

Characterization of polyphenols from *Chenopodium botrys* after fractionation with different solvents and study of their in vitro biological activity

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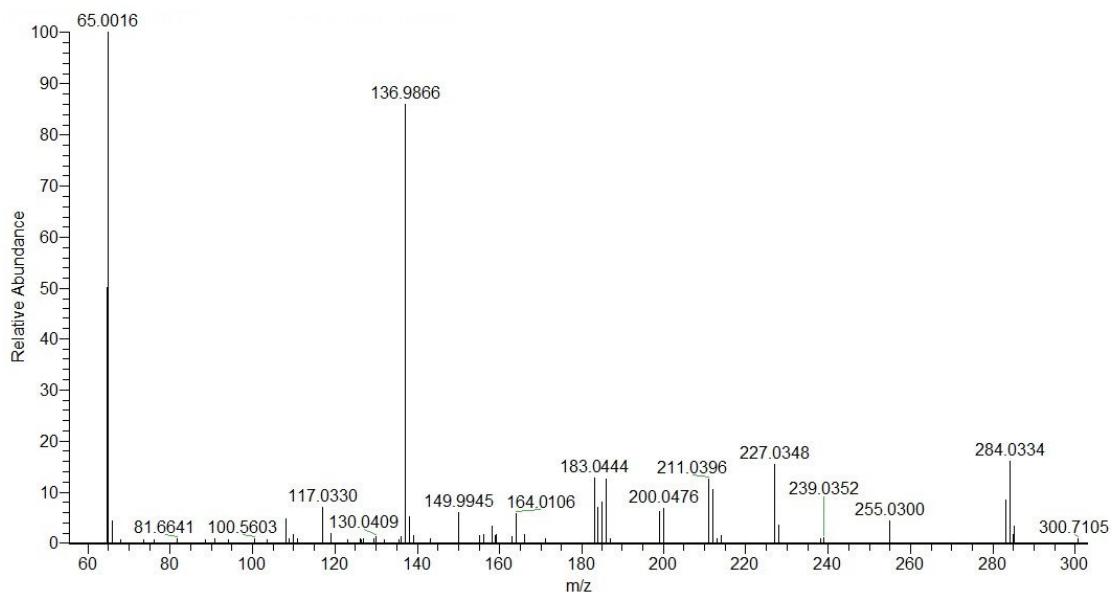


Figure S1. Mass spectrum of hispidulin obtained by negative ion ESI-MS/MS.

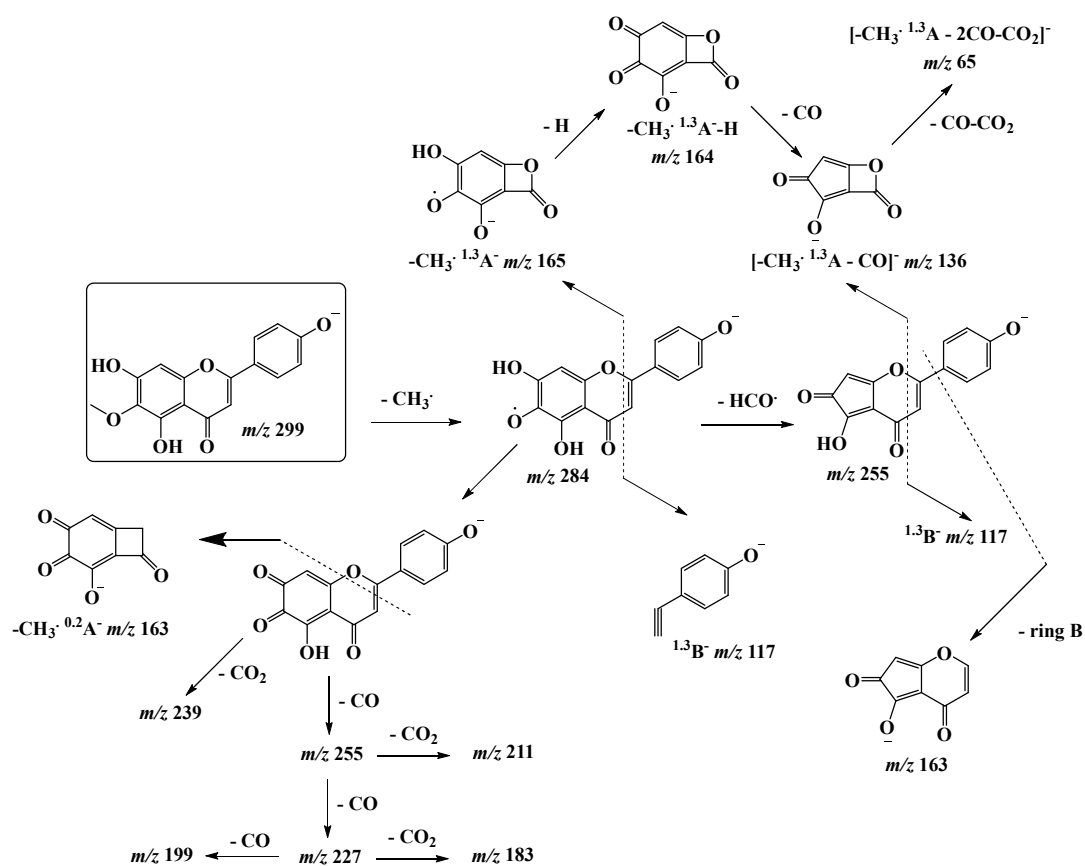


Figure S2. Proposed fragmentation of deprotonated hispidulin $[M-H]^-$ at CE 55 eV.

