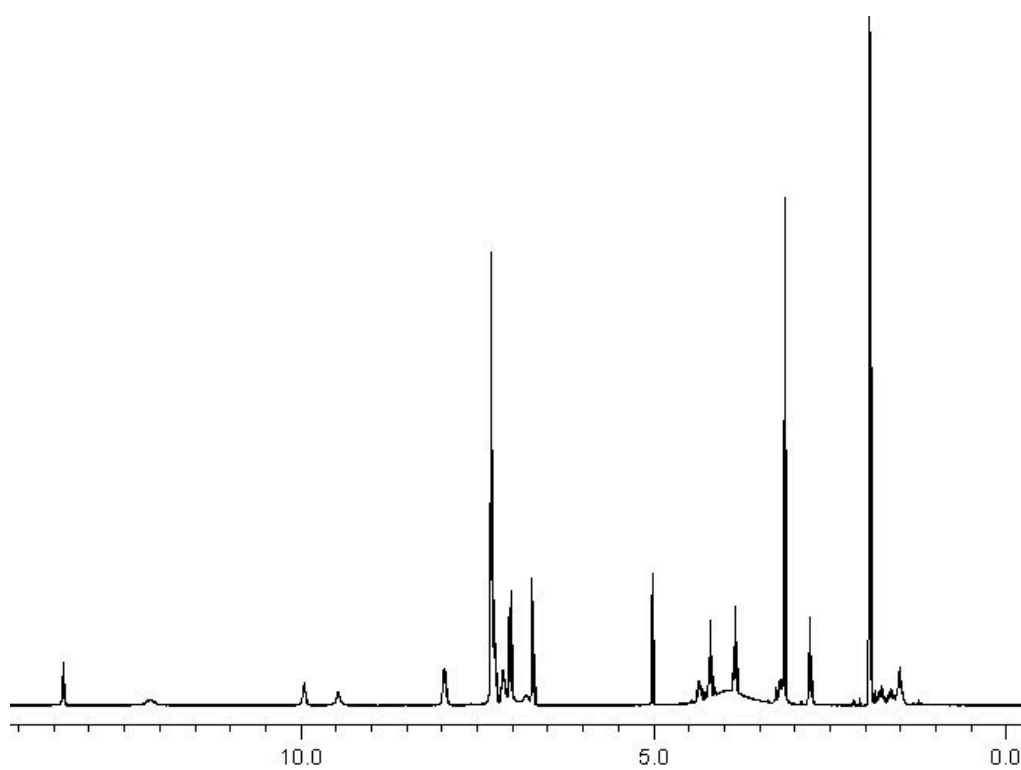


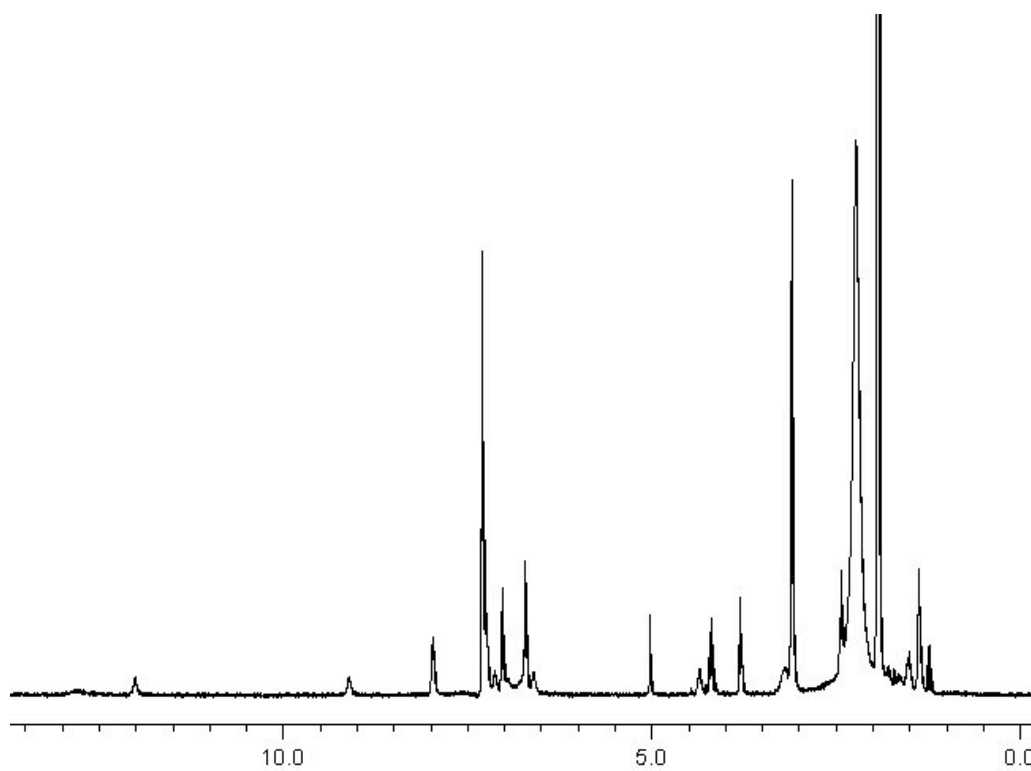
# **Towards Catalytic Staining of G Protein-coupled Receptors: Synthesis of DMAP-Modified NPY Y<sub>1</sub> Antagonists**

## **Supporting Information**

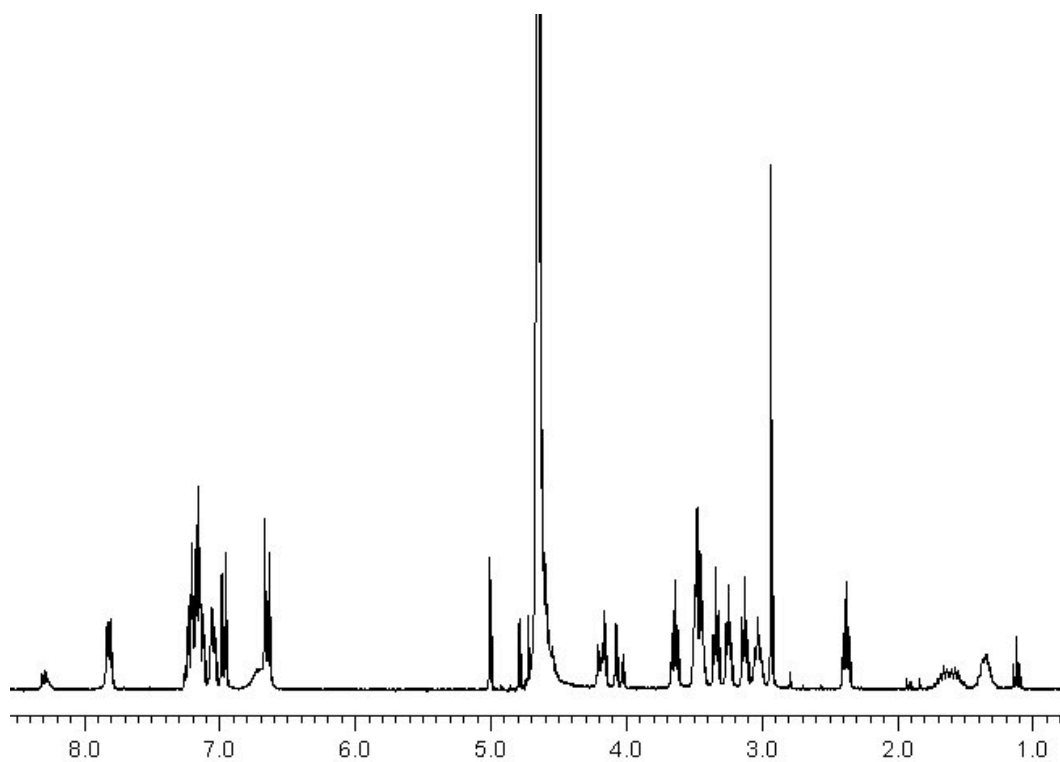
	Page
1. Proton and Carbon NMR spectra	S-2
2. LC-MS protocols	S-10



