

# Design, Synthesis and Docking Study of Novel Coumarin Ligands as Potential Selective Acetylcholinesterase Inhibitors

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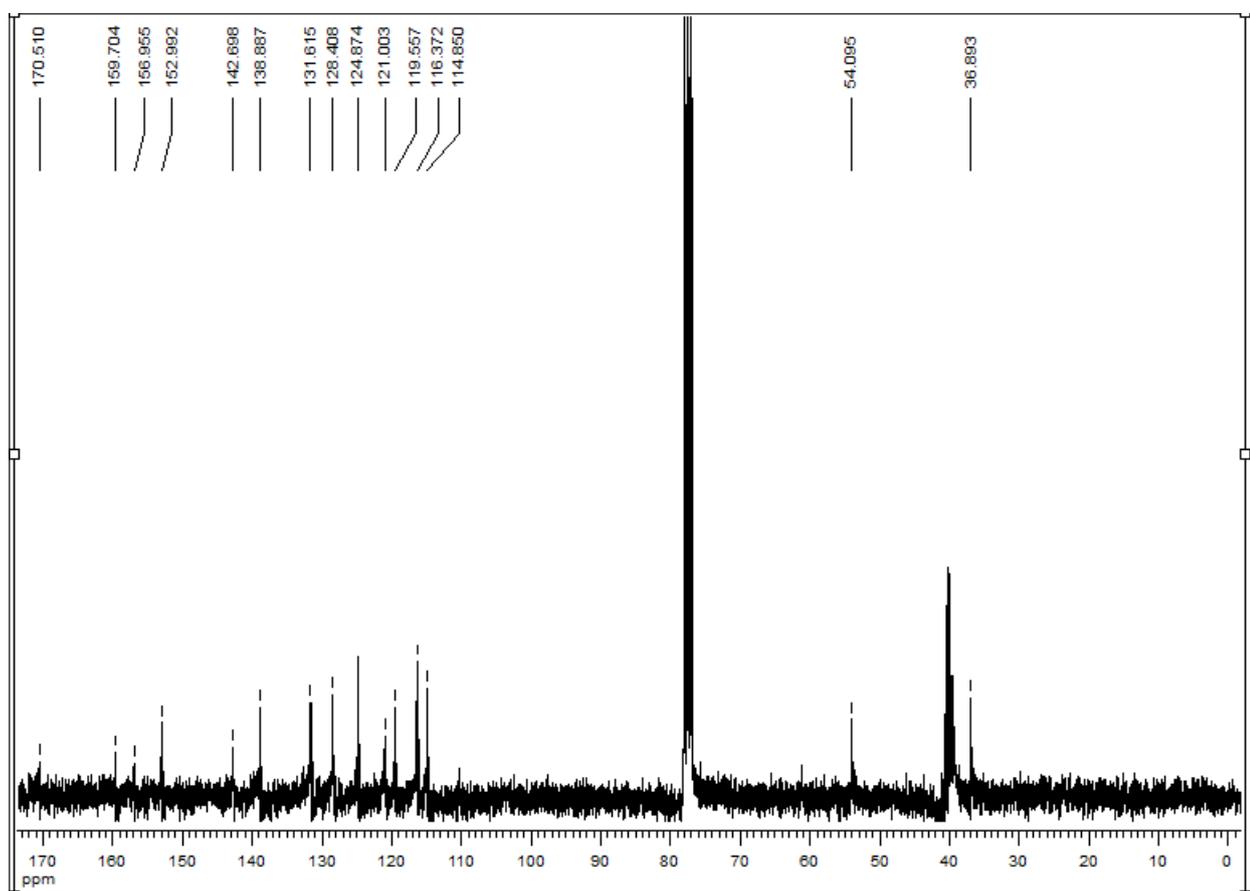
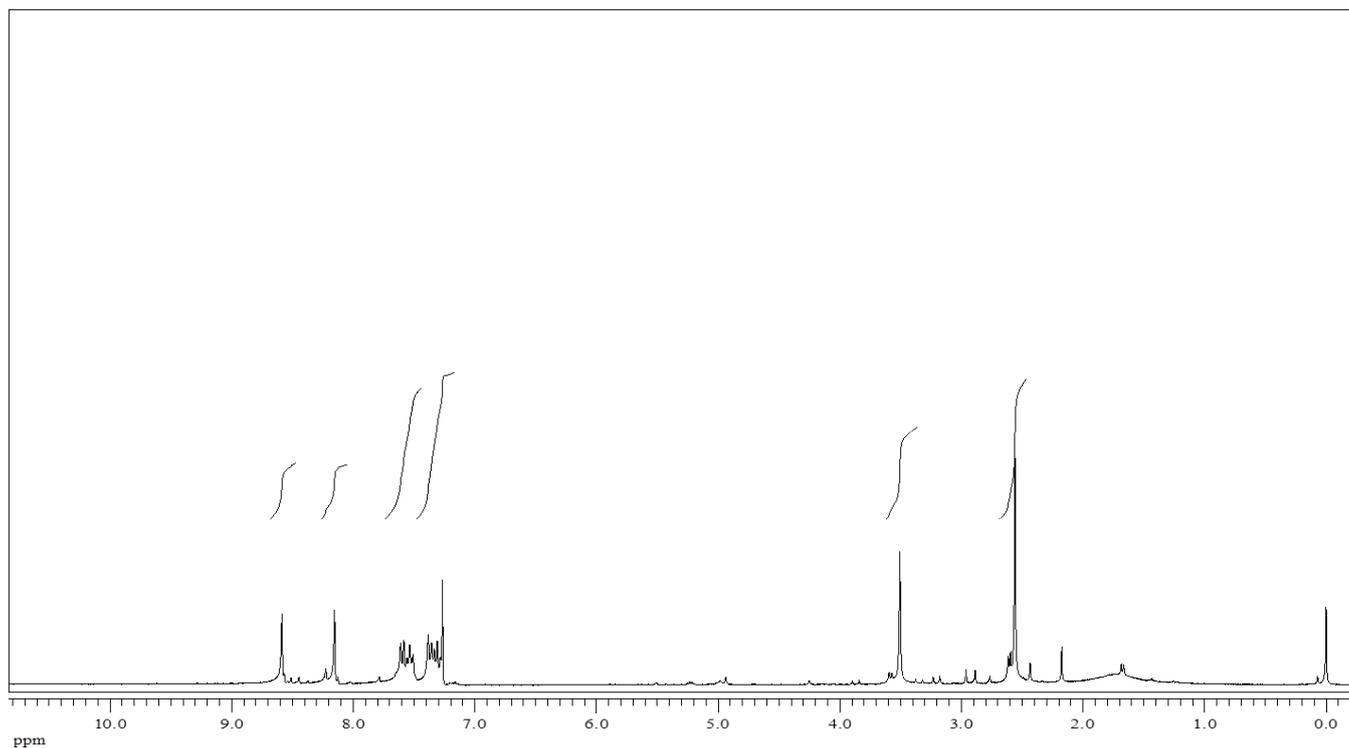
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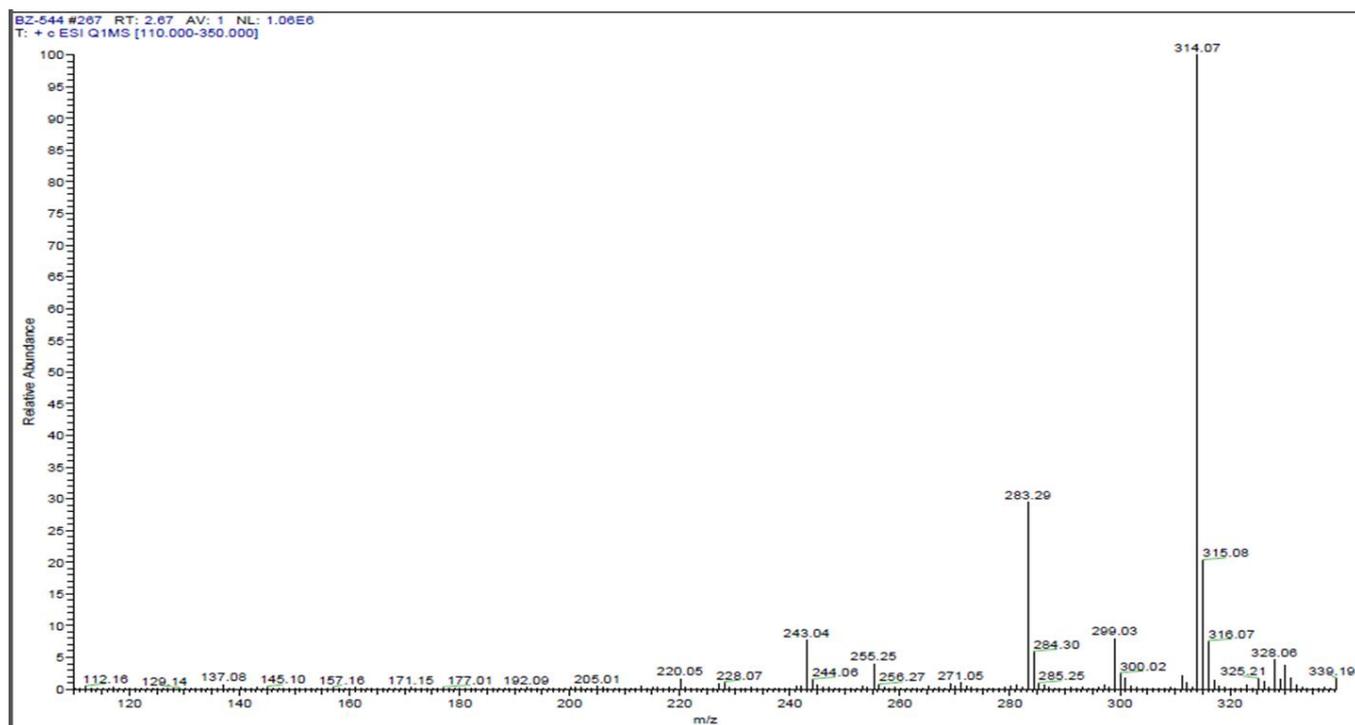
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## SUPPLEMENTARY MATERIALS

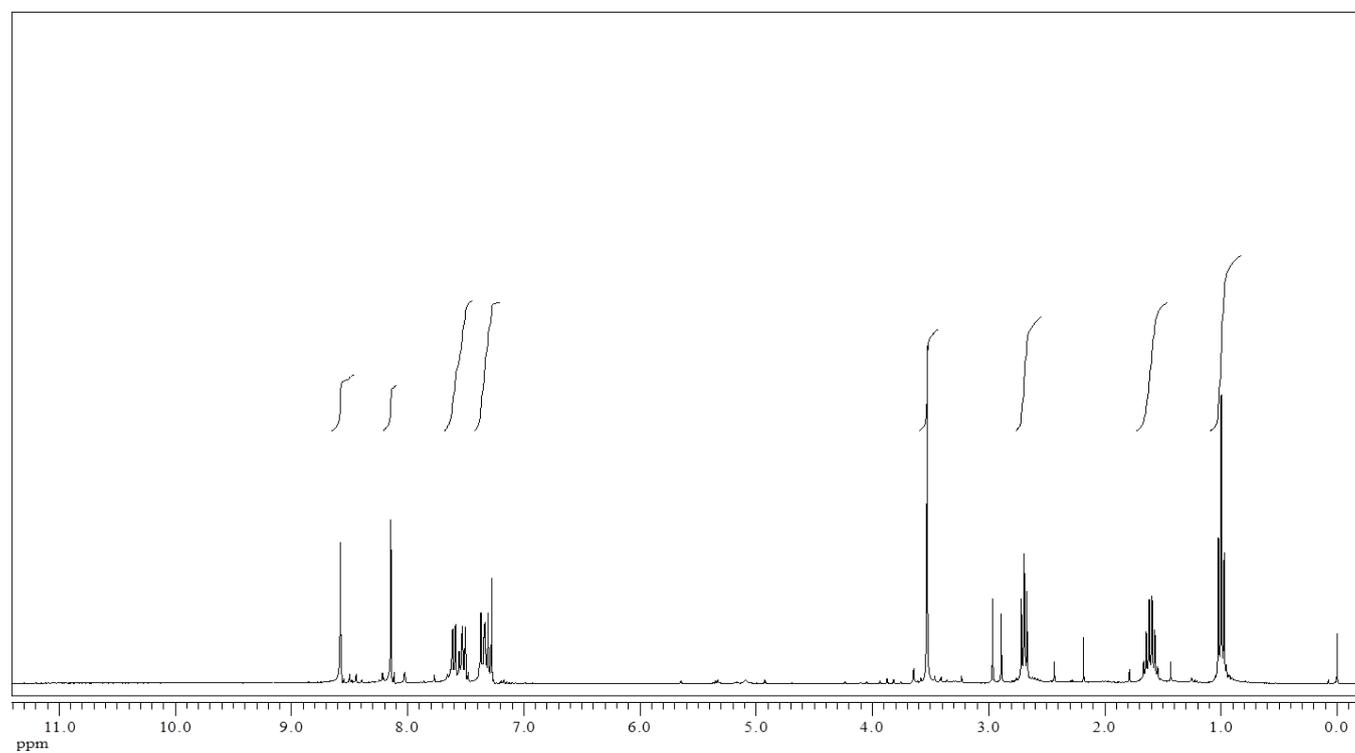
<sup>1</sup> H and <sup>13</sup> C NMR and MS spectra of <b>6a-t</b> .....	2-31
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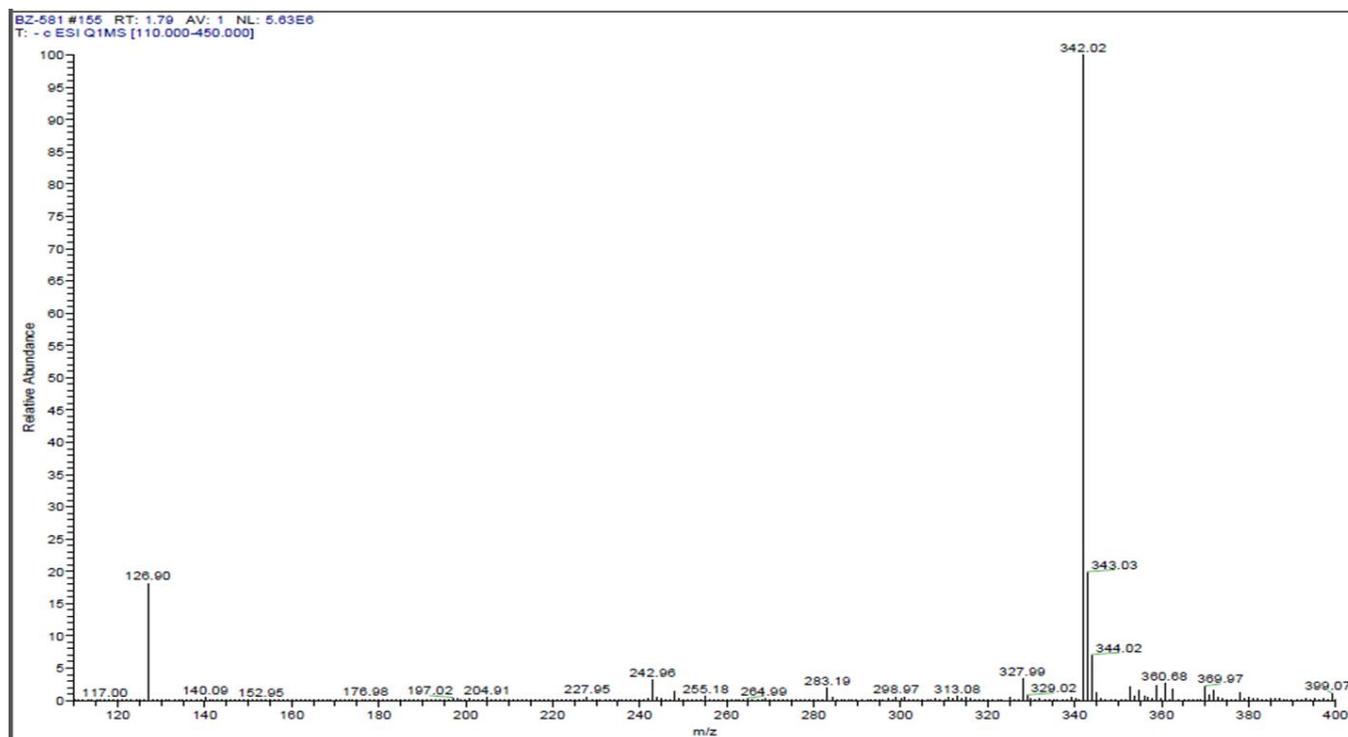
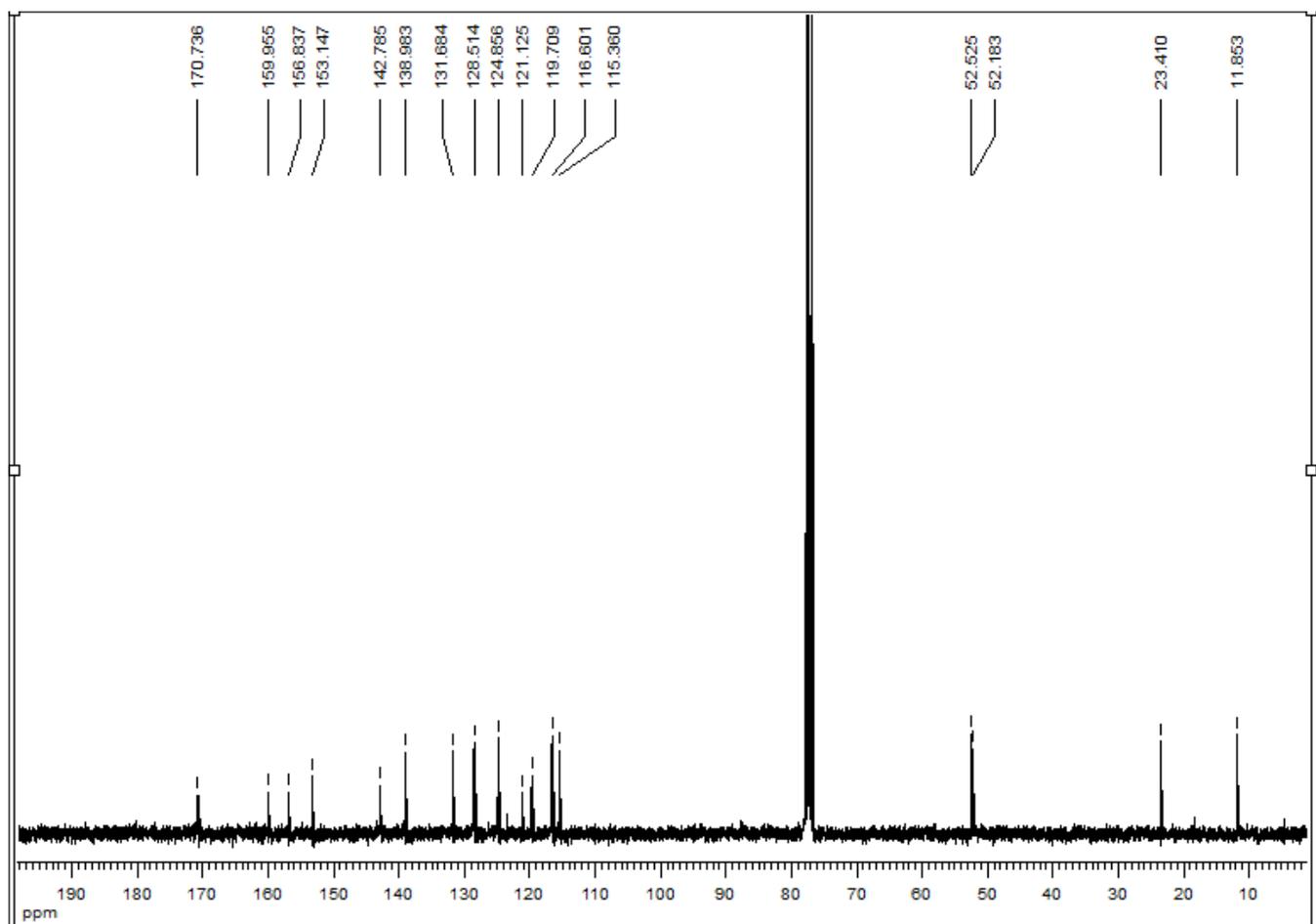
S1:  $^1\text{H}$  and  $^{13}\text{C}$  NMR and MS spectra of **6a**



