Supporting Information

Sanguinones A and B, Blue Pyrroloquinoline Alkaloids from the Fruiting Bodies of the Mushroom *Mycena sanguinolenta*

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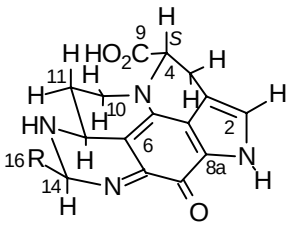
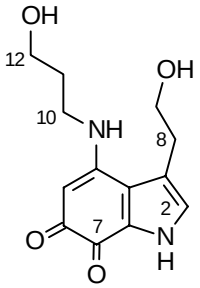
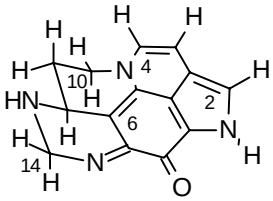
Selected UV-Vis, CD, NMR and mass spectra of compounds 1 – 4



R = H: sanguinone A (**1**)
R = CH_3: sanguinone B (**2**)



sanguinolentaquinone (**3**)



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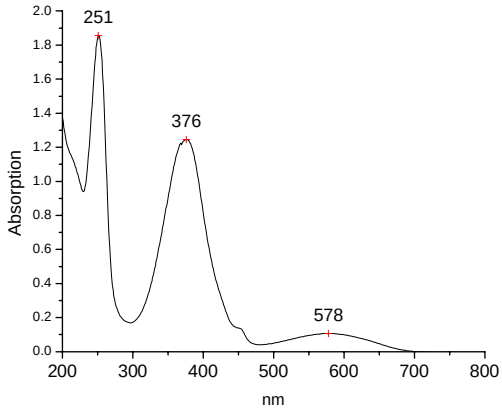
Selected spectra (UV-Vis, CD, NMR, ESI-MS) of **1** S2 – S7

Selected spectra (UV-Vis, CD, NMR, ESI-MS) of **2** S8 – S12

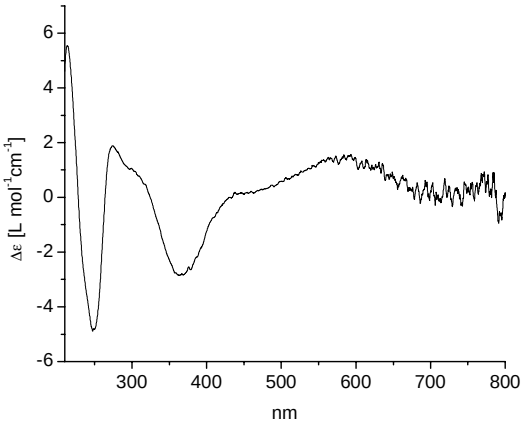
Selected spectra (UV-Vis, NMR, APCI-MS) of **3** S13 – S16

