Supplementary Material

5,5,7,7-Tetrametyl-6,7-dihydro-5*H*-dibenzo[*c,e*] azepine

Roberto Bisaccia[1,2], Patrizia Scafato [1], Daniele Casarini[1], and Stefano Superchi [1,*]

[1] Department of Sciences, University of Basilicata, Via dell'Ateneo Lucano 10, 85100 Potenza, Italy; stefano.superchi@unibas.it (S.S.).

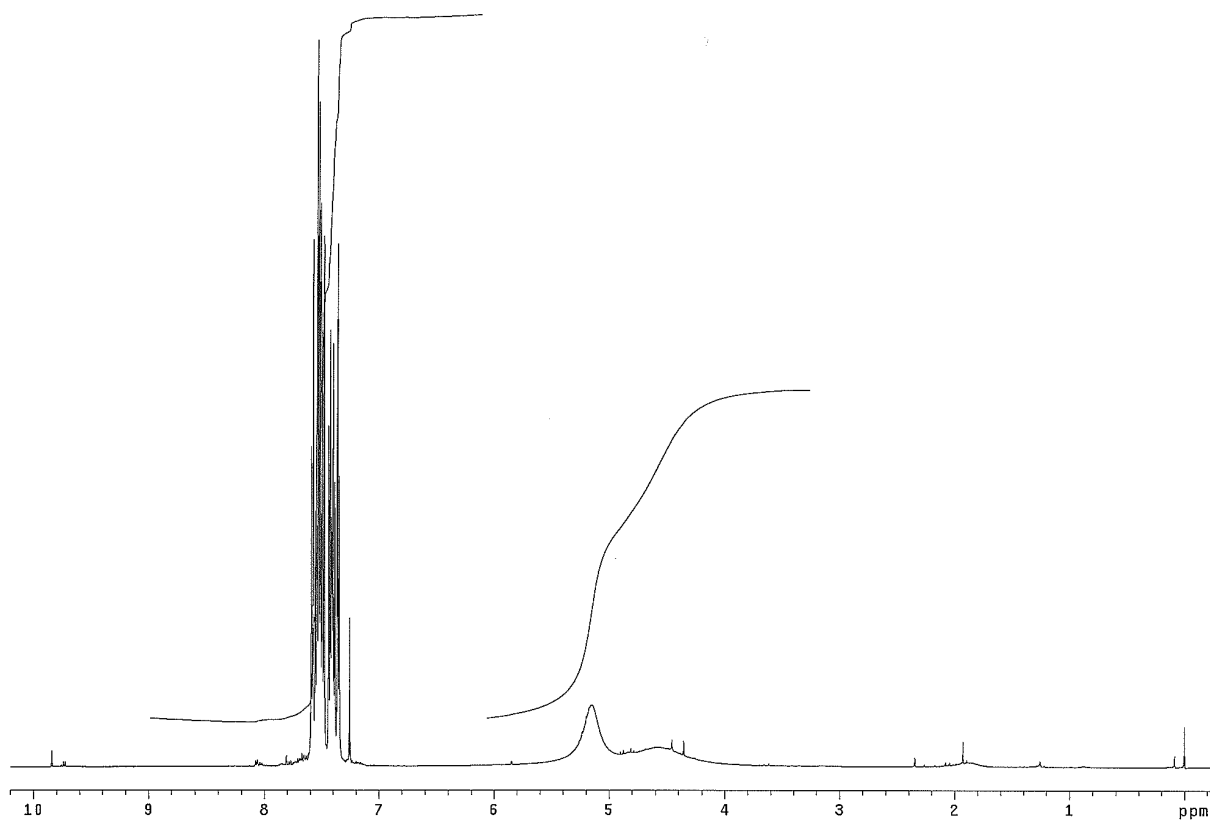[2] Present address: Flamma Group, via Bedeschi, 22, 20040 Chignolo d'Isola (Bergamo), Italy.
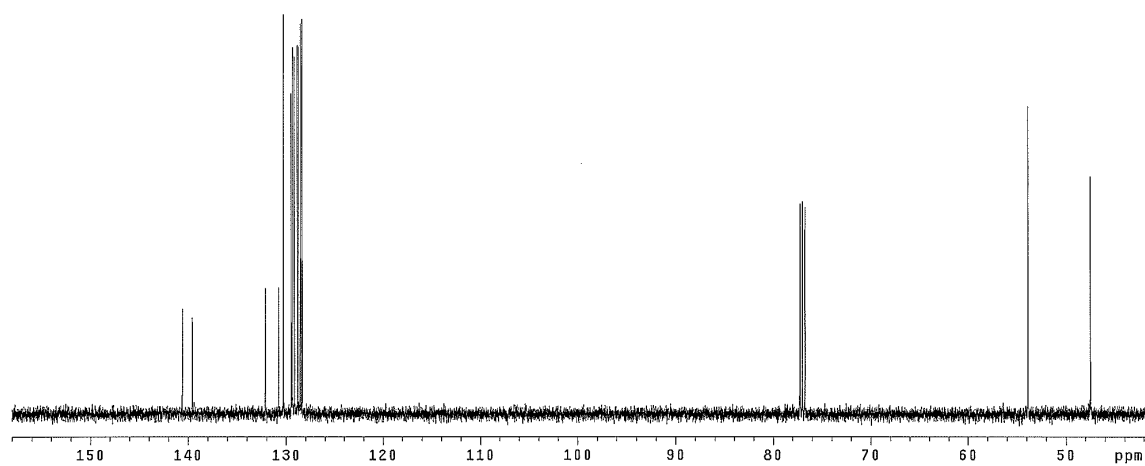
Figure S1. ¹H NMR spectrum of compound **3**.

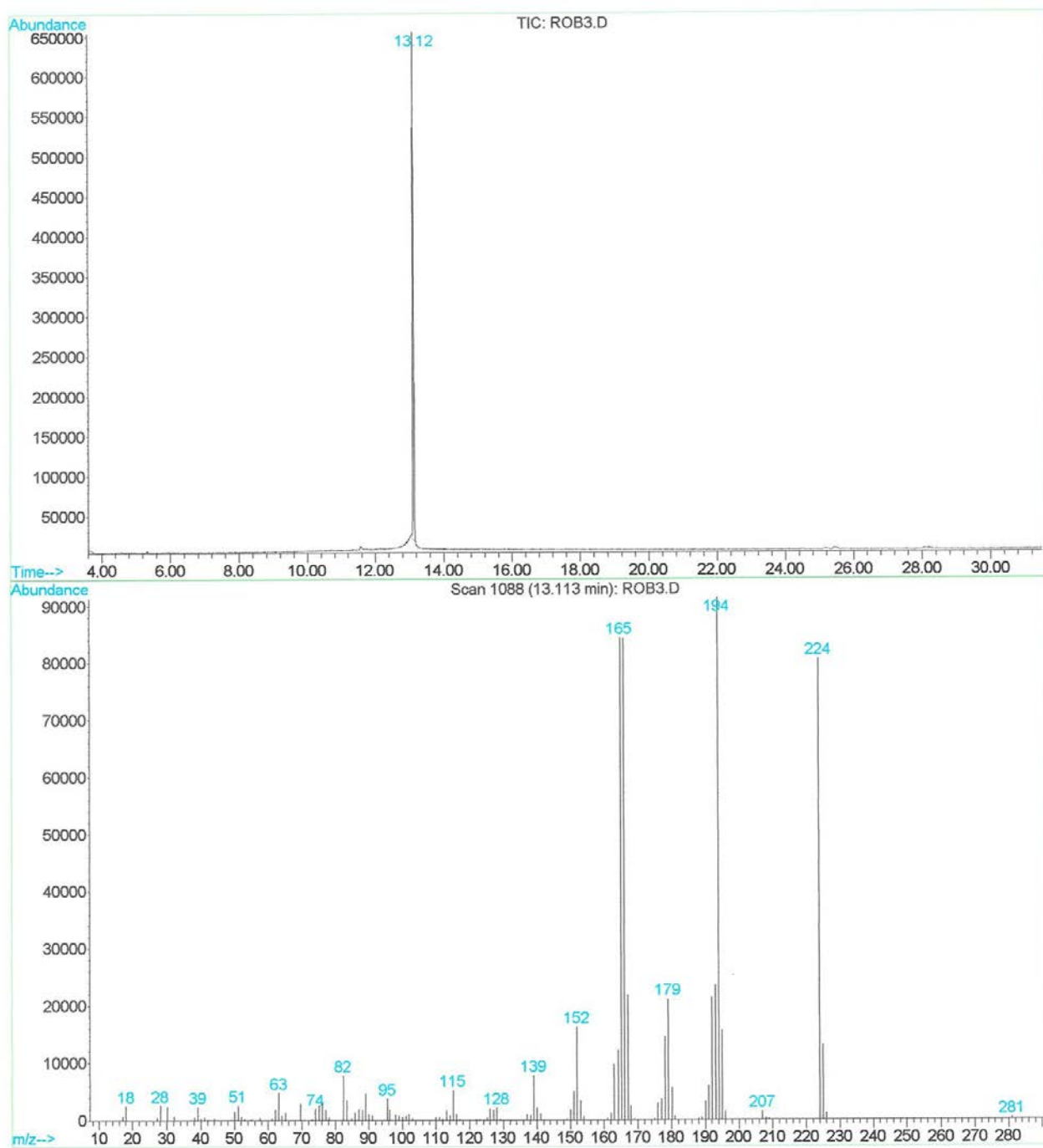**Figure S2.** ¹³C NMR spectrum of compound **3**.

