

## MATERIAL SUPLEMENTAR

### **Dois novos alcaloides azafenantreno de *Anaxagorea dolichocarpa* Sprague & Sandwith**

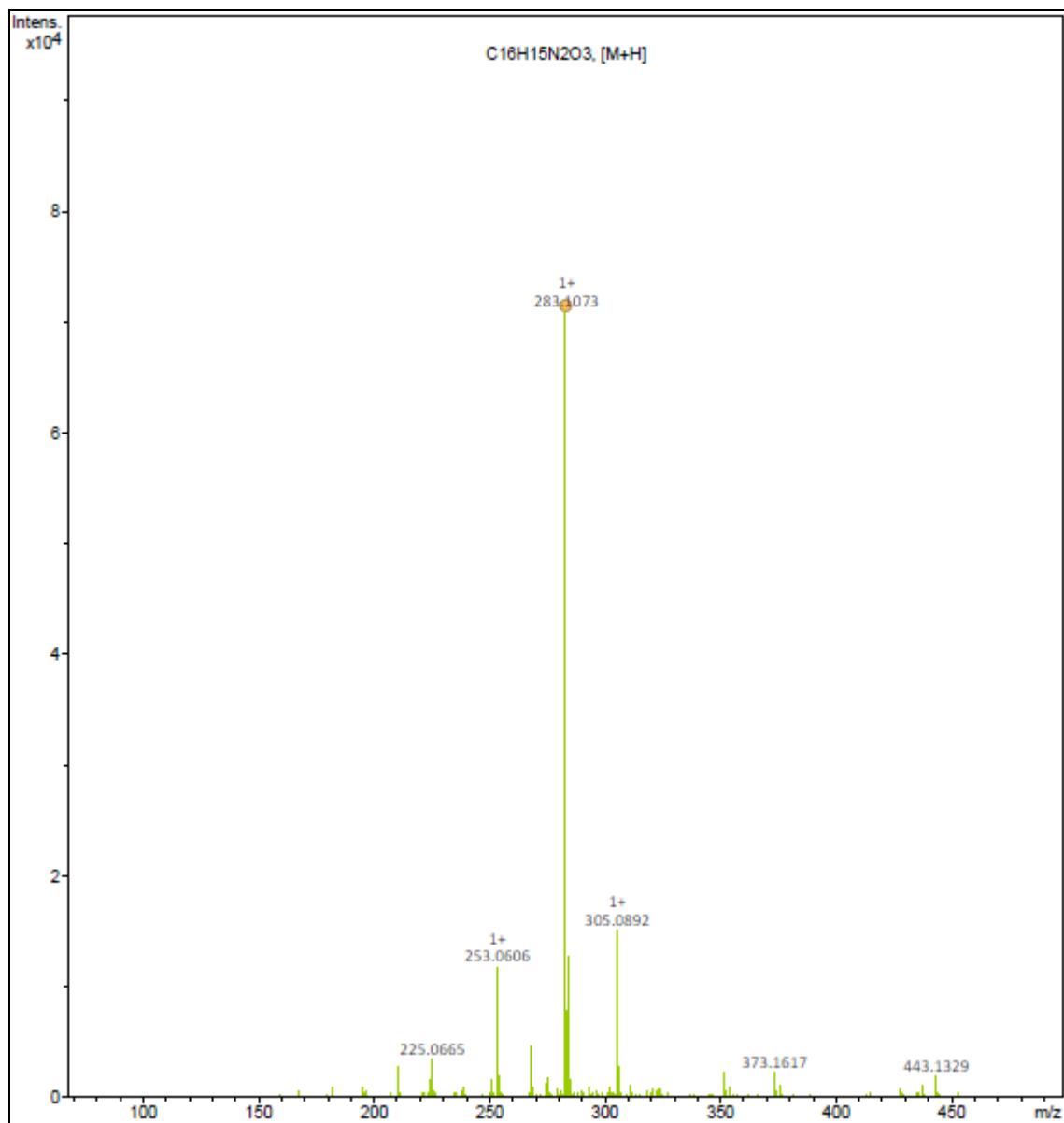
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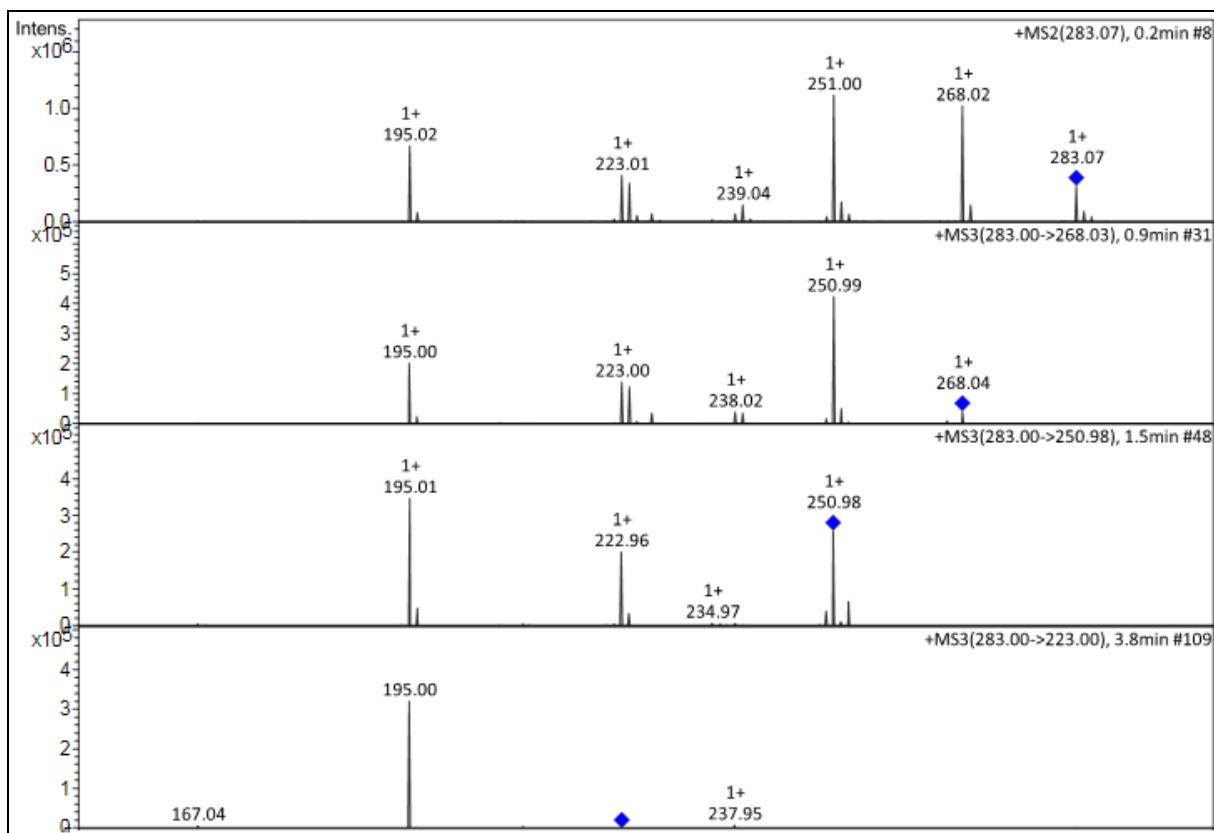
<sup>b</sup>Departamento de Biotecnologia, Universidade Federal da Paraíba, 58051-900 João Pessoa – PB, Brasil

<sup>c</sup>Departamento de Química, Instituto de Química, Universidade Federal Rural do Rio de Janeiro, 23890-000, Seropédica – RJ, Brasil

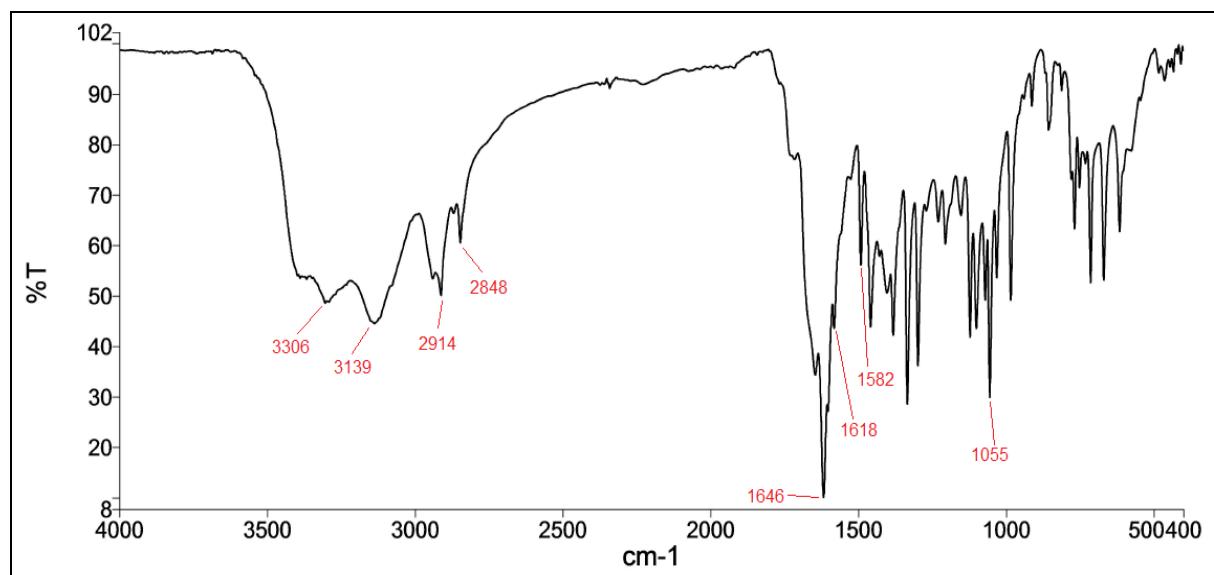
\*e-mail: josean@ltf.ufpb.br



**Figura 1S.** Espectro de EMAR-IES do composto **I**



**Figura 2S.** Espectro  $EM^n$  do composto I



**Figura 3S.** Espectro no IV ( $KBr, \text{cm}^{-1}$ ) do composto I

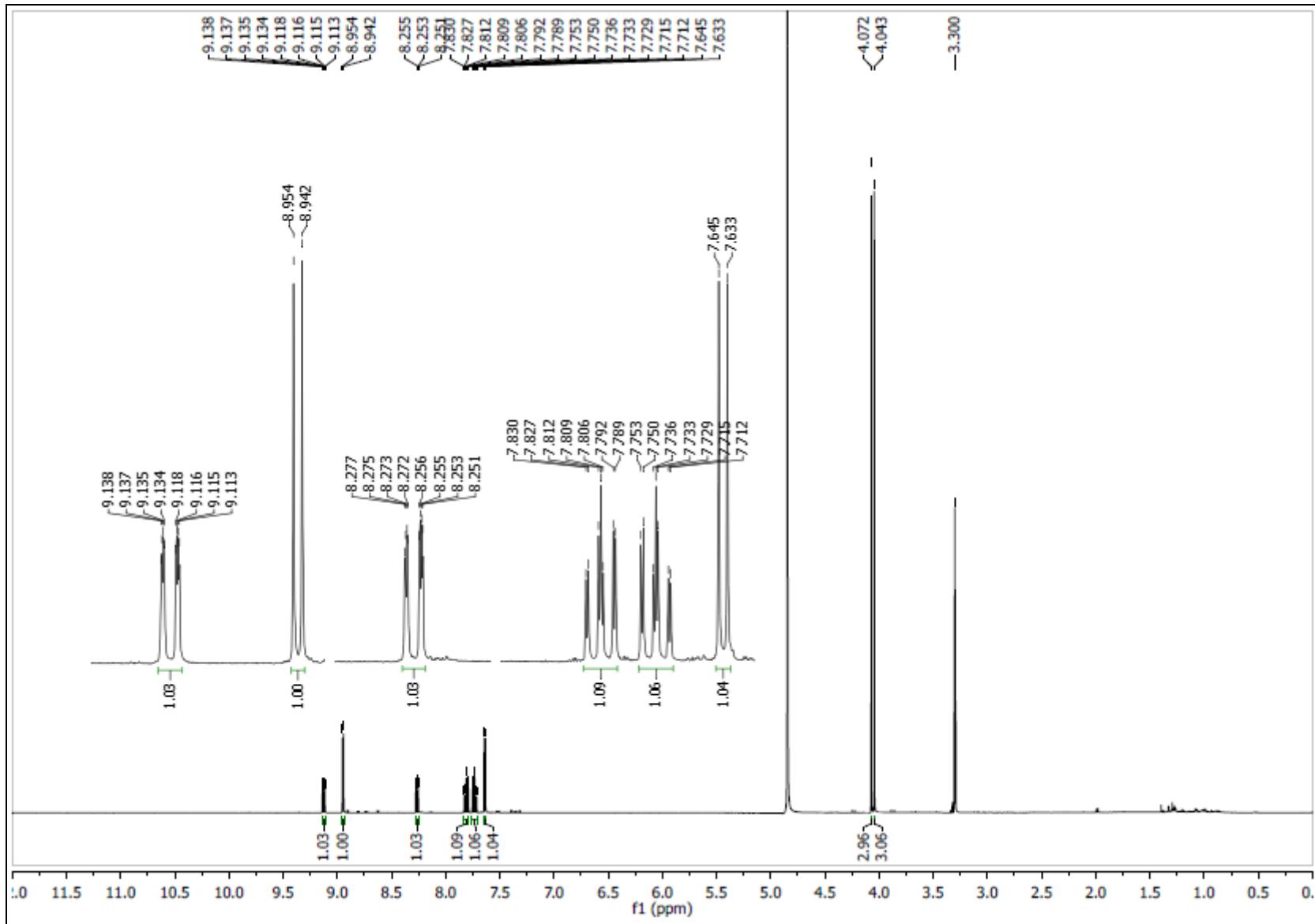


Figura 4S. Espectro de RMN de  $^1\text{H}$  (400 MHz,  $\text{CD}_3\text{OD}$ ) do composto 1

