

Electronic Supplementary Information (ESI)

Synthesis and Photophysical Properties of Ruthenocene-[60]Fullerene Dyads

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ESI 2 ¹H-NMR spectrum of compound **2**

ESI 3 ¹³C-NMR spectrum of compound **2**

ESI 4 ¹H-NMR spectrum of compound **3**

ESI 5 ¹³C-NMR spectrum of compound **3**

ESI 6 MS MALDI-TOF spectrum of compound **3**

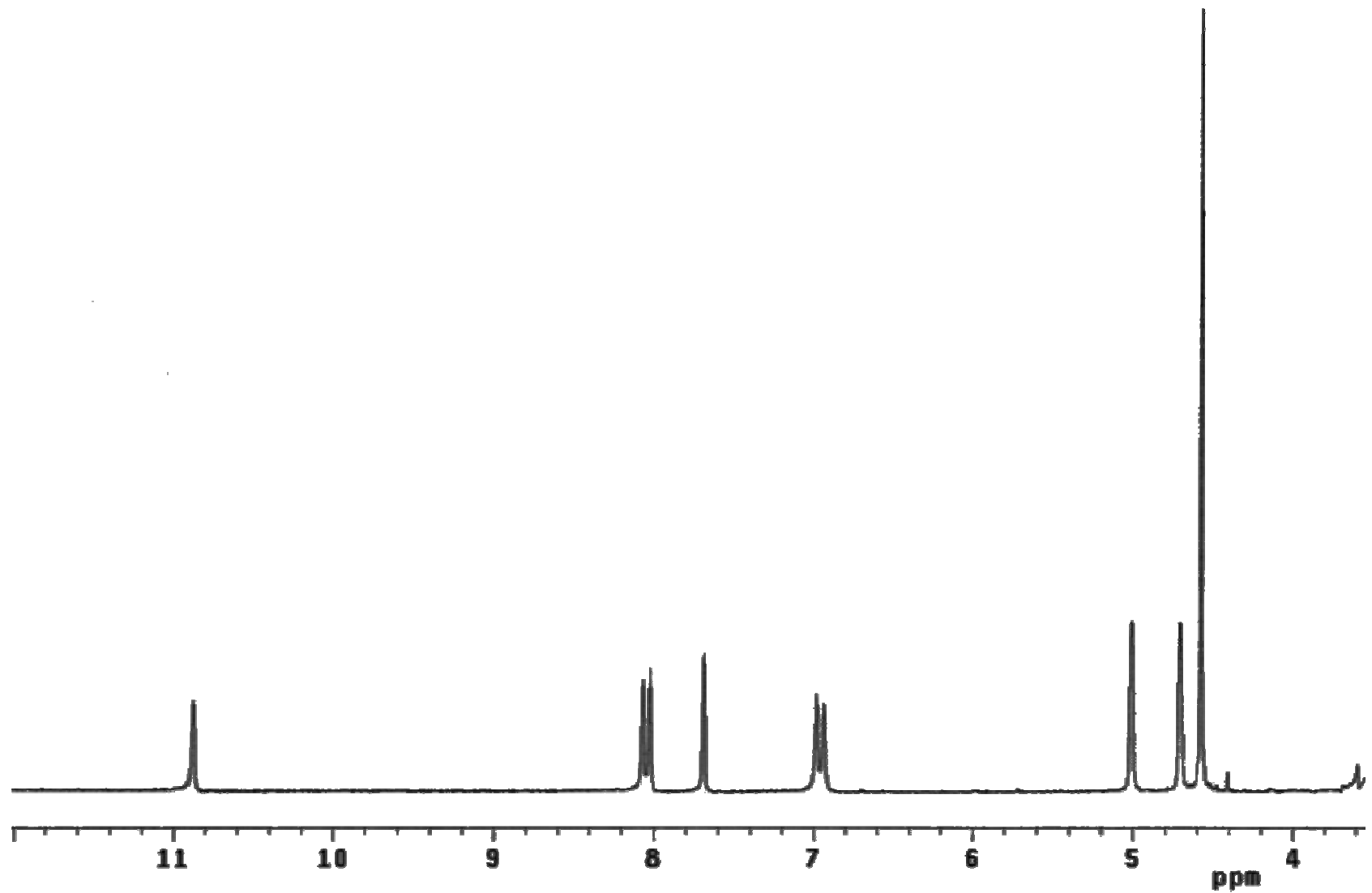
ESI 7 ¹H-NMR spectrum of compound **4**

ESI 8 ¹³C-NMR spectrum of compound **4**

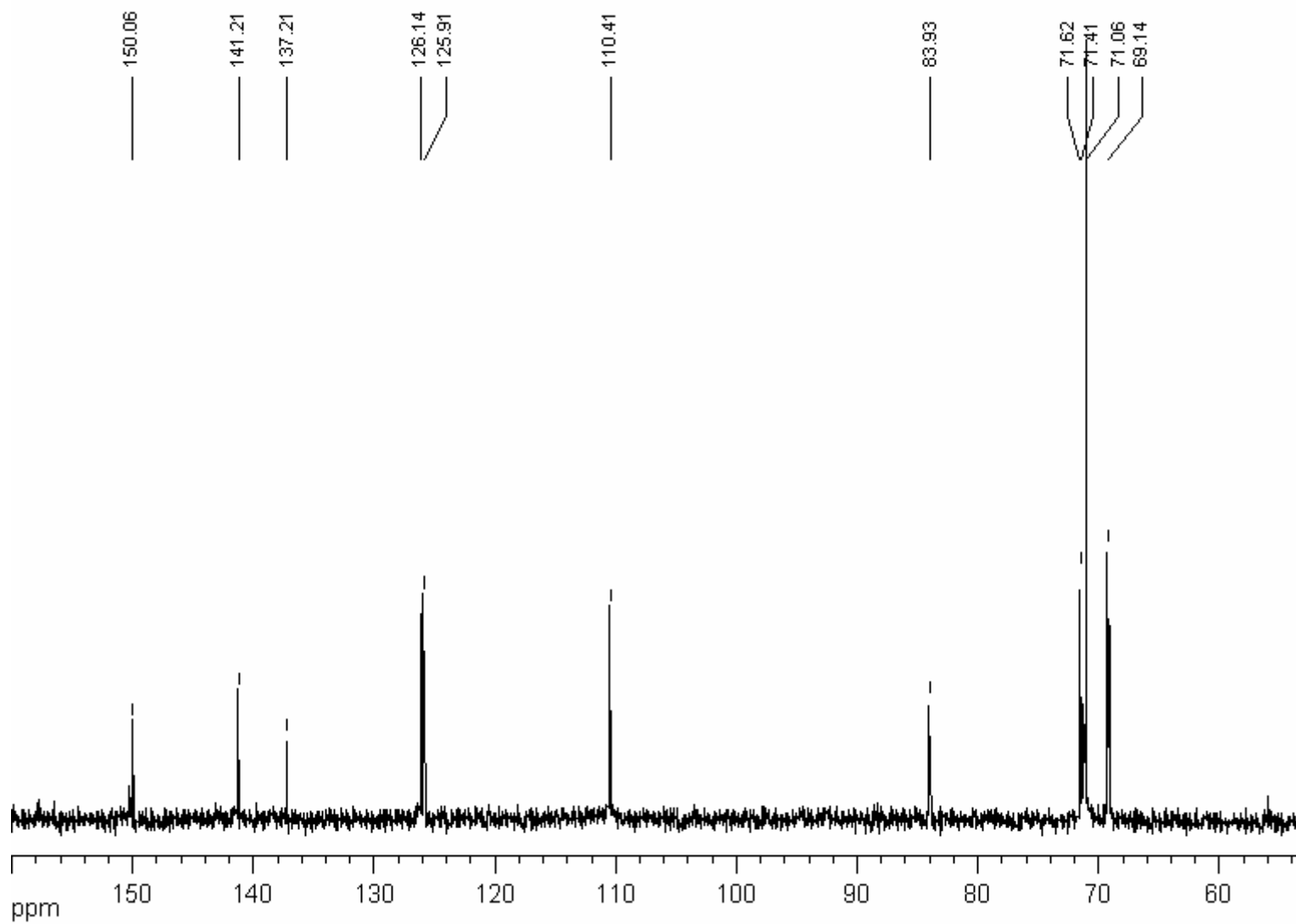
ESI 9 MS MALDI-TOF spectrum of compound **4**

ESI 10 (a) Time resolved spectra of **5** in toluene; (b) Fluorescence time profile of **5** at 700 nm in toluene. $\lambda_{\text{ex}} = 400$ nm

