

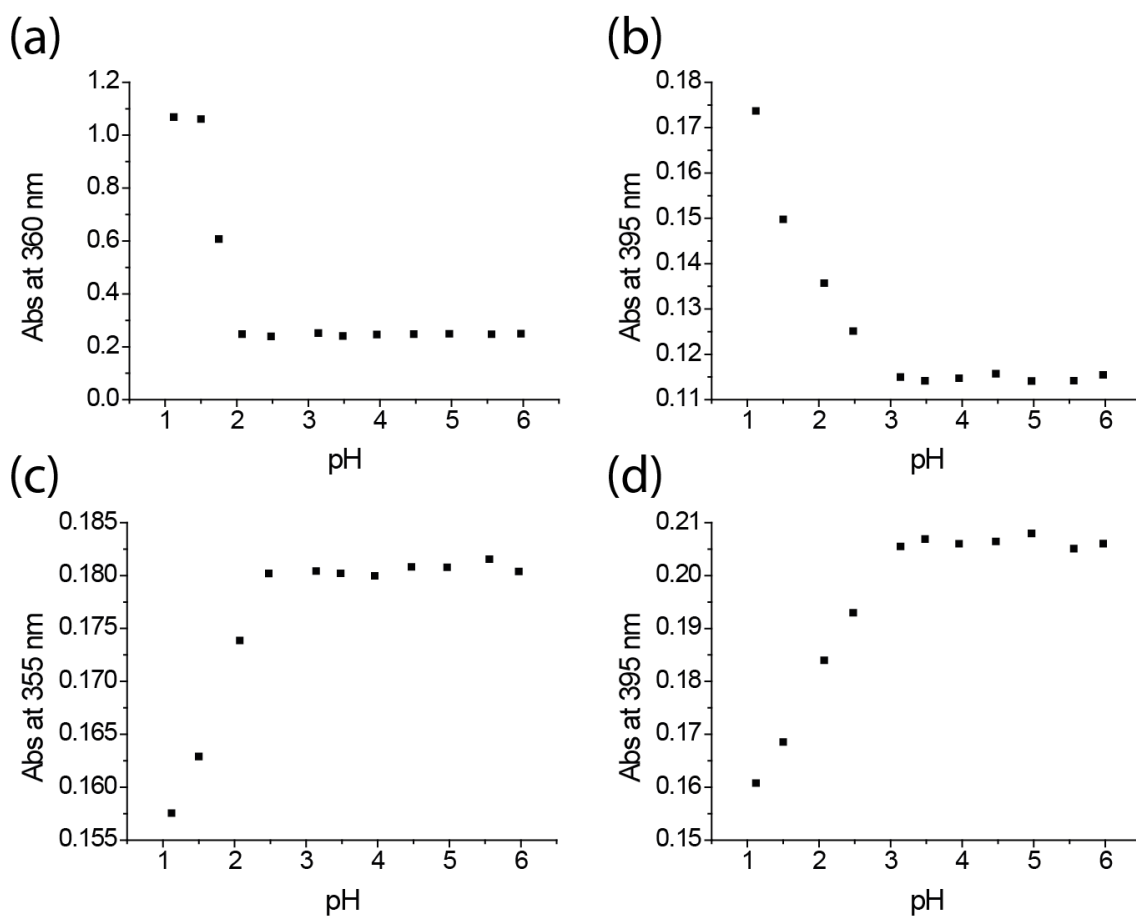
Two-Photon Induced Emissive Thiophene Donor-Acceptor Systems as Molecular Probes in Vitro Bio-imaging: Synthesis, Crystal Structure and Spectroscopic Properties.