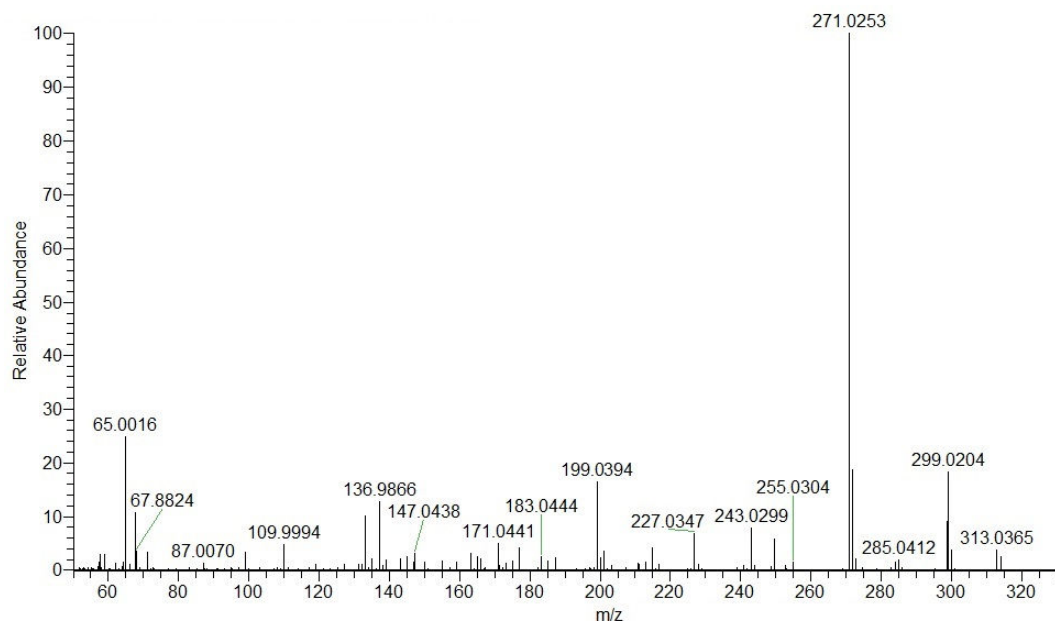


Figure S3. Mass spectrum of jaceosidin obtained by negative ion ESI-MS/MS.

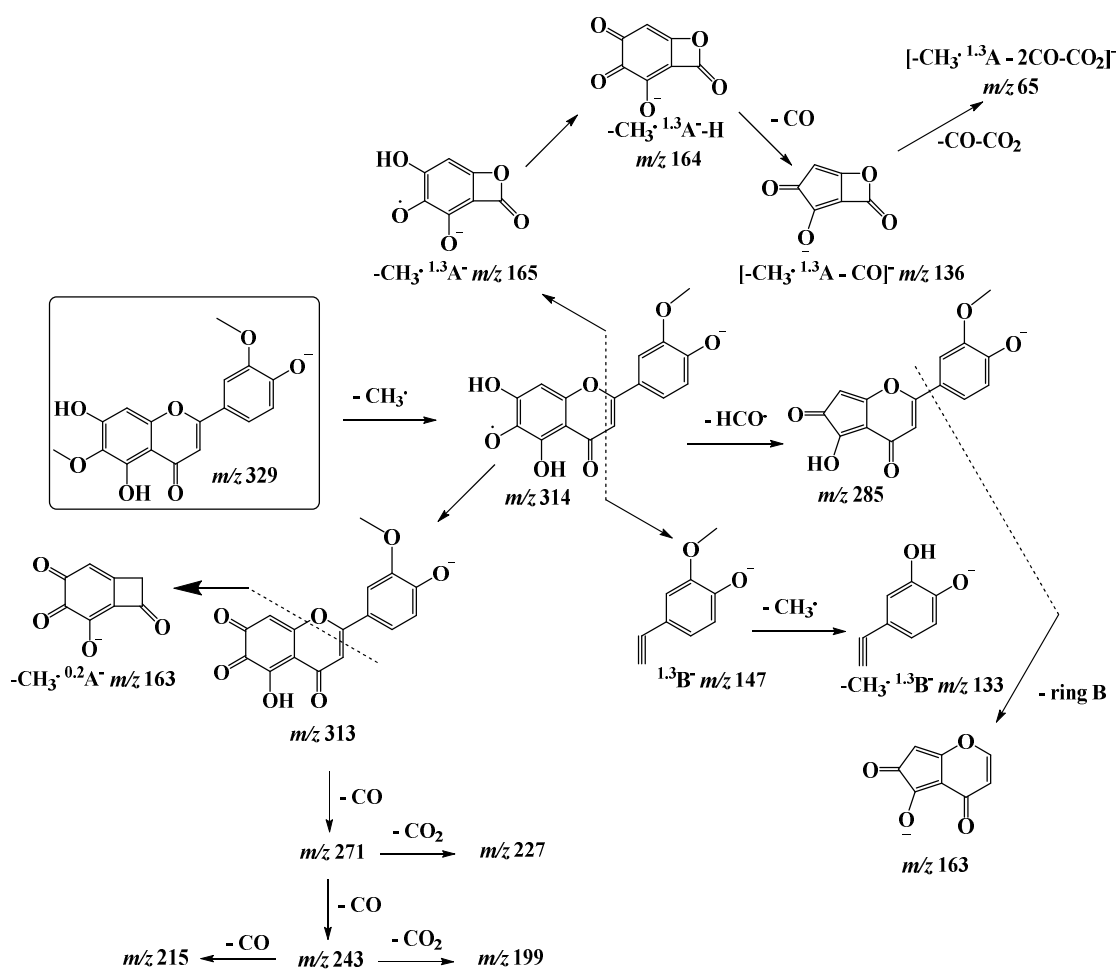
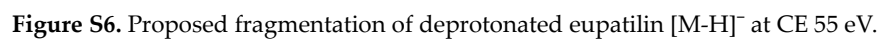
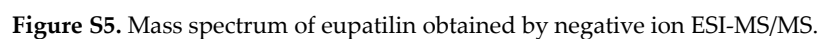


Figure S4. Proposed fragmentation of deprotonated jaceosidin $[M-H]^-$ at CE 55 eV.