Selected spectra (UV-Vis, NMR, ESI-MS) of **4** S17 – S20

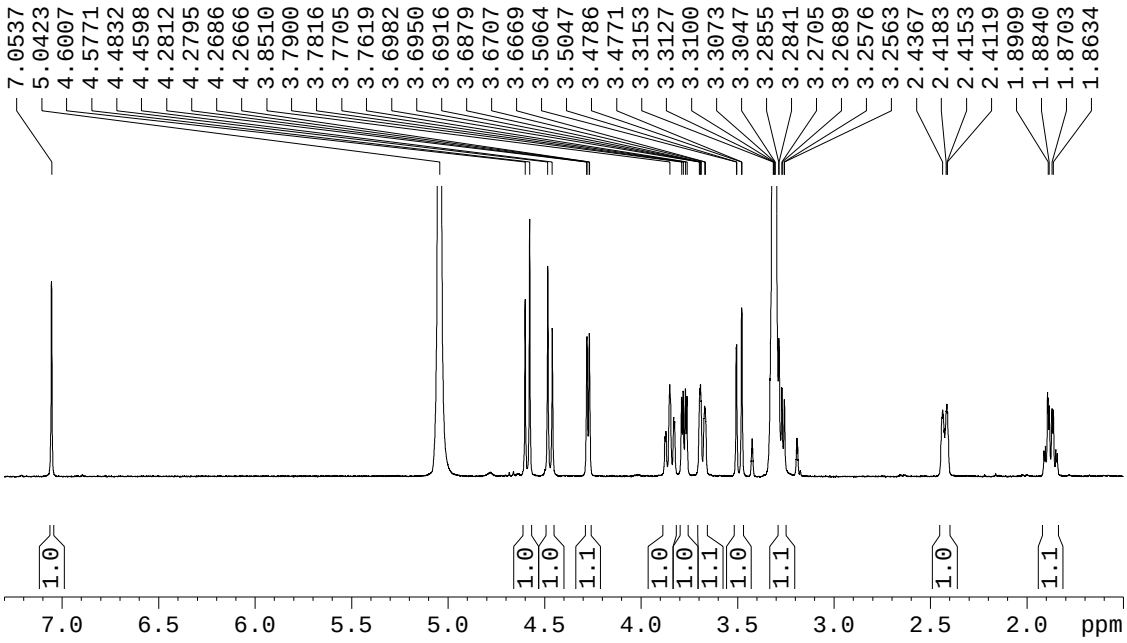
Sanguinone A (**1**), UV-Vis in H_2O

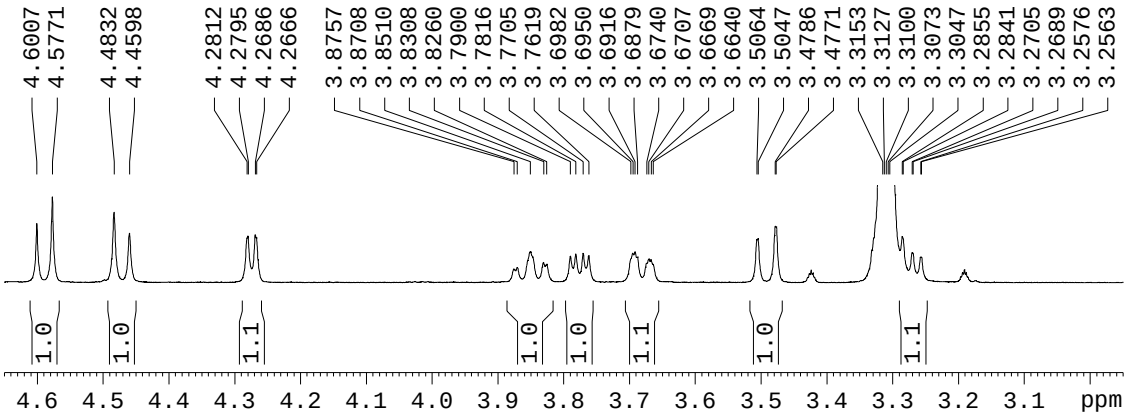


Sanguinone A (**1**), CD in H_2O

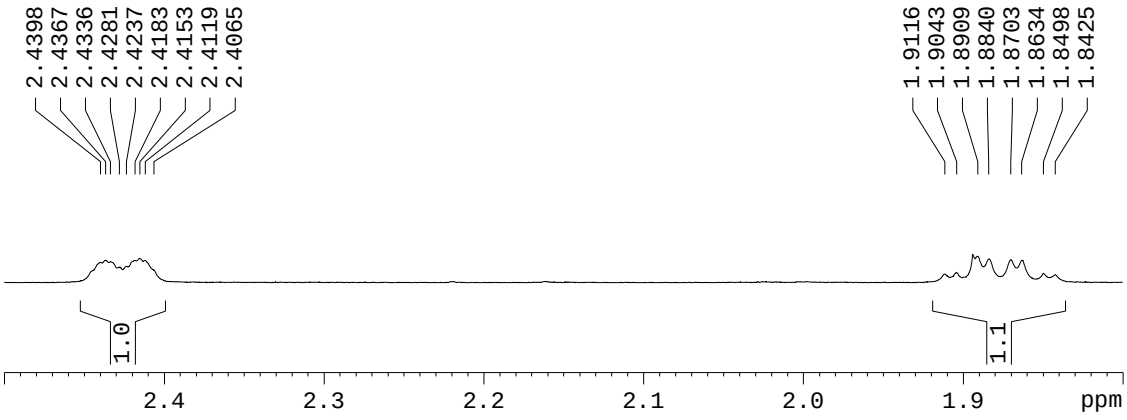


Sanguinone A (**1**): ^{1}H, 600 MHz, CD_3OD, 280 K

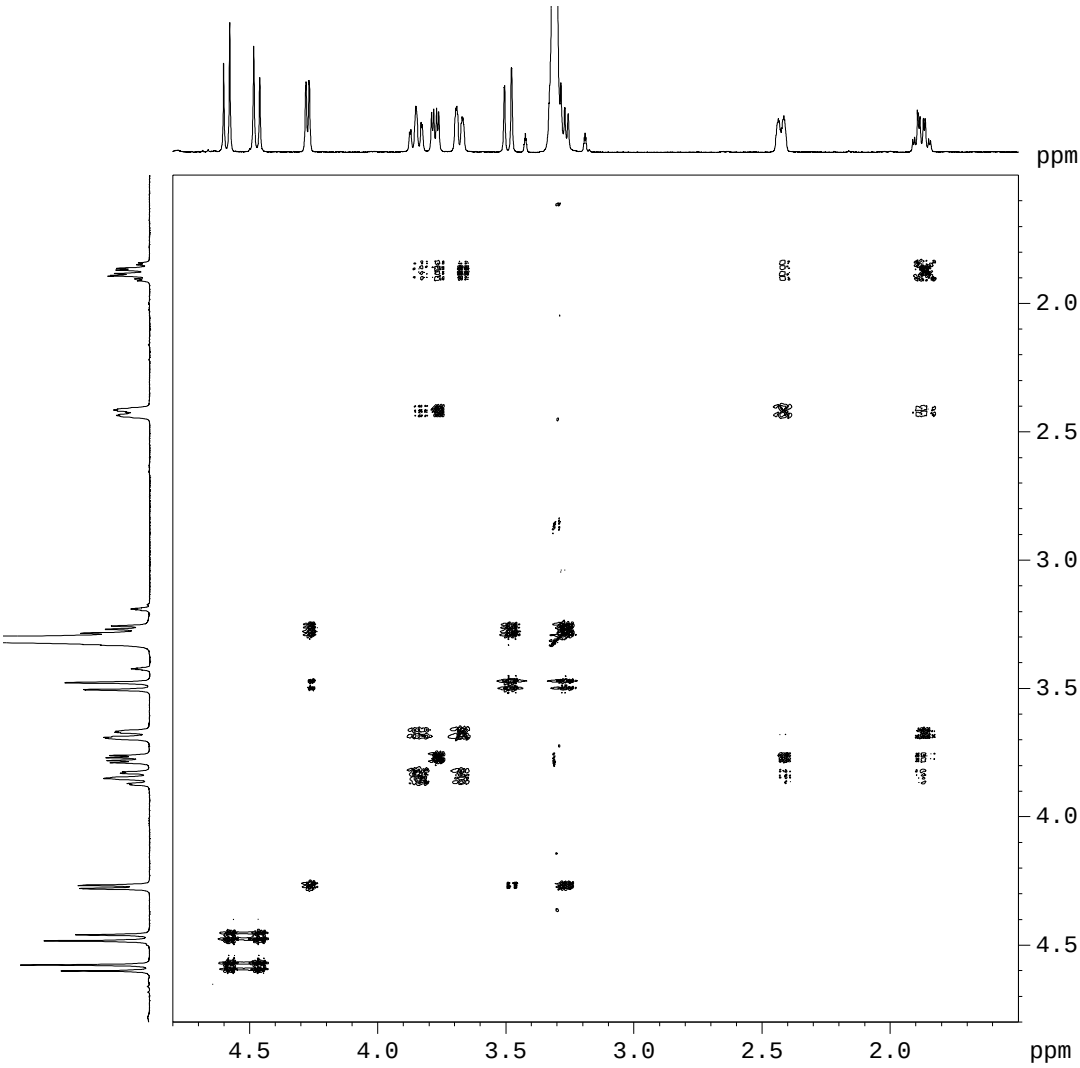




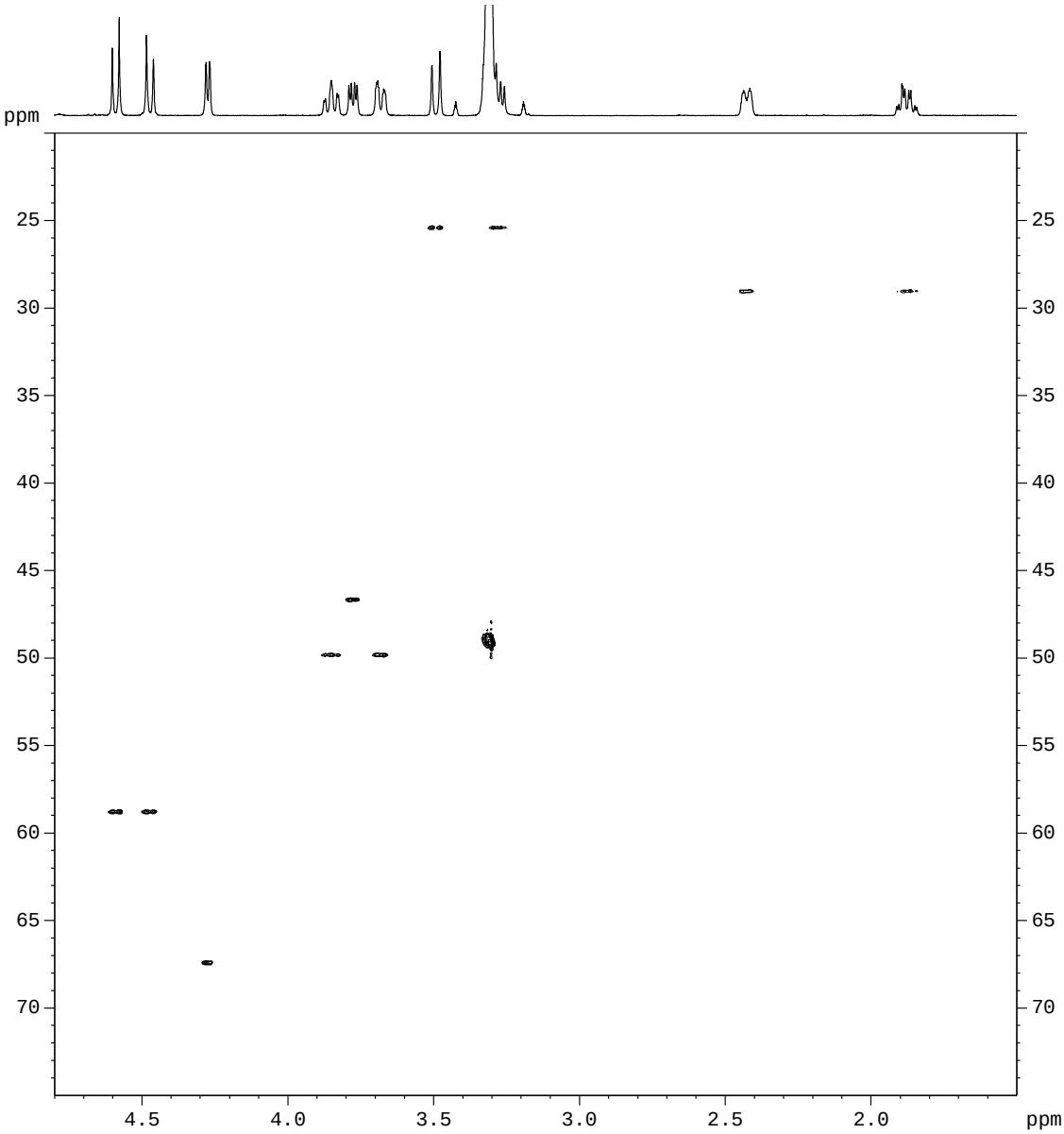
Sanguinone A (**1**): ^{1}H, 600 MHz, CD_3OD, 280 K