Supporting information

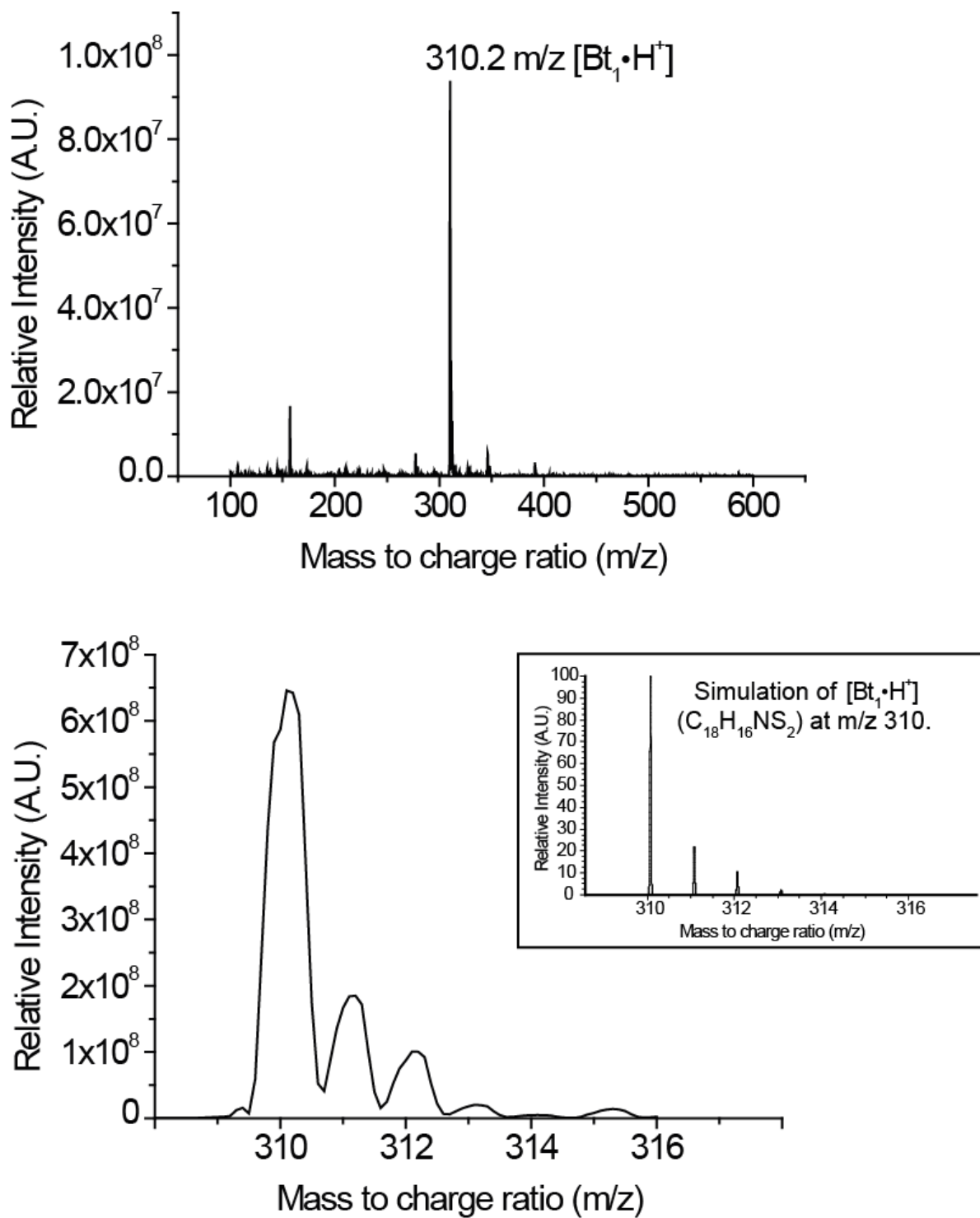
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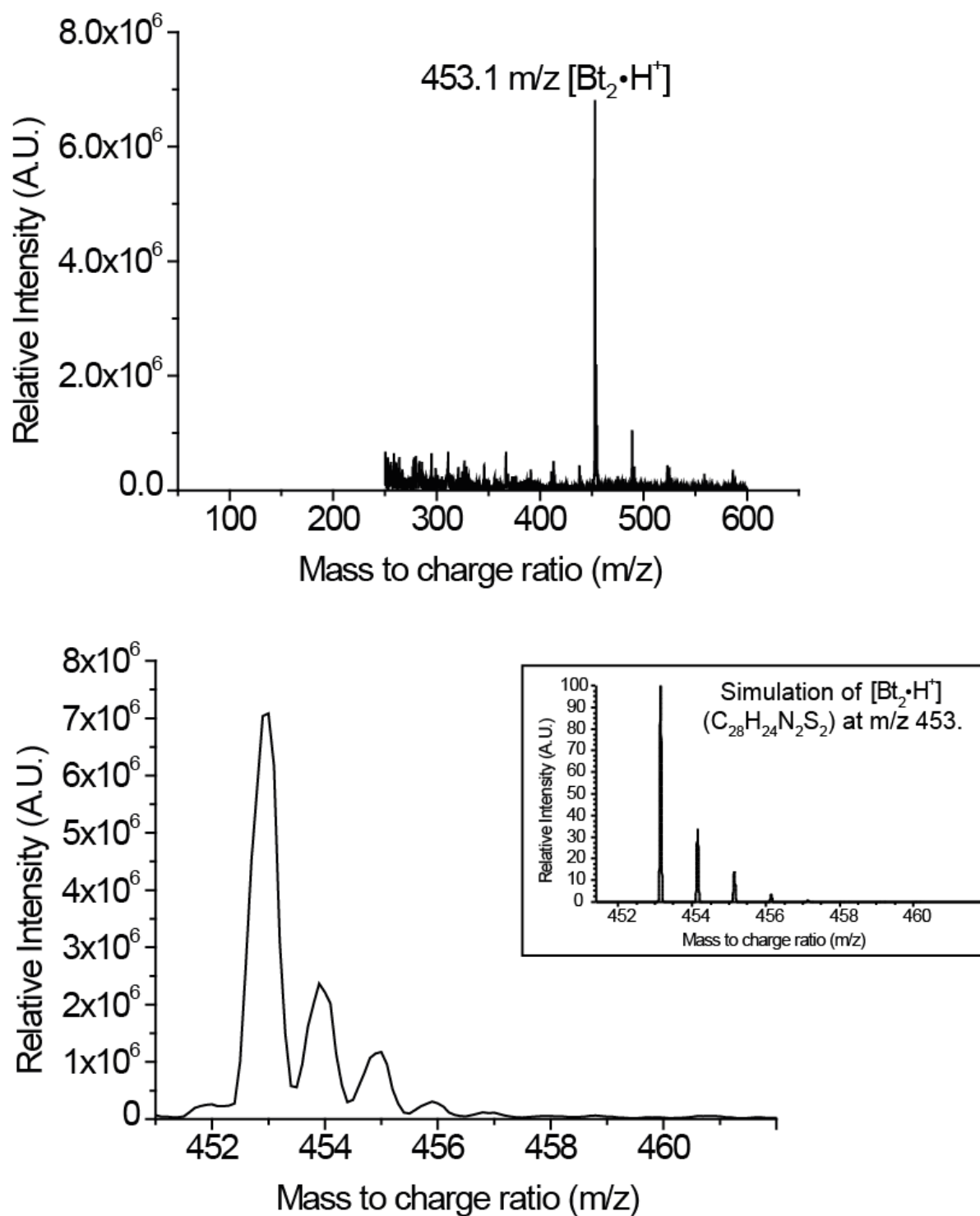
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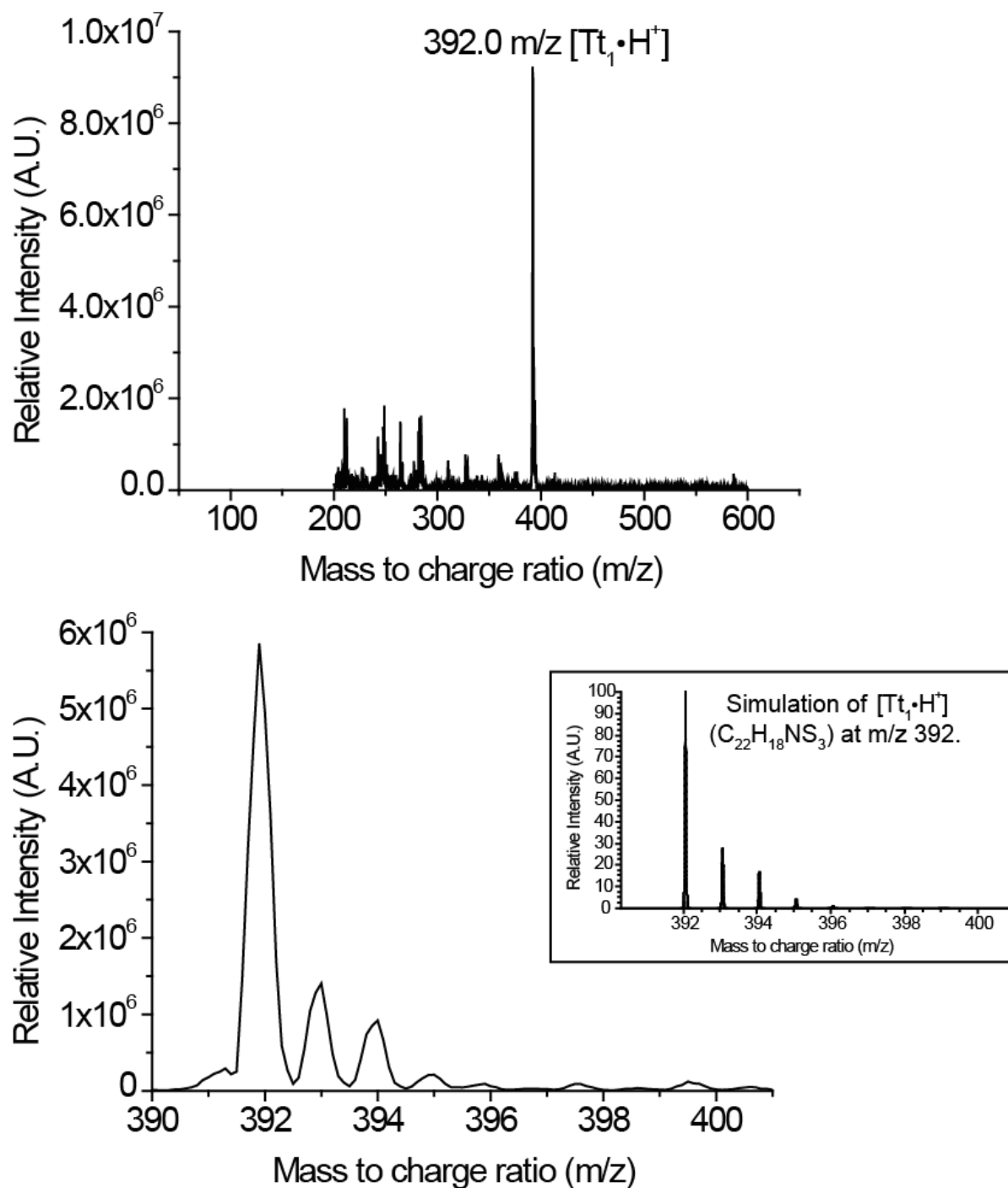
S. Fig 1. The absorbance taken at (a) 360 nm of **Bt**₁ (6.0×10^{-5} M), (b) 395 nm of **Bt**₂ (3.0×10^{-5} M), (c) 355 nm of **Tt**₁ (3.0×10^{-5} M), and (d) 395 nm of **Tt**₂ (3.0×10^{-5} M) was plotted against the pH of the solution (v/v Buffer:DMSO 2:1).