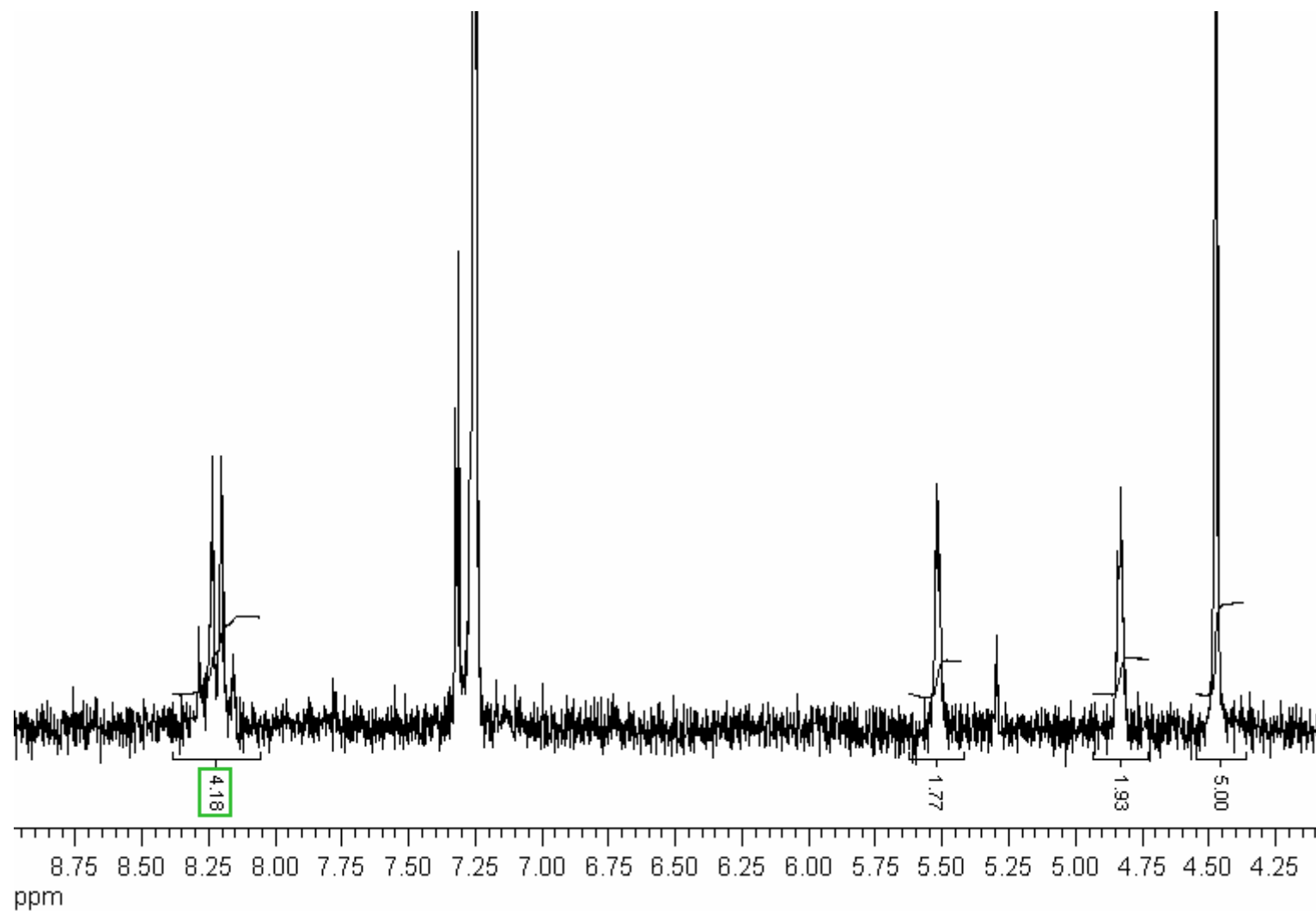
ESI11 Transient absorption spectra obtained by 532 nm laser light of **5** in PhCN obtained by 532 nm laser light photolysis.



