

## Supporting Information

### **Four novel sesquiterpenoids with their anti-Alzheimer's disease activity from *Nardostachys chinensis***

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## Supporting Information Contents

- Fig. 1S**  $^1\text{H}$  NMR (600 MHz,  $\text{CDCl}_3$ ) of compound **1**
- Fig. 2S**  $^{13}\text{C}$  NMR and DEPT135 (150 MHz,  $\text{CDCl}_3$ ) of compound **1**
- Fig. 3S**  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of compound **1**
- Fig. 4S** HSQC spectrum of compound **1**
- Fig. 5S** HMBC spectrum of compound **1**
- Fig. 6S** NOESY spectrum of compound **1**
- Fig. 7S** HRESIMS spectrum of compound **1**
- Fig. 8S** IR spectrum of compound **1**
- Fig. 9S**  $^1\text{H}$  NMR (600 MHz, acetone- $d_6$ ) of compound **2**
- Fig. 10S**  $^{13}\text{C}$  NMR and DEPT135 (150 MHz, acetone- $d_6$ ) of compound **2**
- Fig. 11S**  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of compound **2**
- Fig. 12S** HSQC spectrum of compound **2**
- Fig. 13S** HMBC spectrum of compound **2**
- Fig. 14S** NOESY spectrum of compound **2**
- Fig. 15S** HRESIMS spectrum of compound **2**
- Fig. 16S** IR spectrum of compound **2**
- Fig. 17S**  $^1\text{H}$  NMR (600 MHz, acetone- $d_6$ ) of compound **3**
- Fig. 18S**  $^{13}\text{C}$  NMR and DEPT135 (150 MHz, acetone- $d_6$ ) of compound **3**
- Fig. 19S**  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of compound **3**
- Fig. 20S** HSQC spectrum of compound **3**
- Fig. 21S** HMBC spectrum of compound **3**
- Fig. 22S** NOESY spectrum of compound **3**
- Fig. 23S** HRESIMS spectrum of compound **3**
- Fig. 24S** IR spectrum of compound **3**
- Fig. 25S**  $^1\text{H}$  NMR (600 MHz,  $\text{CDCl}_3$ ) of compound **4**
- Fig. 26S**  $^{13}\text{C}$  NMR and DEPT135 (150 MHz,  $\text{CDCl}_3$ ) of compound **4**
- Fig. 27S**  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of compound **4**
- Fig. 28S** HSQC spectrum of compound **4**

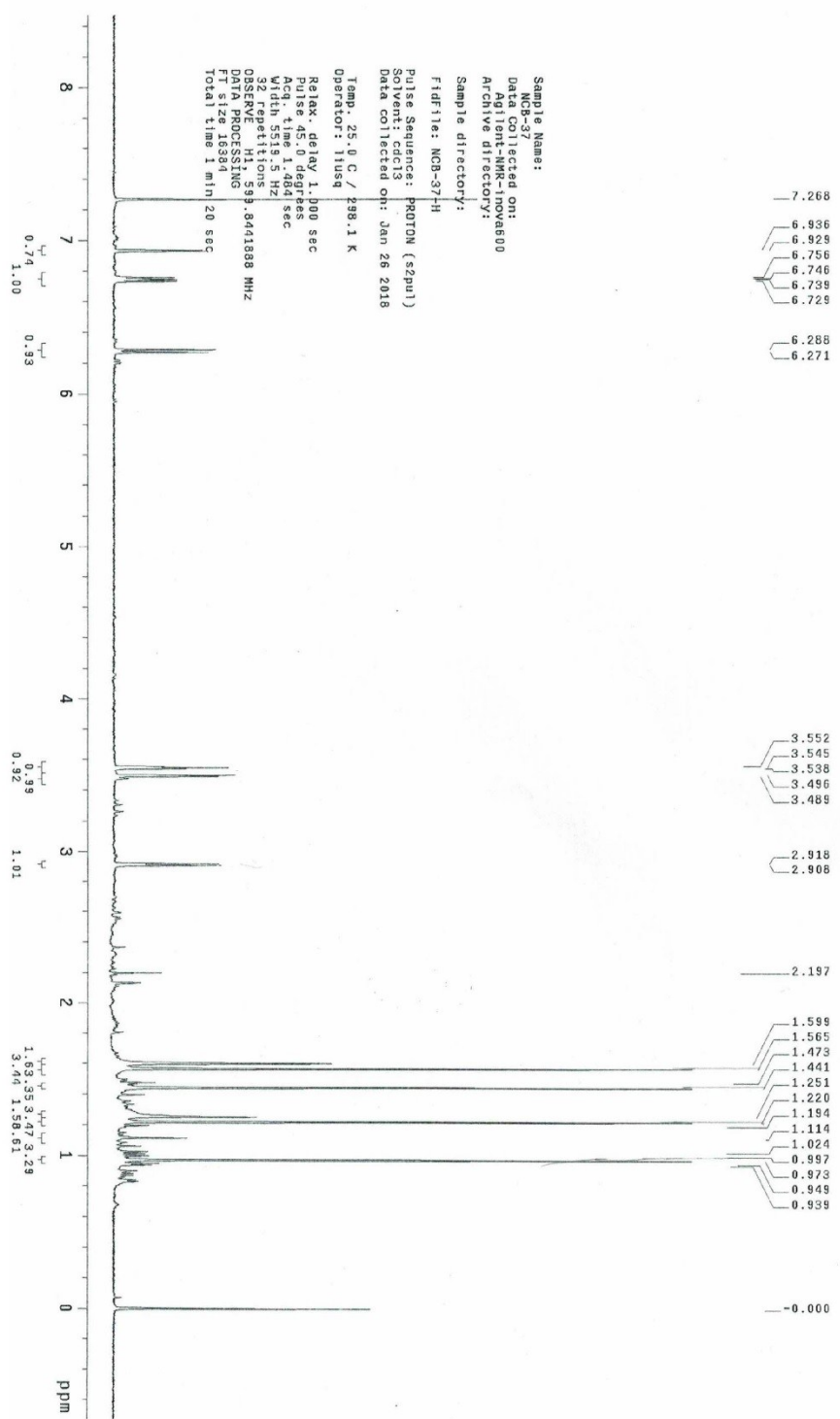
**Fig. 29S** HMBC spectrum of compound **4**