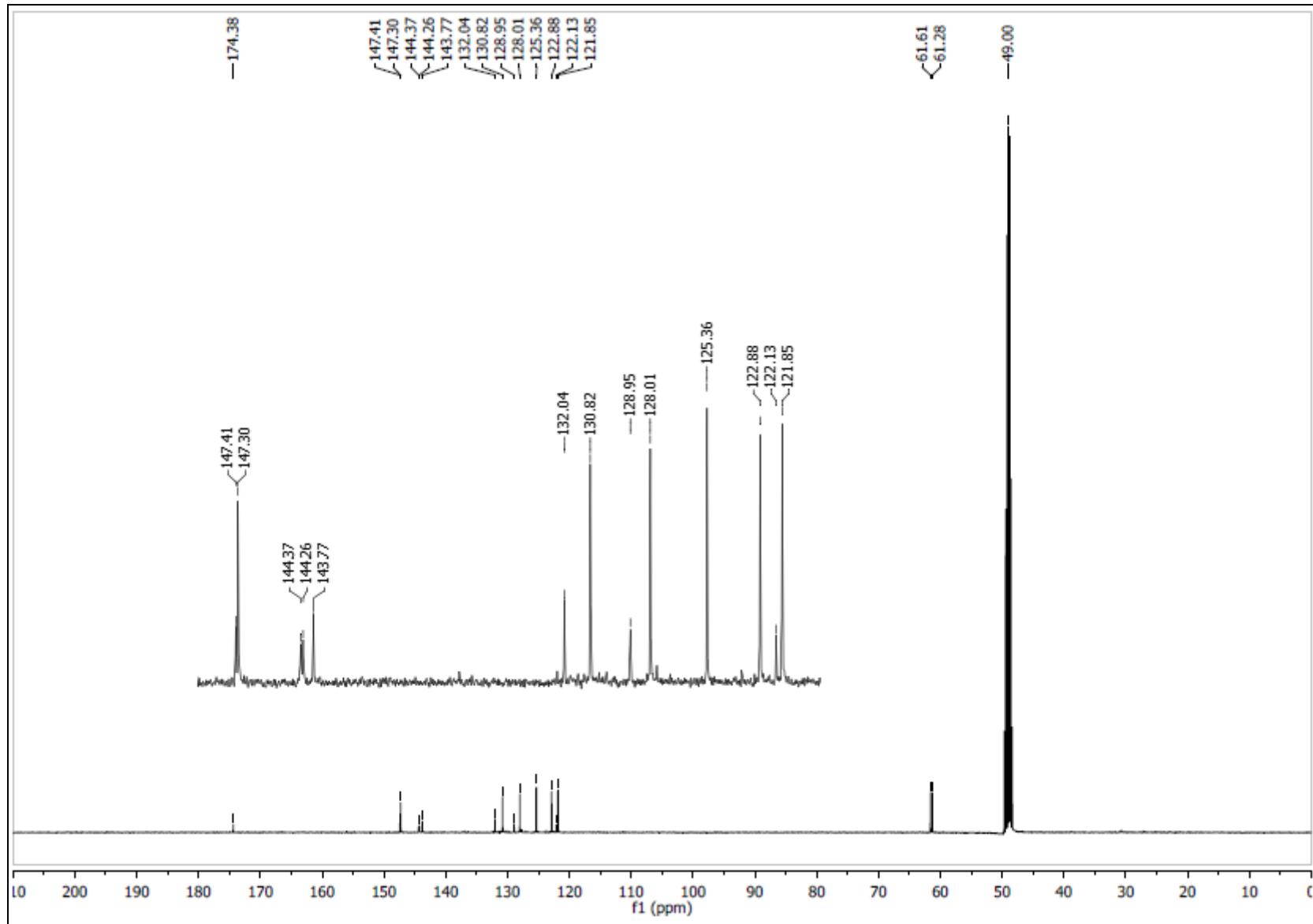


Figura 5S. Espectro de RMN de  $^{13}\text{C}$  (100 MHz, CD<sub>3</sub>OD) do composto I

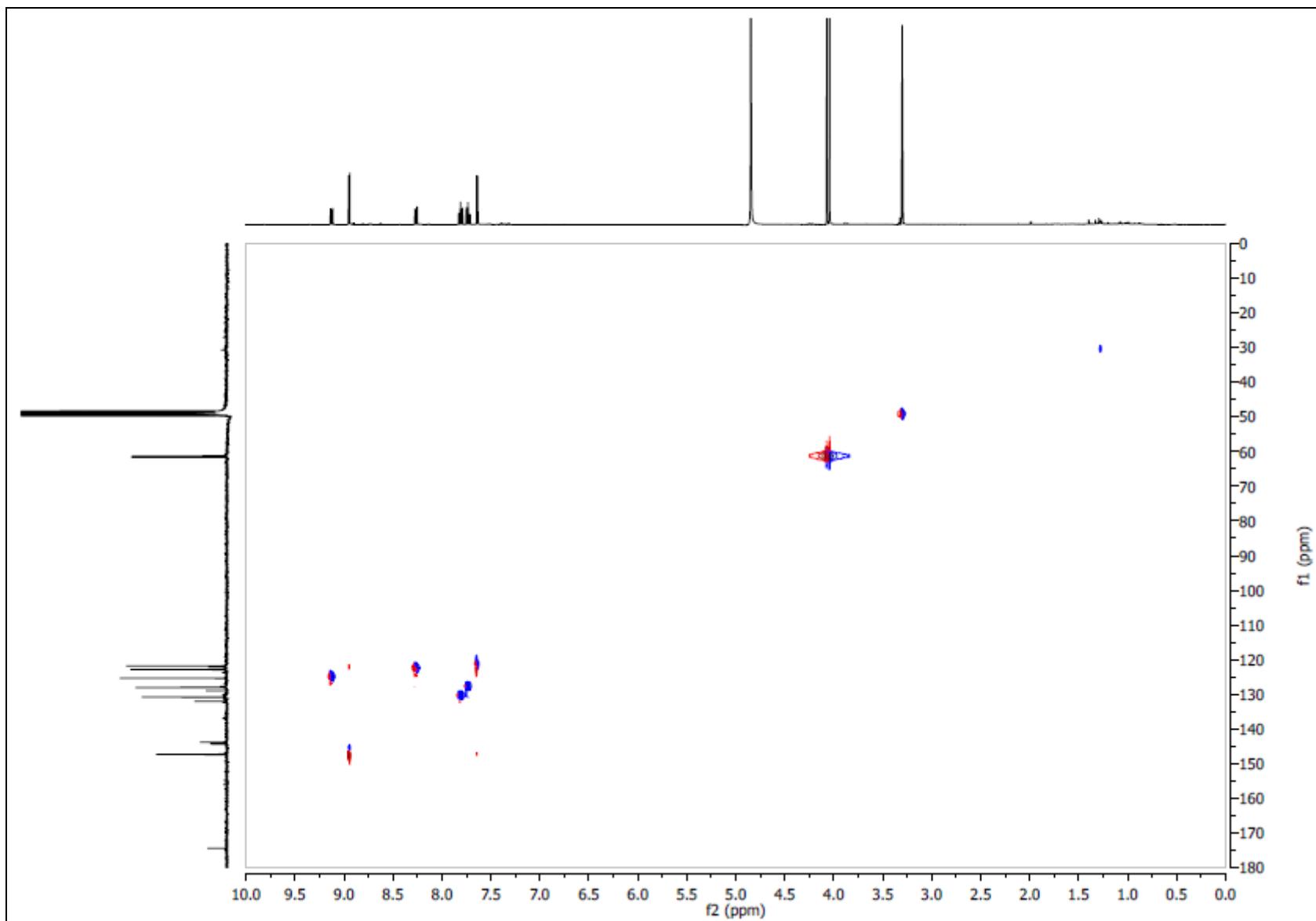


Figura 6S. Espectro HSQC (400 e 100 MHz,  $\text{CD}_3\text{OD}$ ) do composto 1

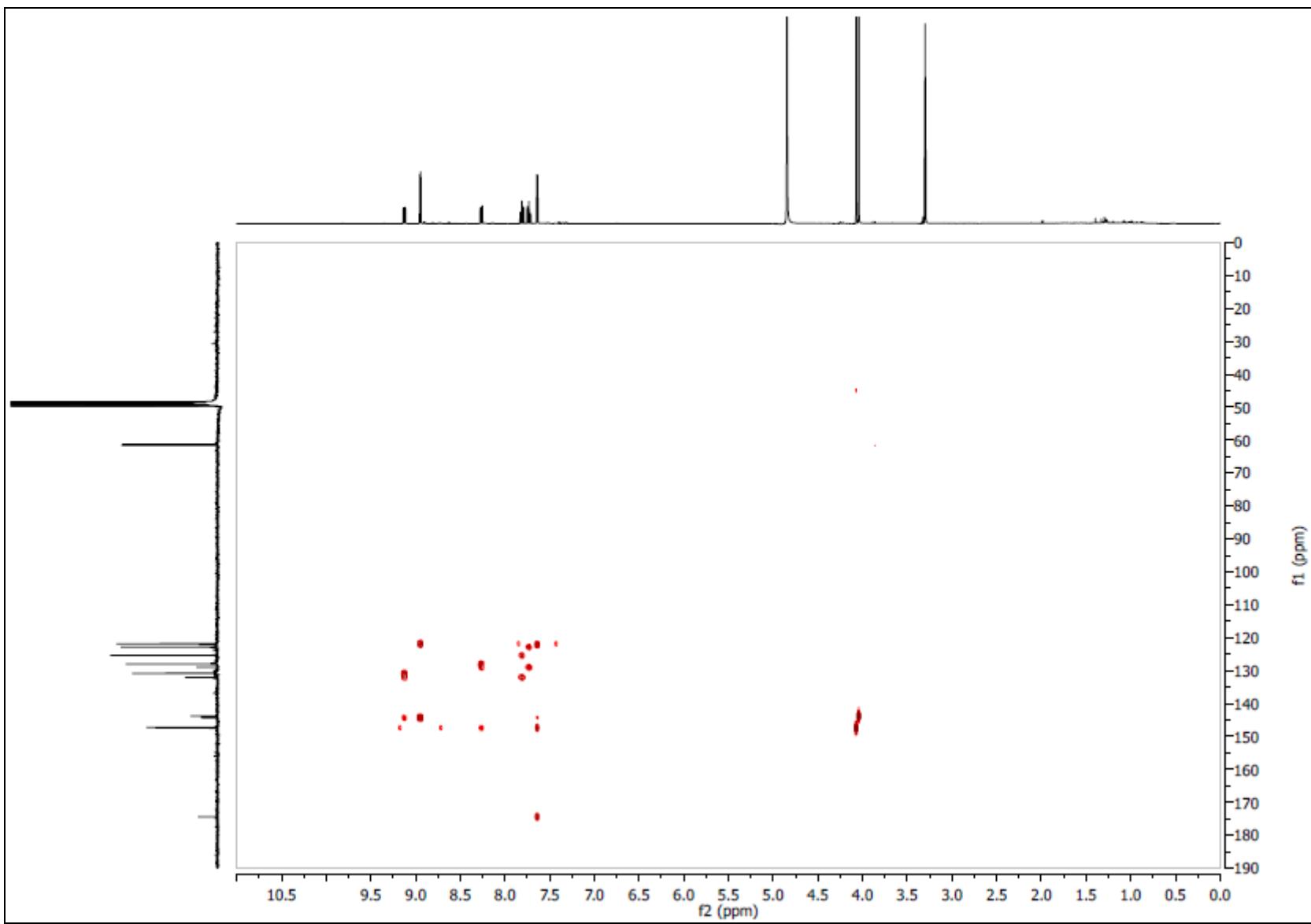


Figura 7S. Espectro HMBC (400 e 100 MHz, CD<sub>3</sub>OD) do composto **I**

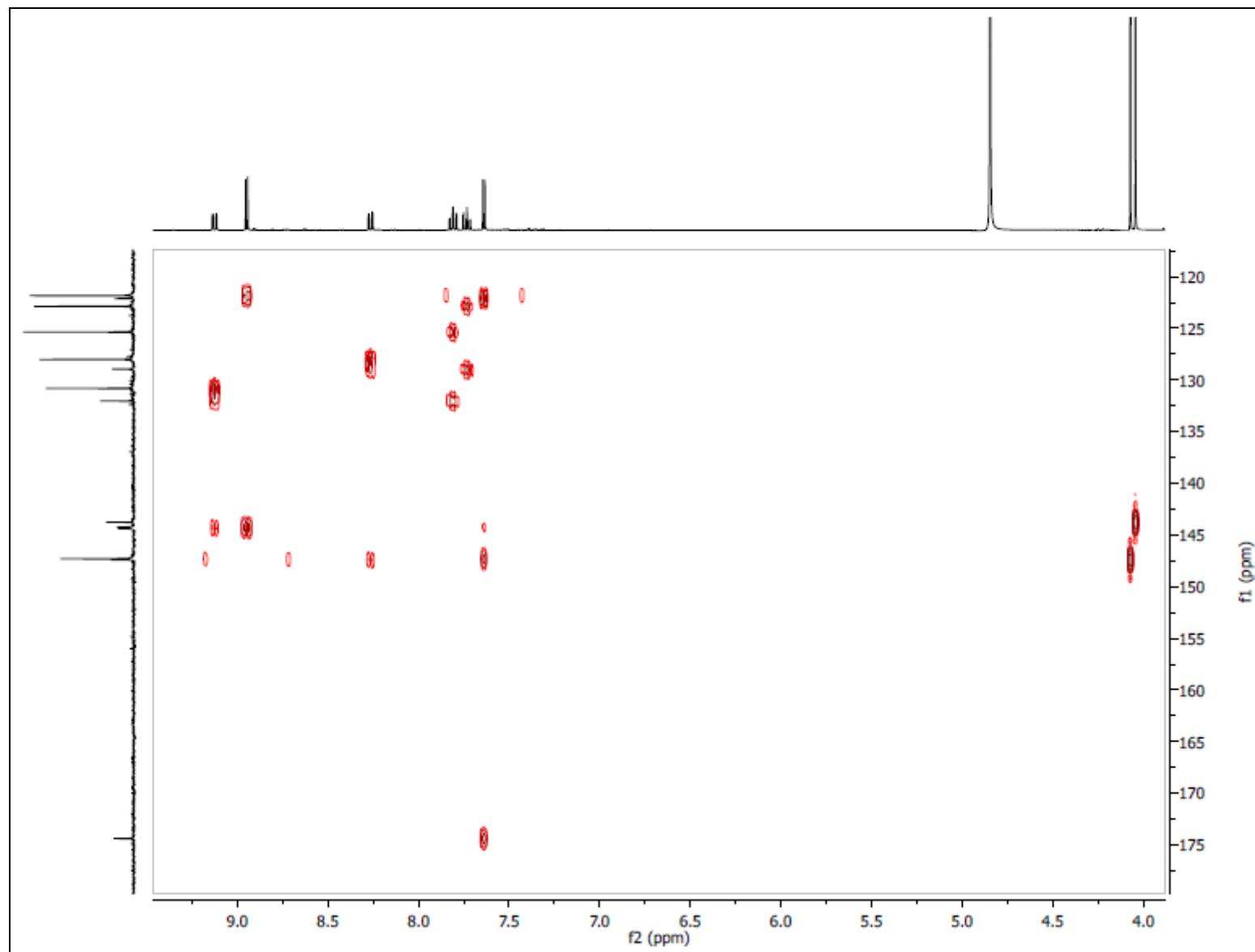


Figura 8S. Expansão do espectro HMBC (400 e 100 MHz,  $\text{CD}_3\text{OD}$ ) do composto 1

