



Supporting Information

for

On the mass spectrometric fragmentations of the bacterial sesterterpenes sestermobaraenes A–C

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Mass spectra of the unlabelled and ^{13}C -labelled compounds 1–3, and the cyclisation mechanism from GFPP to 1–3 by SmTS1

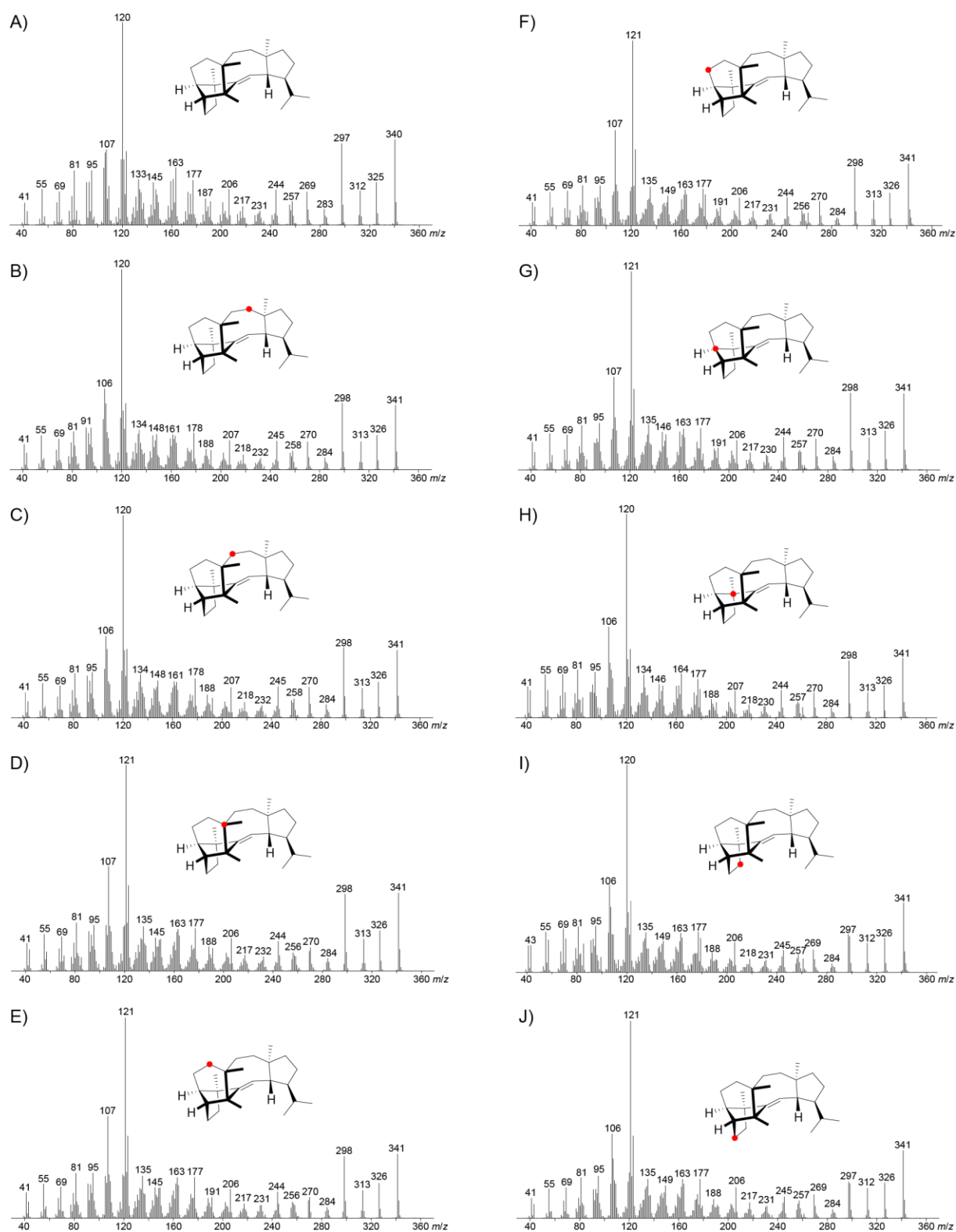


Figure S1: EI mass spectra of A) unlabelled **1** and of B)–J) (^{13}C)-**1** with labellings at carbons C1–C9. Red dots indicate ^{13}C -labelled carbons.

