

Supplementary Materials

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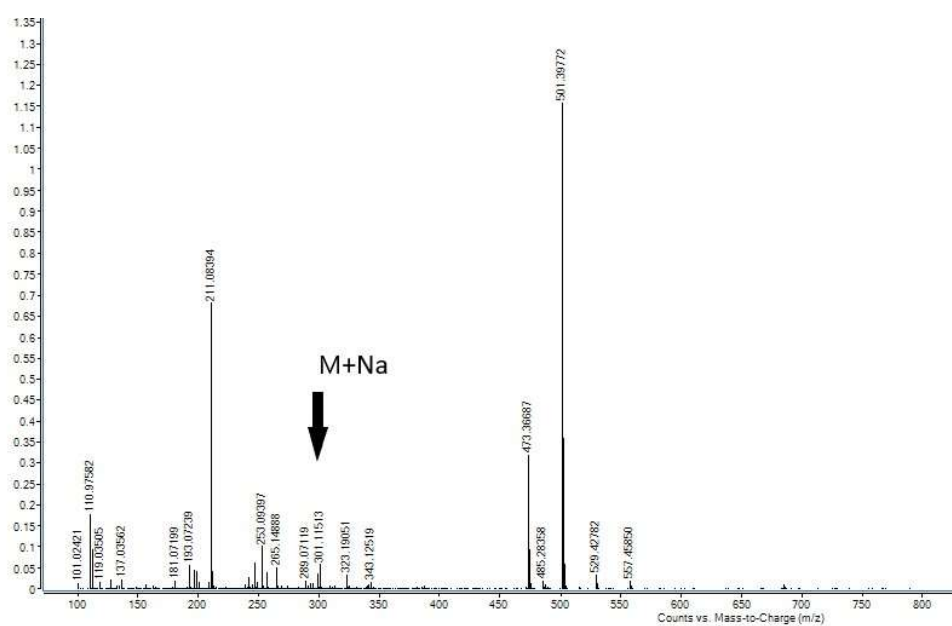


Figure S1: HRESIMS spectrum of compound 1

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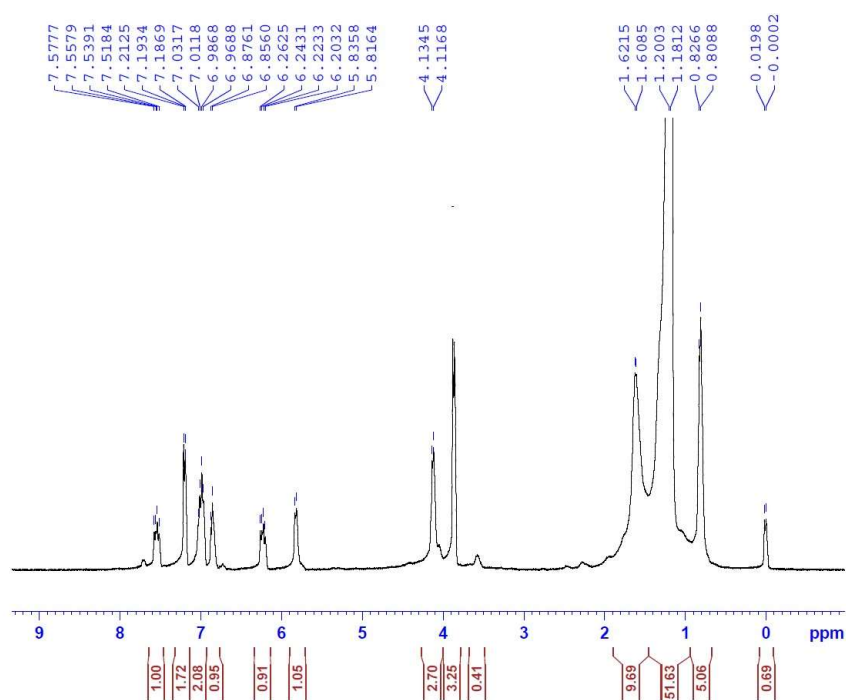


Figure S2: ¹H NMR spectrum of compound GU2

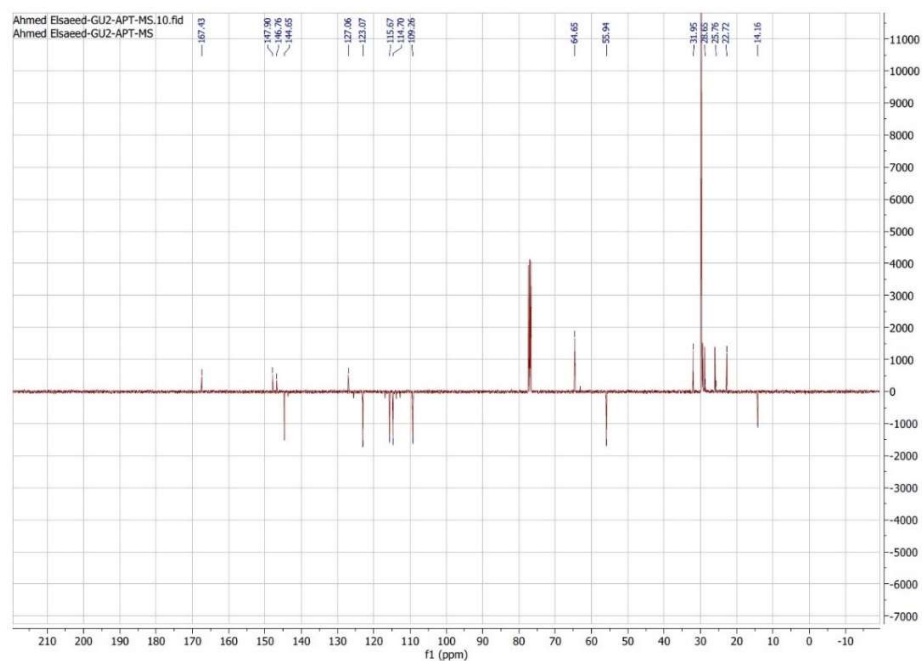


Figure S3: APT Spectrum of compound GU-2

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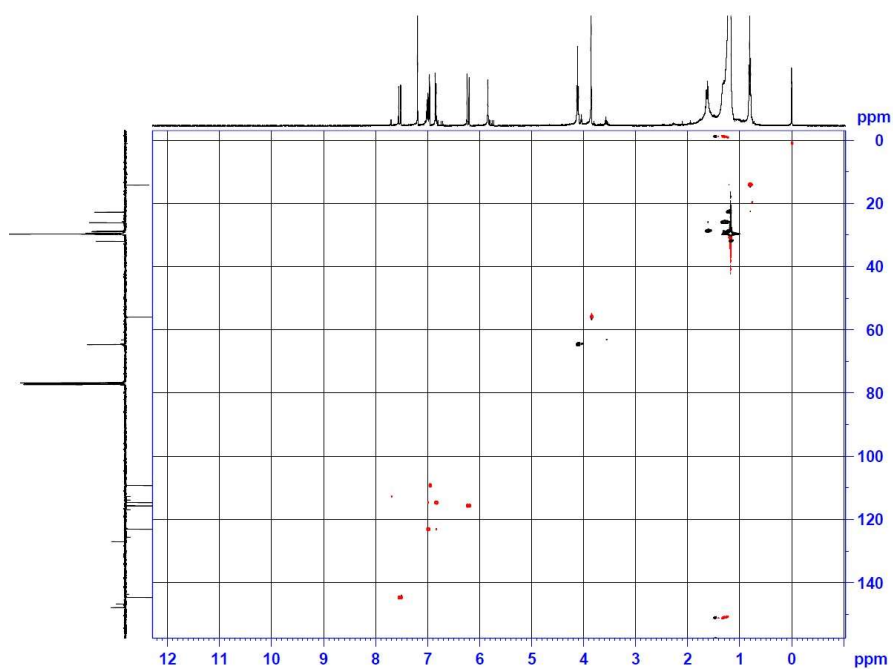