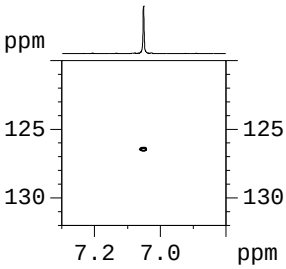


Sanguinone A (**1**): COSY, 600 MHz, CD_3OD, 280 K

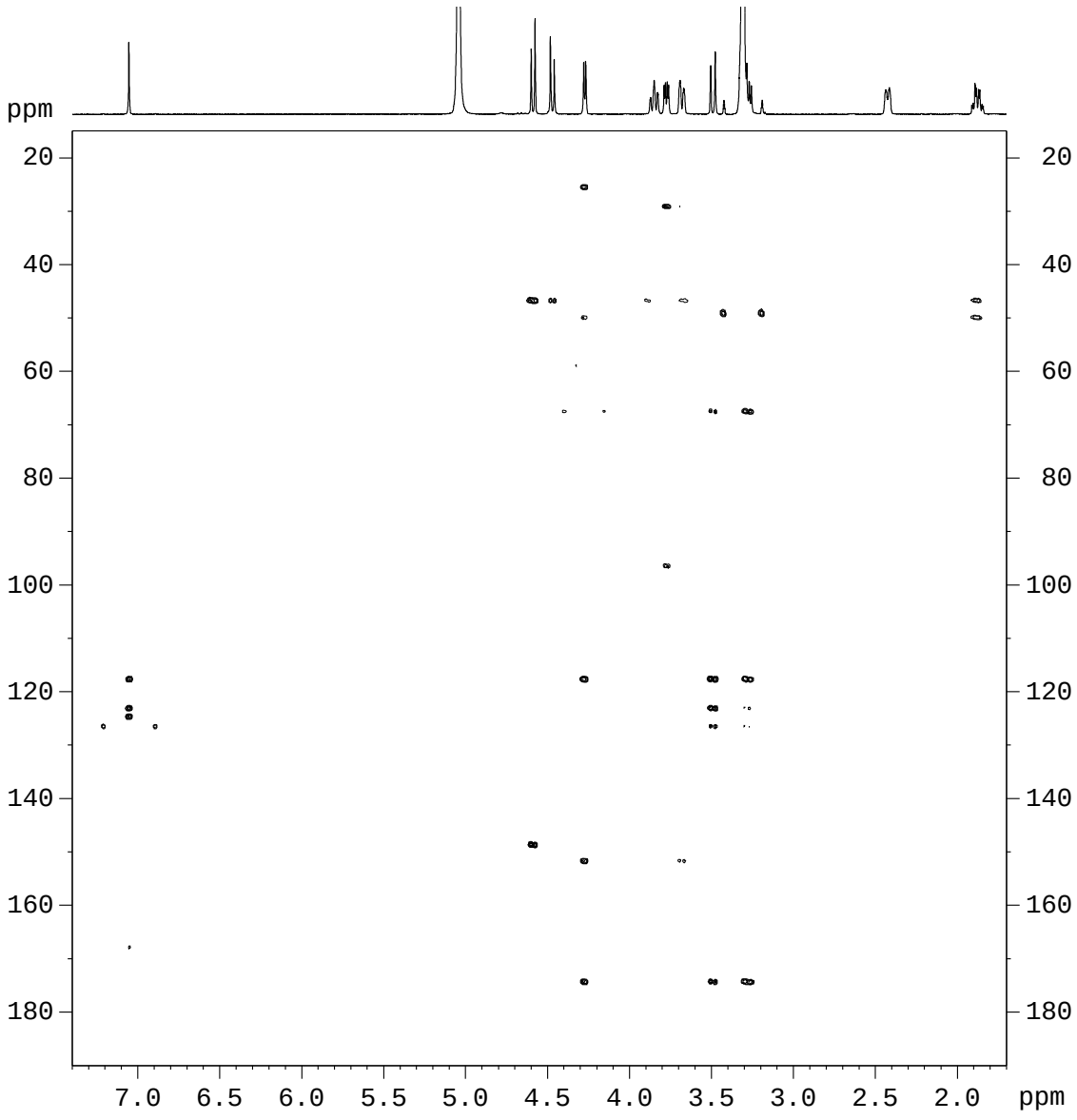


Sanguinone A (**1**): HSQC, 600 MHz, CD_3OD, 280 K

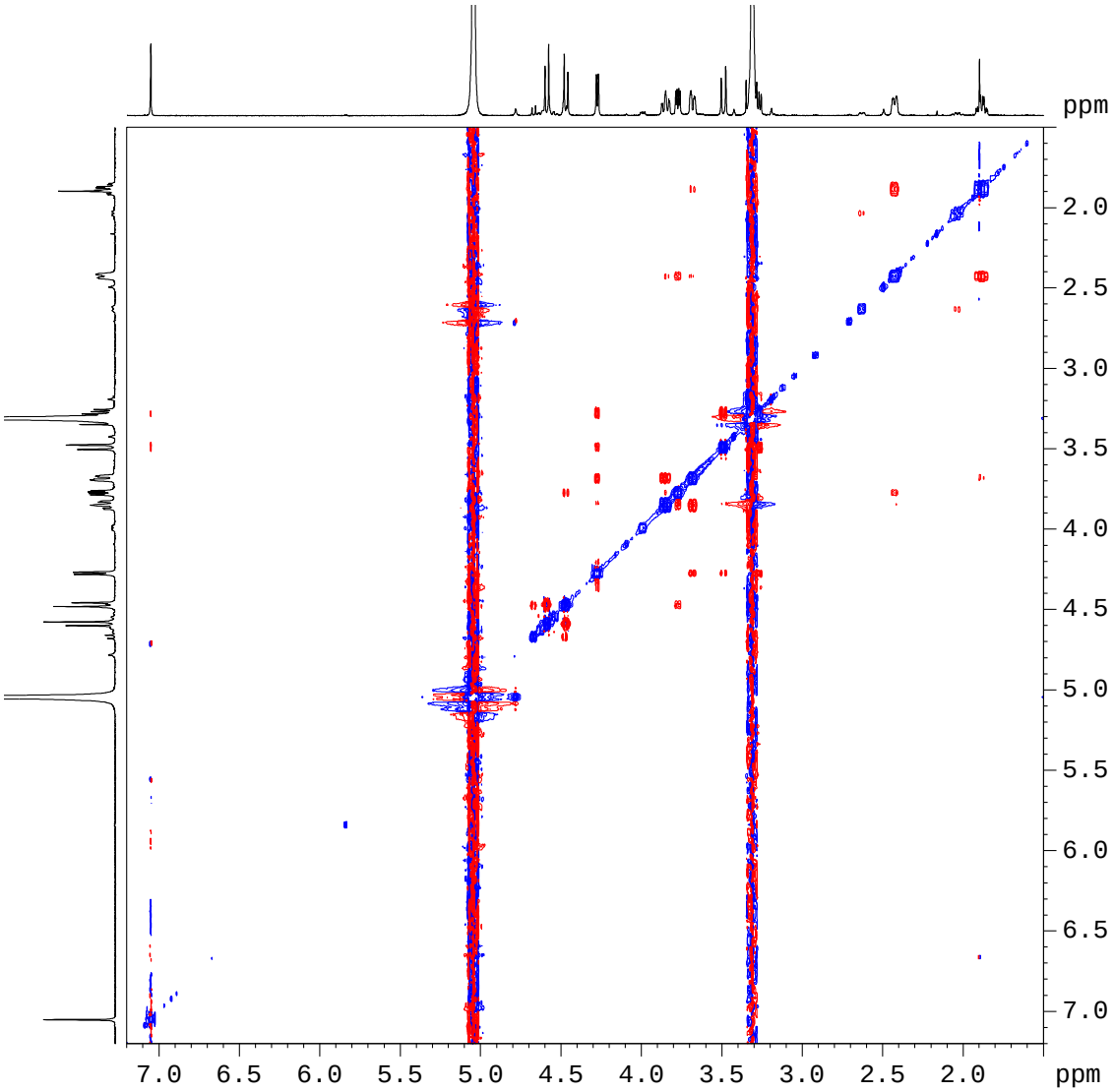




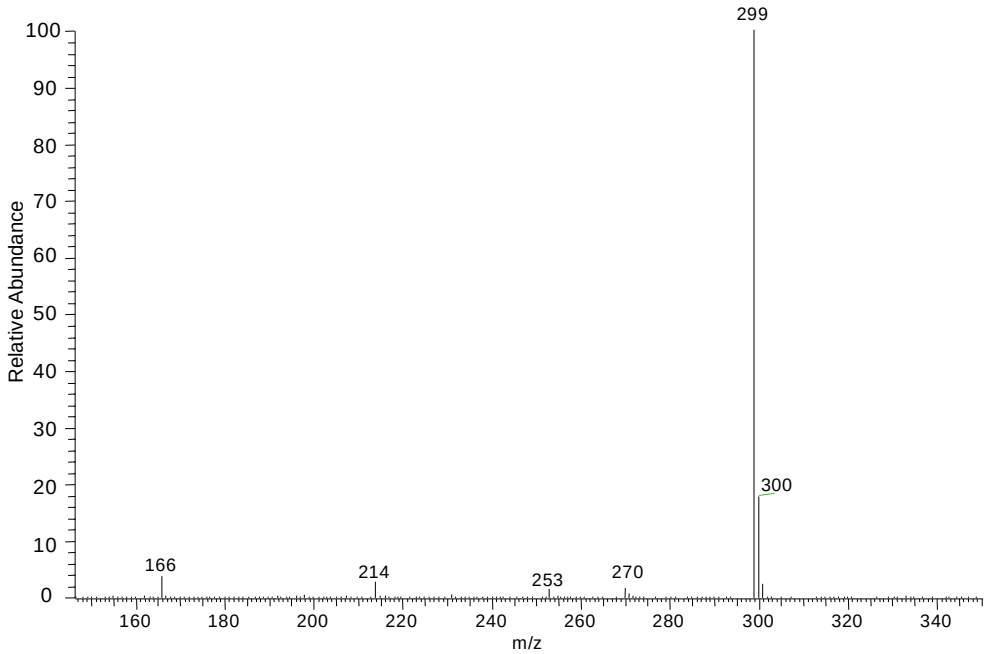
Sanguinone A (**1**): HMBC, 600 MHz, CD_3OD, 280 K



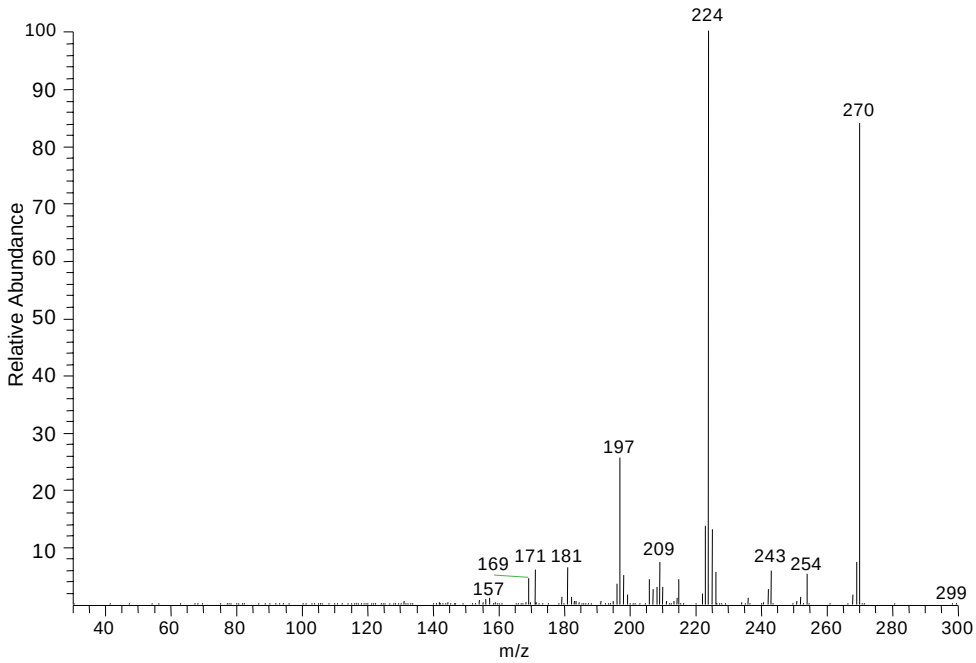
Sanguinone A (**1**): NOESY, 600 MHz, CD_3OD, 280 K



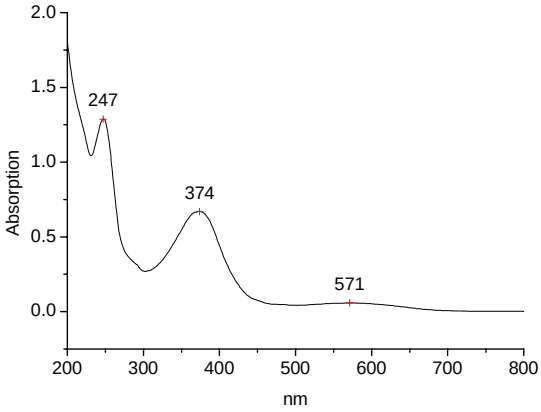
Sanguinone A (**1**): ESI-MS



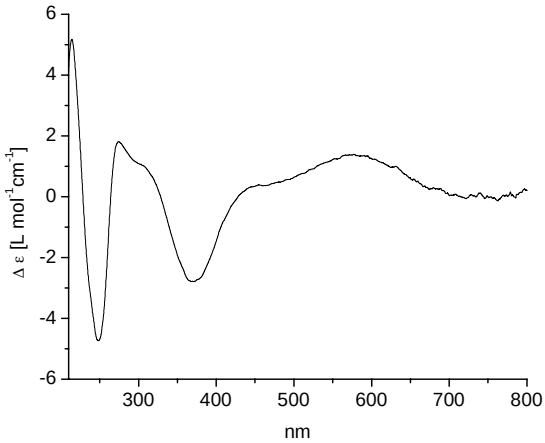
Sanguinone A (**1**): ESI-MS/MS (parent ion *m/z* 299, 40 eV)