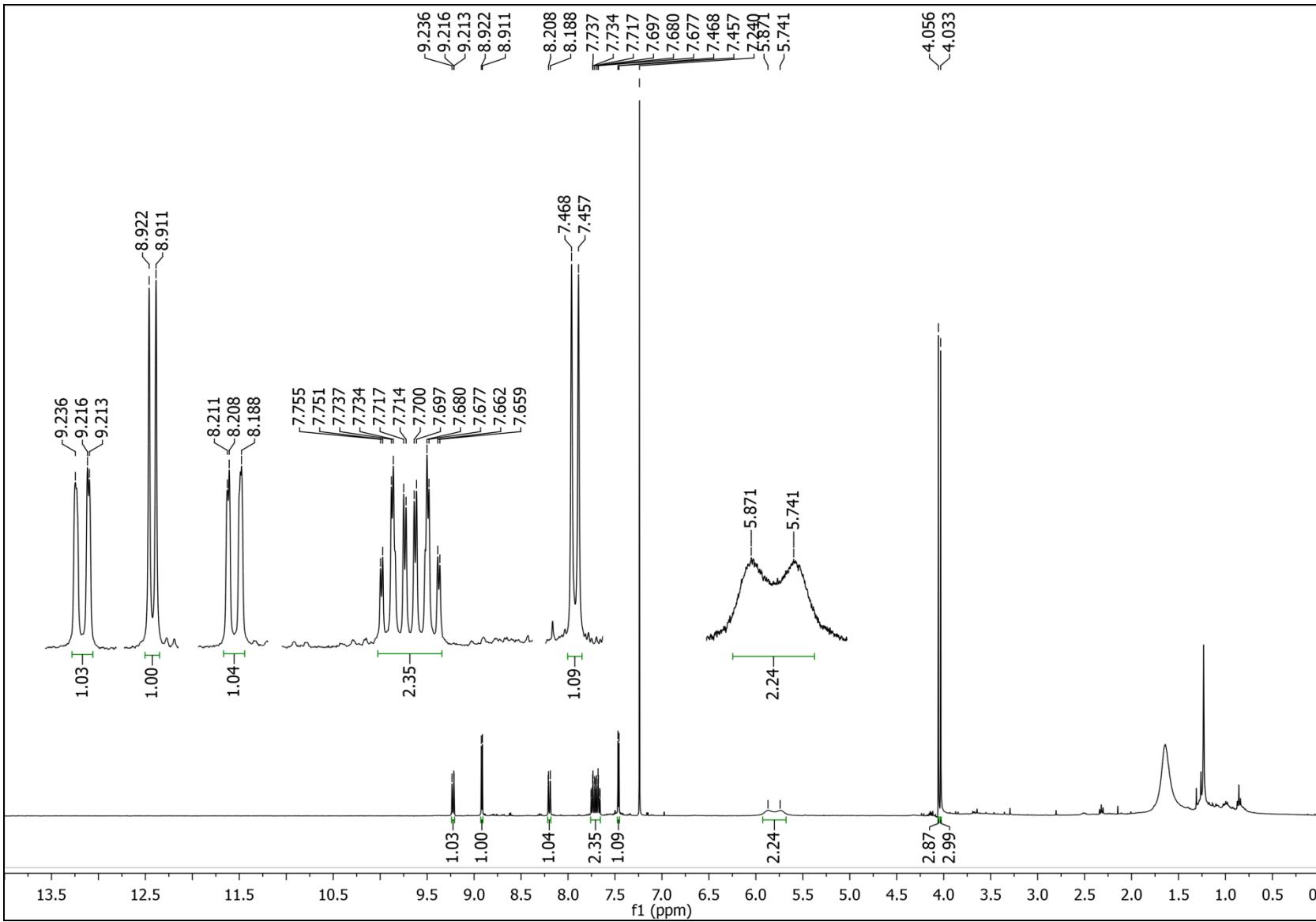


Figura 9S. Espectro de RMN de  $^1\text{H}$  (400 MHz,  $\text{CDCl}_3$ ) do composto I

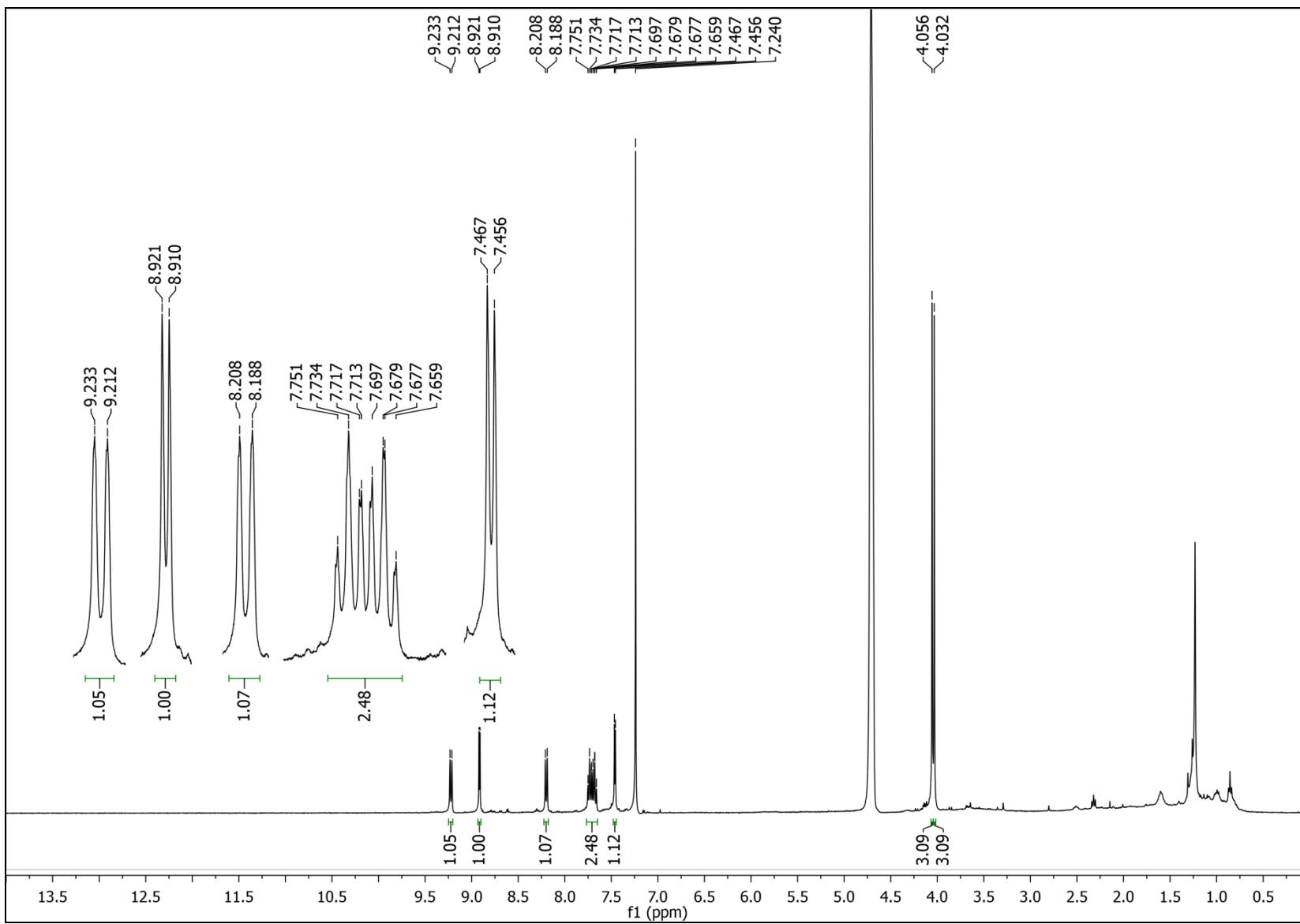


Figura 10S. Espectro de RMN de  $^1\text{H}$  (400 MHz,  $\text{CDCl}_3+\text{D}_2\text{O}$ ) do composto I

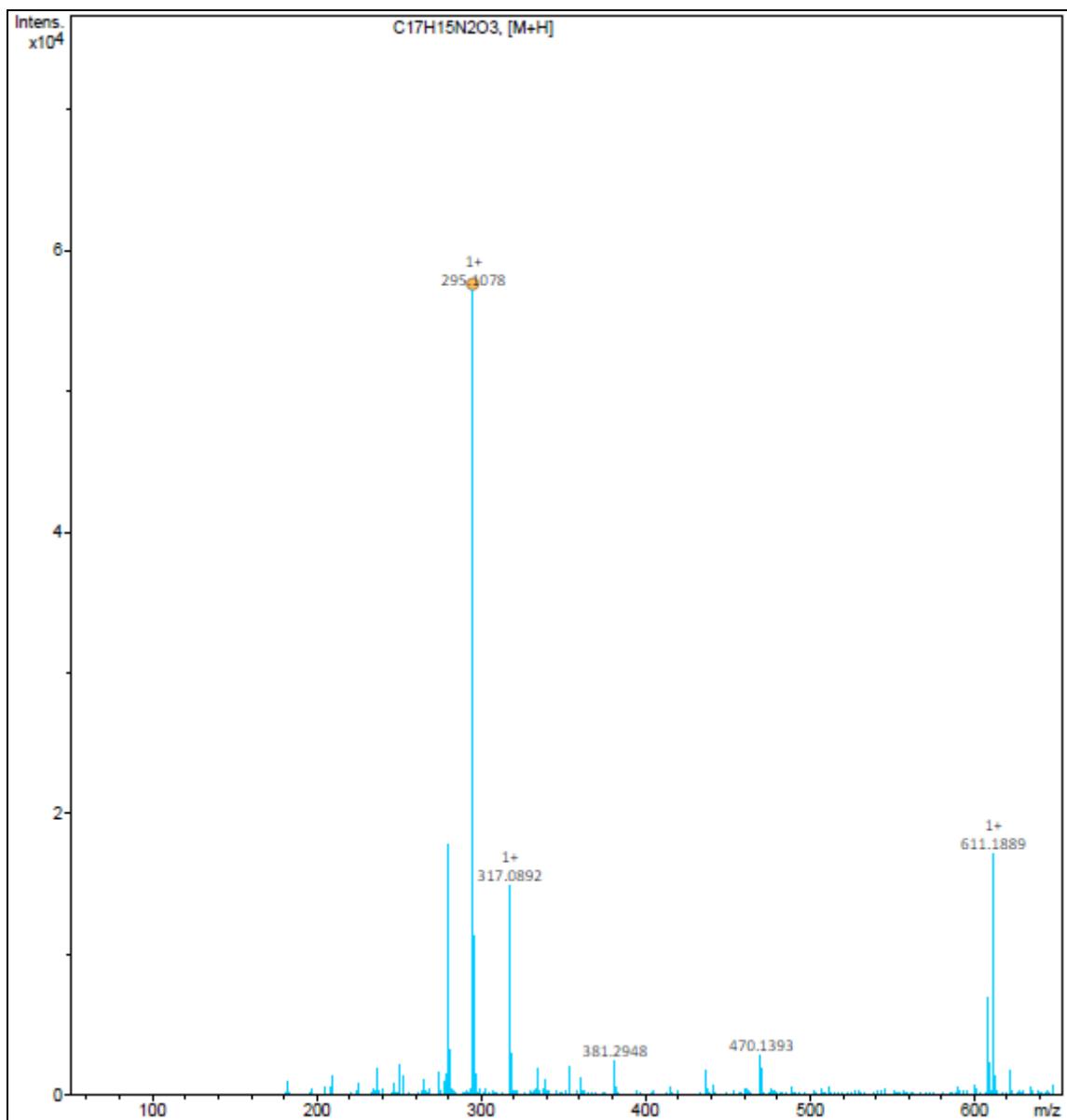


Figura 11S. Espectro de EMAR-IES do composto 2

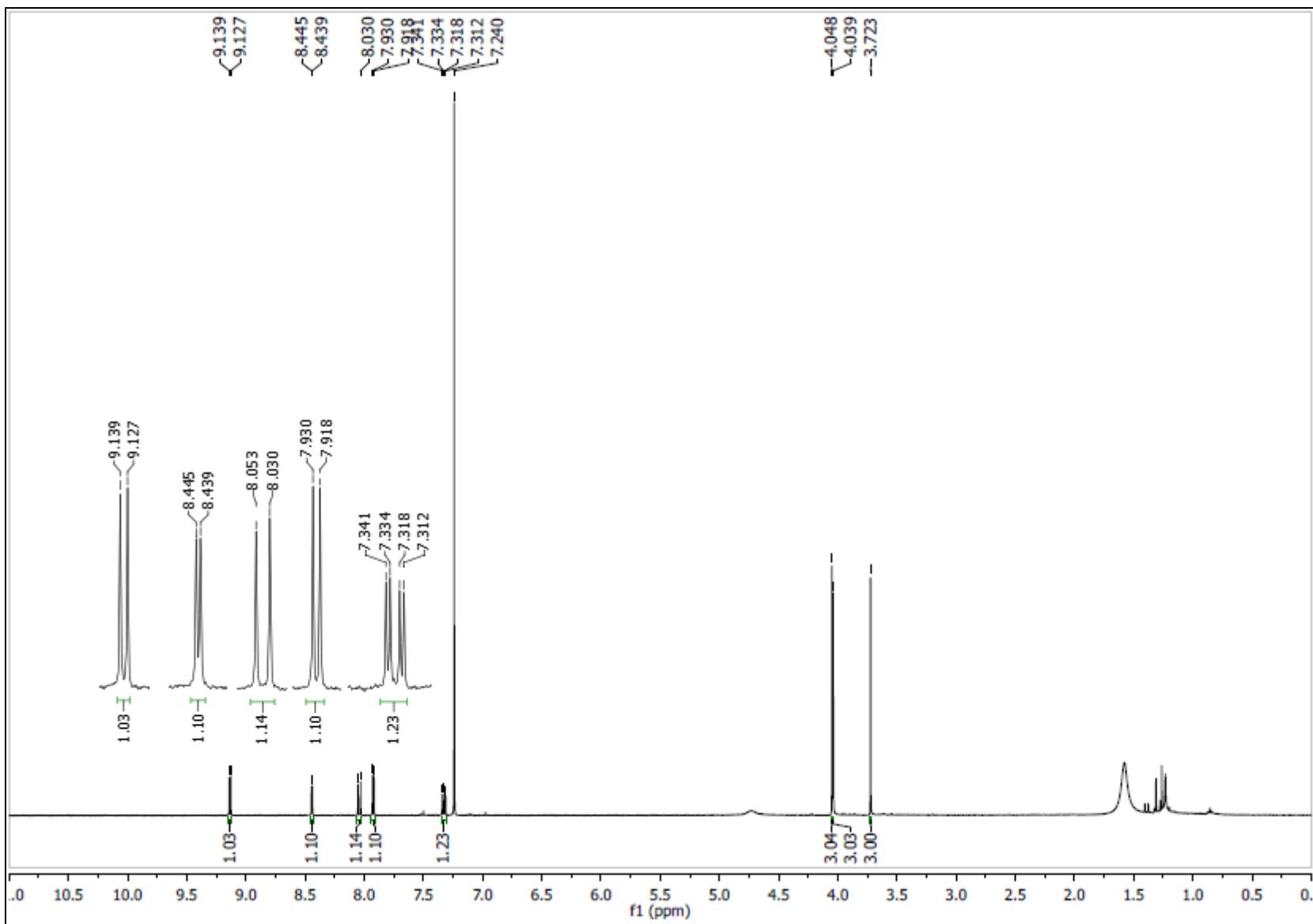


Figura 12S. Espectro de RMN de  $^1\text{H}$  (400 MHz,  $\text{CDCl}_3$ ) do composto 2