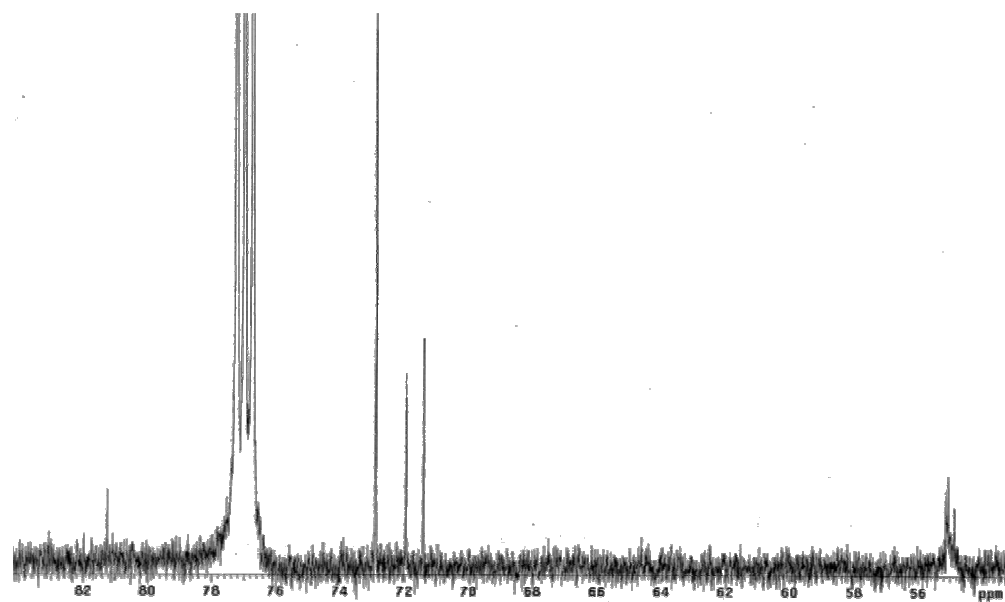
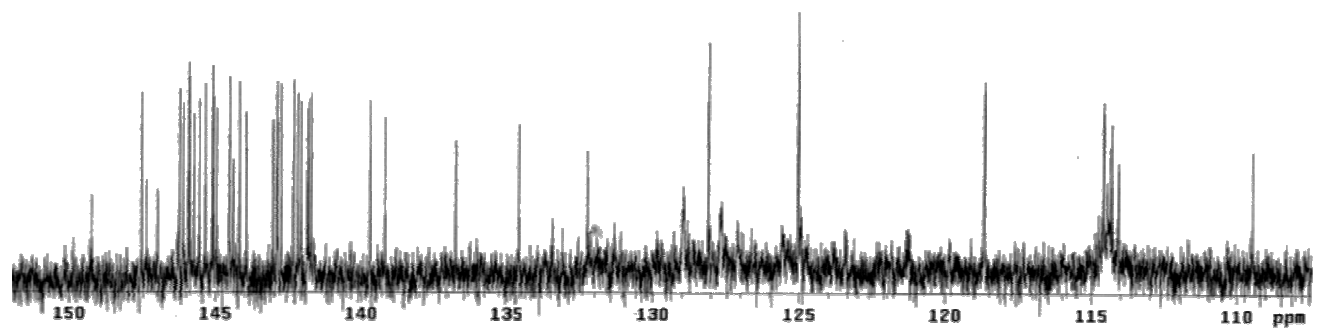
^1H NMR of compound 2



