

## Supplementary Material

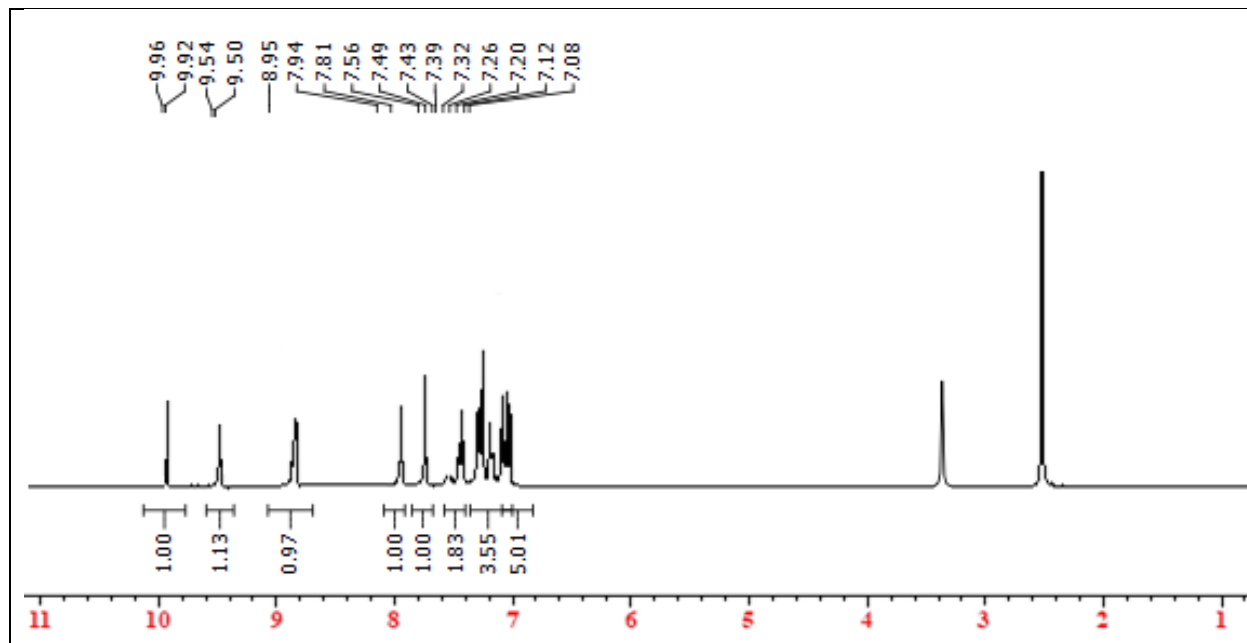
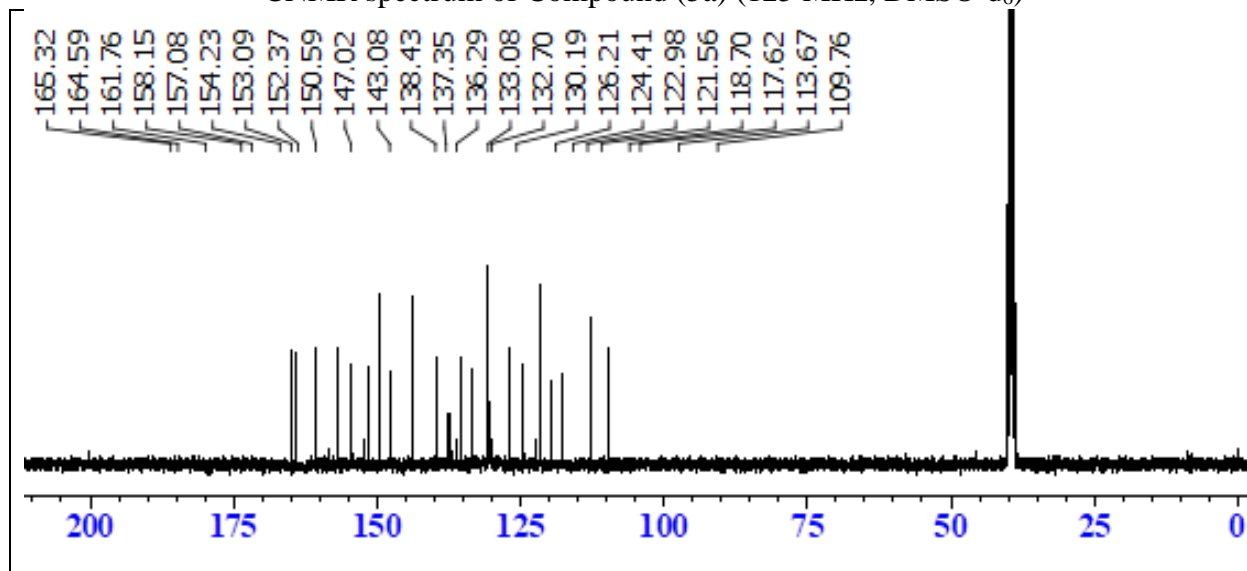
### Design, synthesis, and antimicrobial evaluation of novel imidazo[1,2-*a*] [1,8] naphthyridine based thiazole and chromenone scaffolds

Mahesh Ellanti<sup>a</sup>, A. Divya <sup>a</sup>, Kavati Shireesha<sup>a</sup> and Kumara Swamy Jella<sup>\*a</sup>

