



Electronic Supplementary Information (copies of spectra)

Frontiers in the electrophilic nitration of *meso*-tetraphenylporphyrin derivatives

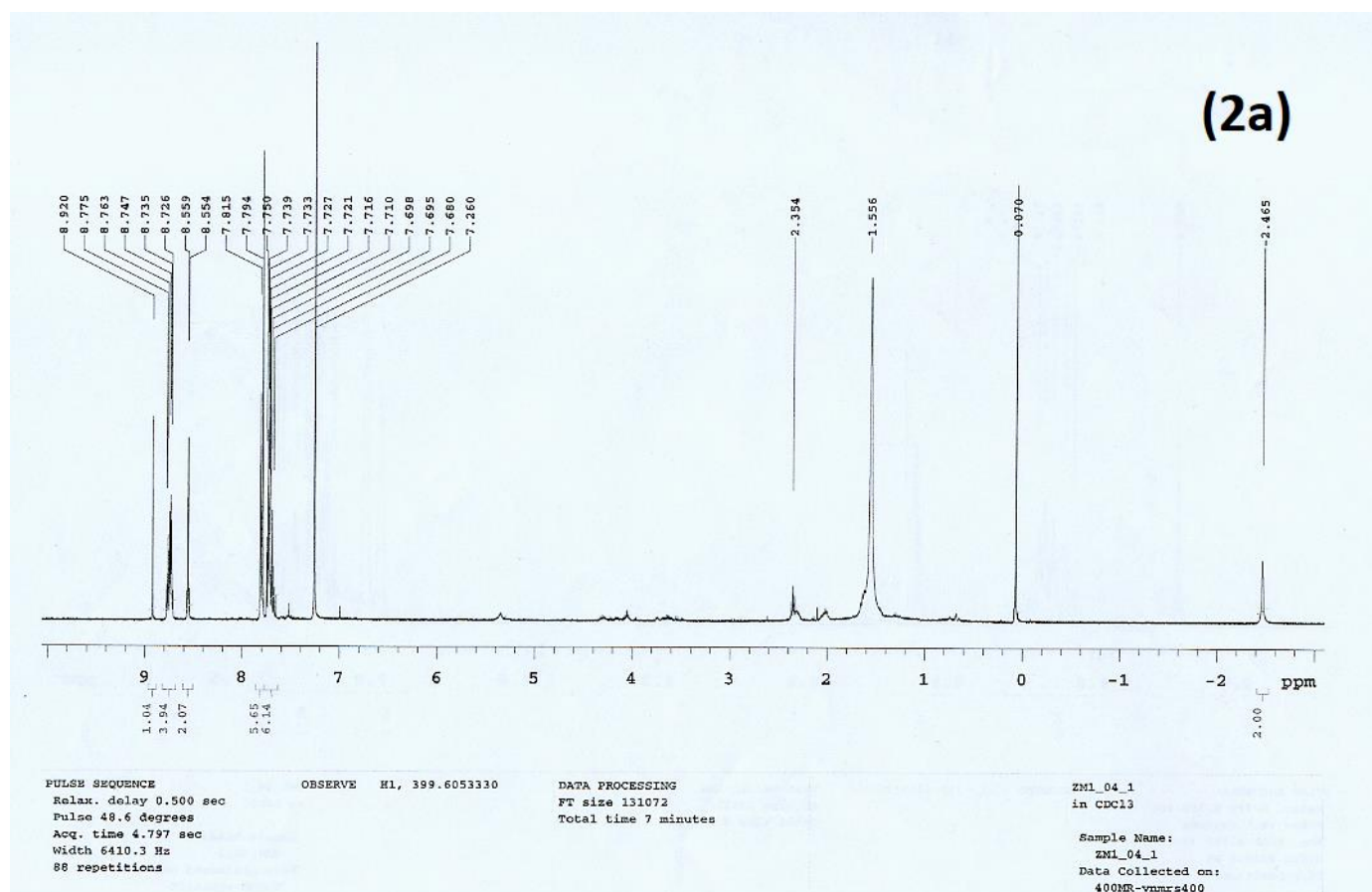
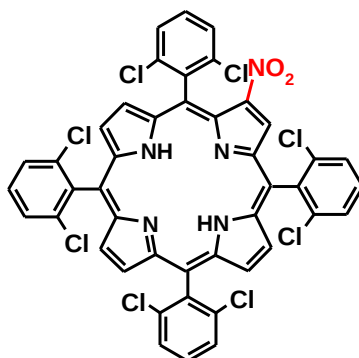
Agnieszka Mikus,* Monika Zając,† and Stanisław Ostrowski

Faculty of Chemistry, Warsaw University of Technology, ul. Noakowskiego 3, 00-664 Warszawa, Poland

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* Corresponding author; e-mail: a.mikus@ch.pw.edu.pl (A. Mikus)

† current address: Military University of Technology, Warsaw, Poland

2-nitro-5,10,15,20-tetrakis(2,6-dichlorophenyl)porphyrin (**2a**)**Figure 1.** ^1H NMR spectrum of product **2a**.

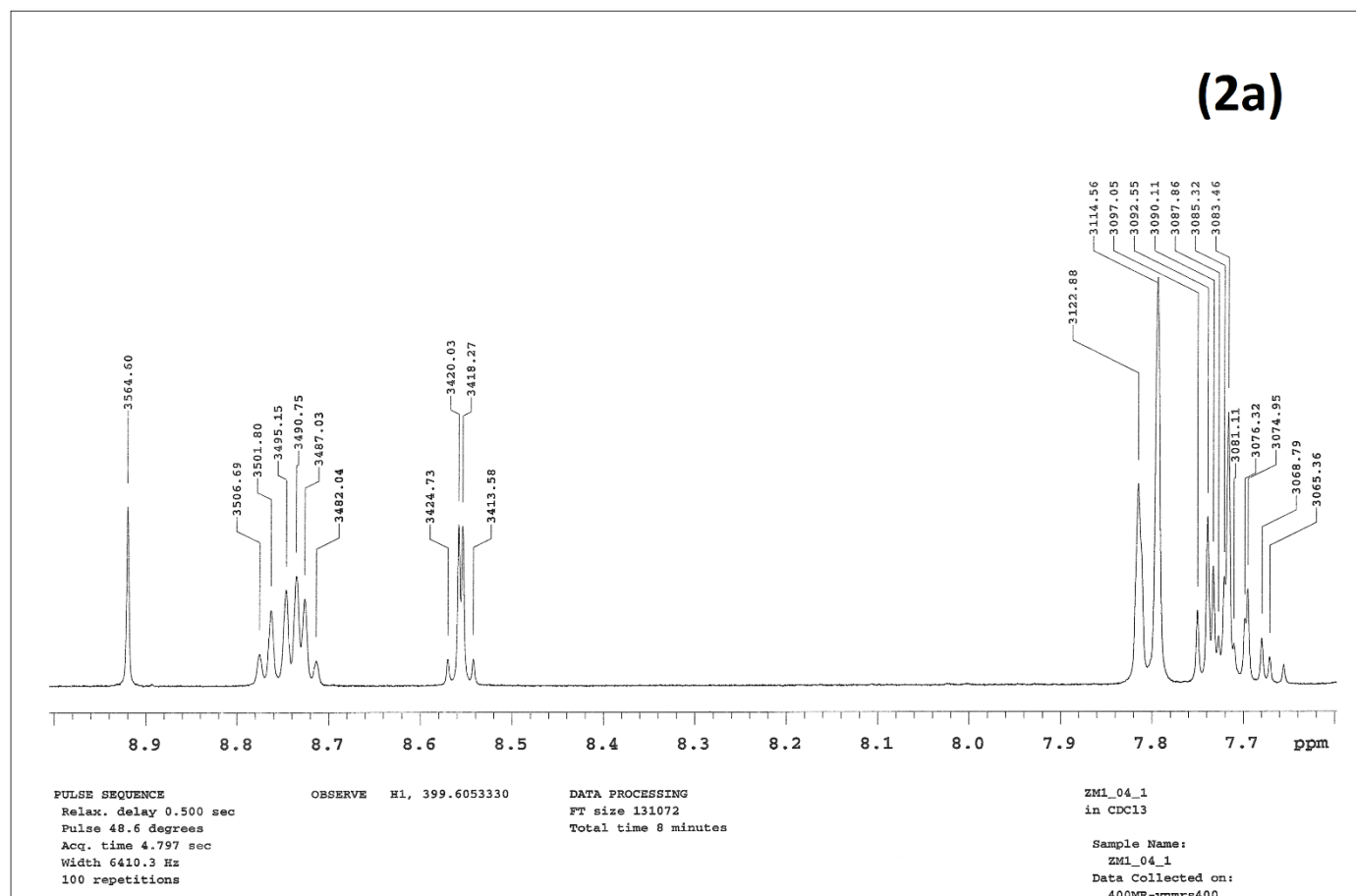


Figure 2. ^1H NMR spectrum of product **2a** (range: 7.60–9.00 ppm).

