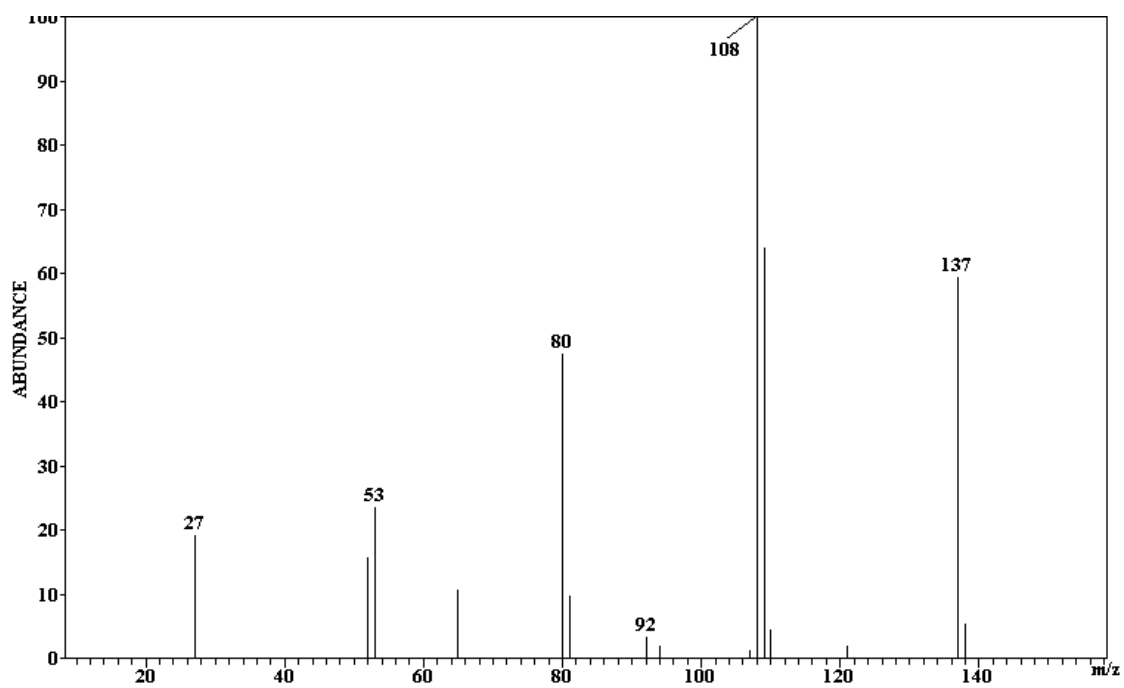
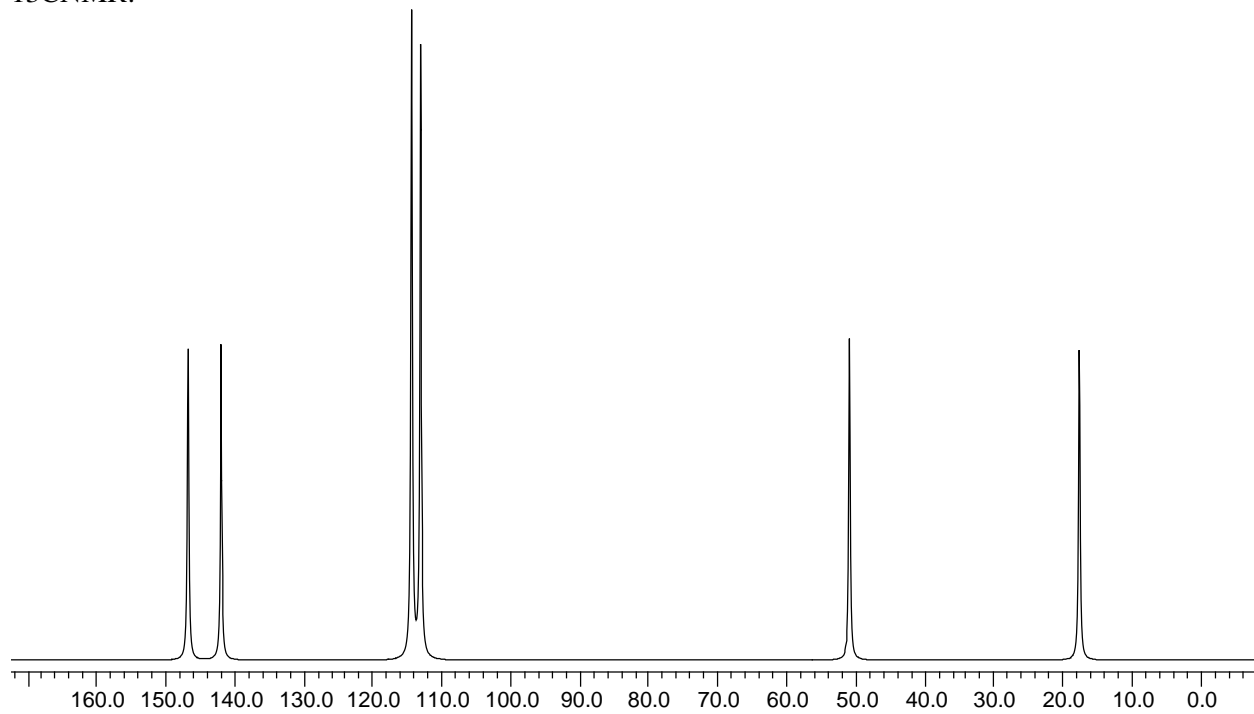


Unknown GGG: b.p. 251-254 °C

MS

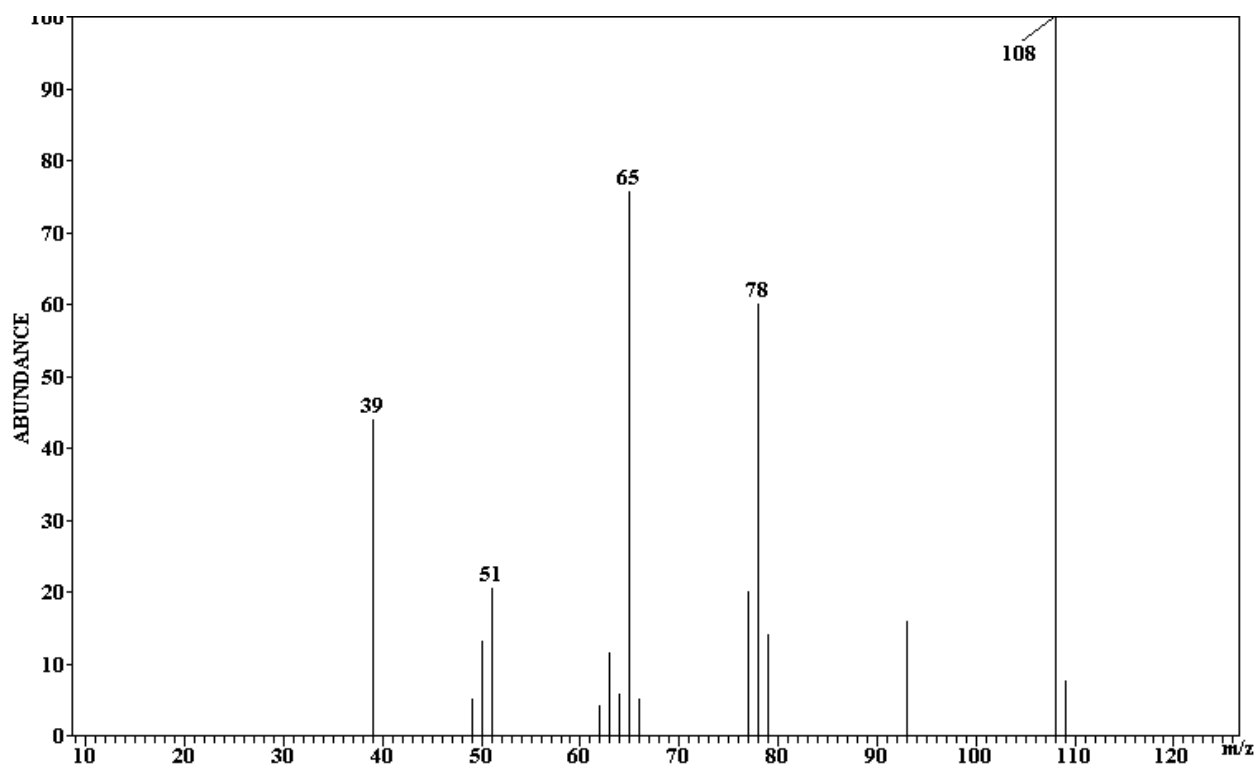


¹³CNMR:

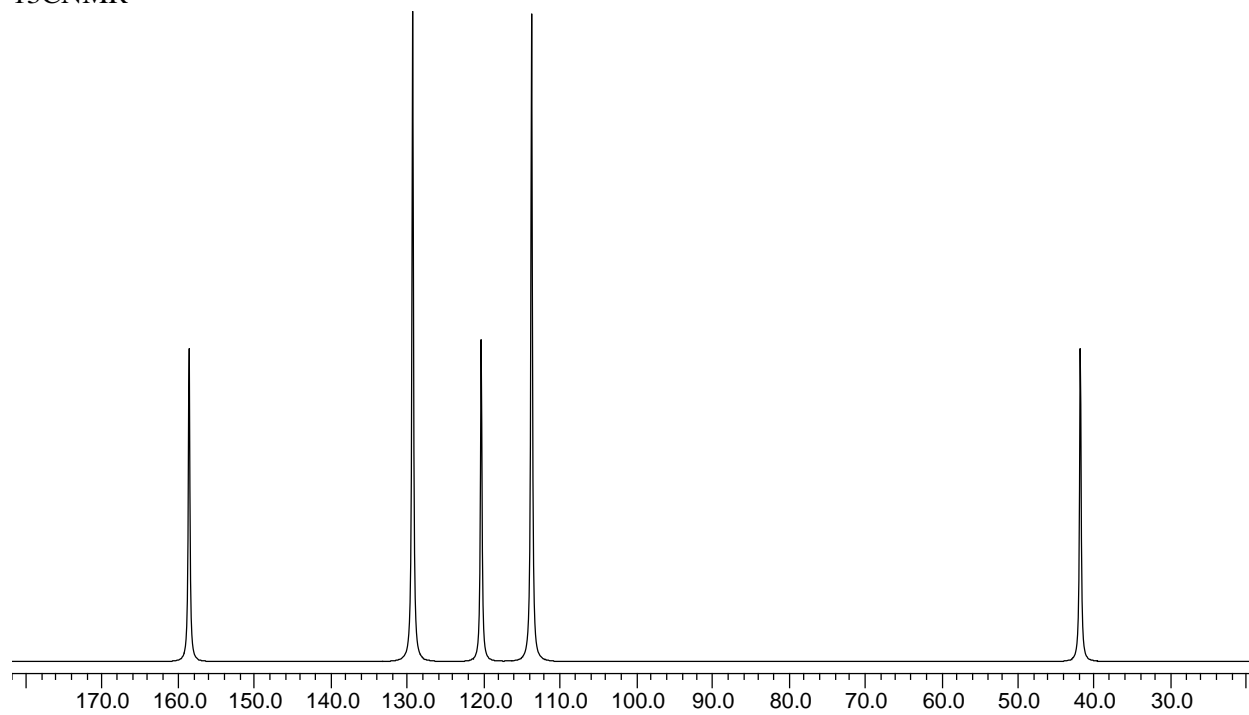


Unknown N: b.p.=151-154 °C

MS

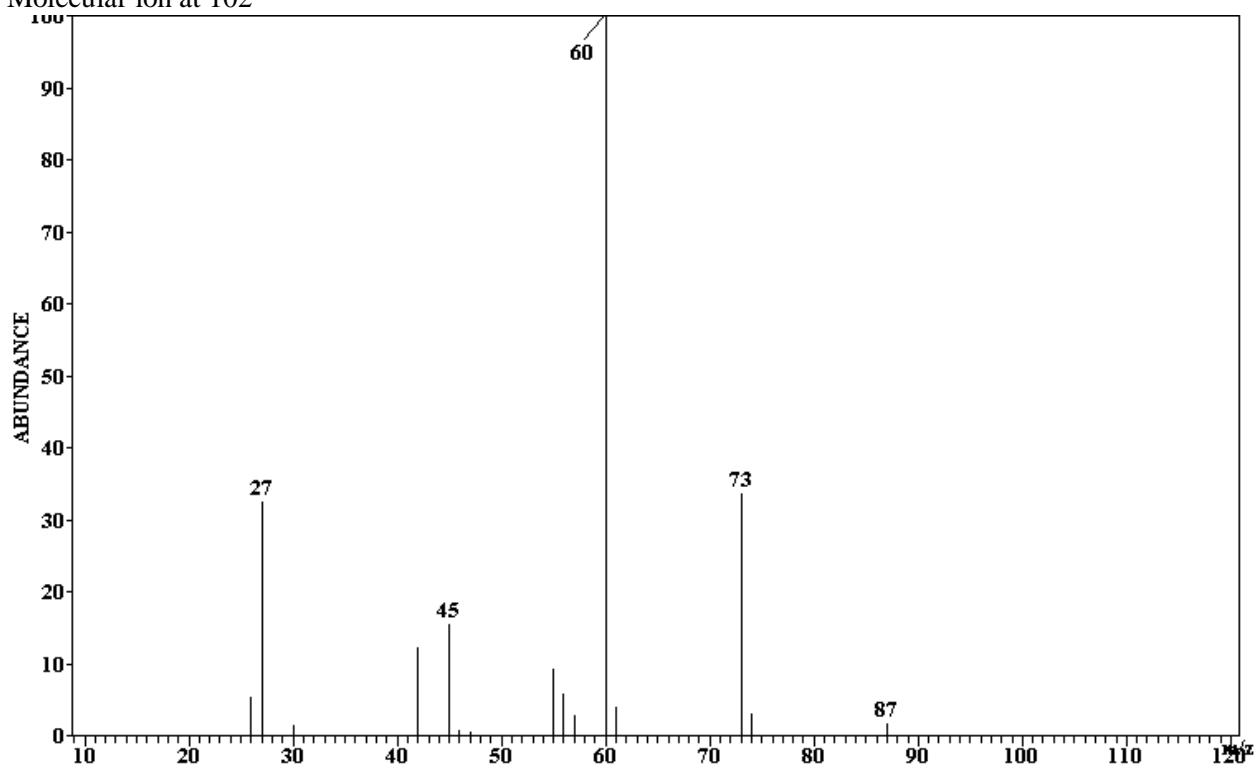


¹³CNMR

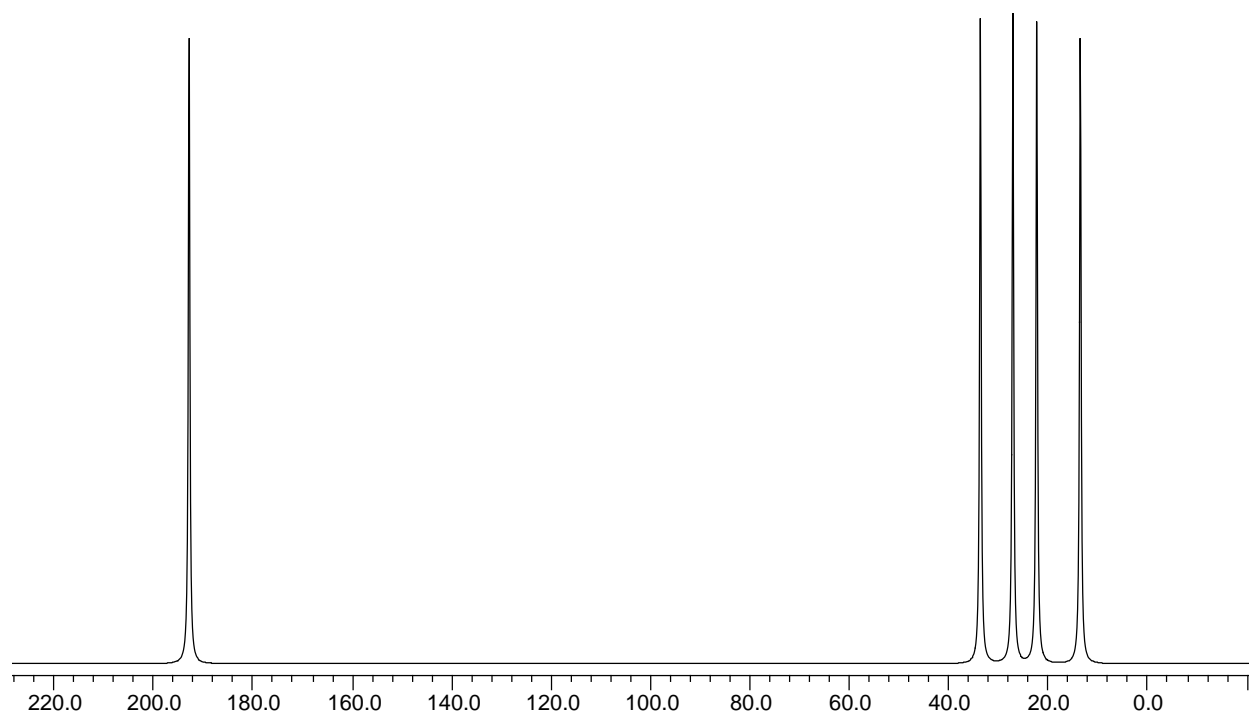


Unknown C-5: b.p. 184-186 °C

Molecular ion at 102

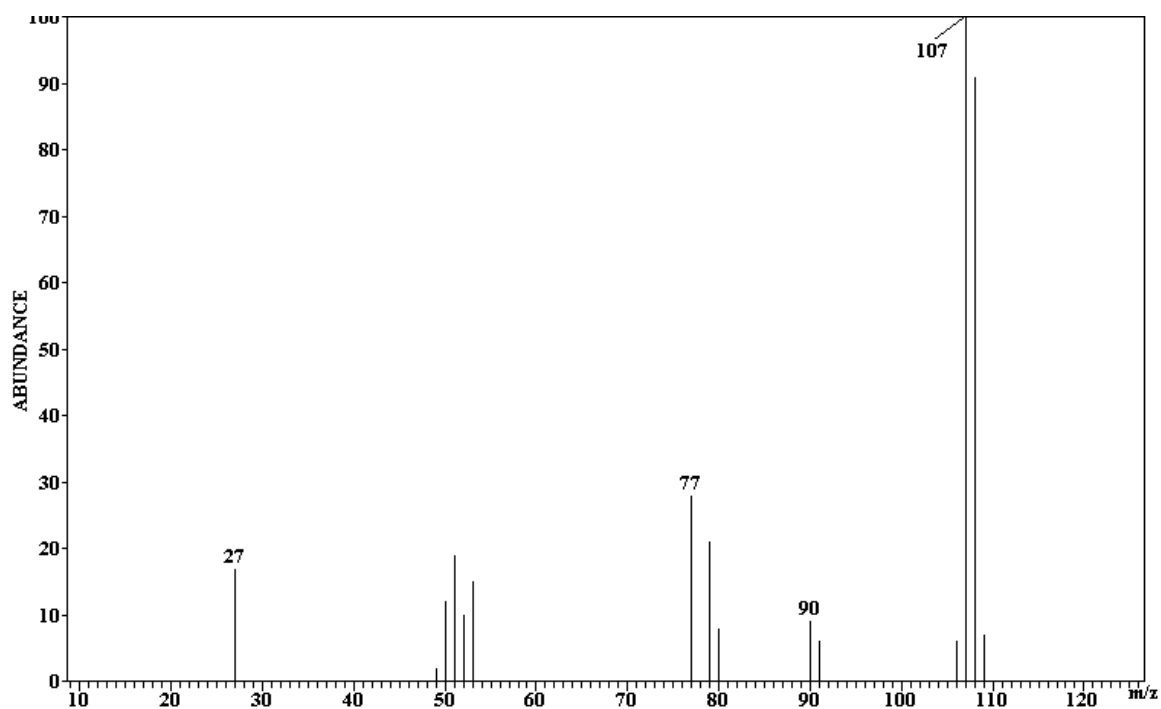


¹³CNMR:

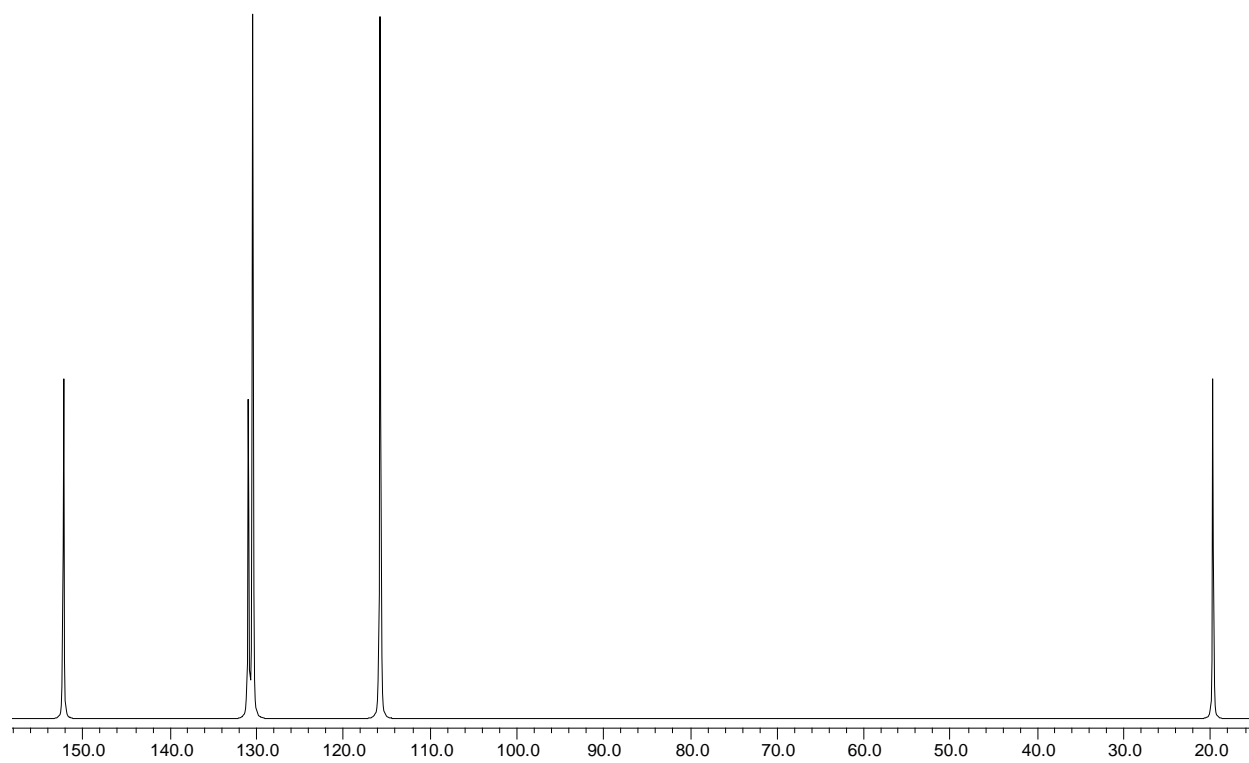


Unknown OO-1: m.p. 32-34 °C

MS: Molecular ion at 98

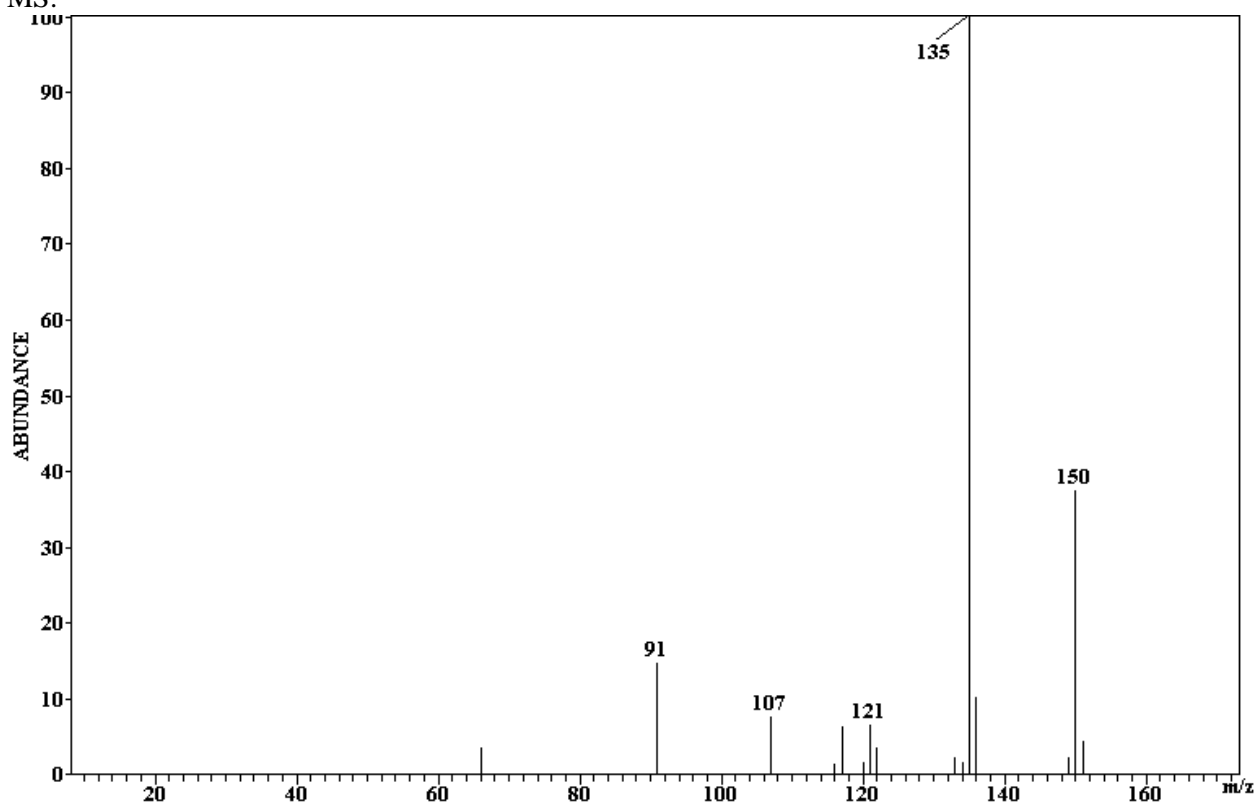


¹³CNMR:

