

Investigation of Antioxidant, in Silico and in Vivo Antiulcer activities of New Natural Xanthenone and Antracenone Isolated from *Tricholaena teneriffae* L. Roots

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Supplementary Materials: Spectroscopic Characterization and HRESIMS Data for Compounds HK1 and HK2

Compound 1 (HK1): 11-hydroxy-12H-benzo[a]xanthen-12-one

Figure S1: HRESIMS Data (Positive mode) of compound 1.

Figure S2: UV-Vis spectrum in CH₂Cl₂ of compound 1.

Figure S3: FT-IR Spectrum of compound 1.

Figure S4: ¹H NMR spectrum (400 MHz, CDCl₃) of compound 1.

Figure S5: ¹³C NMR (100 MHz, CDCl₃) of compound 1.

Figure S6: DEPT spectrum of compound 1.

Figure S7: HSQC spectrum of compound 1.

Figure S8: HMBC spectrum of compound 1.

Figure S9: H-H COSY spectrum of compound 1.

Compound 2 (HK2): 6-hydroxy-3-methoxy-7H-benzo[de]anthracen-7-one.

Figure S10: HRESIMS Data (Positive mode) of compound 2.

Figure S11: UV-Vis spectrum in CH₂Cl₂ of compound 2.

Figure S12: FT-IR Spectrum of compound 2.

Figure S13: ¹³C NMR (100 MHz, CDCl₃) of compound 2

Figure S14: DEPT spectrum of compound 2.

Figure S15: HSQC spectrum of compound 2.

Figure S16: ¹H NMR spectrum (400 MHz, CDCl₃) of compound 2.

Figure S17: H-H COSY spectrum of compound 2.

Figure S18: HMBC spectrum of compound 2.

Figure S1

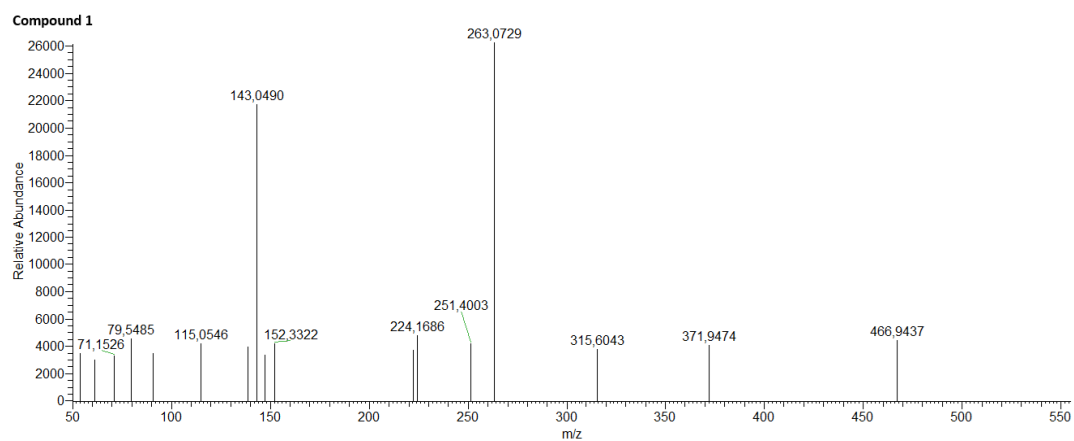


Figure S2

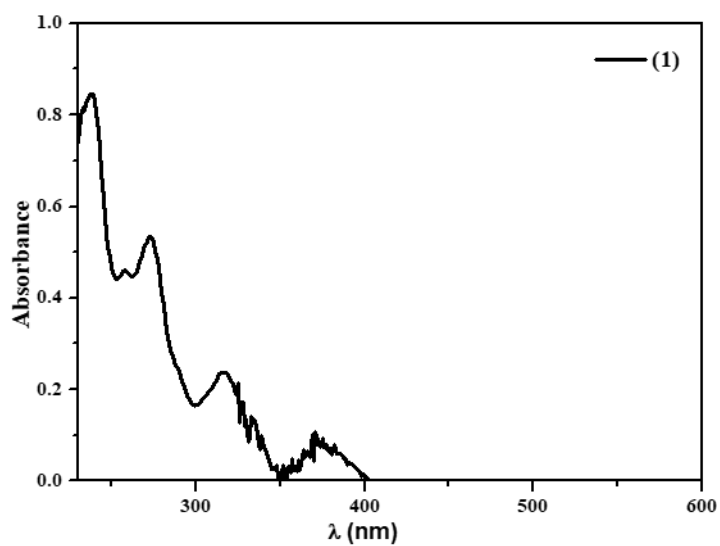


Figure S3

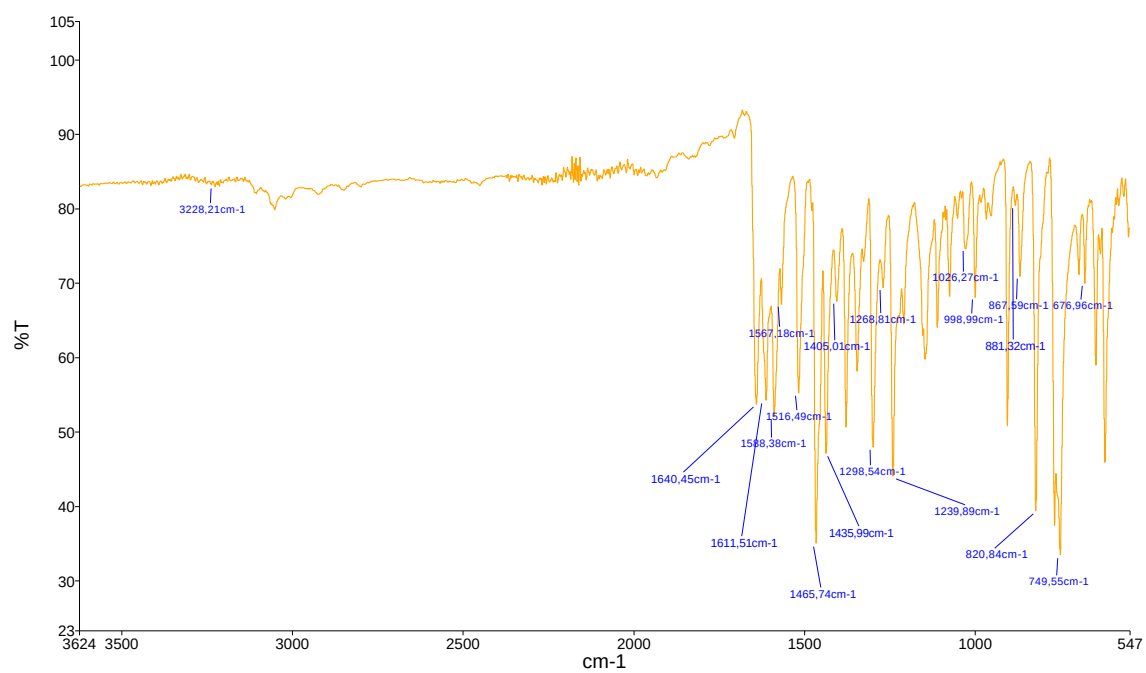


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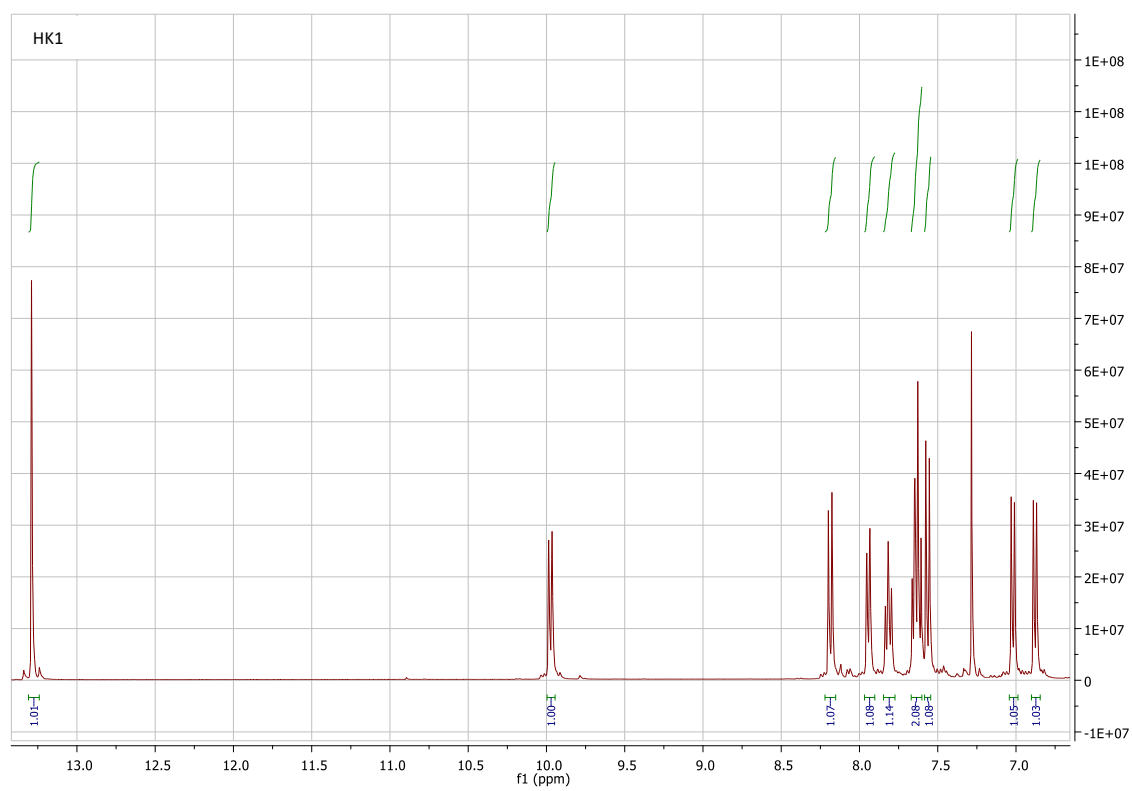
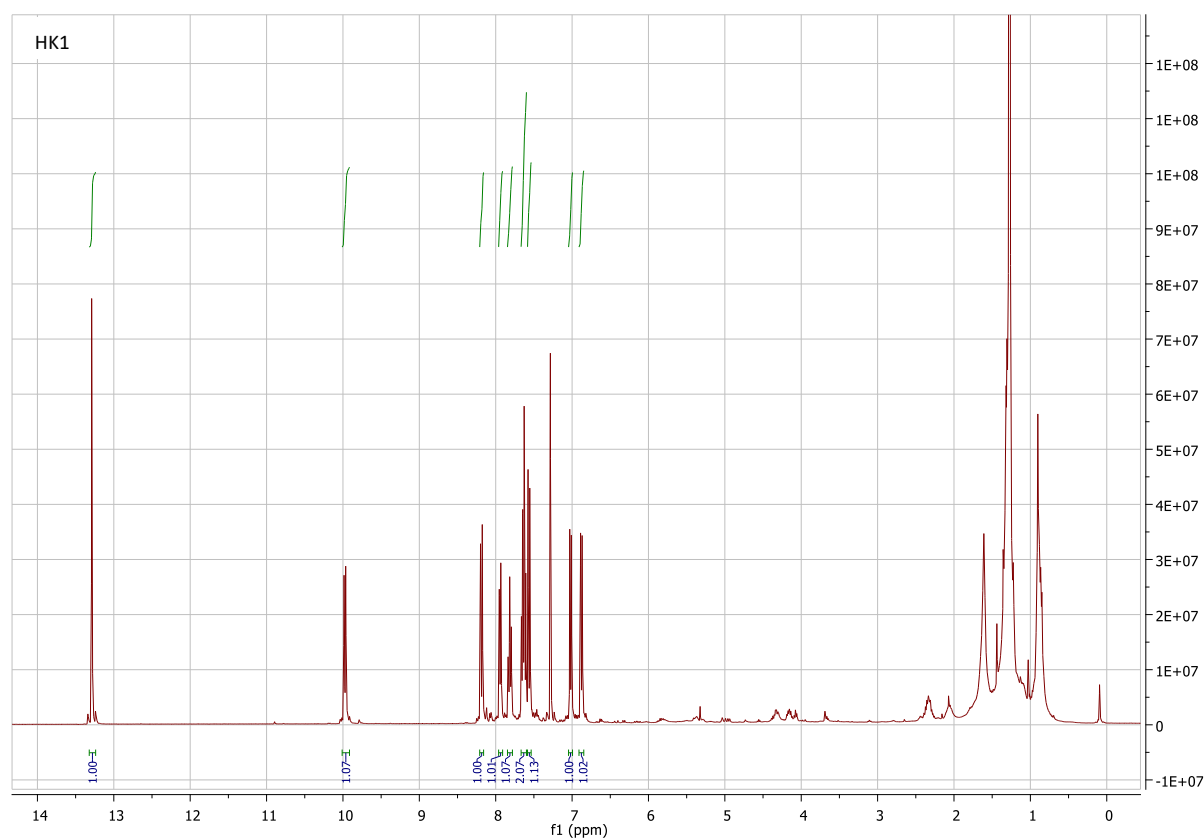


