Nanoencapsulation of *Rhodiola rosea* extract into 2-Hydroxypropyl-β-Cyclodextrin: Enhanced Antibacterial and Anticancer Activities

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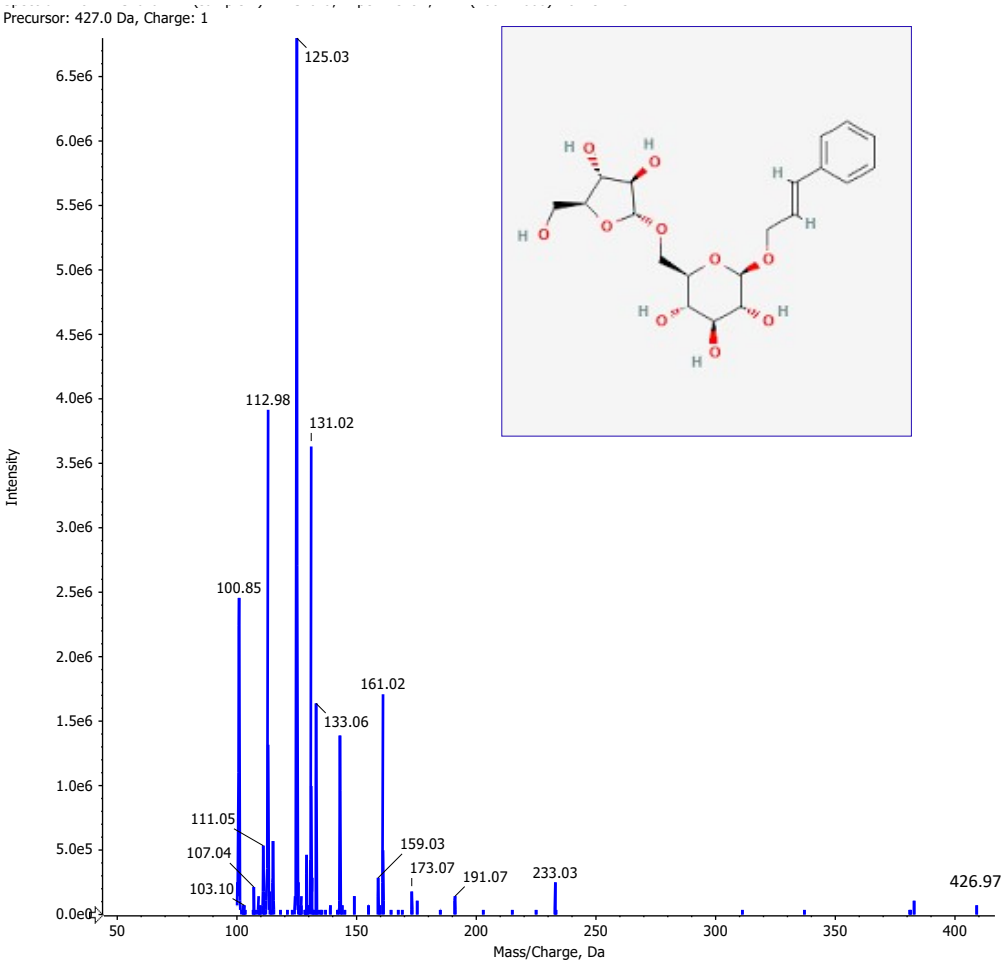
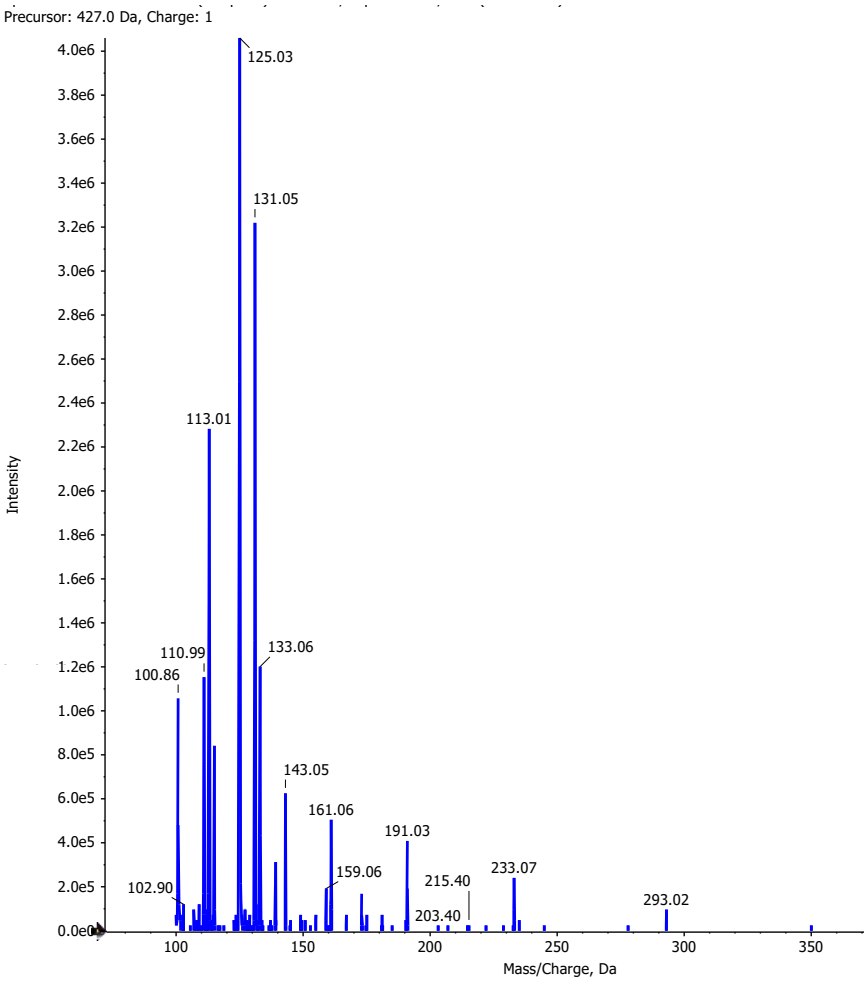


