

SUPPORTING INFORMATION

A Nrf-2 Stimulating Hydroxylated Cannabidiol Derivative from Hemp (*Cannabis sativa*)

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Figure S1. ^1H NMR spectrum of compound **6** (700 MHz) in CDCl_3

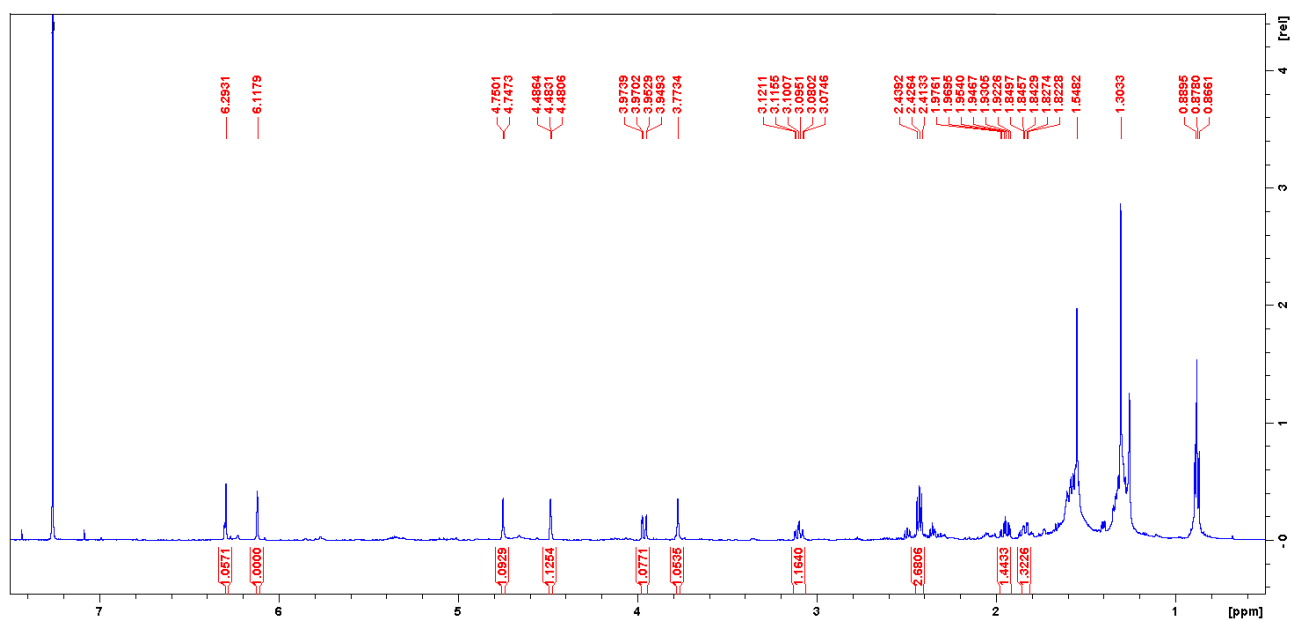


Figure S2. COSY 2D NMR spectrum of compound **6** (700 MHz) in CDCl_3

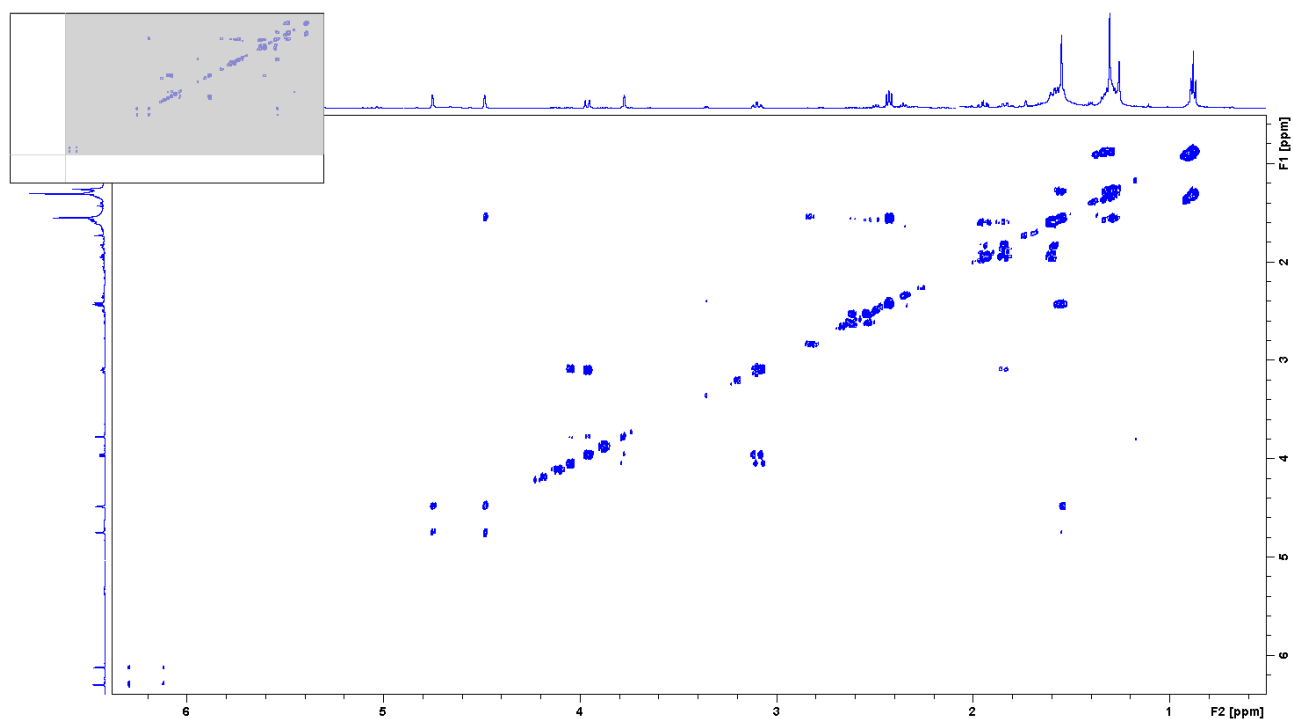


