

Figure 18. ^1H -NMR spectra for 2-Benzoylcyclododecanone (**12**).

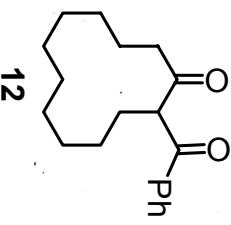
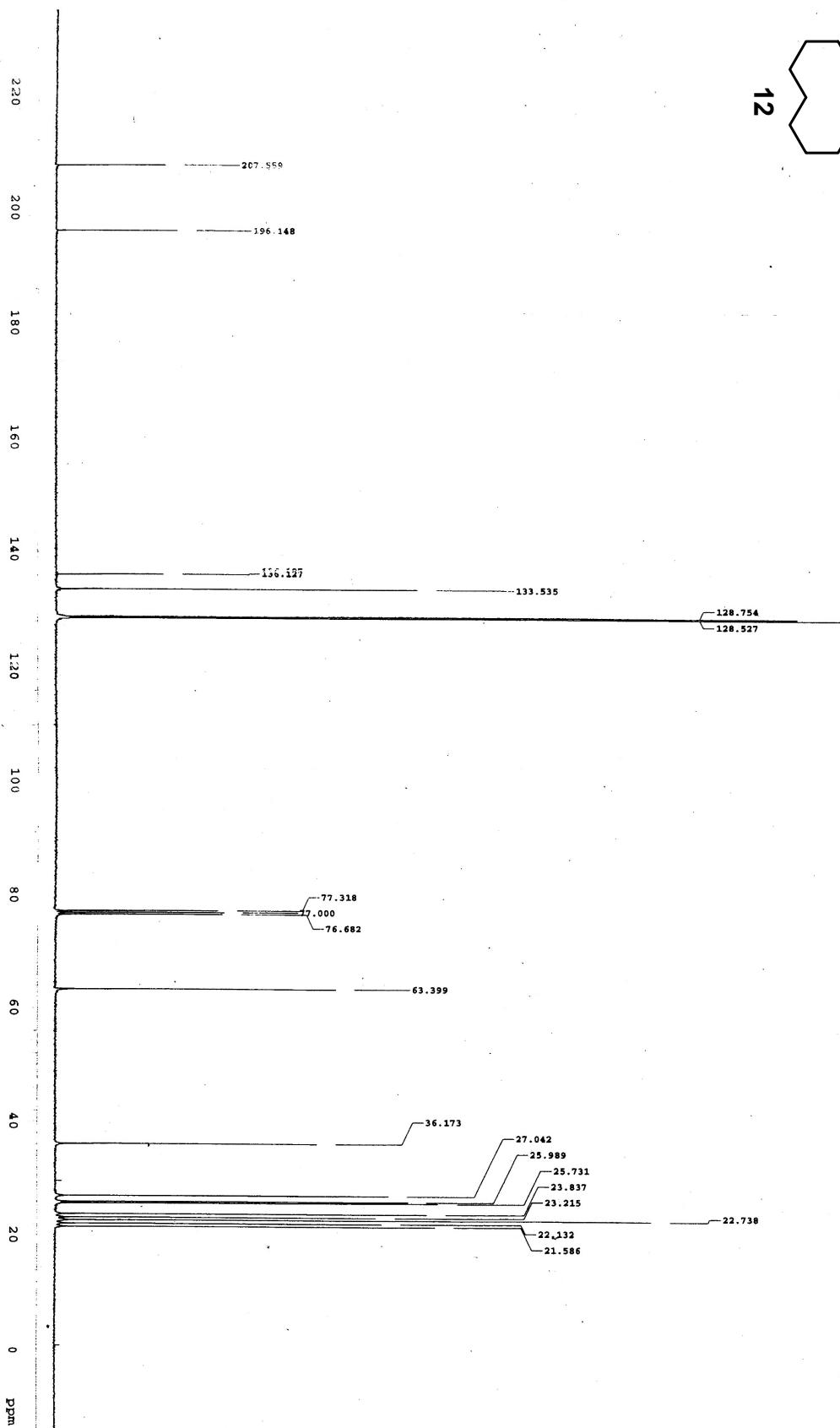


Figure 19. ¹³C-NMR spectra for 2-Benzoylcyclododecanone (**12**).

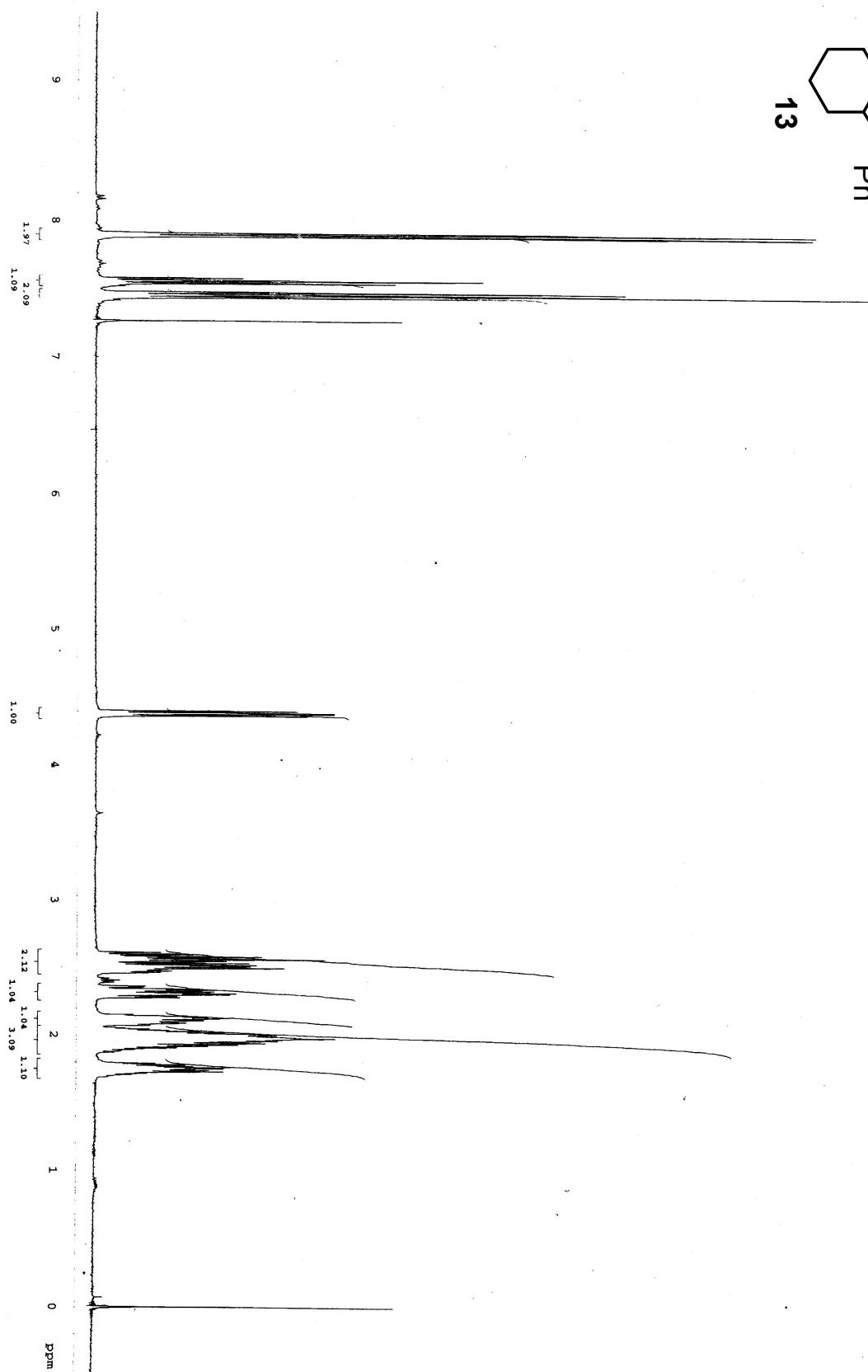
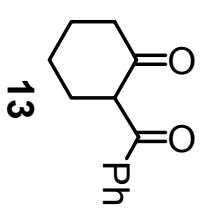


Figure 20. ^1H -NMR spectra for 2-Benzoylcyclohexanone (**13**).