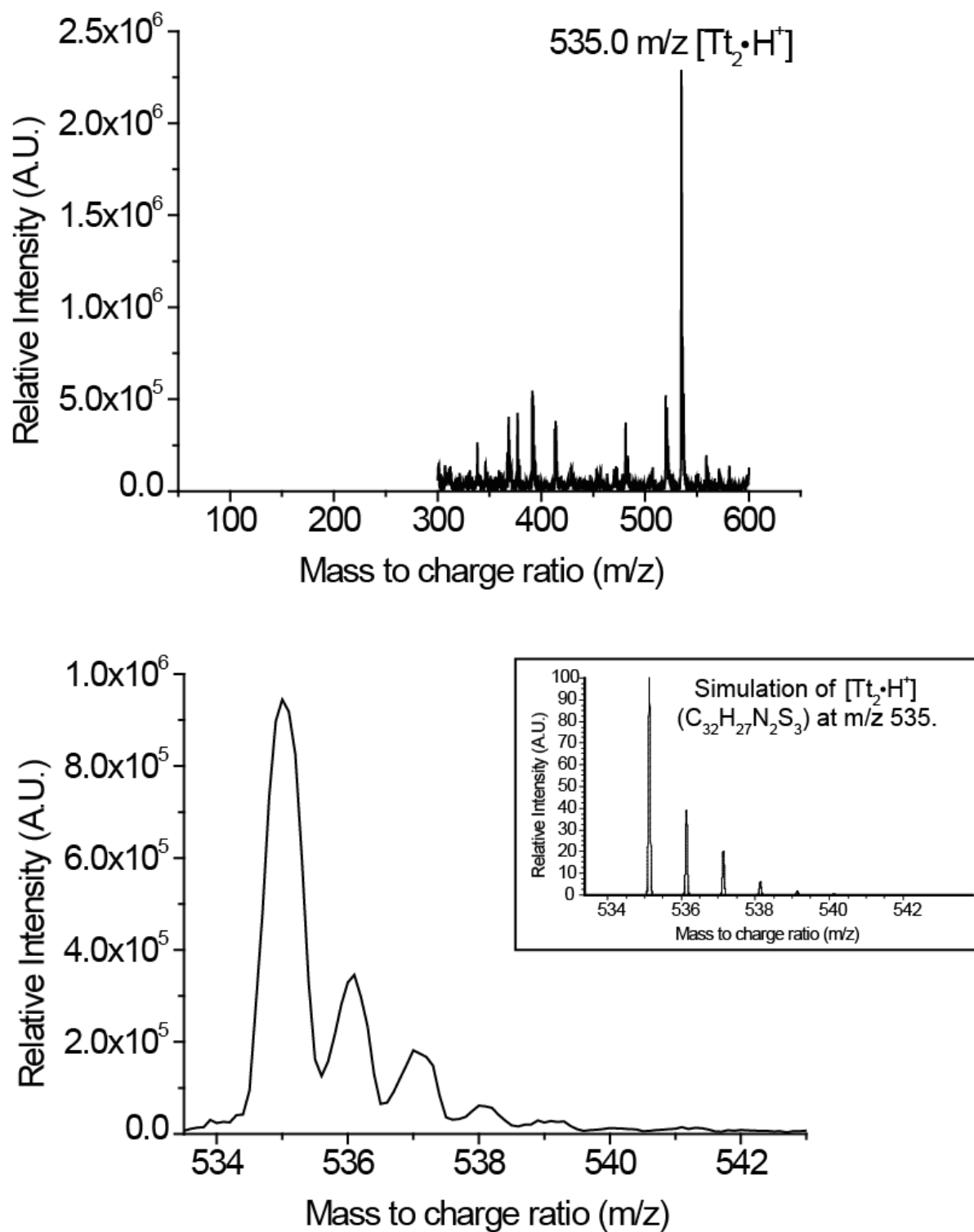
S. Fig 2. (upper) Electrospray mass spectra of Bt_1 . **(lower)** Isotopic distribution and **(inset)** its simulation of $[\text{Bt}_1 \cdot \text{H}^+]$ peak at 310. All the mass spectra were performed in acetonitrile with 0.1% acetic acid.