S1. Mass spectrum of Rosarin ([M−H]$^-$, *m/z* 426.97).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Intensity
Mass/Charge, Da
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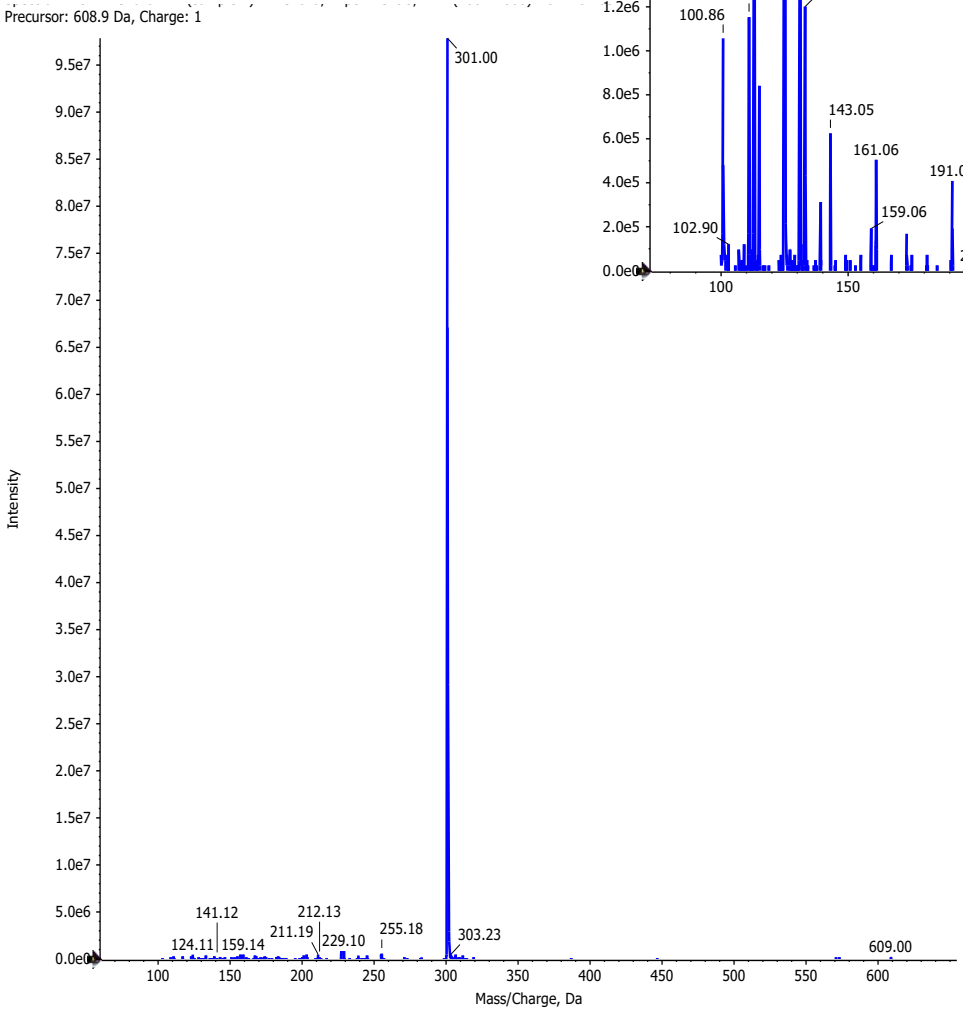
131.05
113.01
133.06
110.99
100.86
143.05
161.06
191.03
159.06
233.07
215.40
293.02
102.90
203.40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Intensity
Mass/Charge, Da
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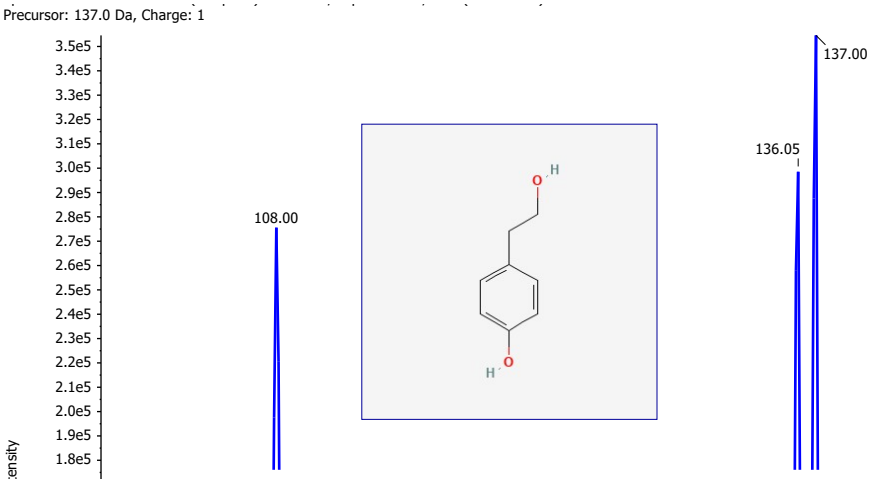
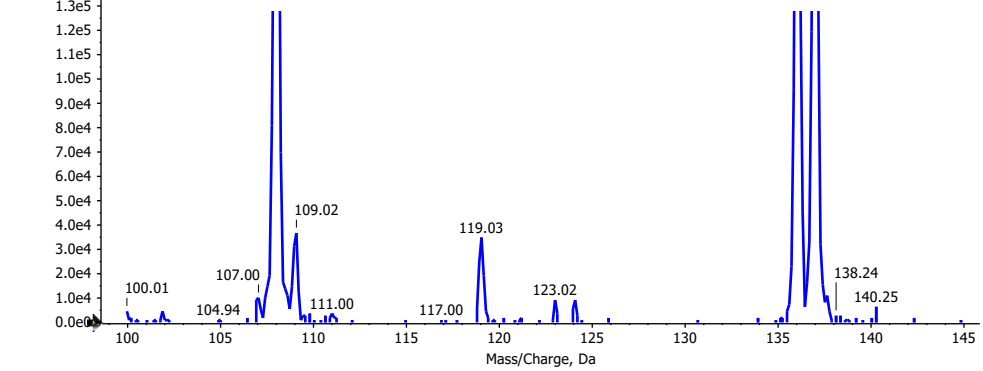
124.11
159.14
211.19
229.10
255.18
609.00

