

Supplementary data

Characterization of bioactive metabolites and antioxidant activities in solid and liquid fractions of fresh Duckweed (*Wolffia globosa*) subjected to different cell wall rupture methods

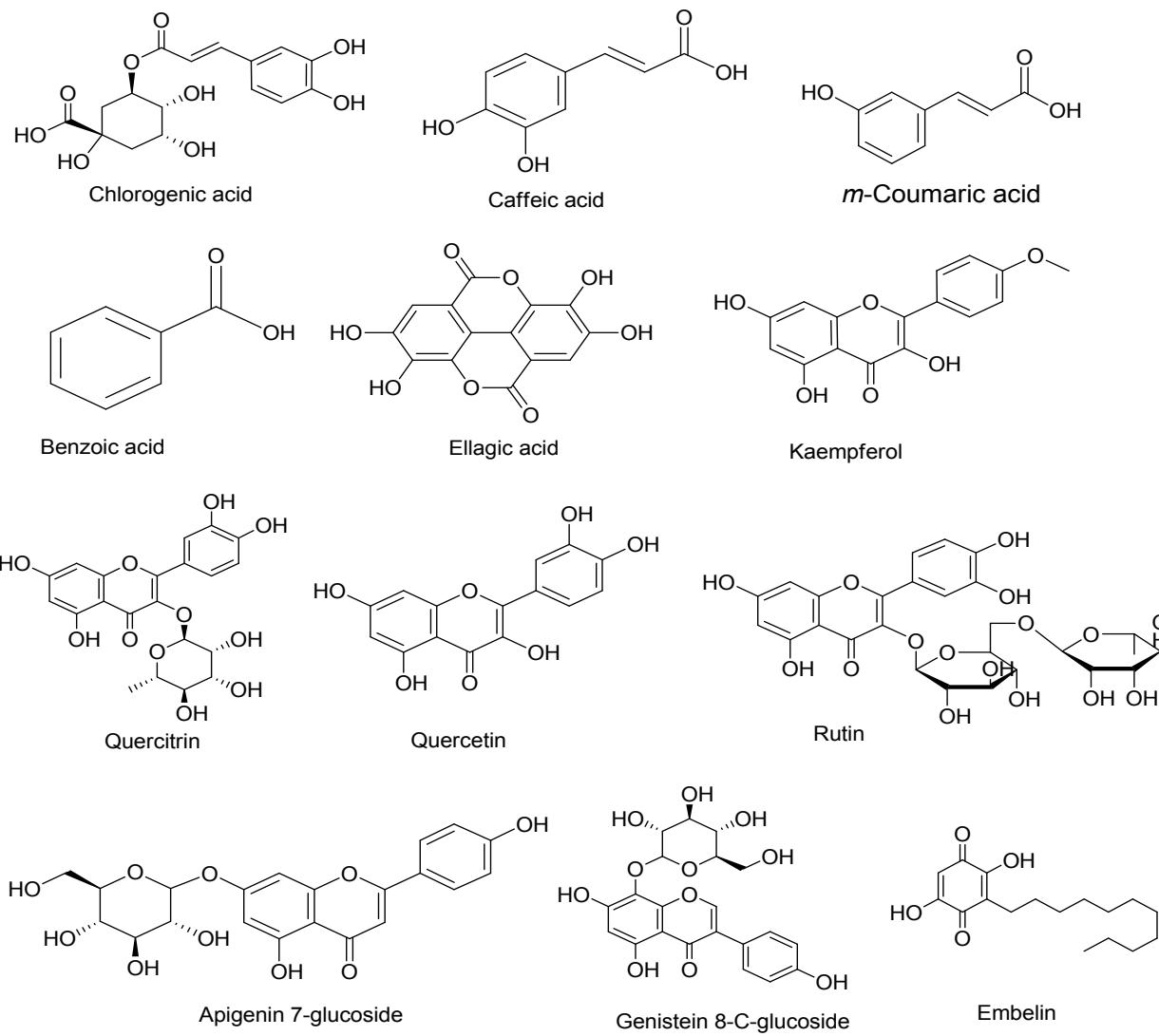
Nitesh Kumar Yadav¹, Arun Bhai Patel^{1*}, Sourabh Debbarma², M. Bhargavi Priyadarshini³, Himanshu Priyadarshi⁴

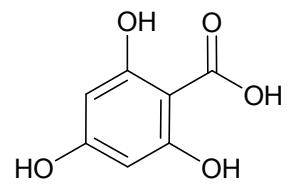
1. Department of Aquaculture, College of Fisheries, Central Agriculture University (Imphal) Lembucherra, Tripura (West) 799210
2. Department of Aquatic Health & Environment, College of Fisheries, Central Agriculture University (Imphal) Lembucherra, Tripura (West) 799210
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4. Department of Fish Genetics and Reproduction, College of Fisheries, Central Agriculture University (Imphal) Lembucherra, Tripura (West) 799210

***Corresponding author:**

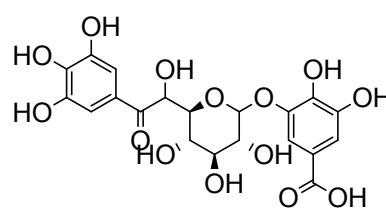
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Figure S1. Chemical structures of tentatively identified phenolic compounds in wolffia filtrate and residue samples using LC–ESI–QTOF–MS/MS

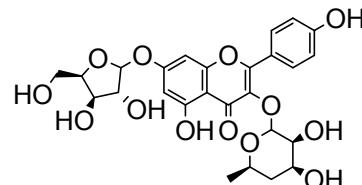




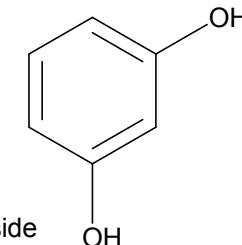
2,4,6-Trihydroxybenzoic acid



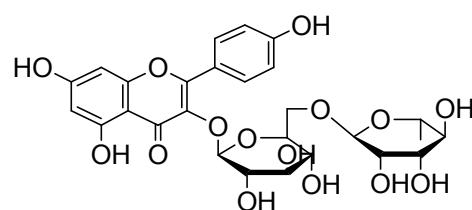
Gallic acid 3-O-(6-galloylglucoside)