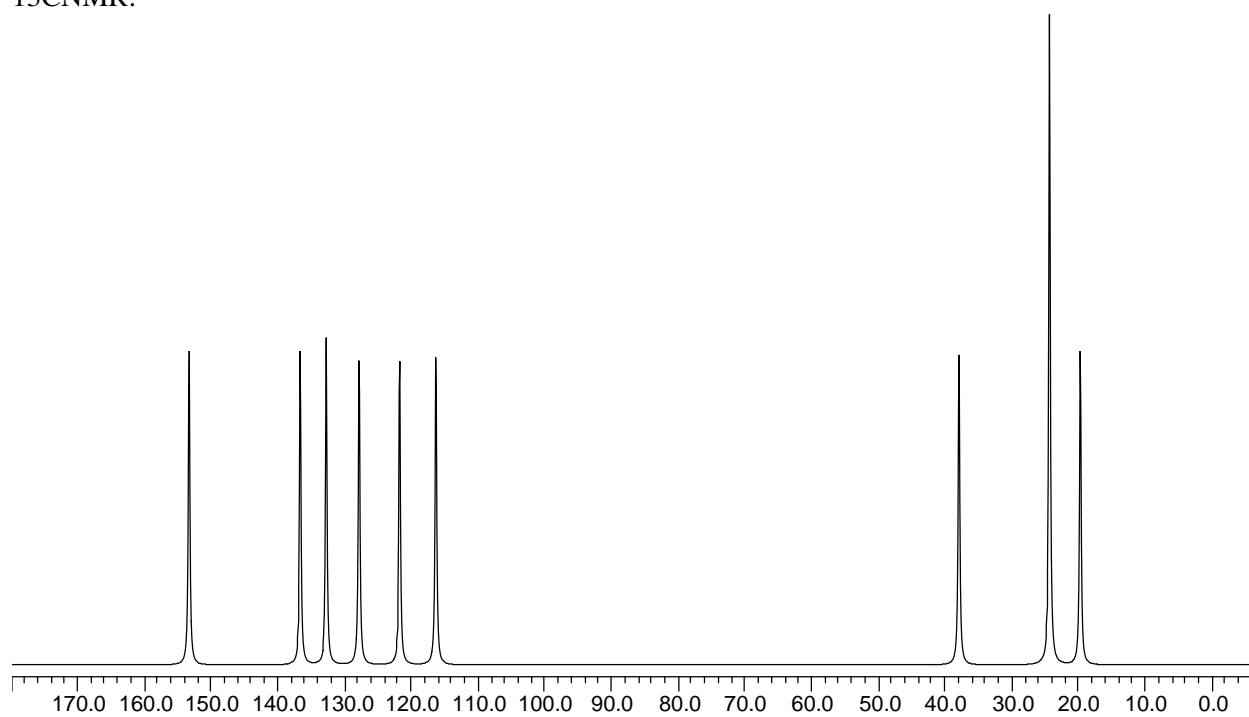


Unknown GG: m.p. 48-51 °C

MS:

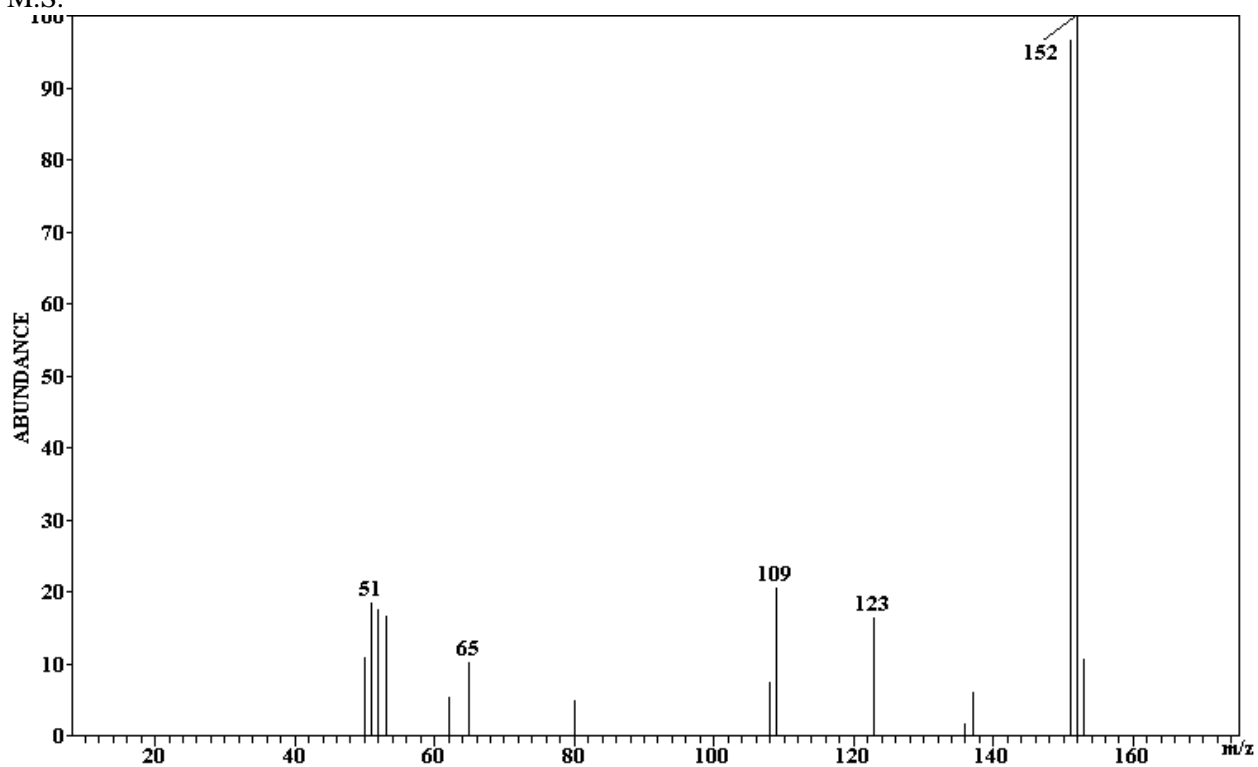


¹³CNMR:

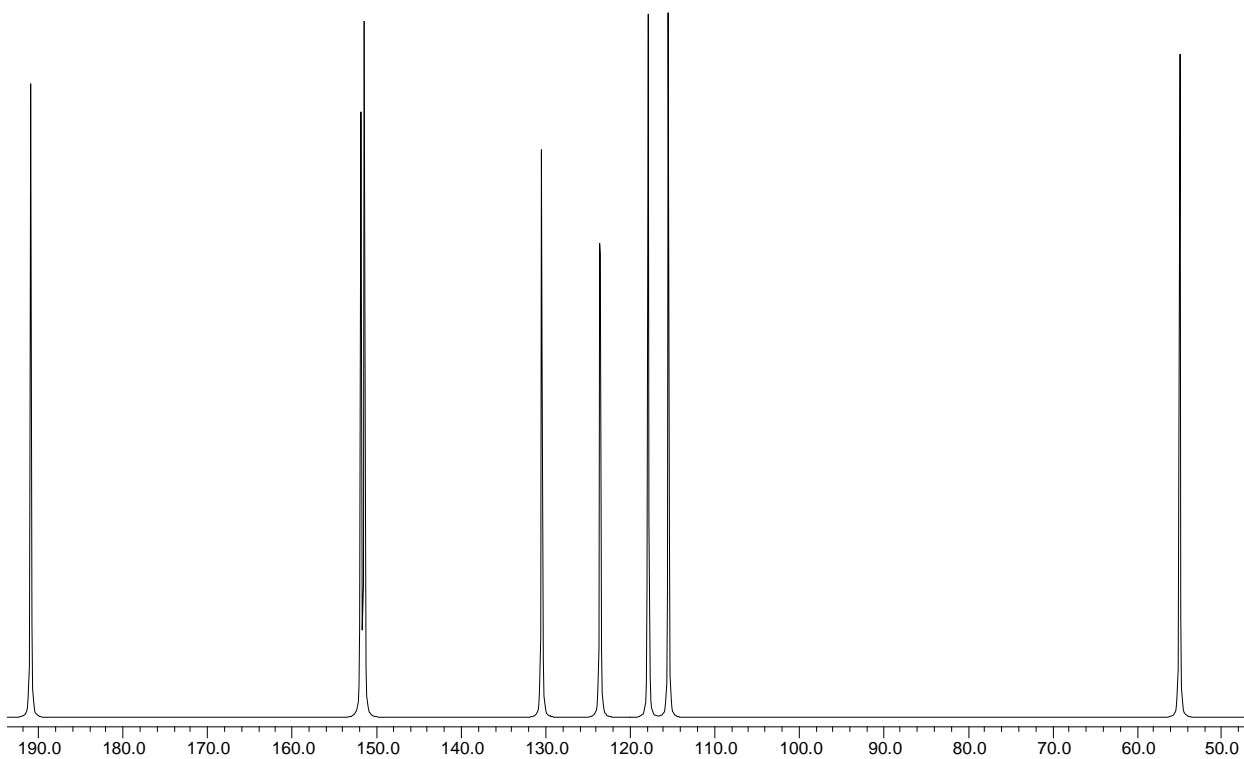


Unknown BB: m.p.=81-83 °C

M.S.