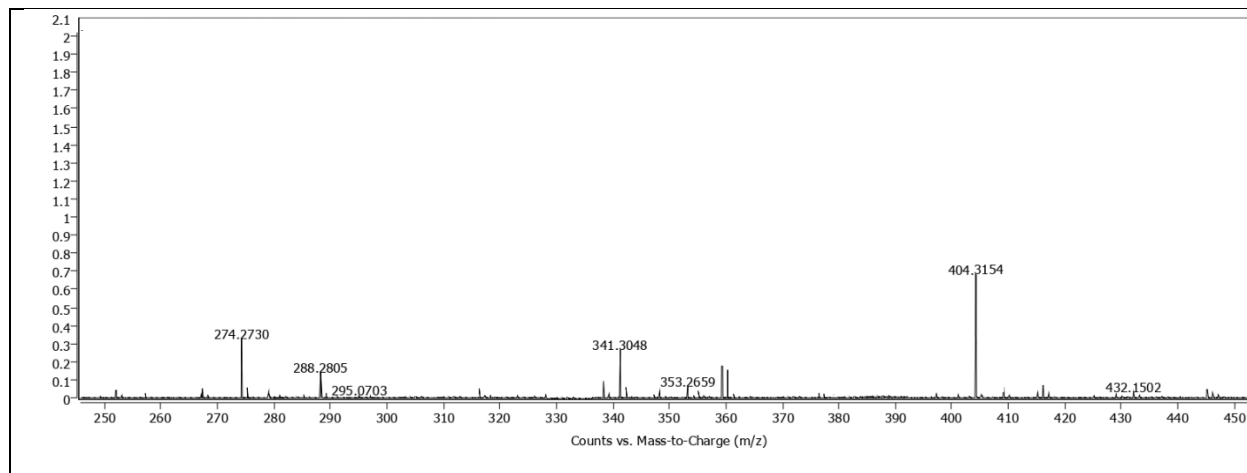
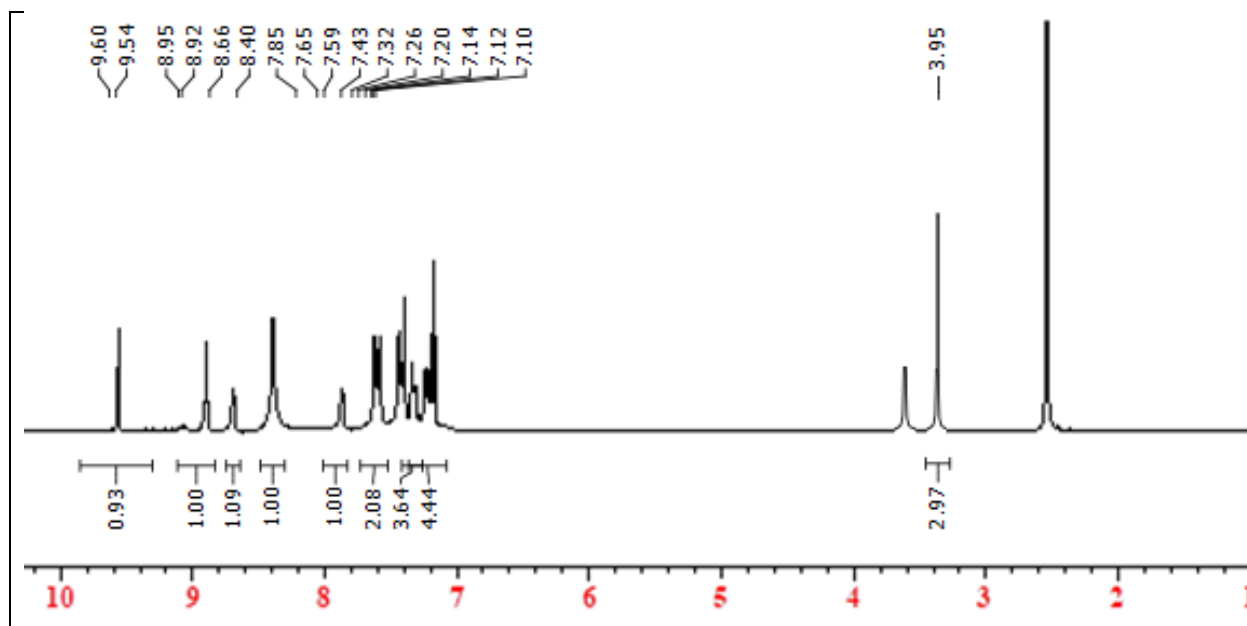
<sup>a</sup> *Heterocyclic & Medicinal Chemistry Laboratory, Department of Chemistry, Chaitanya (Deemed to be University), Hyderabad, Telangana, 500075, India*  
E-mail: [jkchem14@gmail.com](mailto:jkchem14@gmail.com)