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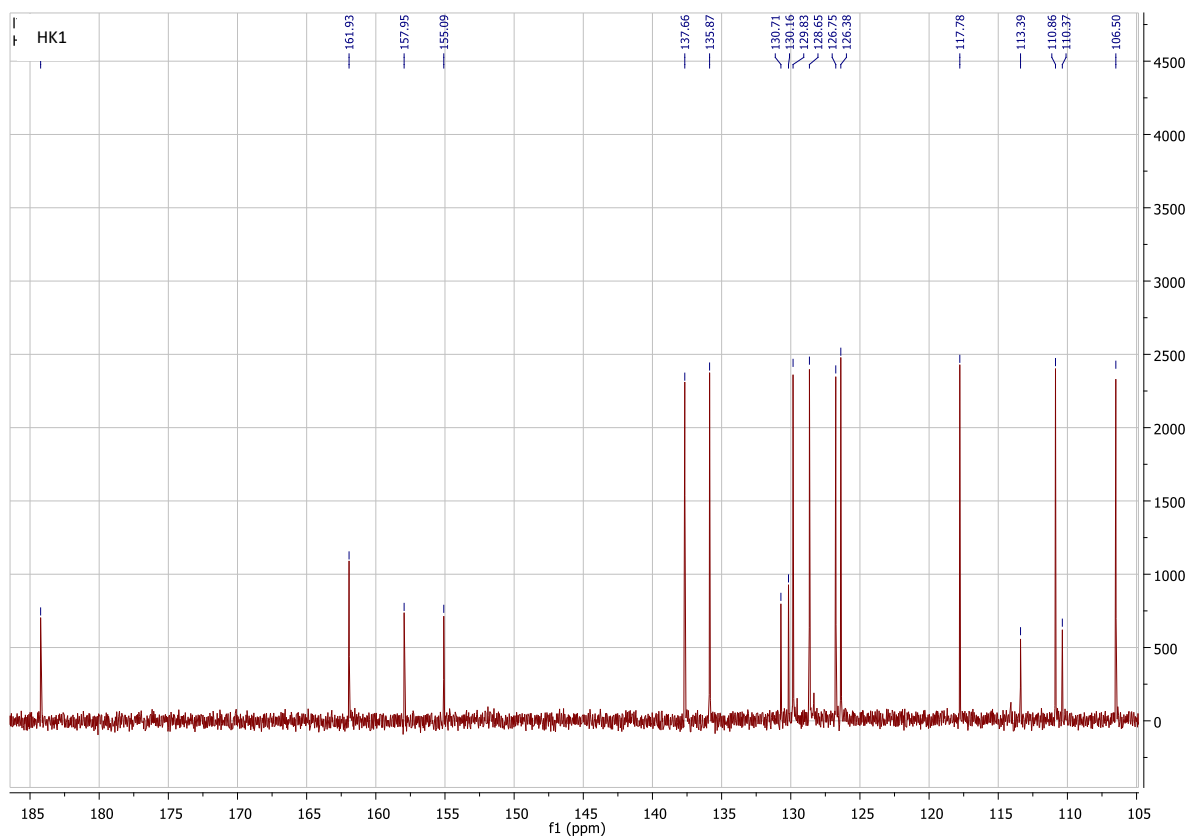
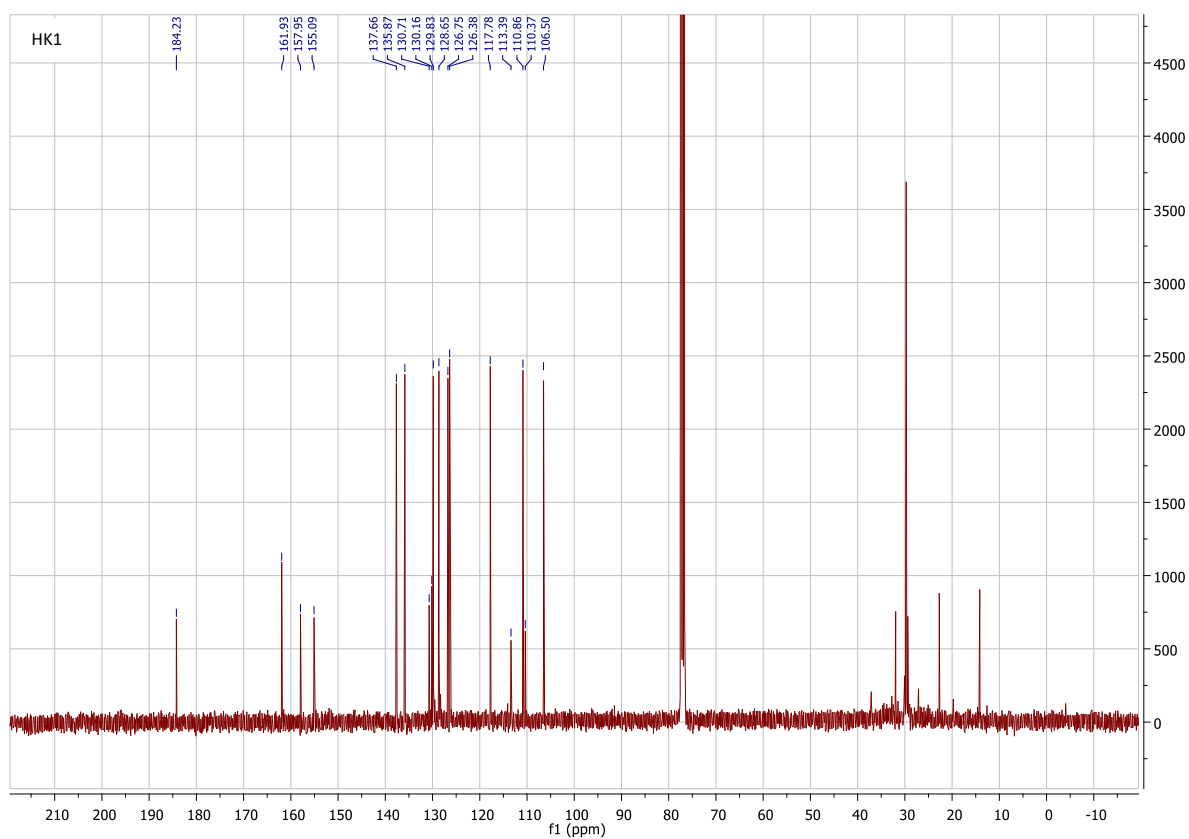