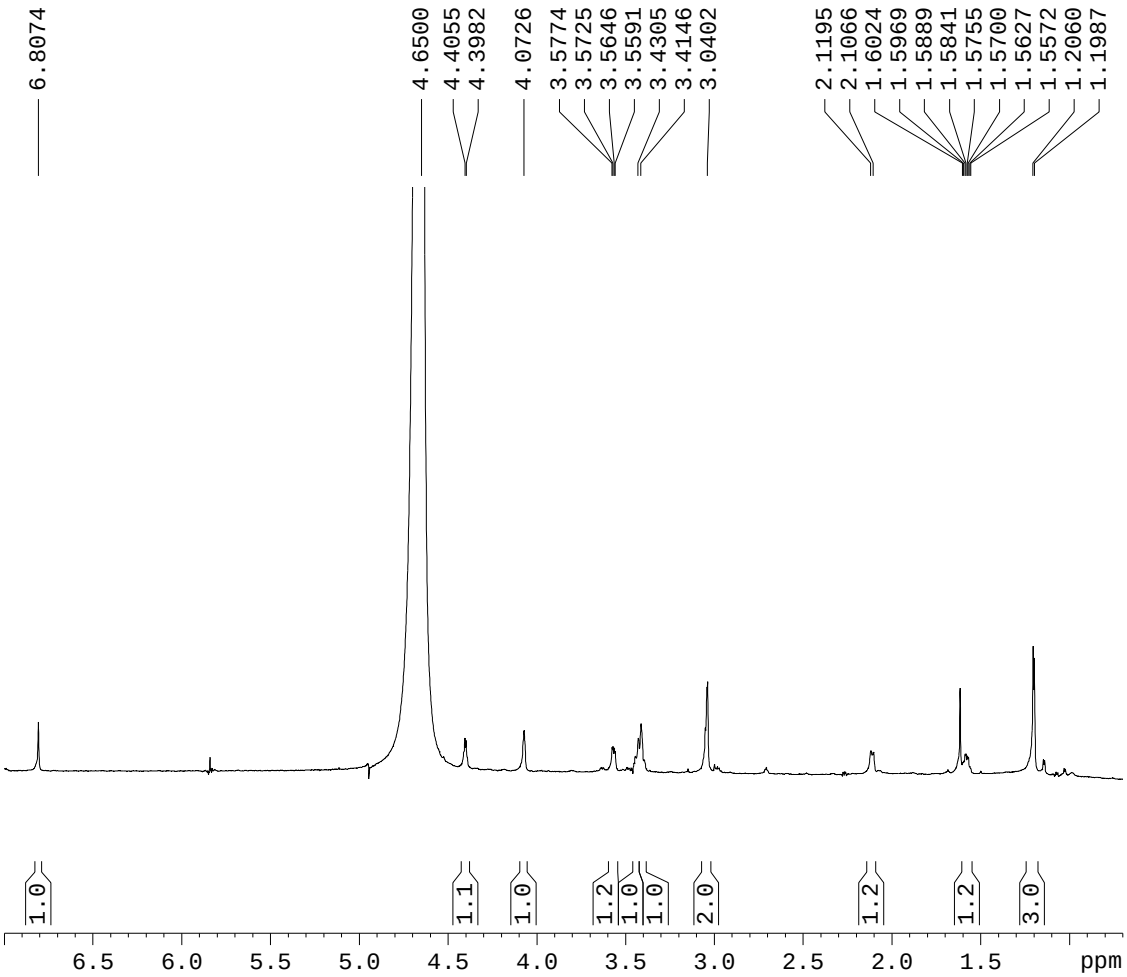
Sanguinone B (**2**): UV in H_2O



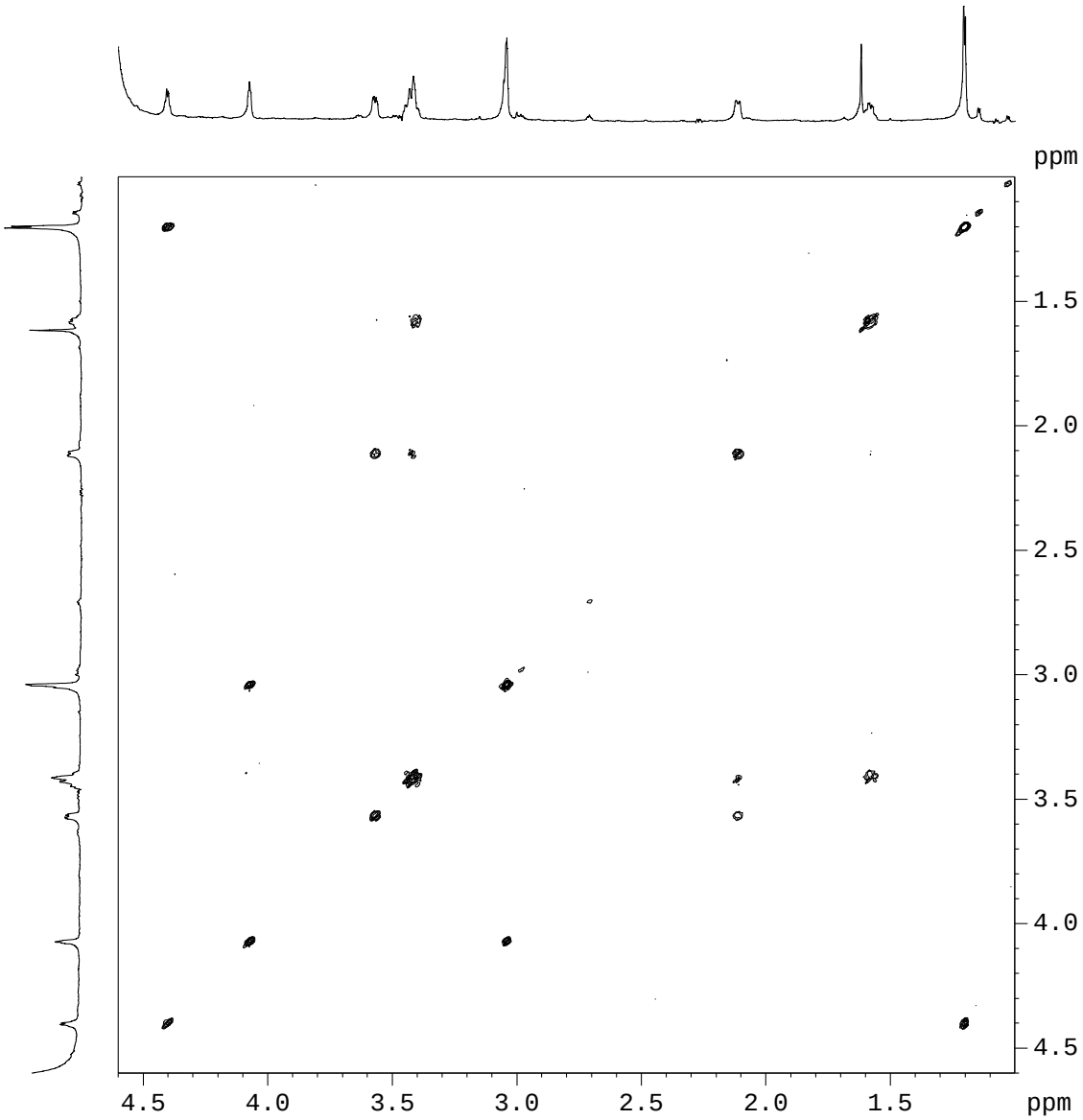
Sanguinone B (**2**): CD in H_2O



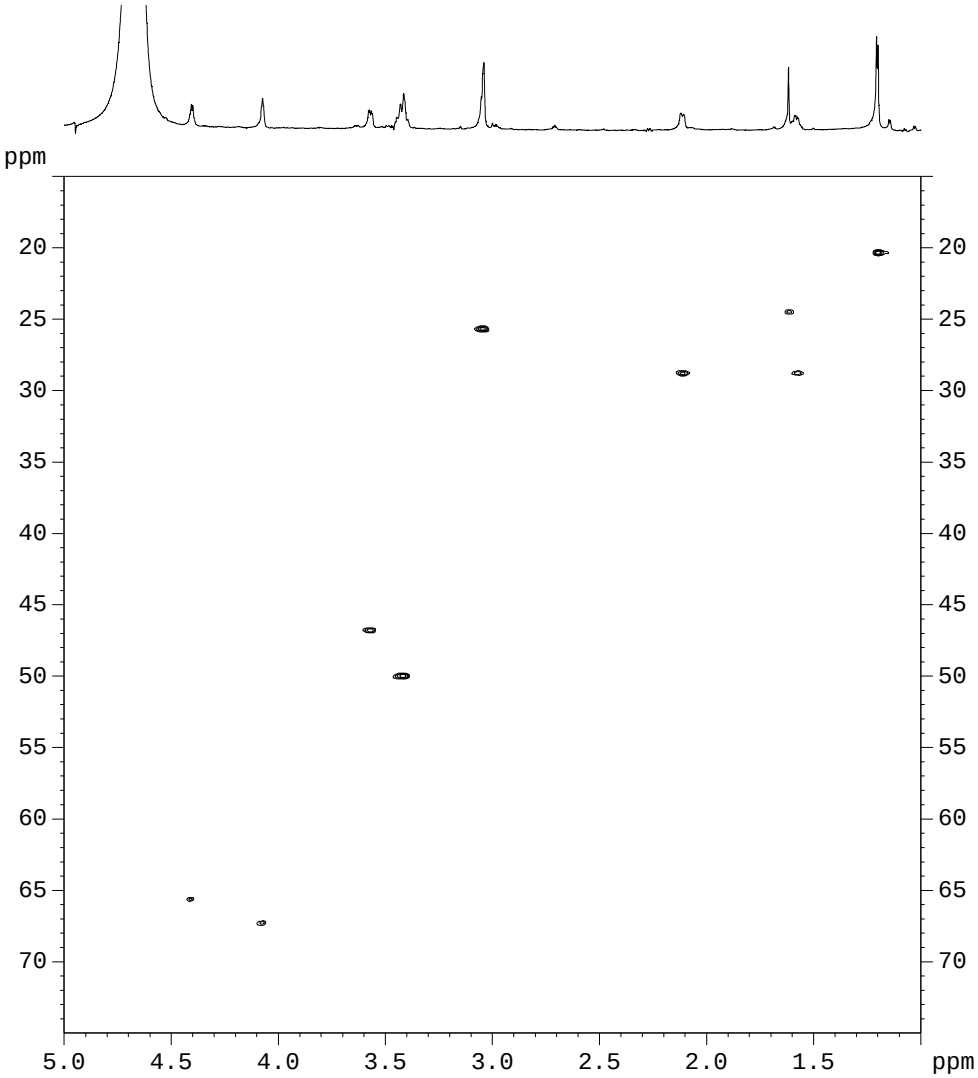
Sanguinone B (**2**): ^1H, 900 MHz, D_2O, 280 K

