

Analytical studies on ascosin, candicidin and levorin multicomponent antifungal antibiotic complexes. The stereostructure of ascosin A2

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ELECTRONIC SUPPLEMENTARY INFORMATION

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1. NMR SPECTRA OF 3'-N-ACETYLASCOSIN A2 METHYL ESTER (A2*).

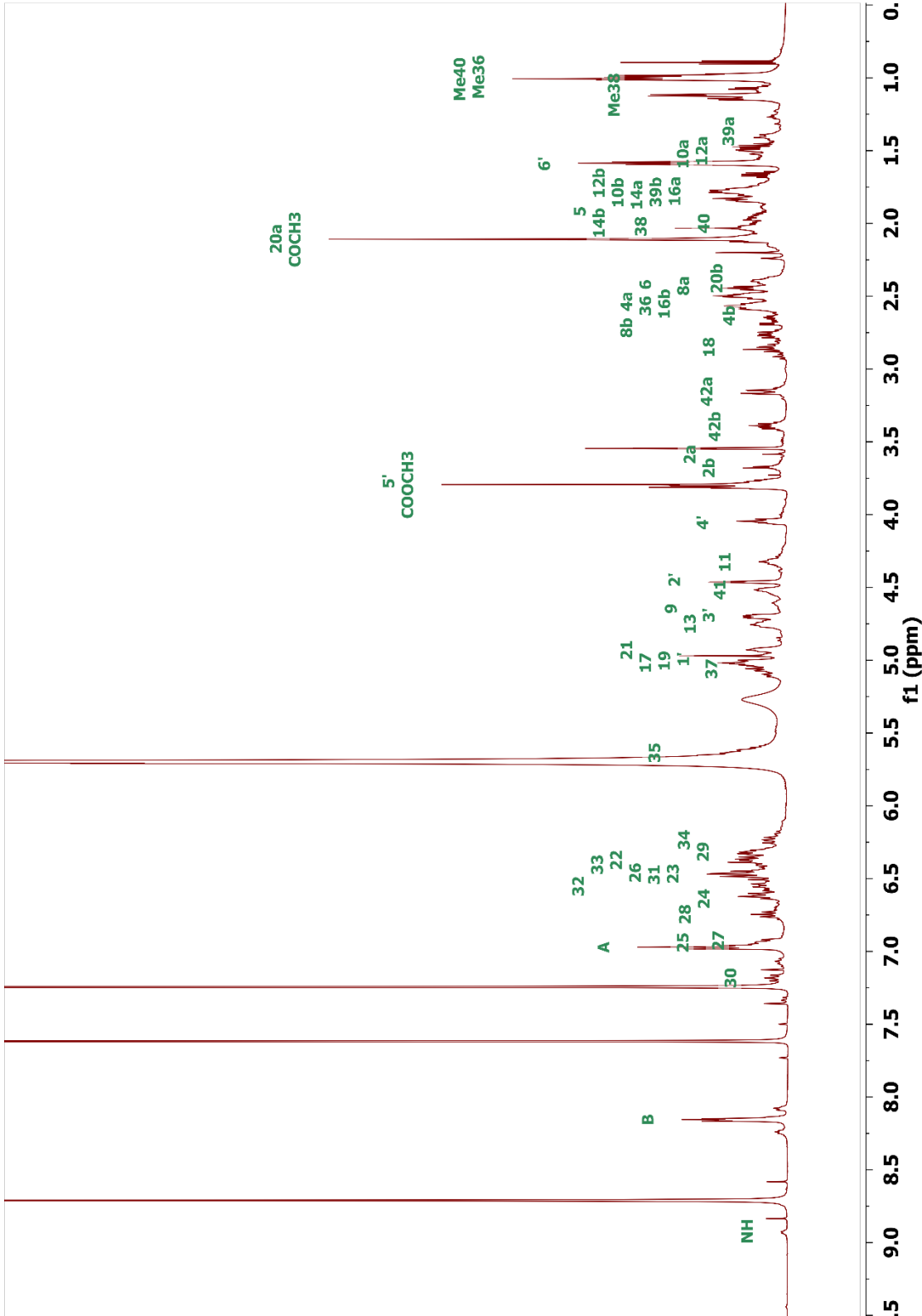


Figure 1.1. ¹H NMR spectrum of A2*.