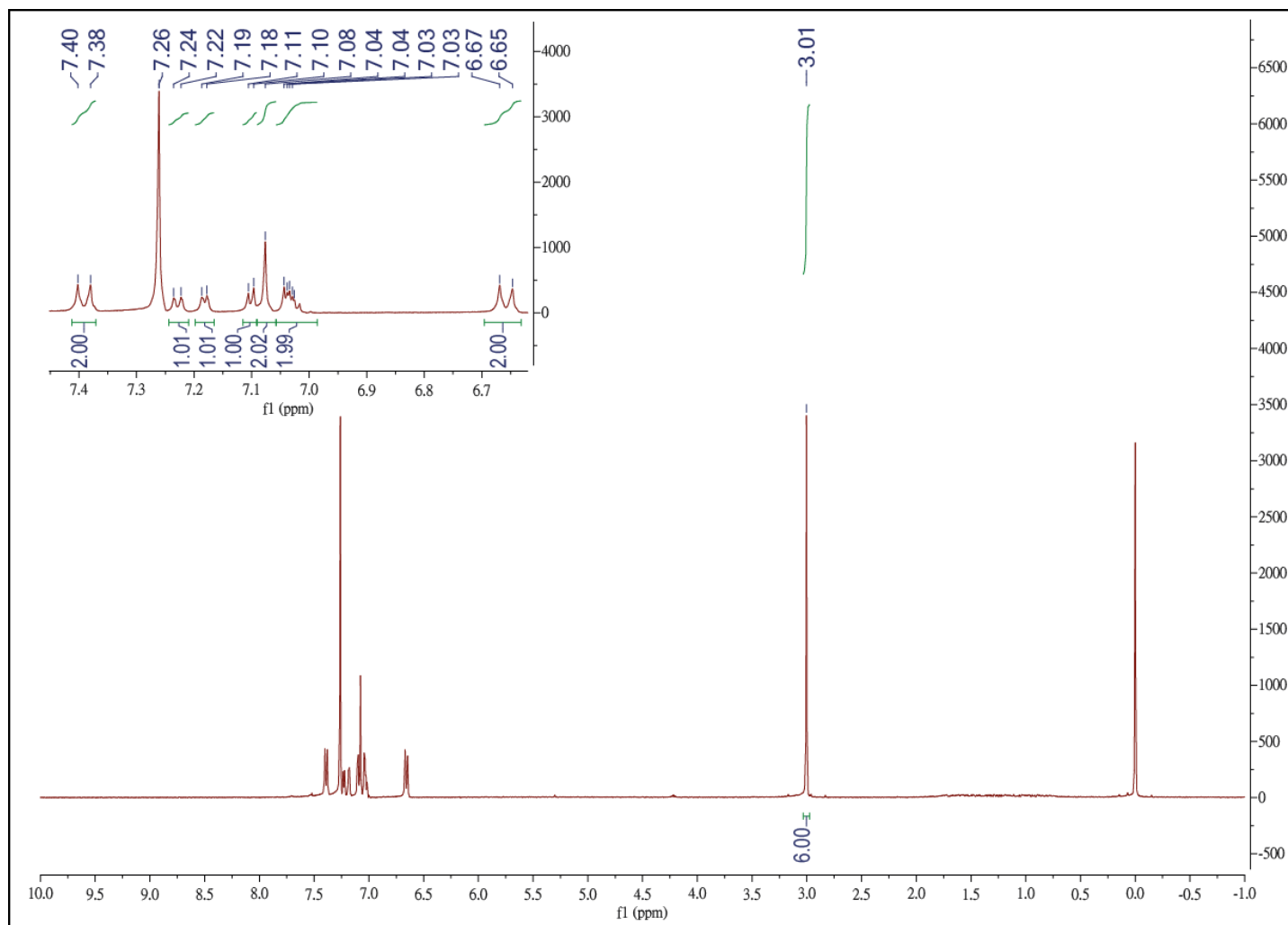
S. Fig 3. (upper) Electrospray mass spectra of Bt_2 . **(lower)** Isotopic distribution and **(inset)** its simulation of $[Bt_2 \cdot H^+]$ peak at 453. All the mass spectra were performed in acetonitrile with 0.1% acetic acid.



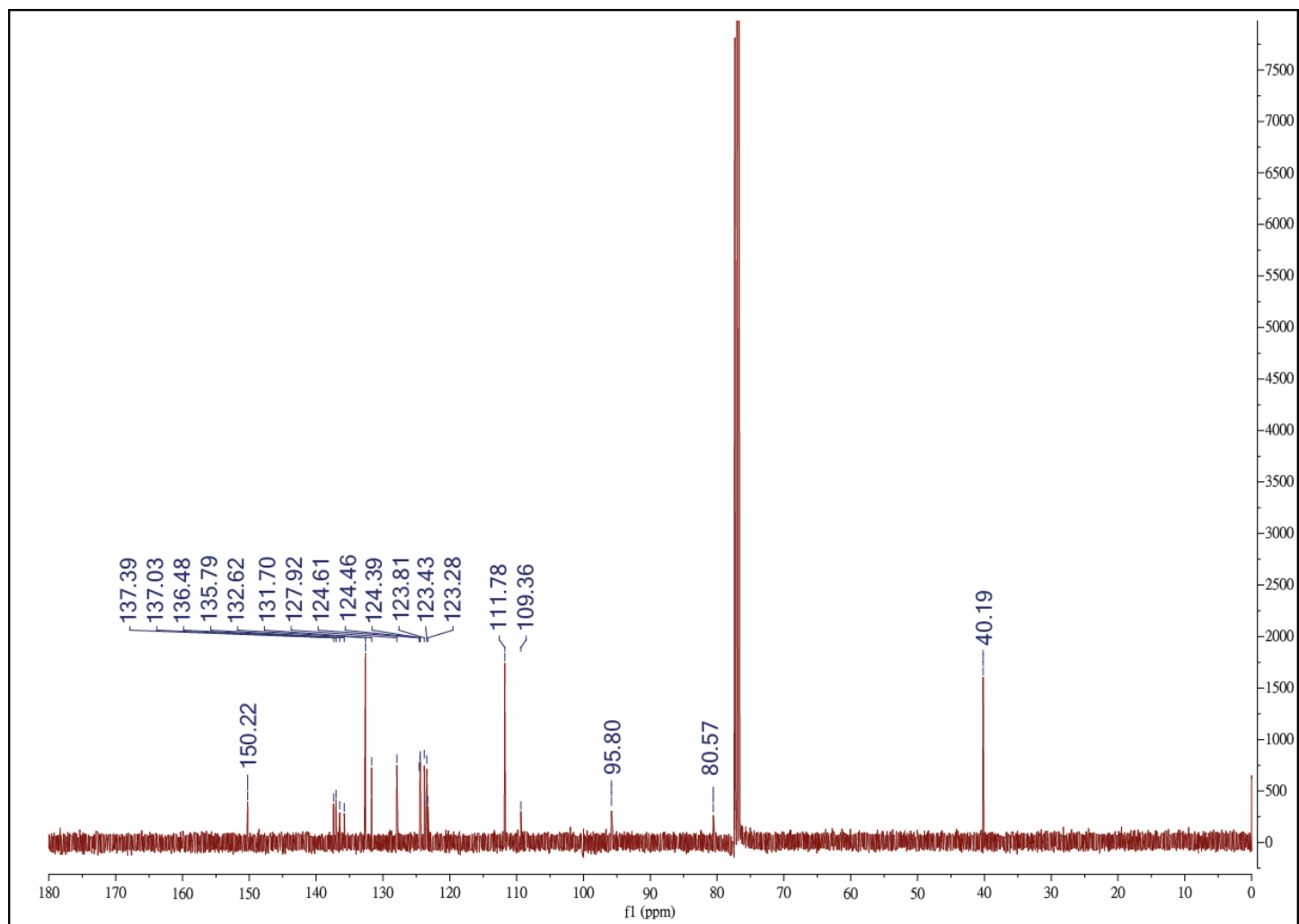
S. Fig 4. (upper) Electrospray mass spectra of Tt_1 . **(lower)** Isotopic distribution and **(inset)** its simulation of $[\text{Tt}_1 \cdot \text{H}^+]$ peak at 392. All the mass spectra were performed in acetonitrile with 0.1% acetic acid.