Figure S4: HSQC spectrum of compound GU2

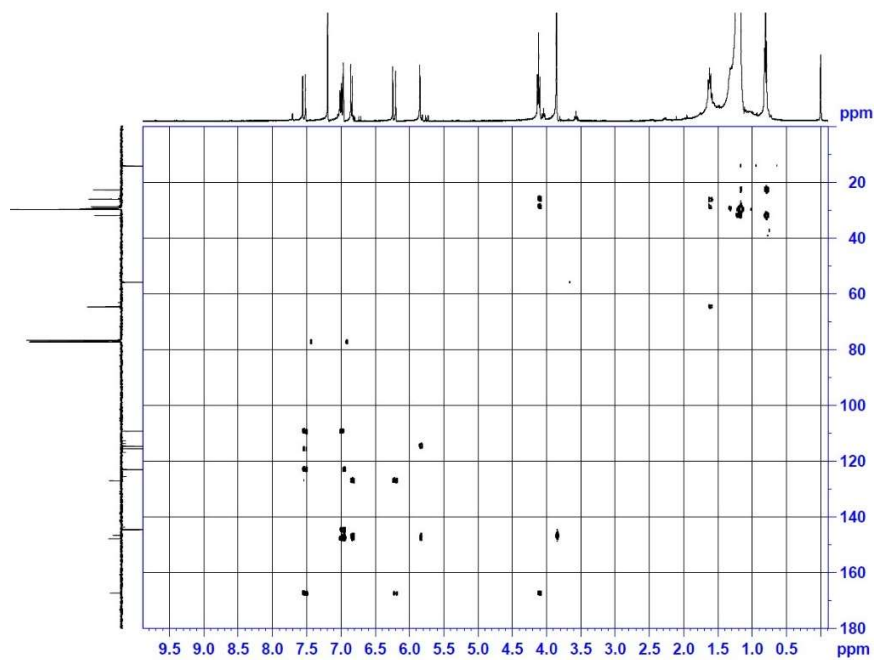


Figure S5: HMBC spectrum of compound GU2

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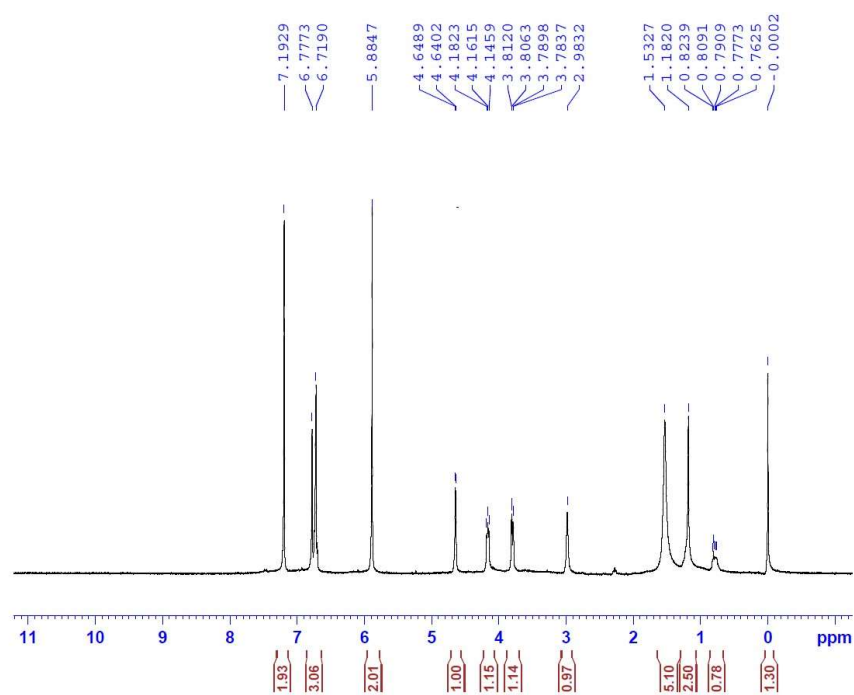


Figure S6: ¹H NMR spectrum of compound GU3

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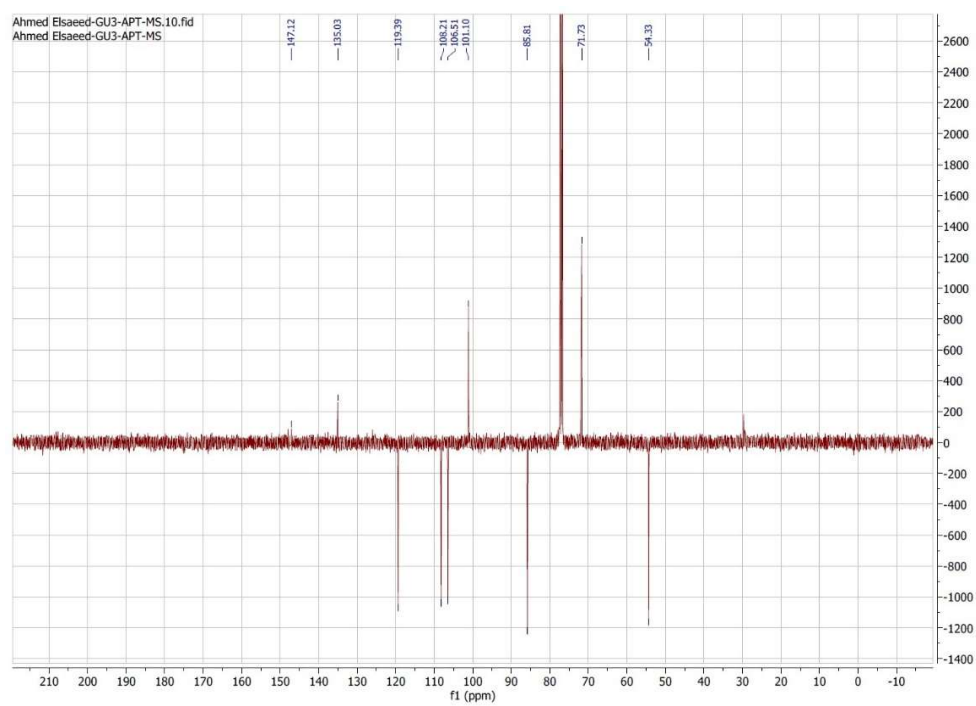


Figure S7: APT Spectrum of compound GU-3

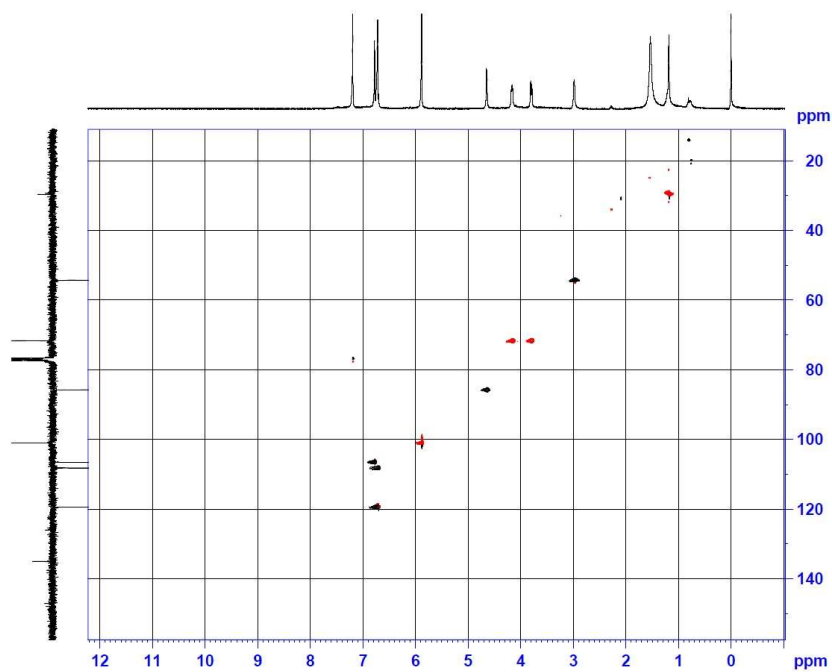


Figure S8: HSQC of compound GU-3

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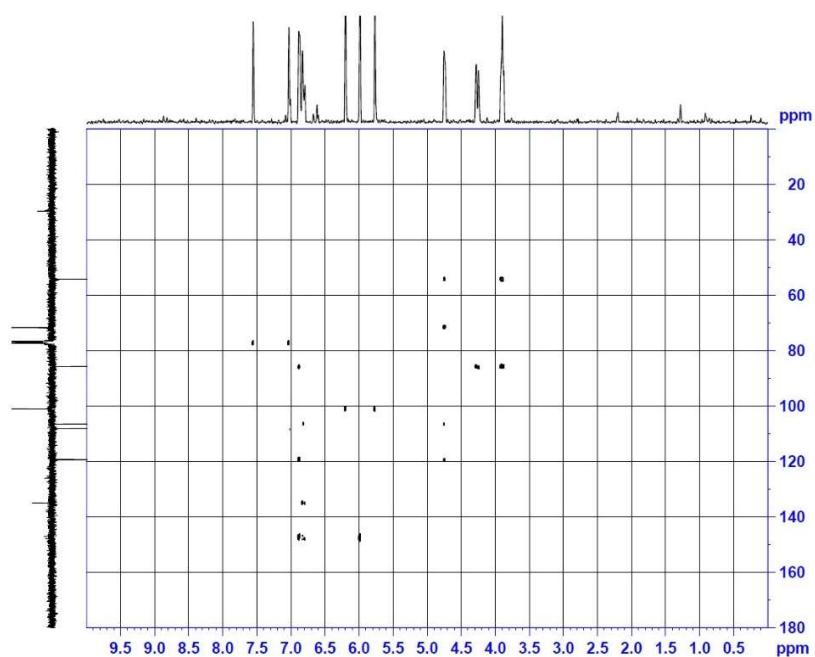


