

Supporting information

BIOTRANSFORMATION OF PLANT SECONDARY METABOLITES BY SILKWORM

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Figure S1. LC-MS chromatograms of the extracts of feces ejected by silkworms provided with *Scutellariae Radix* and the comparative samples

Figure S2. LC-MS chromatograms of the extracts of feces ejected by silkworms provided with **5** and the comparative samples

Figure S3. LC-MS chromatograms of the extracts of feces ejected by silkworms provided with **6** and the comparative samples

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Figure S6. LC-MS chromatograms of the extracts of feces ejected by silkworms provided with **9** and the comparative samples

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Figure S26. HMQC spectrum of **19** in $\text{DMSO-}d_6$ (400MHz)

Figure S27. HMBC spectrum of **19** in $\text{DMSO-}d_6$ (400MHz)

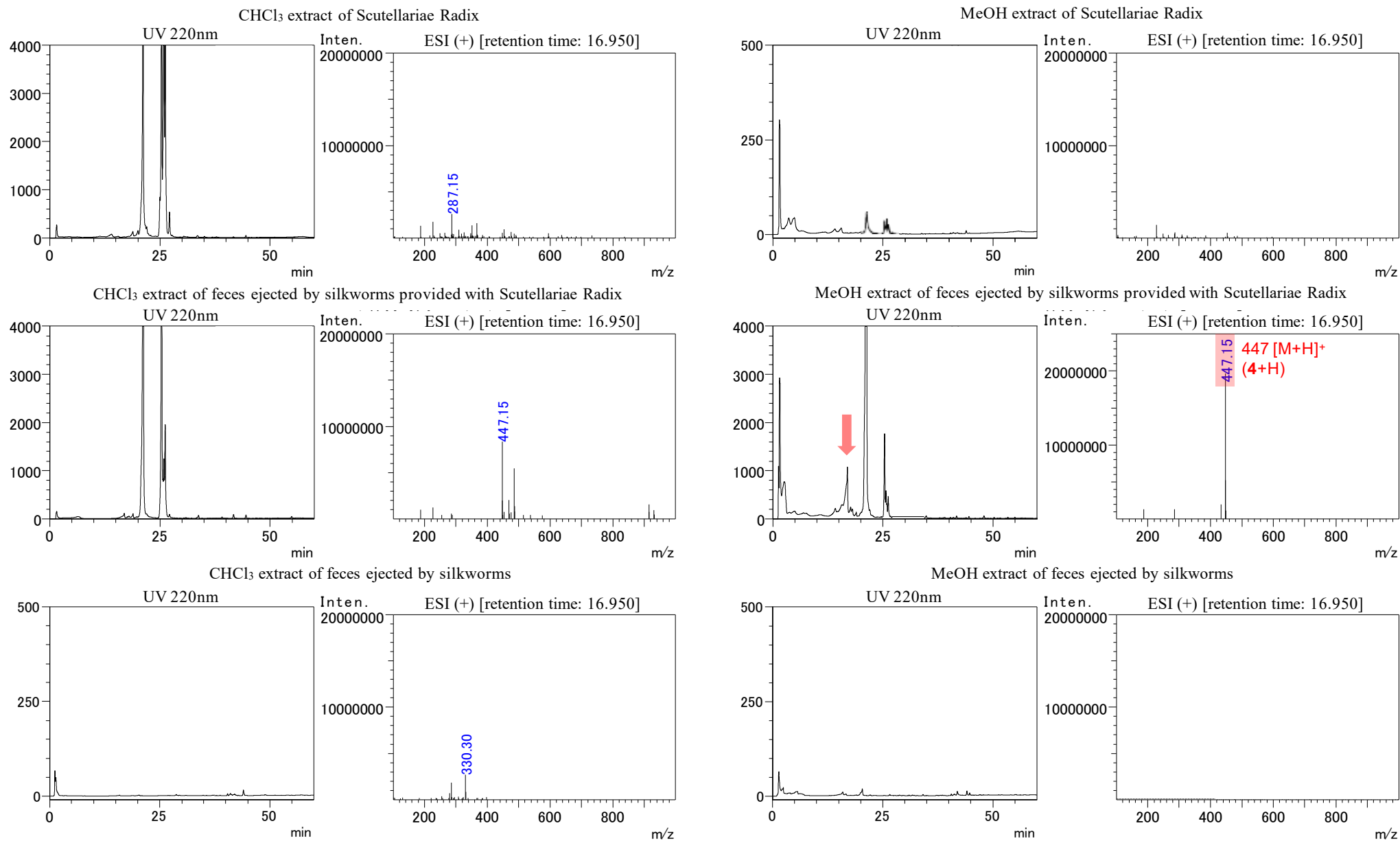


Figure S1. LC-MS chromatograms of the extracts of feces ejected by silkworms provided with Scutellariae Radix and the comparative samples

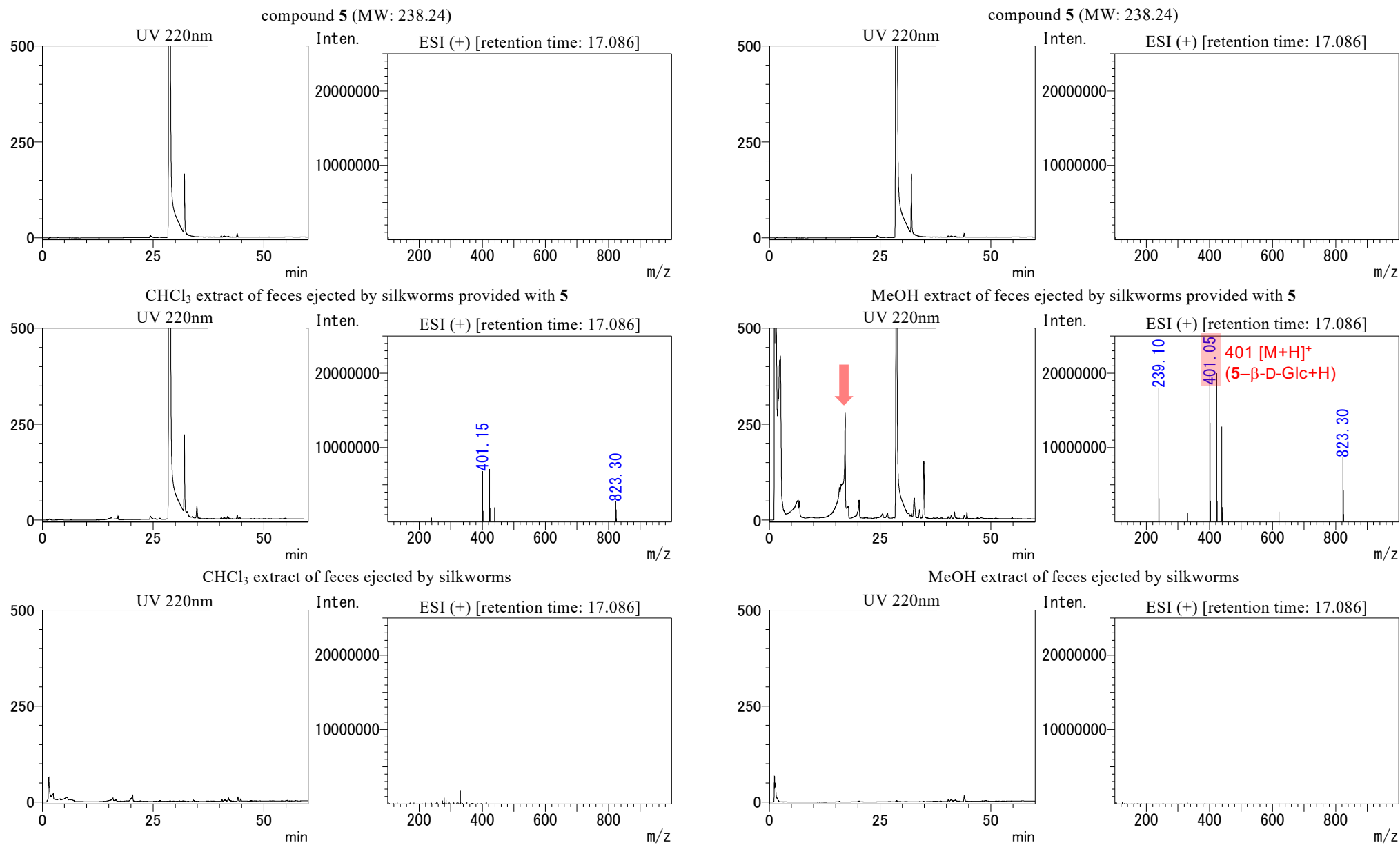


Figure S2. LC-MS chromatograms of the extracts of feces ejected by silkworms provided with **5** and the comparative samples

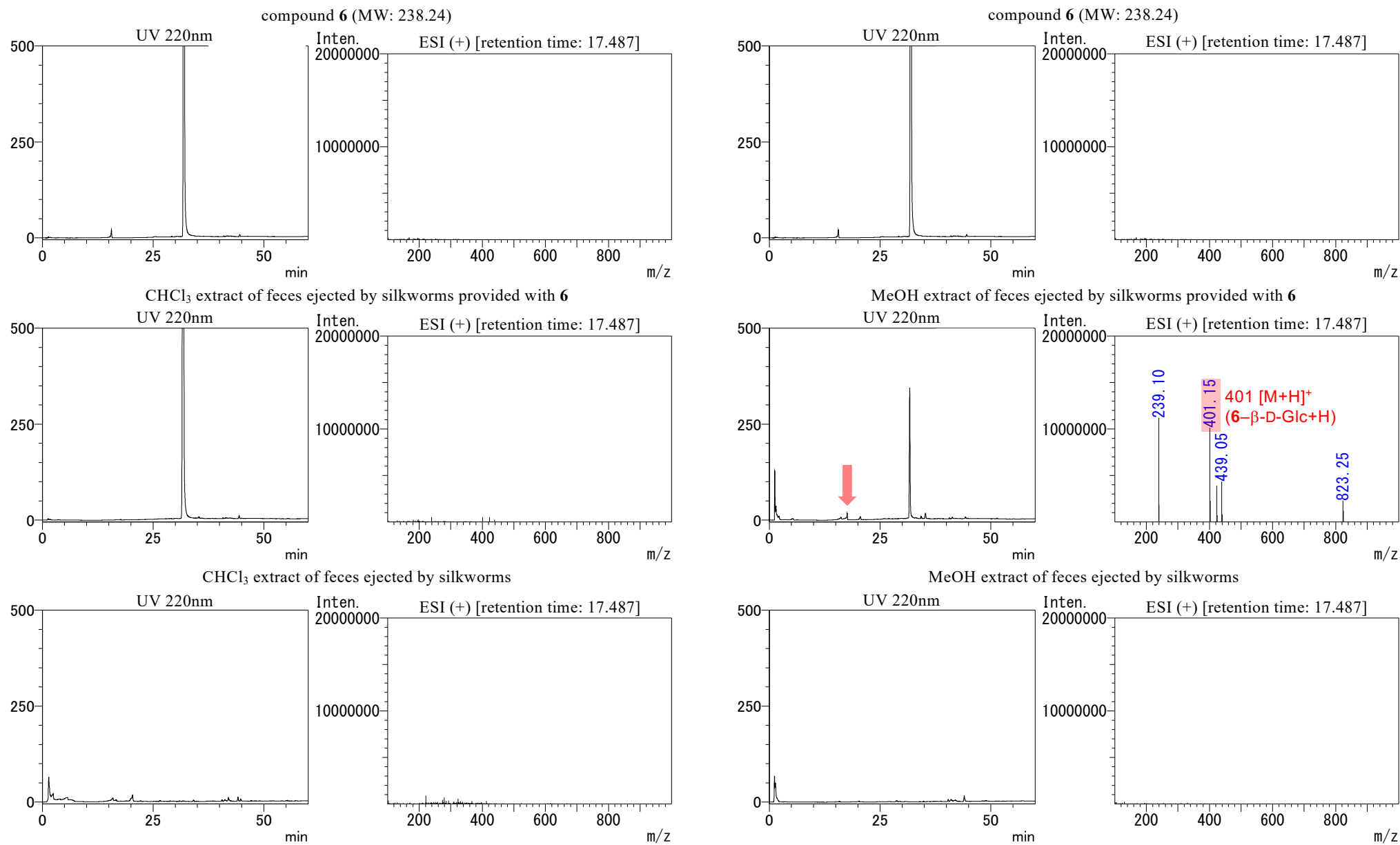


Figure S3. LC-MS chromatograms of the extracts of feces ejected by silkworms provided with **6** and the comparative samples