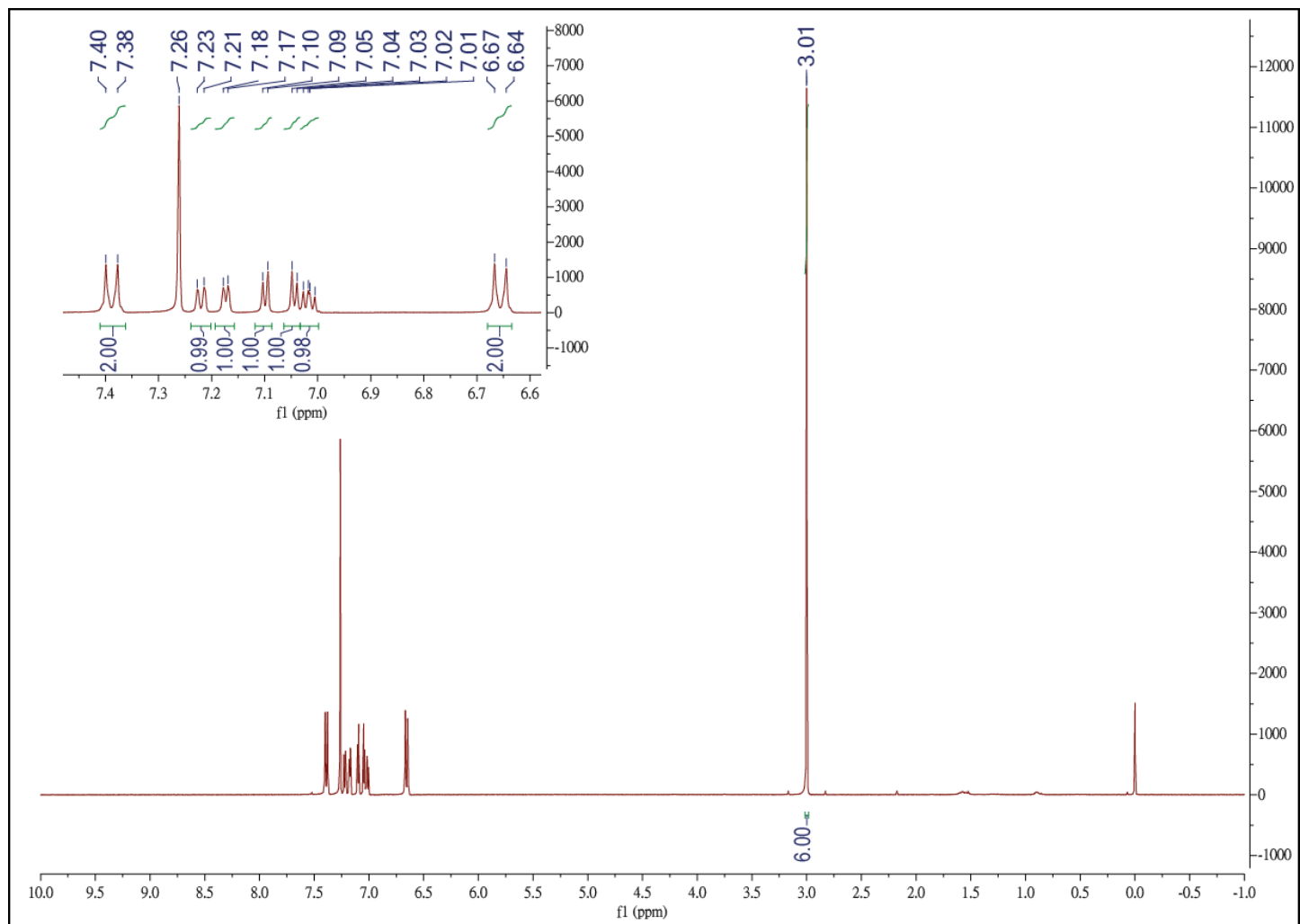
S. Fig 5. (upper) Electrospray mass spectra of Tt_2 . **(lower)** Isotopic distribution and **(inset)** its simulation of $[Tt_2 \cdot H^+]$ peak at 535. All the mass spectra were performed in acetonitrile with 0.1% acetic acid.