**Fig. 30S** NOESY spectrum of compound **4**

**Fig. 31S** HRESIMS spectrum of compound **4**

**Fig. 32S** IR spectrum of compound **4**

Fig. 1S <sup>1</sup>H NMR (600 MHz, CDCl<sub>3</sub>) of compound 1



**Fig. 2S**  $^{13}\text{C}$  NMR and DEPT135 (150 MHz,  $\text{CDCl}_3$ ) of compound **1**

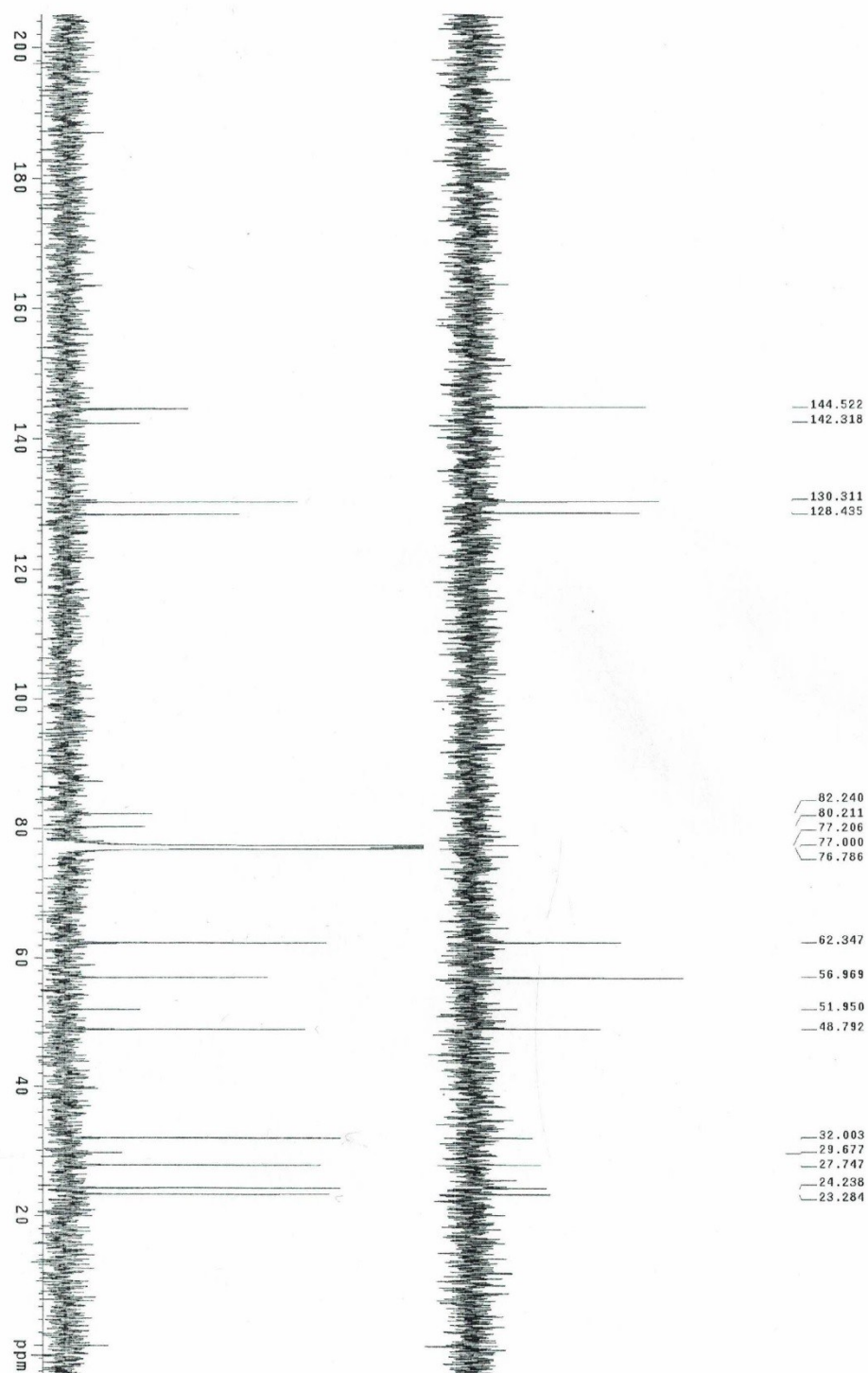


Fig. 3S  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of compound 1

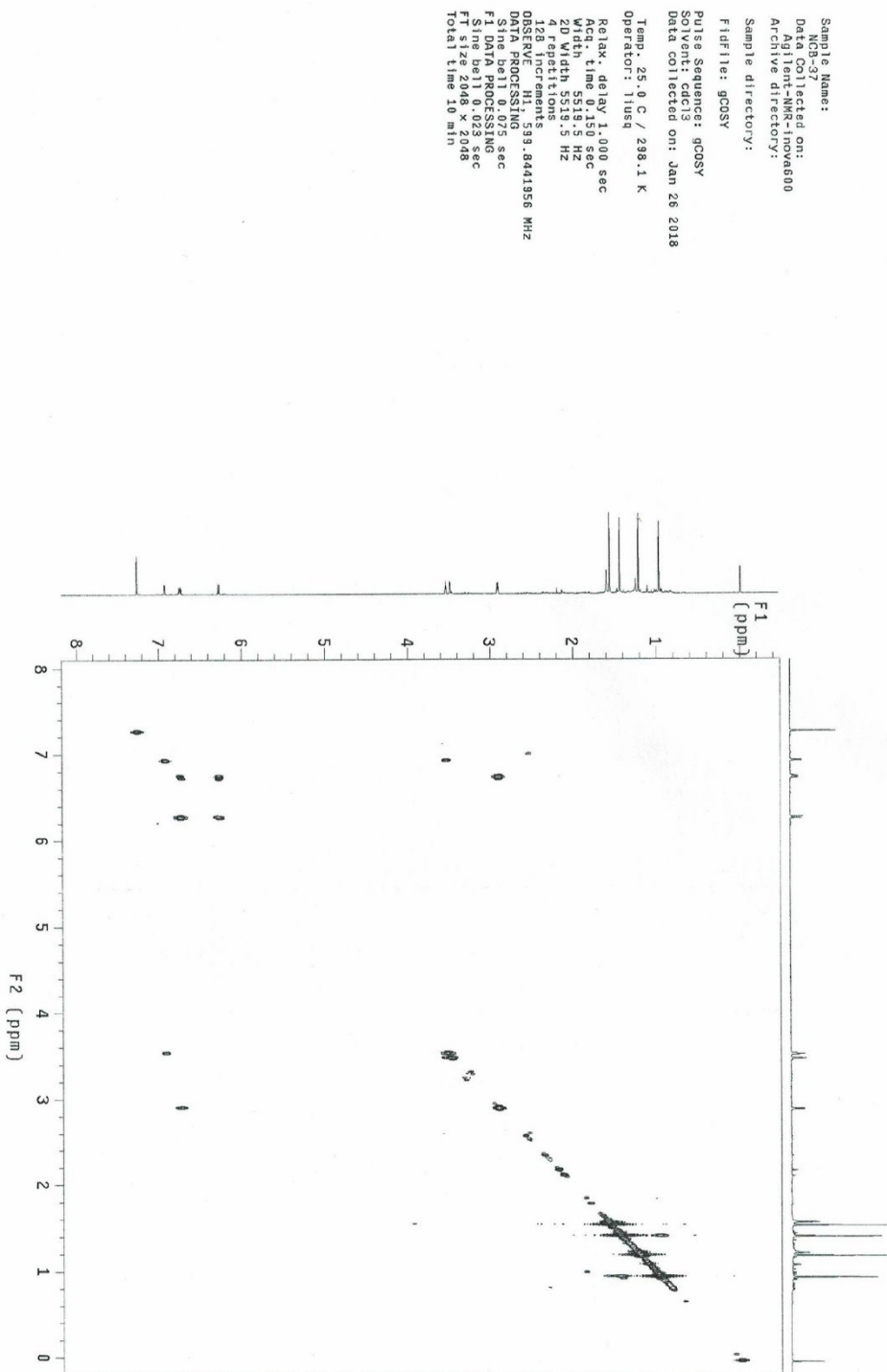


Fig. 4S HSQC spectrum of compound 1

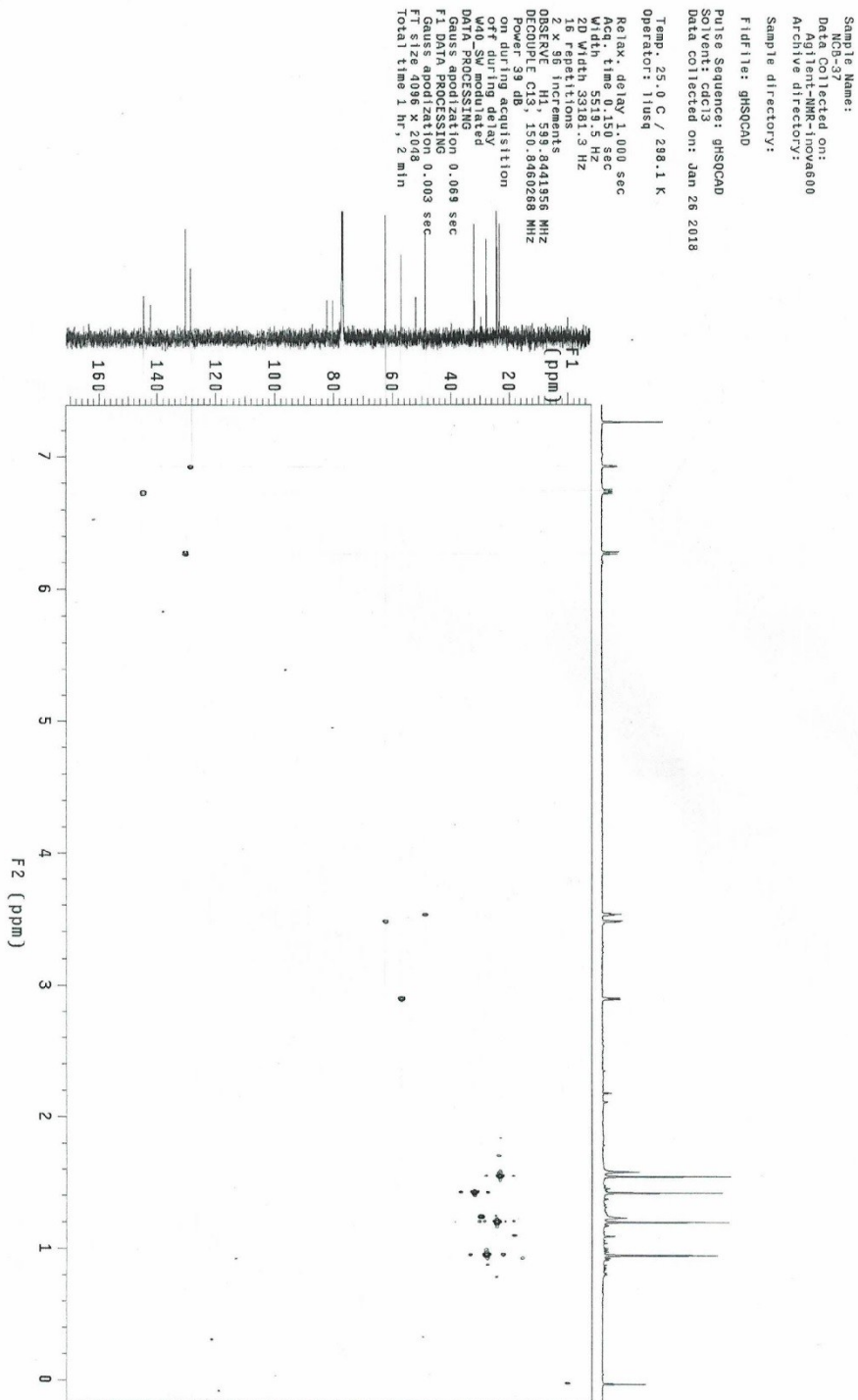