Figure S3. HMBC 2DNMR spectrum of compound **6** (700 MHz) in CDCl_3

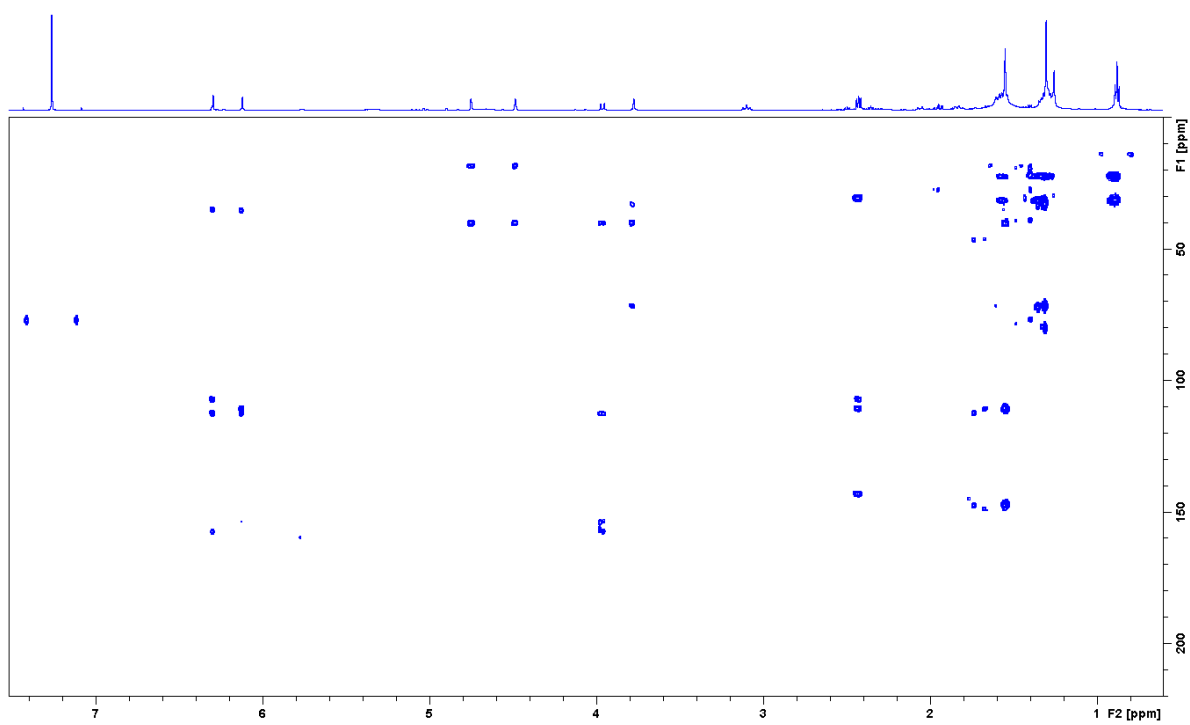


Figure S4. HSQC 2DNMR spectrum of compound **6** (700 MHz) in CDCl_3

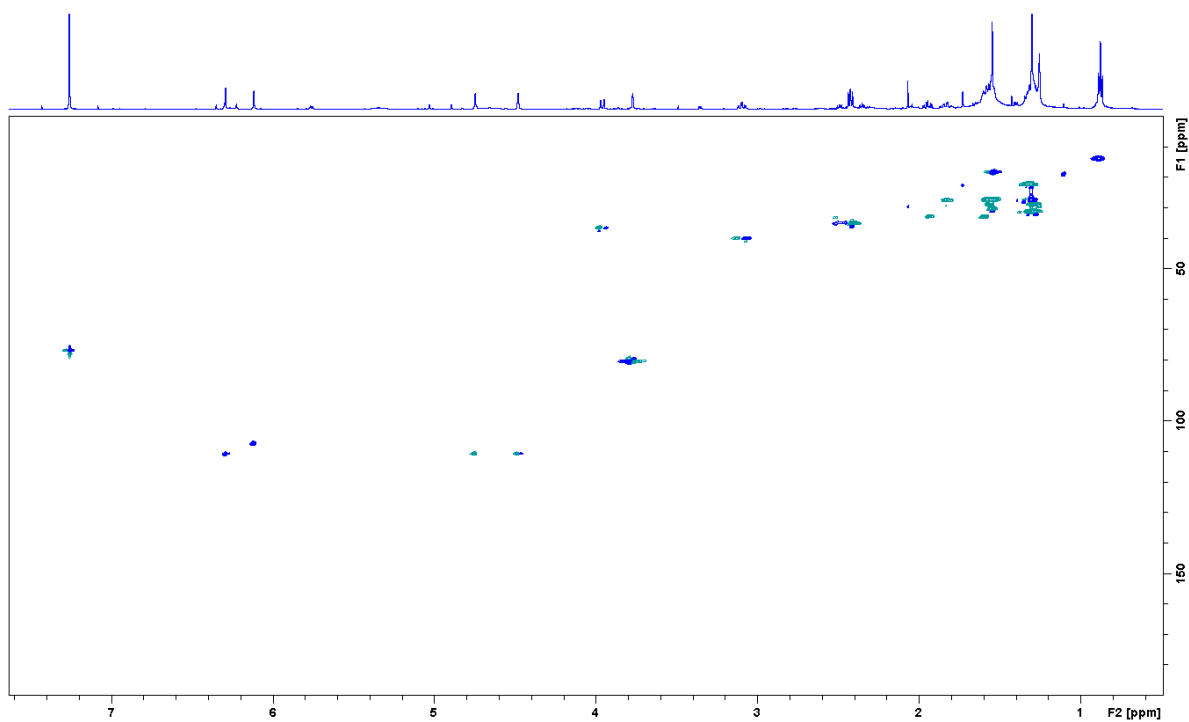


Figure S5. NOESY 2D NMR spectrum of compound **6** (700 MHz) in CDCl₃

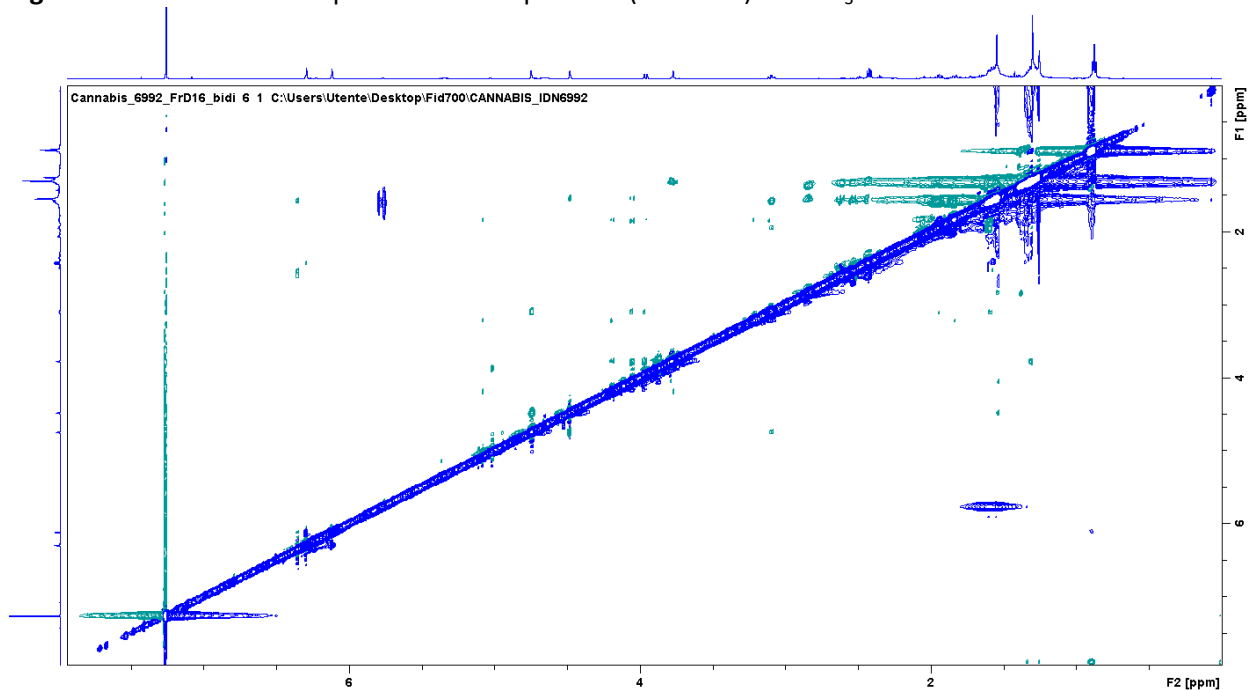


Figure S6. ¹H NMR spectrum of compound **7** (700 MHz) in CDCl₃