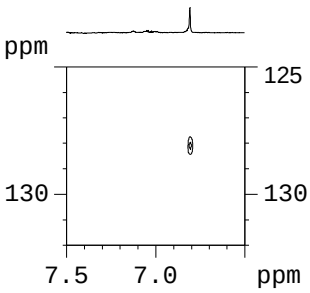


Sanguinone B (**2**): COSY, 900 MHz, D_2O, 280 K

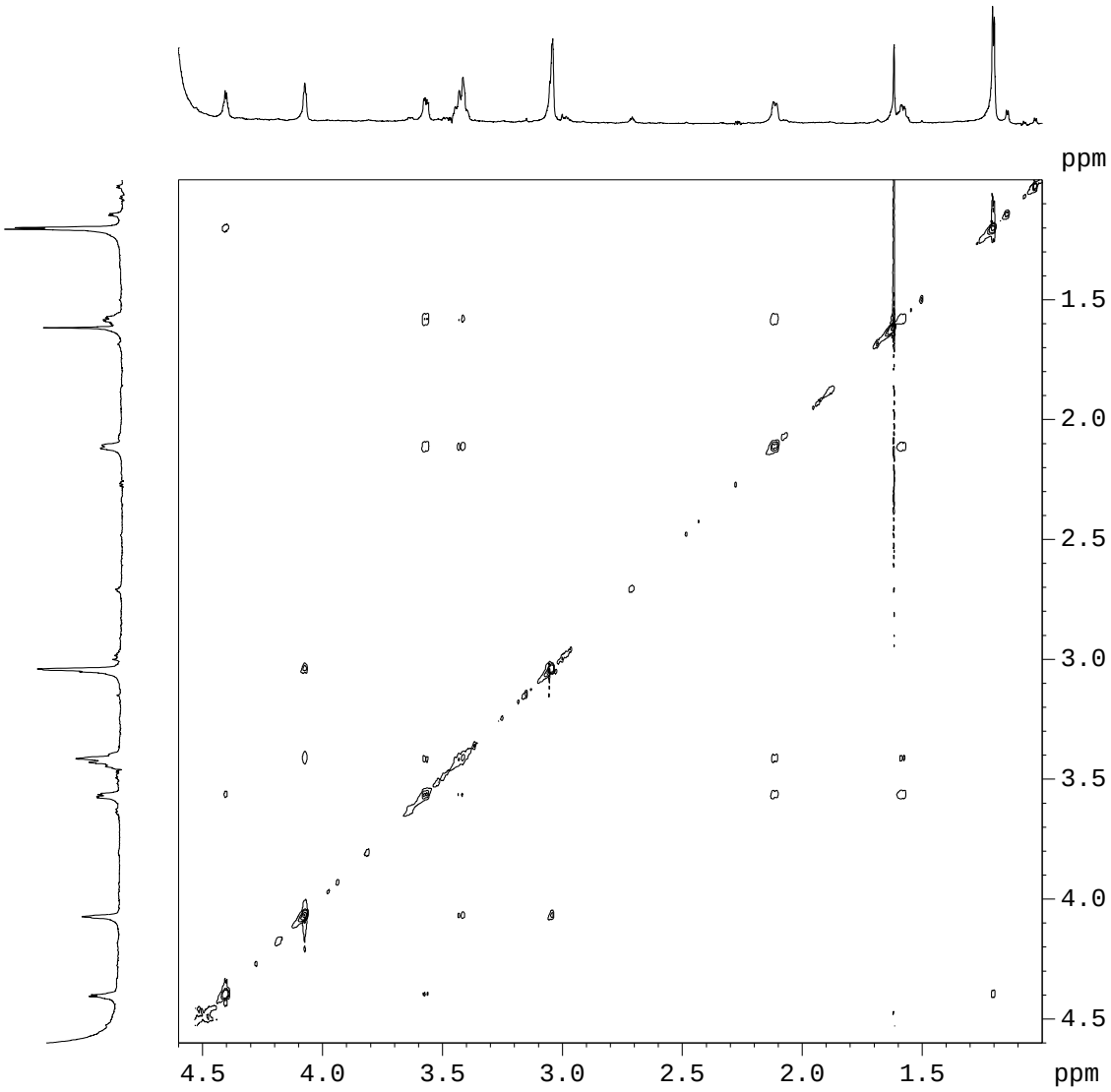


Sanguinone B (**2**): HSQC, 900 MHz, D_2O, 280 K

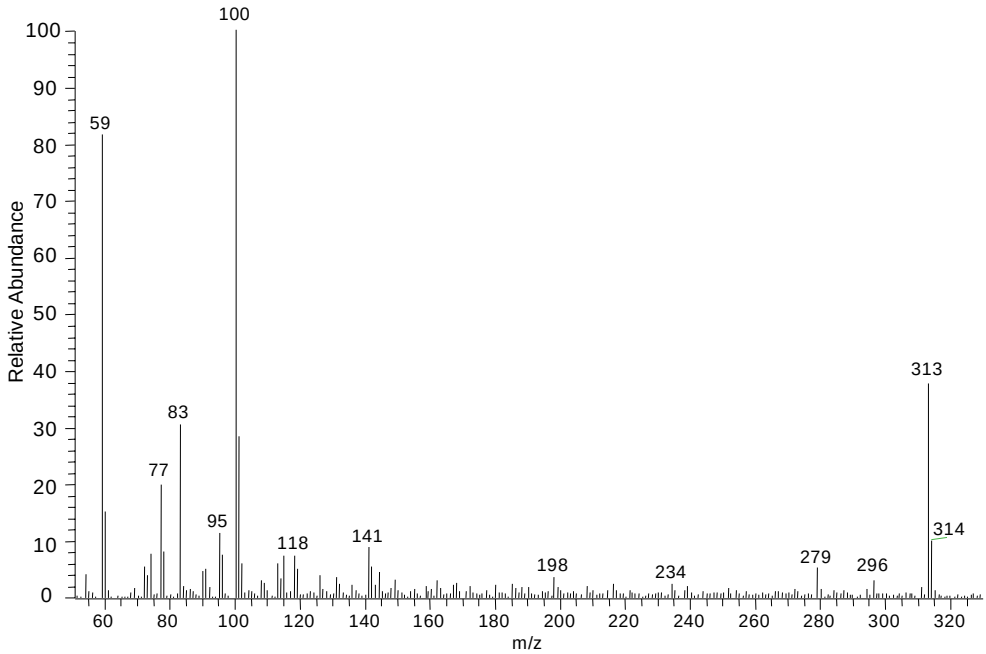




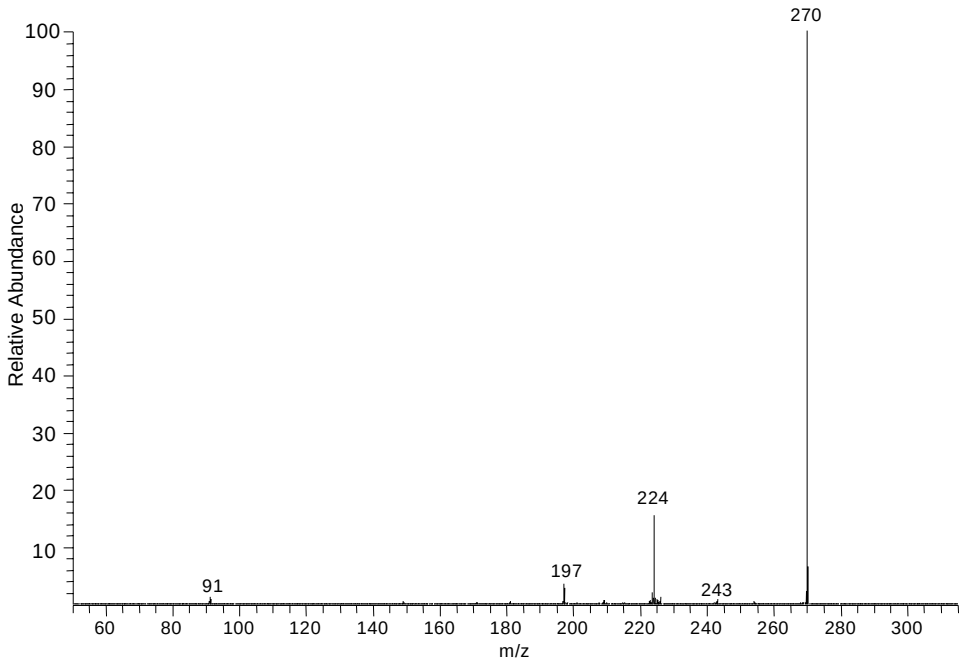
Sanguinone B (**2**): ROESY, 900 MHz, D_2O, 280 K



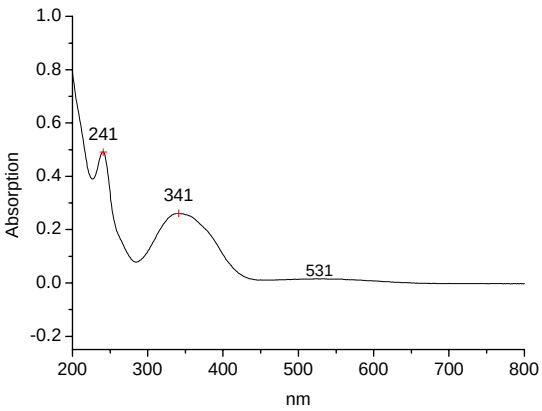
Sanguinone B (**2**): ESI-MS



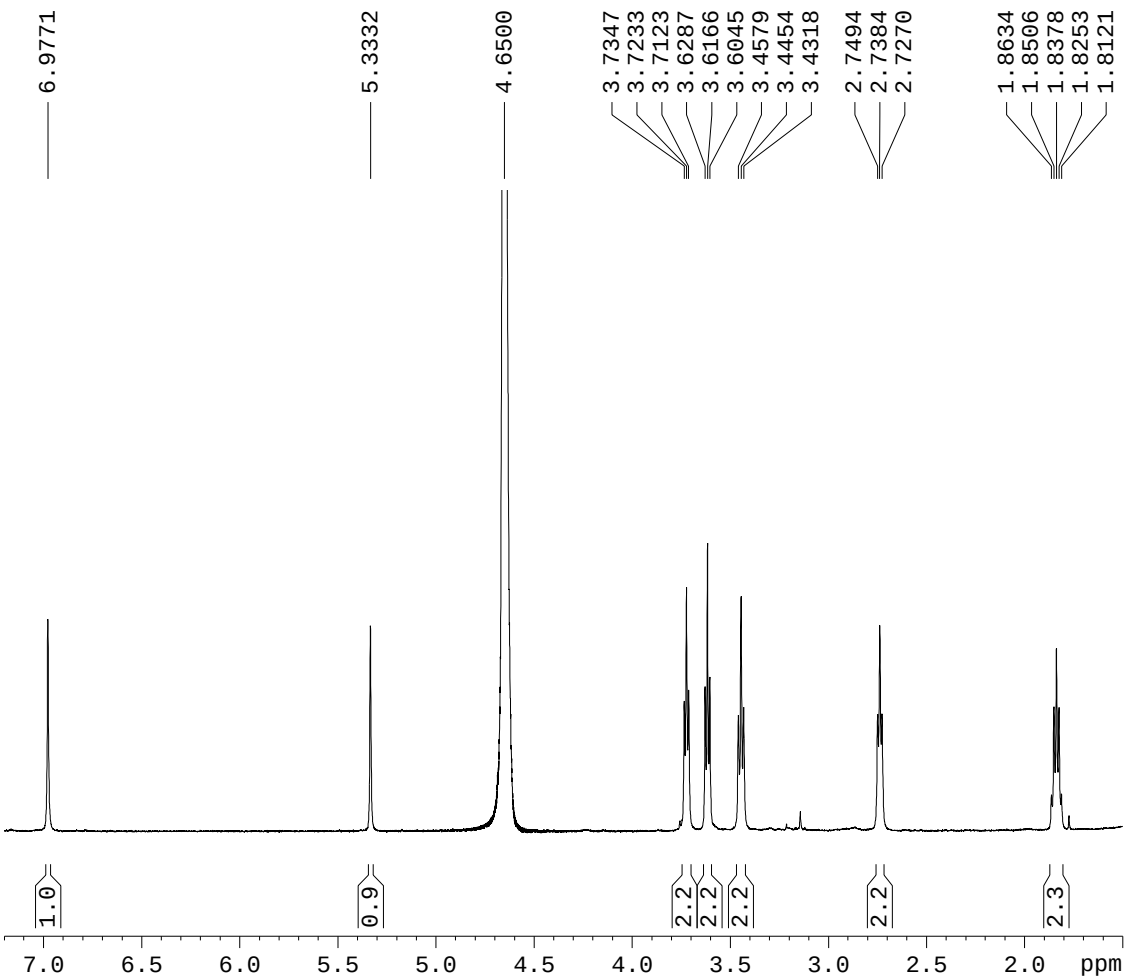
Sanguinone B (**2**): ESI-MS/MS (parent ion *m/z* 313, 30 eV)