Fig. 5S HMBC spectrum of compound 1

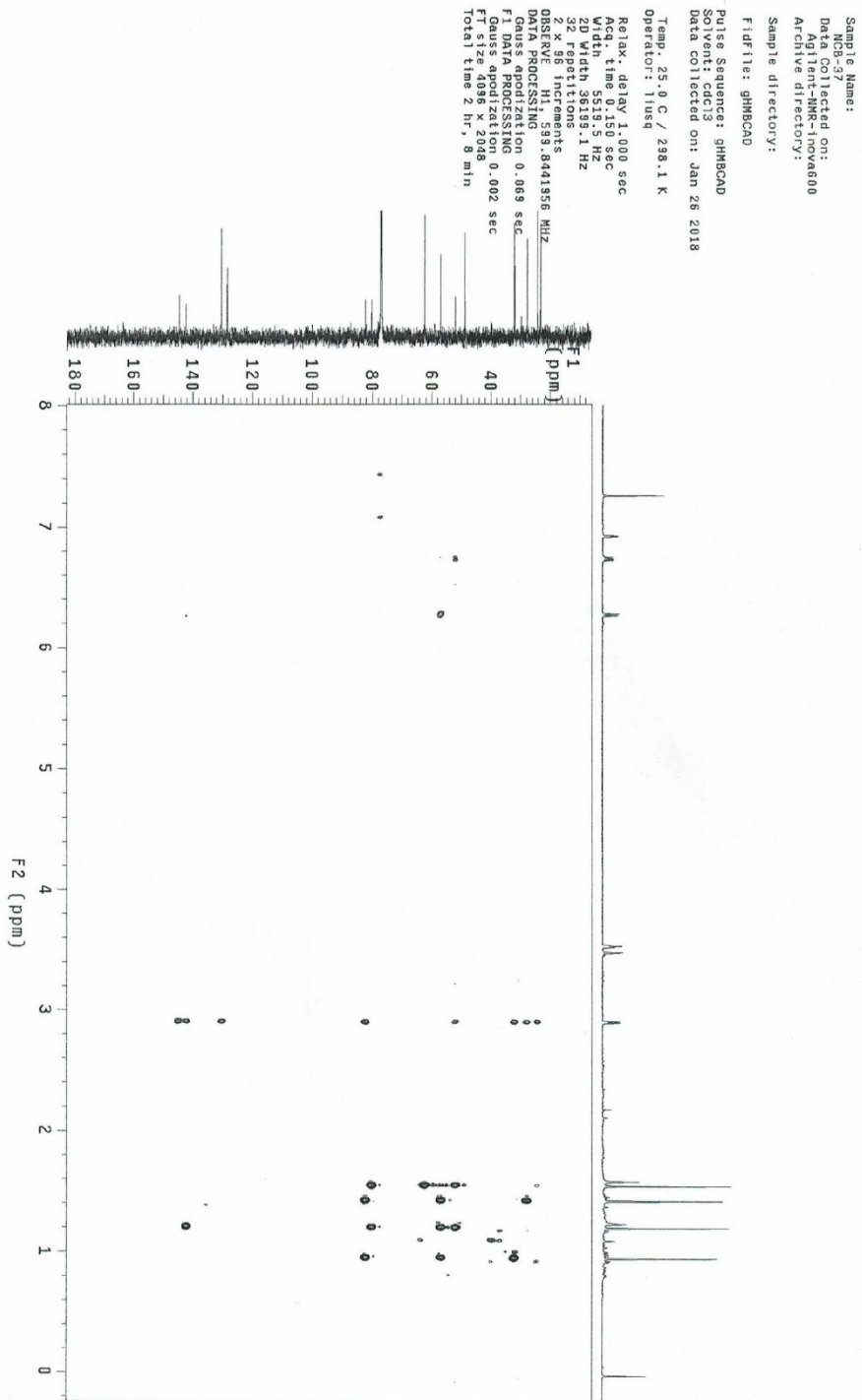




Fig. 6S NOESY spectrum of compound 1

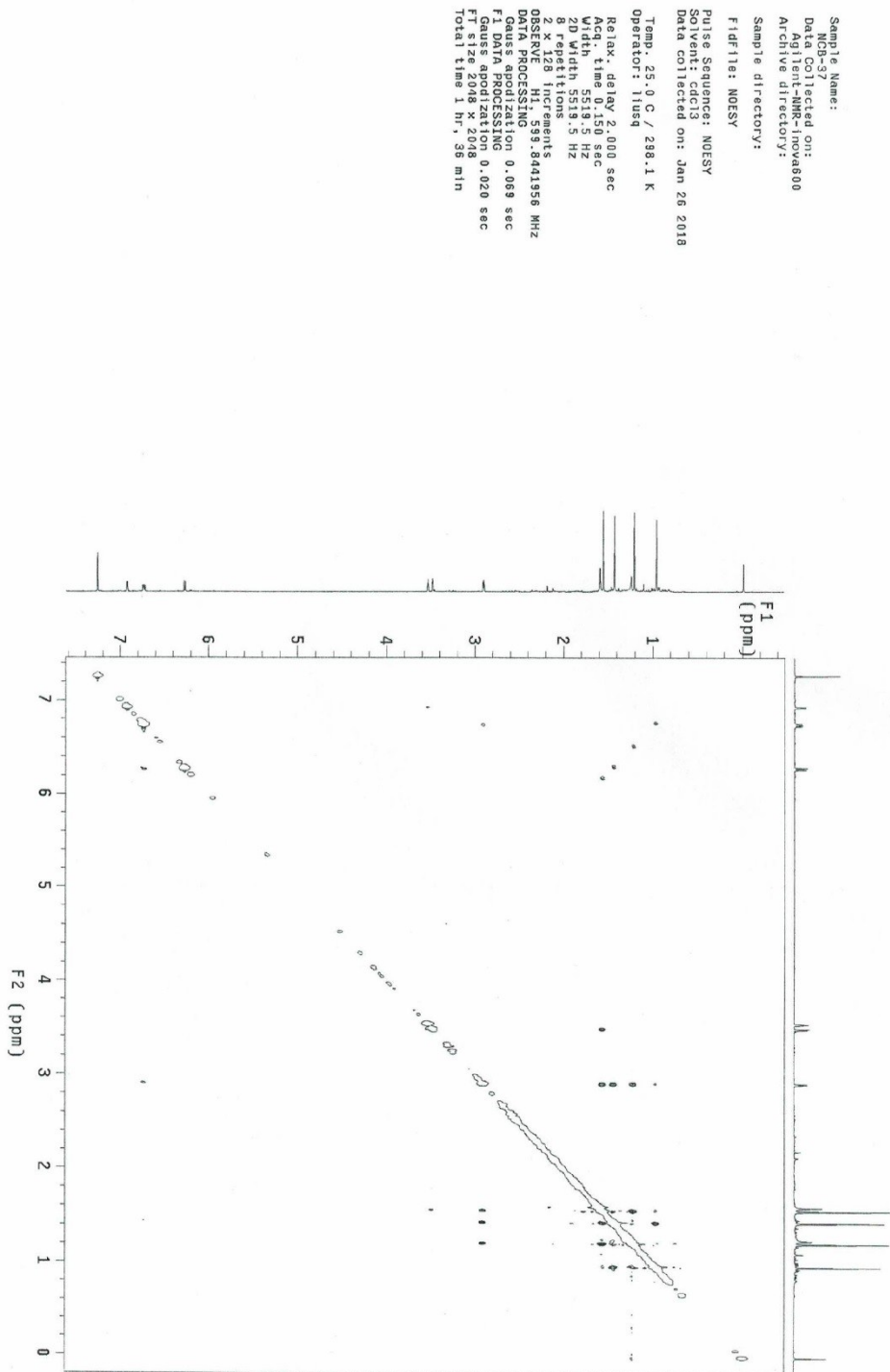


Fig. 7S HRESIMS spectrum of compound 1

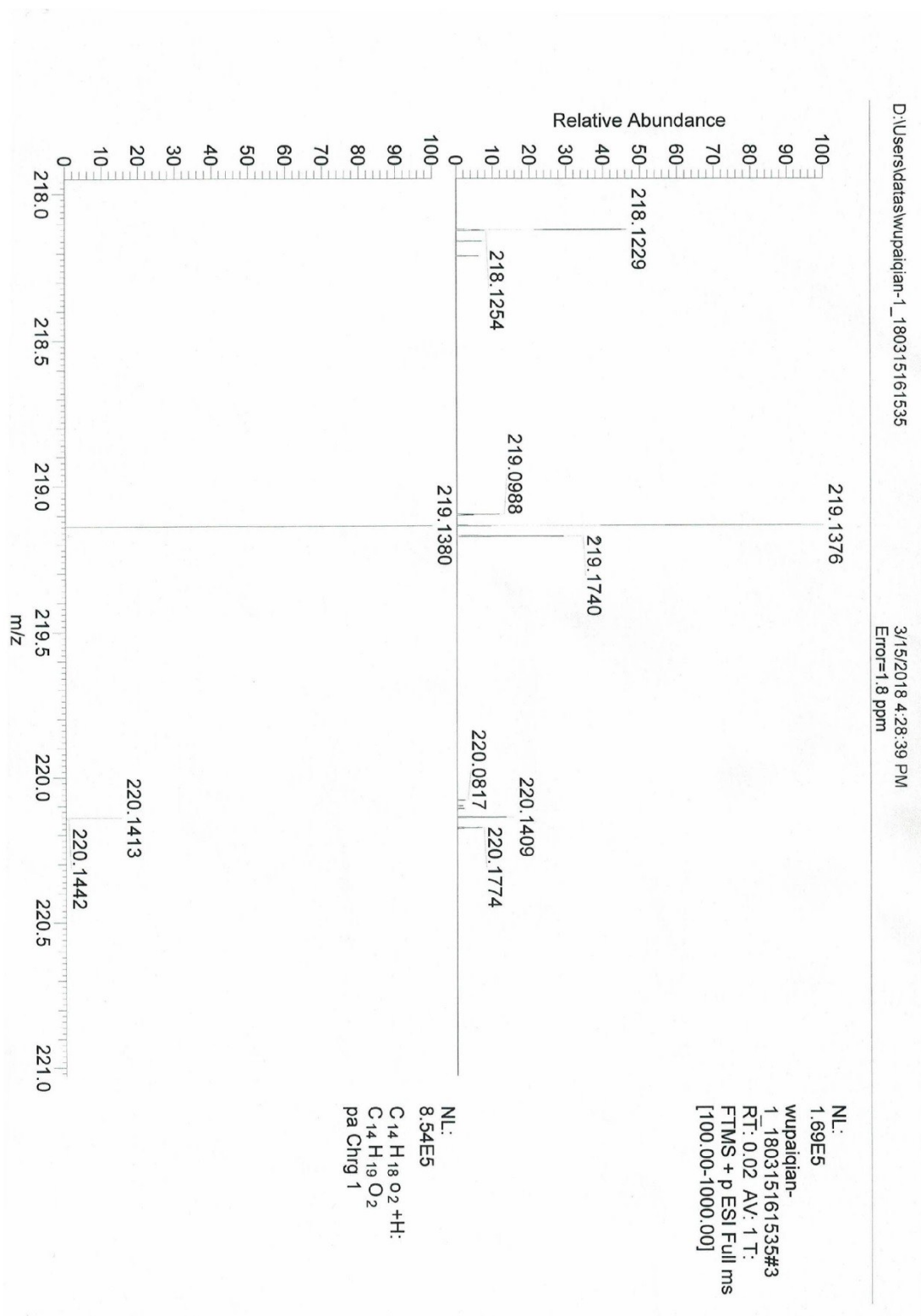


Fig. 8S IR spectrum of compound 1

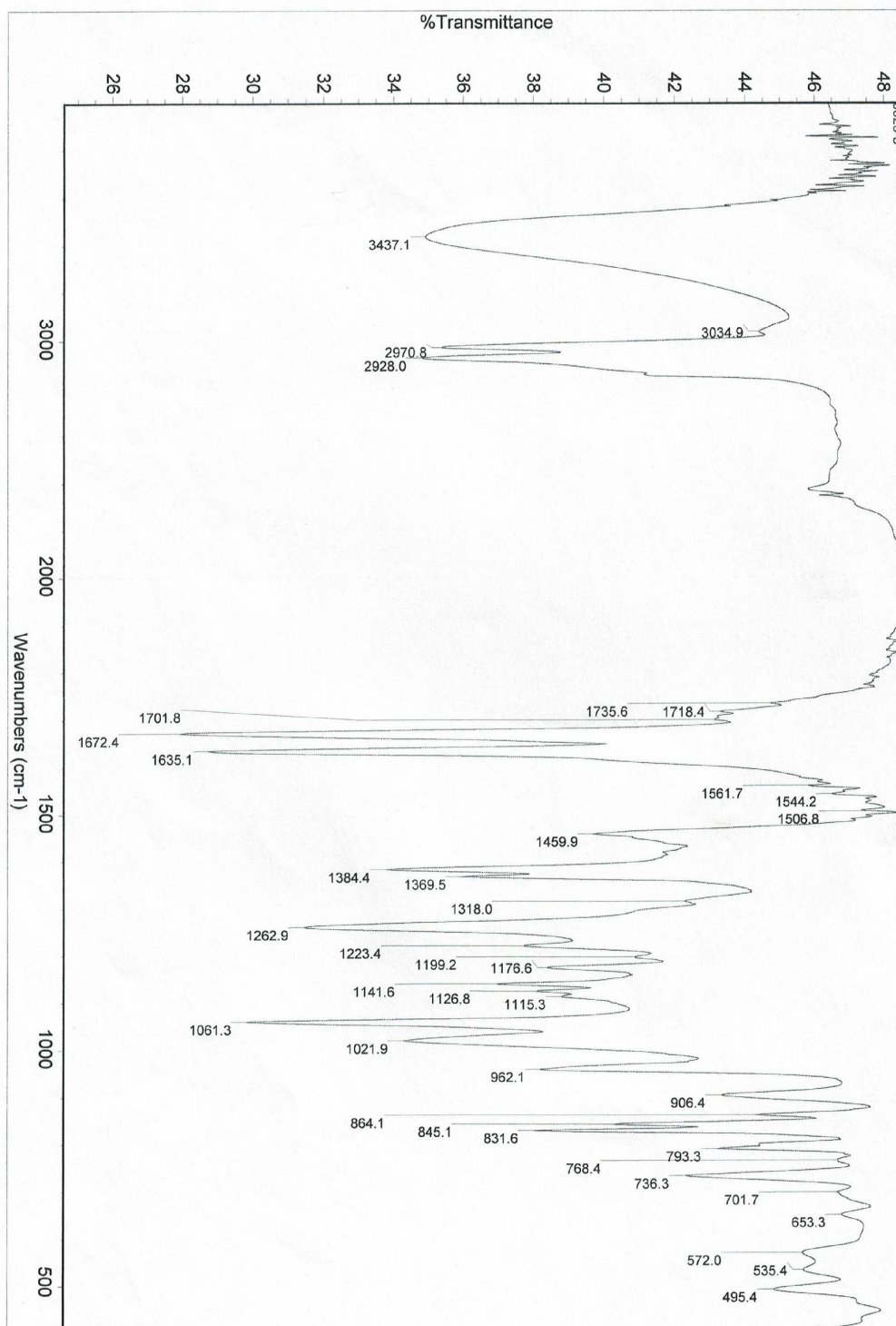
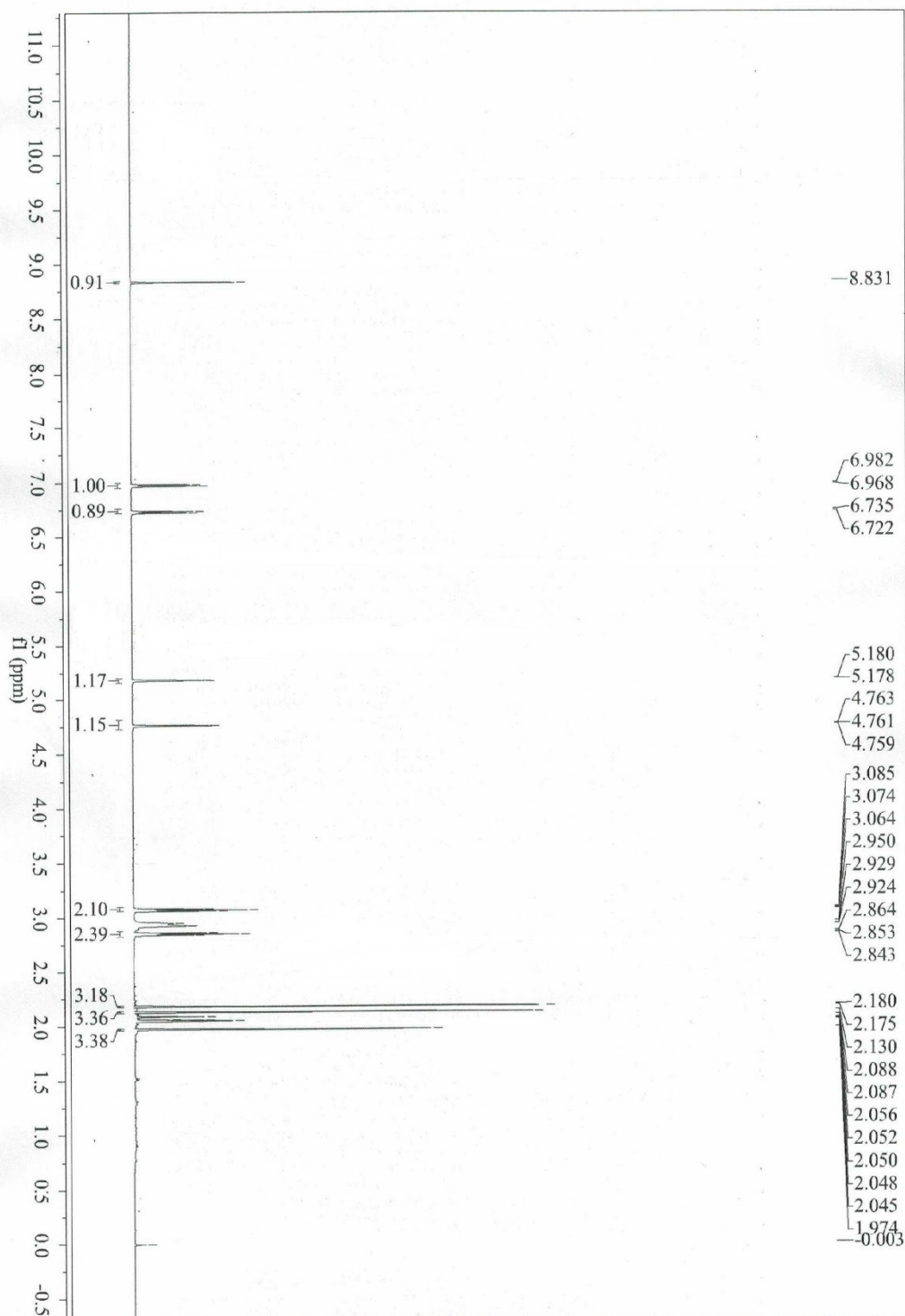
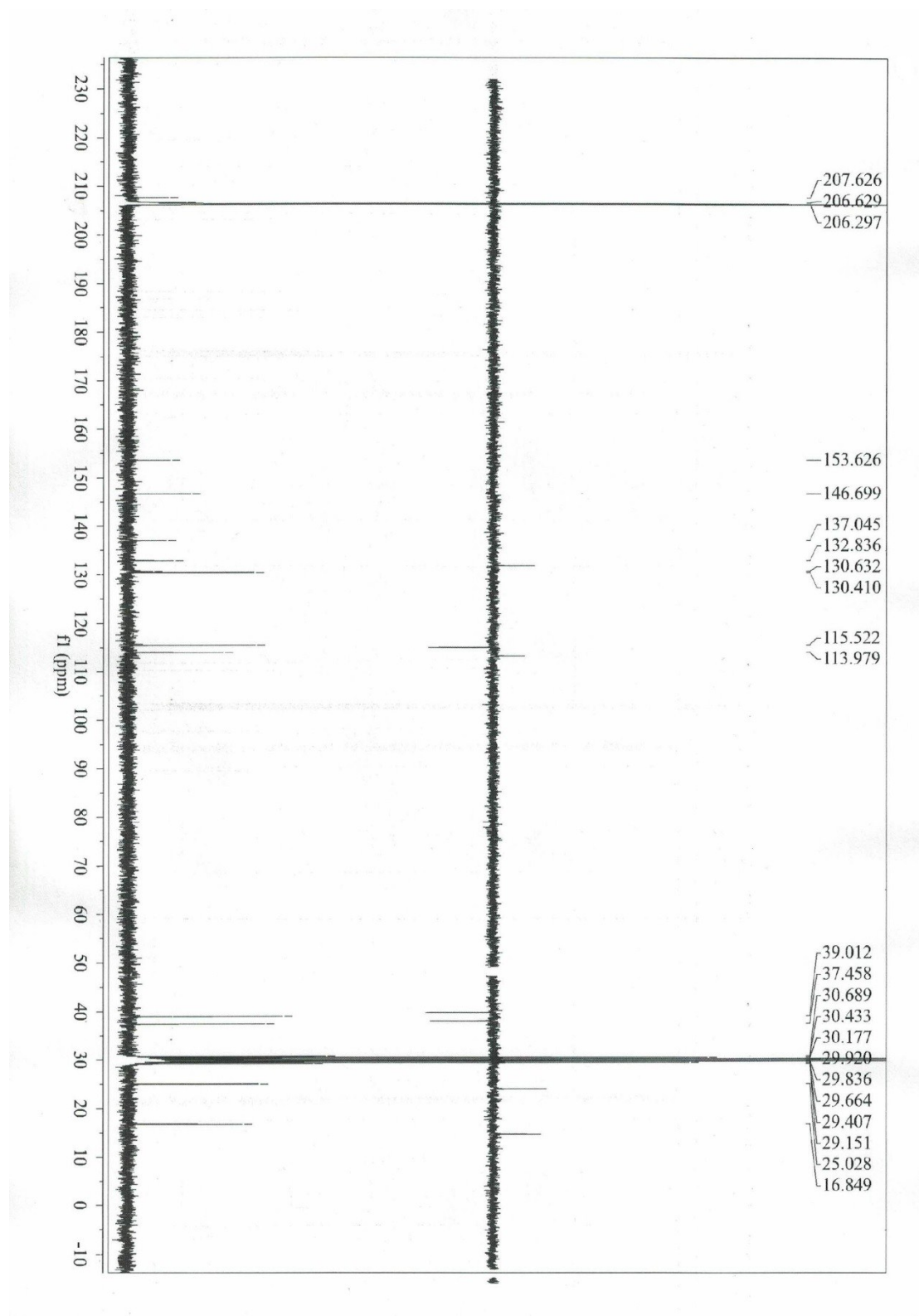


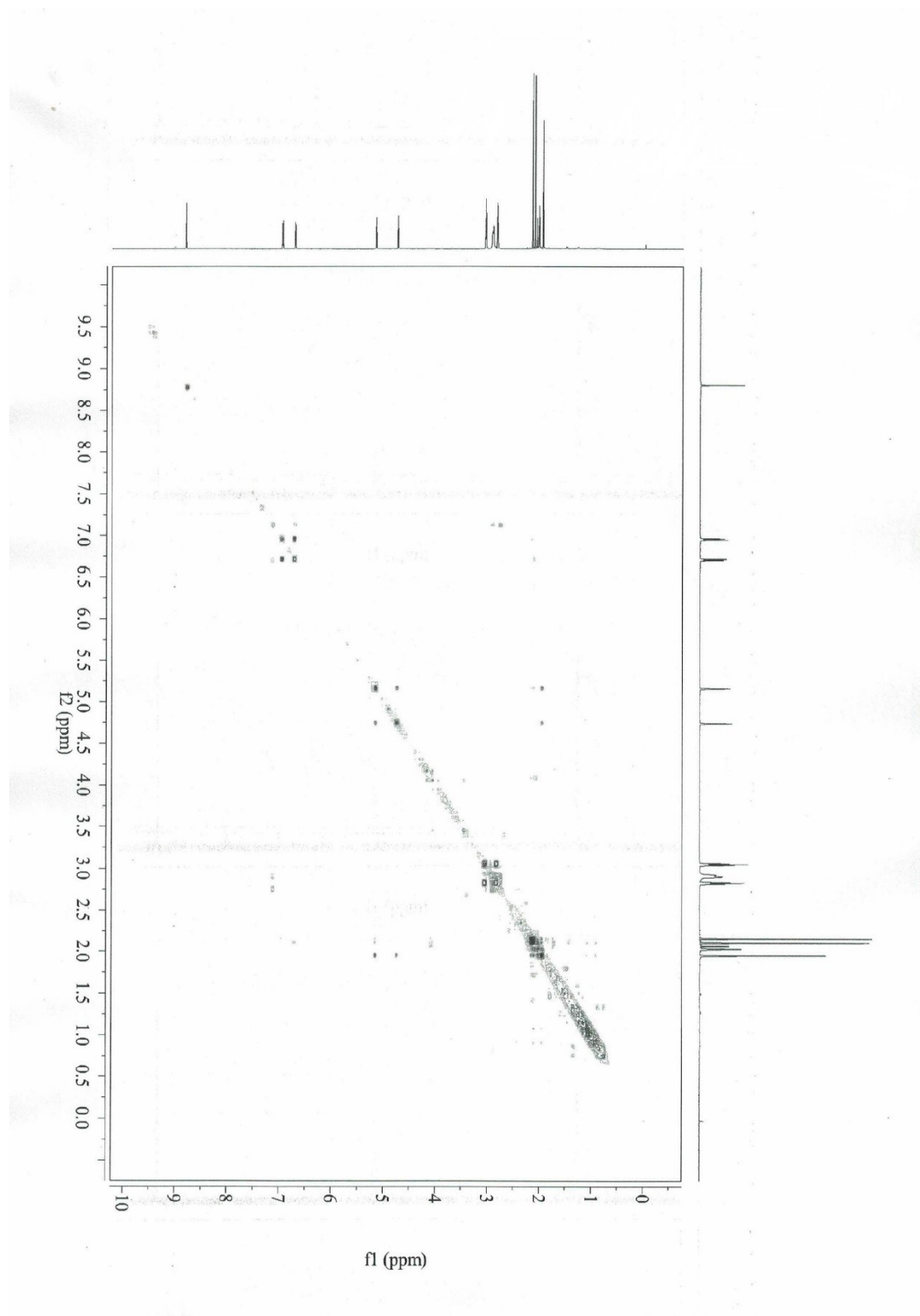
Fig. 9S  $^1\text{H}$  NMR (600 MHz, acetone- $d_6$ ) of compound 2