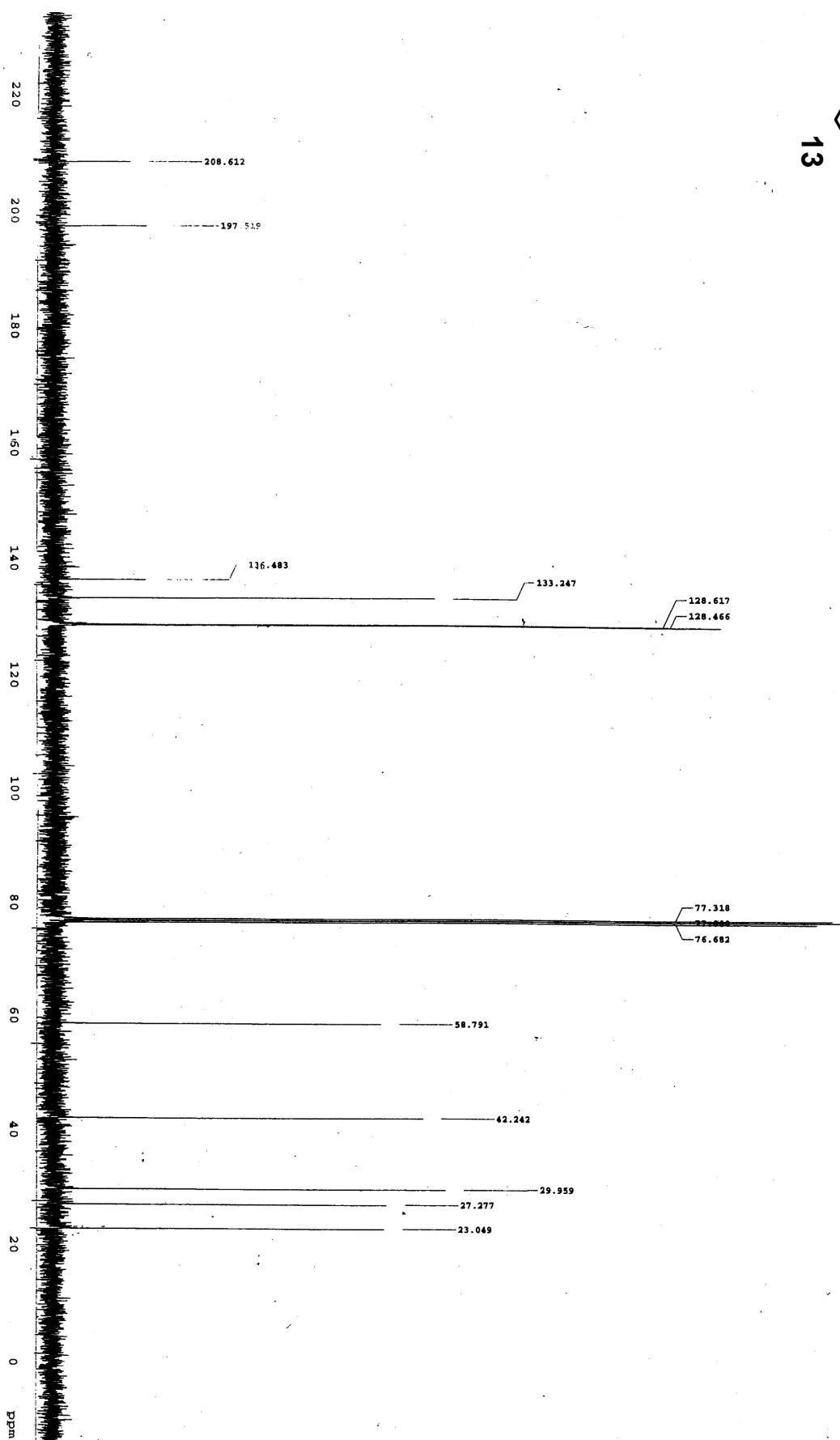
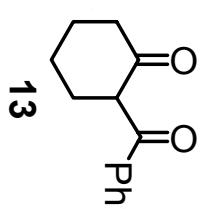


Figure 21. ^{13}C -NMR spectra for 2-Benzoylcyclohexanone (**13**).

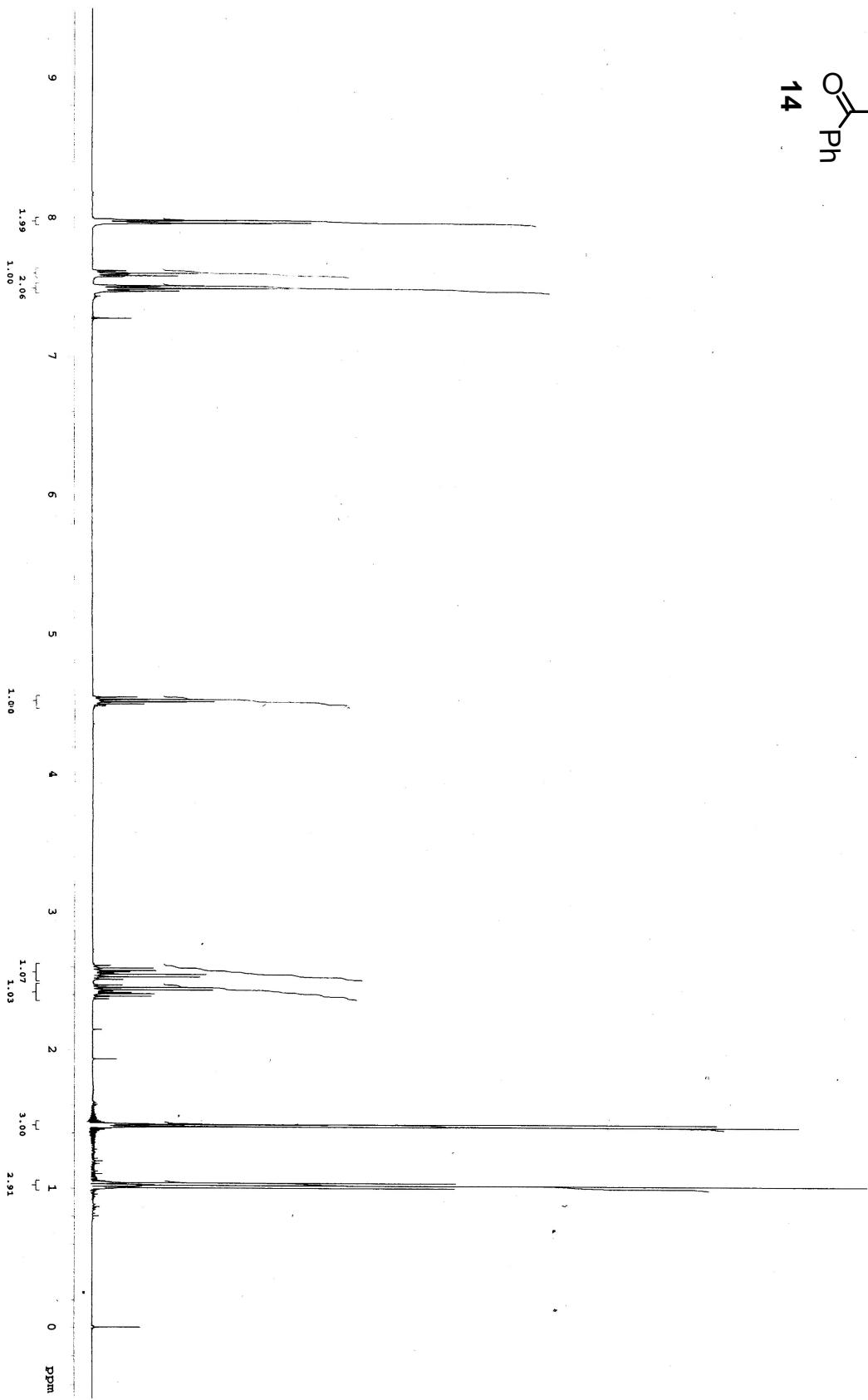
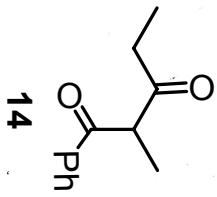