Figure S3. GC-MS analysis of compound **3**. GC trace (top) MS(EI) spectrum (bottom).
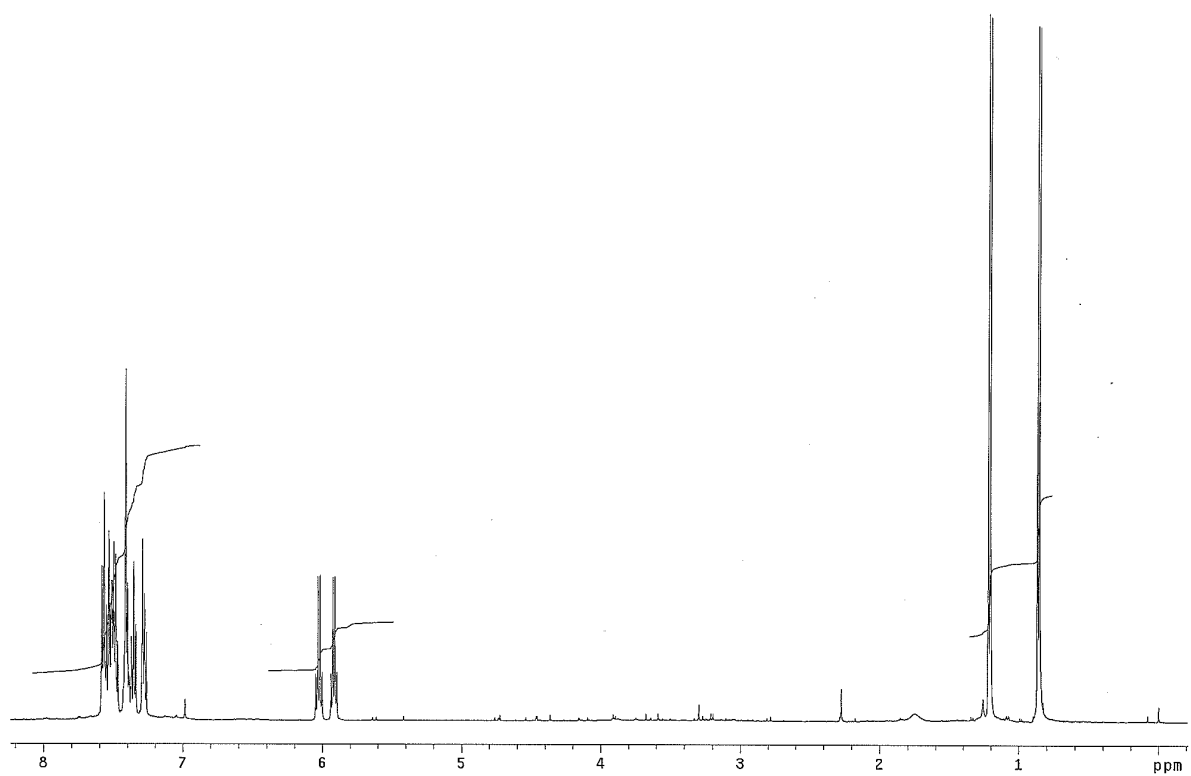
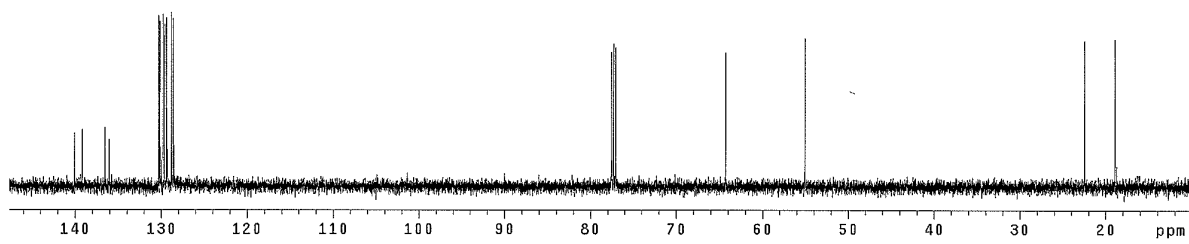**Figure S4.** ^{1}H NMR spectrum of compound **4**.
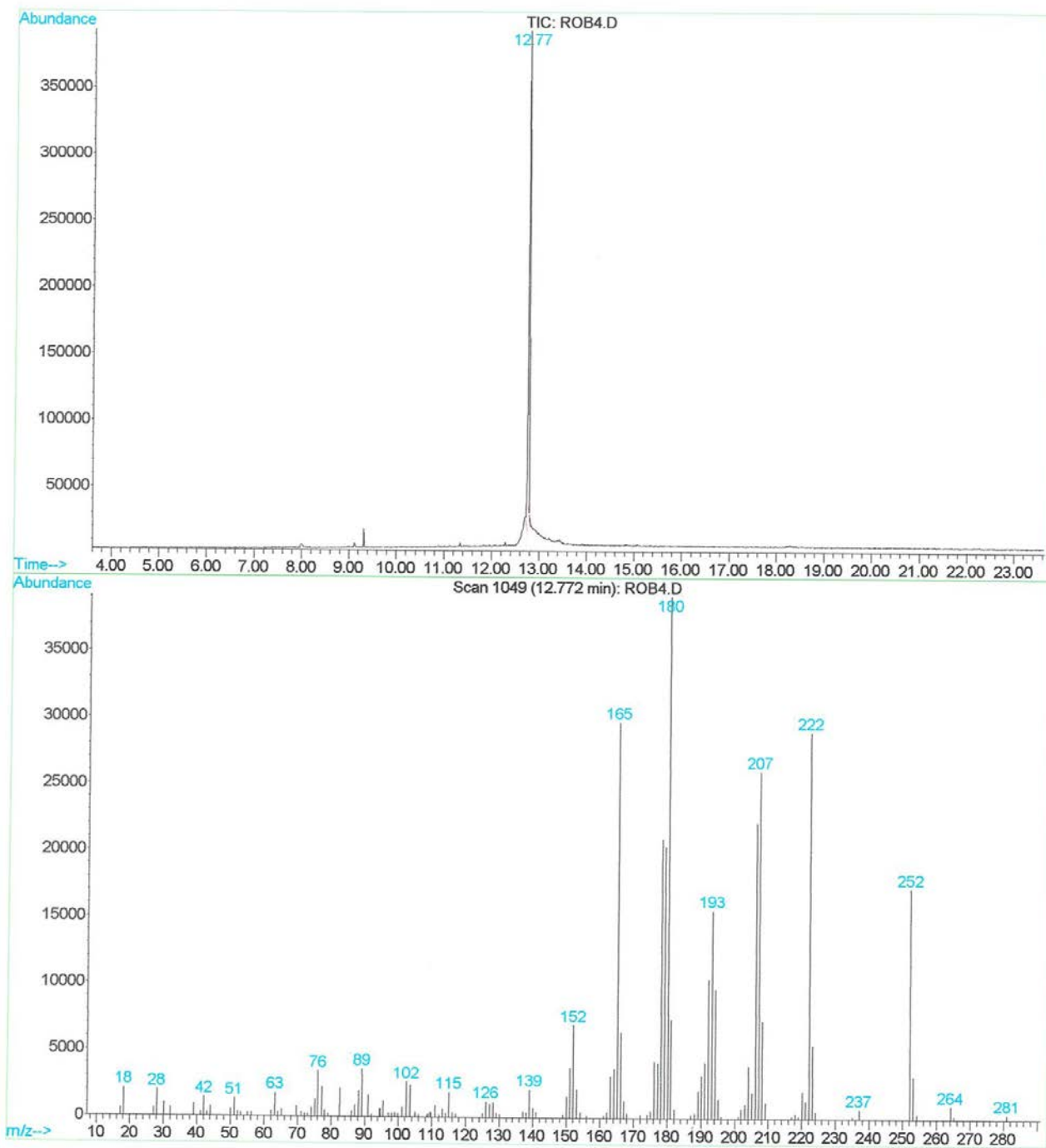