Figure S9: HMBC of compound GU-3

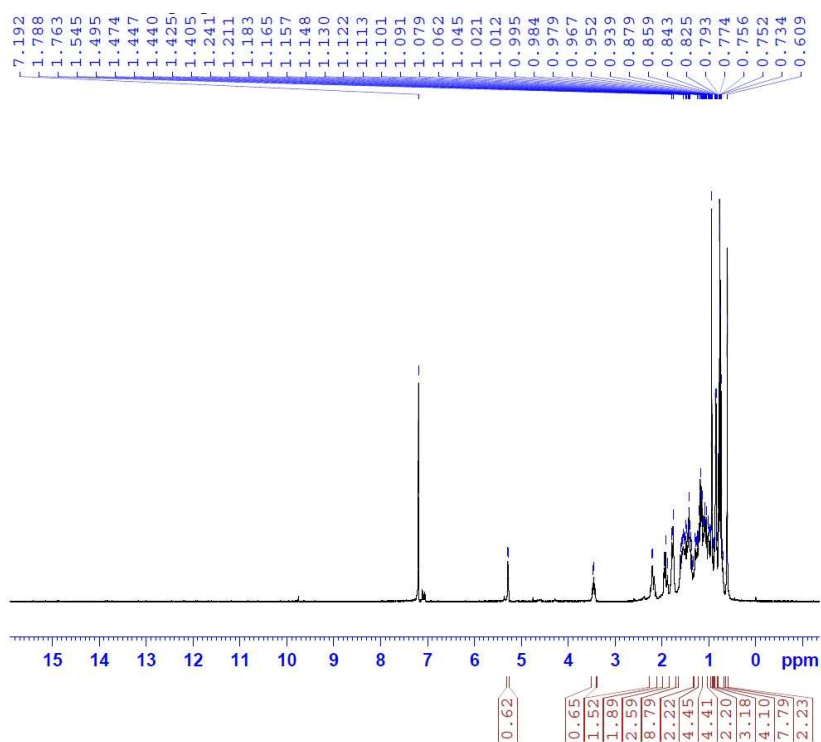


Figure S10: ^1H NMR spectrum of compound 3

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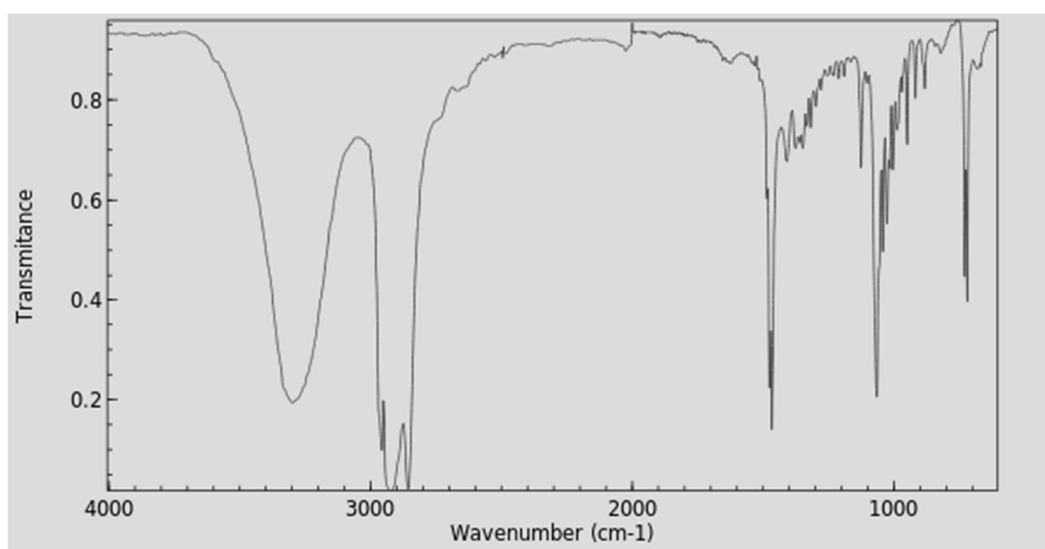


Figure S11: IR spectrum of compound 4 (GC-1)

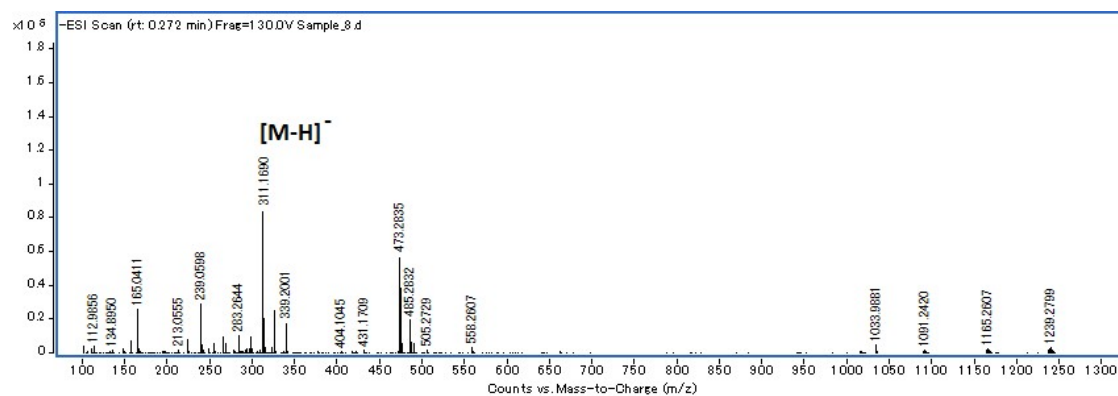


Figure S12: HRESIMS Mass spectrum of compound 4 (GC-1)

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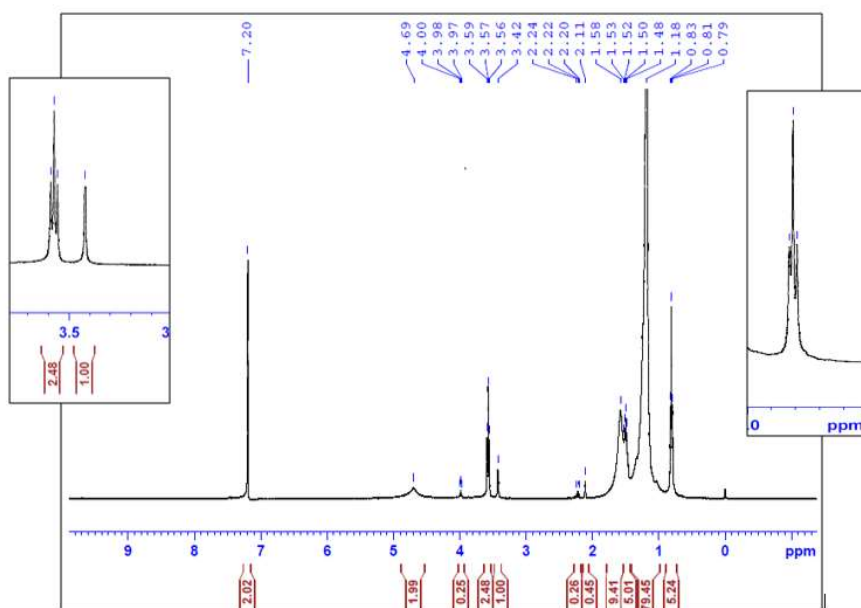


Figure S13: ¹H NMR spectrum of compound 4 (GC 1)