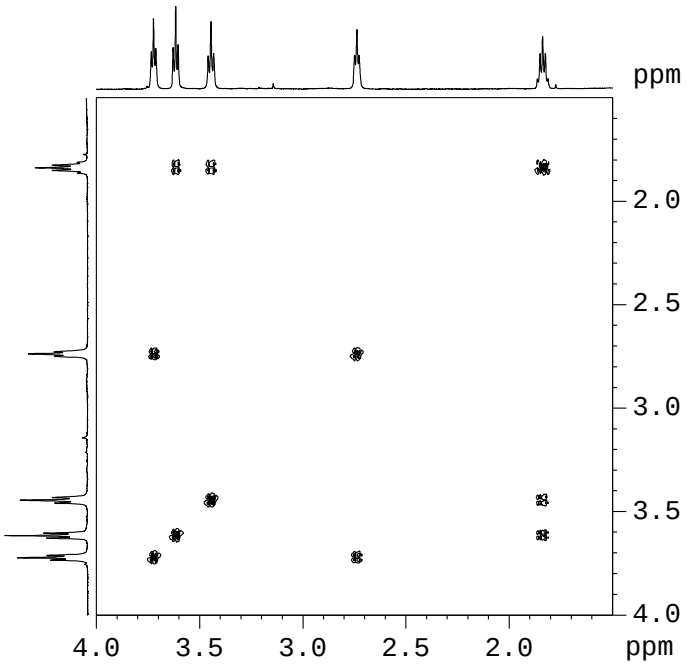
Sanguinolentaquinone (**3**): UV in H_2O



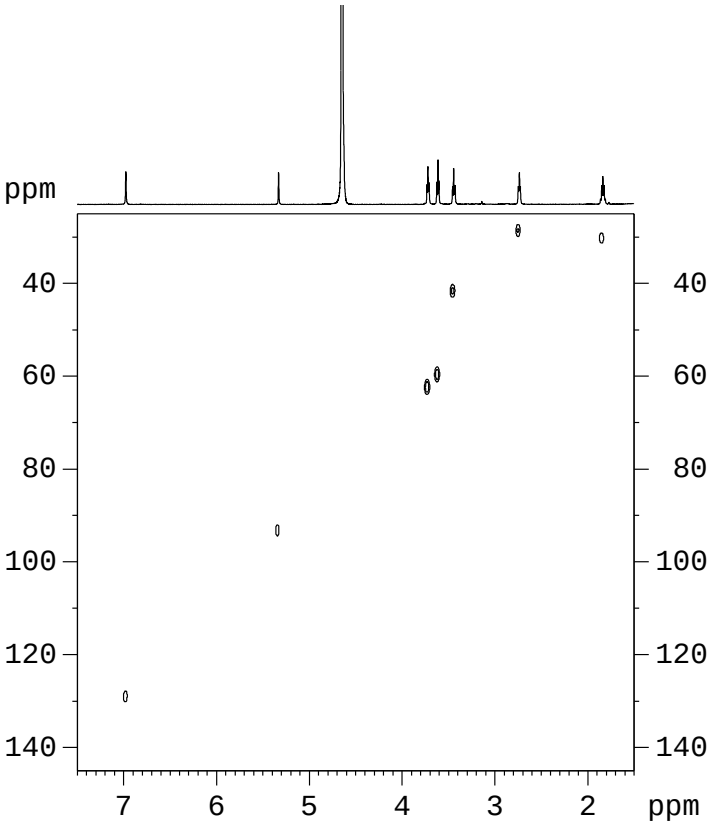
Sanguinolentaquinone (**3**): ^{1}H, 500 MHz, D_2O, 298 K



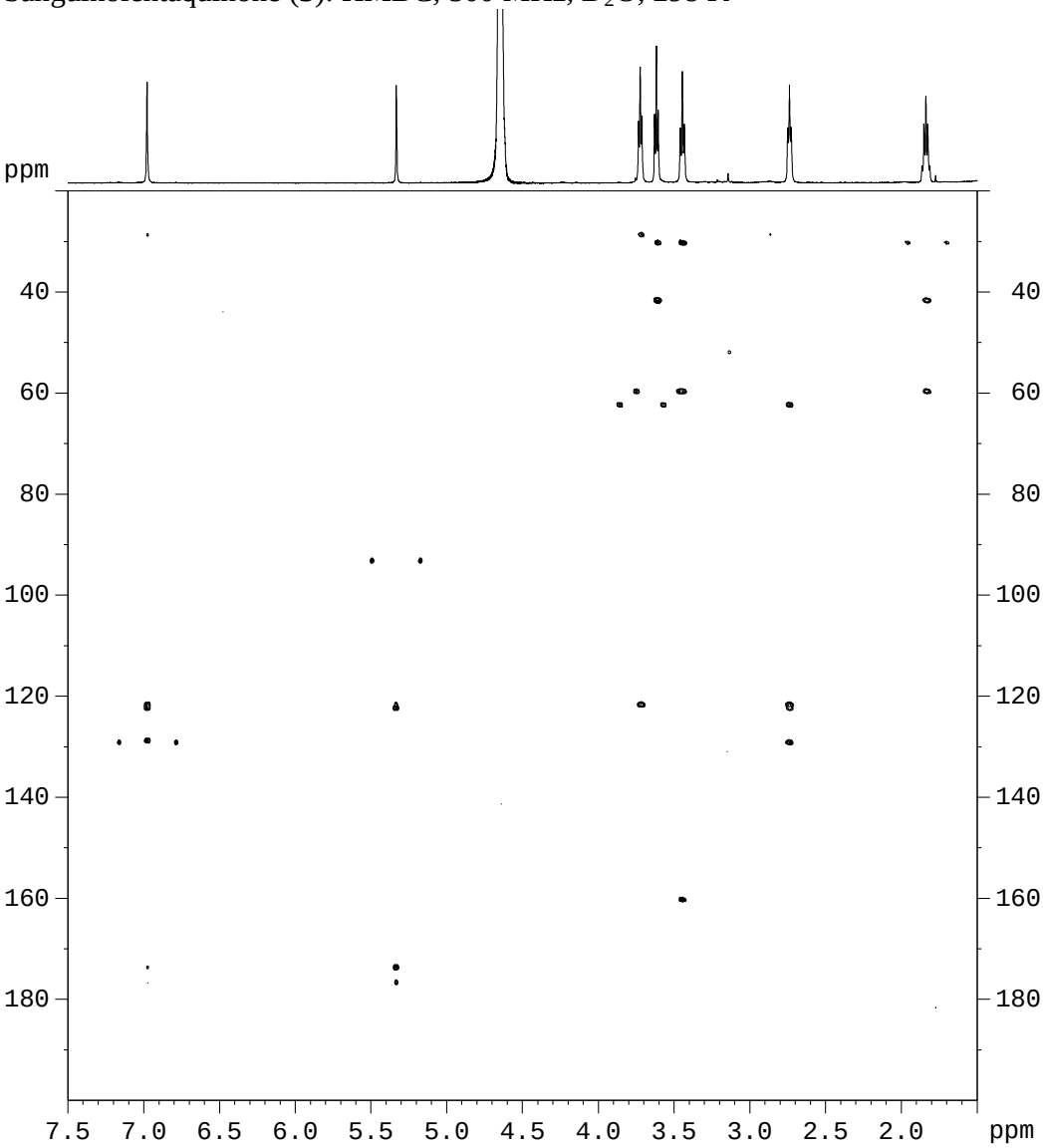
Sanguinolentaquinone (**3**): COSY, 500 MHz, D_2O, 298 K



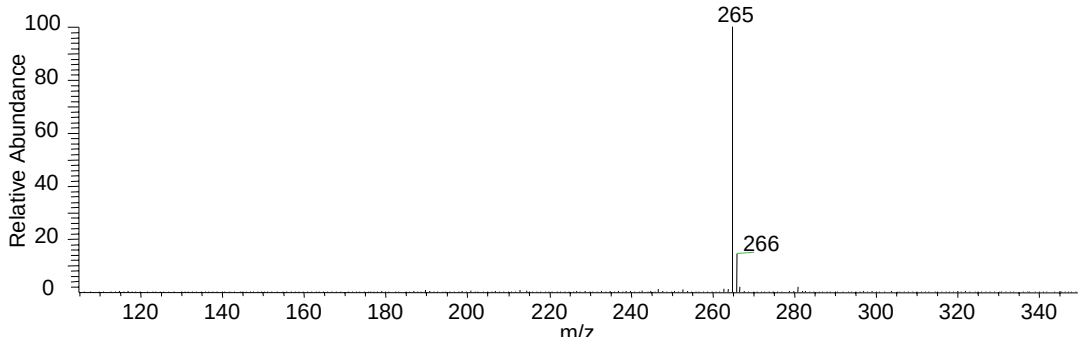
Sanguinolentaquinone (**3**): HSQC, 500 MHz, D_2O, 298 K



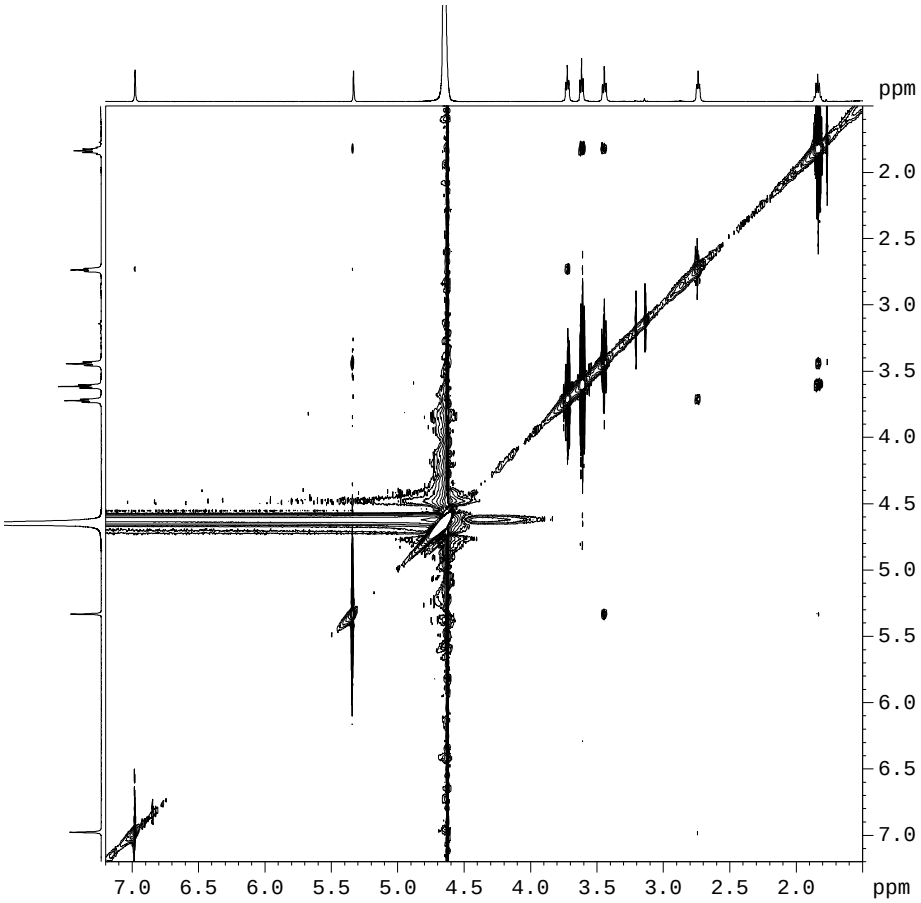
Sanguinolentaquinone (**3**): HMBC, 500 MHz, D_2O, 298 K