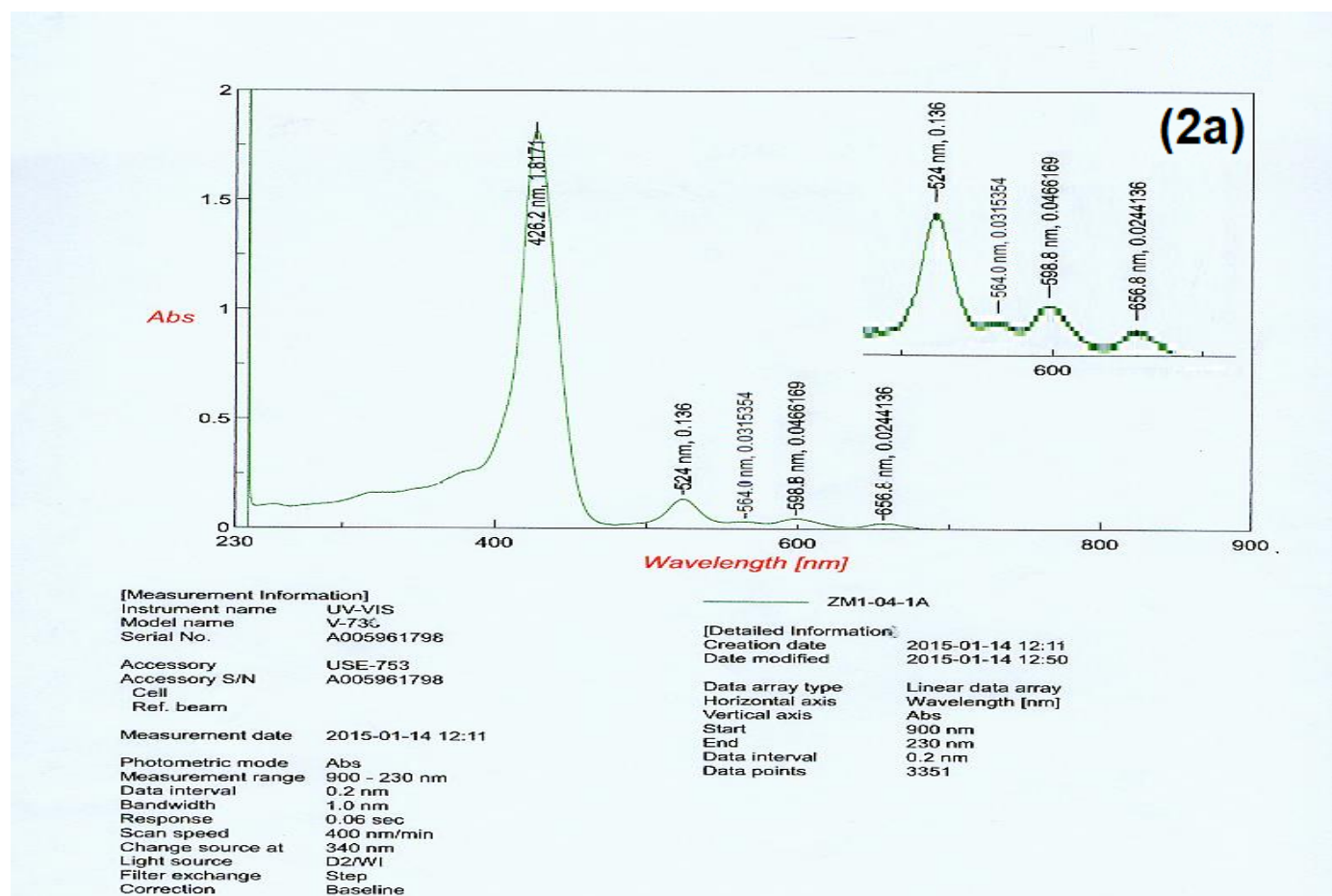


Figure 3. UV-vis spectrum of product 2a.

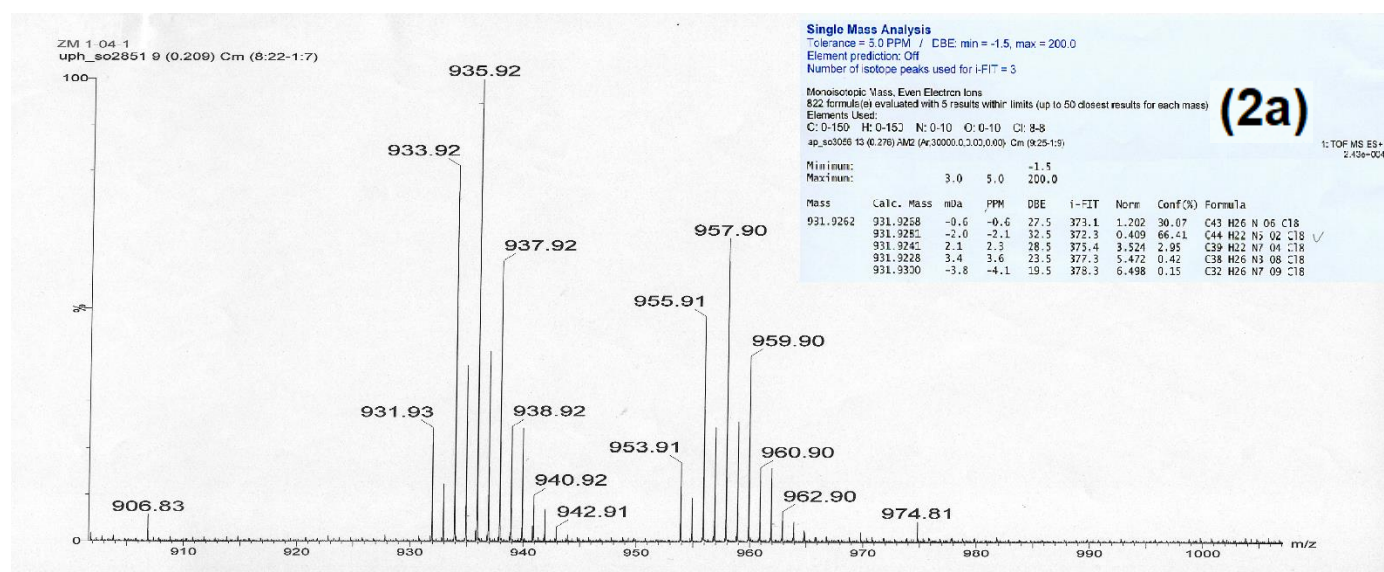


Figure 4. MS spectrum of product 2a (ESI technique; positive ions mode).

α,γ -dinitro-5,10,15,20-tetrakis(2,6-dichlorophenyl)porphyrin (mixture of isomers; **3**)

