

## Supporting Information

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### A New Benzophenone from *Garcinia benthamiana*

Irene See<sup>1</sup>, Gwendoline Cheng Lian Ee<sup>1\*</sup>, Soek Sin Teh<sup>1</sup>, Siau Hui Mah<sup>2</sup>,  
Roghayeh Abedi Karjiban<sup>1</sup>, Shaari Daud<sup>1,3</sup> and Vivien Yi Mian Jong<sup>4</sup>

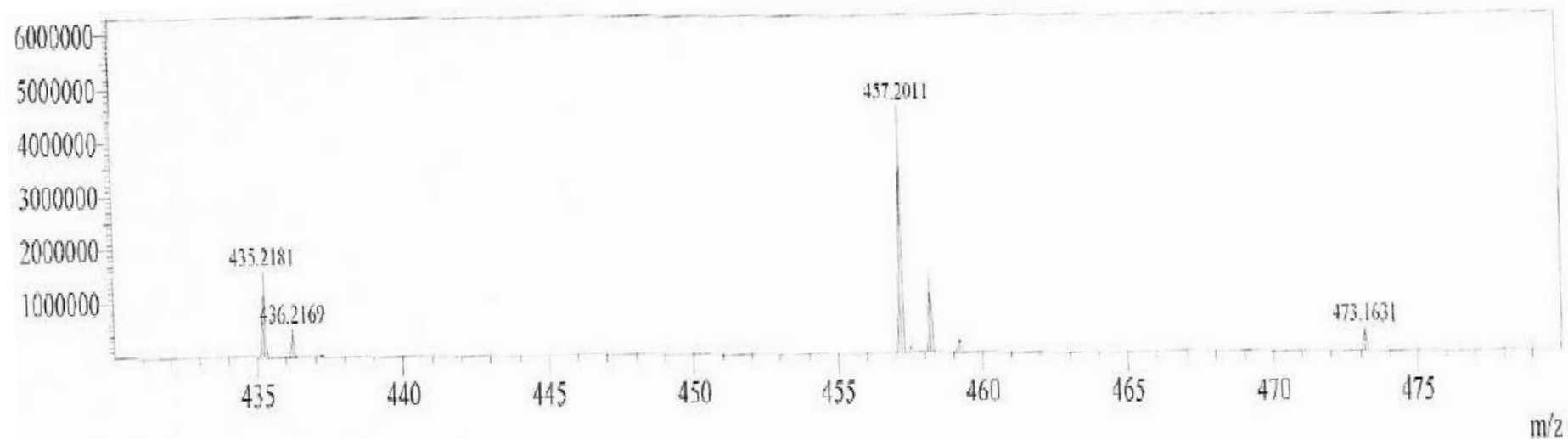
<sup>1</sup>*Department of Chemistry, Faculty of Science, Universiti Putra Malaysia, 43400 UPM  
Serdang, Selangor, Malaysia*

<sup>2</sup>*School of Biosciences, Taylor's University, Lakeside Campus, 47500 Subang Jaya, Selangor,  
Malaysia*

<sup>3</sup>*Department of Chemistry, Faculty of Applied Sciences, Universiti Teknologi MARA, 26400  
Jengka, Pahang, Malaysia*