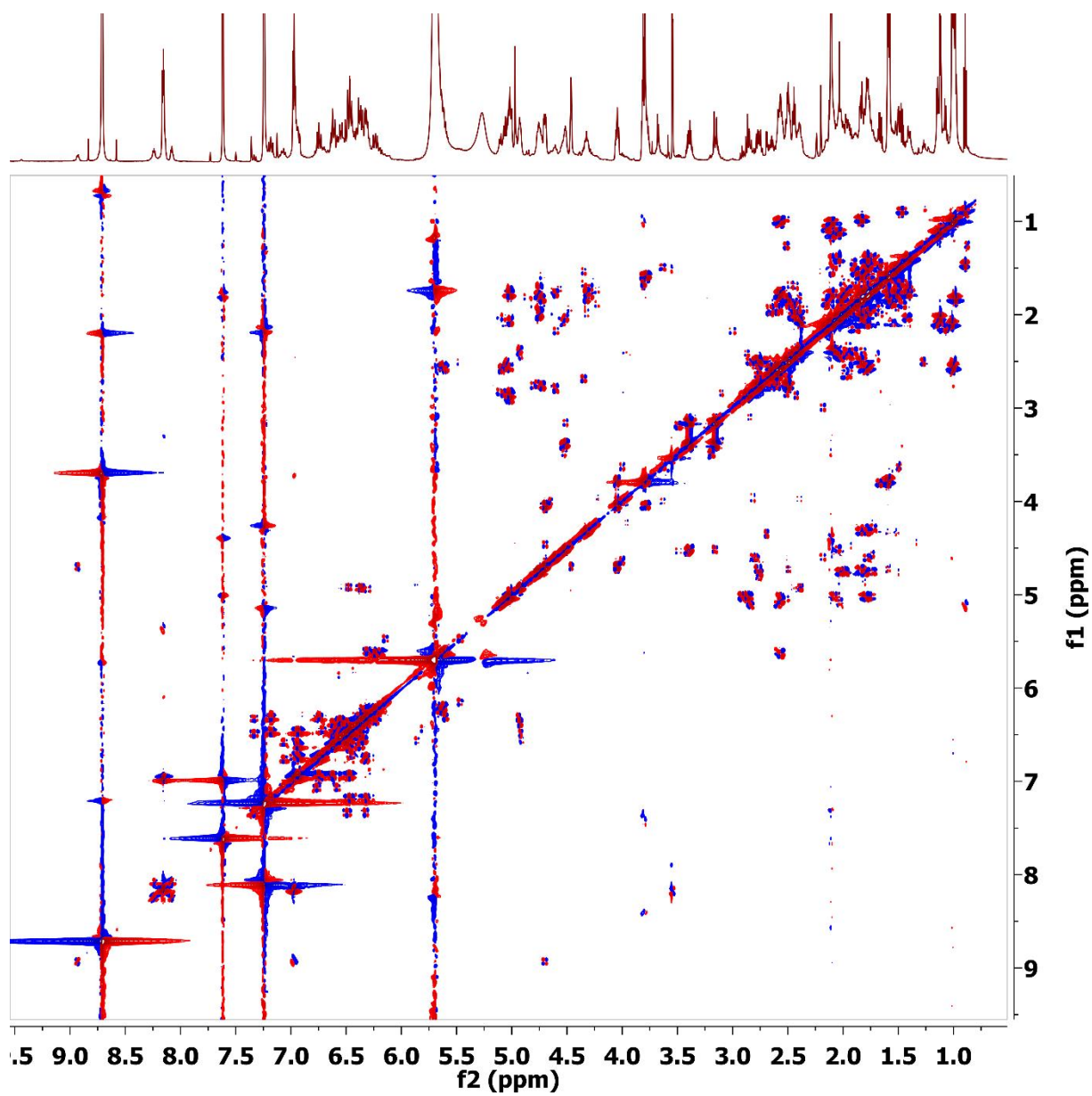


Figure 1.2. DQF-COSY spectrum of A2*.

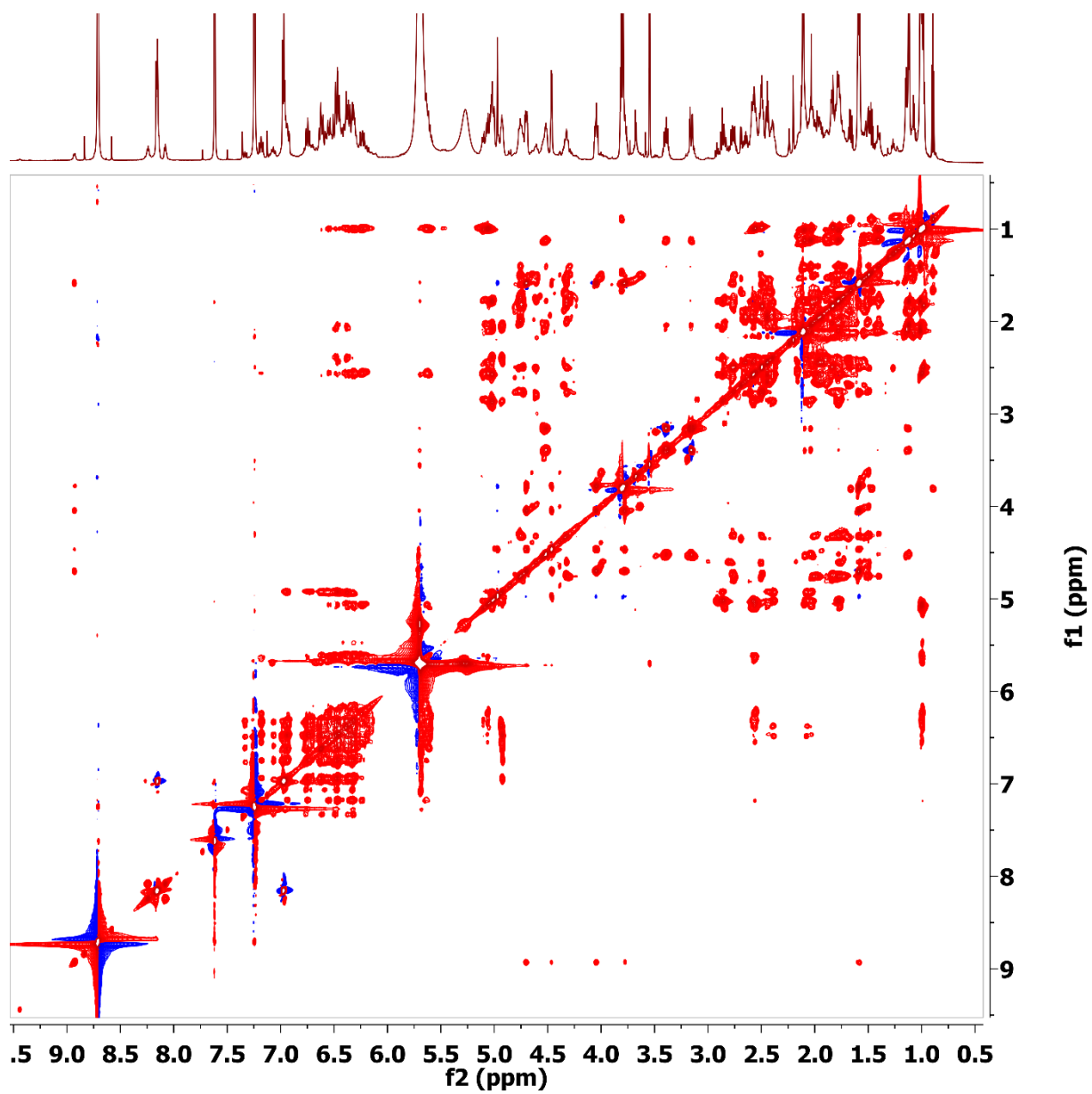


Figure 1.3. TOCSY spectrum of A2*. Mix time = 110 ms.