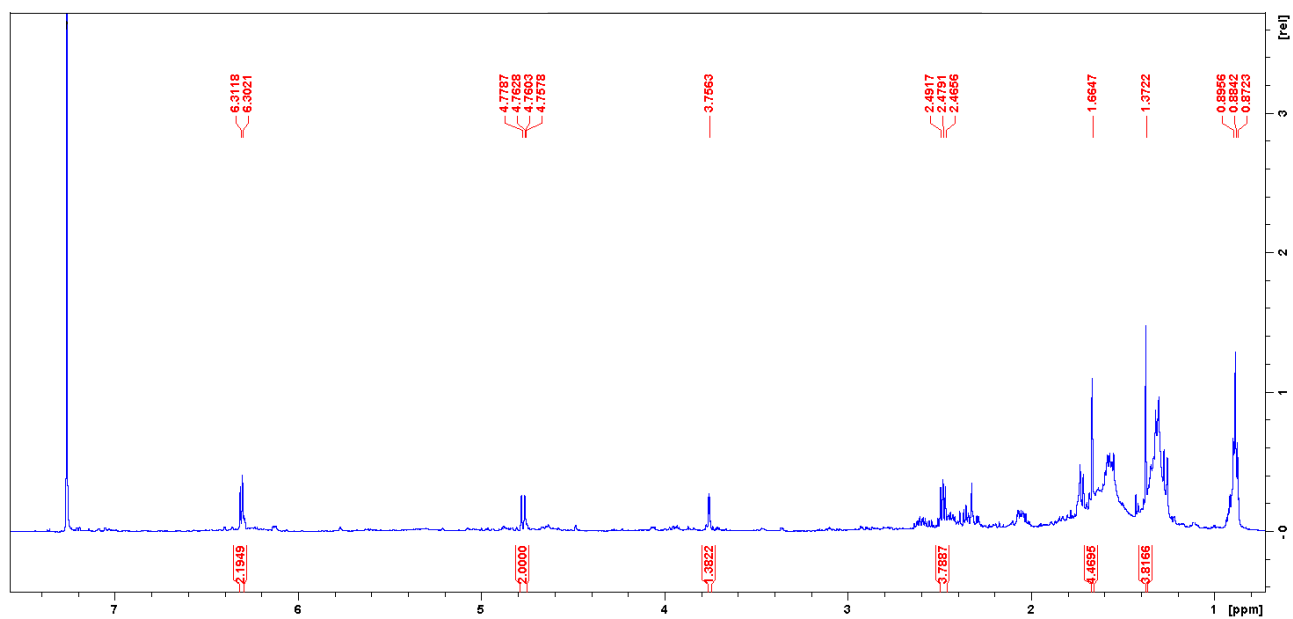


Figure S7. COSY 2D NMR spectrum of compound **7** (700 MHz) in CDCl₃

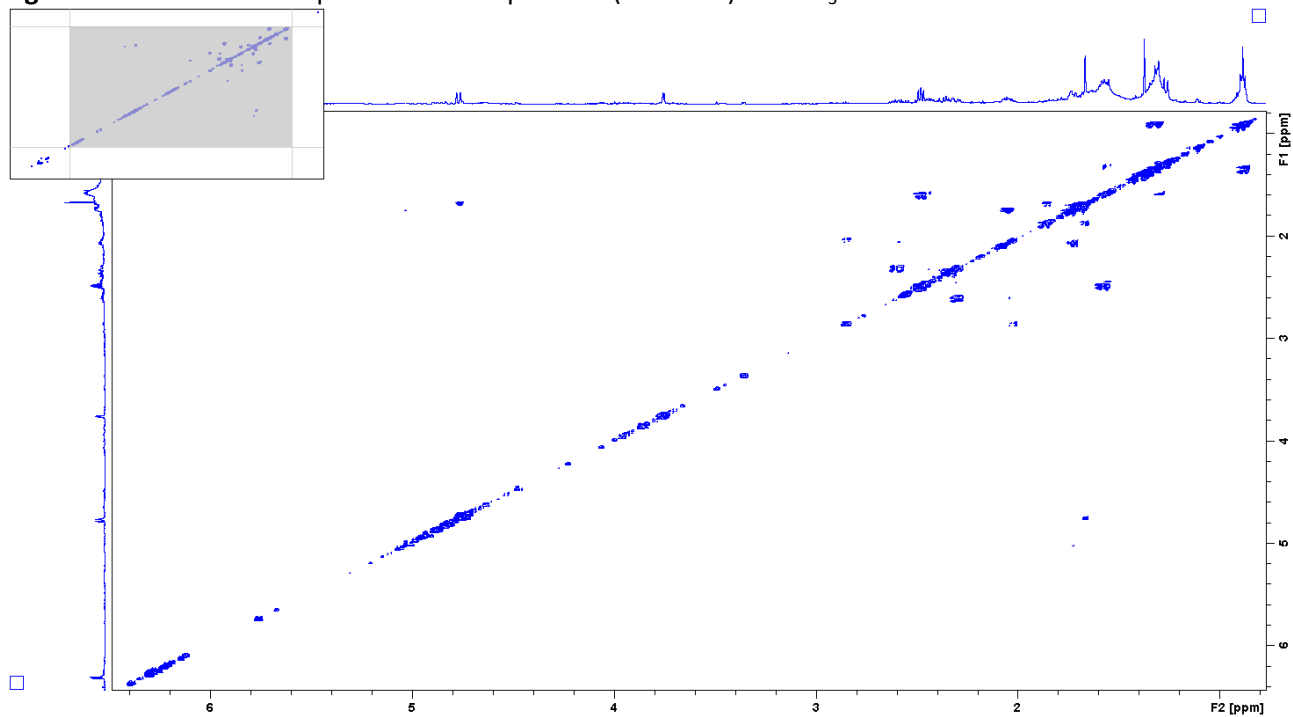


Figure S8. HMBC 2D NMR spectrum of compound **7** (700 MHz) in CDCl₃

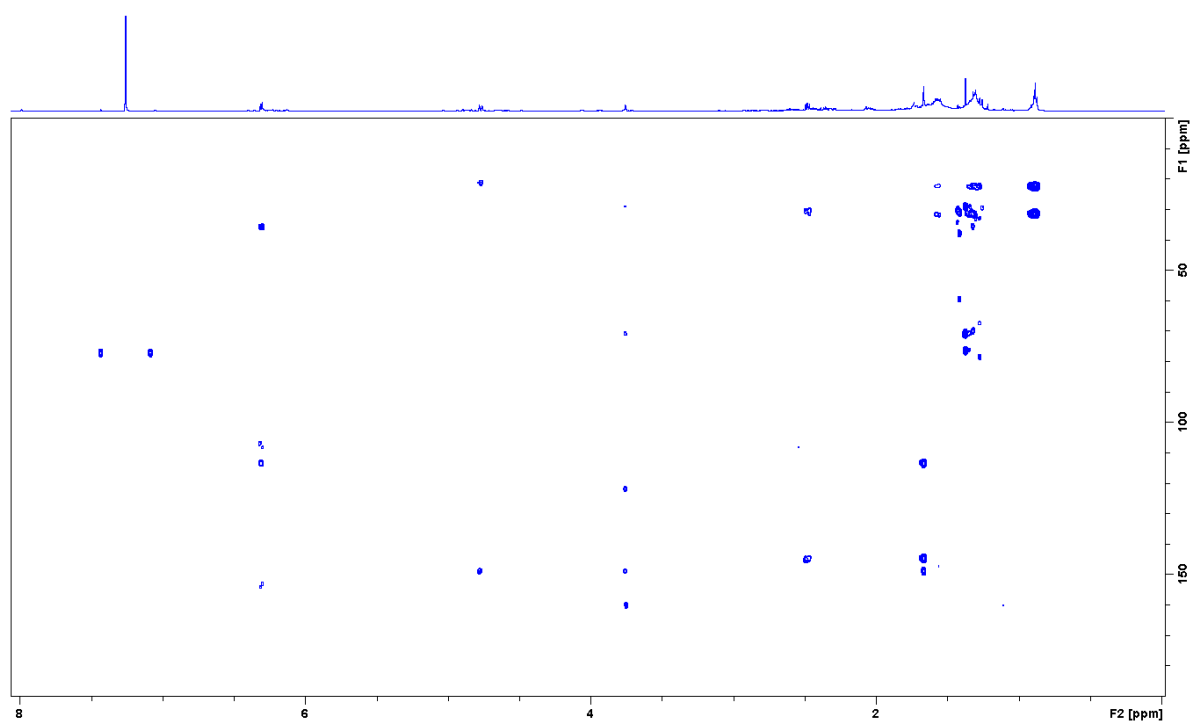


Figure S9. HSQC 2D NMR spectrum of compound **7** (700 MHz) in CDCl₃

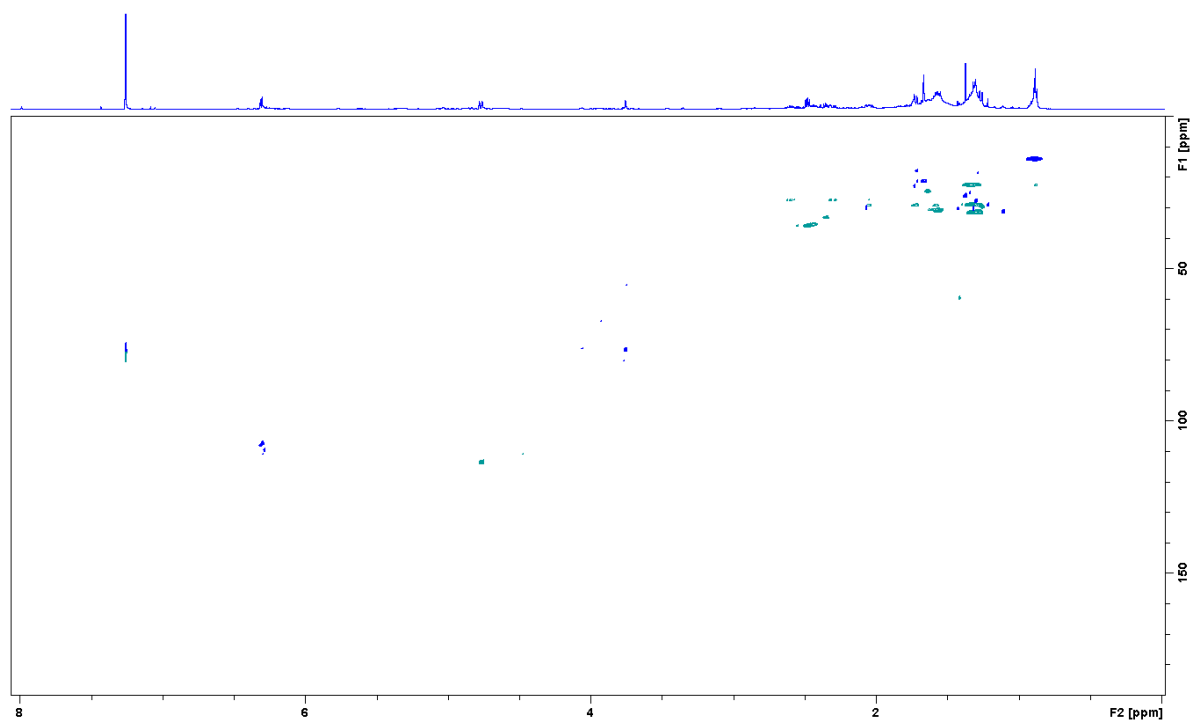