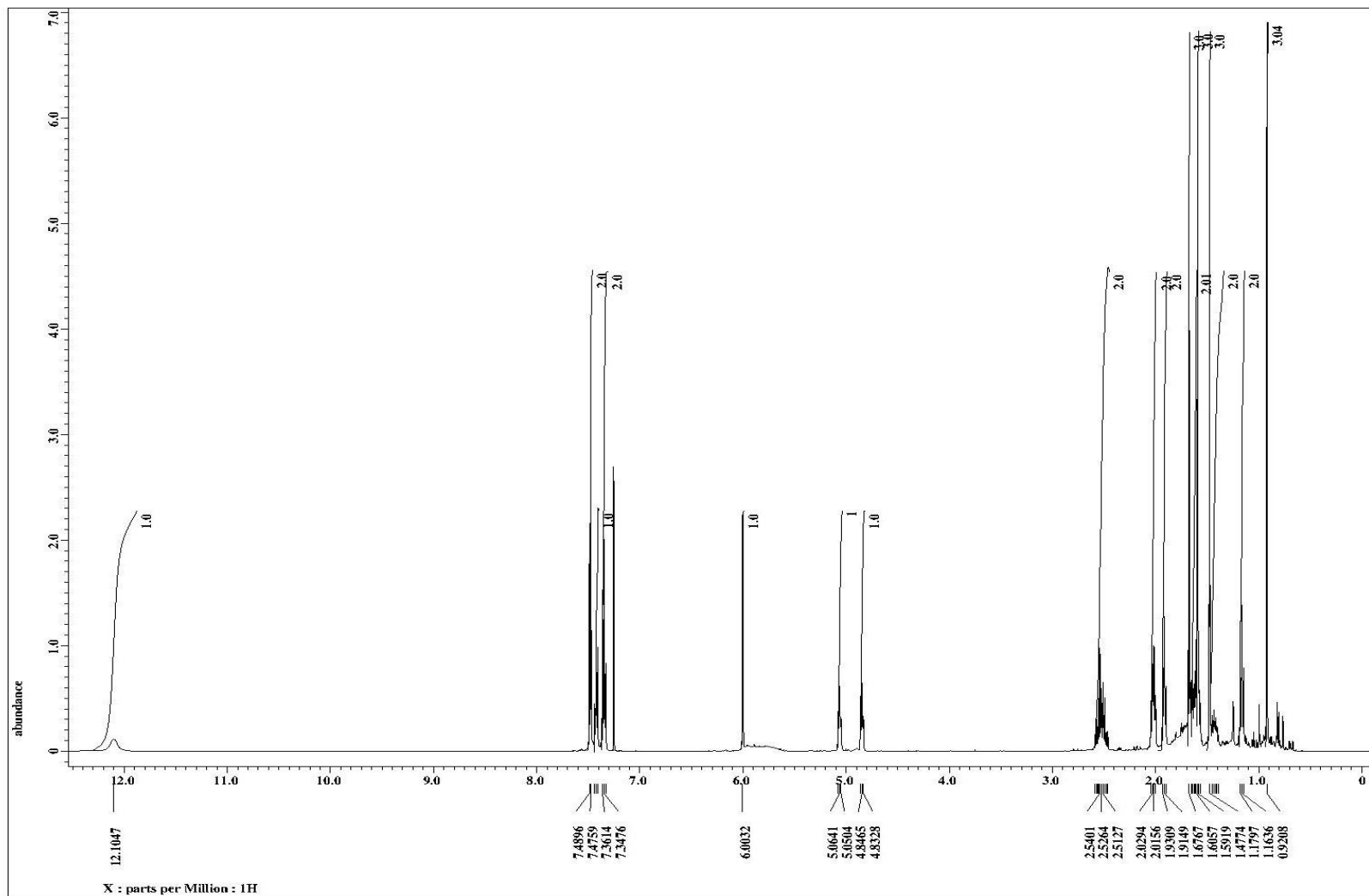
<sup>4</sup>*Centre of Applied Science Studies, Universiti Teknologi MARA, 94300, Kuching, Sarawak,  
Malaysia*

