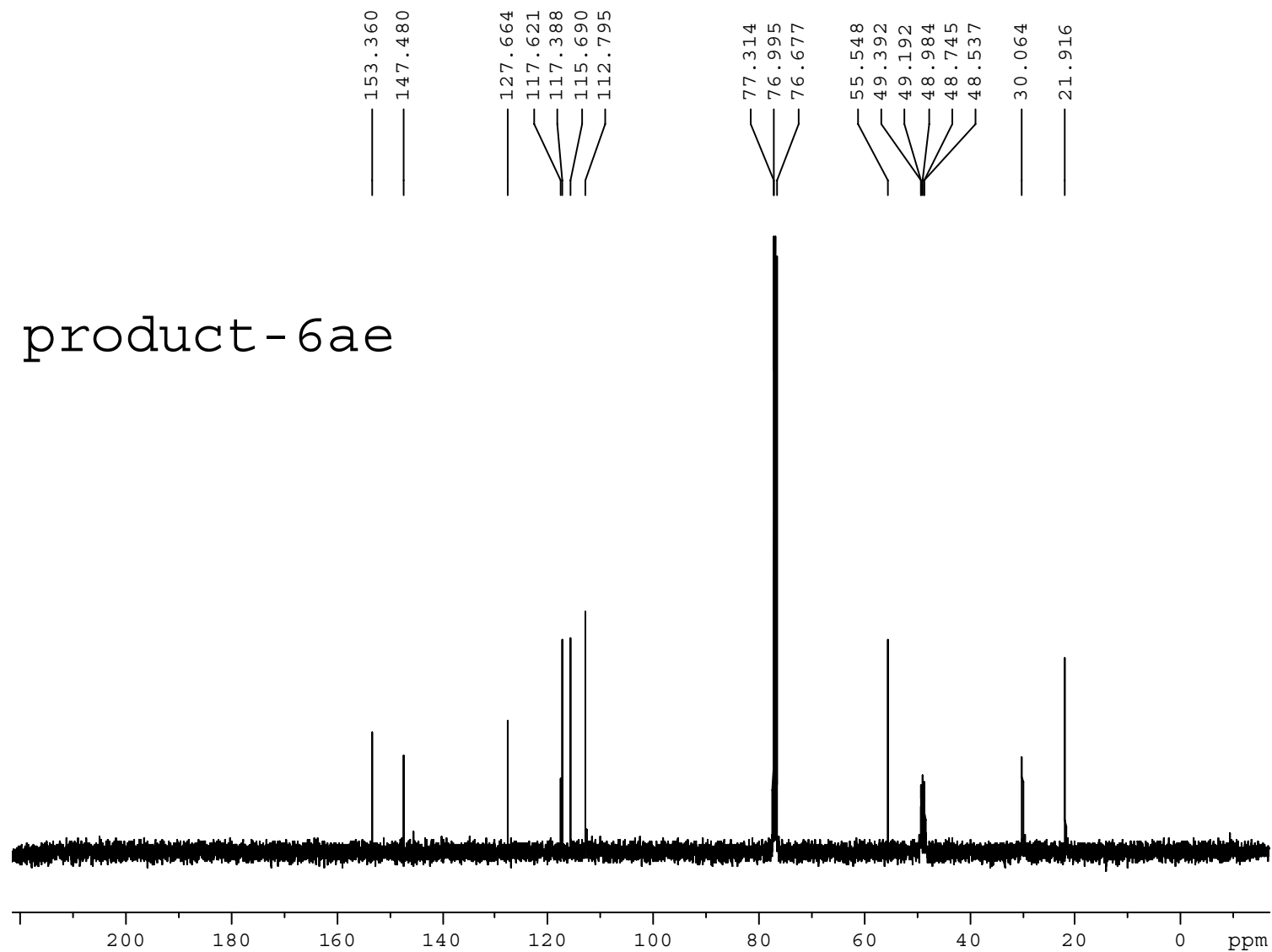


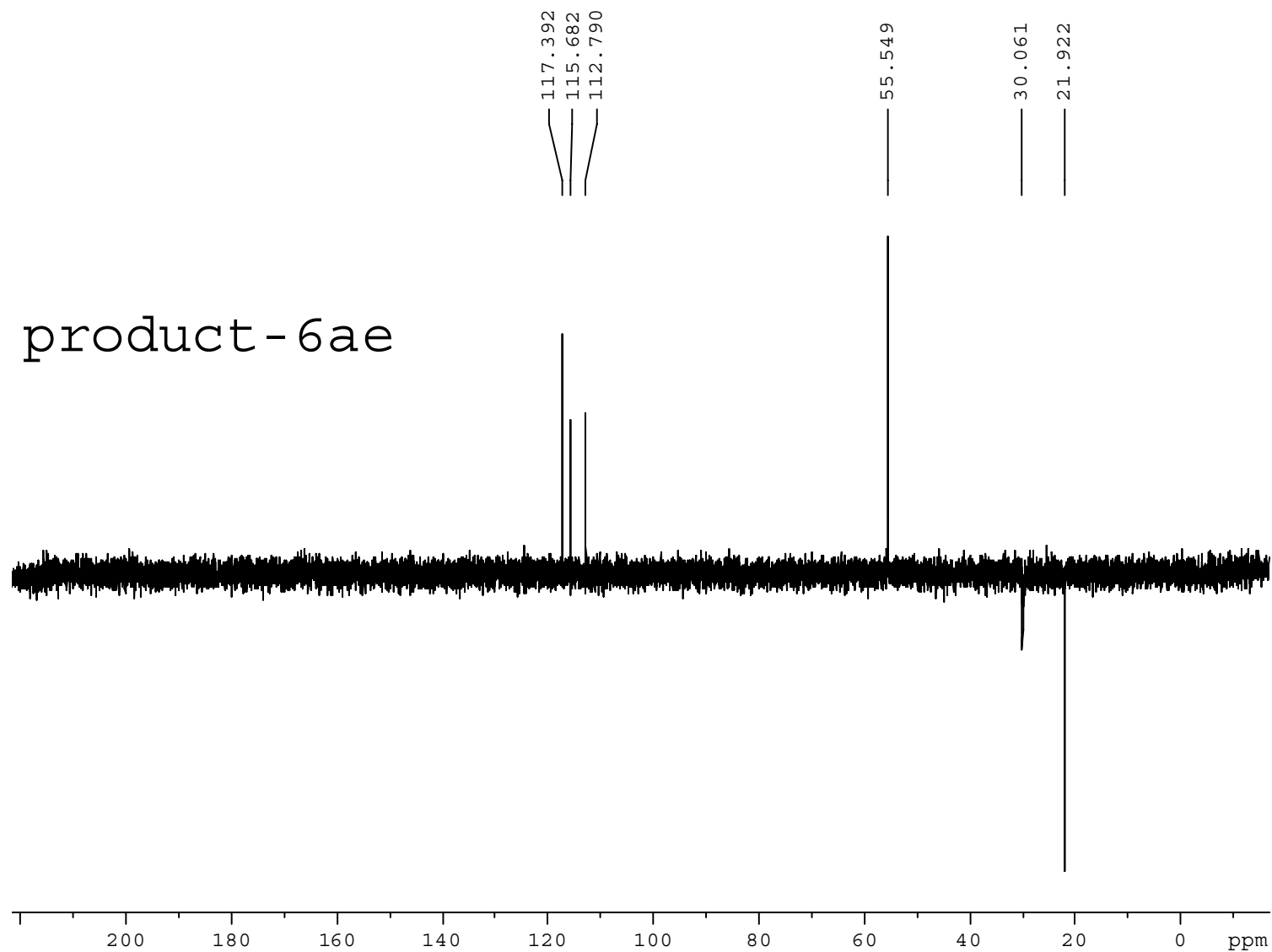
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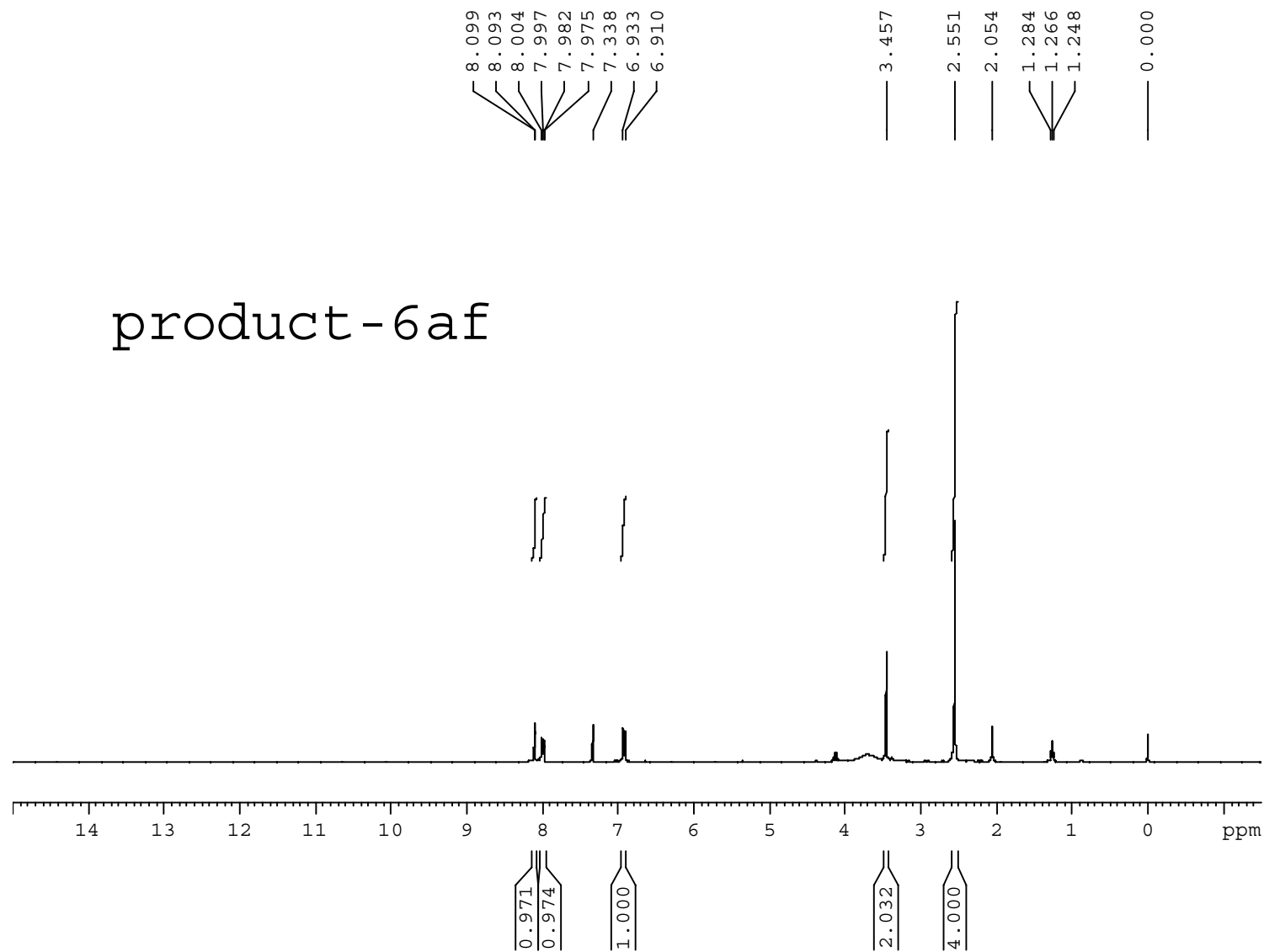