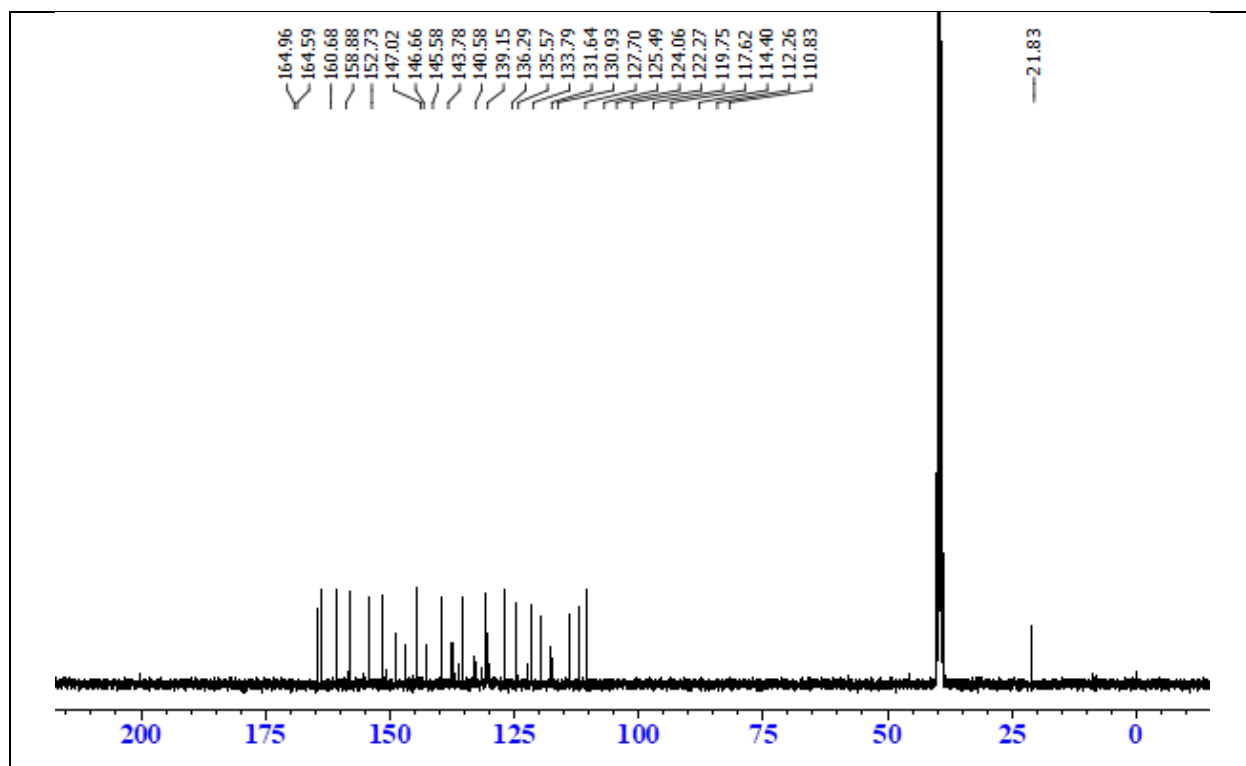
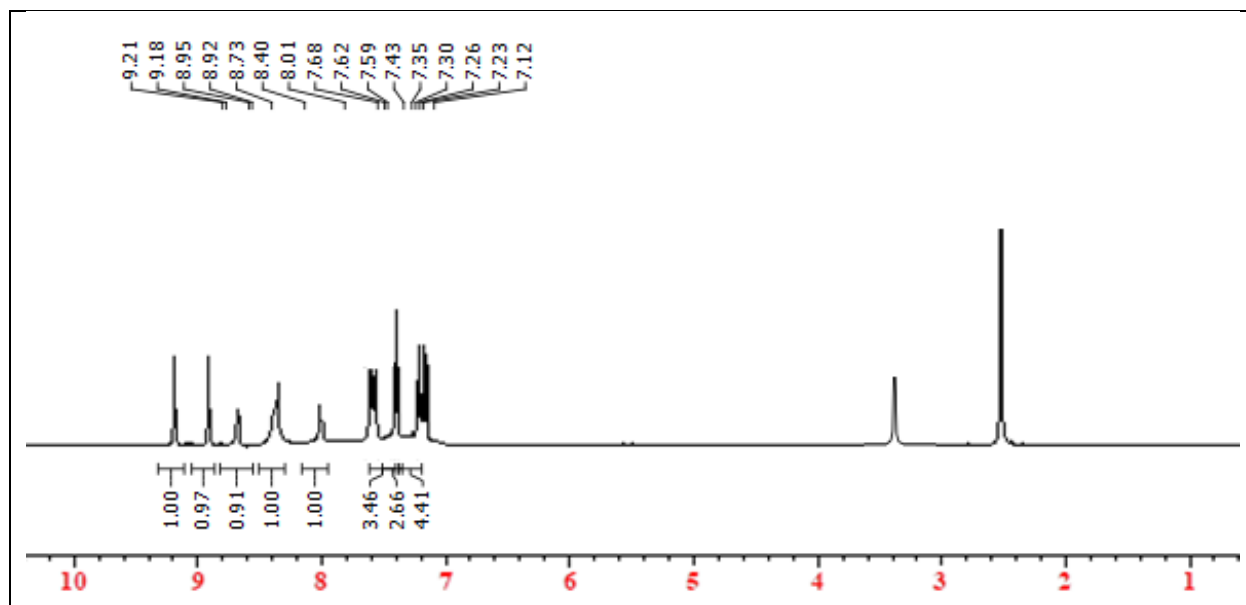
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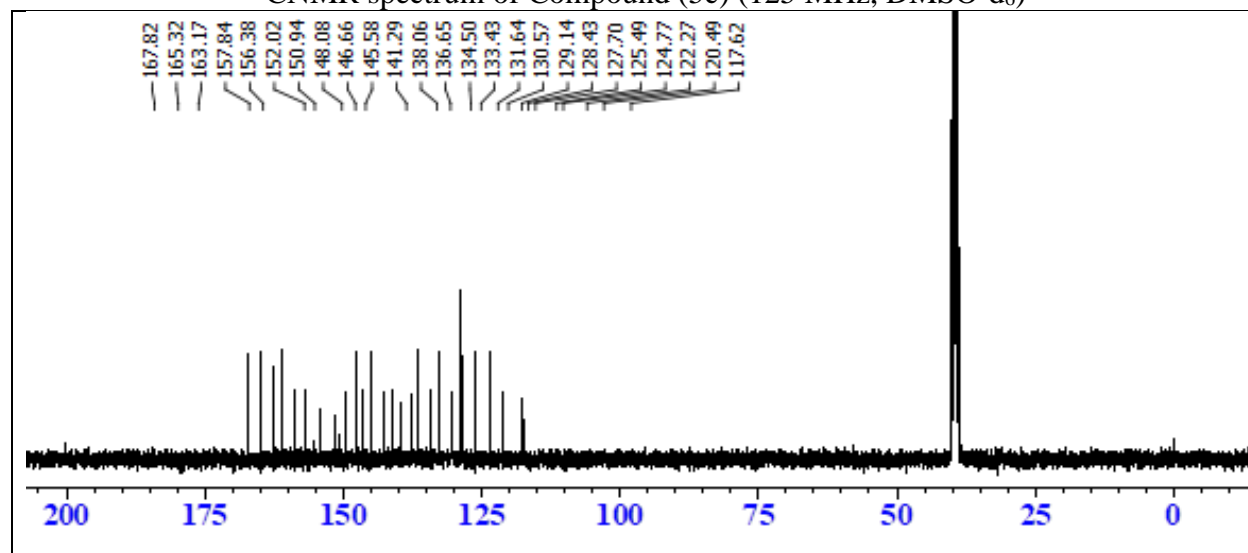
<sup>1</sup> H and <sup>13</sup> C NMR spectra of compounds <b>5</b> and <b>7</b>	S2
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$^1\text{H}$ NMR spectrum of Compound (5a) (500 MHz, DMSO- $d_6$ ) $^{13}\text{C}$ NMR spectrum of Compound (5a) (125 MHz, DMSO- $d_6$ )

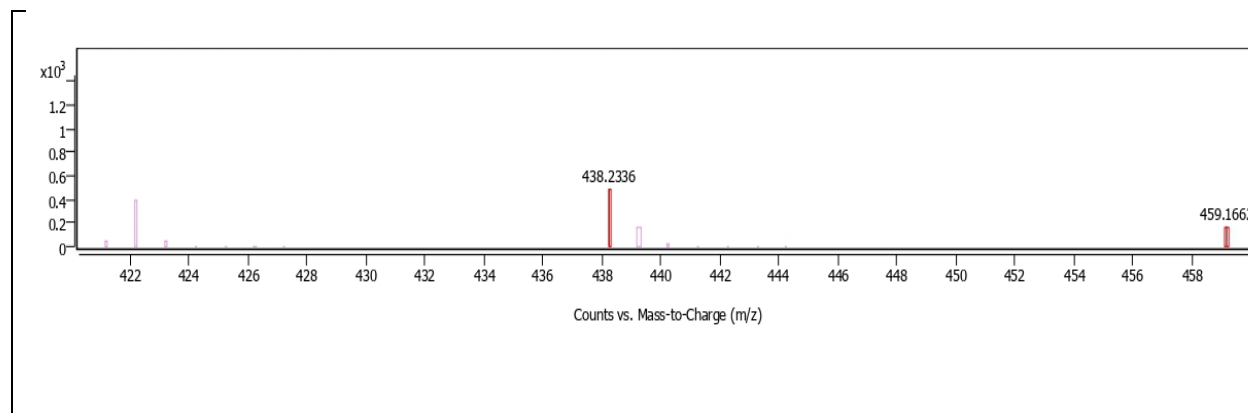
Mass spectrum of Compound (5a)