Figure S5. ^{13}C NMR spectrum of compound **4**.

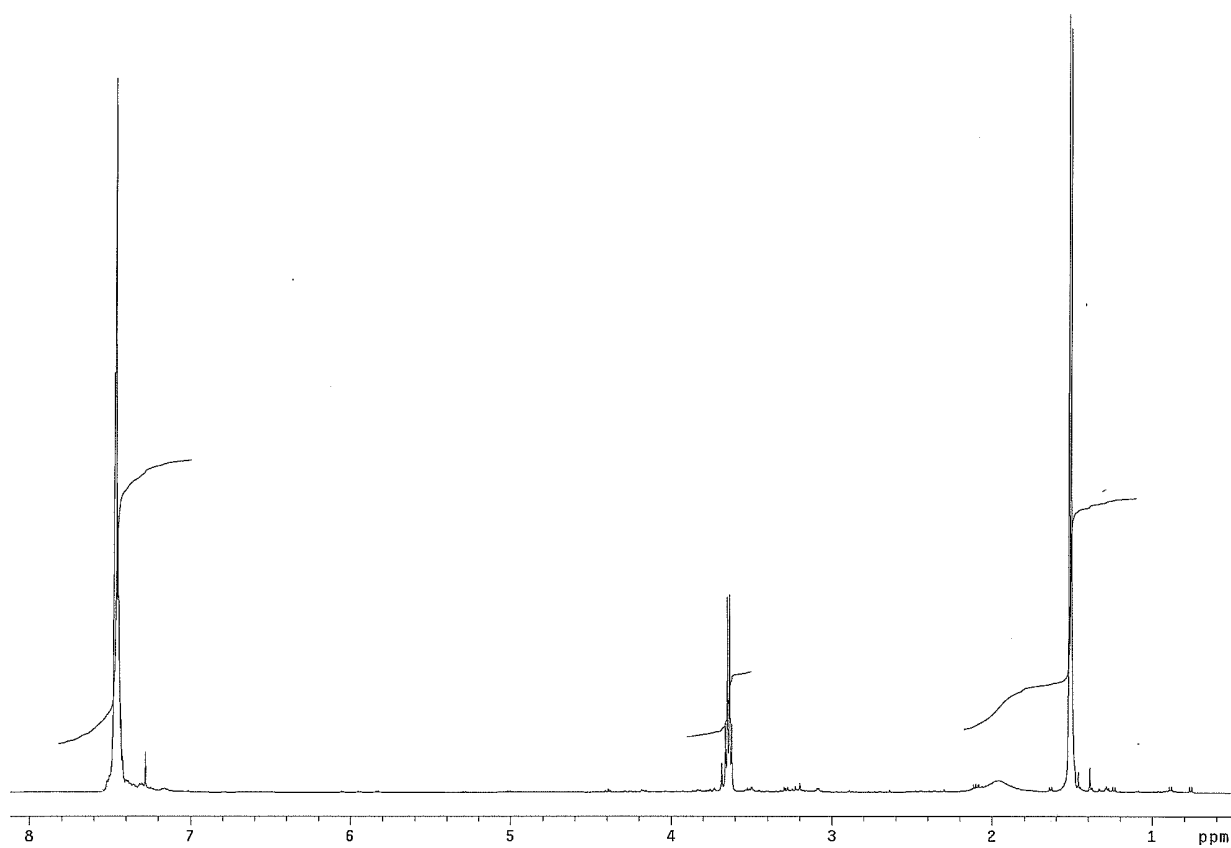**Figure S6.** GC-MS analysis of compound **4**. GC trace (top) MS(EI) spectrum (bottom).
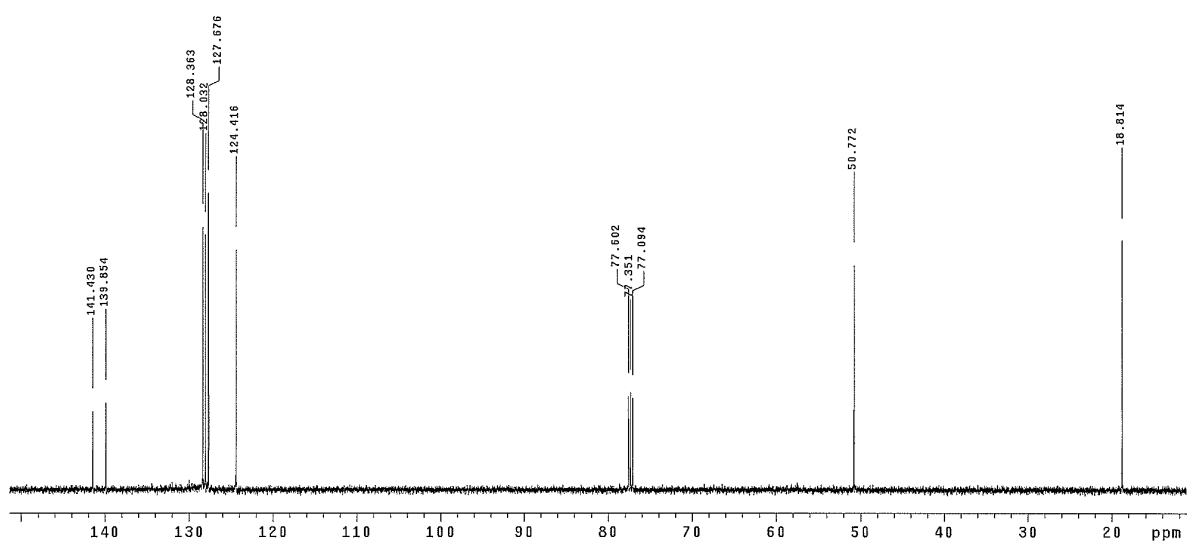
Figure S7. ^{1}H NMR spectrum of compound **5**.
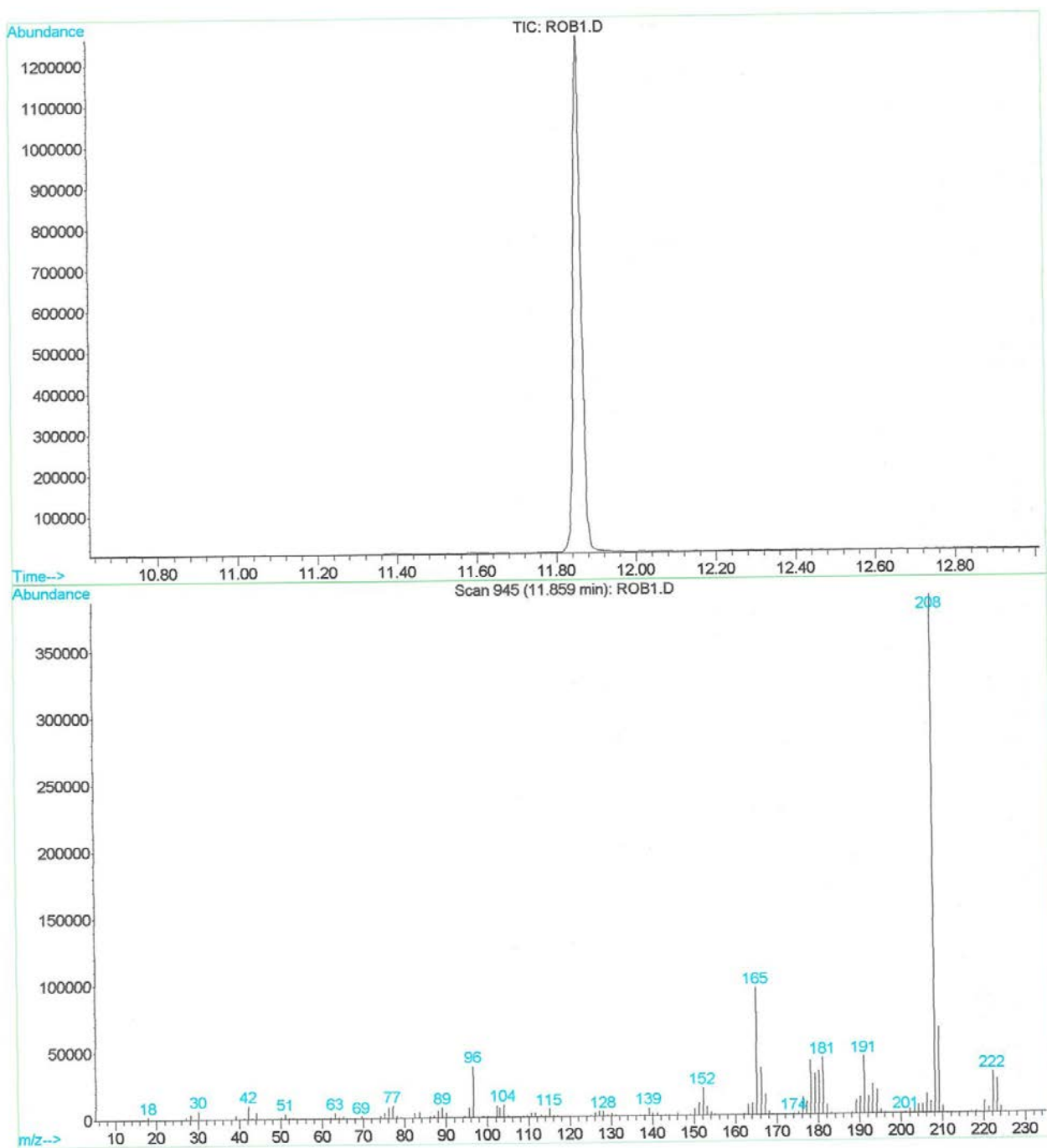