Figure S10. NOESY 2D NMR spectrum of compound **7** (700 MHz) in CDCl₃

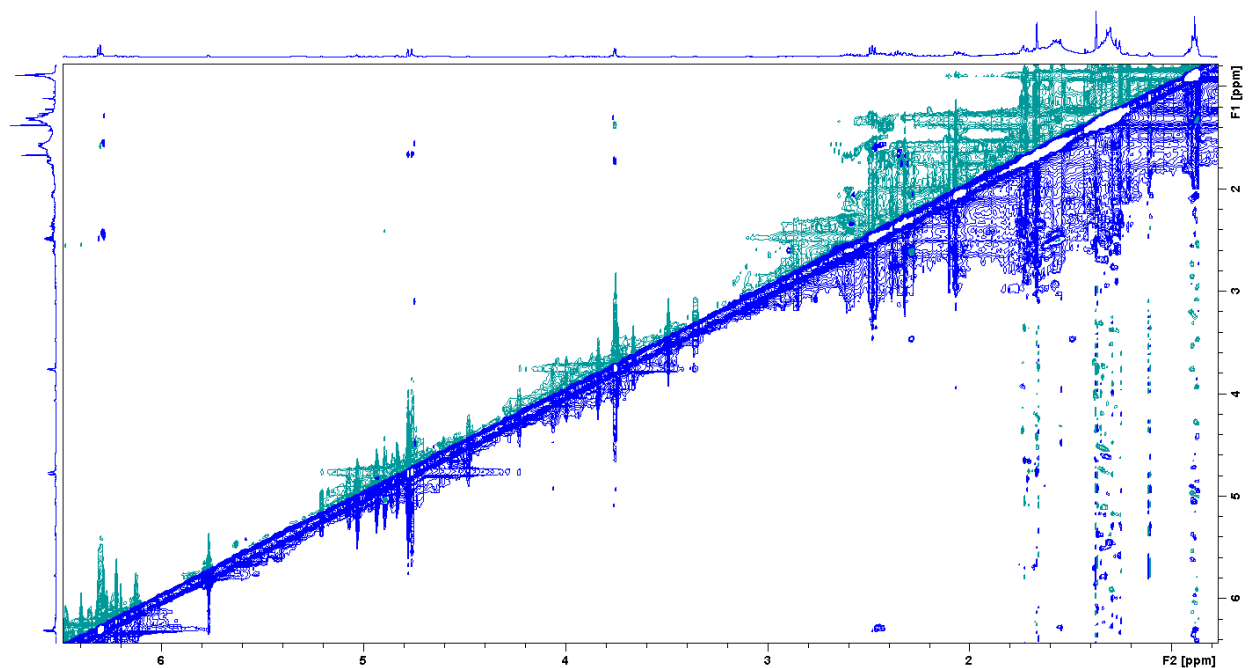


Figure S11. ^1H NMR spectrum of compound **8** (700 MHz) in CDCl_3

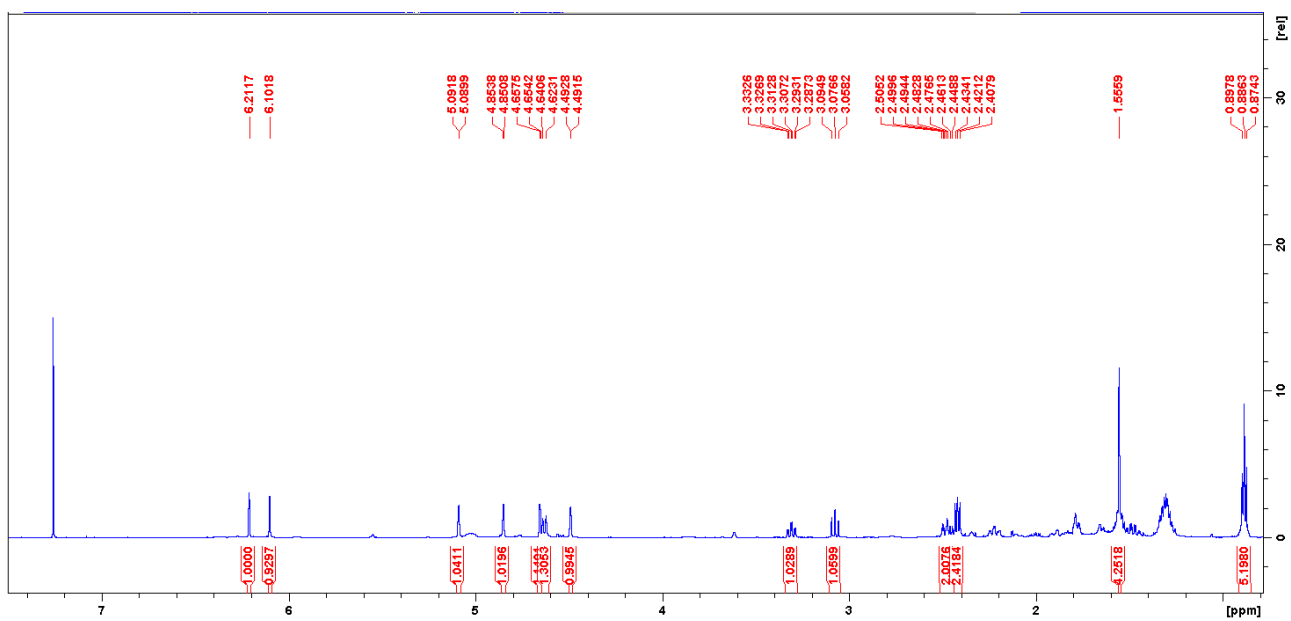


Figure S12. COSY 2D NMR spectrum of compound **8** (700 MHz) in CDCl_3

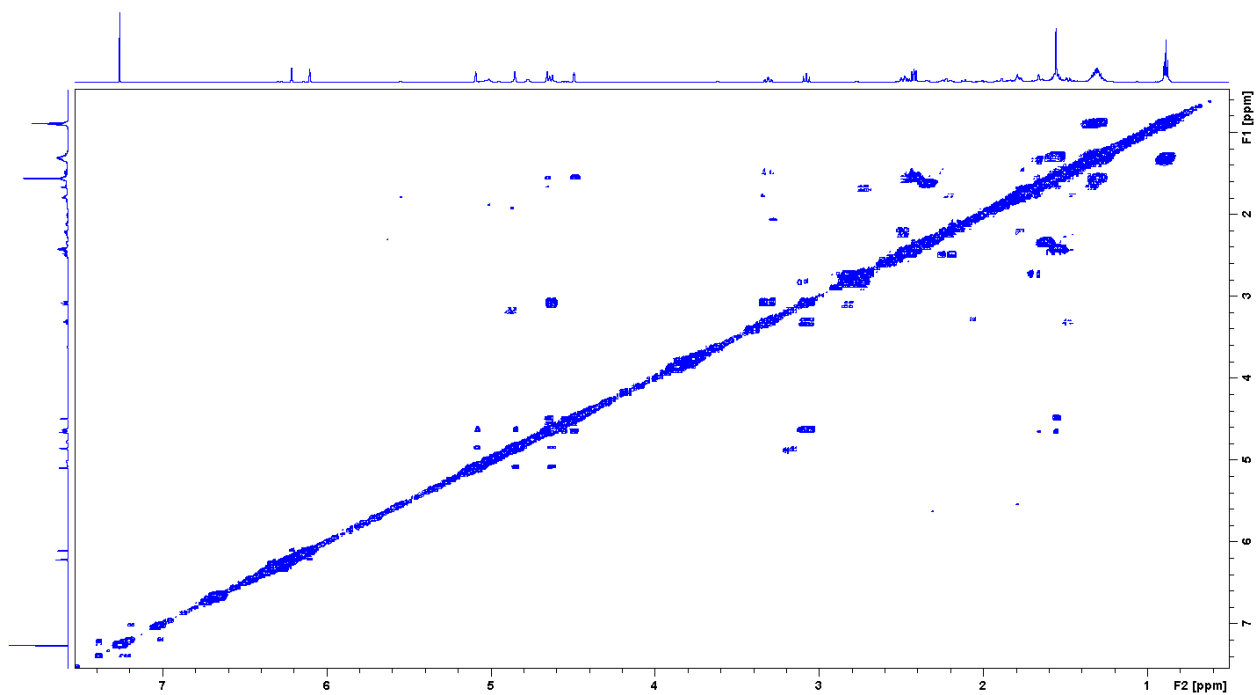