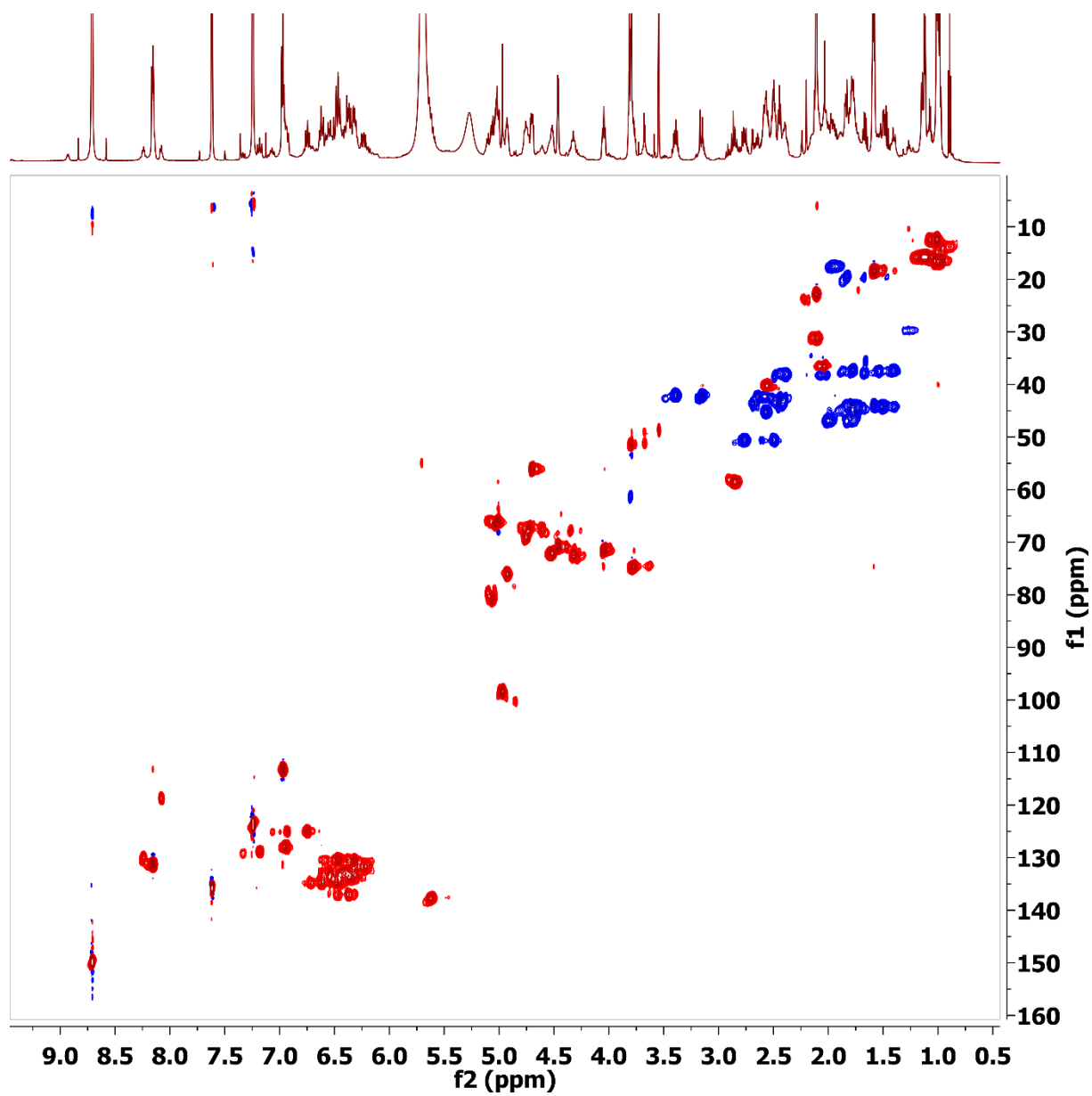


Figure 1.4. Edited HSQC spectrum of A2*.