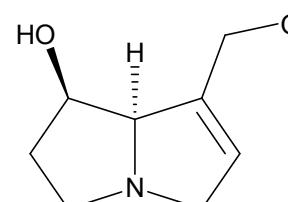
Kaempferol 3-rhamnoside 7-xyloside



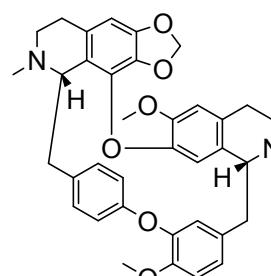
Resorcinol



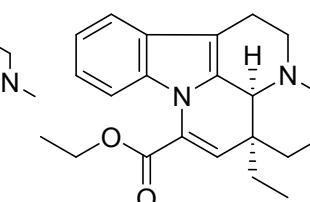
Nicotiflorin



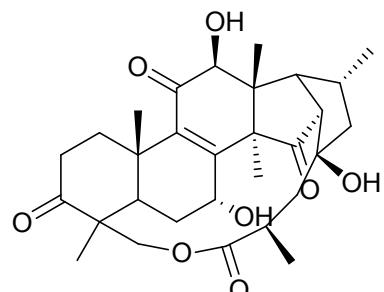
Retronecine



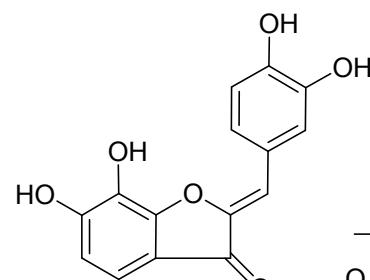
Cepharanthine



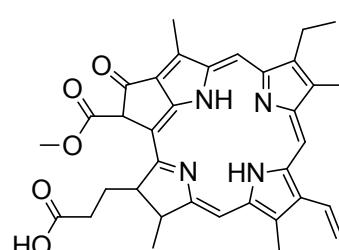
Vinpocetine



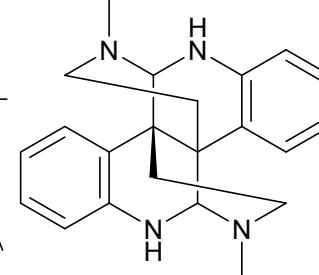
Ganosporelactone A



Maritimetin



Pheophorbide a



Calycanthine