Figure S8. ^{13}C NMR spectrum of compound **5**.

Figure S9. GC-MS analysis of compound **5**. GC trace (top) MS(EI) spectrum (bottom).
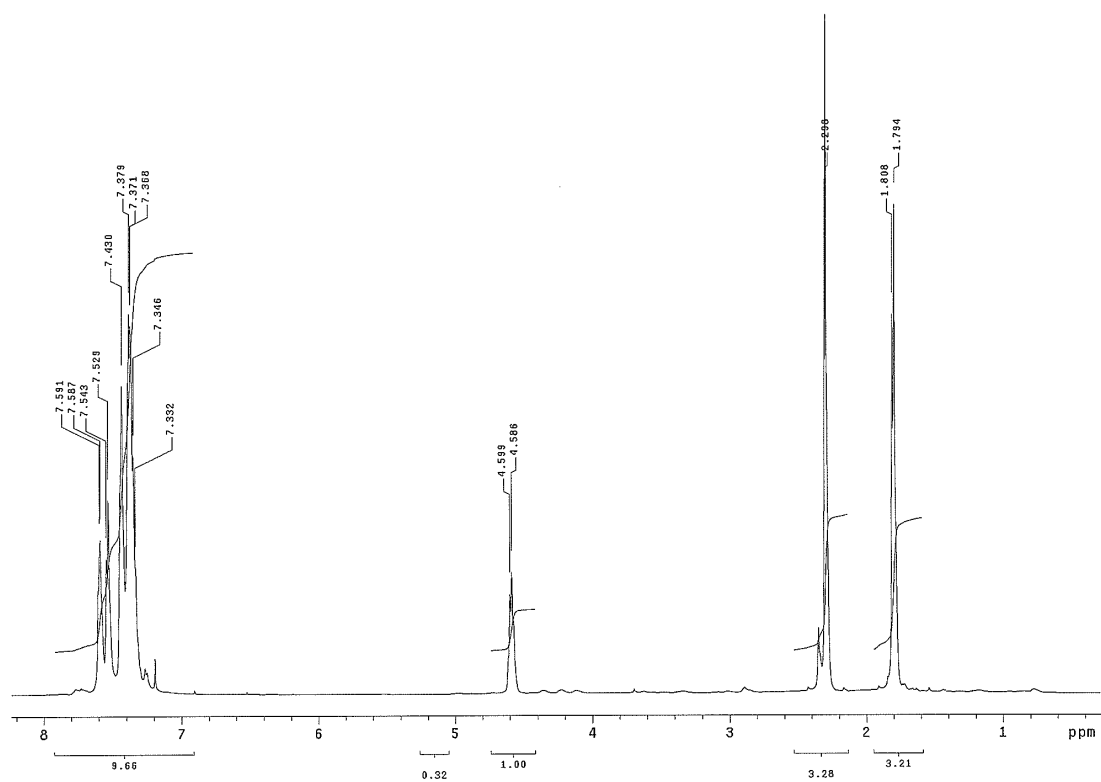
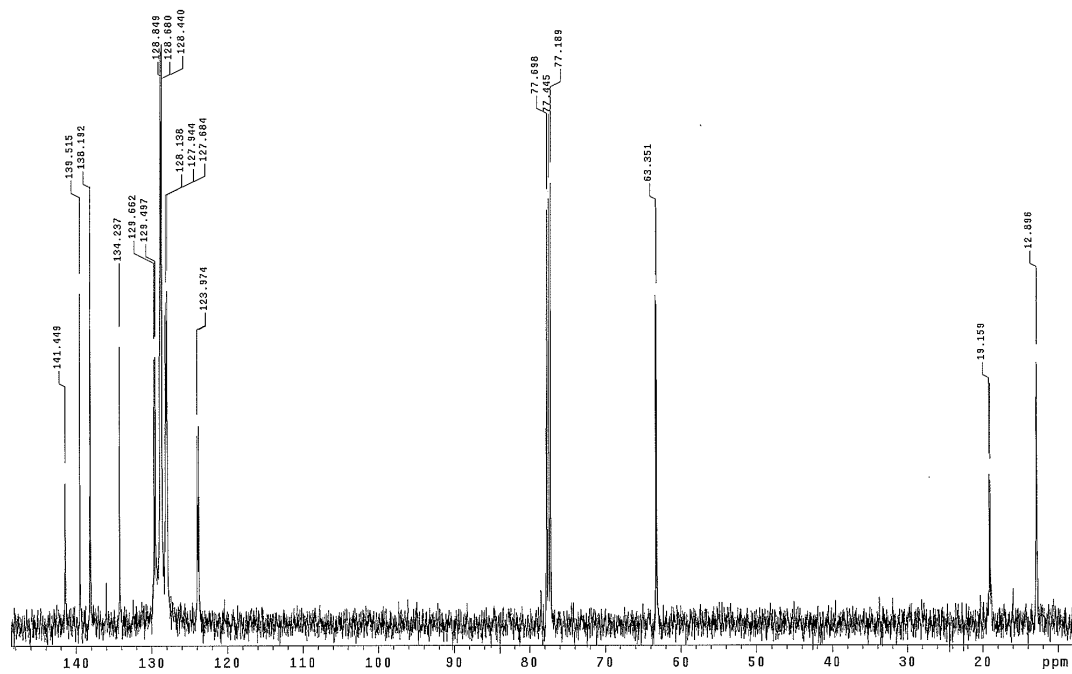**Figure S10.** ¹H NMR spectrum of compound **6**.