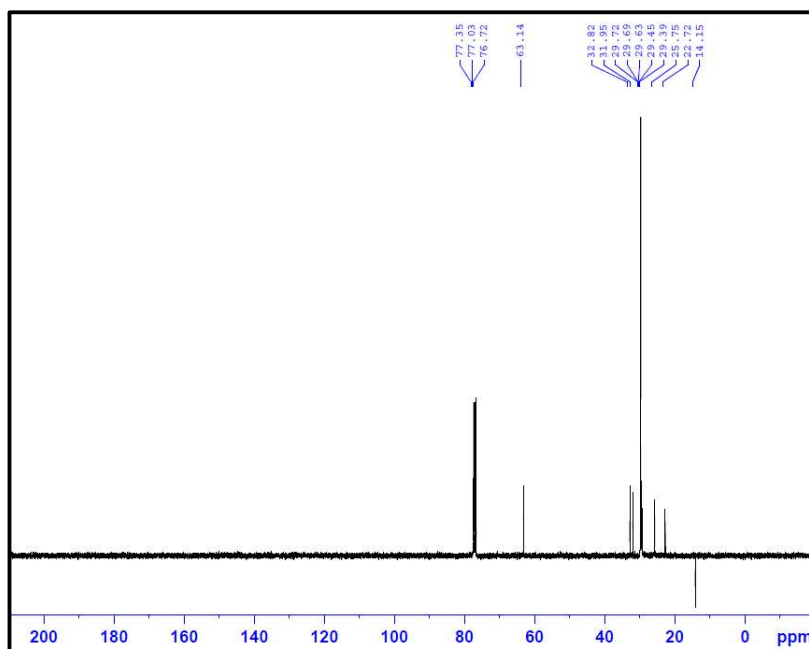


Figure S14: APT spectrum of compound 4 (GC1)

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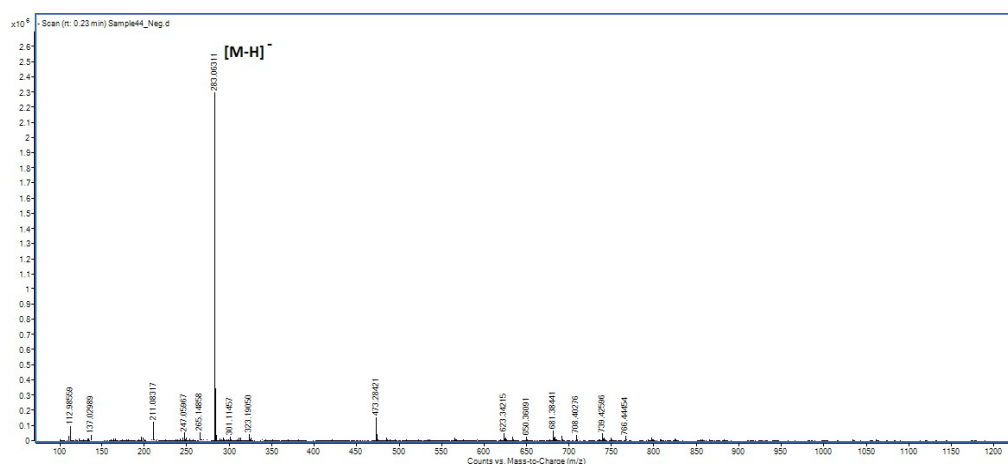


Figure S15: Mass spectrum of compound 5 (GC-2)

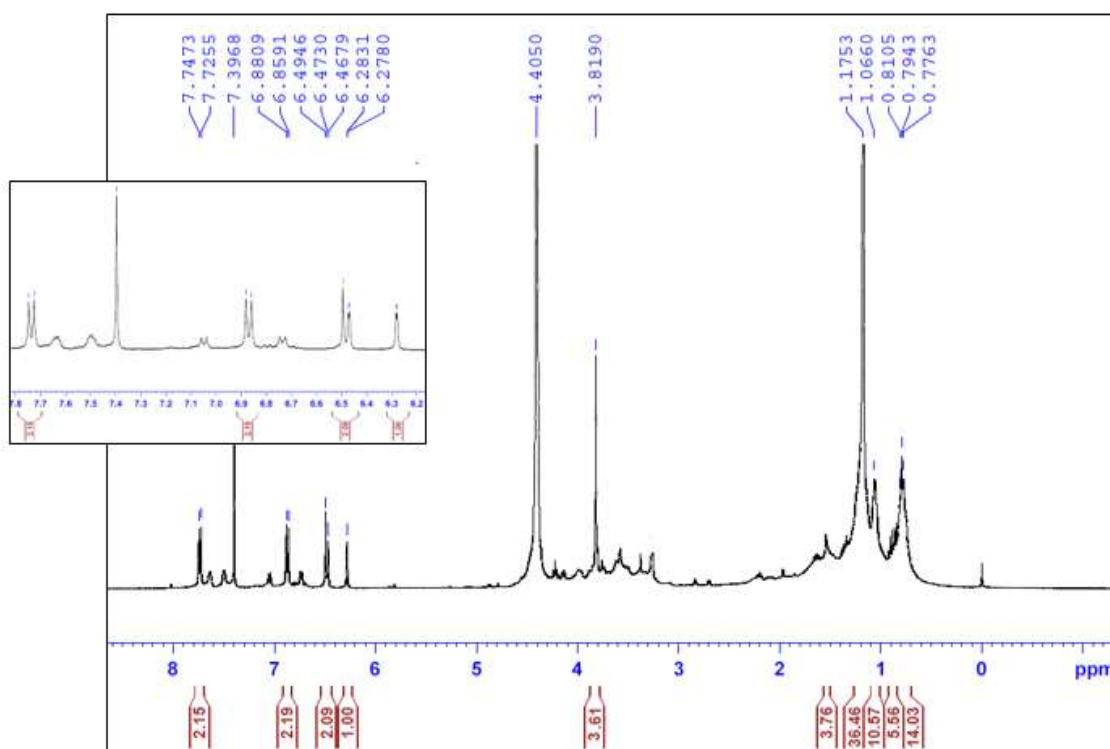


Figure S16: ¹H NMR spectrum of compound 5 (GC 2)

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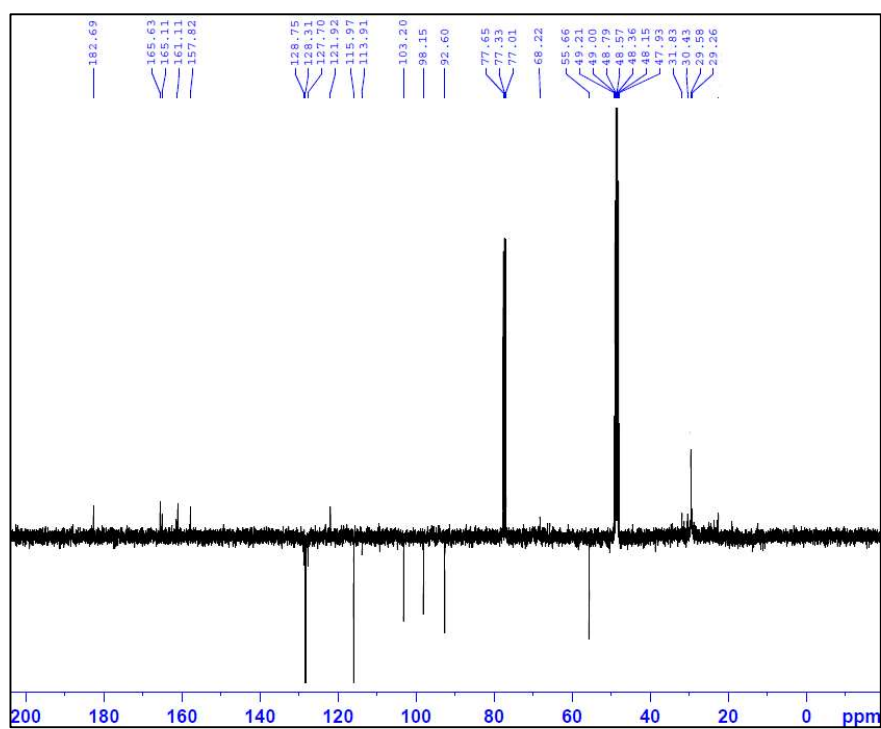


Figure S17: APT spectrum of compound 5 (GC2)

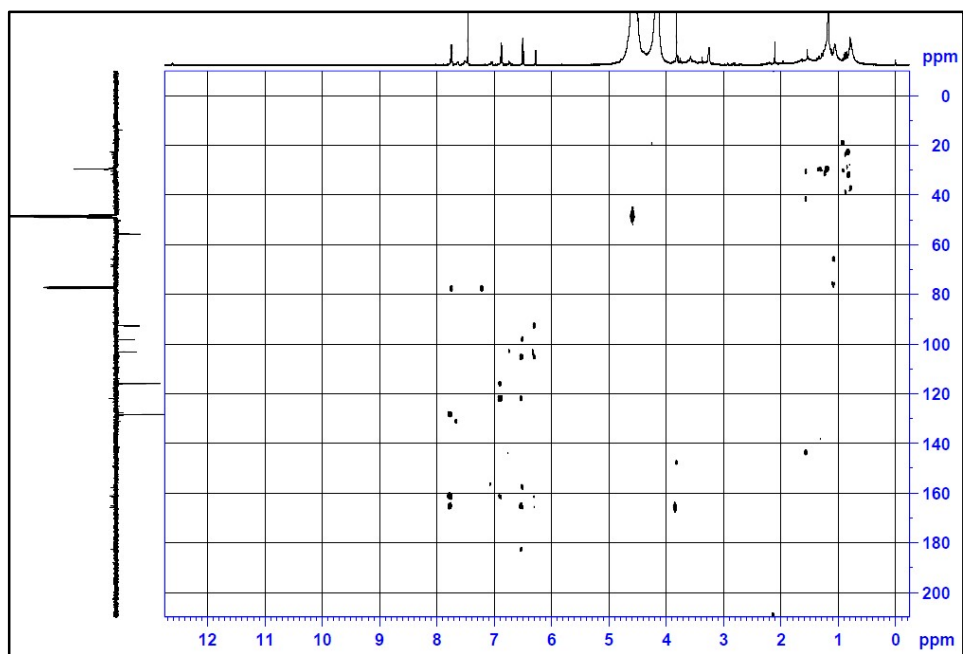


Figure S18: HMBC spectrum of compound 5 (GC2)