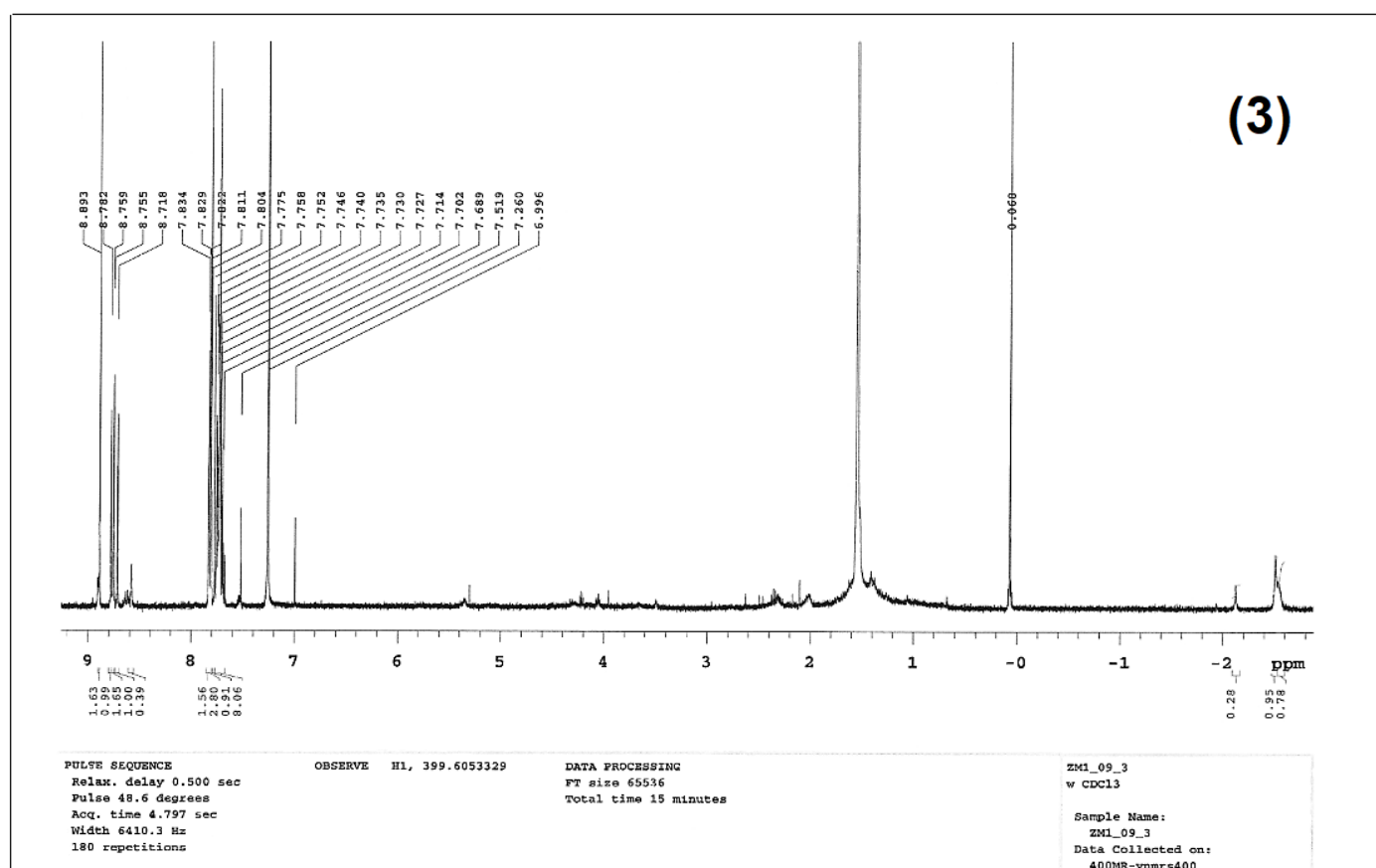
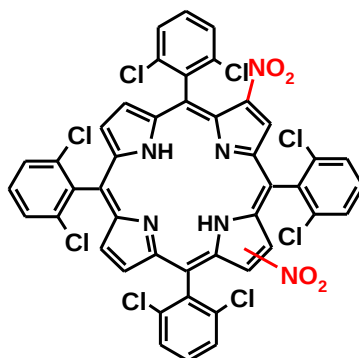


Figure 5. ^1H NMR spectrum of product **3**.

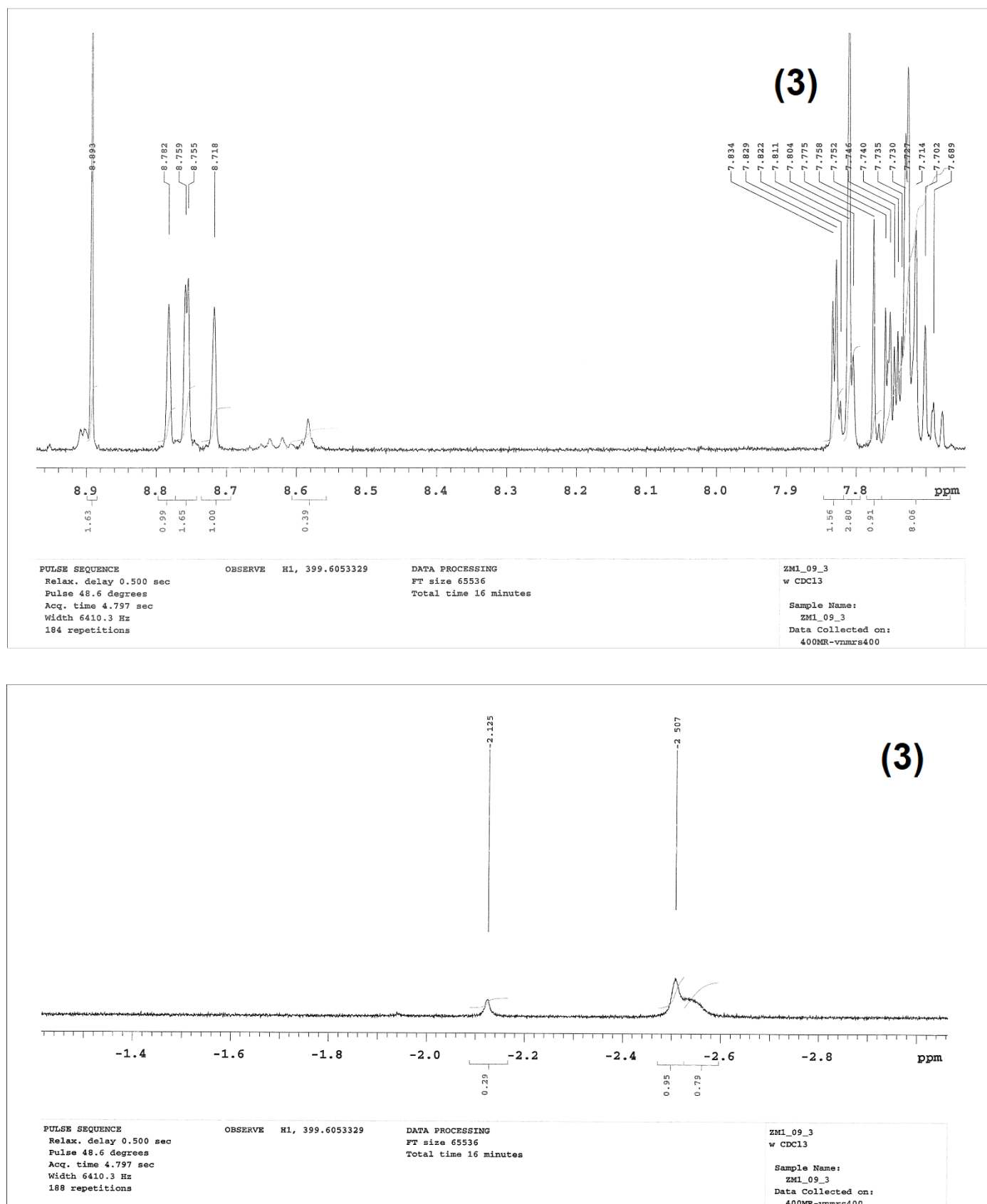


Figure 6. ^1H NMR spectra of product **3** (range: 7.65–8.95 ppm and (-3.00)–(-1.30) ppm).

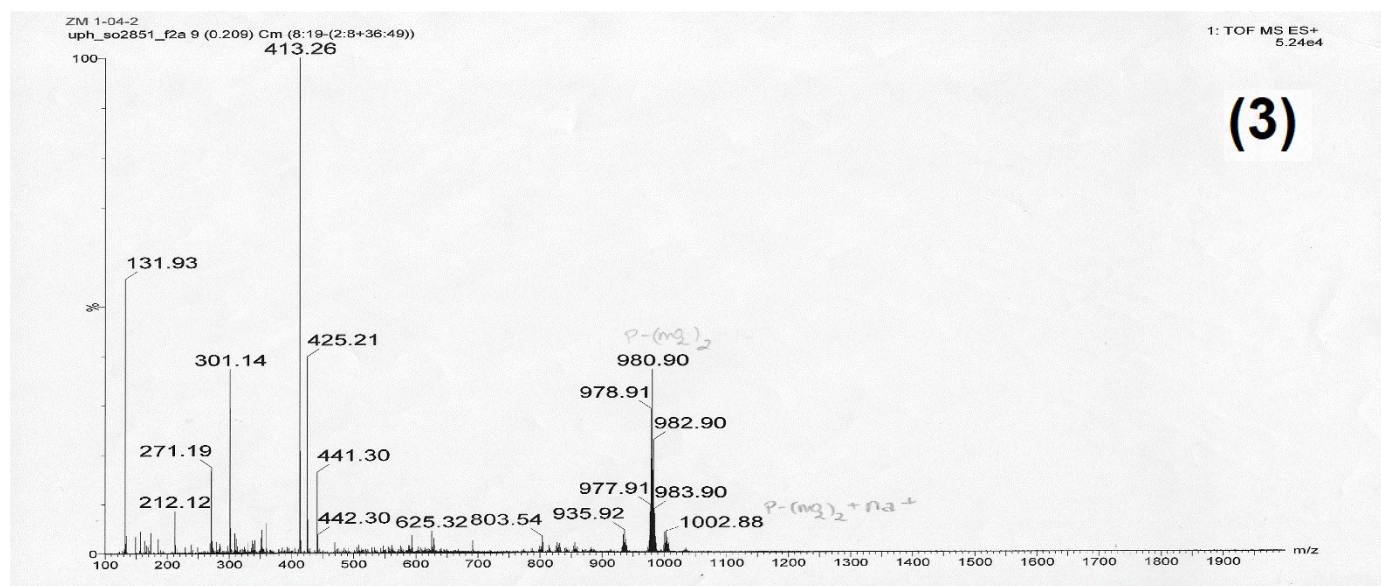


Figure 7. MS spectrum of product **3** (ESI technique; positive ions mode).