Figure S11. ¹³C NMR spectrum of compound **6**.

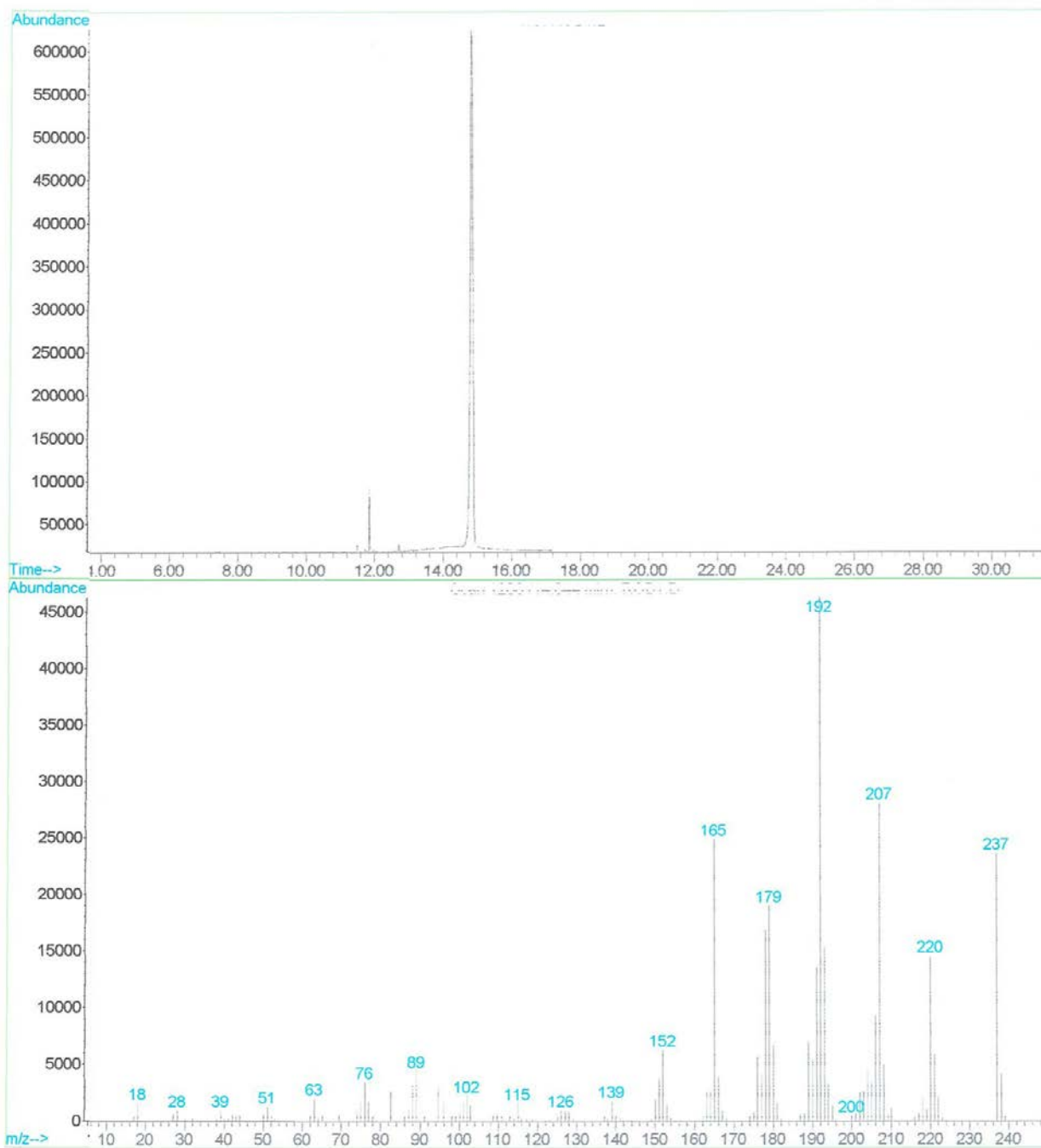**Figure S12.** GC-MS analysis of compound **6**. GC trace (top) MS(EI) spectrum (bottom).
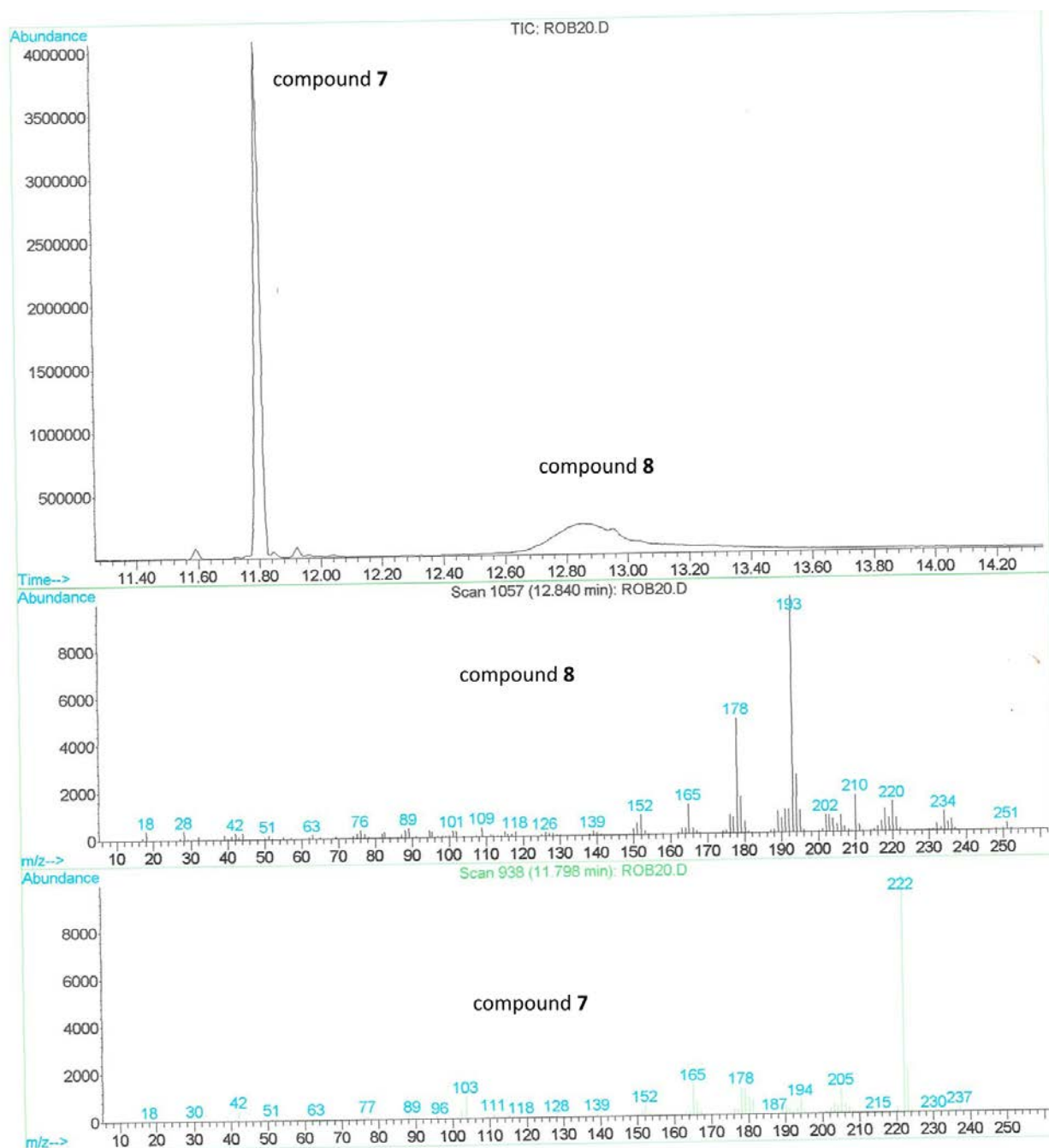