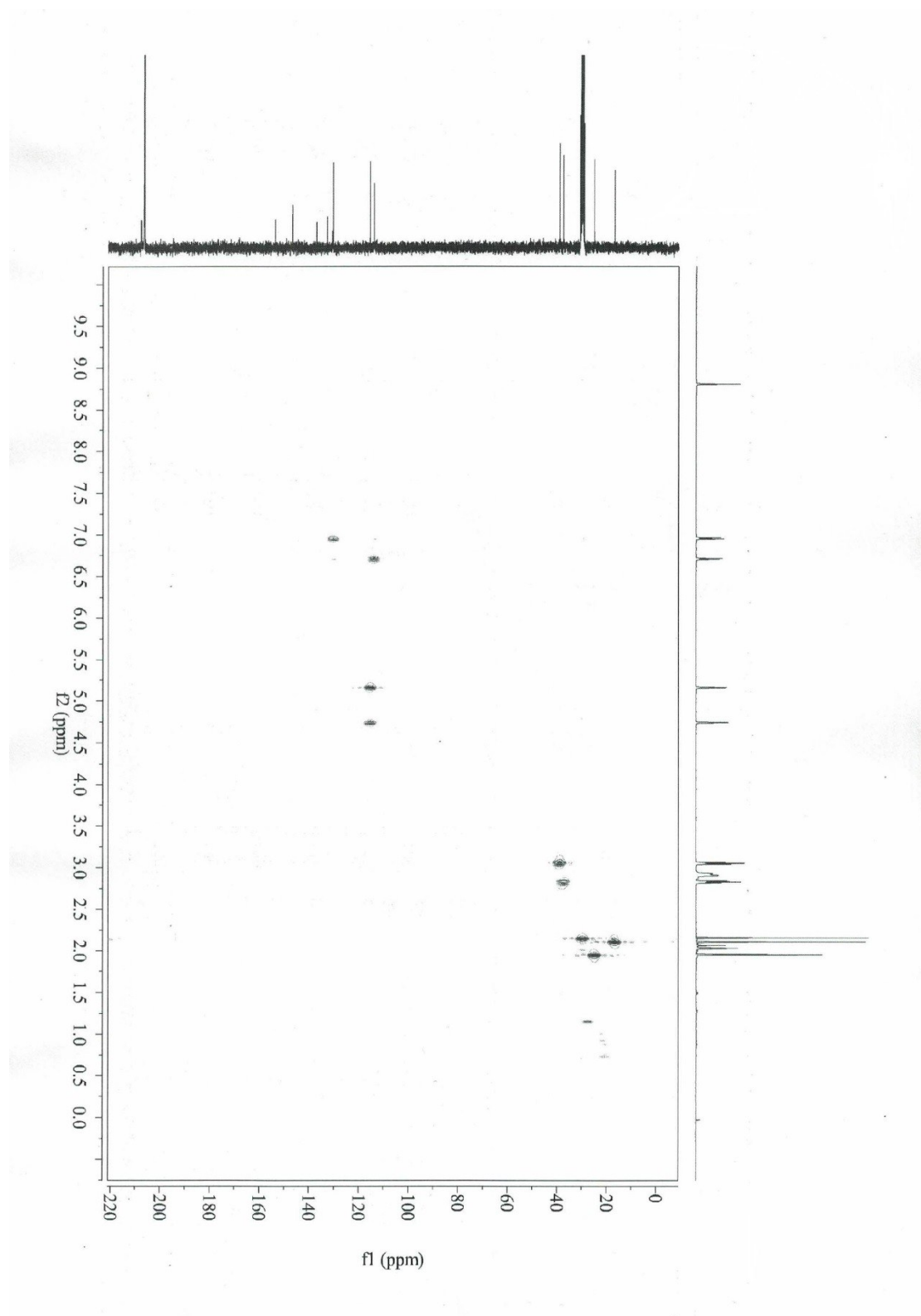
**Fig. 10S**  $^{13}\text{C}$  NMR and DEPT135 (150 MHz, acetone- $d_6$ ) of compound **2**