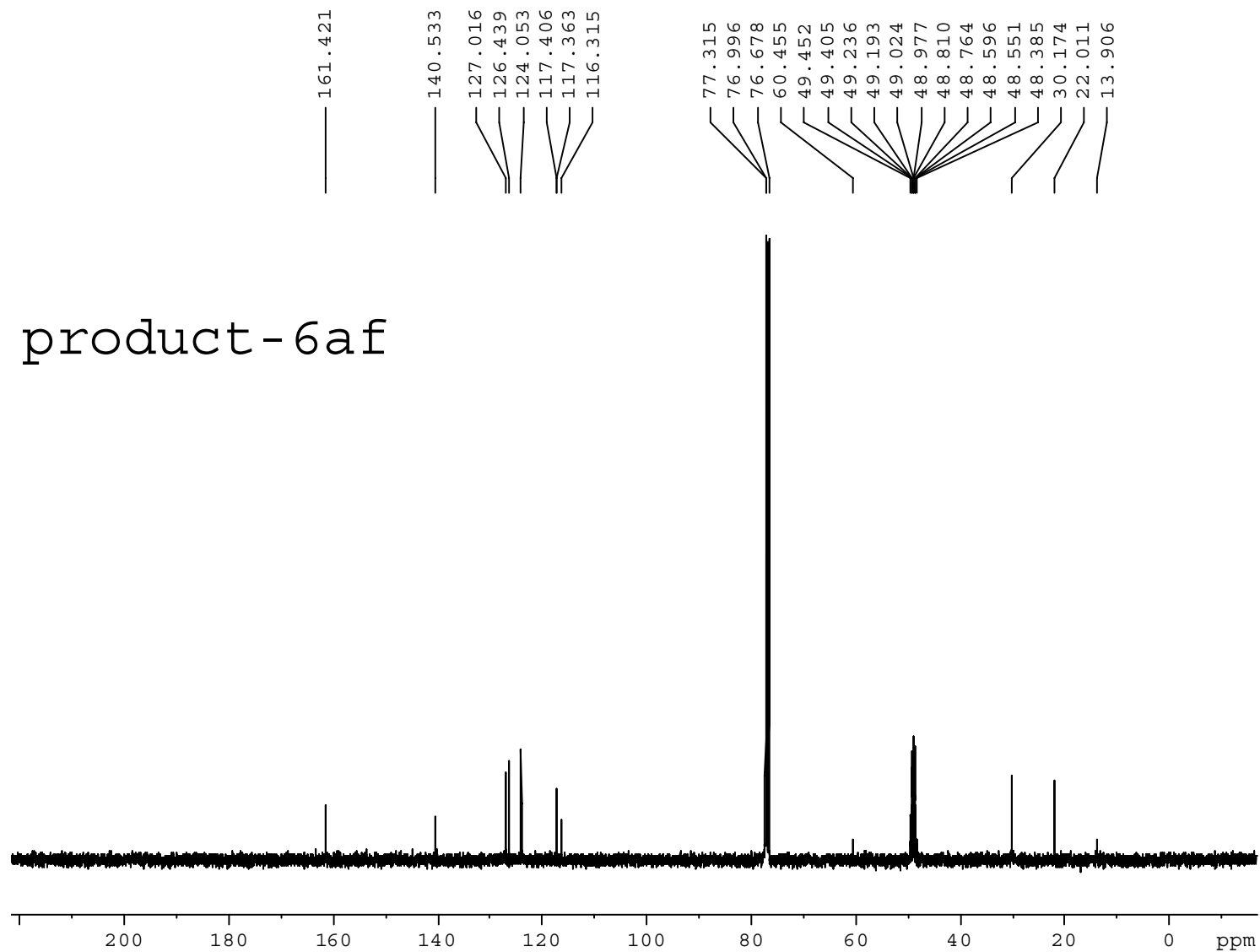


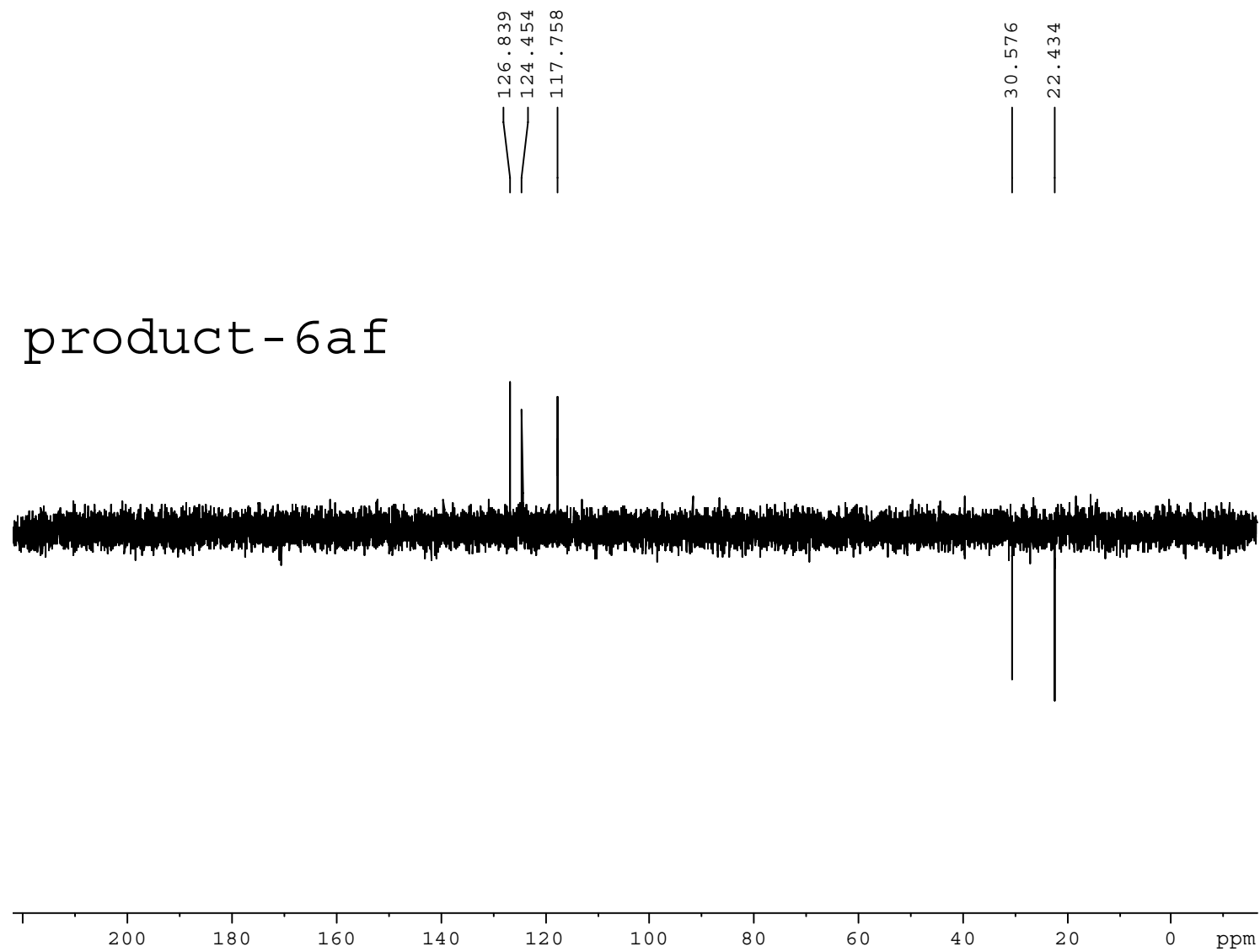


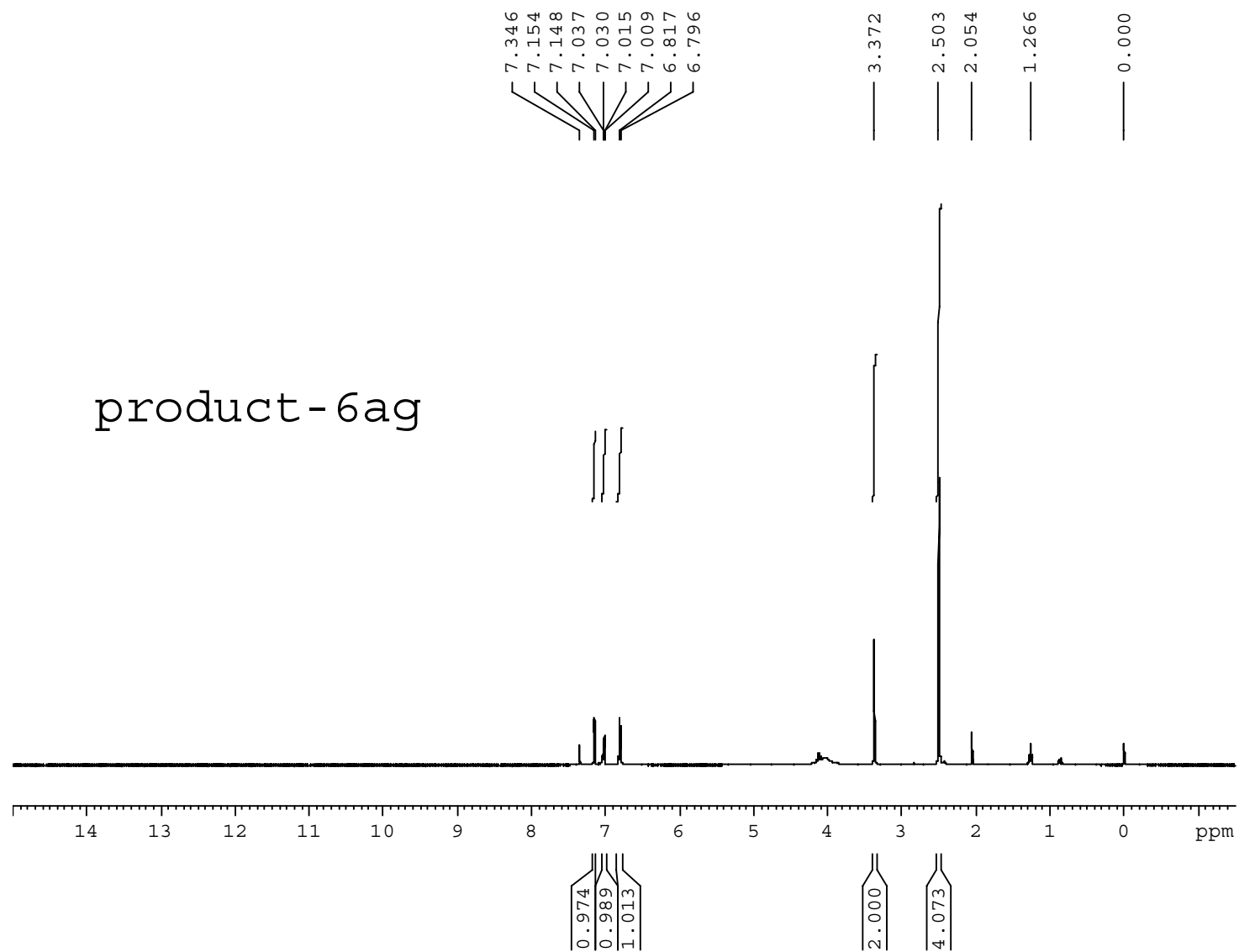


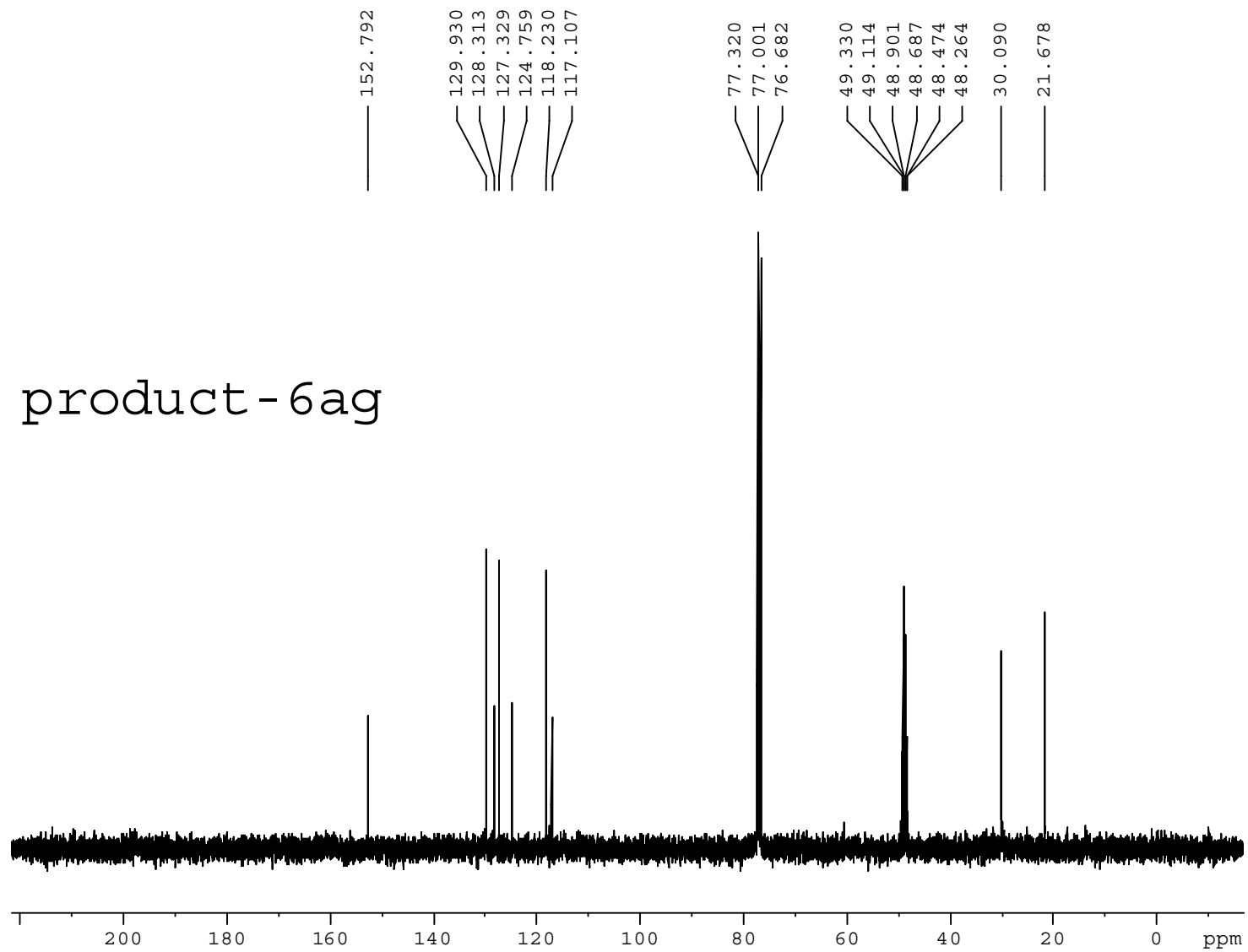


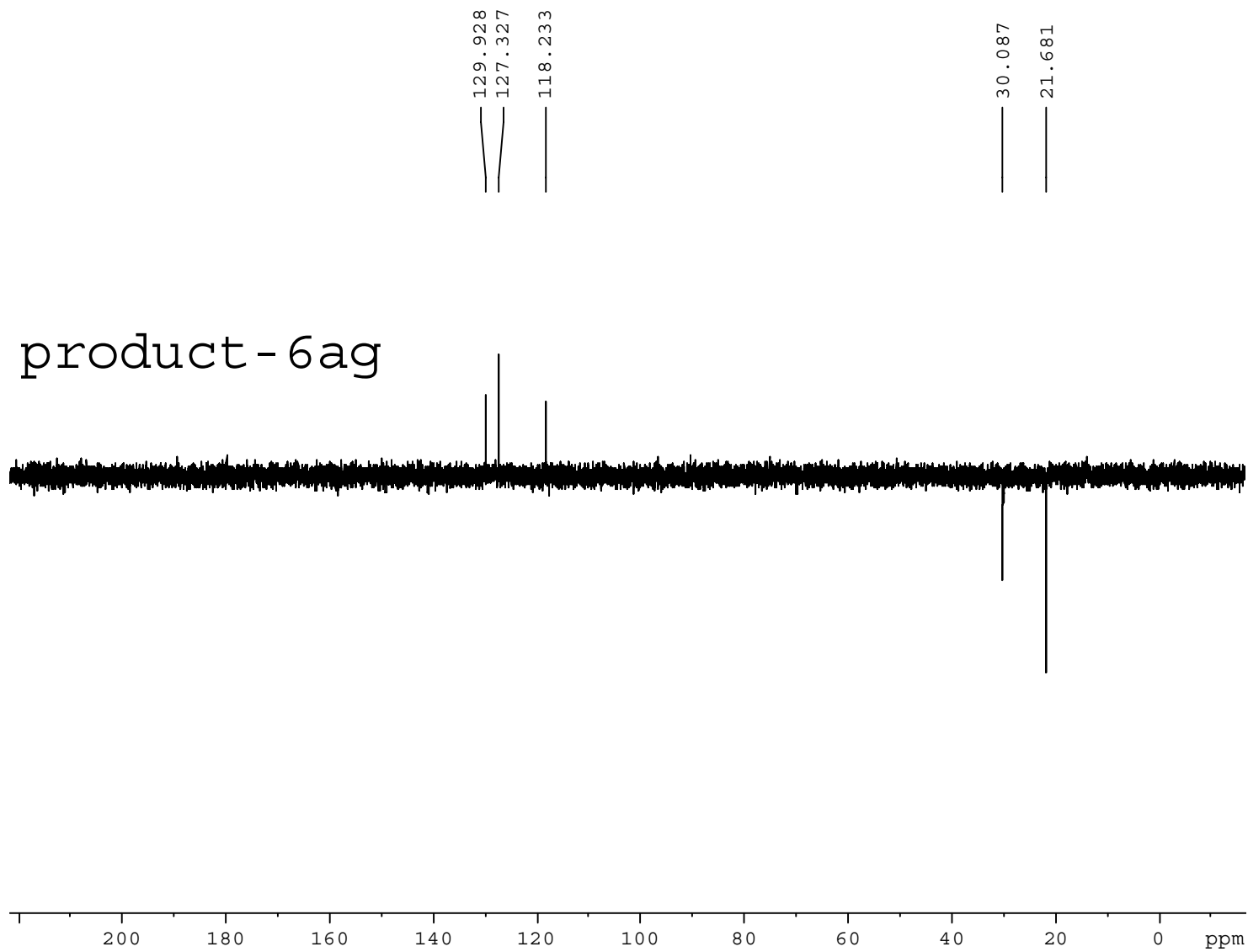


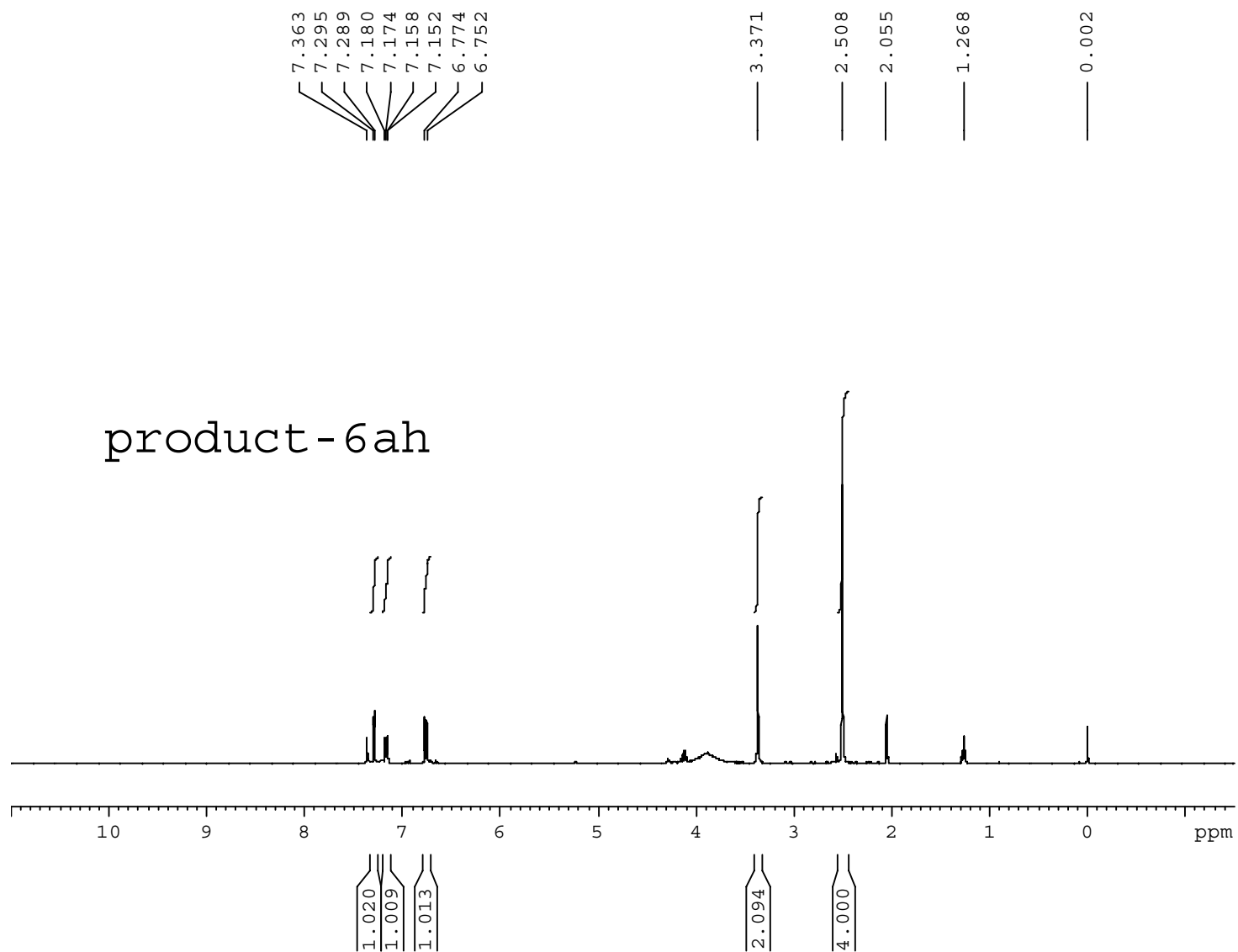


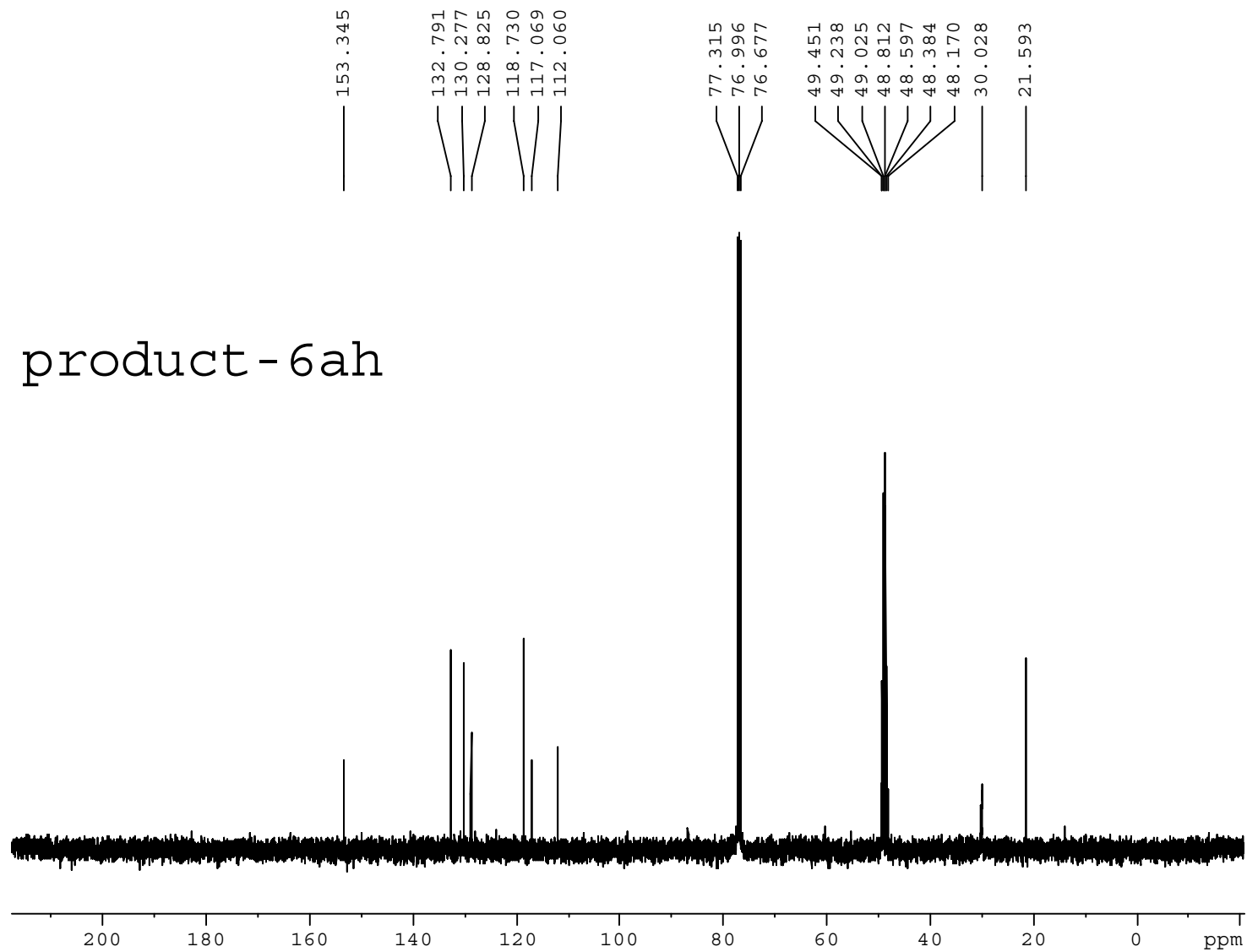