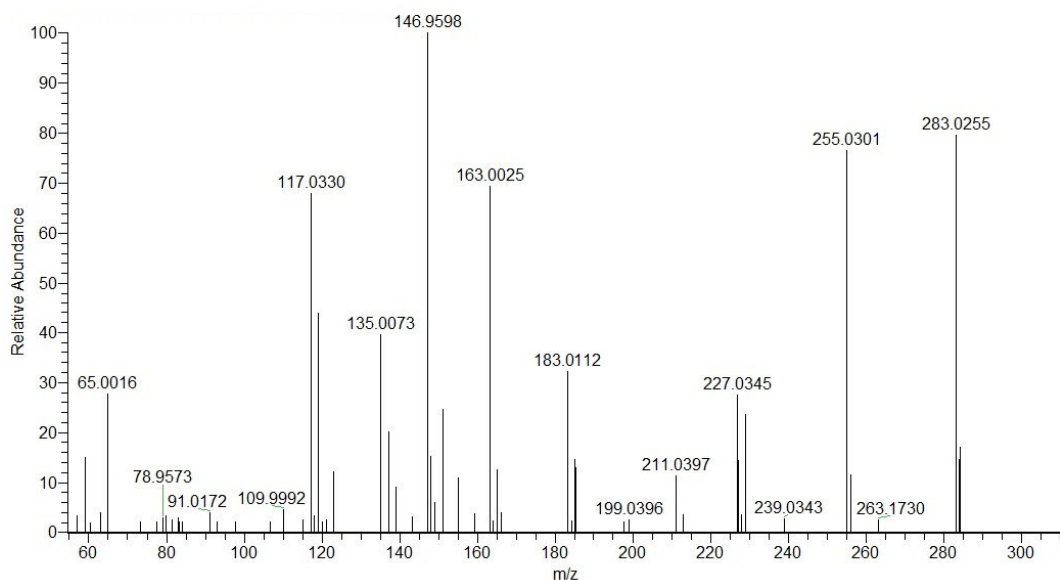


Figure S7. Mass spectrum of pectolinarigenin obtained by negative ion ESI-MS/MS.