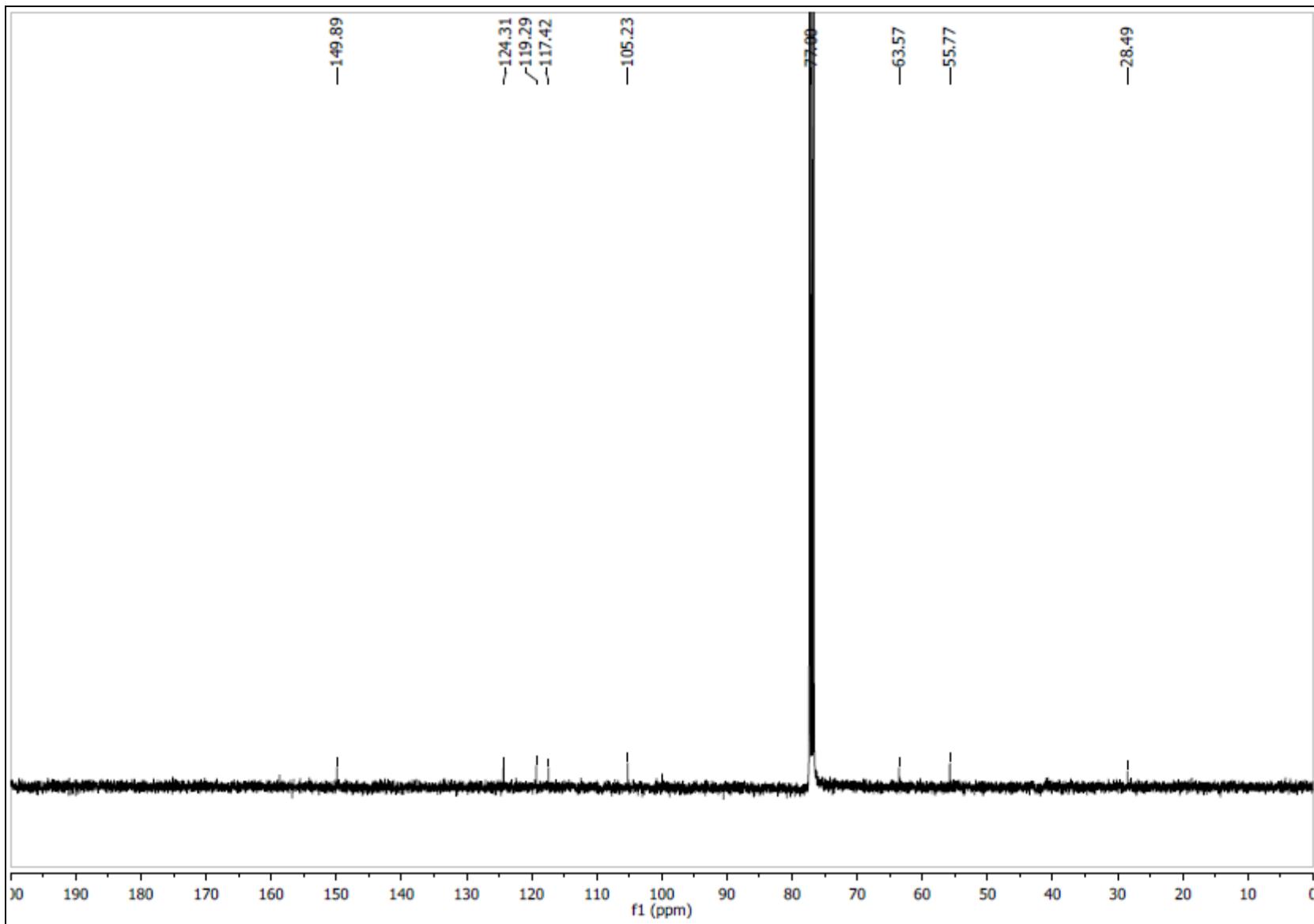
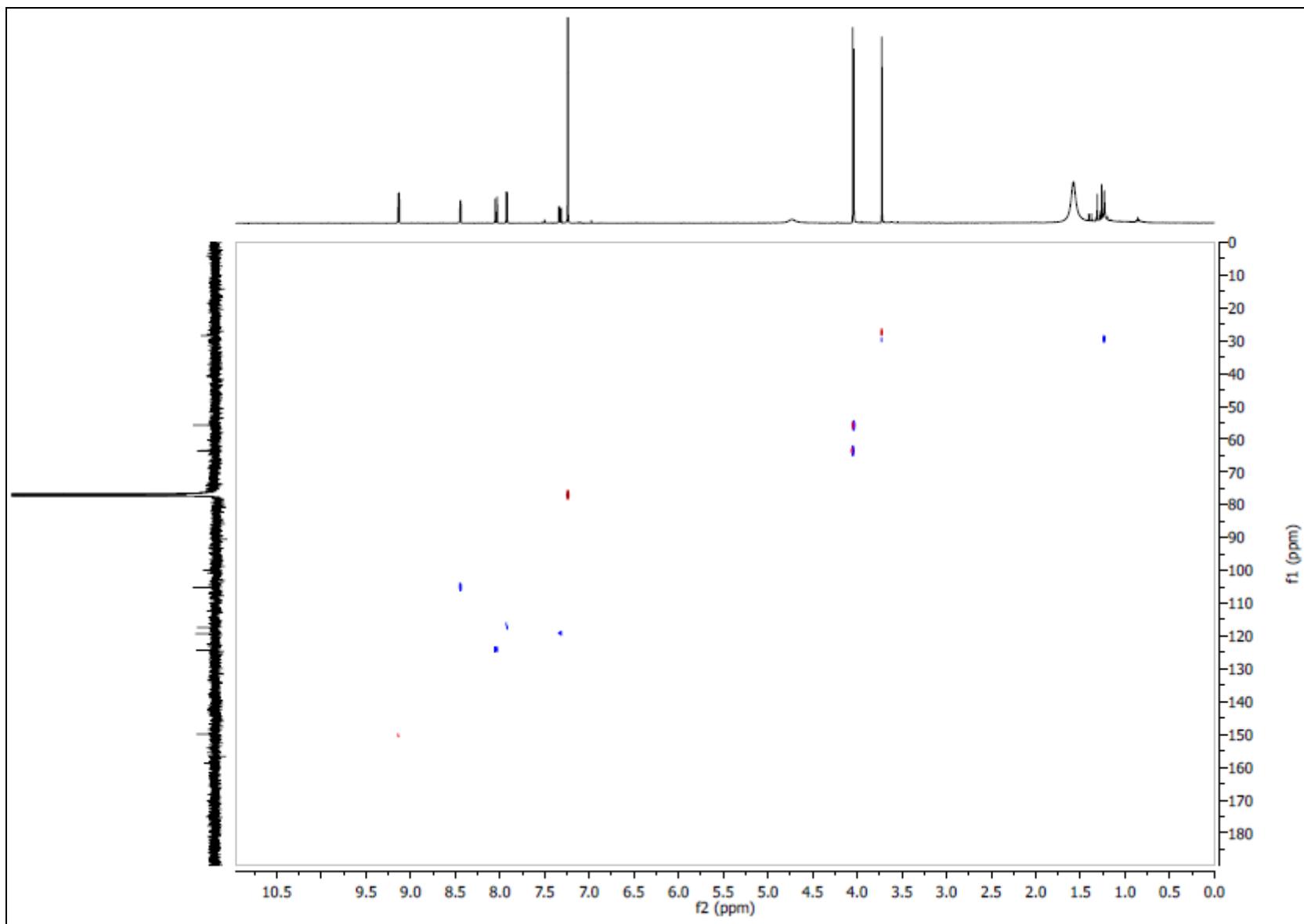


Figura 13S. Espectro de RMN de  $^{13}\text{C}$  (100 MHz,  $\text{CDCl}_3$ ) do composto 2



**Figura 14S.** Espectro HSQC (400 e 100 MHz,  $CDCl_3$ ) do composto 2

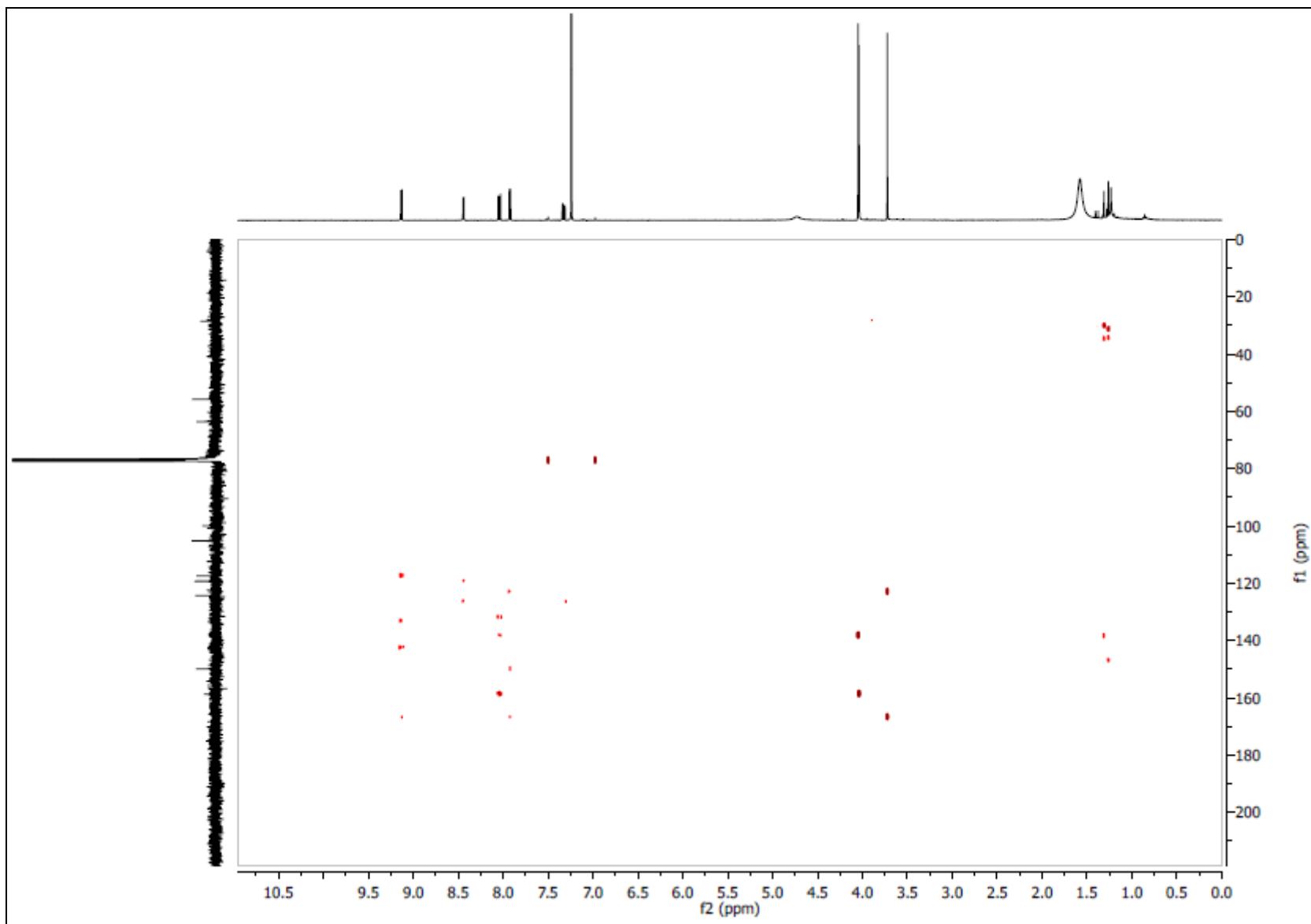


Figura 15S. Espectro HMBC (400 e 100 MHz,  $CDCl_3$ ) do composto 2

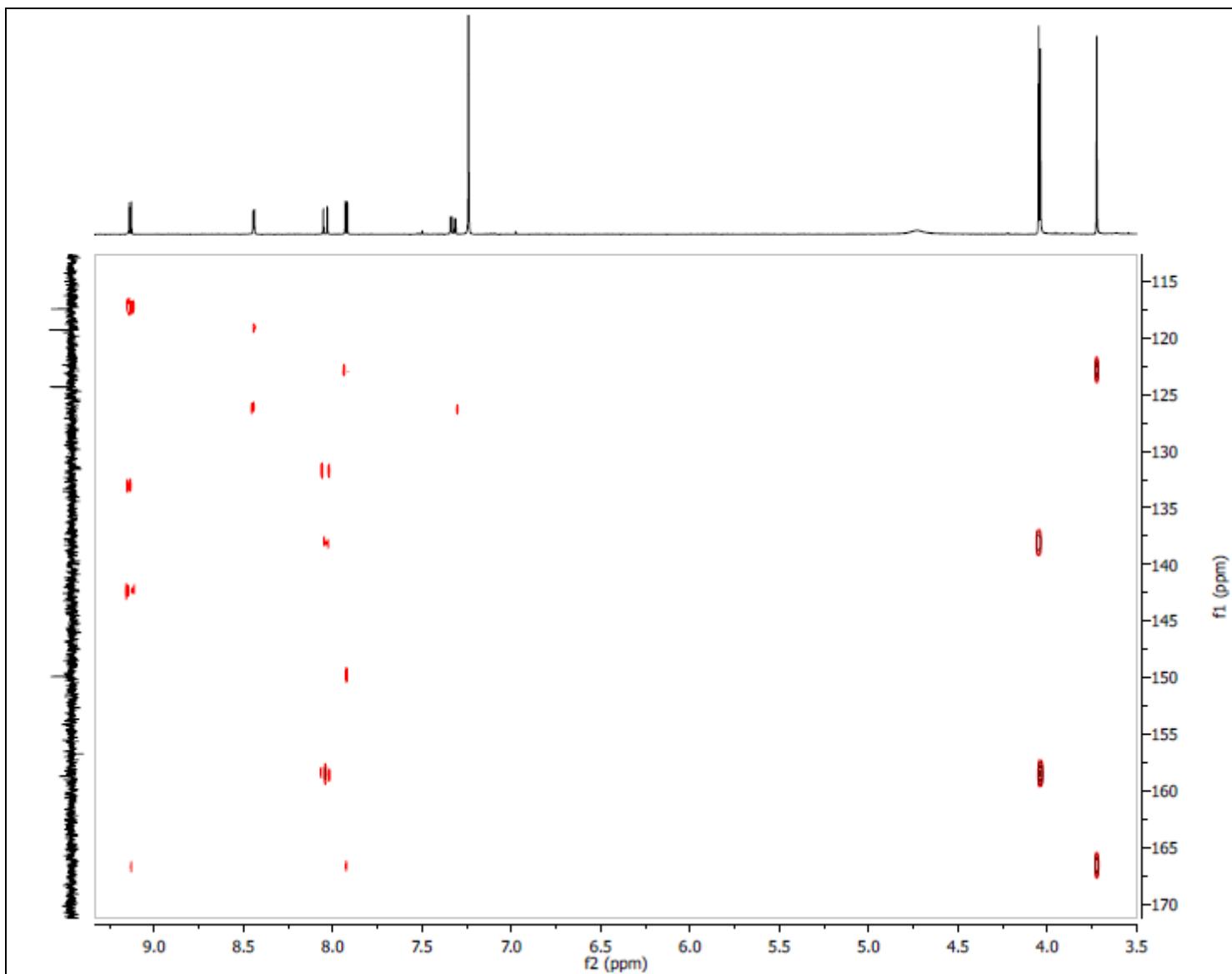
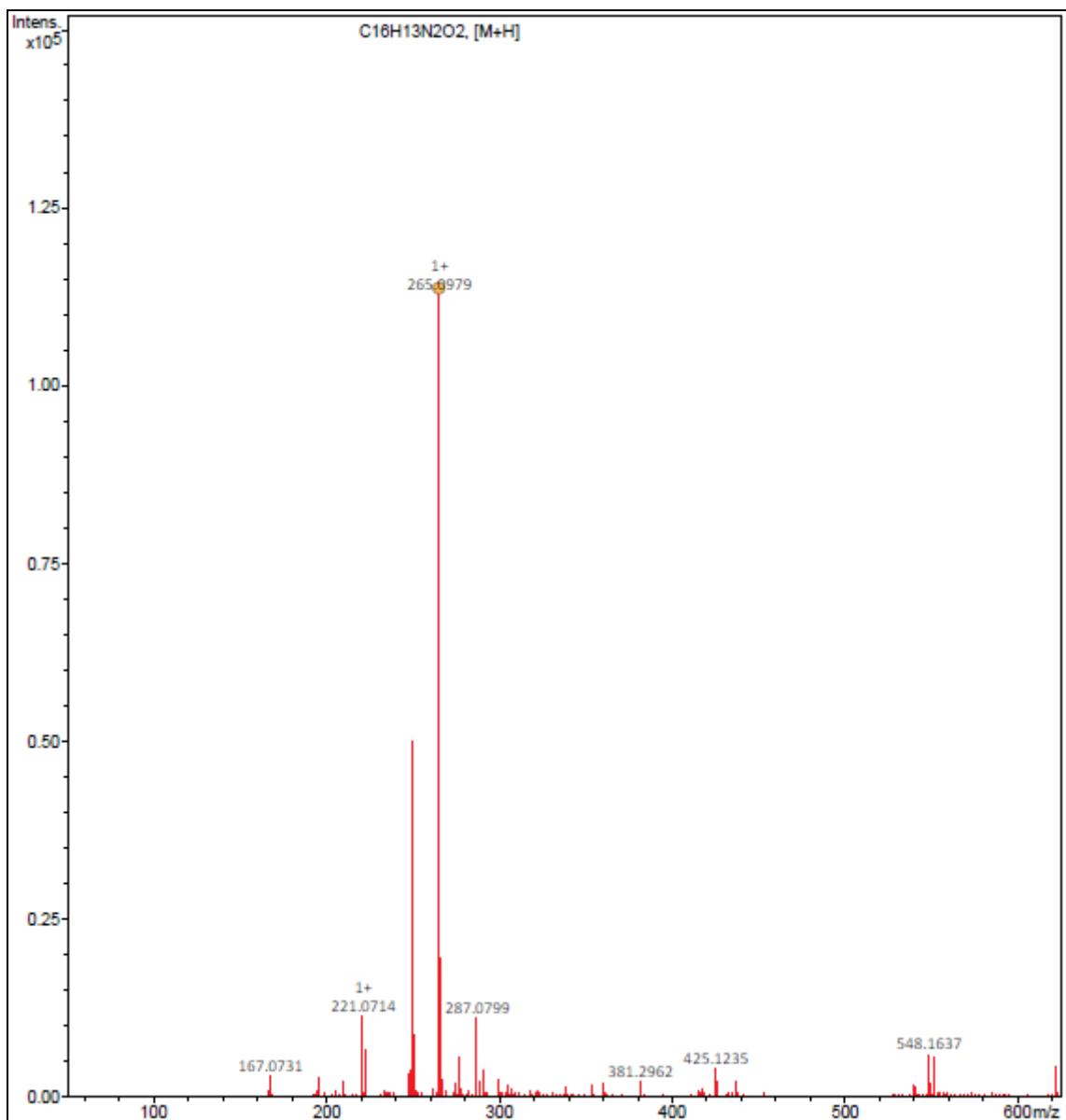