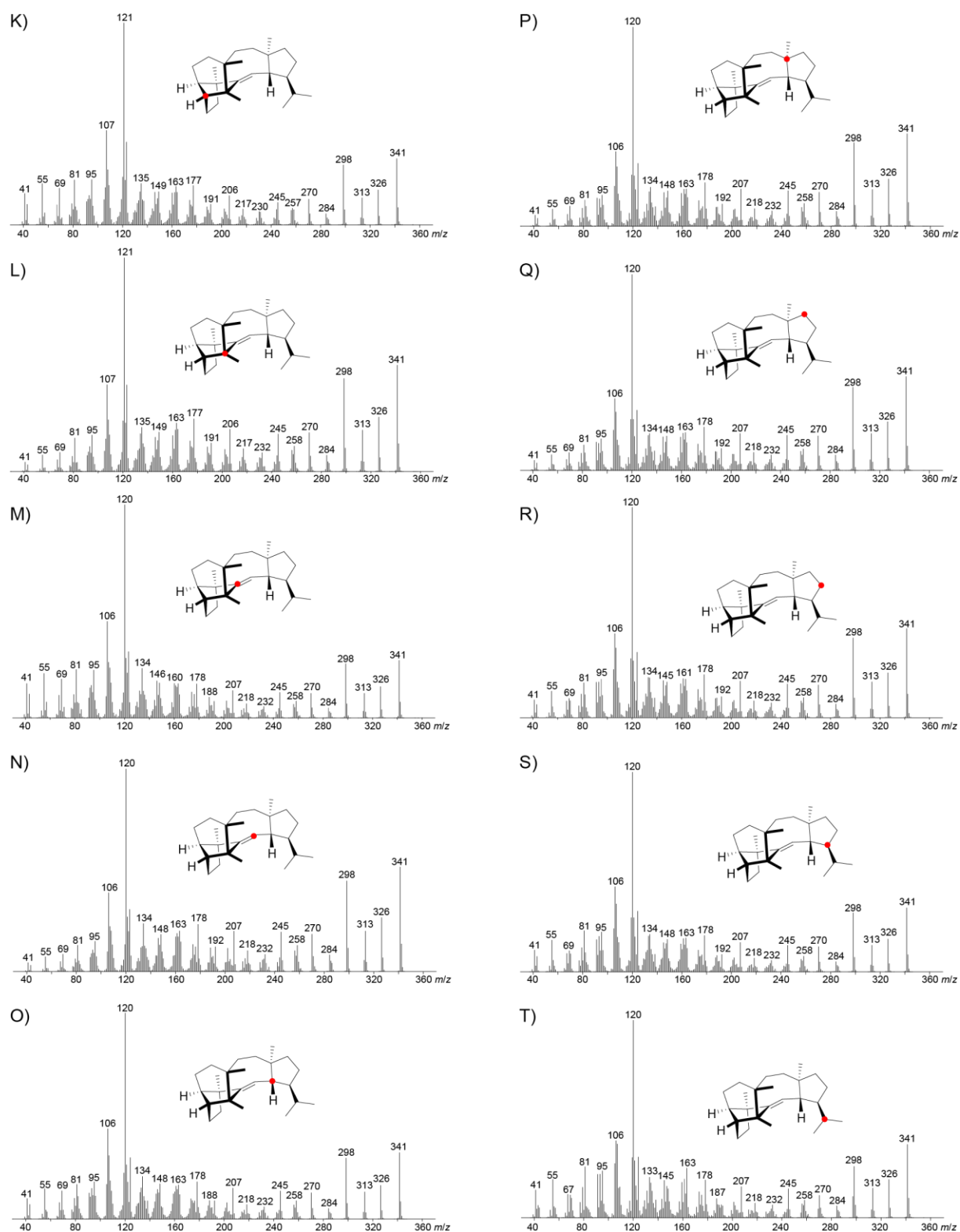


Figure S1 (continued): EI mass spectra of K)–T) (^{13}C)-1 with labellings at carbons C10–C19. Red dots indicate ^{13}C -labelled carbons.