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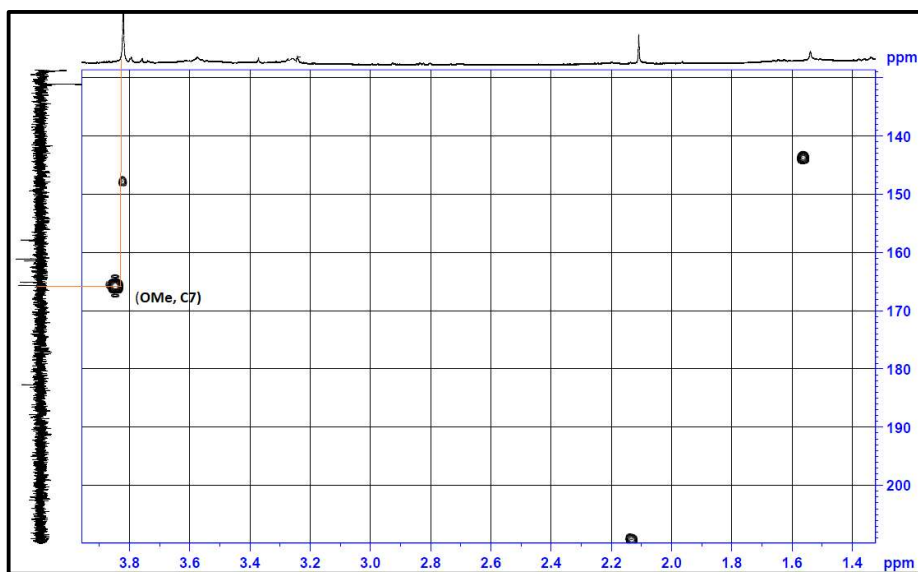


Figure S19: Expansion of HMBC spectrum of compound 5 (GC2)

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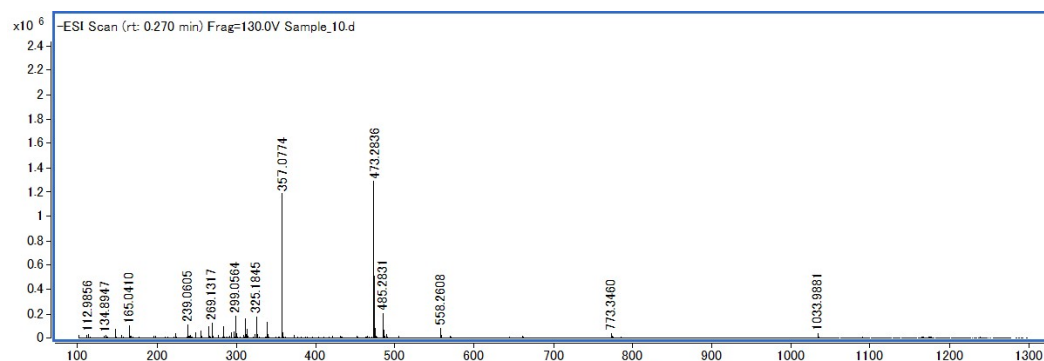


Figure S20: HRESIMS Mass spectrum of compound 6 (GC-3)

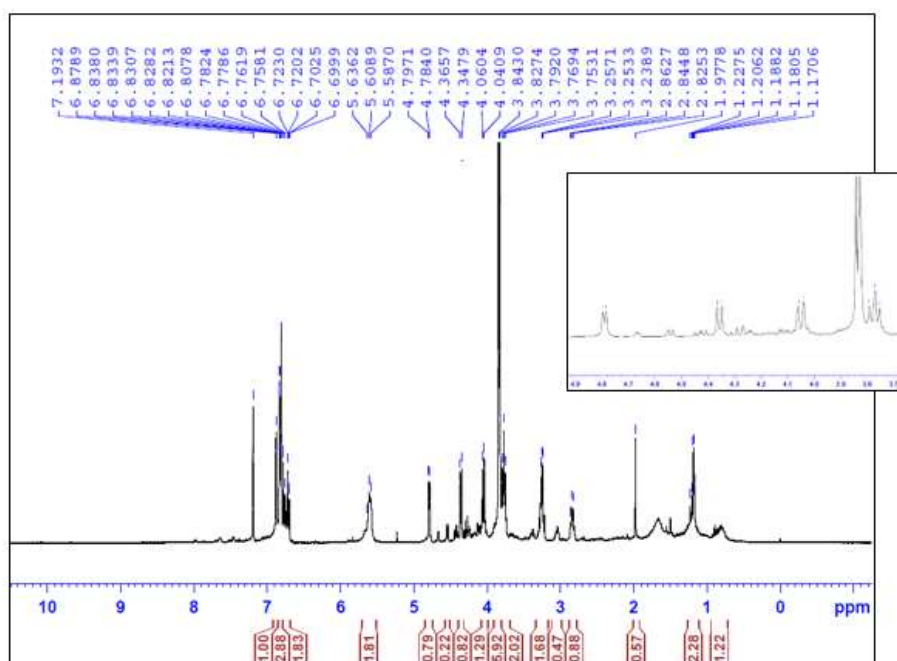


Figure S21: ^1H NMR spectrum of compound 6 (GC 3)

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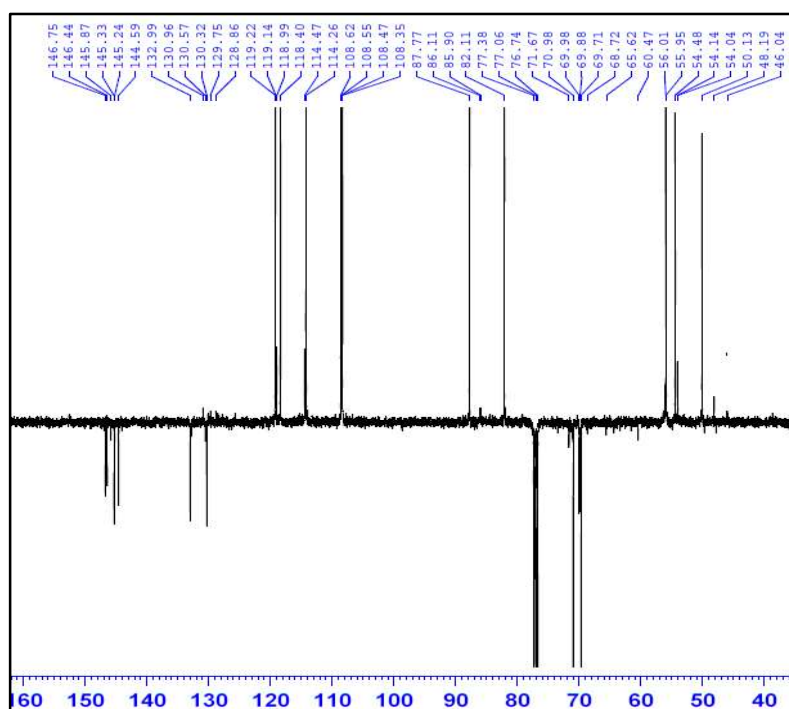


Figure S22: APT spectrum of compound 6 (GC 3)