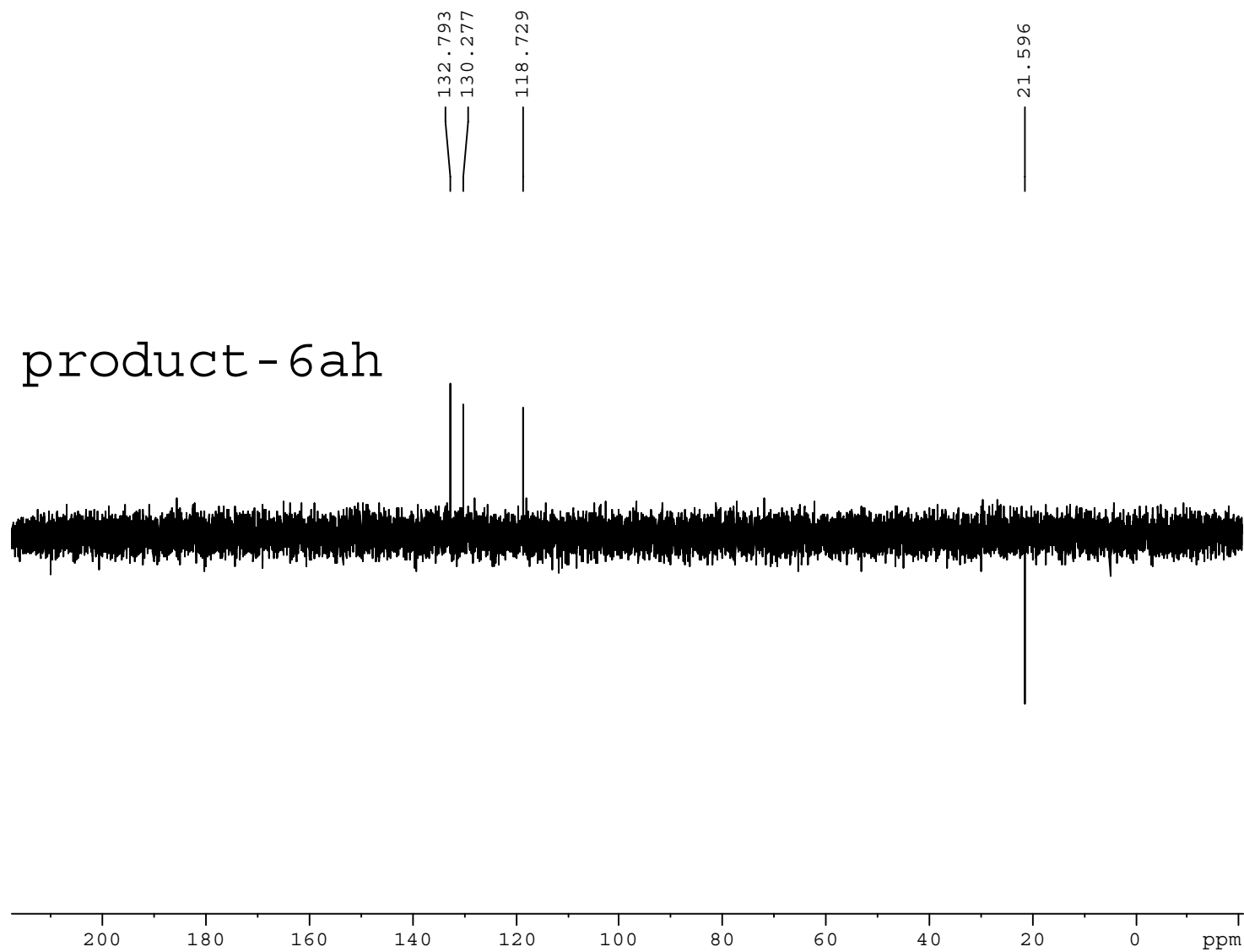


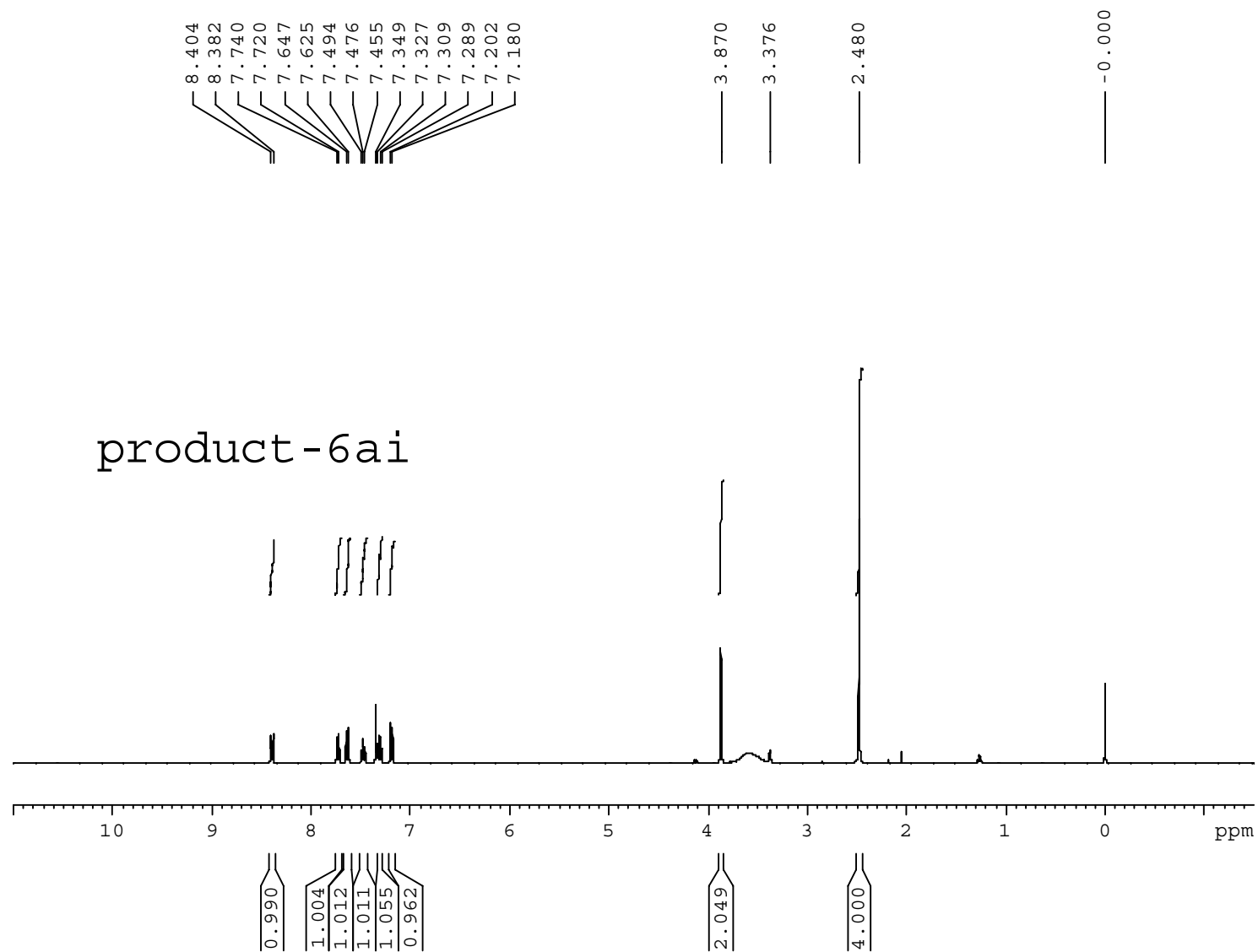


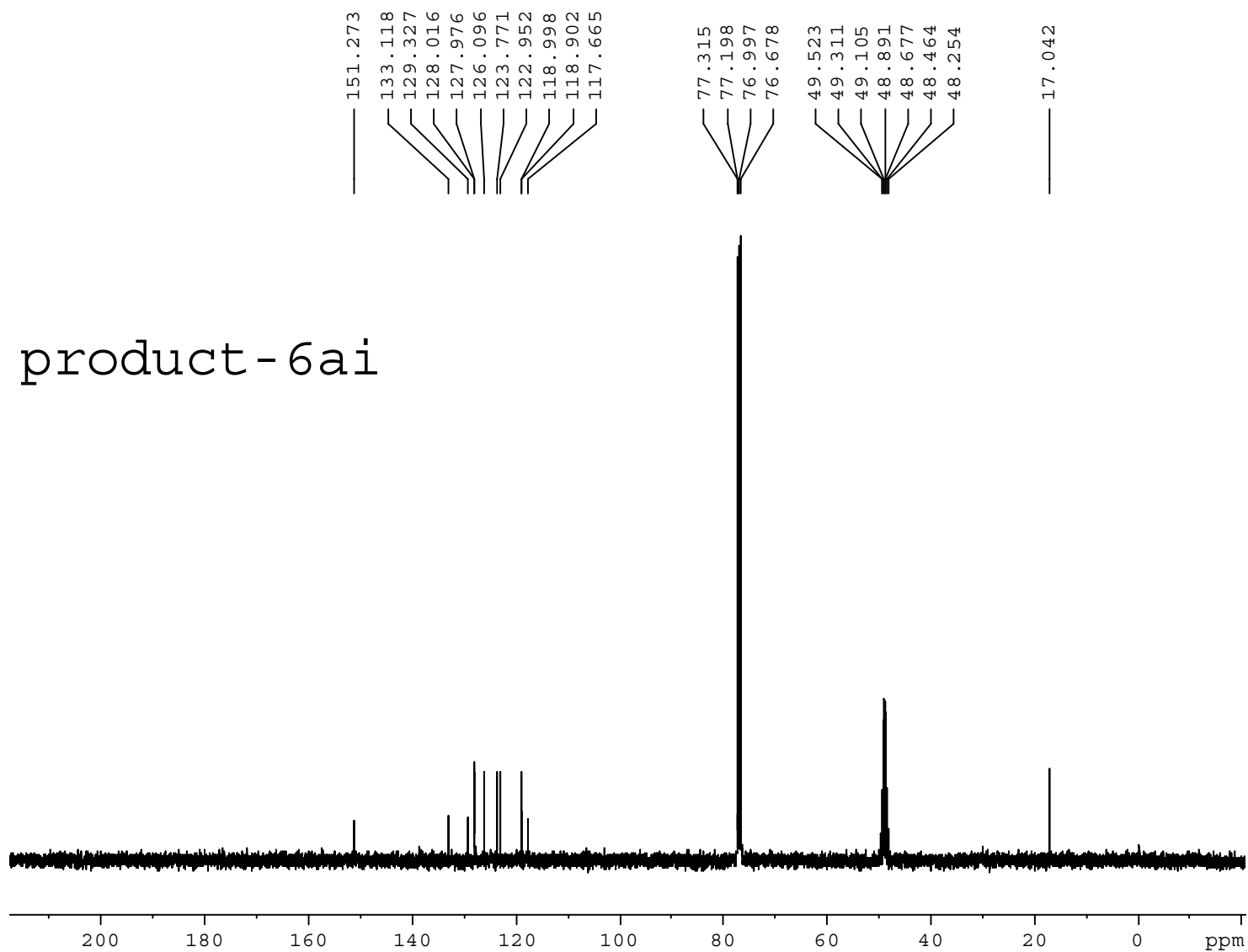


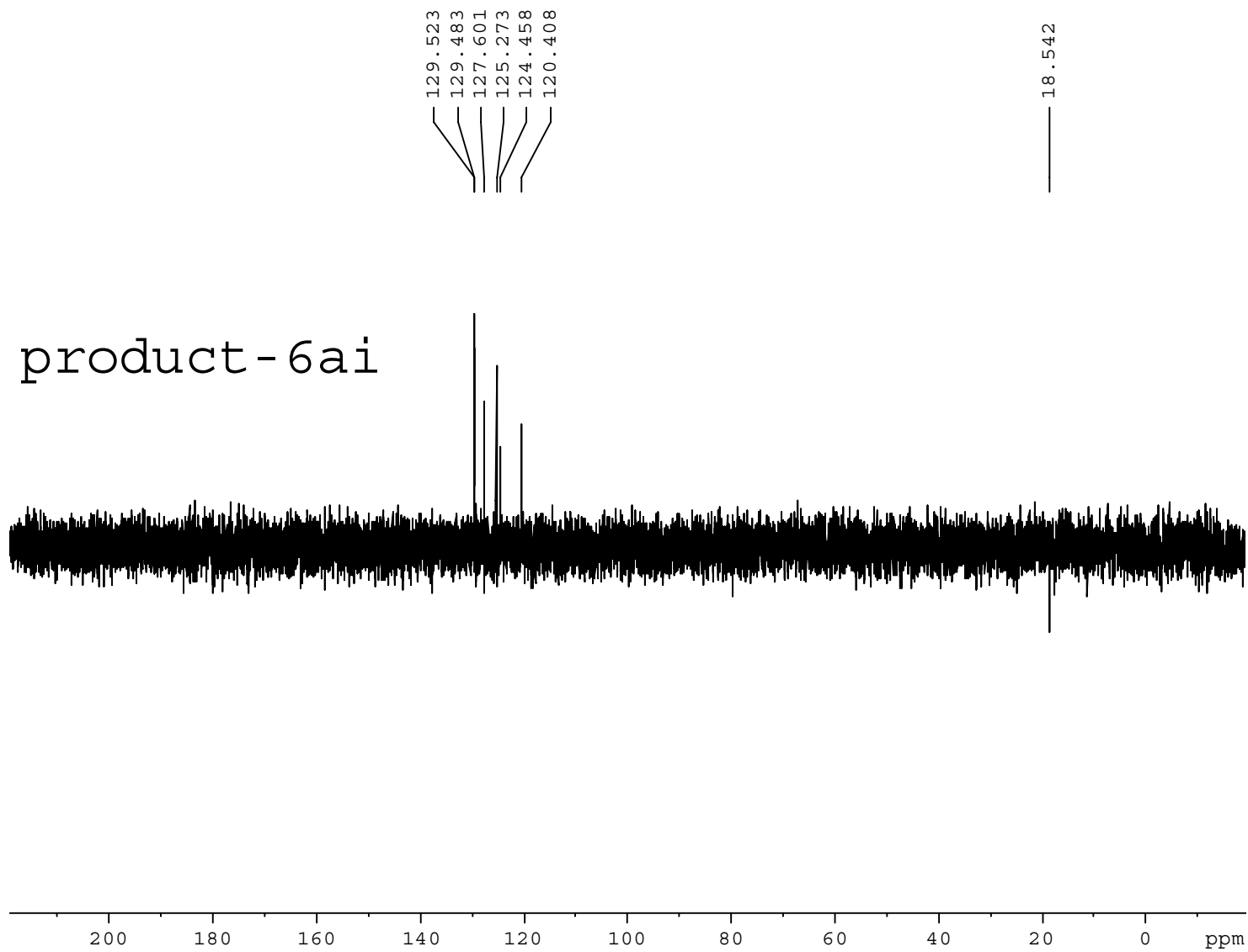


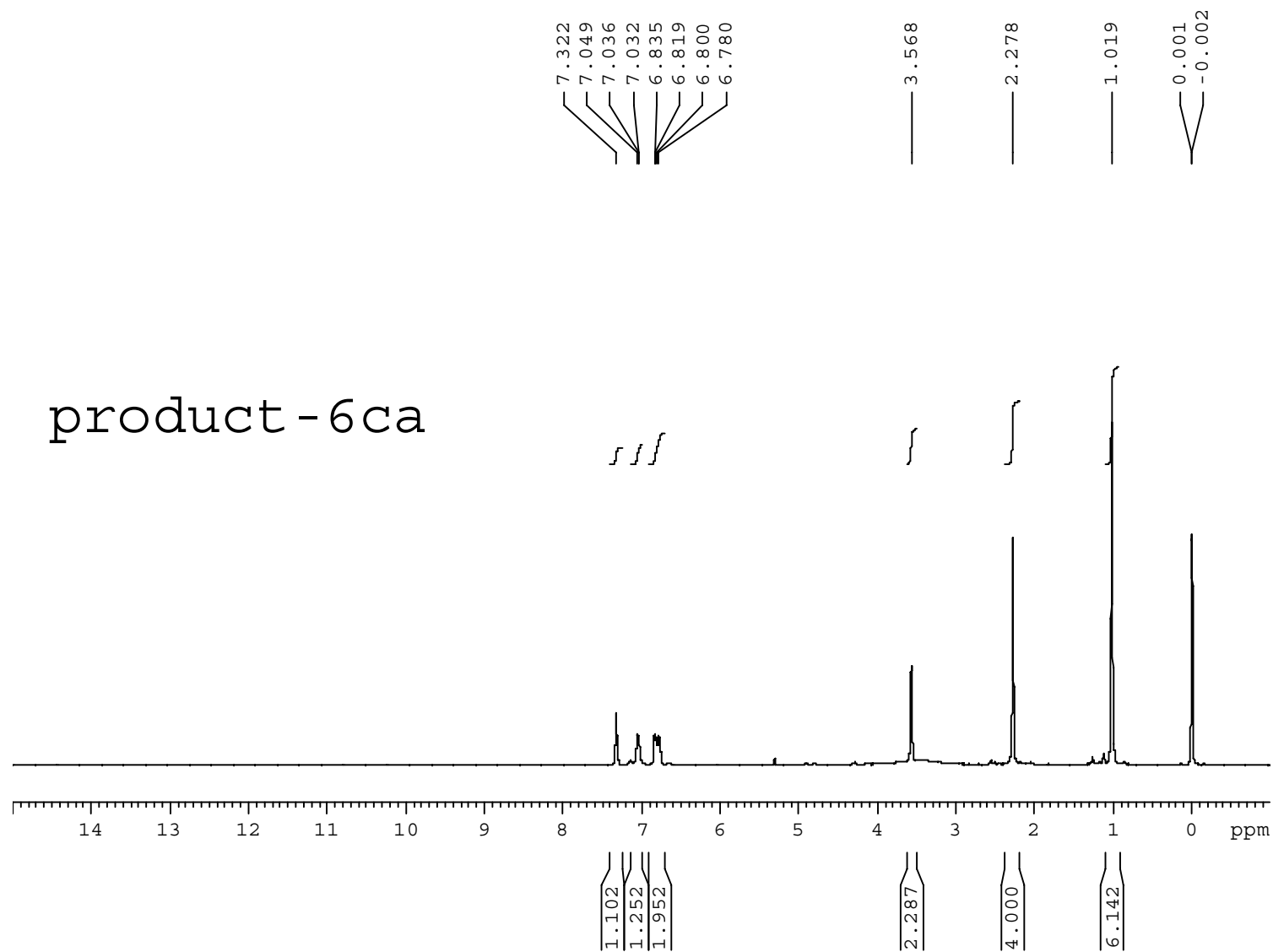


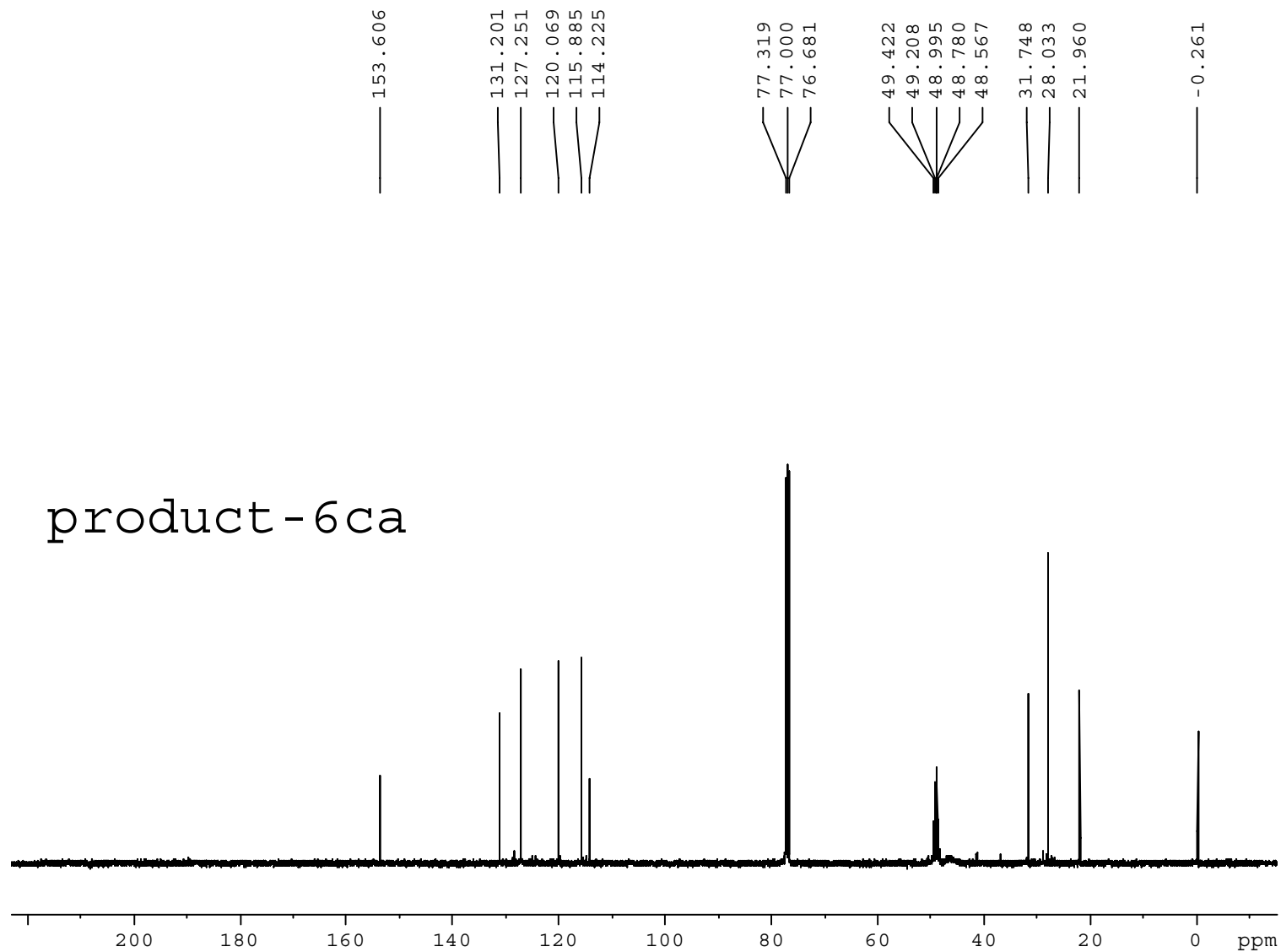


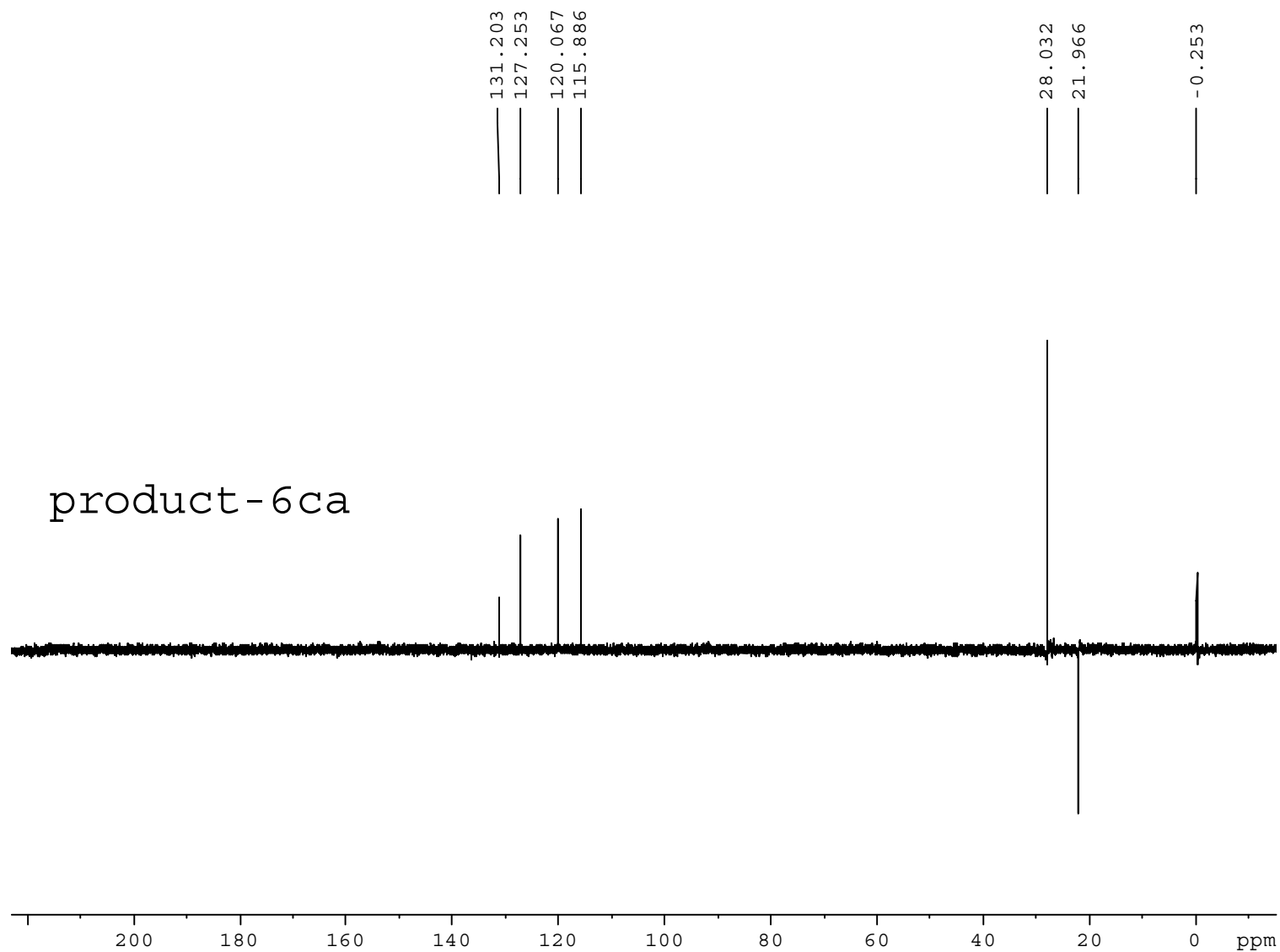


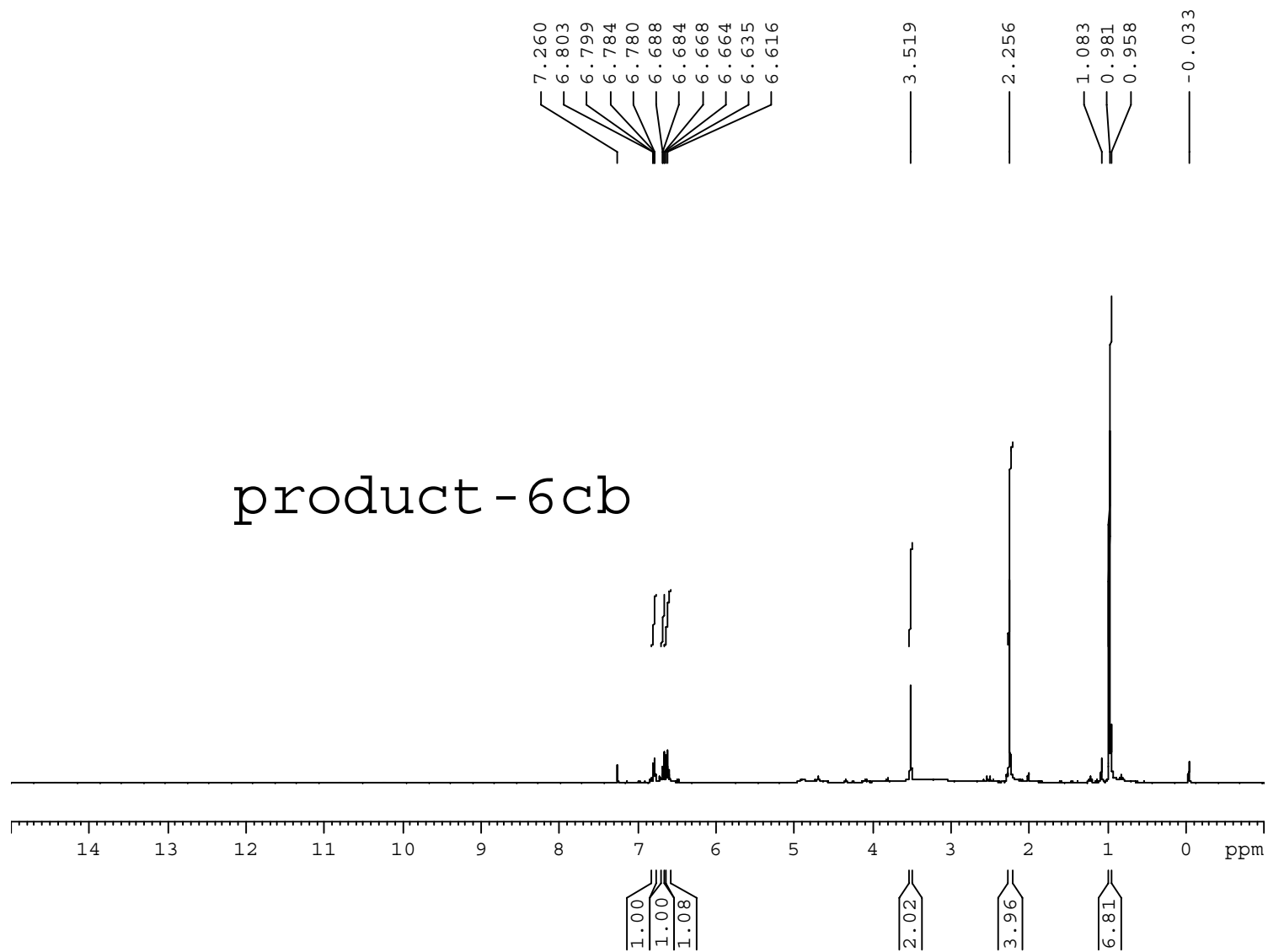