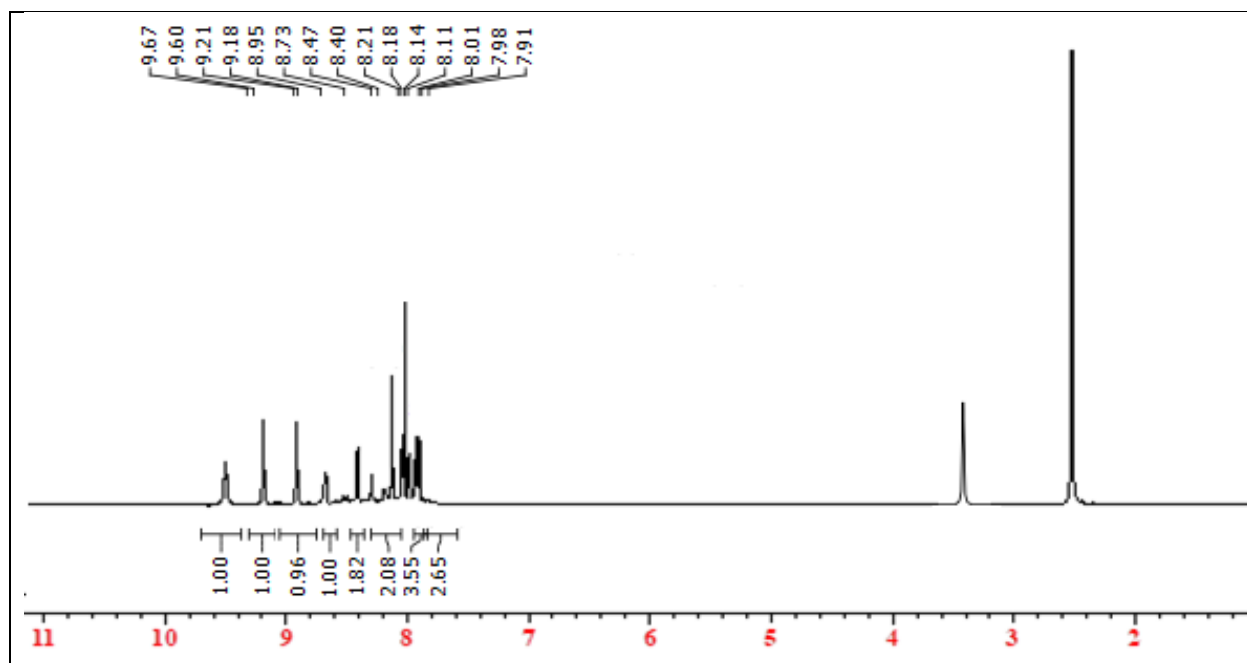
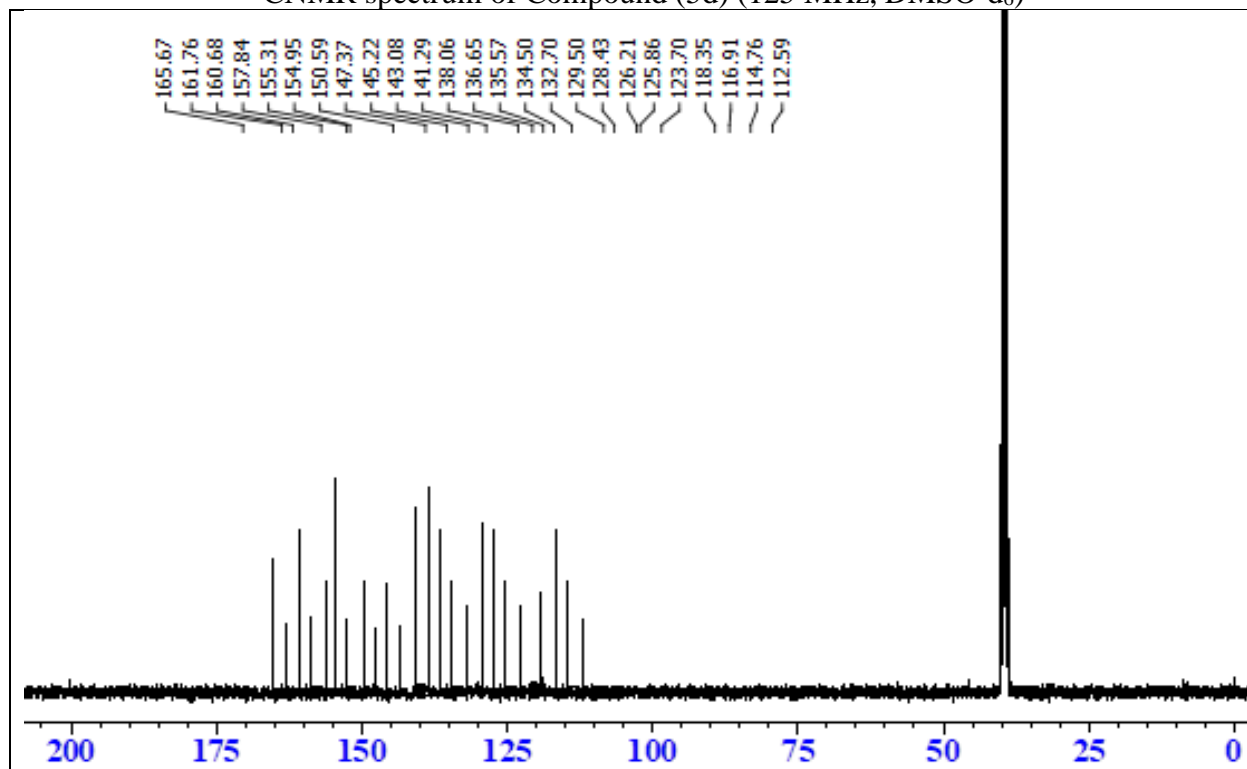
 $^1\text{H}$ NMR spectrum of Compound (5b) (500 MHz, DMSO- $d_6$ )