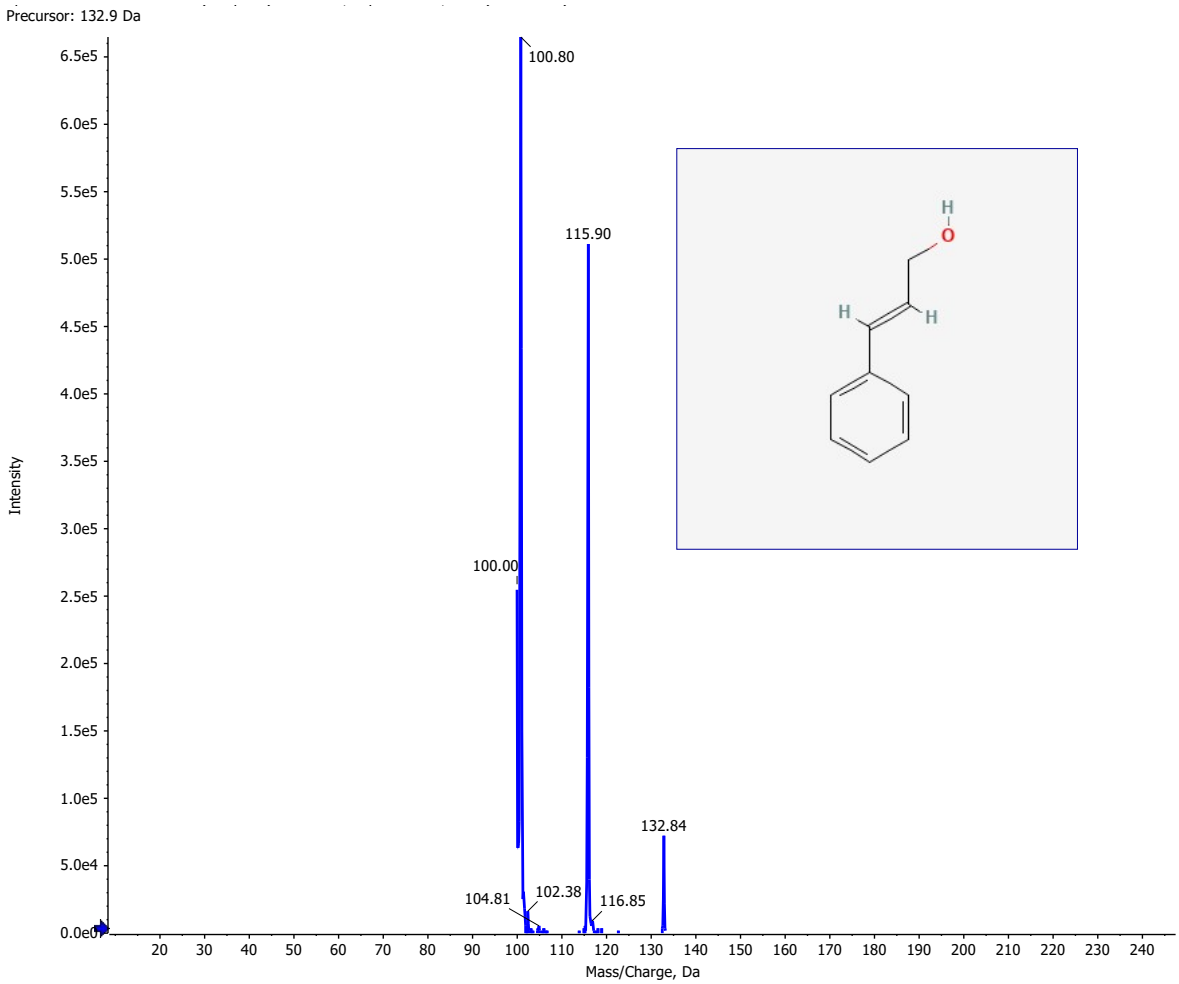
S2.