Figura 16S. Expansão do espectro HMBC (400 e 100 MHz,  $CDCl_3$ ) do composto 2



**Figura 17S.** Espectro de EMAR-IES do composto 3

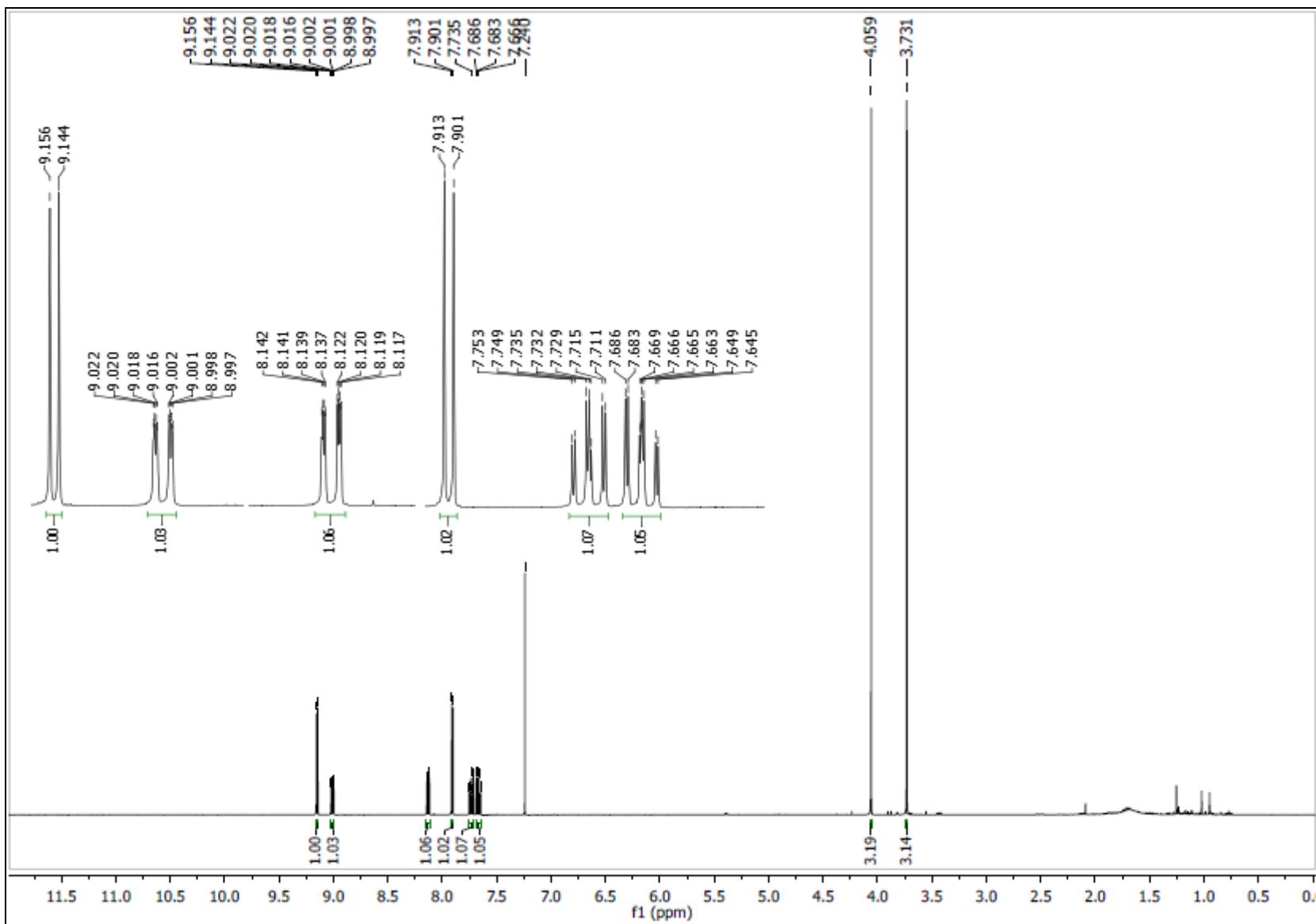


Figura 18S. Espectro de RMN de  $^1\text{H}$  (400 MHz,  $\text{CDCl}_3$ ) do composto 3

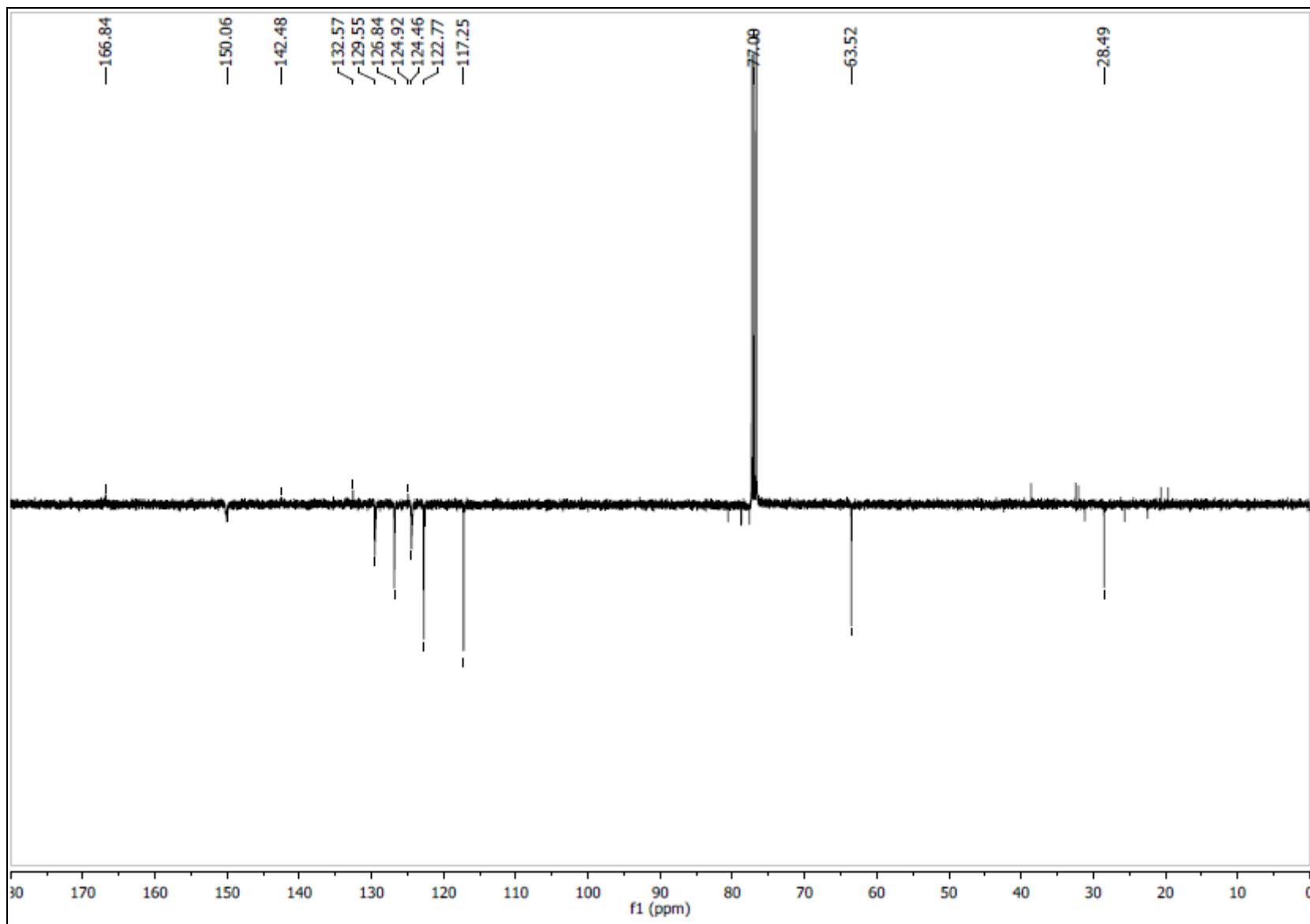


Figura 19S. Espectro de RMN de  $^{13}\text{C}$  (APT, 100 MHz, CDCl<sub>3</sub>) do composto 3