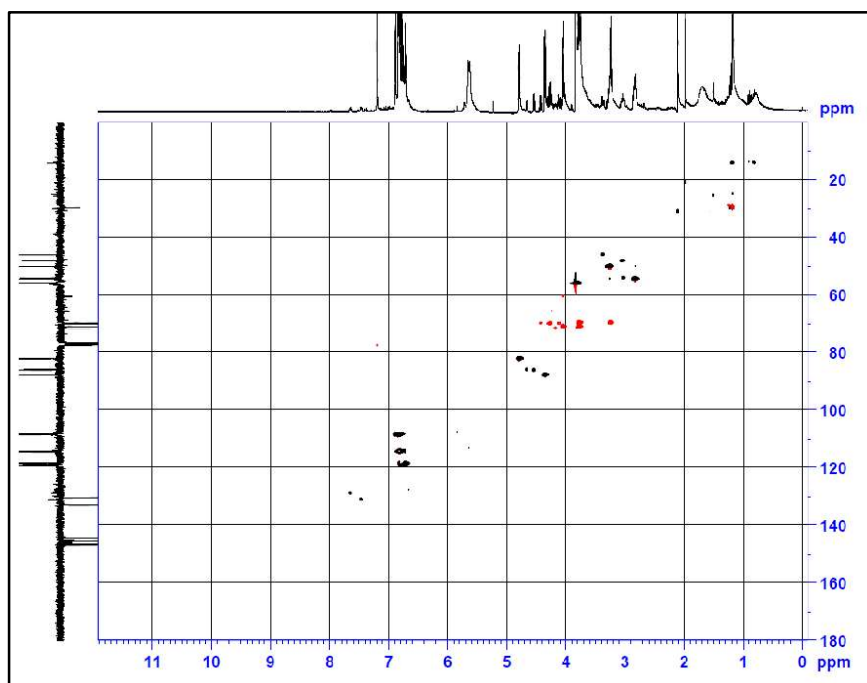


Figure S23: HSQC spectrum of compound 6 (GC 3)

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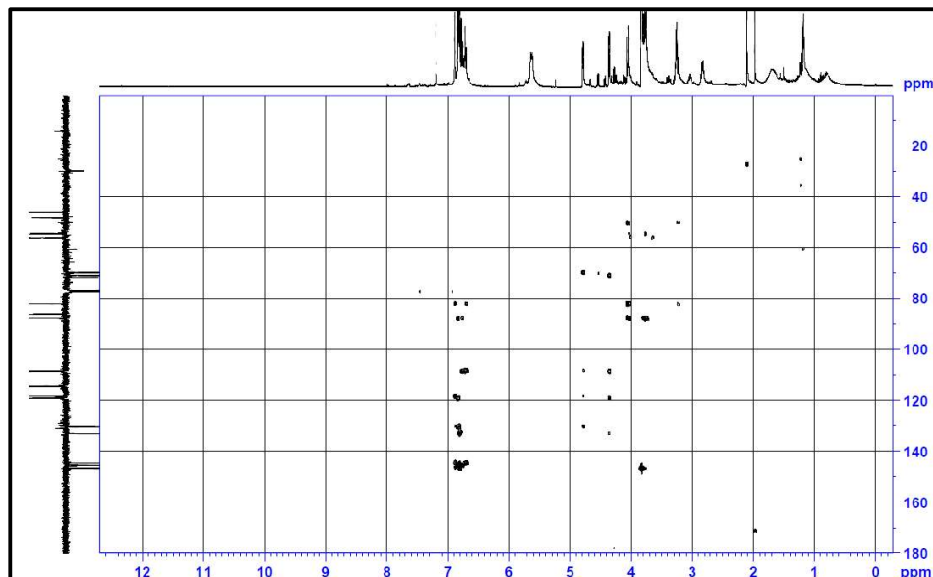


Figure S24: HMBC spectrum of compound 6 (GC 3)

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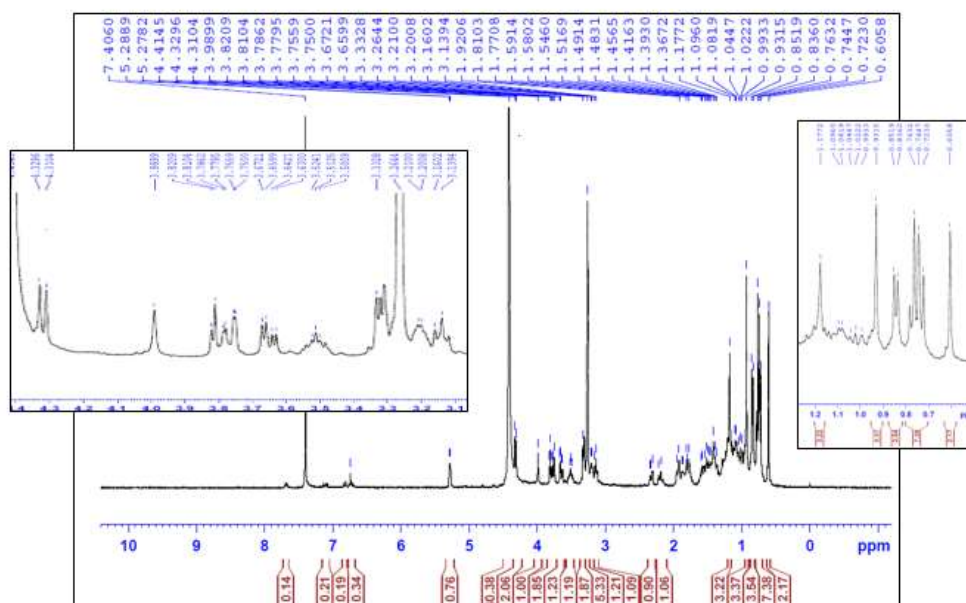


Figure S25: ¹H NMR spectrum of compound 7 (GC 4)

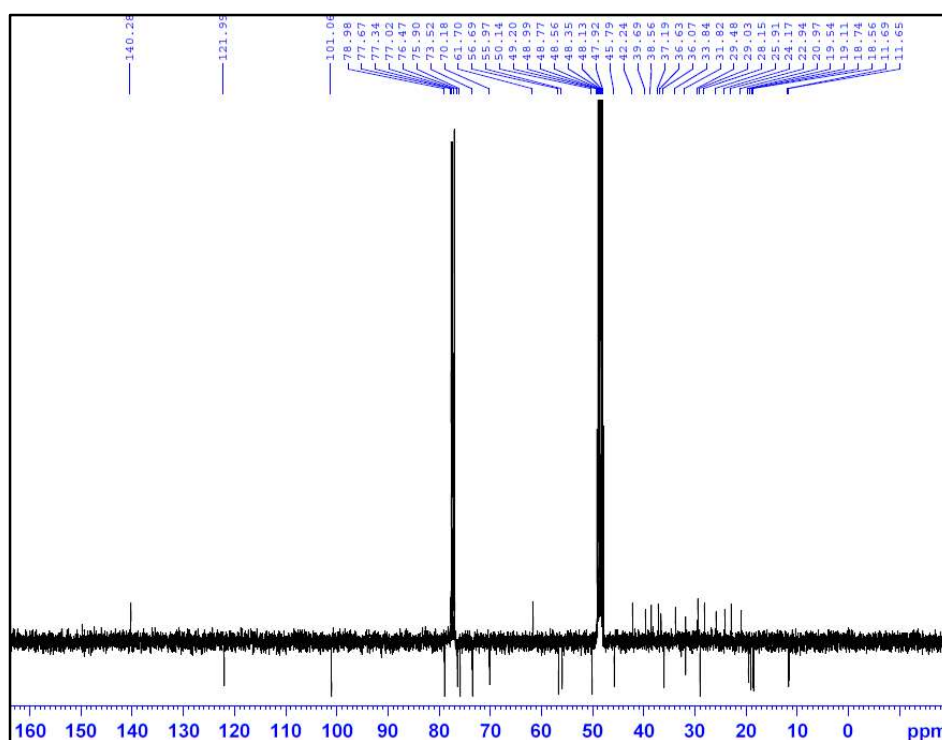


Figure S26: APT spectrum of compound 7 (GC 4)

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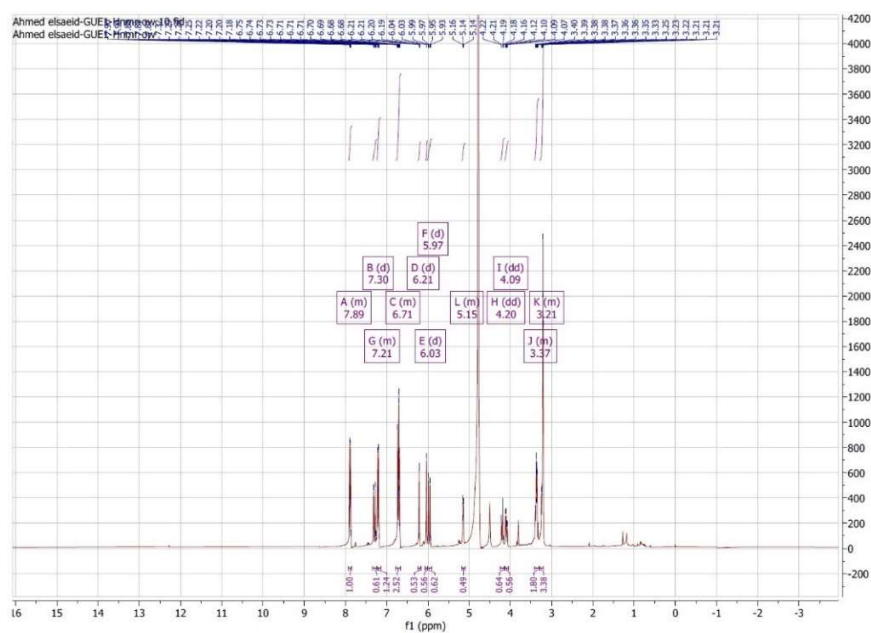