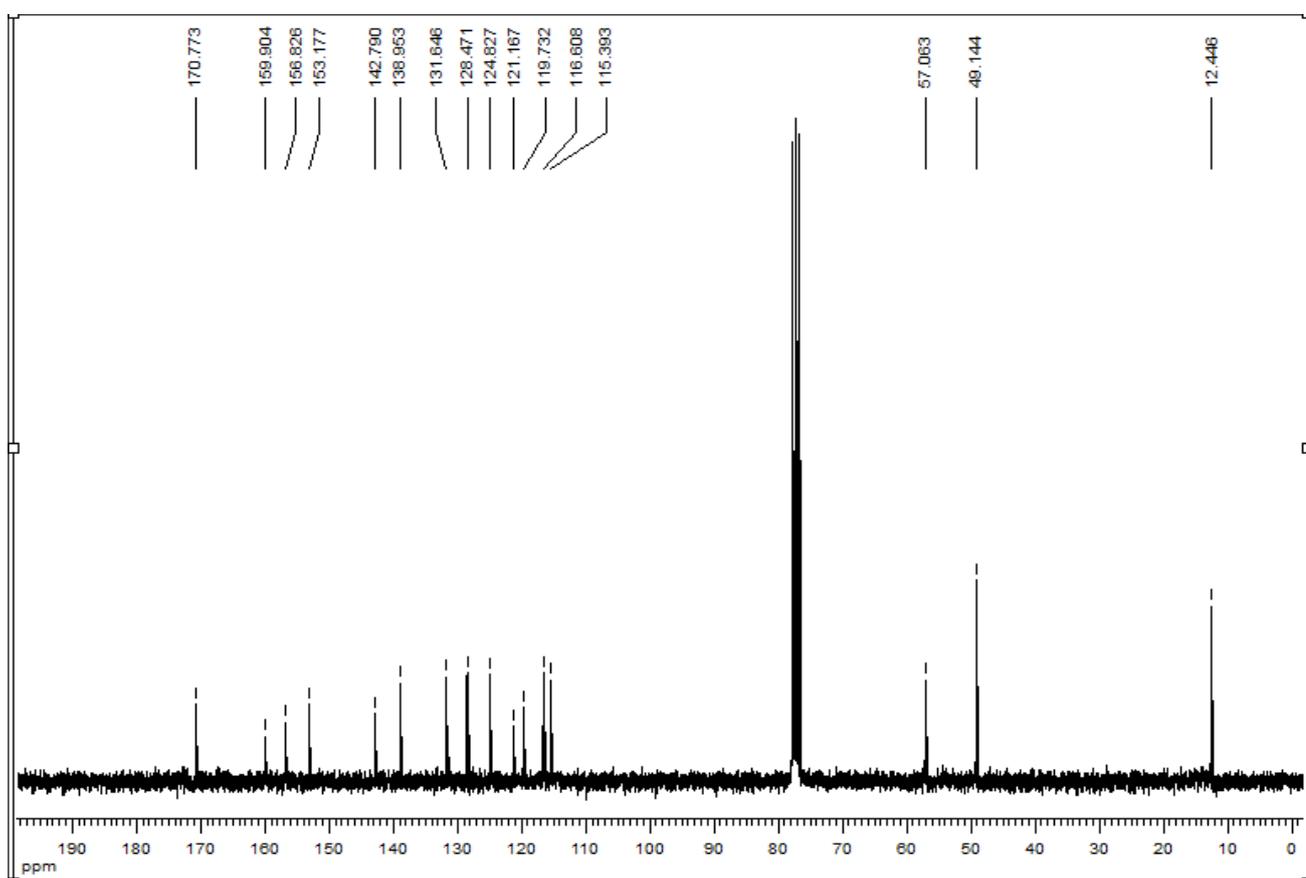
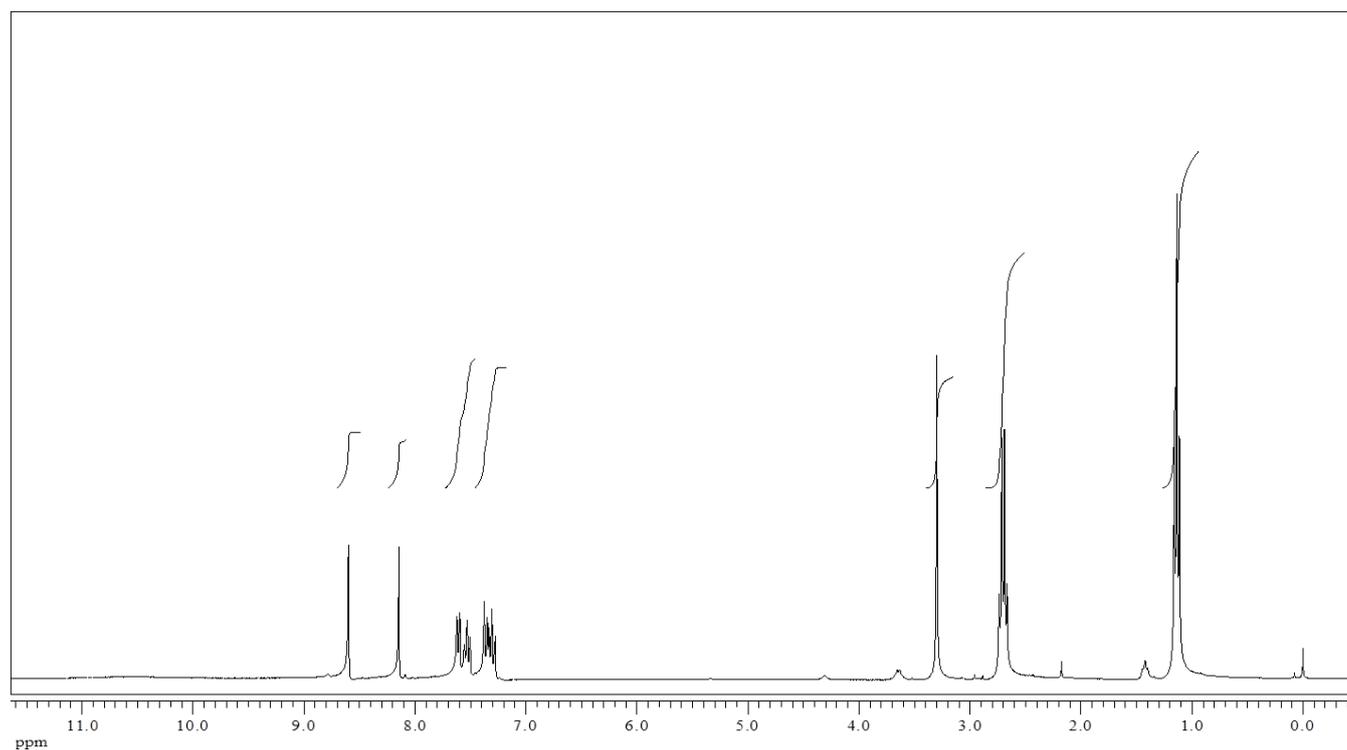


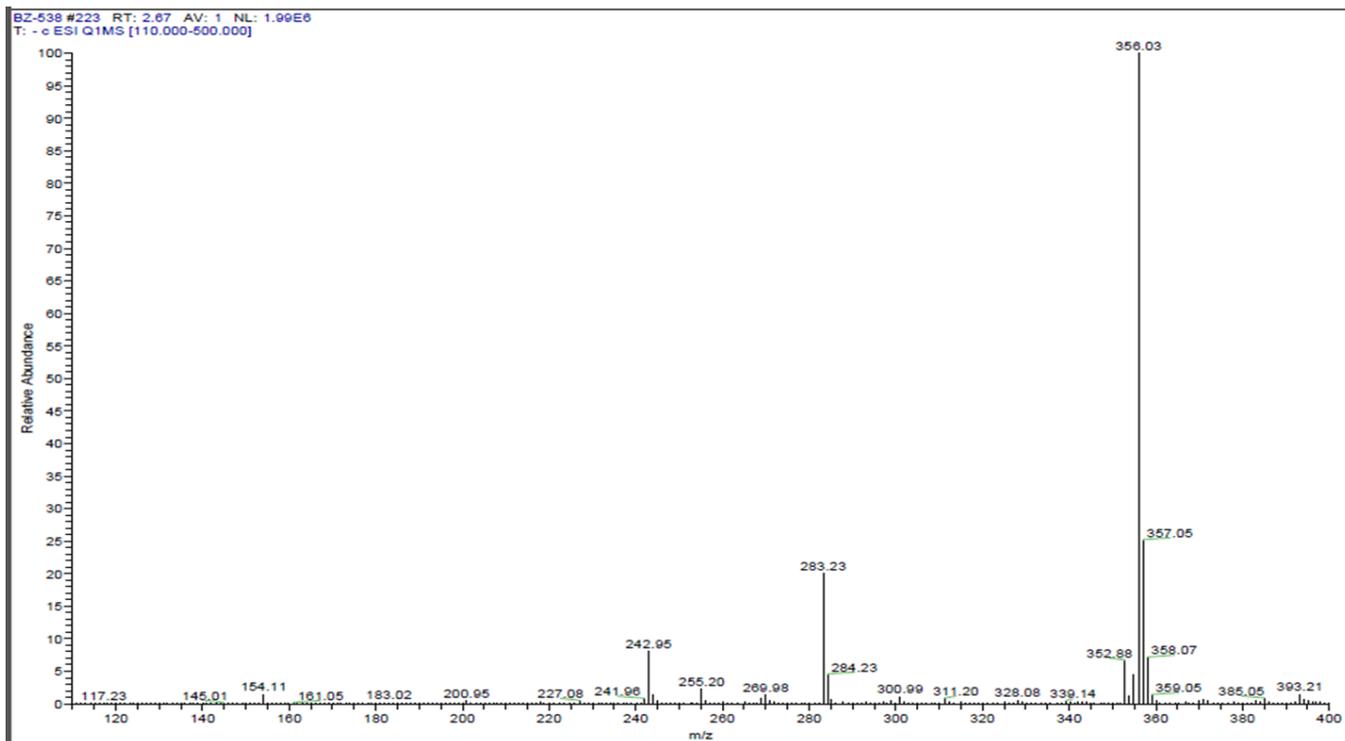
**S2:**  $^1\text{H}$  and  $^{13}\text{C}$  NMR and MS spectra of **6b**



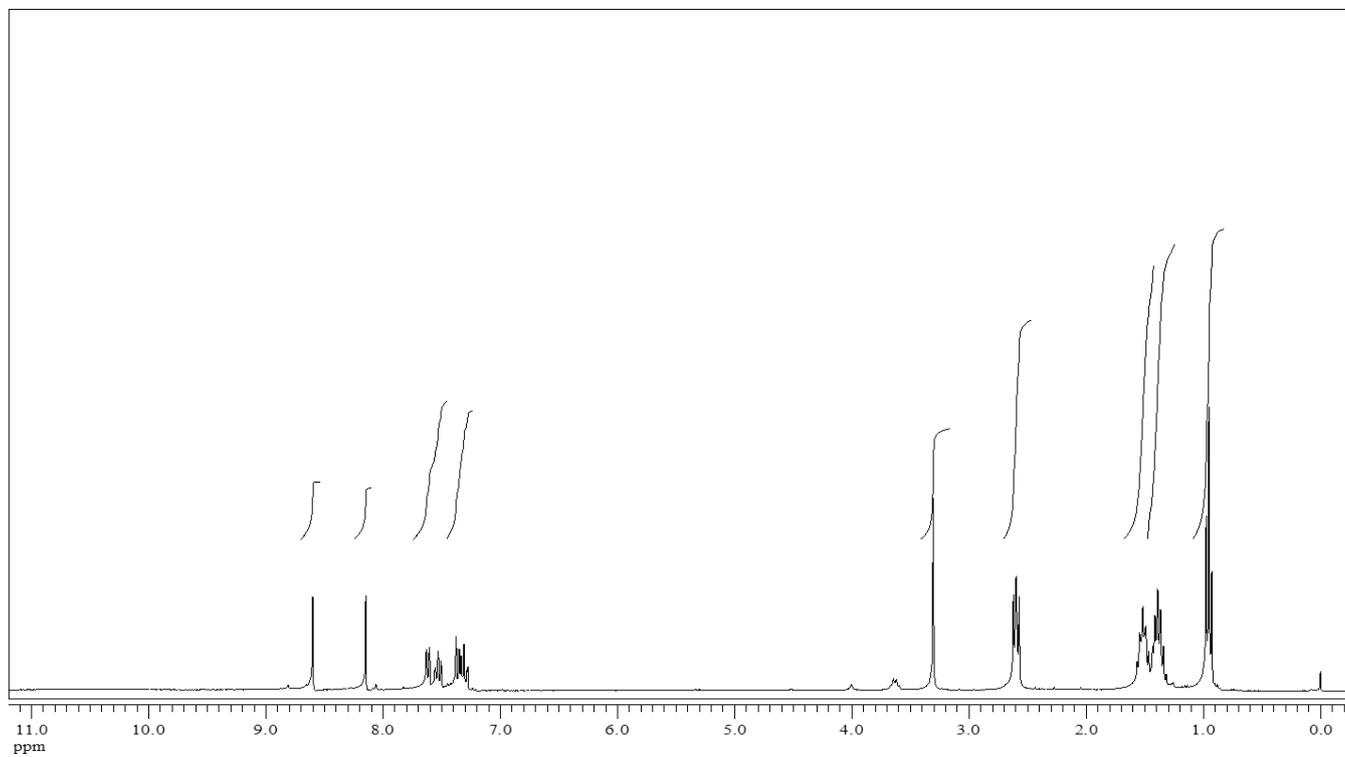


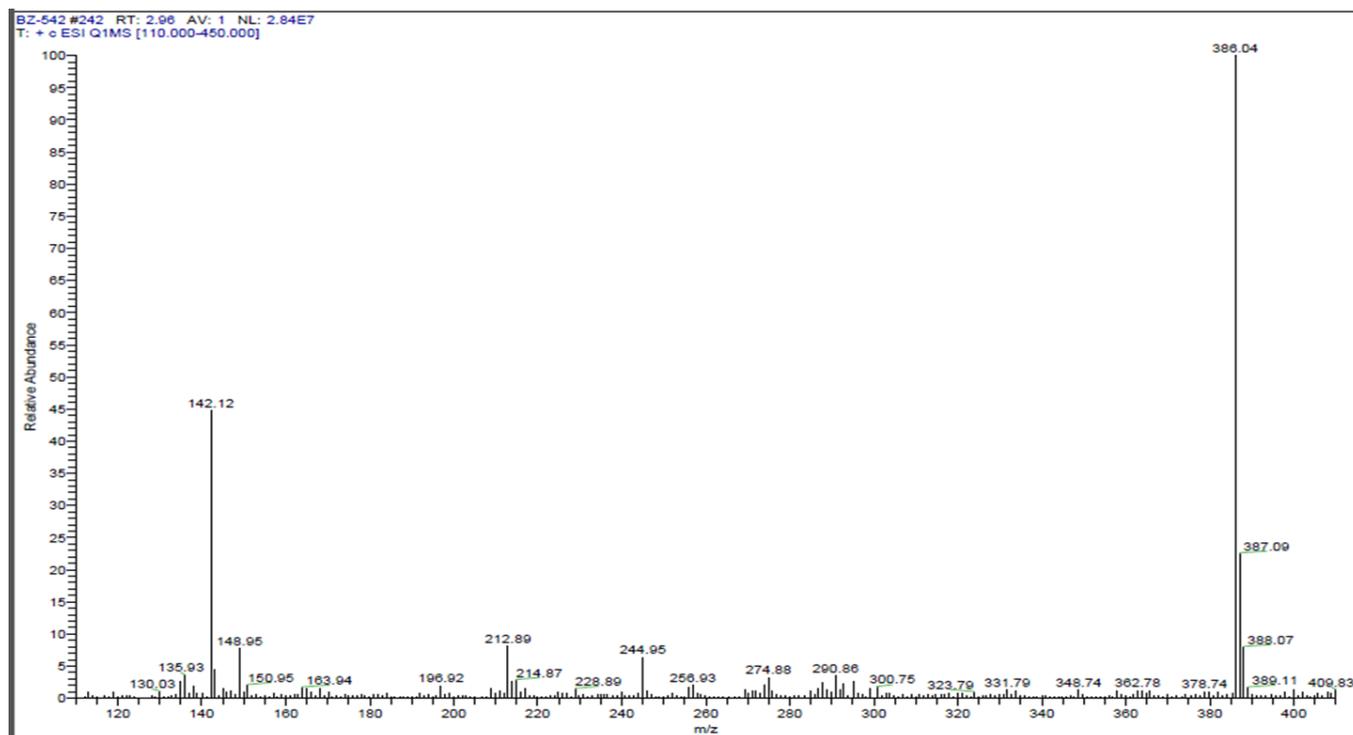
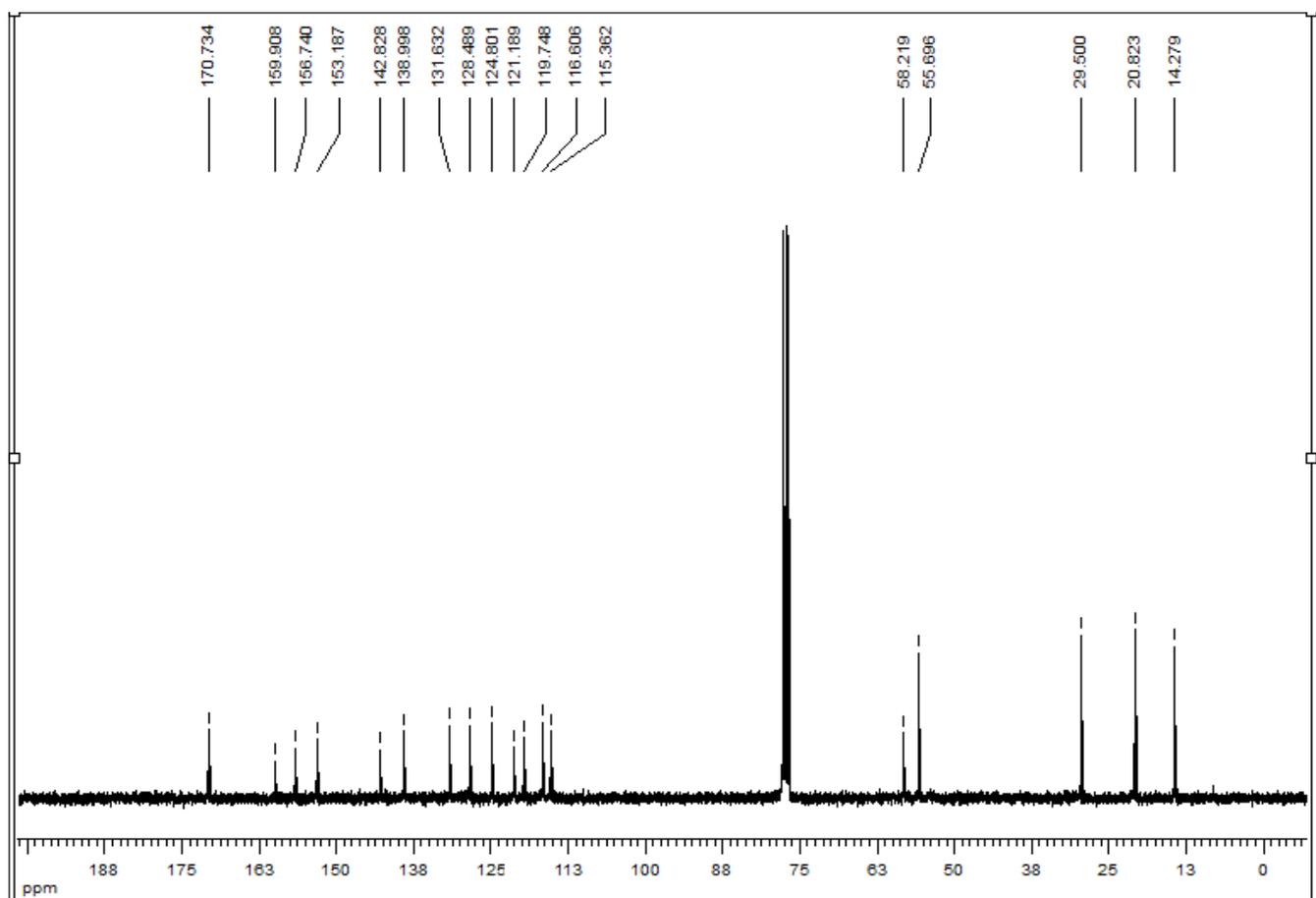
S3:  $^1\text{H}$  and  $^{13}\text{C}$  NMR and MS spectra of **6c**



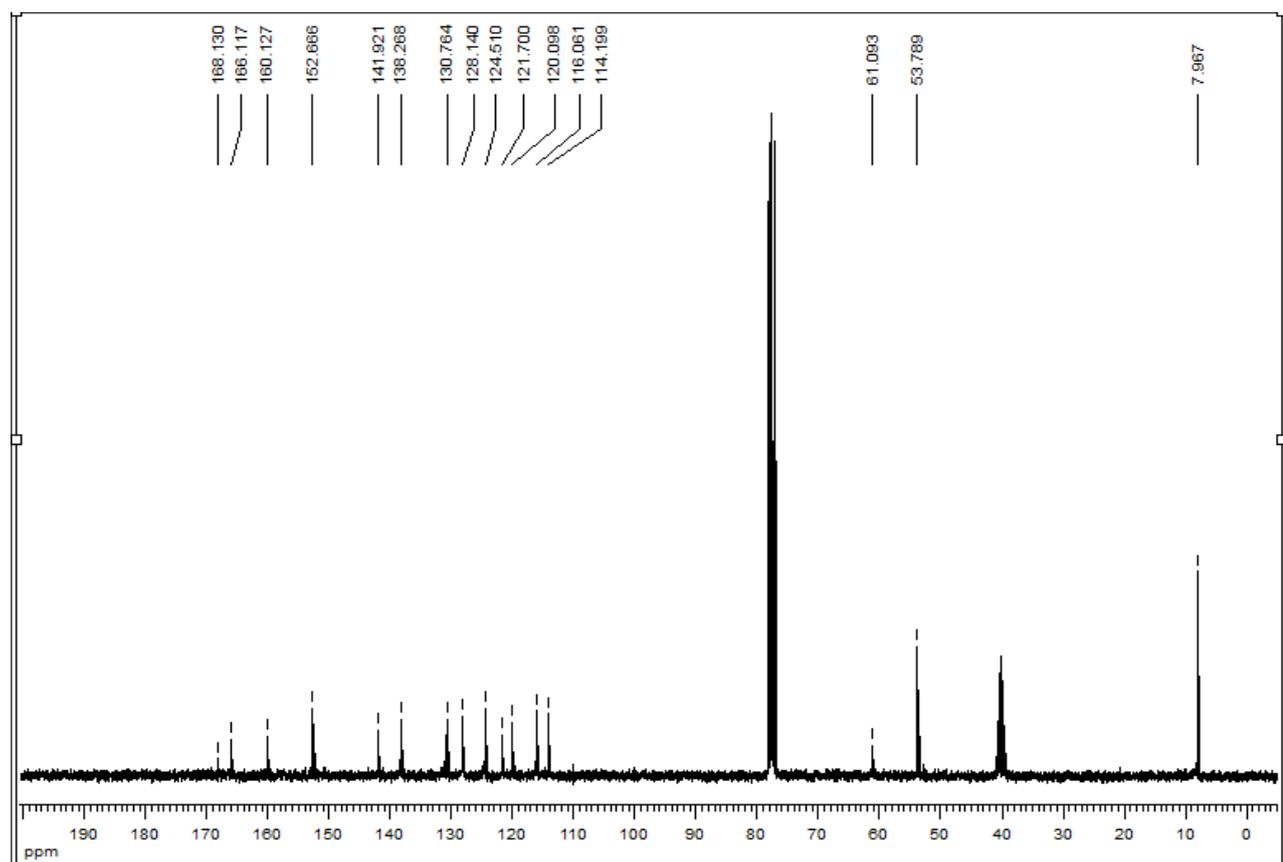
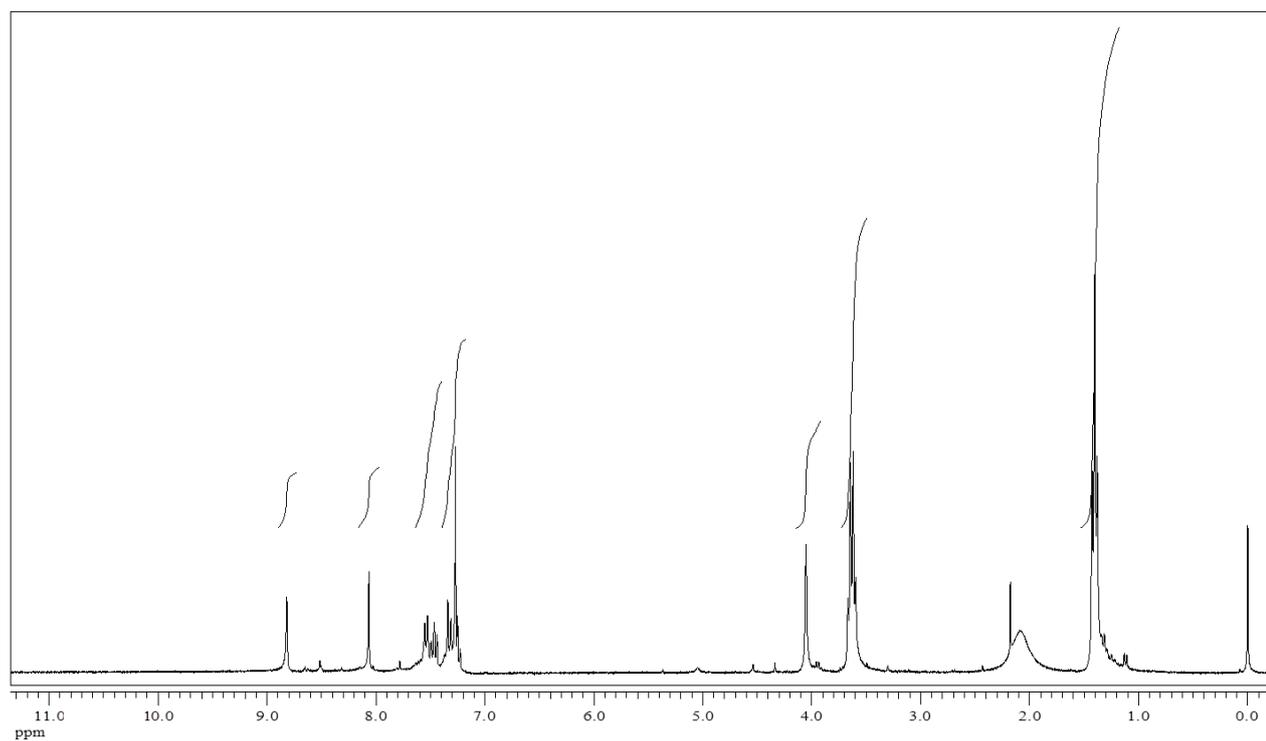