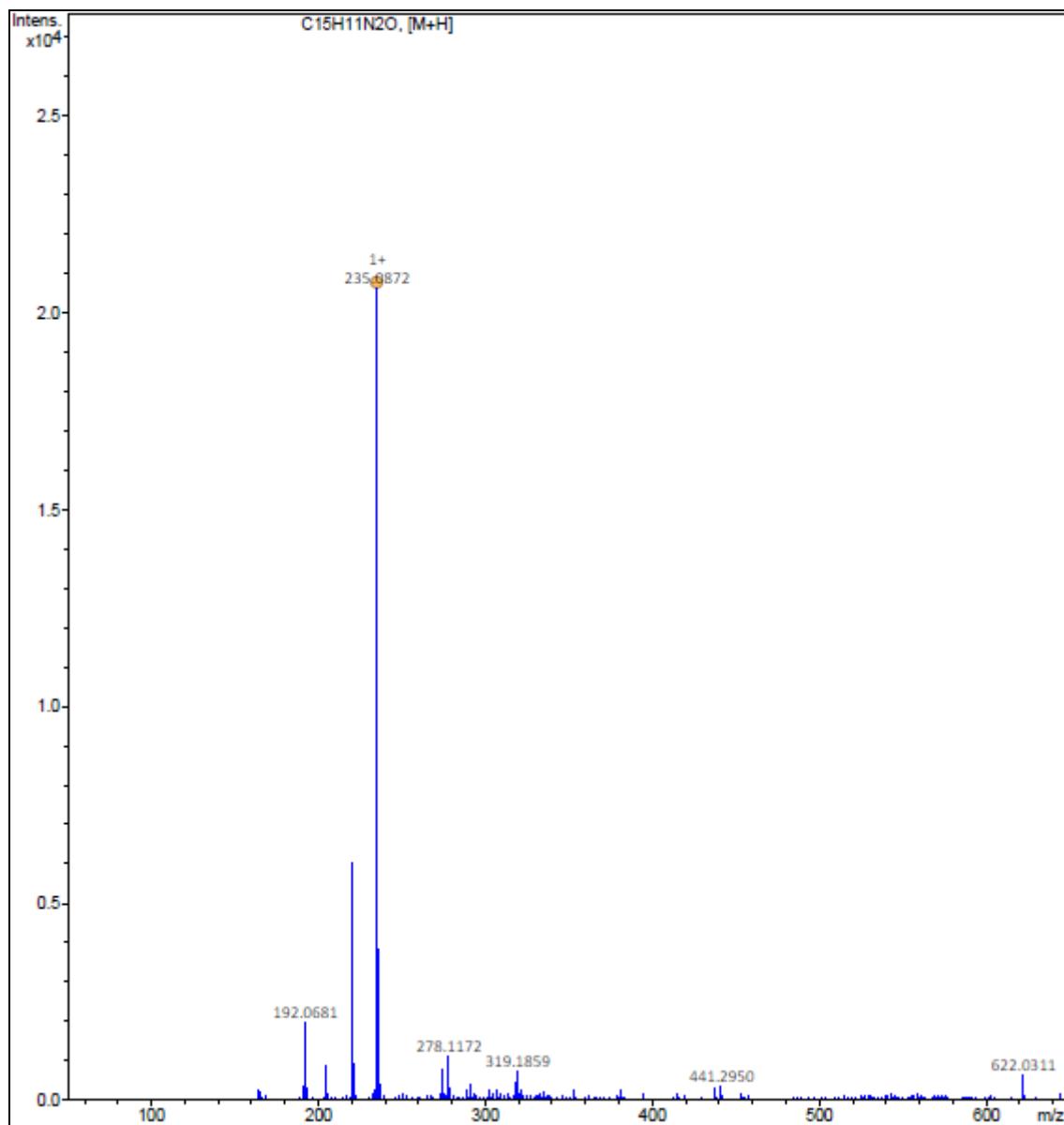


Figura 20S. Espectro de EMAR-IES do composto 4

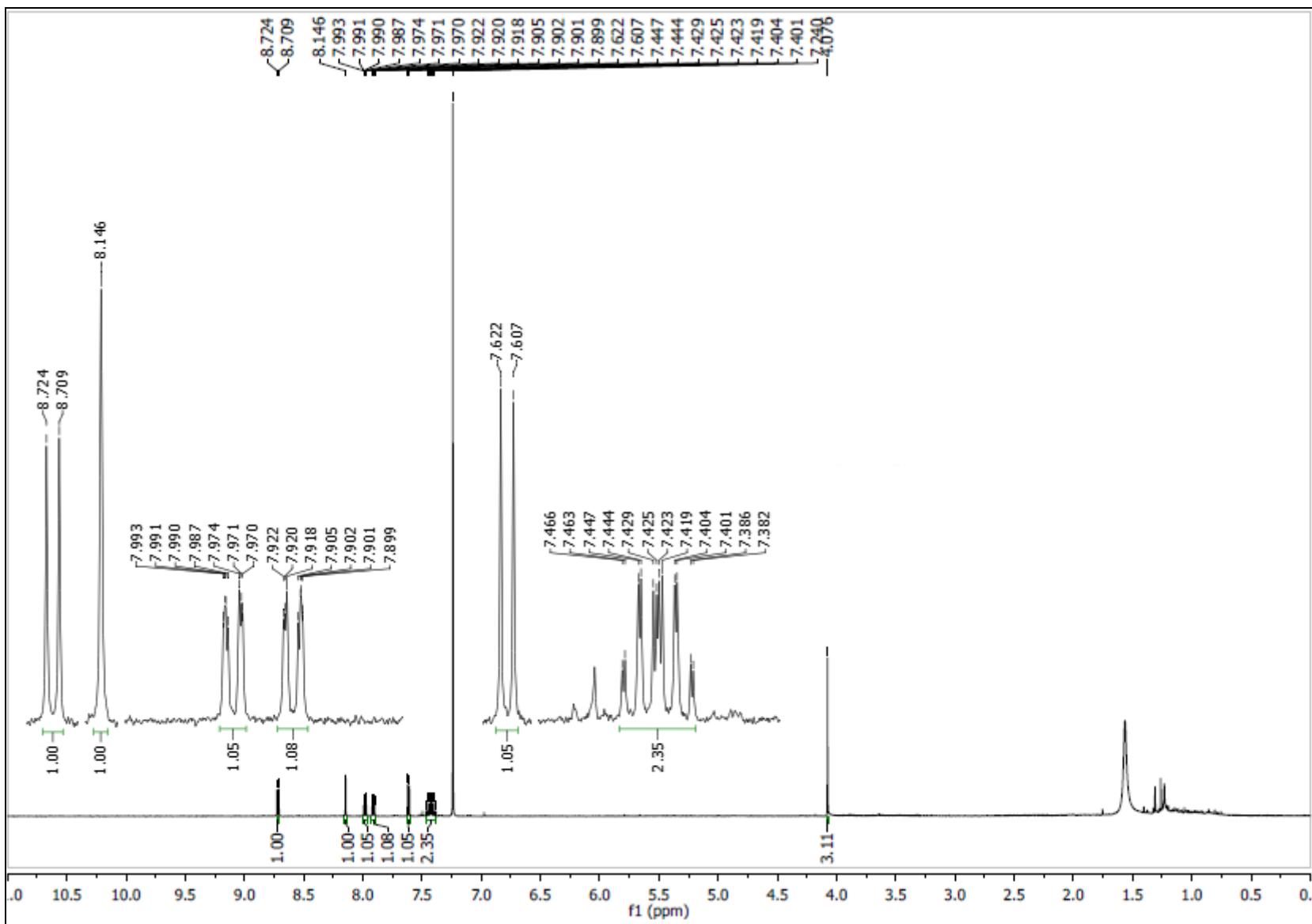


Figura 21S. Espectro de RMN de  $^1\text{H}$  (400 MHz,  $\text{CDCl}_3$ ) do composto 4

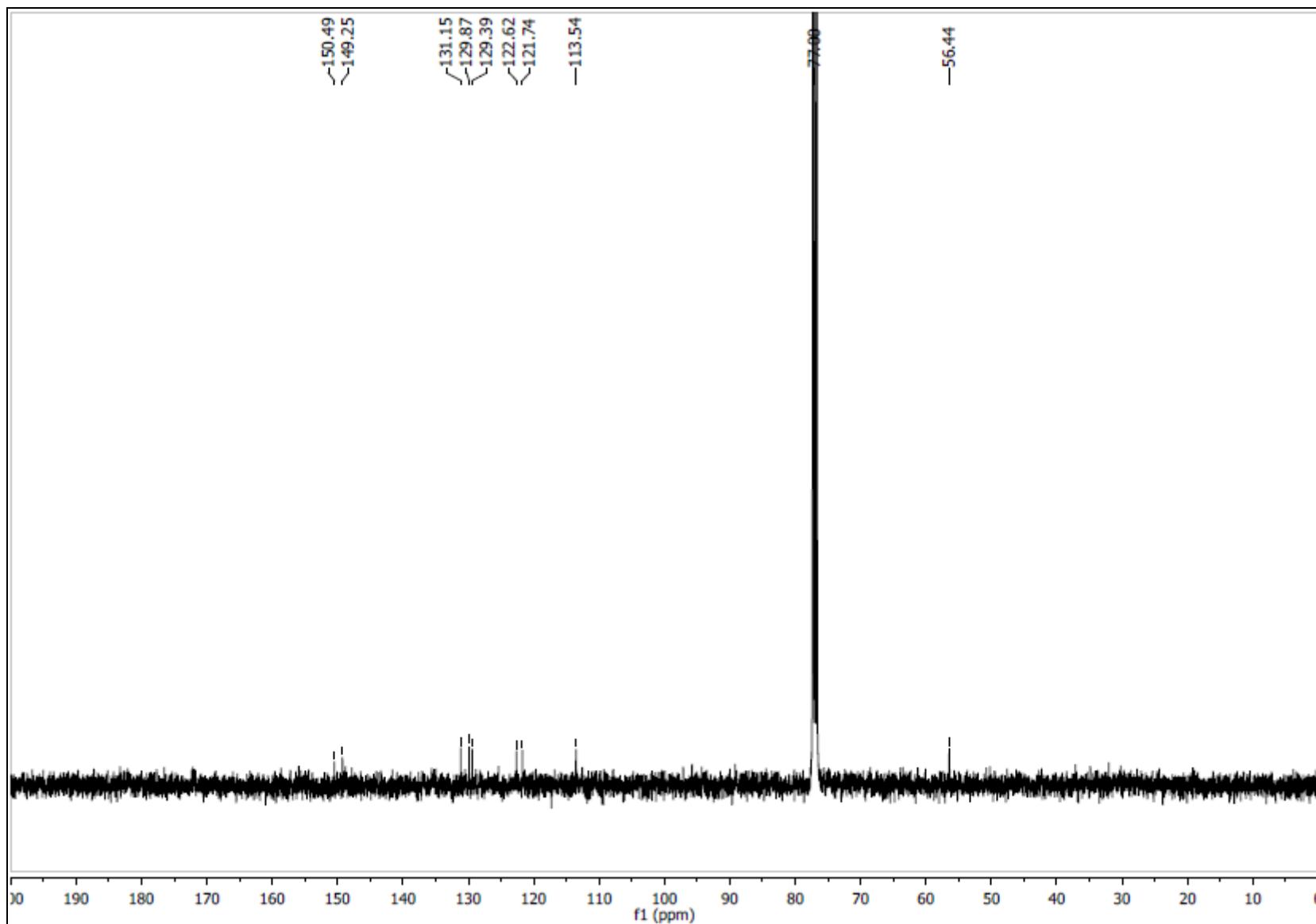


Figura 22S. Espectro de RMN de  $^{13}\text{C}$  (100 MHz,  $\text{CDCl}_3$ ) do composto 4