Figure S27: ^1H -NMR spectrum of compound 8 GUE-1

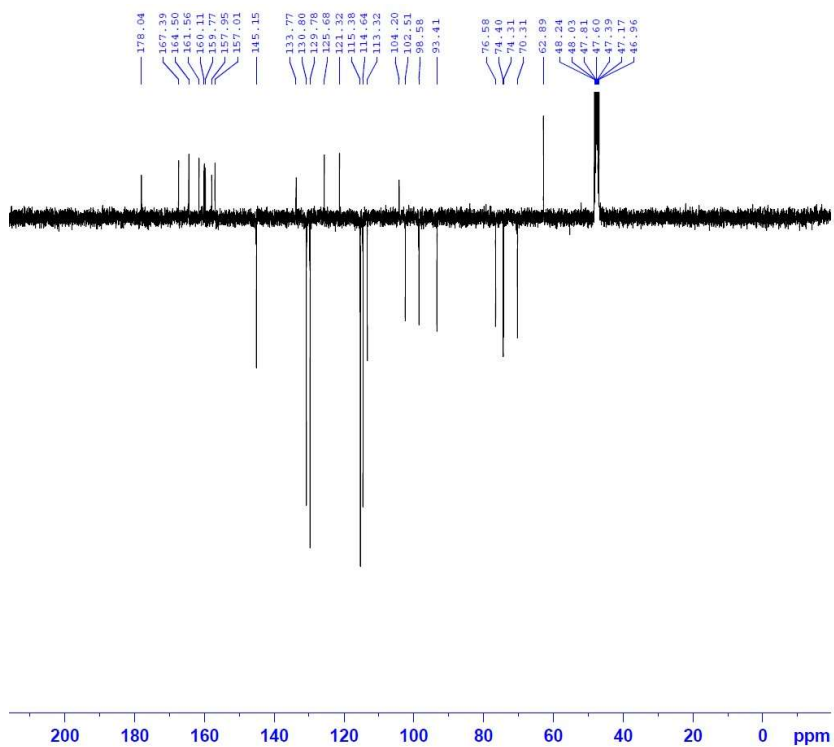


Figure S28: APT spectrum of compound 8 GUE-1

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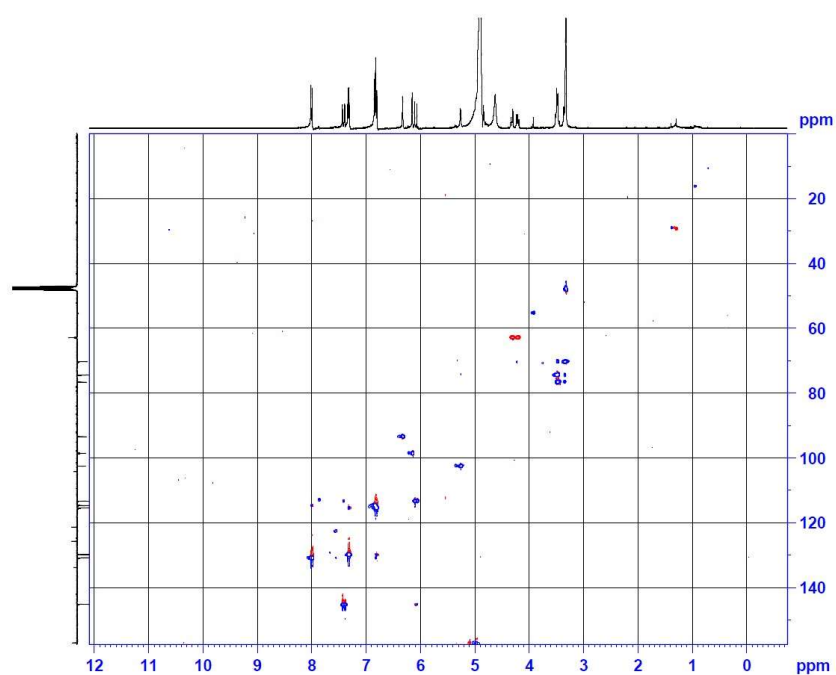


Figure S29: HSQC spectrum of compound 8 GUE-1

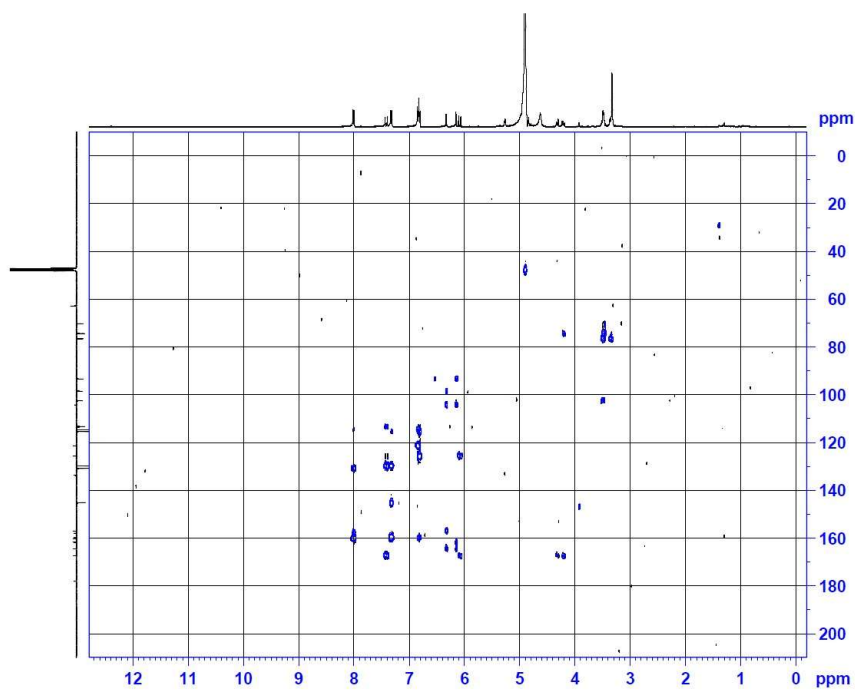
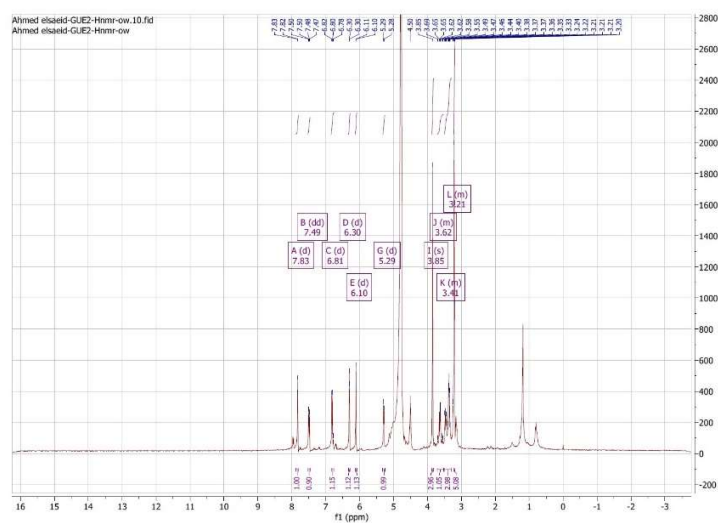