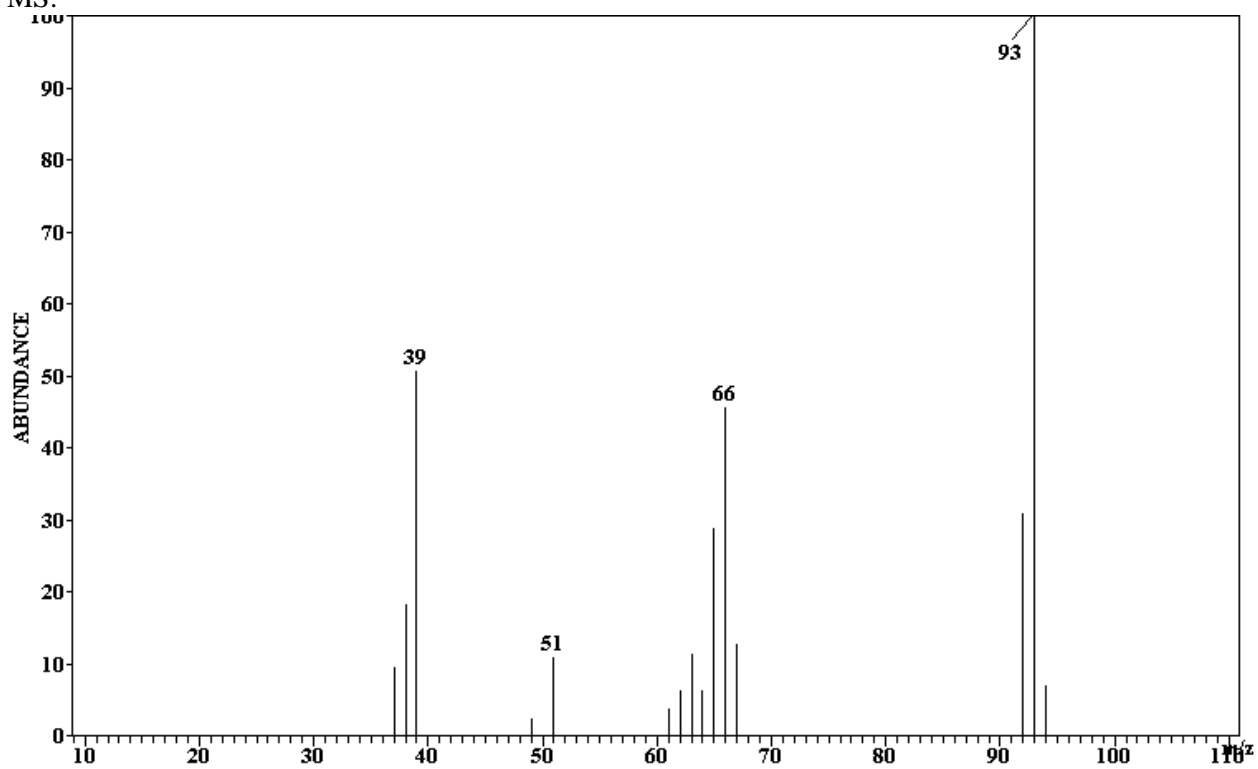


¹³CNMR:

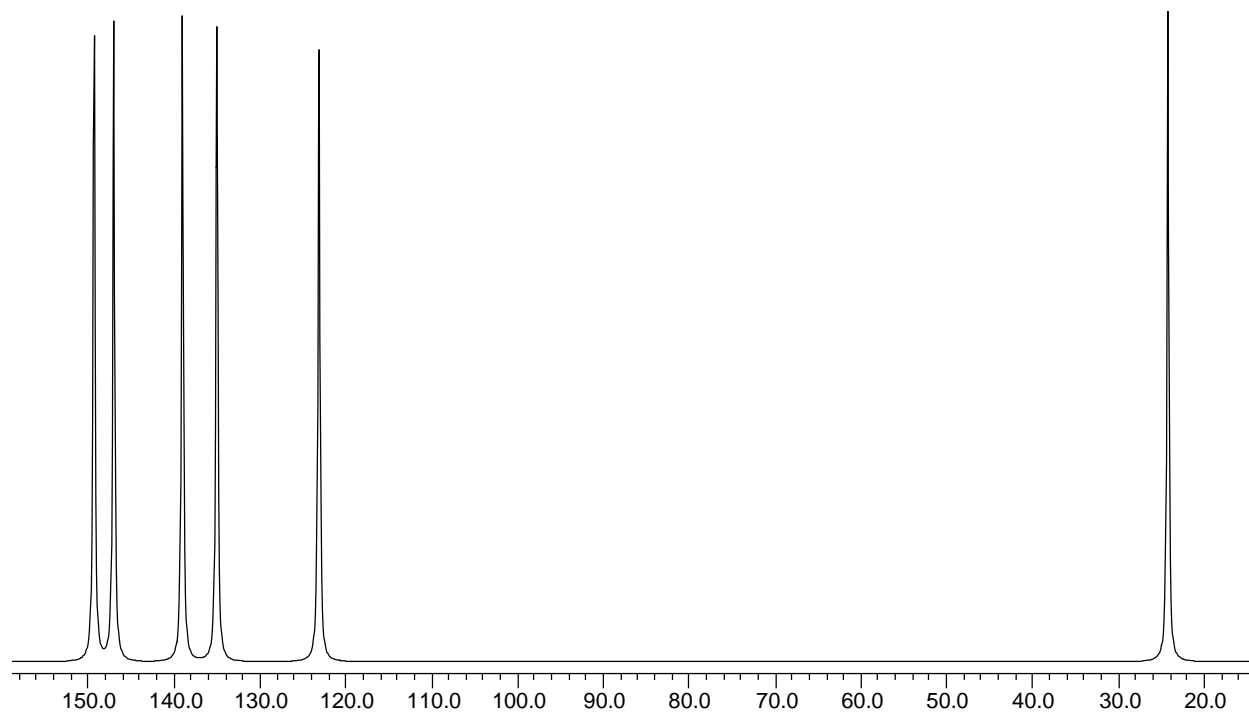


Unknown ZZ: b.p. 141-144 °C

MS:

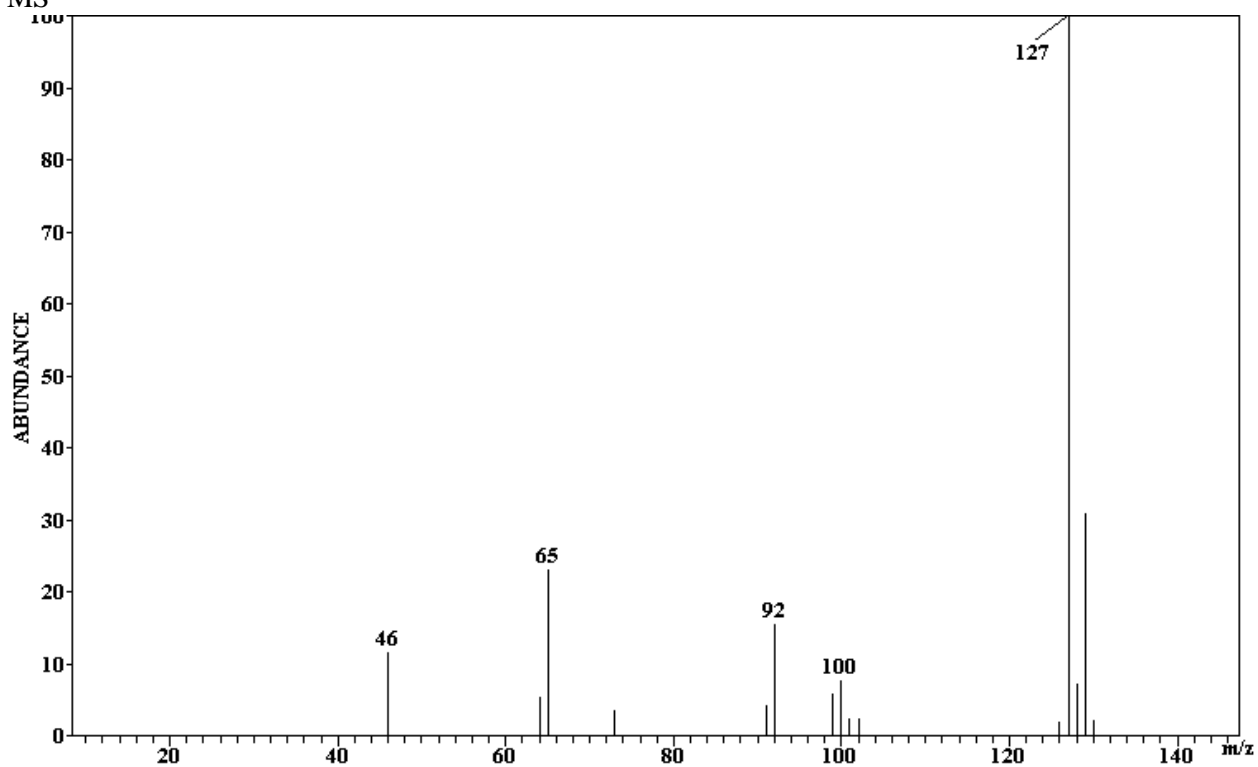


¹³CNMR:

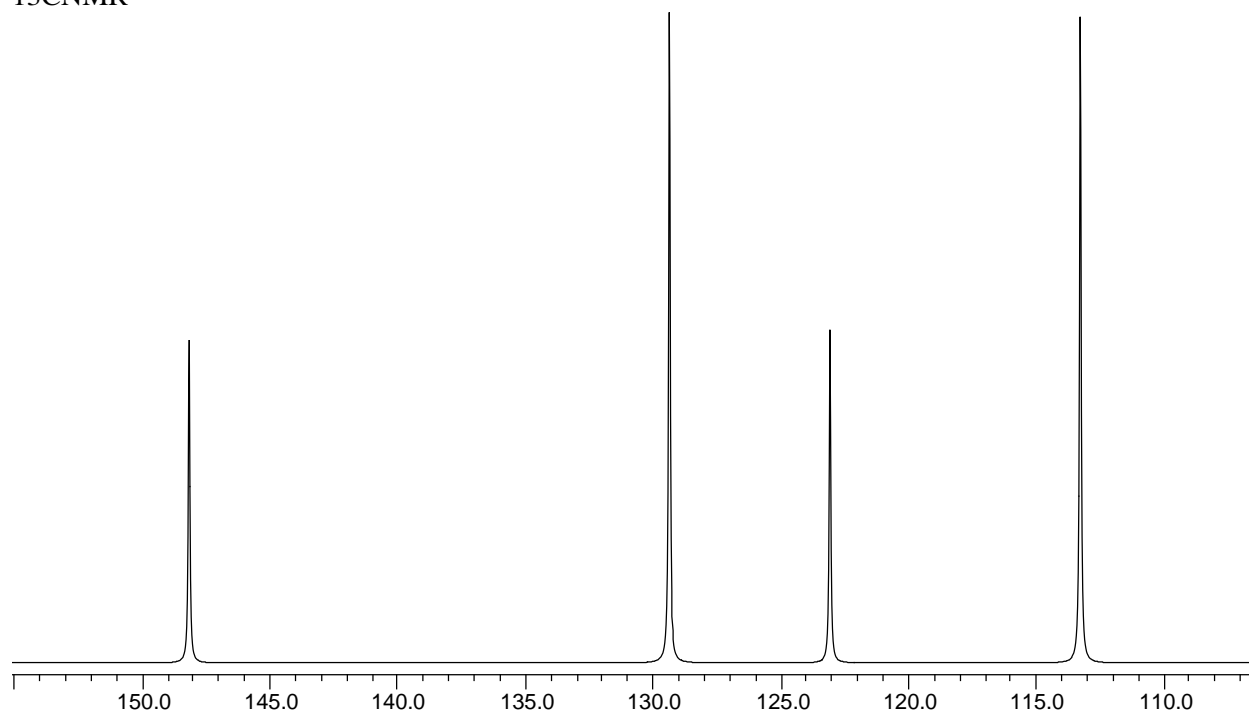


Unknown MM: m.p.=72-73 °C

MS

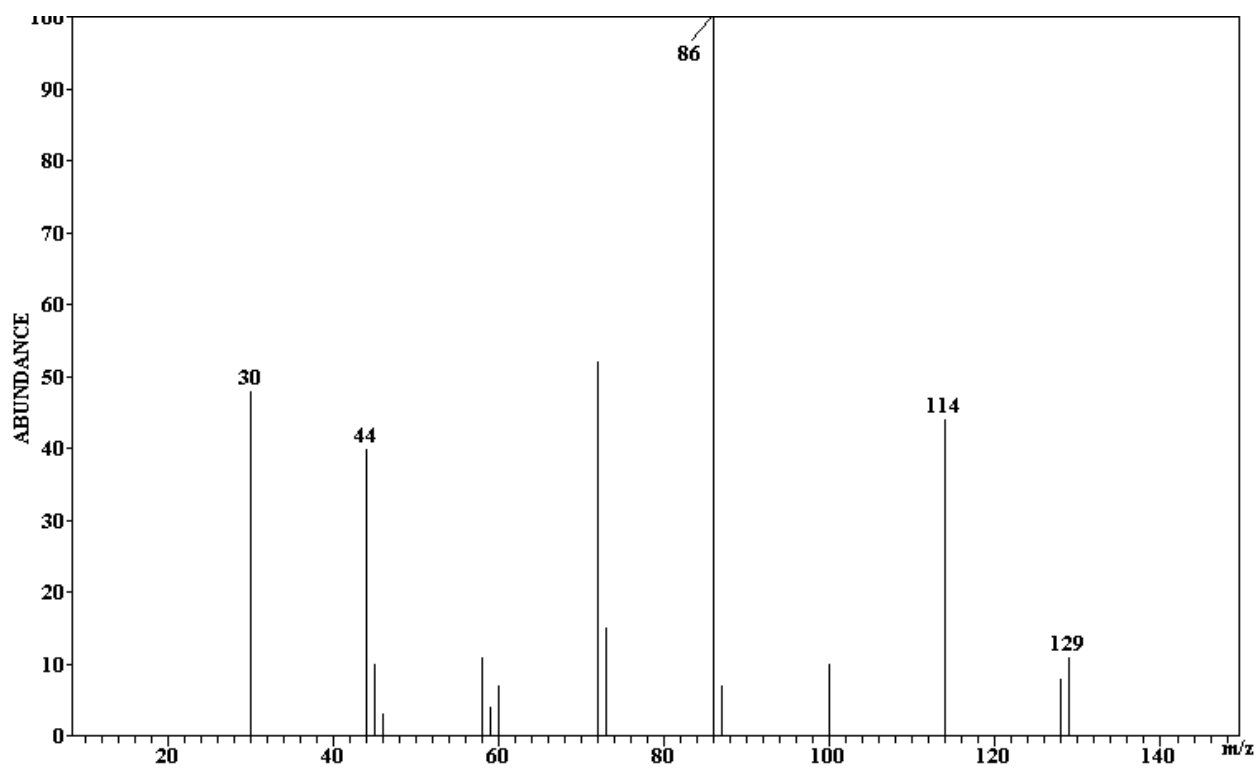


¹³CNMR

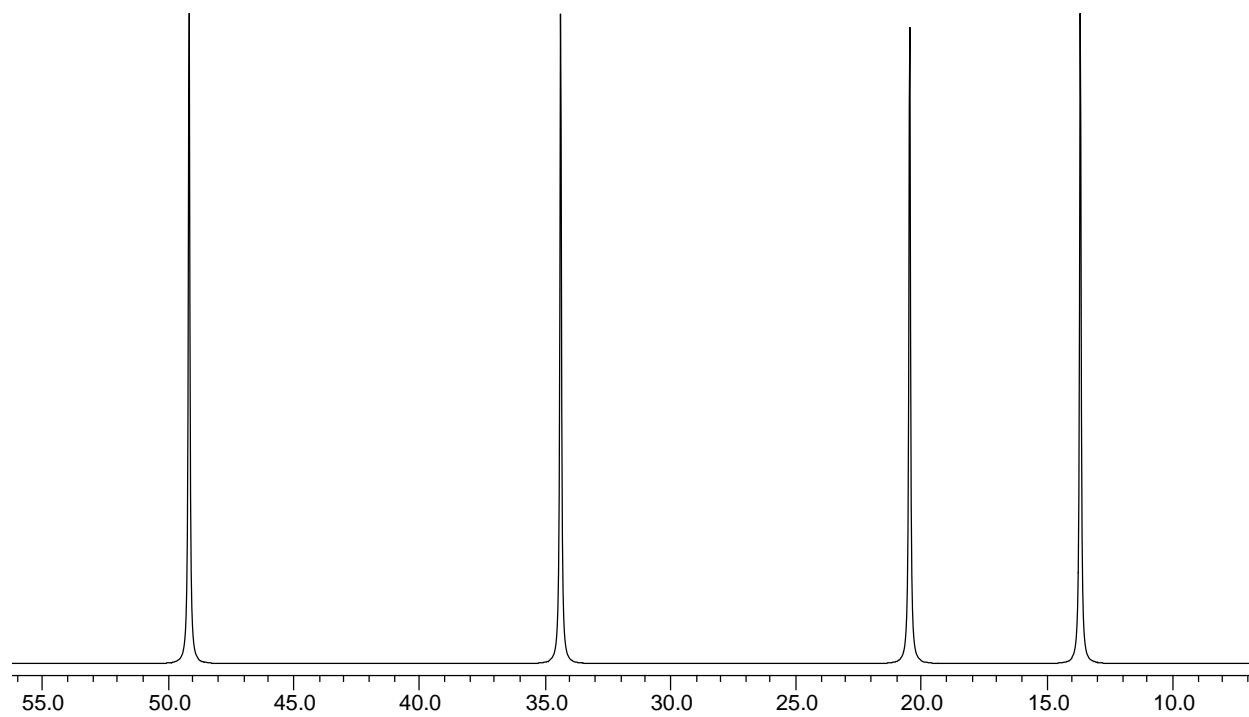


Unknown P: b.p.=158-160 °C

MS

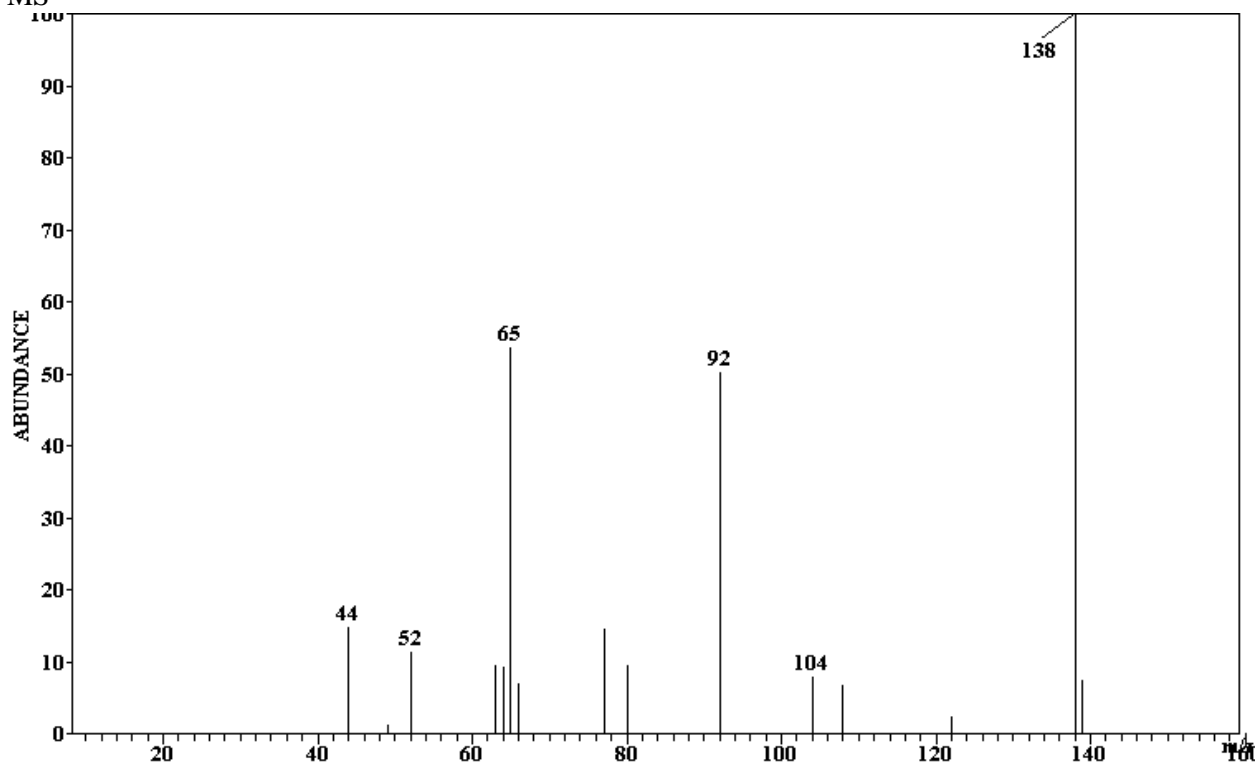


¹³CNMR

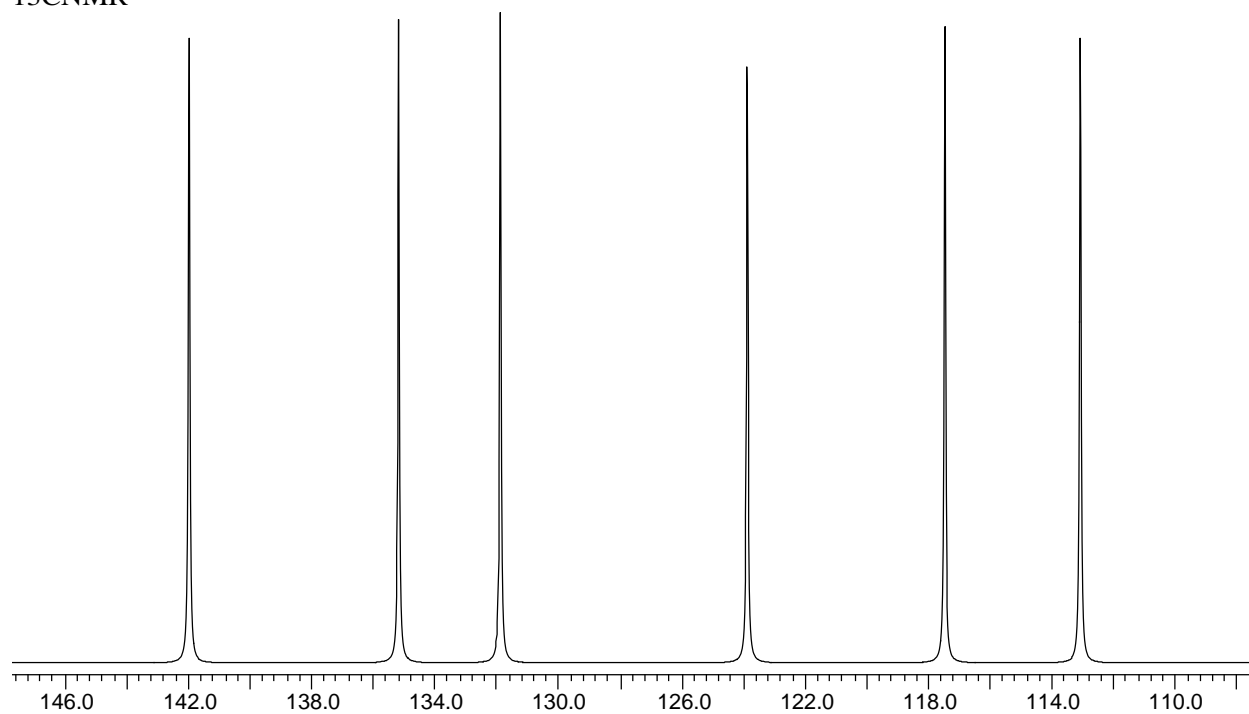


Unknown HH: m.p.=70-72 °C