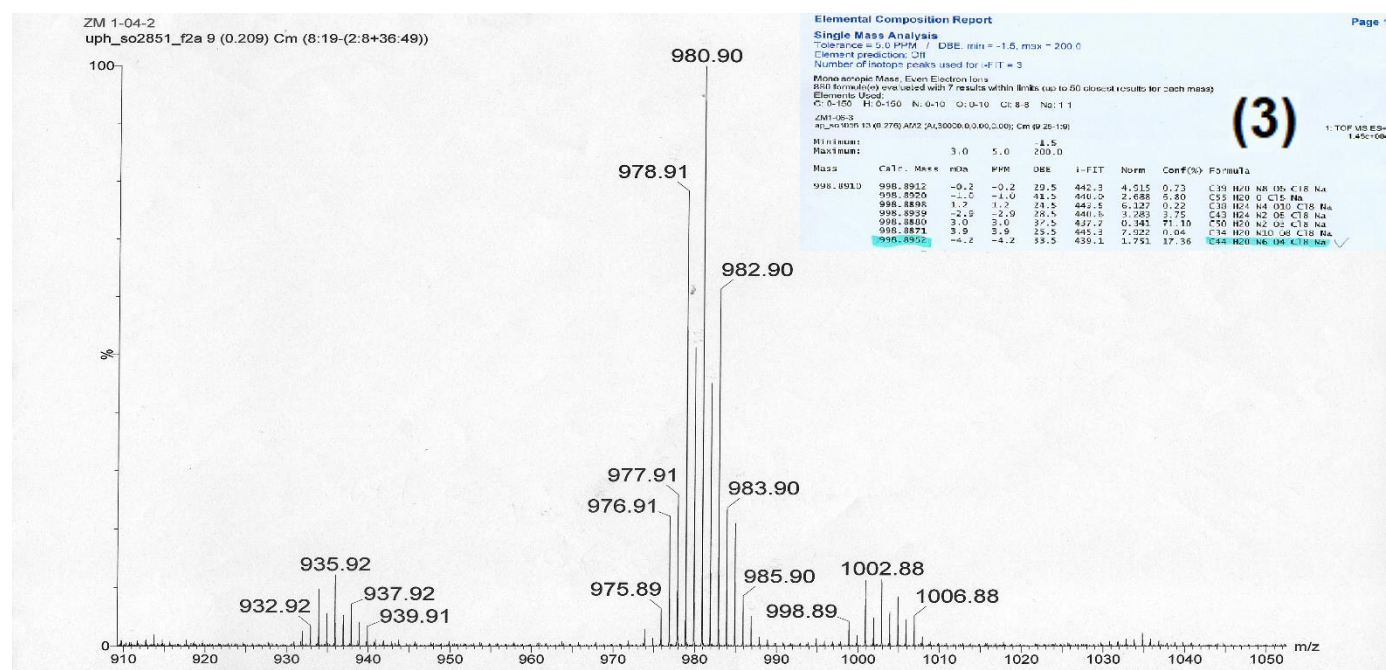
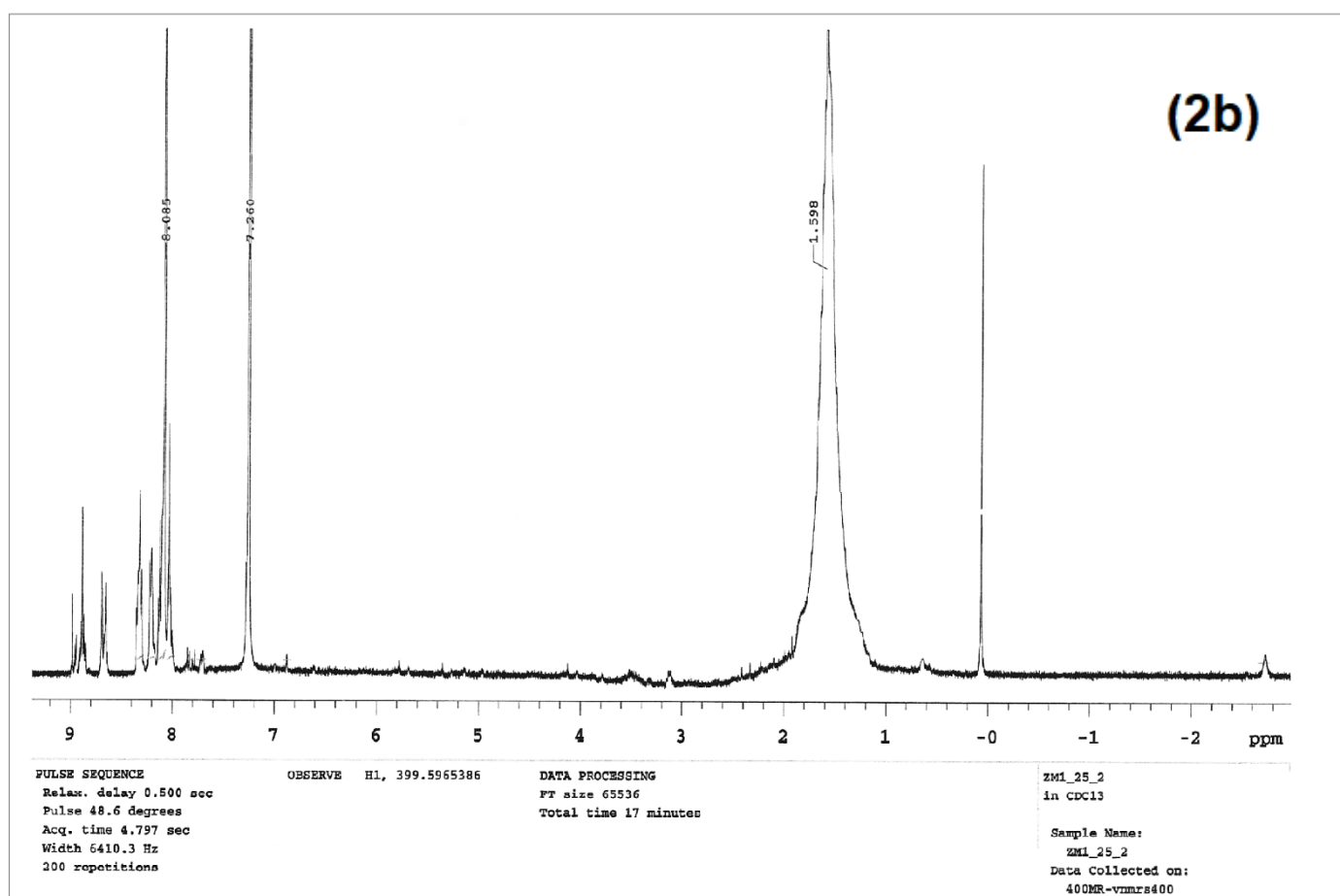
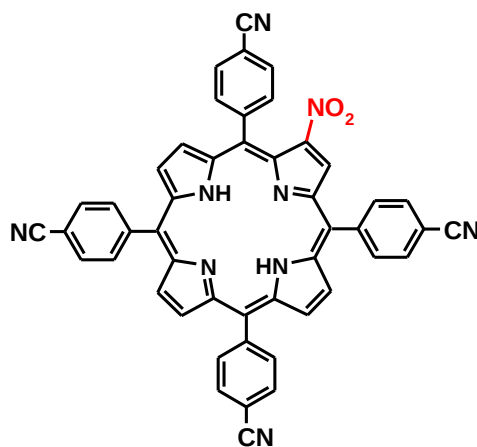


Figure 8. MS spectrum of product **3** (HR data; ESI technique, positive ions mode).

2-nitro-5,10,15,20-tetrakis(4-cyanophenyl)porphyrin (**2b**)**Figure 9.** ^1H NMR spectrum of product **2b**.