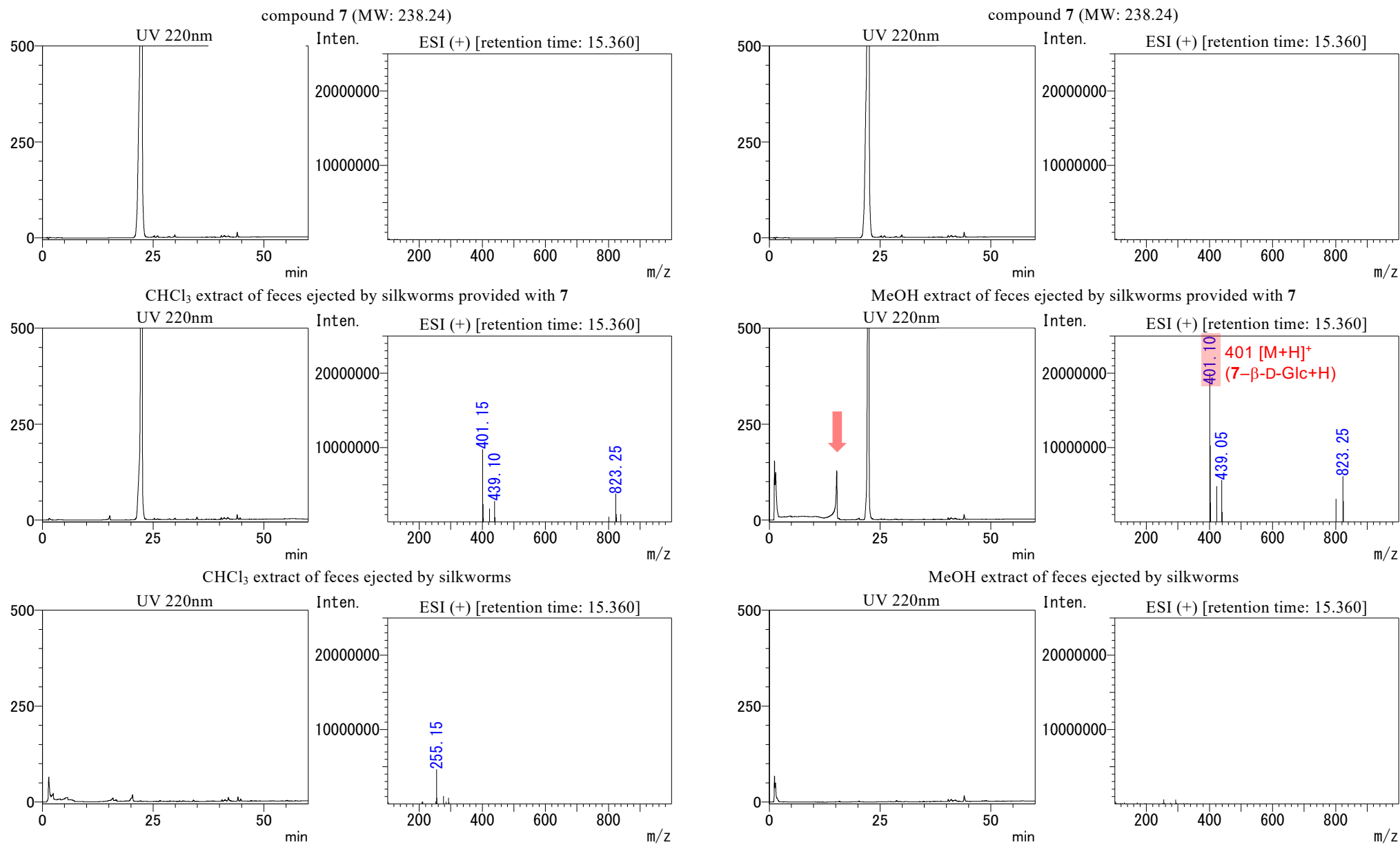


Figure S4. LC-MS chromatograms of the extracts of feces ejected by silkworms provided with **7** and the comparative samples

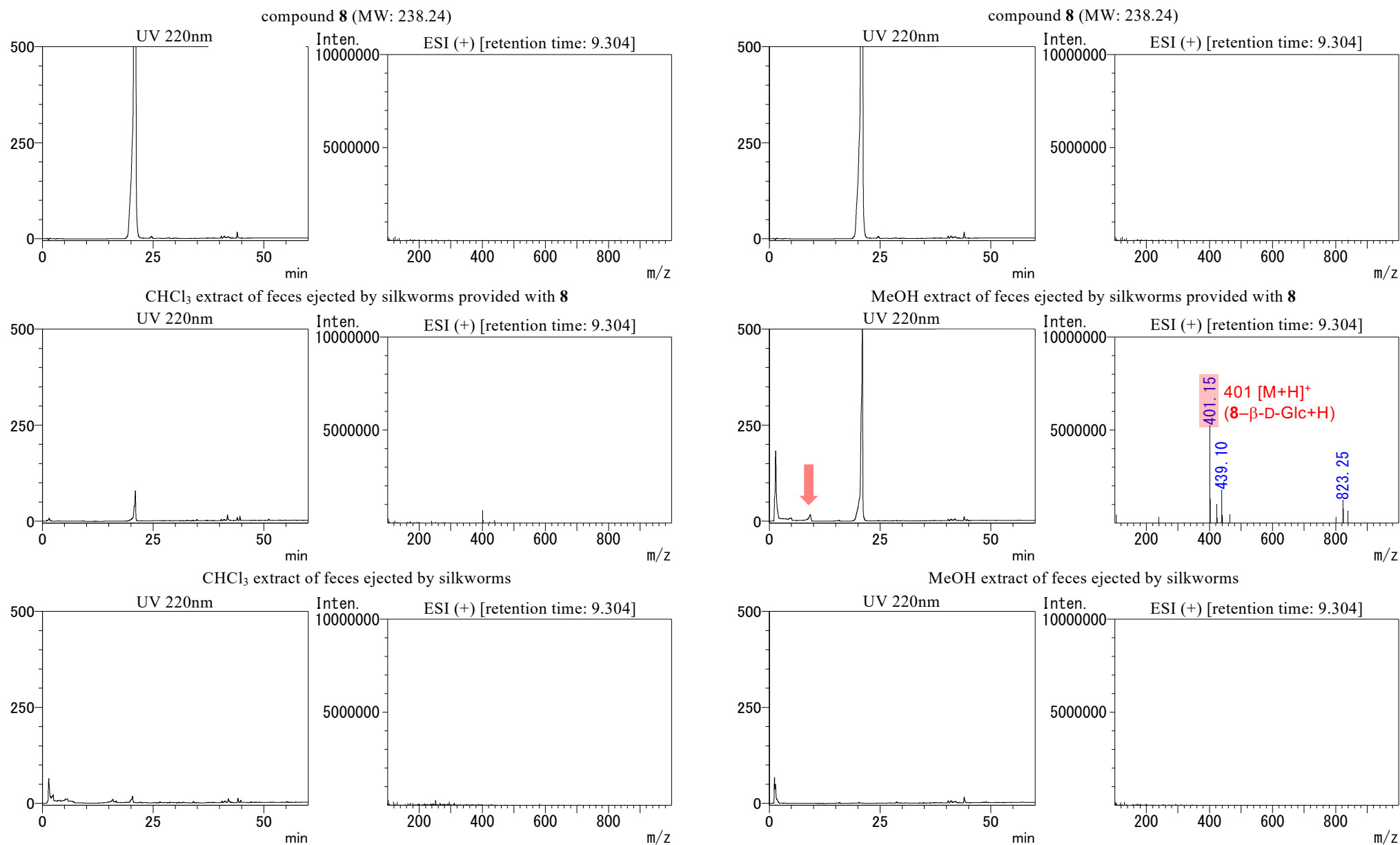


Figure S5. LC-MS chromatograms of the extracts of feces provided with ejected by silkworms **8** and the comparative samples

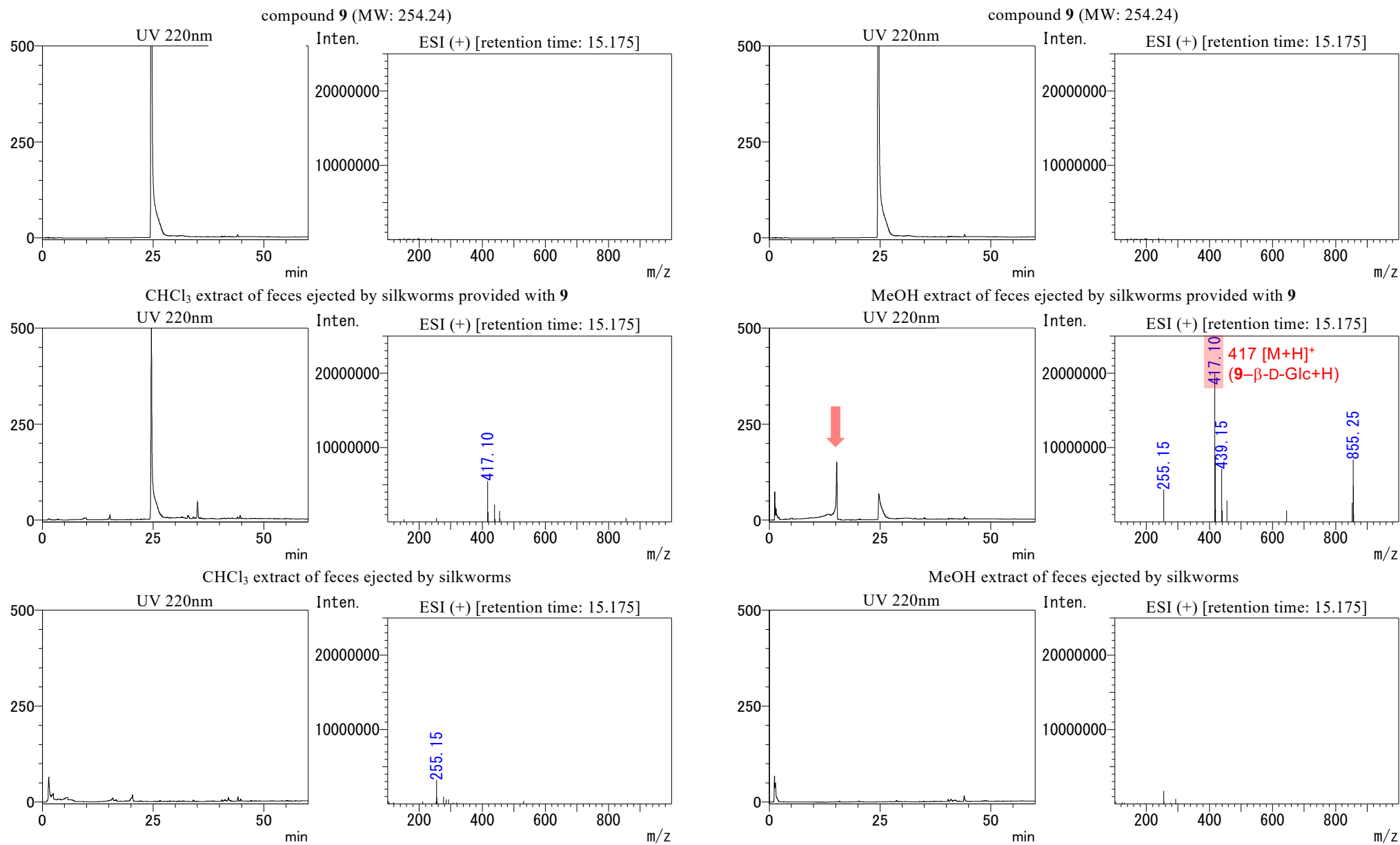


Figure S6. LC-MS chromatograms of the extracts of feces ejected by silkworms provided with **9** and the comparative samples

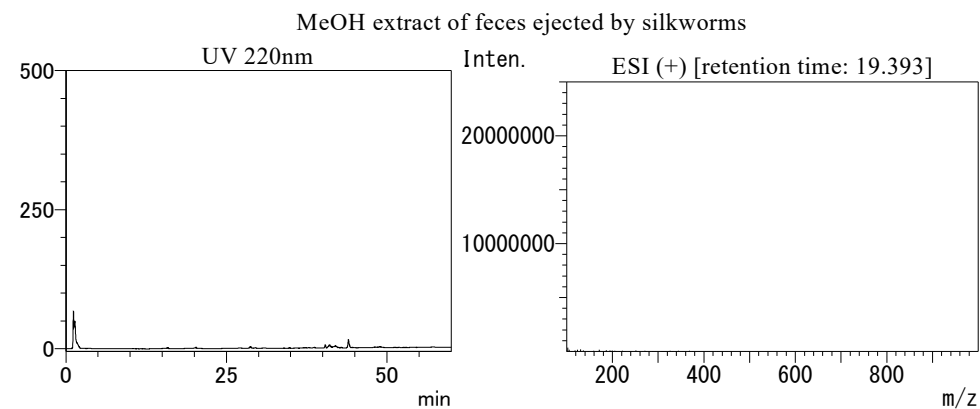
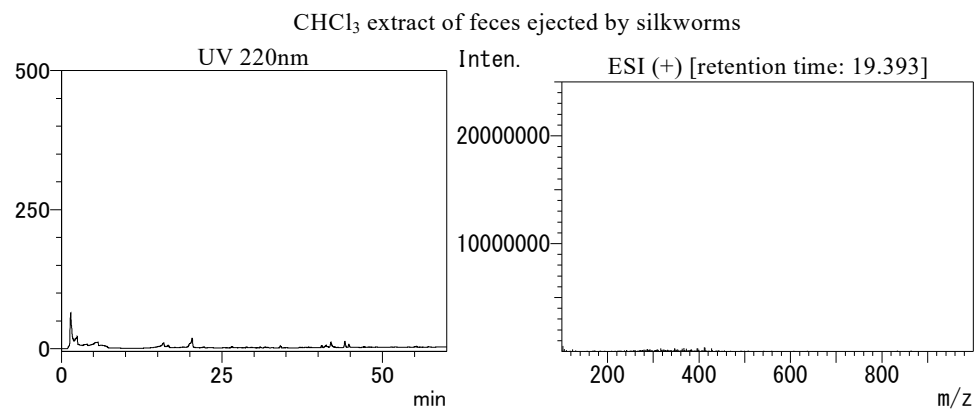
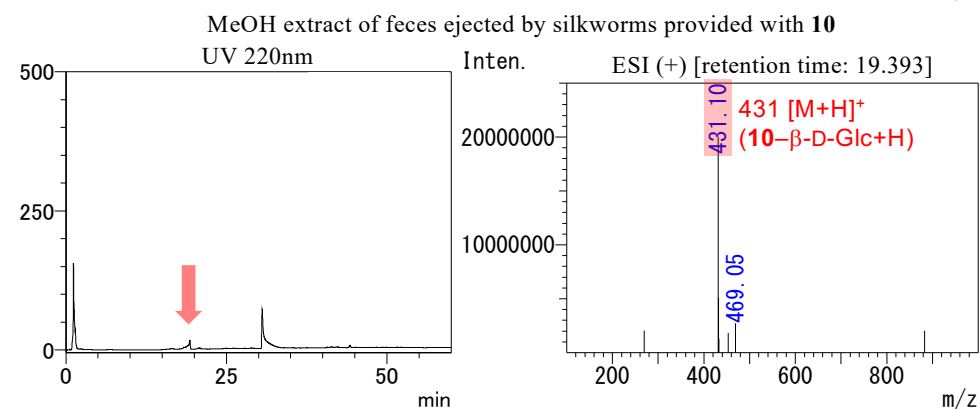
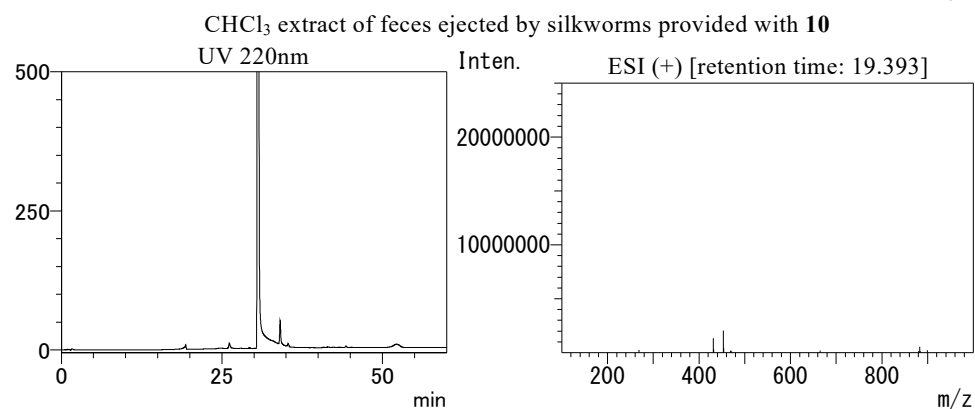
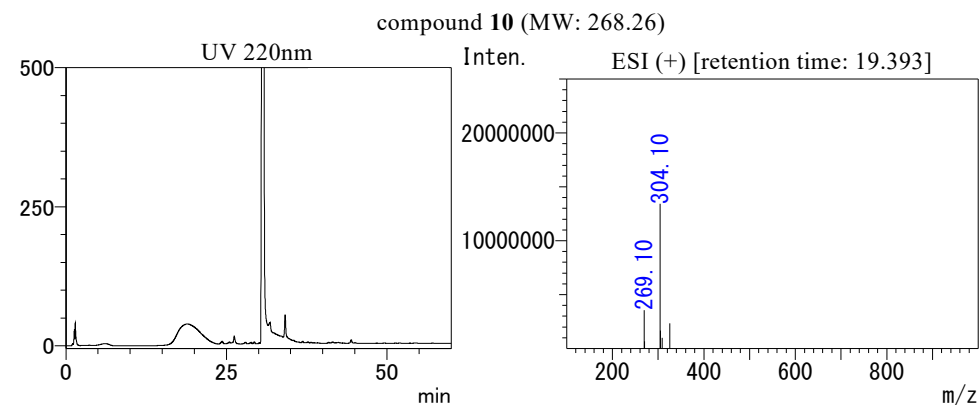
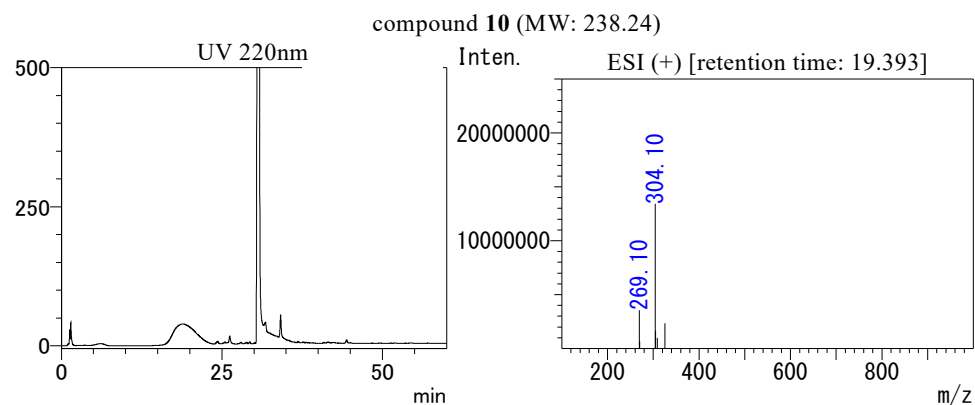