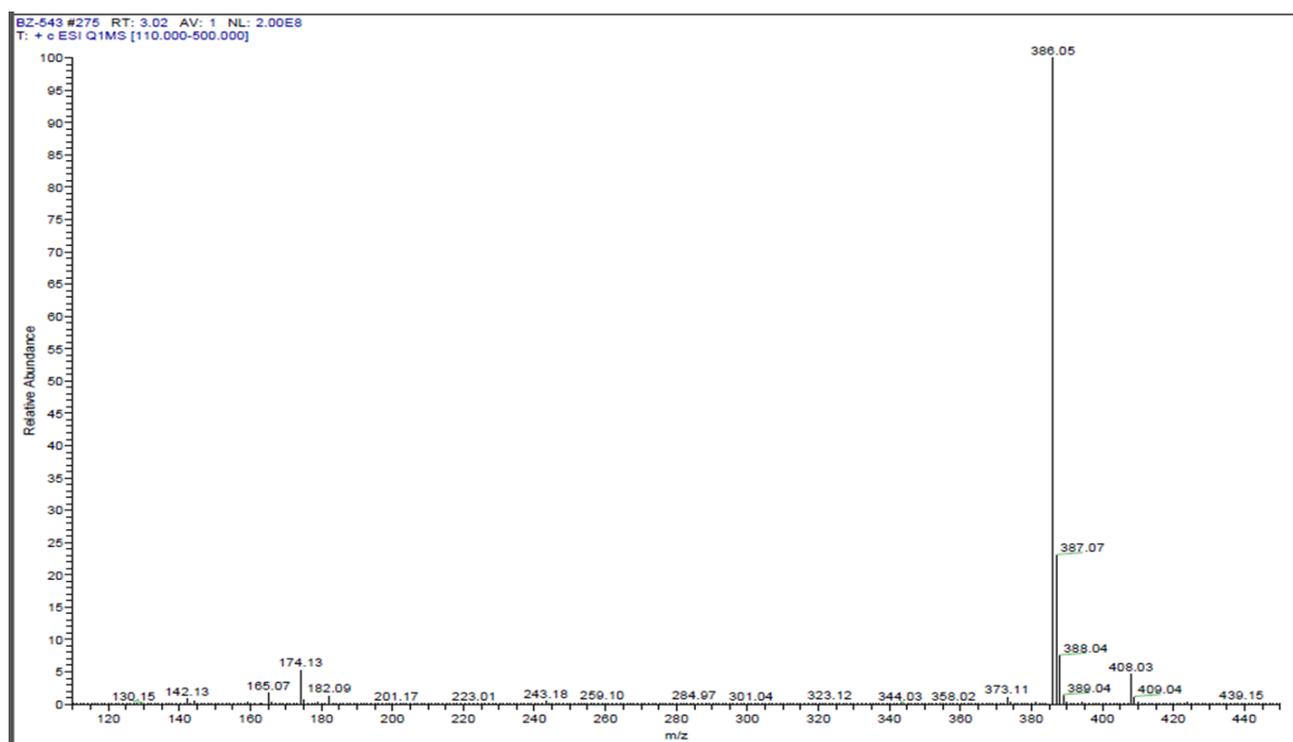
**S4:**  $^1\text{H}$  and  $^{13}\text{C}$  NMR and MS spectra of **6d**



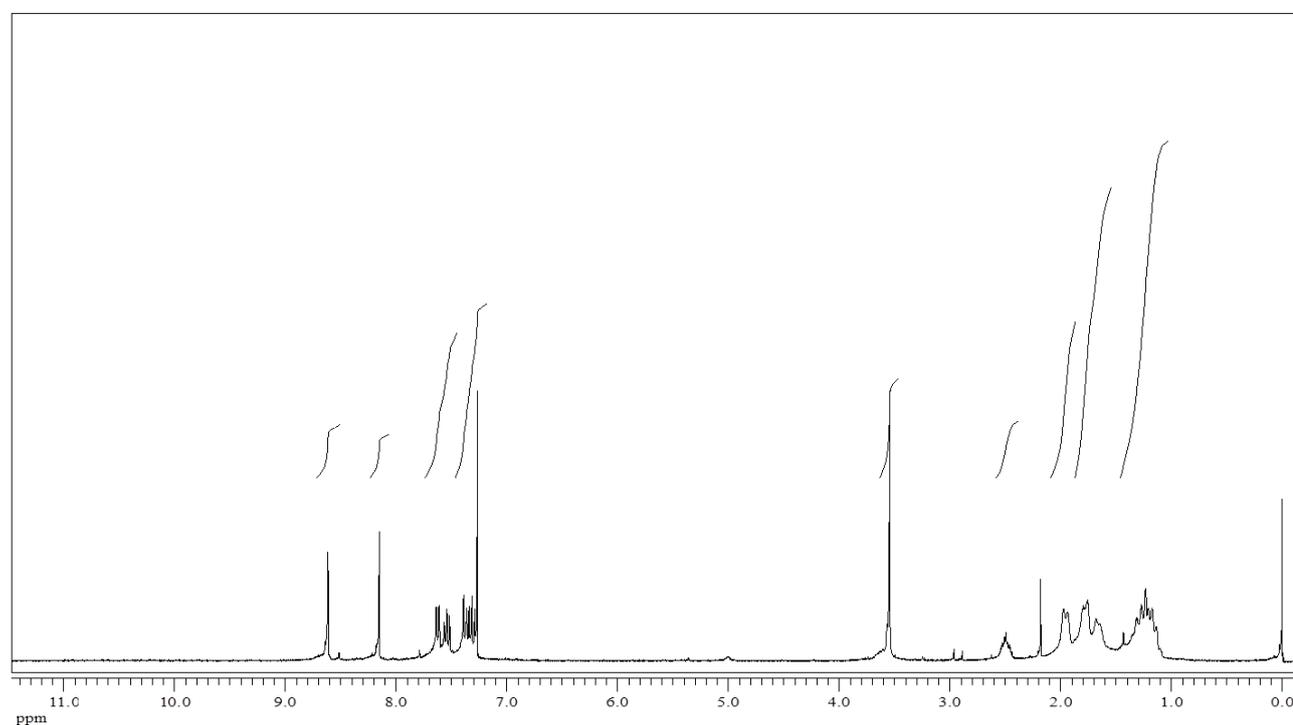


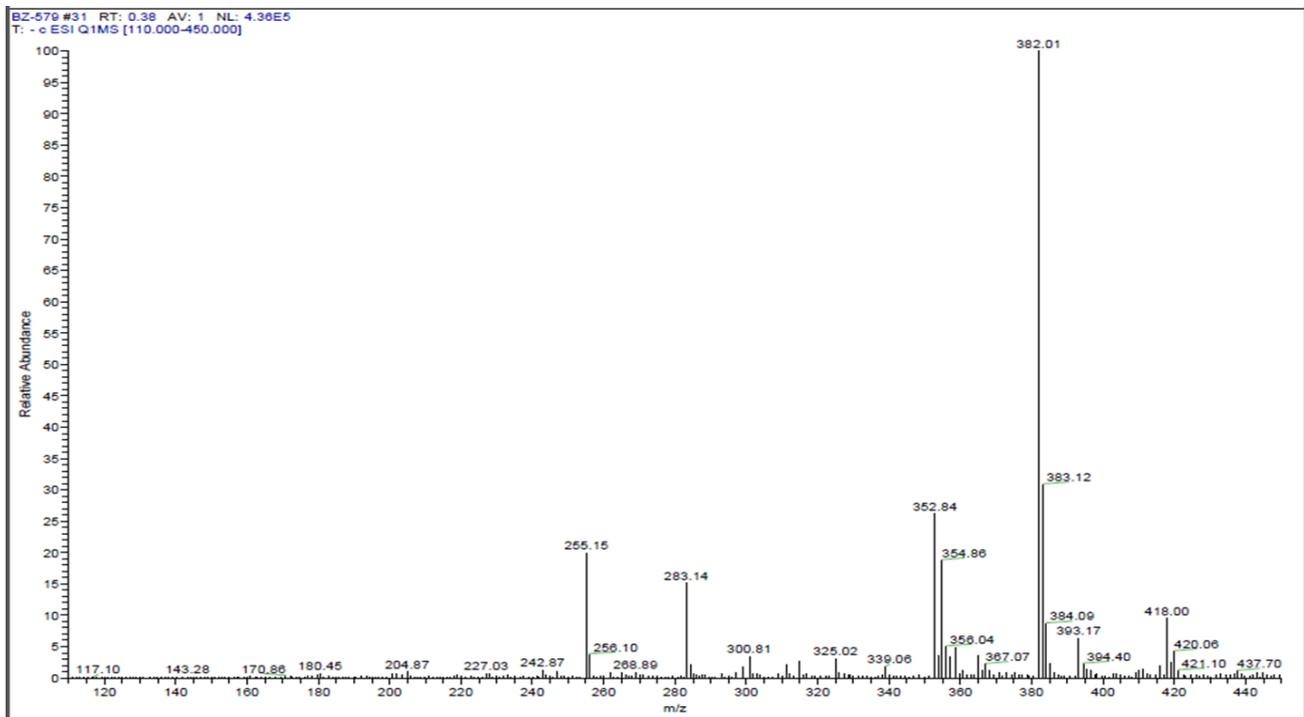
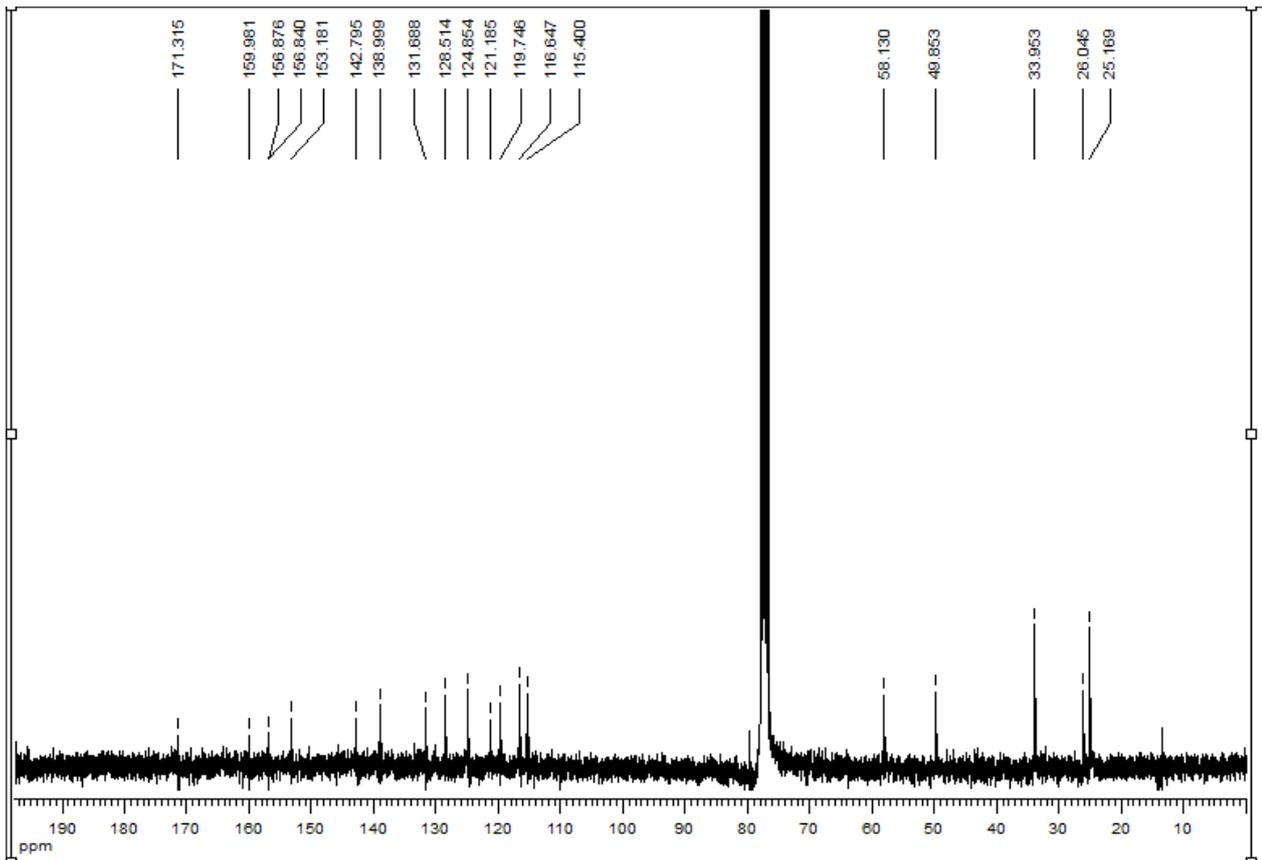
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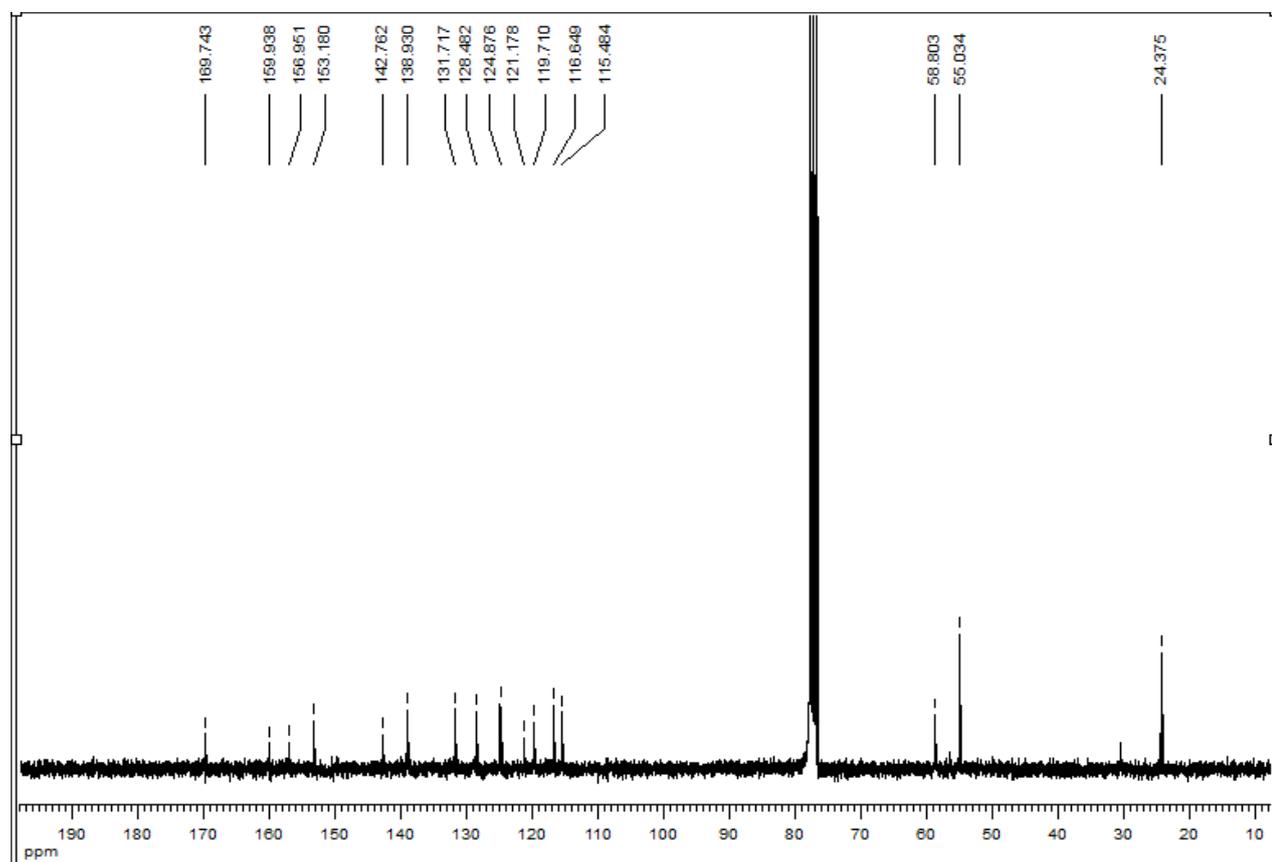
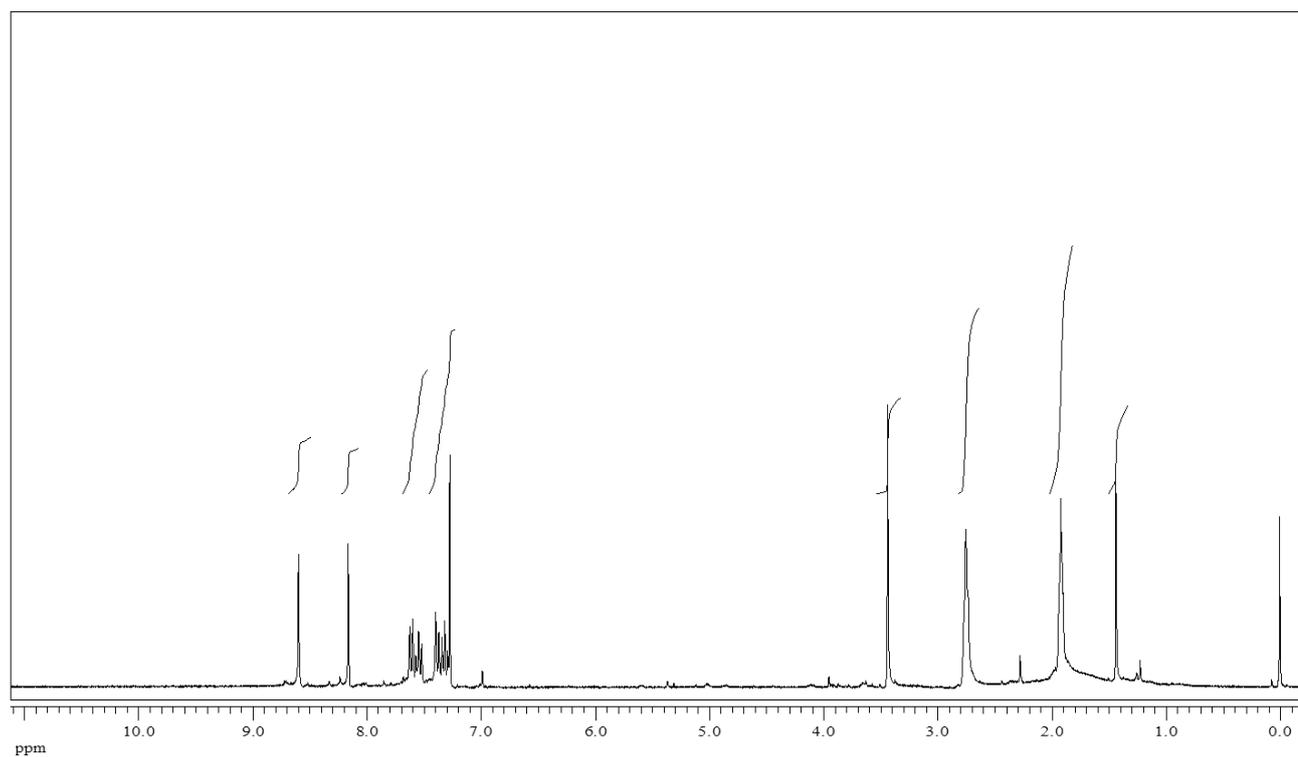


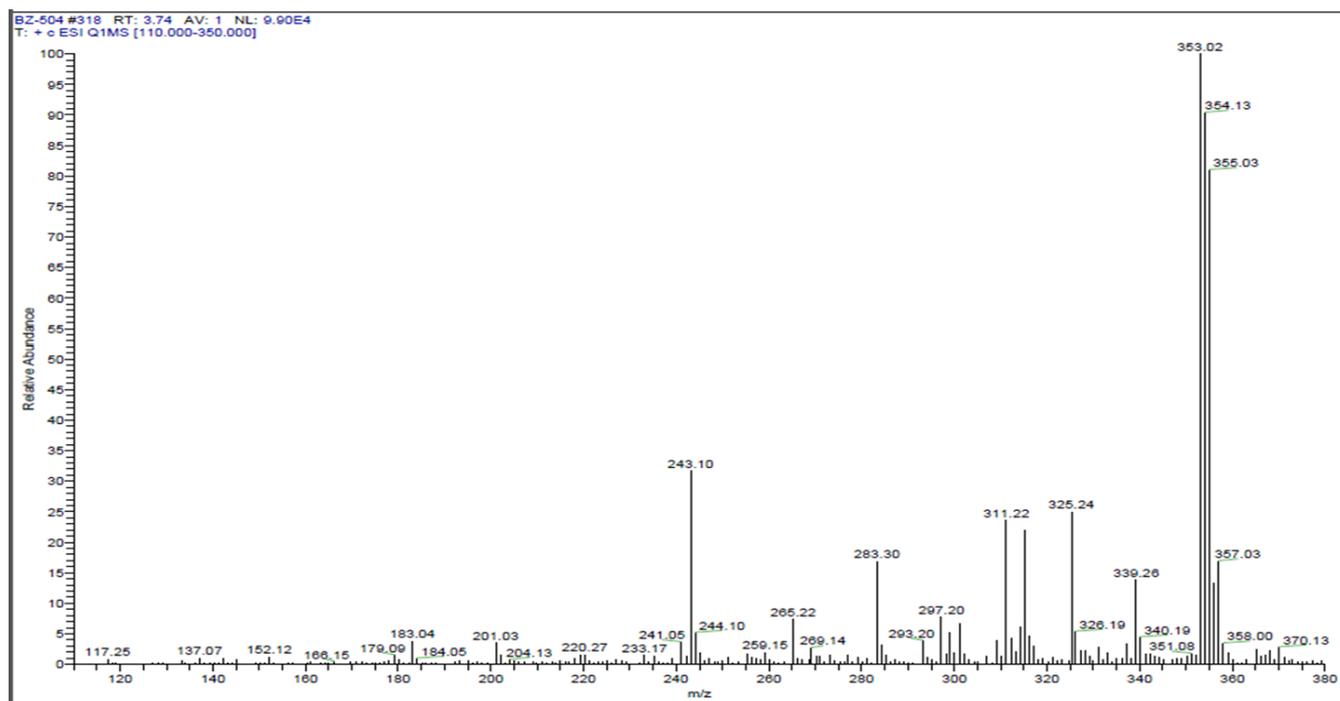
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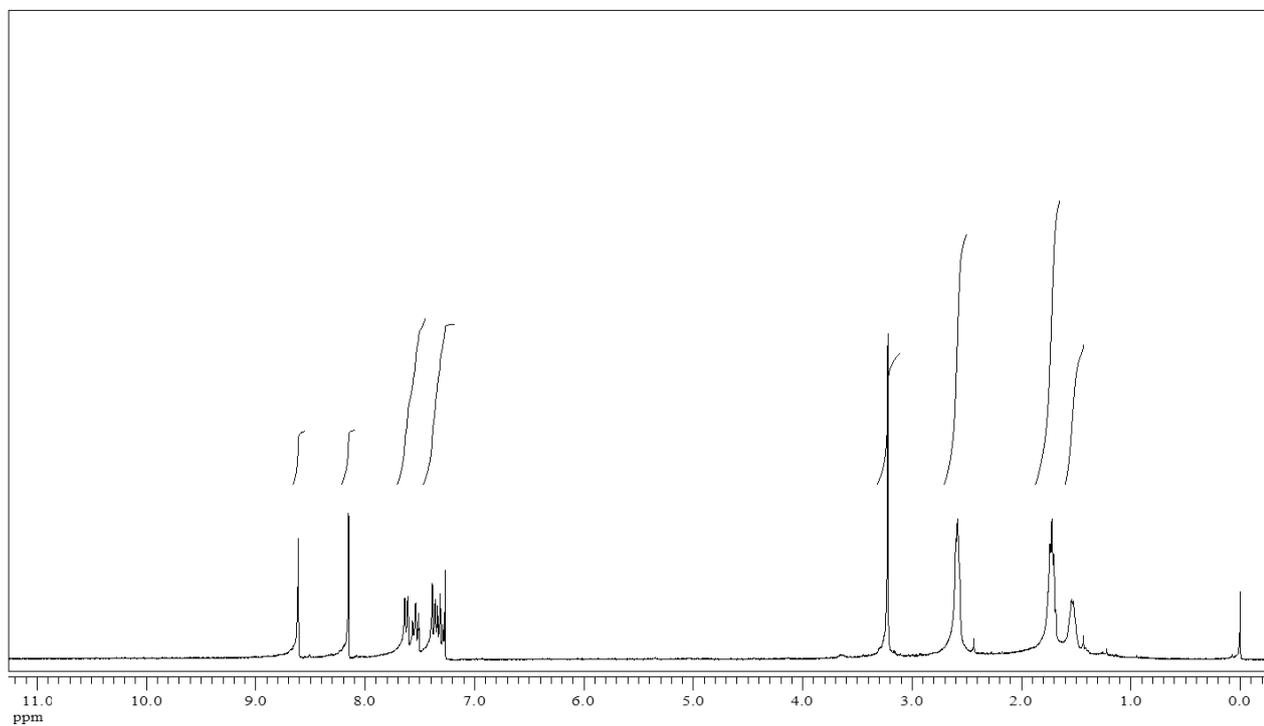