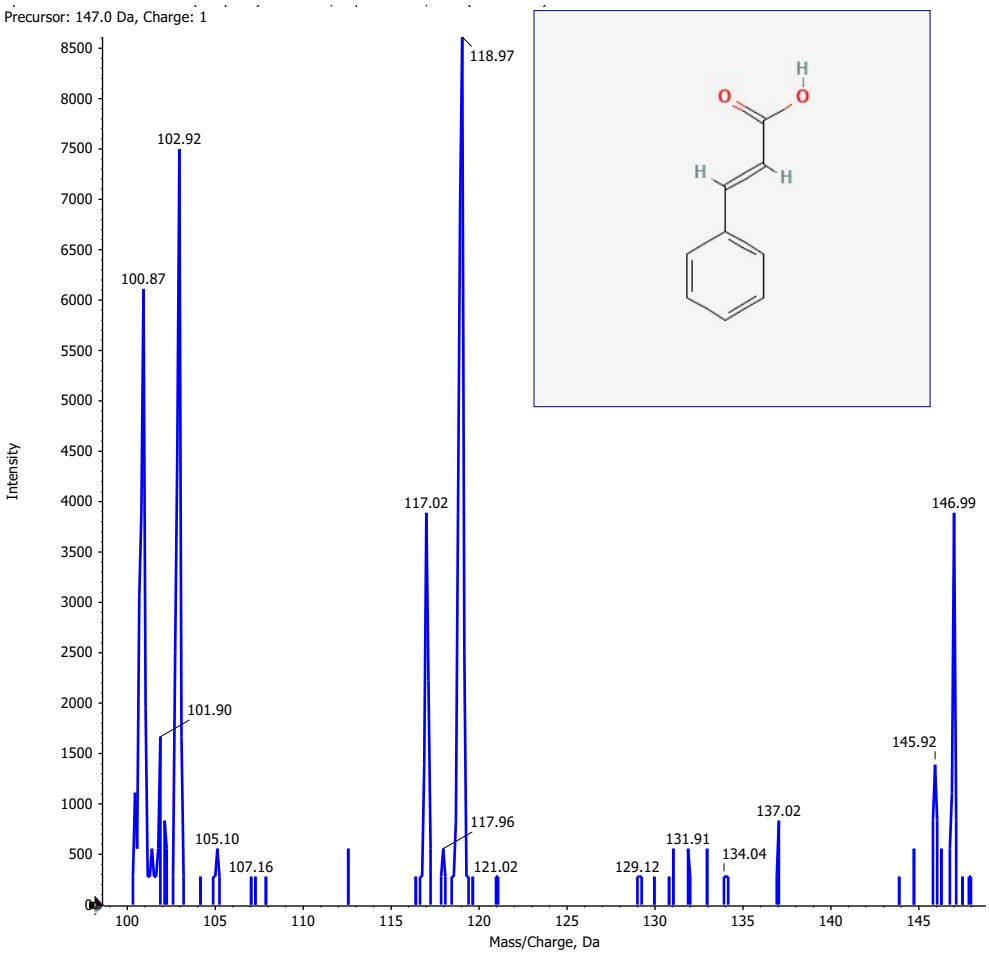
S3. Mass spectrum of Rutin ([M−H]⁻, *m/z* 608.9).



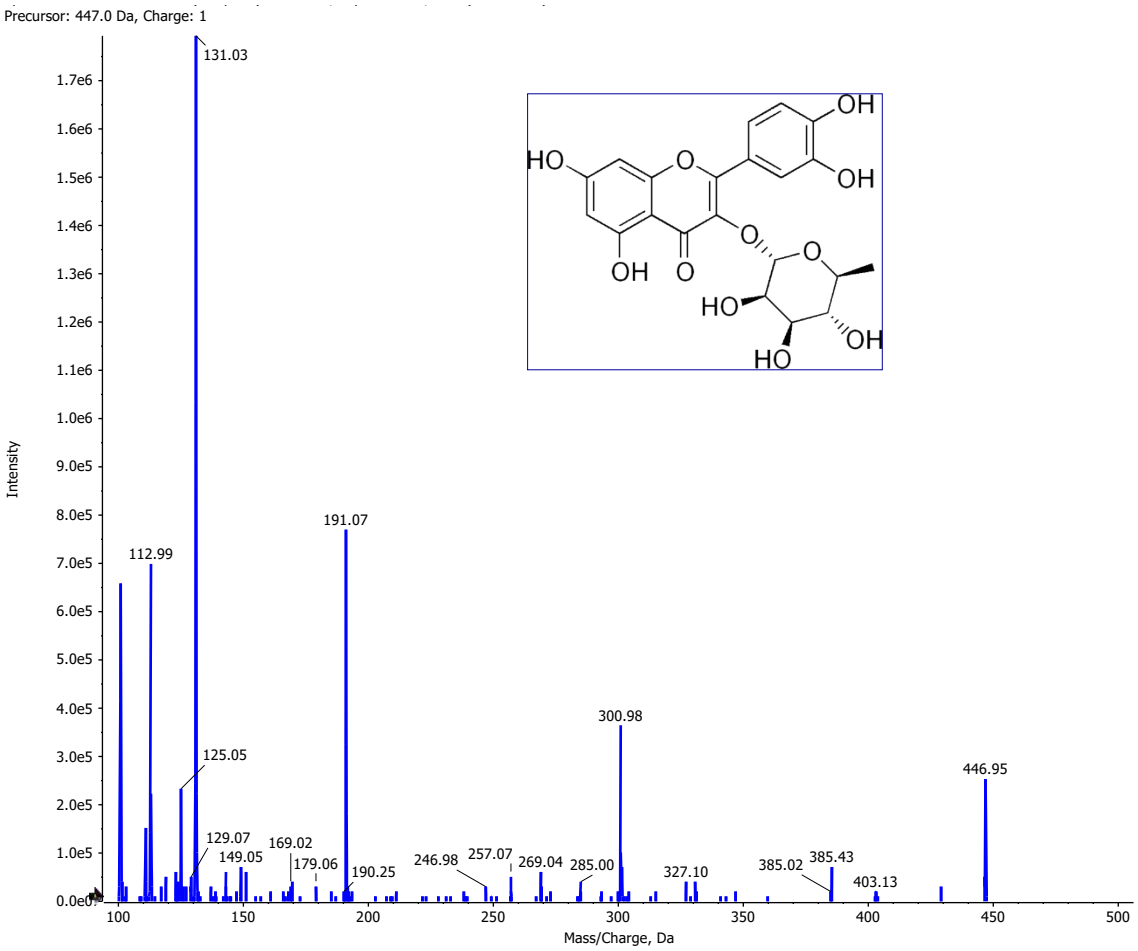
S4. Mass spectrum of *p*-Tyrosol ([M−H]⁻, *m/z* 137).