MS

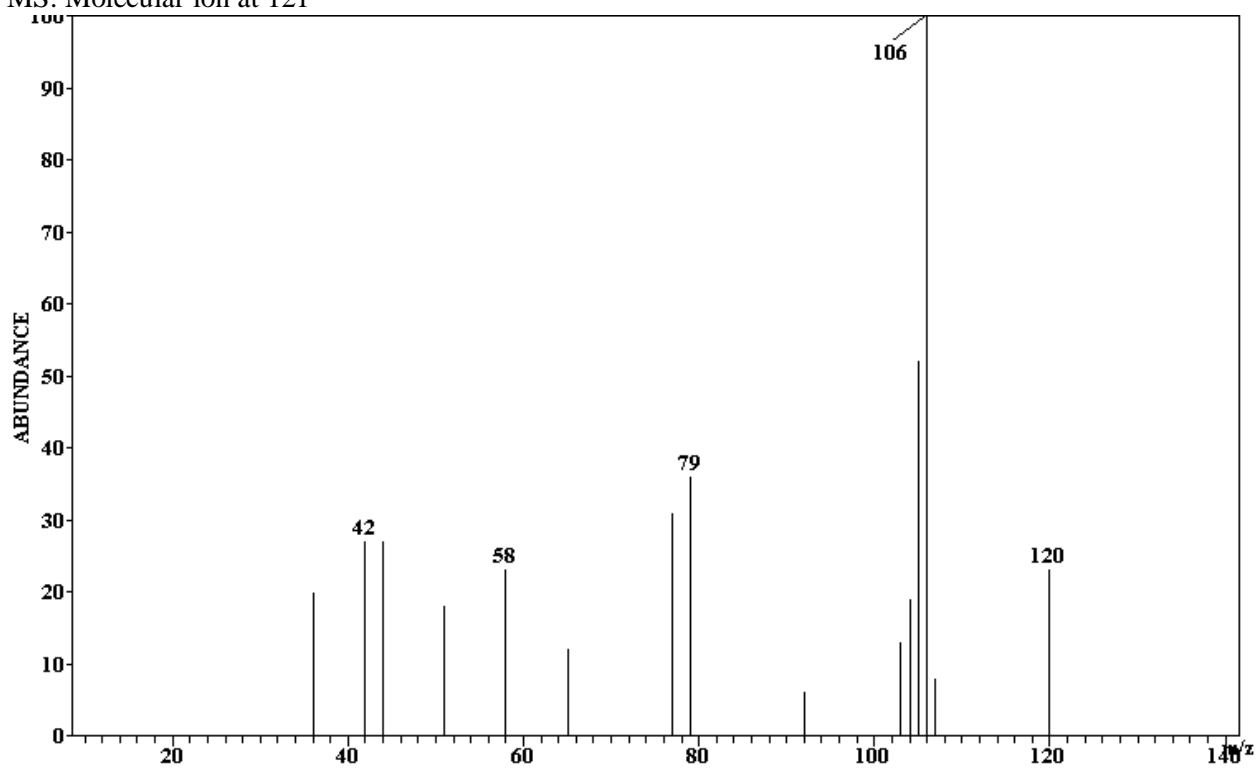


¹³CNMR

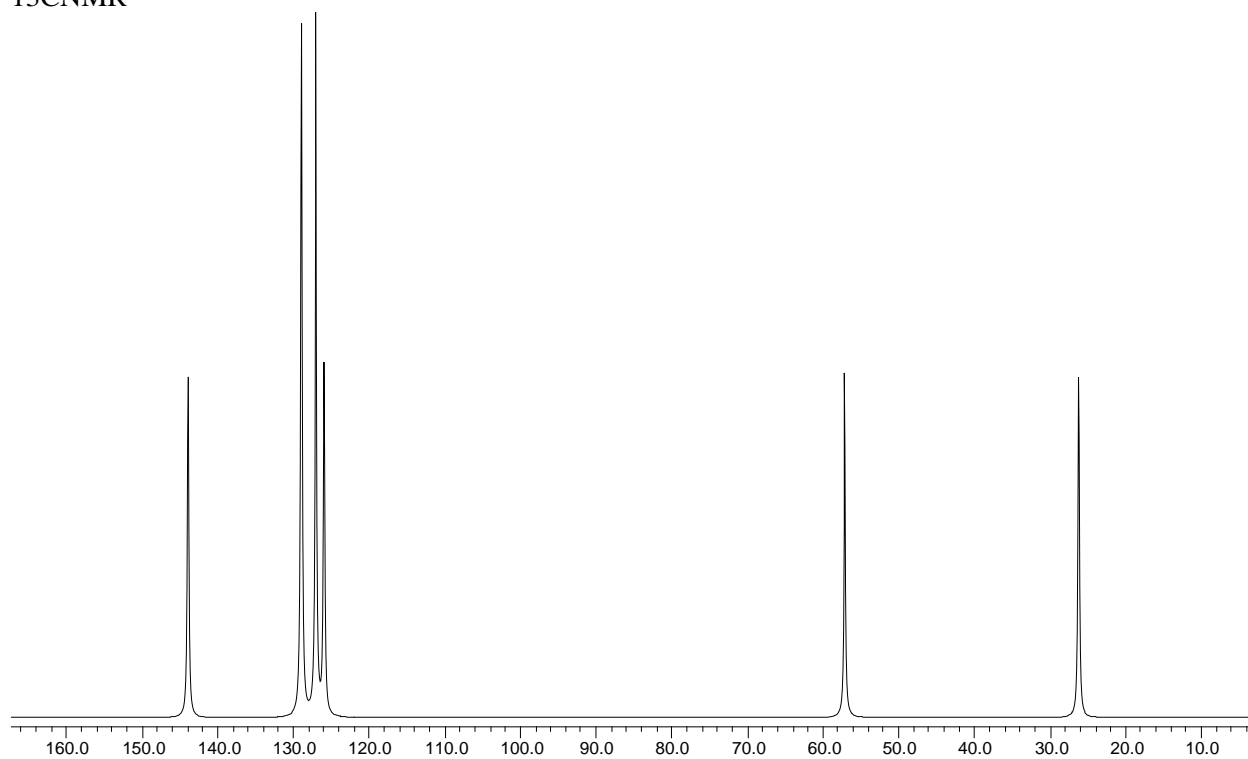


Unknown UU-1: b.p.=184-186 °C

MS: Molecular ion at 121

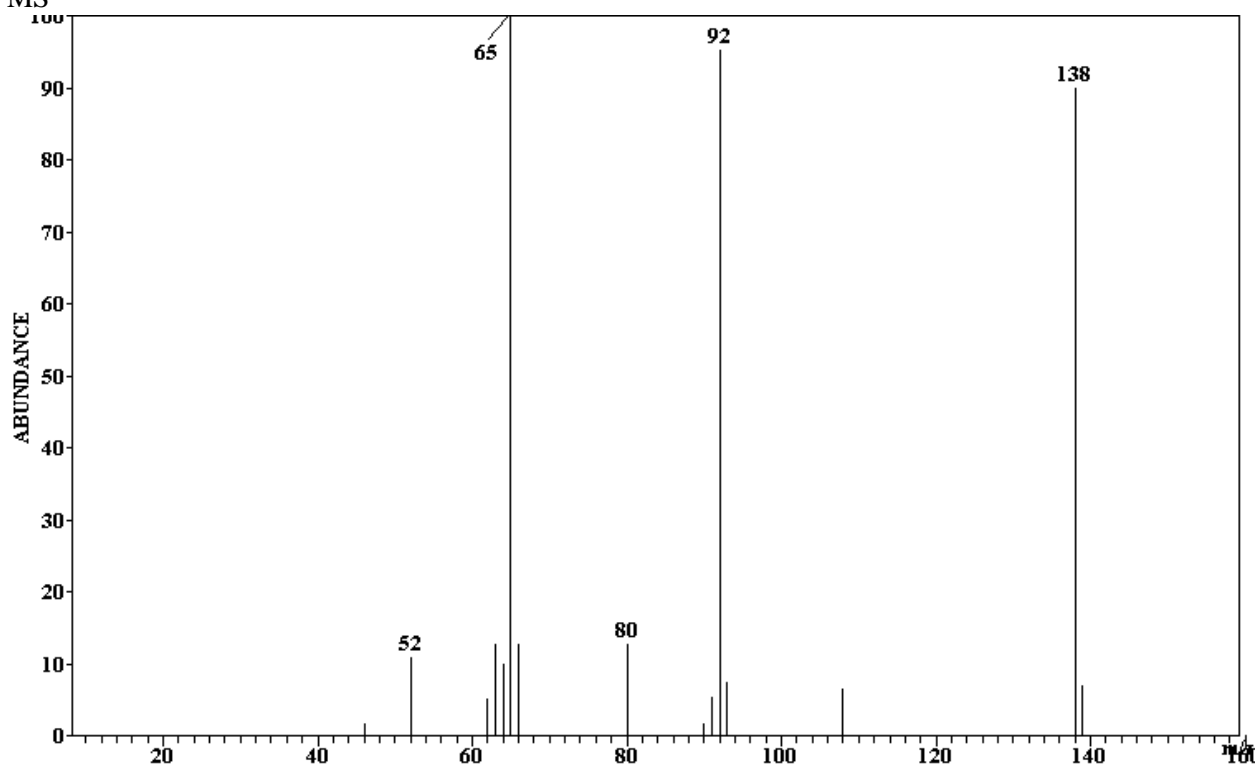


¹³CNMR

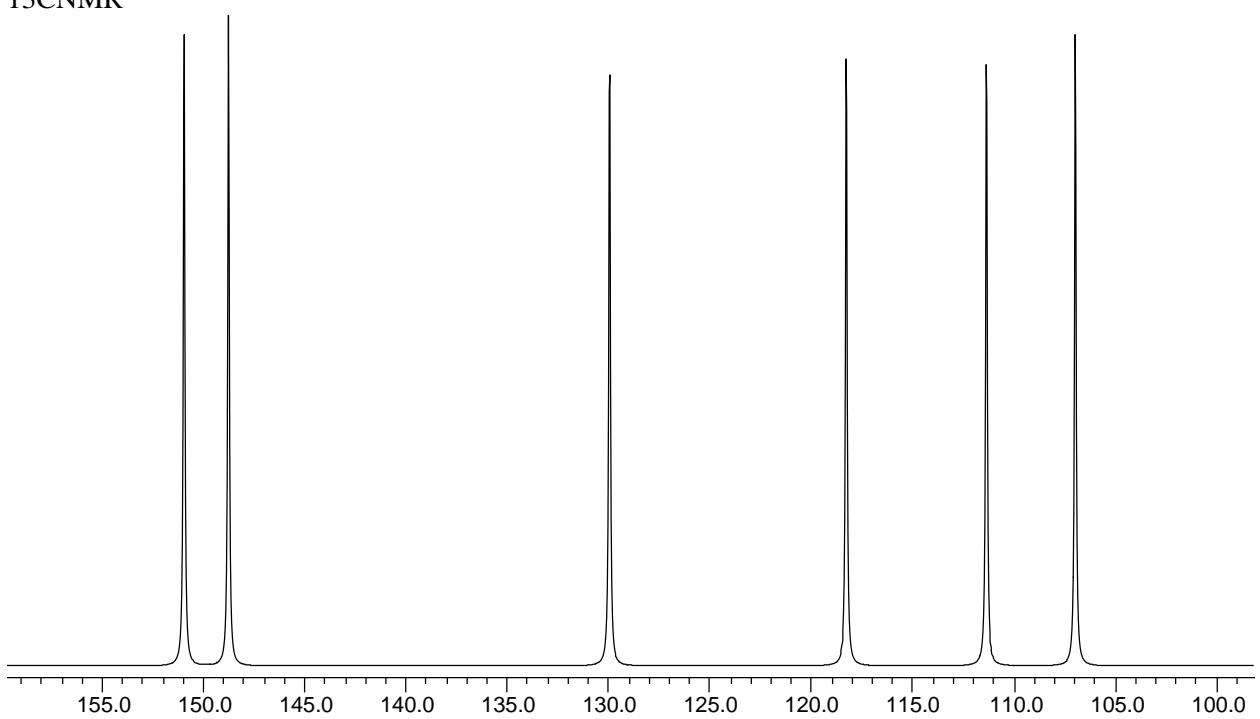


Unknown JJ: m.p.=113-114 °C

MS

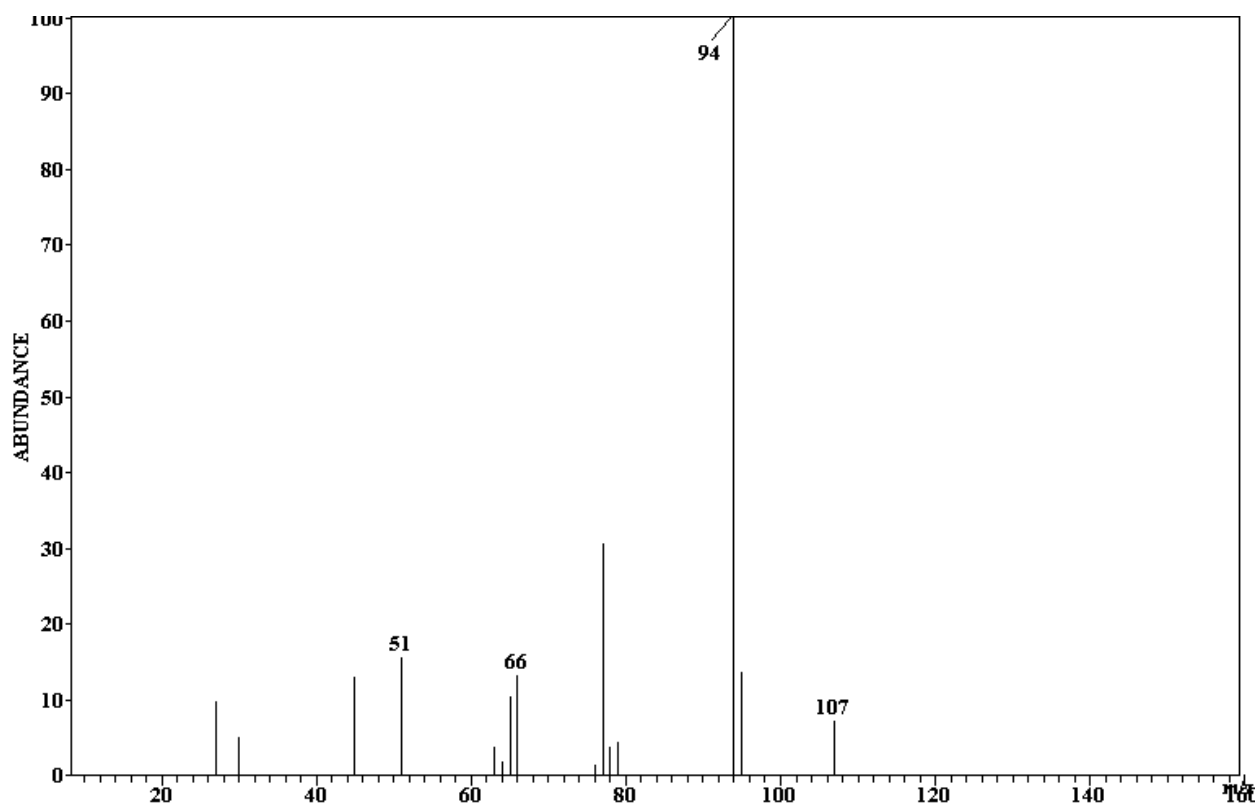