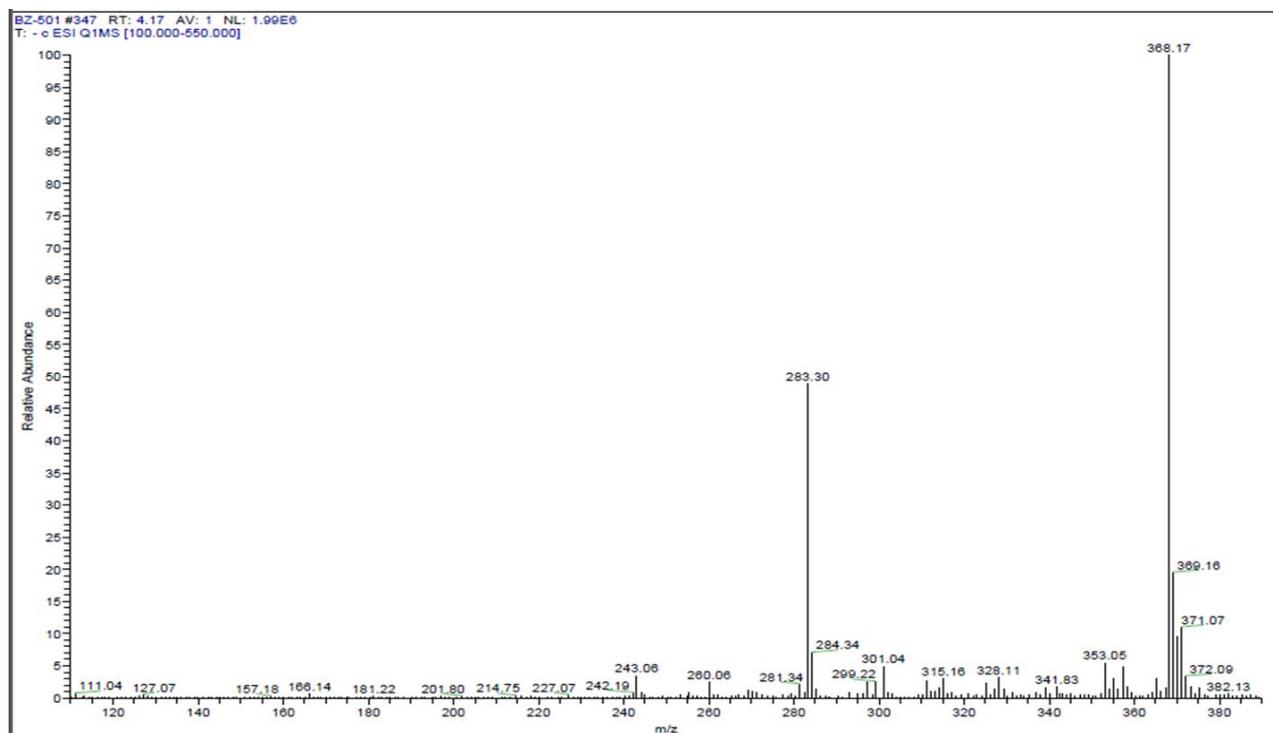
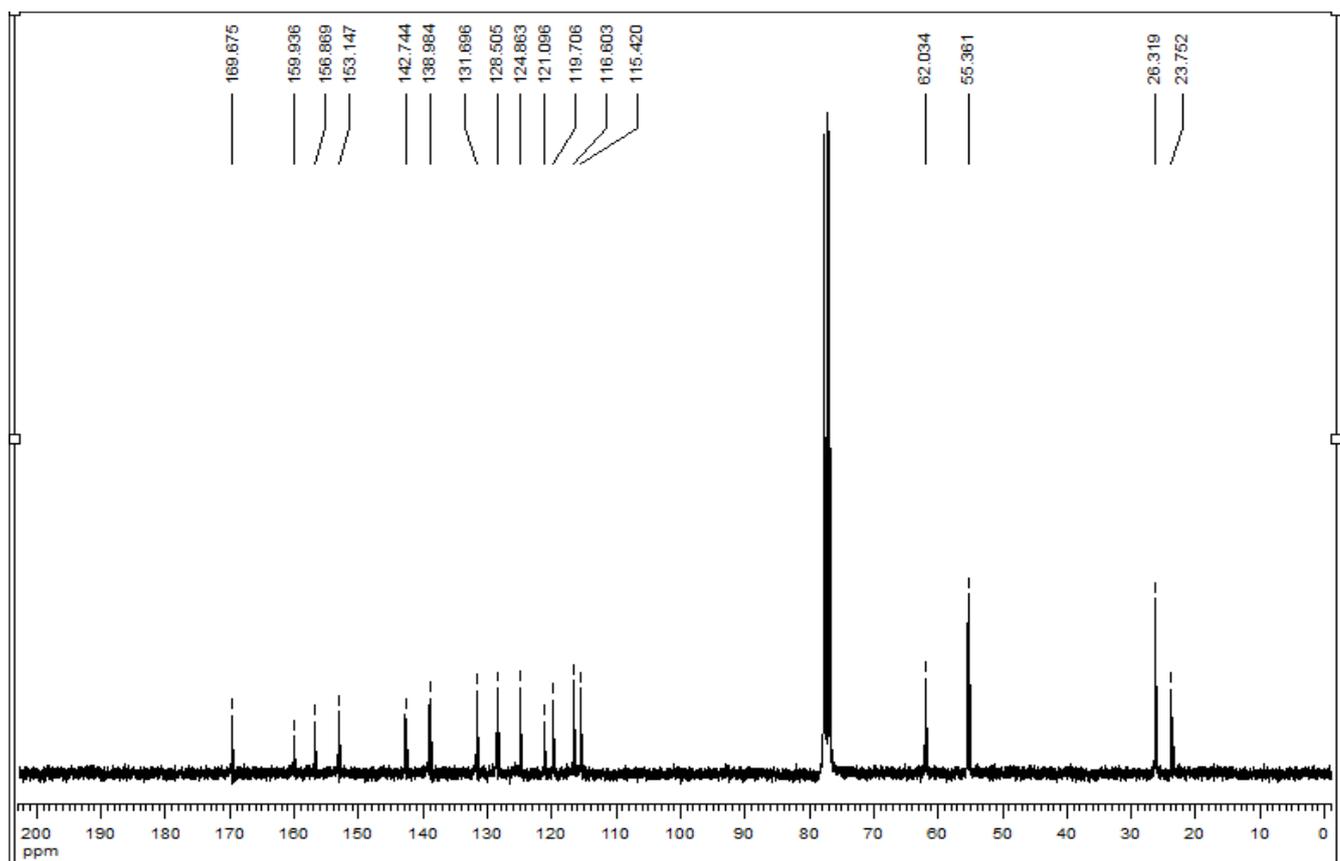
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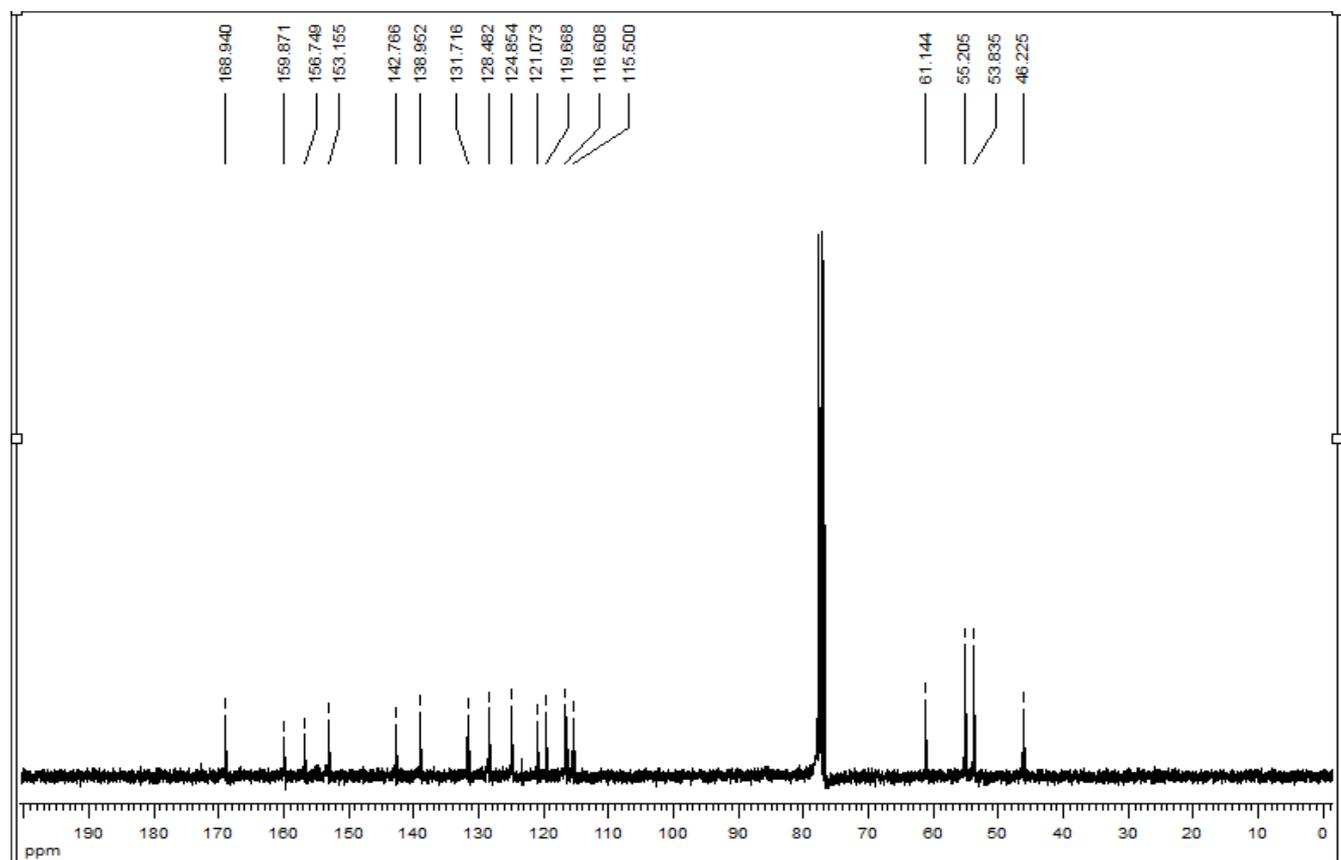
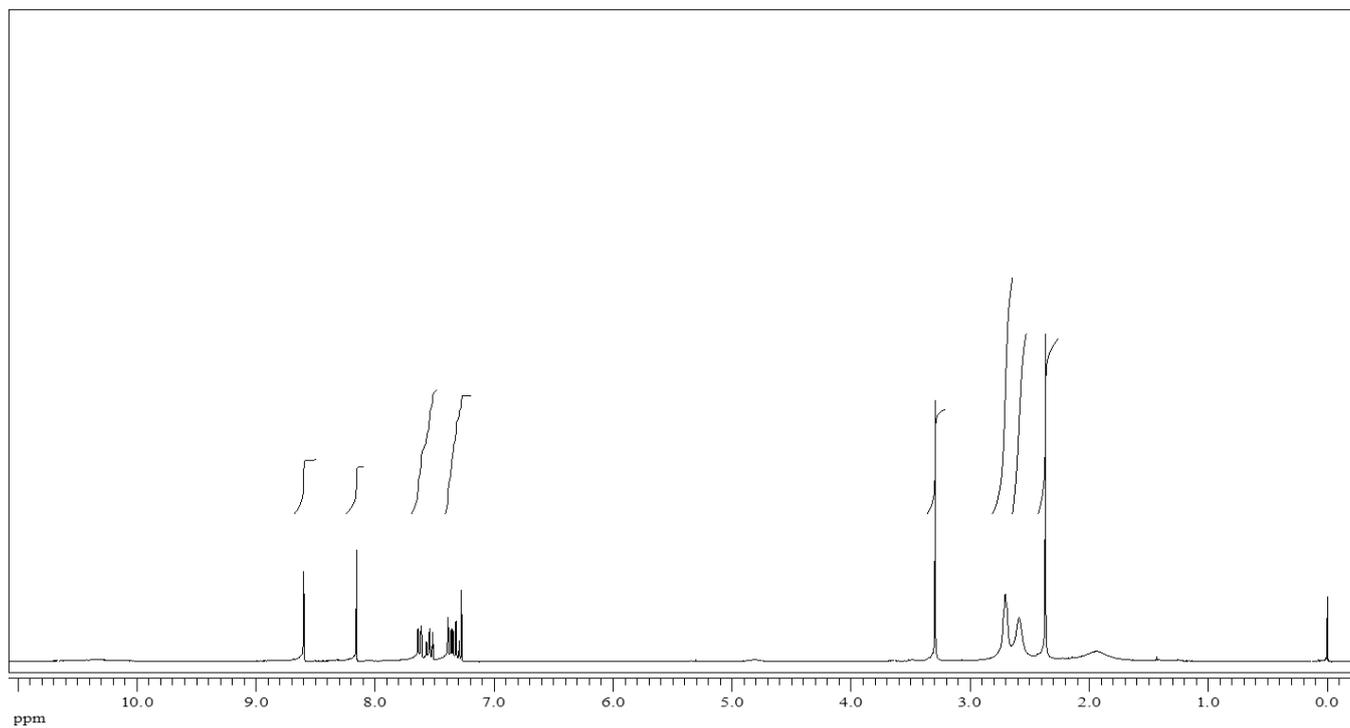


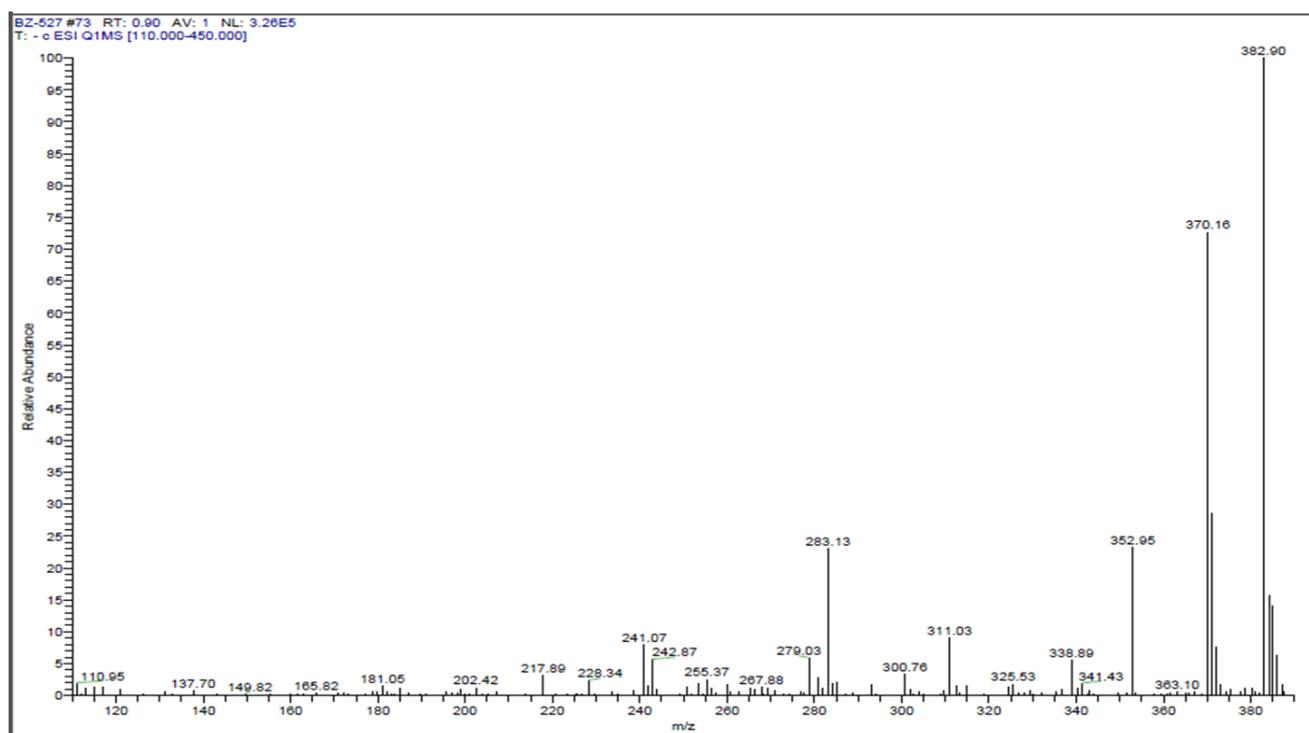
**S8:**  $^1\text{H}$  and  $^{13}\text{C}$  NMR and MS spectra of **6h**