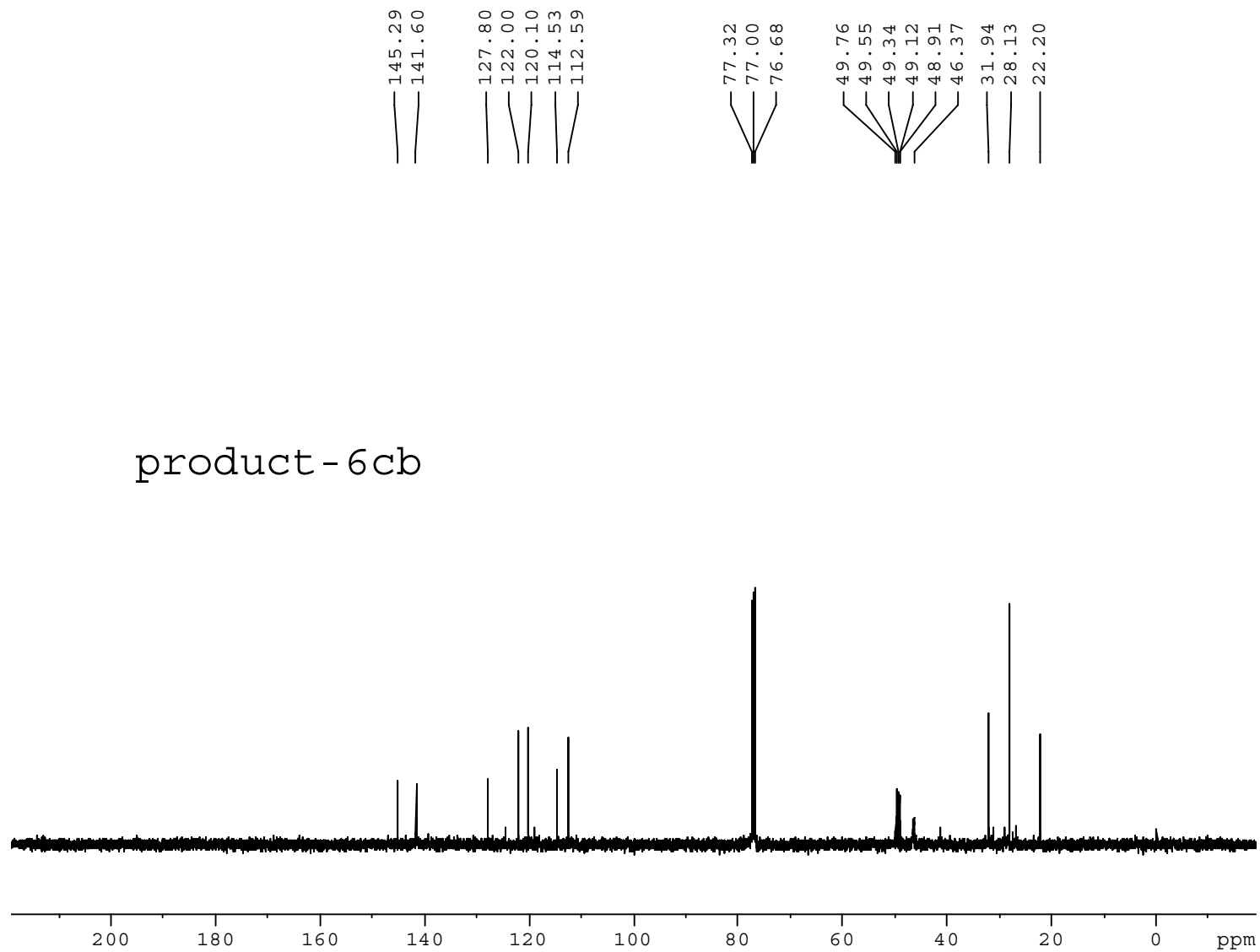


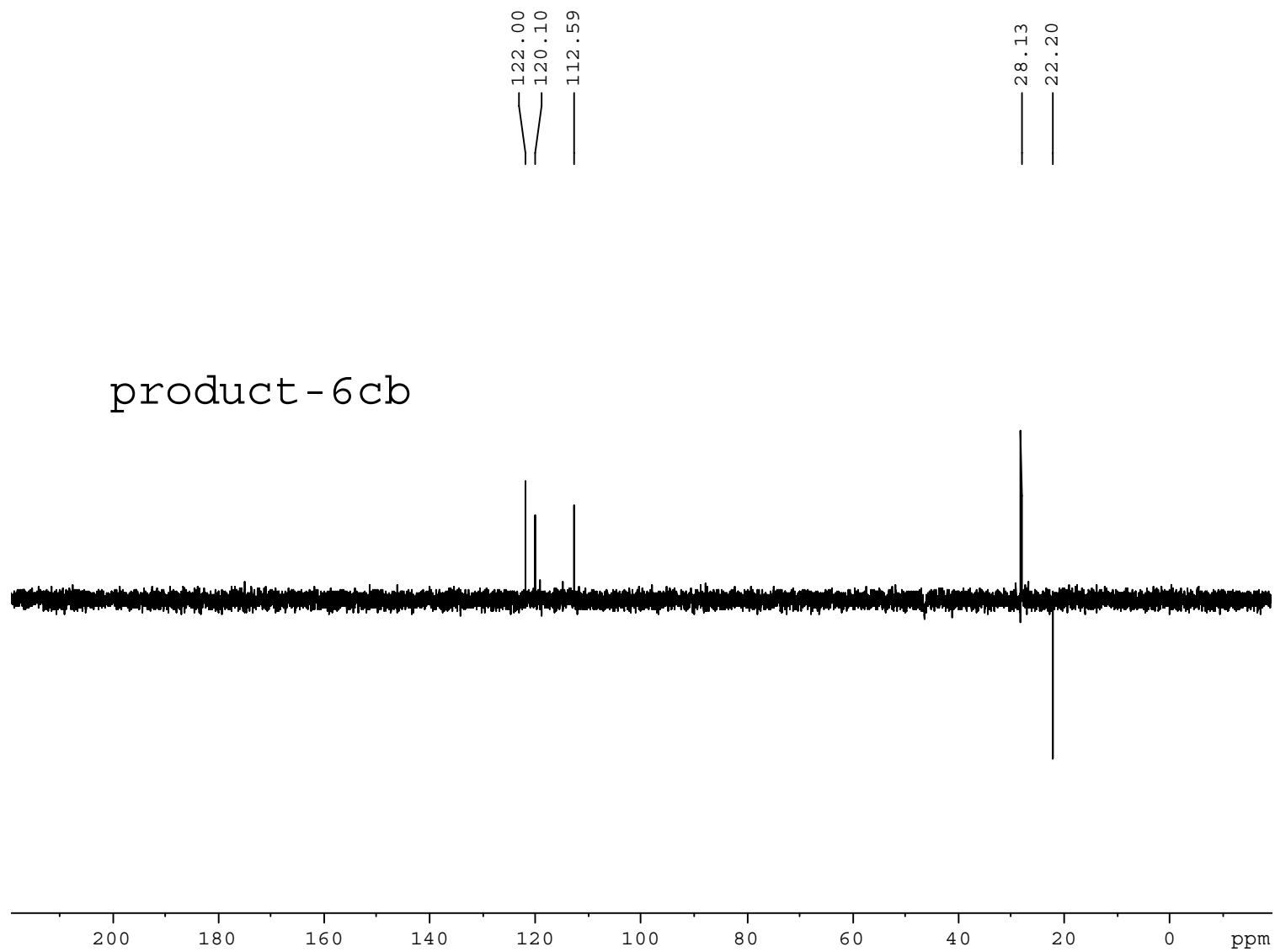


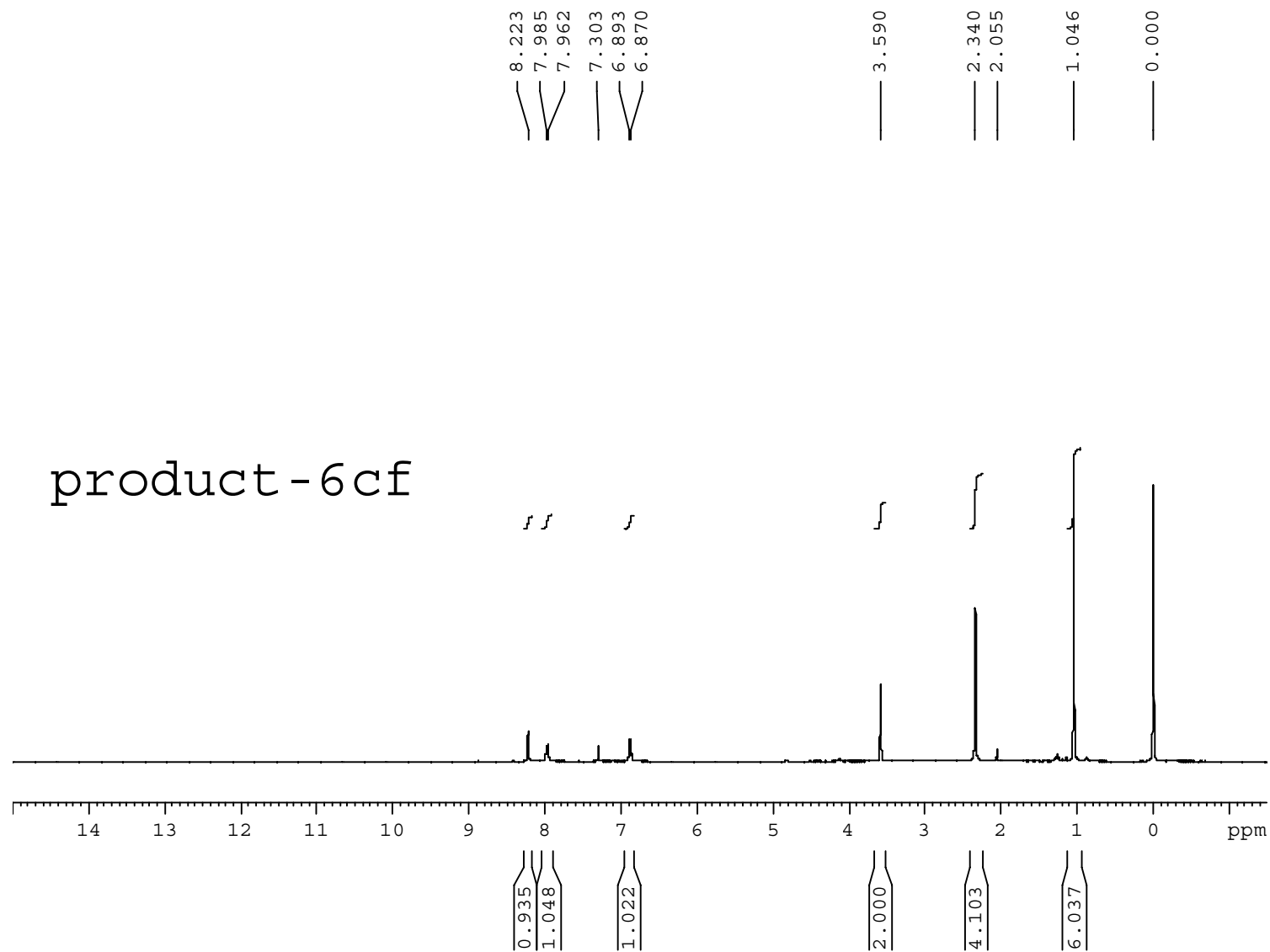


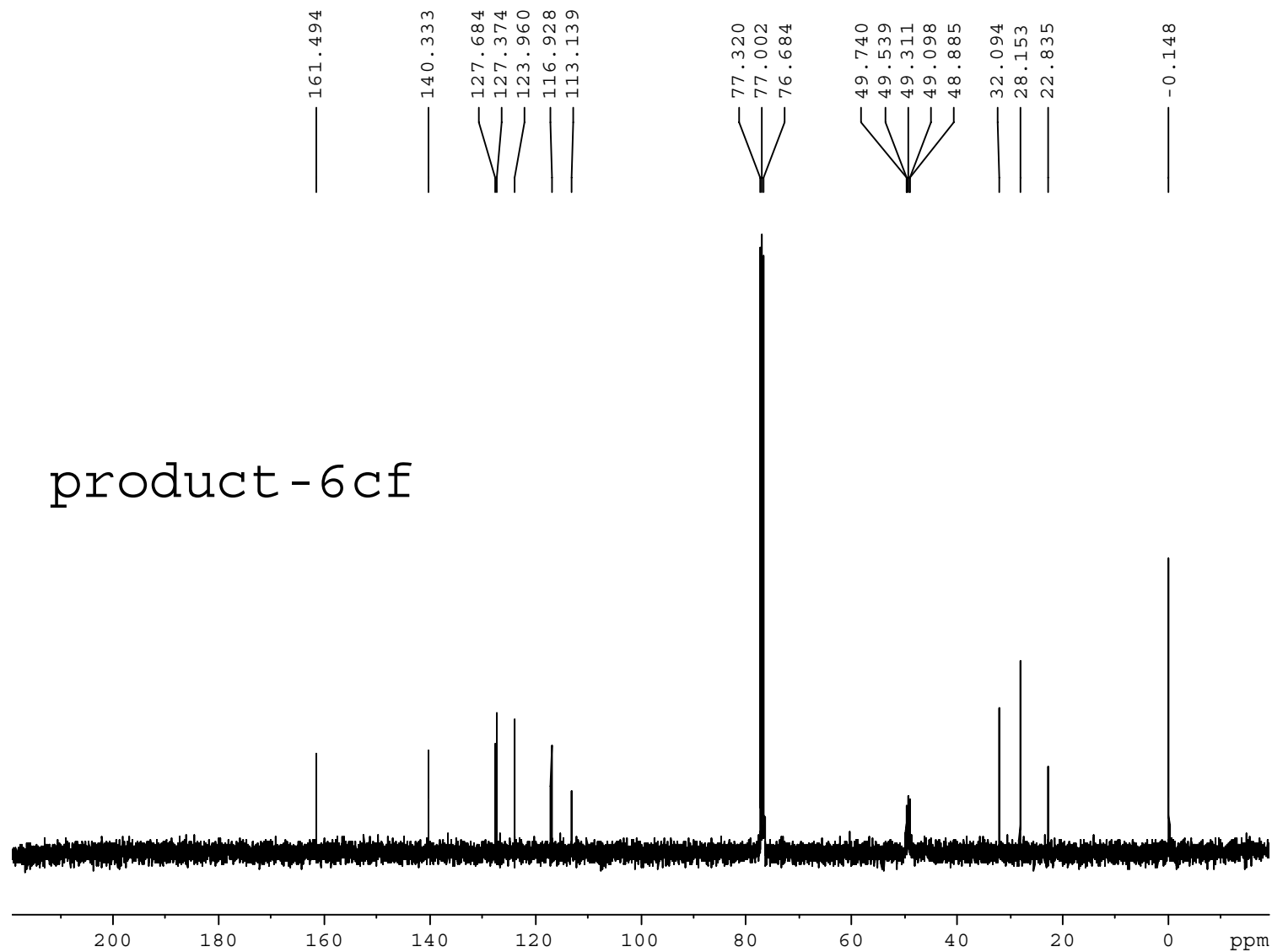


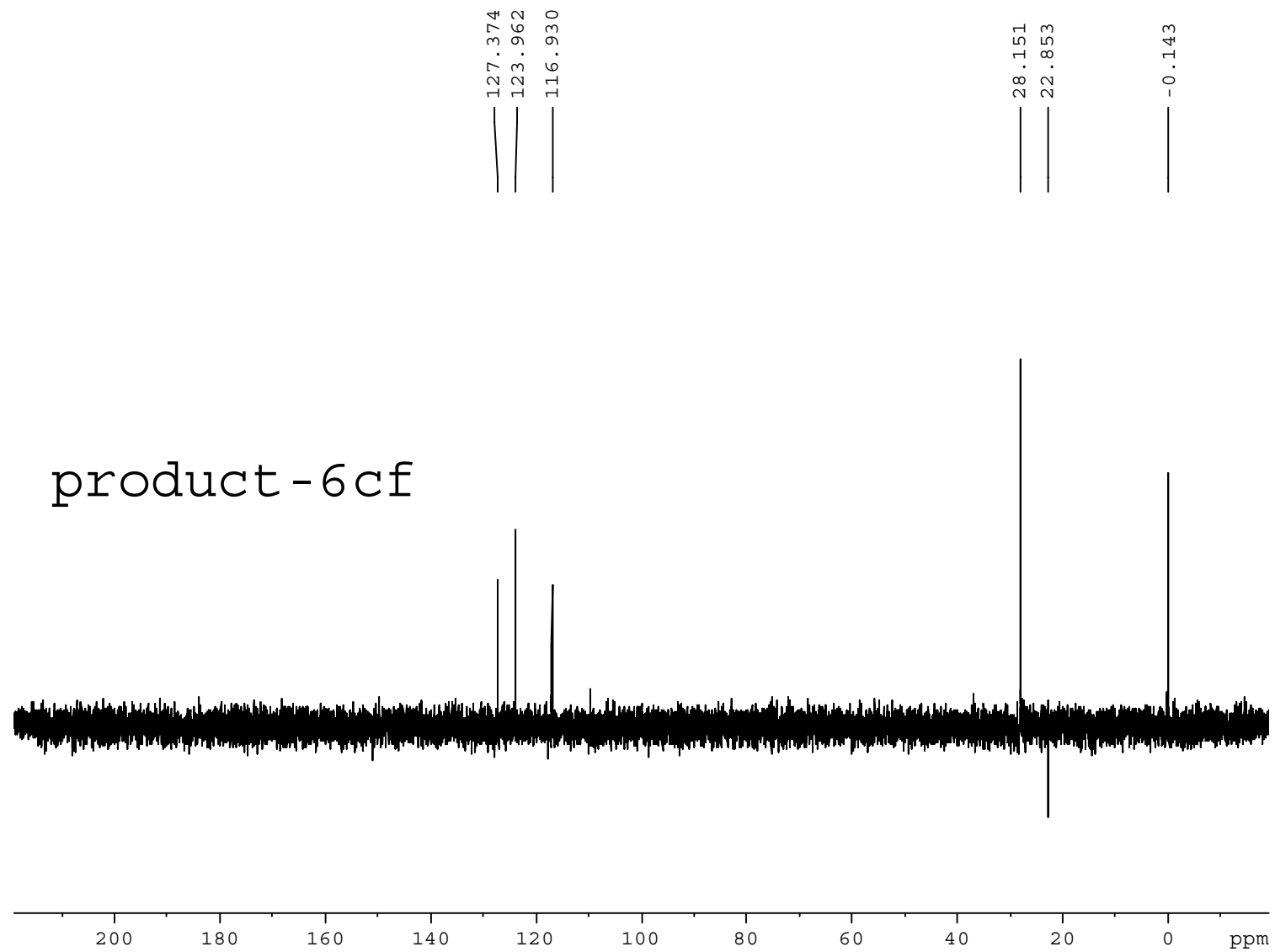


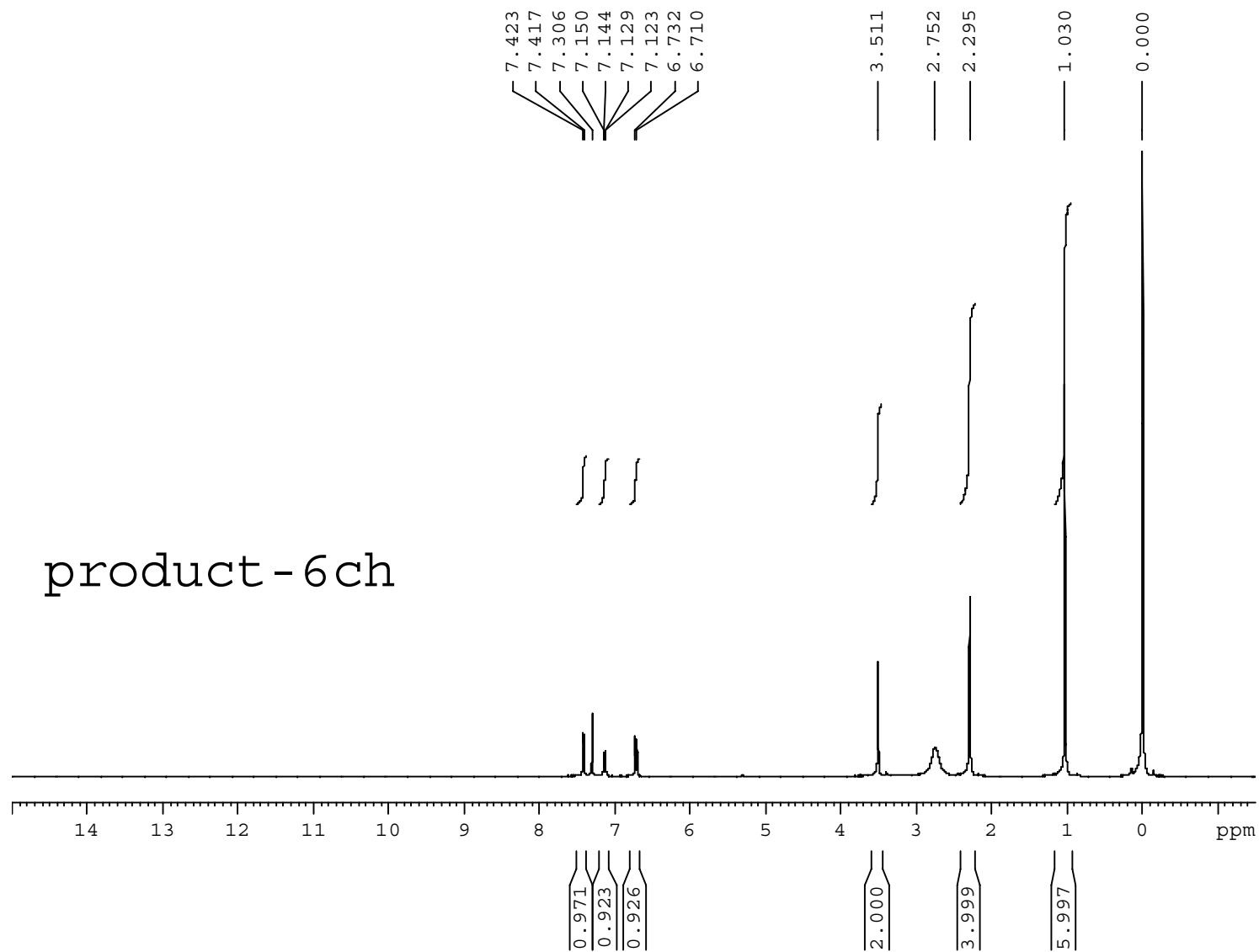


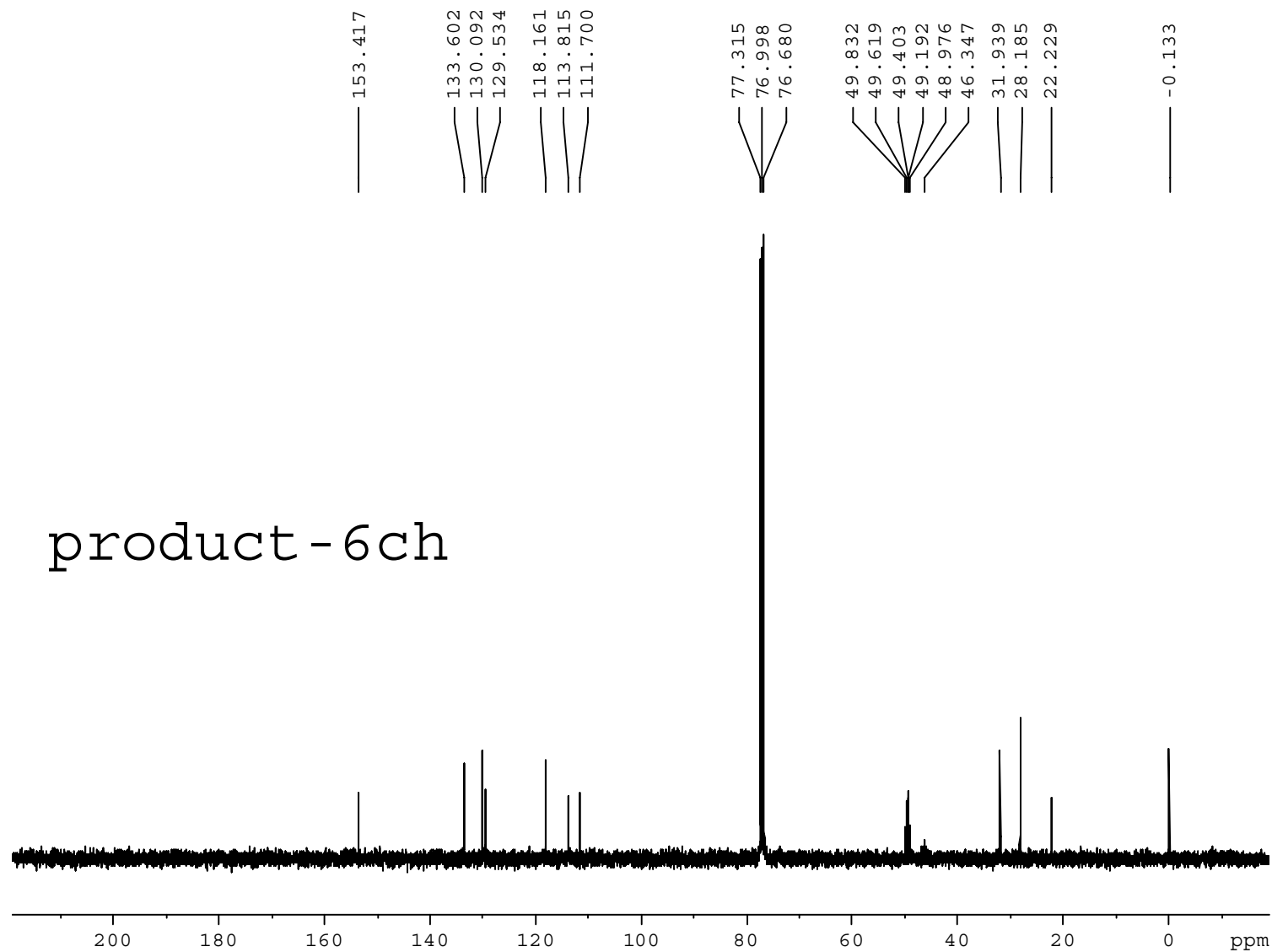