¹³CNMR

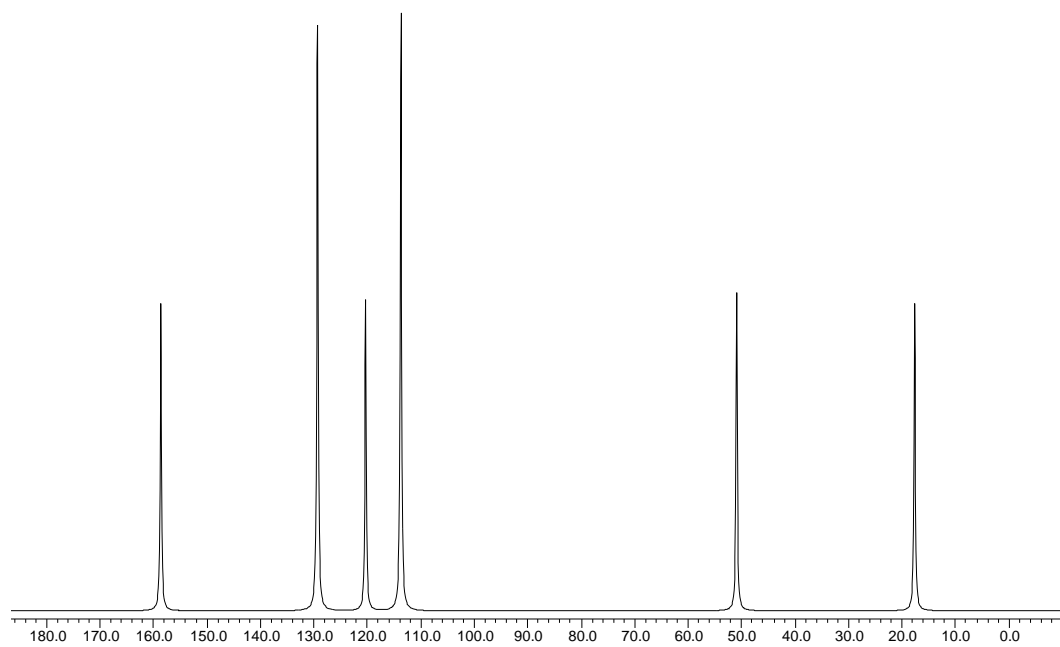


Unknown KK-1: b.p. 244-246 °C

MS: Molecular ion $m/z=138$

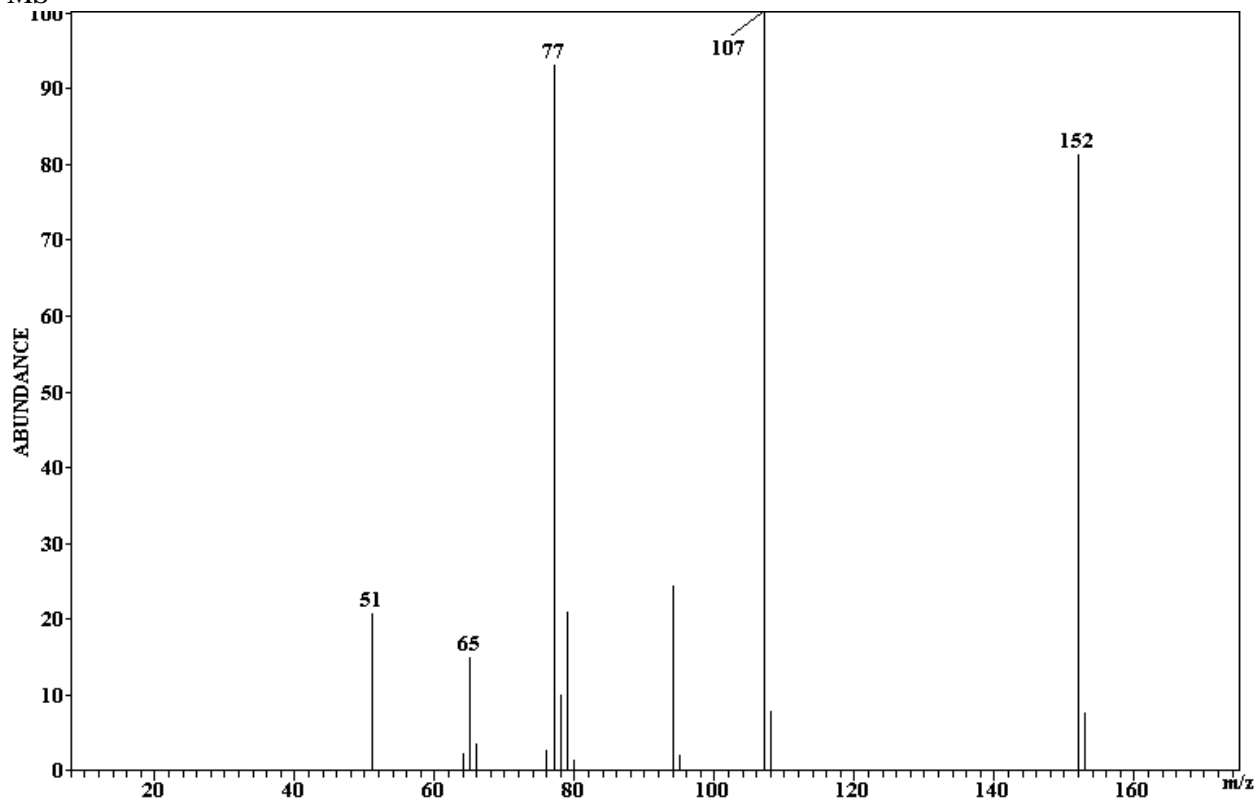


^{13}C NMR

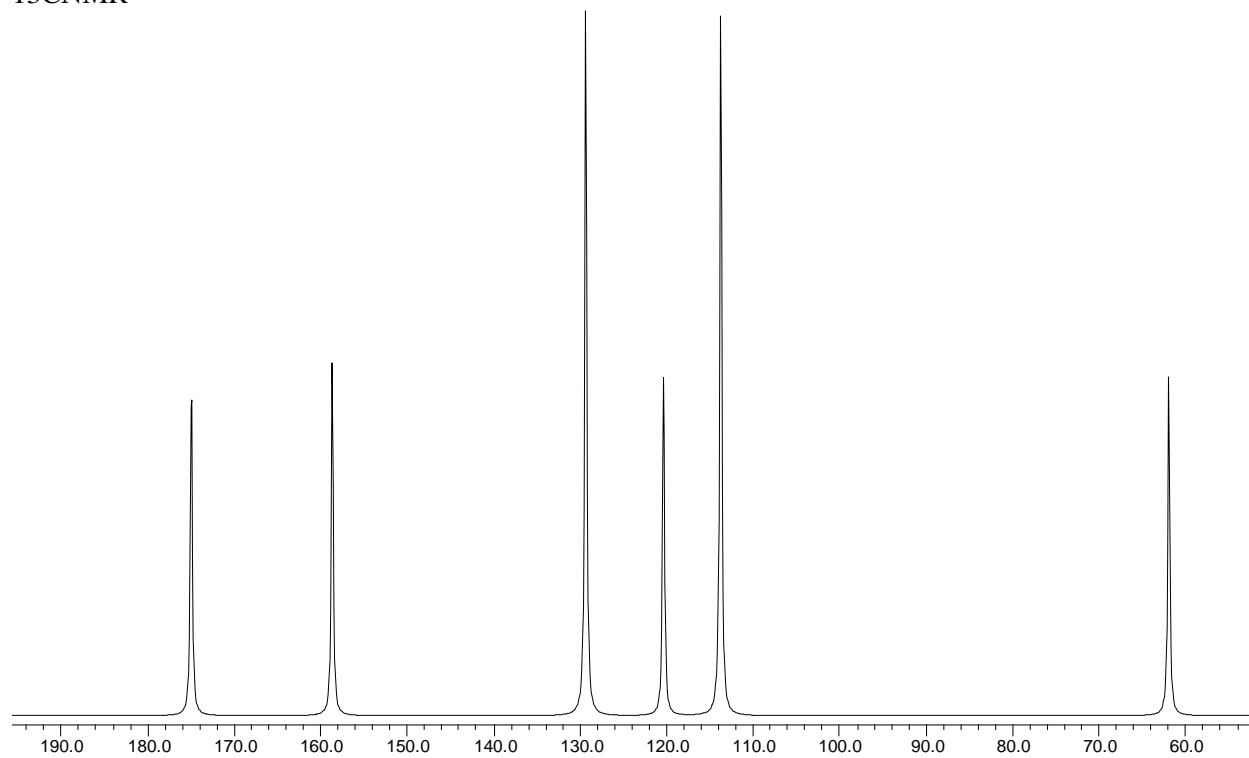


Unknown HHH: m.p. 99-100 °C

MS

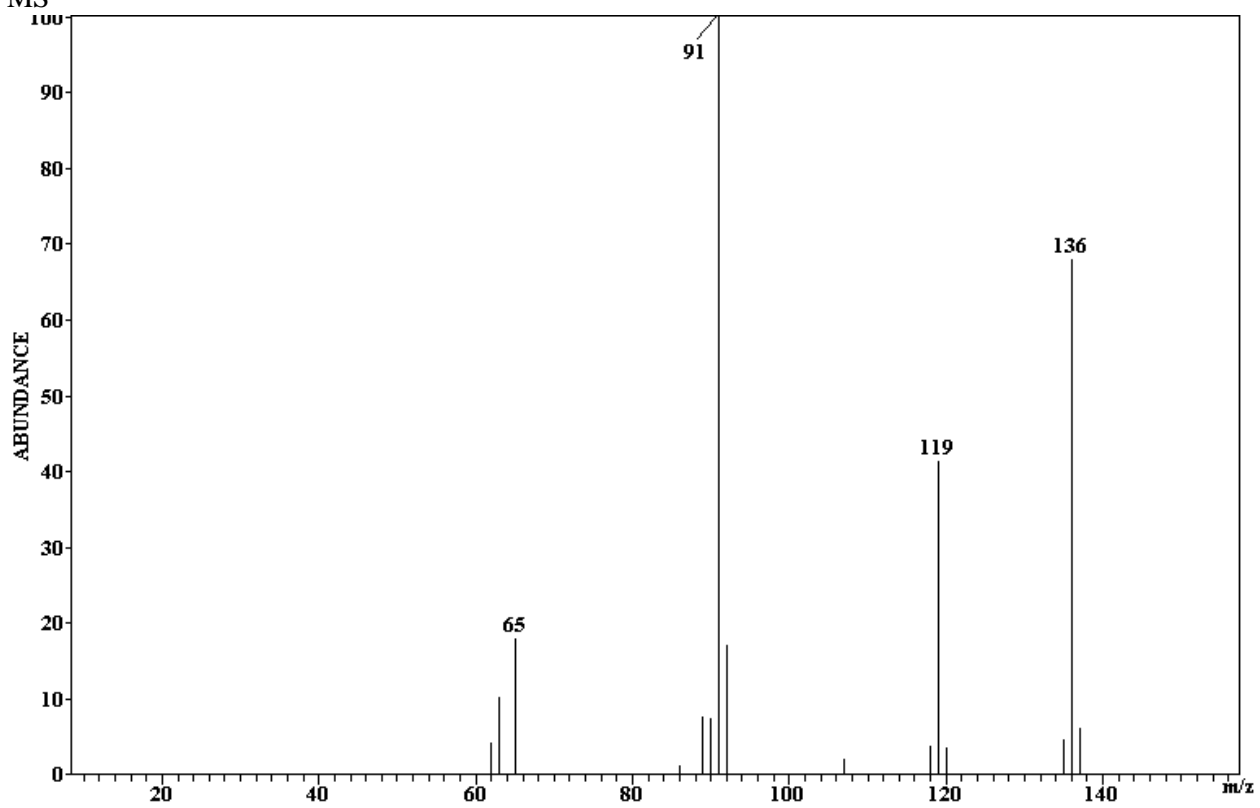


¹³CNMR

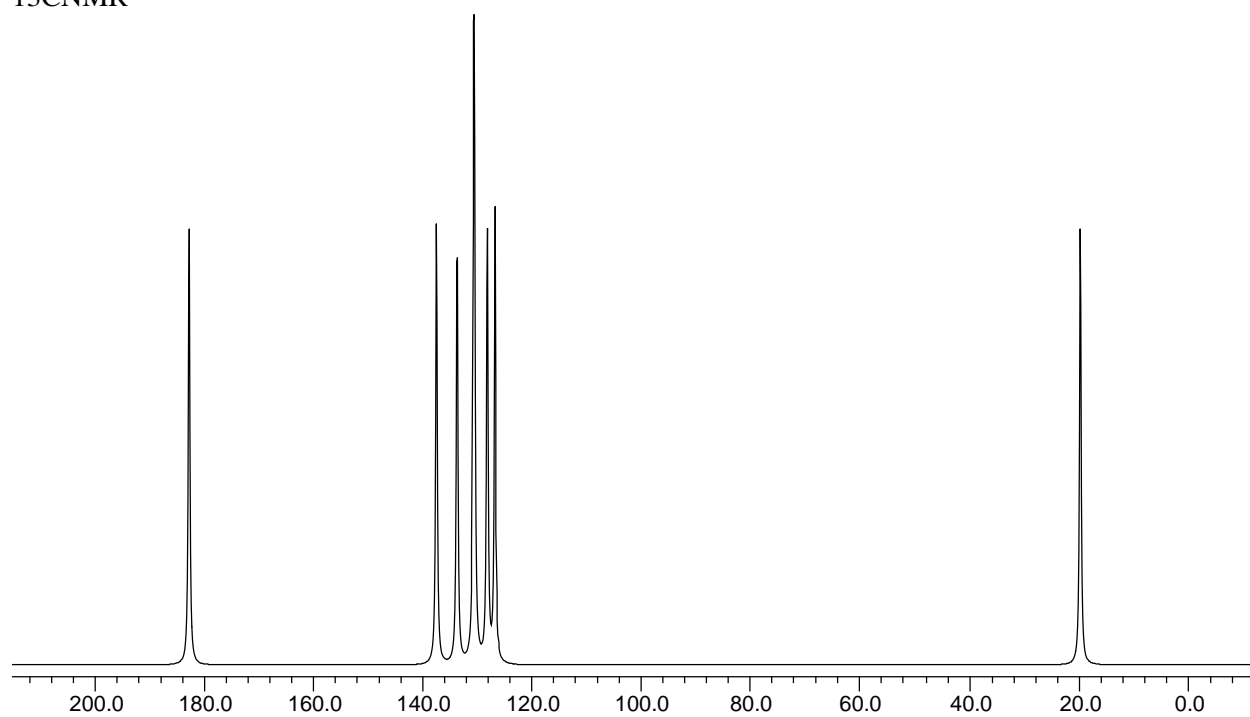