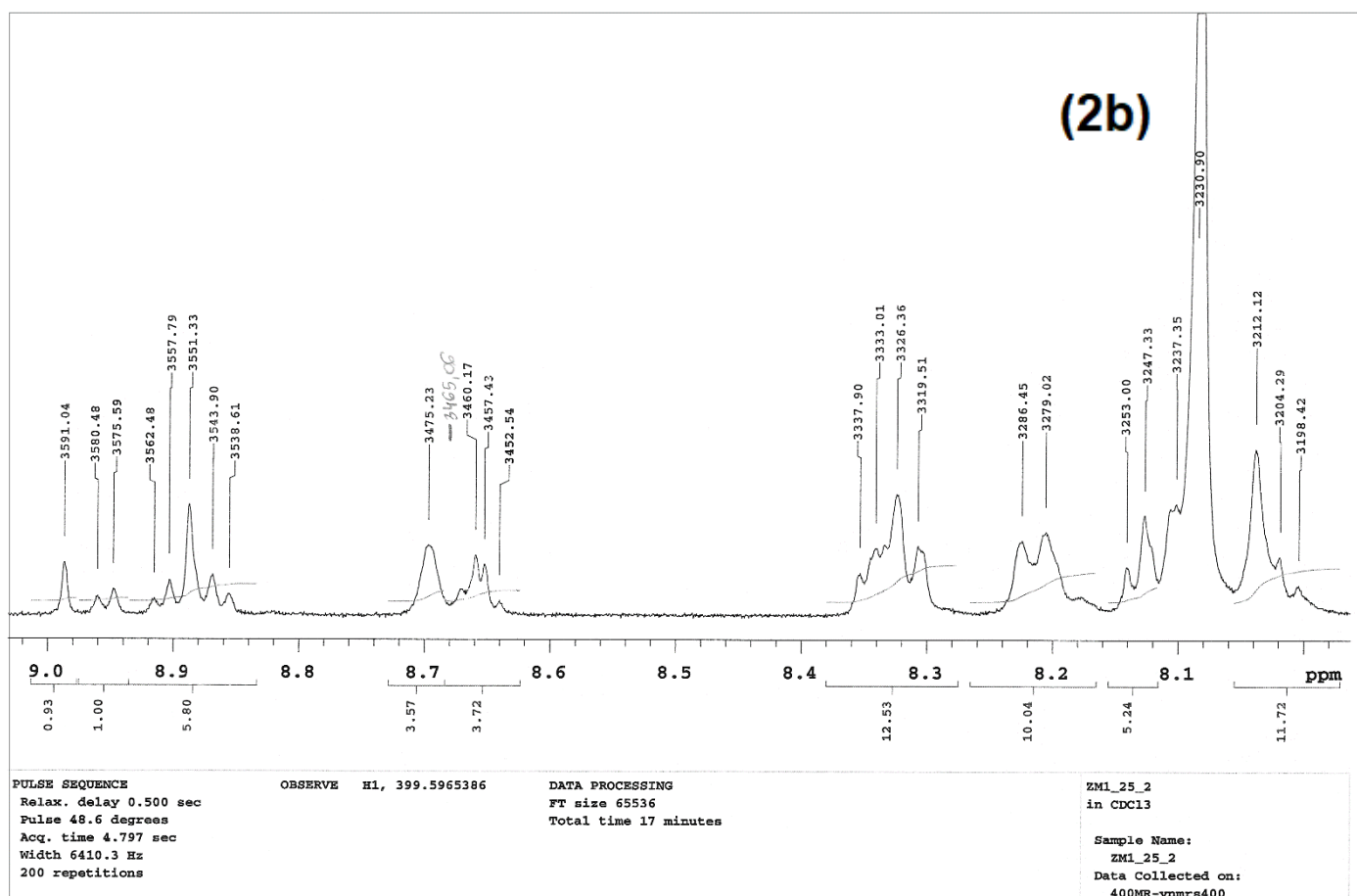
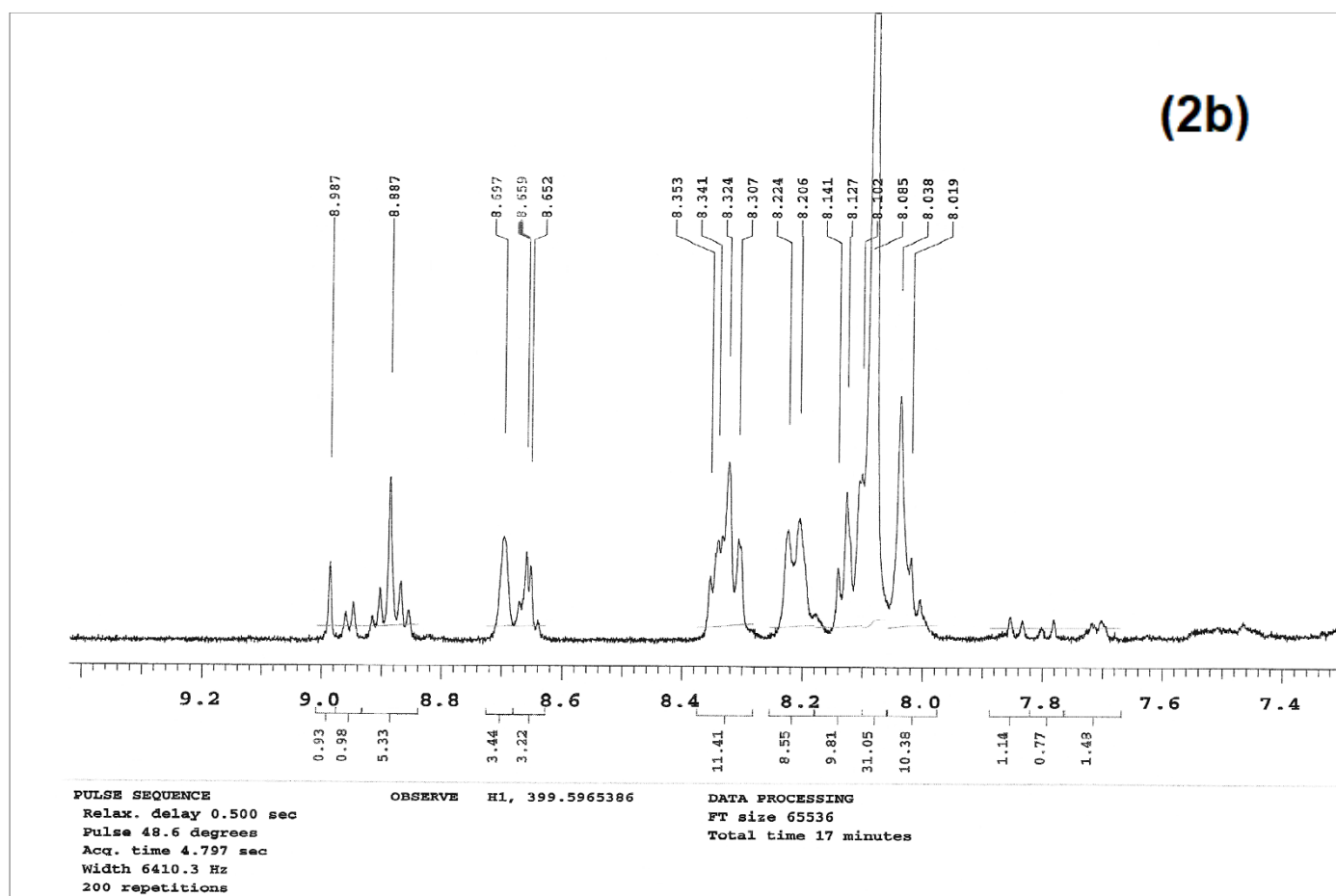
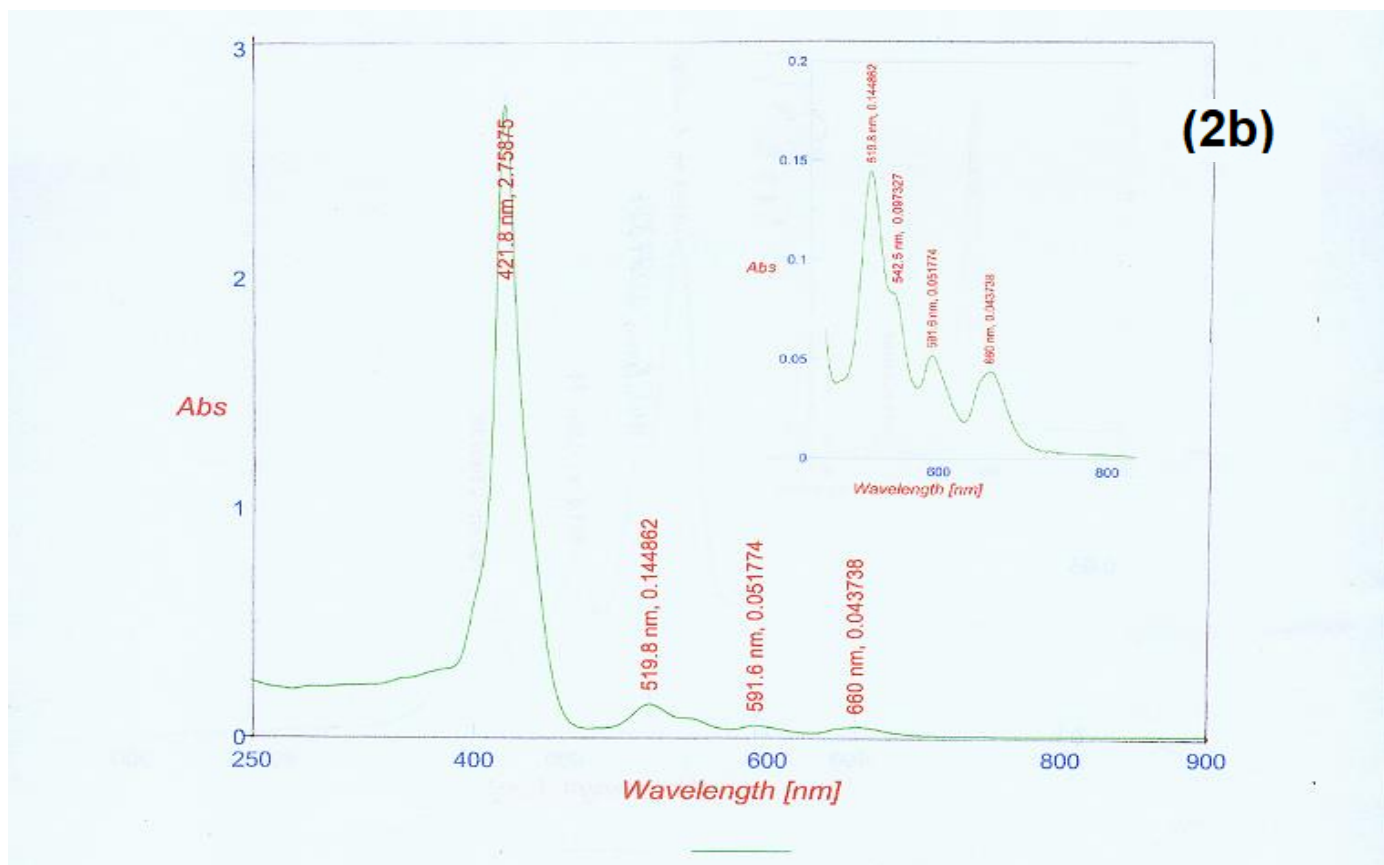
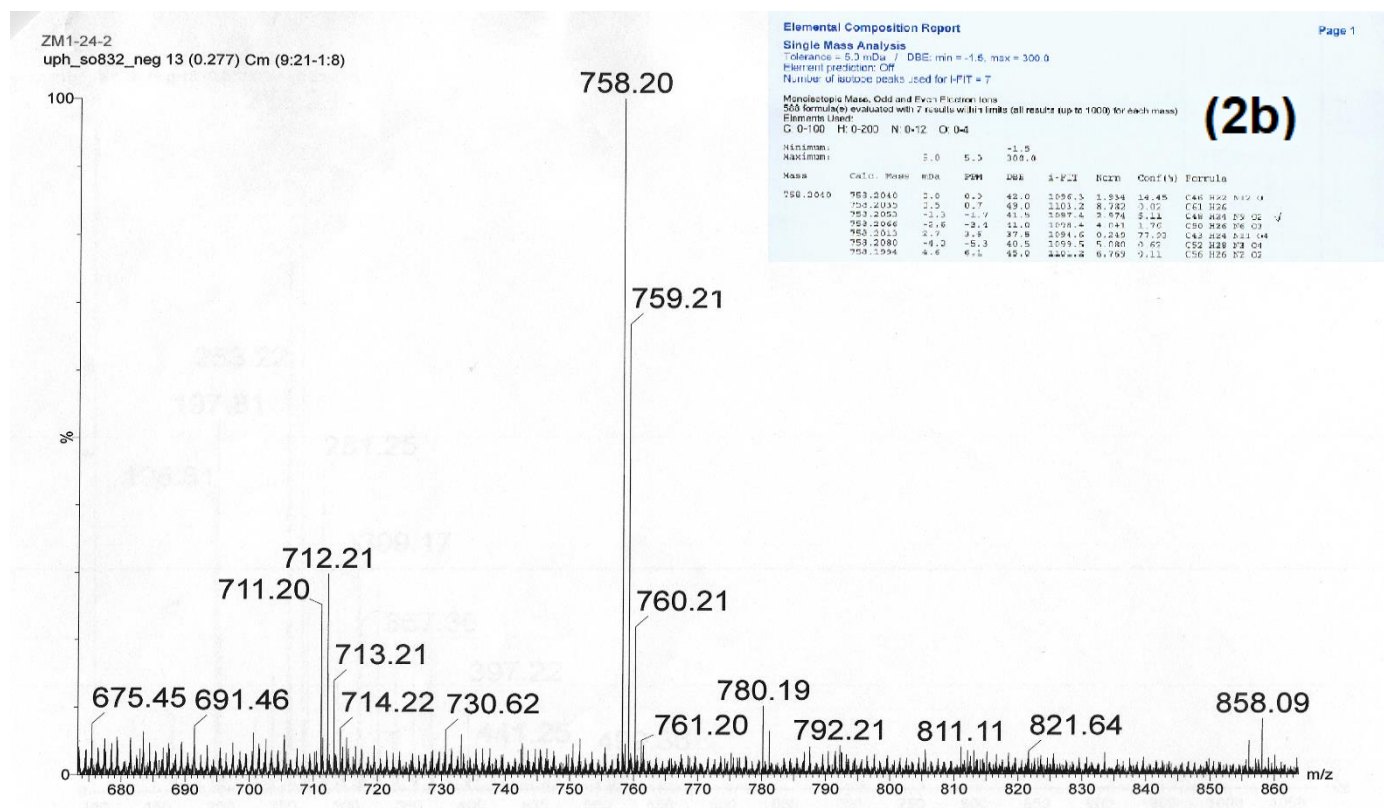