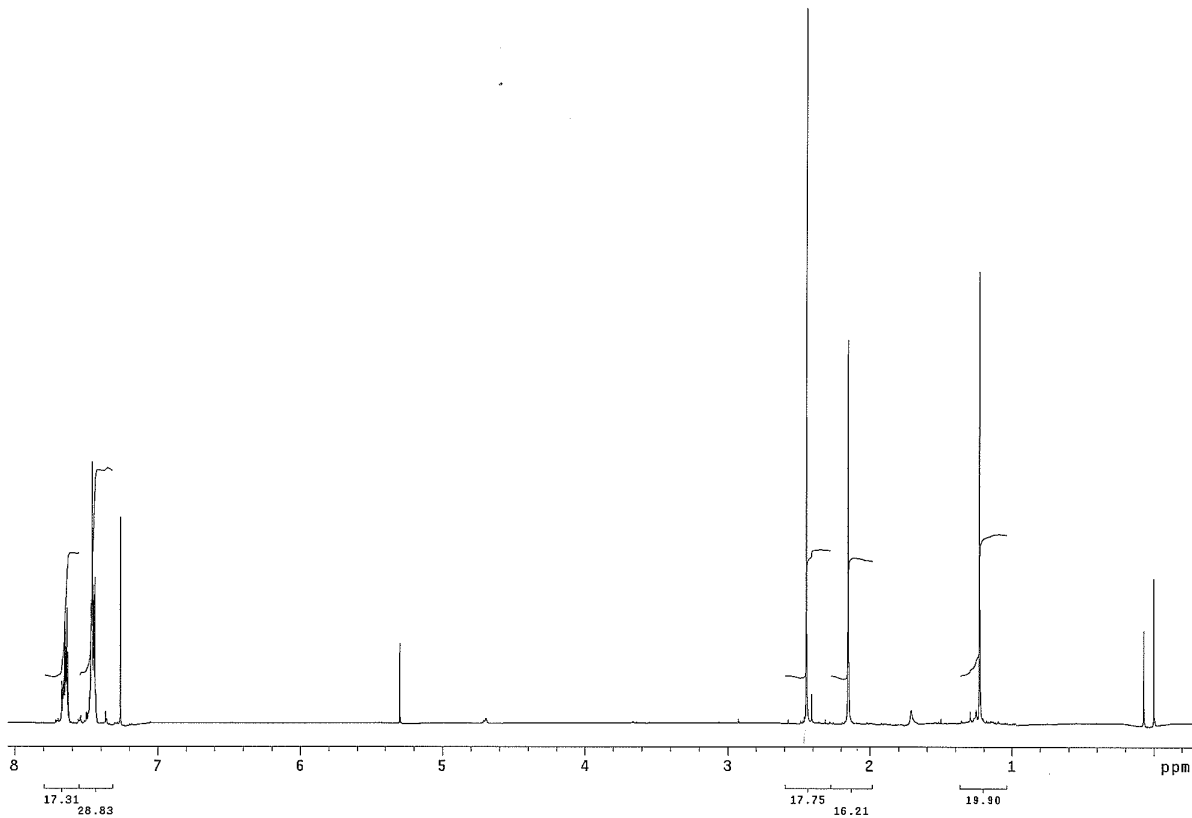**Figure S13.** GC-MS analysis of mixtures of compound **7** and **8**, GC traces (top) MS(EI) spectra (bottom).
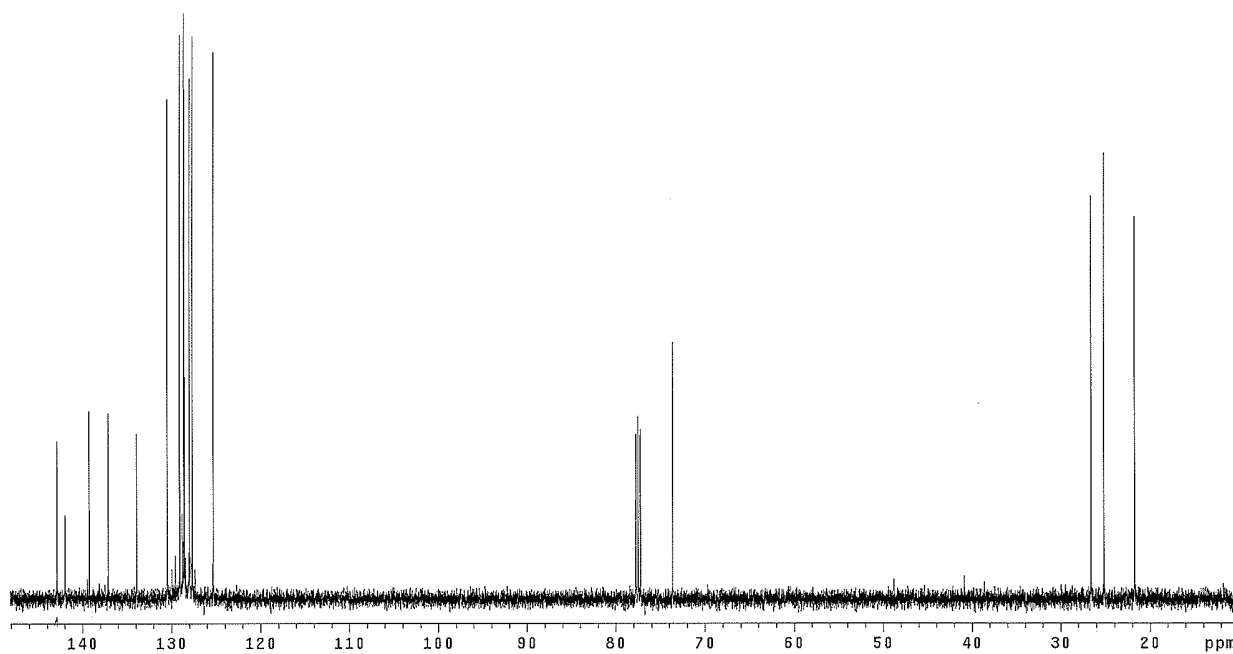
Figure S14. ¹H NMR spectrum of compound **8**.