Figure 22. ¹H-NMR spectra for 2-Benzoyl-3-pentanone (**14**).

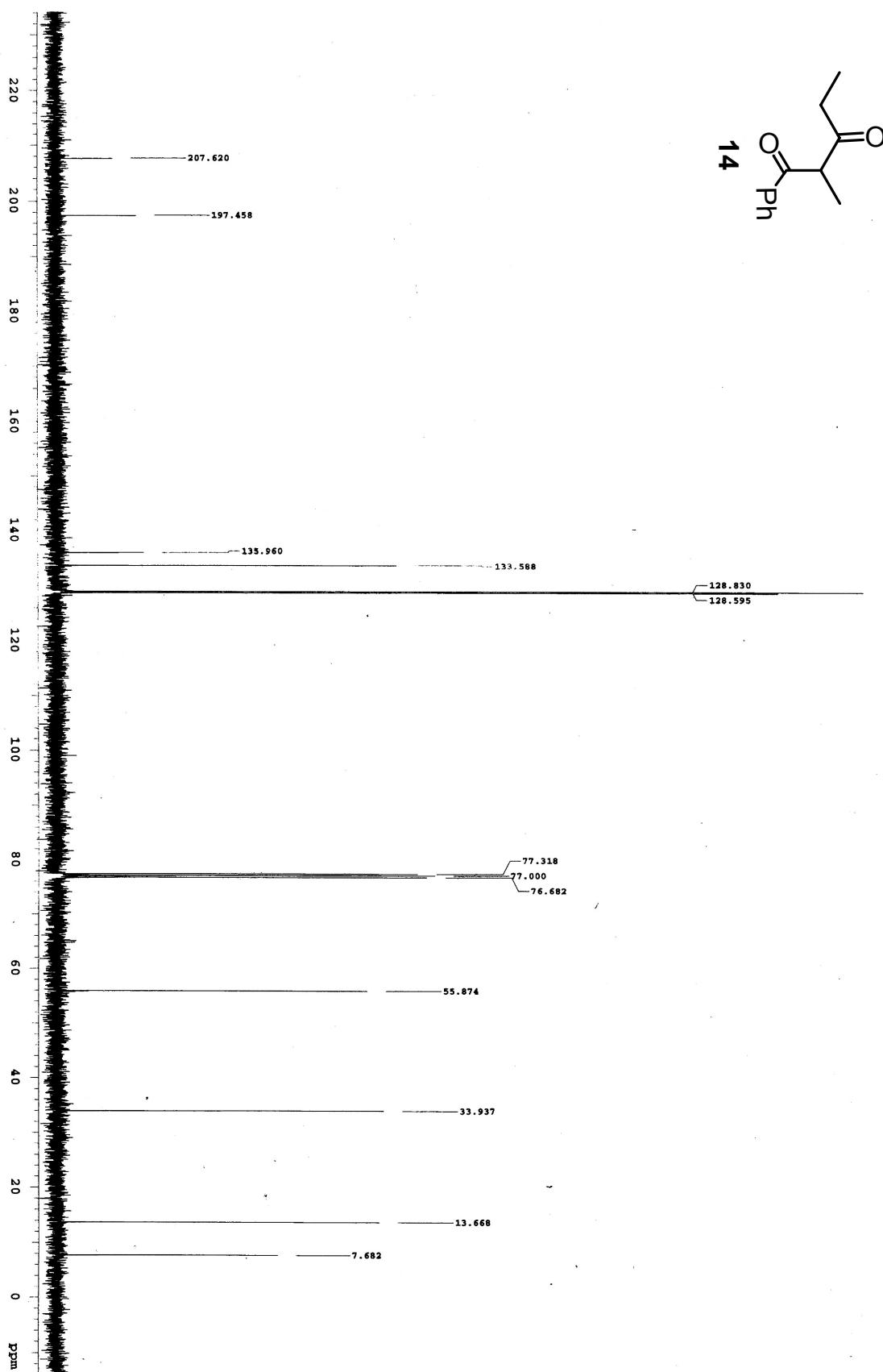


Figure 23. ^{13}C -NMR spectra for 2-Benzoyl-3-pentanone (14).