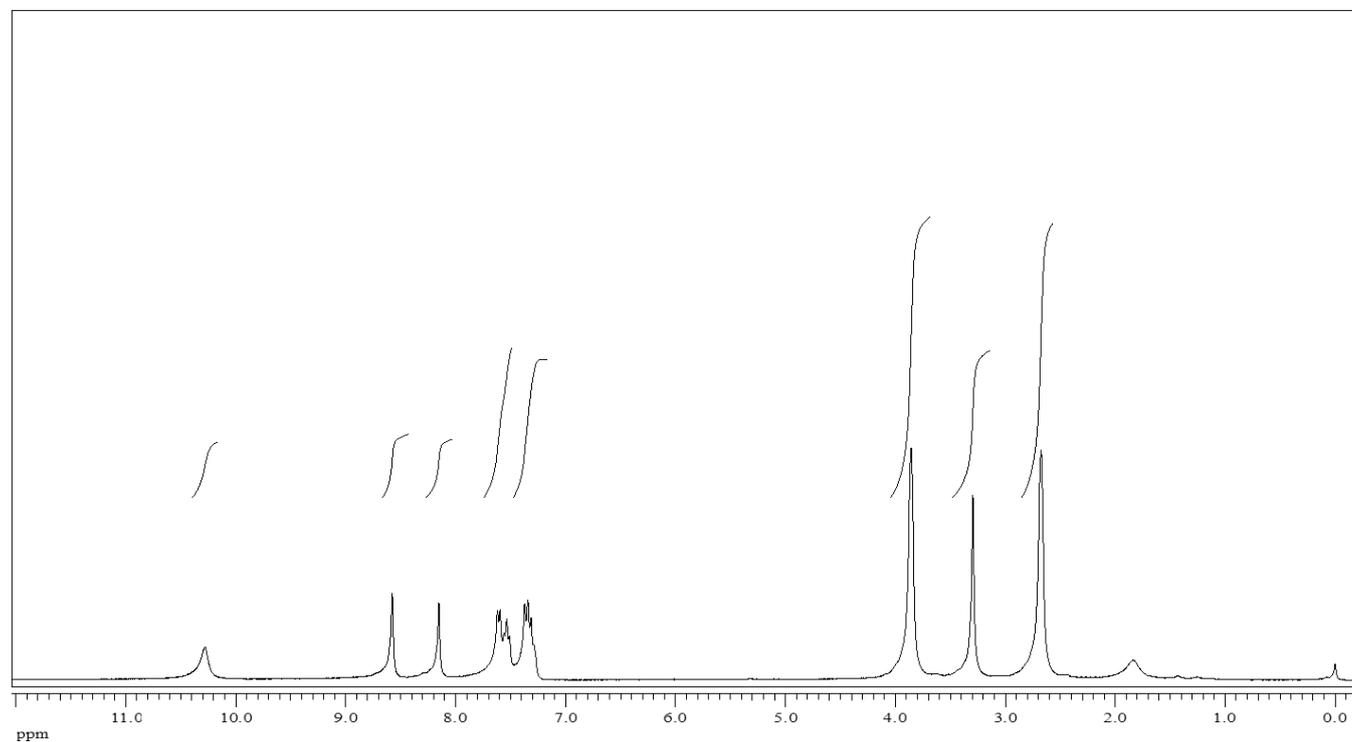


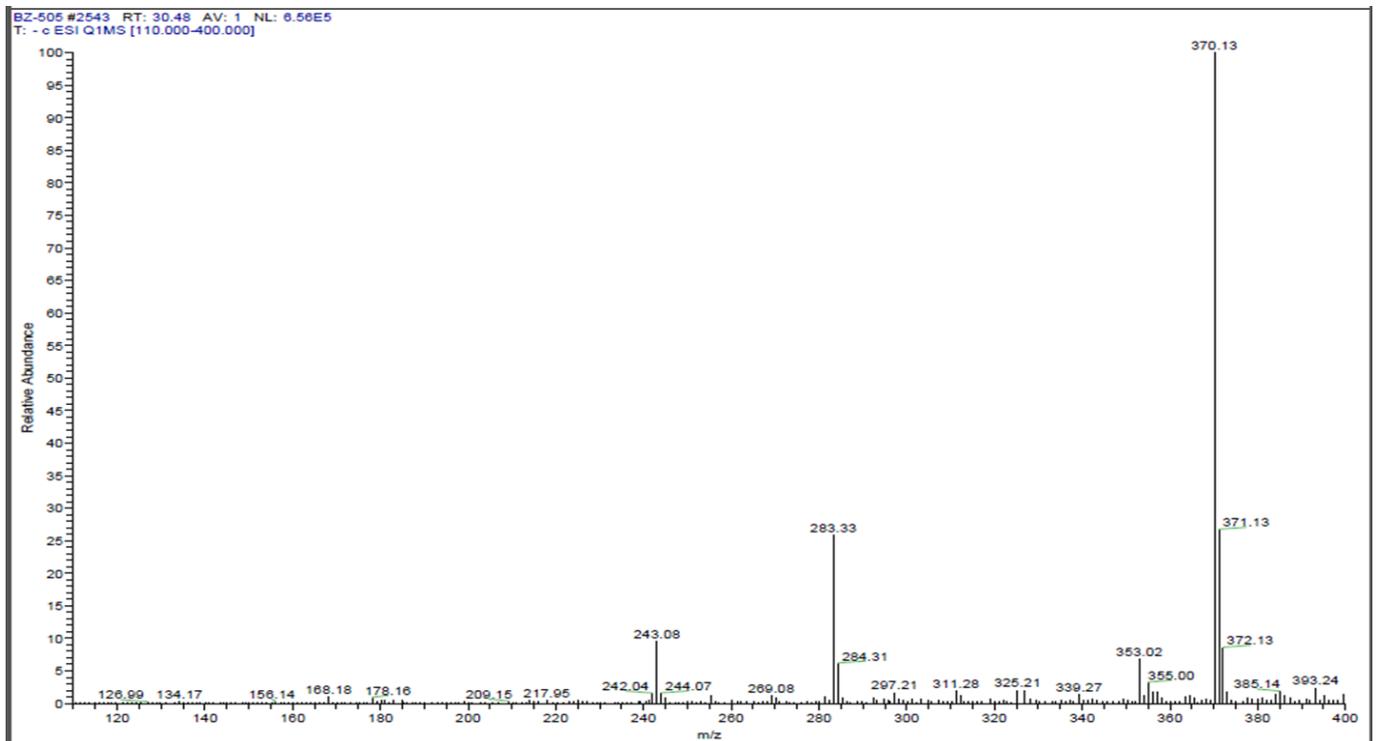
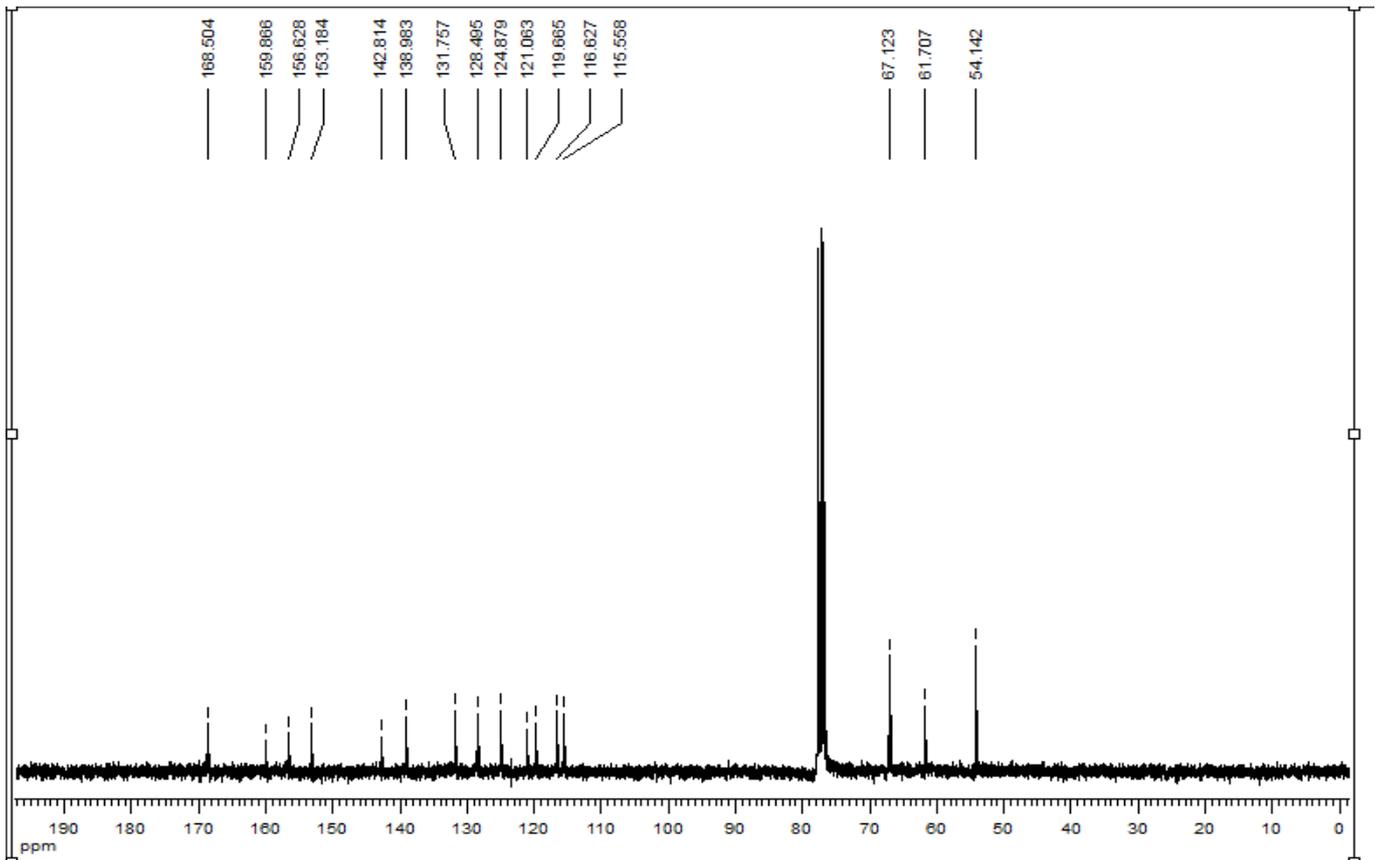
S9:  $^1\text{H}$  and  $^{13}\text{C}$  NMR and MS spectra of **6i**



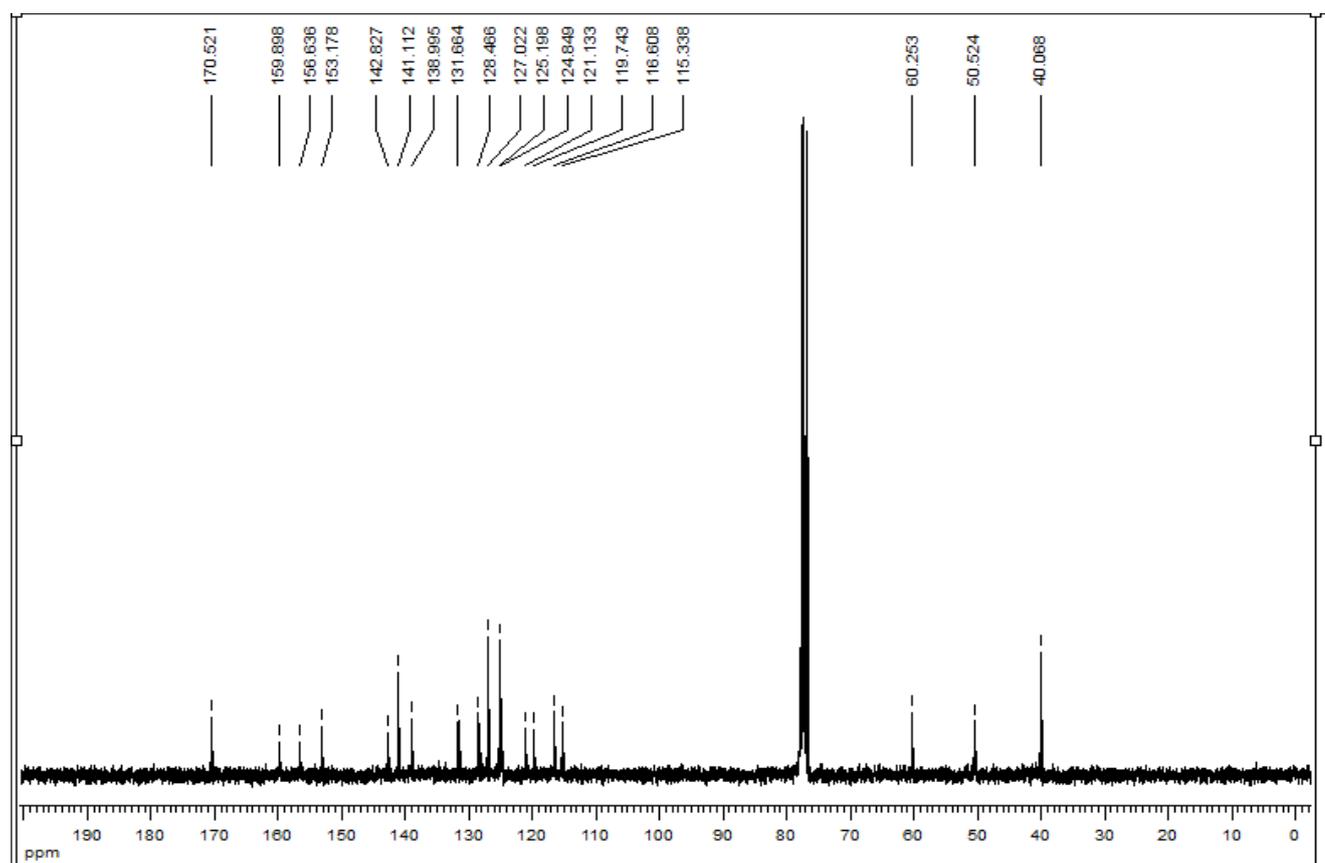
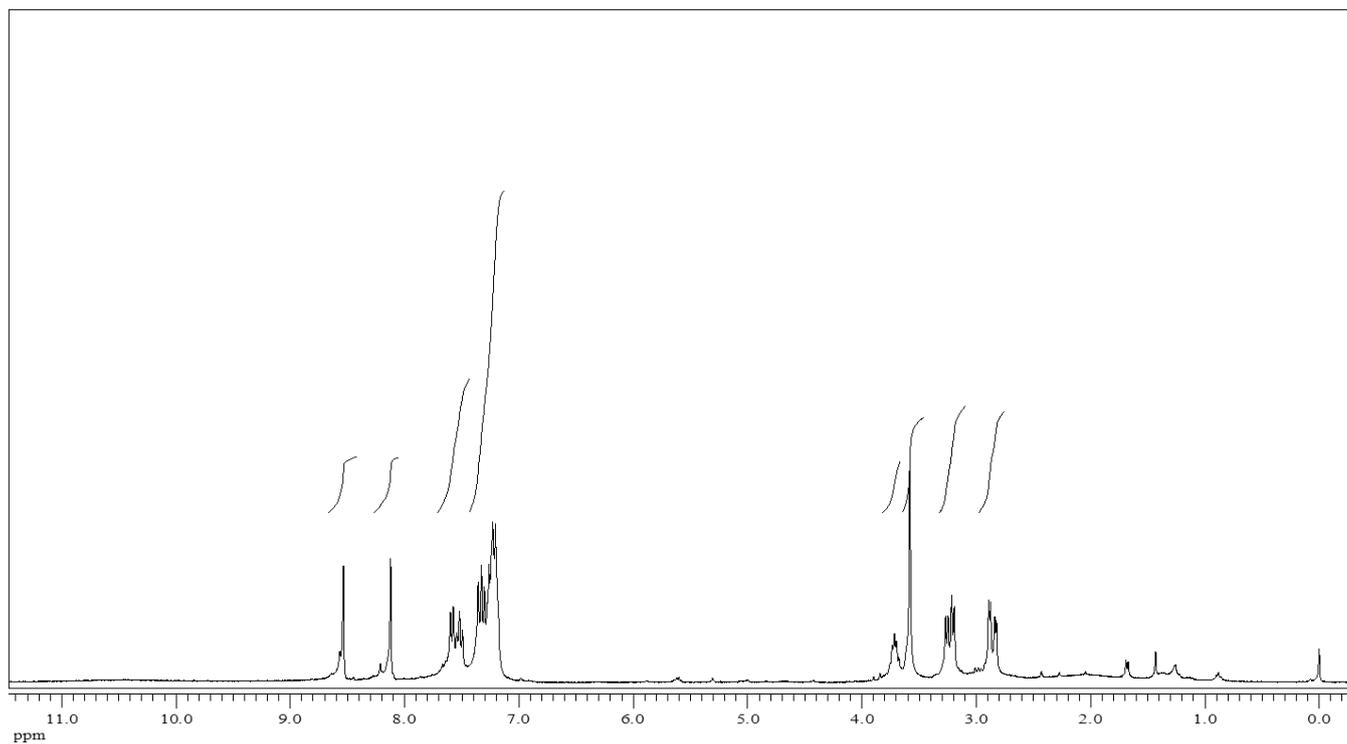


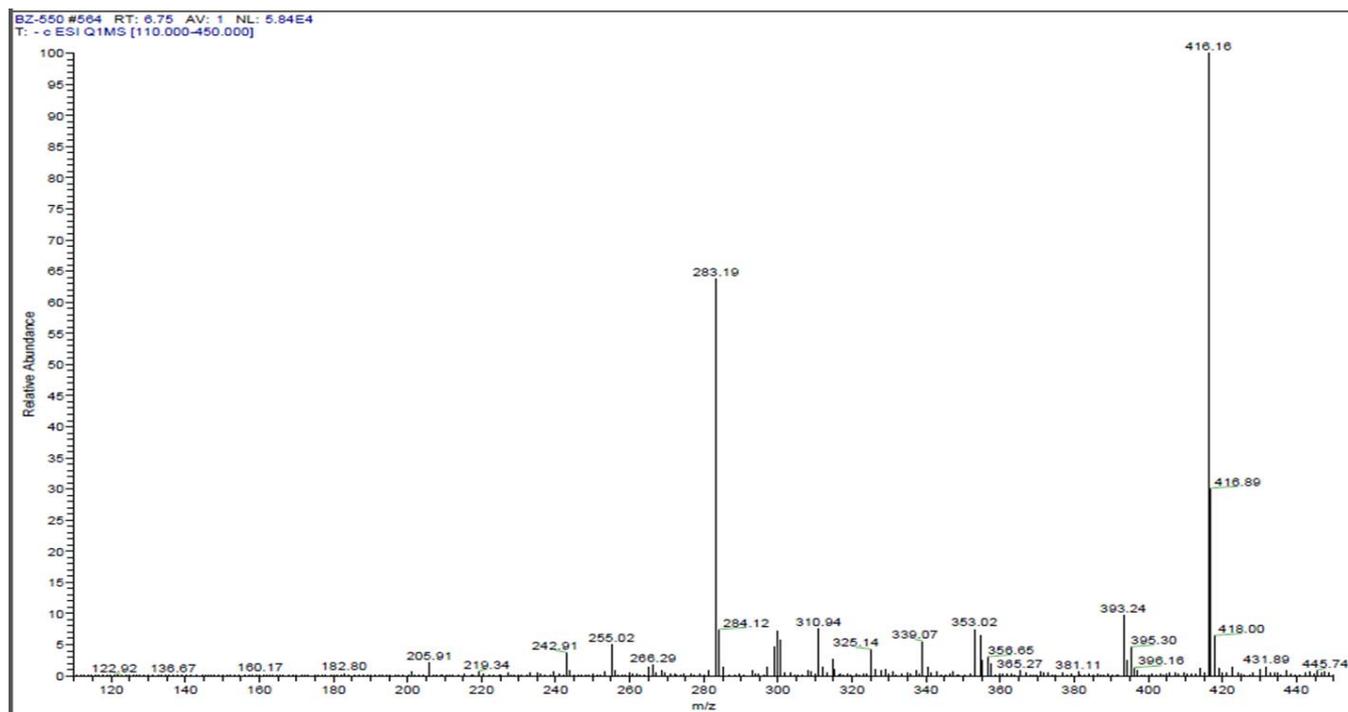
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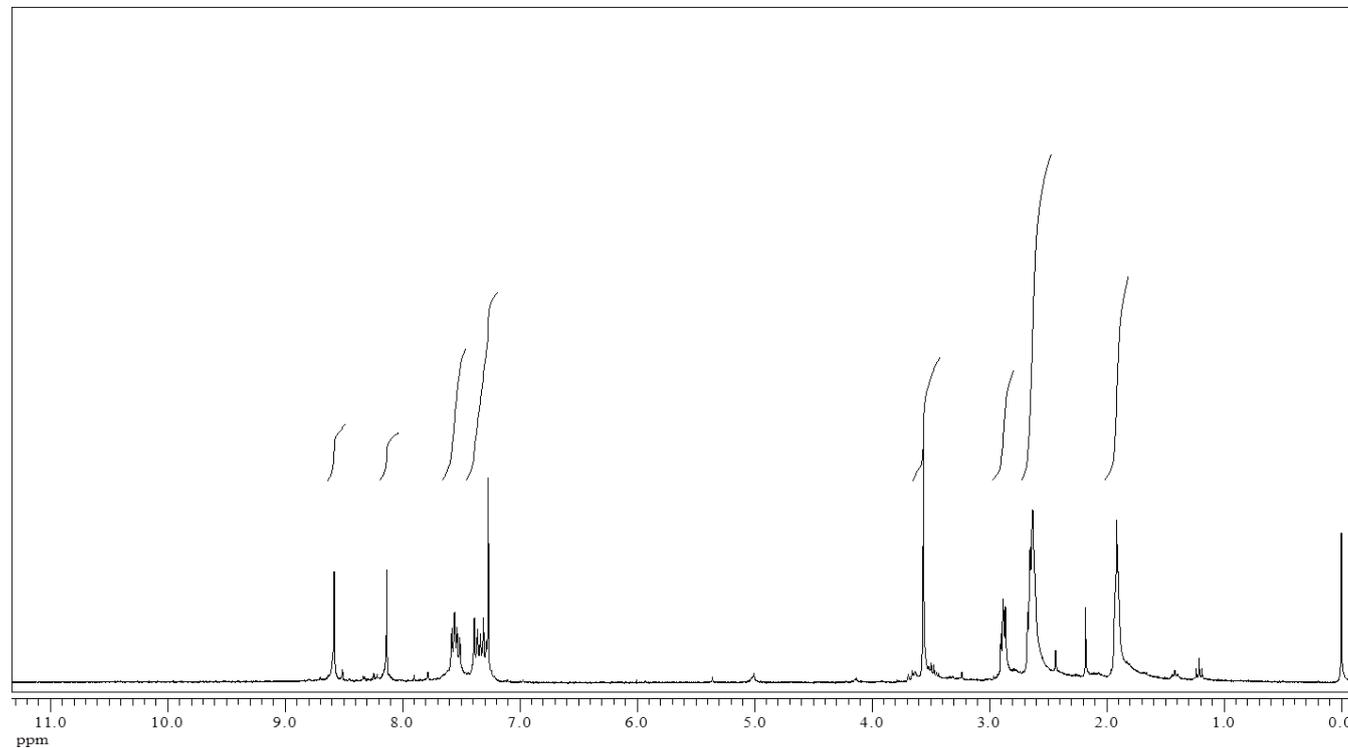


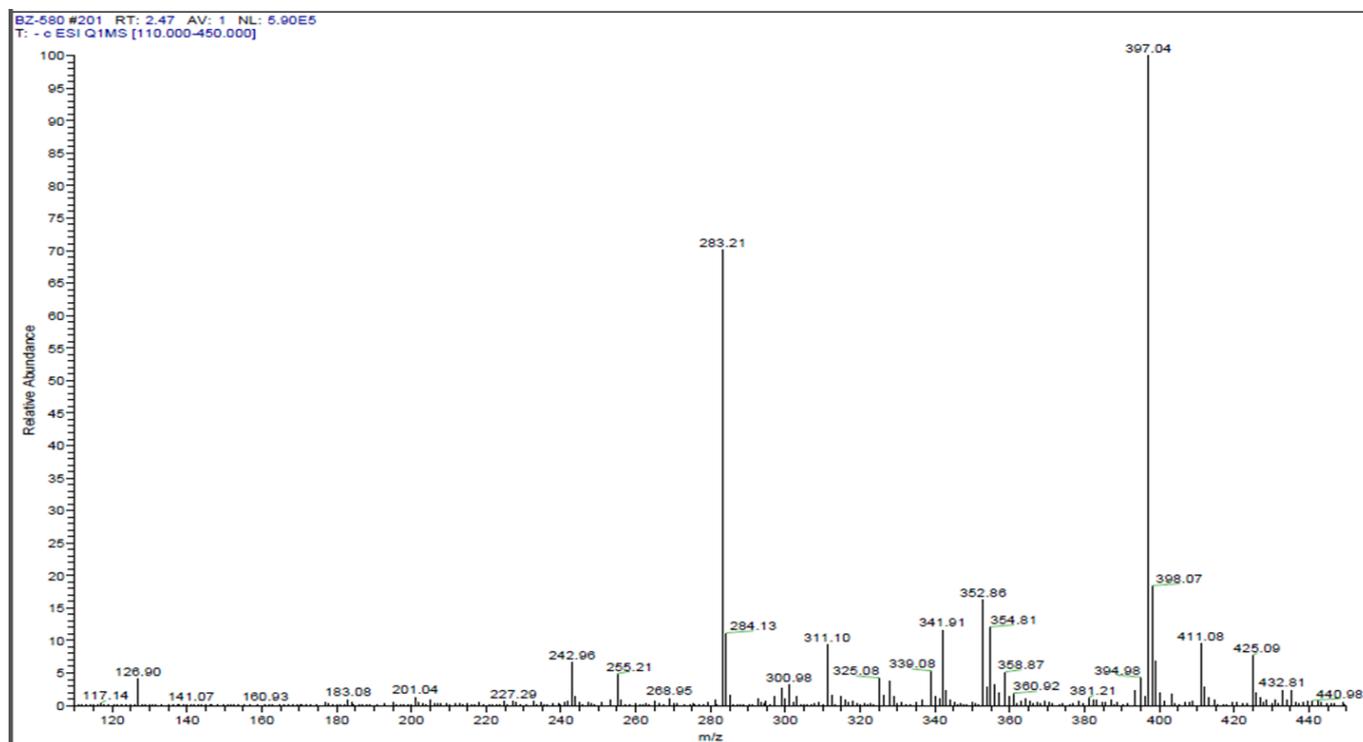
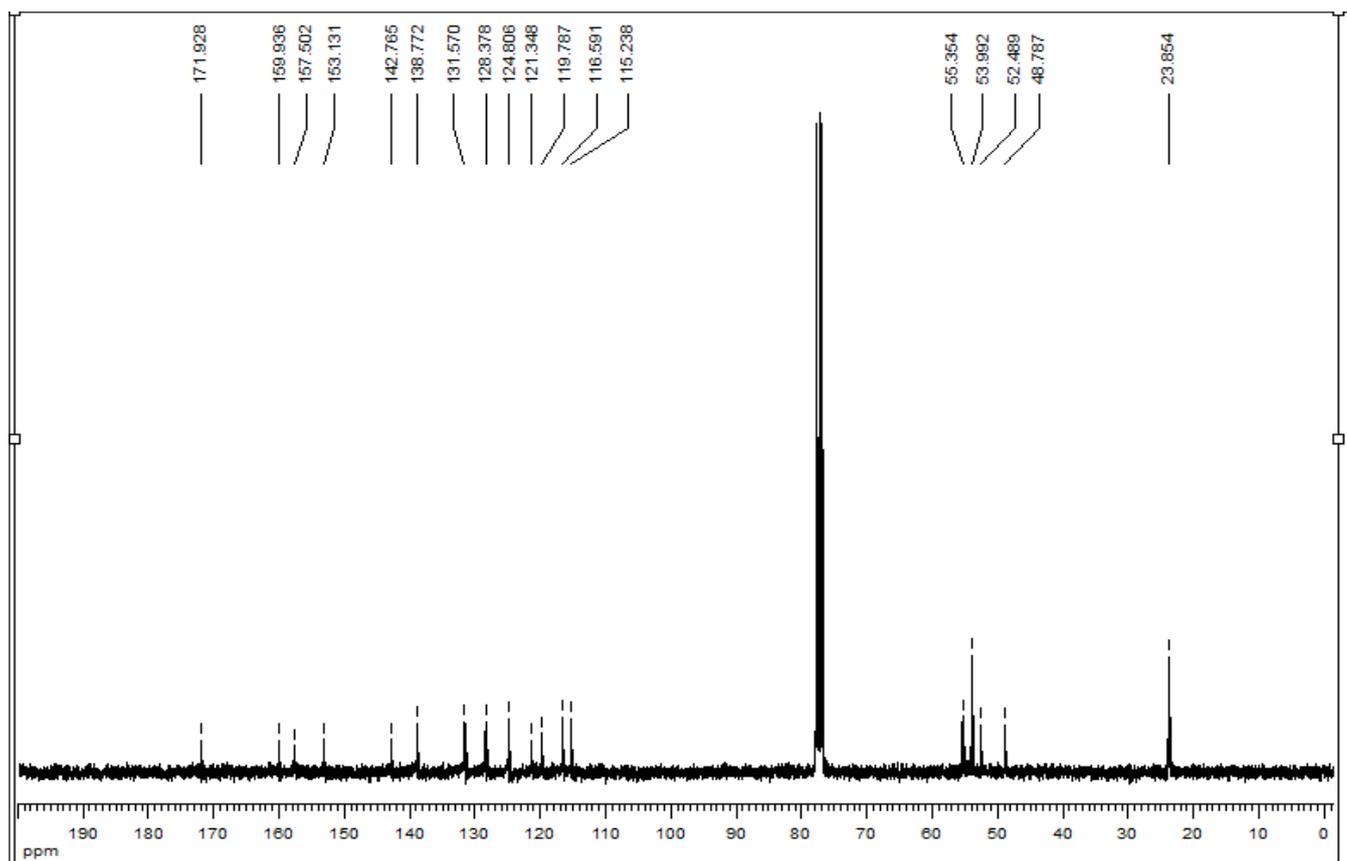
S11:  $^1\text{H}$  and  $^{13}\text{C}$  NMR and MS spectra of **6k**