Figure S7. LC-MS chromatograms of the extracts of feces ejected by silkworms provided with **10** and the comparative samples

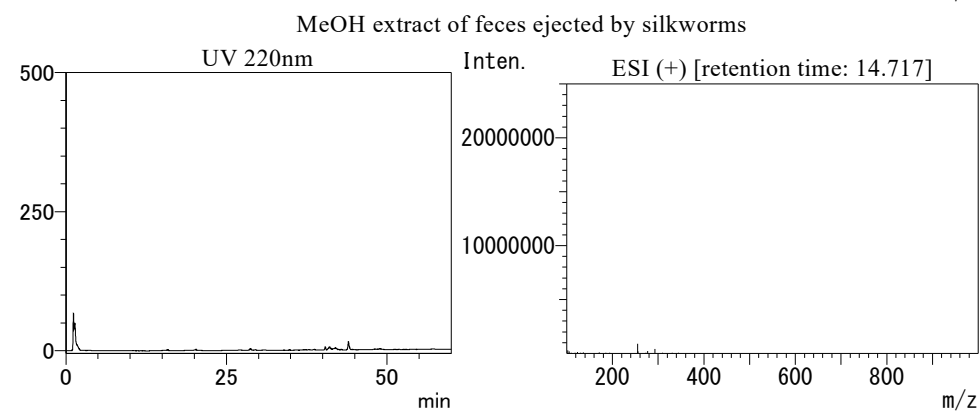
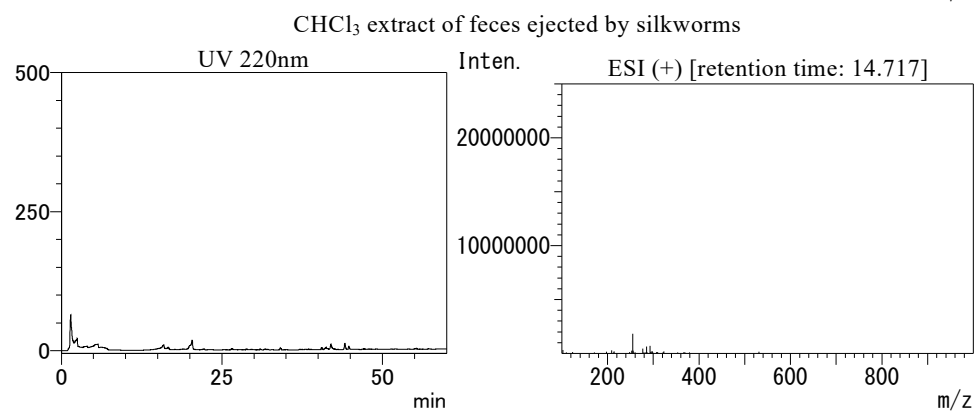
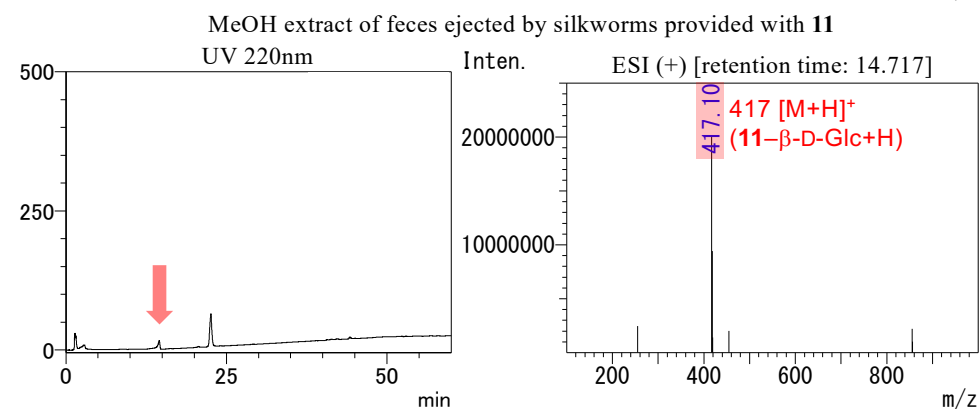
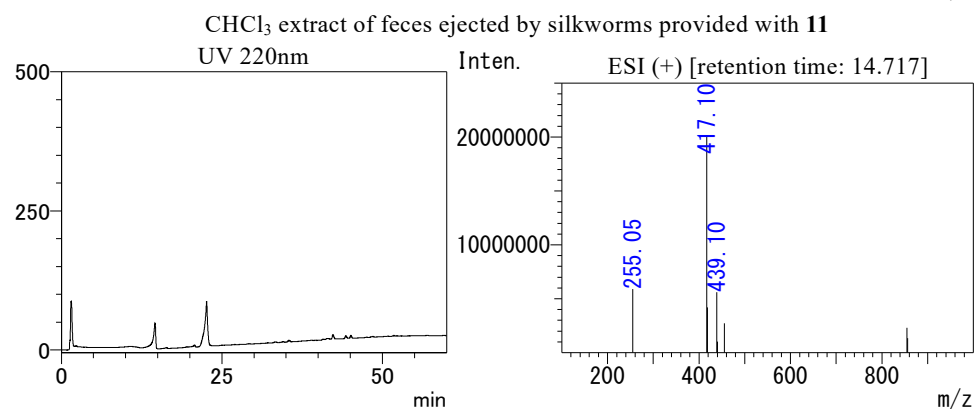
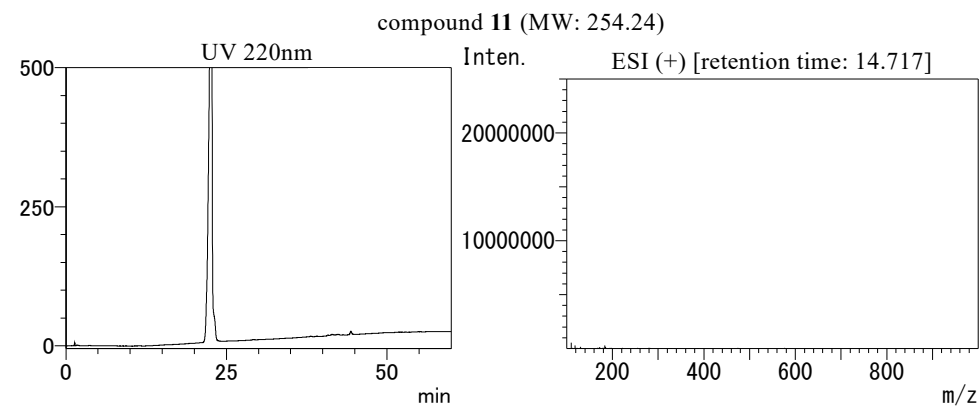
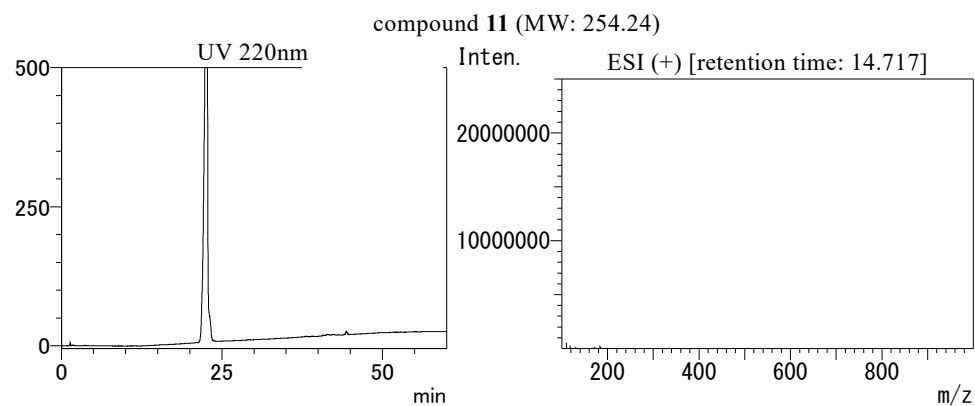


Figure S8. LC-MS chromatograms of the extracts of feces ejected by silkworms provided with **11** and the comparative samples

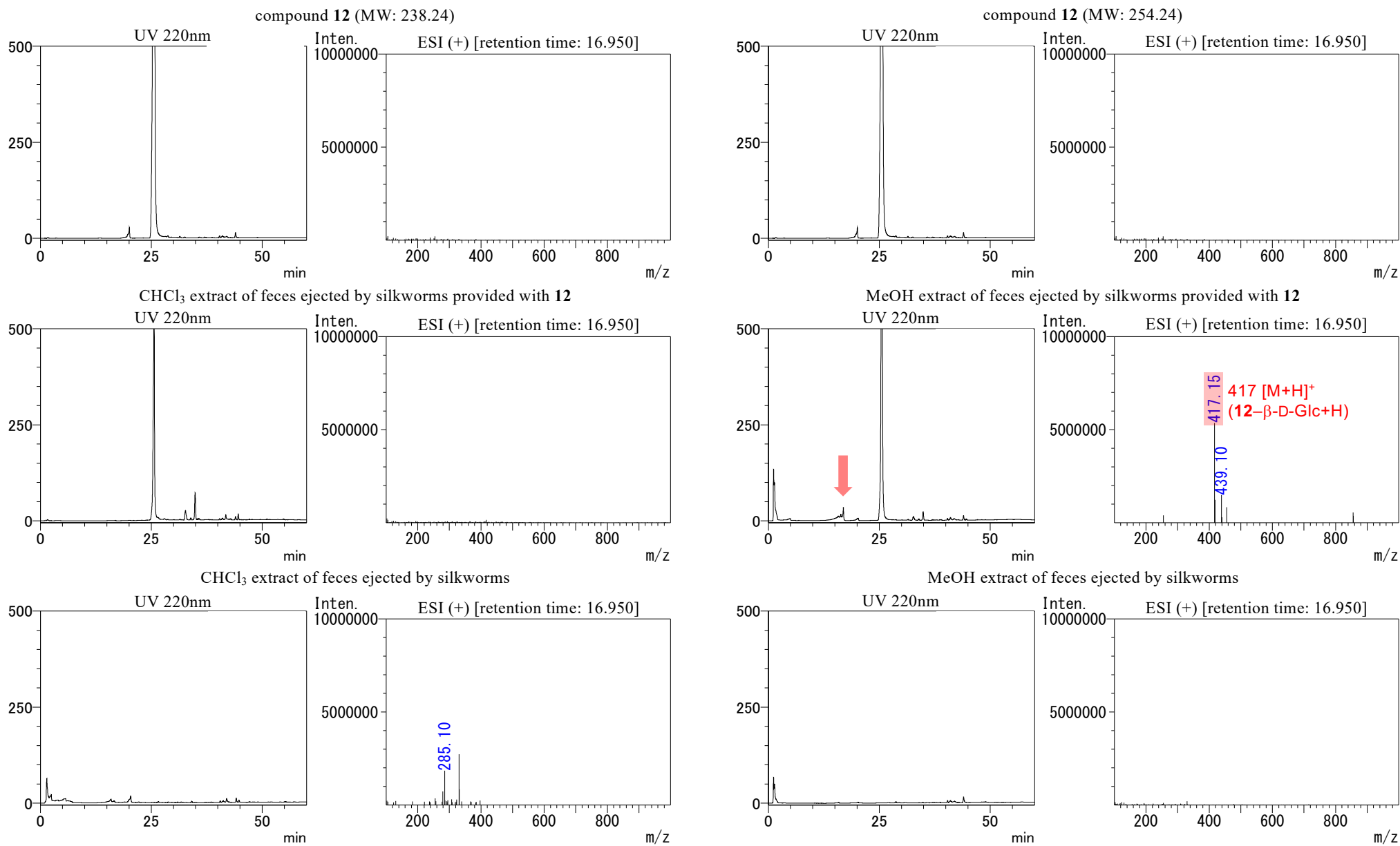


Figure S9. LC-MS chromatograms of the extracts of feces ejected by silkworms provided with **12** and the comparative samples