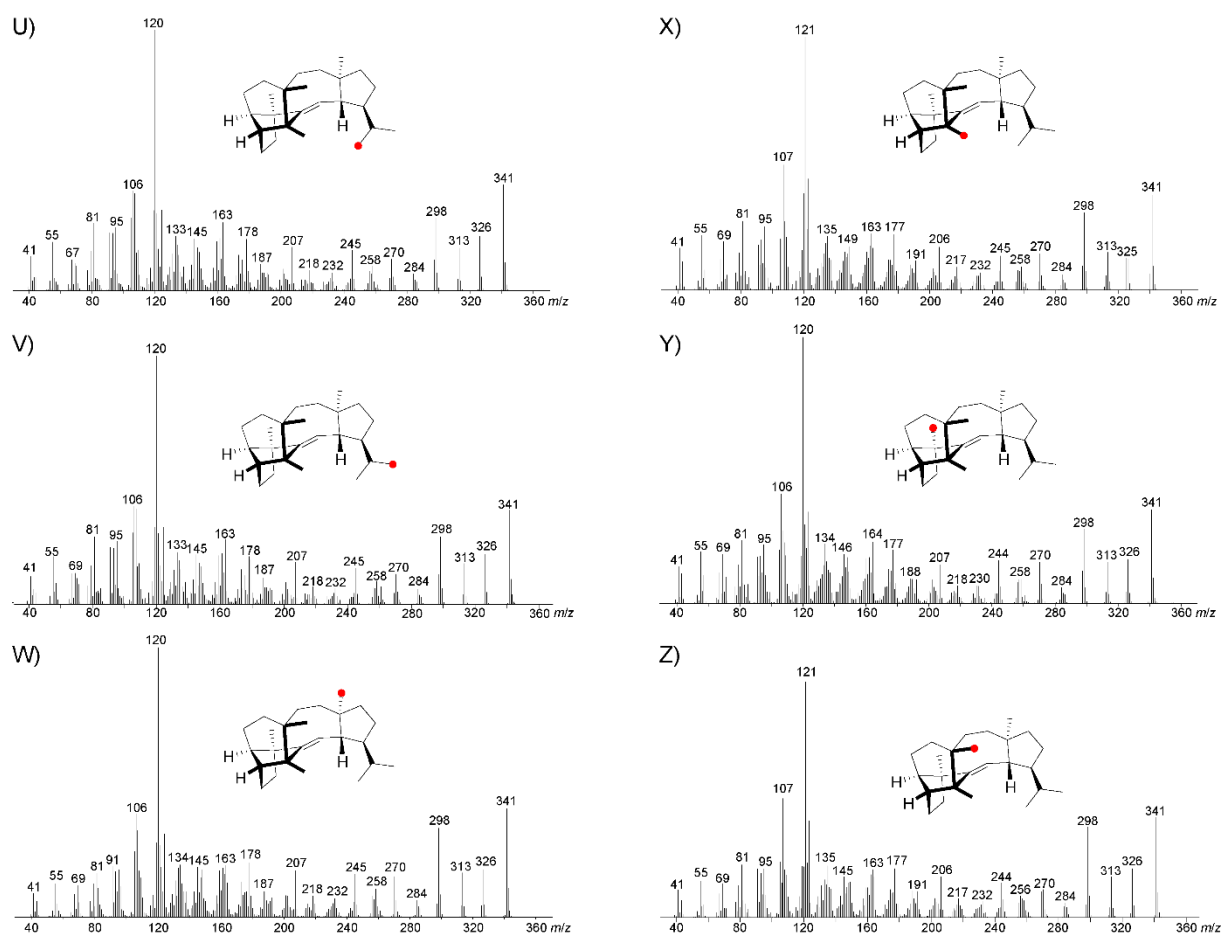


Figure S1 (continued): EI mass spectra of U)–Z) (^{13}C) -1 with labellings at carbons C20–C25. Red dots indicate ^{13}C -labelled carbons.