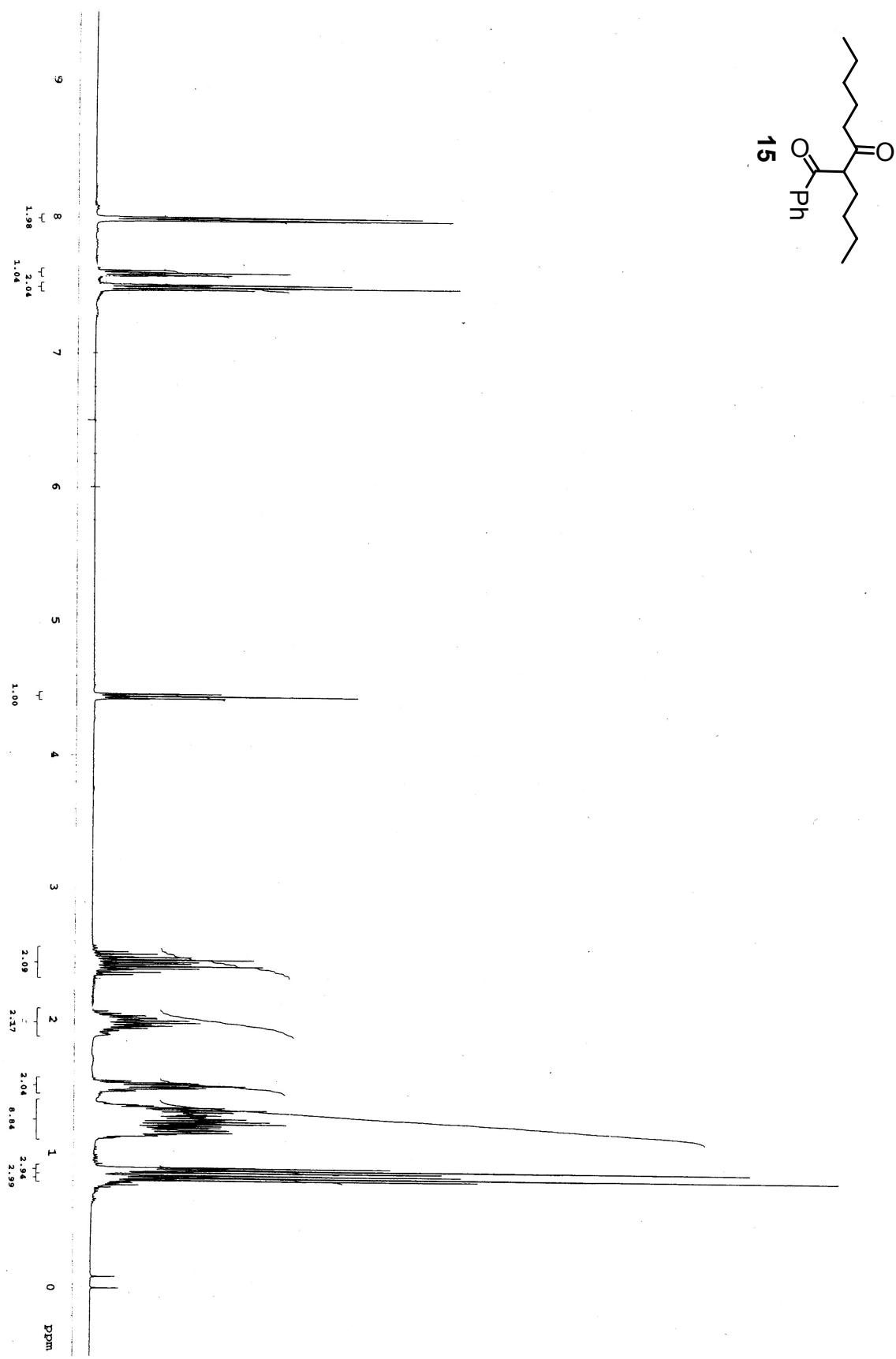


Figure 24. ¹H-NMR spectra for 5-Benzoyl-6-undecanone (15).

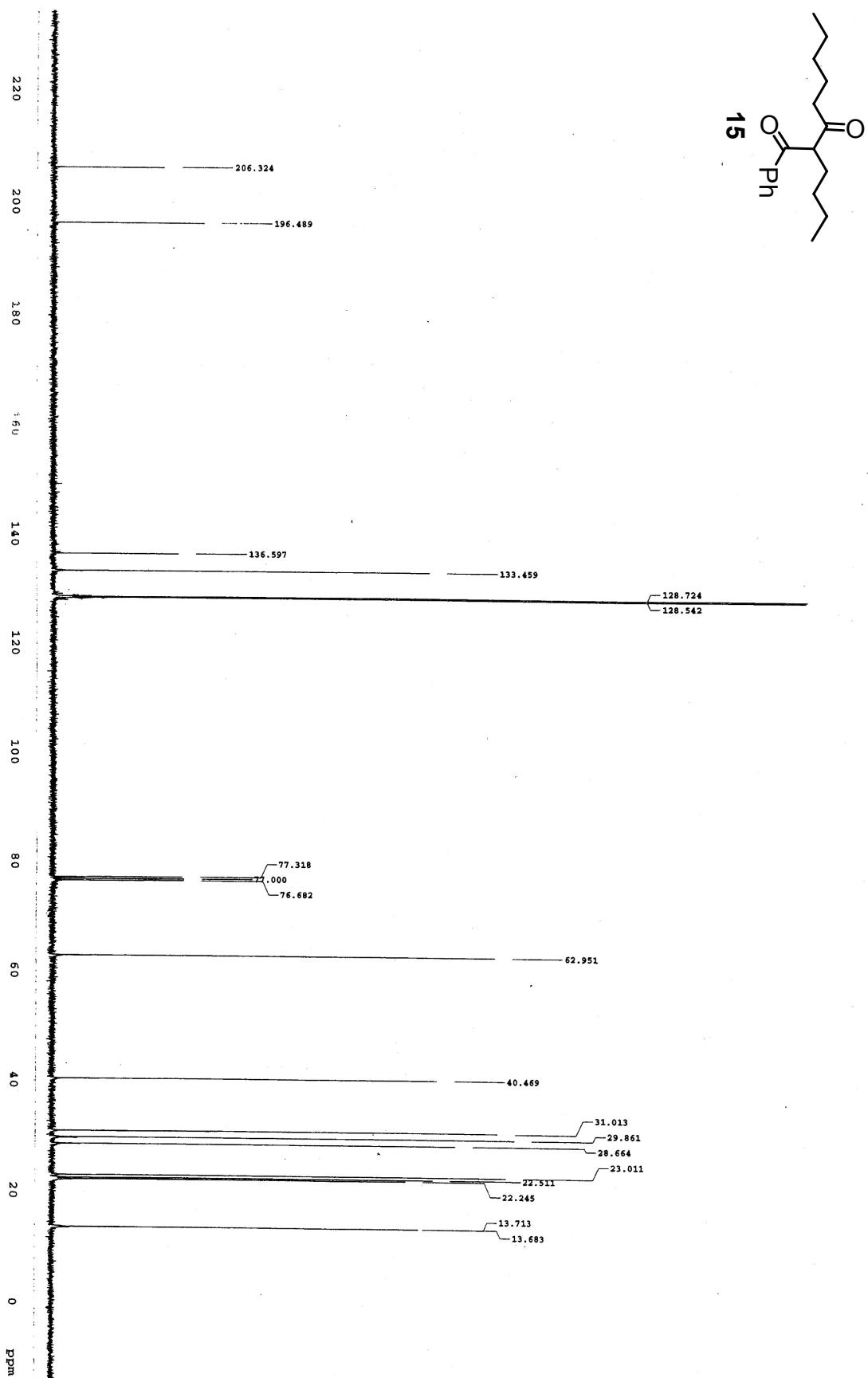


Figure 25. ^{13}C -NMR spectra for 5-Benzoyl-6-undecanone (**15**).