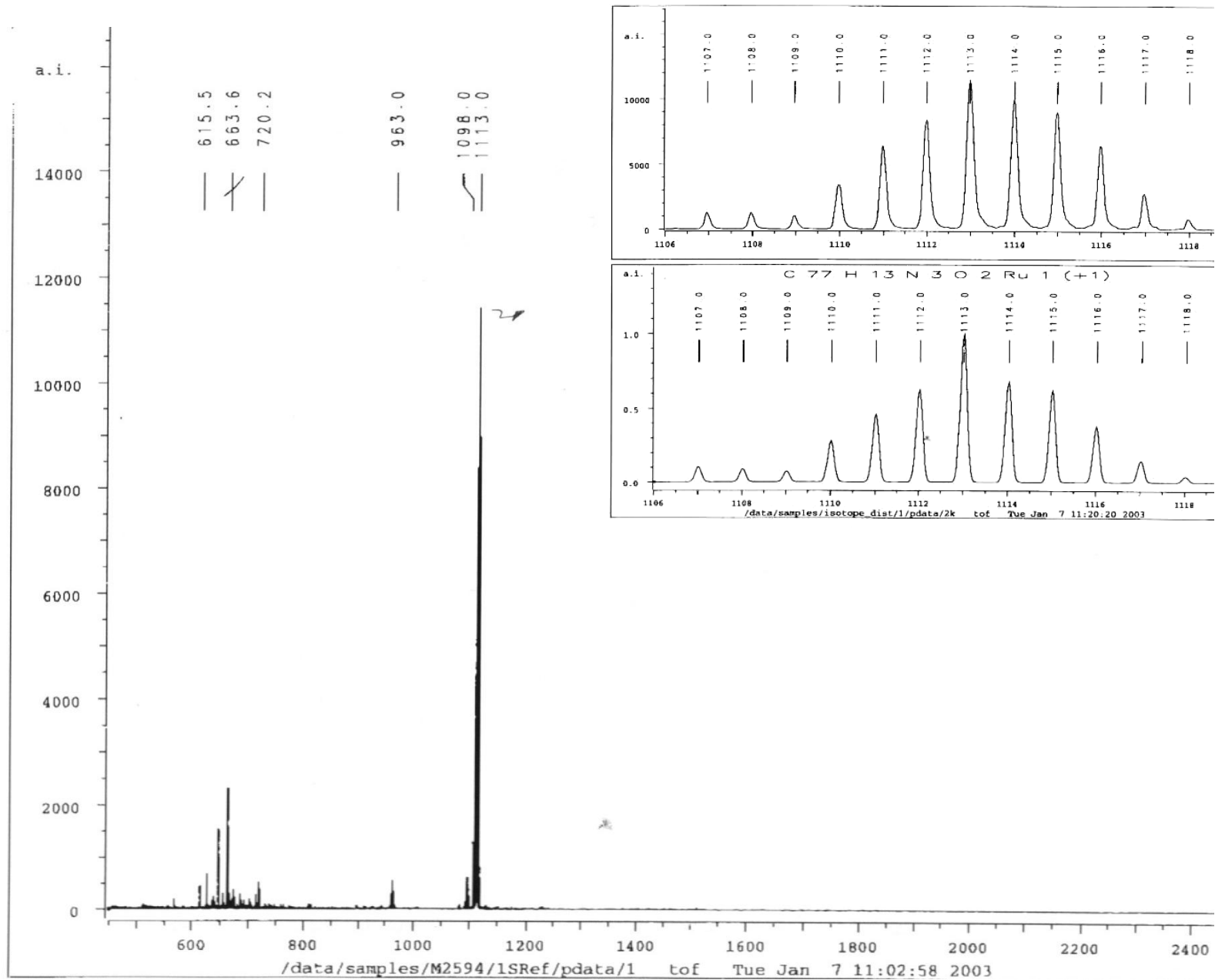
^{13}C NMR of compound 2



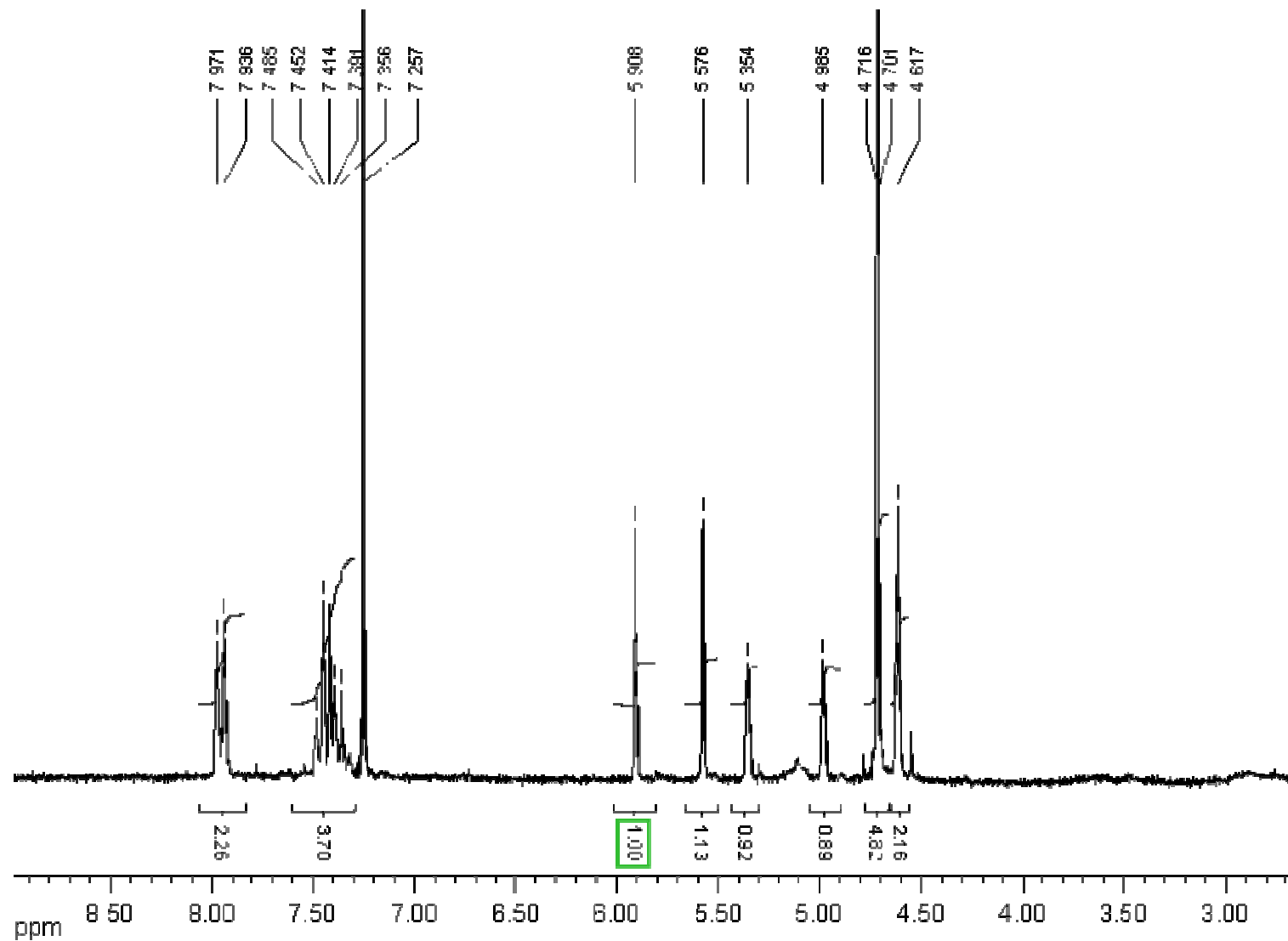
^1H NMR of compound 3



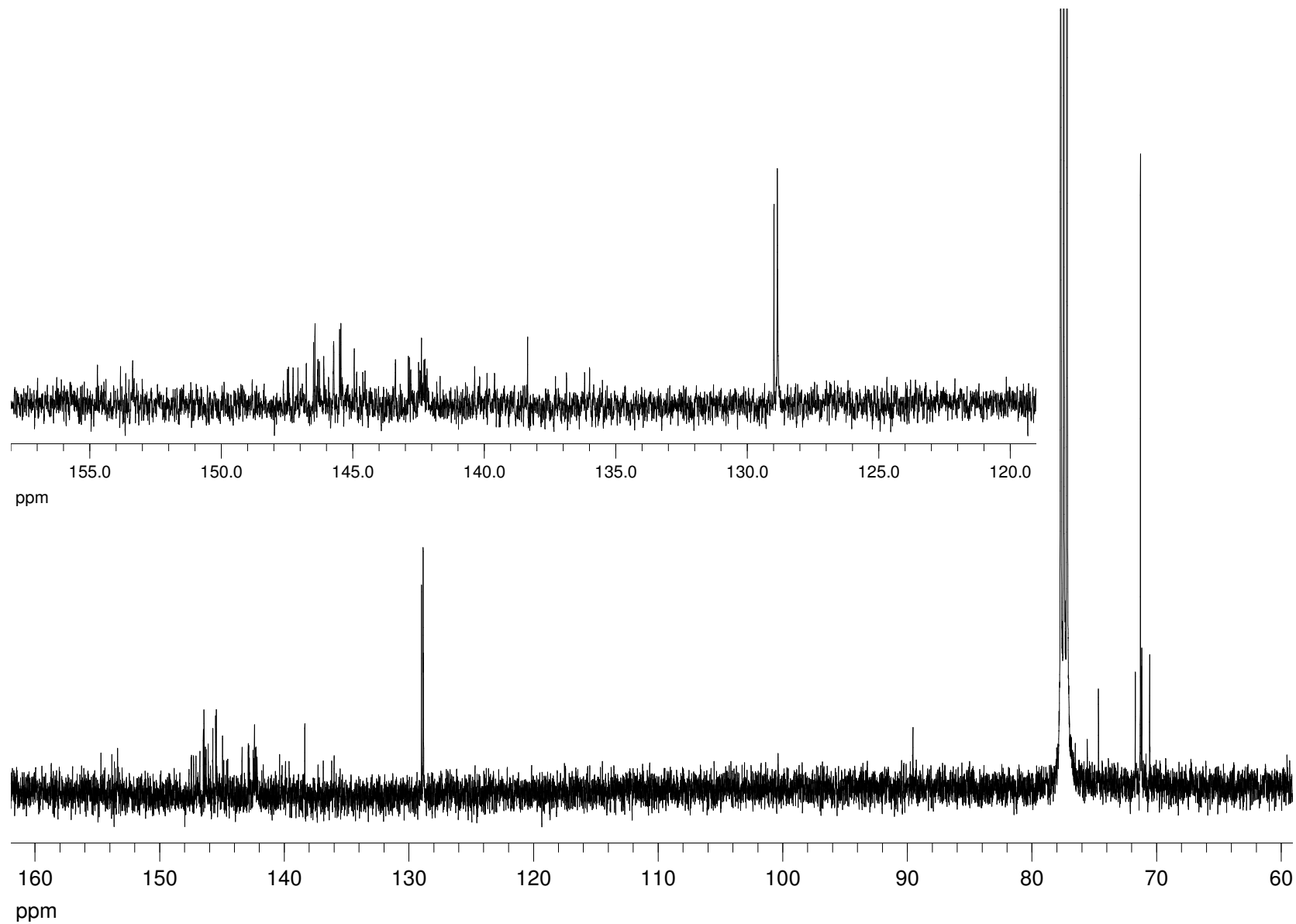
^{13}C NMR of compound 3