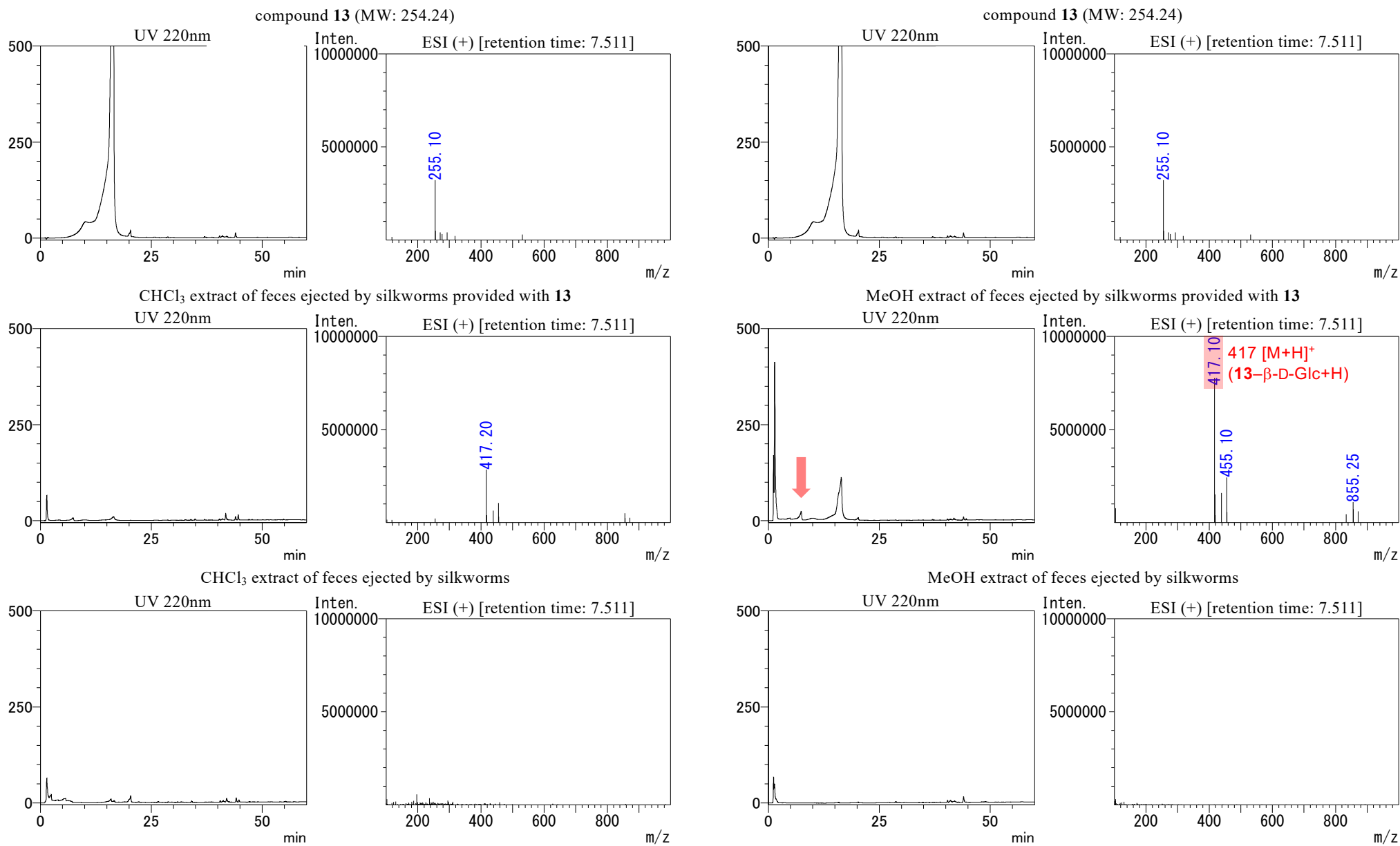


Figure S10. LC-MS chromatograms of the extracts of feces ejected by silkworms provided with **13** and the comparative samples

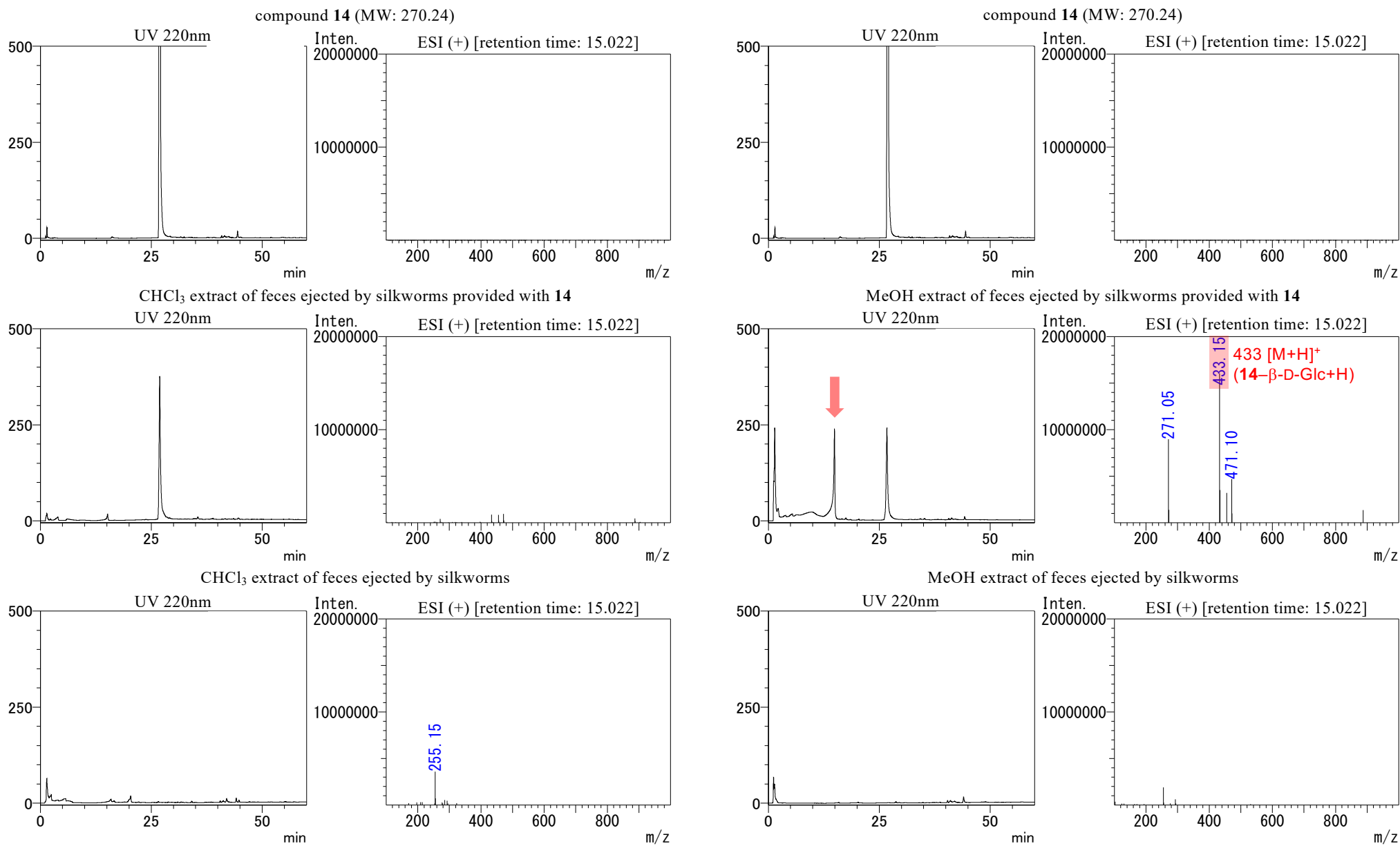


Figure S11. LC-MS chromatograms of the extracts of feces ejected by silkworms provided with **14** and the comparative samples

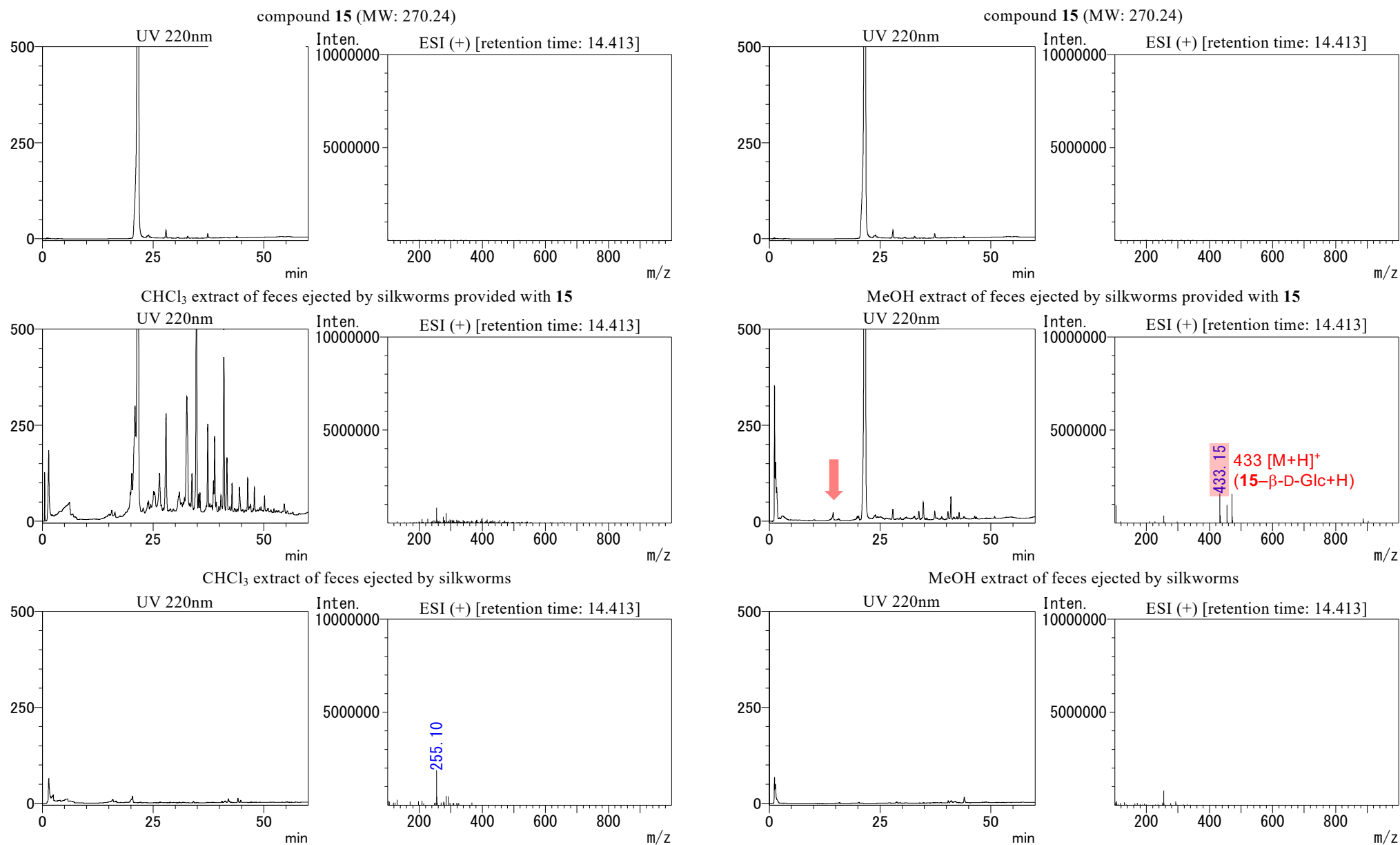


Figure S12. LC-MS chromatograms of the extracts of feces ejected by silkworms provided with **15** and the comparative samples