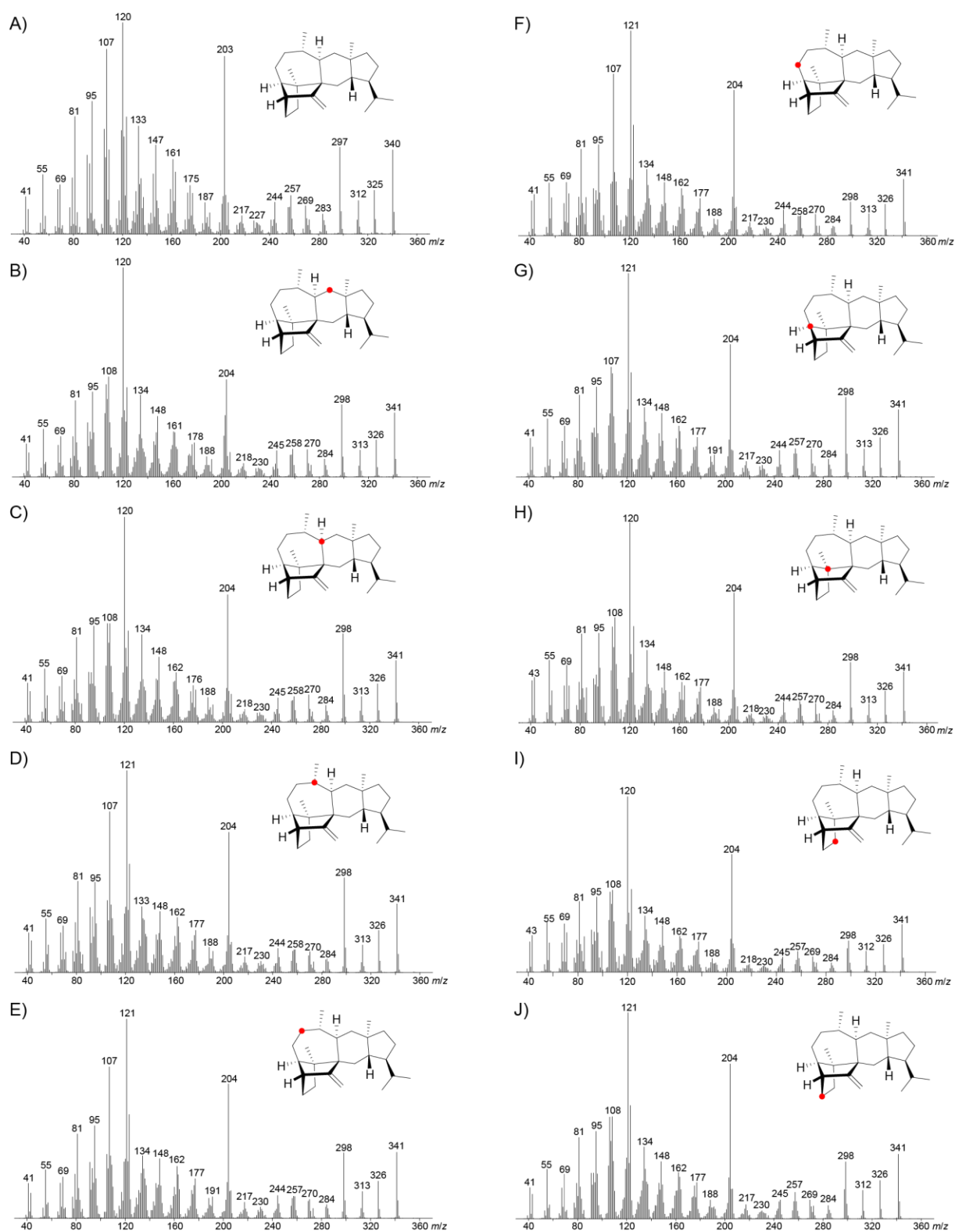


Figure S2: EI mass spectra of A) unlabelled **2** and of B)–J) (^{13}C)-**2** with labellings at carbons C1–C9. Red dots indicate ^{13}C -labelled carbons.

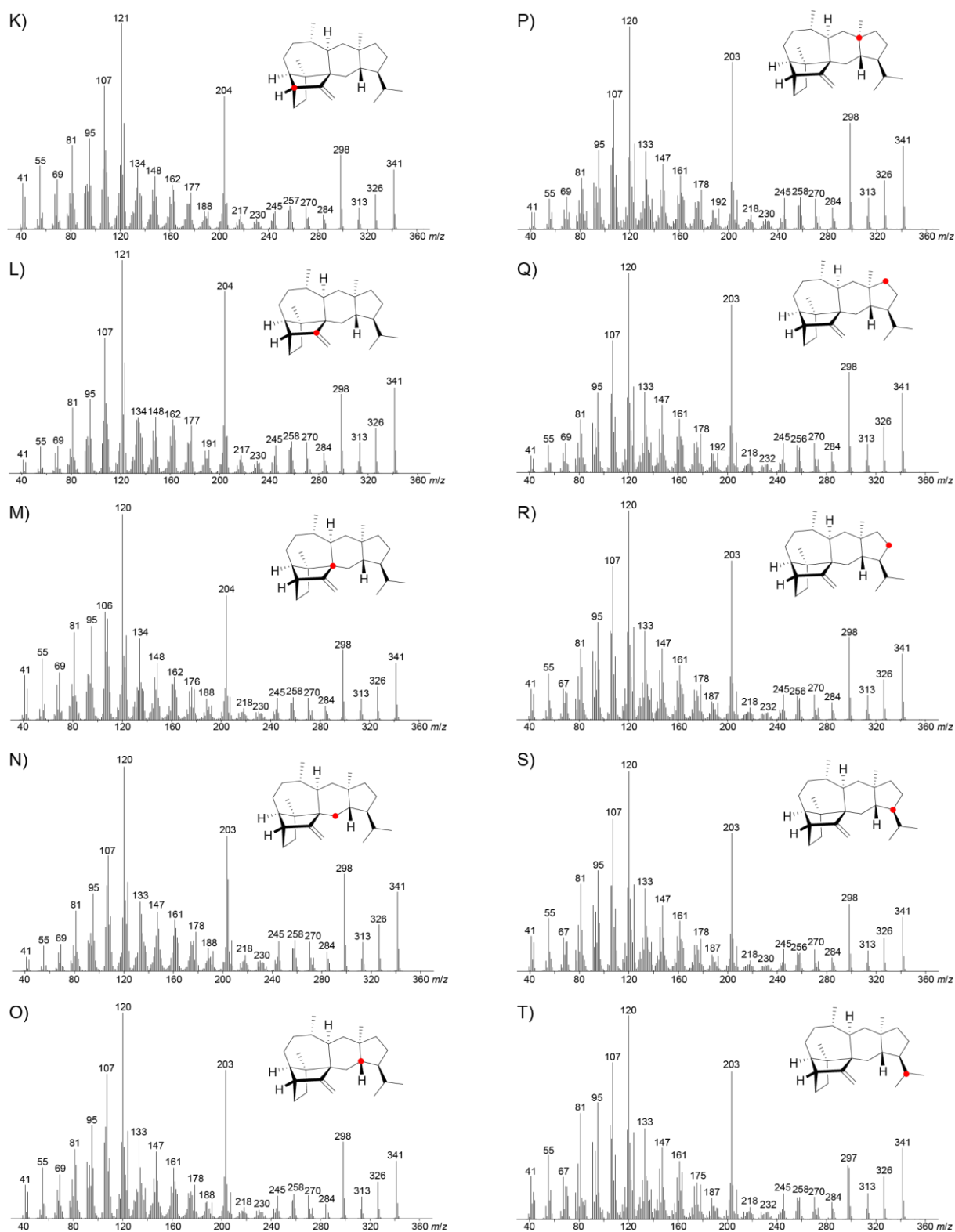


Figure S2 (continued): EI mass spectra of K)–T) (^{13}C)-2 with labellings at carbons C10–C19. Red dots indicate ^{13}C -labelled carbons.