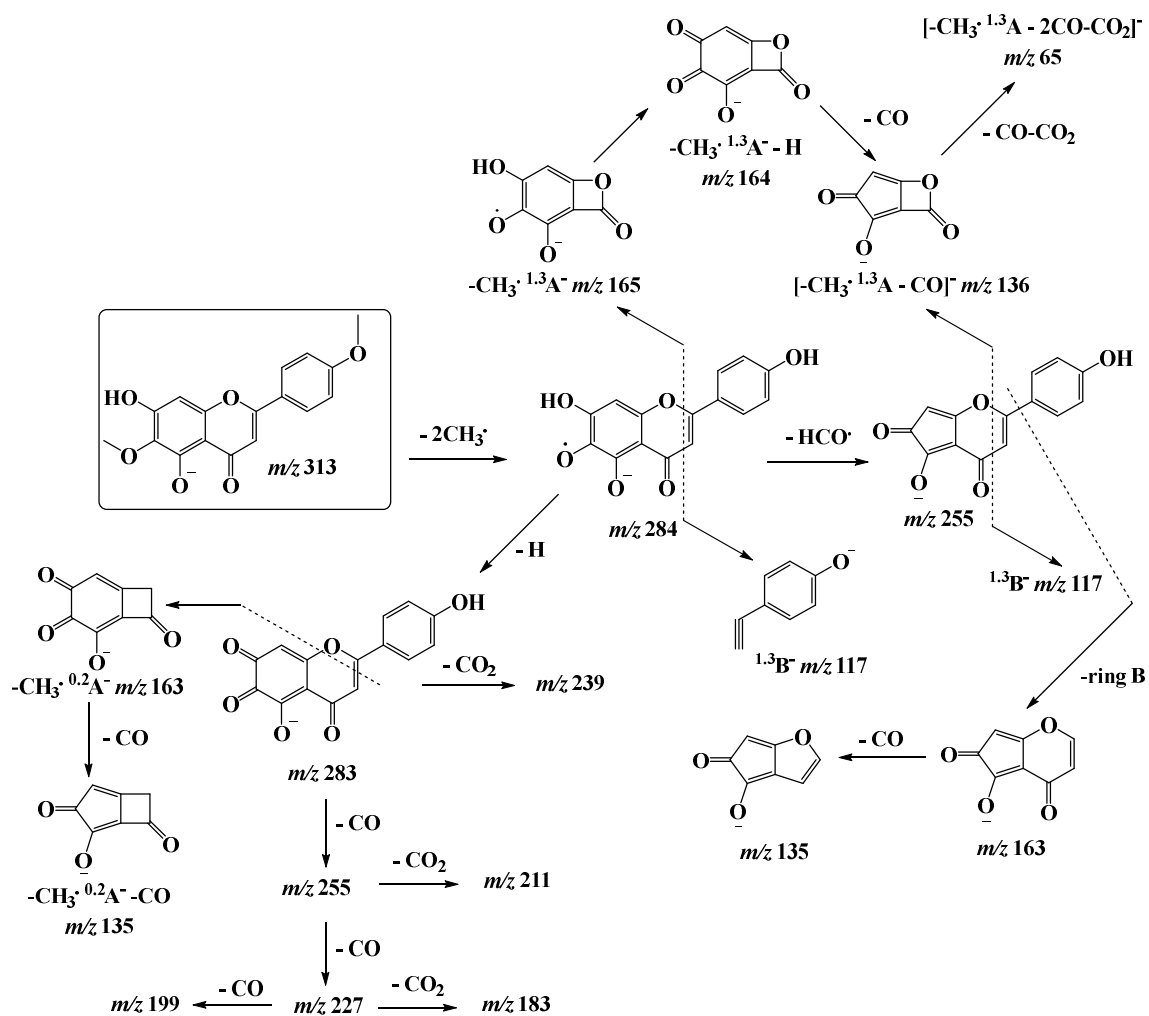


Figure S8. Proposed fragmentation of deprotonated pectolinarigenin $[M-H]^-$ at CE 55 eV.

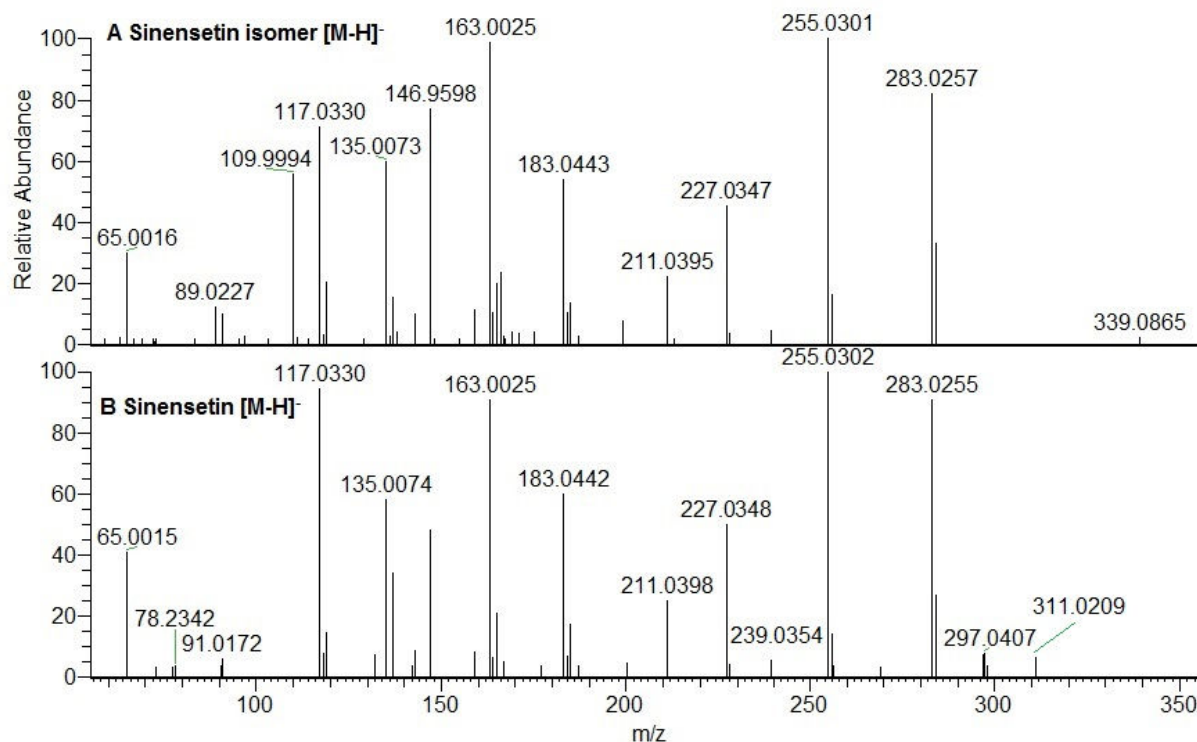


Figure S9. Mass spectrum of sinensetin and sinensetin isomer obtained by negative ion ESI-MS/MS.