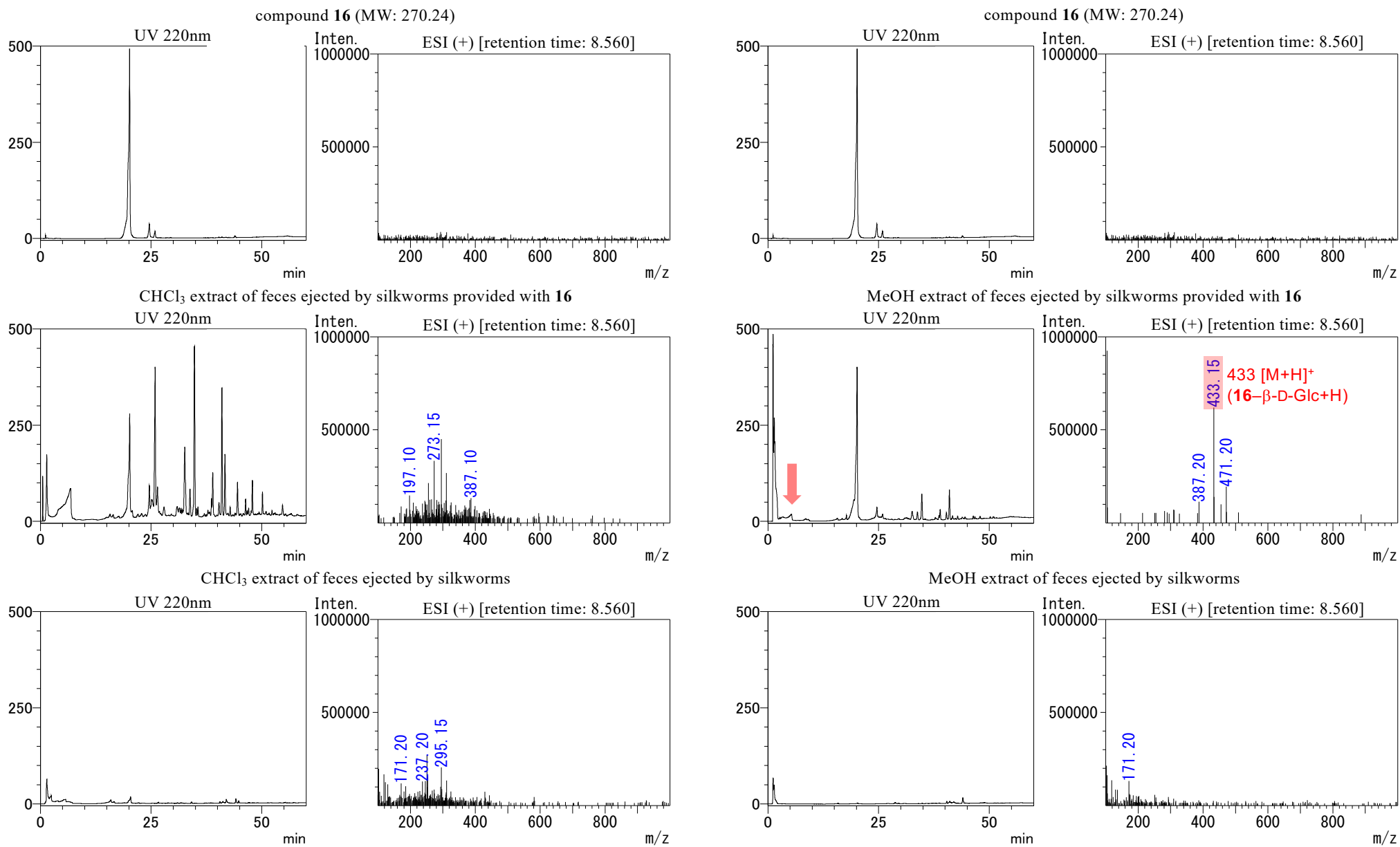


Figure S13. LC-MS chromatograms of the extracts of feces ejected by silkworms provided with **16** and the comparative samples

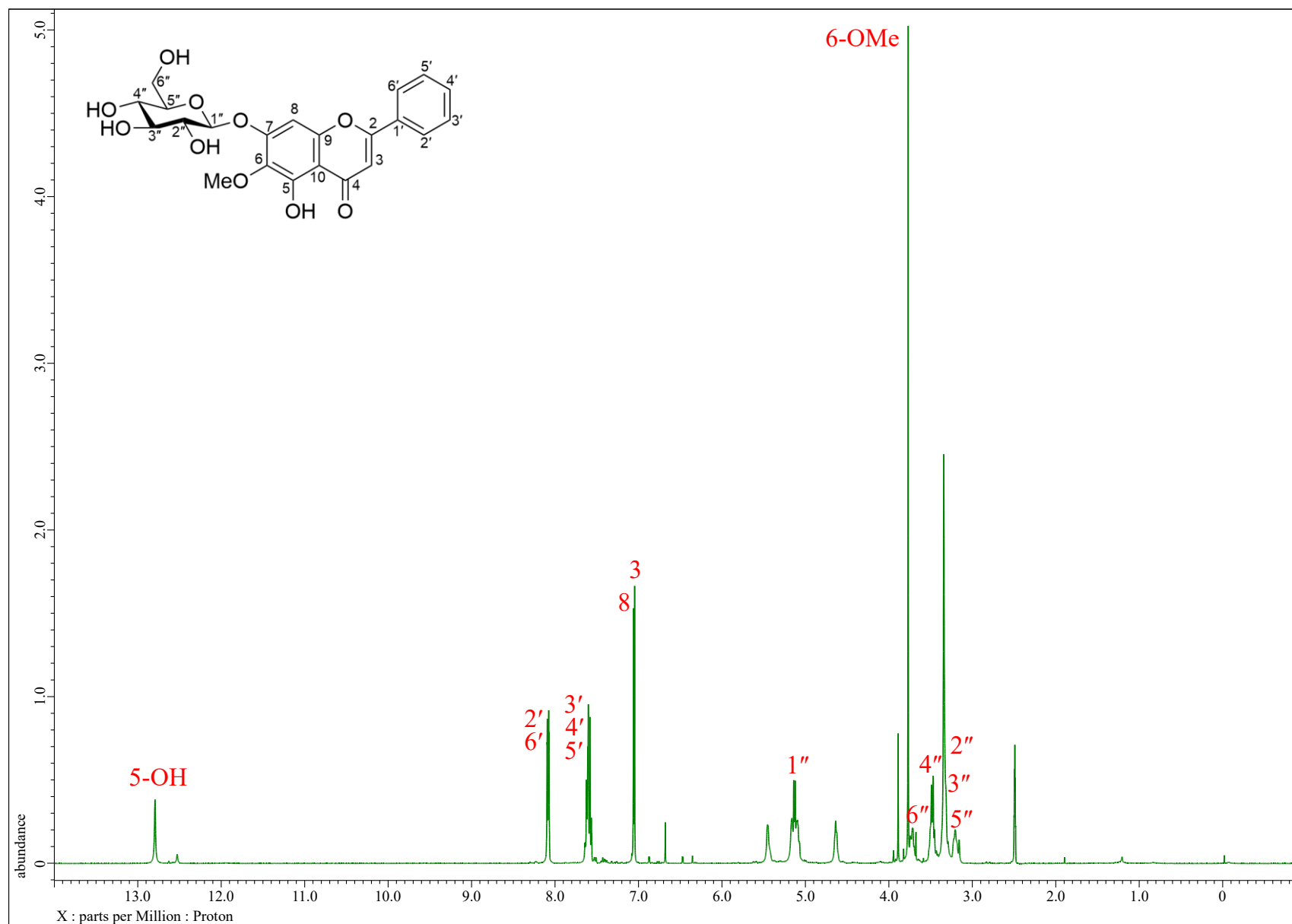


Figure S14. ^1H NMR spectrum of **4** in $\text{DMSO-}d_6$ (400 MHz)

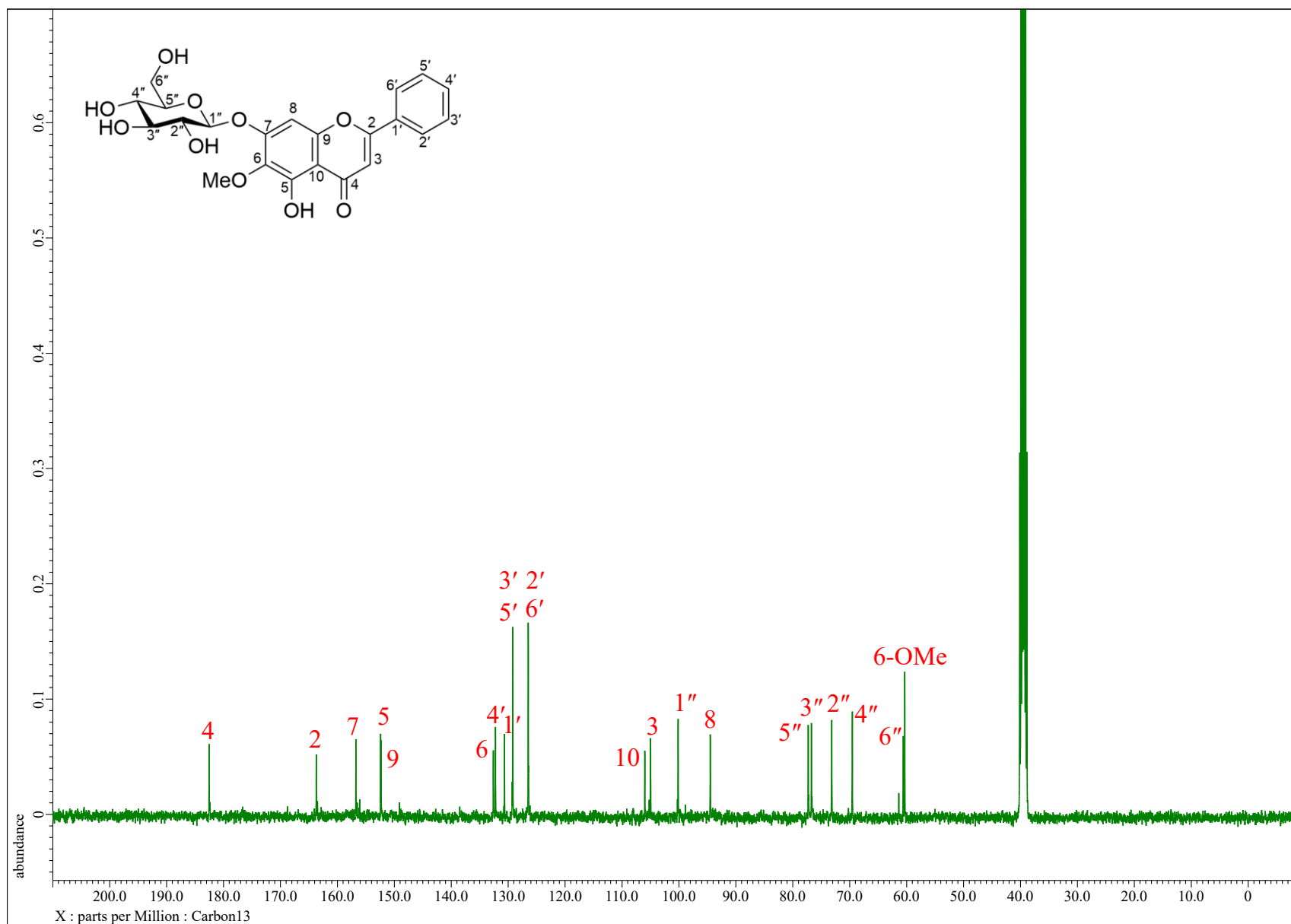


Figure S15. ¹³C NMR spectrum of **4** in DMSO-*d*₆ (100 MHz)

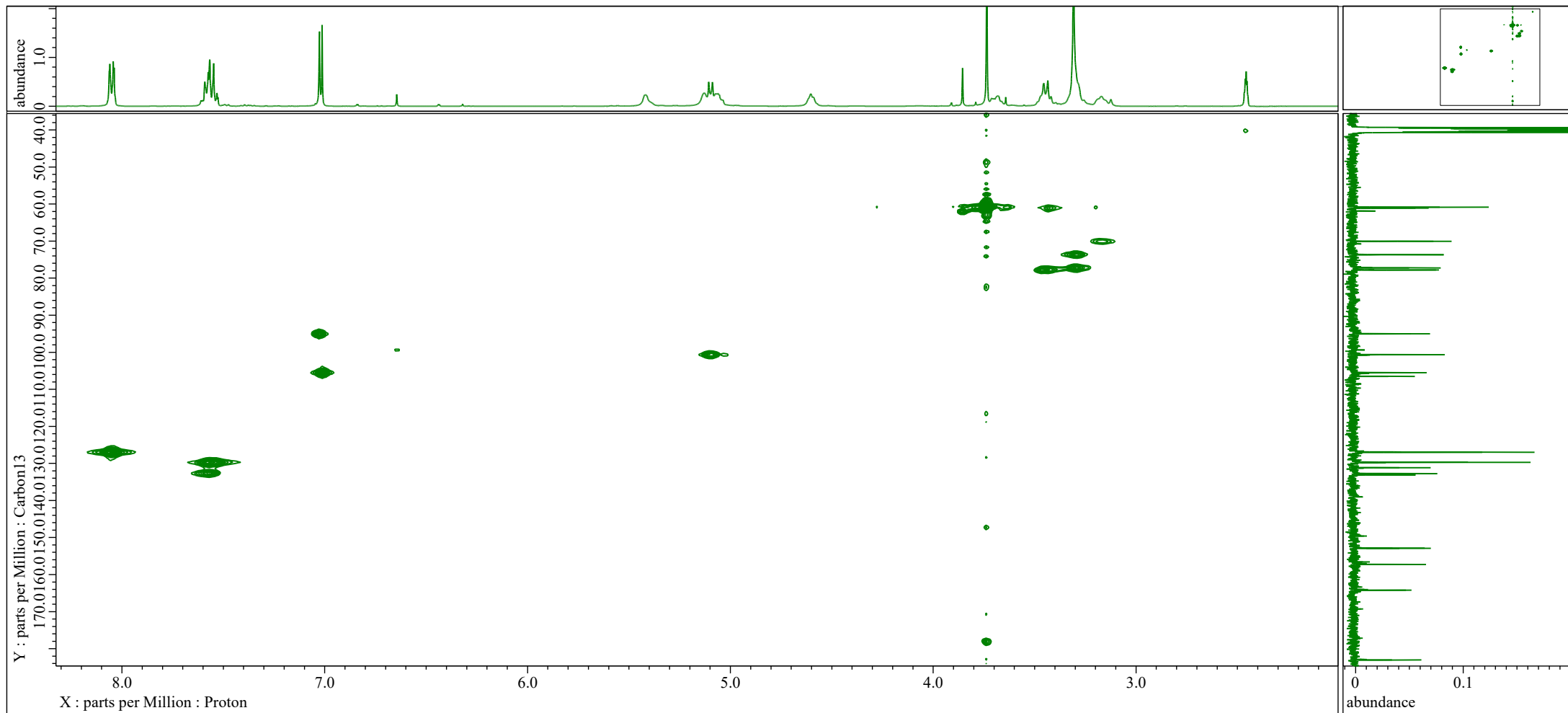


Figure S16. HMQC spectrum of **4** in DMSO-*d*₆ (400 MHz)