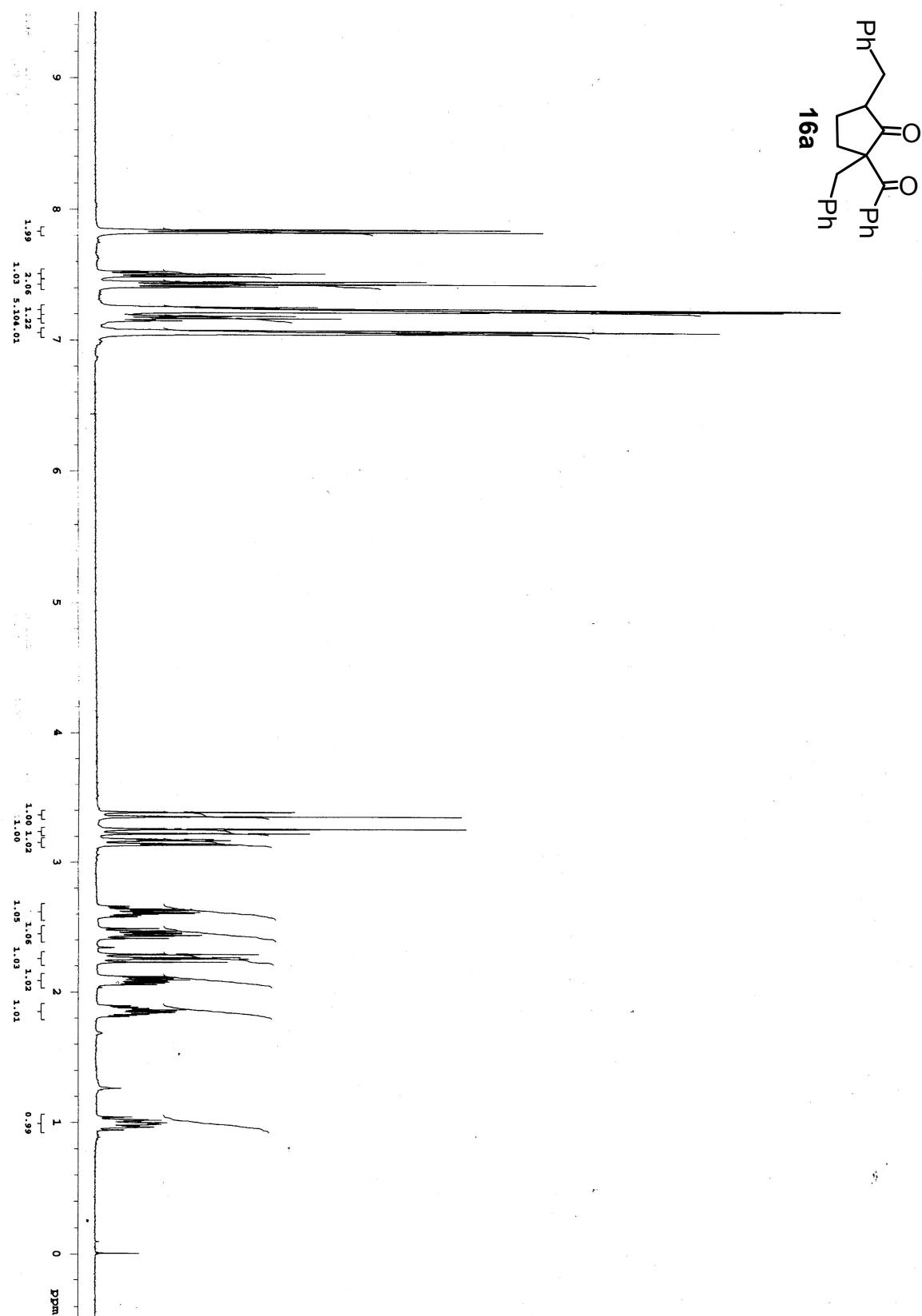


Figure 26. ¹H-NMR spectra for 2-Benzoyl-2,5-dibenzylcyclopentanone (**16a**).

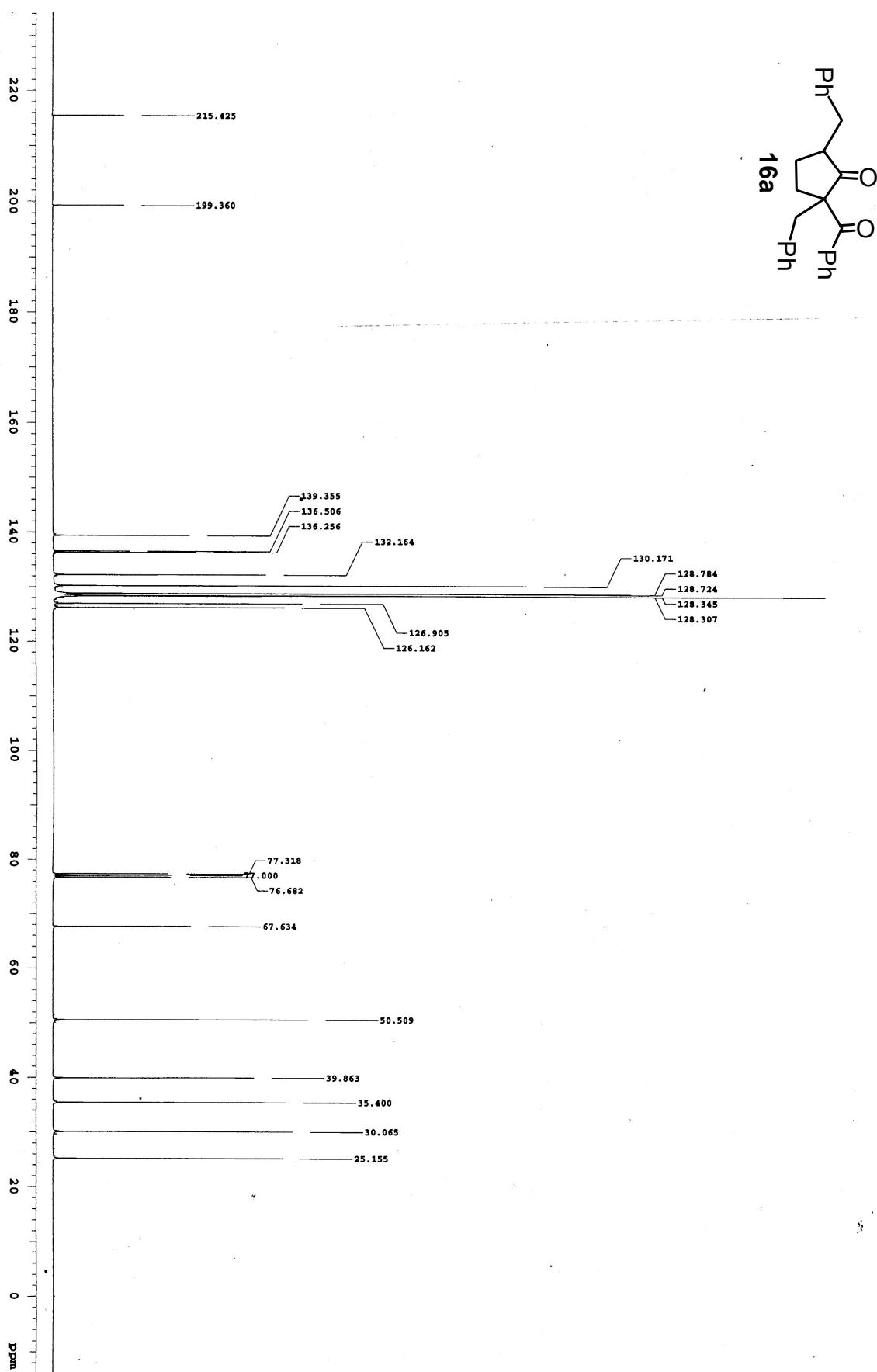


Figure 27. ^{13}C -NMR spectra for 2-Benzoyl-2,5-dibenzylcyclopentanone (**16a**).