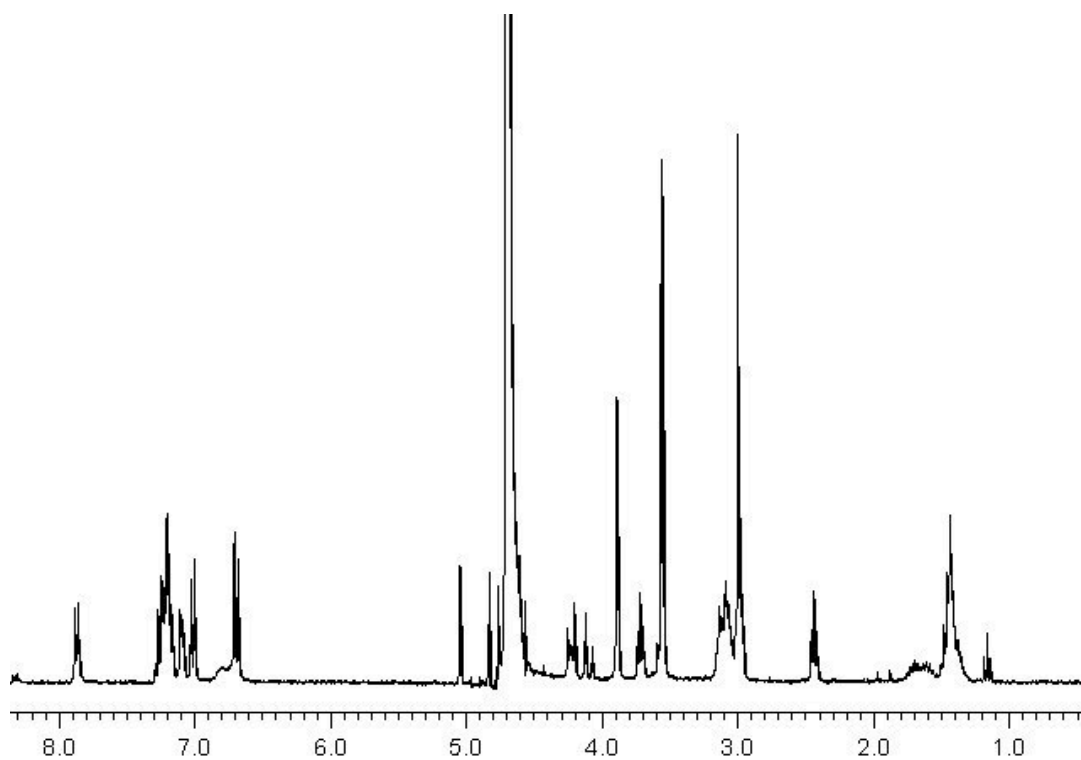
<sup>1</sup>H-NMR (300 MHz, CD<sub>3</sub>CN) of compound **1a**



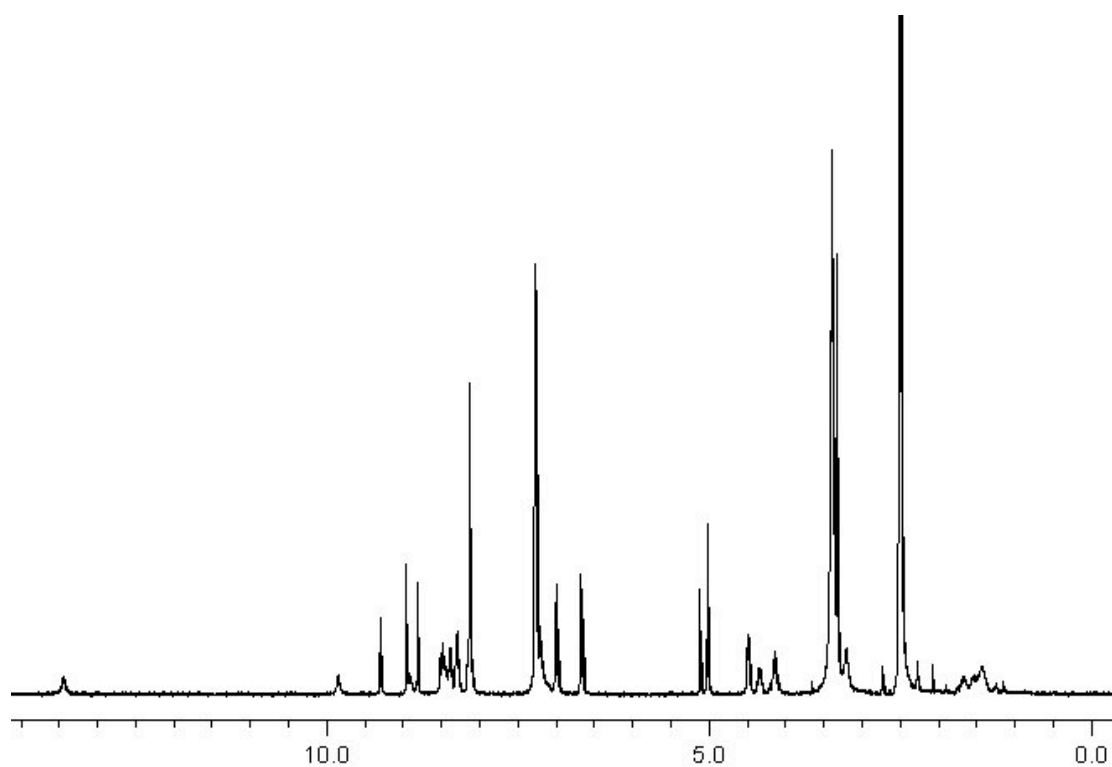
<sup>1</sup>H-NMR (300 MHz, CD<sub>3</sub>CN) of compound **1b**



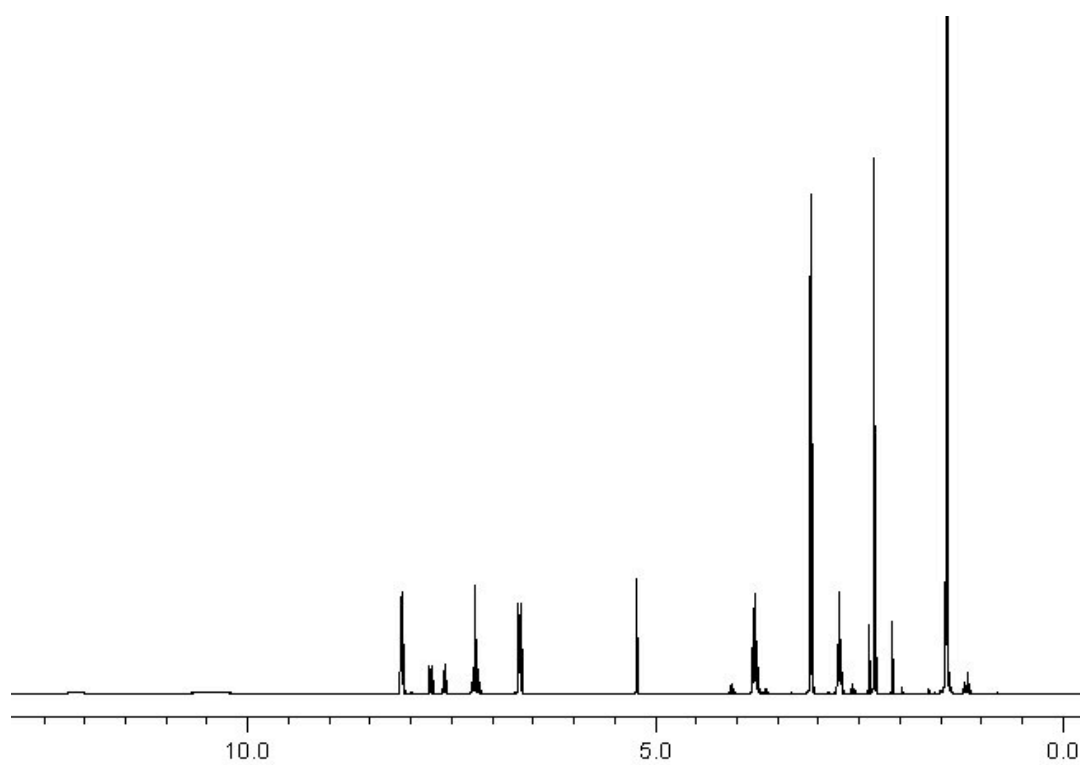
<sup>1</sup>H-NMR (300 MHz, D<sub>2</sub>O) of compound **1c**