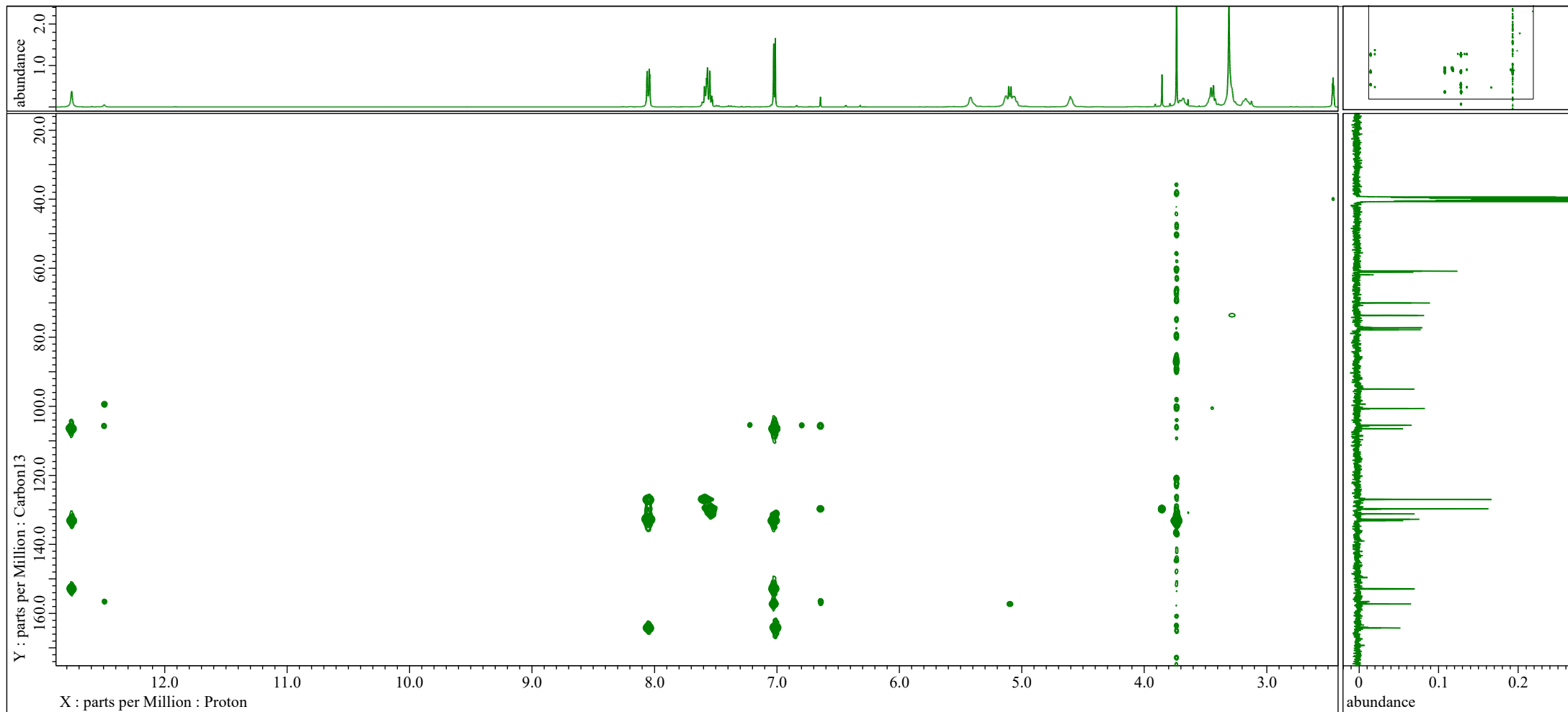


Figure S17. HMBC spectrum of **4** in DMSO- d_6 (400 MHz)

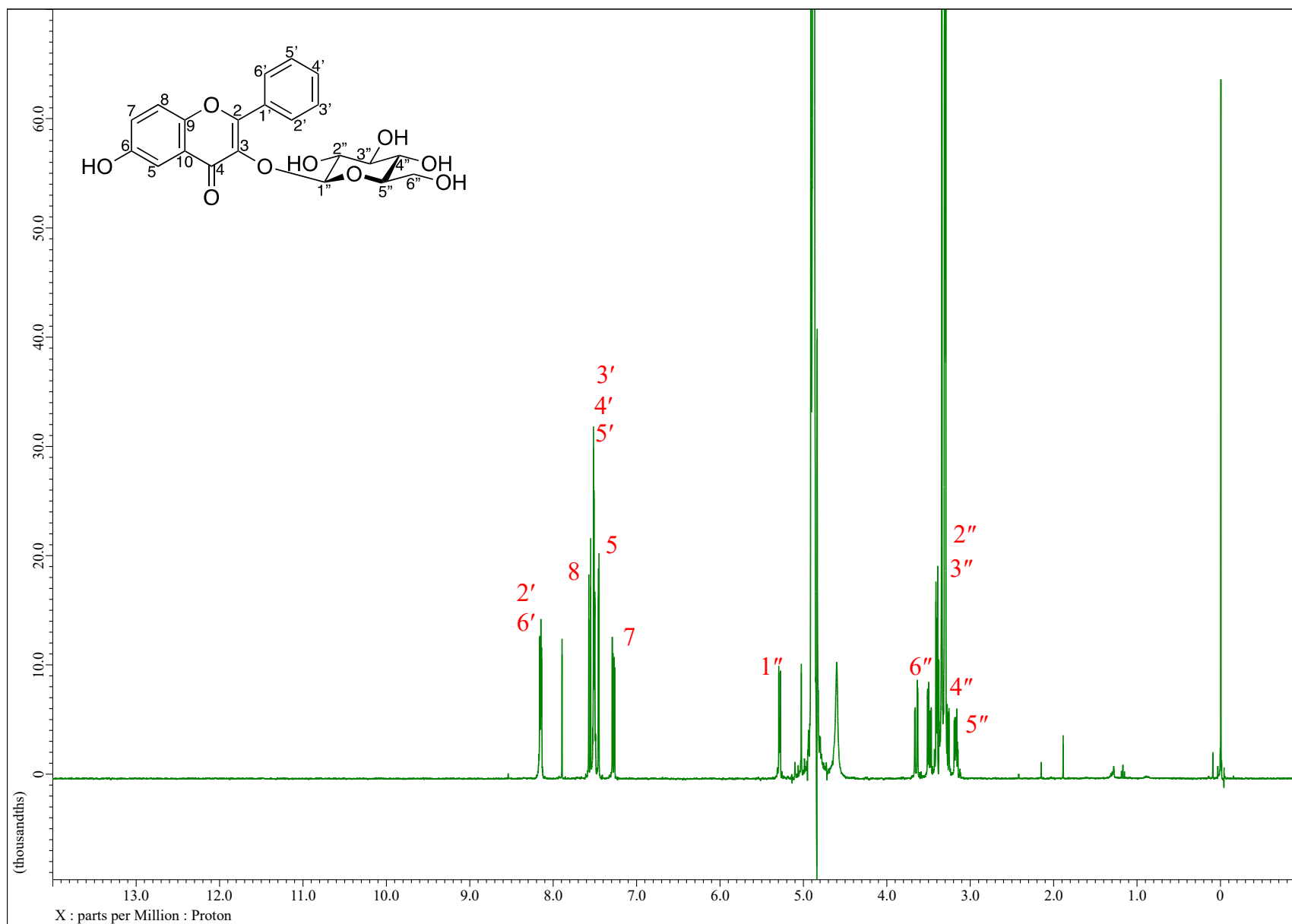


Figure S18. ¹H NMR spectrum of **17** in CD₃OD (400 MHz)

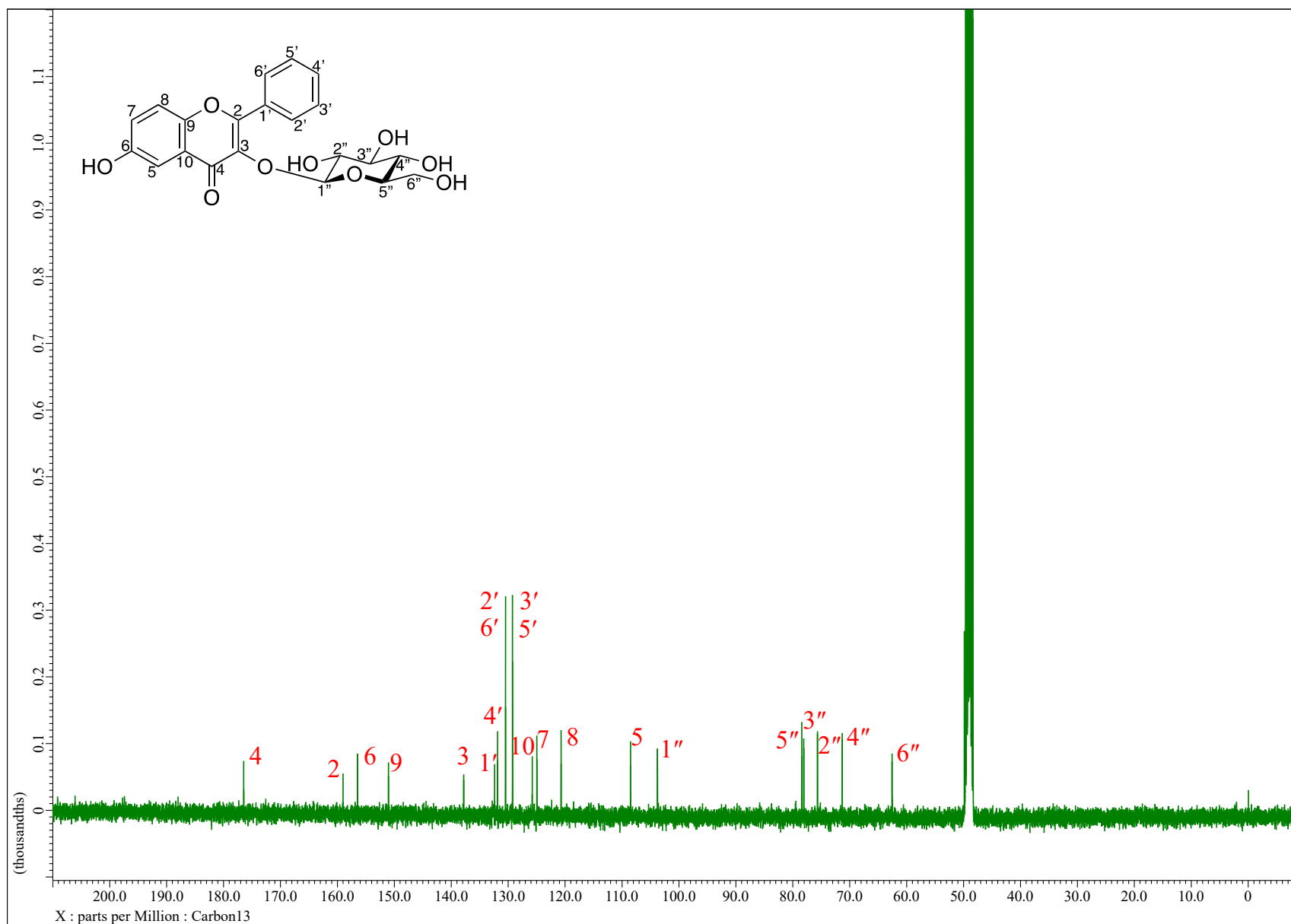


Figure S19. ^1H NMR spectrum of **17** in CD_3OD (100 MHz)

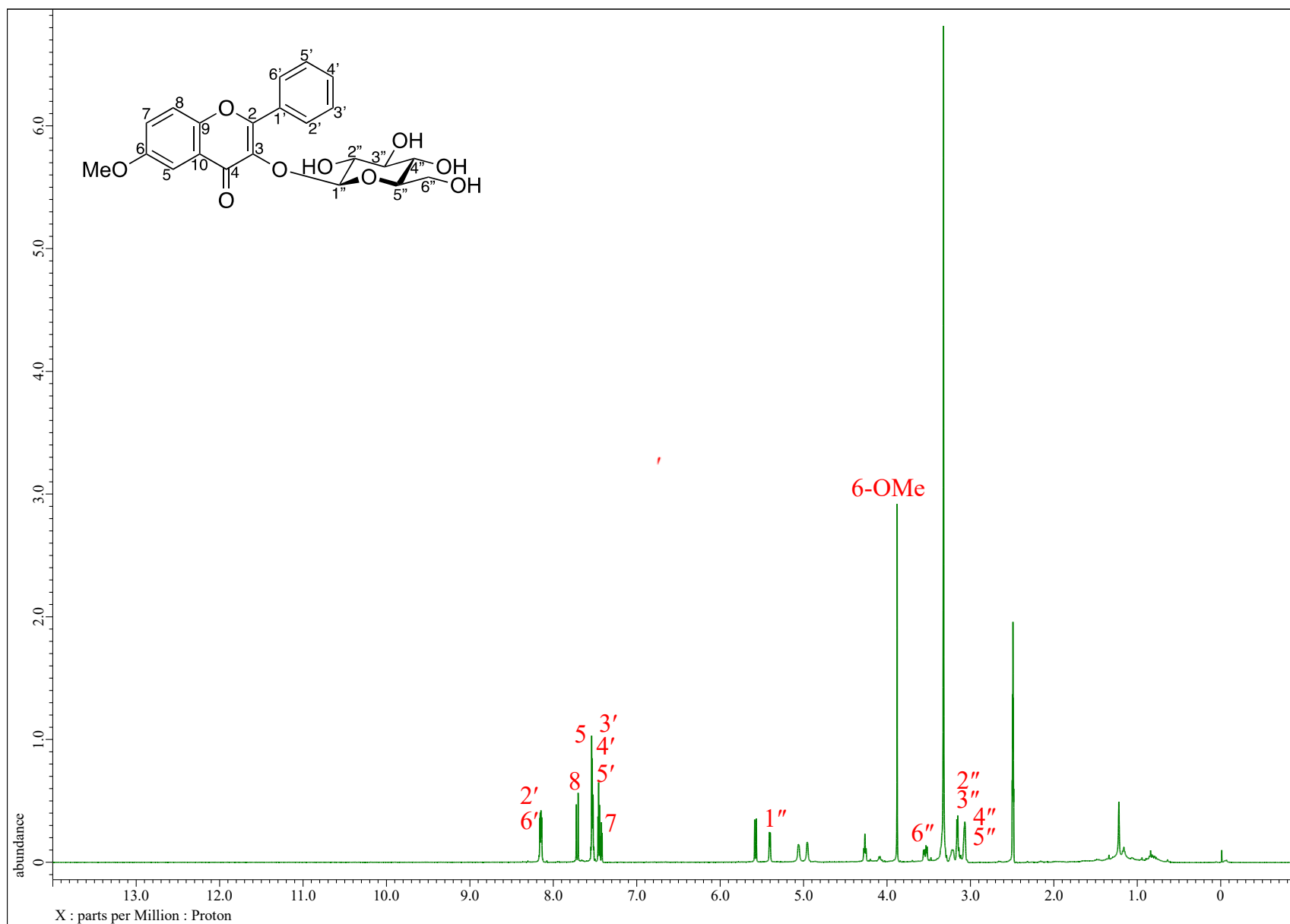


Figure S20. ^1H NMR spectrum of **18** in $\text{DMSO-}d_6$ (400 MHz)