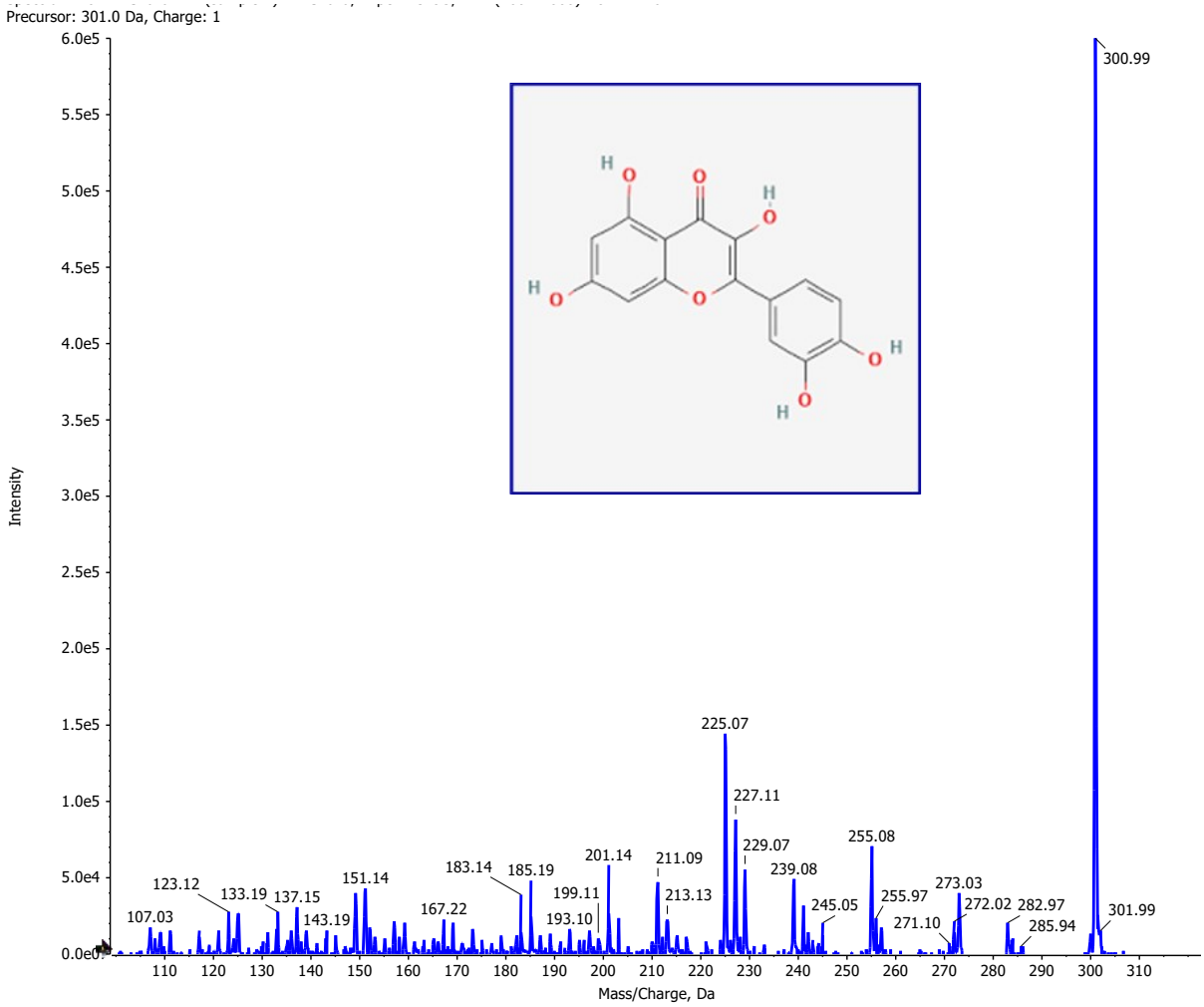
S5. Mass spectrum of Trans-cinnamic alcohol ([M−H]$^-$, *m/z* 132.84).



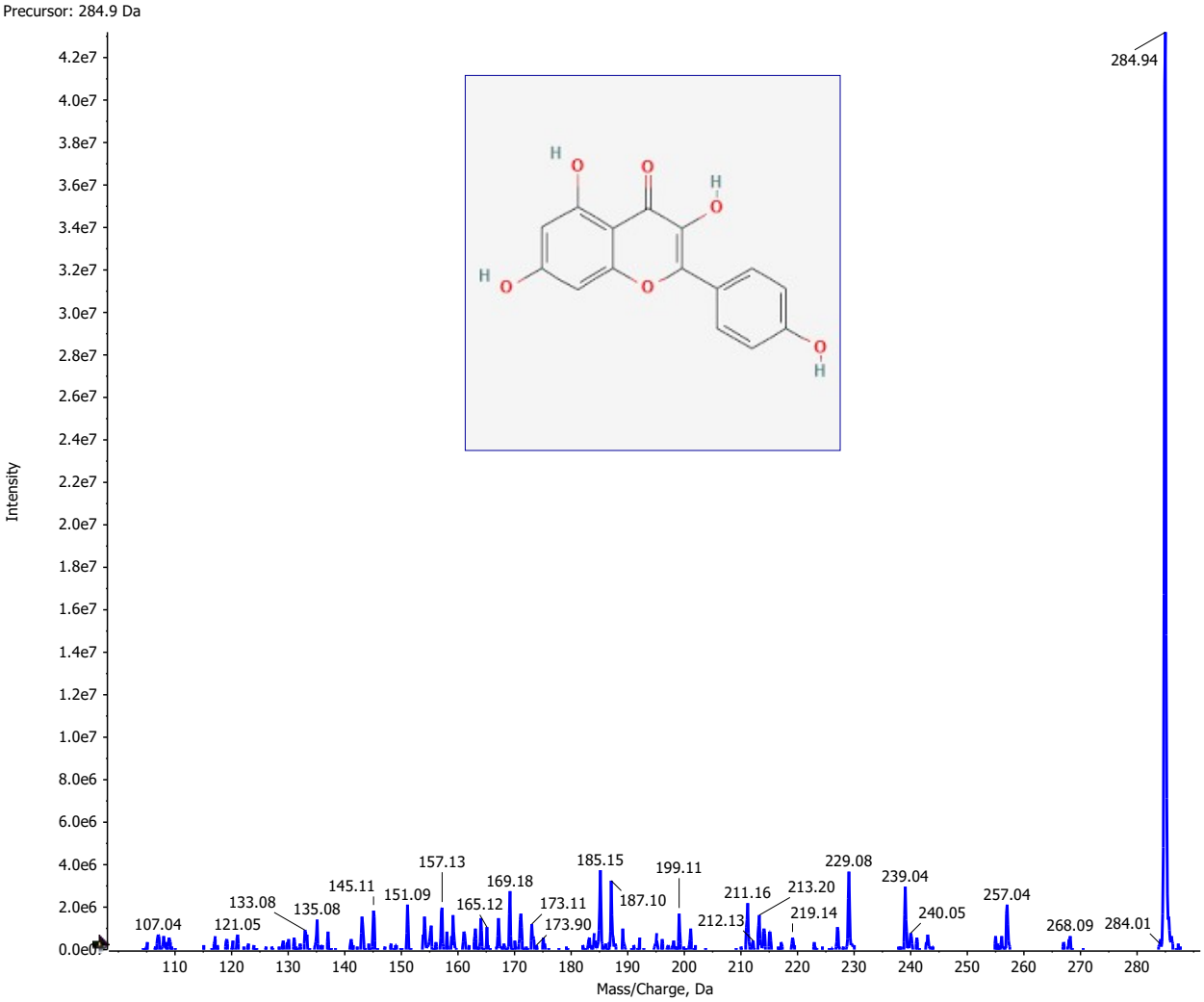
S6. Mass spectrum of Cinnamic acid ([M−H]$^-$, *m/z* 147.02).