Figure S15. ¹³C NMR spectrum of compound **8**.
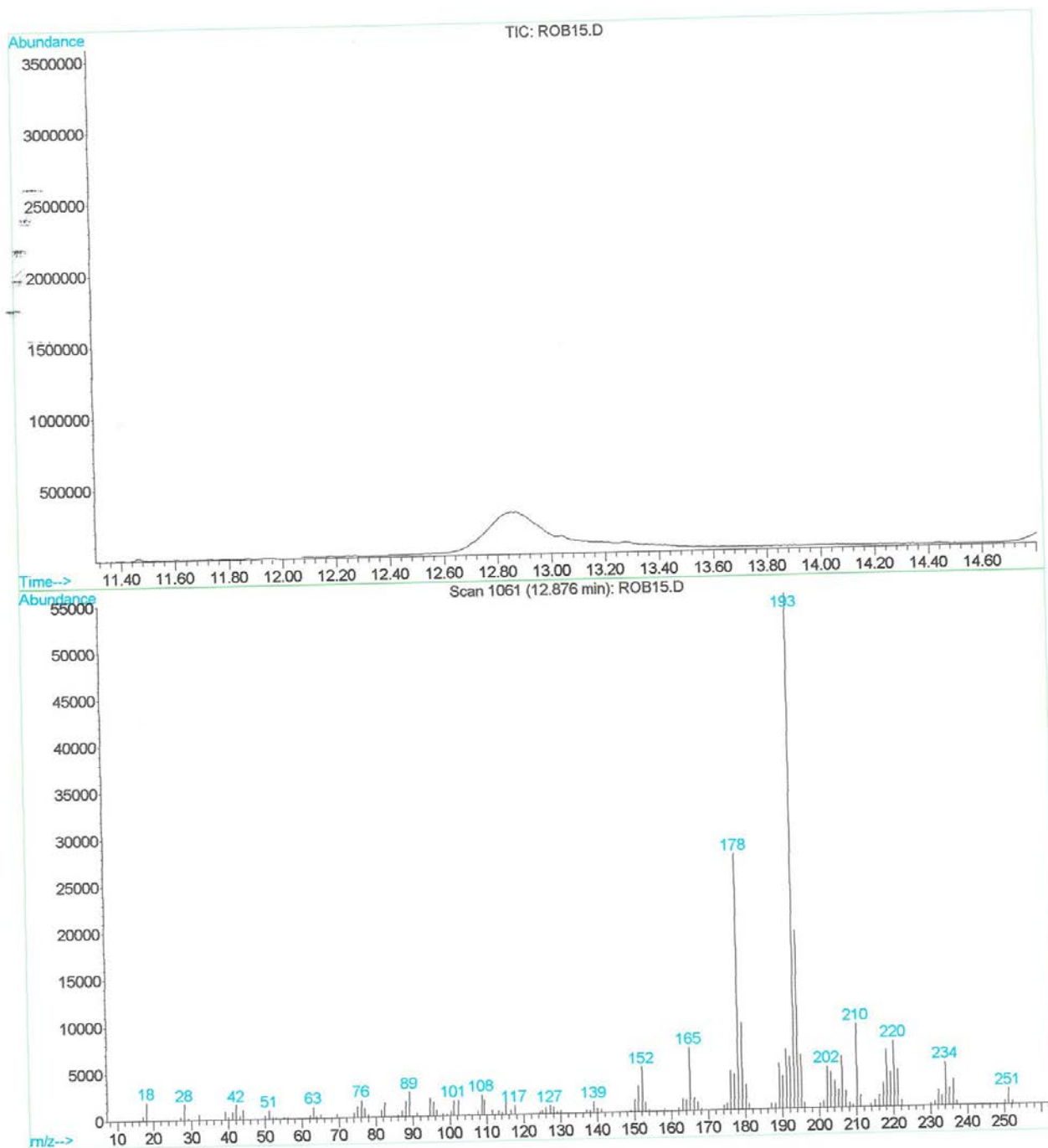
Figure S16. GC-MS analysis of compound **8**, GC trace (top) MS(EI) spectrum (bottom).
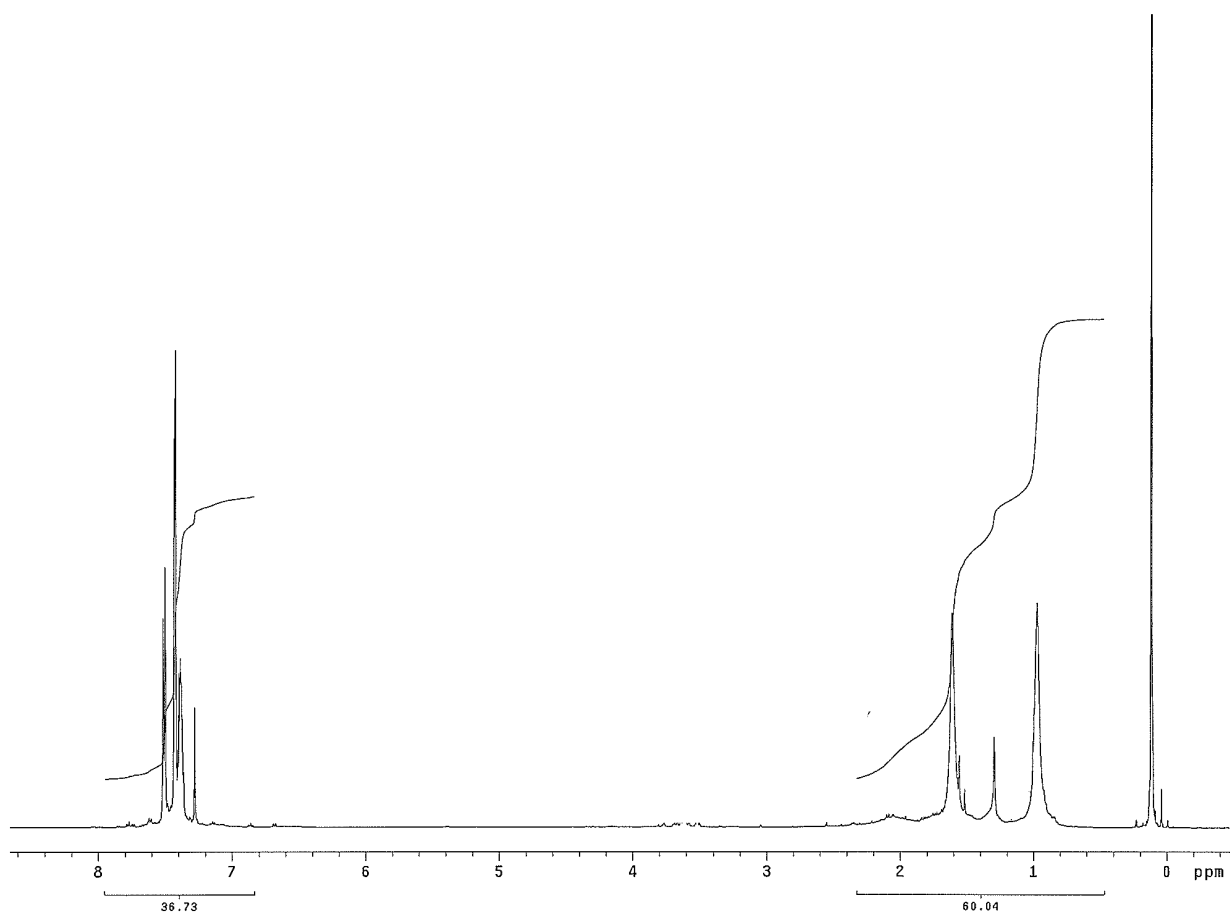
Figure S17. ^{1}H NMR spectrum of compound **2**.