Unknown M-5: m.p.=110-111 °C

MS

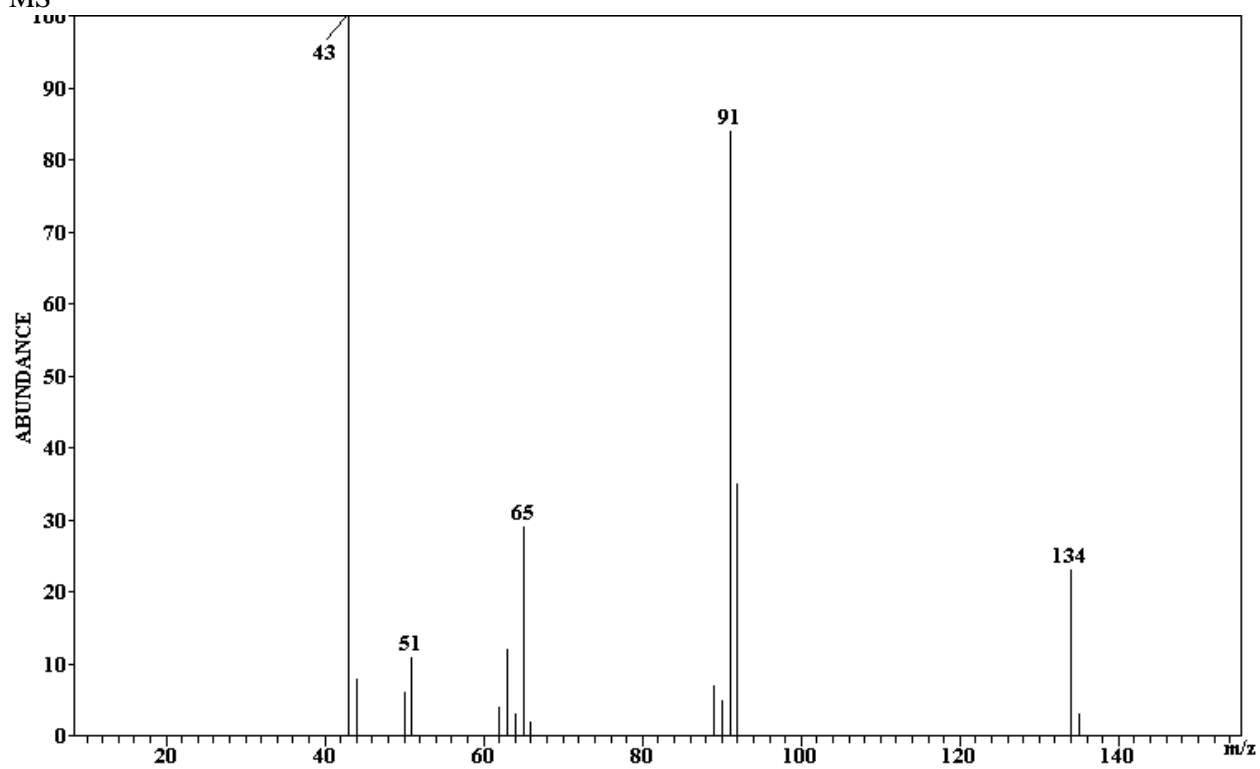


¹³CNMR

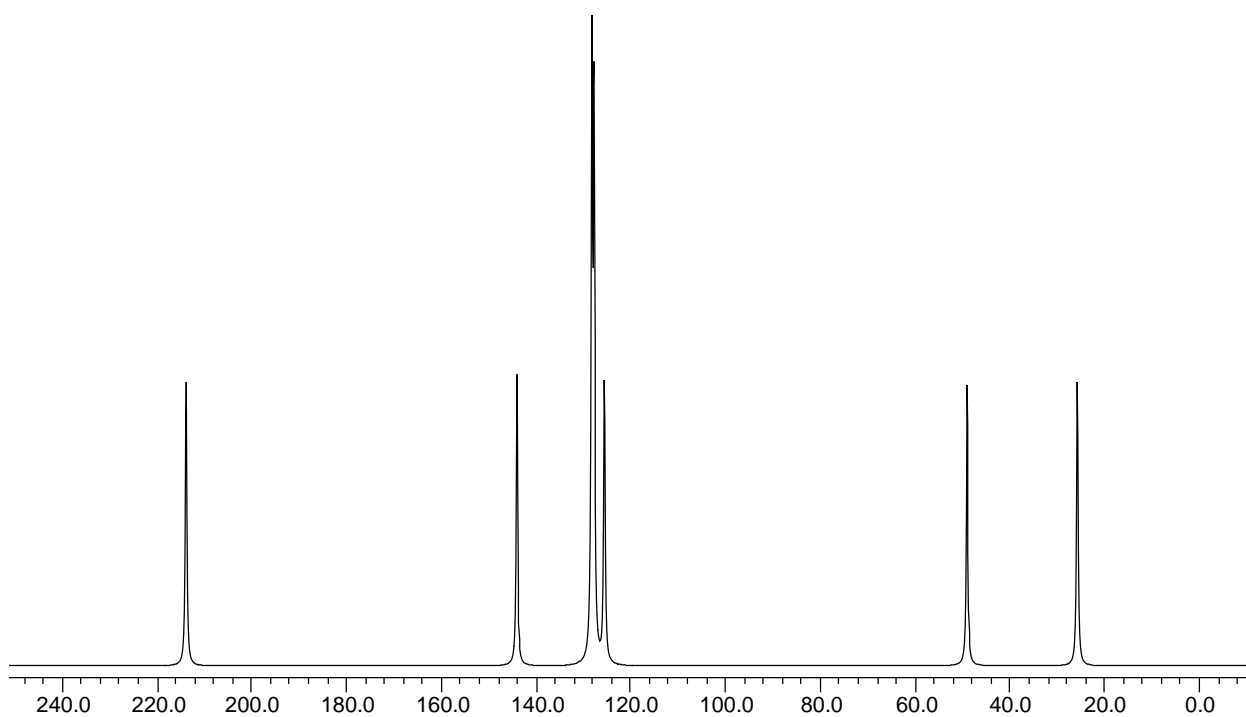


Unknown F: Very high b.p. (if needed consult Dr. Xie)

MS

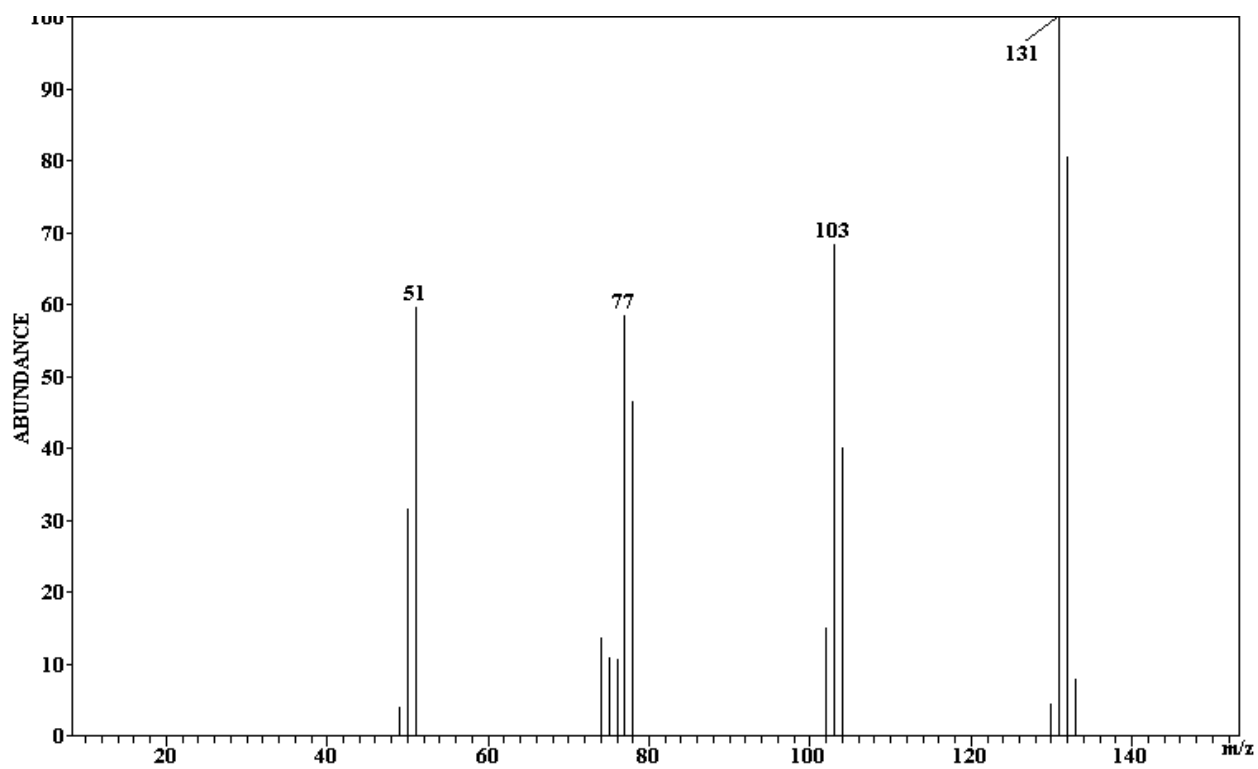


^{13}C NMR



Unknown E: b.p.=250-252 °C

MS: Molecular ion at 132



¹³CNMR