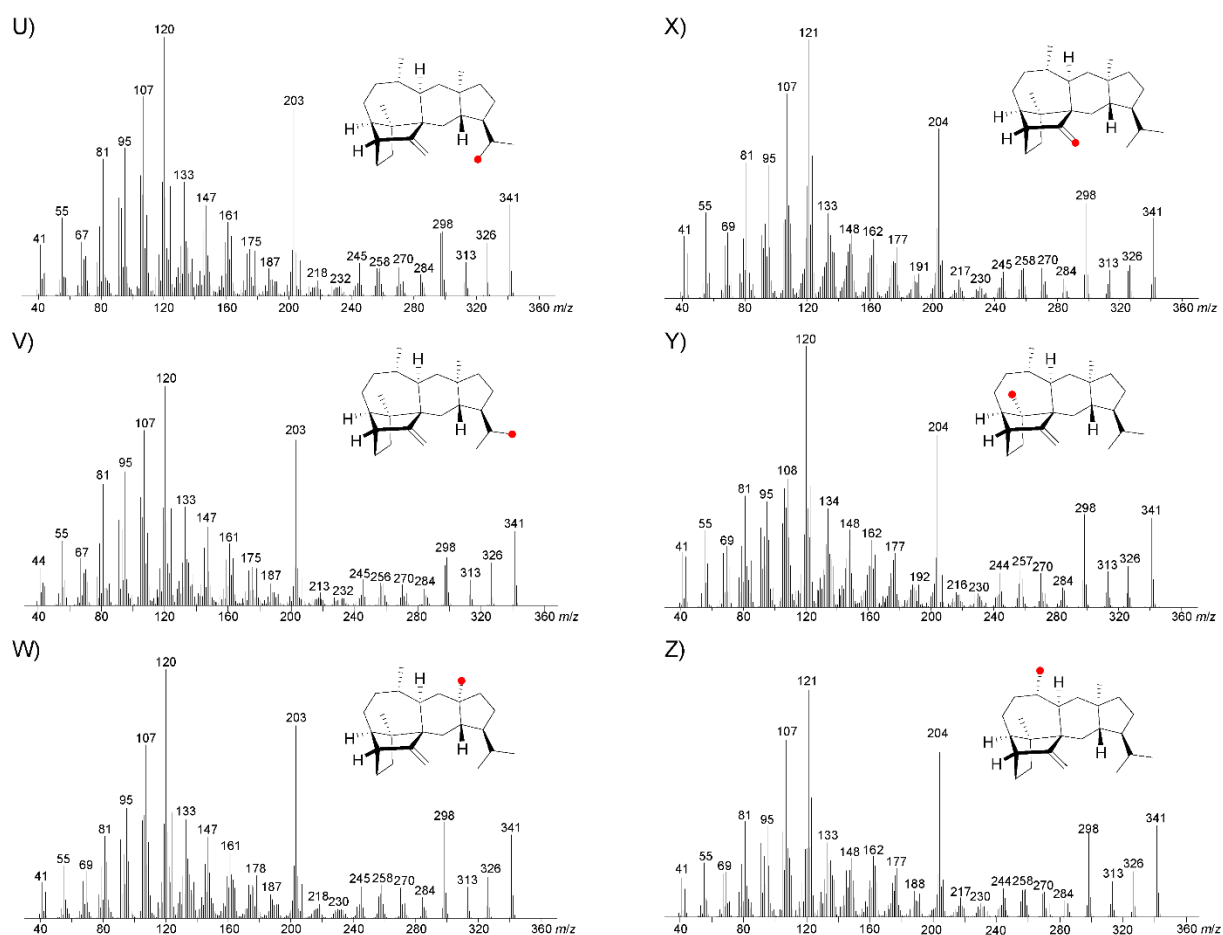


Figure S2 (continued): EI mass spectra of U)–Z) (^{13}C)-2 with labellings at carbons C20–C25. Red dots indicate ^{13}C -labelled carbons.