**Fig. 11S**  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of compound **2**



**Fig. 12S** HSQC spectrum of compound **2**



**Fig. 13S** HMBC spectrum of compound **2**





**Fig. 14S** NOESY spectrum of compound **2**

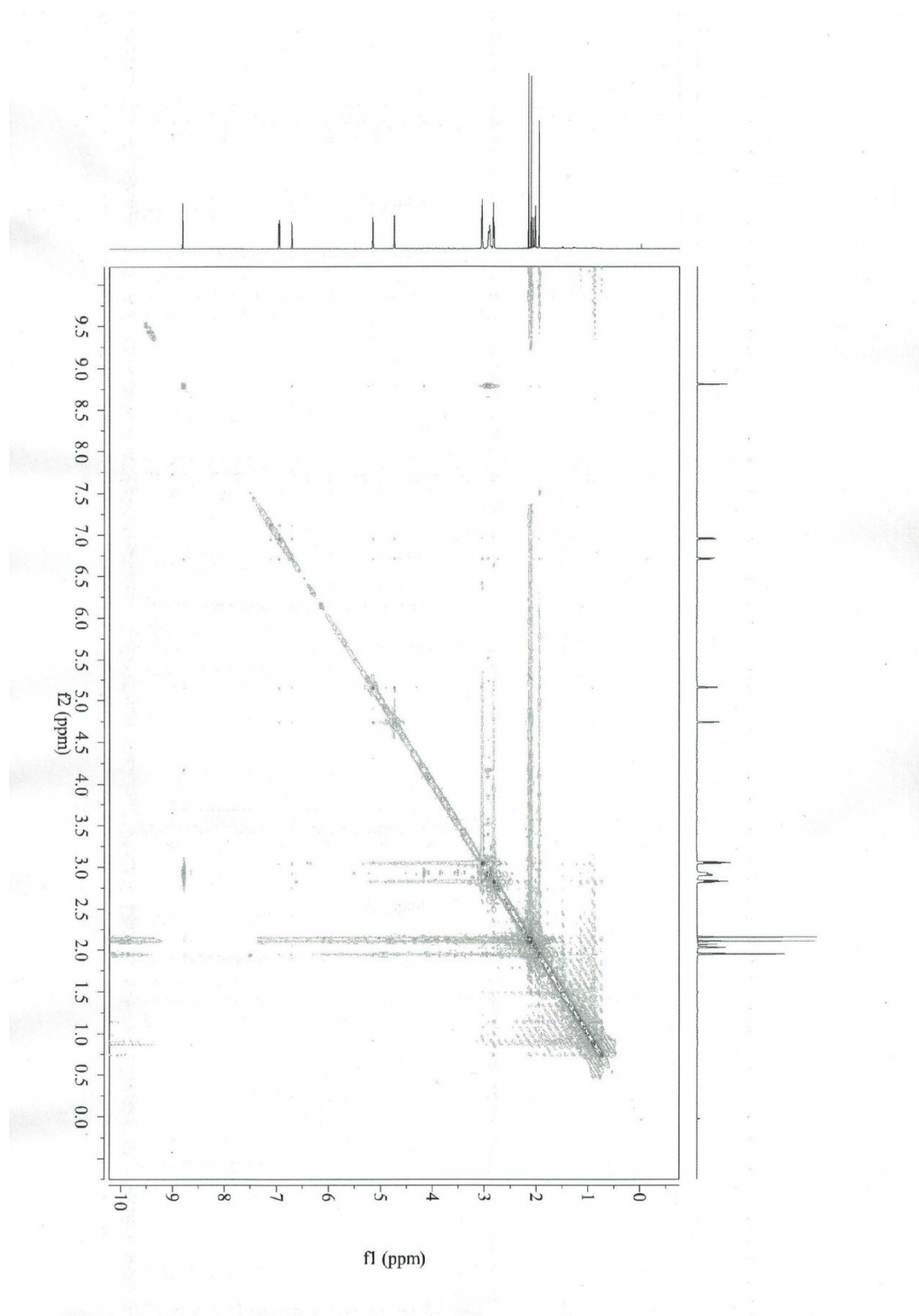


Fig. 15S HRESIMS spectrum of compound 2

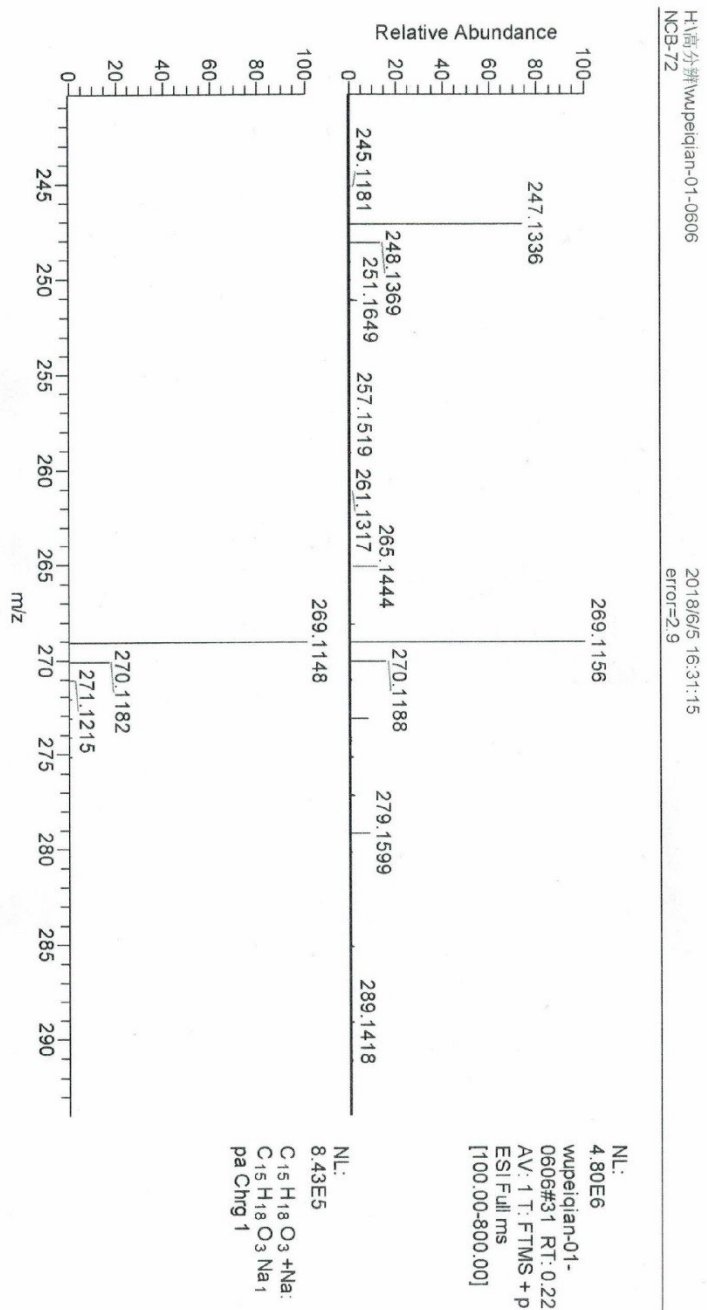


Fig. 16S IR spectrum of compound 2

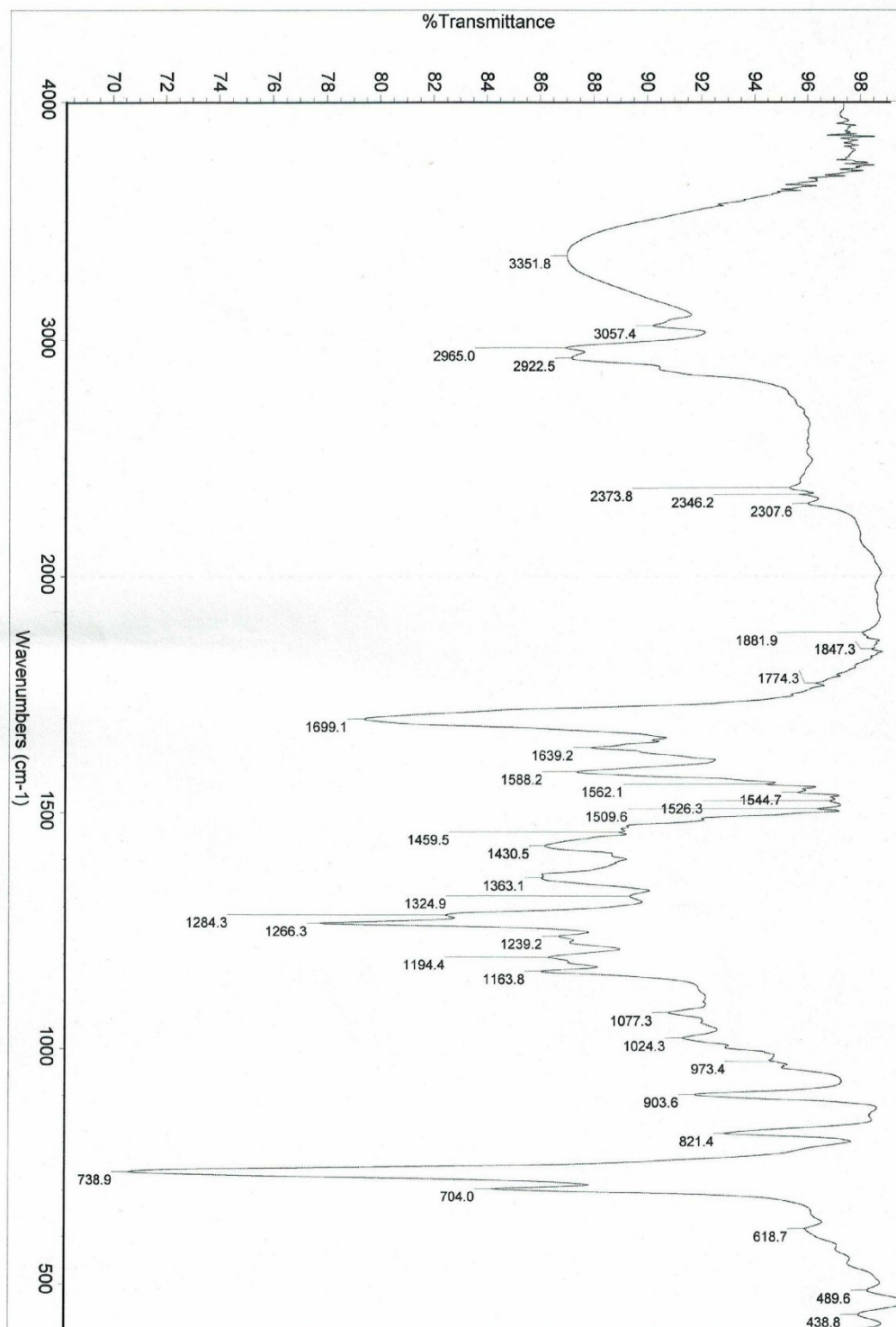
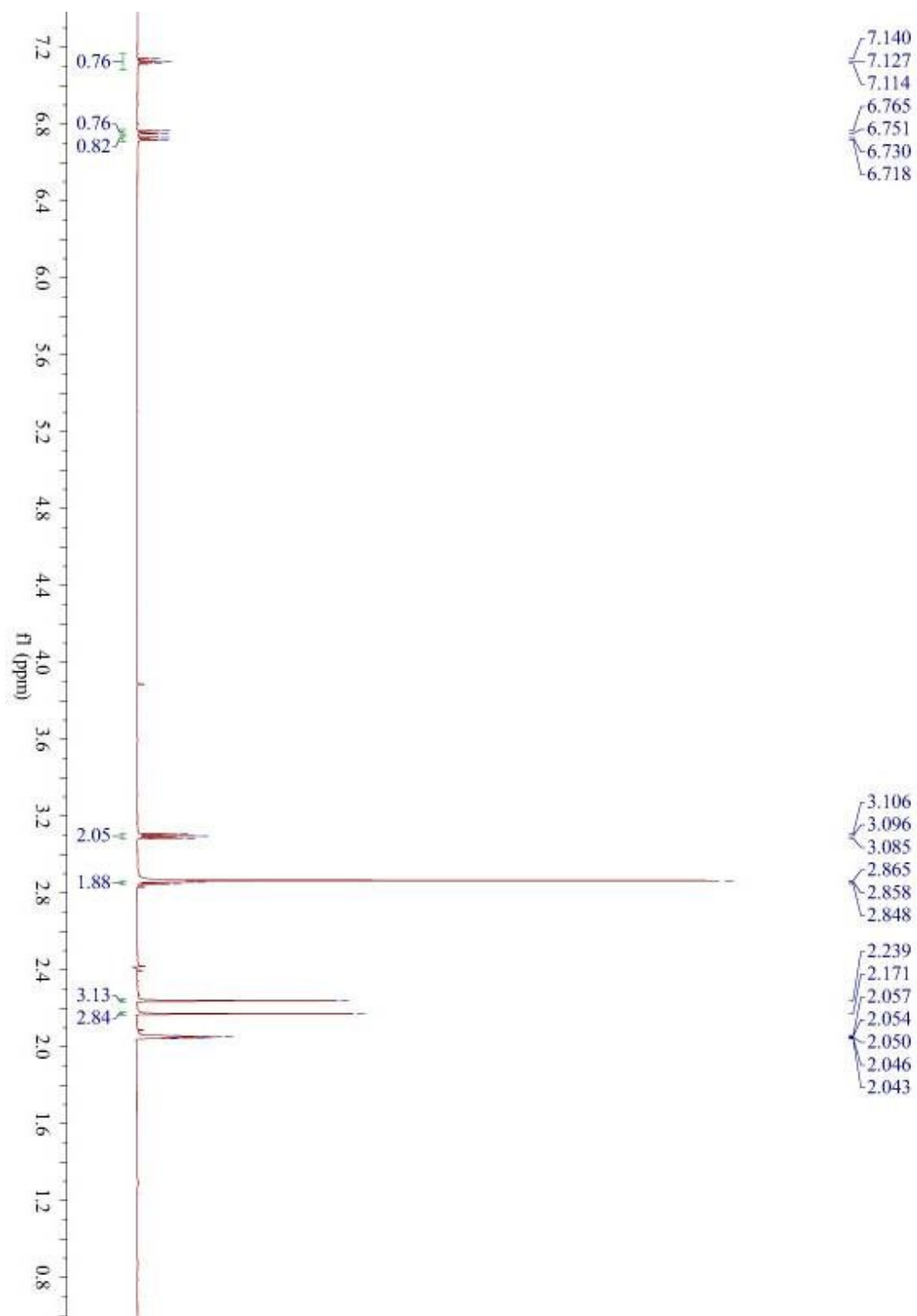
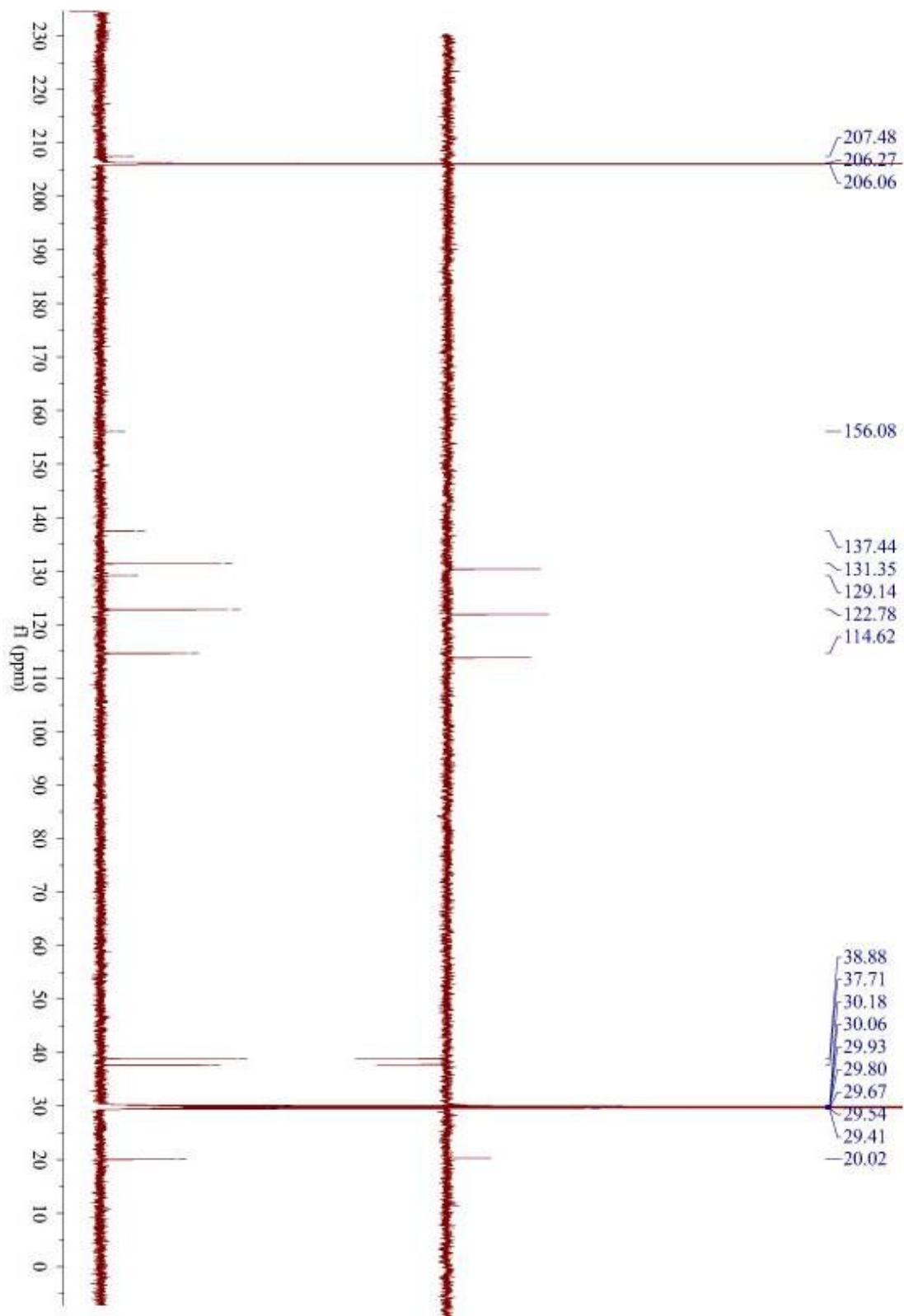


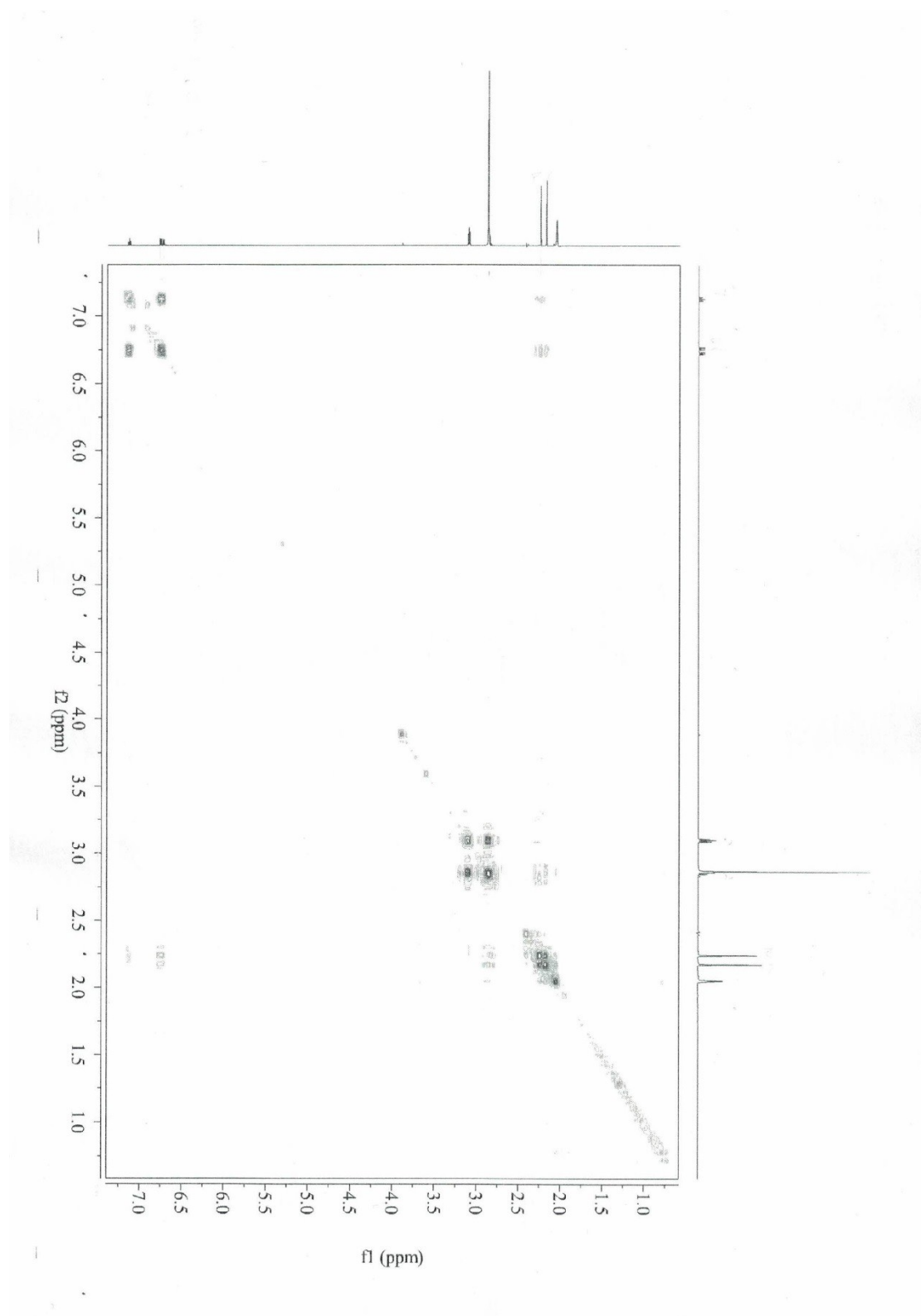
Fig. 17S <sup>1</sup>H NMR (600 MHz, acetone-*d*<sub>6</sub>) of compound 3