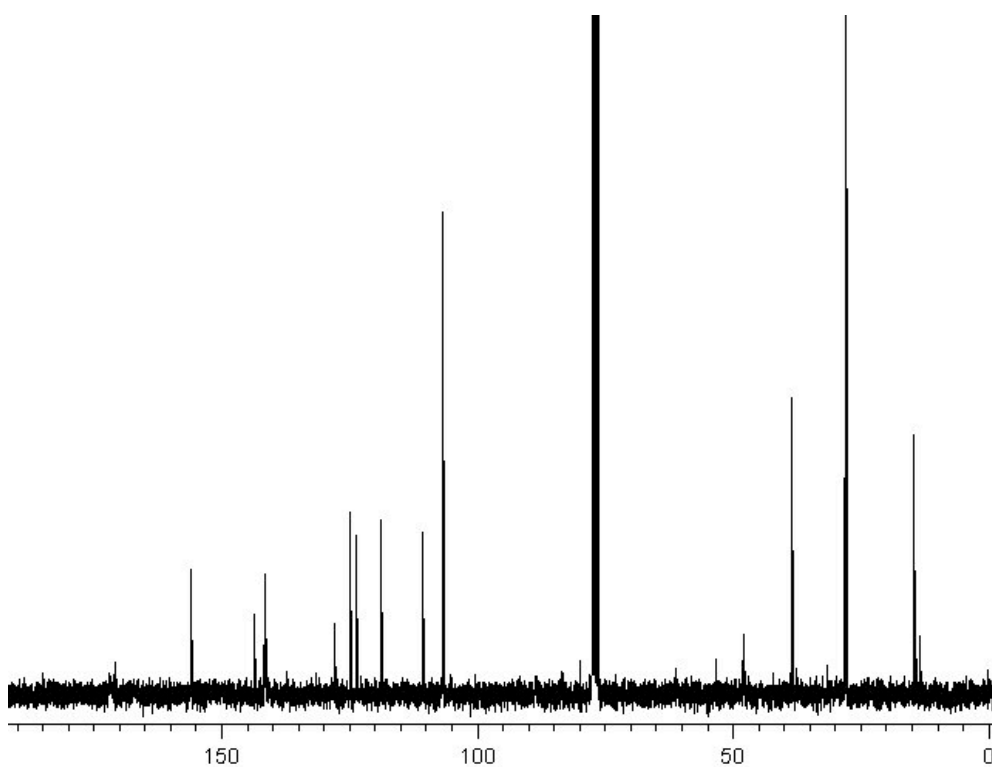
<sup>1</sup>H-NMR (300 MHz, D<sub>2</sub>O) of compound **1d**



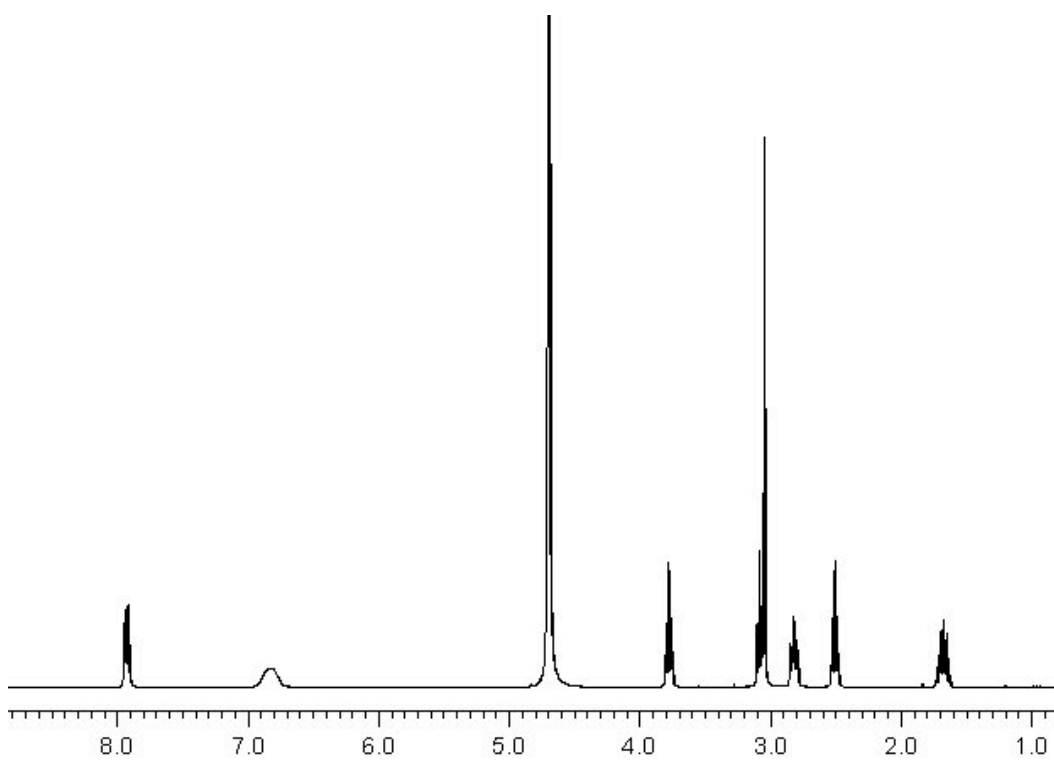
<sup>1</sup>H-NMR (300 MHz, DMSO-d<sub>6</sub>) of compound 1e



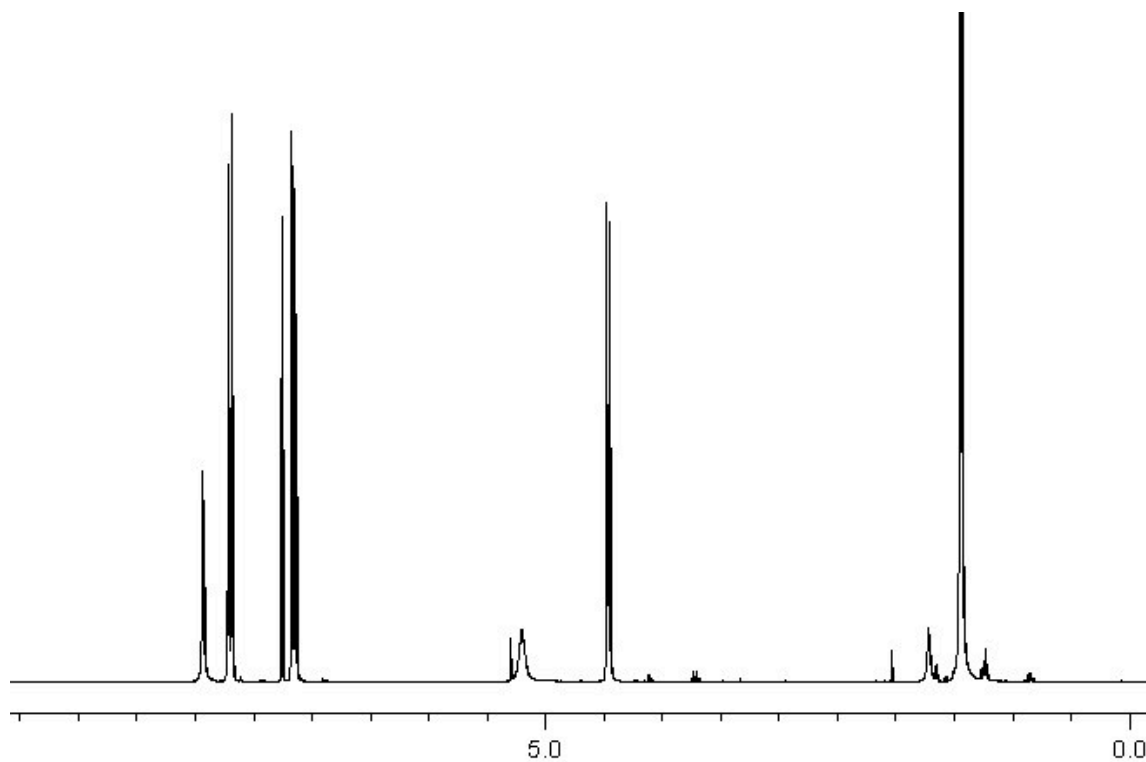
<sup>1</sup>H-NMR (300 MHz, CDCl<sub>3</sub>) of compound 7