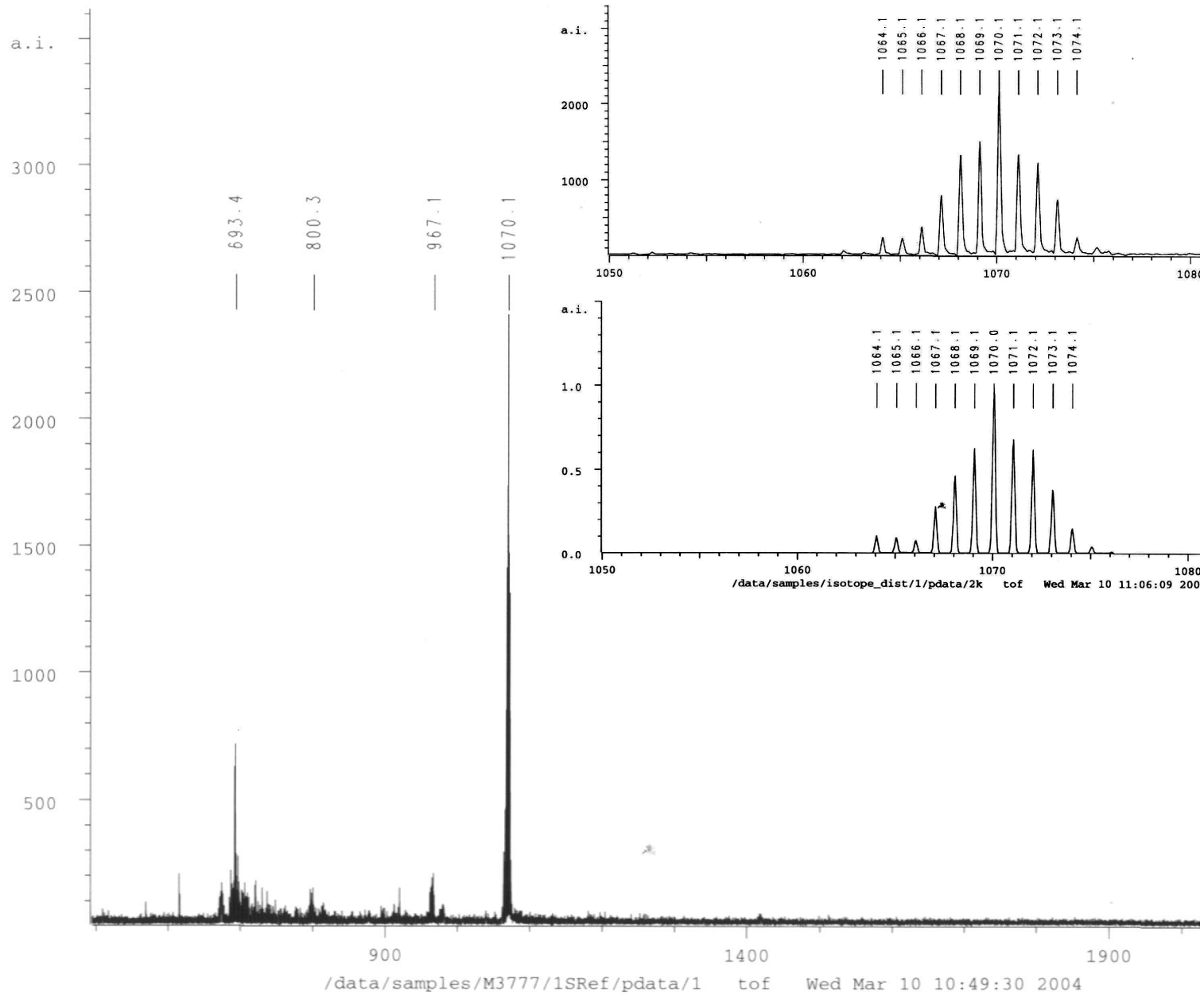
MS MALDI-TOF spectrum of compound 3



¹H NMR of compound 4



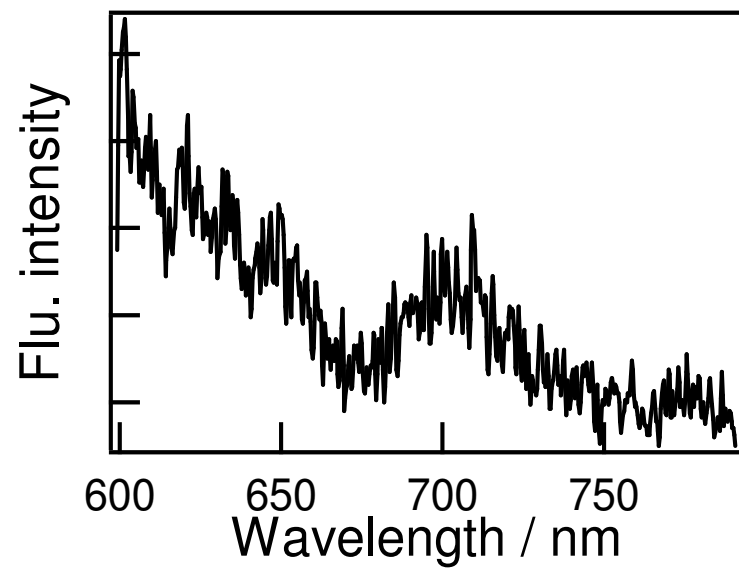
^{13}C NMR spectrum of compound **4**