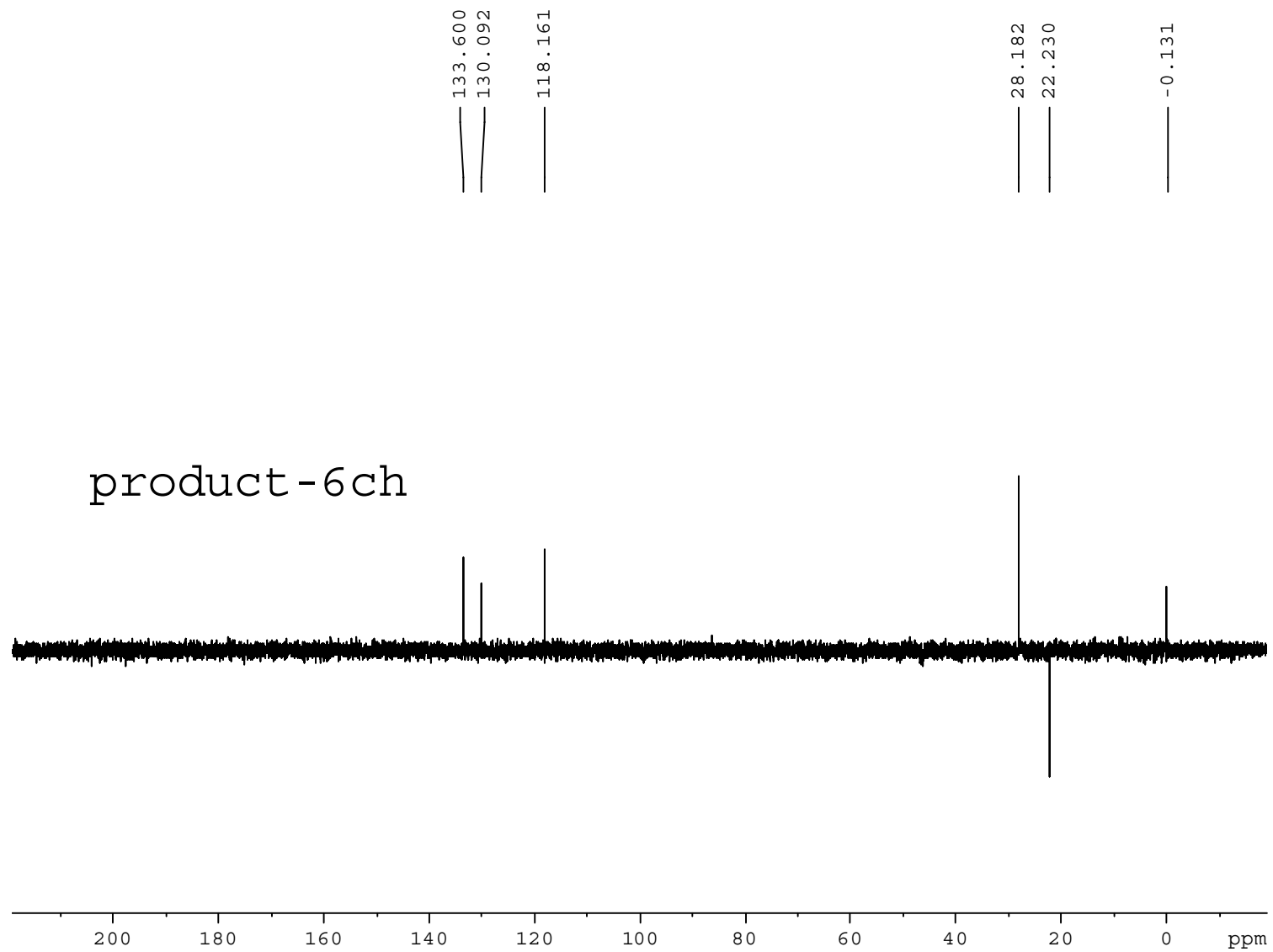


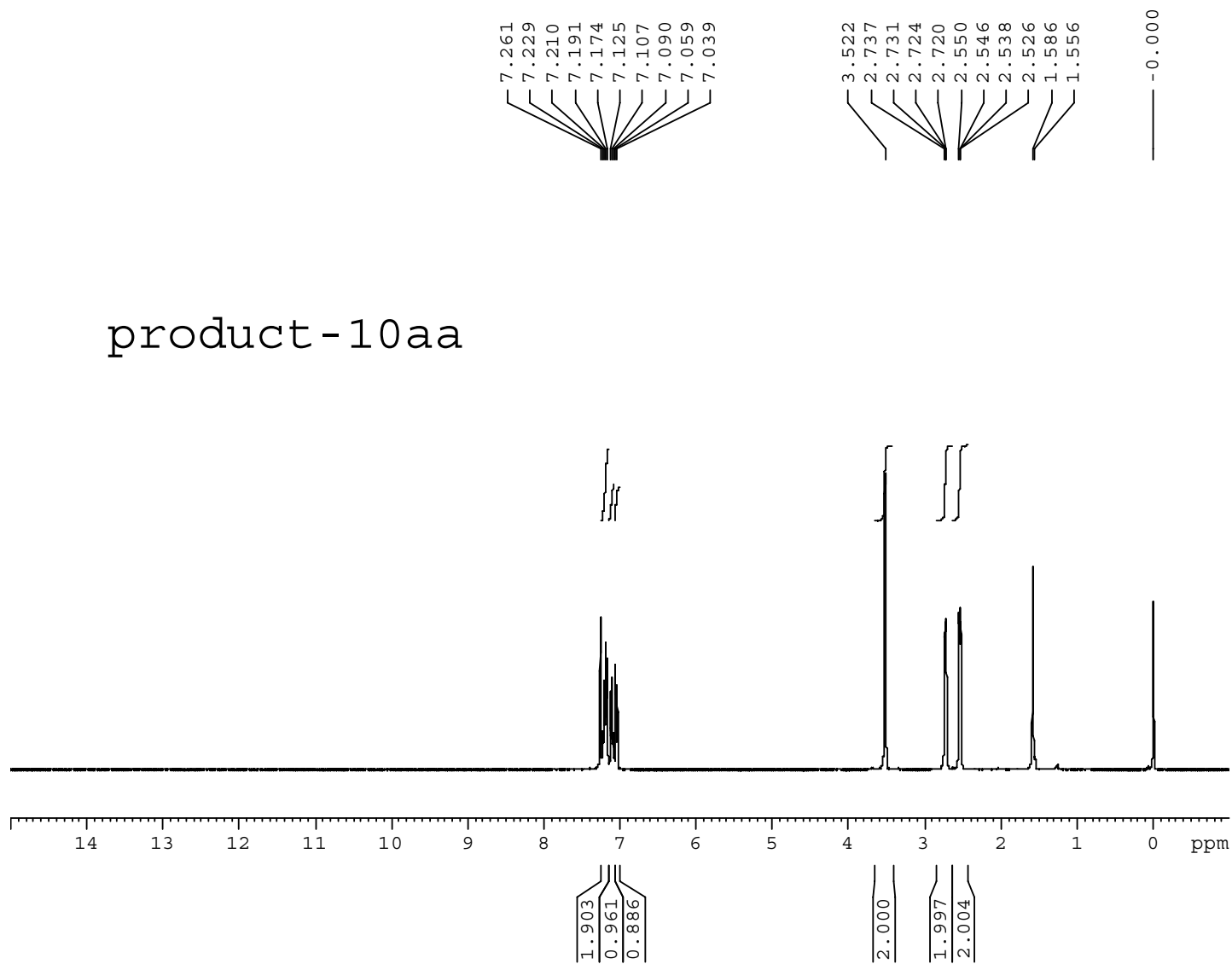


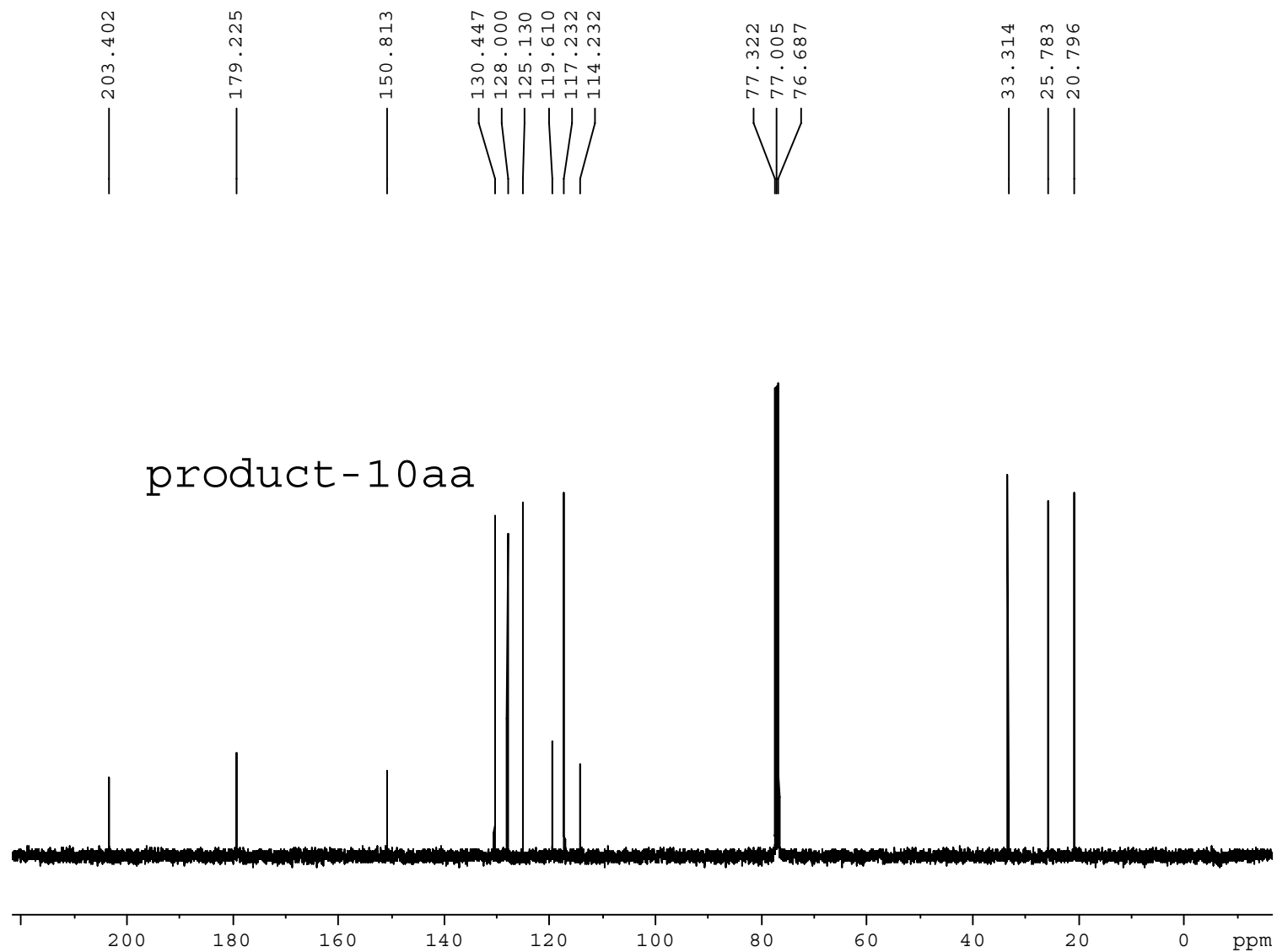


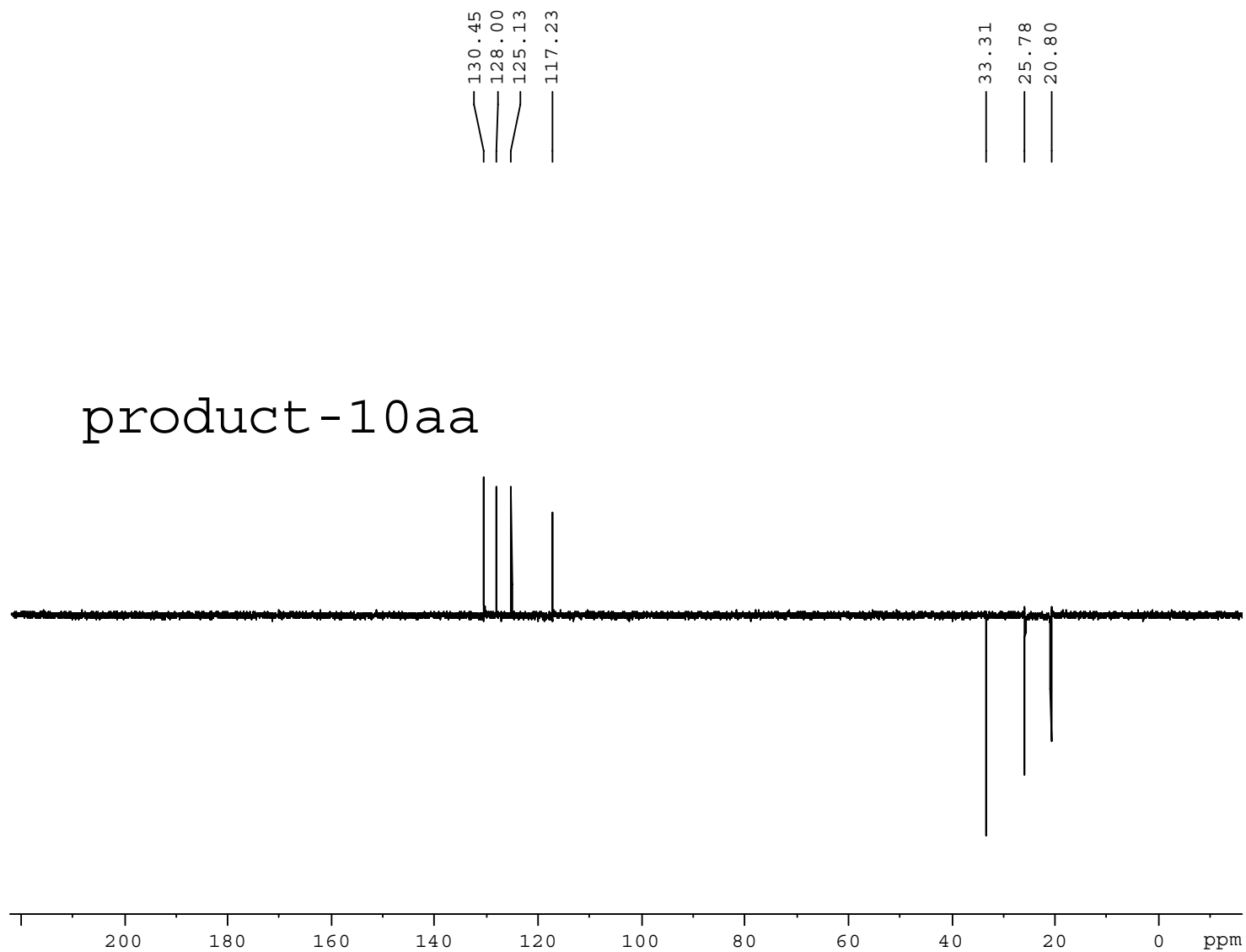


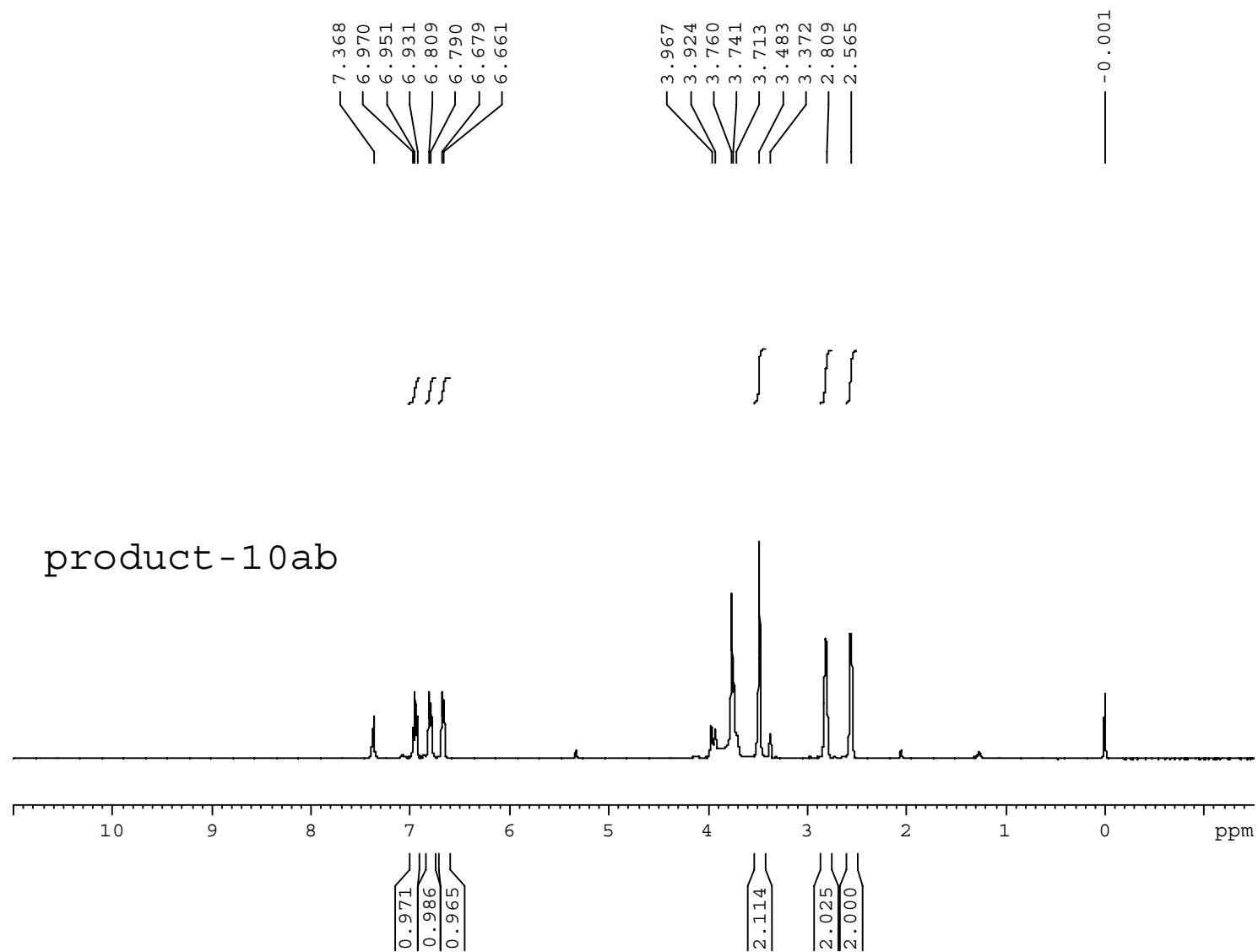


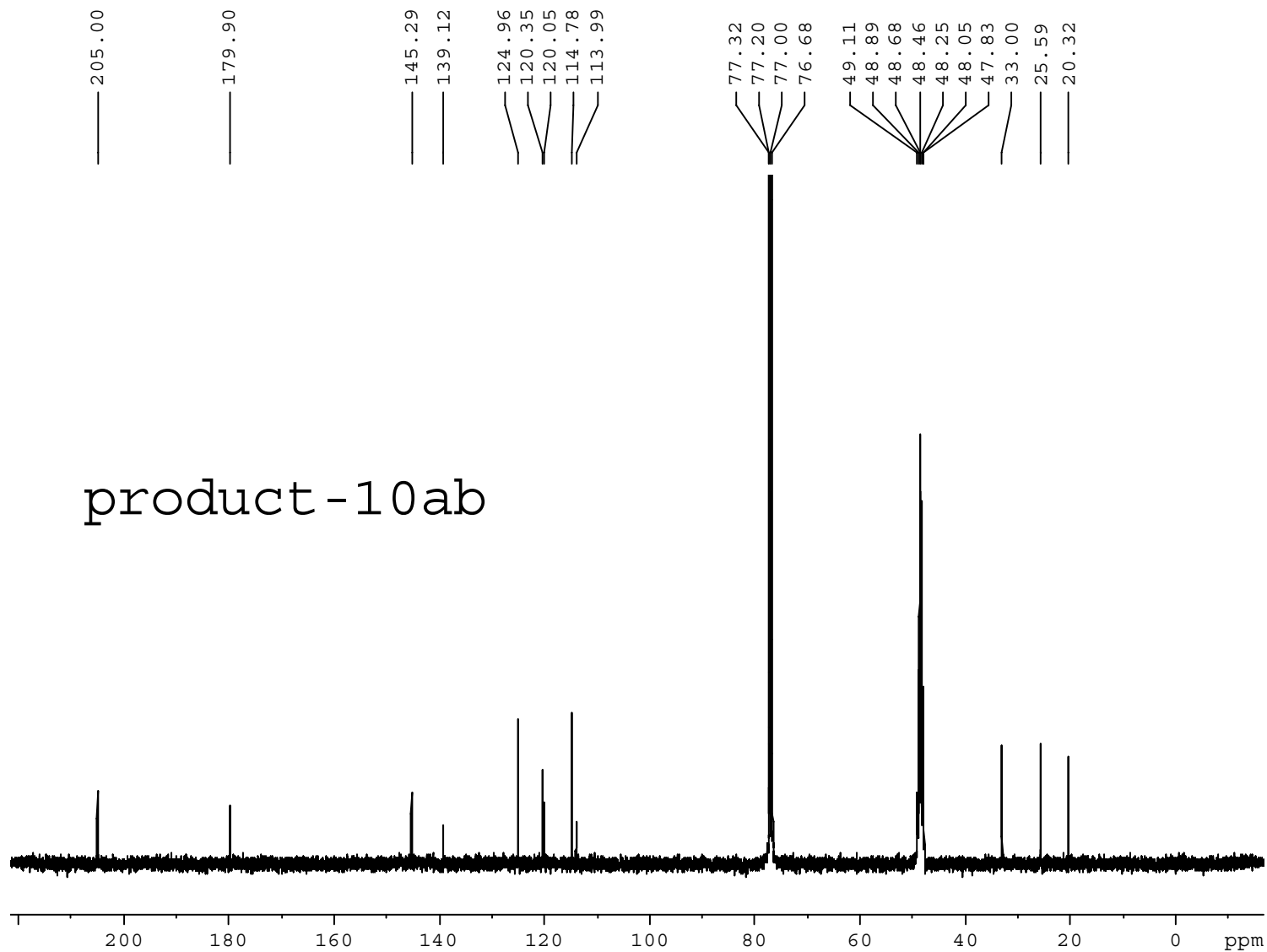


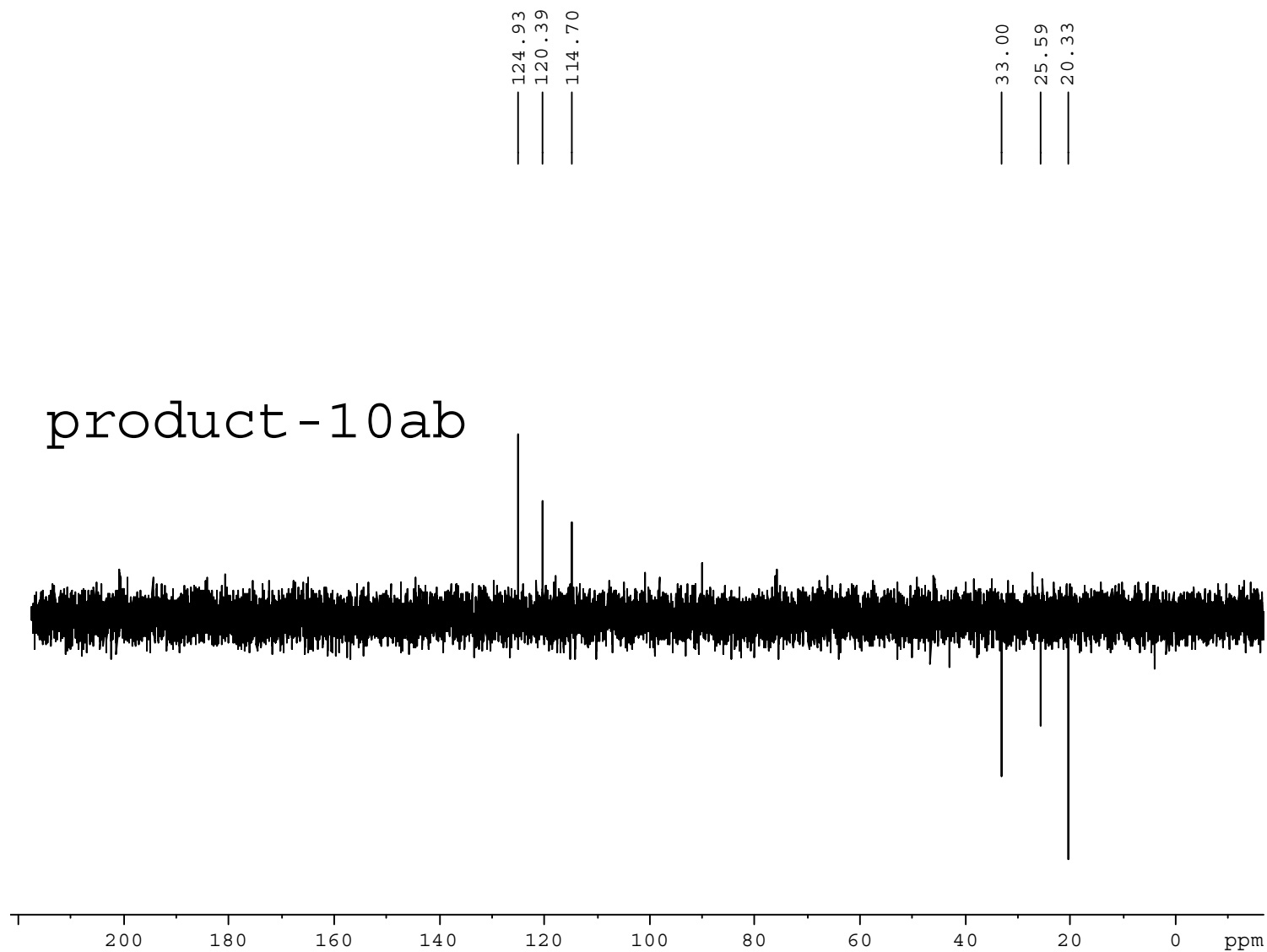


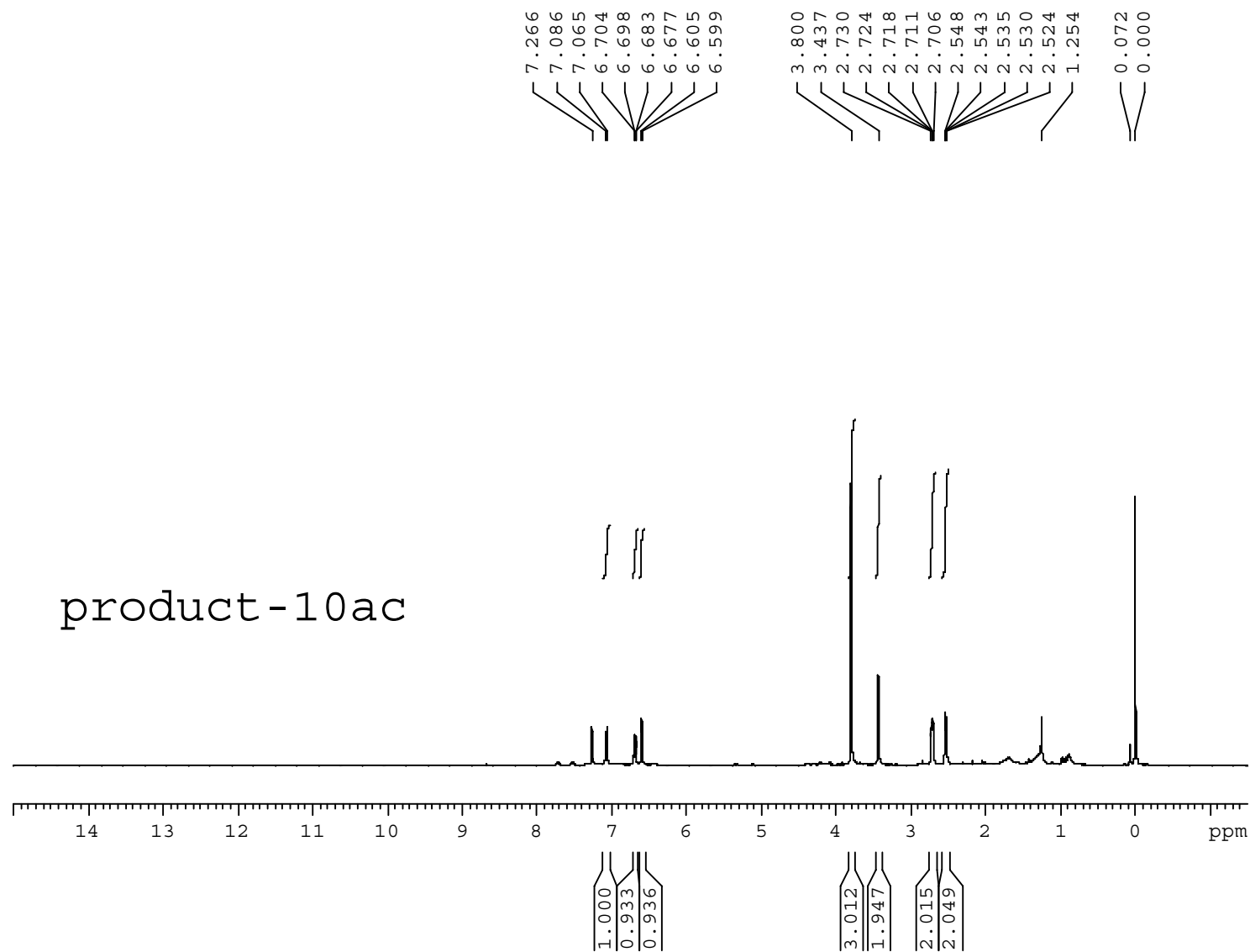