**Fig. 18S**  $^{13}\text{C}$  NMR and DEPT135 (150 MHz, acetone- $d_6$ ) of compound **3**



**Fig. 19S**  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of compound **3**



**Fig. 20S** HSQC spectrum of compound **3**

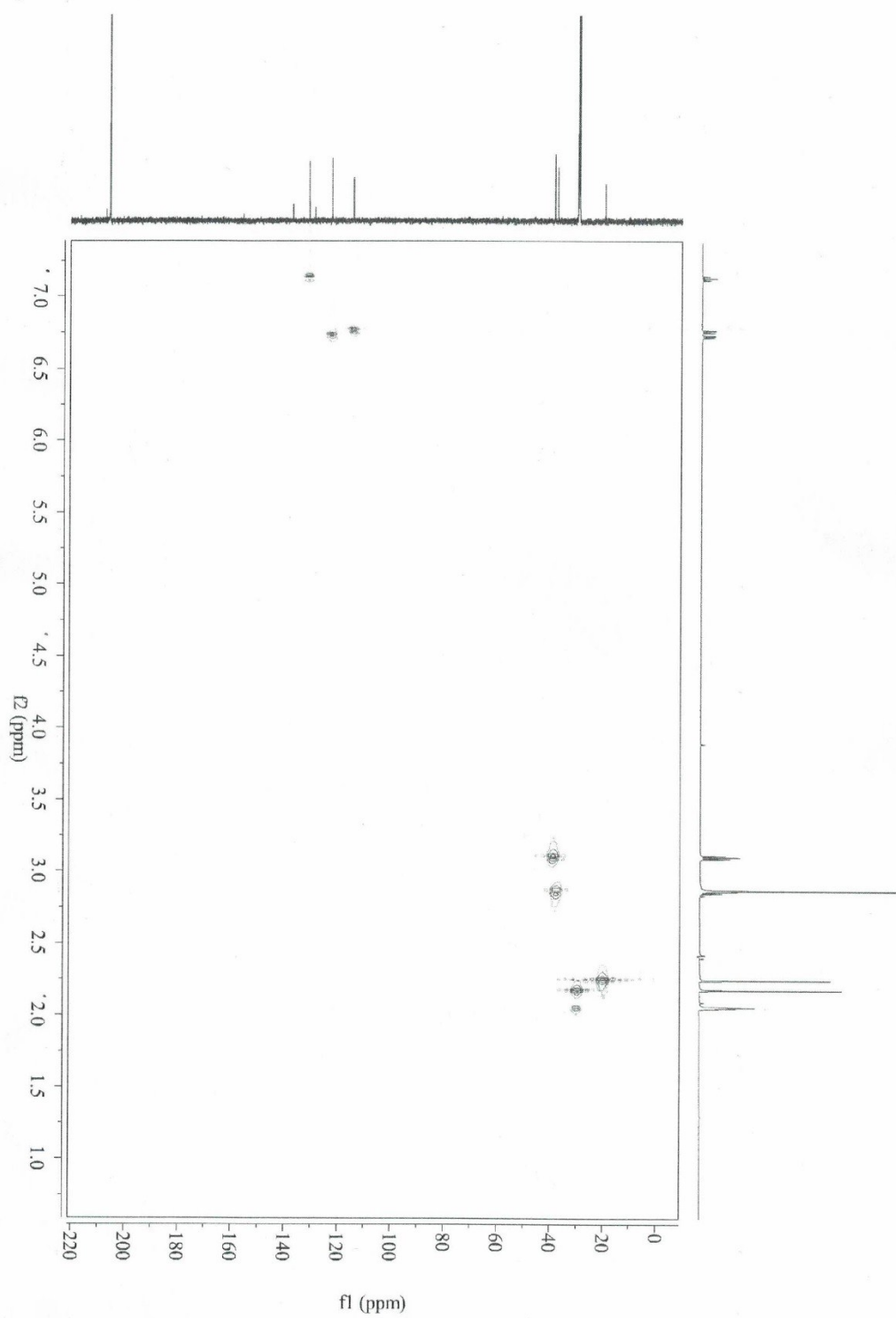
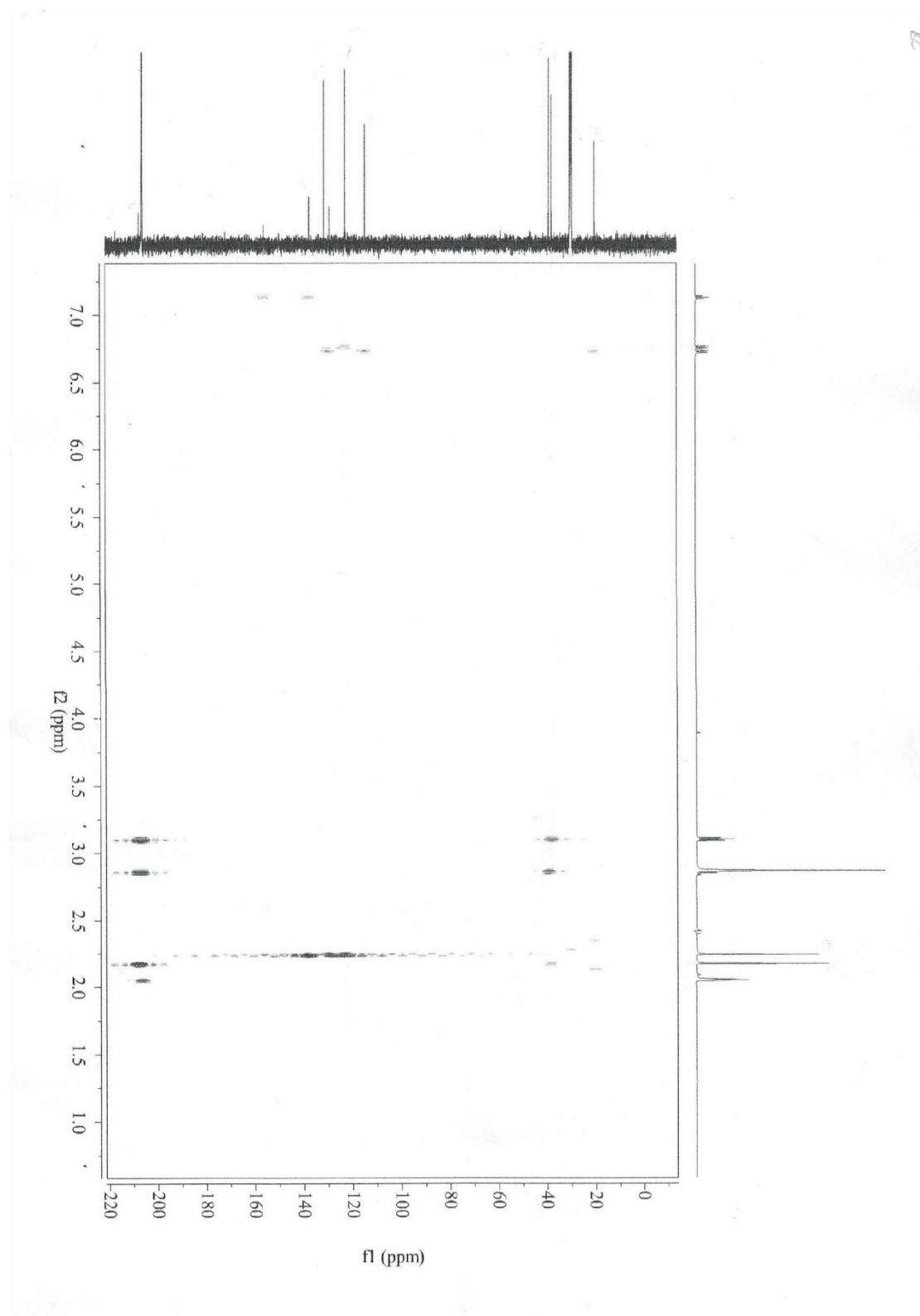