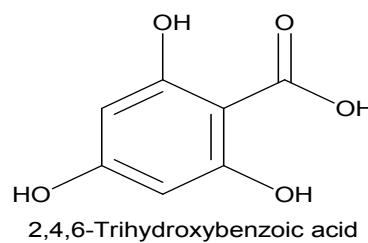
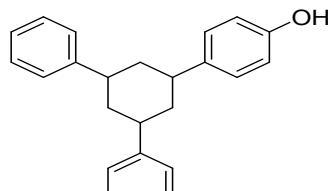
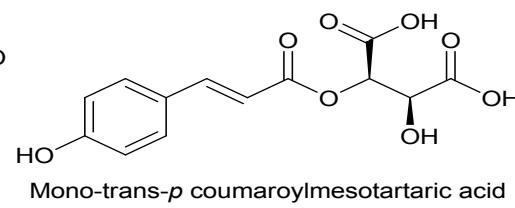
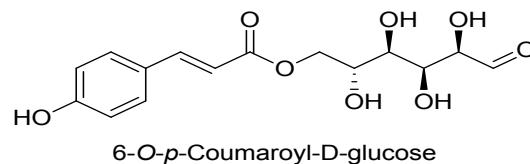
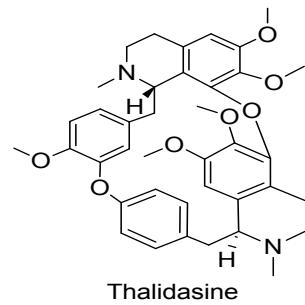
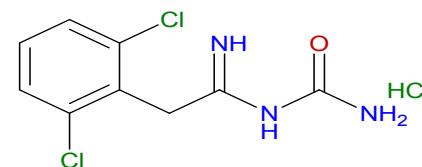
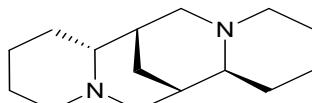
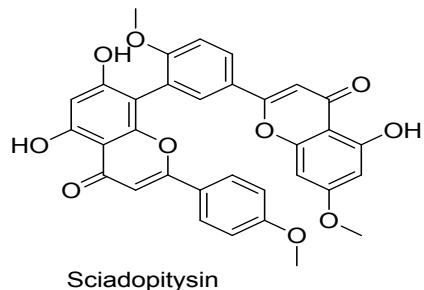
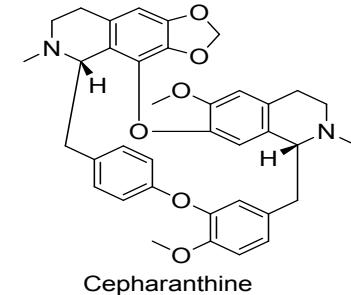
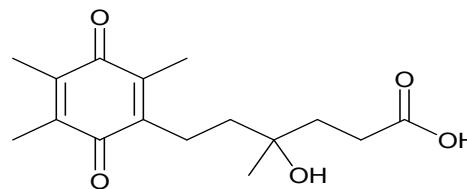
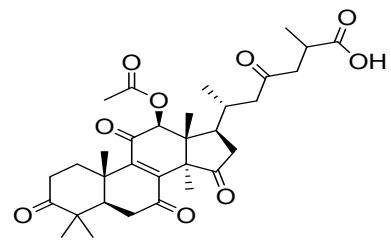
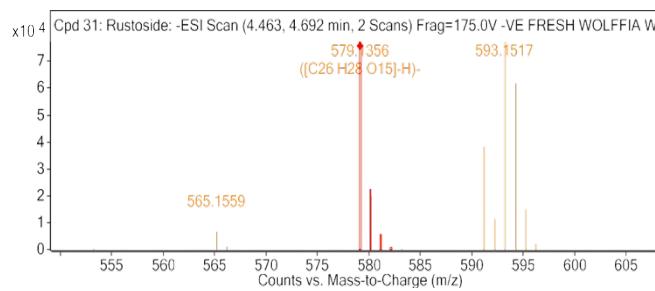