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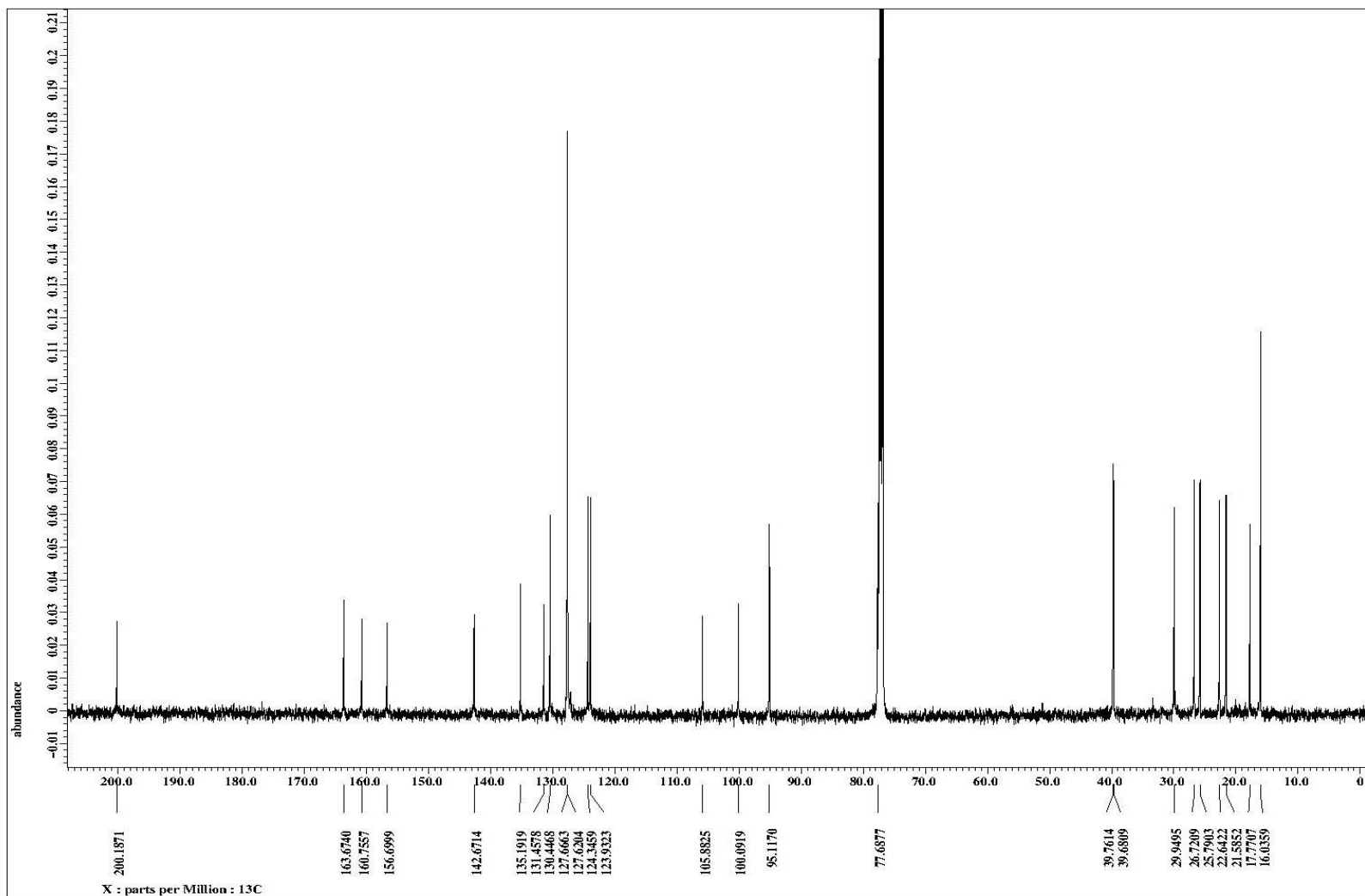