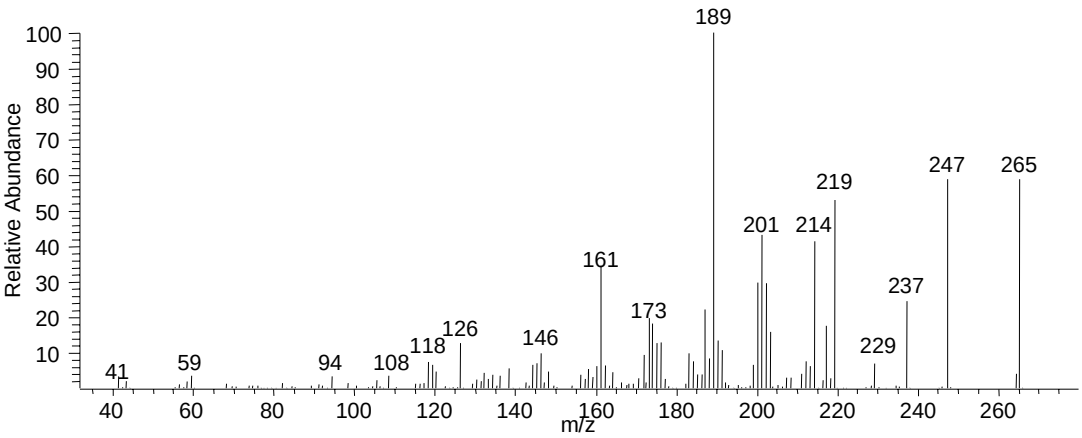
Sanguinolentaquinone (**3**): APCI-MS



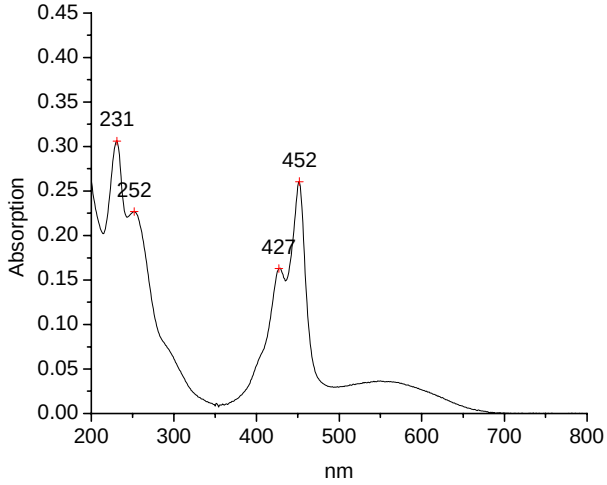
Sanguinolentaquinone (**3**): ROESY, 500 MHz, D_2O, 298 K



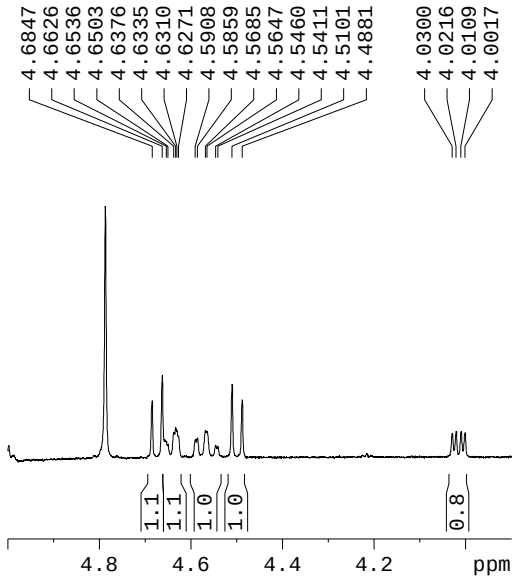
Sanguinolentaquinone (**3**): APCI-MS/MS (parent ion *m/z* 265, 30 eV)



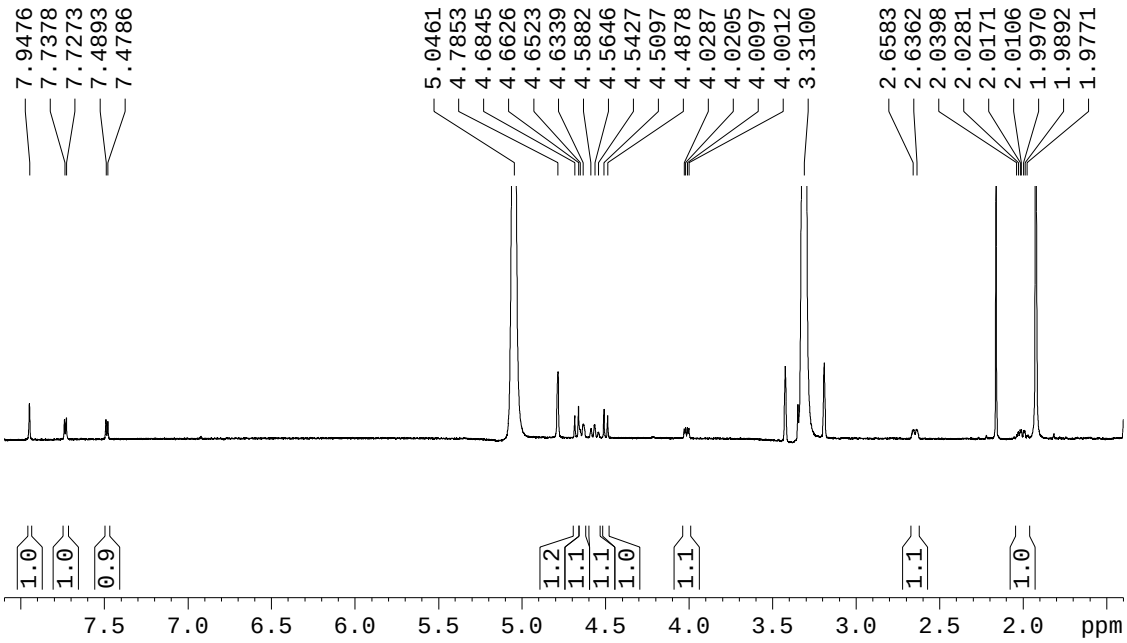
Compound **4**: UV-Vis in H_2O

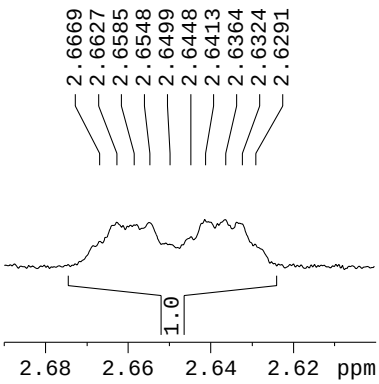


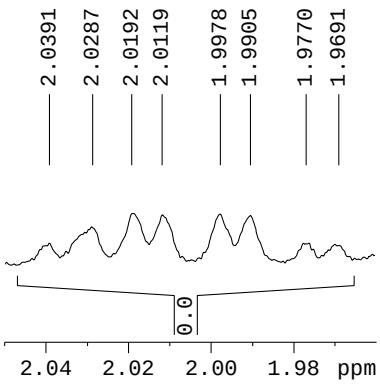
Compound **4**: ^{1}H, 600 MHz, CD_3OD, 280 K



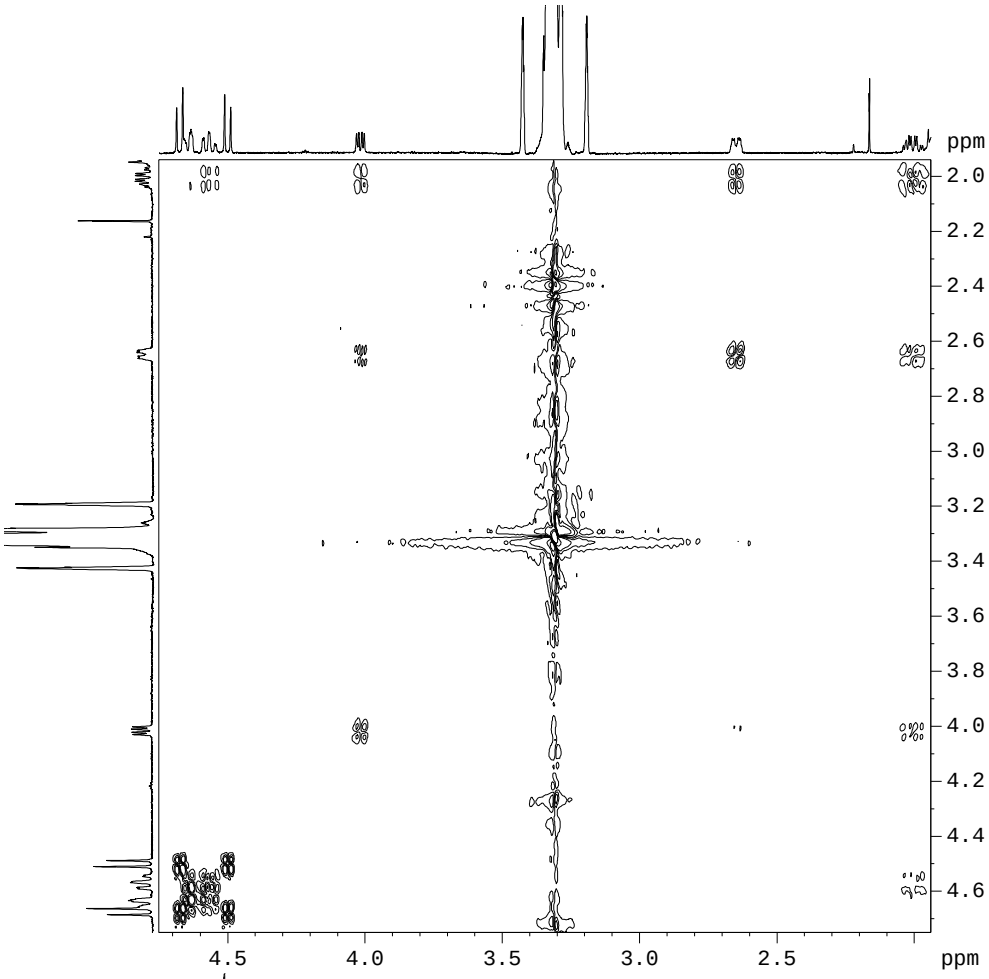
Compound **4**: ^{1}H, 600 MHz, CD_3OD, 280 K