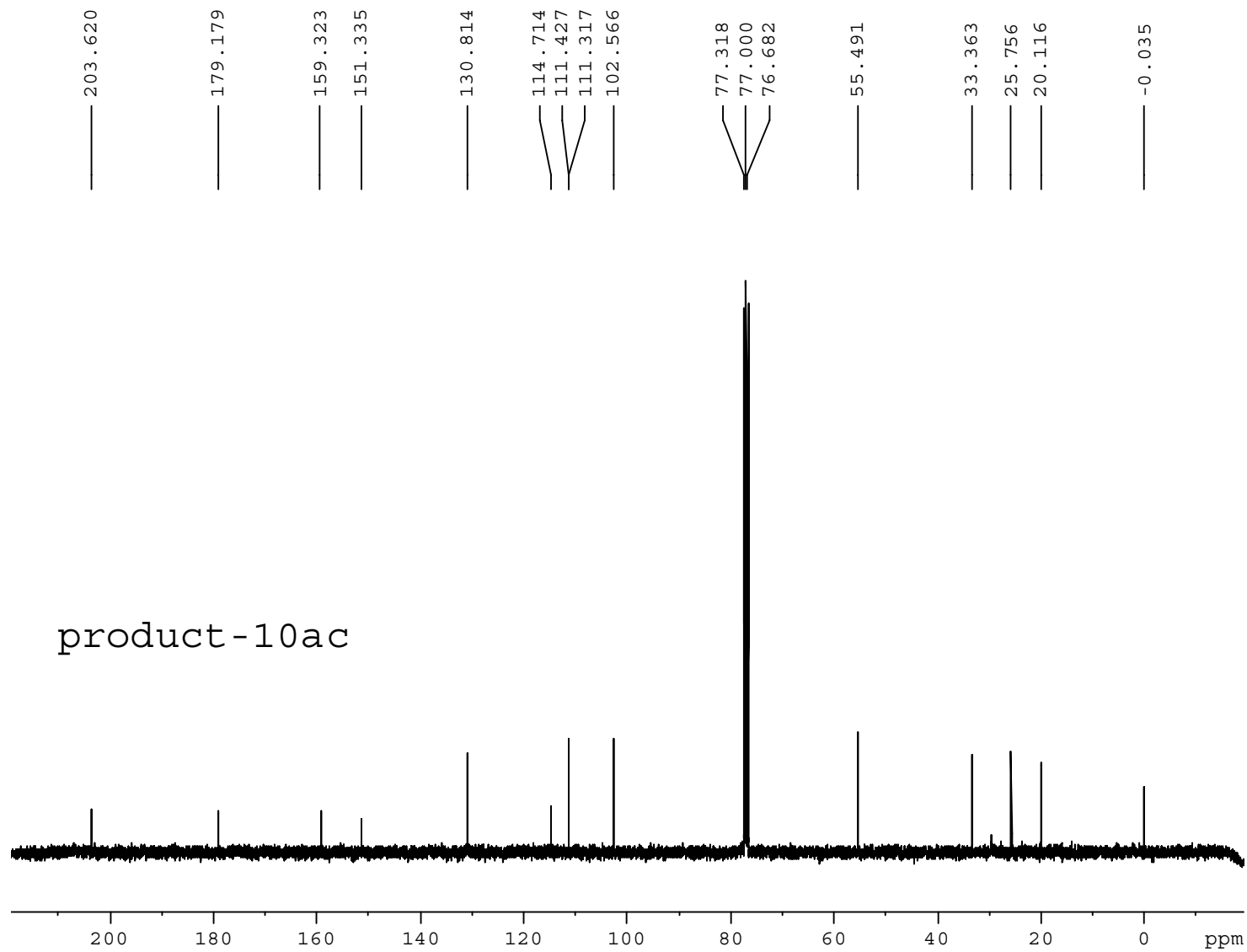


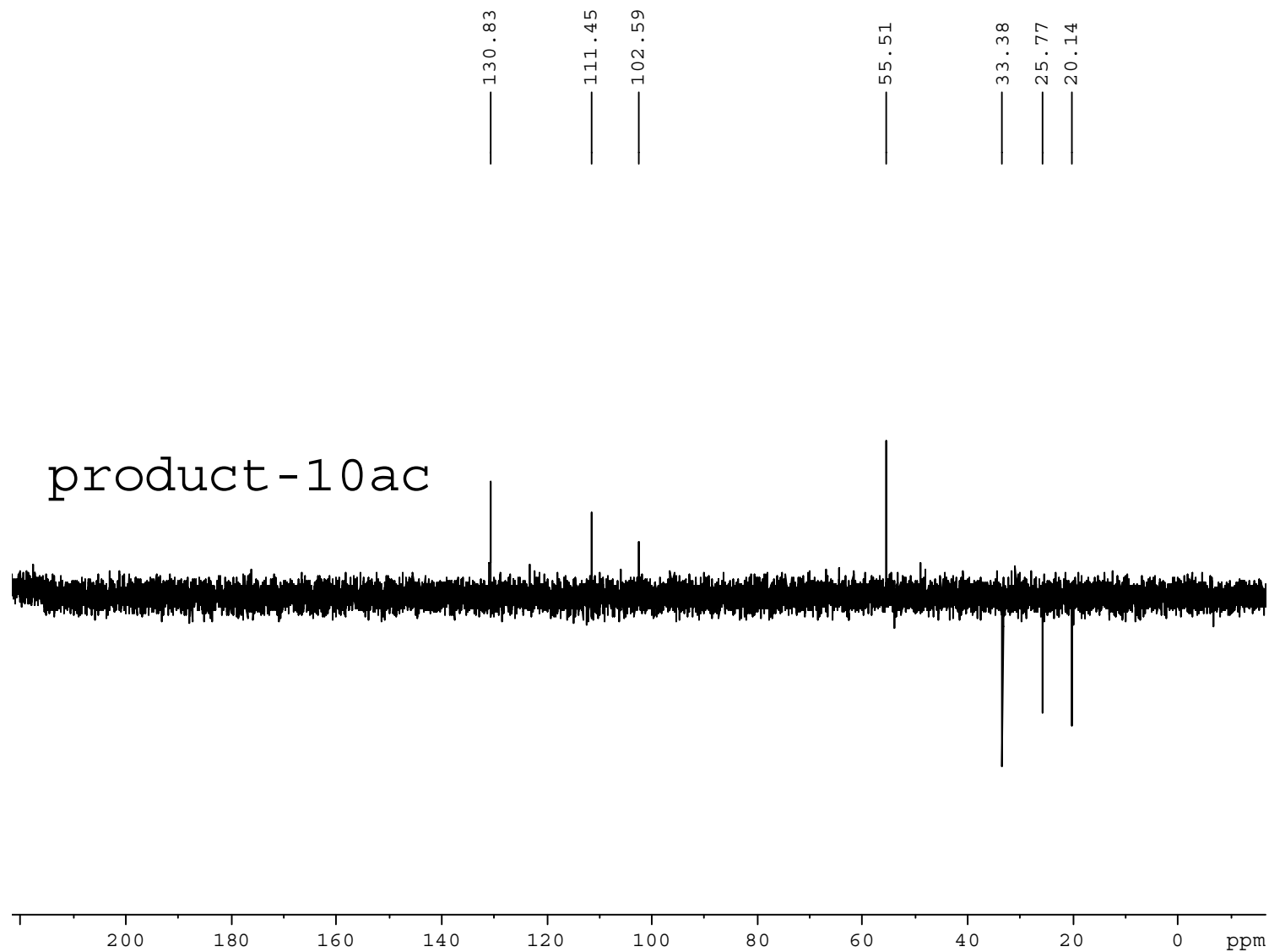


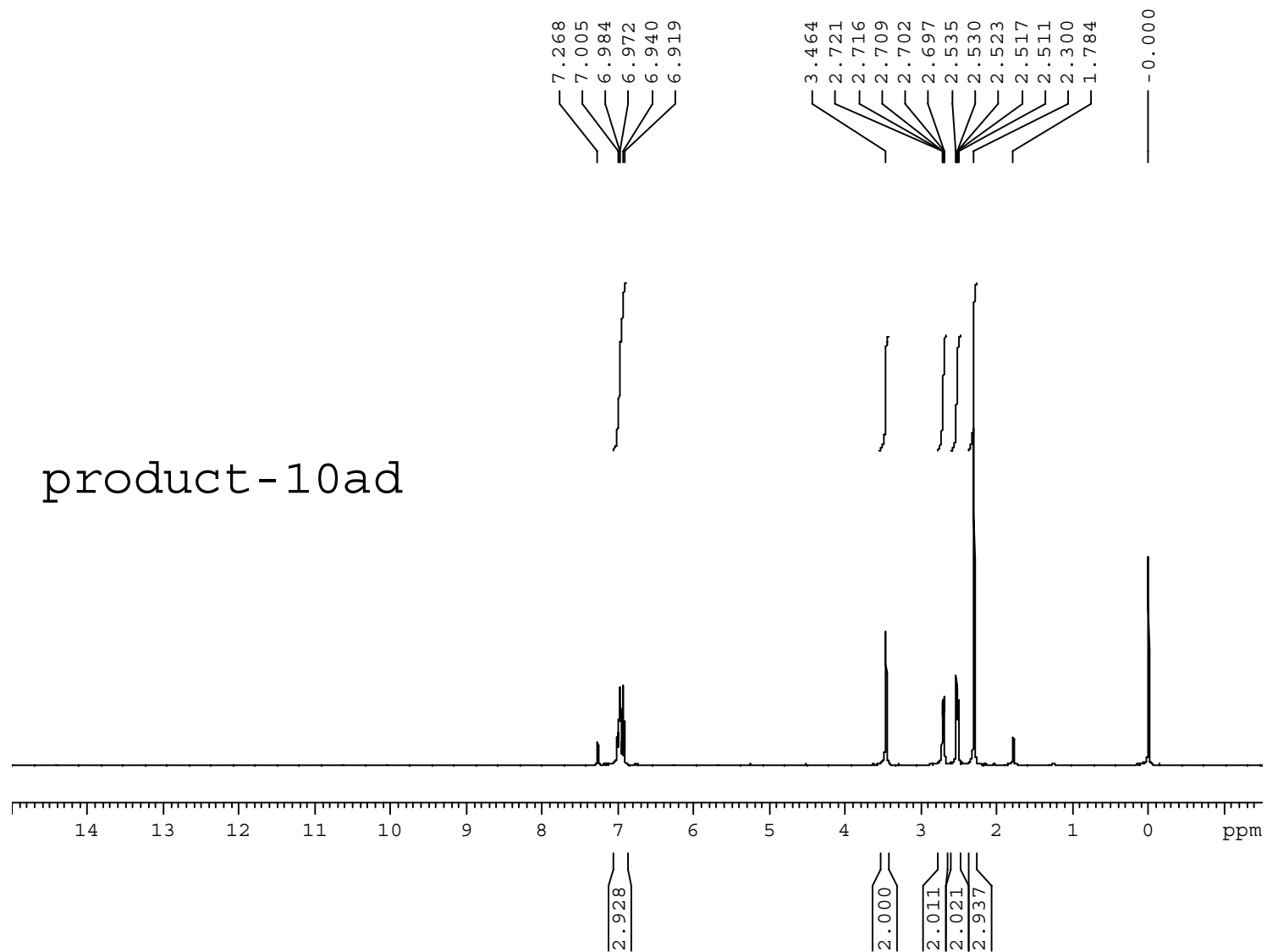


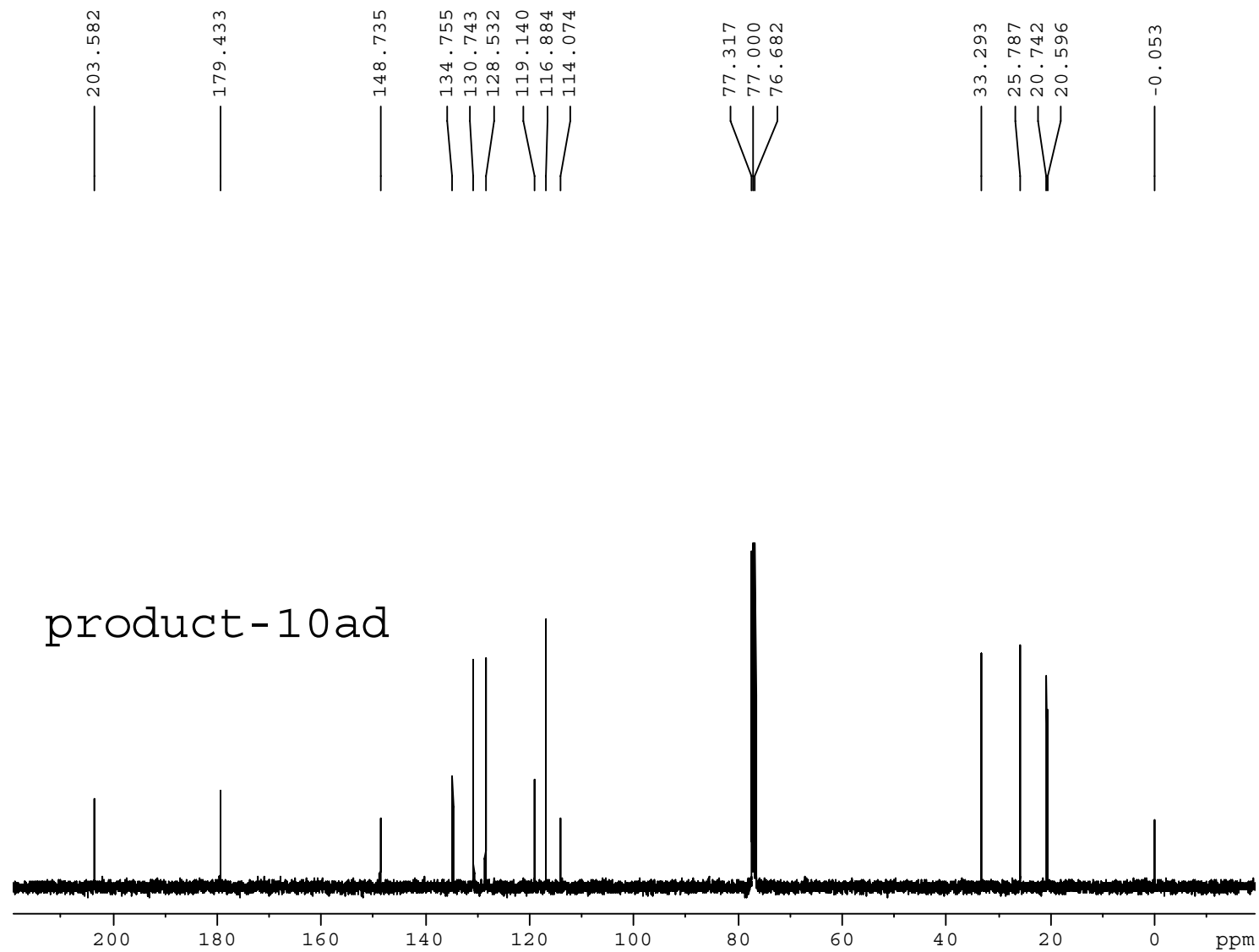


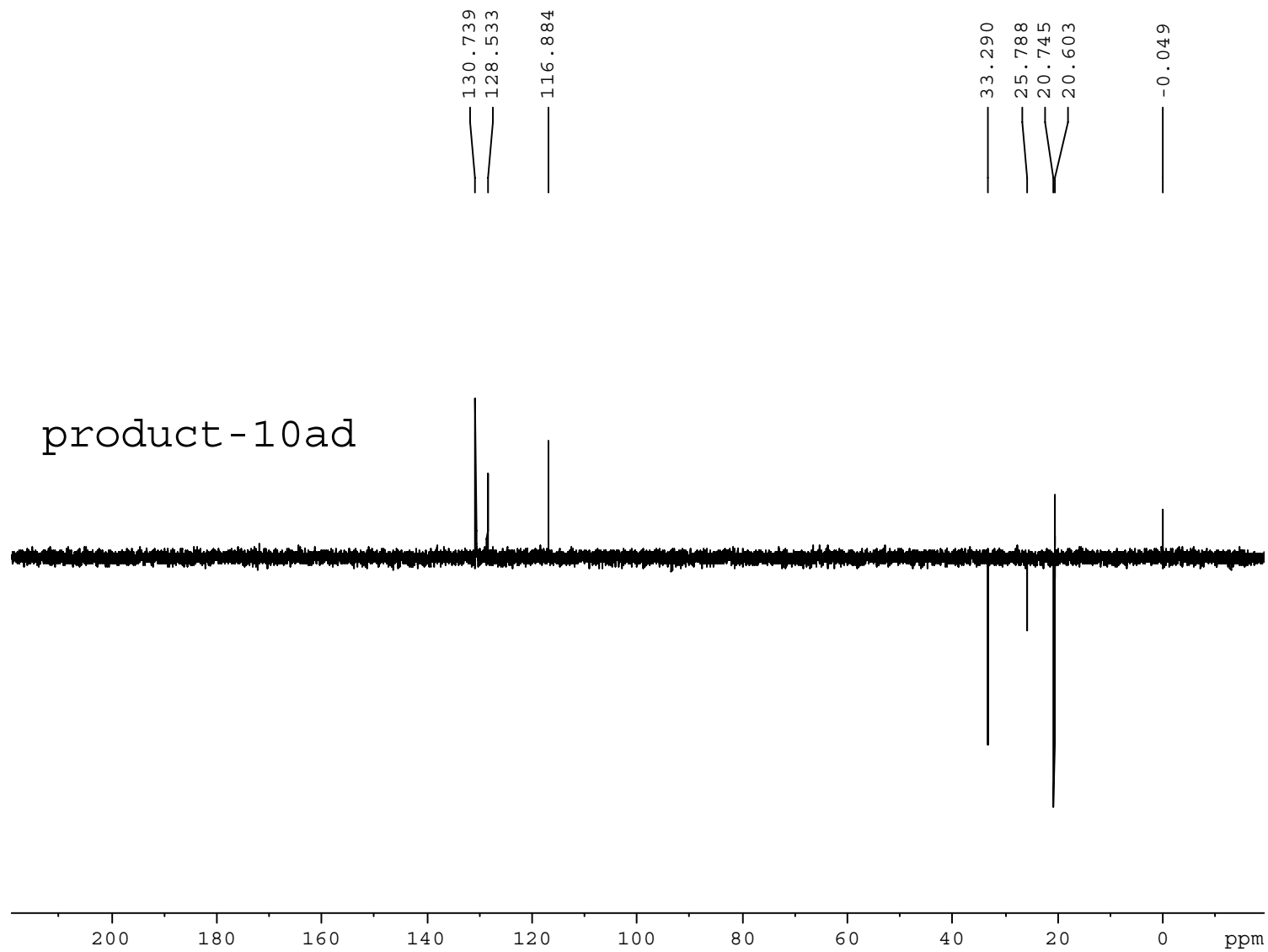


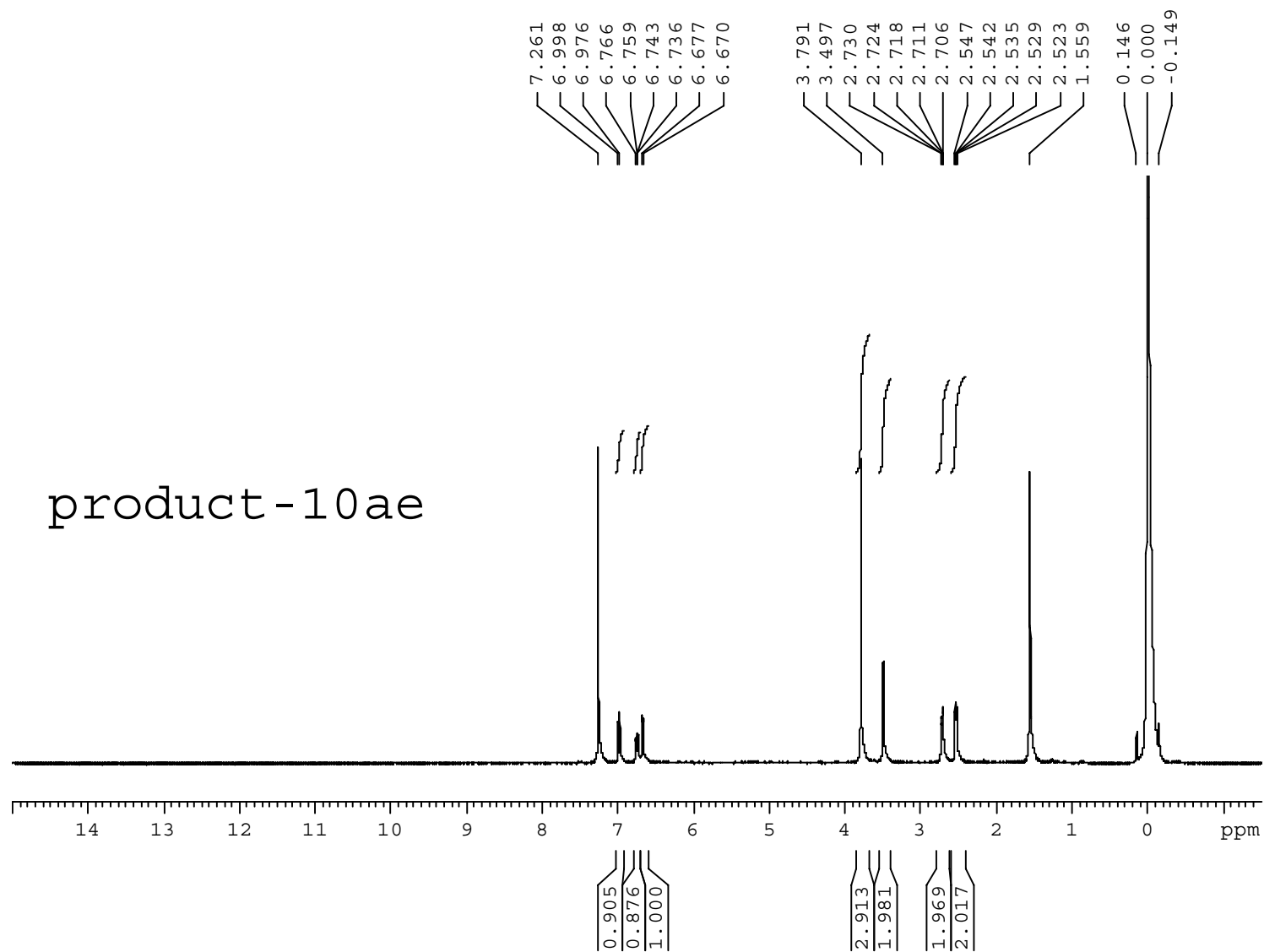


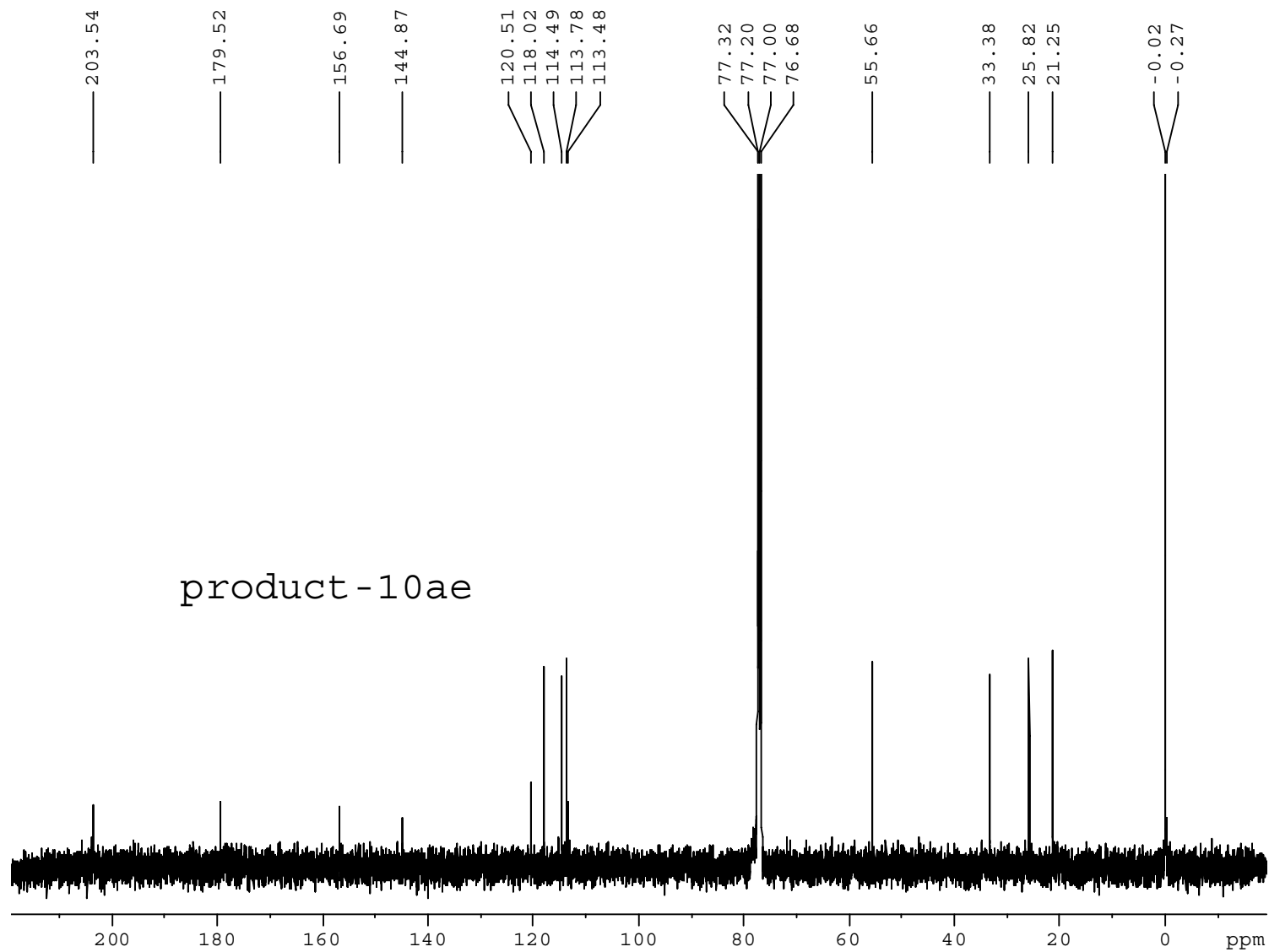