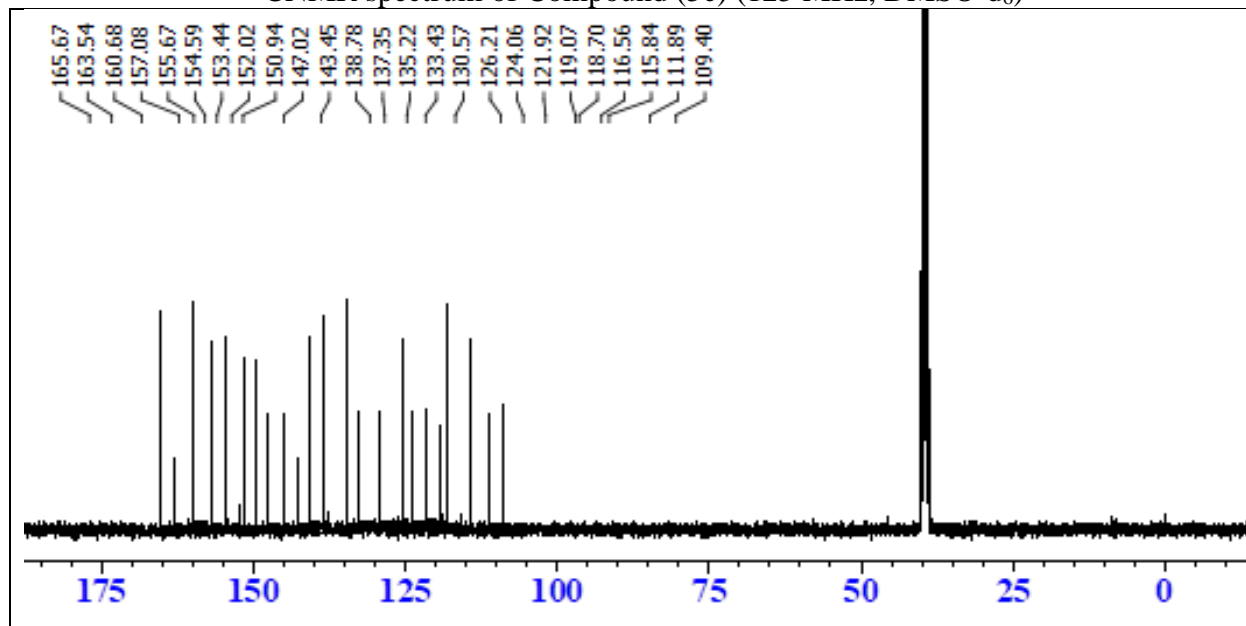
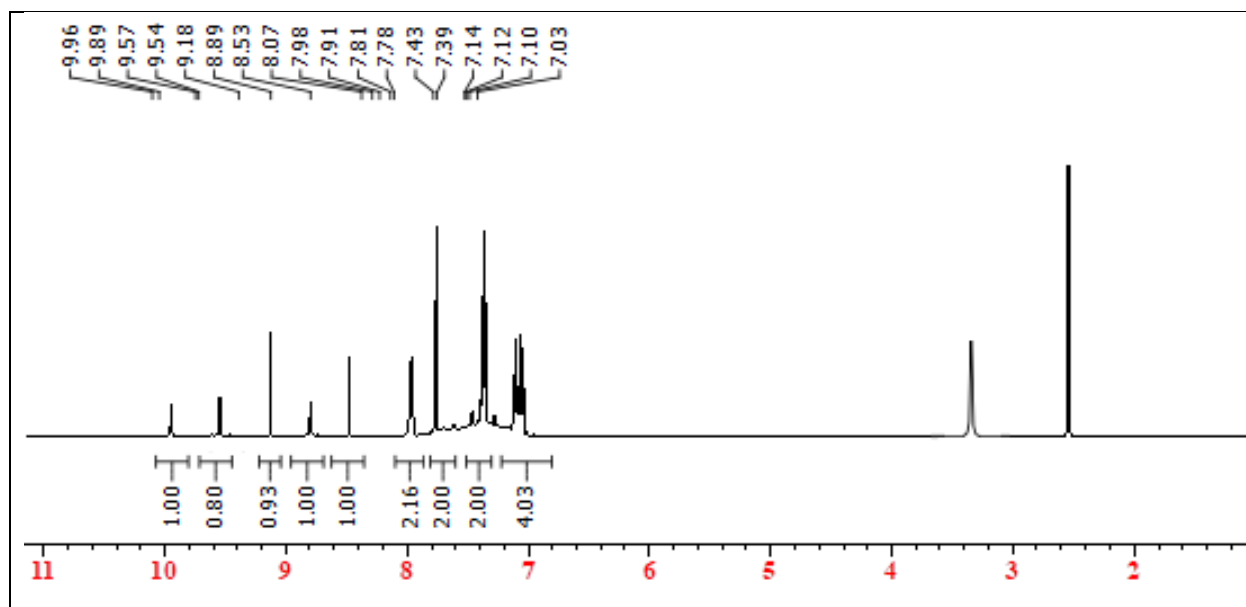
$^{13}\text{C}$ NMR spectrum of Compound (5b) (125 MHz, DMSO- $d_6$ ) $^1\text{H}$ NMR spectrum of Compound (5c) (500 MHz, DMSO- $d_6$ )