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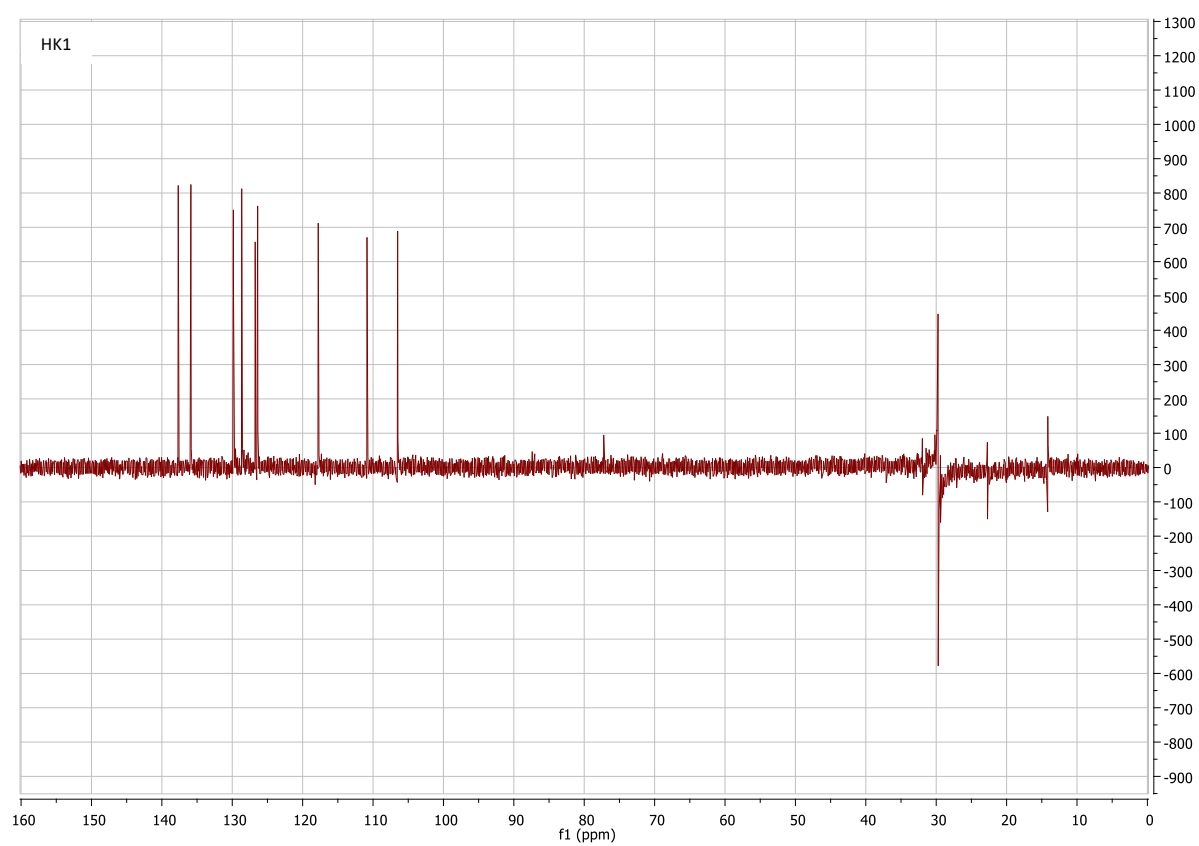


Figure S7

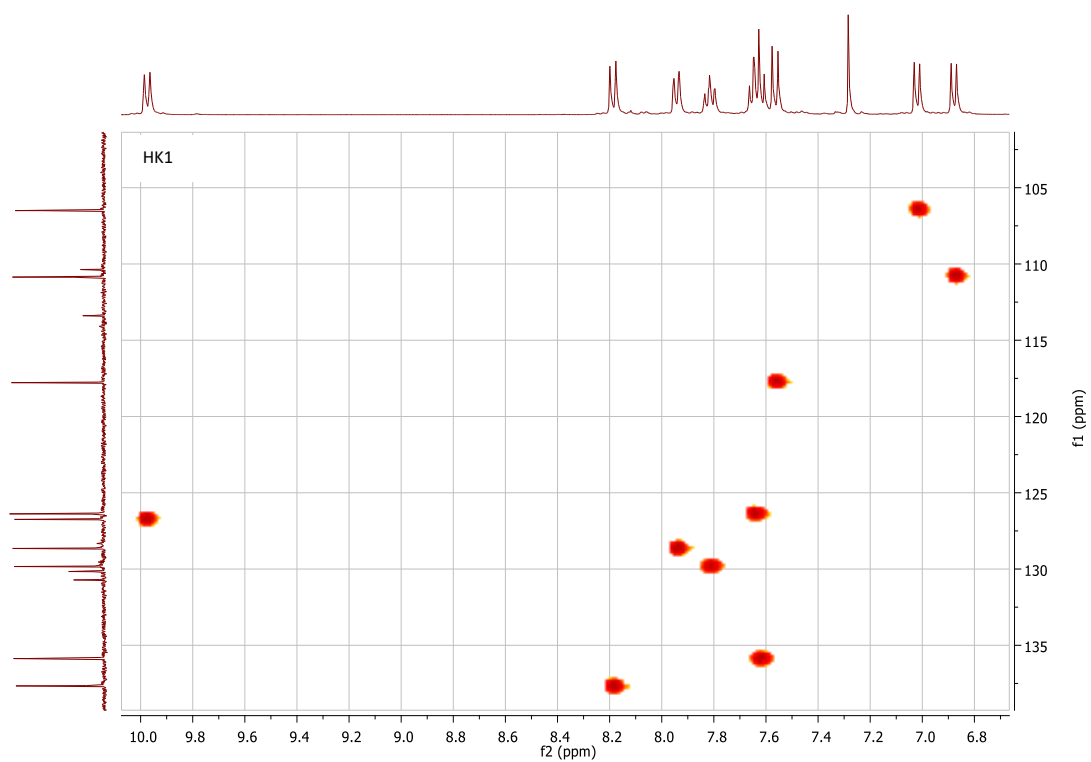
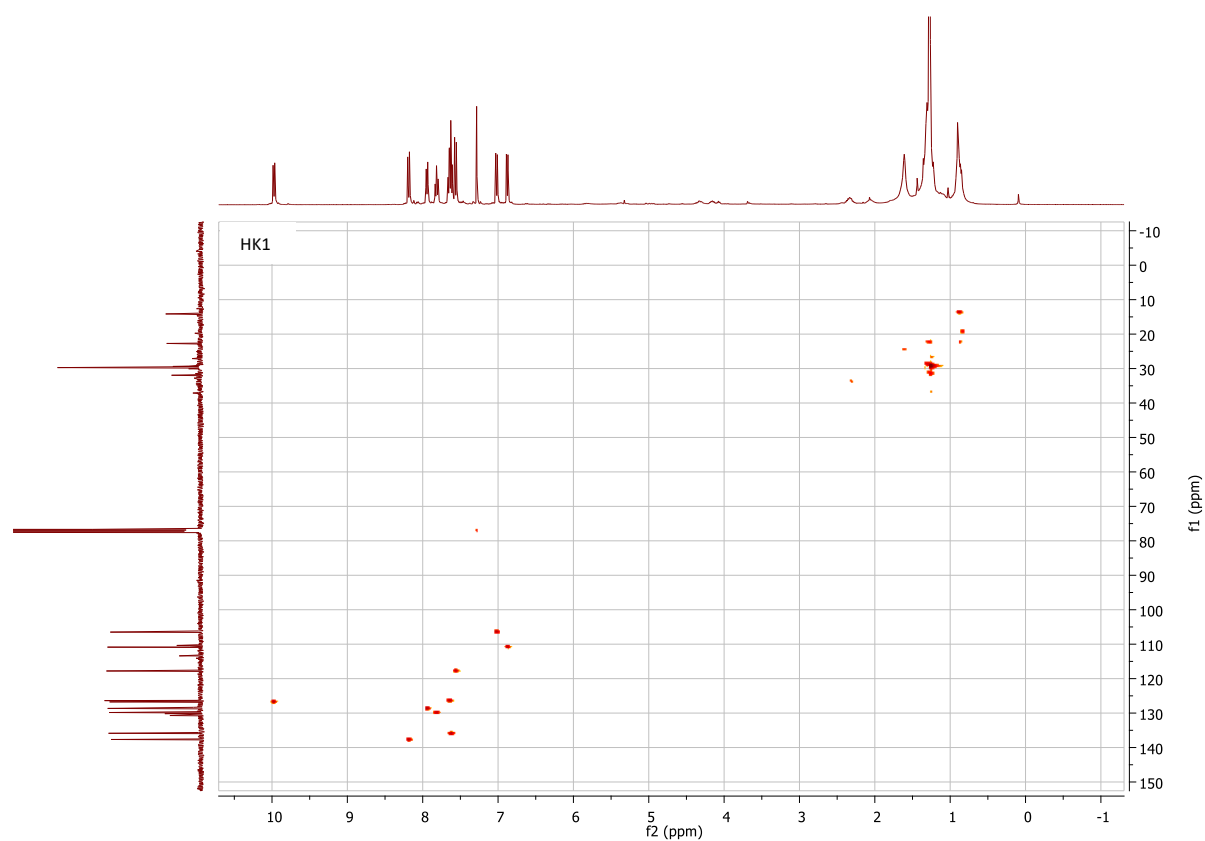
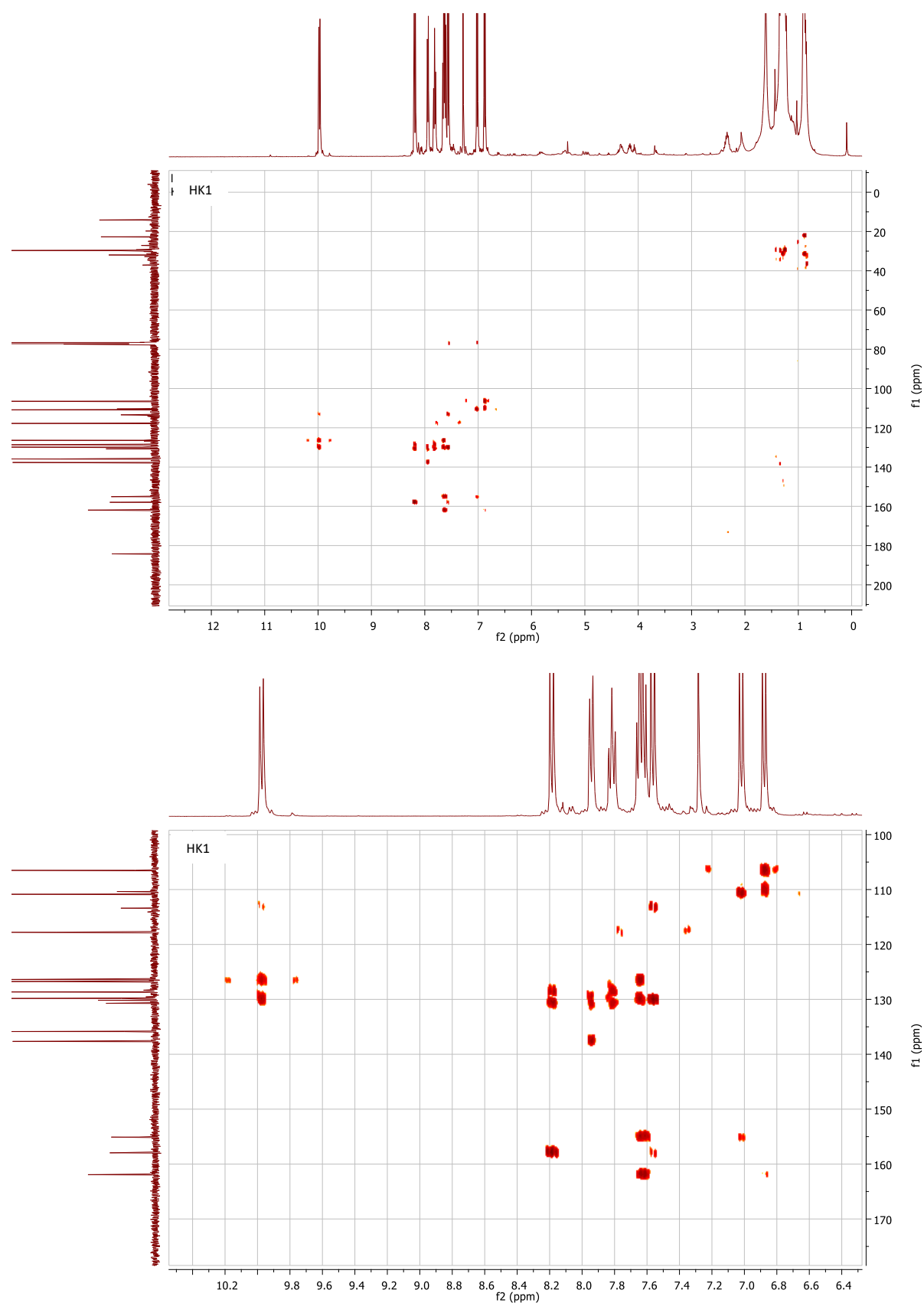