Fig. 21S HMBC spectrum of compound 3





**Fig. 22S** NOESY spectrum of compound **3**

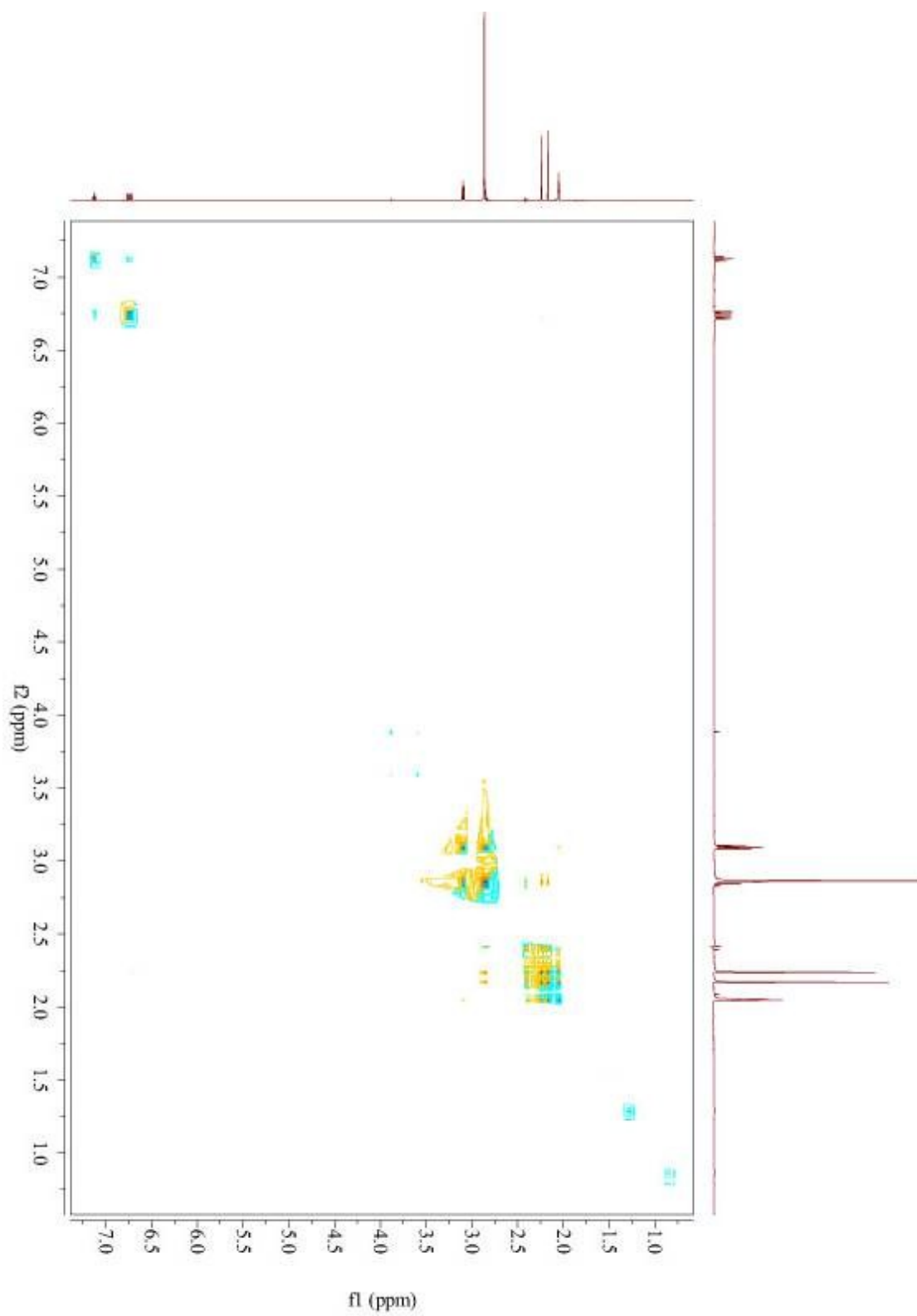


Fig. 23S HRESIMS spectrum of compound 3

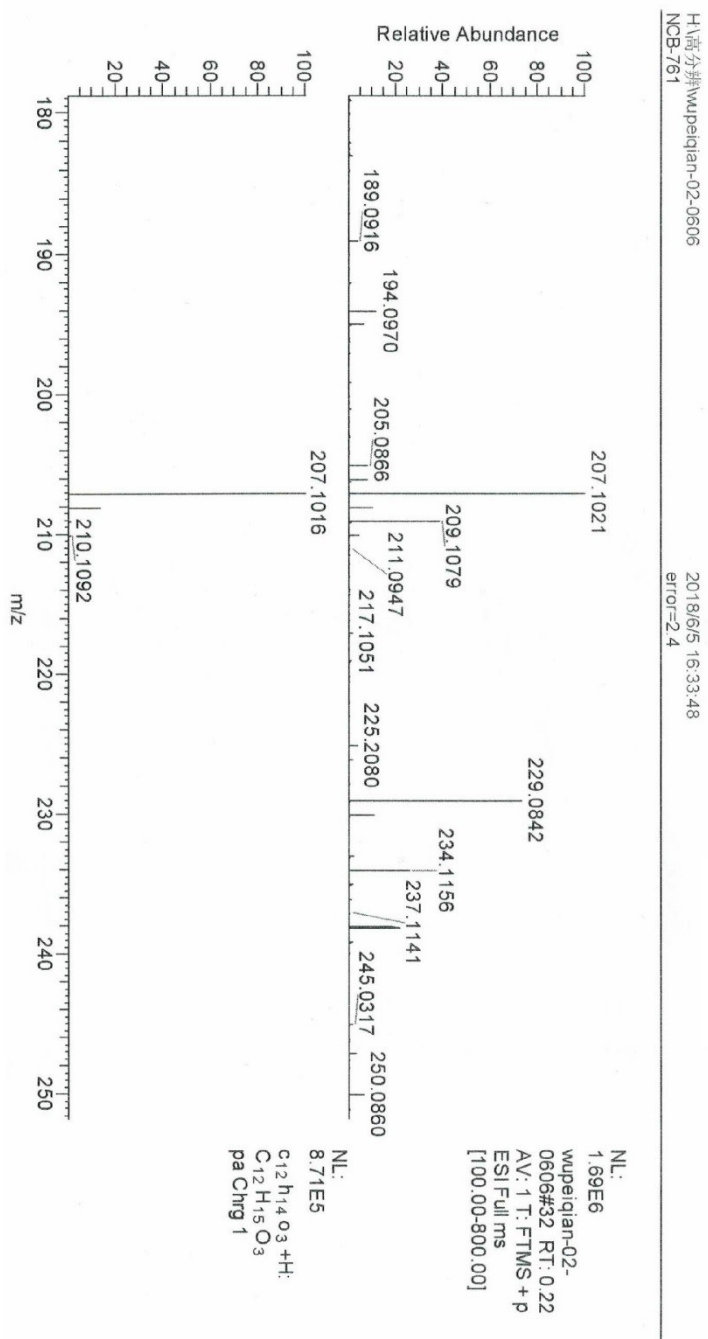


Fig. 24S IR spectrum of compound 3

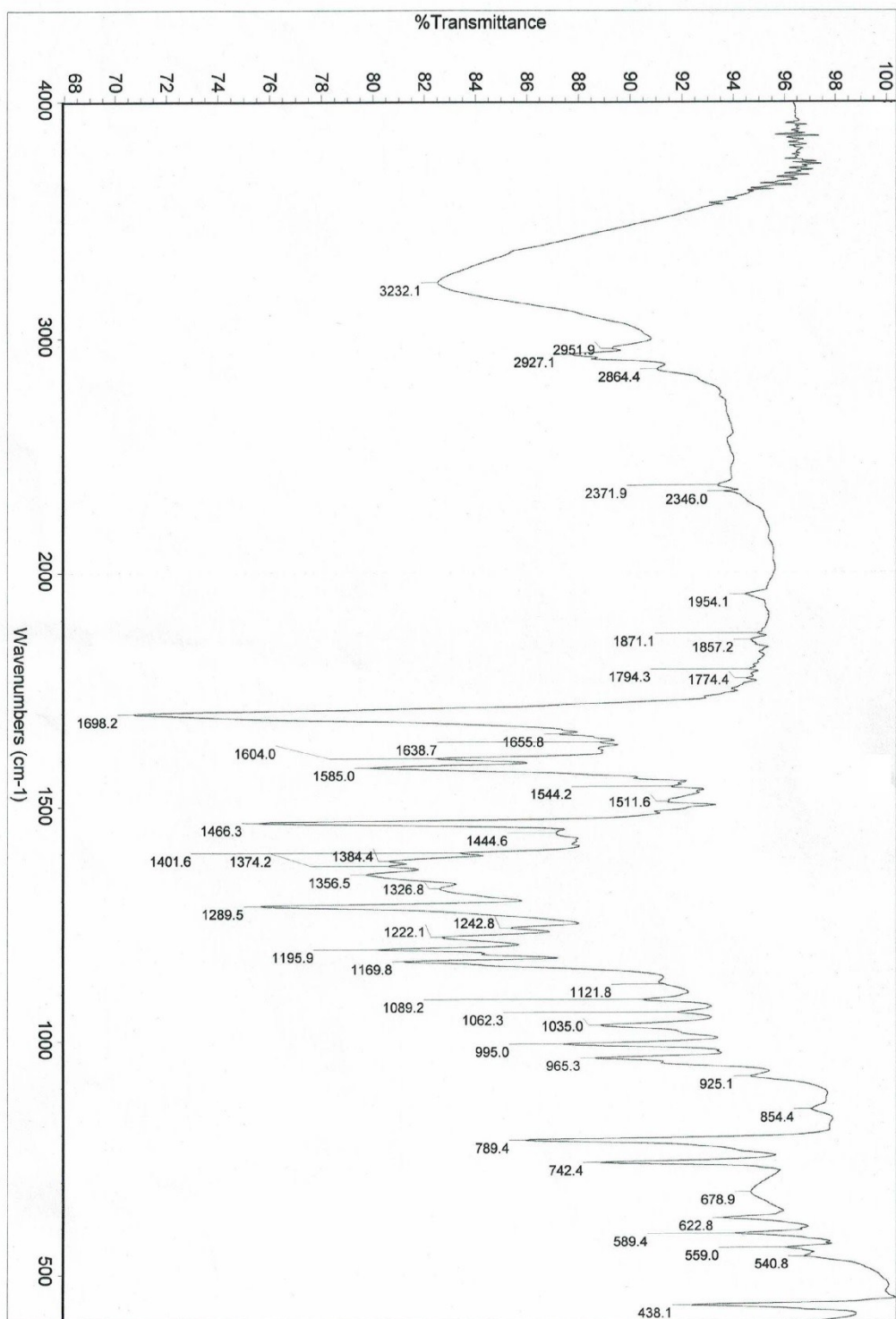
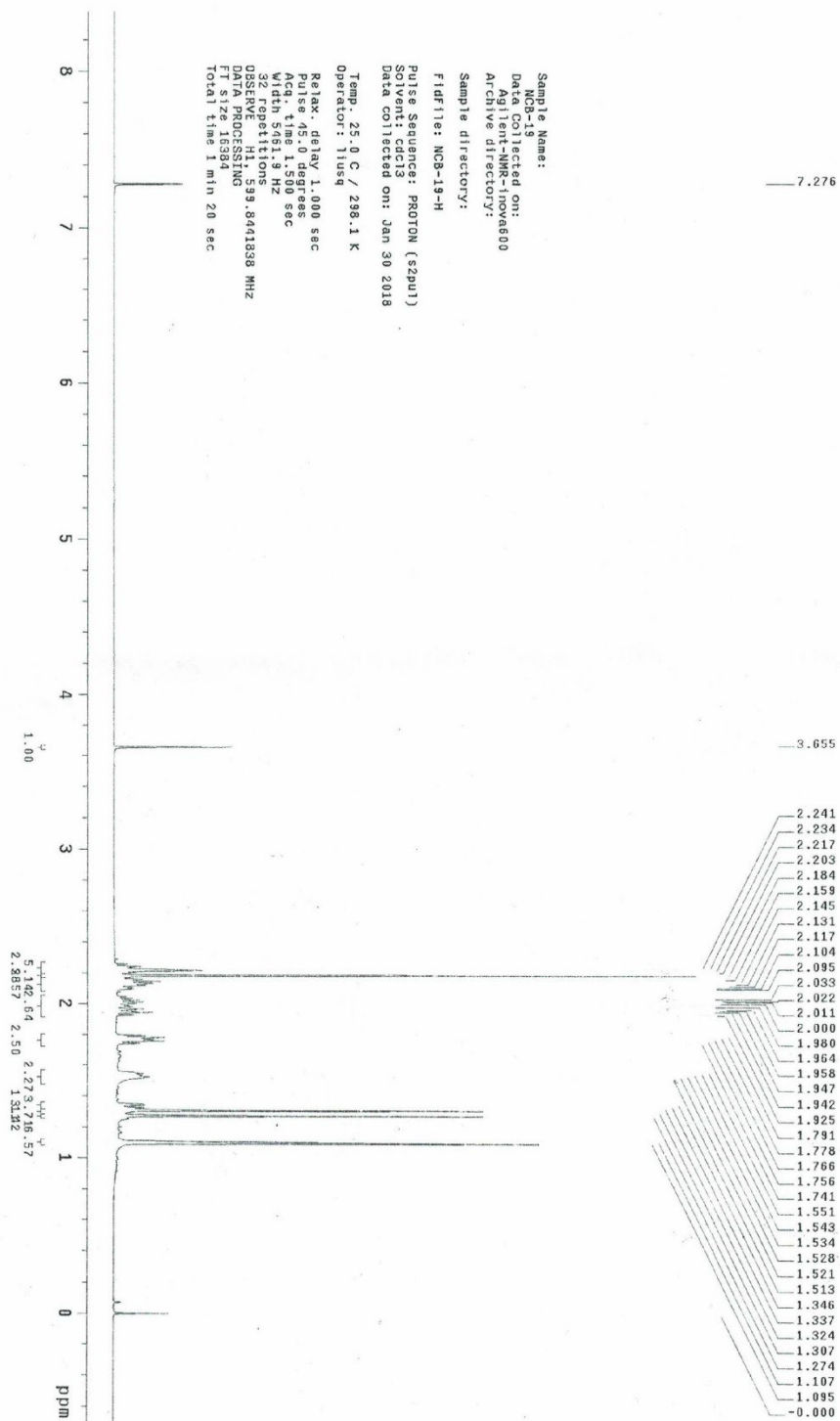


