

圖 10 : IR spectrum of compound IV

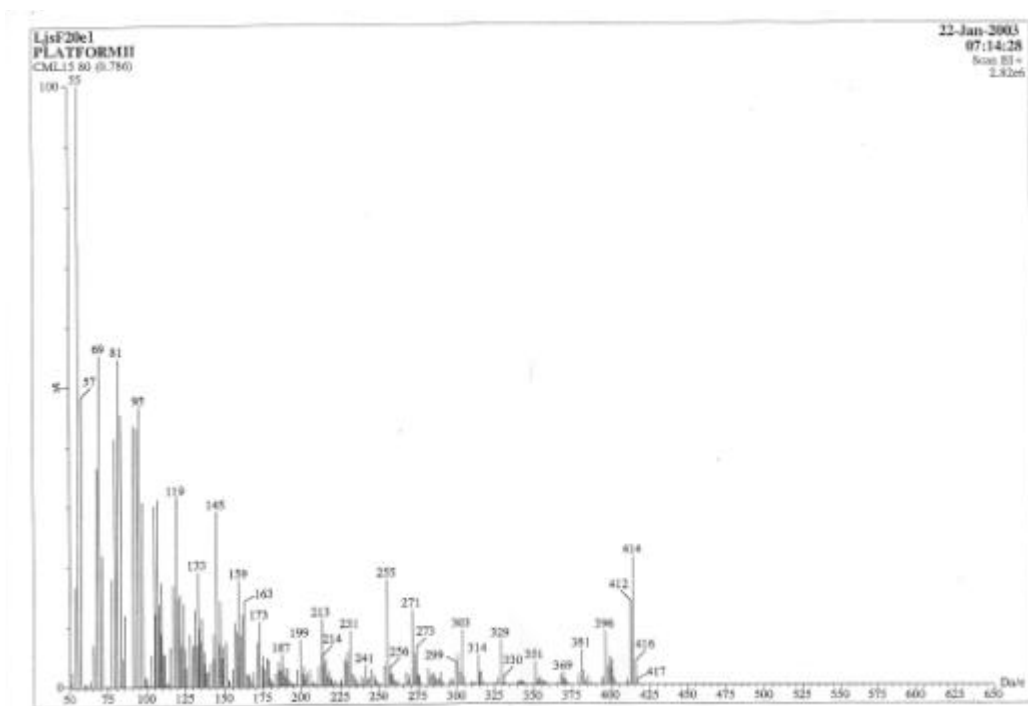


圖 11 Mass spectrum of compound IV

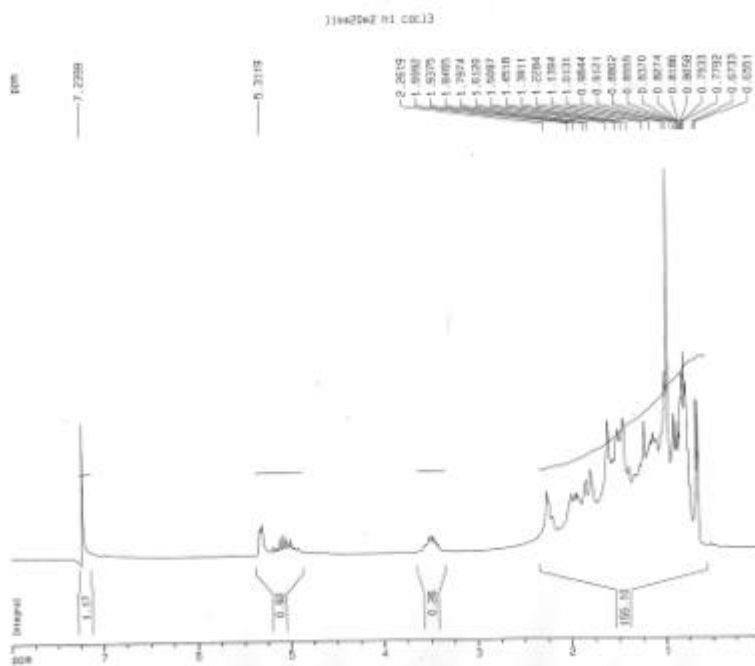


圖 12 :  $^1\text{H}$ -NMR spectrum of compound IV