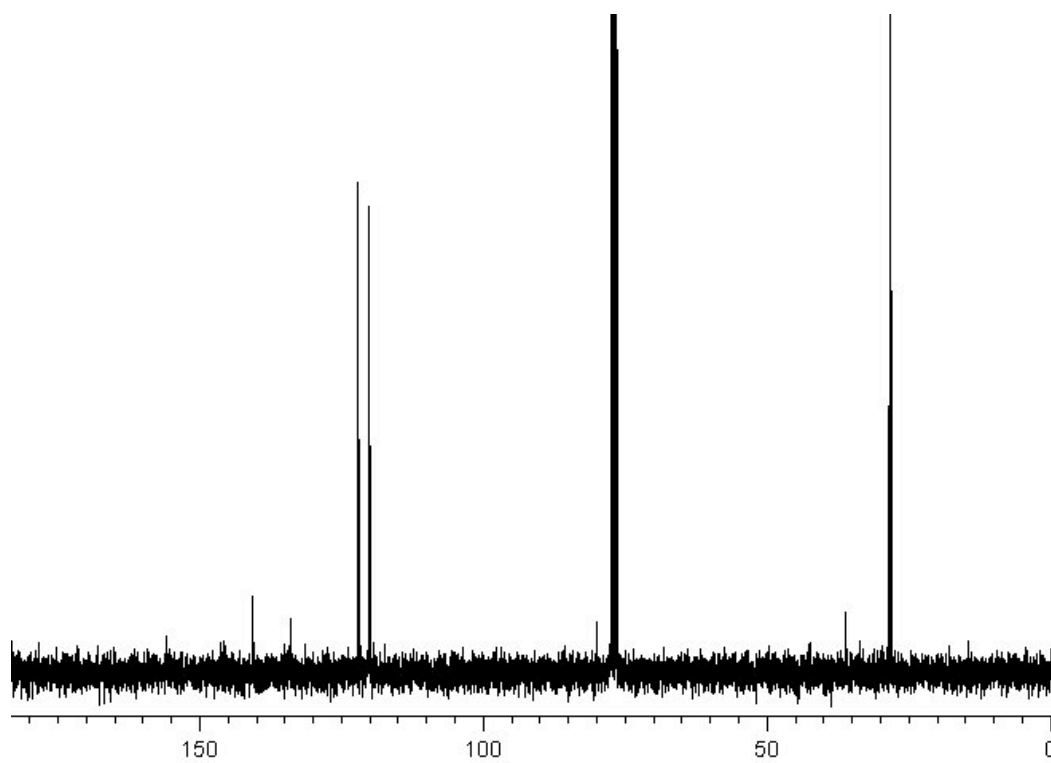
$^{13}\text{C}$ -NMR (75 MHz,  $\text{CDCl}_3$ ) of compound **7**



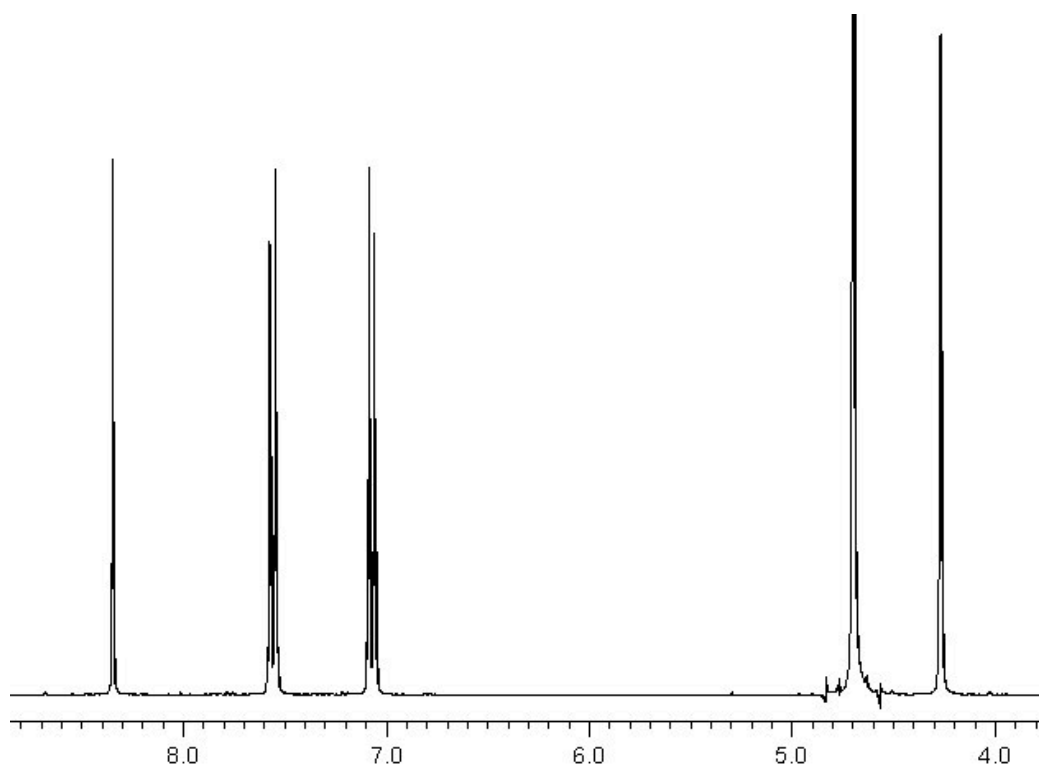
$^1\text{H}$ -NMR (300 MHz,  $\text{D}_2\text{O}$ ) of compound **12**



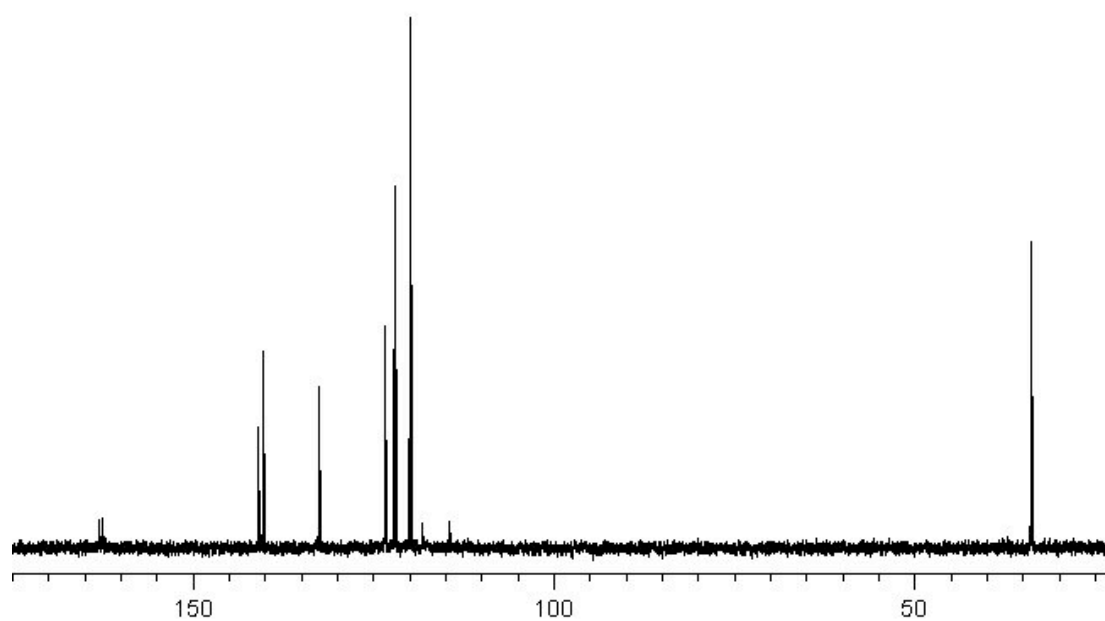
$^1\text{H-NMR}$  (300 MHz,  $\text{CDCl}_3$ ) of compound **16a**