2benzoyldibenzylcyclopentanoneH

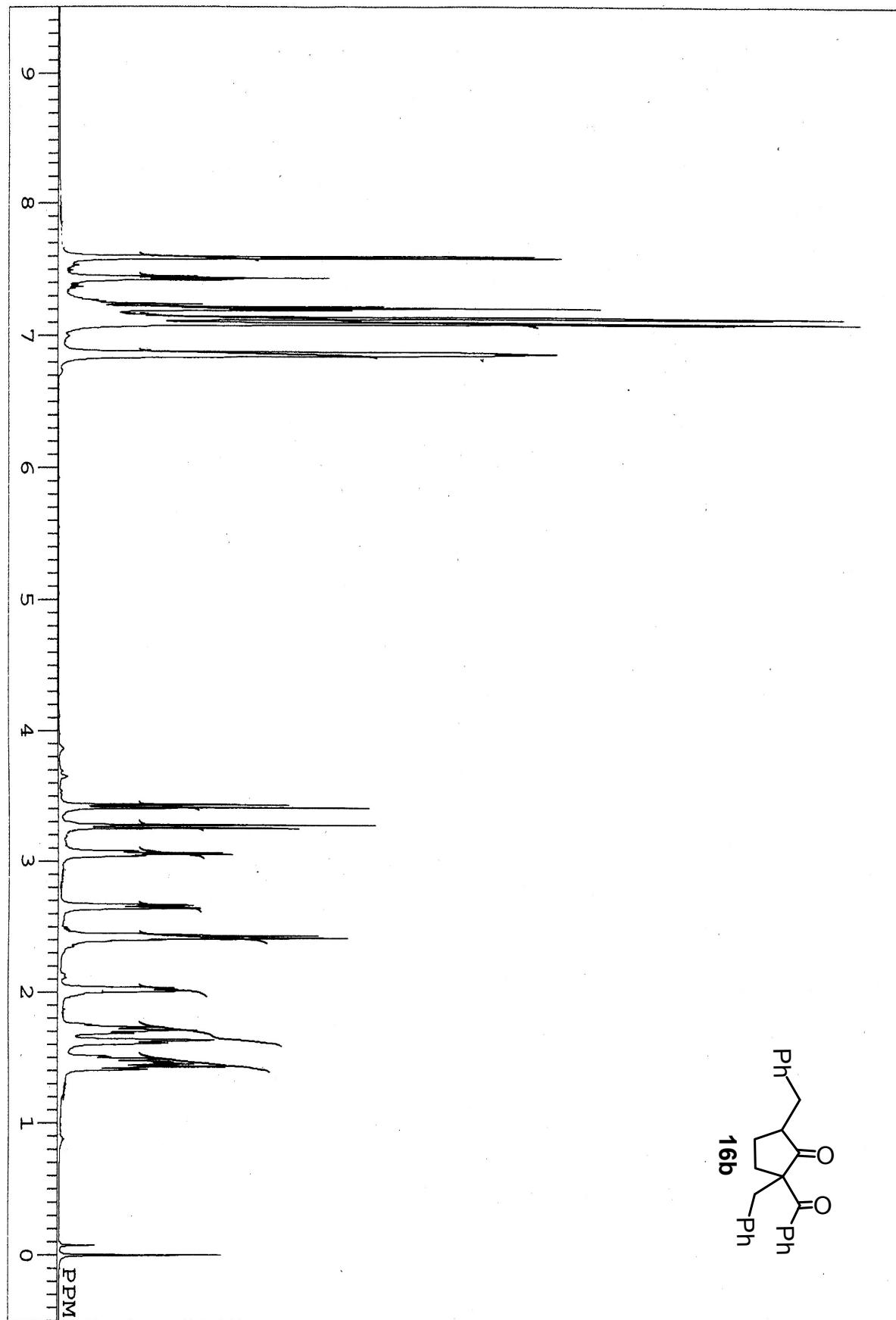


Figure 28. ^1H -NMR spectra for 2-Benzoyl-2,5-dibenzylcyclopentanone (**16b**).

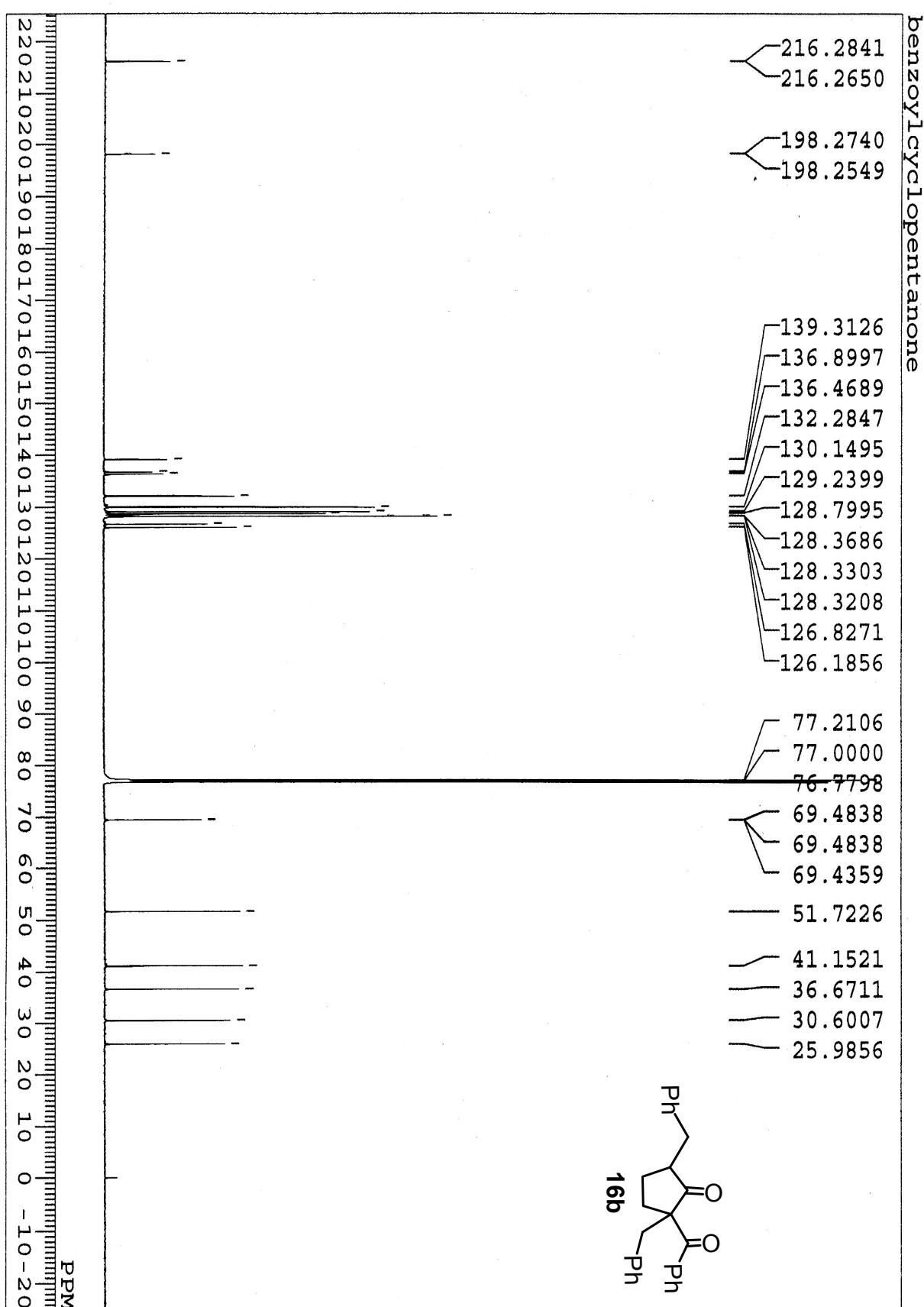


Figure 29. ¹³C-NMR spectra for 2-Benzoyl-2,5-dibenzylcyclopentanone (**16b**).