Figure S30: HMBC spectrum of compound 8 GUE-1

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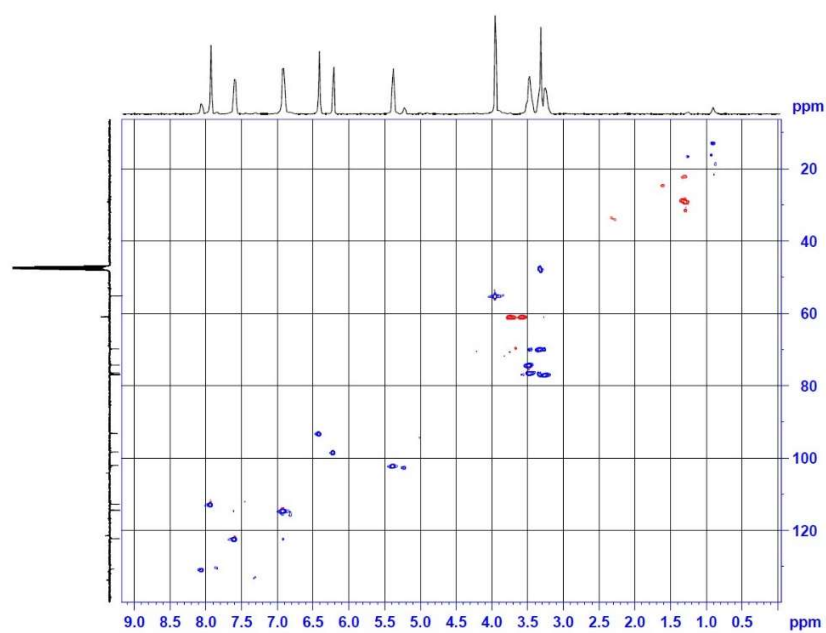


Figure S33: HSQC spectrum of compound 9 GUE2

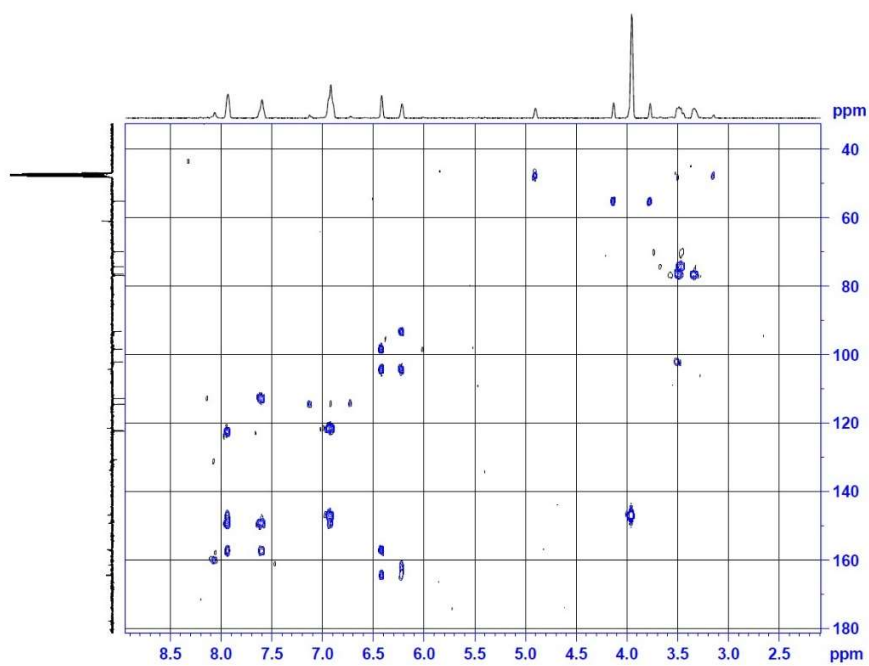


Figure S34: HMBC spectrum of compound 9 GUE2

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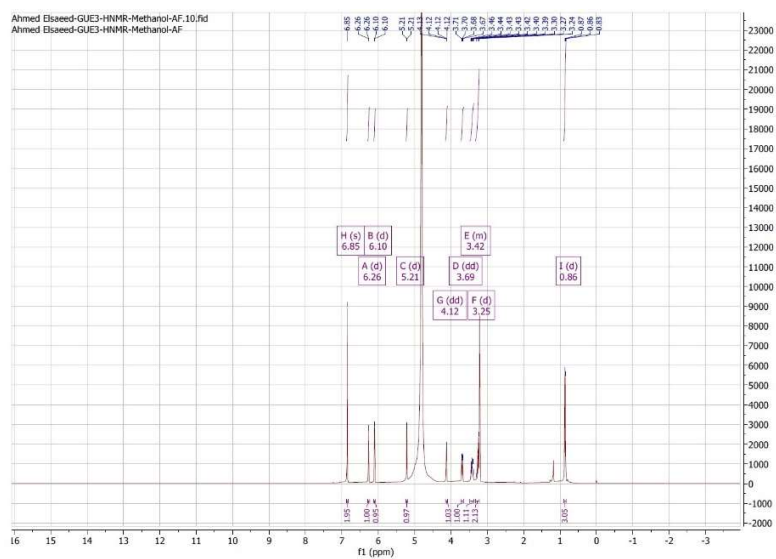


Figure S35: HNMR spectrum of compound 10 GUE3

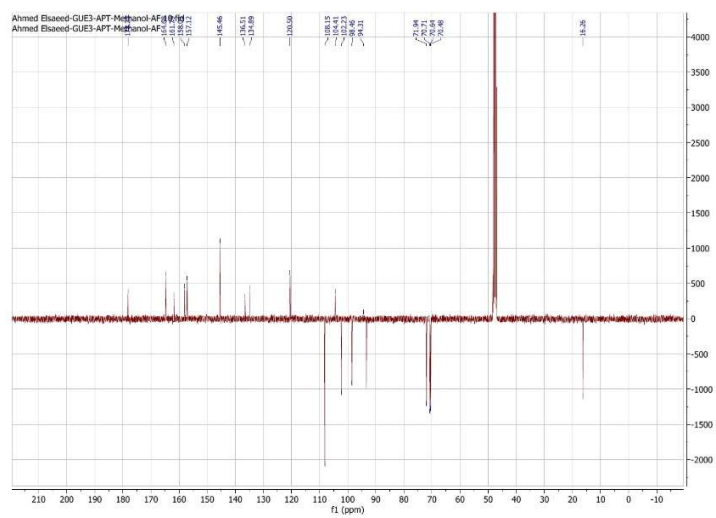


Figure S36: APT spectrum of compound 10 GUE3

Supplementary Materials

The effect of *G. abyssinica* extract and isolated compounds on accuracy of the glucose concentration assay.

Methods

Determination of the effect *G. abyssinica* extract and isolated compounds on accuracy of the glucose concentration assay

The Dinitrosalicylic acid reagent for Determination of glucose was used to assess the effect of tested compounds on the accuracy of glucose concentration assay of glucose. Briefly, 100 μ L of DNS reagent was added to 150 μ L of standard glucose (100 mM) and 150 μ L of sample (2 mg/mL), was boiled at 100 °C for 5 min, then cooled to room temperature. A sodium sulfate (100 μ L; 0.5% w/v) was added to obtain stable color. Absorbance of reaction mixtures was measured spectrophotometrically at 540 nm (Spectro UV–VIS Auto, UV2602, Labomed, USA). Sample in mixture without test compounds or extracts were included as negative control [33].

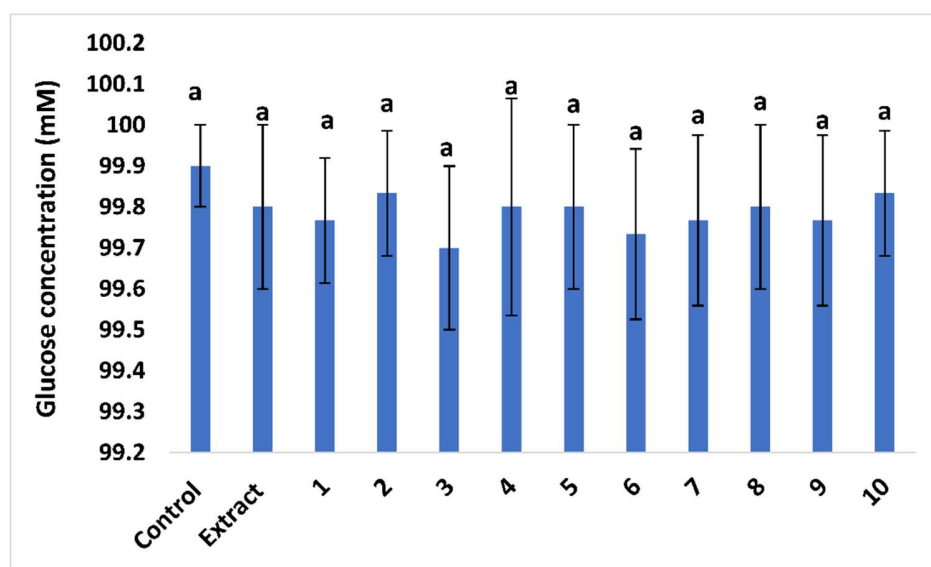


Figure S37. The effect of *G. abyssinica* extract and isolated compounds on accuracy of the glucose concentration assay. lower cases show statistical significance ($p < 0.05$)