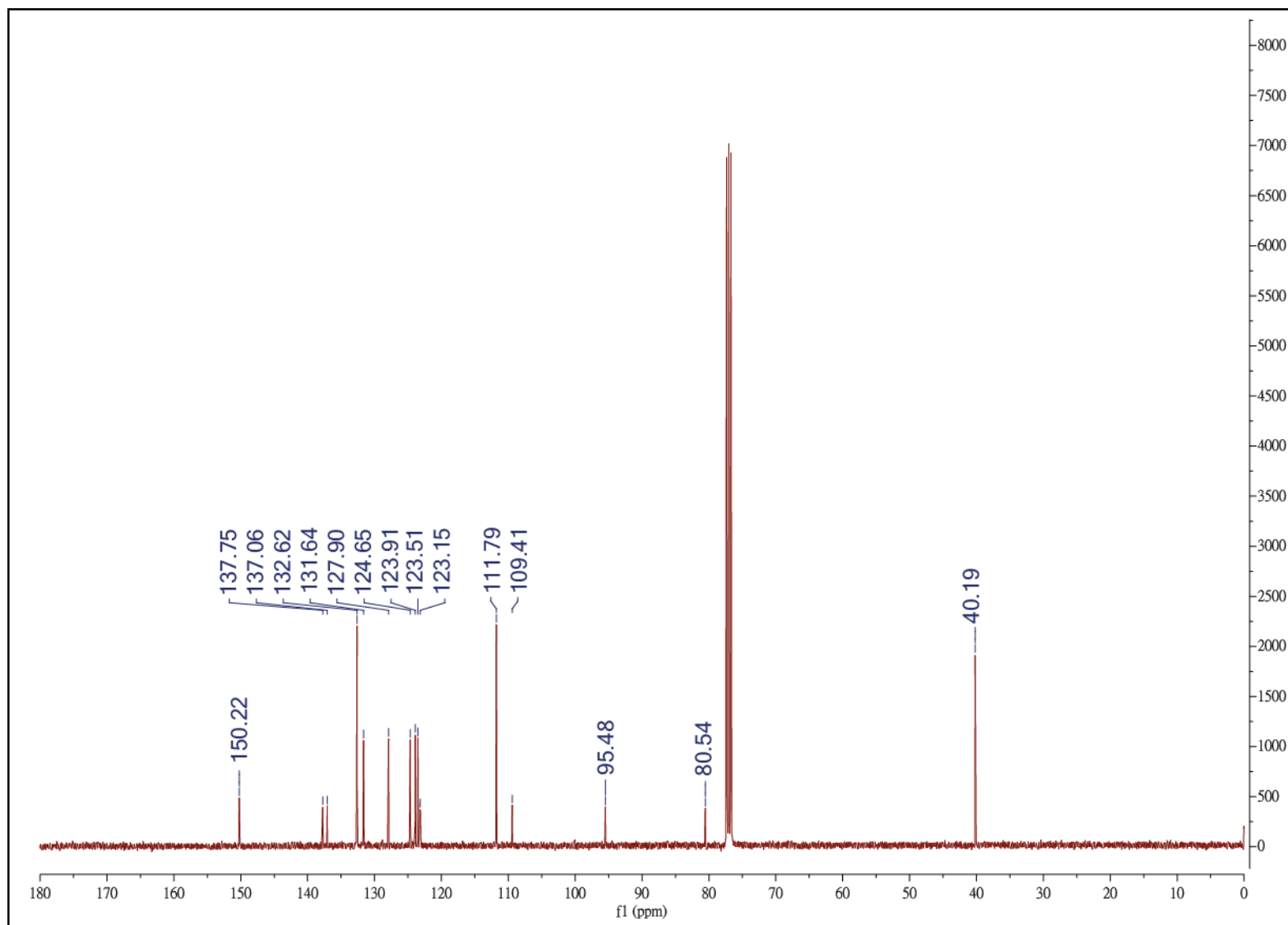
S. Fig. 6. $^1\text{H-NMR}$ spectrum of Tt_1 (400 MHz, CDCl_3).



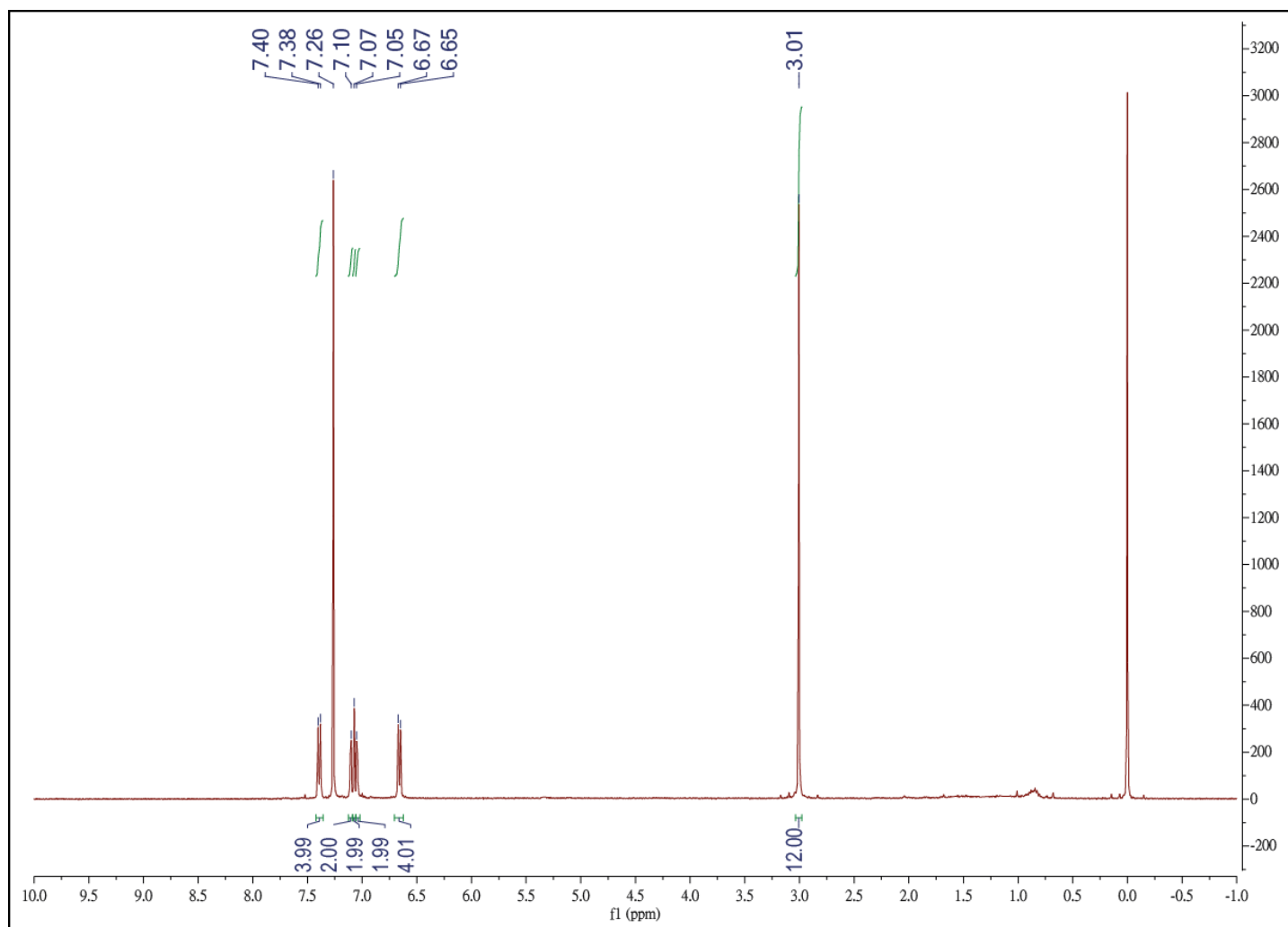
S. Fig. 7. ^{13}C -NMR spectrum of Tt_1 (400 MHz, CDCl_3).