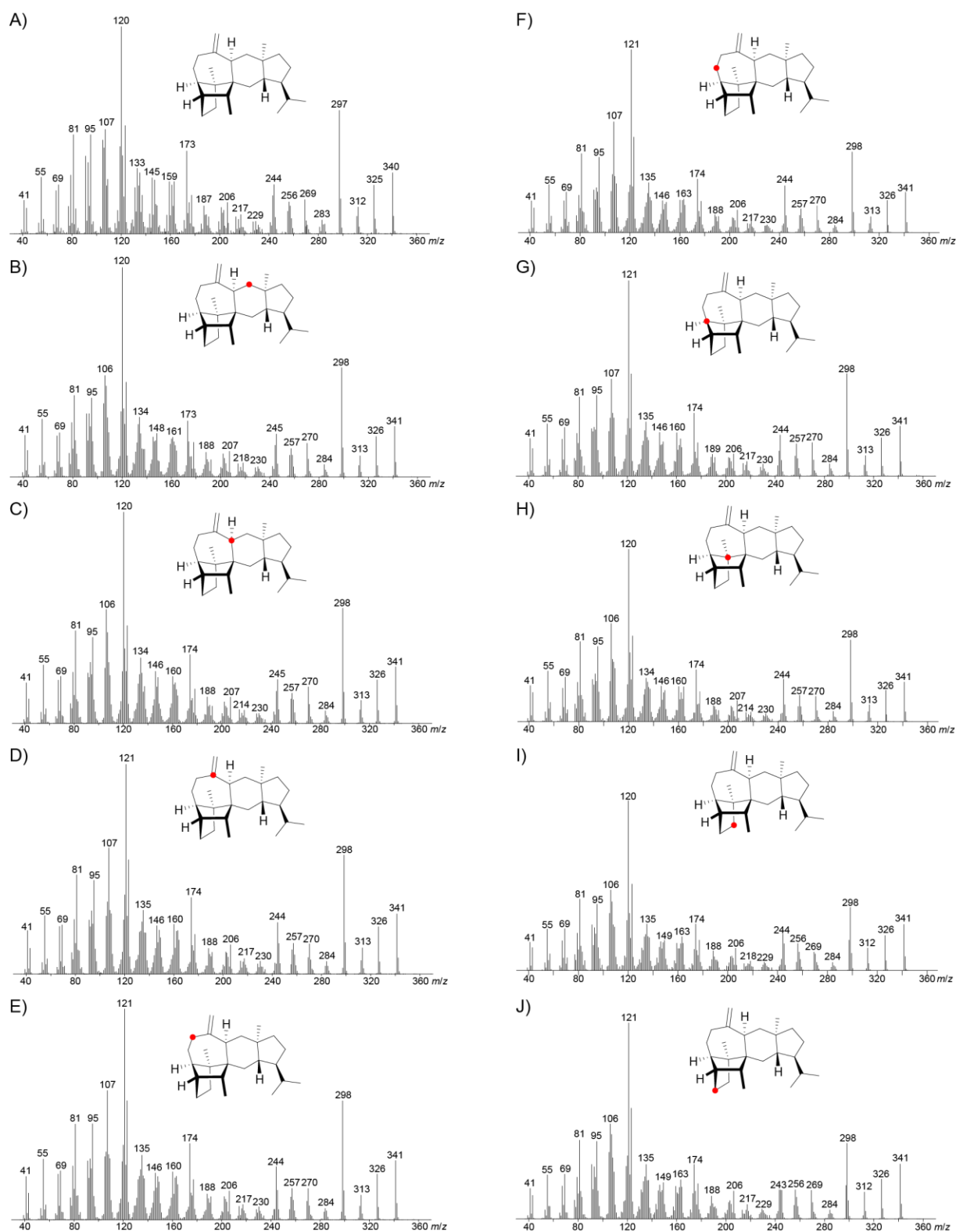


Figure S3: EI mass spectra of A) unlabelled **3** and of B)–J) ^{13}C -**1** with labellings at carbons C1–C9. Red dots indicate ^{13}C -labelled carbons.