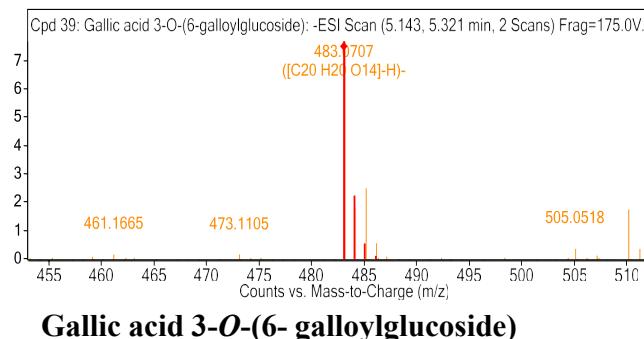
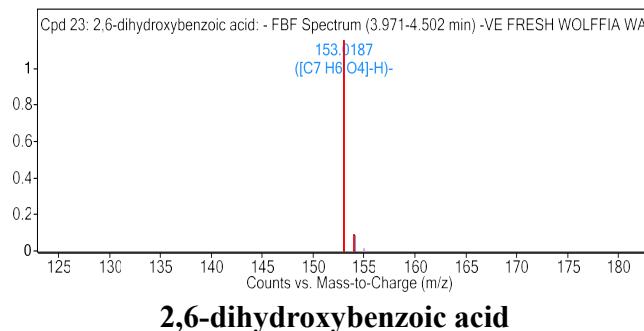
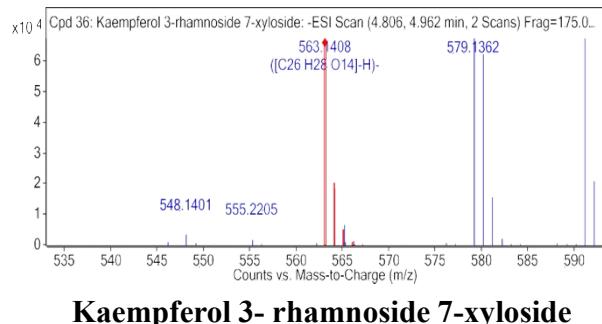
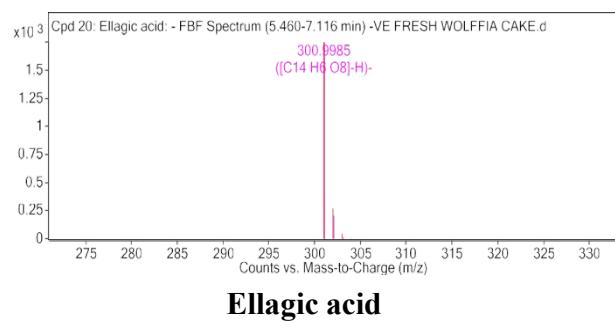
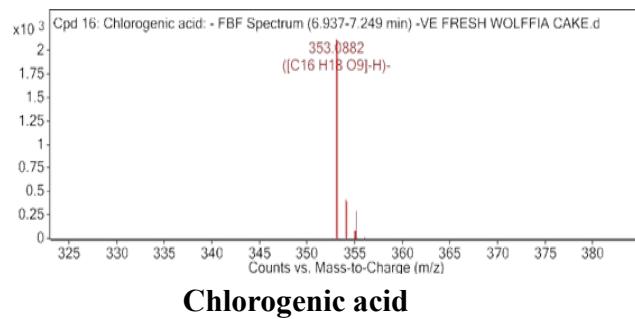
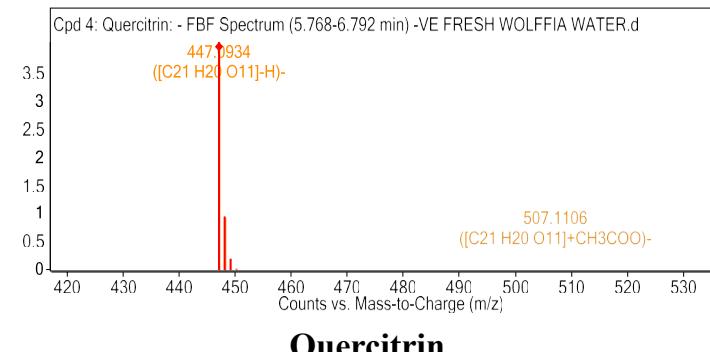
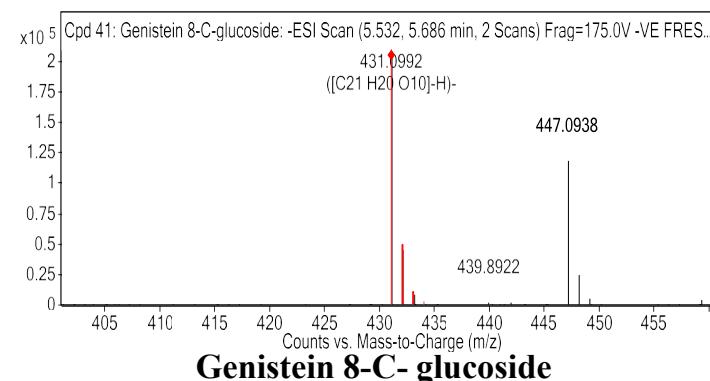
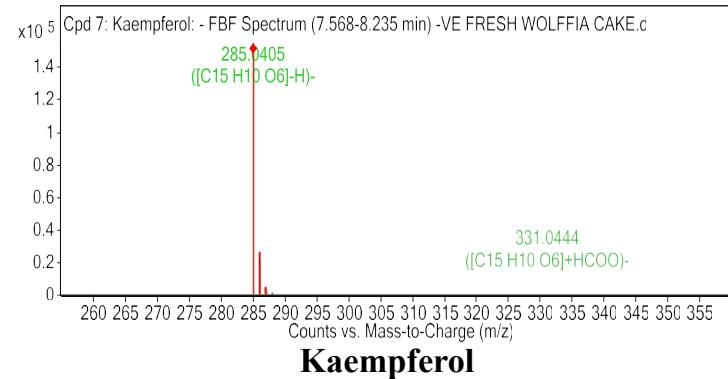
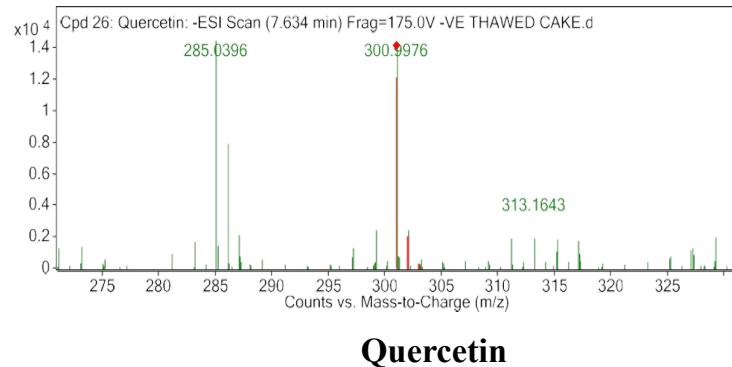
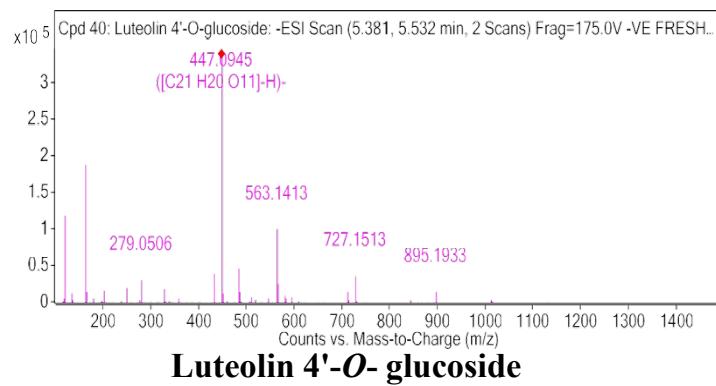
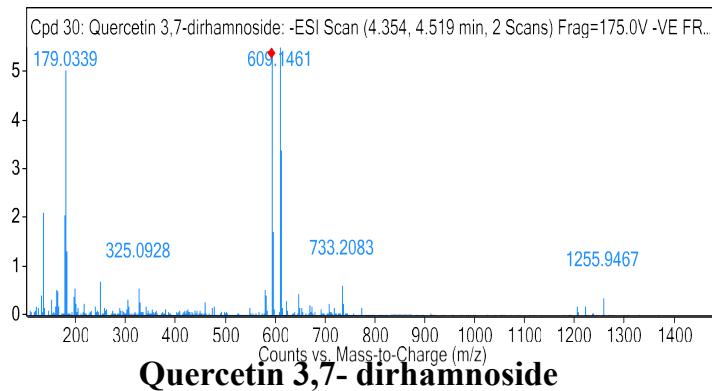