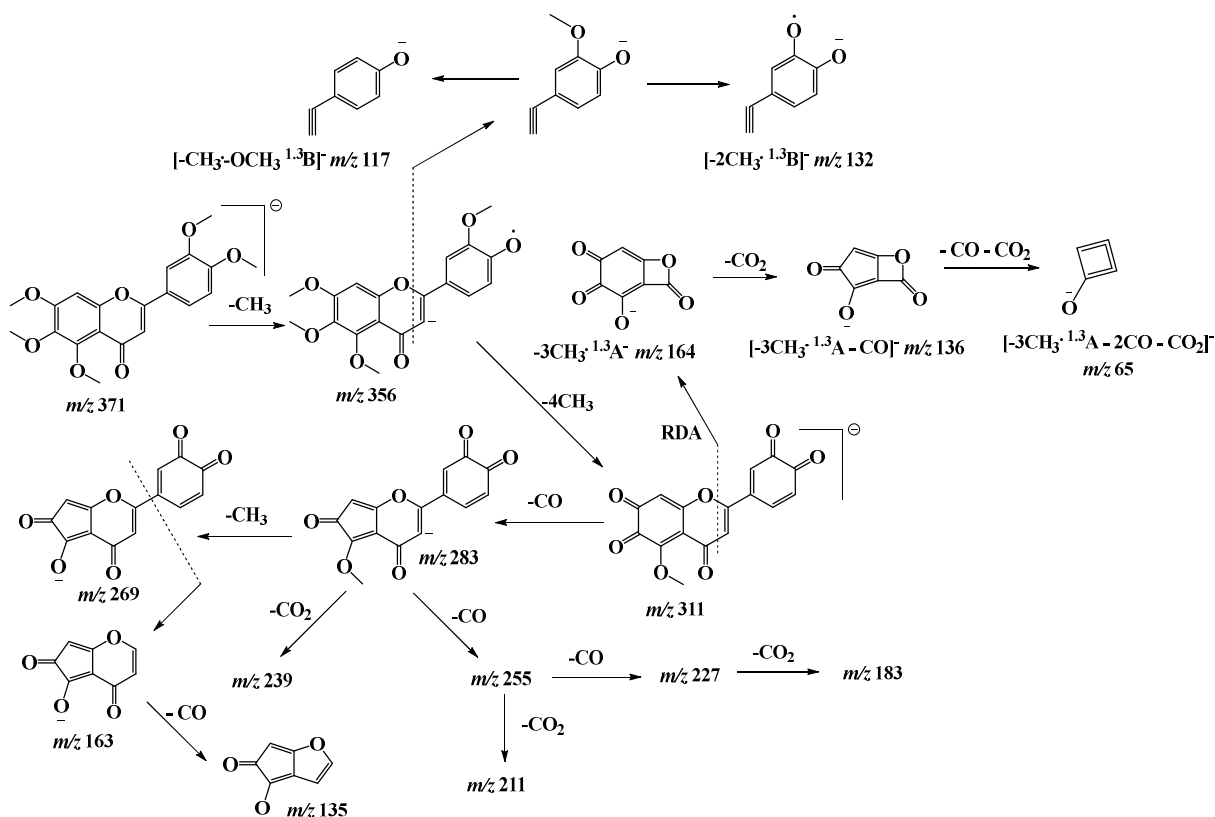


Figure S10. Proposed fragmentation of deprotonated sinensetin [M-H]⁻ at CE 55 eV.

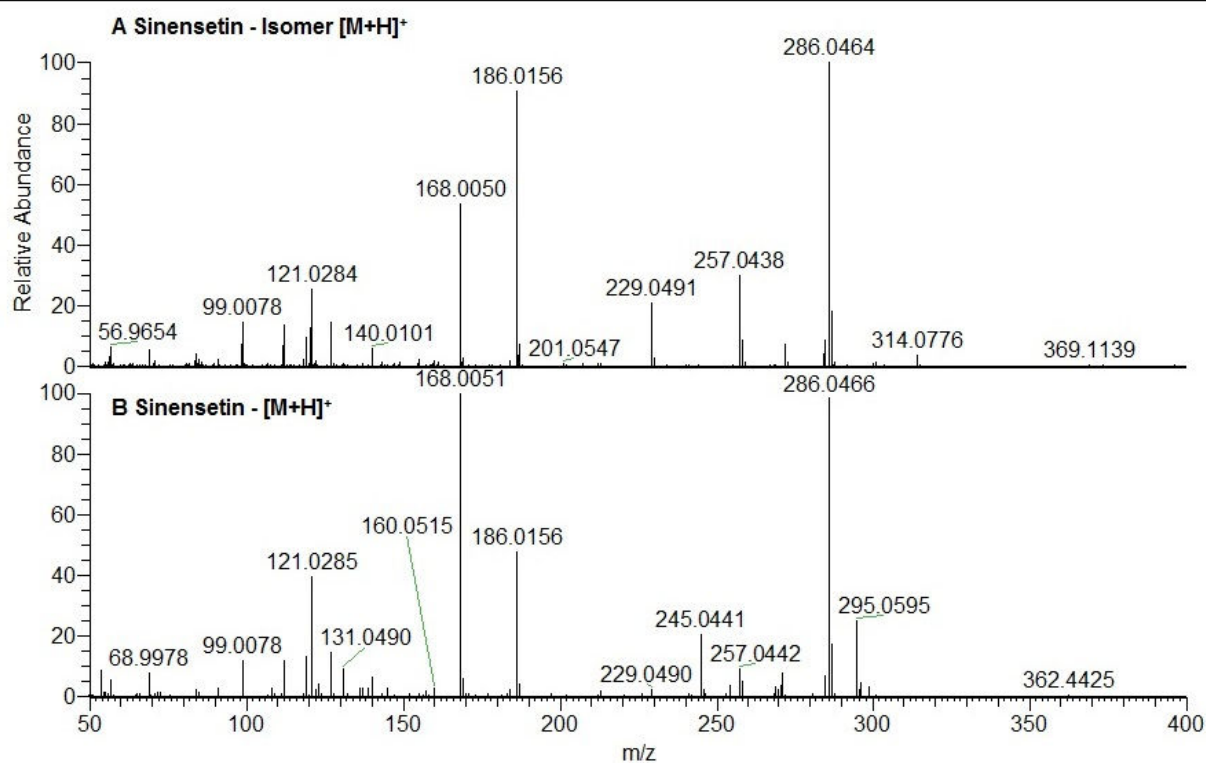


Figure S11. Mass spectrum of sinensetin and sinensetin isomer obtained by positive ion ESI-MS/MS.