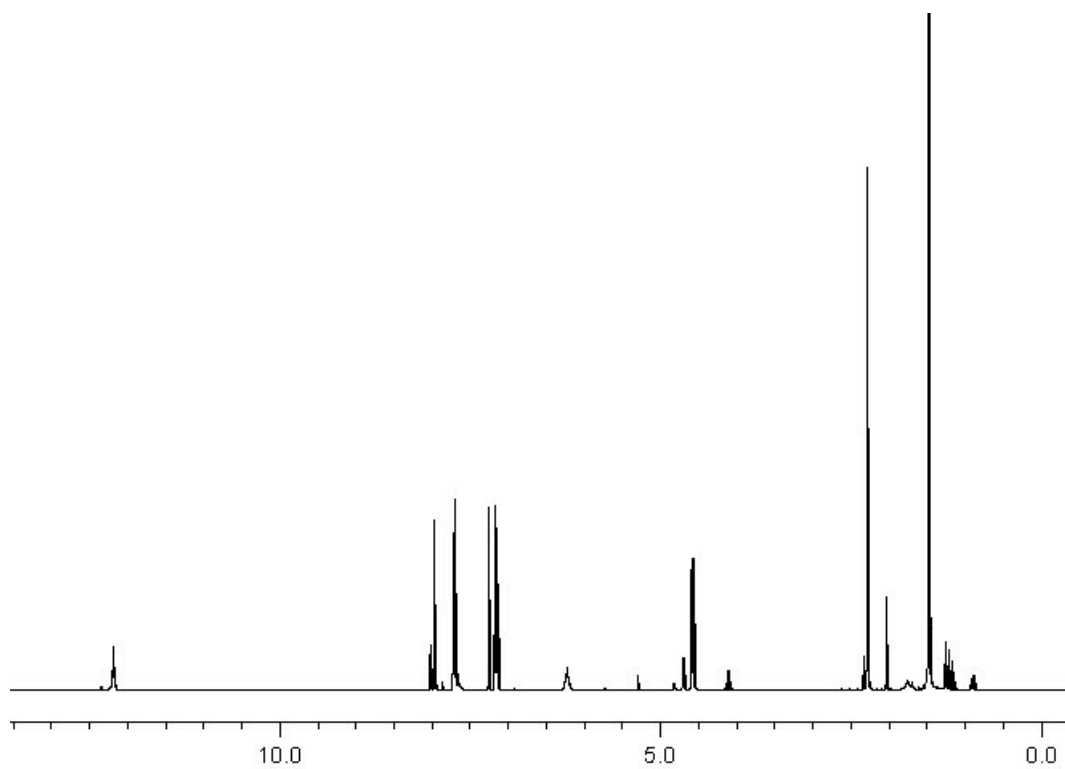
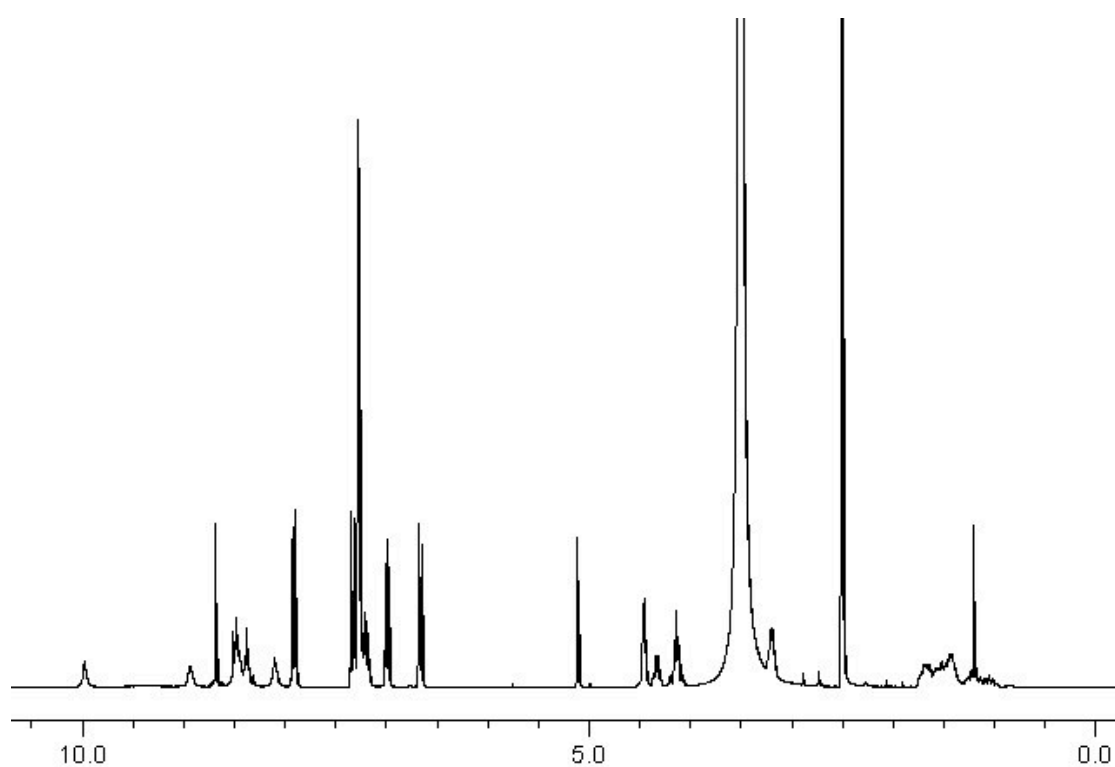


$^{13}\text{C-NMR}$  (75 MHz,  $\text{CDCl}_3$ ) of compound **16a**

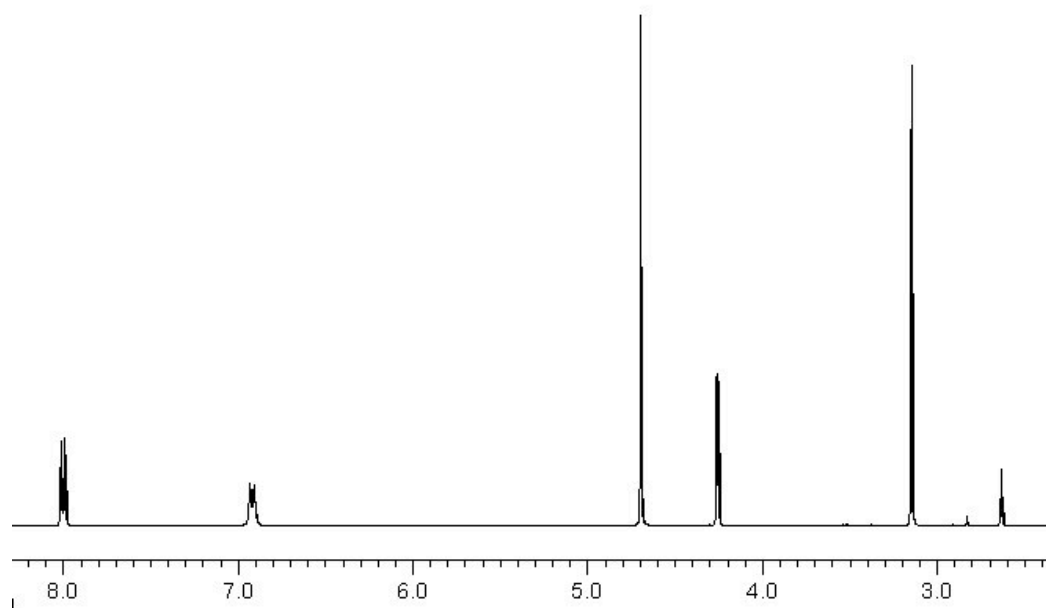
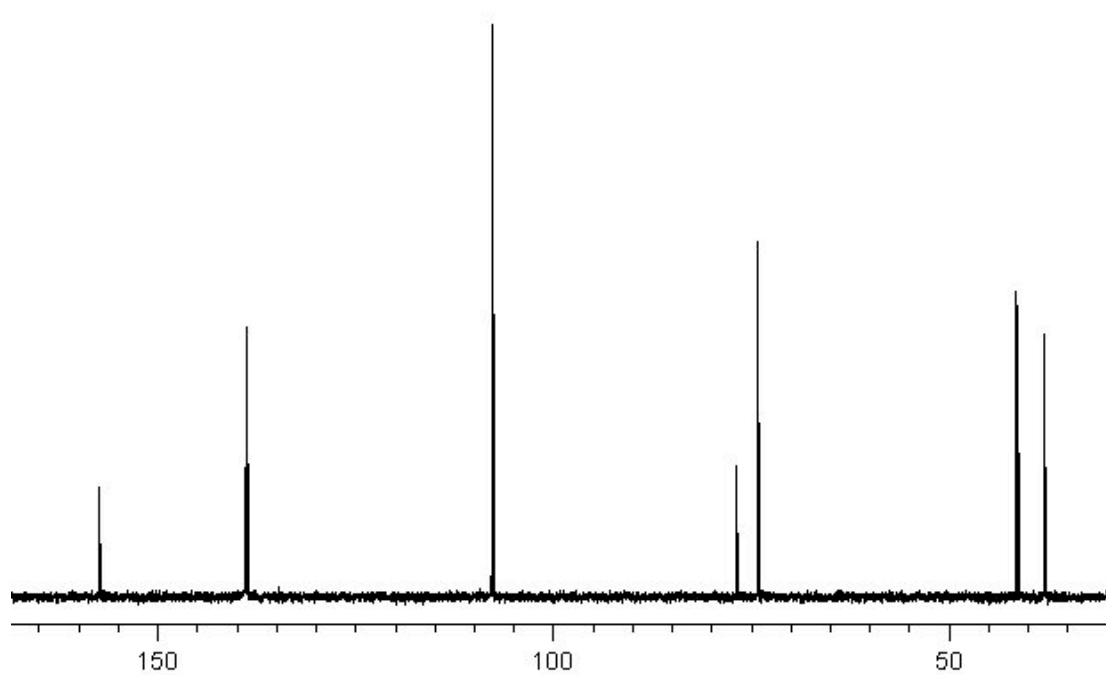