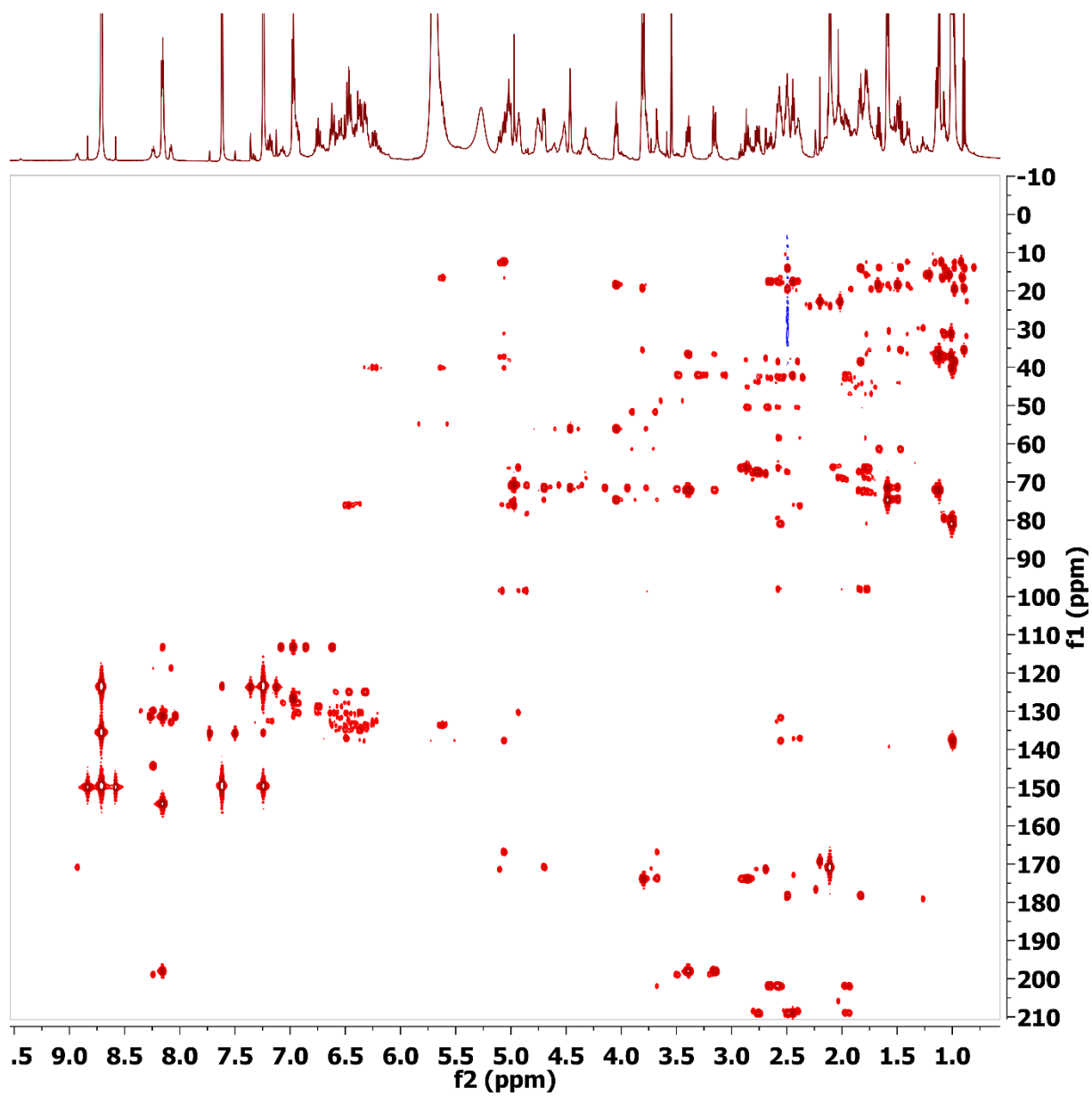


Figure 1.5. GHMBC spectrum of A2*.