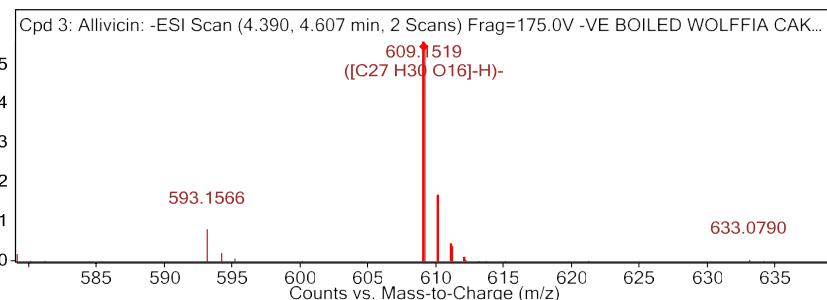
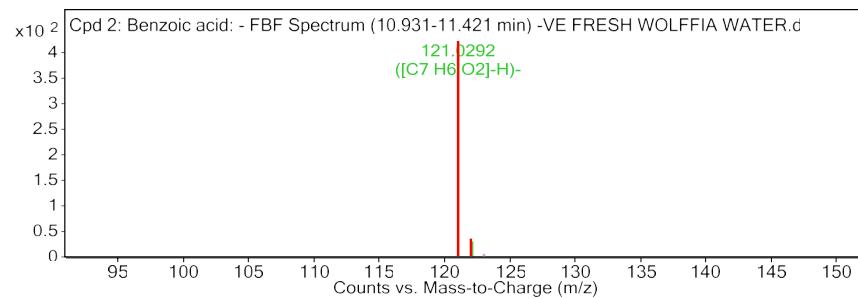
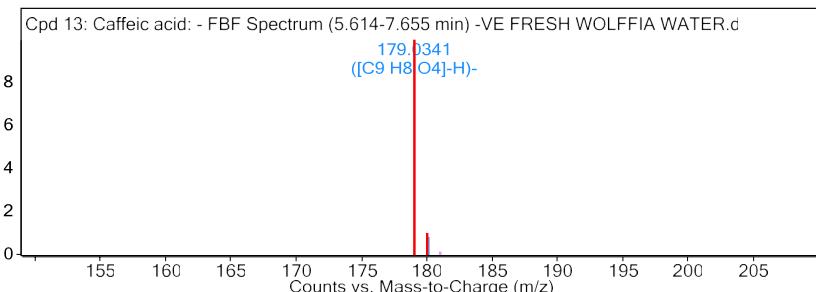
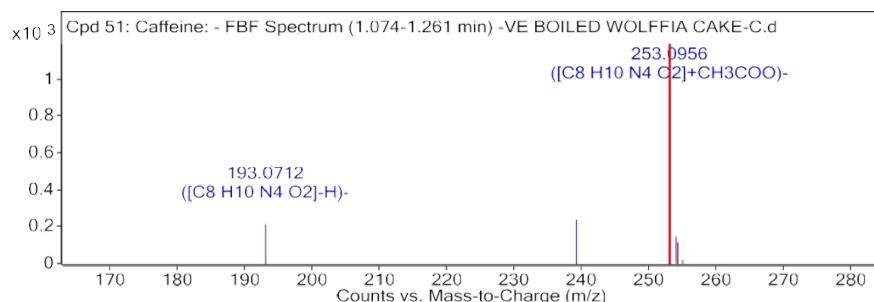
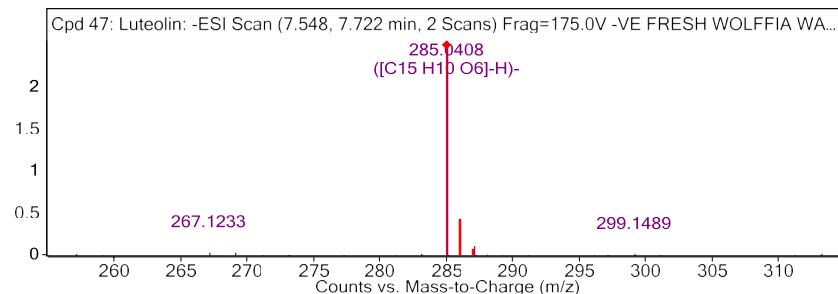
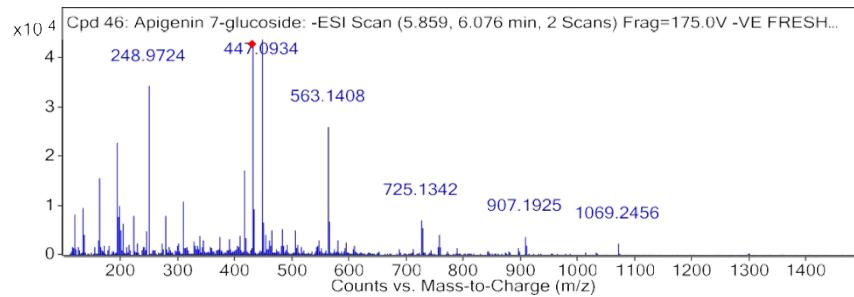
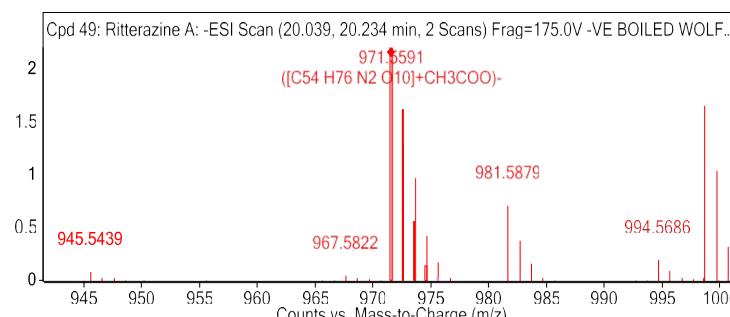
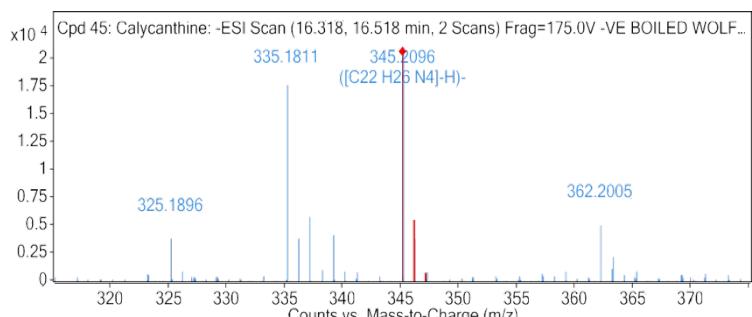
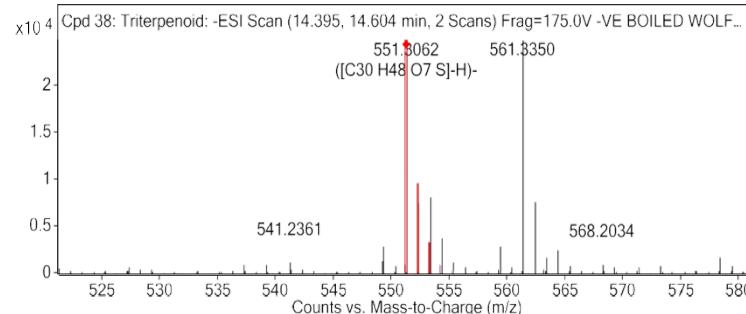
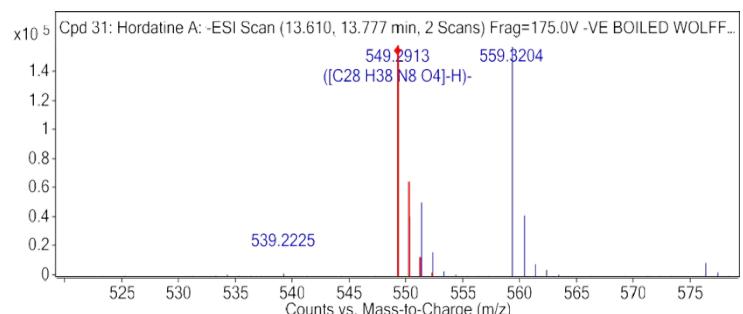
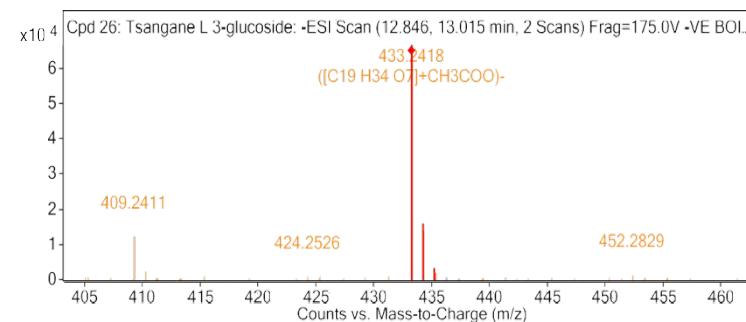
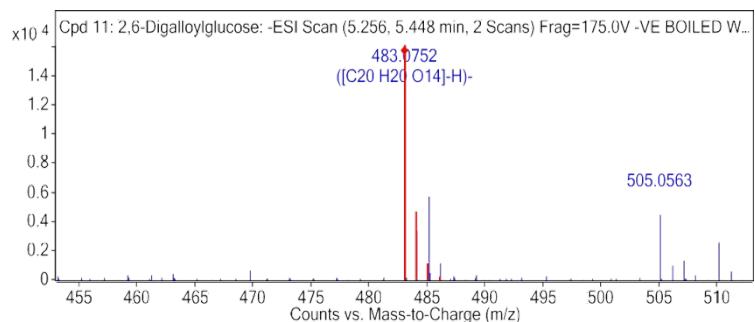