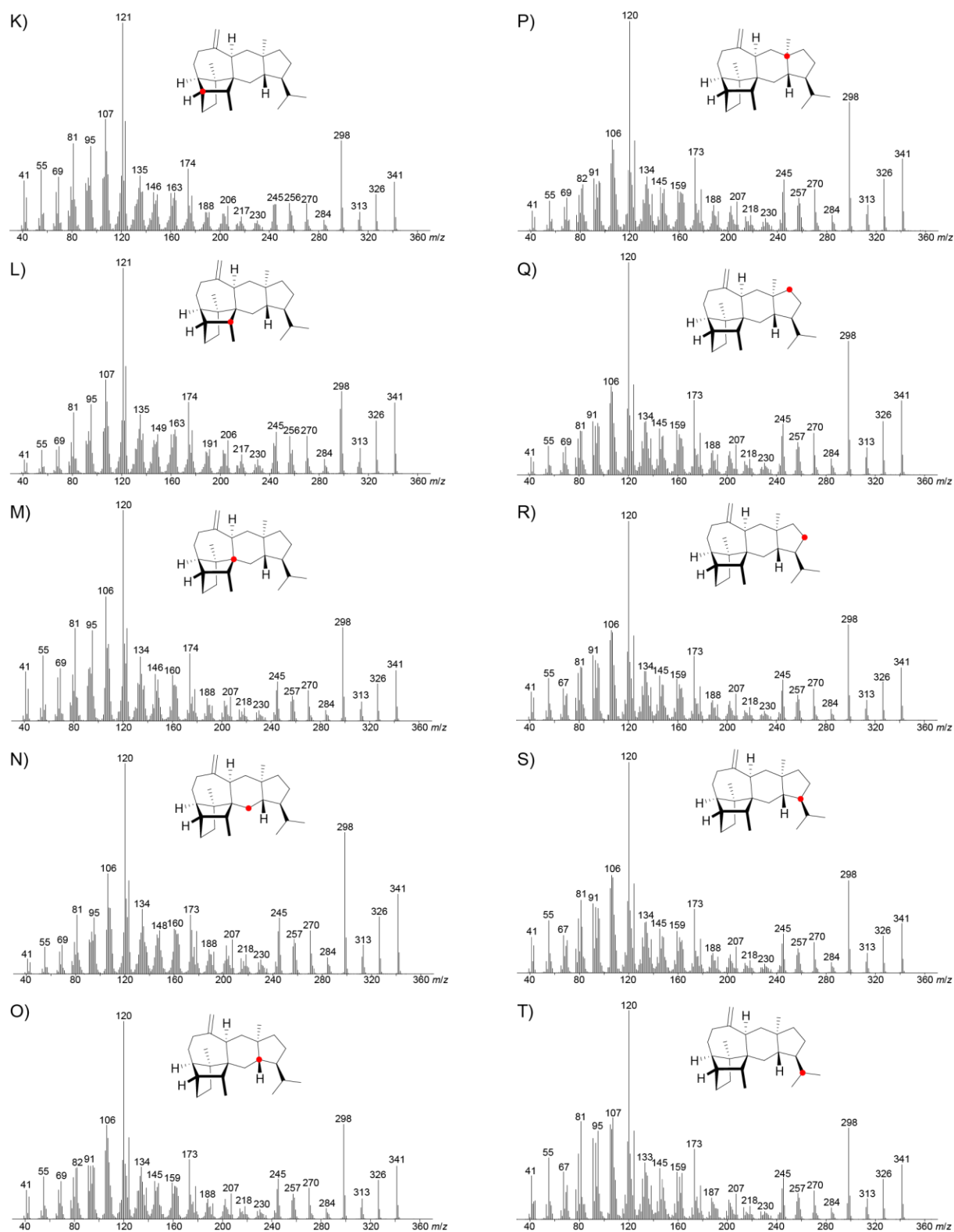


Figure S3 (continued): EI mass spectra of K)–T) $(^{13}\text{C})\text{-3}$ with labellings at carbons C10–C19. Red dots indicate ^{13}C -labelled carbons.