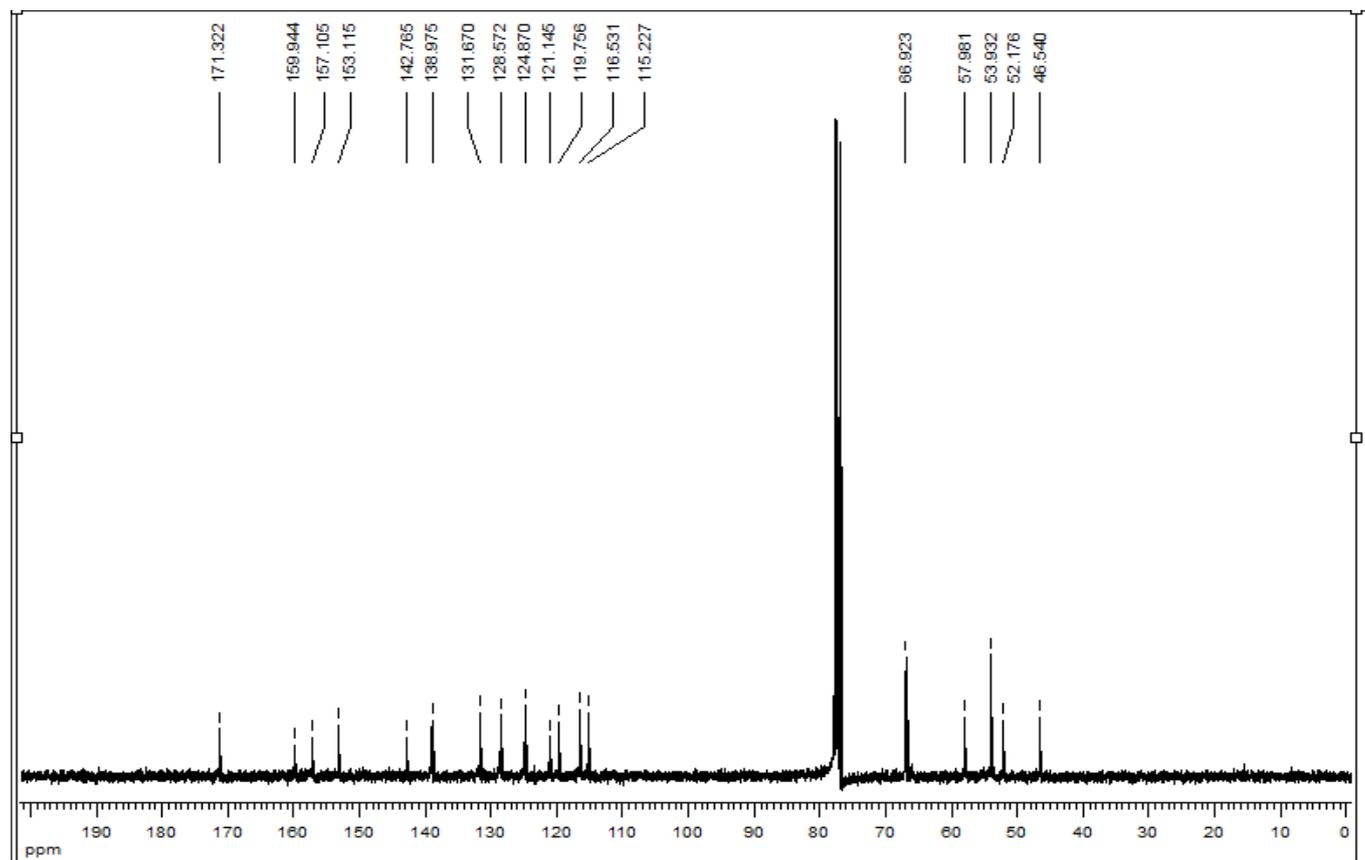
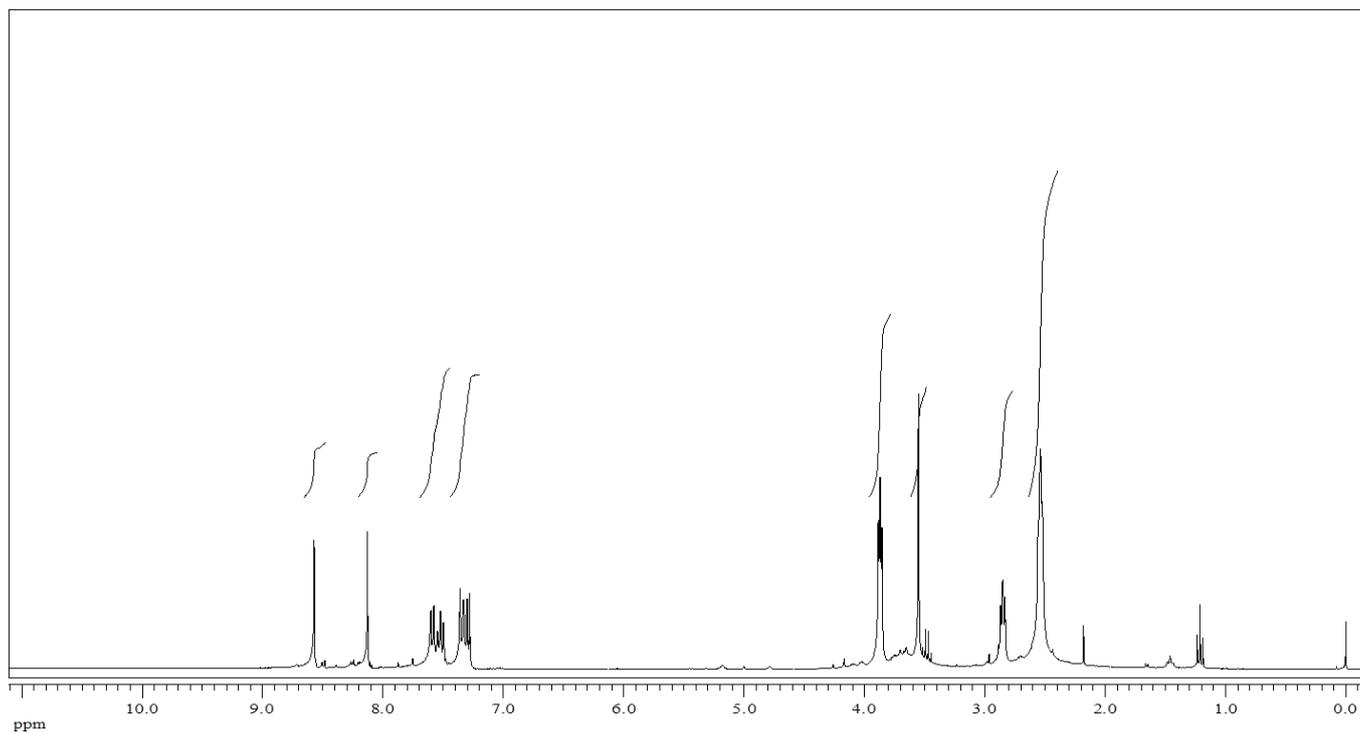


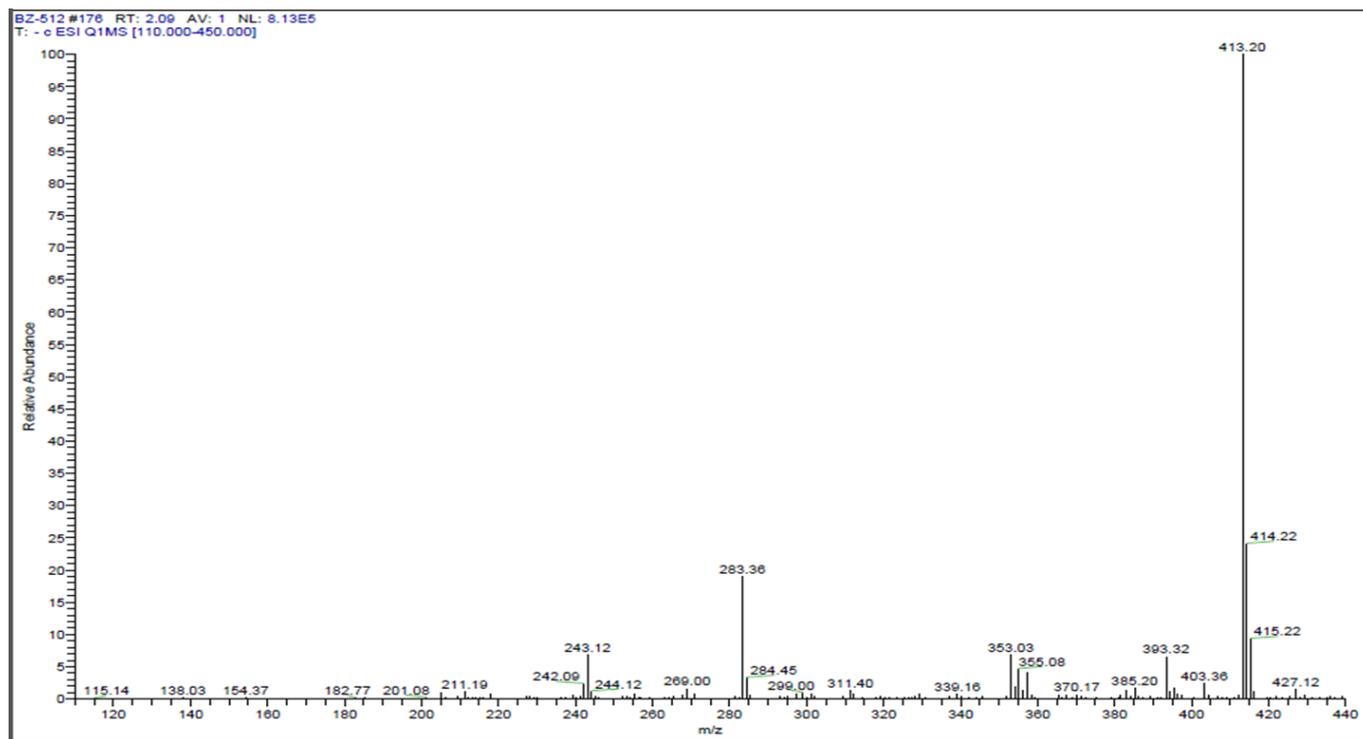
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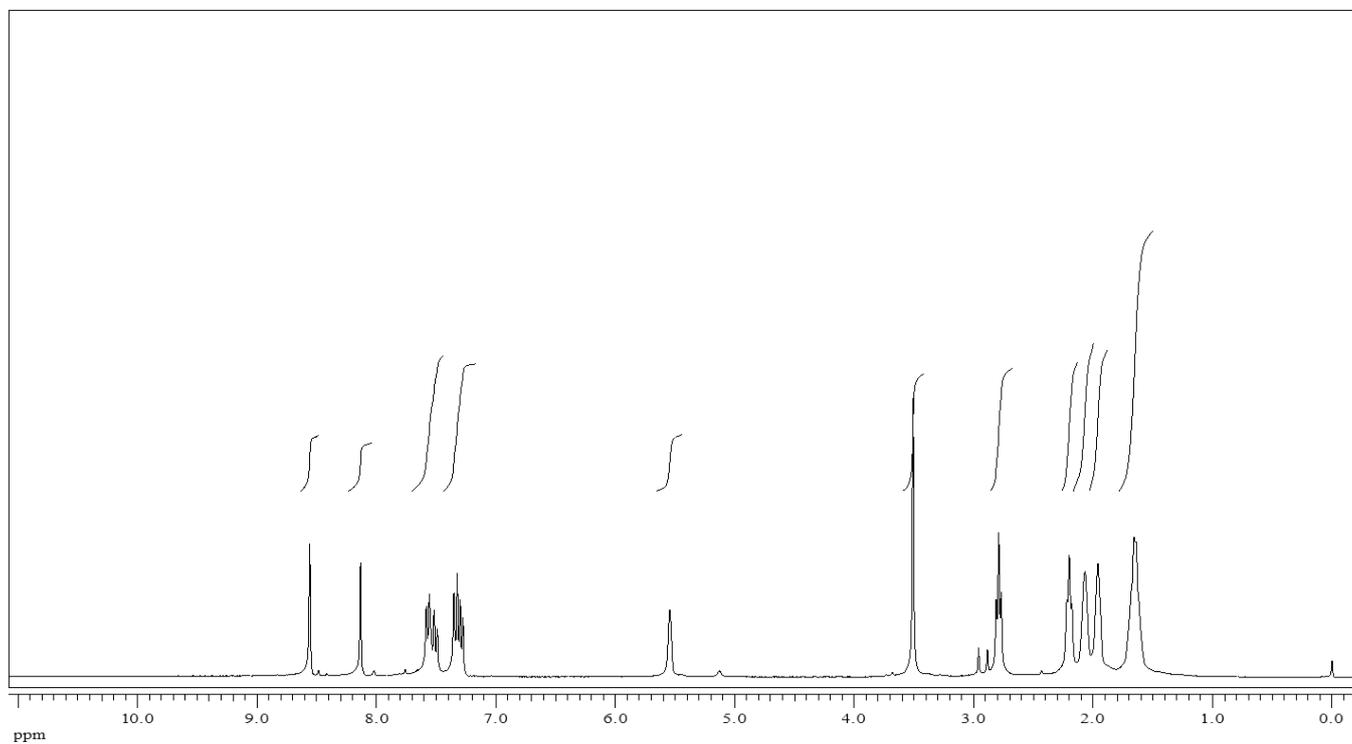


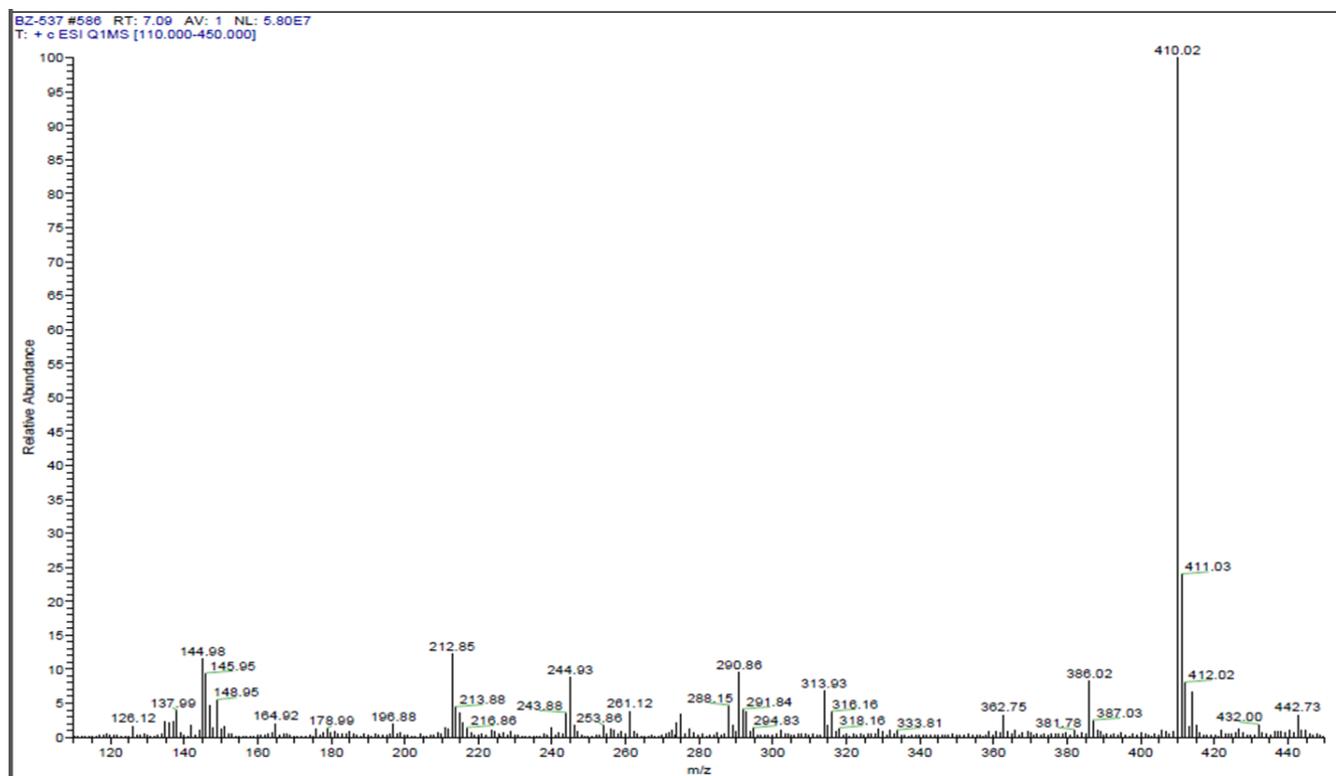
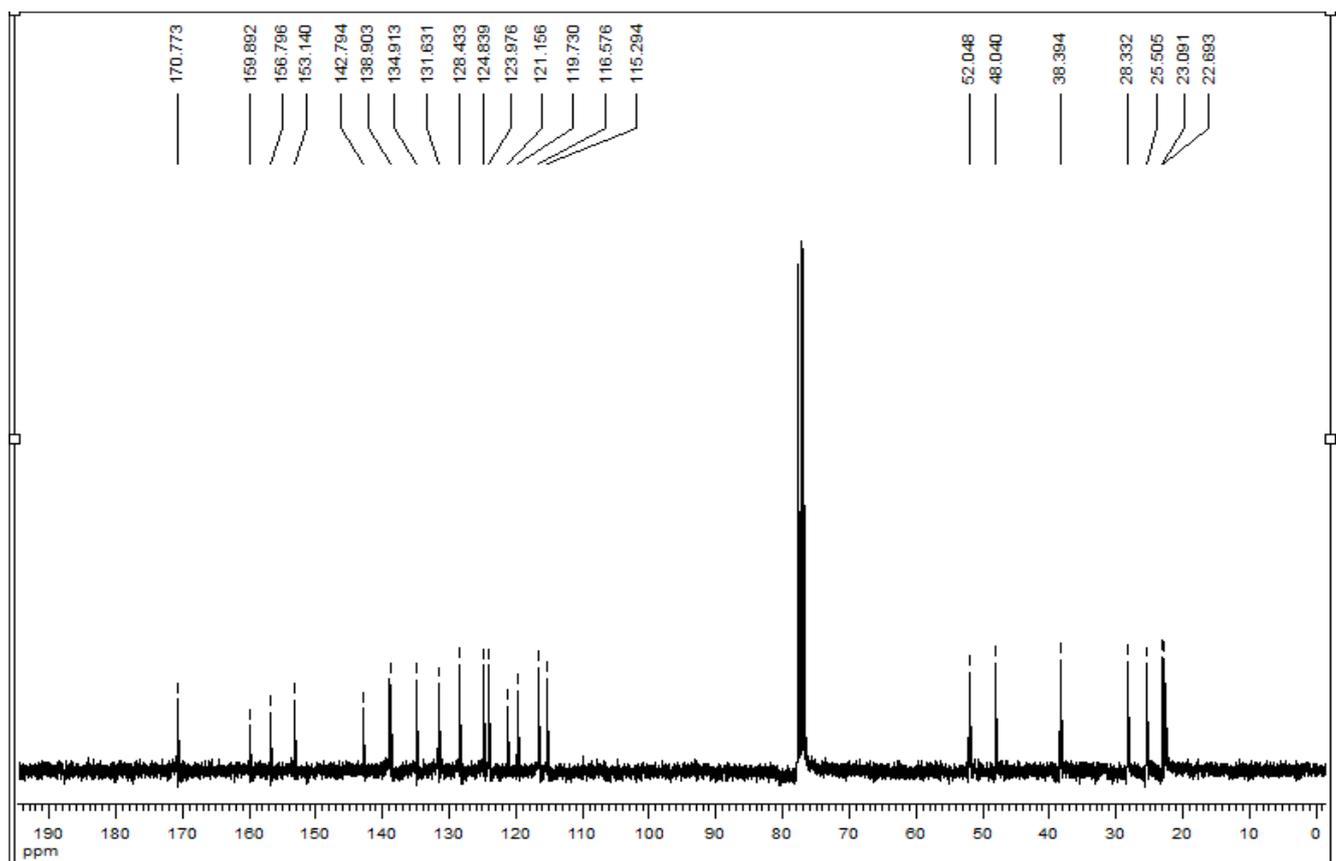
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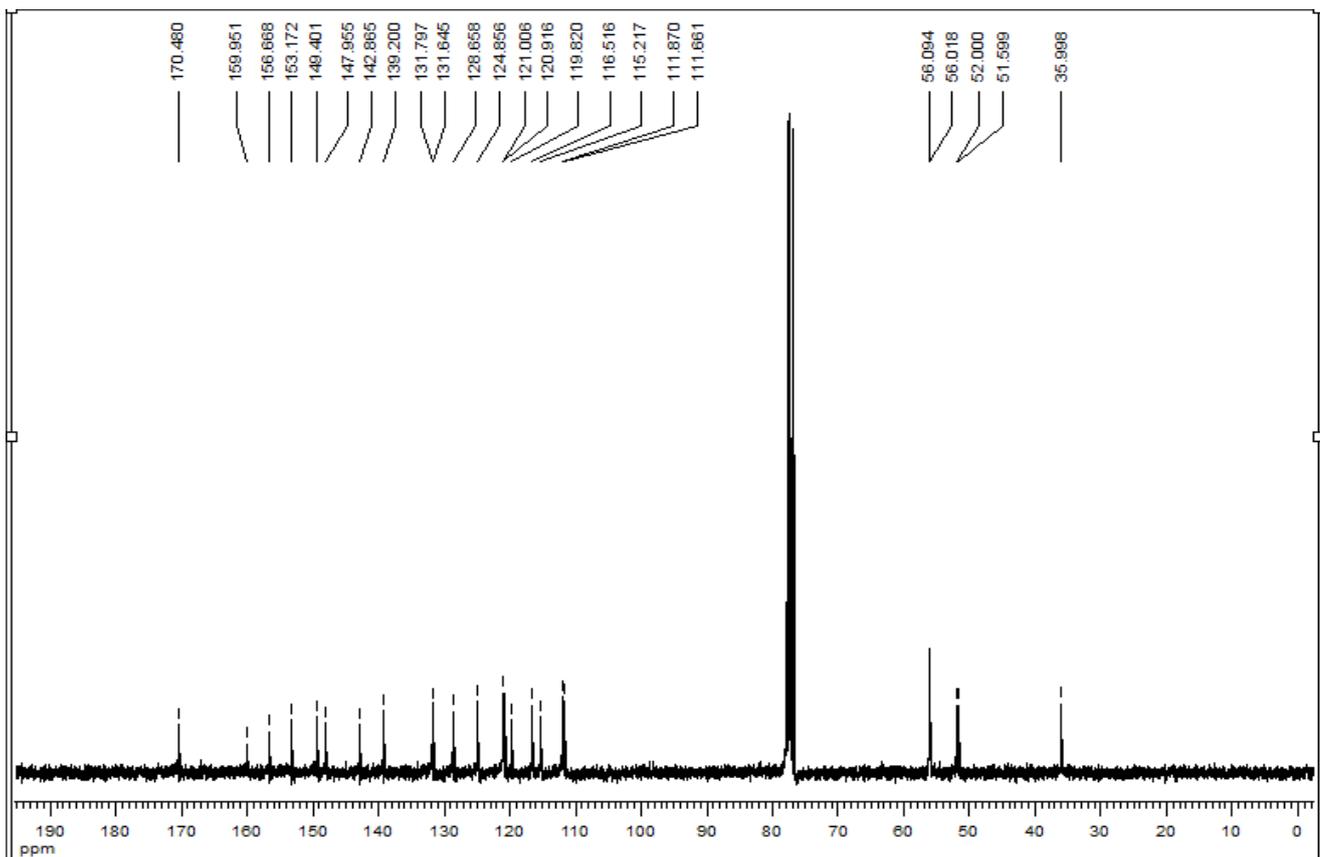
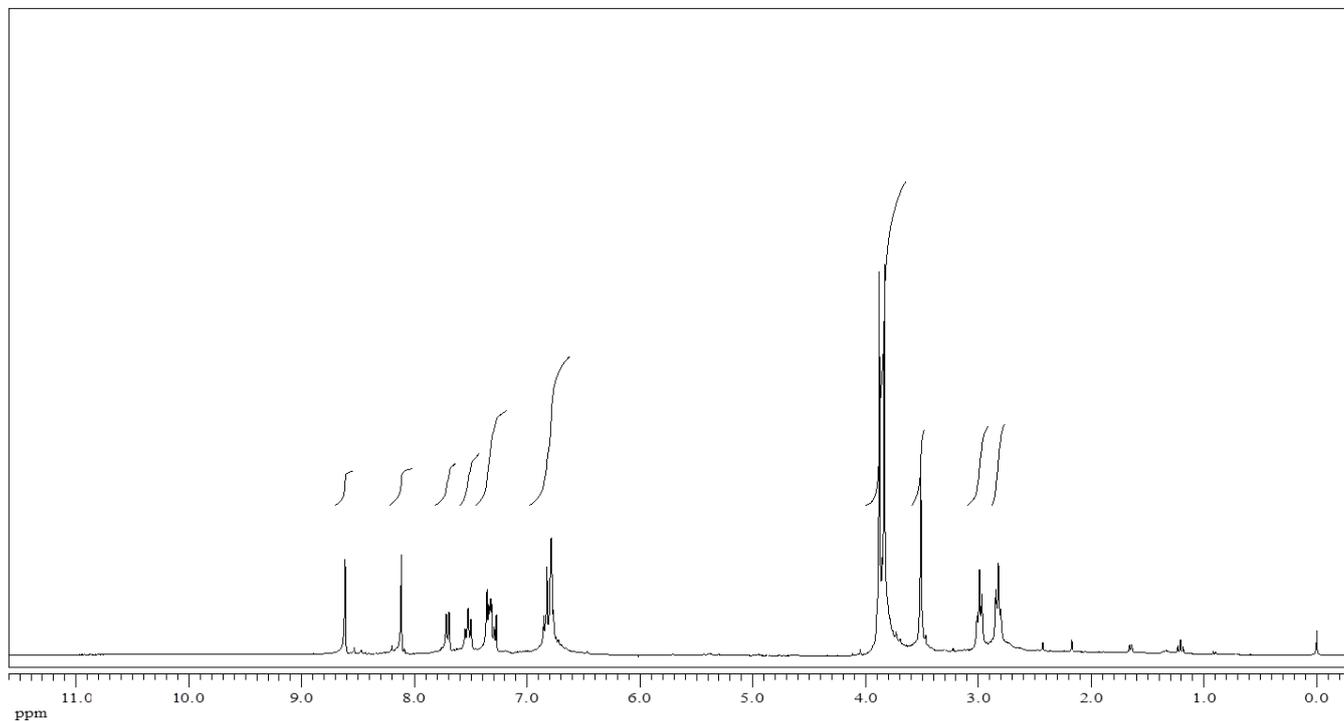