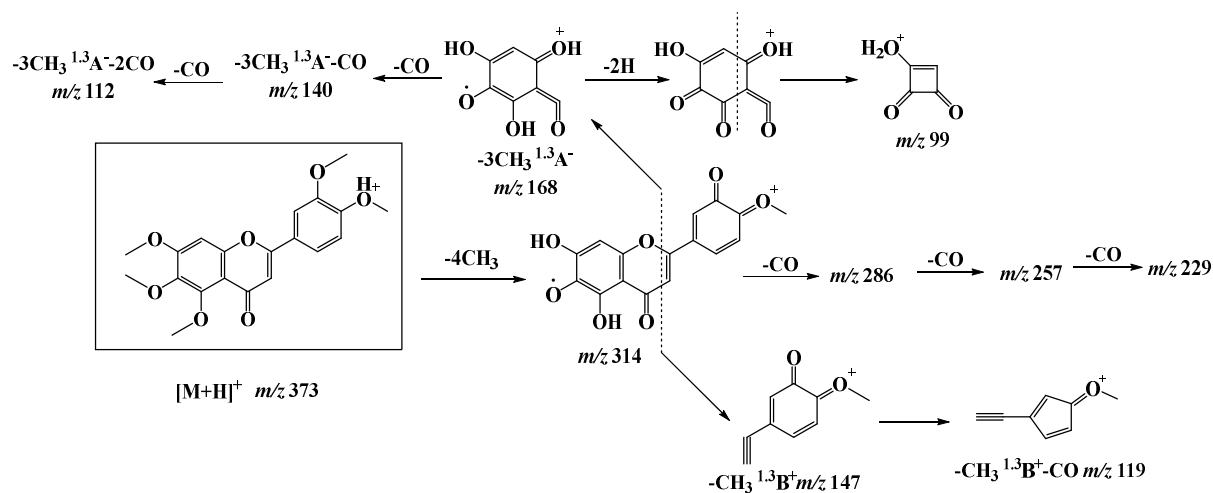


Figure S12. Proposed fragmentation of protonated sinensetin [M+H]⁺ at CE 60 eV.

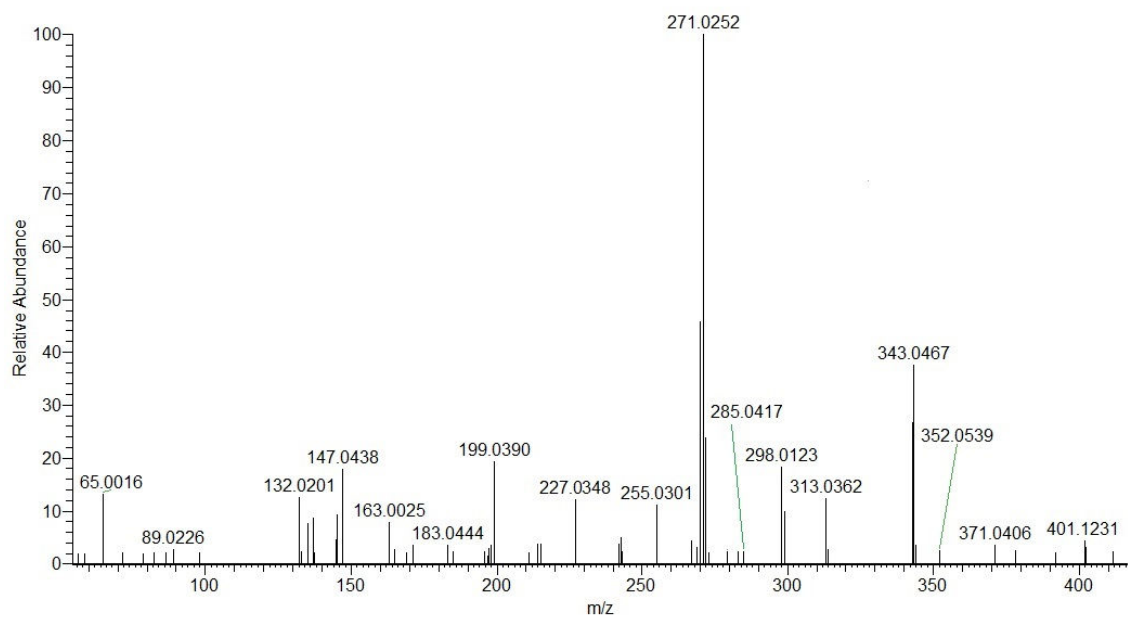


Figure S13. Mass spectrum of nobiletin obtained by negative ion ESI-MS/MS.