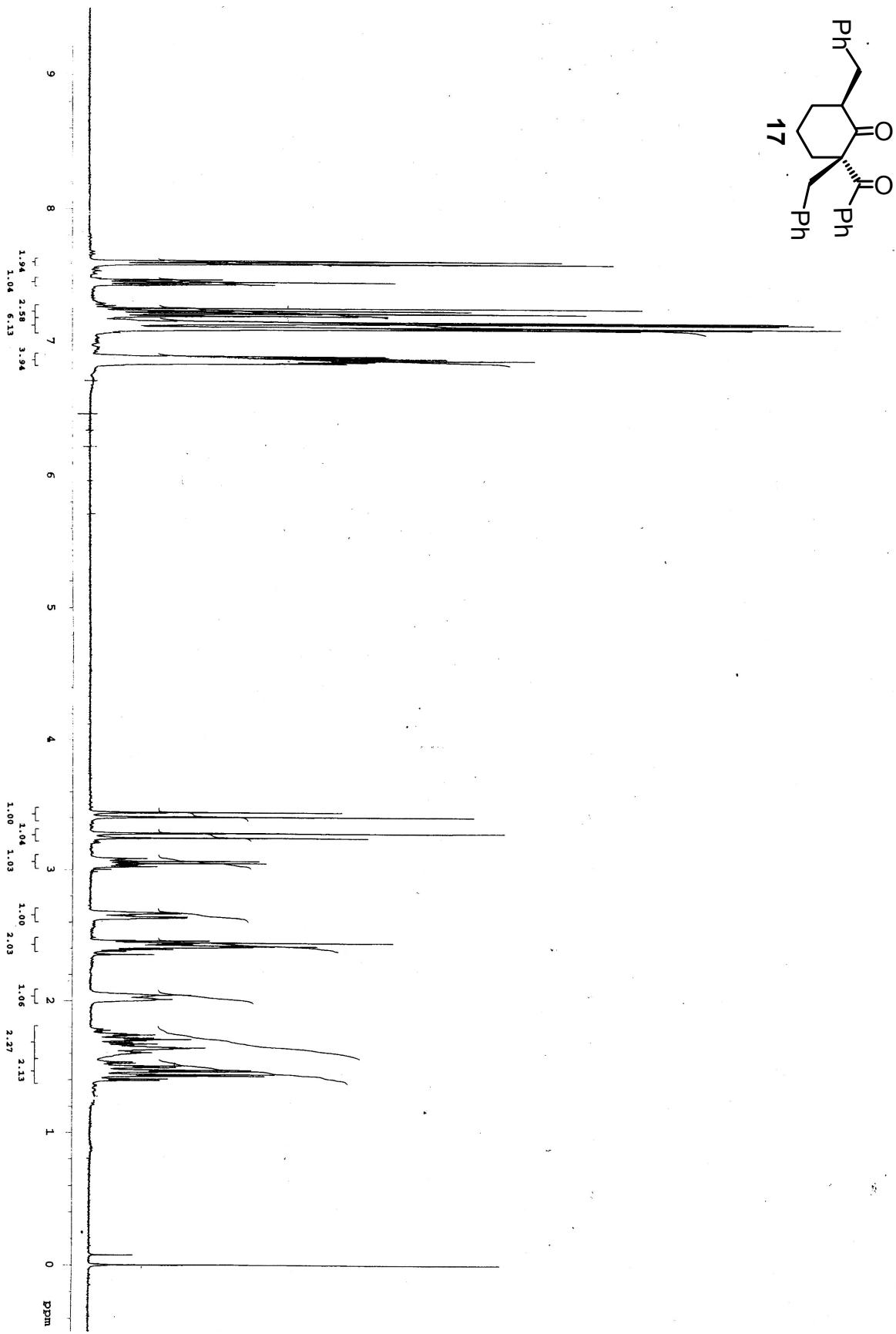


Figure 30. $^1\text{H-NMR}$ spectra for ($2R^*, 6S^*$)-2-Benzoyl-2,6-dibenzylcyclohexanone (**17**).

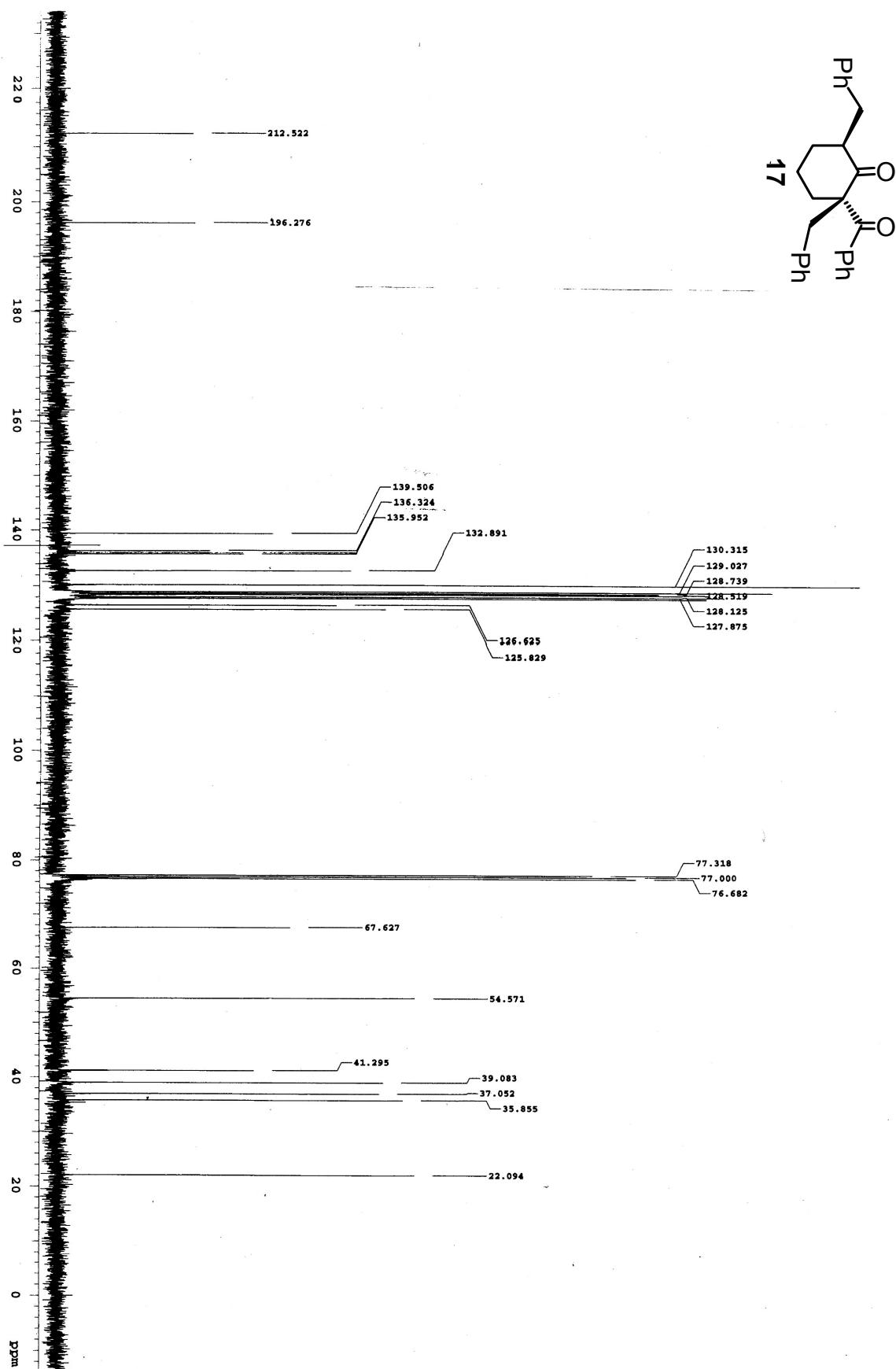


Figure 31. ^{13}C -NMR spectra for ($2R^*, 6S^*$)-2-Benzoyl-2,6-dibenzylcyclohexanone (**17**).