**S1: HRESI-MS Spectrum of Compound 1 (benthamianone)**

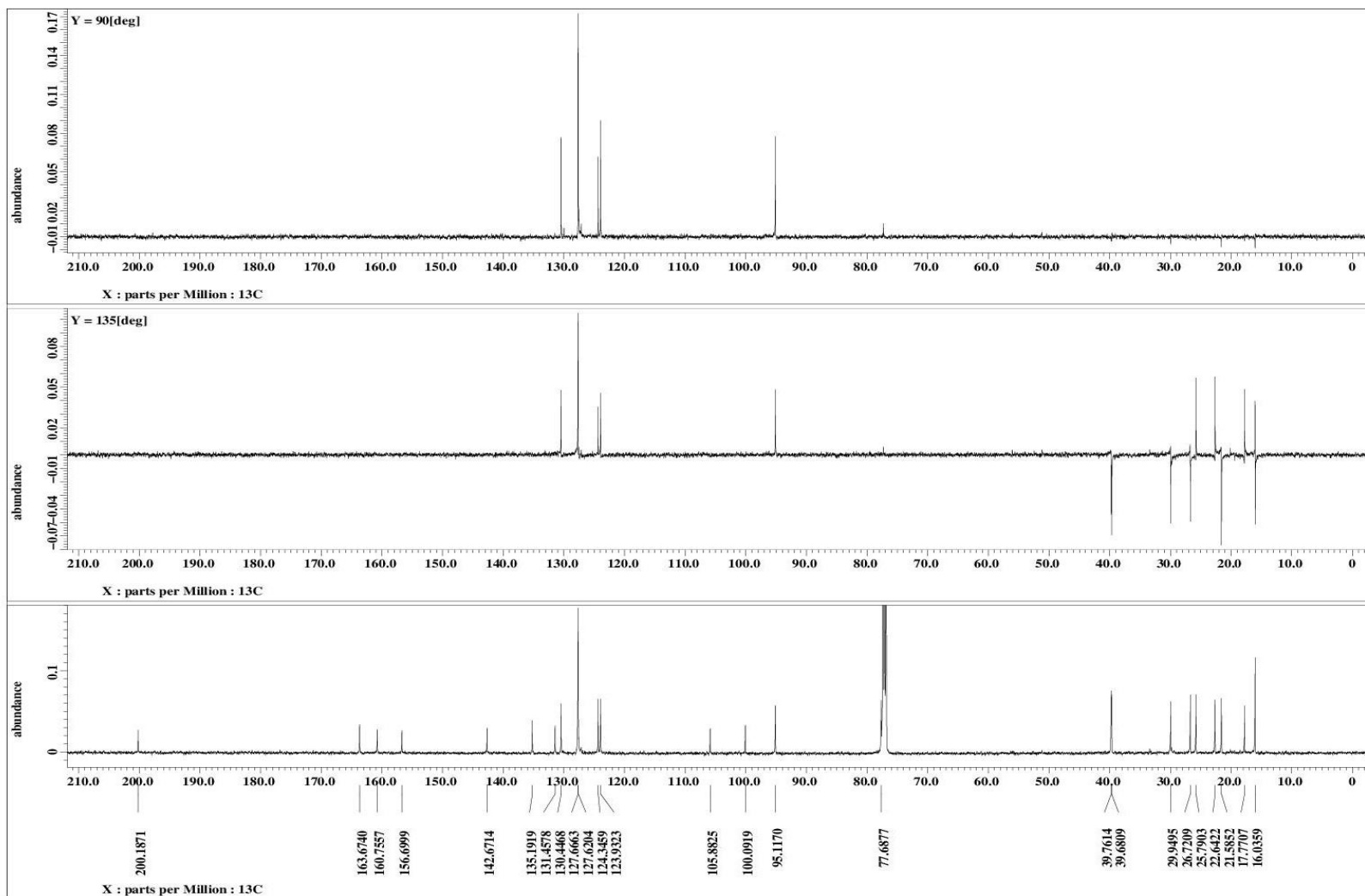
*Benthamianone* (**1**): Yellow gum.  $^1\text{H}$  NMR (500 MHz,  $\text{CDCl}_3$ ),  $\delta$ : 0.92 (3H, s, H-15"), 1.16 (2H, t, H-4"), 1.42 (2H, quin, H-5"), 1.48 (3H, s, H-14"), 1.59 (3H, s, H-13"), 1.62 (2H, m, H-2"), 1.68 (3H, s, H-12"), 1.92 (2H, t, H-8"), 2.02 (2H, q, H-9"), 2.53 (2H, m, H-1"), 4.85 (1H, t, H-6"), 5.06 (1H, t, H-10"), 6.00 (1H, s, H-3), 7.35 (2H, t, H-3'/5'), 7.42 (1H, t, H-4'), 7.48 (2H, br d, H-2'/6'), 12.10 (1H, s, 2-OH).  $^{13}\text{C}$  NMR (125MHz,  $\text{CDCl}_3$ ),  $\delta$ : 16.0 (C-1"/14"), 17.8 (C-13"), 21.6 (C-5"), 22.6 (C-15"), 25.8 (C-12"), 26.7 (C-9"), 29.9 (C-2"), 39.7 (C-8"), 39.8 (C-4"), 77.7 (C-3"), 95.1 (C-3), 100.1 (C-5), 105.9 (C-1), 123.9 (C-6"), 124.3 (C-10"), 127.6 (C-2'/6'), 127.7 (C-3'/5'), 130.4 (C-4'), 131.5 (C-11"), 135.2 (C-7"), 142.7 (C-1'), 156.7 (C-4), 160.8 (C-6), 163.7 (C-2), 200.2 (C-7). EIMS:  $m/z$  434 [ $\text{M}^+$ ] and HRESIMS:  $m/z$  435.2181 [ $\text{M}+\text{H}]^+$  for formula  $\text{C}_{28}\text{H}_{34}\text{O}_4$ .