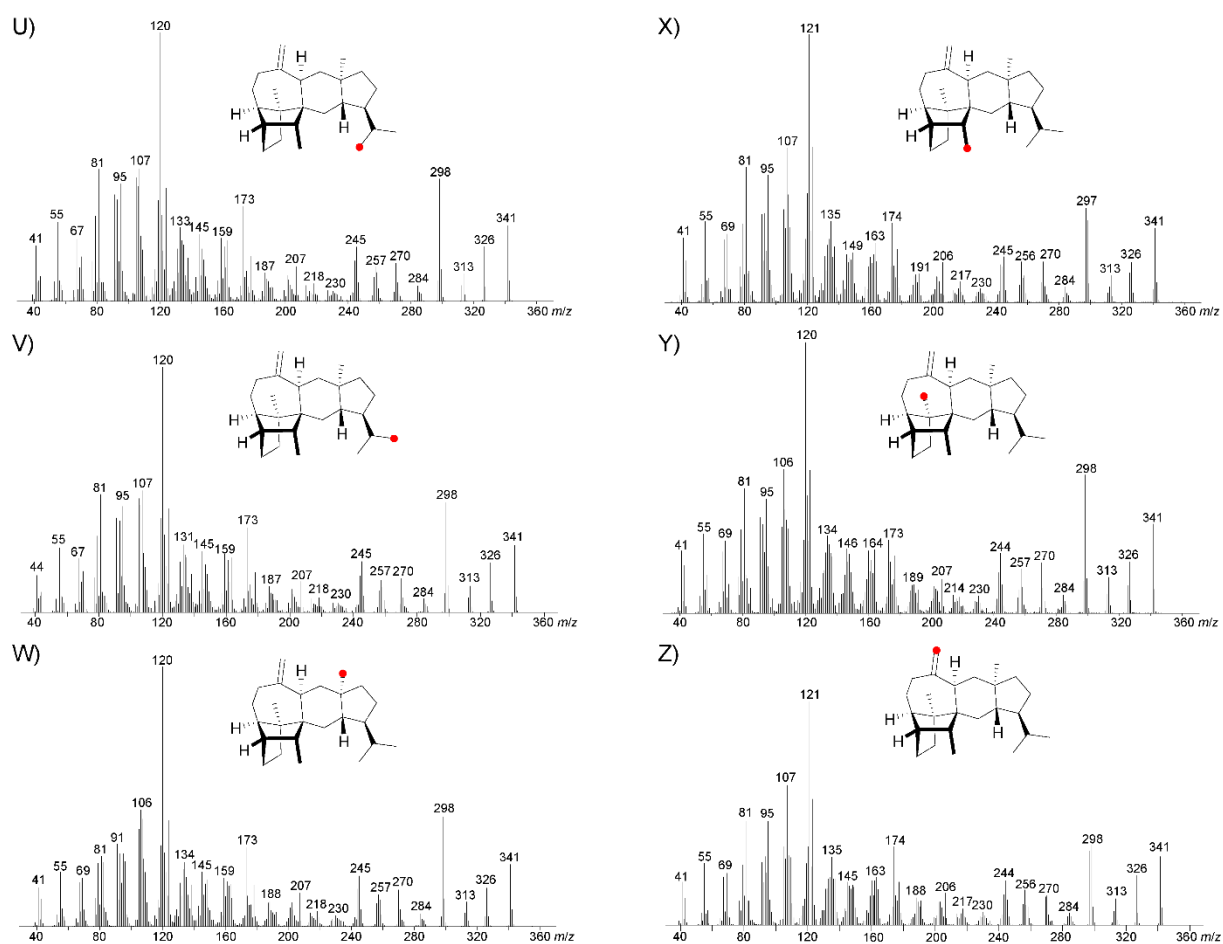
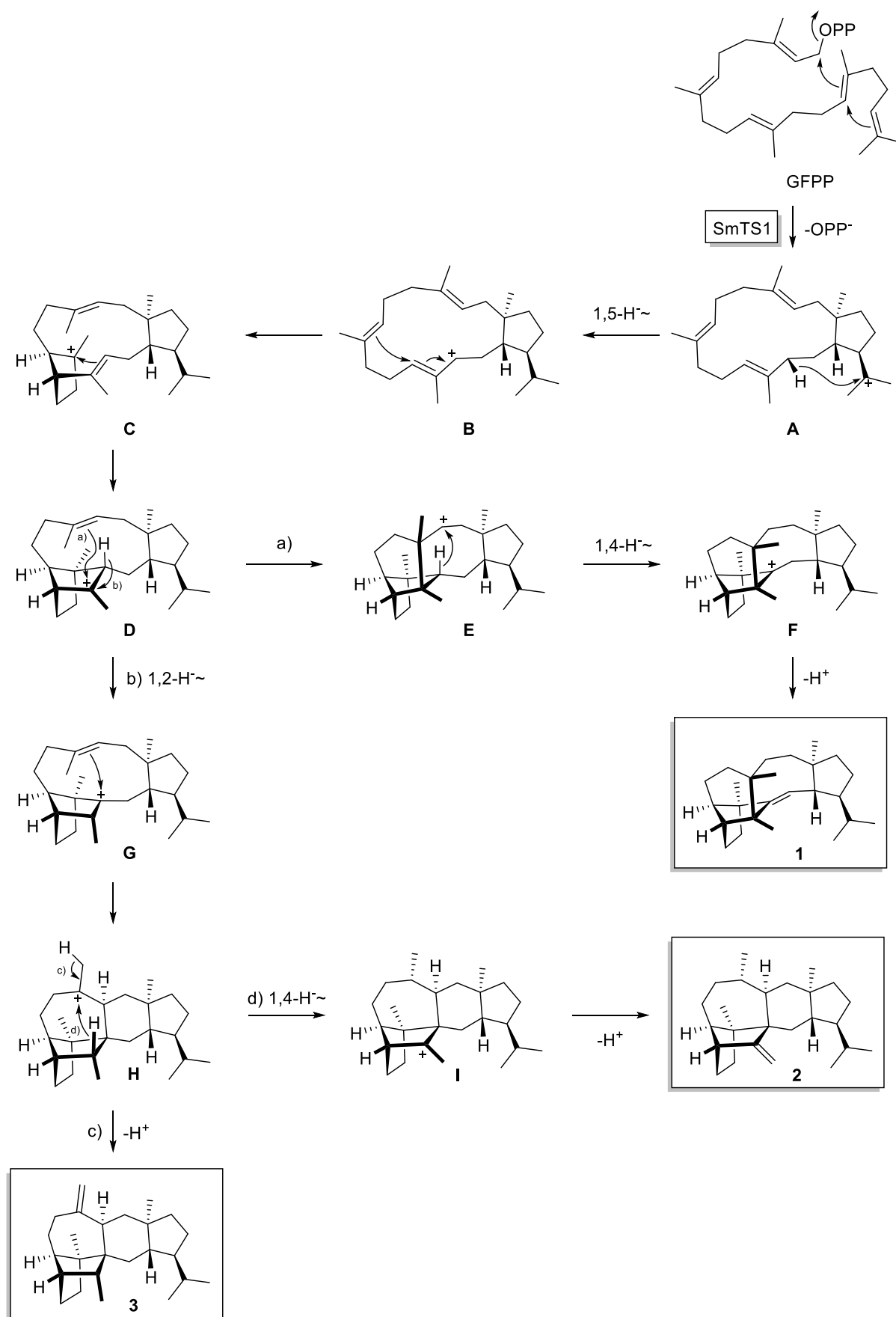


Figure S3 (continued): EI mass spectra of U)–Z) (^{13}C)-3 with labellings at carbons C20–C25. Red dots indicate ^{13}C -labelled carbons.



Scheme S1: Cyclisation mechanism from GFPP to 1–3 by SmTS1.