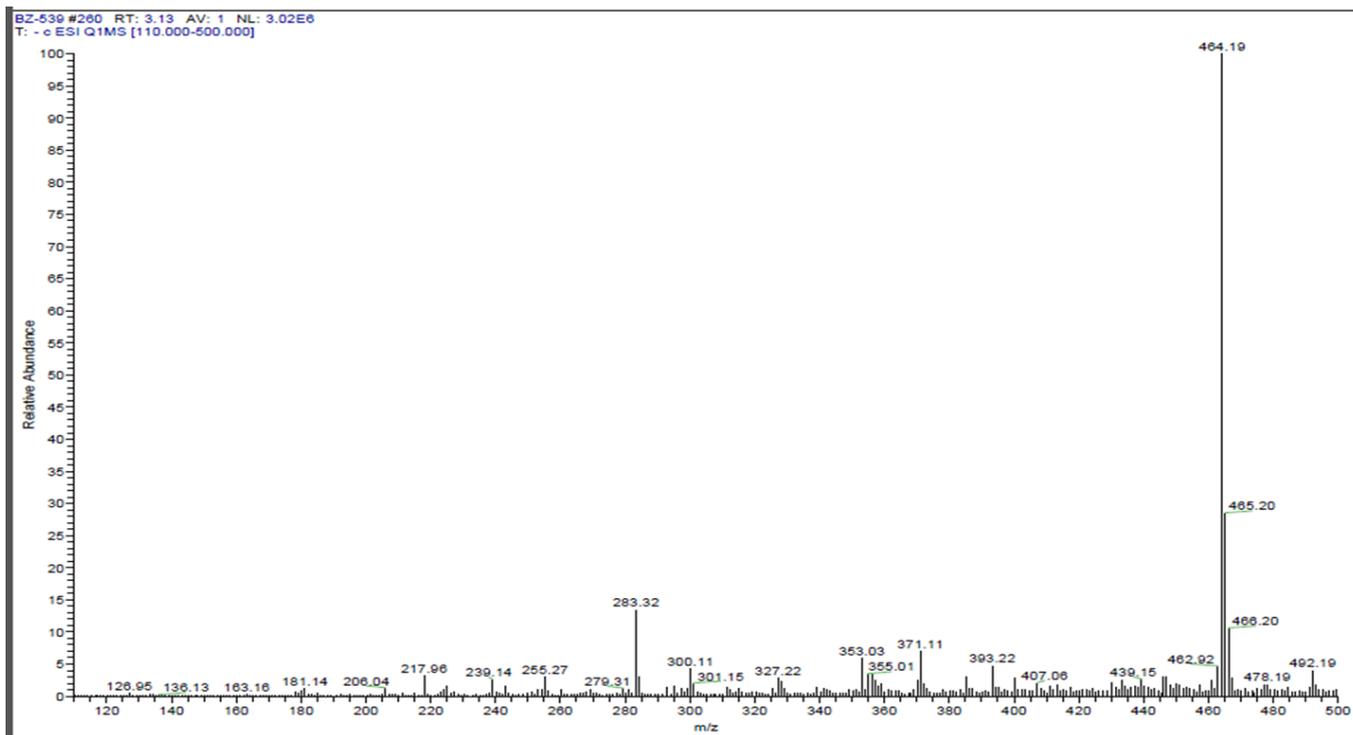
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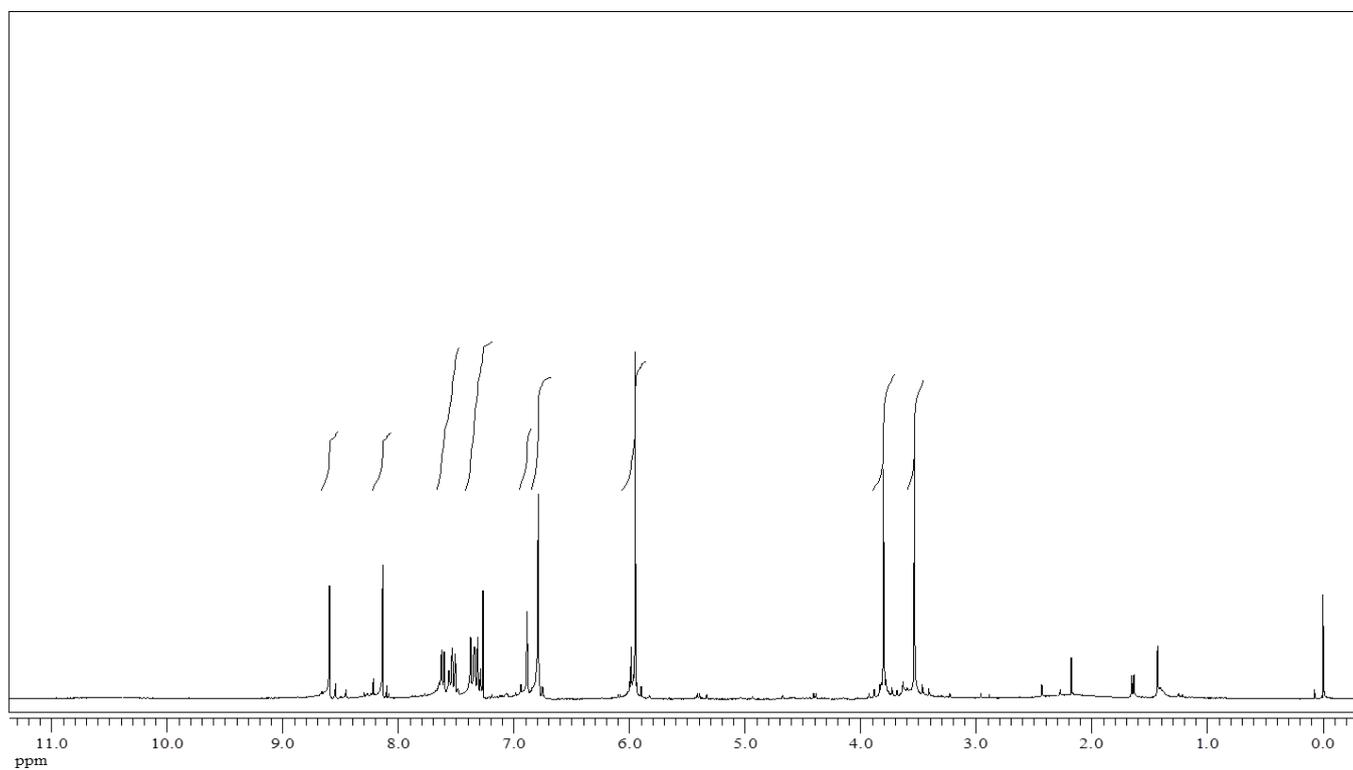


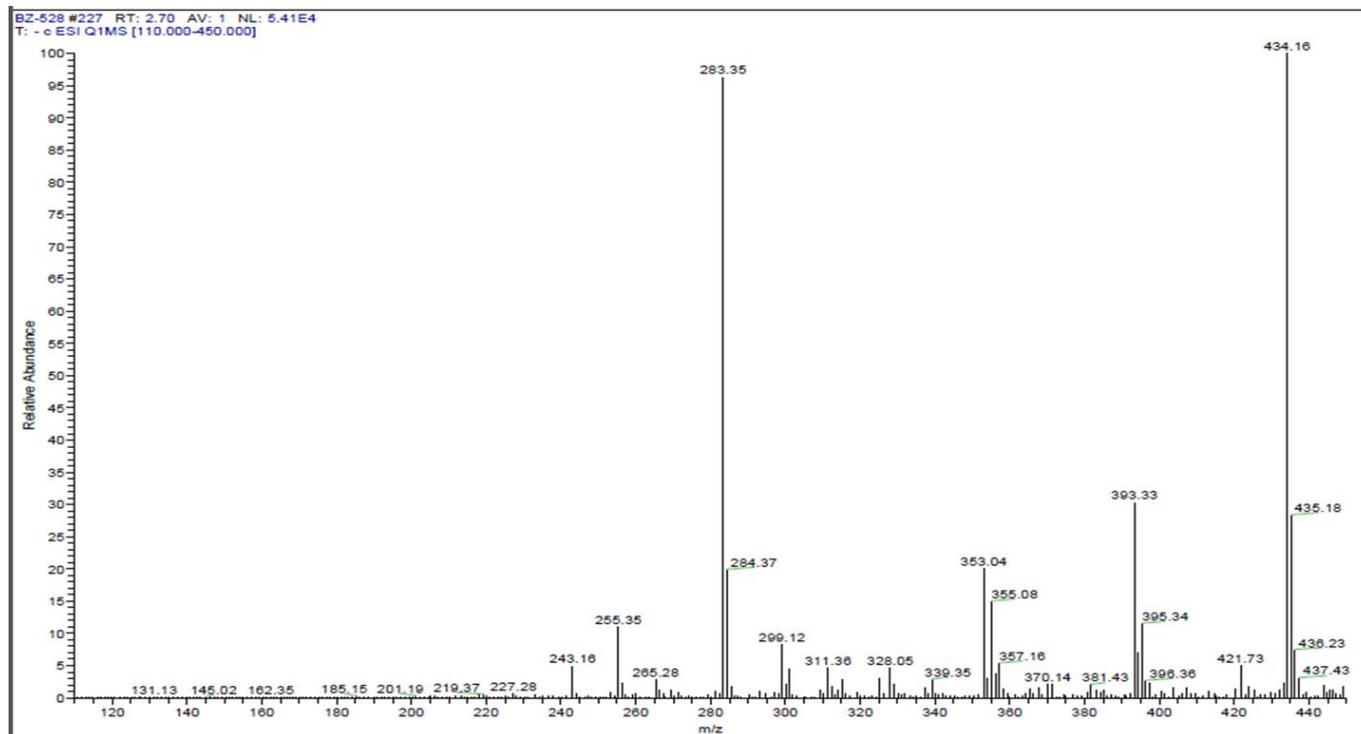
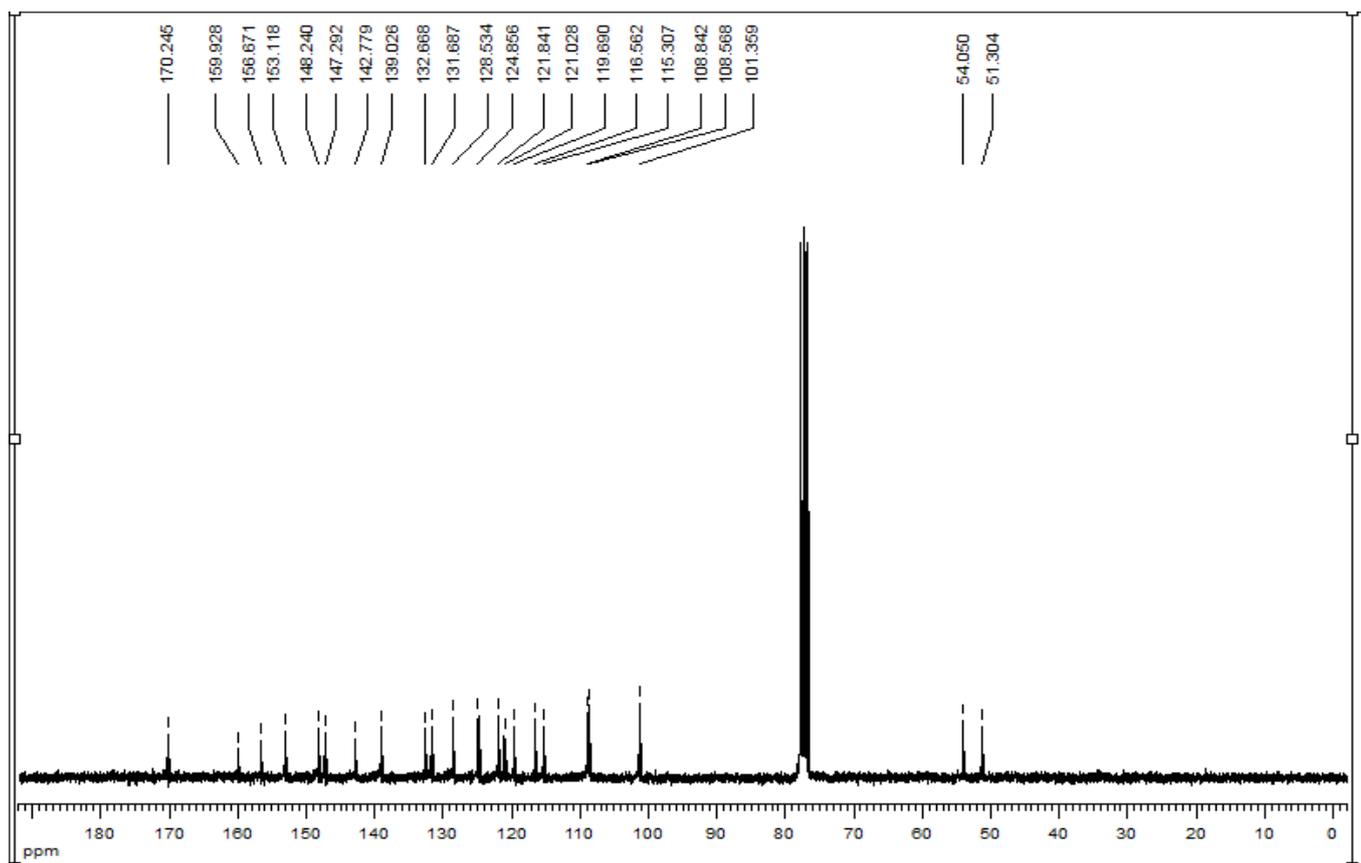
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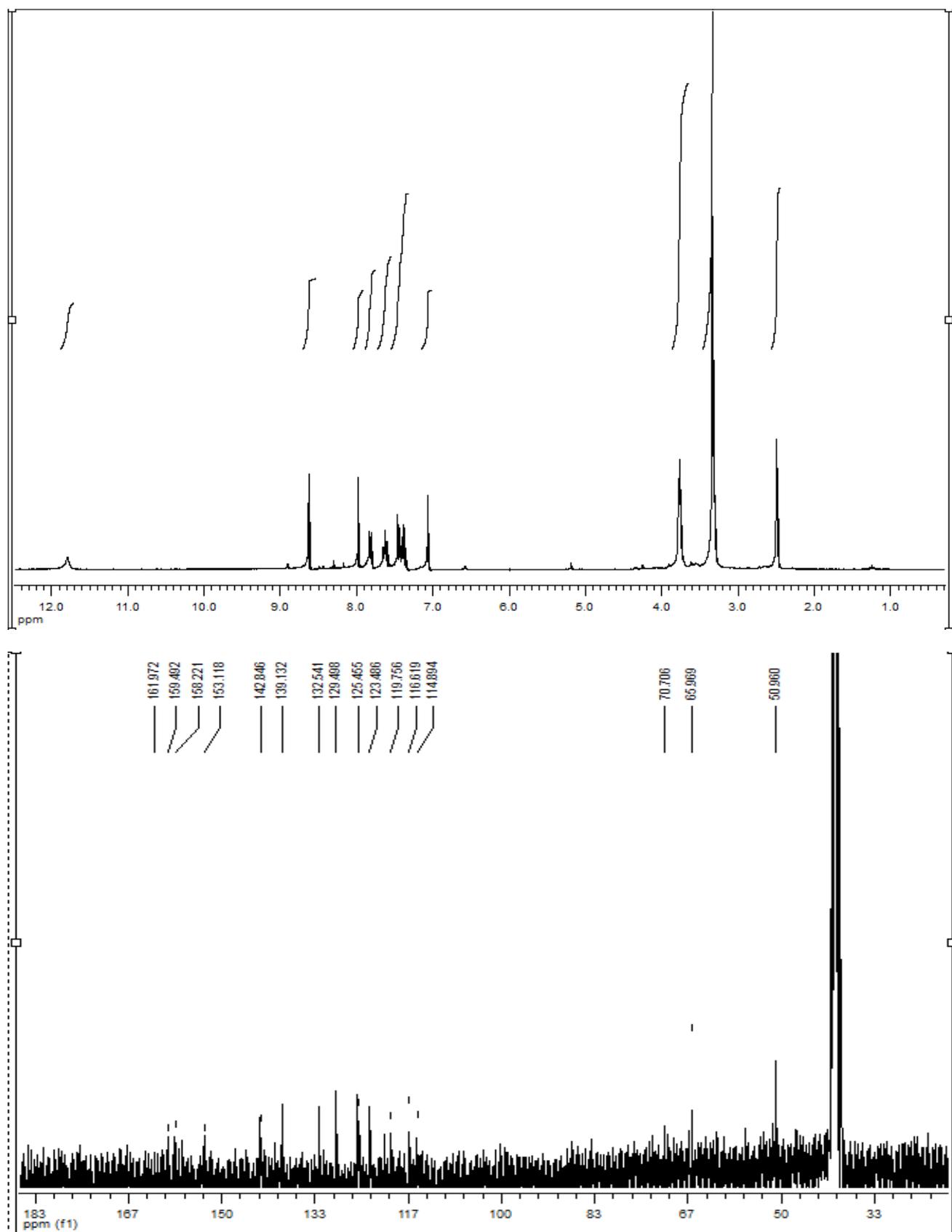