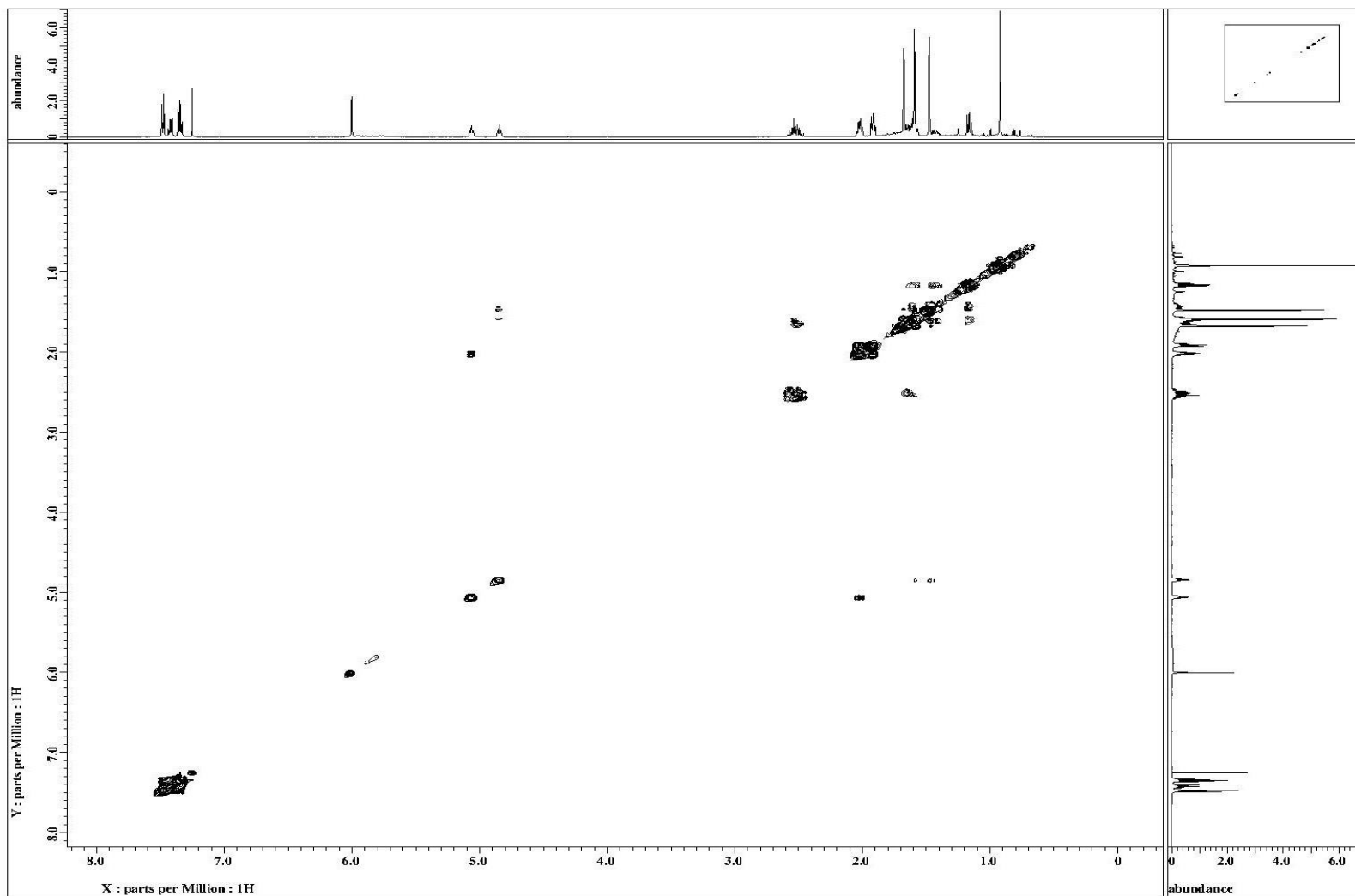
S2:  $^1\text{H-NMR}$  (500 MHz,  $\text{CDCl}_3$ ) Spectrum of Compound **1** (benthamianone)