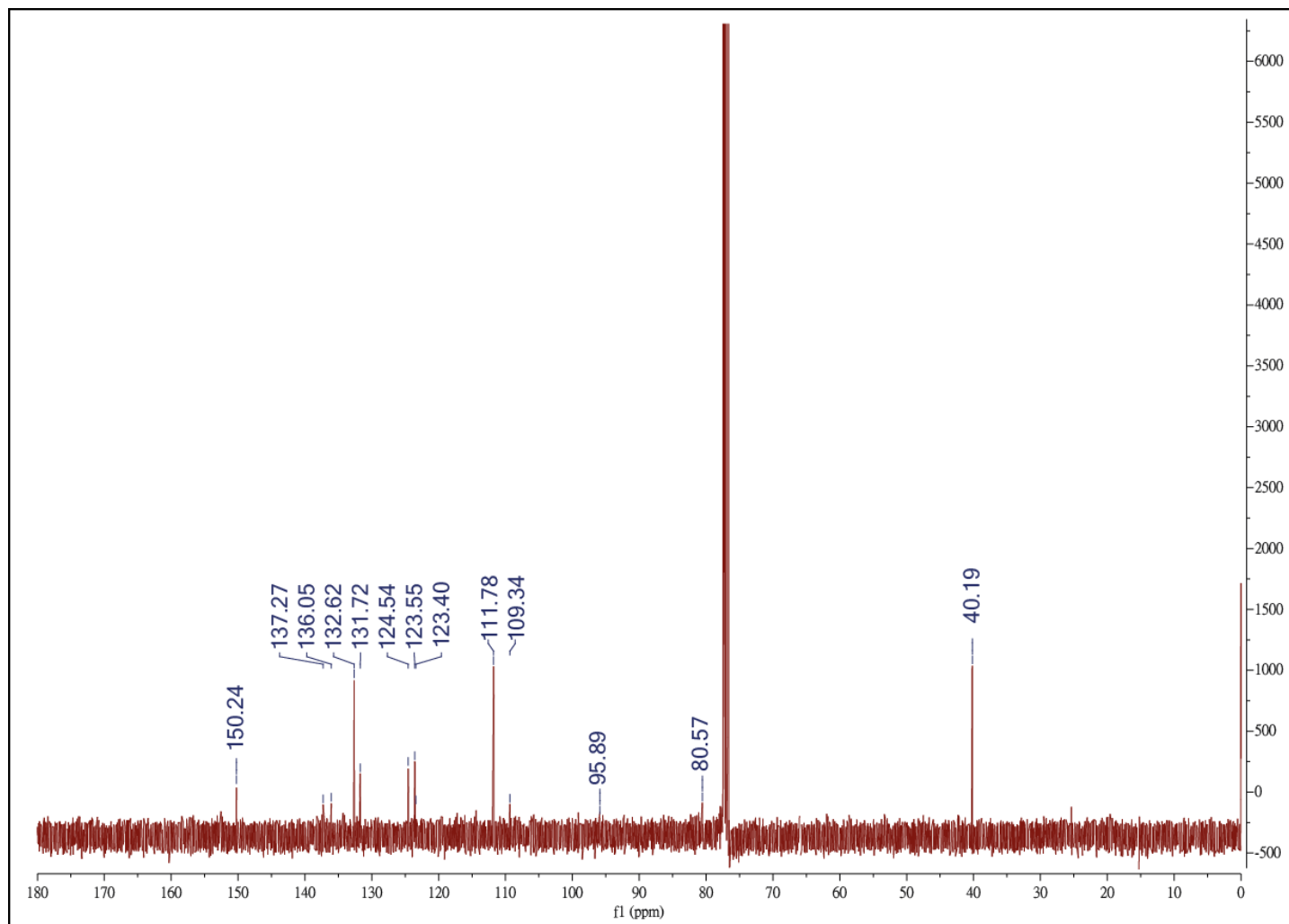
S. Fig. 8. $^1\text{H-NMR}$ spectrum of **Bt**₁ (400 MHz, CDCl_3).