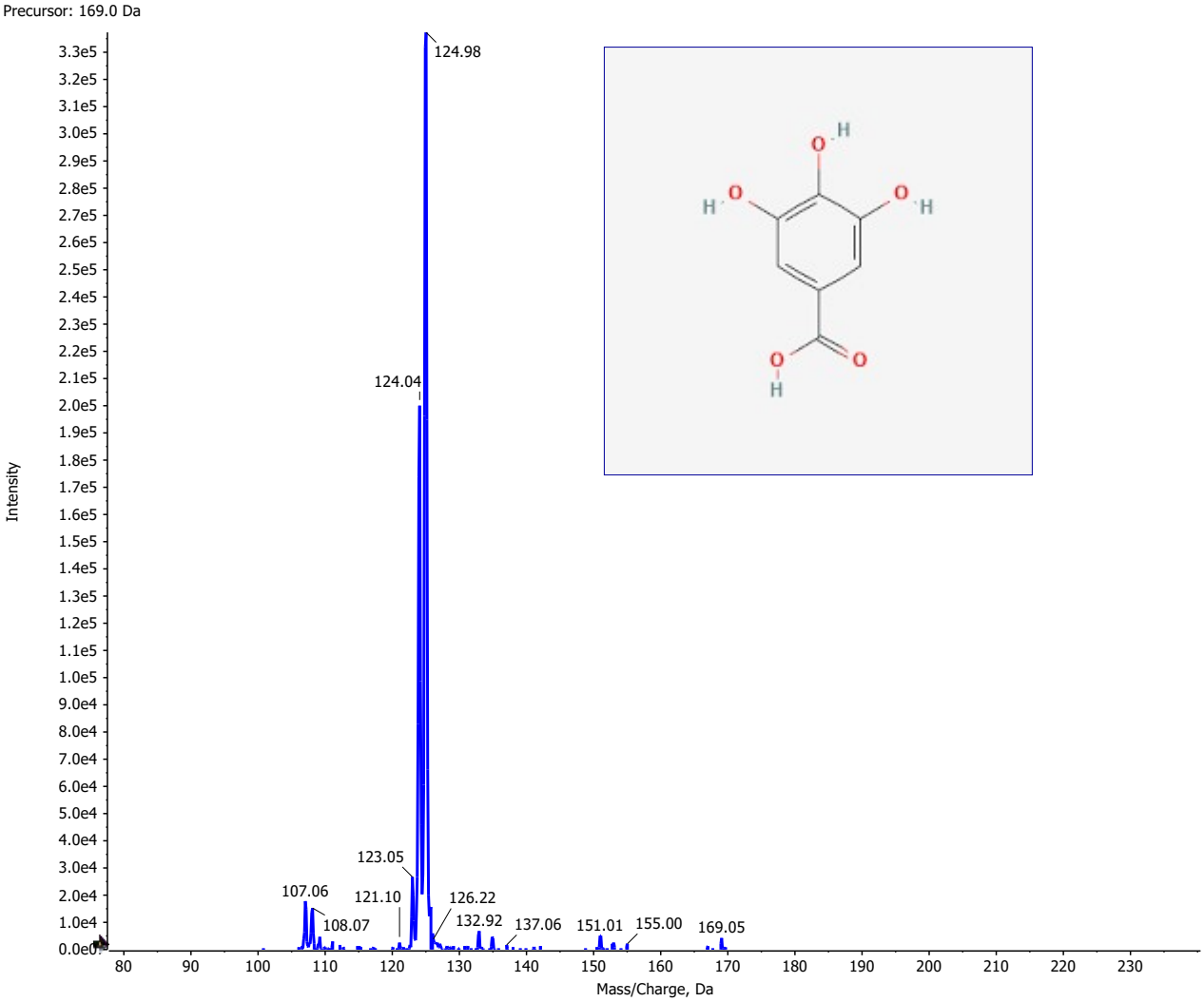
S7. Mass spectrum of Quercitrin ([M−H]$^-$, *m/z* 446.95).