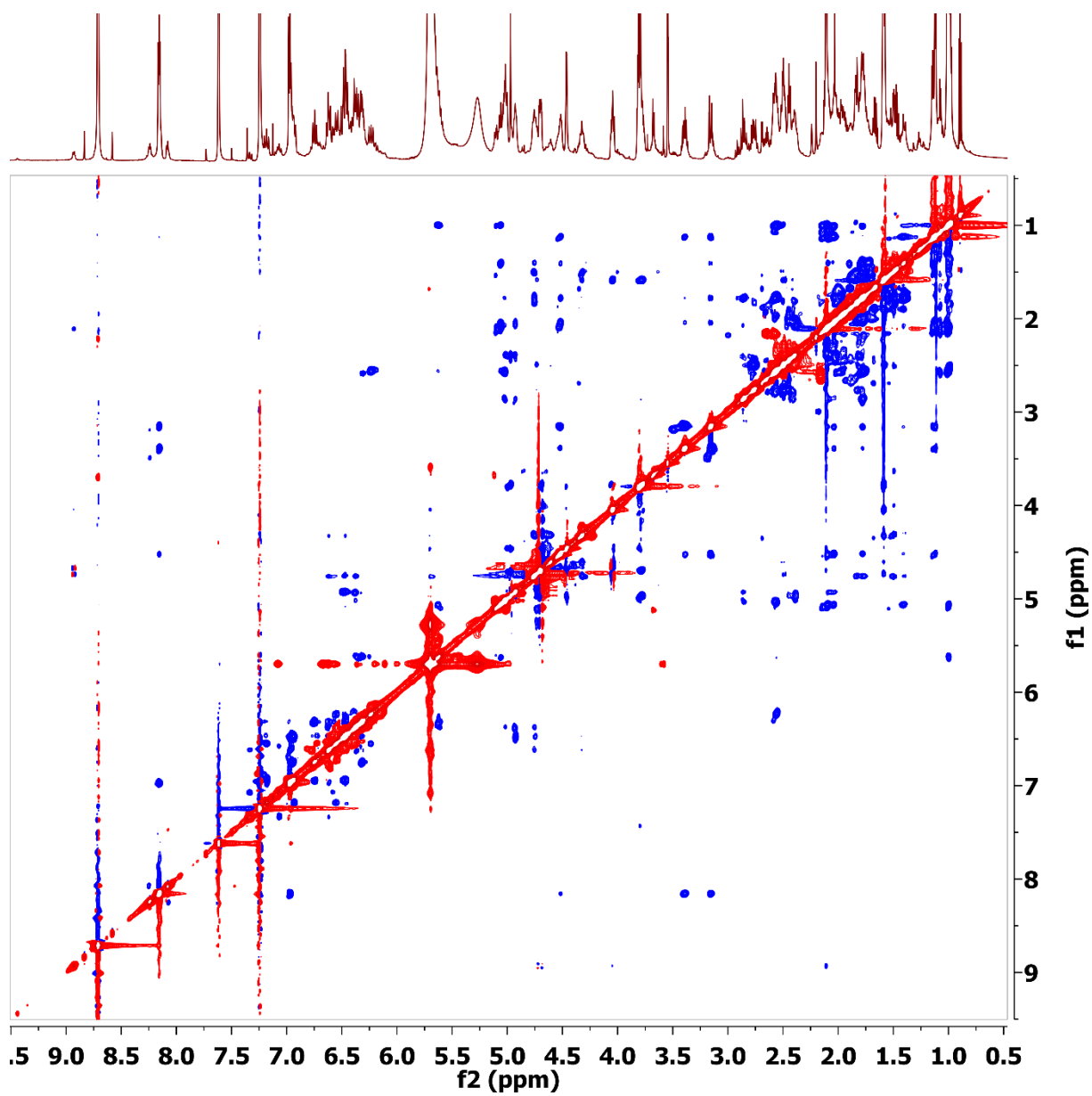


Figure 1.6. ROESY spectrum of A2*. Mix time = 300 ms.

2. MS AND UV-VIS SPECTRA.

2.1. UV-VIS spectra.

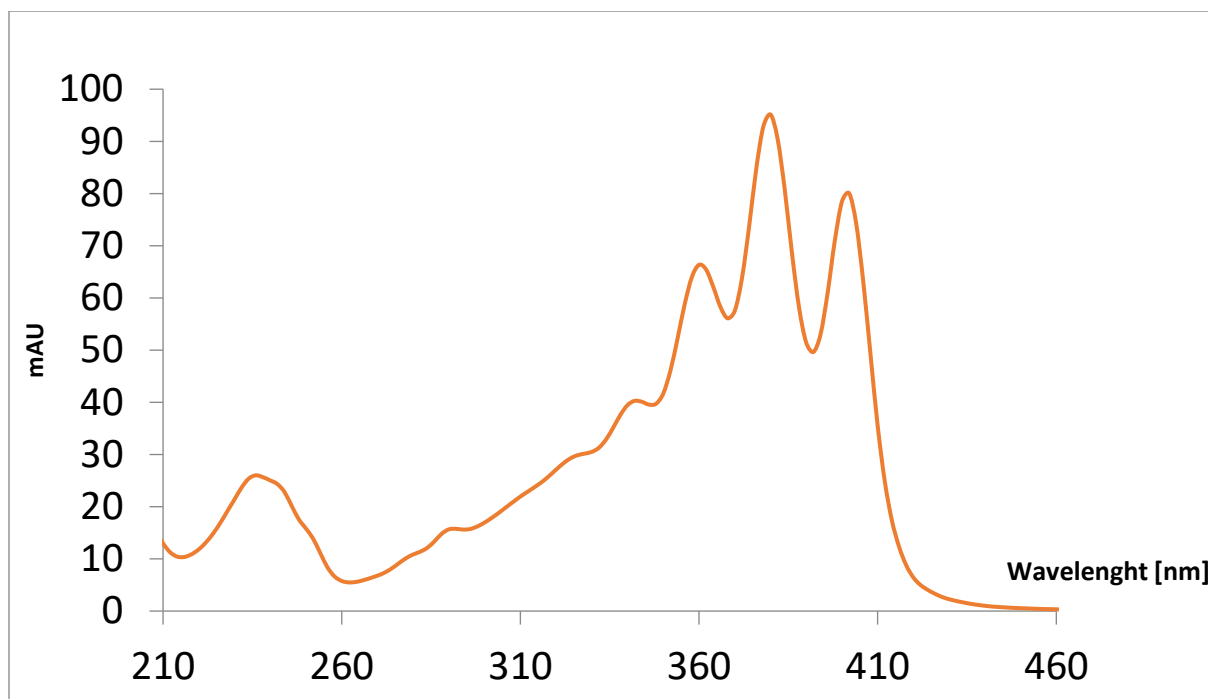


Figure 2.1. The example UV-VIS spectrum of candididin D recorded with DAD detector. The same UV-Vis spectra were obtained for all major components of studied complexes.

2.2. MS spectra.

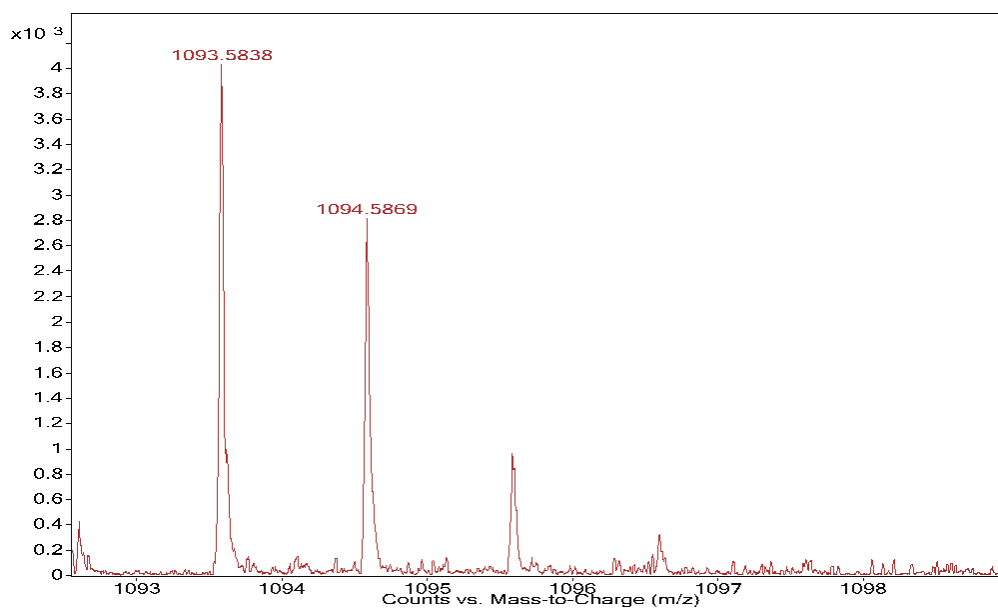


Figure 2.2. The high-resolution isotopic mass distribution of pseudomolecular ions [M+H]⁺ of ascosin A1.