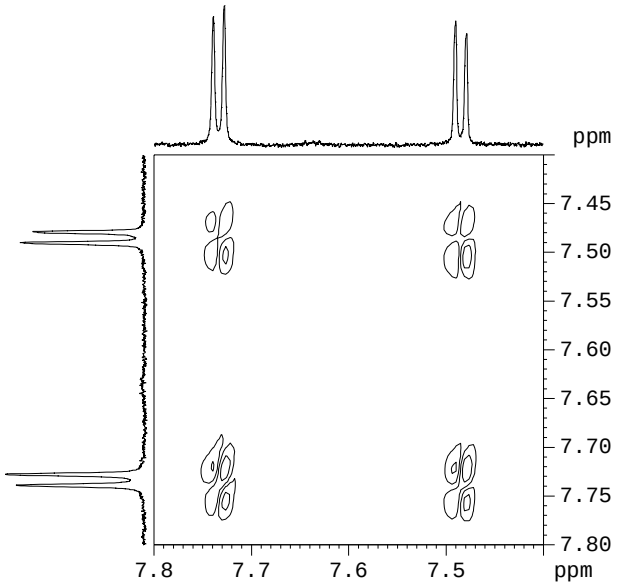




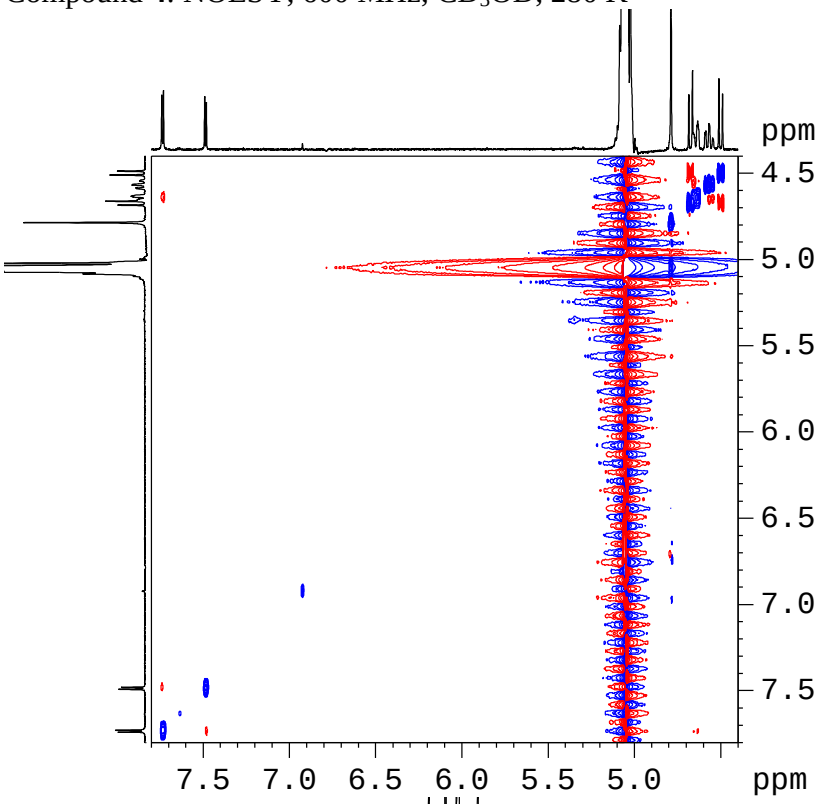


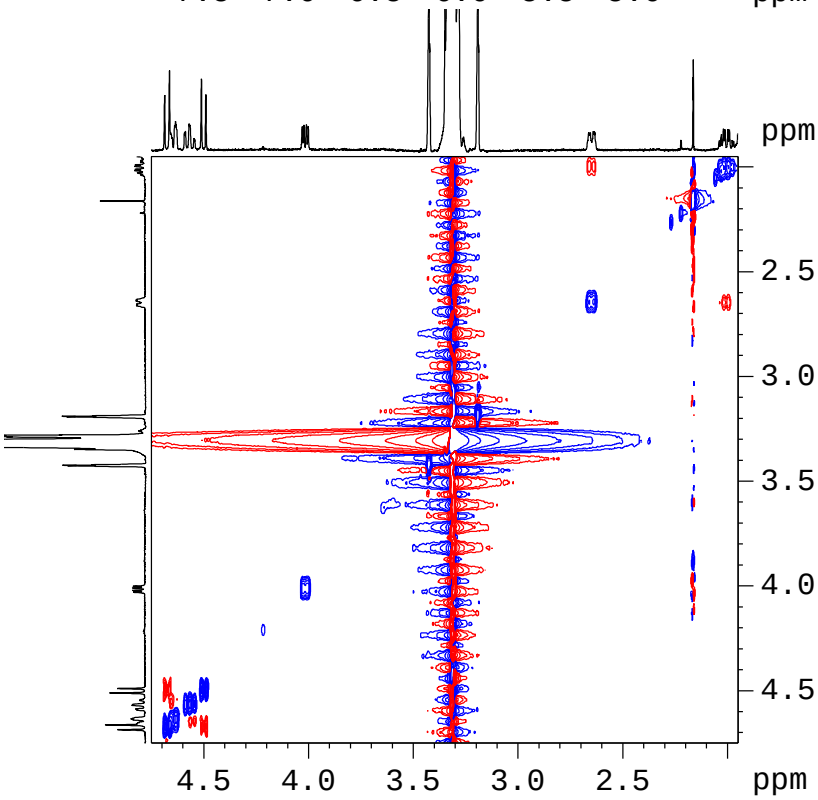
Compound **4**: COSY, 600 MHz, CD_3OD, 280 K



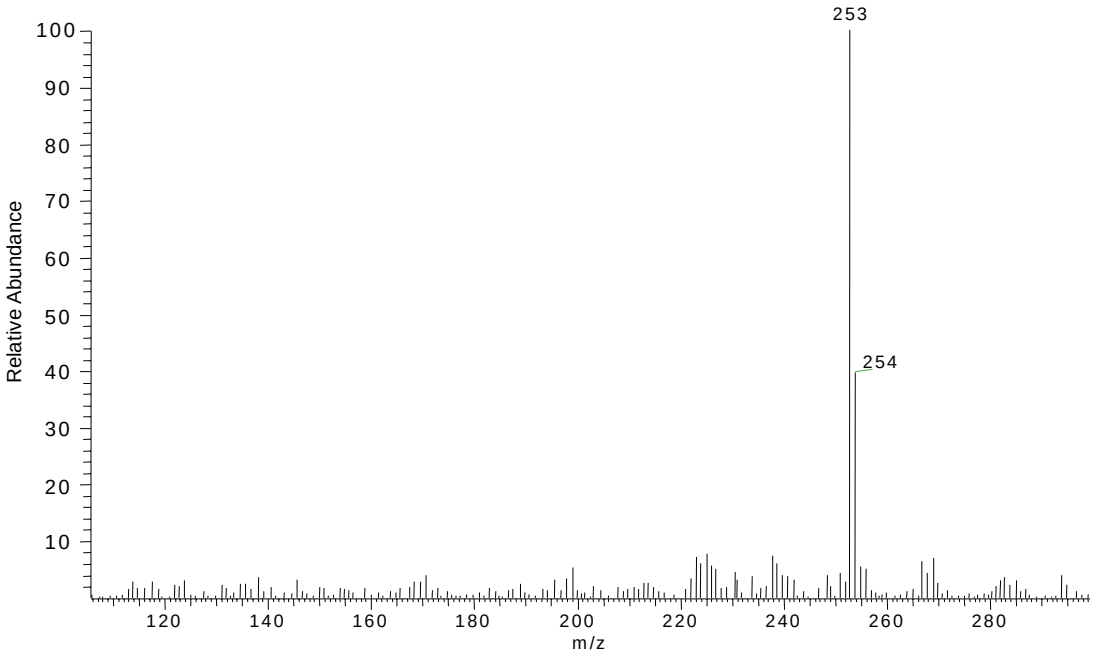
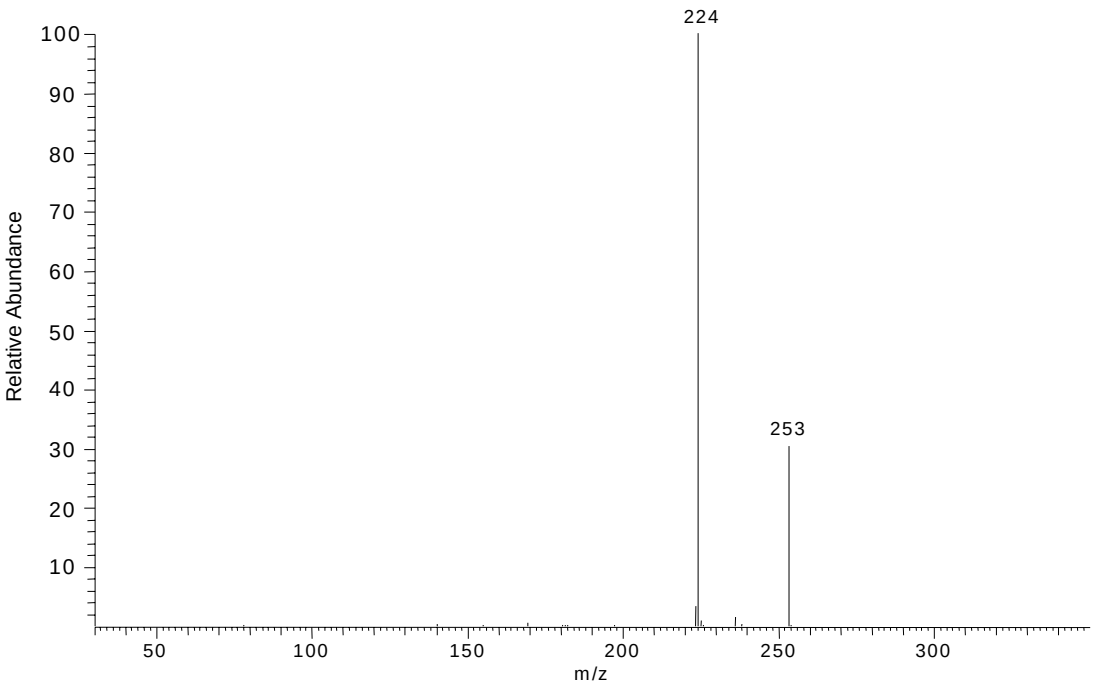


Compound **4**: NOESY, 600 MHz, CD_3OD, 280 K





Compound **4**: ESI-MS



Compound **4**: ESI-MS/MS (parent ion *m/z* 253, 20 eV)