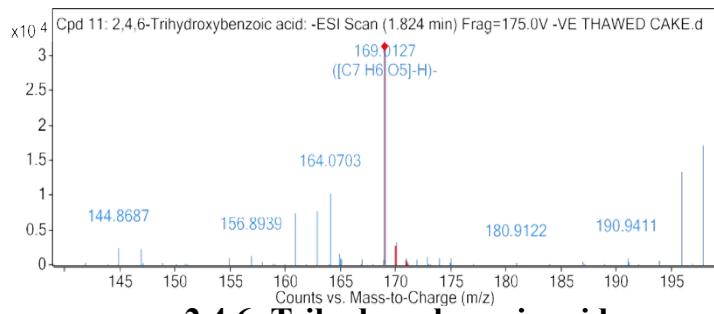
Figure S2. MS/MS data of phenolic compounds tentatively identified in wolffia samples using LC–ESI–QTOF–MS/MS



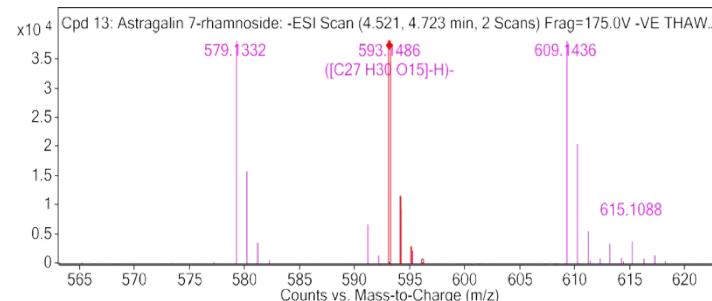




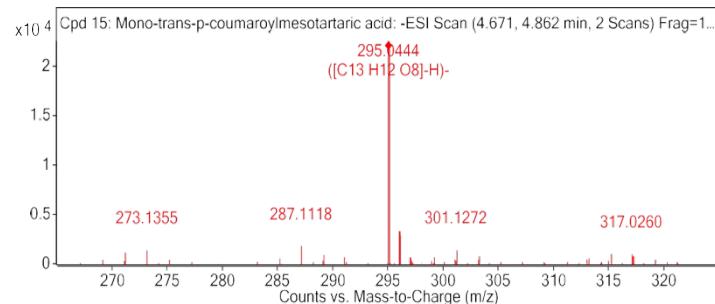




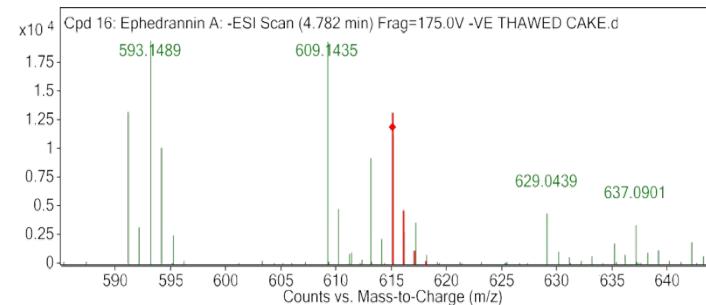
2,4,6- Trihydroxybenzoic acid



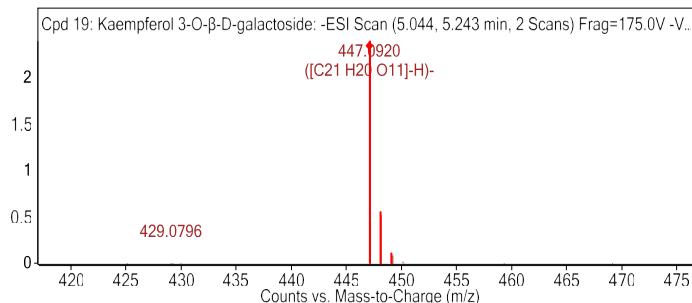