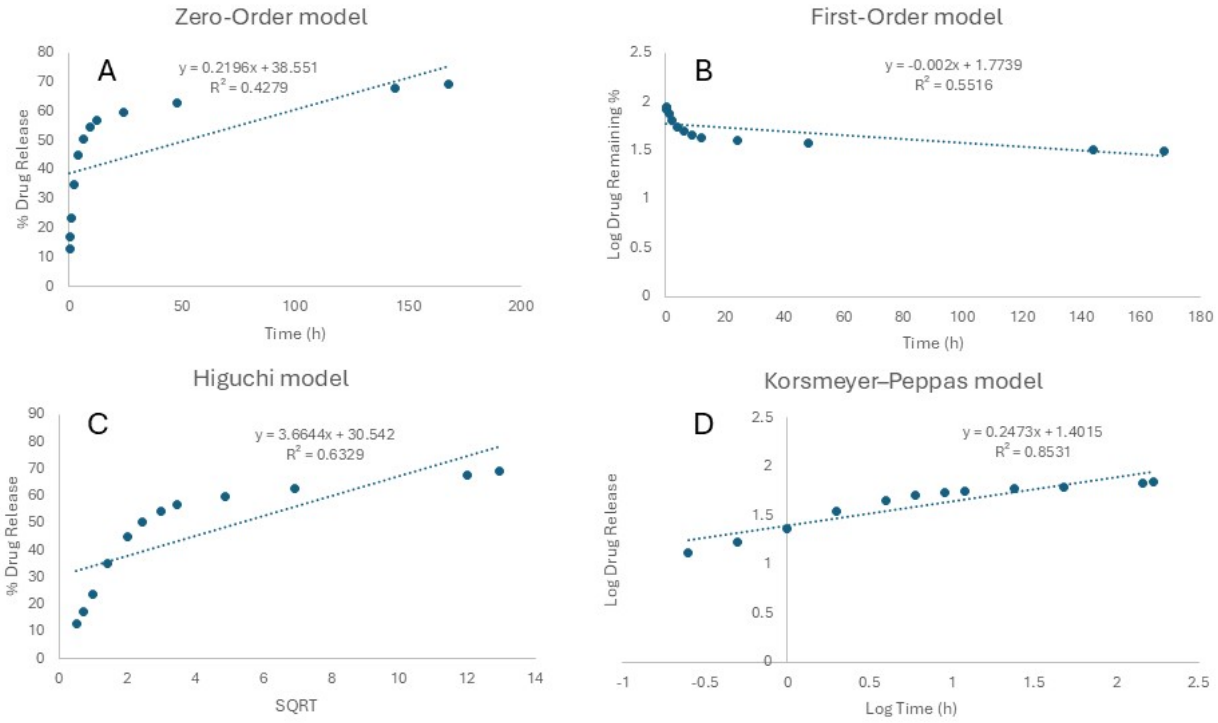
S8. Mass spectrum of Quercetin ([M−H]$^-$, *m/z* 300.99).



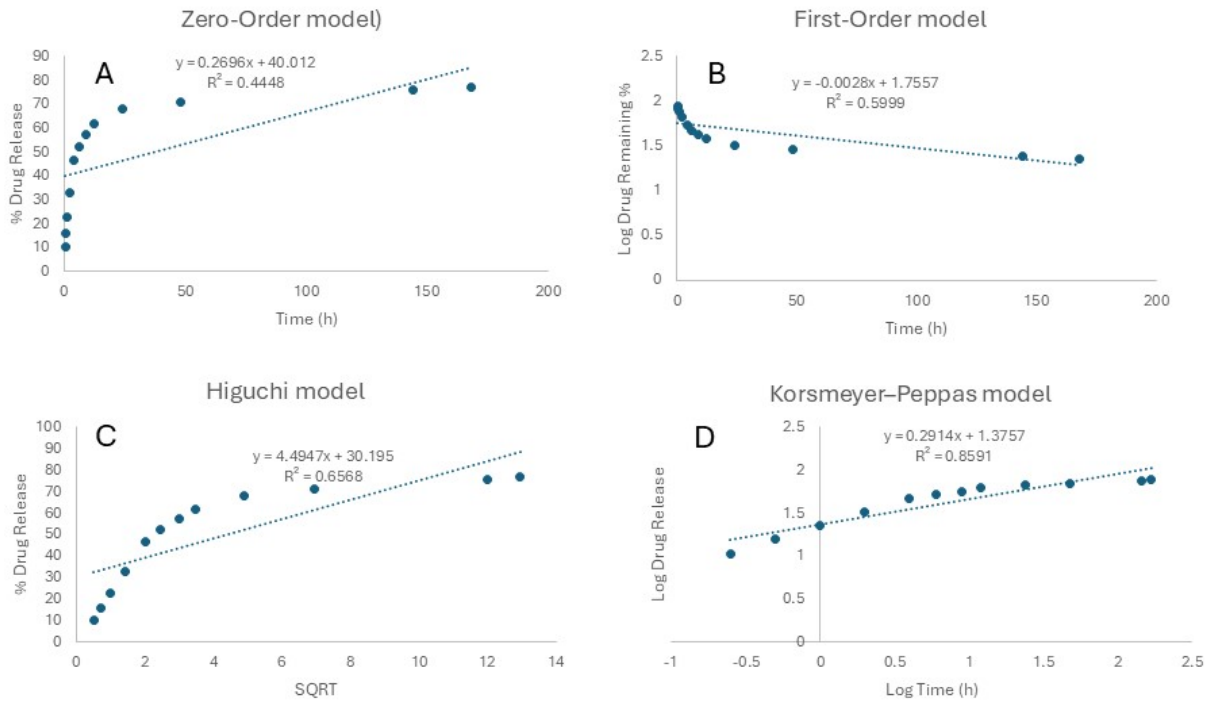
S9. Mass spectrum of Kaempferol ([M−H]$^{-}$, *m/z* 284.98).