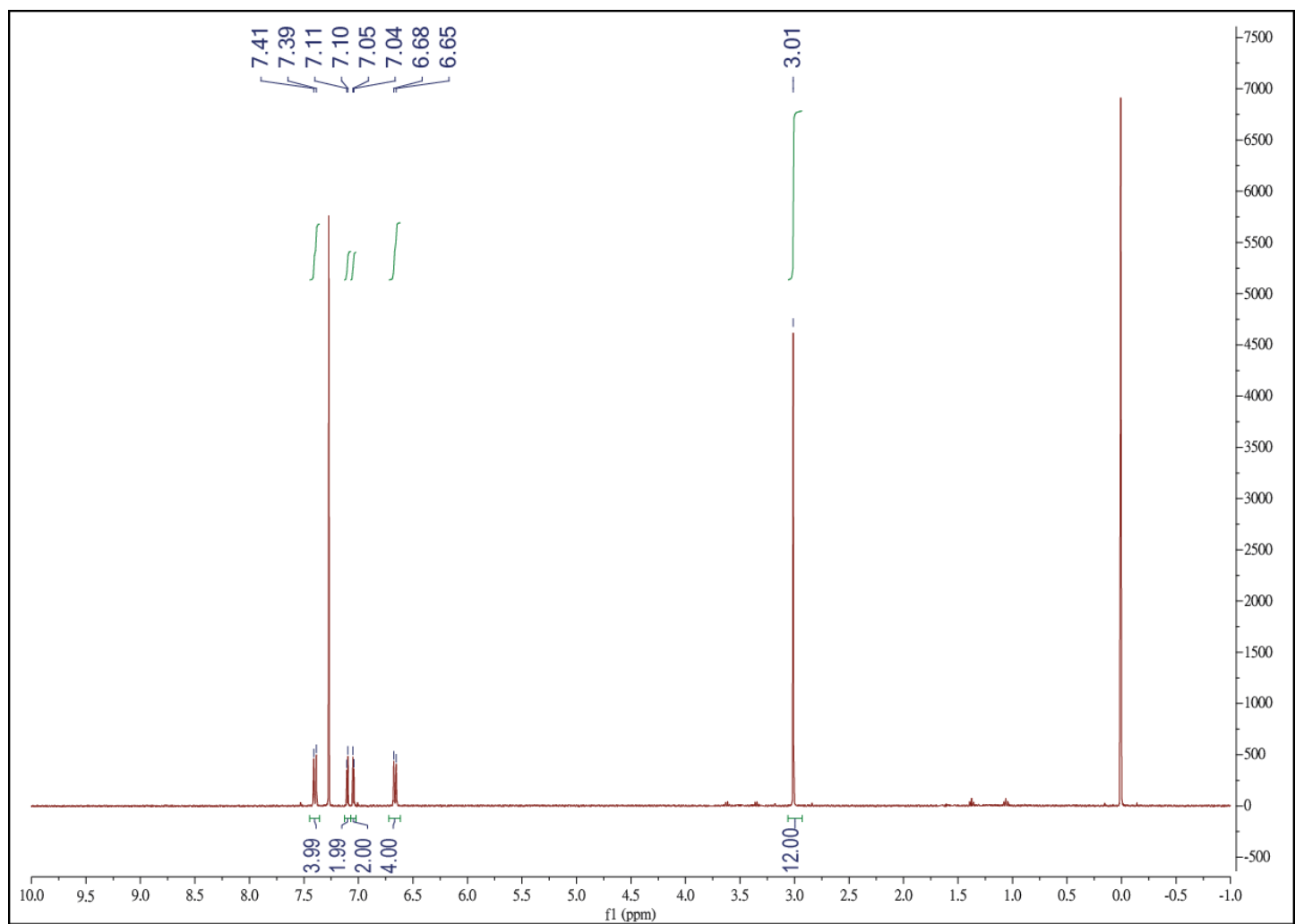
S. Fig. 9. ^{13}C -NMR spectrum of Bt_1 (400 MHz, CDCl_3).



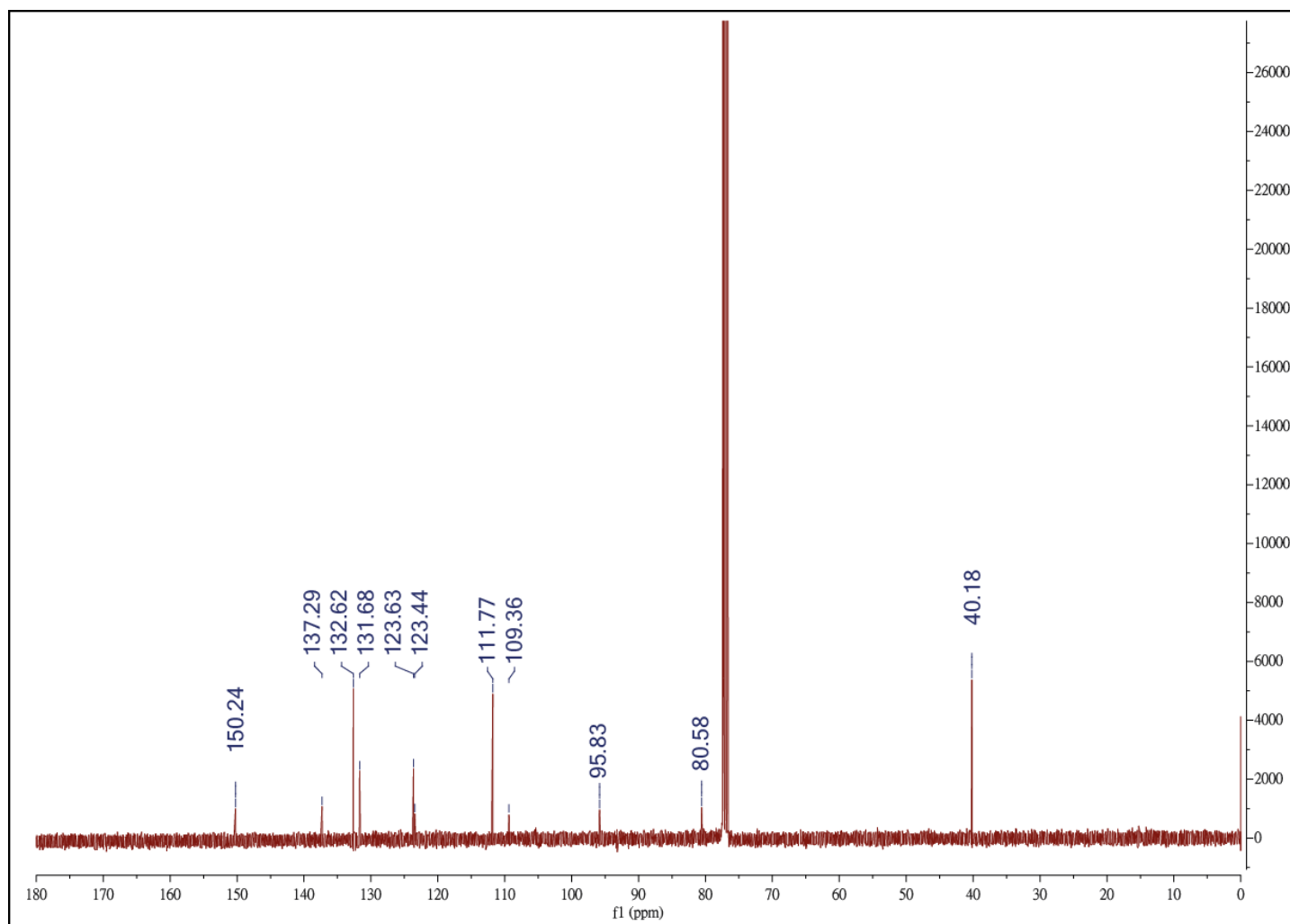
S. Fig. 10. ¹H-NMR spectrum of **Tt**₂ (400 MHz, CDCl₃).



S. Fig. 11. ^{13}C -NMR spectrum of Tt_2 (400 MHz, CDCl_3).



S. Fig. 12. ¹H-NMR spectrum of **Bt**₂ (400 MHz, CDCl₃).



S. Fig. 13. ¹³C-NMR spectrum of **Bt**₂ (400 MHz, CDCl₃).