Figure S13. HMBC 2D NMR spectrum of compound **8** (700 MHz) in CDCl₃

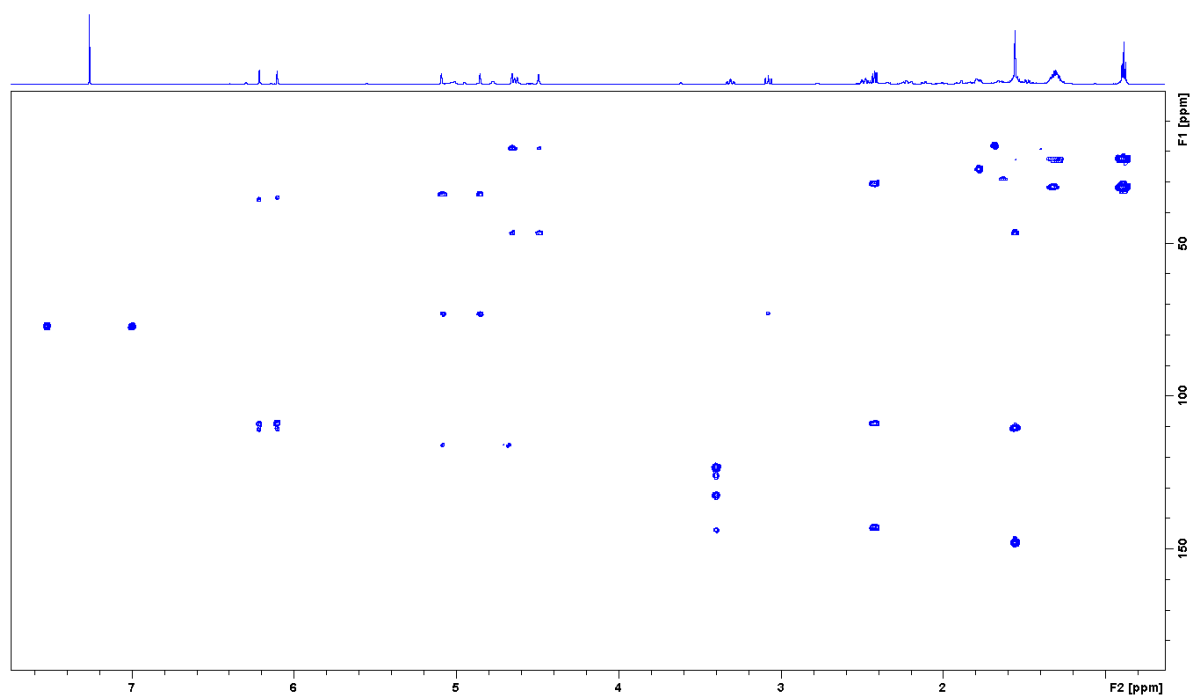


Figure S14. HSQC 2D NMR spectrum of compound **8** (700 MHz) in CDCl₃

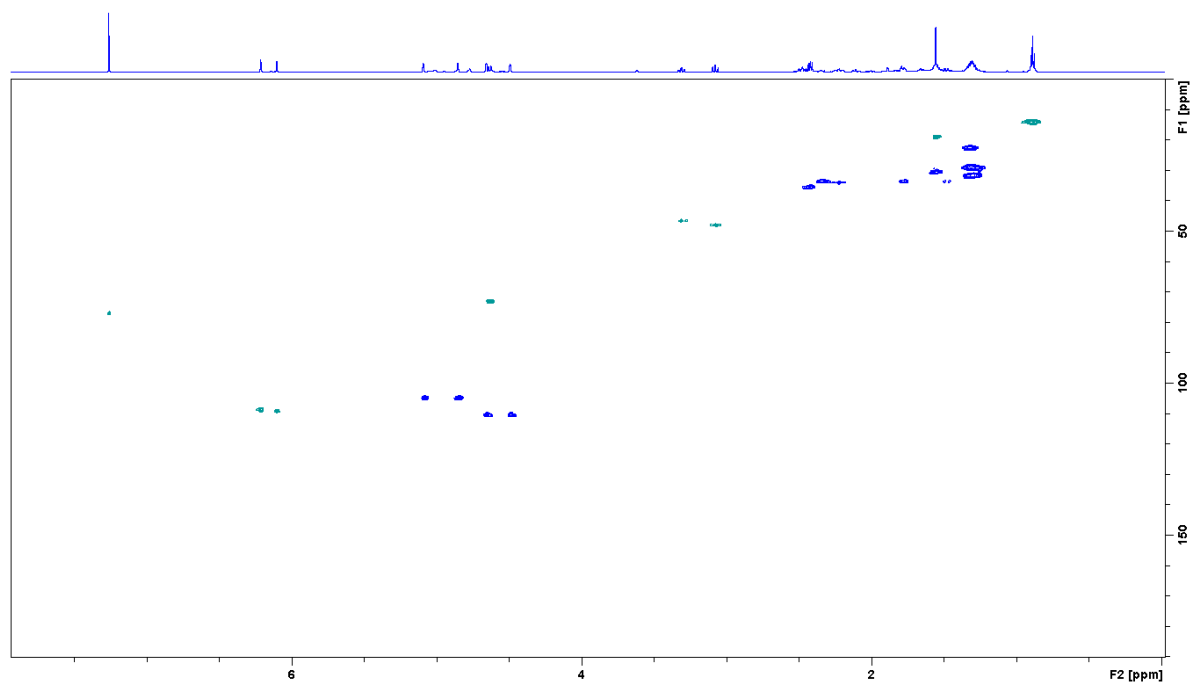
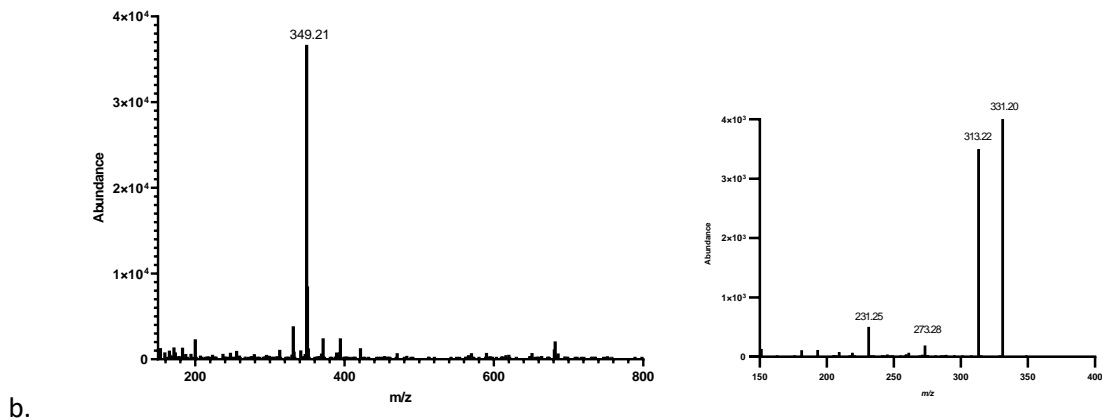
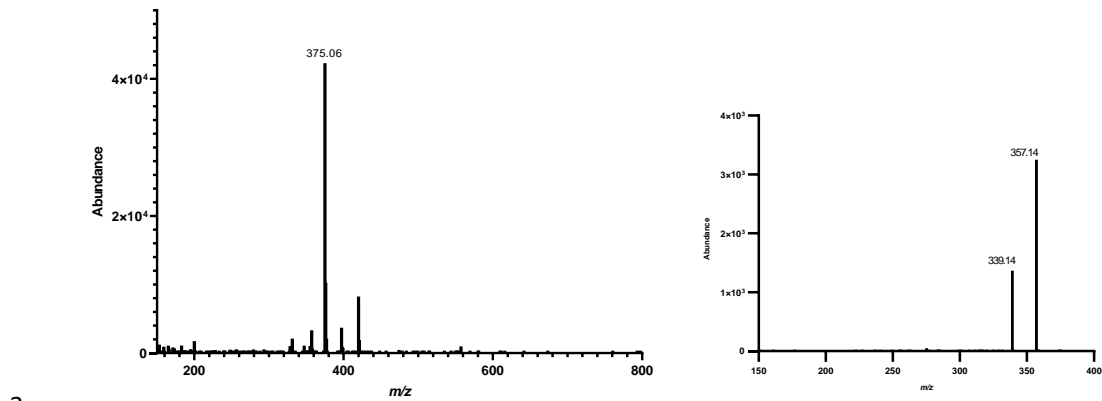
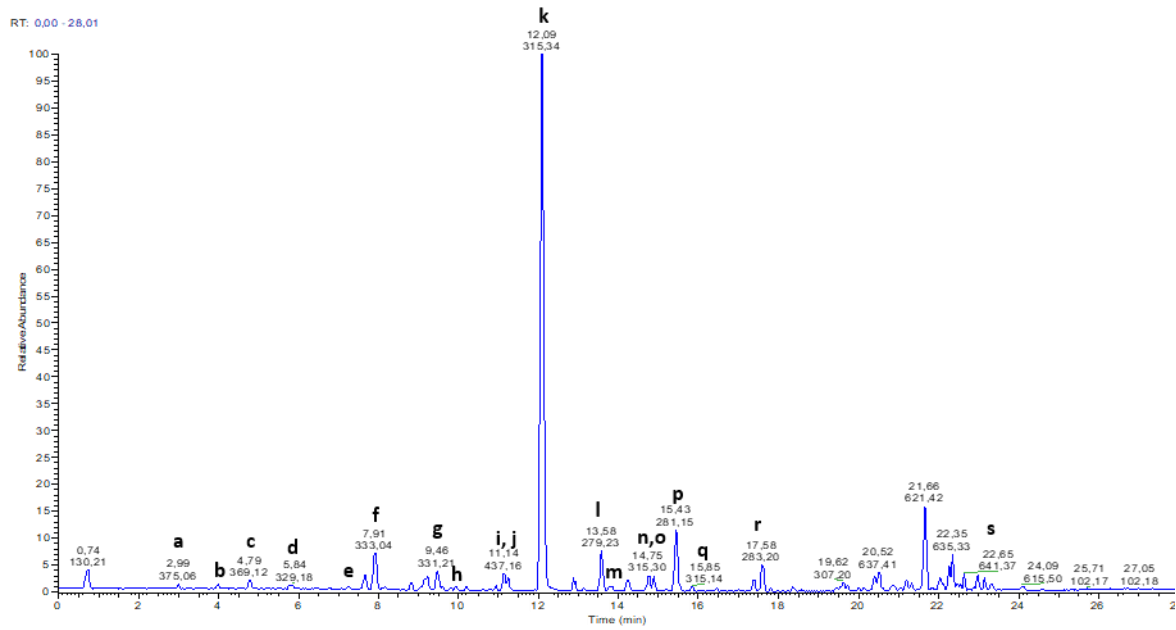
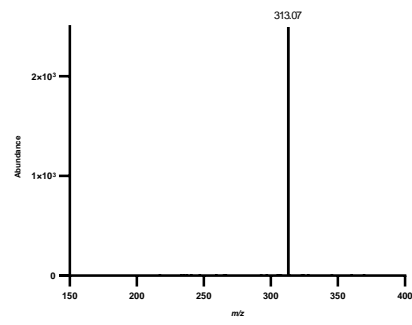
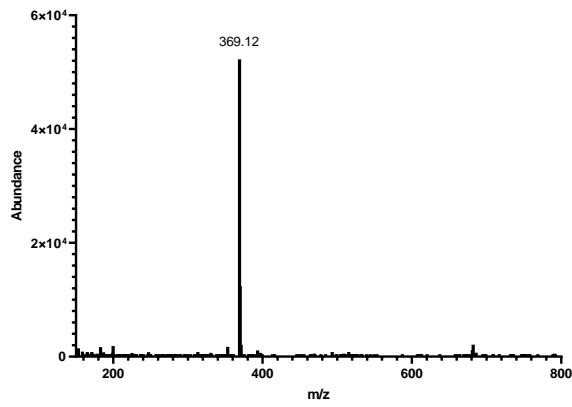