Figure S8



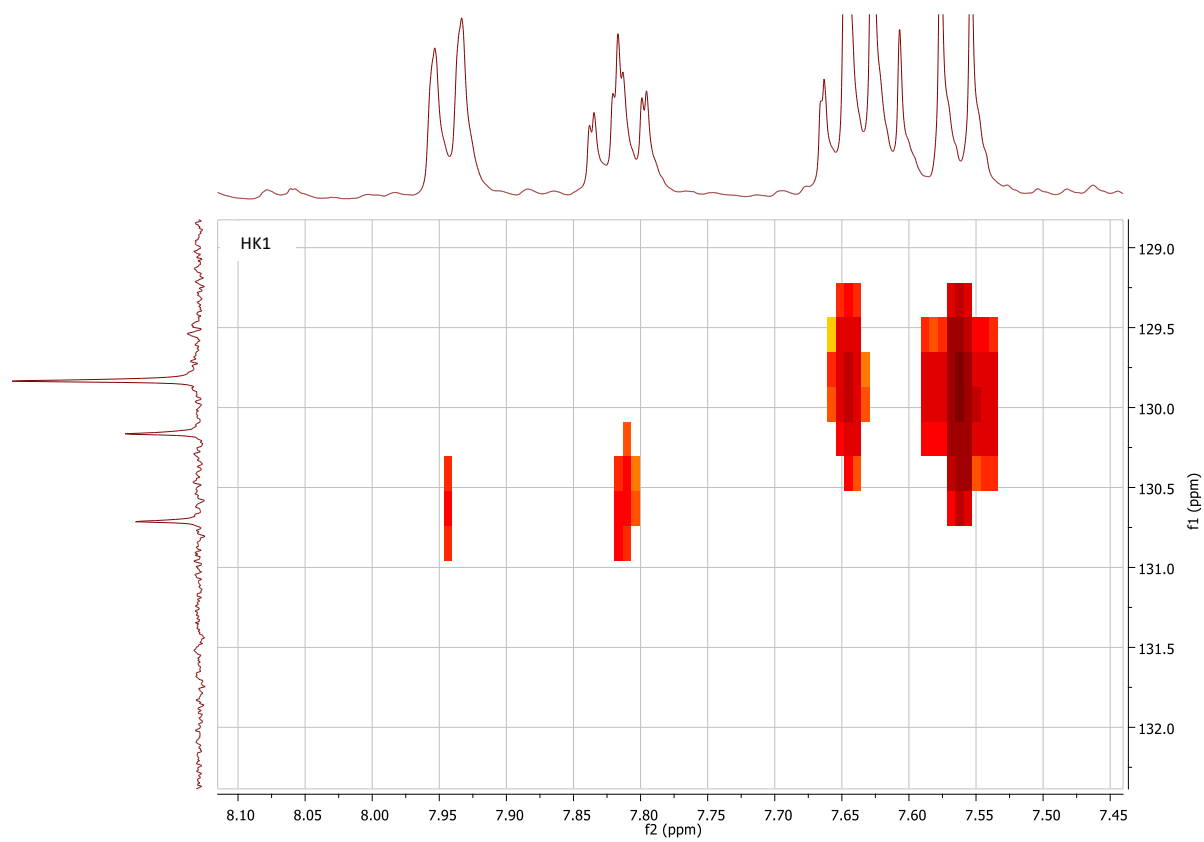
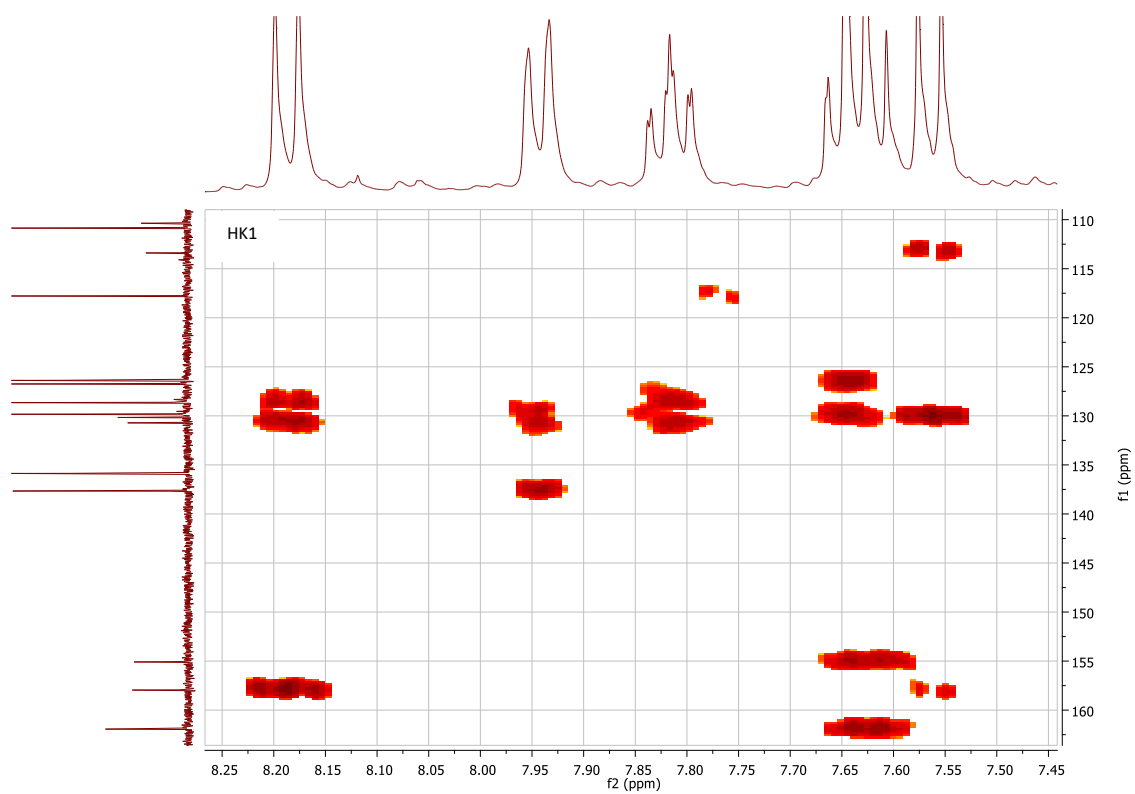
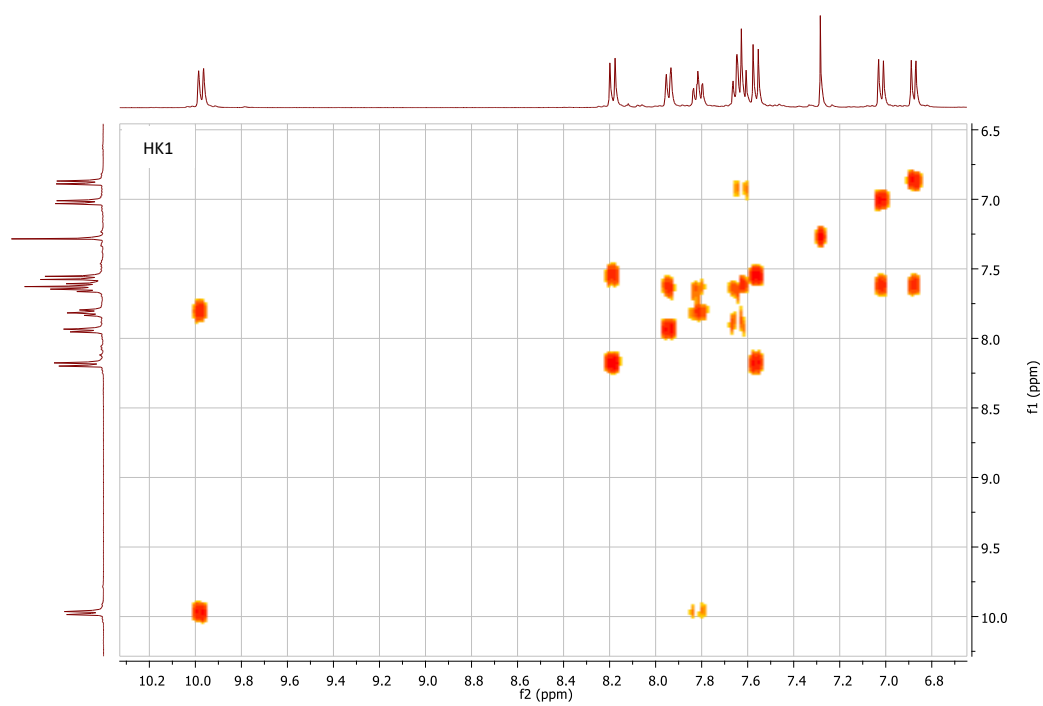