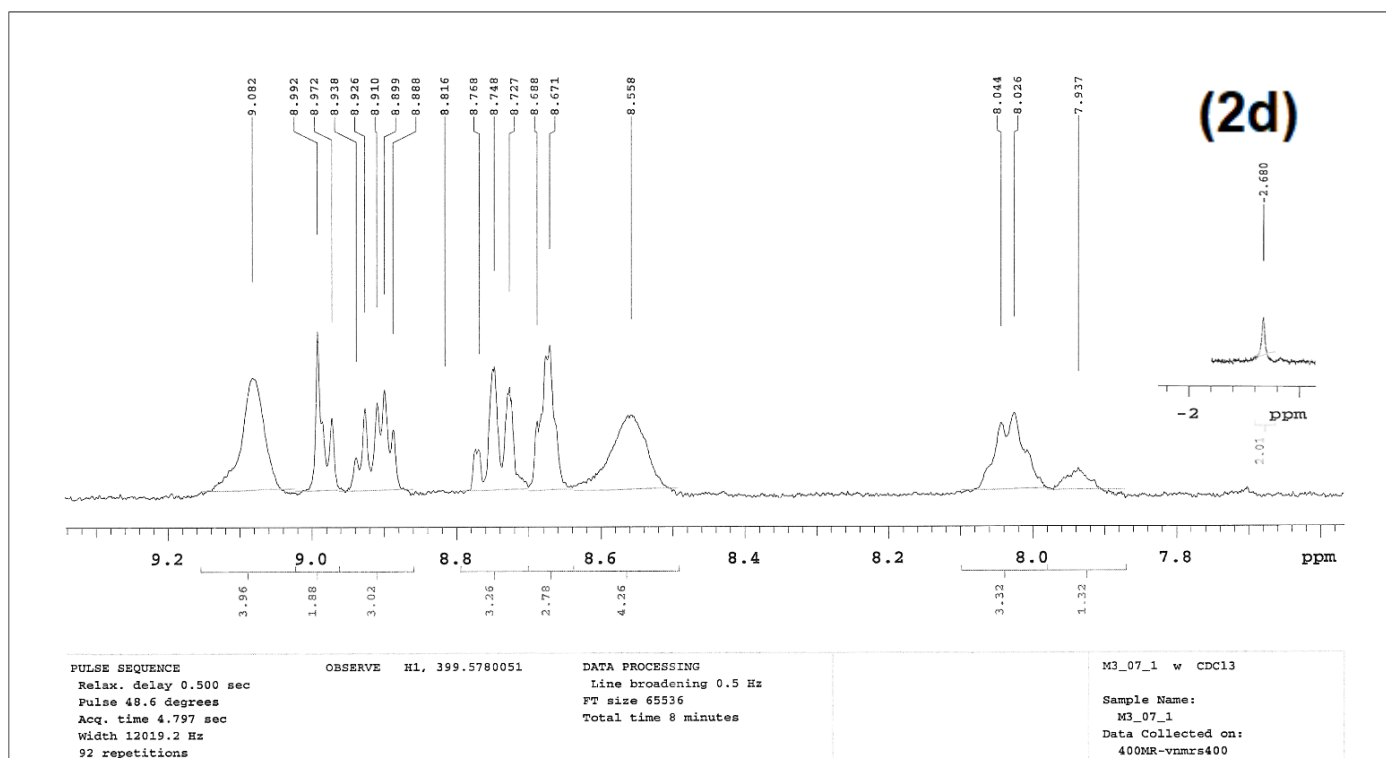
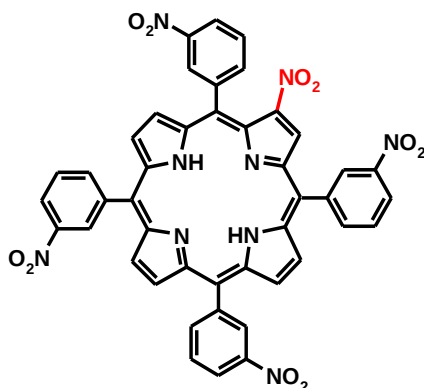
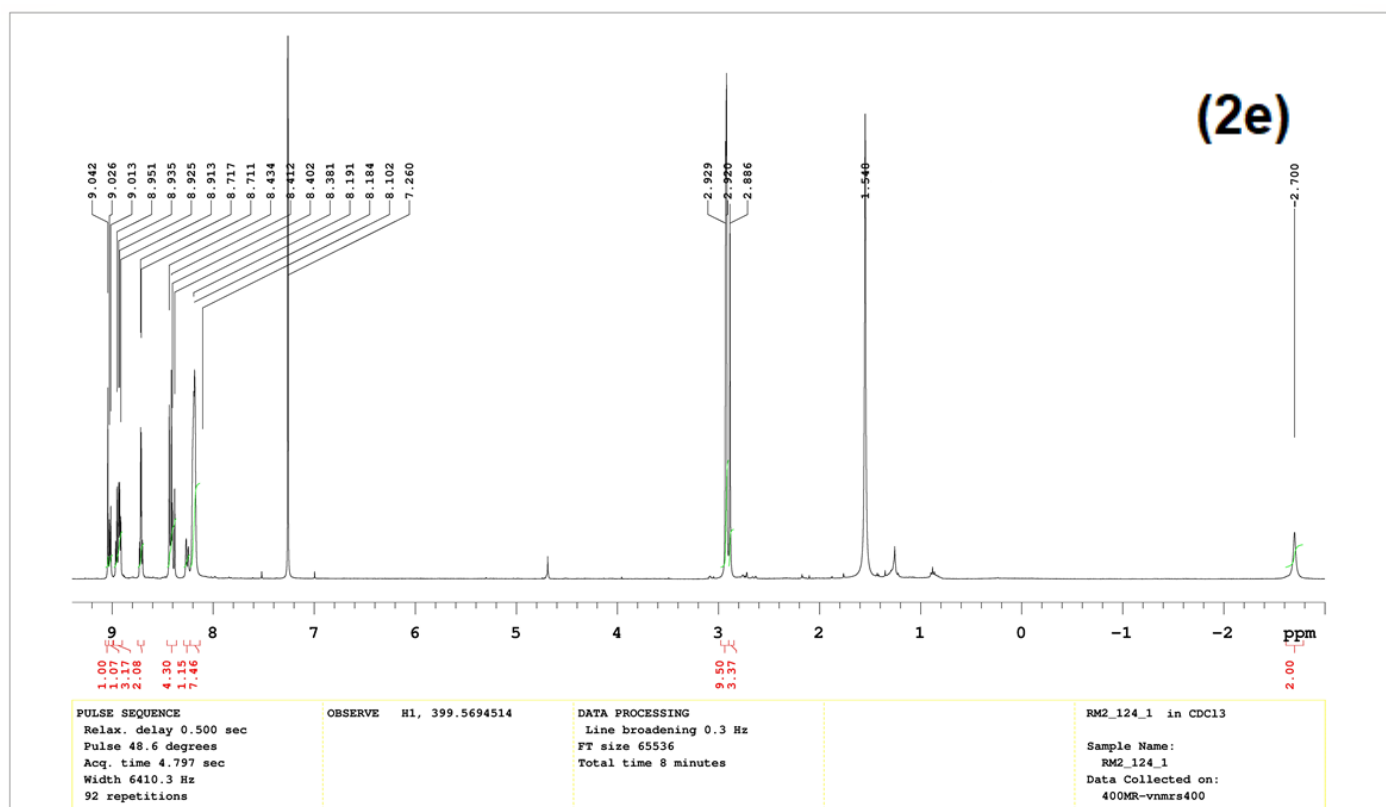
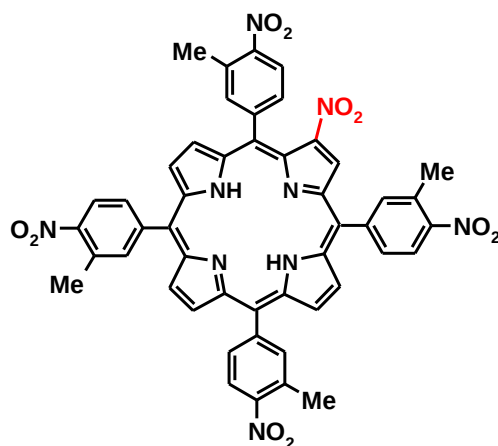