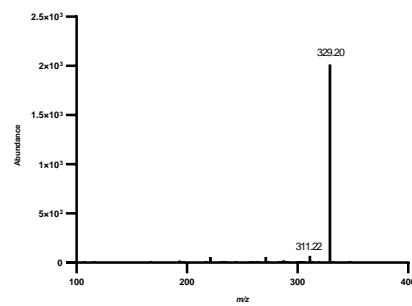
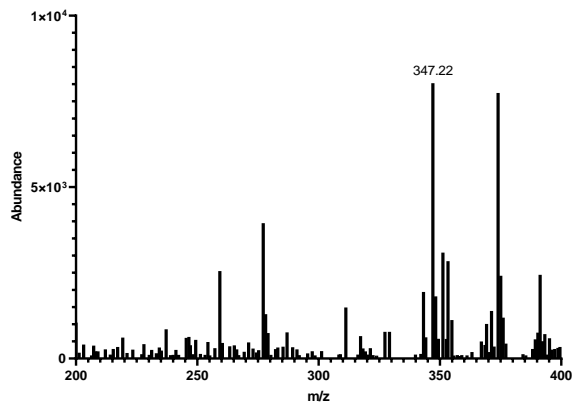


Figure S15. LC-MS chromatogram of the *Cannabis* supernatant extract fraction with: MS (on the right side) and MS/MS (on the left side) spectra of the nineteen annotate compounds reported in the Table 1.

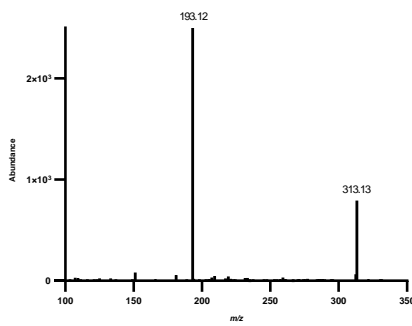
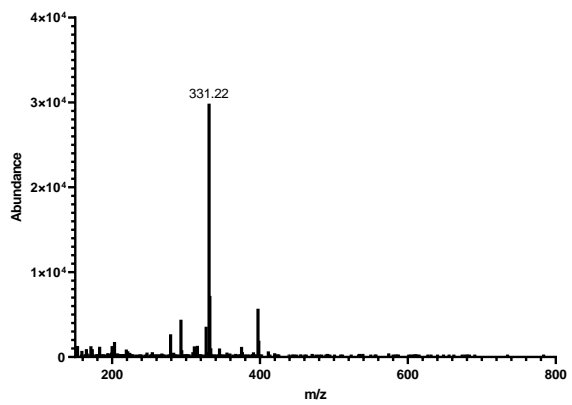