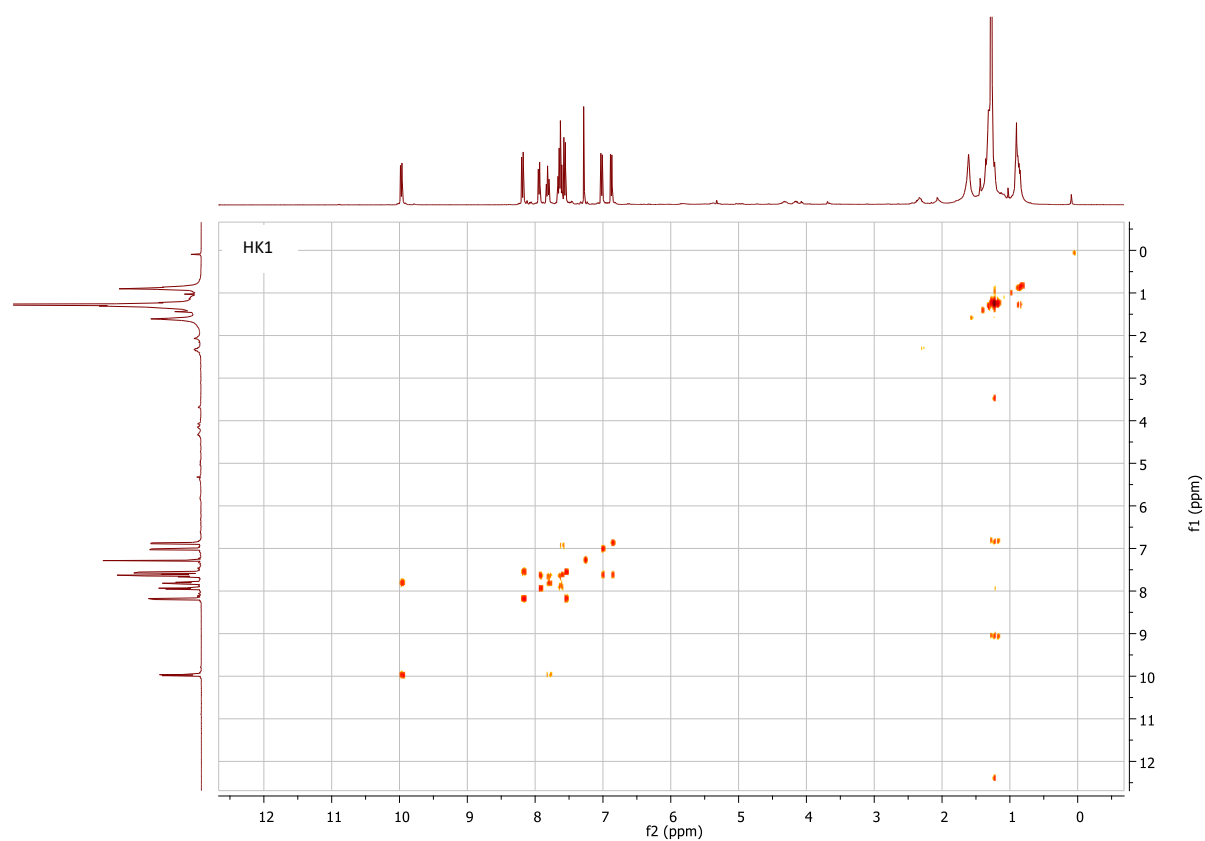
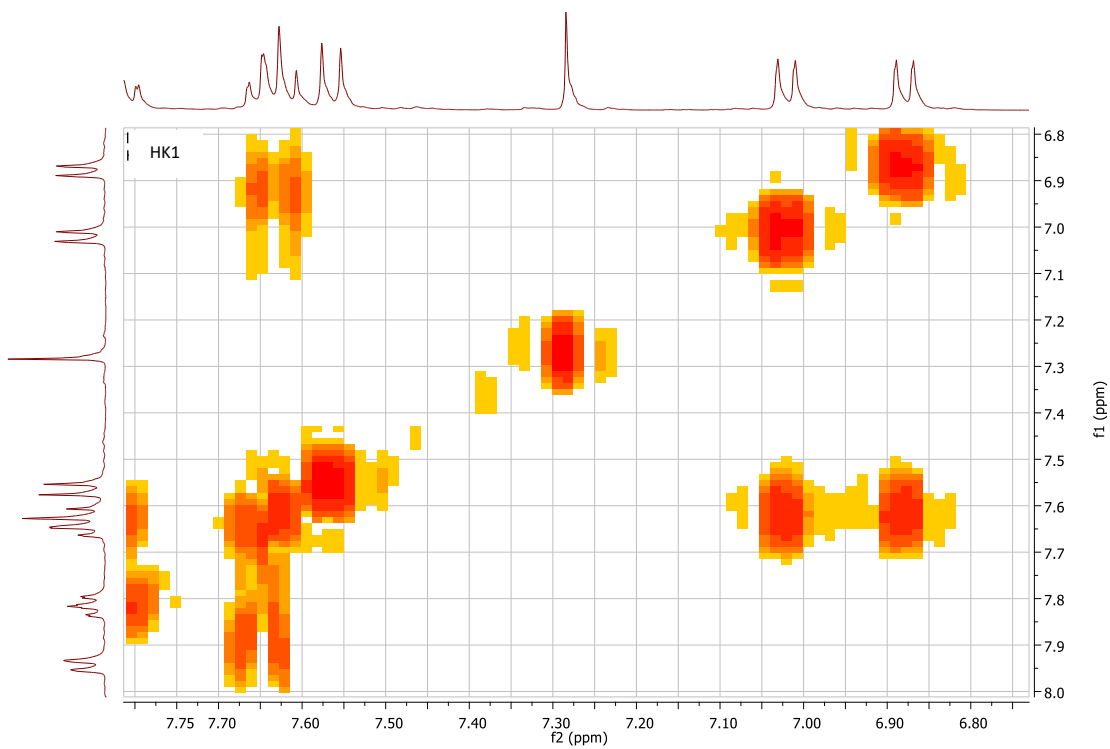
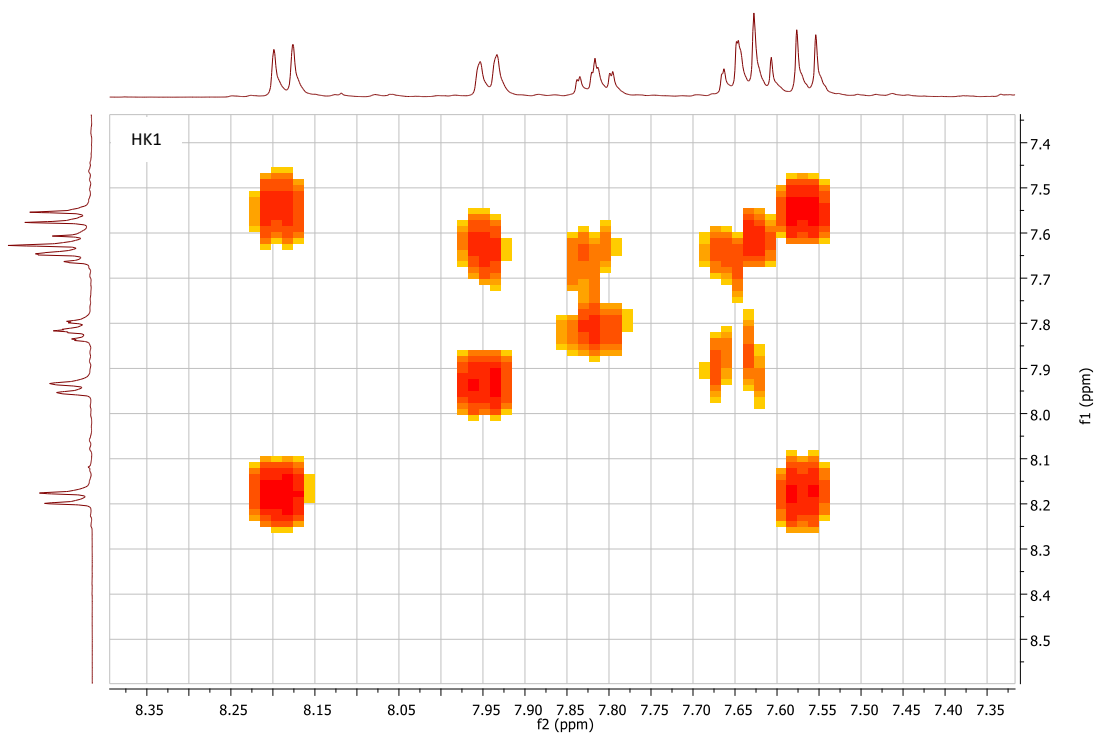