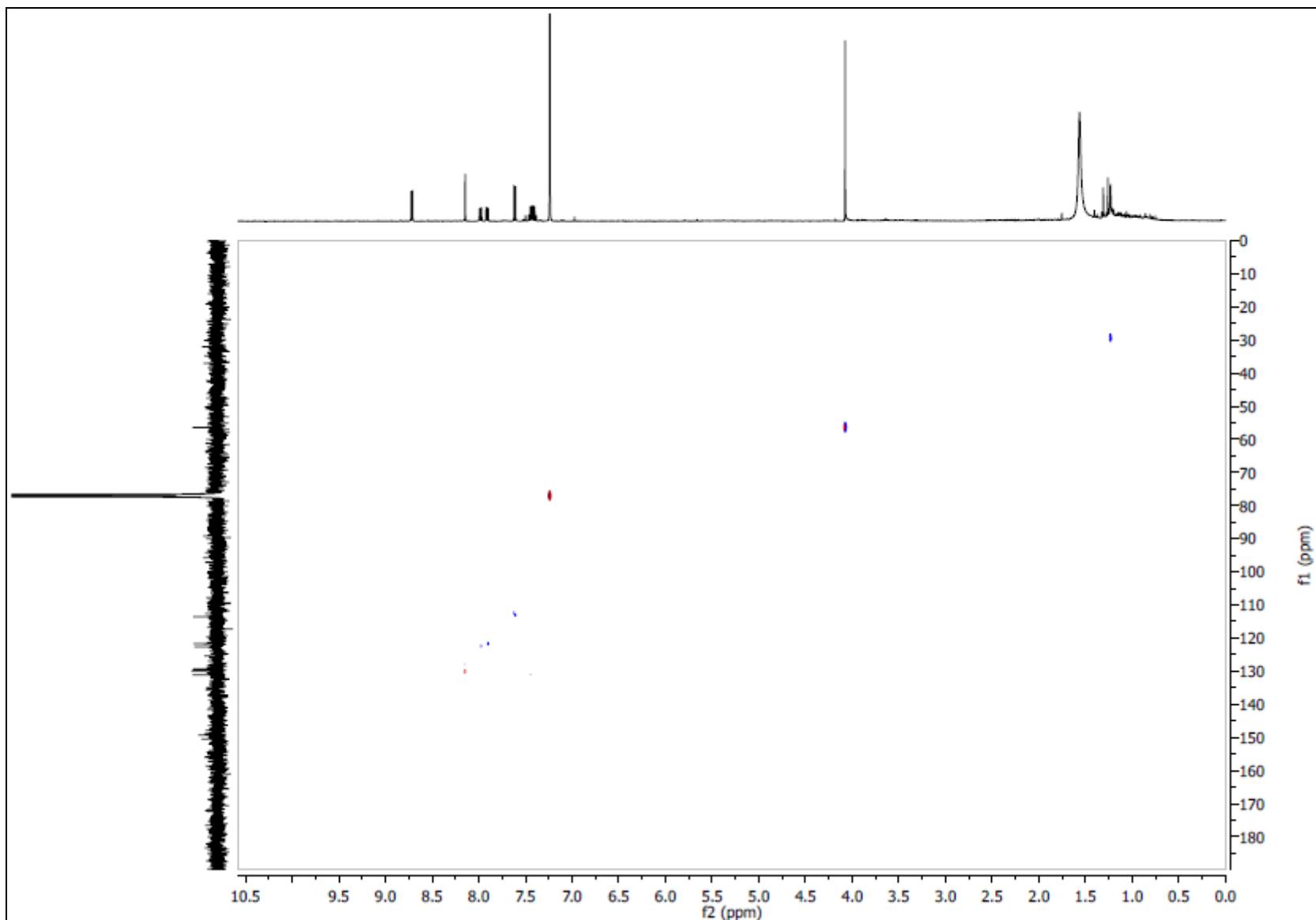


Figura 23S. Espectro HSQC (400 e 100 MHz,  $CDCl_3$ ) do composto 4

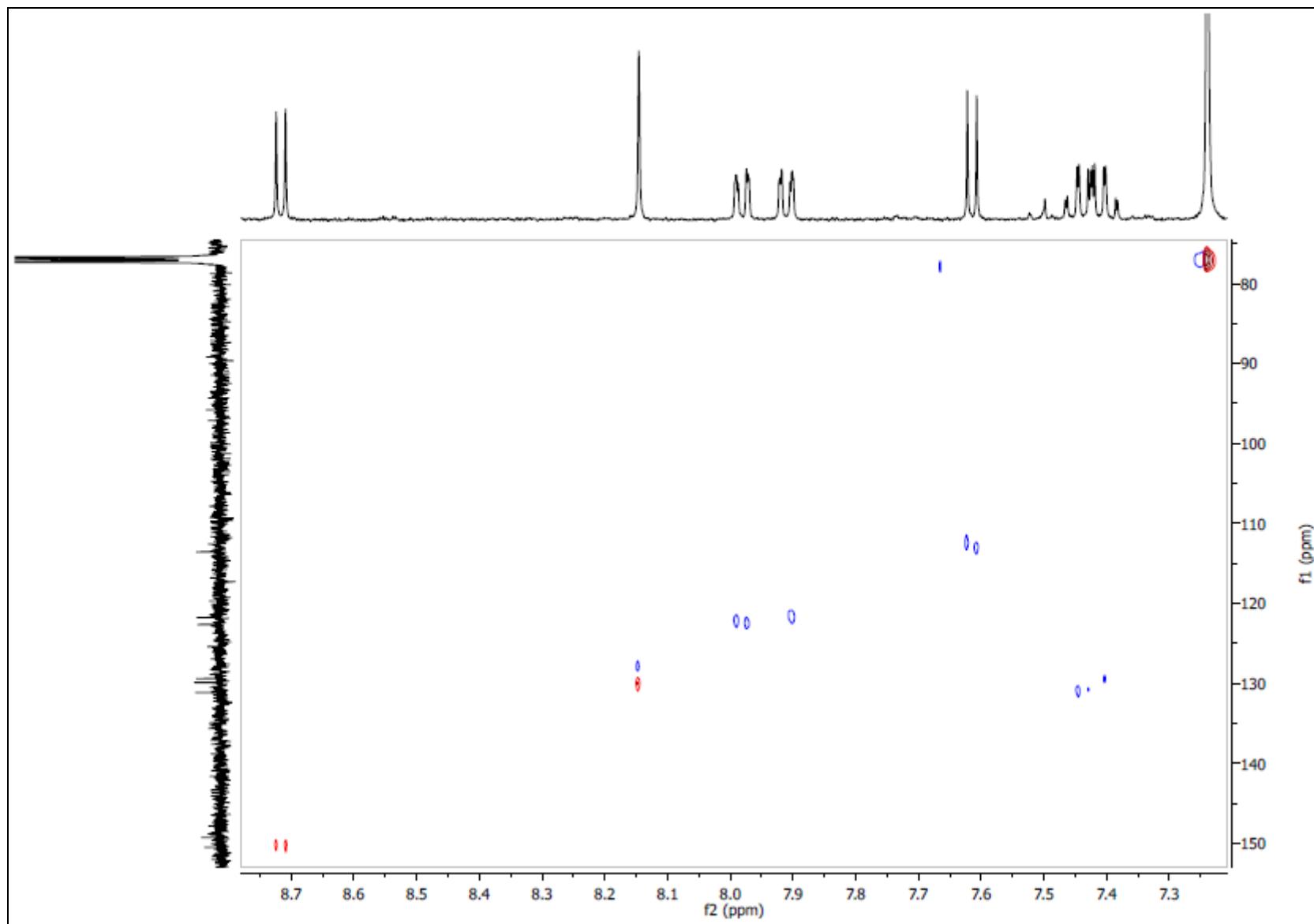


Figura 24S. Expansão do espectro HSQC (400 e 100 MHz,  $CDCl_3$ ) do composto 4

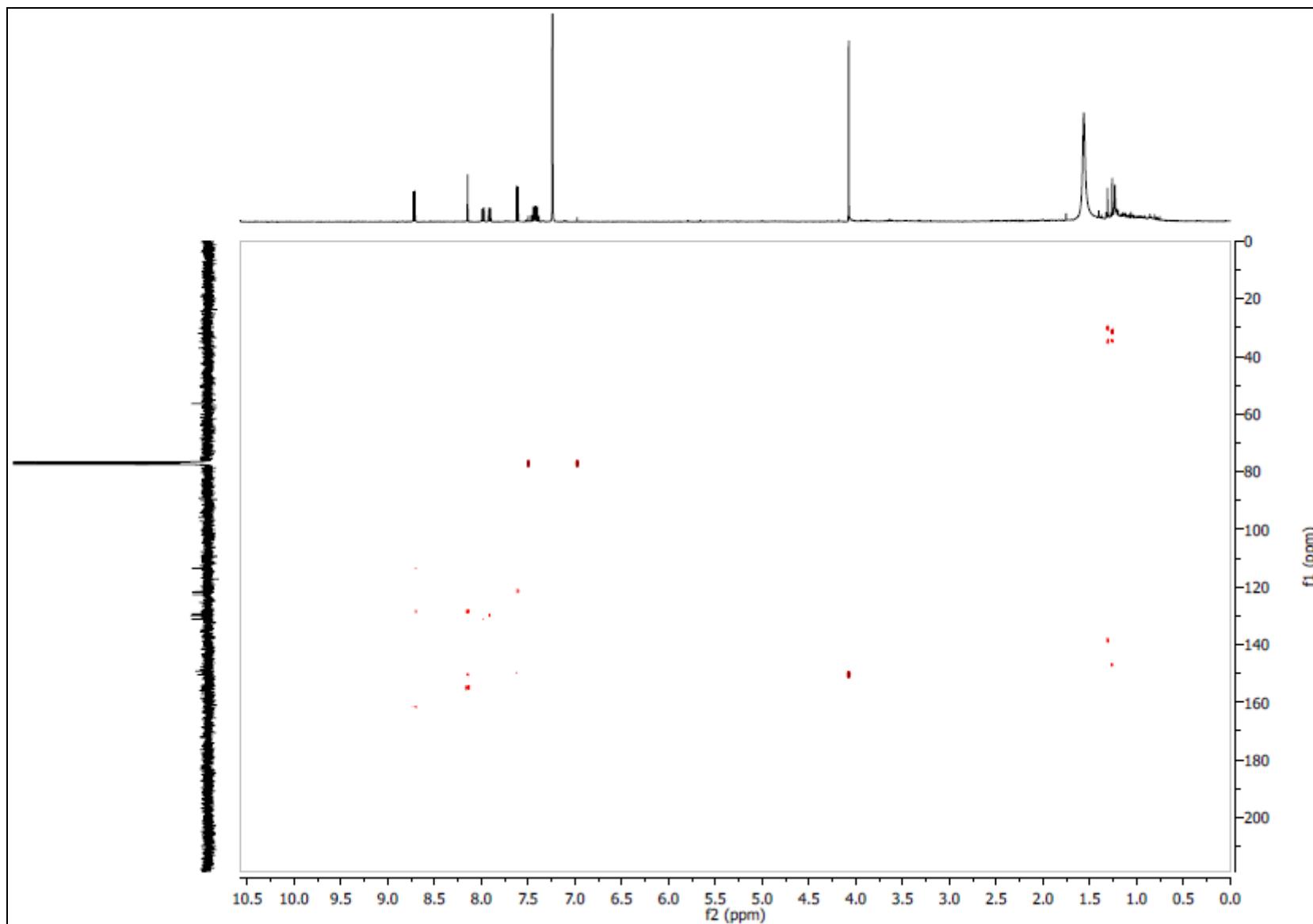


Figura 25S. Espectro HMBC (400 e 100 MHz,  $\text{CDCl}_3$ ) do composto 4

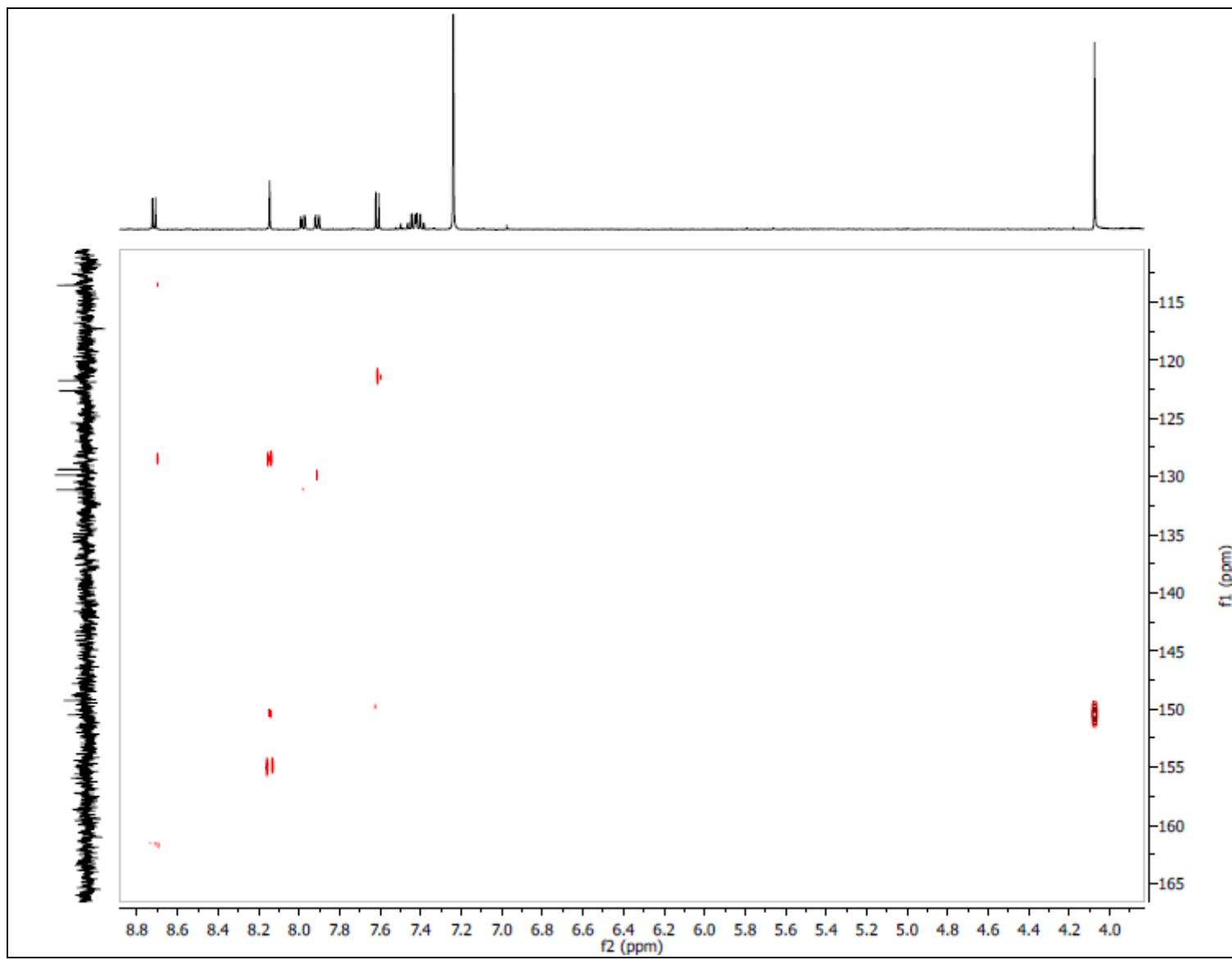
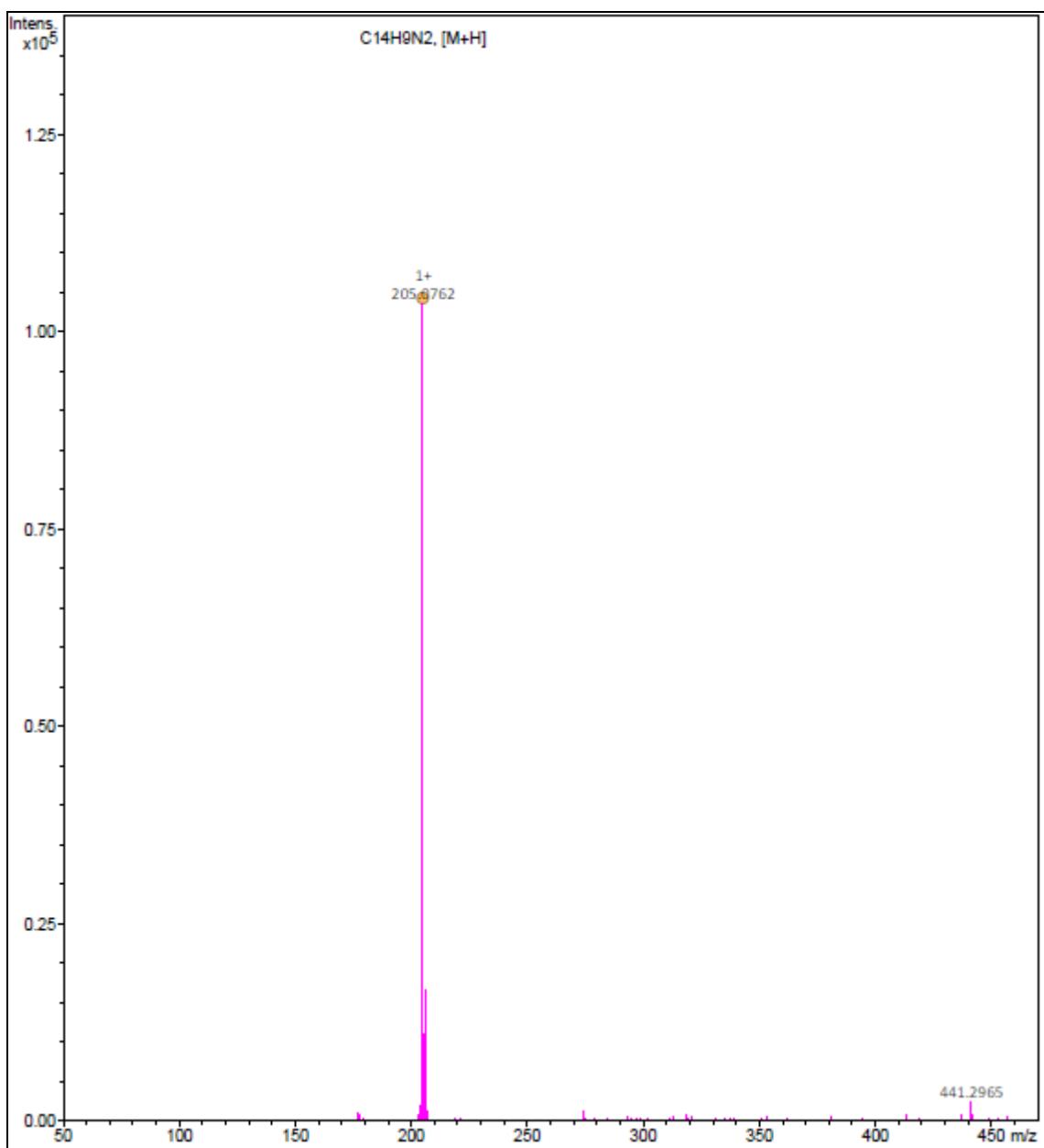


Figura 26S. Expansão do espectro HMBC (400 e 100 MHz,  $CDCl_3$ ) do composto 4



*Figura 27S. Espectro de EMAR-IES do composto 5*

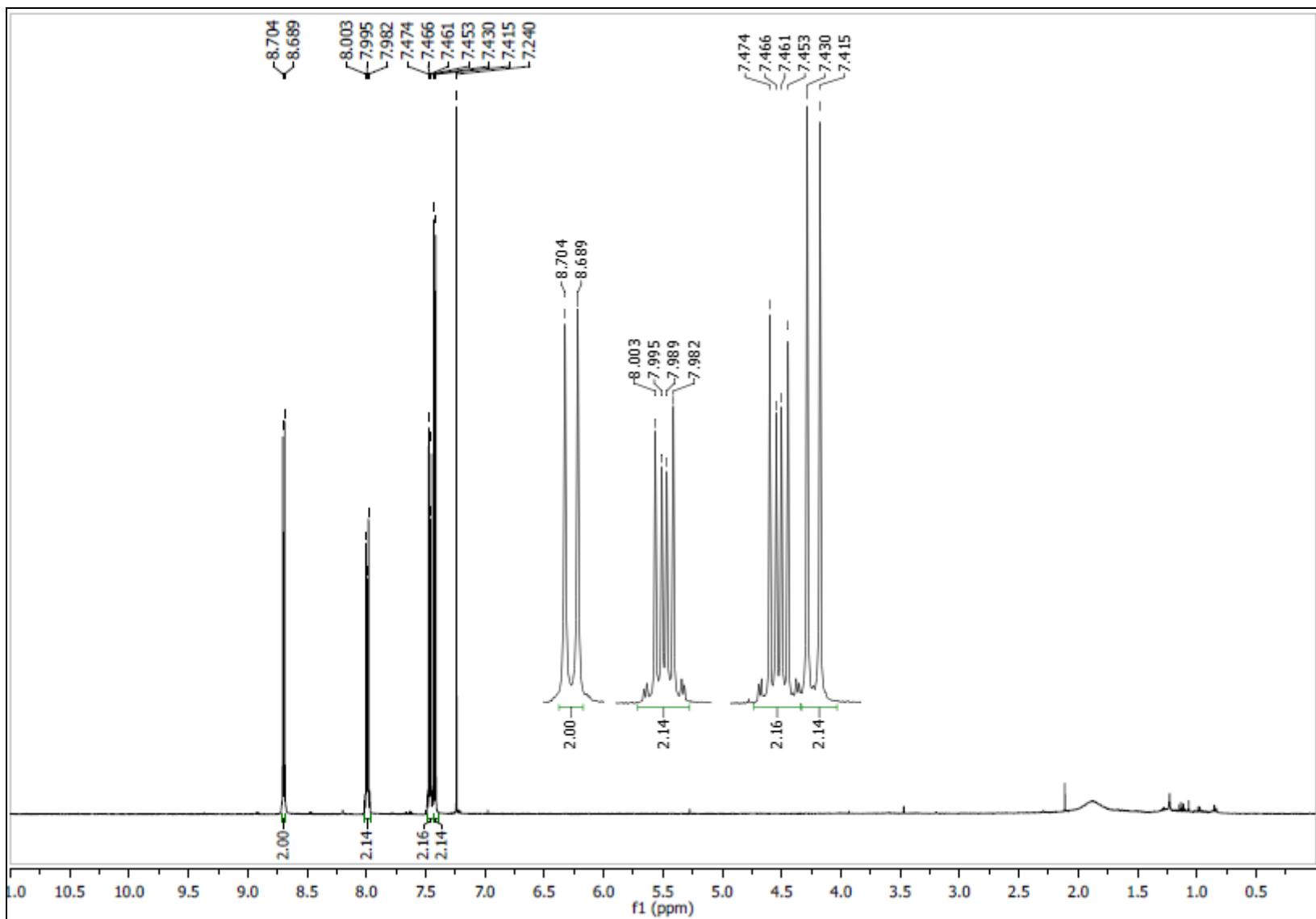


Figura 28S. Espectro de RMN de  $^1\text{H}$  (400 MHz,  $\text{CDCl}_3$ ) do composto 5