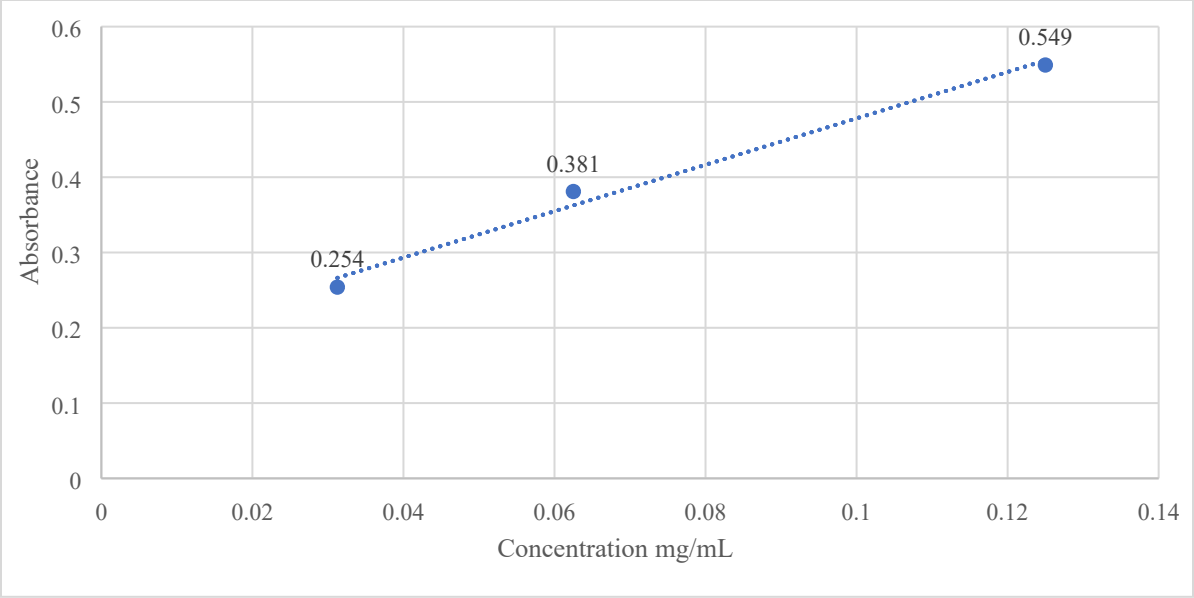
S10. Mass spectrum of Gallic acid ([M−H]$^-$, *m/z* 169.05).



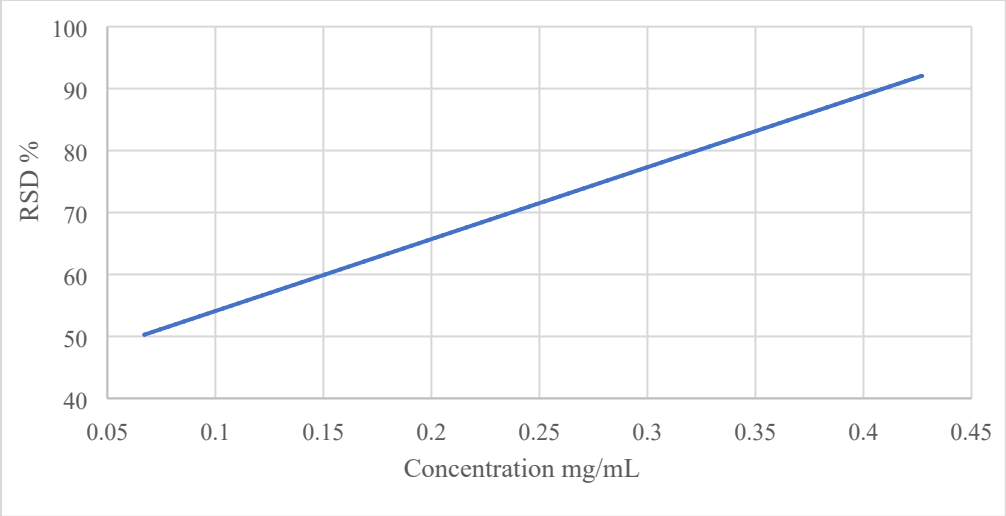
S11. Release kinetics model fitting curves of **RRME-ICs** at pH 7.4: (A) zero-order model; (B) first-order kinetics model; (C) Higuchi model; and (D) Korsmeyer–Peppas model.



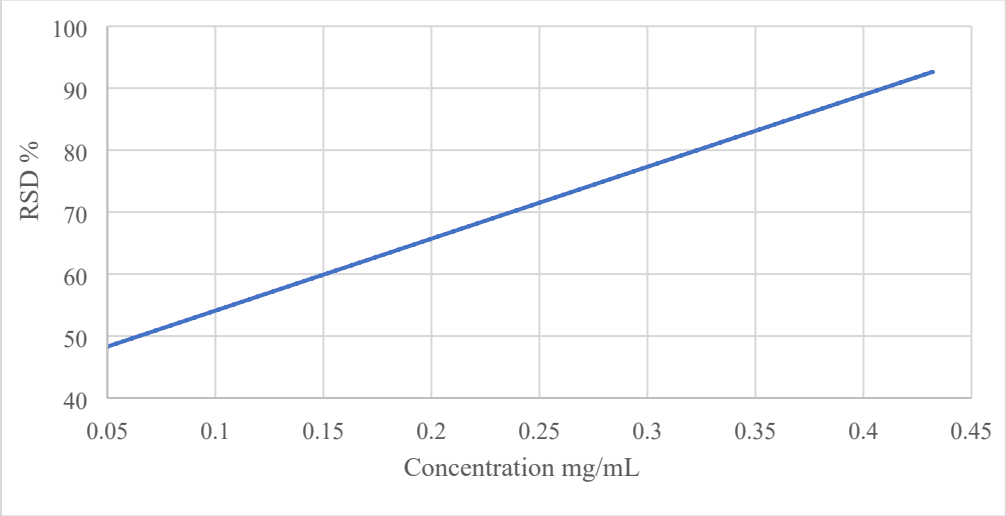
S12. The release kinetics model fitting curves of **RRME-ICs** at pH 5.5: (A) zero-order release kinetics; (B) first-order kinetics model; (C) Higuchi model; and (D) Korsmeyer–Peppas model.



S13. Standard curve for measuring the total phenolic content of the extract using the Folin-Ciocalteu assay.



S14. Radical Scavenging assay for RRME.



S15. Radical Scavenging assay for RRME-ICs.