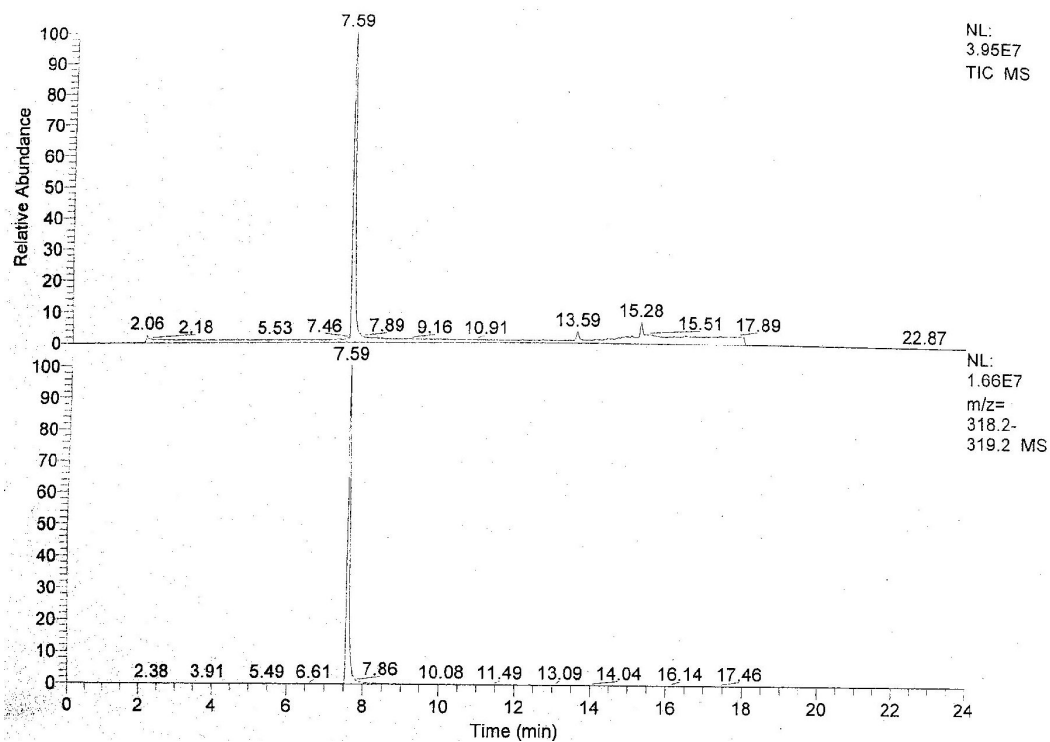
$^1\text{H-NMR}$  (300 MHz,  $\text{D}_2\text{O}$ ) of compound **16b**

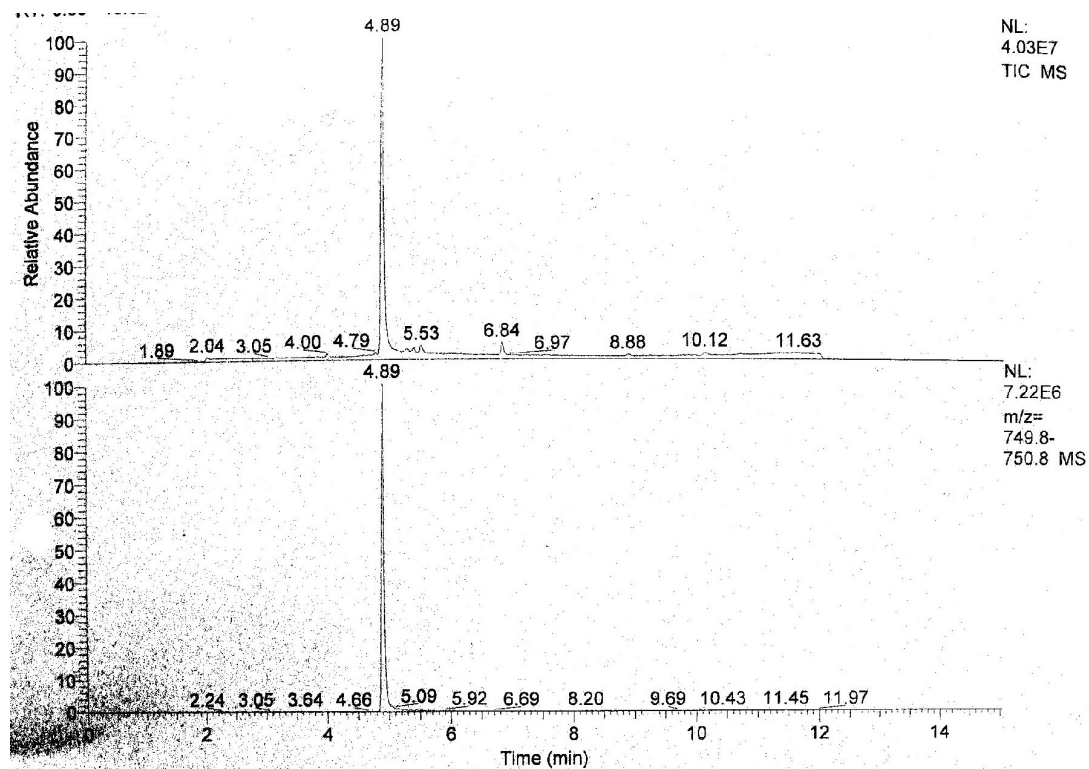
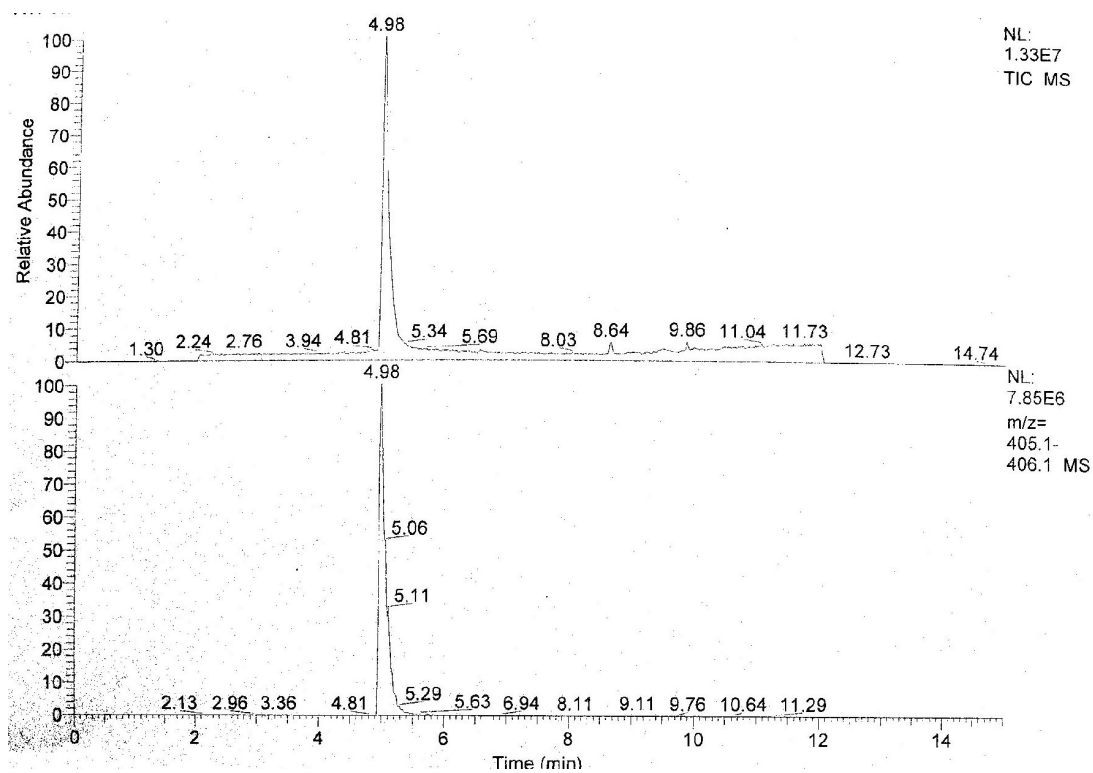