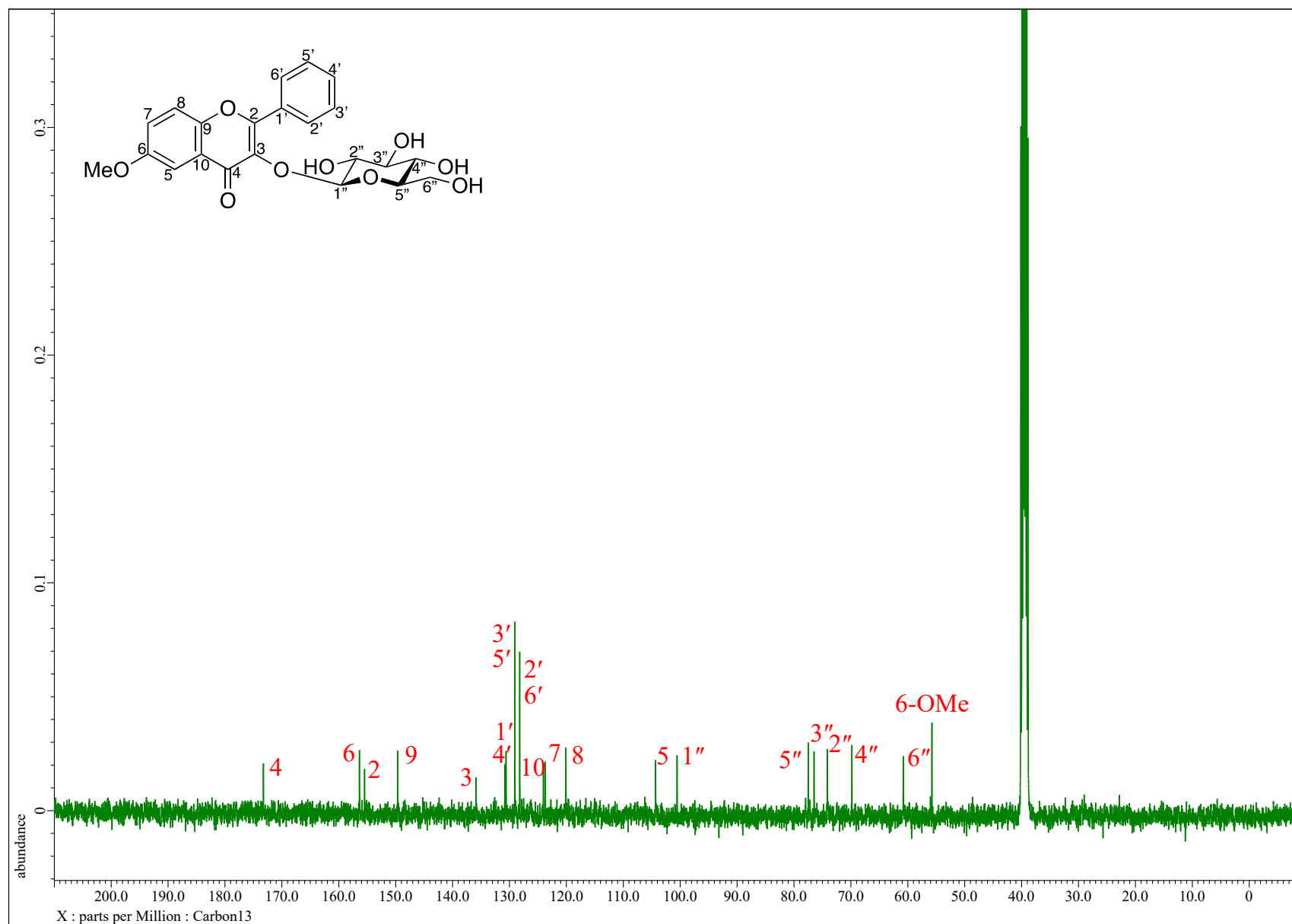


Figure S21. ^{13}C NMR spectrum of **18** in $\text{DMSO-}d_6$ (100 MHz)

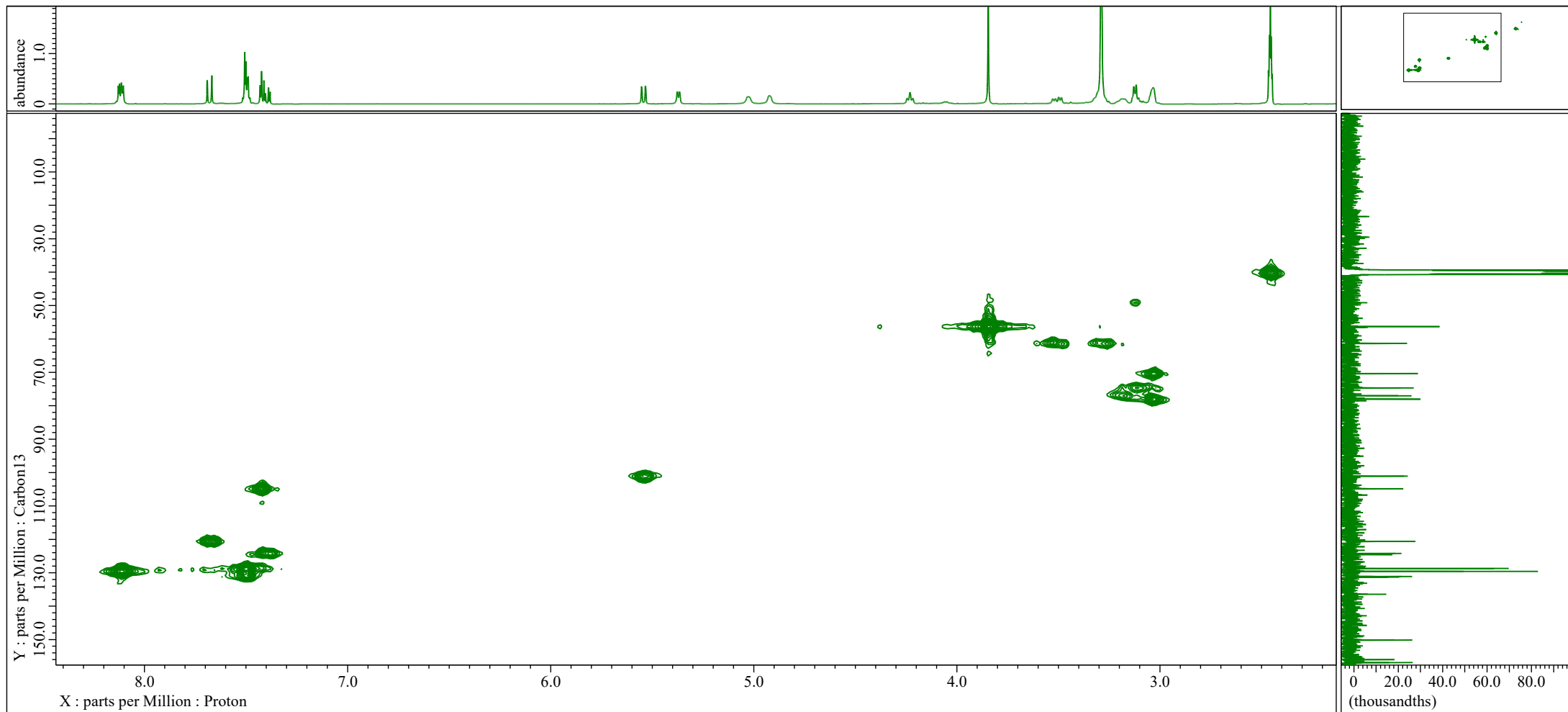


Figure S22. HMQC spectrum of **18** in DMSO- d_6 (400 MHz)

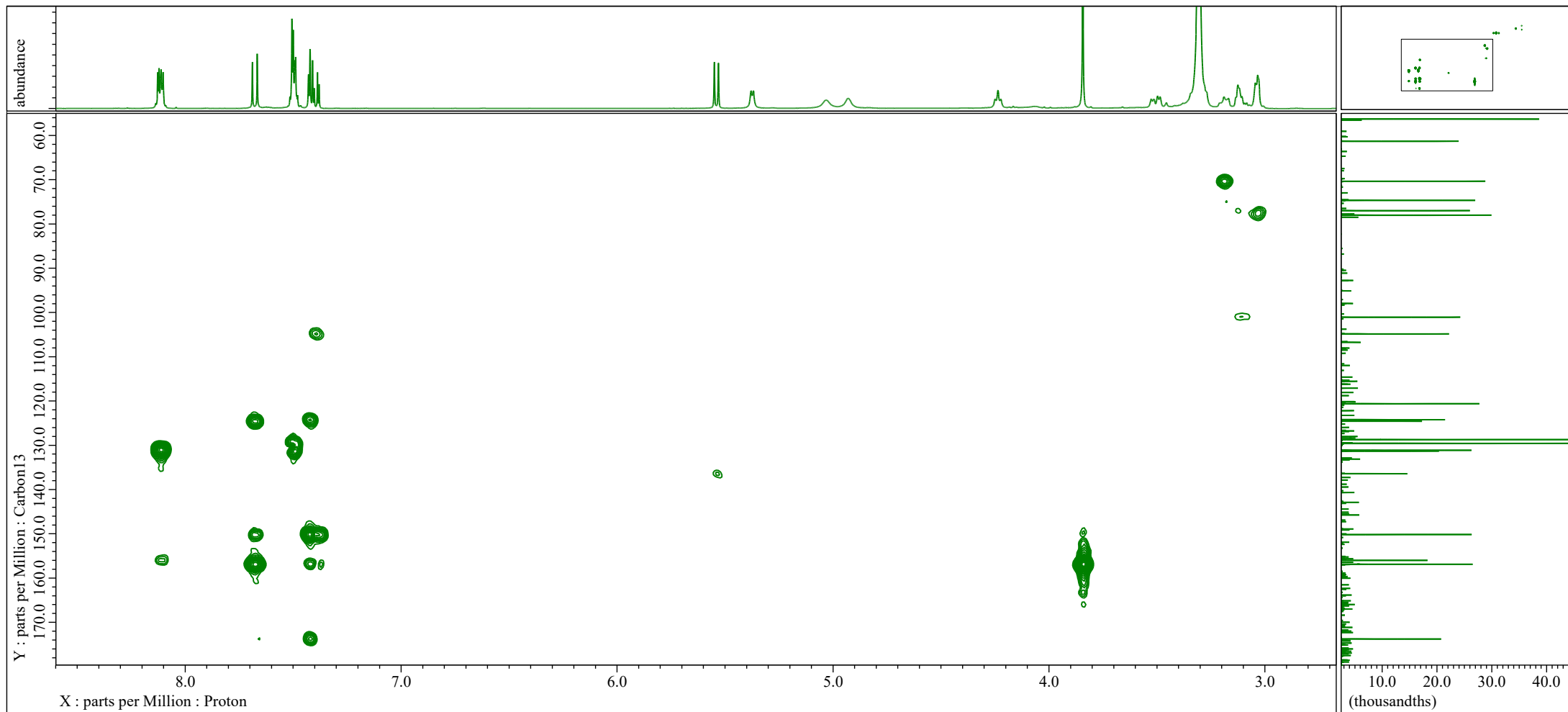


Figure S23. HMBC spectrum of **18** in DMSO-*d*₆ (400 MHz)