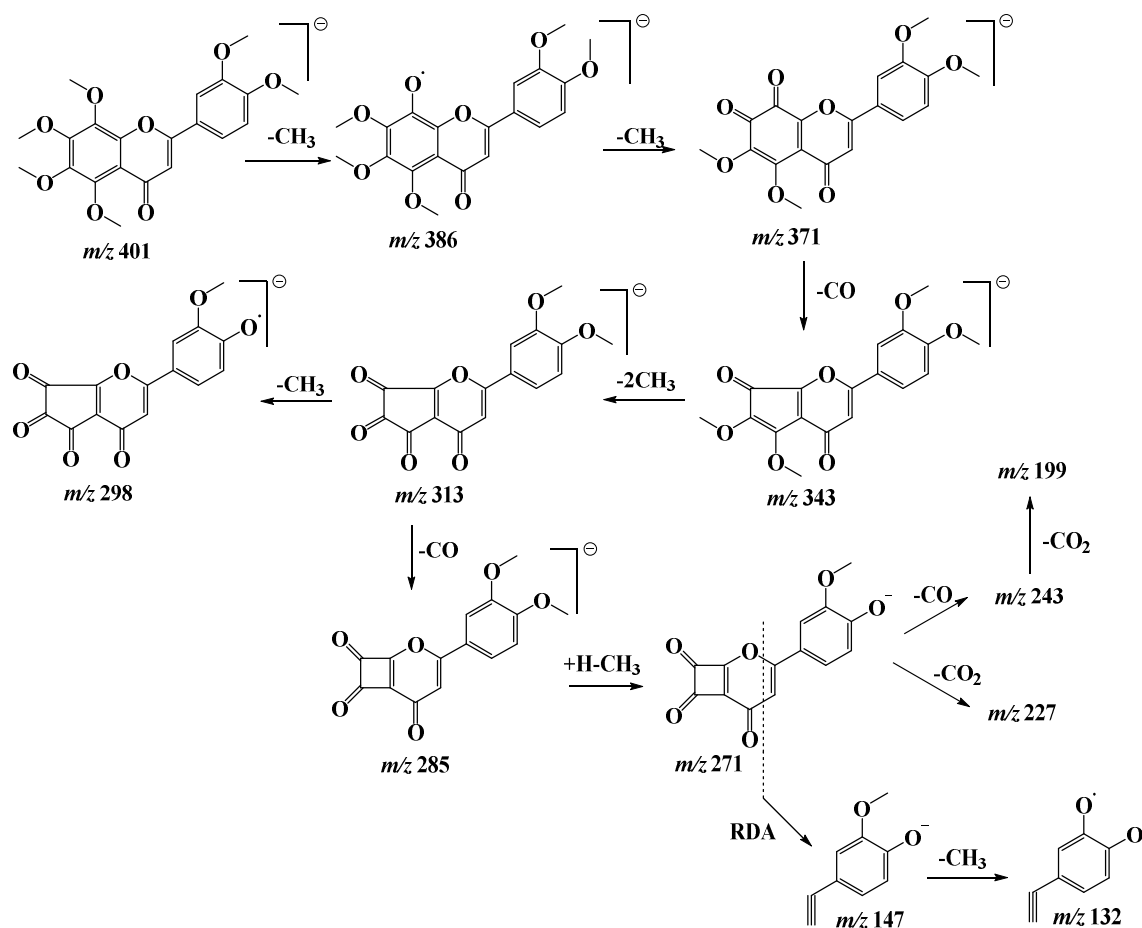


Figure S14. Proposed fragmentation of deprotonated nobiletin $[M-H]^-$ at CE 55 eV.

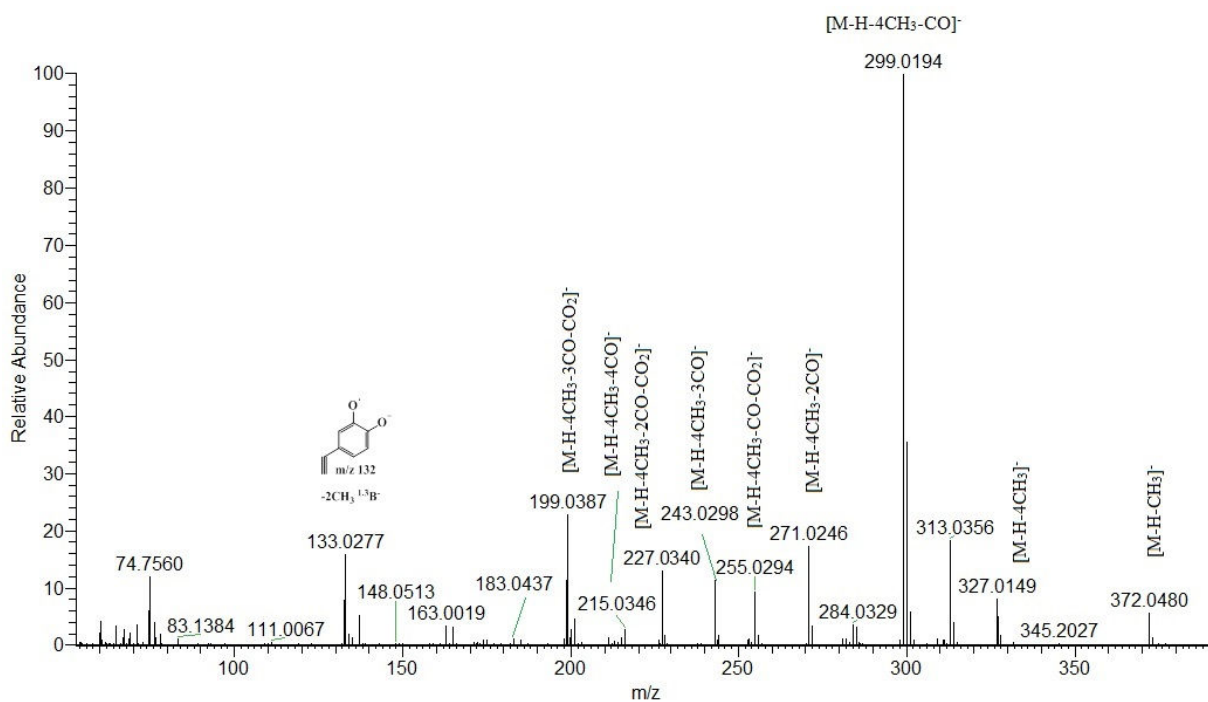


Figure S15. Mass spectrum of demethylnobiletin obtained by negative ion ESI-MS/MS.