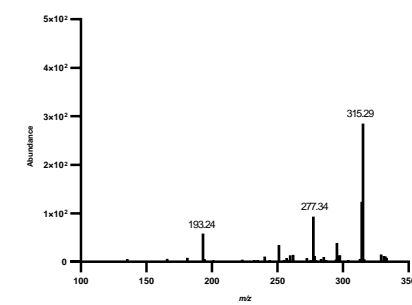
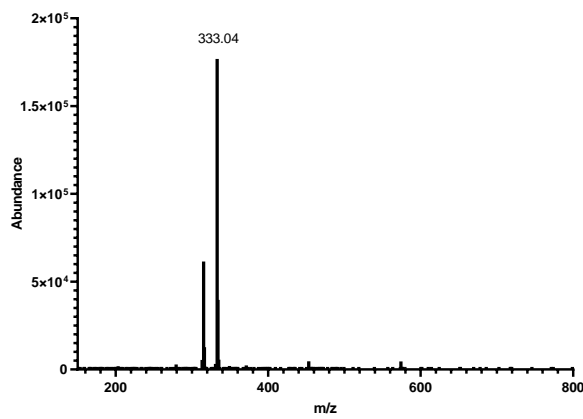
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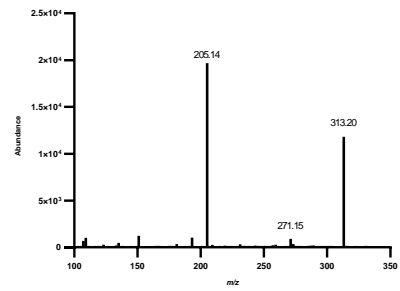
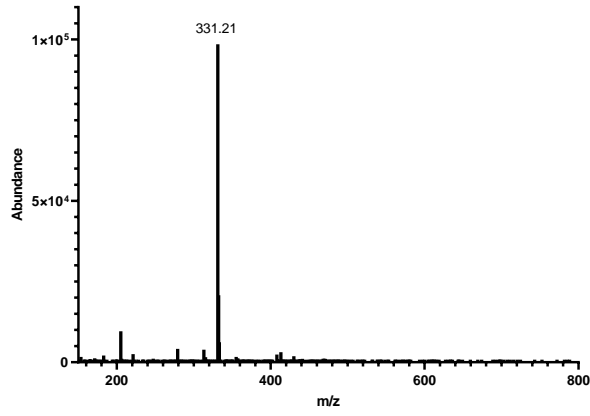
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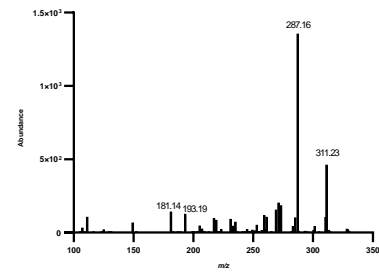
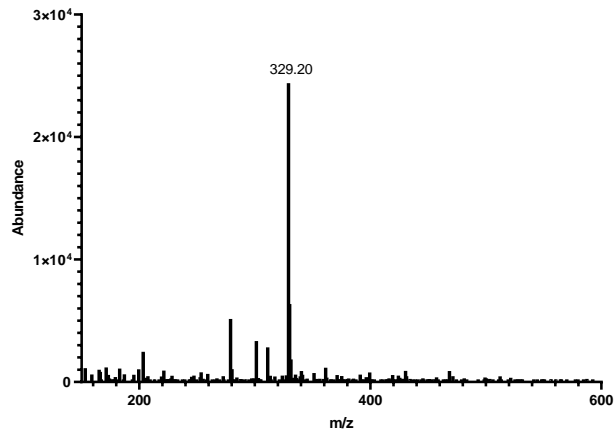
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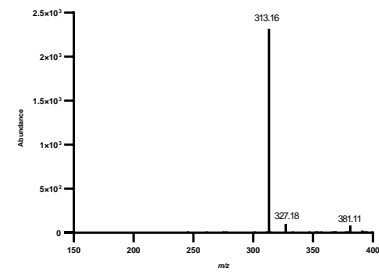
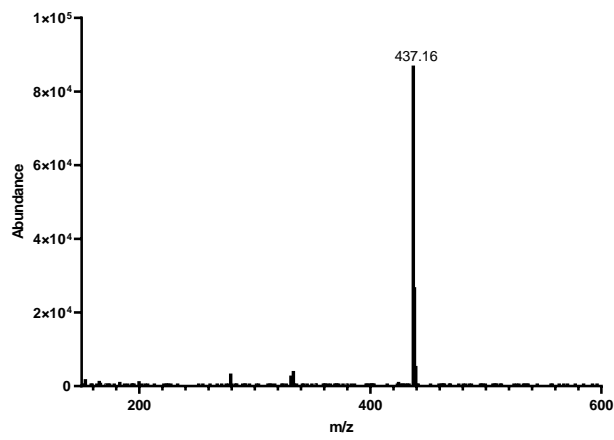
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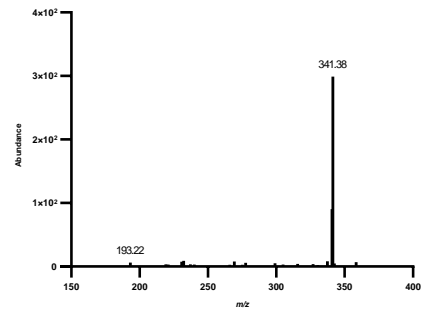
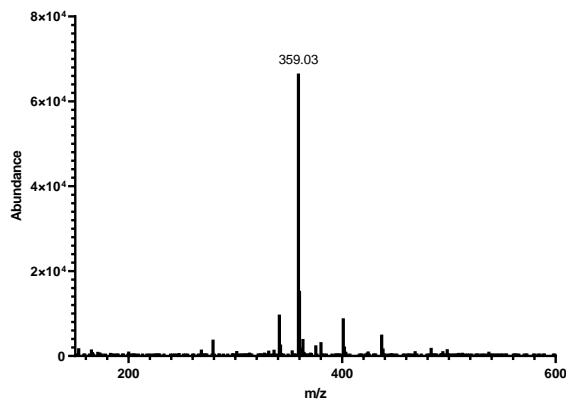
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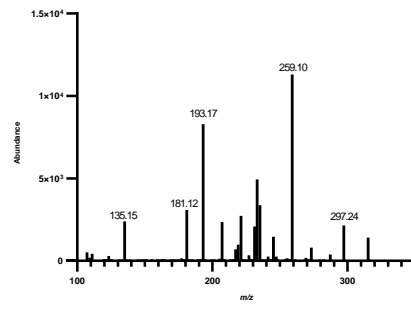
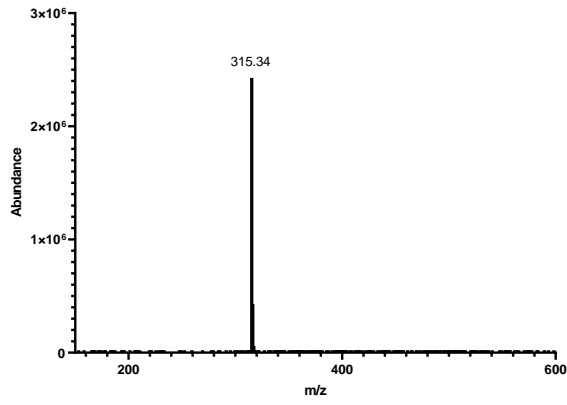
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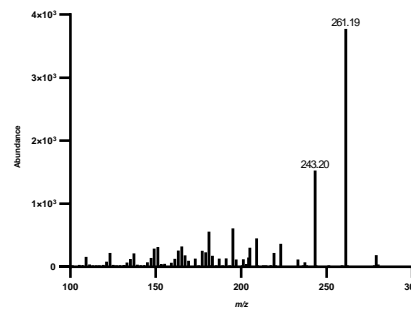
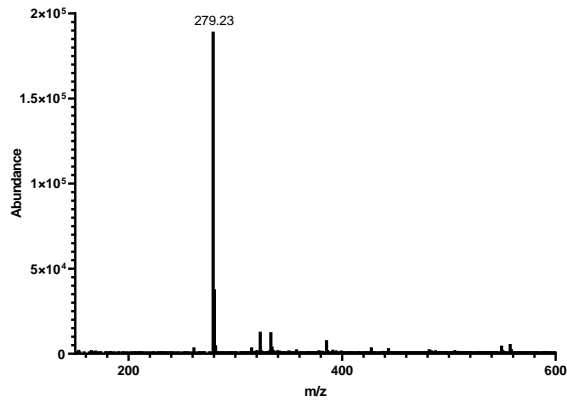