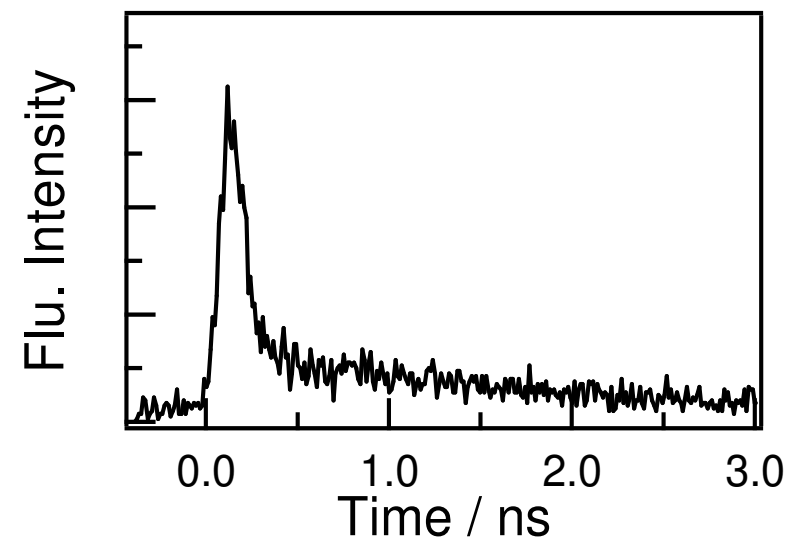
MS MALDI-TOF spectrum of compound 4

ESI9

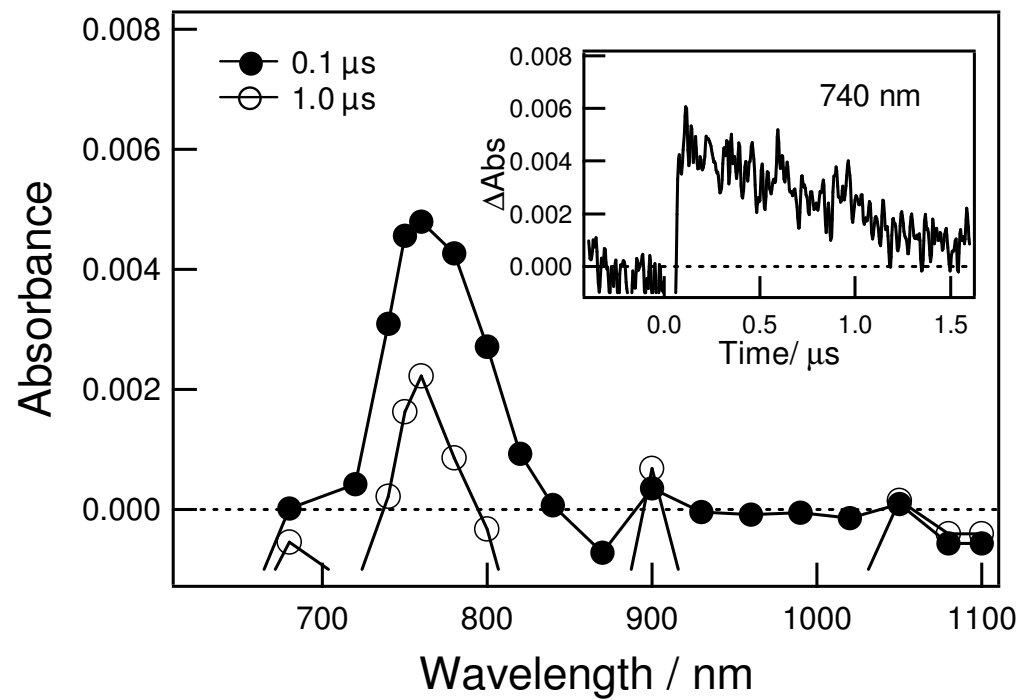
a)



b)



(a) Time resolved spectra of **5** in toluene; (b) Fluorescence time profile of **5** at 700 nm in toluene. $\lambda_{\text{ex}} = 400$ nm



Transient absorption spectra obtained by 532 nm laser light of **5** in PhCN obtained by 532 nm laser light photolysis