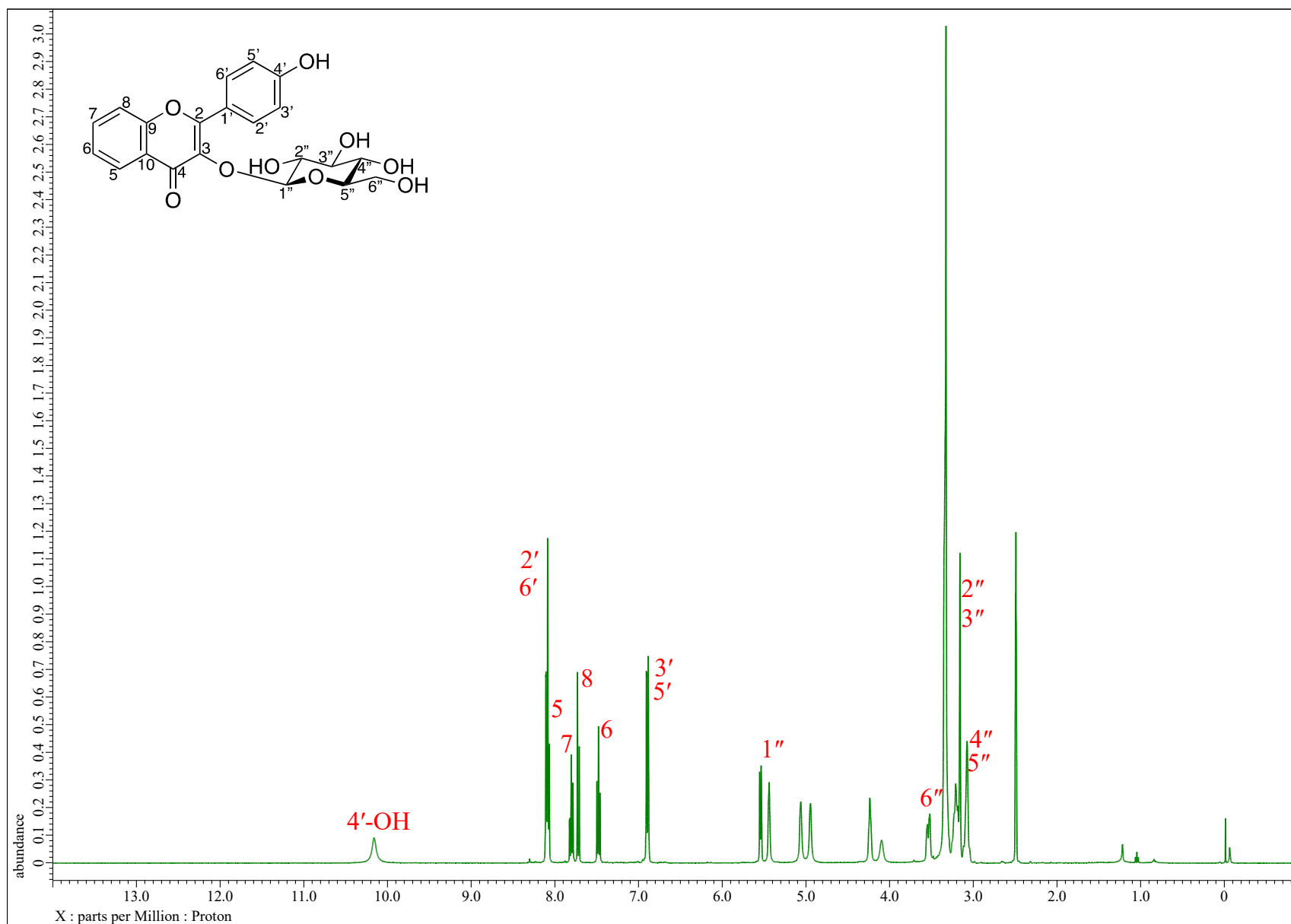


Figure S24. ^1H NMR spectrum of **19** in $\text{DMSO-}d_6$ (400 MHz)

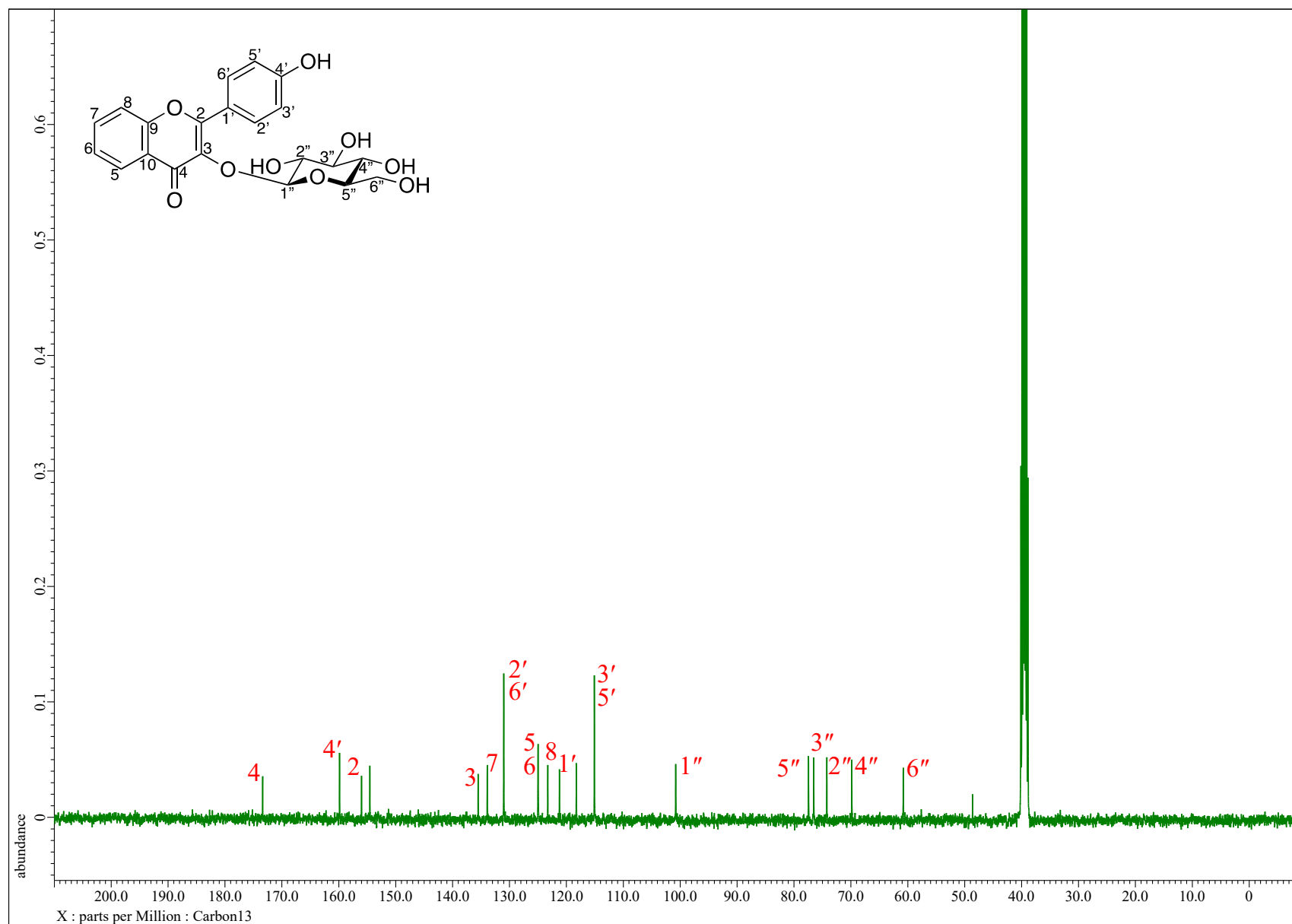


Figure S25. ^{13}C NMR spectrum of **19** in $\text{DMSO-}d_6$ (100 MHz)

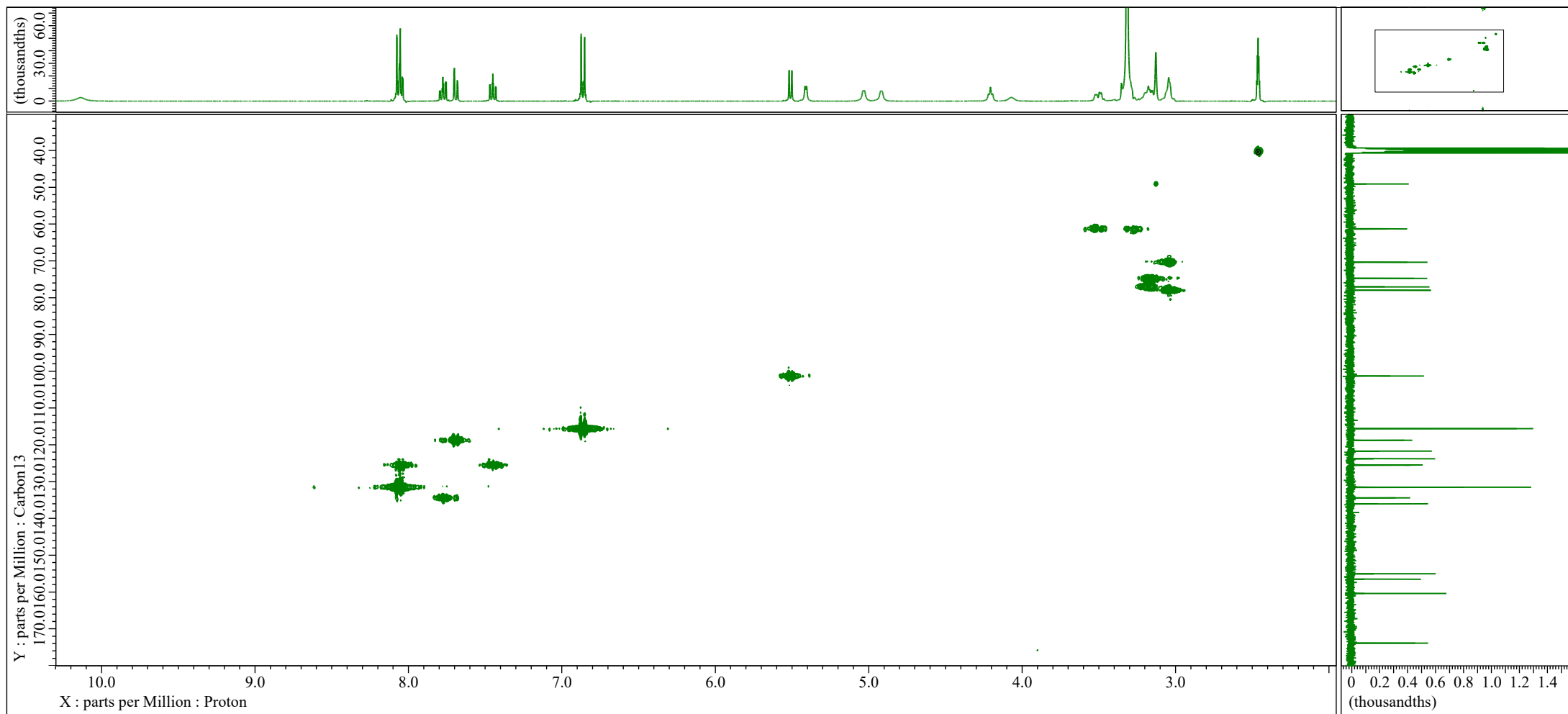


Figure S26. HMQC spectrum of **19** in DMSO-*d*₆ (400 MHz)

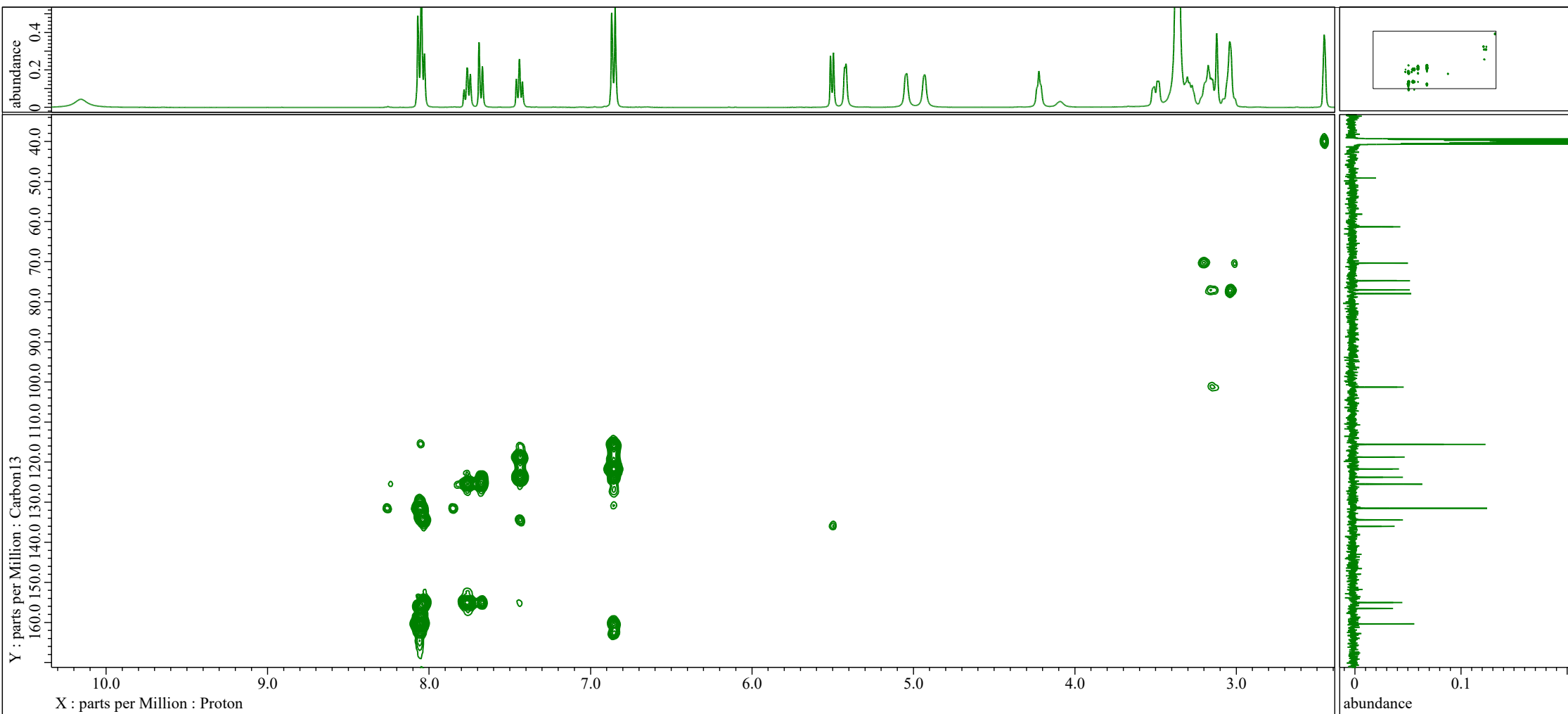


Figure S27. HMBC spectrum of **19** in DMSO-*d*₆ (400 MHz)