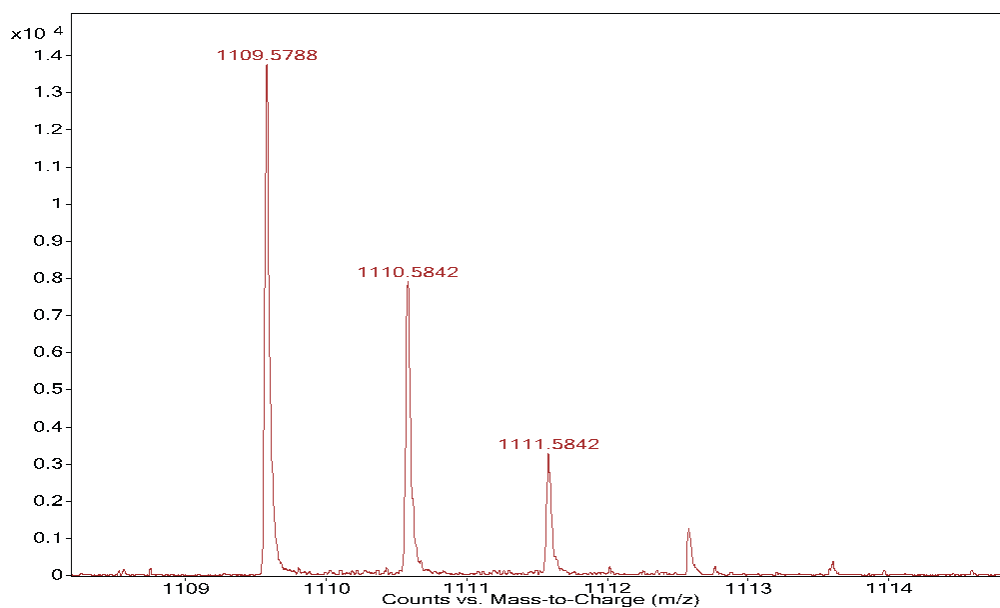


Figure 2.3. The high-resolution isotopic mass distribution of pseudomolecular ions $[M+H]^+$ of ascosin A2.

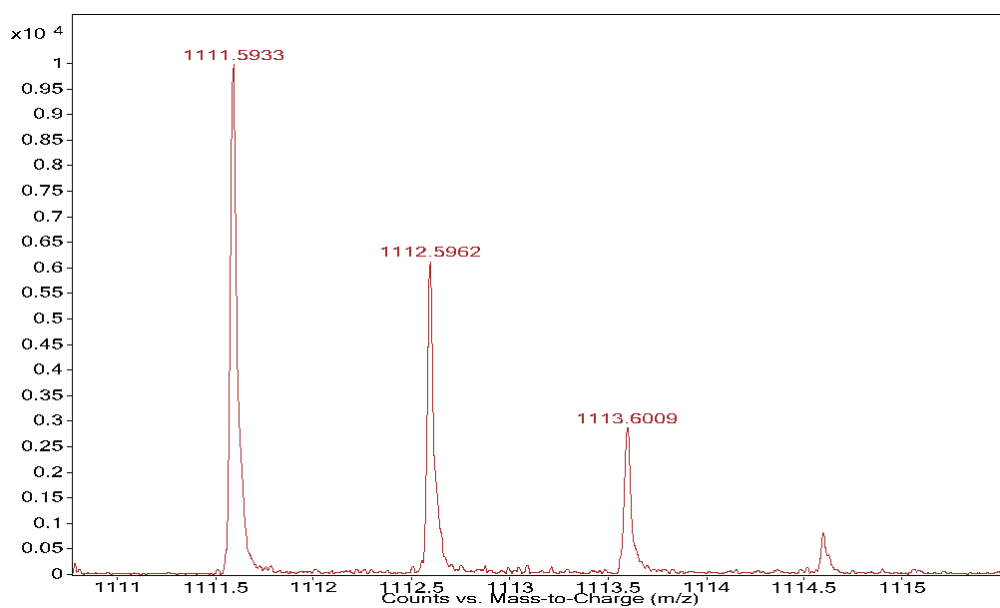


Figure 2.4. The high-resolution isotopic mass distribution of pseudomolecular ions $[M+H]^+$ of ascosin A3.