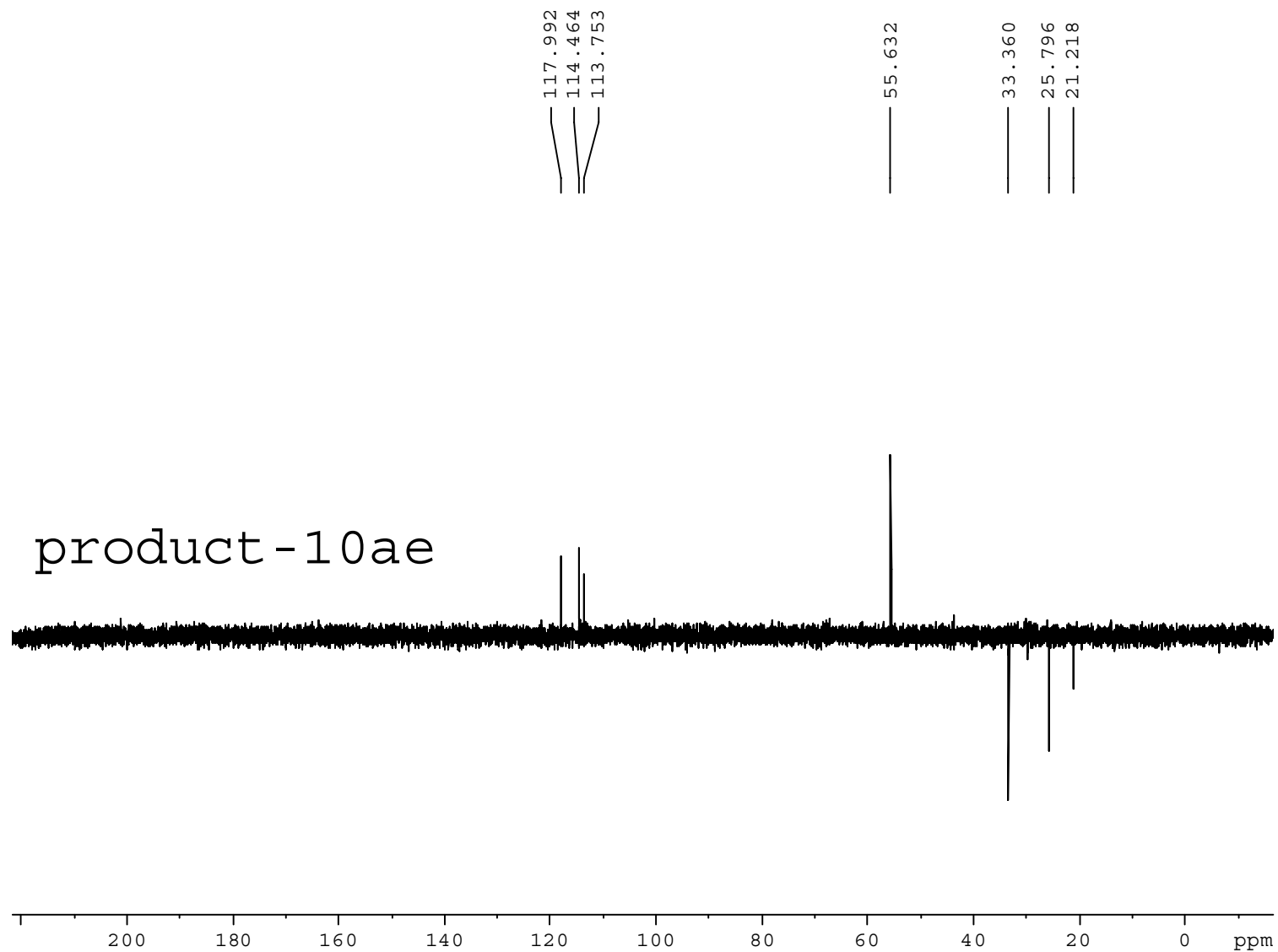


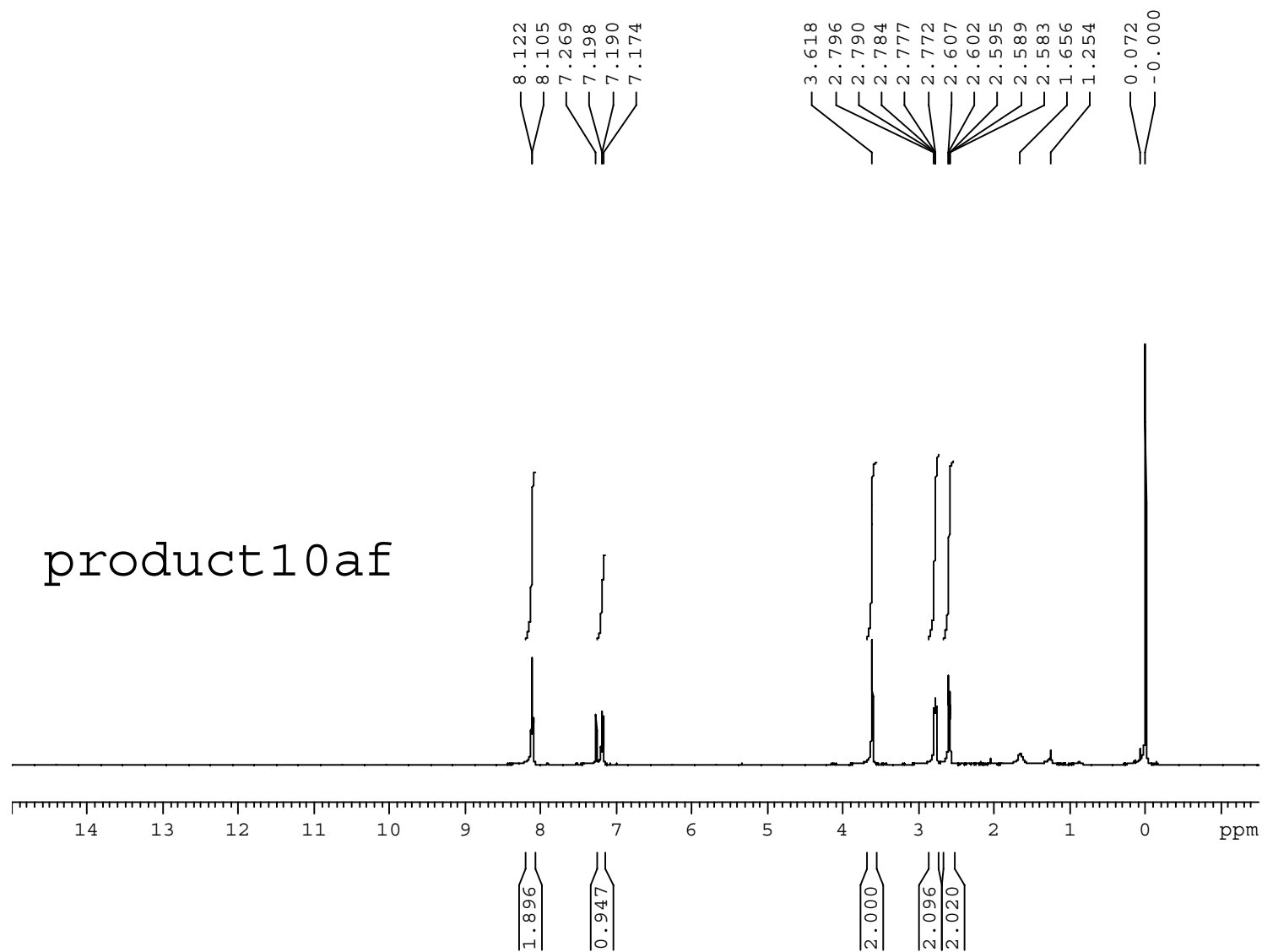


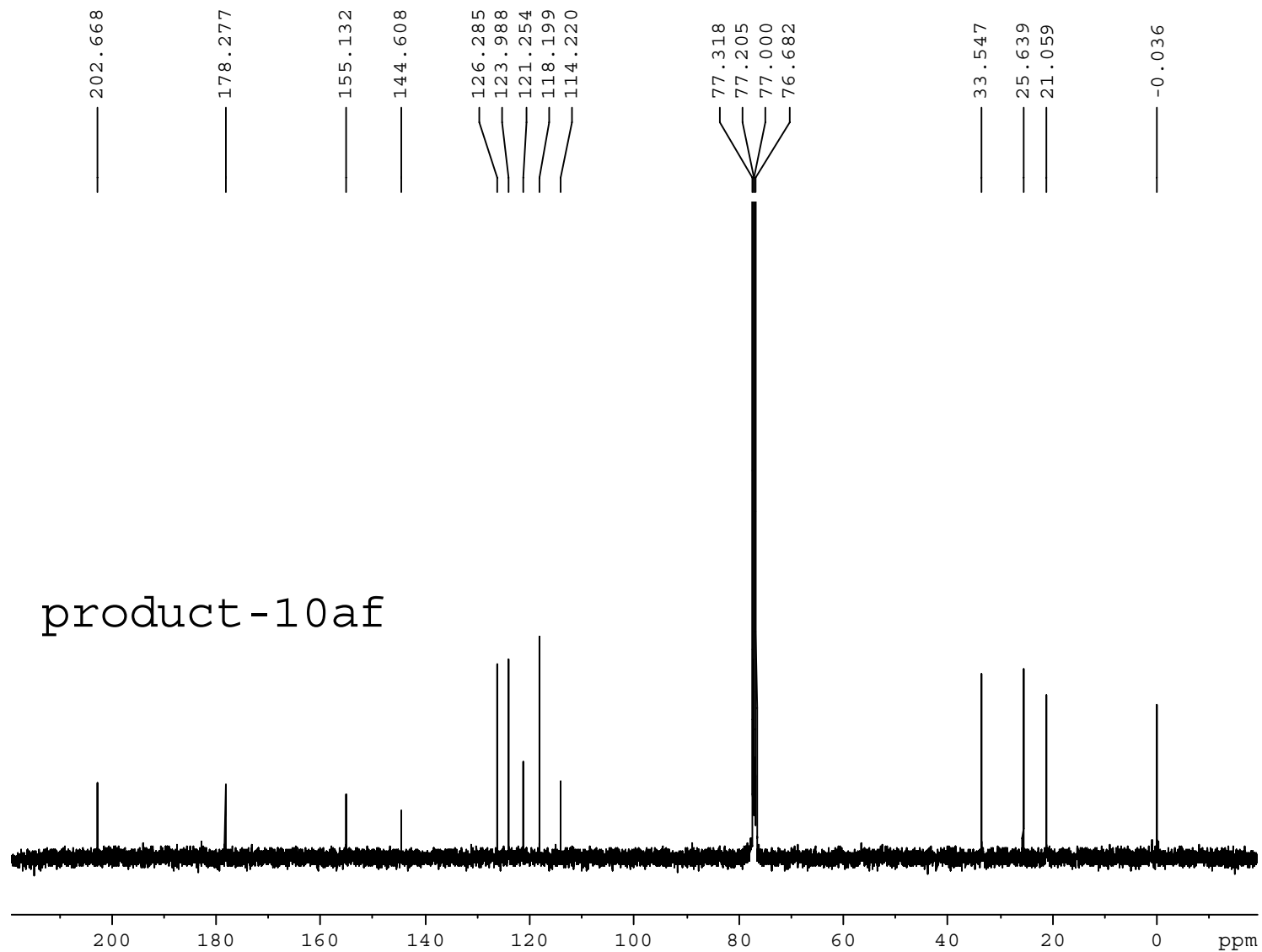


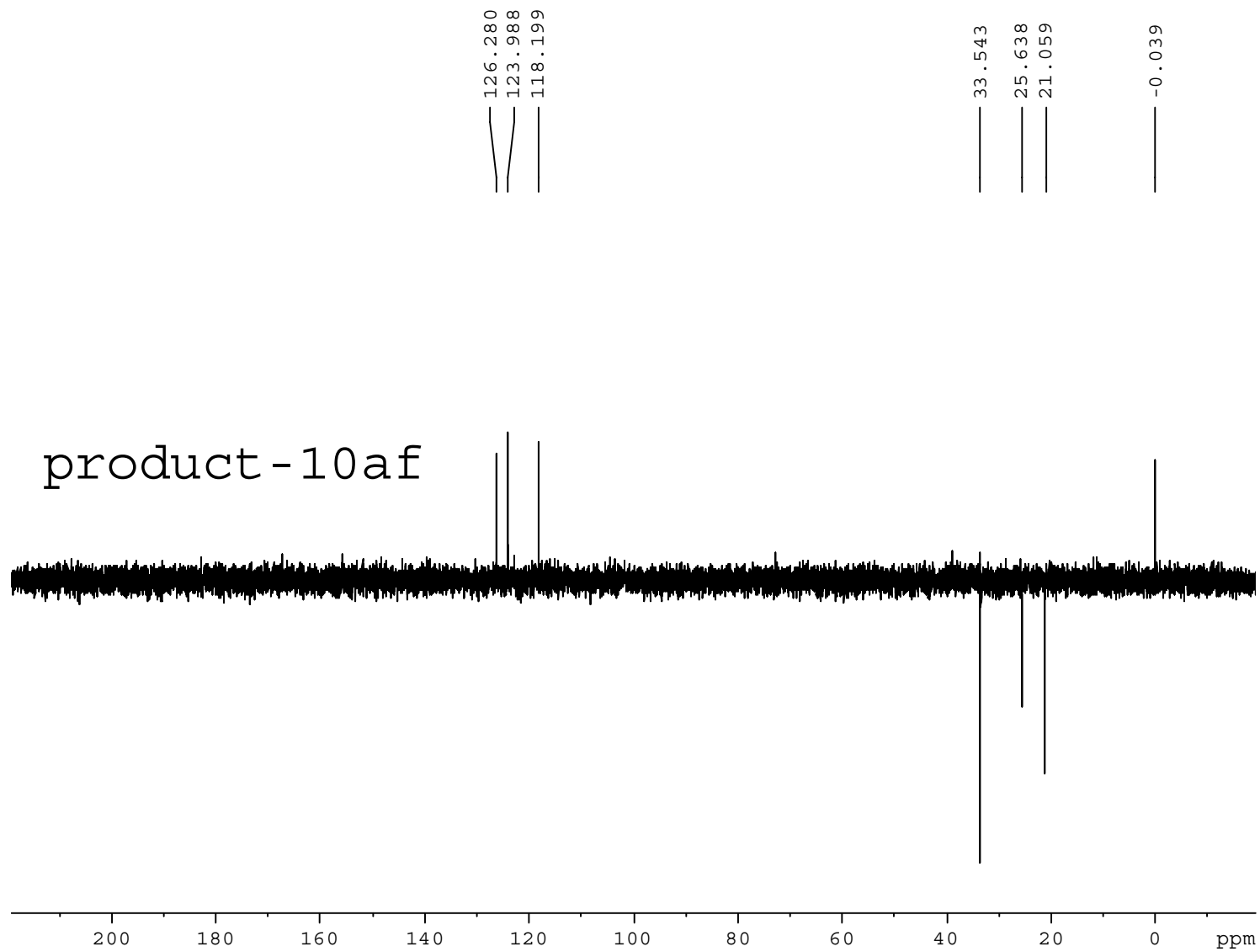


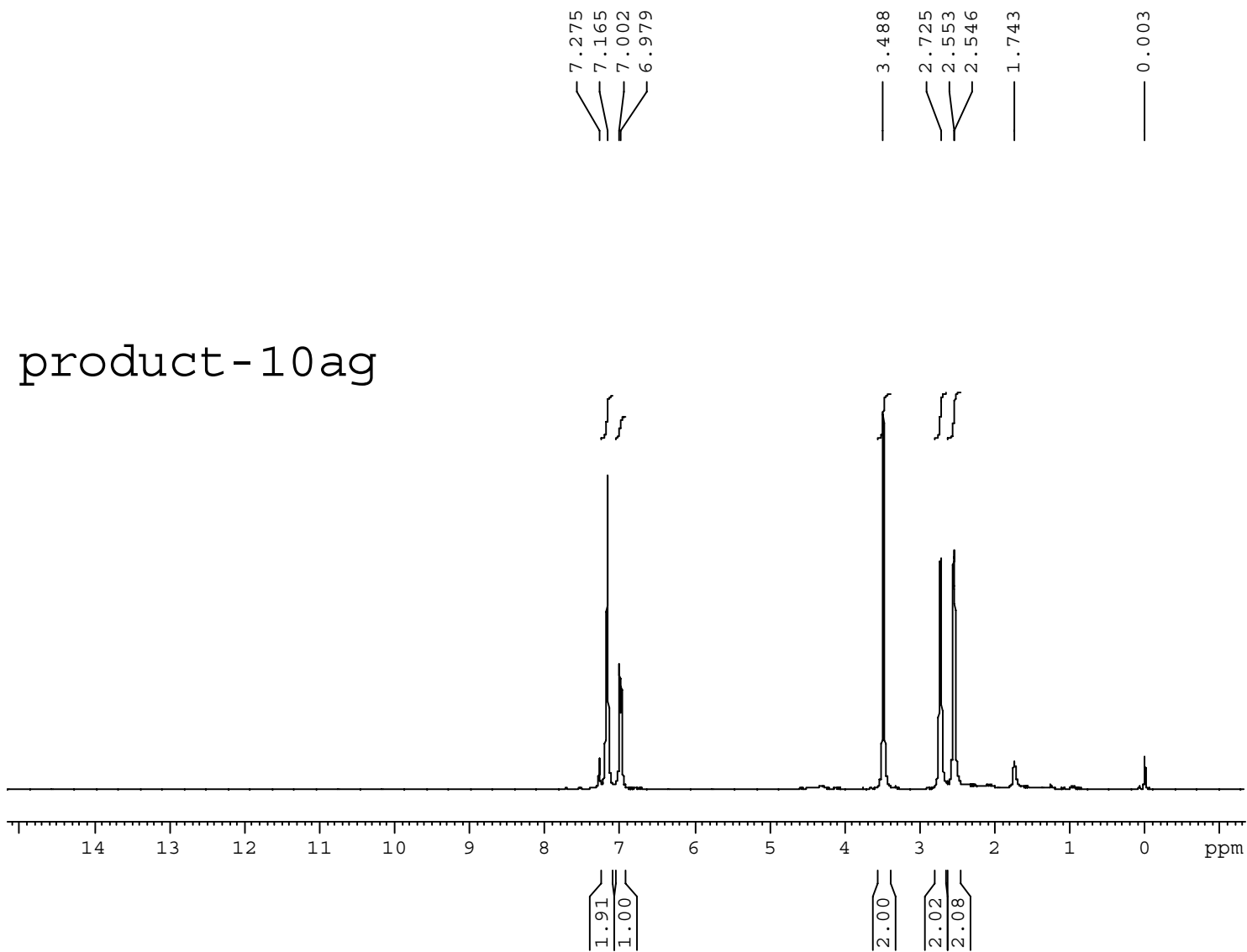


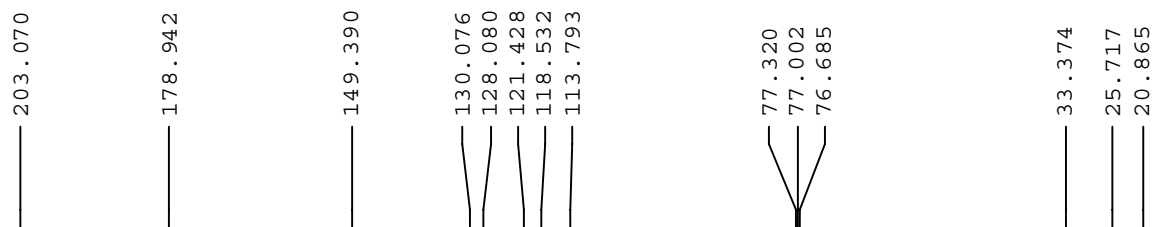




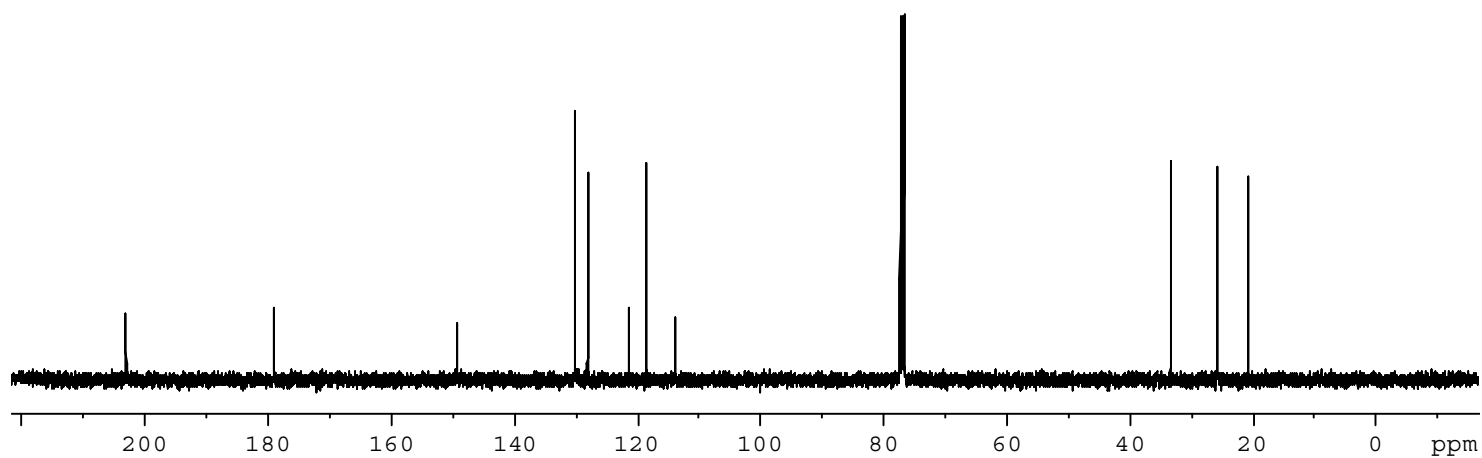