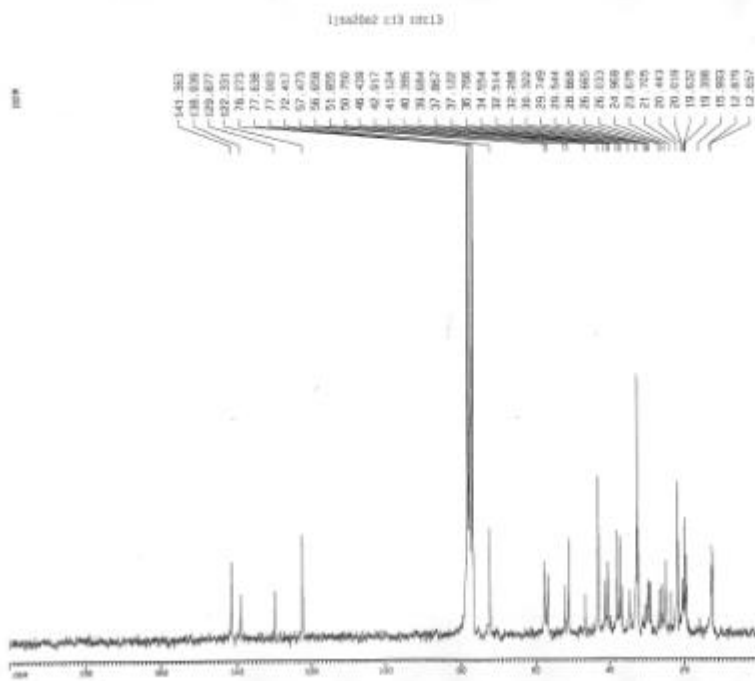


圖 13 :  $^{13}\text{C}$ -NMR spectrum of compound IV

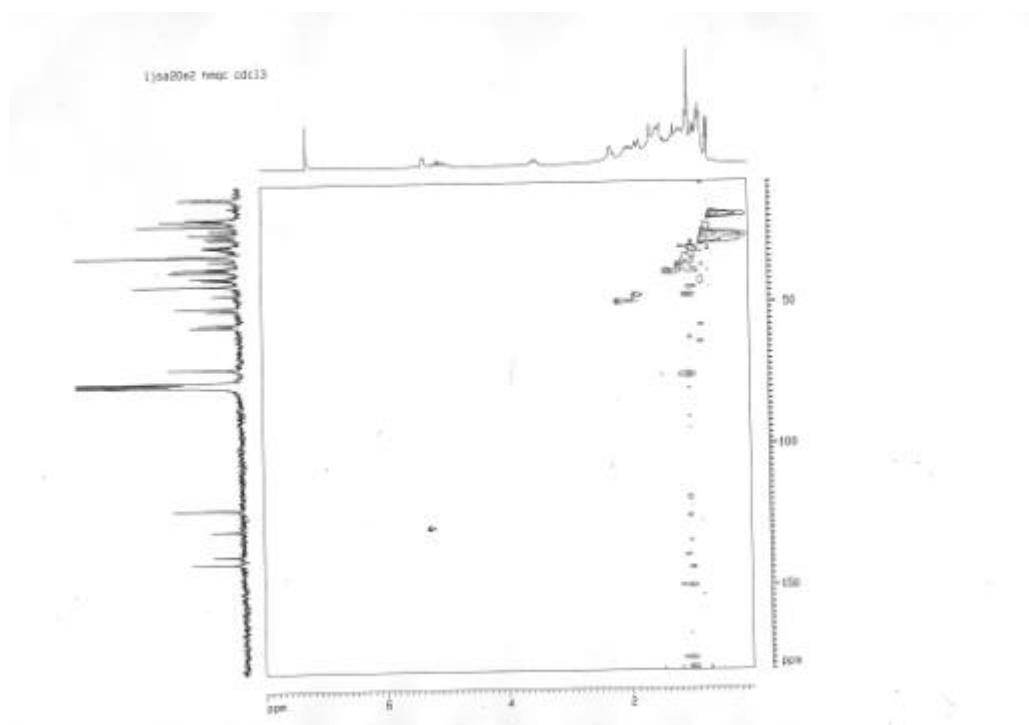


圖 14 : HMQC spectrum of compound IV