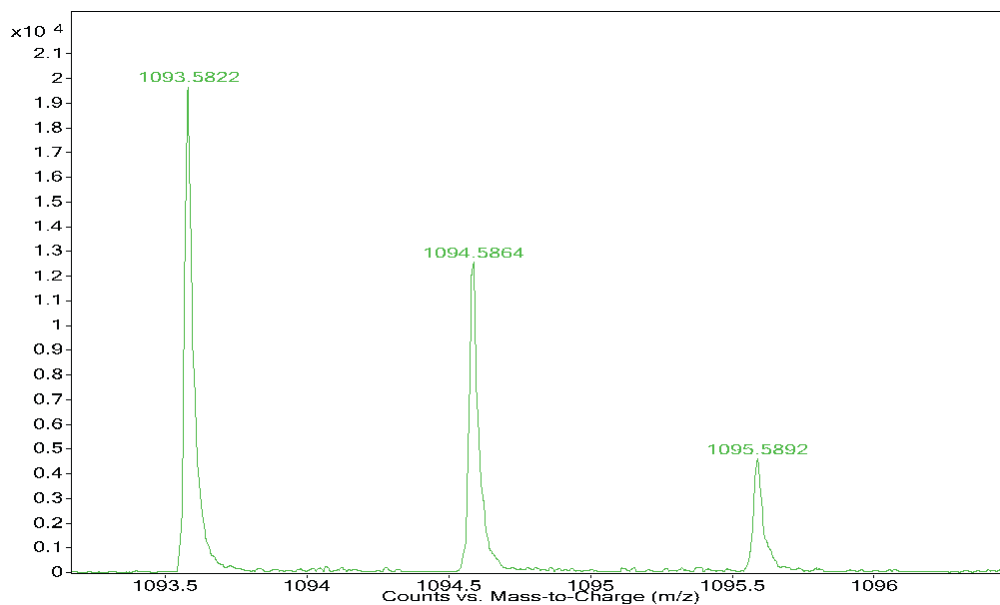


Figure 2.5. The high-resolution isotopic mass distribution of pseudomolecular ions [M+H]⁺ of candicidin A1.

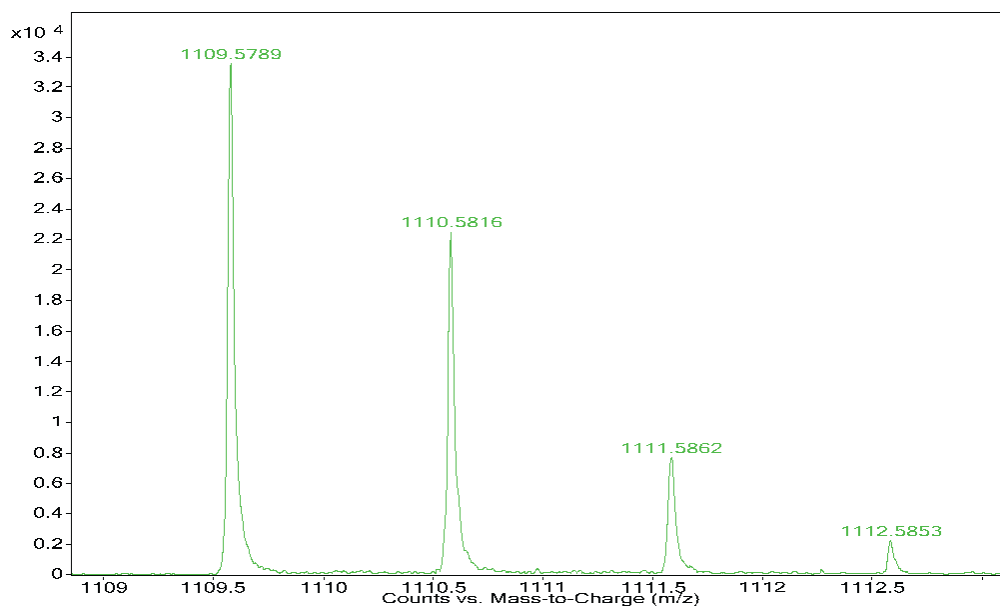


Figure 2.6. The high-resolution isotopic mass distribution of pseudomolecular ions [M+H]⁺ of candicidin D.

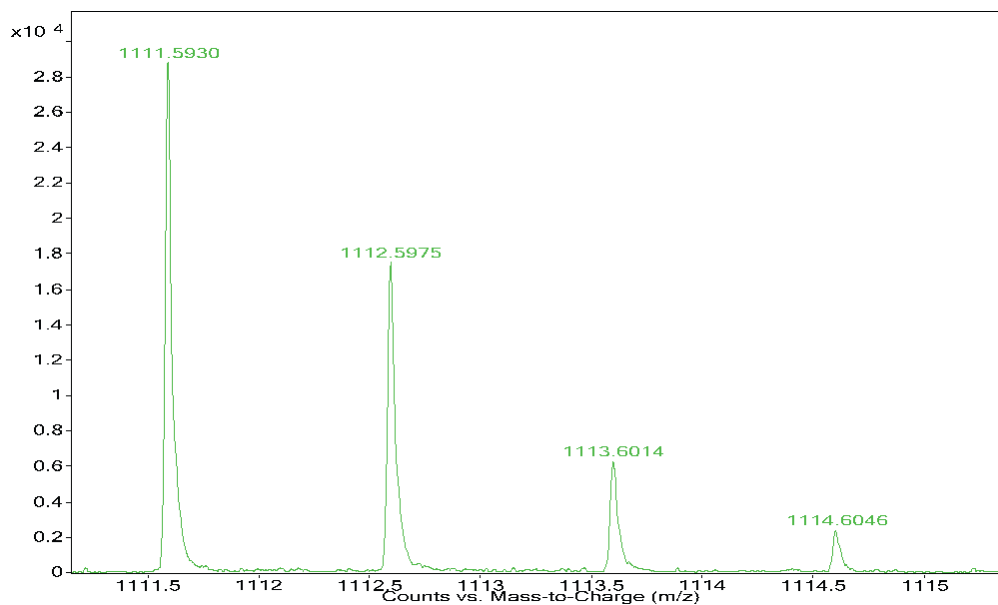


Figure 2.7. The high-resolution isotopic mass distribution of pseudomolecular ions $[M+H]^+$ of candicidin A3.