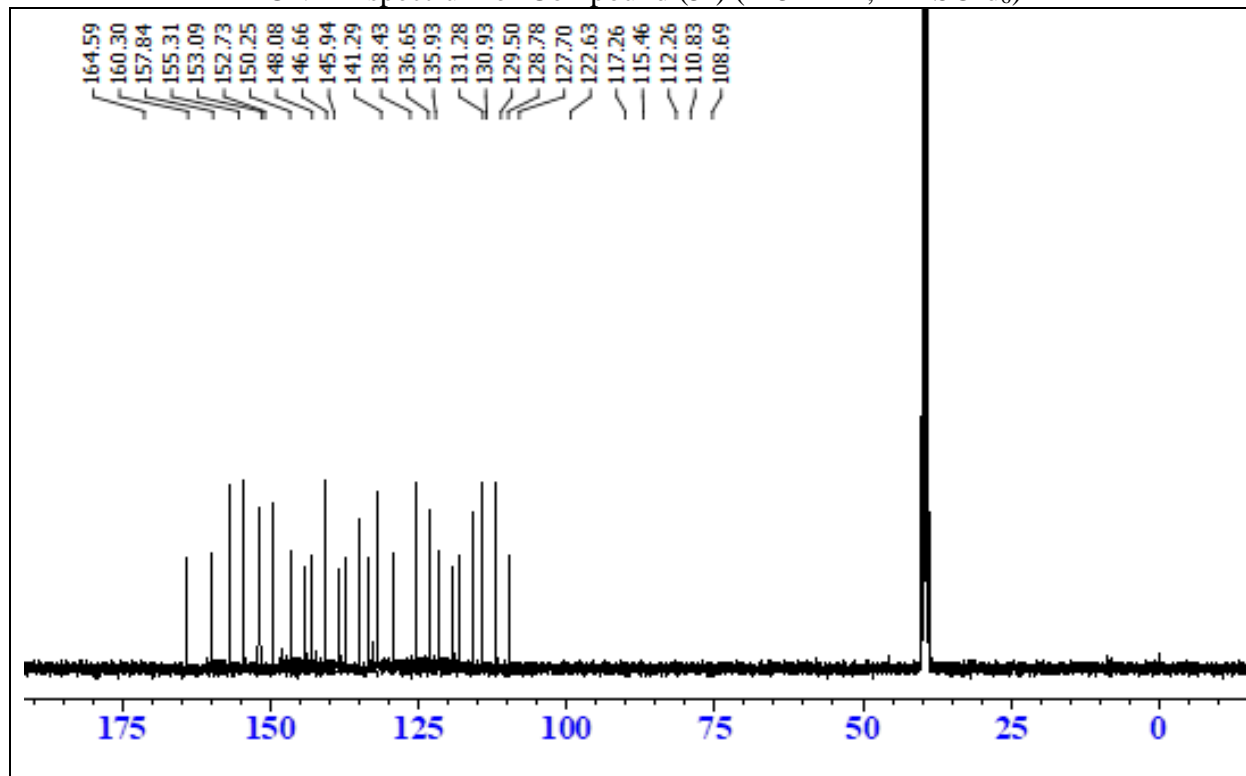
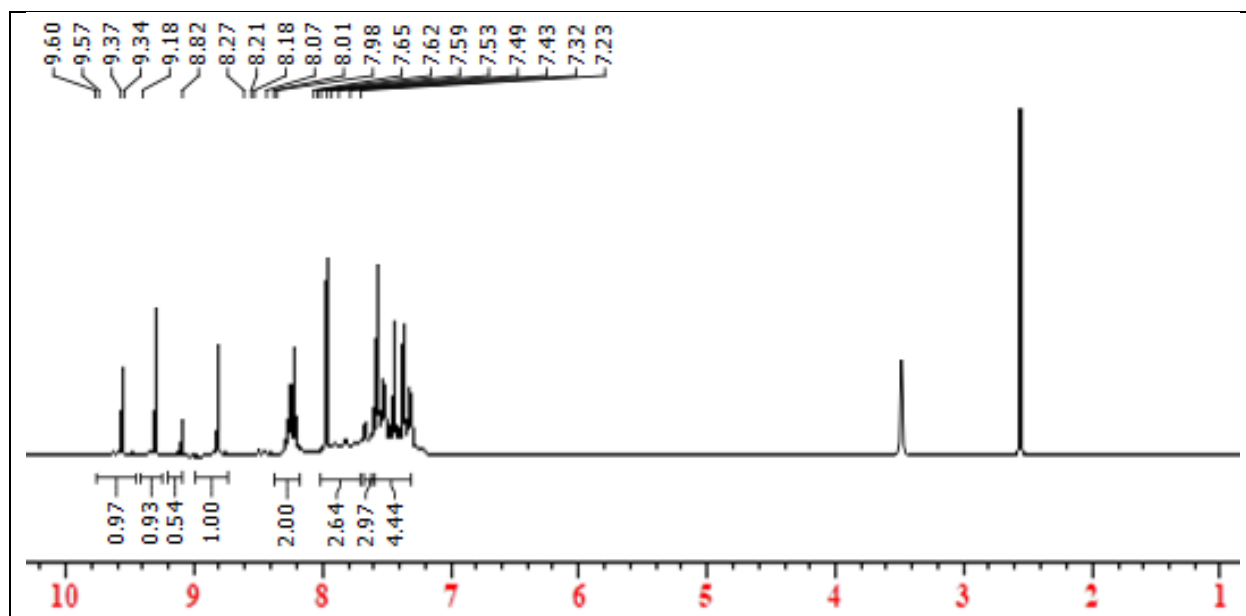
$^{13}\text{C}$ NMR spectrum of Compound (5c) (125 MHz, DMSO- $d_6$ )

Mass spectrum of Compound (5c)