Astragalin 7- rhamnoside



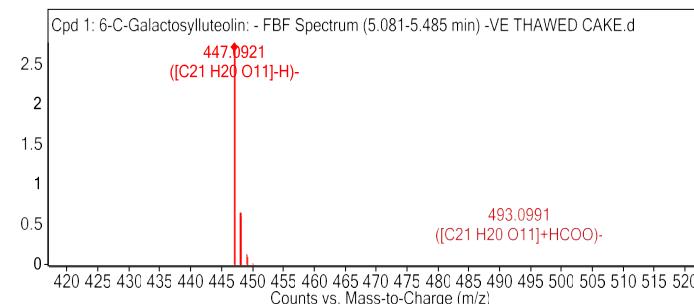
Mono-trans-p-coumaroylmesotartaric acid



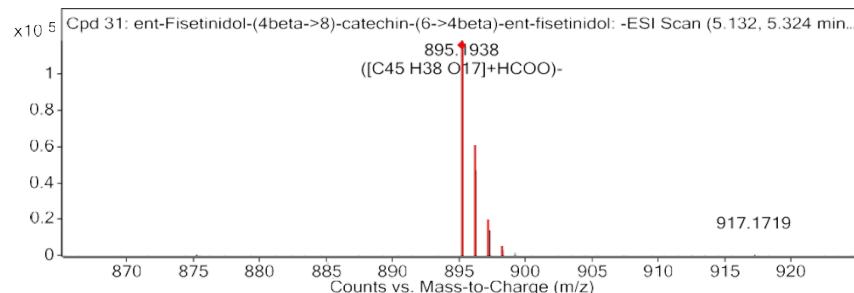
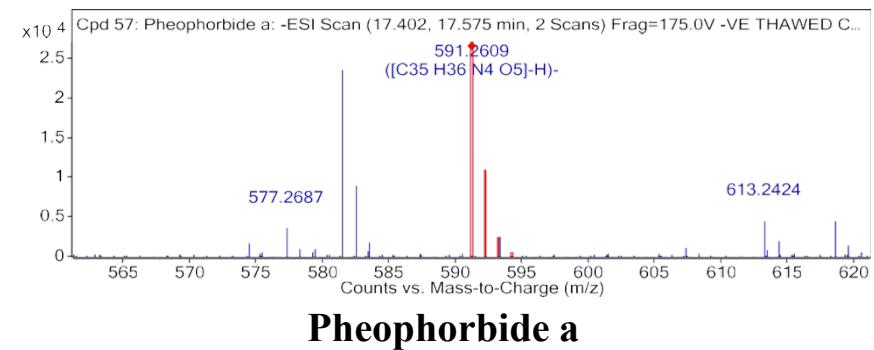
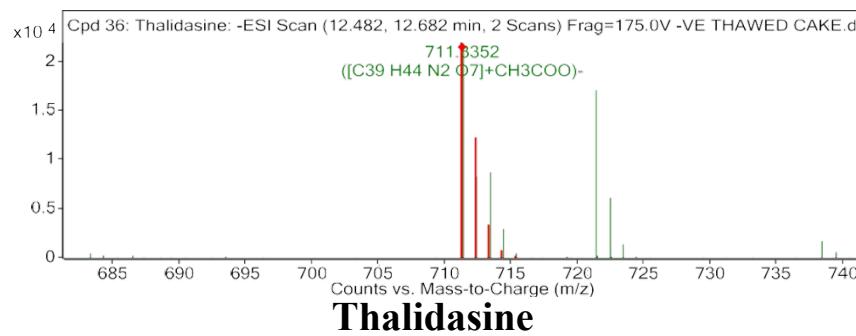
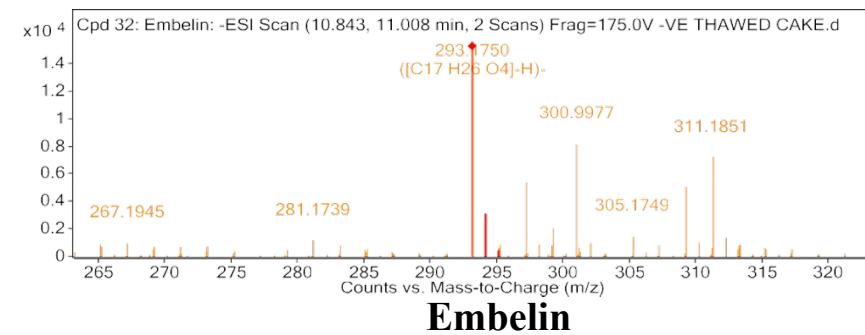
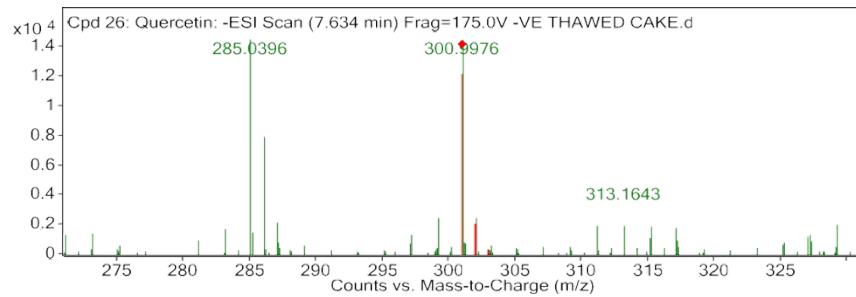
Ephedrannin A