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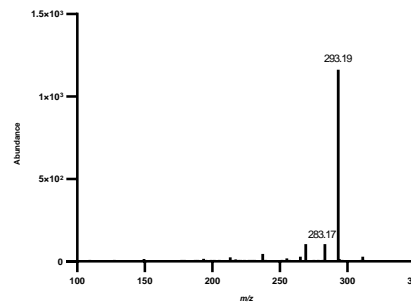
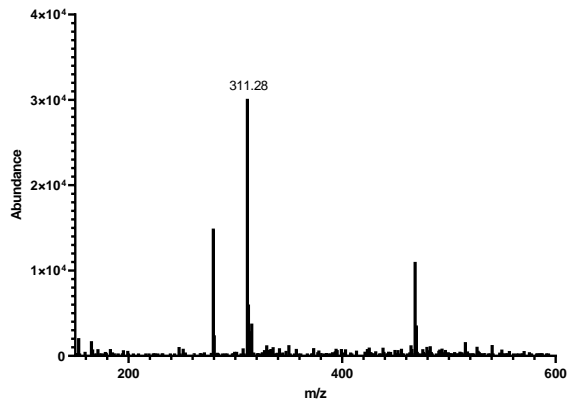
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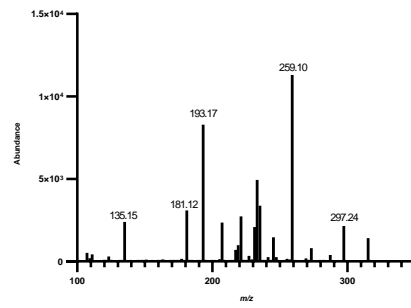
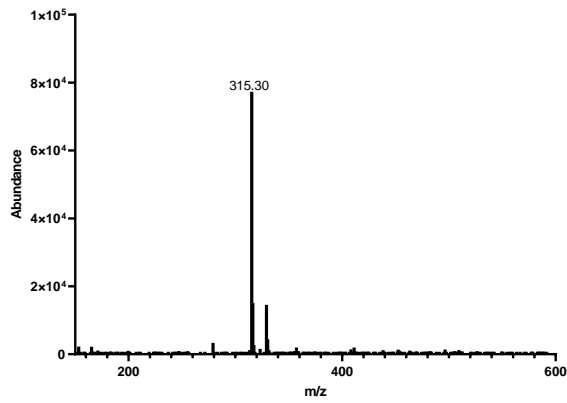
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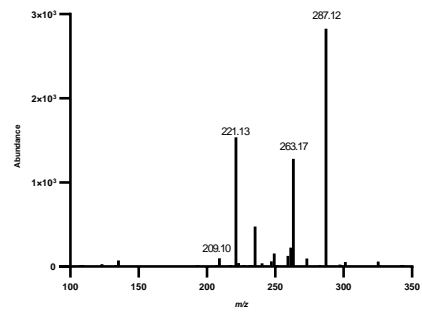
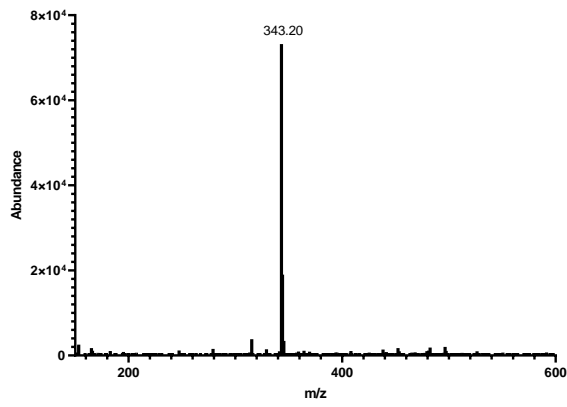
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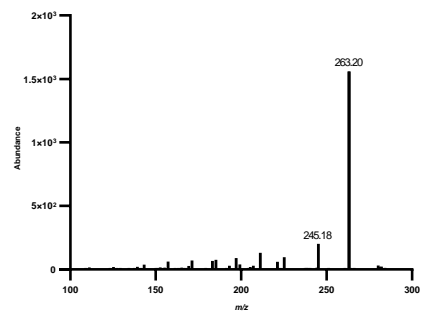
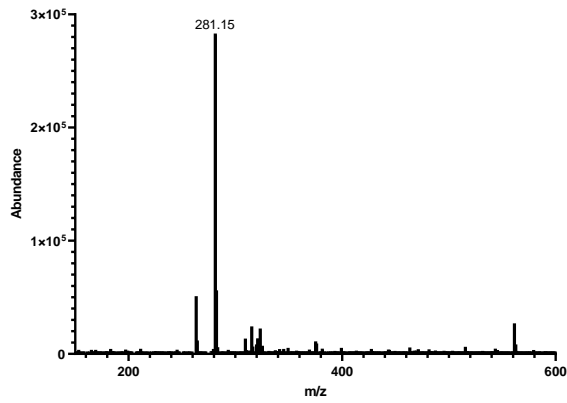
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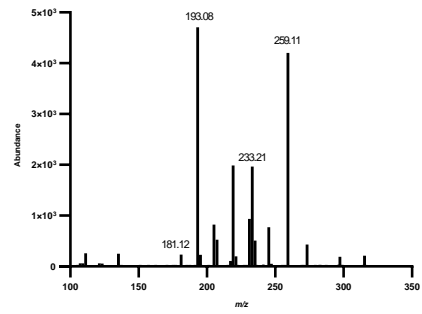
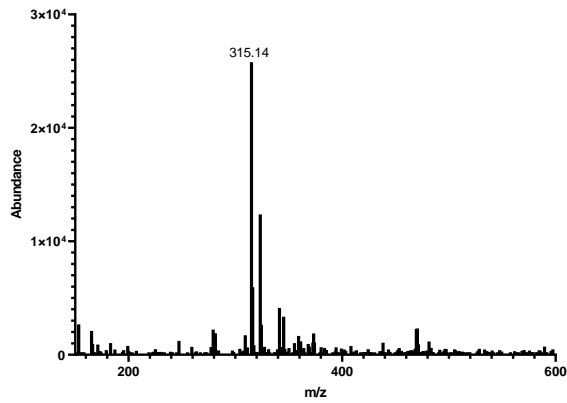
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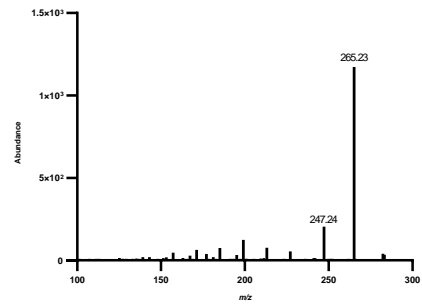
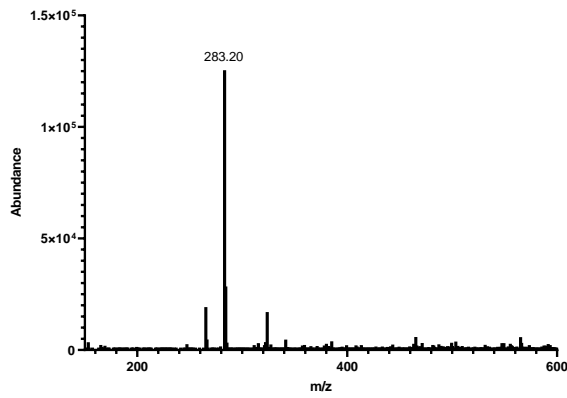
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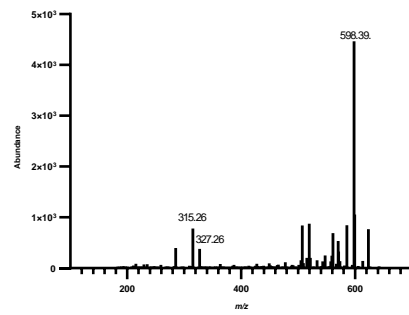
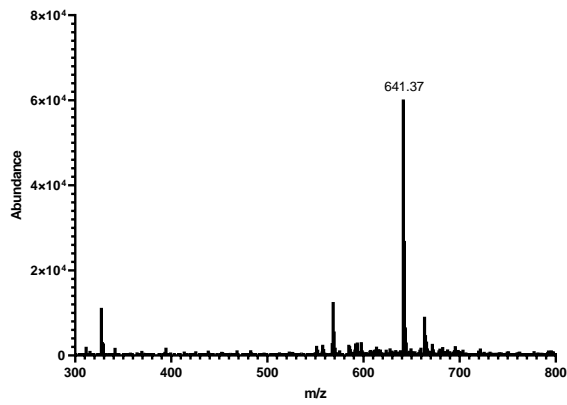
p.



q.



r.



S.