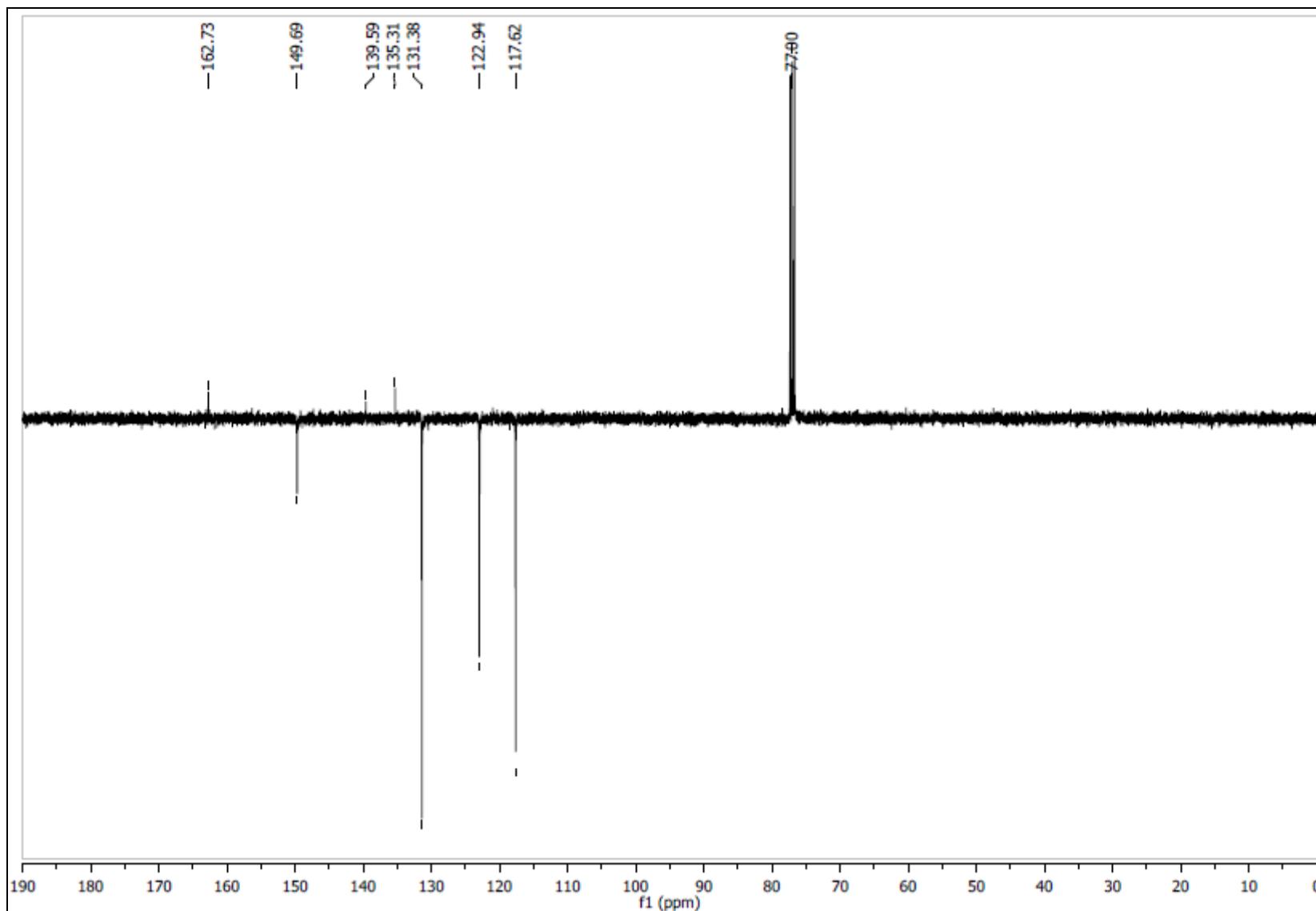


Figura 29S. Espectro de RMN de  $^{13}\text{C}$  (APT, 100 MHz,  $\text{CDCl}_3$ ) do composto 5

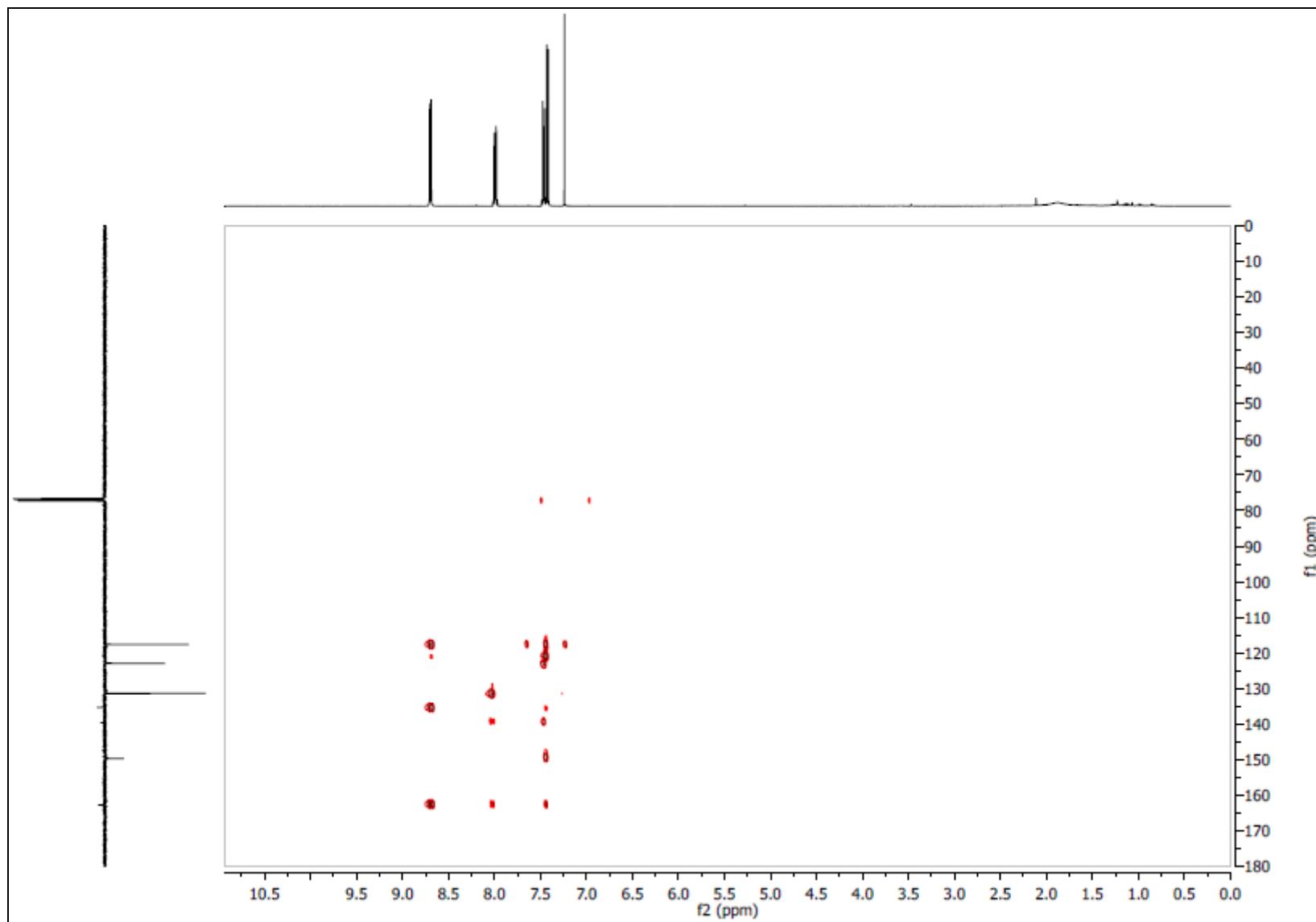
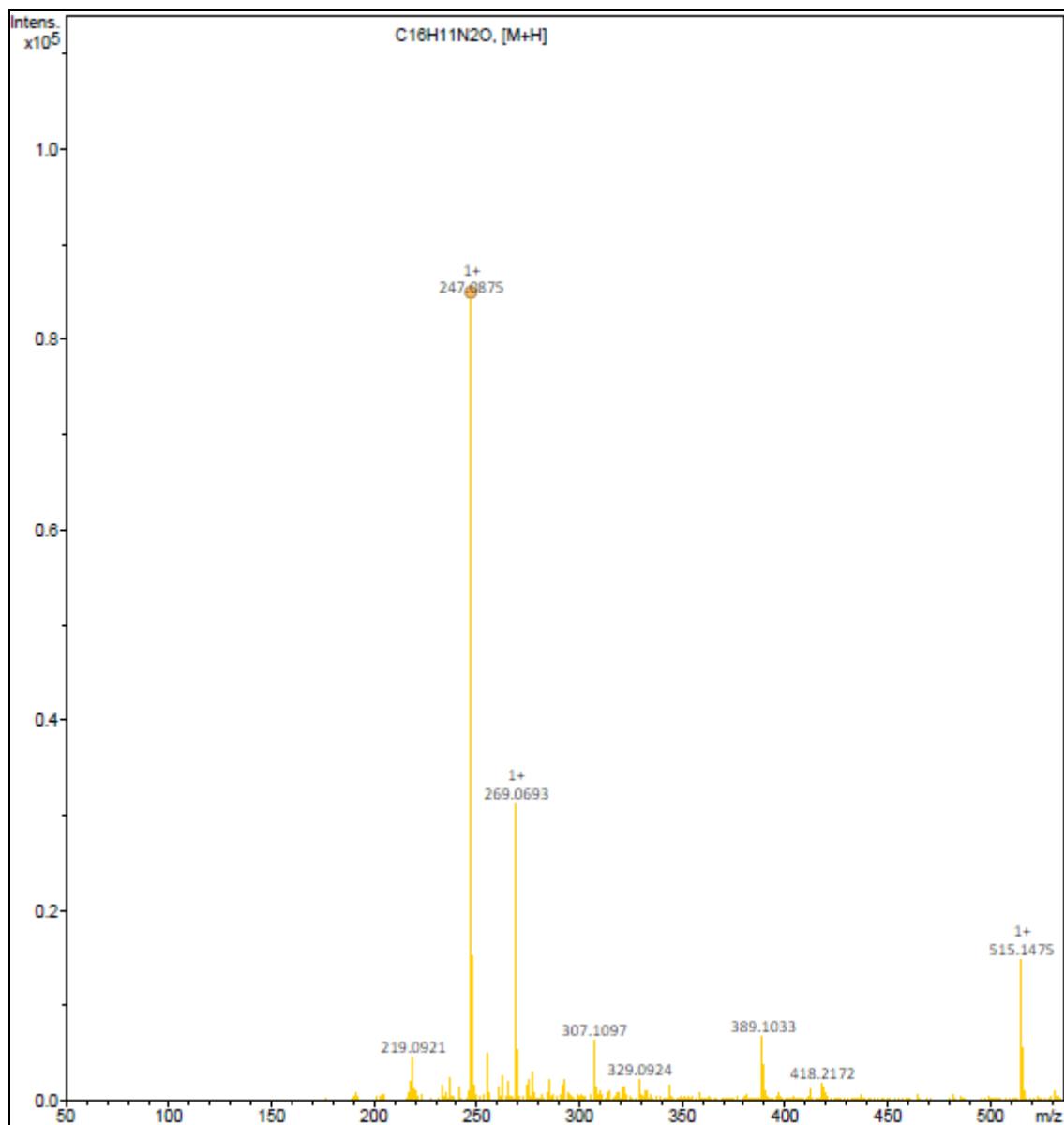


Figura 30S. Espectro HMBC (400 e 100 MHz,  $\text{CDCl}_3$ ) do composto 5



*Figura 31S.* Espectro de EMAR-IES do composto 6

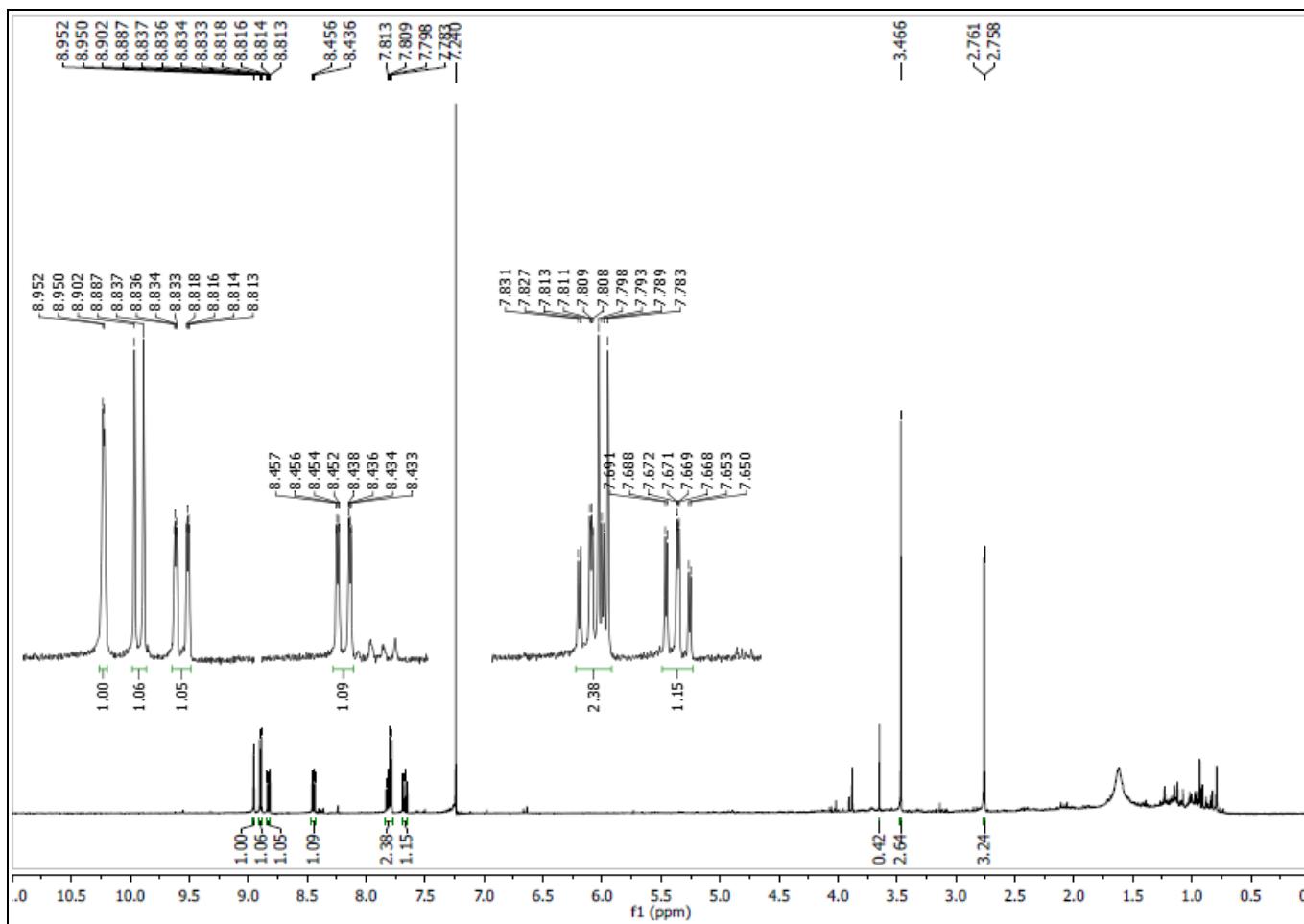


Figura 32S. Espectro de RMN de  $^1\text{H}$  (400 MHz,  $\text{CDCl}_3$ ) do composto 6



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