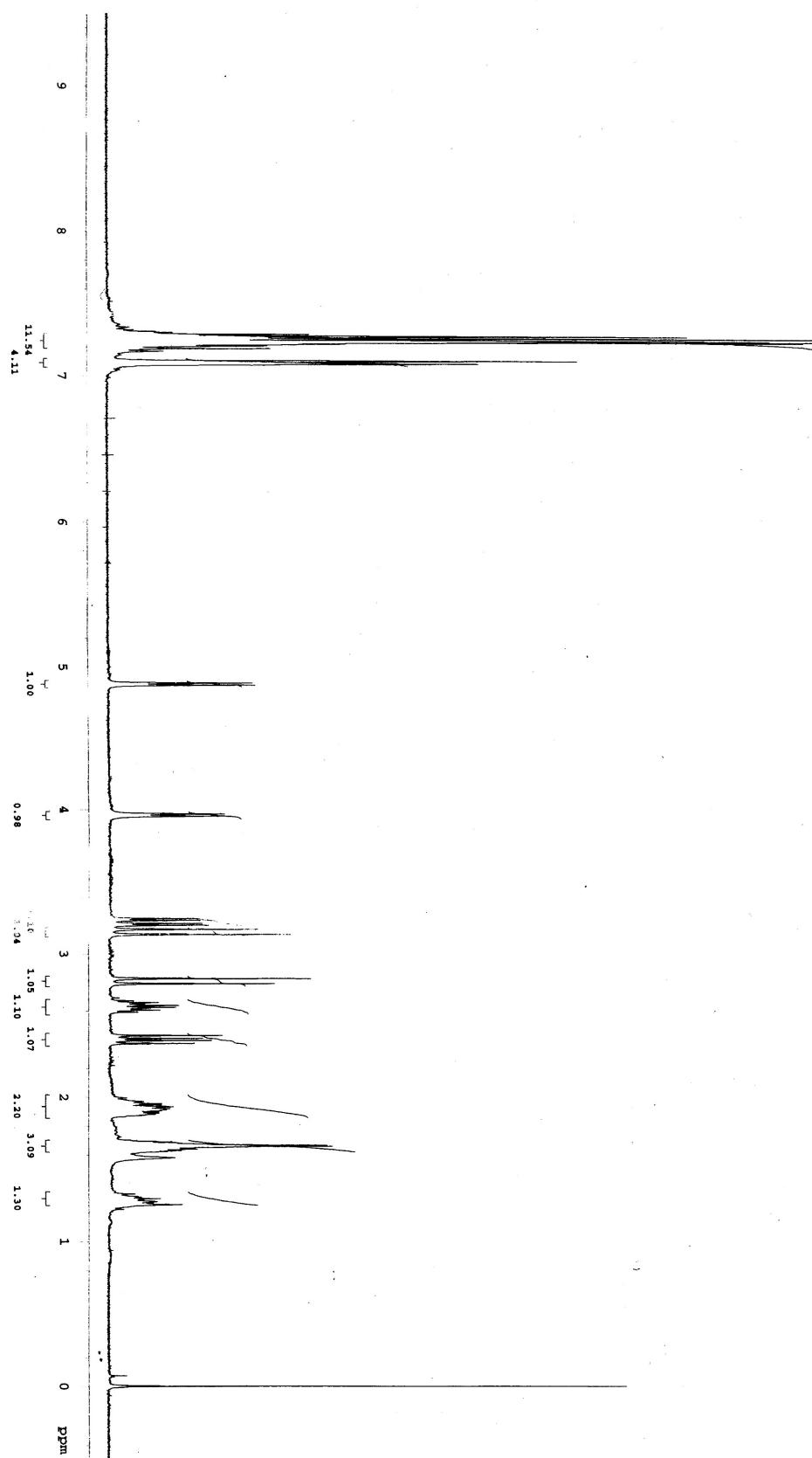
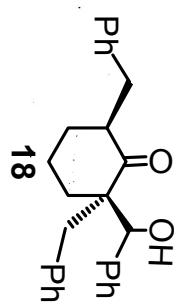


Figure 32. ^1H -NMR spectra for ($2R^*,6S^*$)-2-Hydroxyphenylmethyl-2,6-dibenzylcyclohexanone (18).

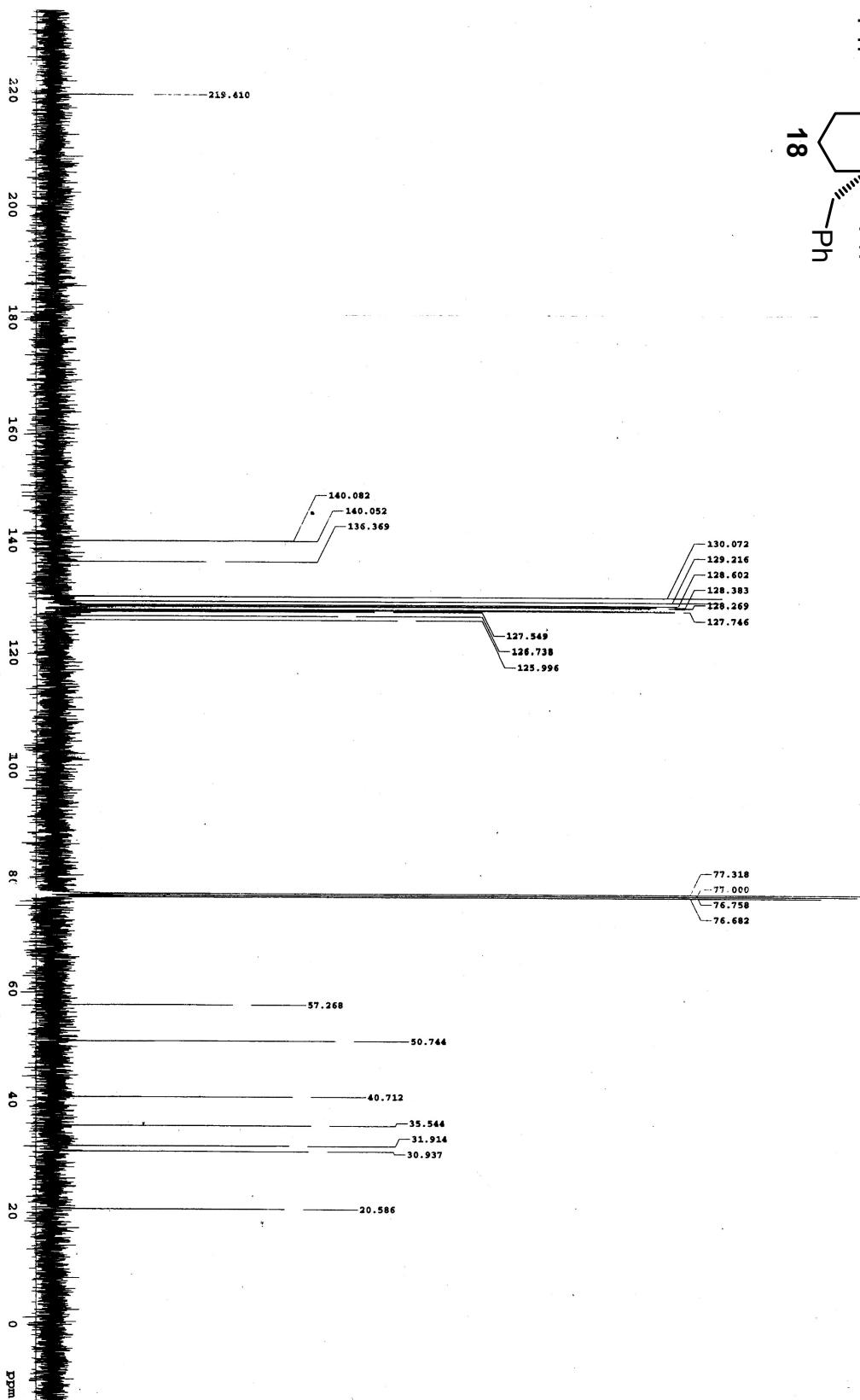
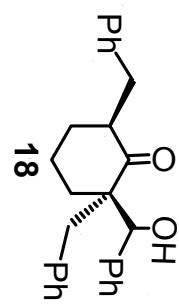


Figure 33. ^{13}C -NMR spectra for ($2\text{R}^*, 6\text{S}^*$)-2-Hydroxyphenylmethyl-2,6-dibenzylcyclohexanone (18).