Figure S9





Compound 2 (HK2): 6-hydroxy-3-methoxy-7H-benzo[de]anthracen-7-one.

Figure S10

Compound 2

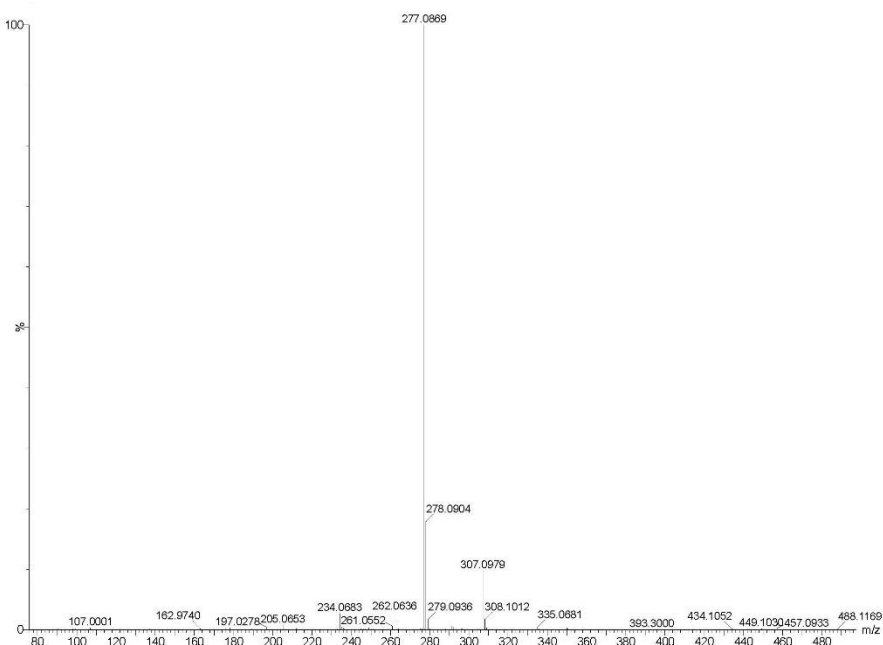


Figure S11

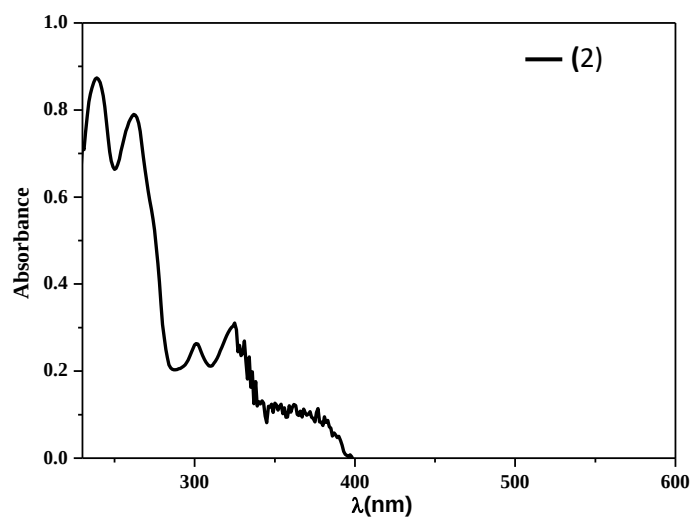


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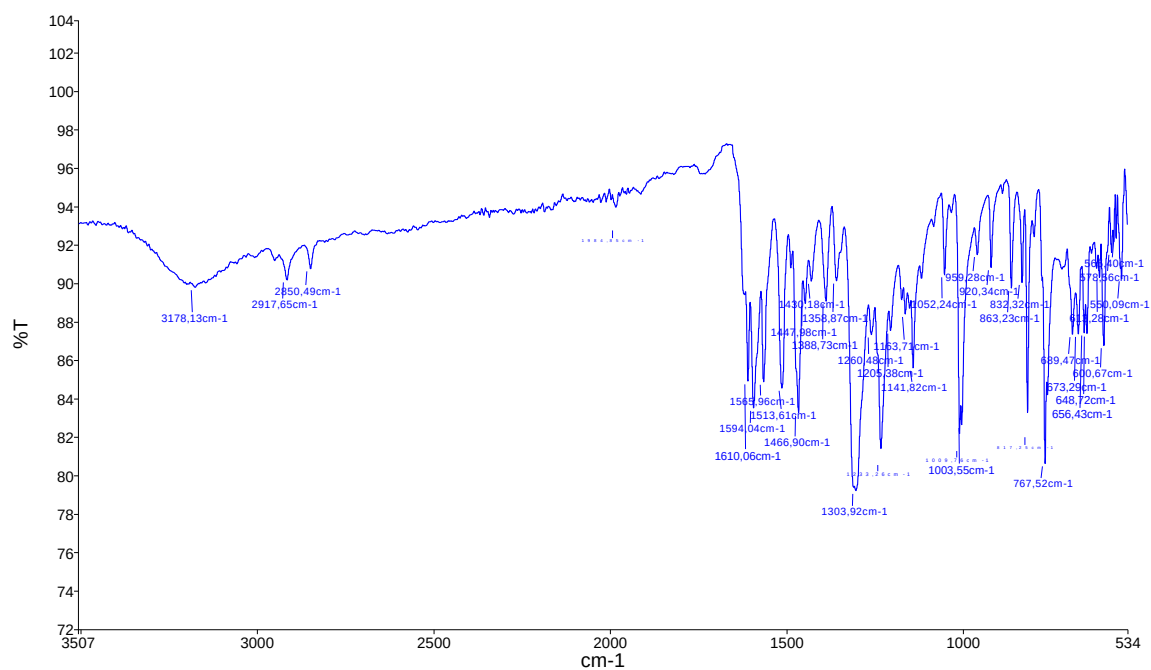


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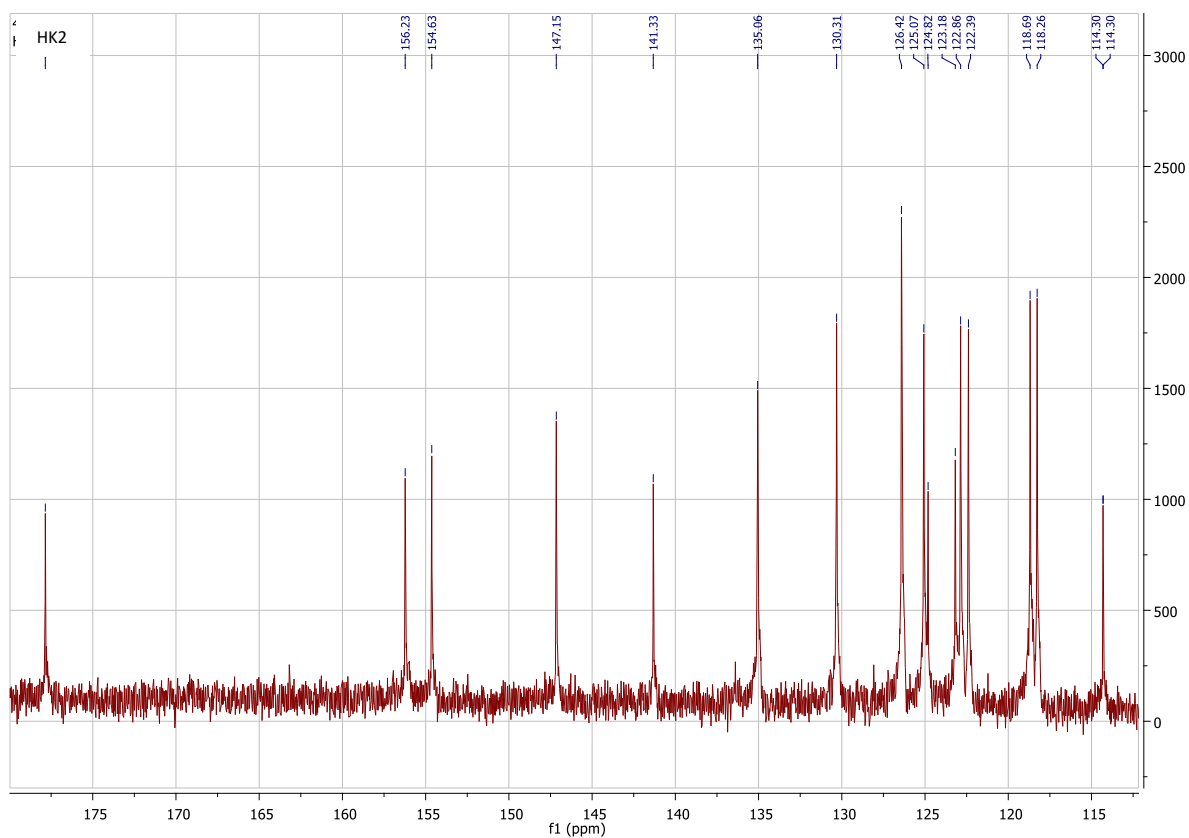
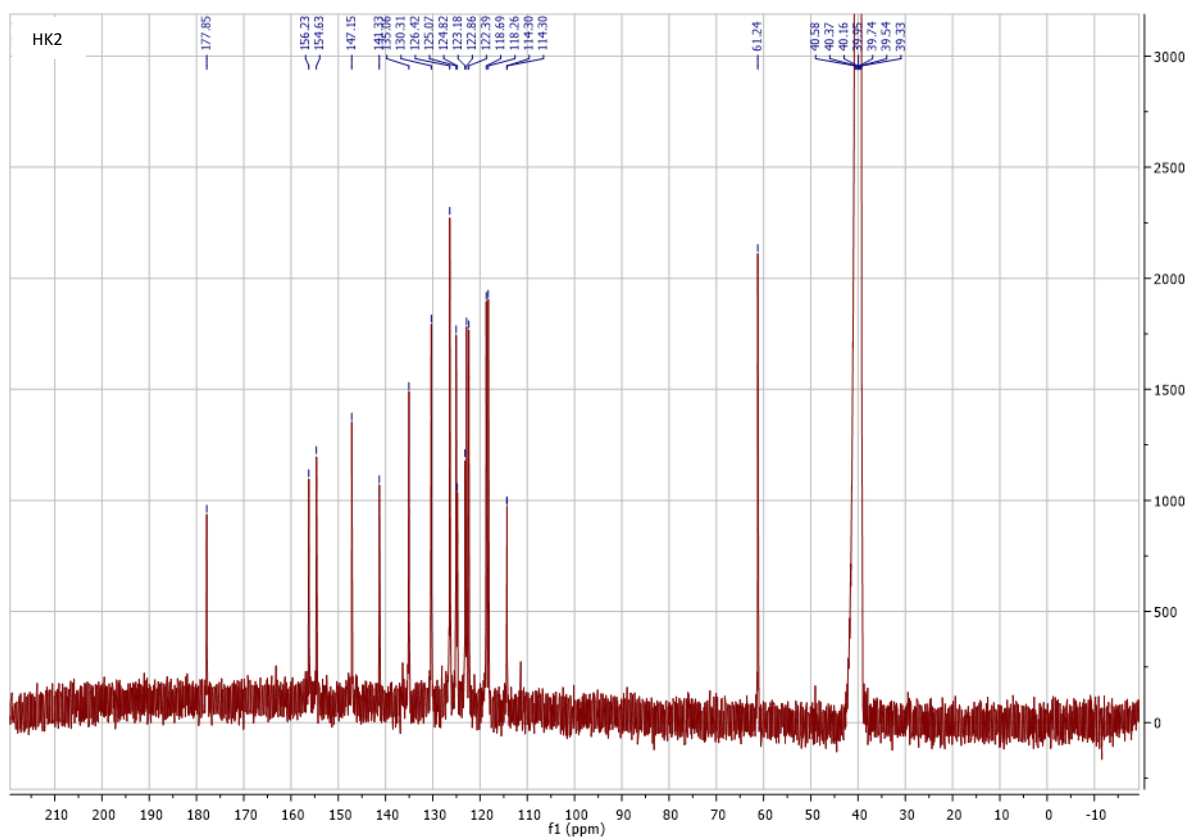