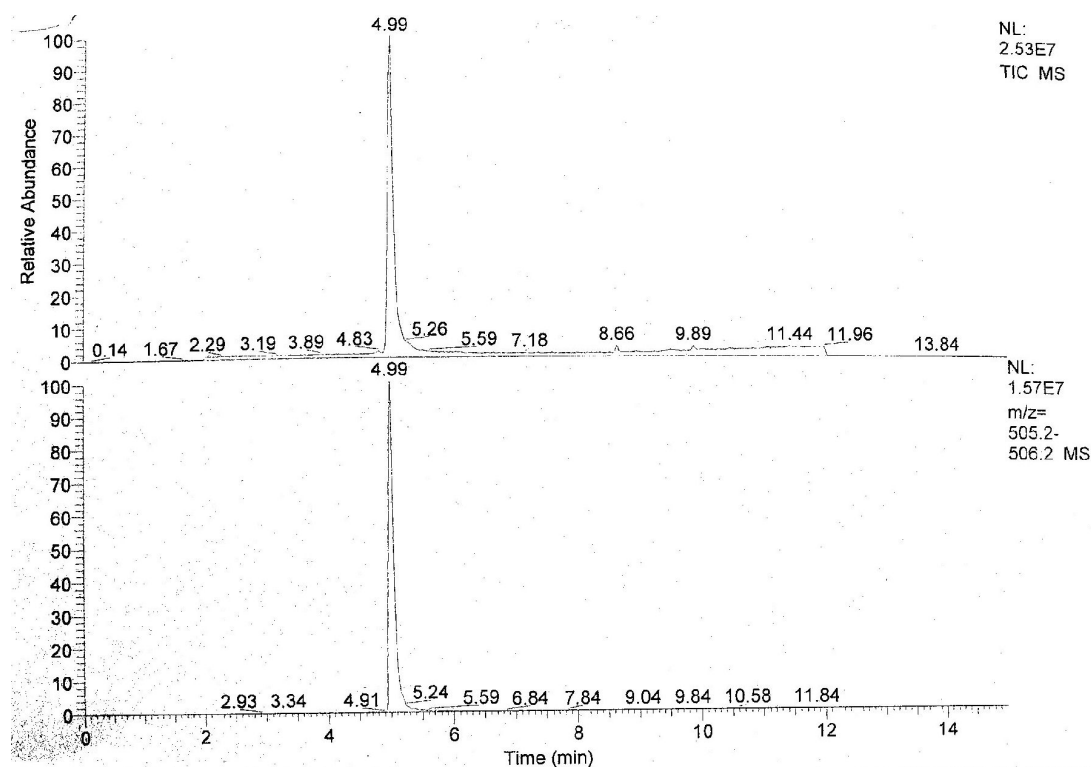
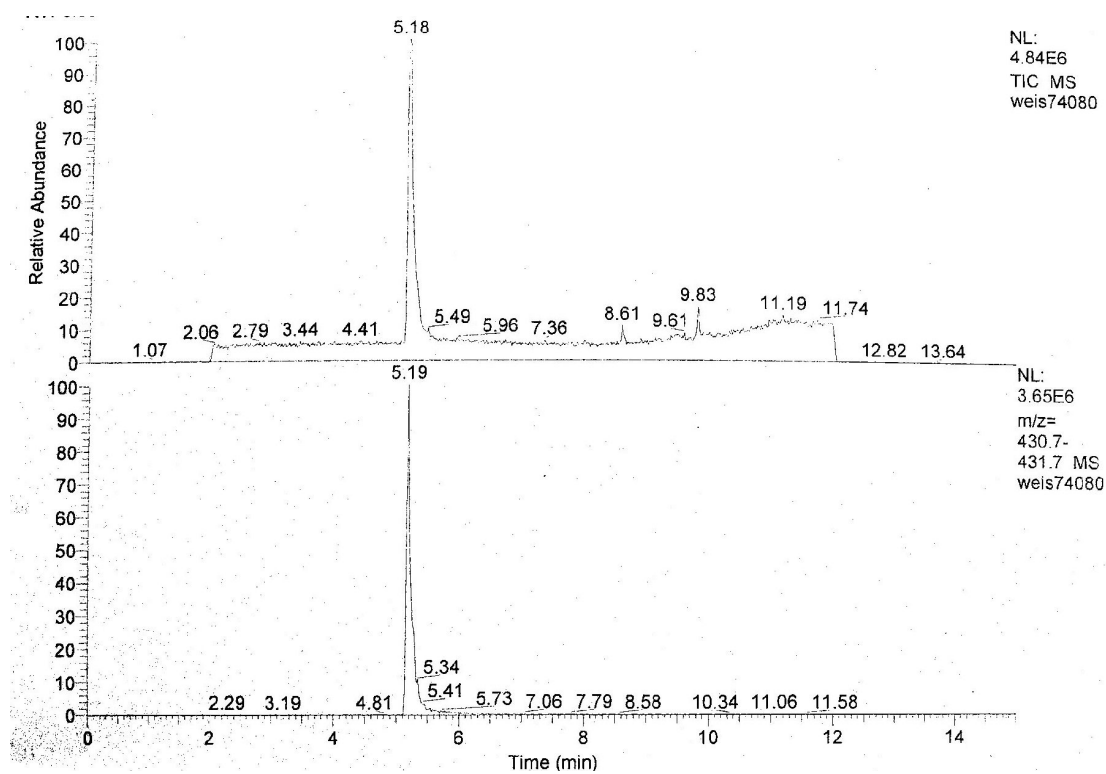
$^{13}\text{C}$ -NMR (75 MHz,  $\text{D}_2\text{O}$ ) of compound **16b** $^1\text{H}$ -NMR (300 MHz,  $\text{CDCl}_3$ ) of compound **17**