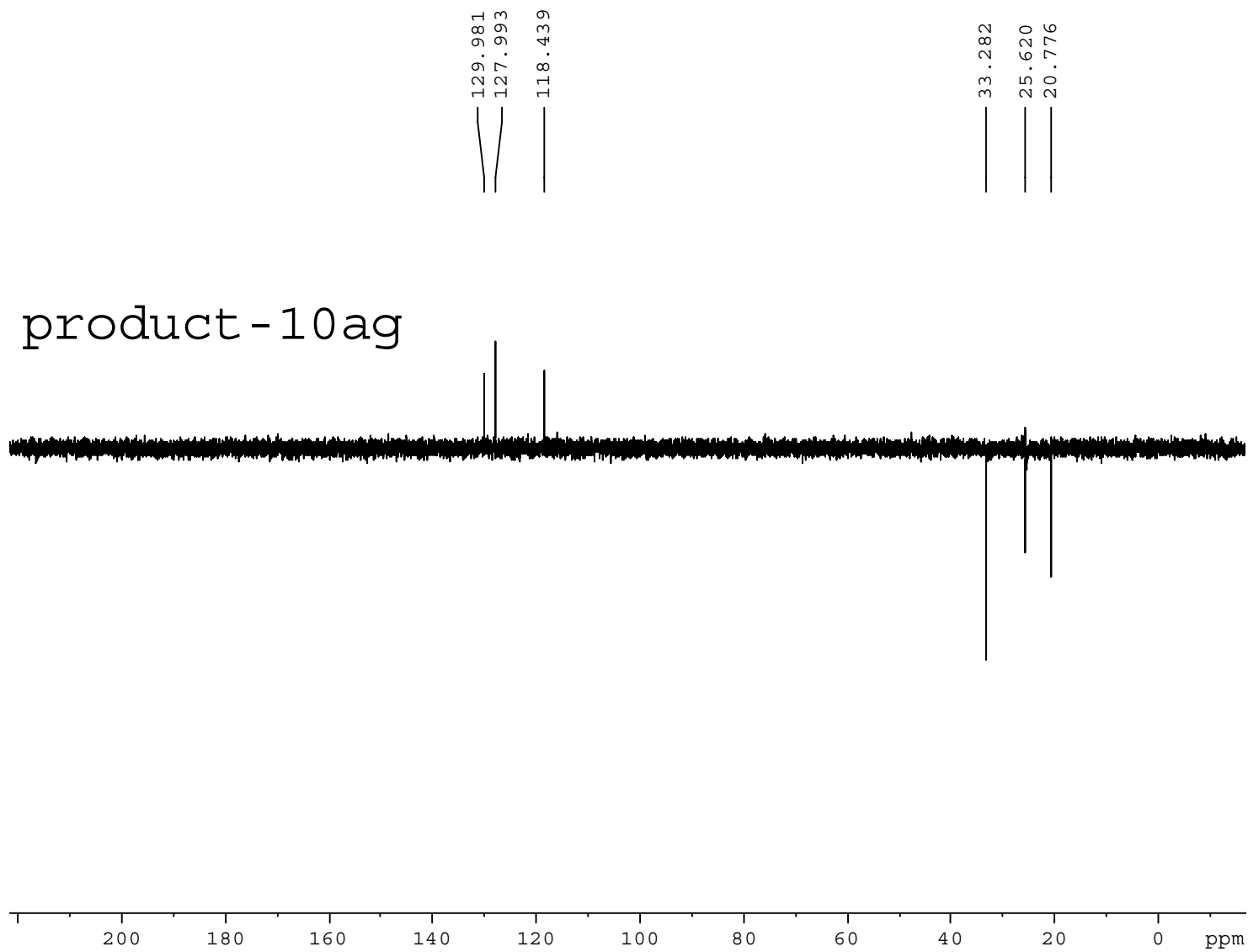


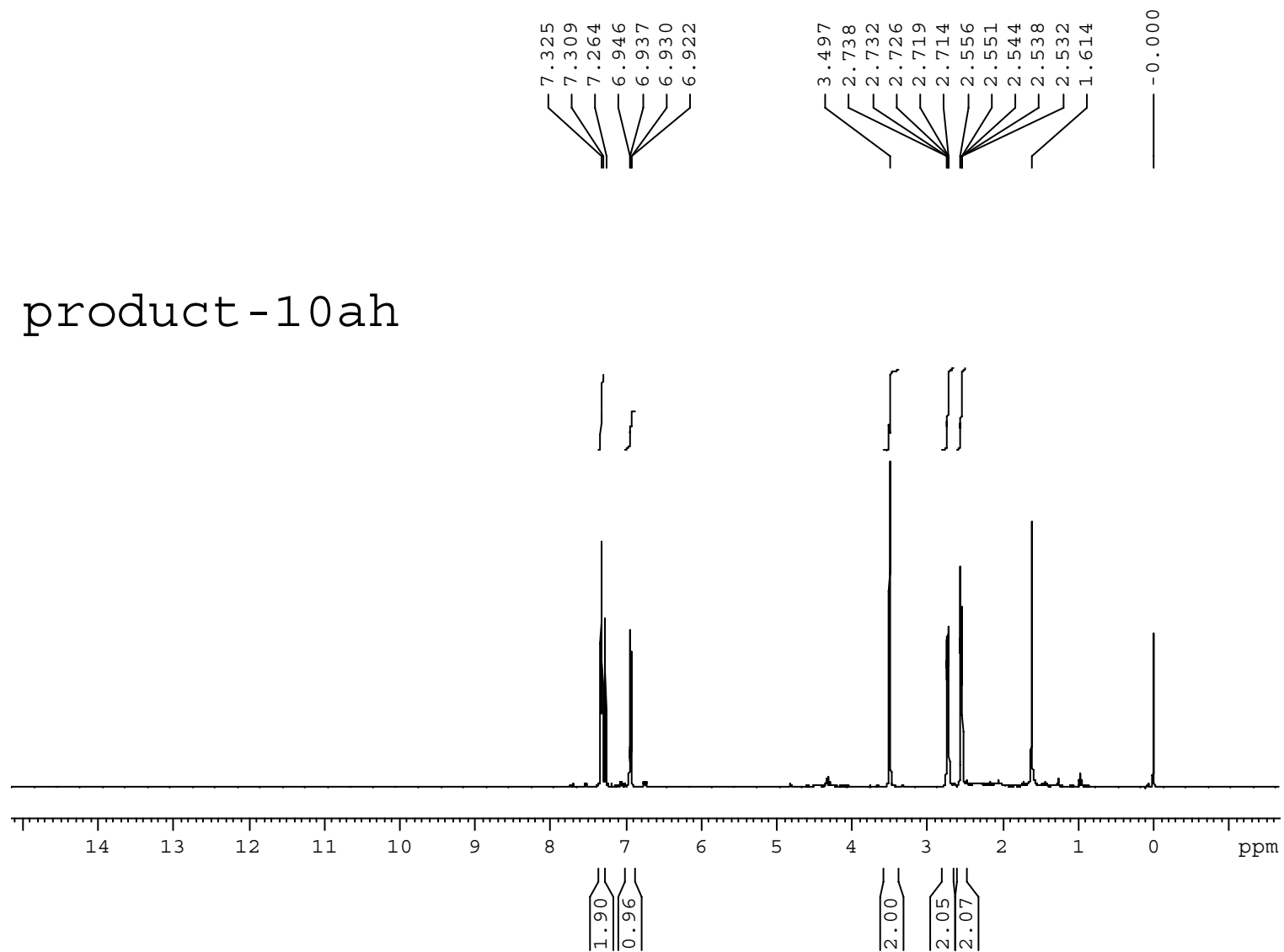


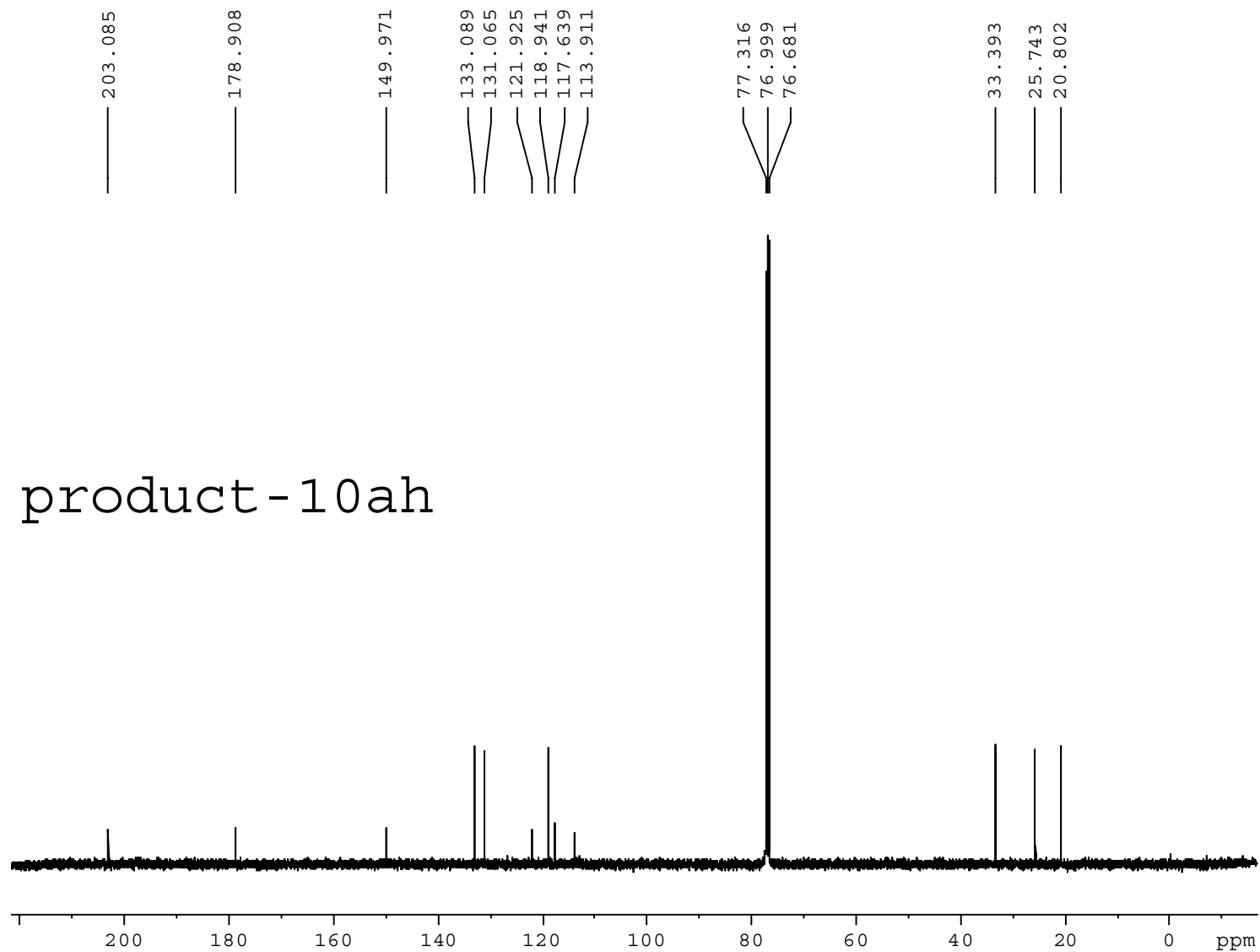


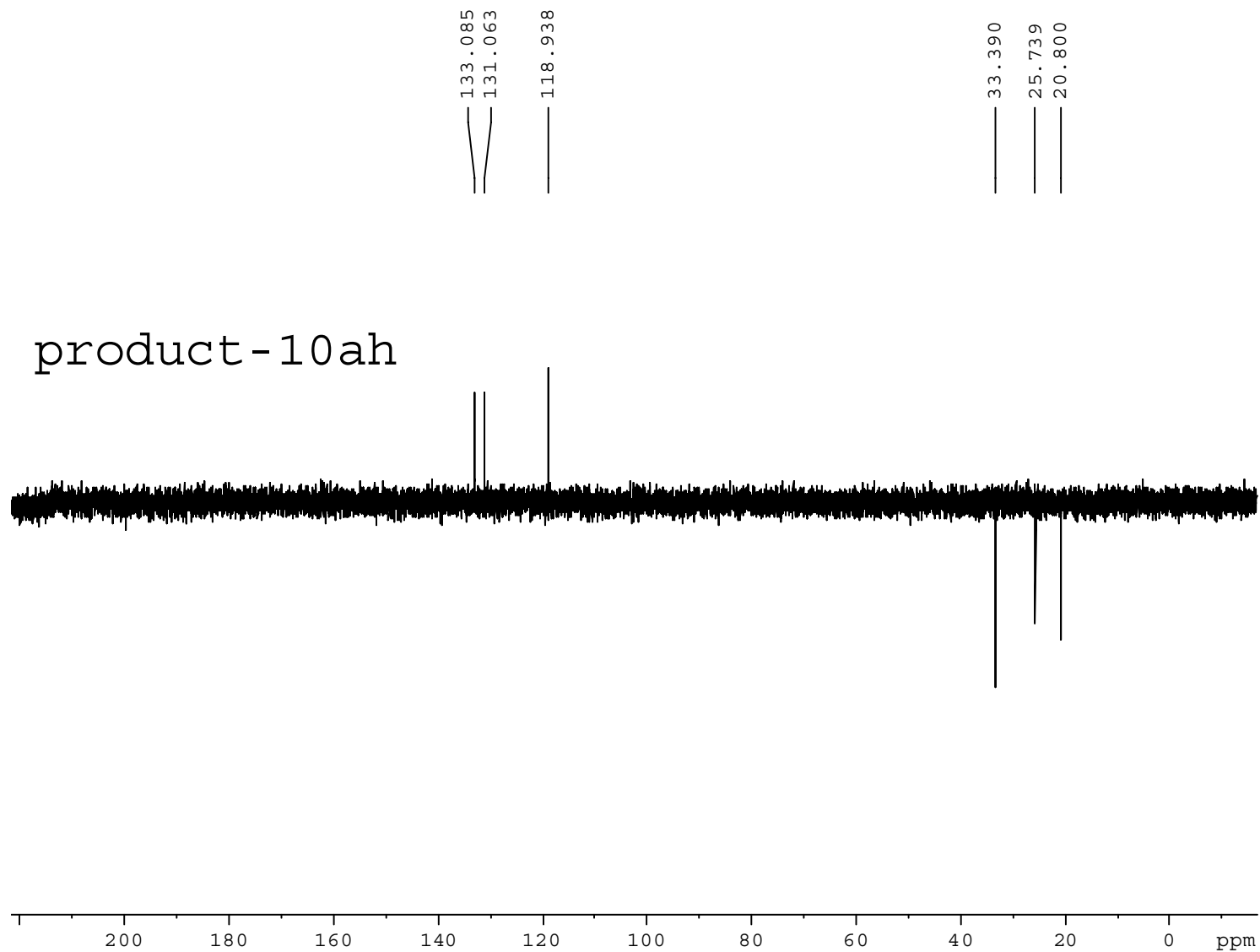
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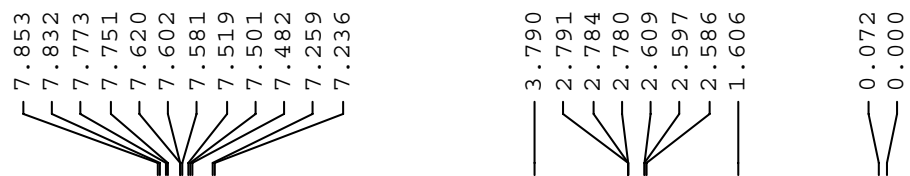












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