Figure S18. ^{13}C NMR spectrum of compound **2**.

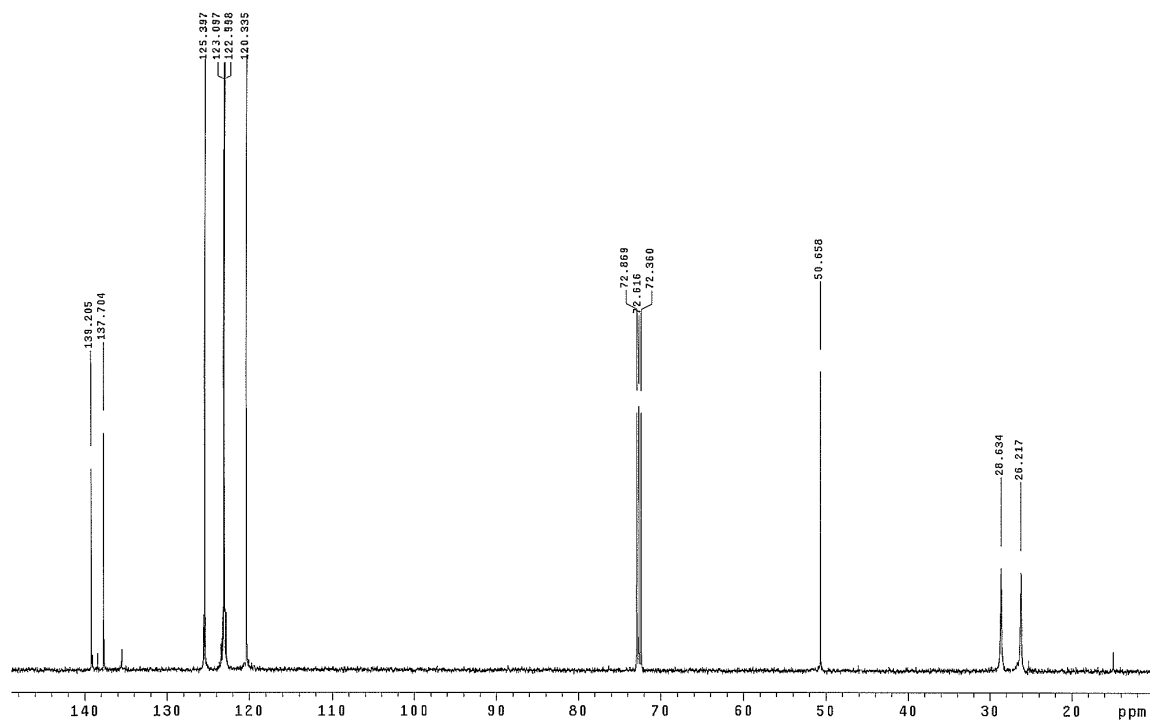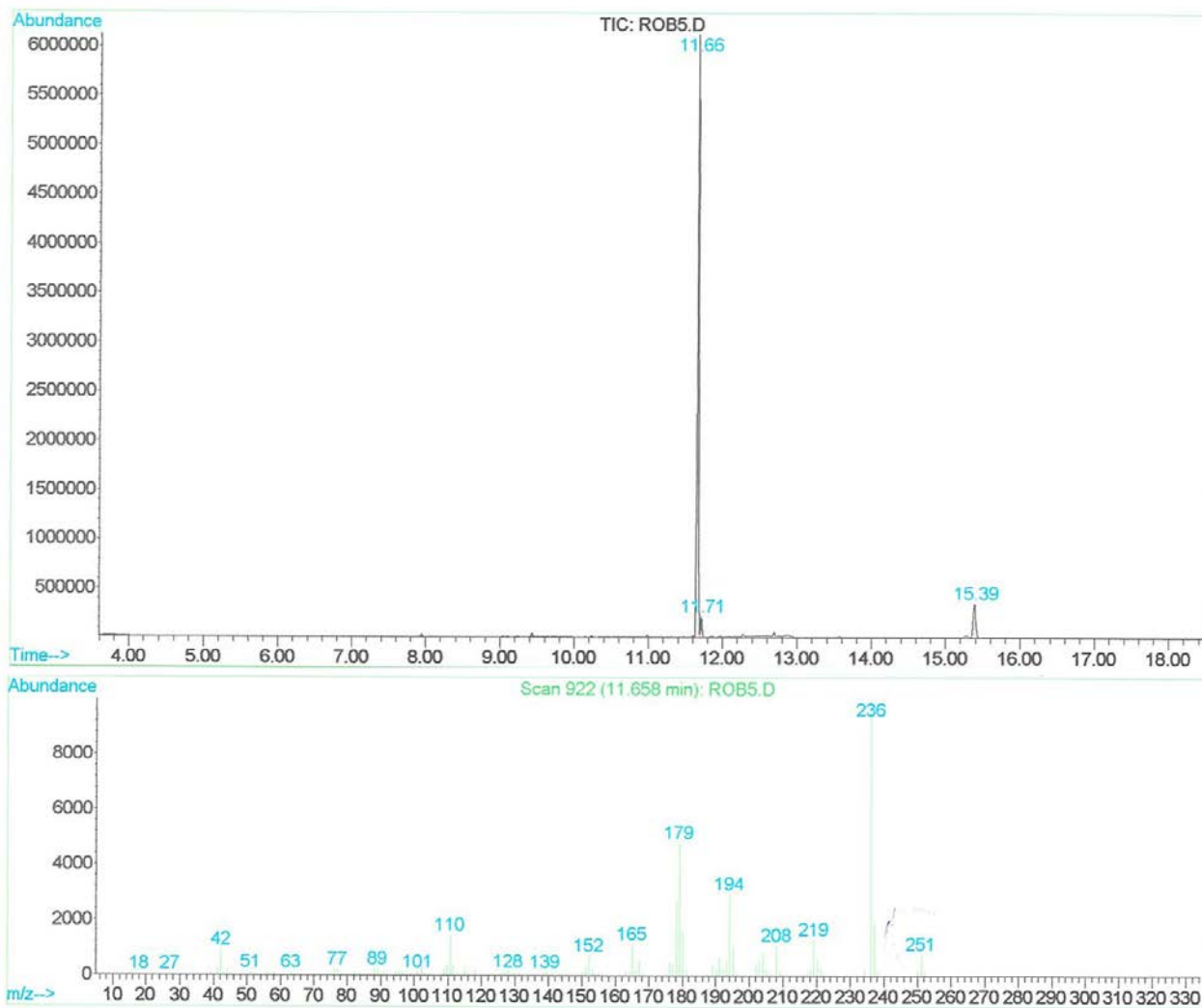**Figure S19.** GC-MS analysis of compound **2**, GC trace (top) MS(EI) spectrum (bottom).