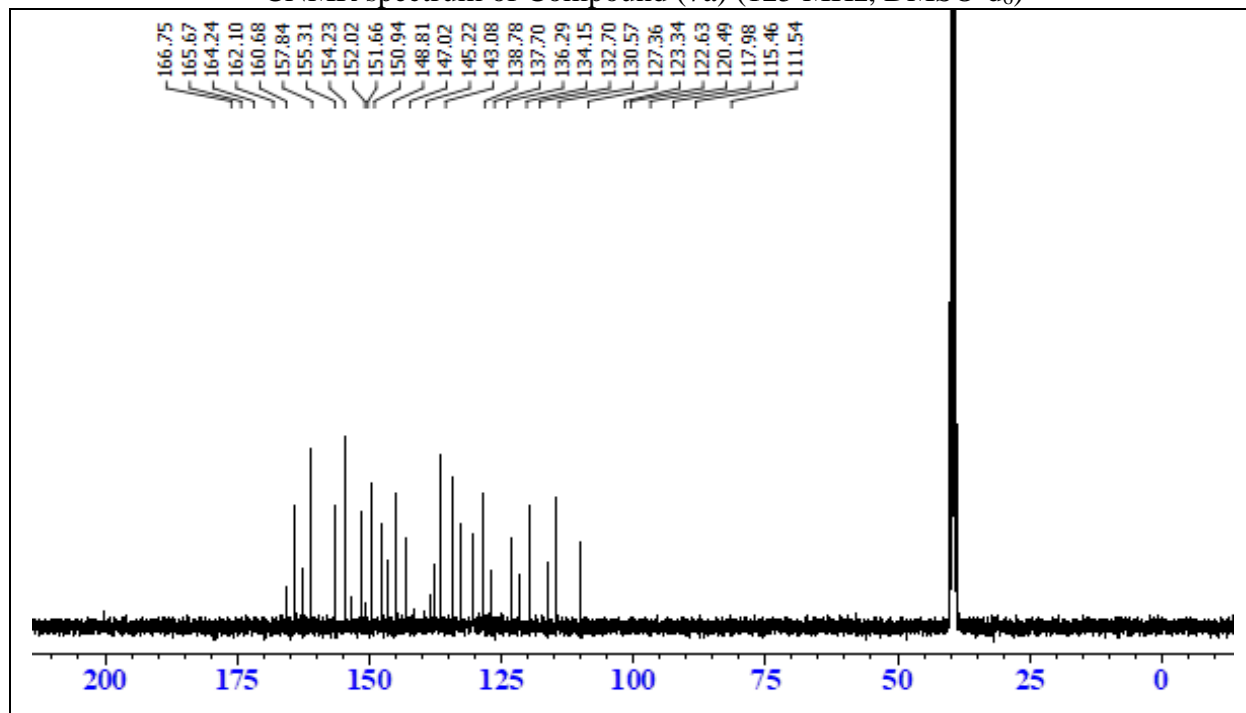
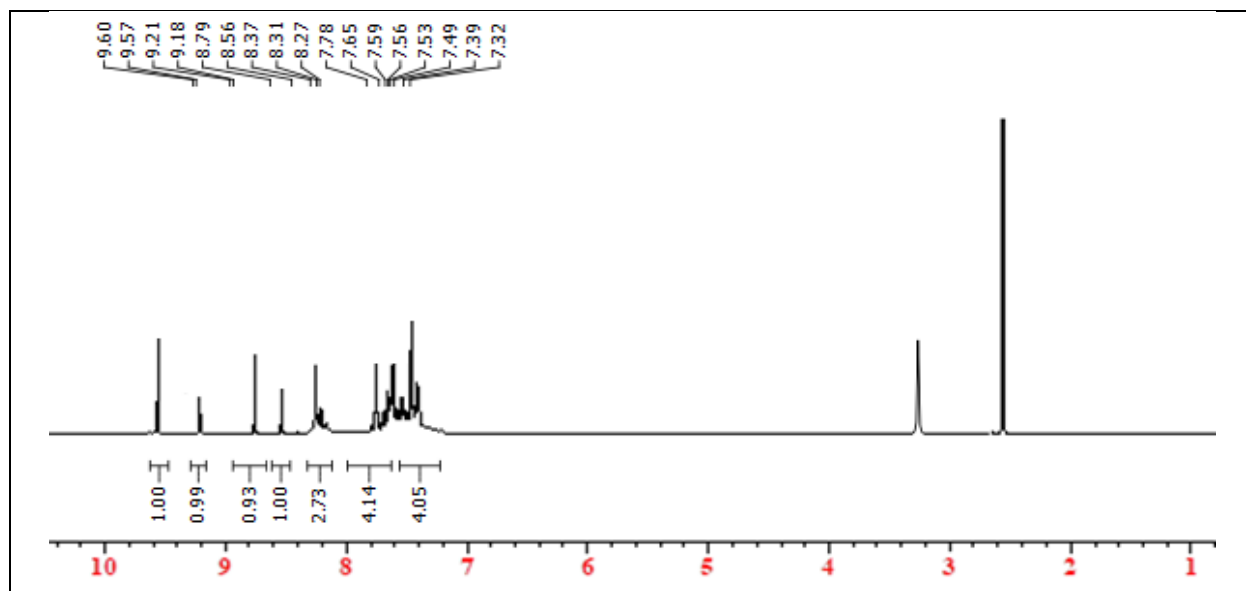


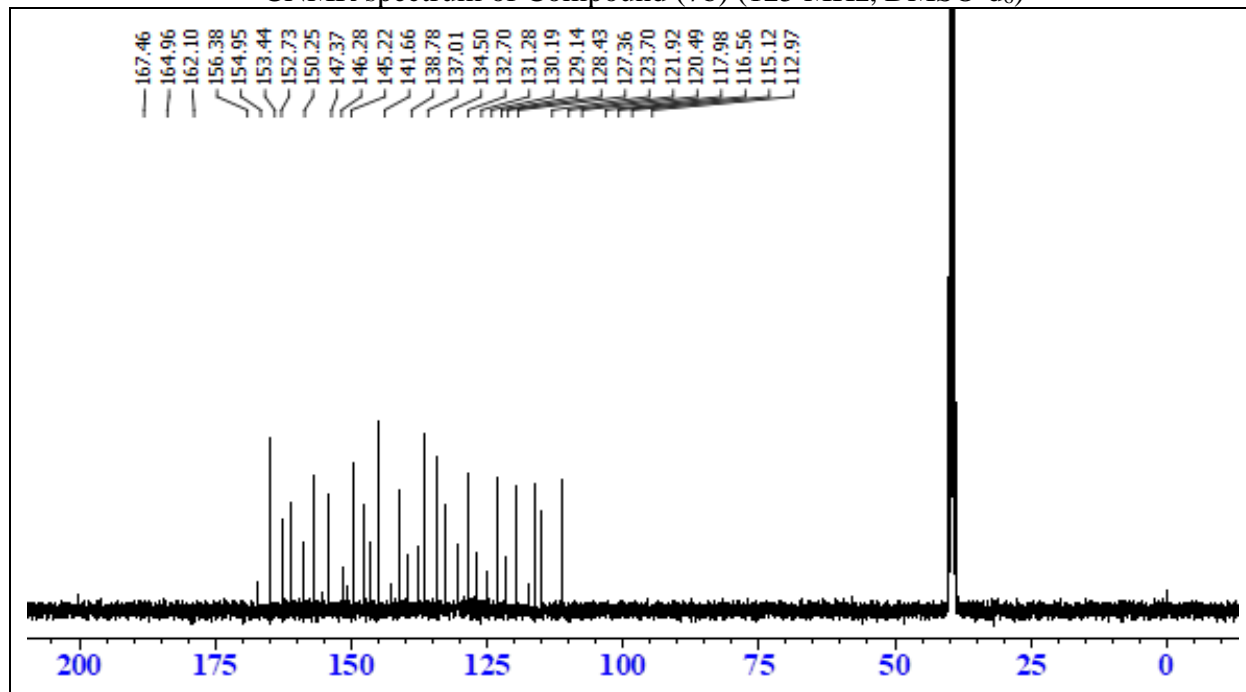
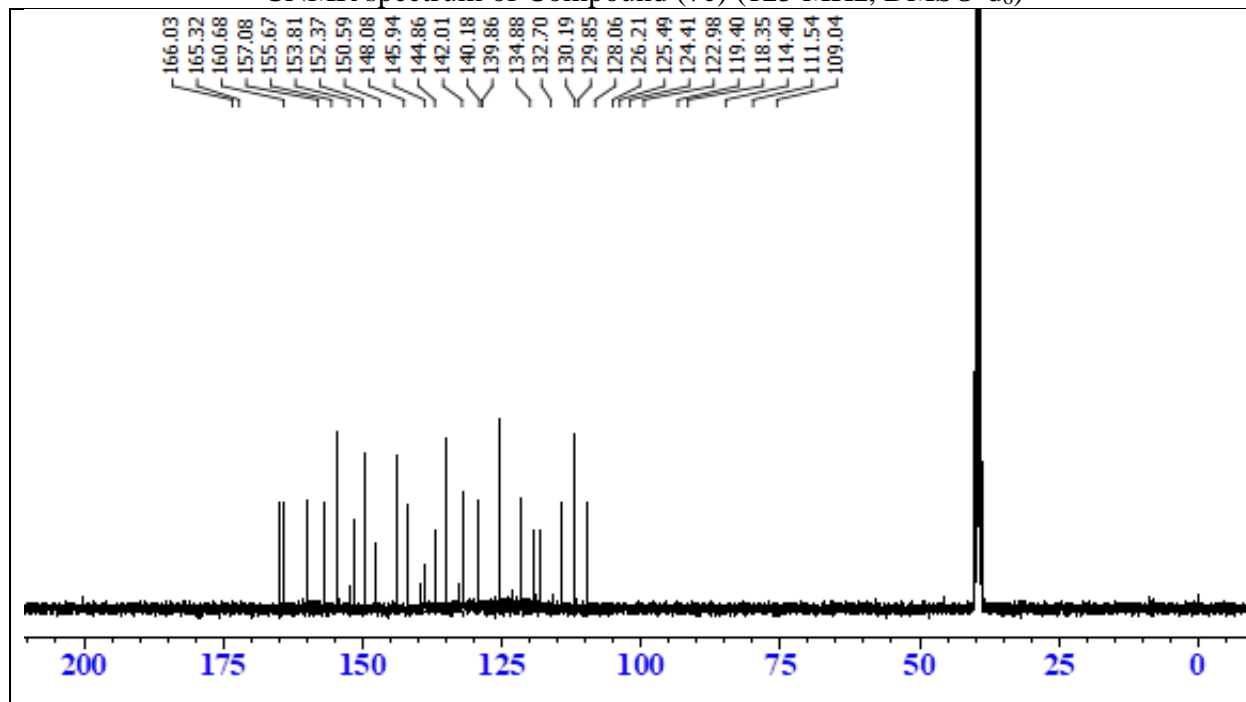
$^1\text{H}$ NMR spectrum of Compound (5d) (500 MHz, DMSO- $d_6$ ) $^{13}\text{C}$ NMR spectrum of Compound (5d) (125 MHz, DMSO- $d_6$ )