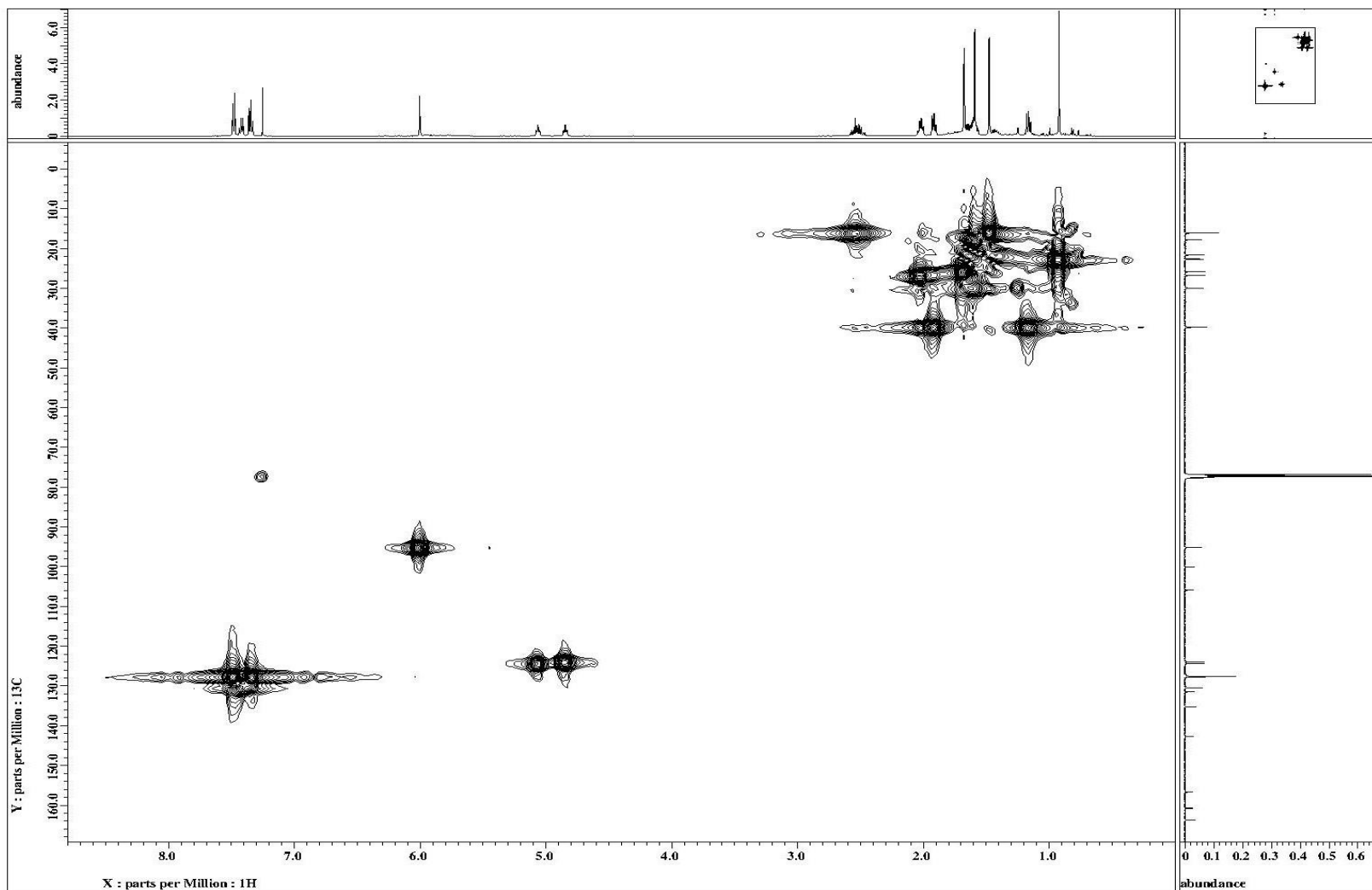
**S3:**  $^{13}\text{C}$ -NMR (125 MHz,  $\text{CDCl}_3$ ) Spectrum of Compound **1** (benthamianone)