Figure 10. ^1H NMR spectra of product **2b** (range: 7.30–9.40 ppm and 8.00–9.00 ppm).

Figure 11. UV-vis spectrum of product **2b**.Figure 12. MS spectrum of product **2b** (ESI technique; negative ions mode).

2-nitro-5,10,15,20-tetrakis(3-nitrophenyl)porphyrin (**2d**)**Figure 13.** ^1H NMR spectrum of product **2d**.

2-nitro-5,10,15,20-tetrakis(3-methyl-4-nitrophenyl)porphyrin (**2e**)Figure 14. ^1H NMR spectrum of product **2e**.

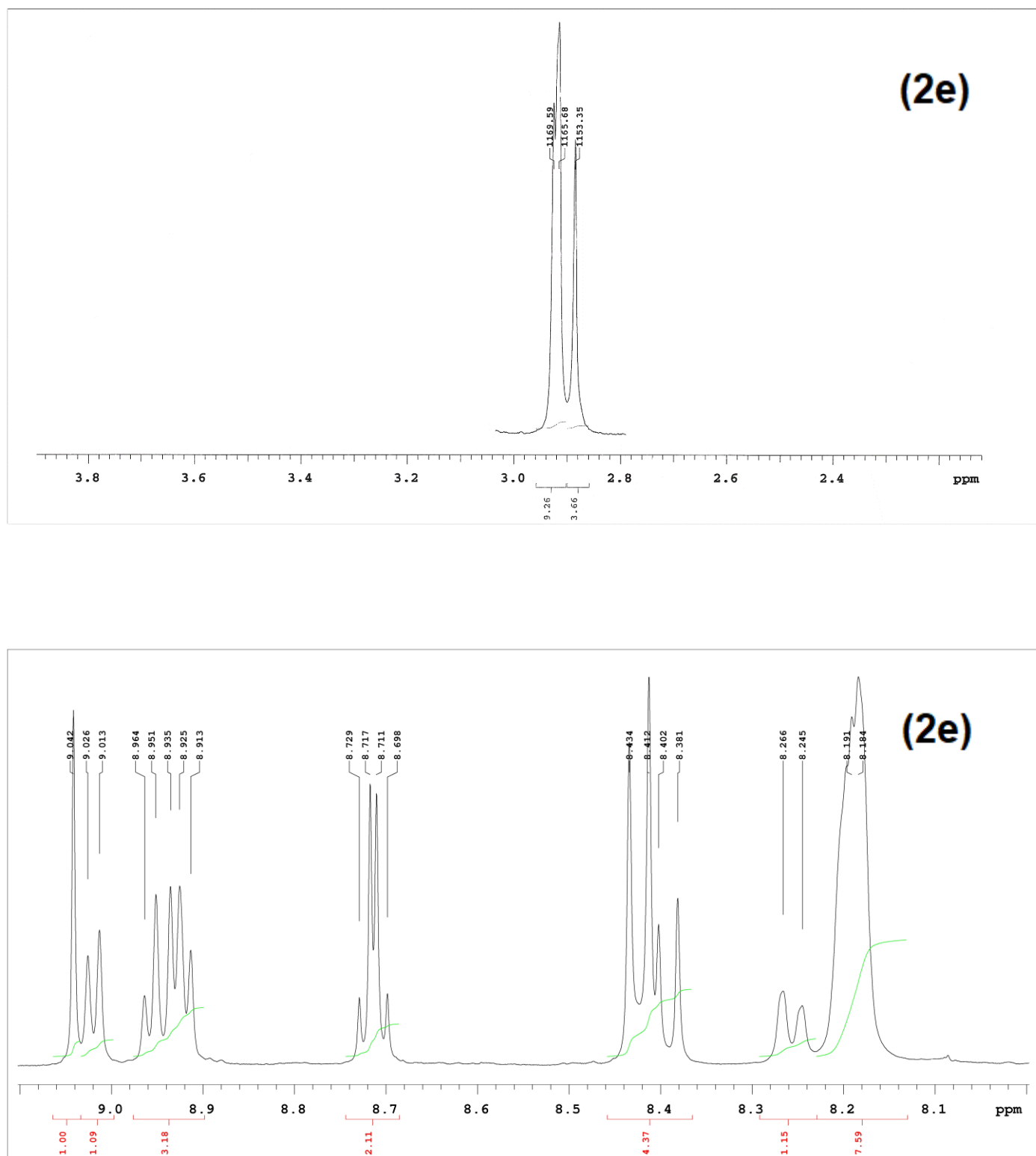


Figure 15. ^1H NMR spectra of product **2e** (range: 2.80–3.00 ppm and 8.00–9.10 ppm).