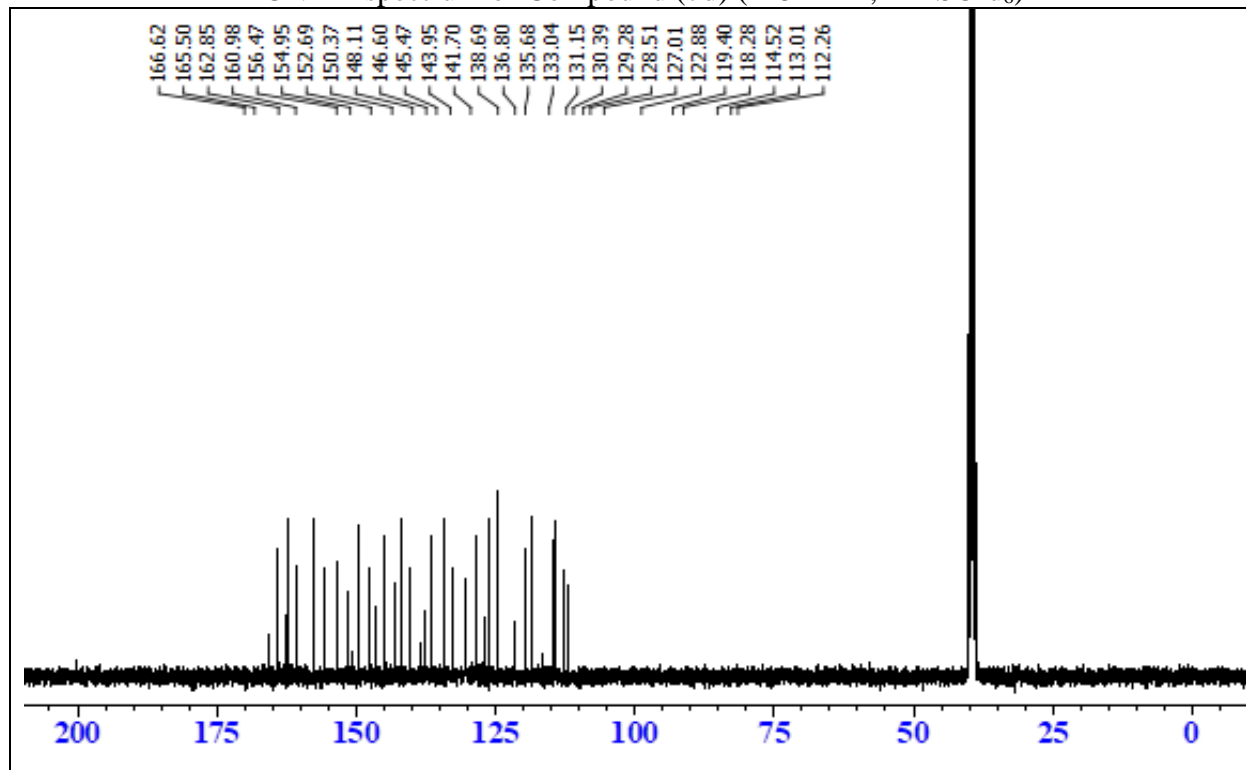
$^{13}\text{C}$ NMR spectrum of Compound (5e) (125 MHz, DMSO- $d_6$ ) $^1\text{H}$ NMR spectrum of Compound (5f) (500 MHz, DMSO- $d_6$ )

$^{13}\text{C}$ NMR spectrum of Compound (5f) (125 MHz, DMSO- $d_6$ ) $^1\text{H}$ NMR spectrum of Compound (7a) (500 MHz, DMSO- $d_6$ )



$^{13}\text{C}$ NMR spectrum of Compound (7a) (125 MHz, DMSO- $d_6$ ) $^1\text{H}$ NMR spectrum of Compound (7b) (500 MHz, DMSO- $d_6$ )

$^{13}\text{C}$ NMR spectrum of Compound (7b) (125 MHz, DMSO- $d_6$ ) $^{13}\text{C}$ NMR spectrum of Compound (7c) (125 MHz, DMSO- $d_6$ )

$^{13}\text{C}$ NMR spectrum of Compound (7d) (125 MHz, DMSO- $d_6$ )

Mass spectrum of Compound (7d)