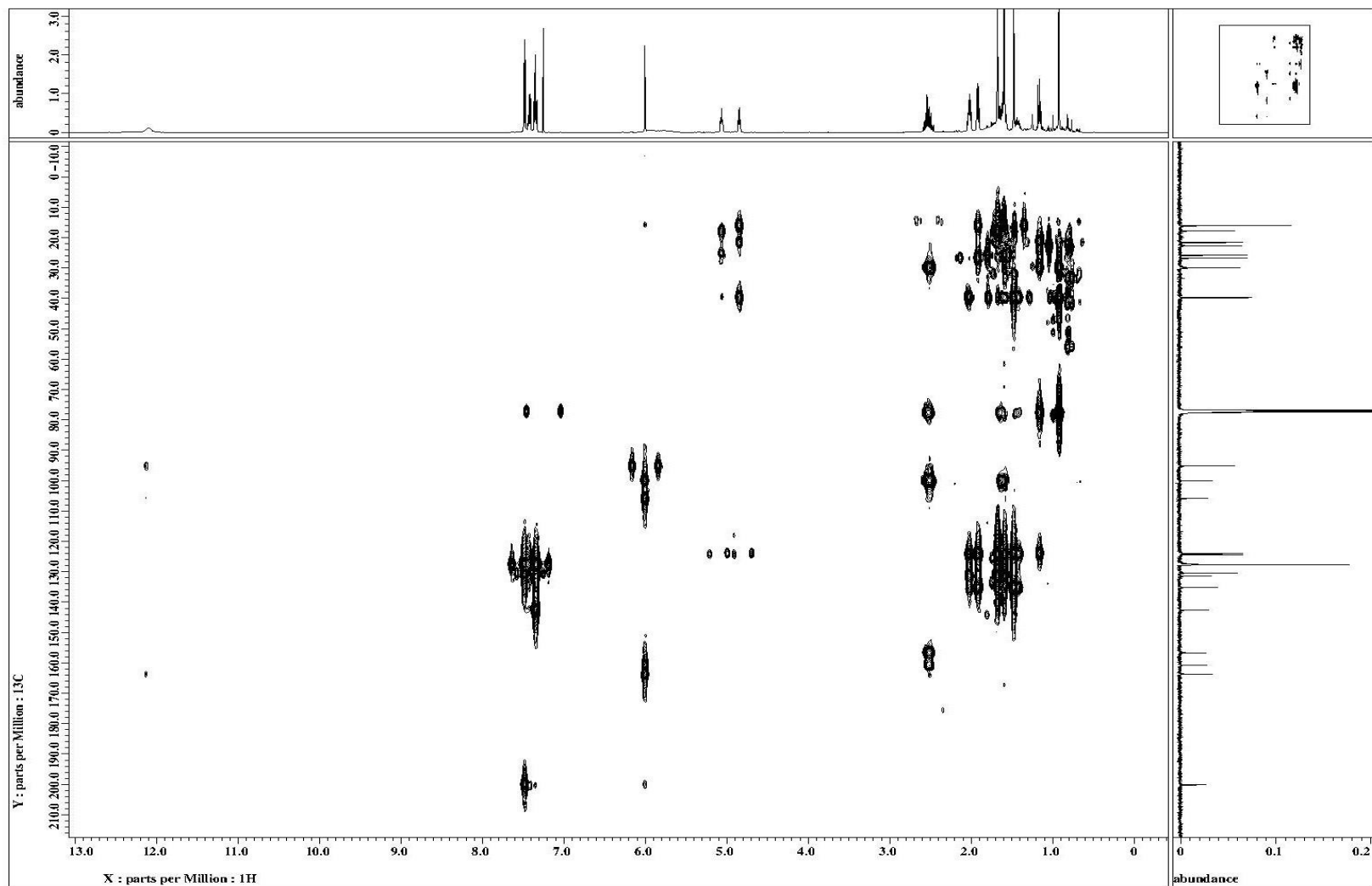
S4: DEPT Spectrum of Compound 1 (benthamianone)



**S5:** COSY (500 MHz) Spectrum of Compound **1** (benthamianone)



**S6:** HMQC (500 MHz) Spectrum of Compound **1** (benthamianone)



**S7:** HMBC (500 MHz) Spectrum of Compound **1** (benthamianone)