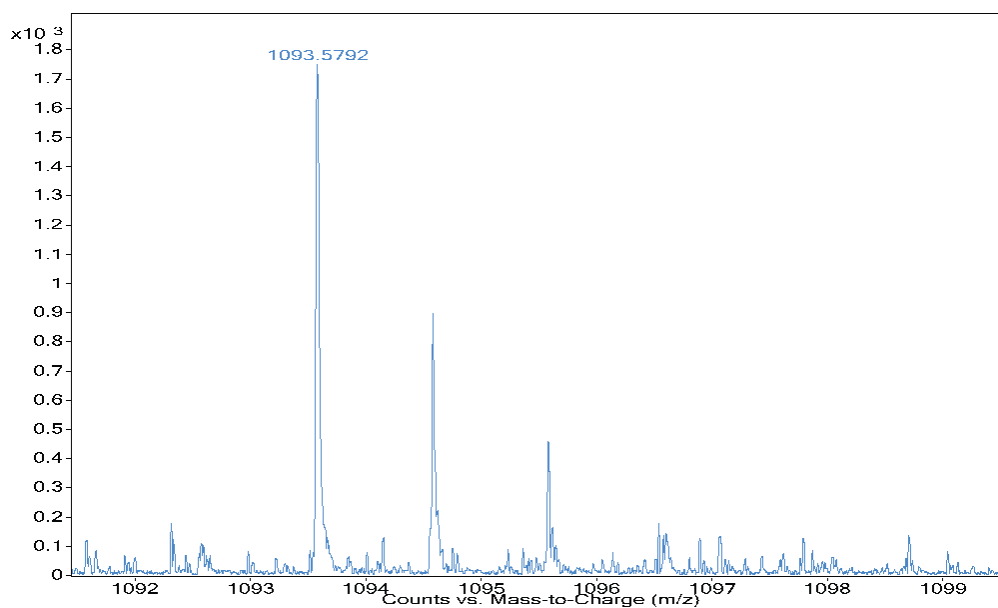


Figure 2.8. The high-resolution isotopic mass distribution of pseudomolecular ions $[M+H]^+$ of levorin A1.

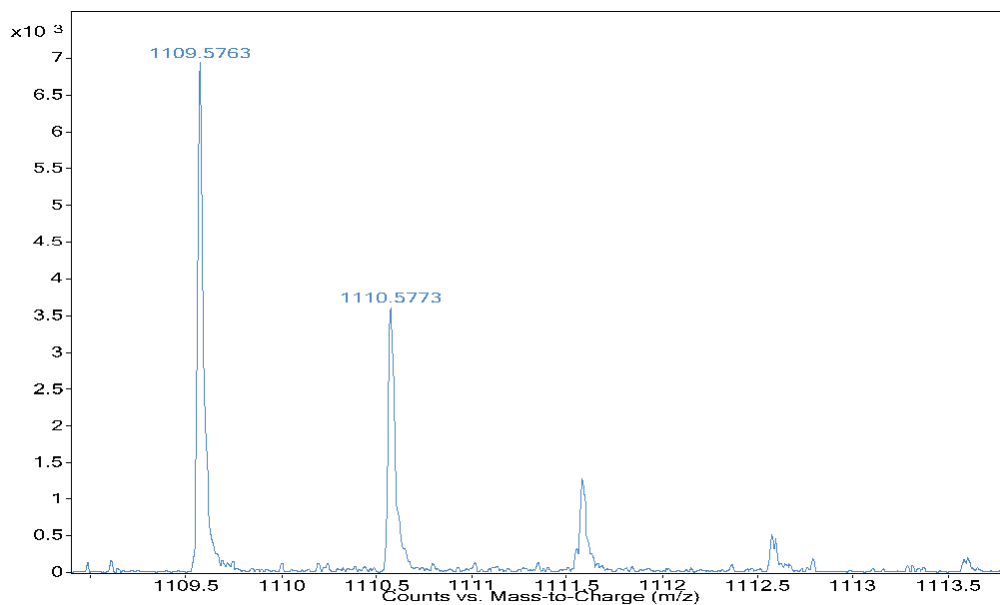


Figure 2.9. The high-resolution isotopic mass distribution of pseudomolecular ions $[M+H]^+$ of levorin A2.

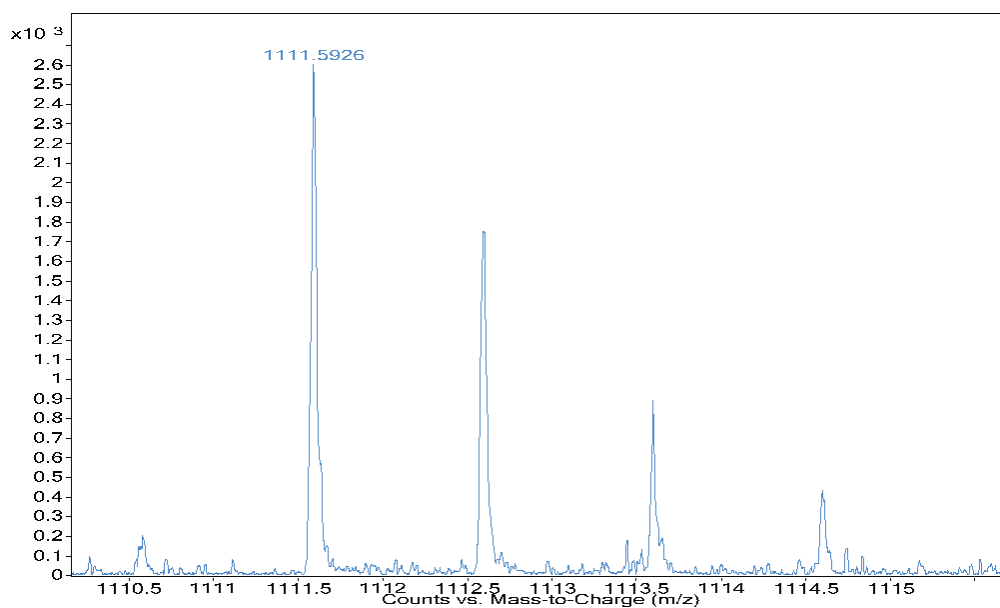


Figure 2.10. The high-resolution isotopic mass distribution of pseudomolecular ions $[M+H]^+$ of levorin A3.