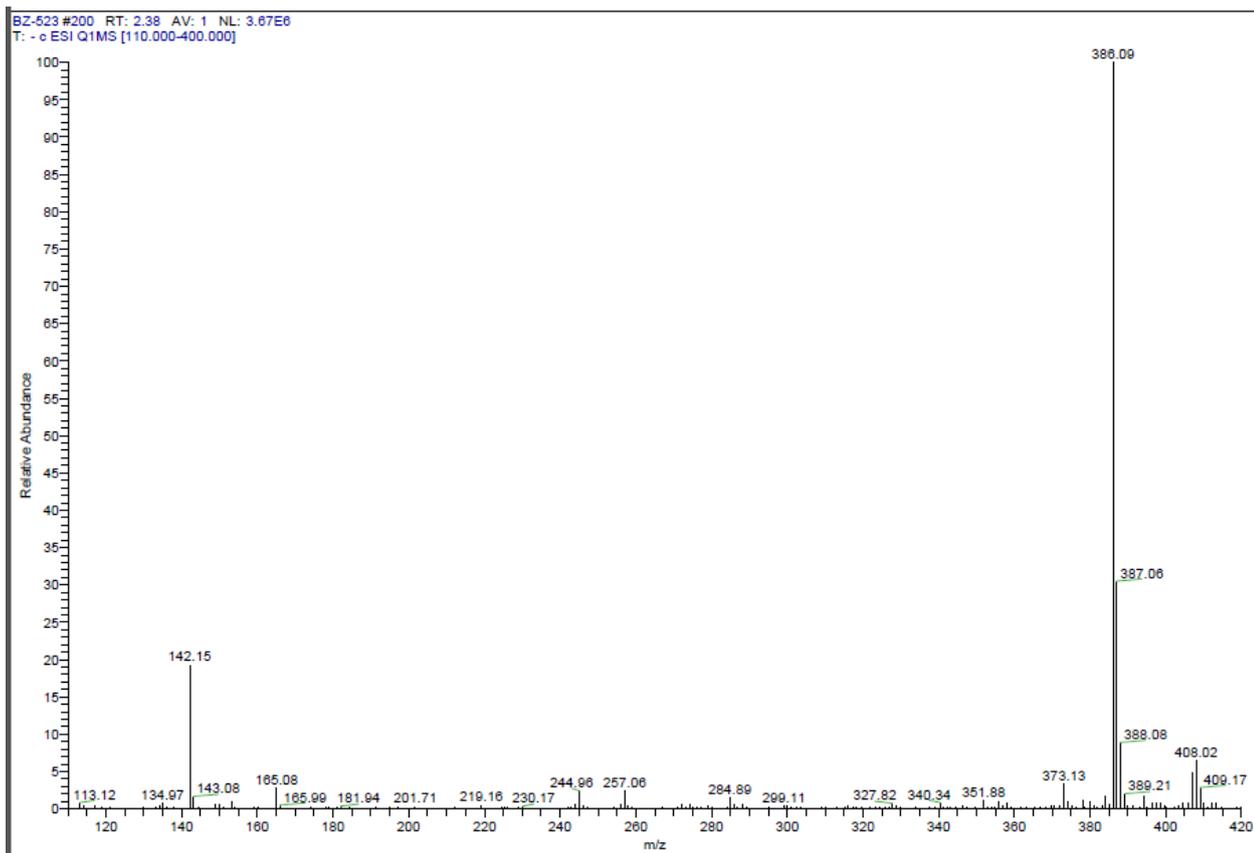
**S16:**  $^1\text{H}$  and  $^{13}\text{C}$  NMR and MS spectra of **6p**



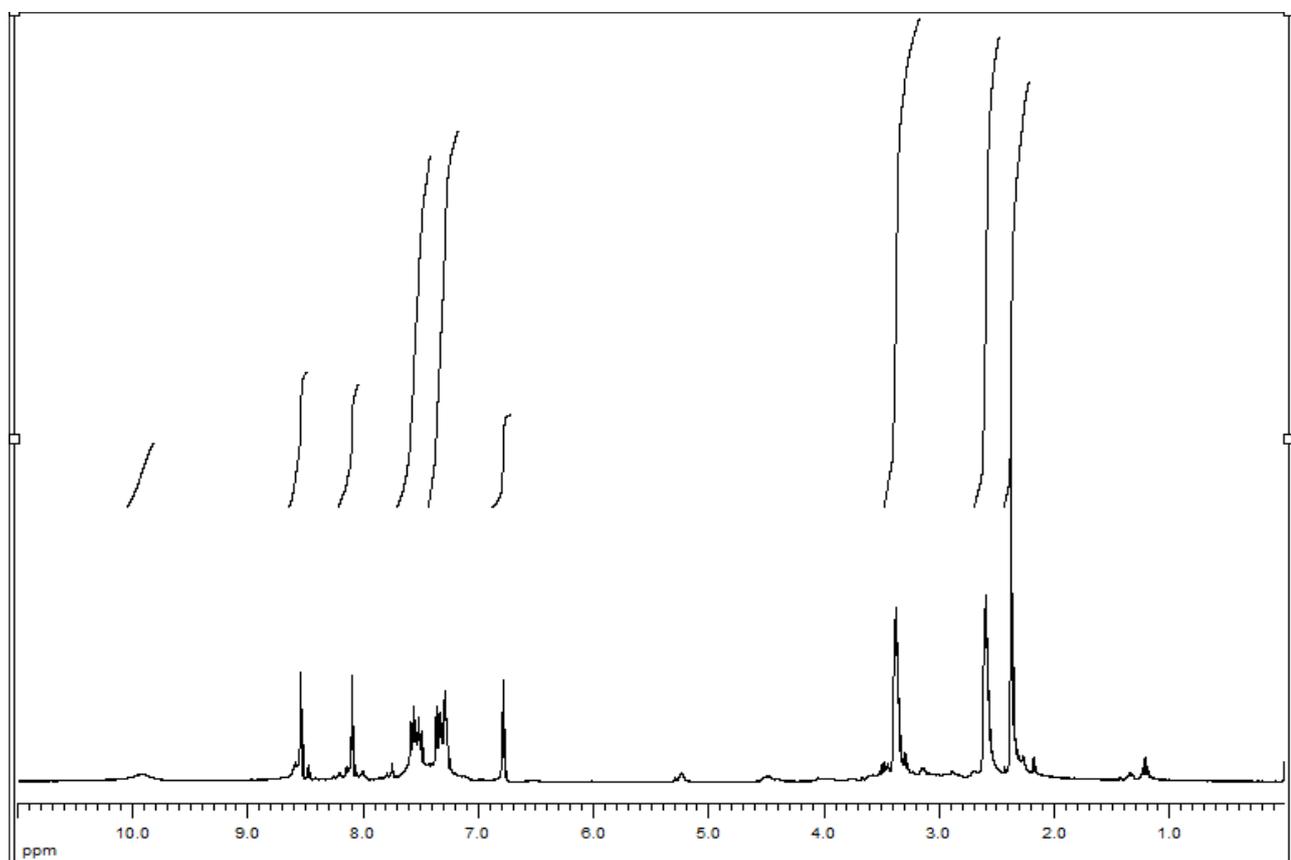


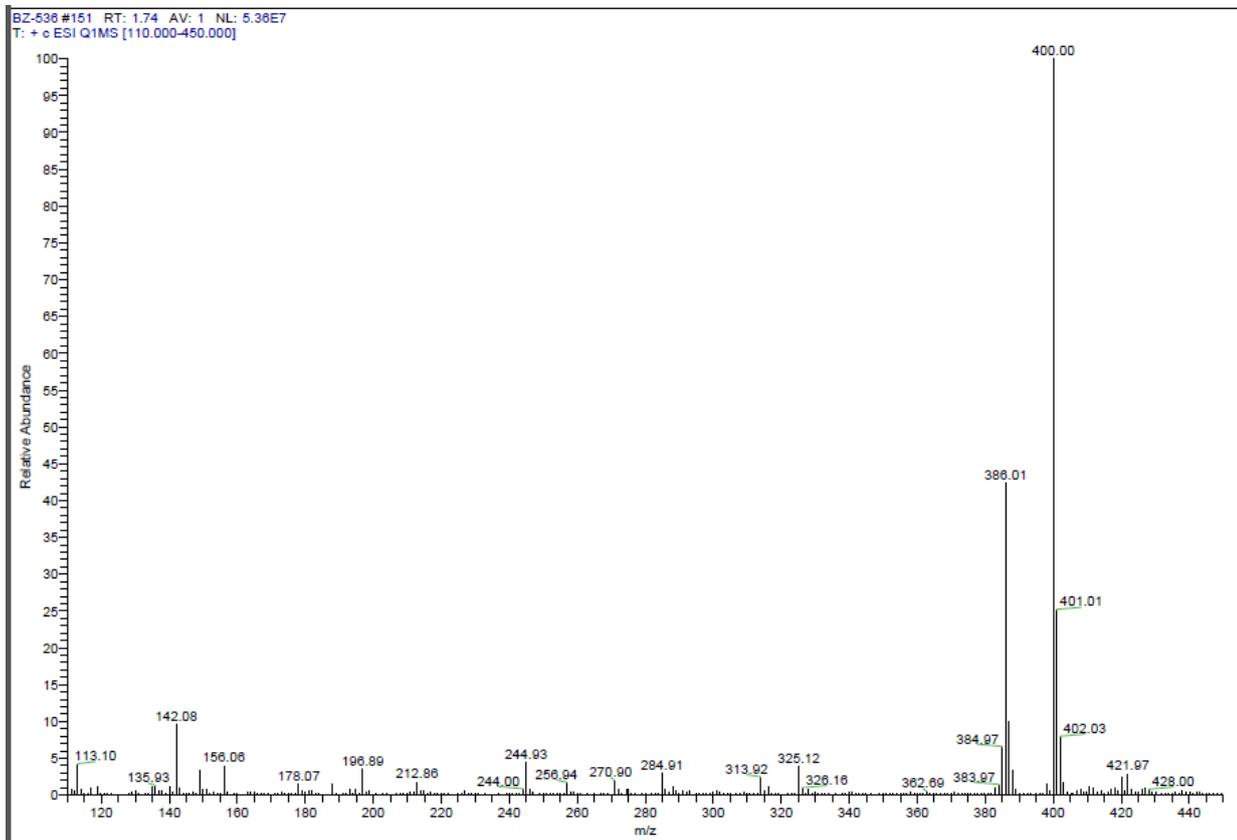
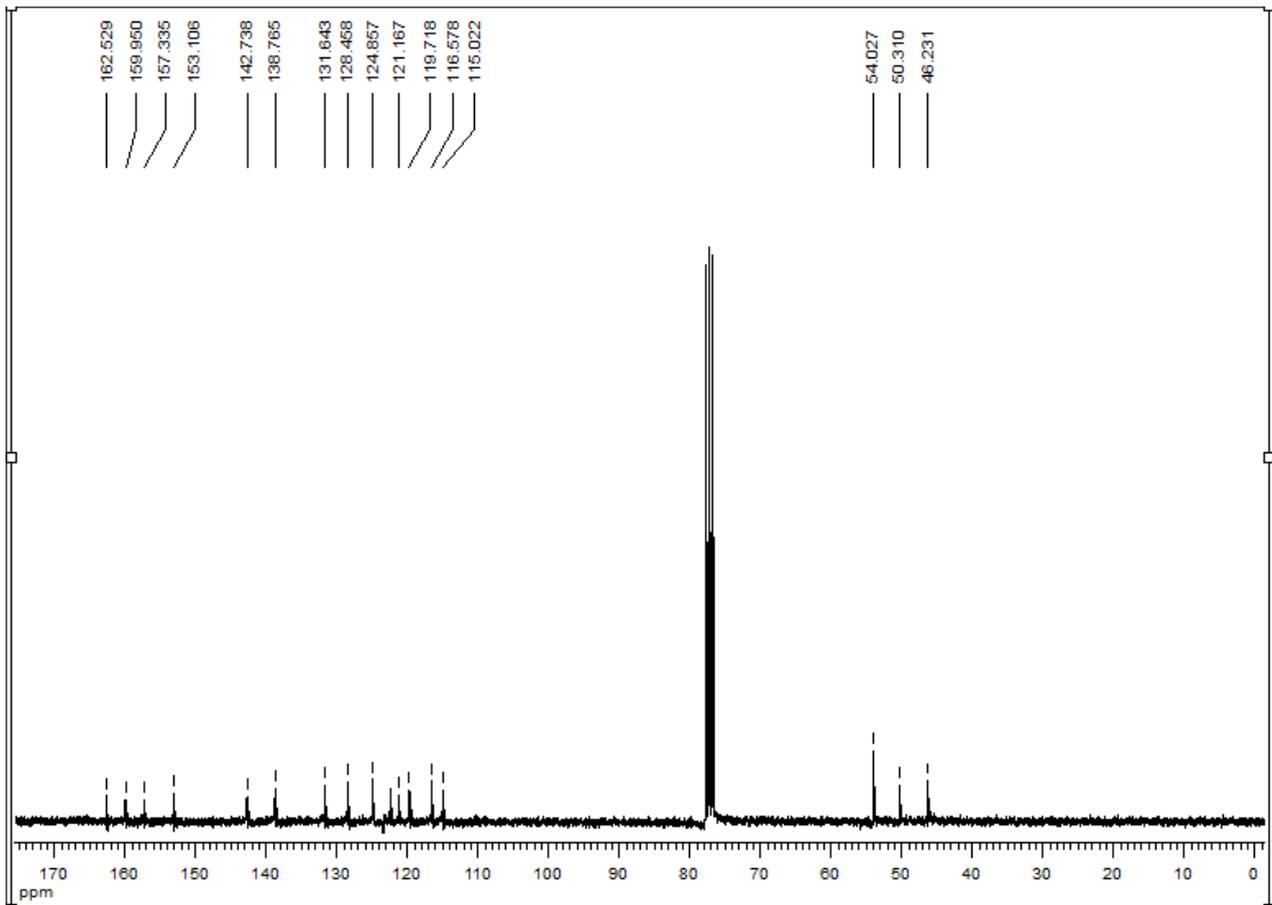
S17:  $^1\text{H}$  and  $^{13}\text{C}$  NMR and MS spectra of **6q**



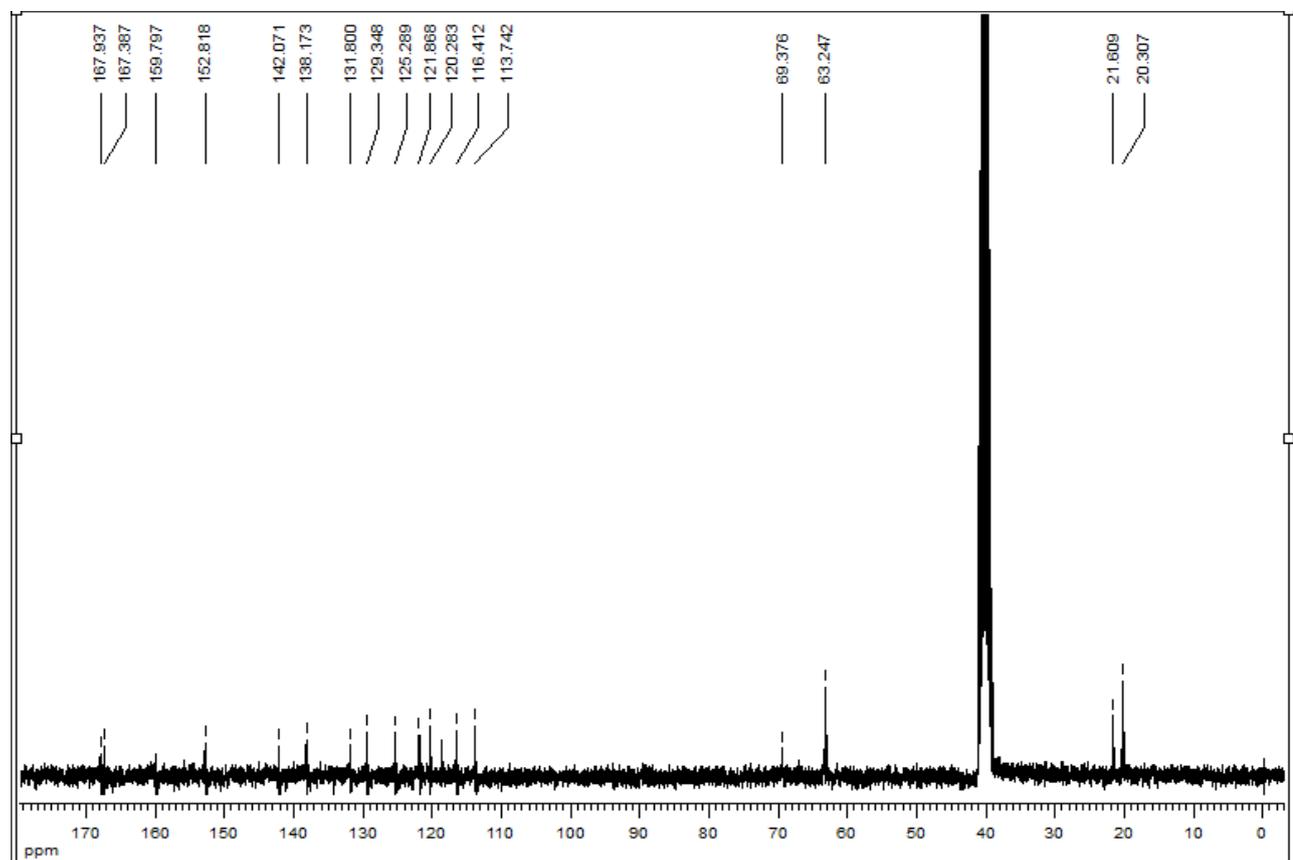
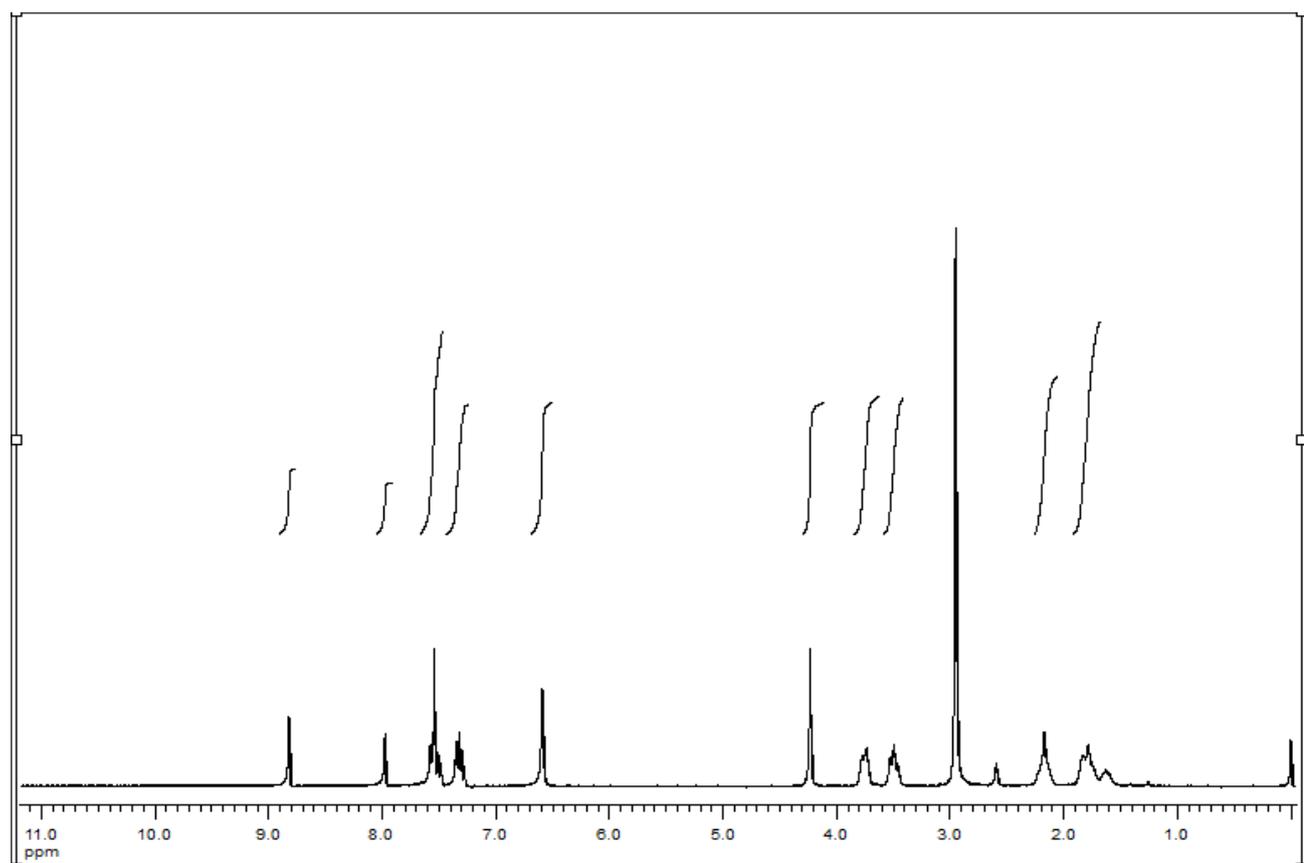


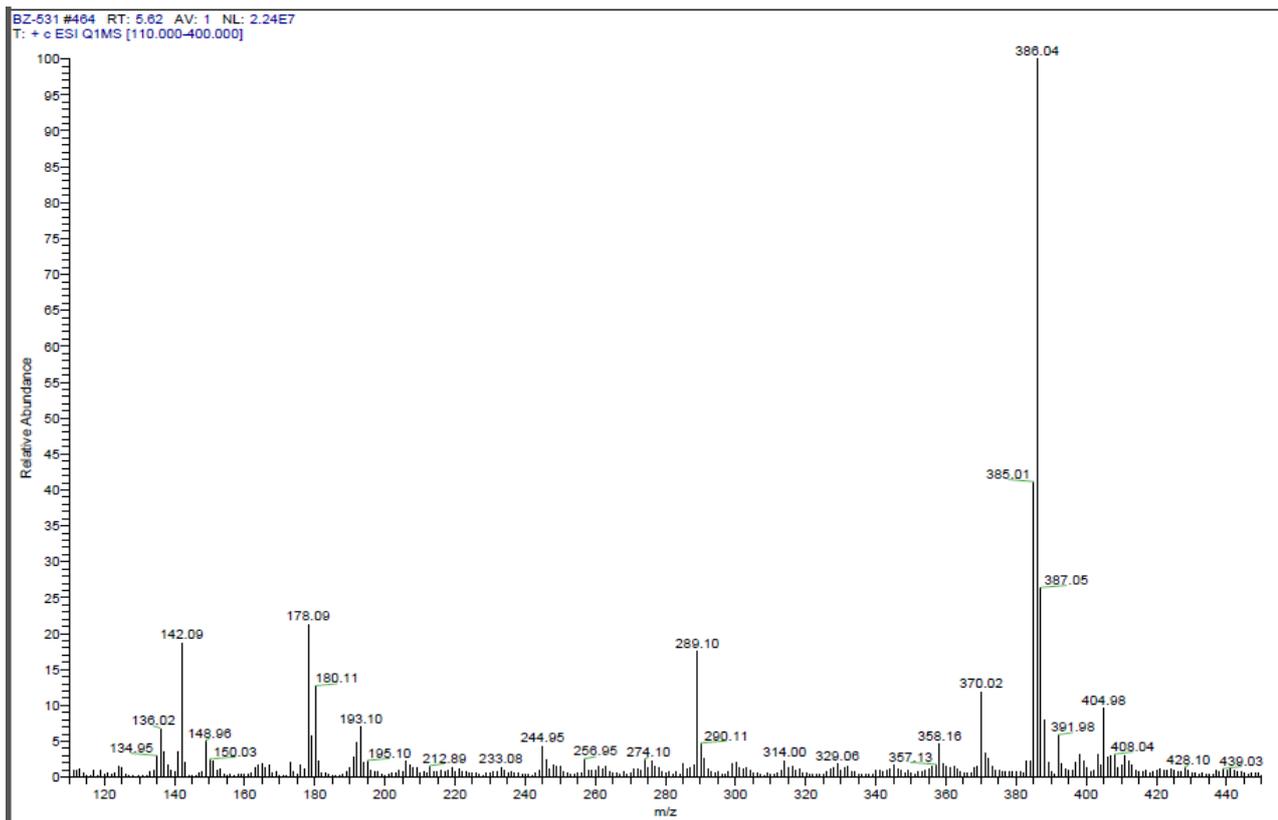
**S18:**  $^1\text{H}$  and  $^{13}\text{C}$  NMR and MS spectra of **6r**





S19:  $^1\text{H}$  and  $^{13}\text{C}$  NMR and MS spectra of **6s**





**S20:**  $^1\text{H}$  and  $^{13}\text{C}$  NMR and MS spectra of **6t**