Fig. 25S <sup>1</sup>H NMR (600 MHz, CDCl<sub>3</sub>) of compound 4



**Fig. 26S**  $^{13}\text{C}$  NMR and DEPT135 (150 MHz,  $\text{CDCl}_3$ ) of compound **4**

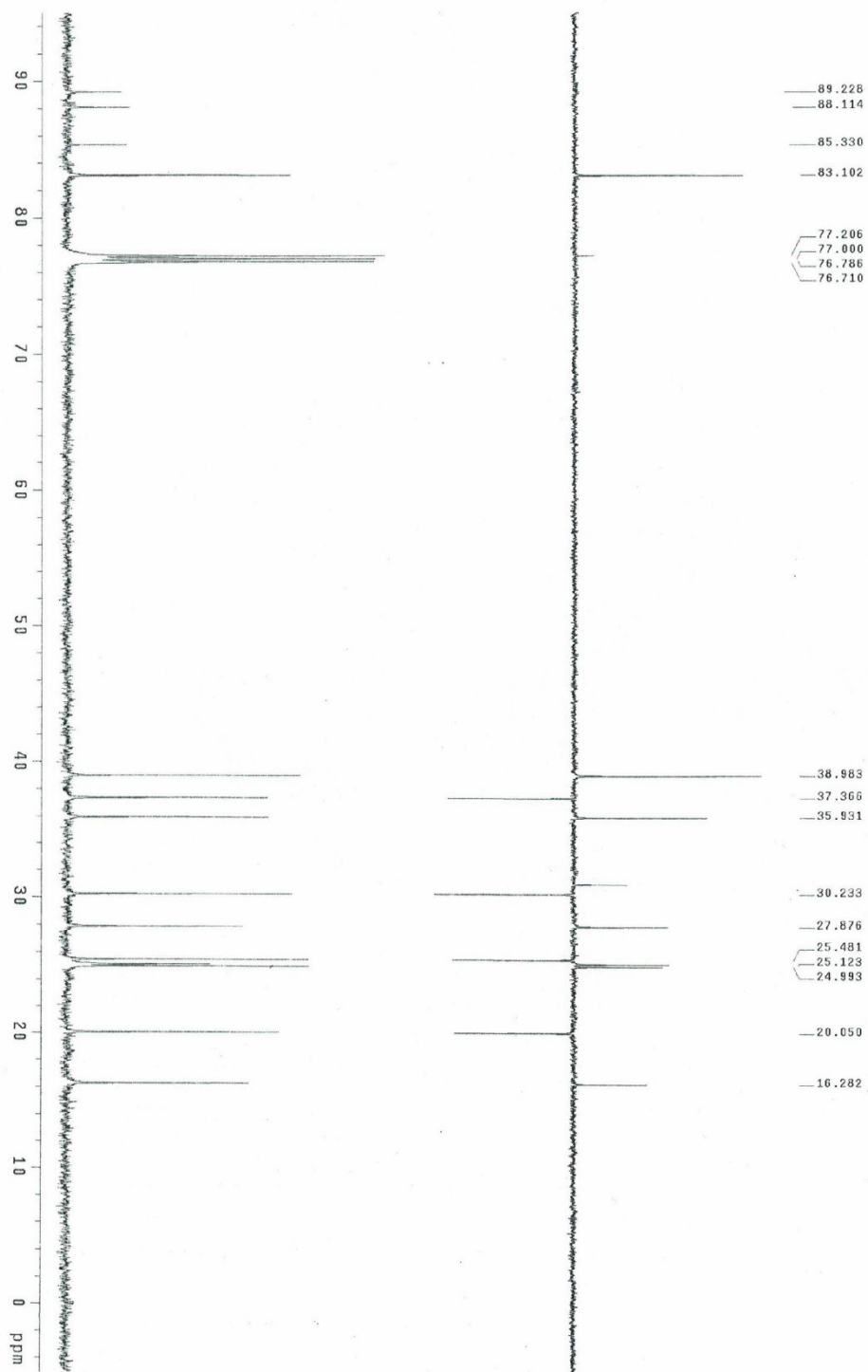


Fig. 27S  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of compound 4

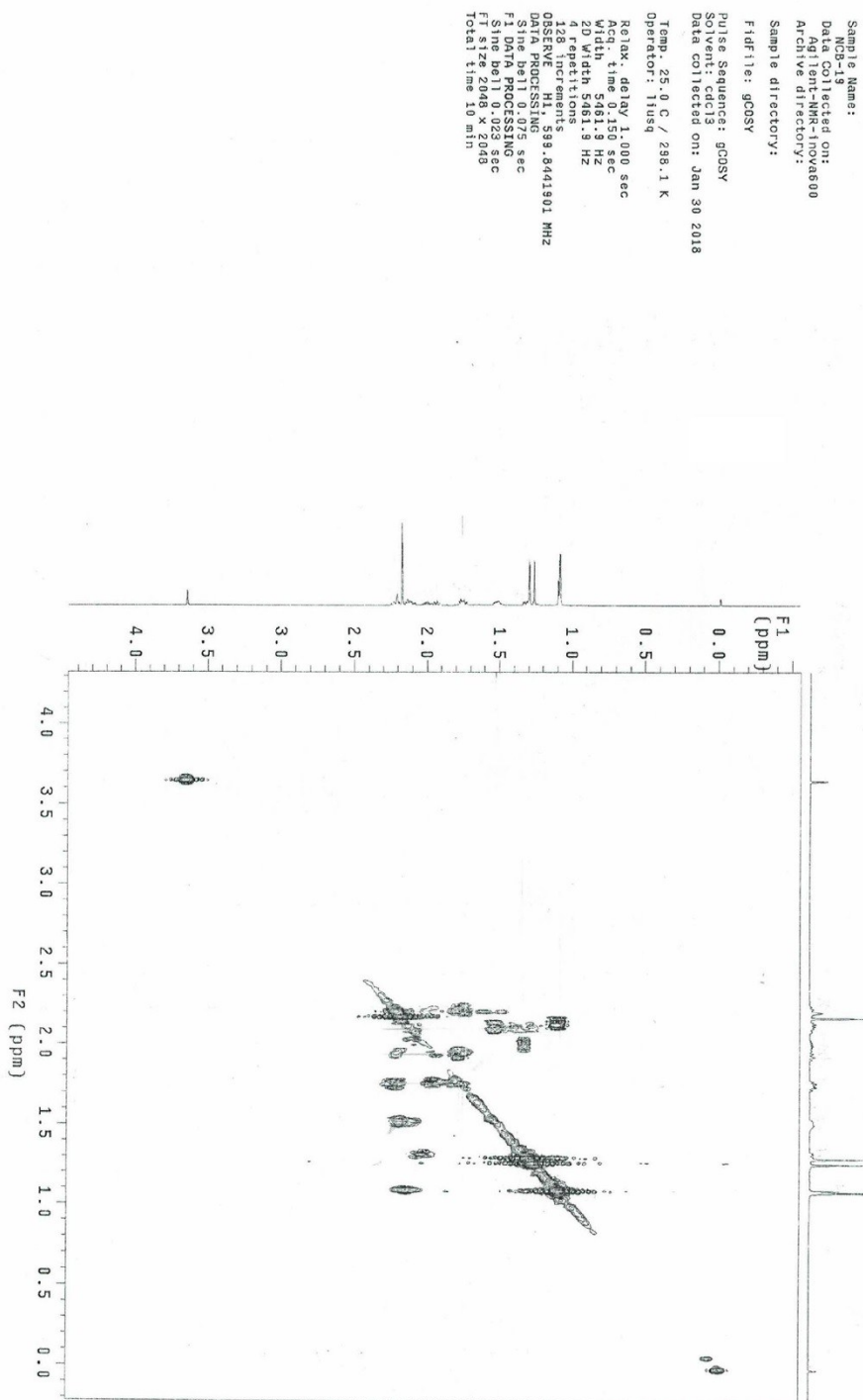


Fig. 28S HSQC spectrum of compound 4

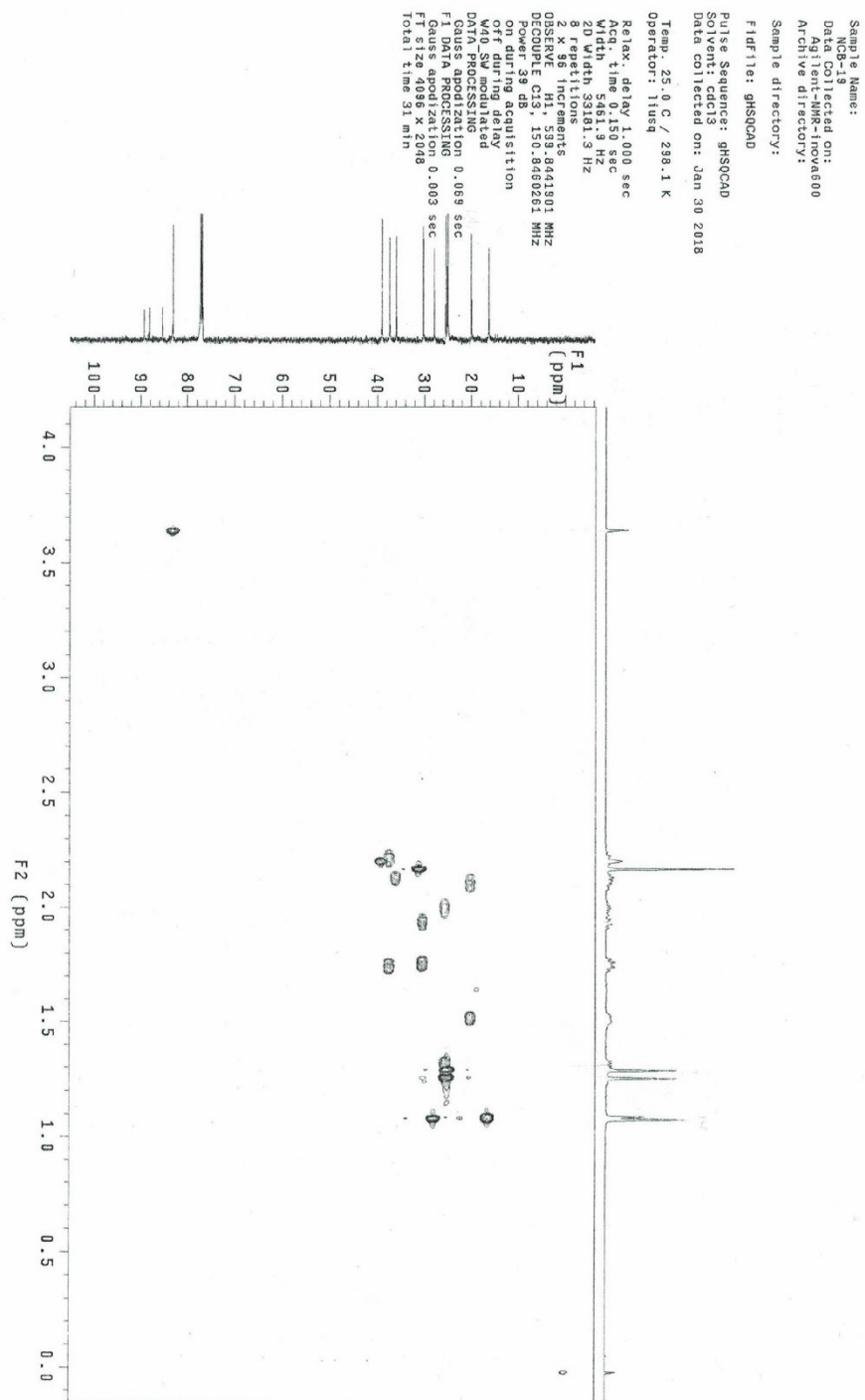
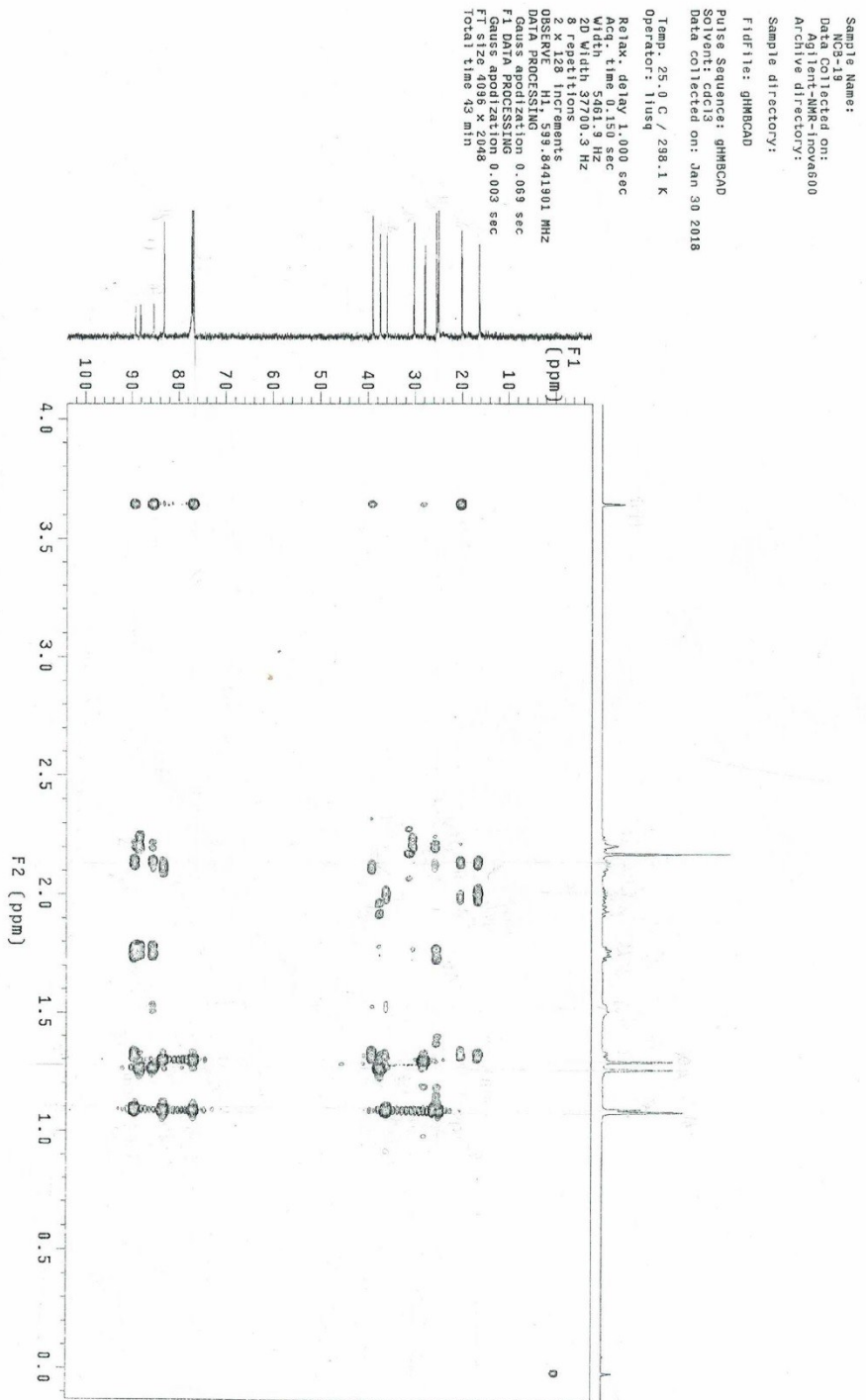


Fig. 29S HMBC spectrum of compound 4





**Fig. 30S** NOESY spectrum of compound **4**

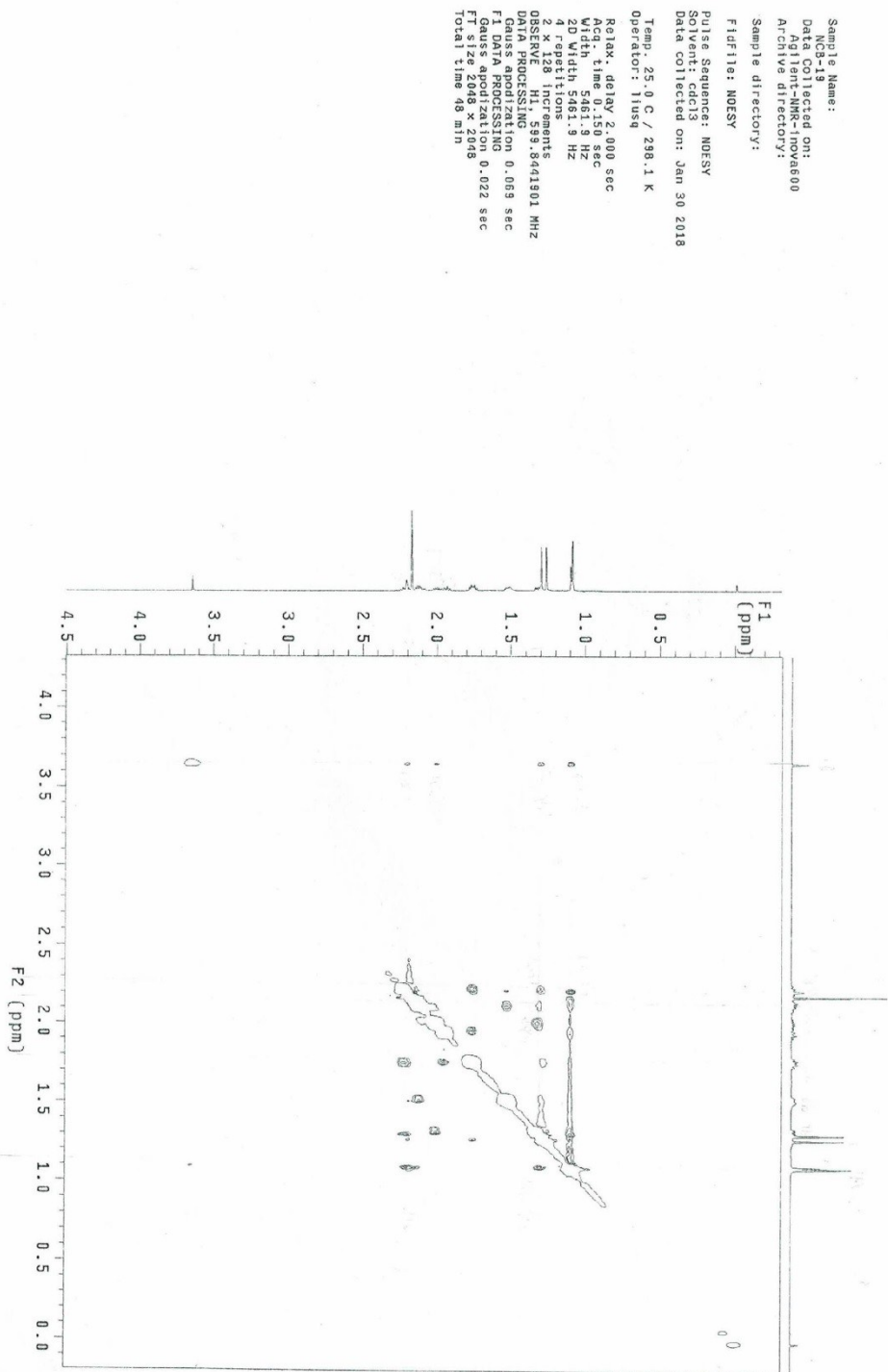


Fig. 31S HRESIMS spectrum of compound 4

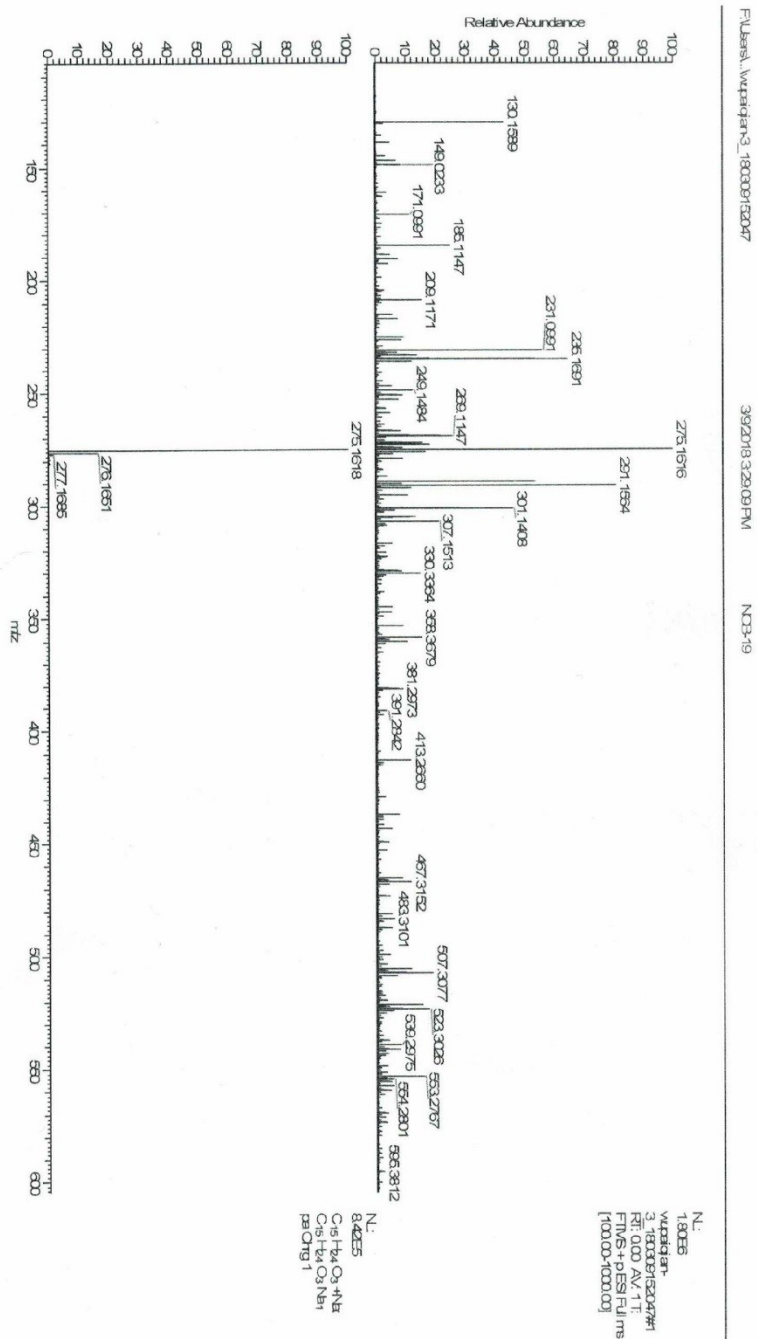


Fig. 32S IR spectrum of compound 4