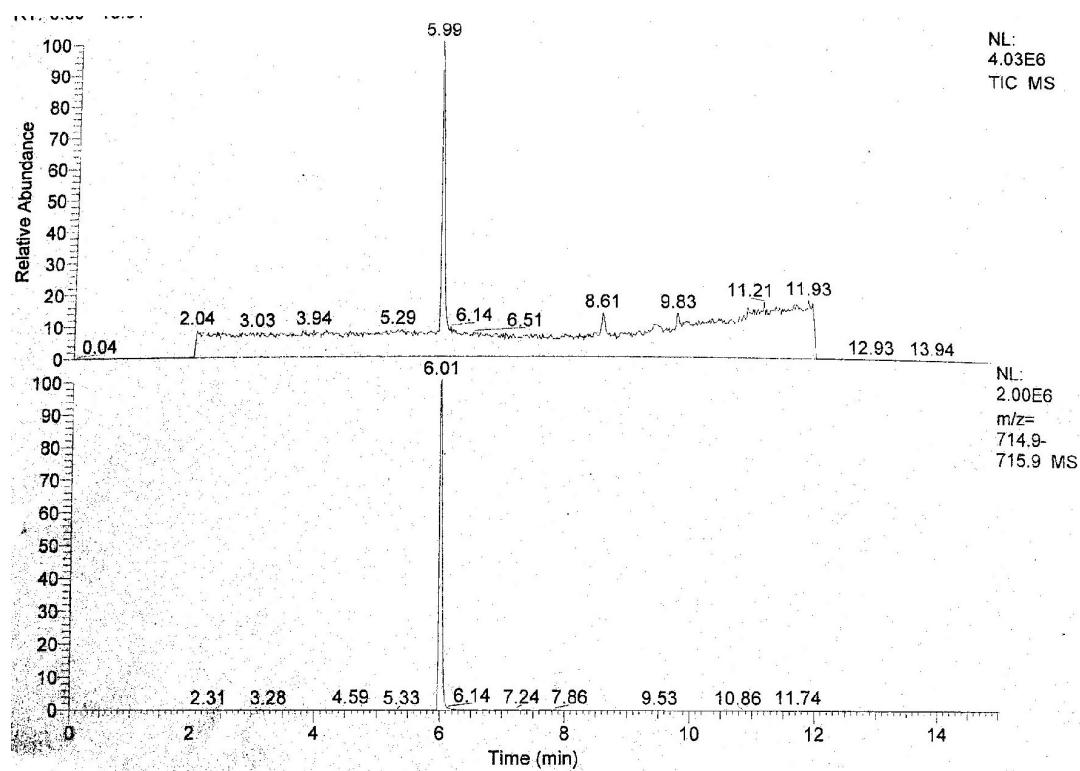
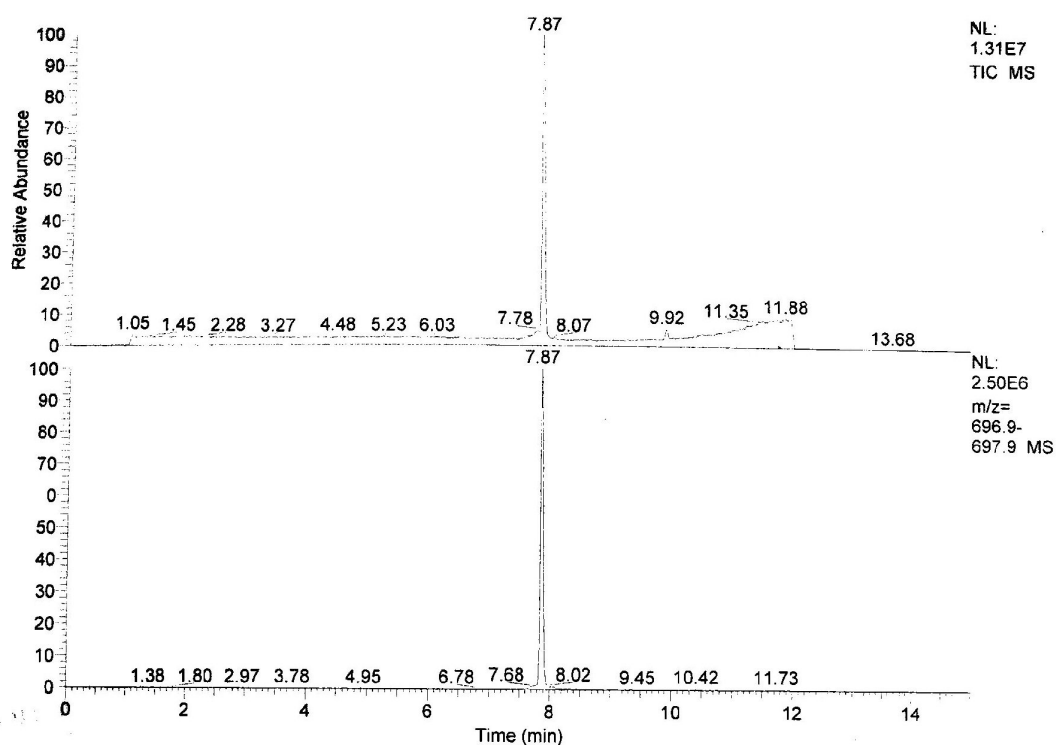


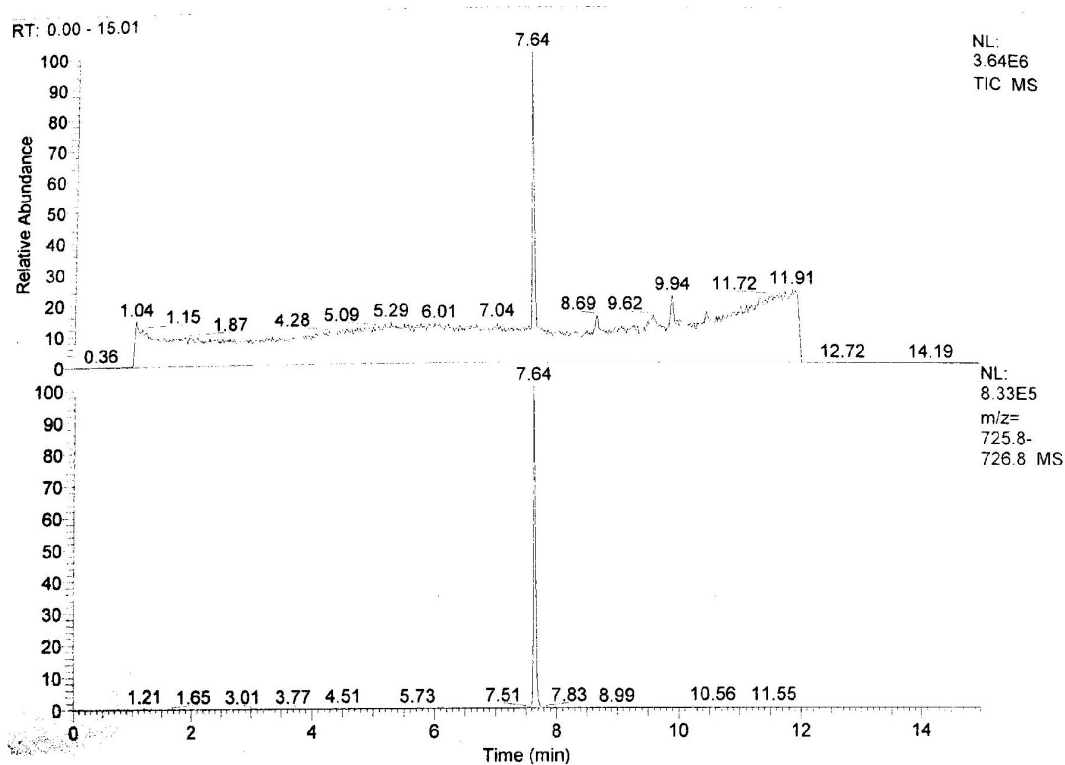
$^1\text{H-NMR}$  (300 MHz, DMSO) of compound **18** $^1\text{H-NMR}$  (300 MHz,  $\text{D}_2\text{O}$ ) of compound **20**

$^{13}\text{C}$ -NMR (75 MHz,  $\text{D}_2\text{O}$ ) of compound **20**LC-MS protocol of compound **1a**

LC-MS protocol of compound **1b**LC-MS protocol of compound **1c**

LC-MS protocol of compound **1d**

LC-MS protocol of compound **1e**LC-MS protocol of compound **18**

LC-MS protocol of compound **26**LC-MS protocol of compound **27**

Annotation: the peaks at 8.60 – 8.70, 9.85 – 9.95 and 11.20 – 11.40 min. are artefacts.