Figure S14

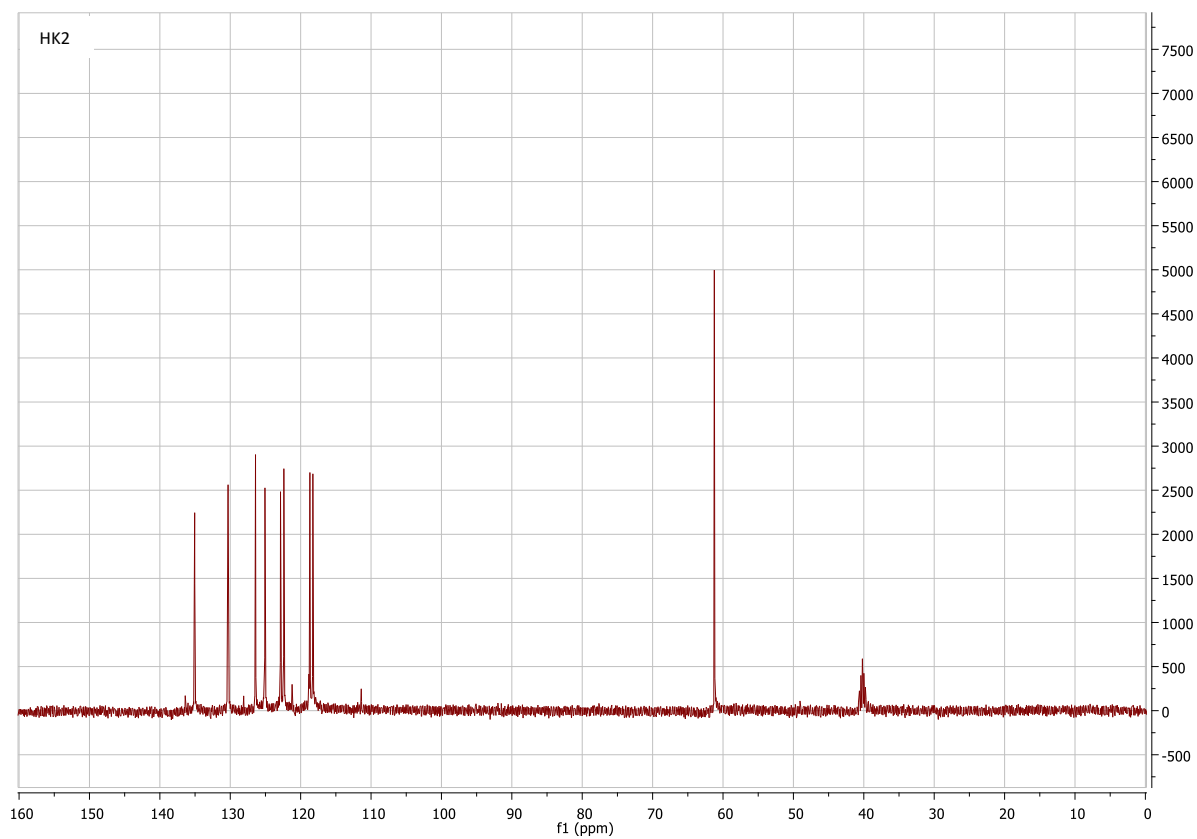
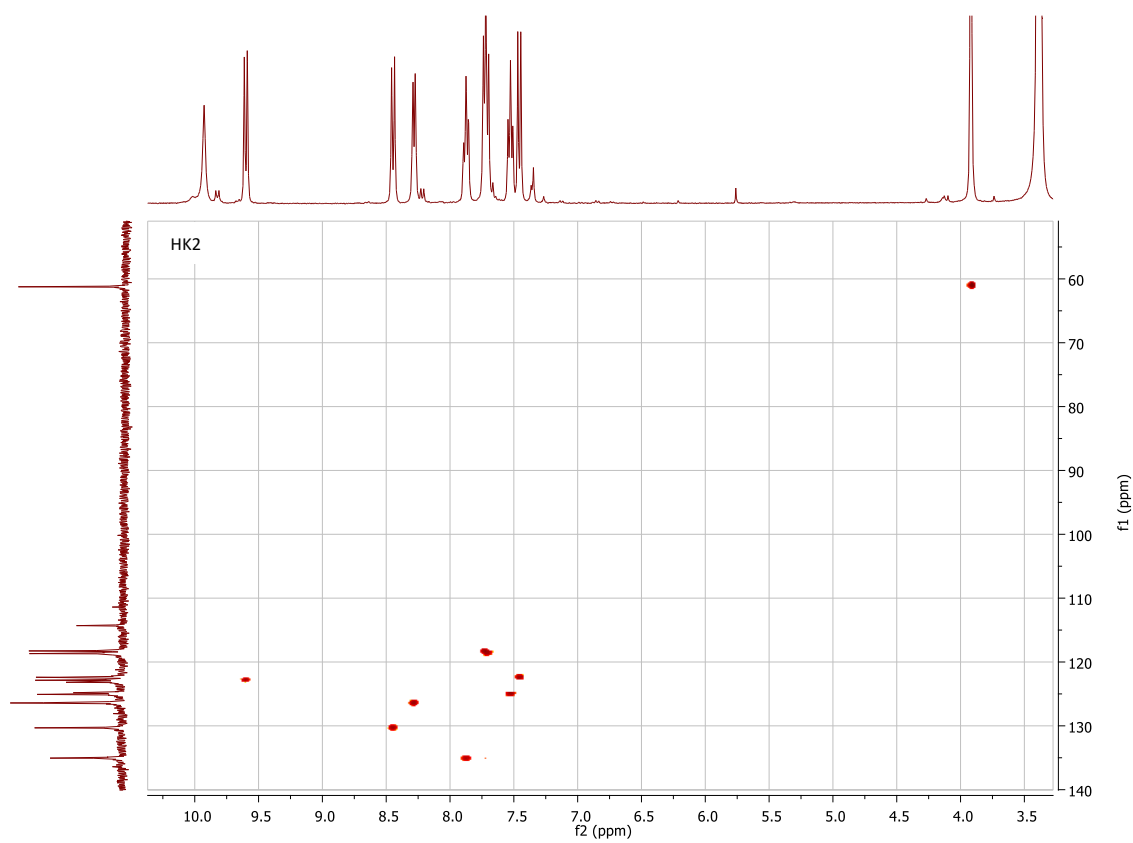