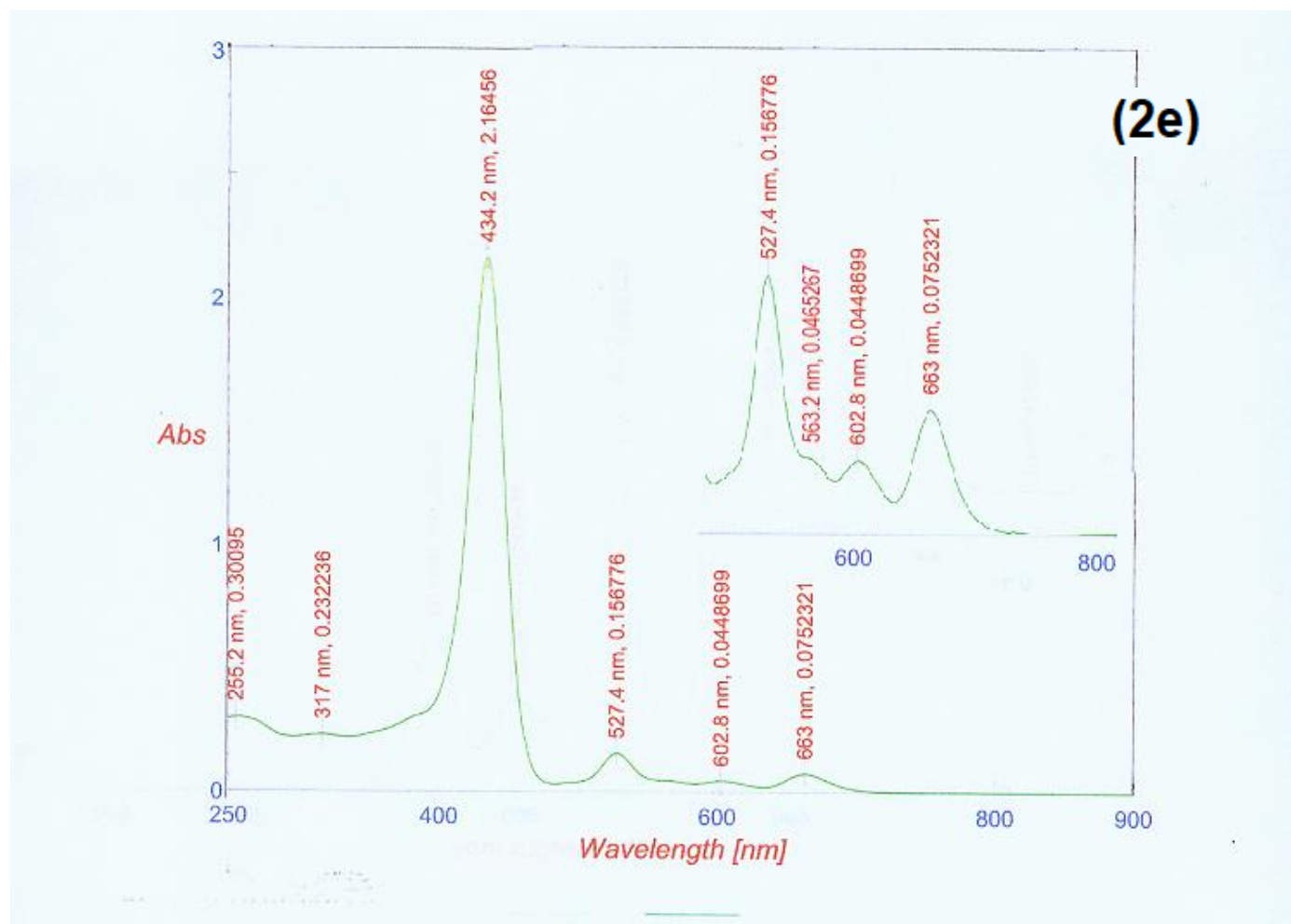


Figure 16. UV-vis spectrum of product **2e**.

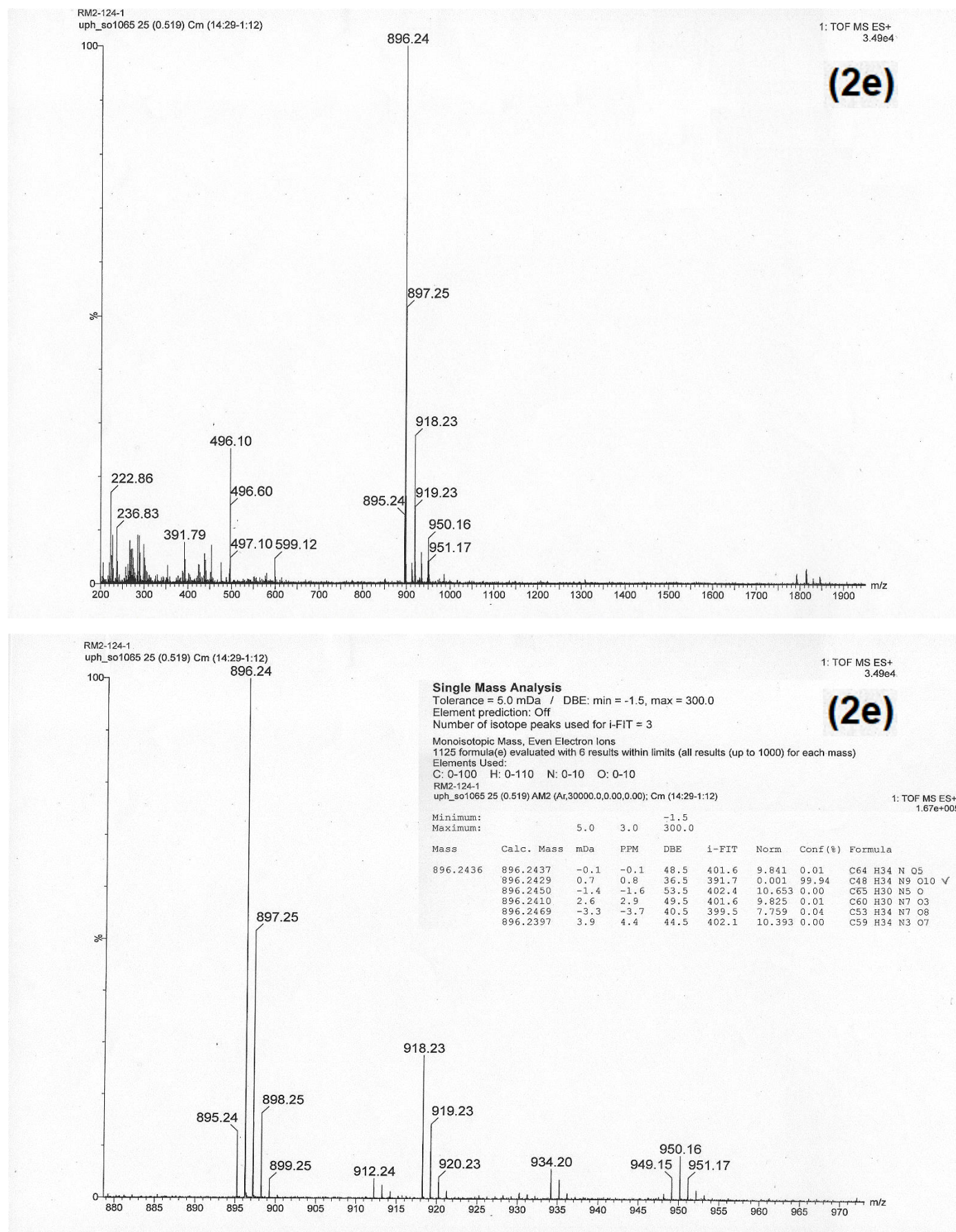


Figure 17. MS spectra of product **2e** (ESI technique; positive ions mode).