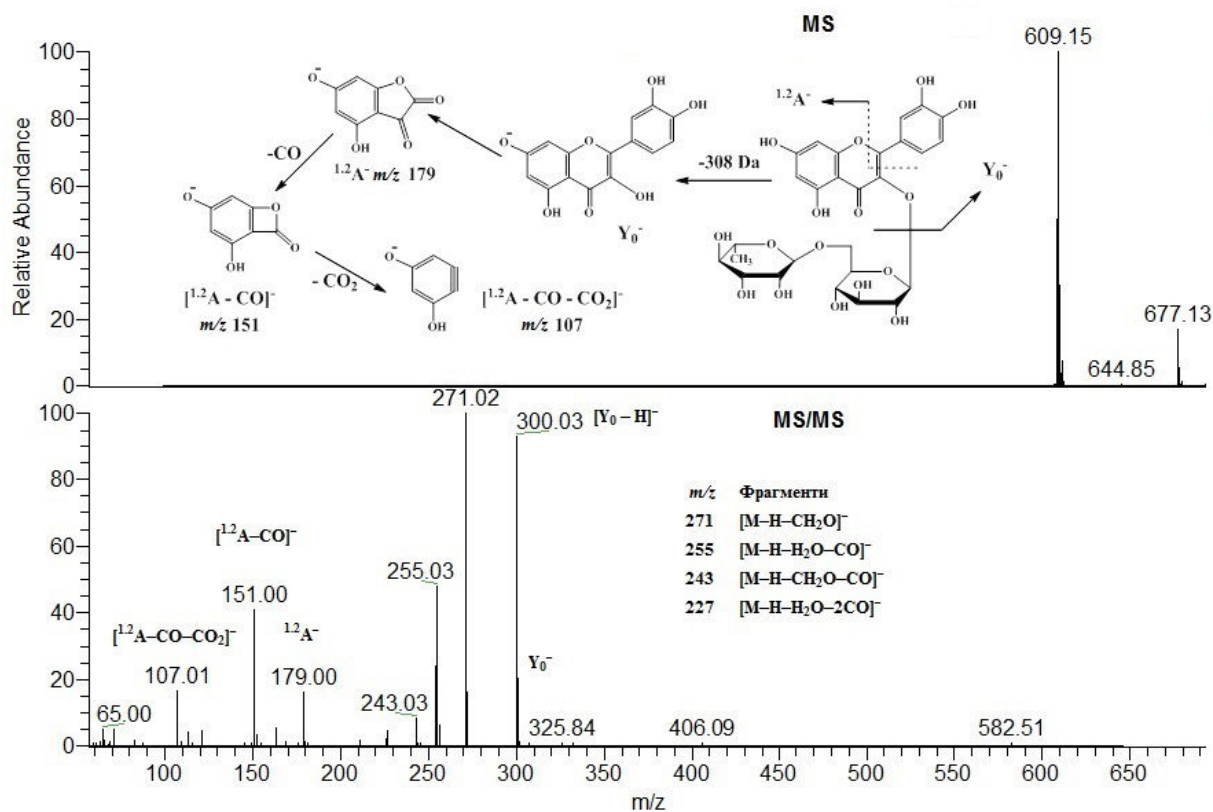


Figure S16. Mass spectrum of rutin obtained by negative ion ESI-MS/MS.

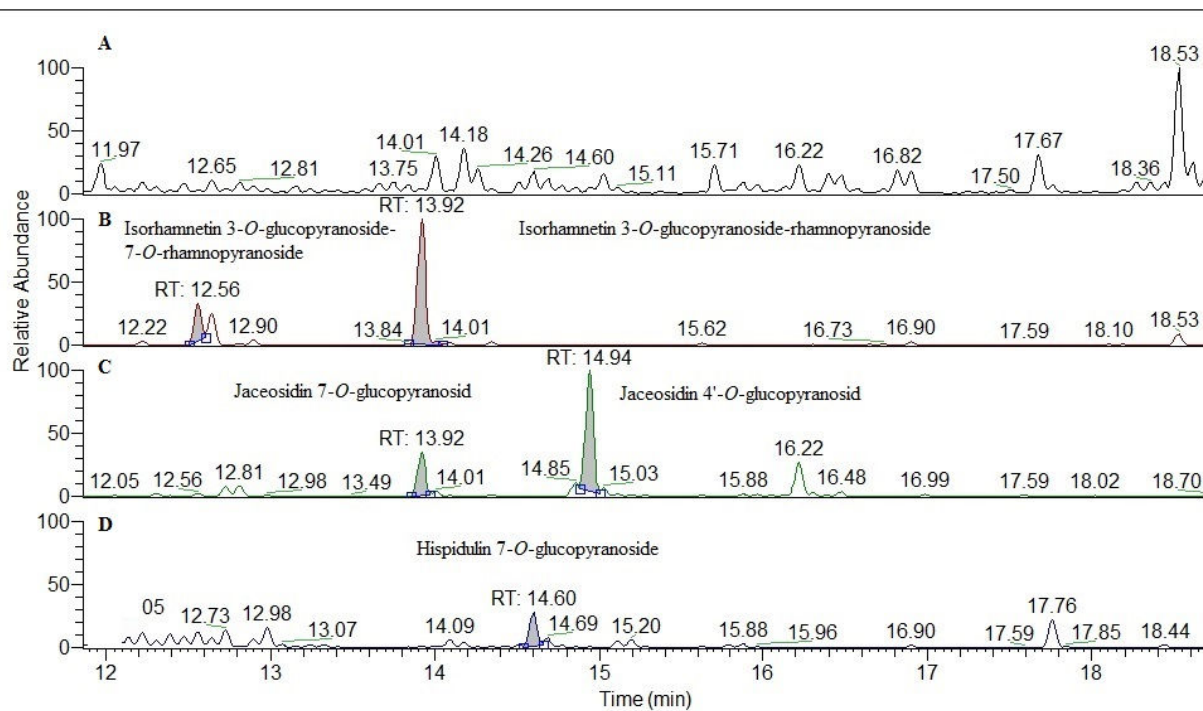


Figure S17. Total ion current (TIC) of flavonoids from *C. botrys* in EtOAc fraction (A); Profile of selected isorhamnetin glycosides (B); Profile of selected jaceosidin glycosides (C); Profile of selected hispidulin glycoside (D).