Figure S15



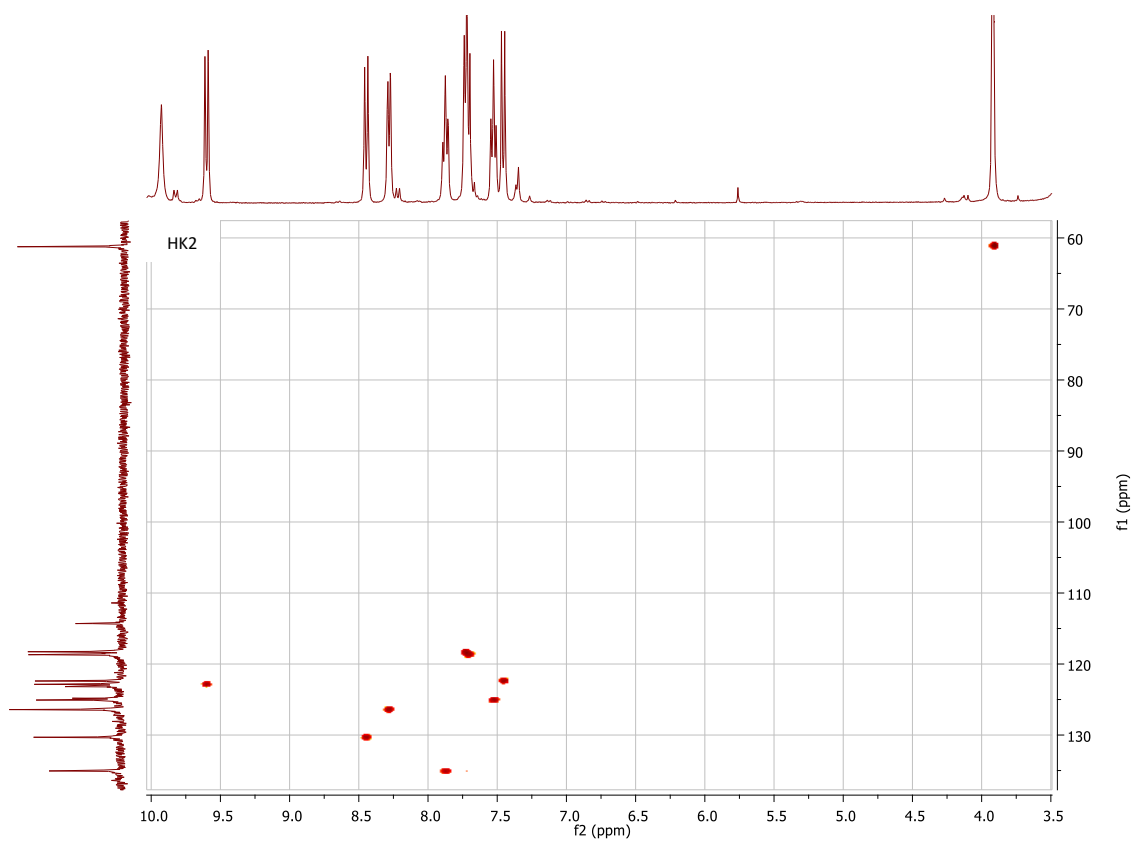


Figure S16

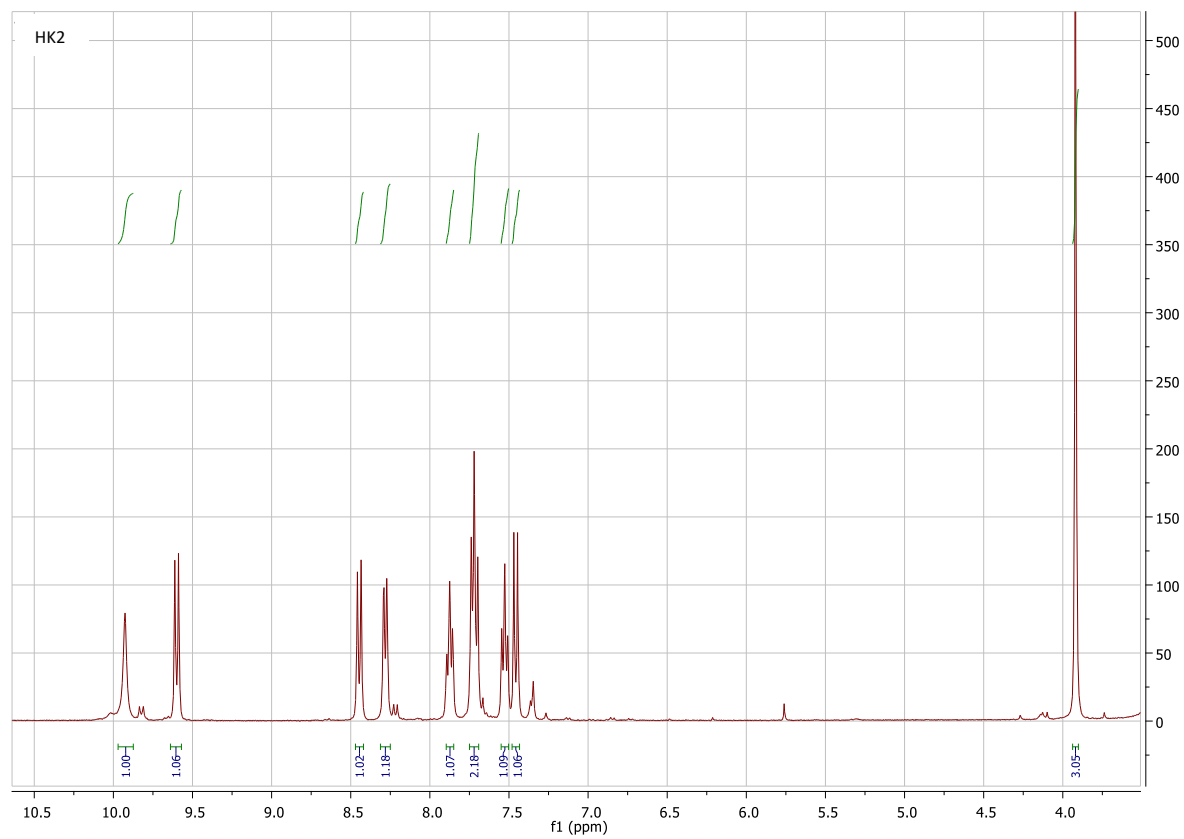
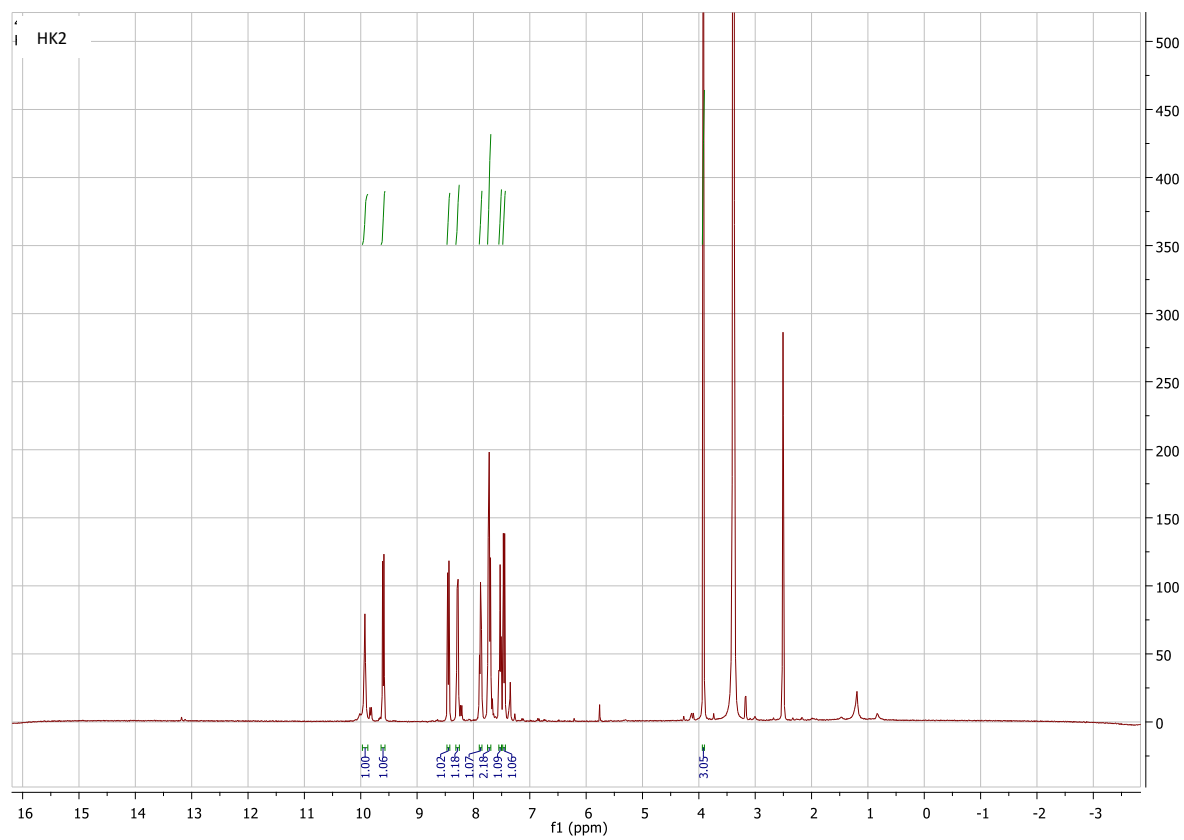


Figure S17

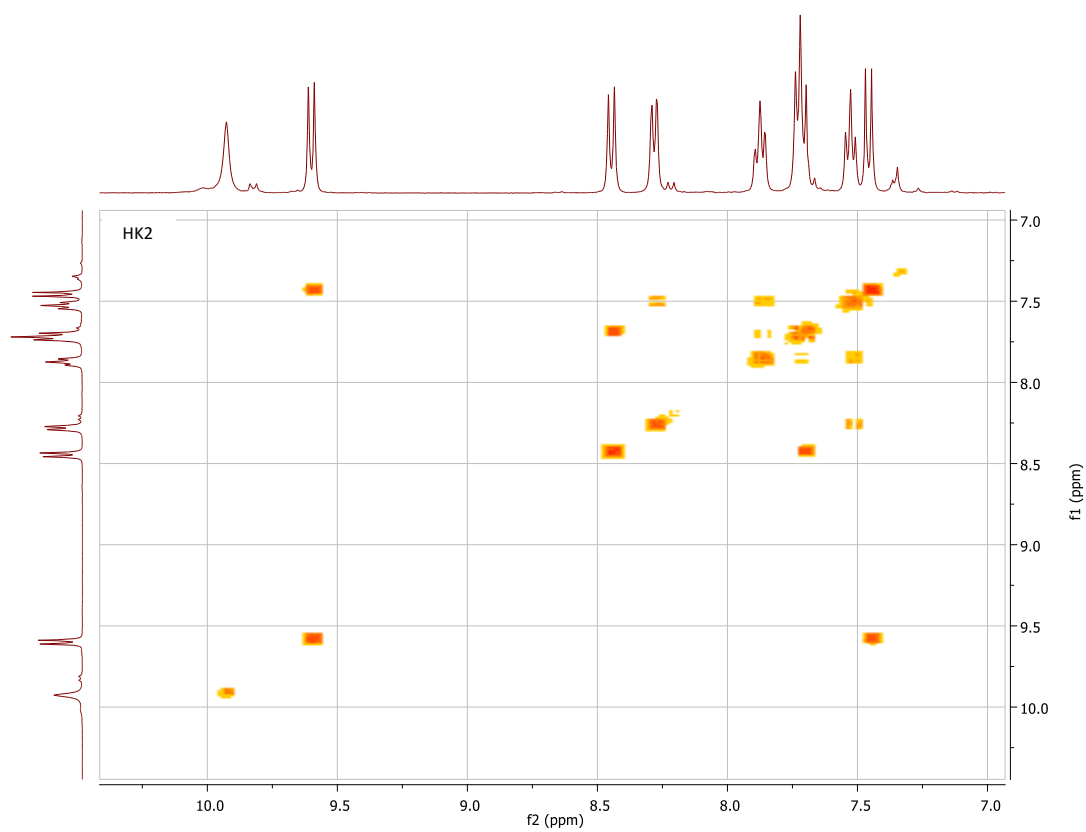
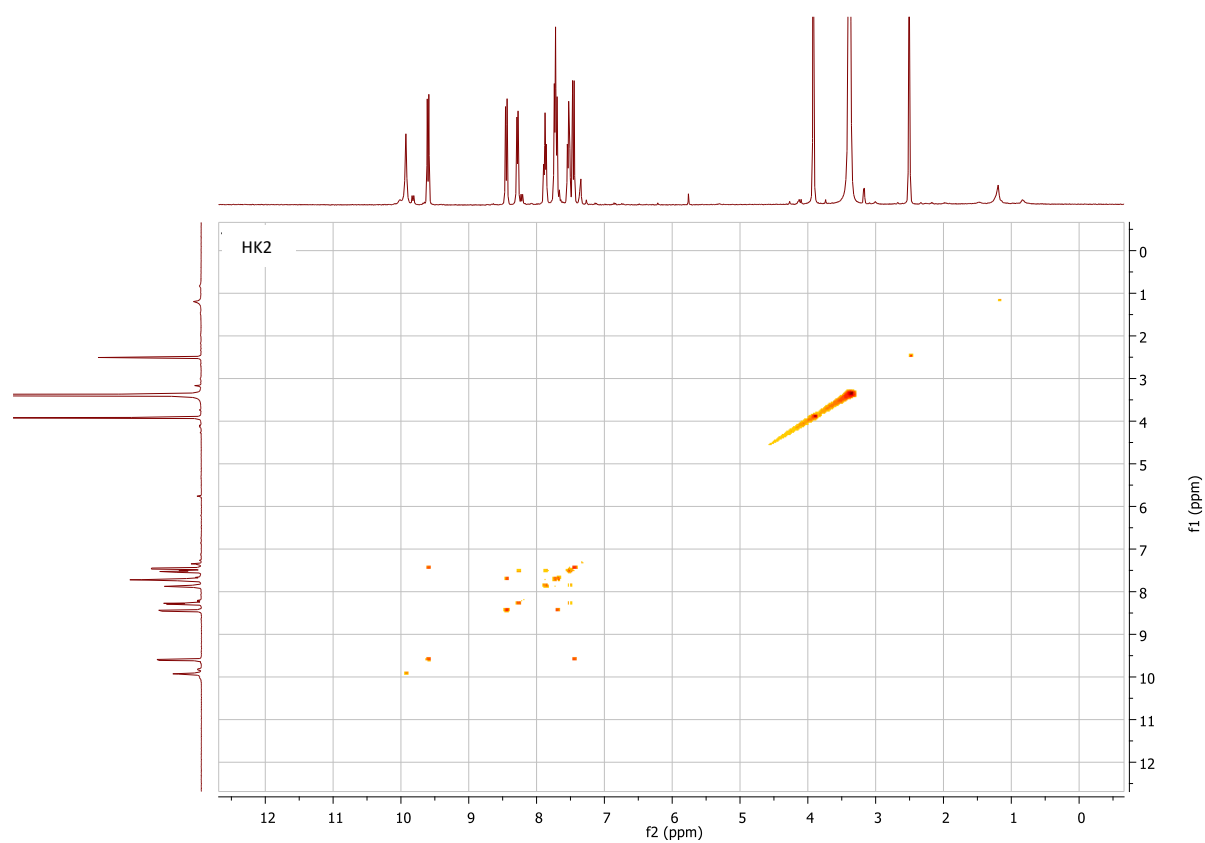


Figure S18