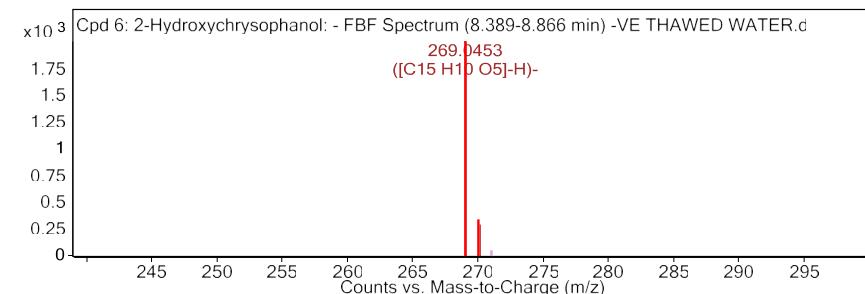
Kaempferol 3-O- β -D- galactoside



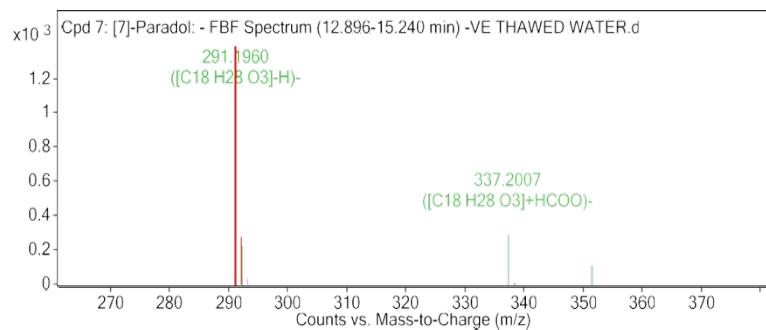
6-C-Galactosylluteolin



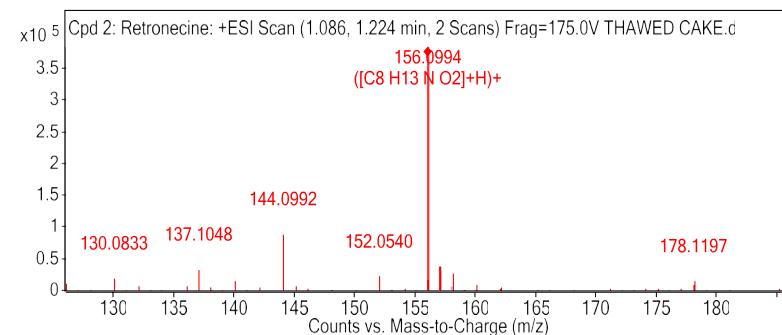
ent-Fisetinidol-(4 β ->8)-catechin-(6->4 β)-ent-fisetinidol



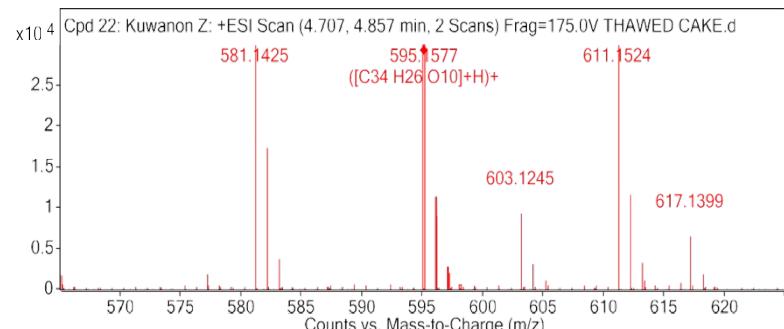
2-Hydroxychrysophanol



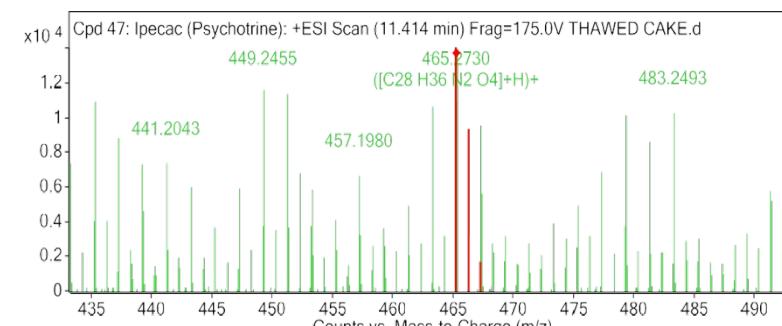
[7]-Paradol



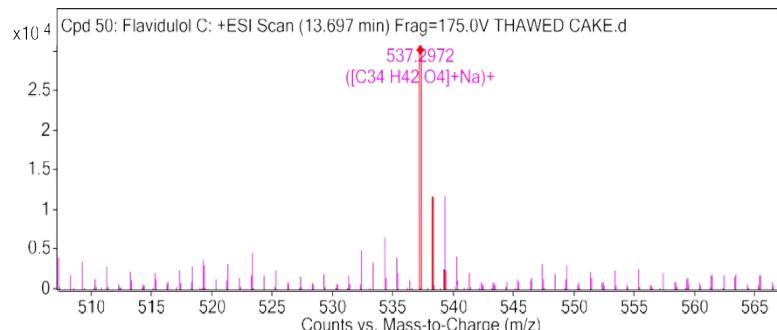
Retronecine



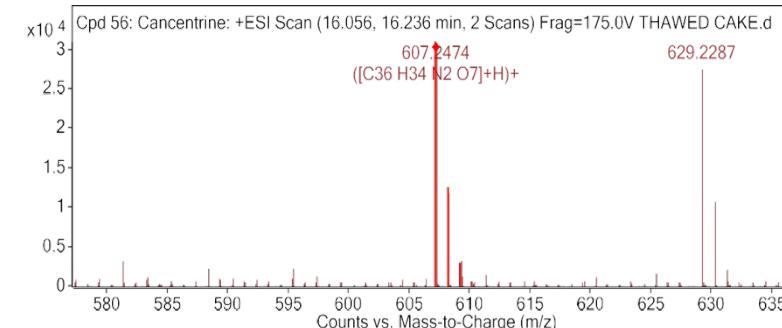
Kuwanon Z



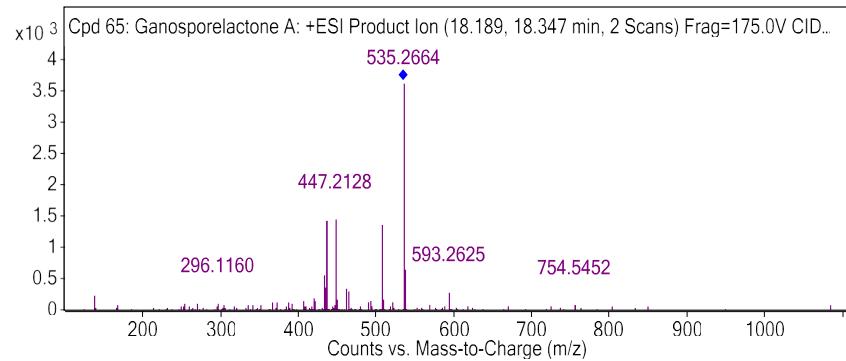
Ipecac (Psychotrine)



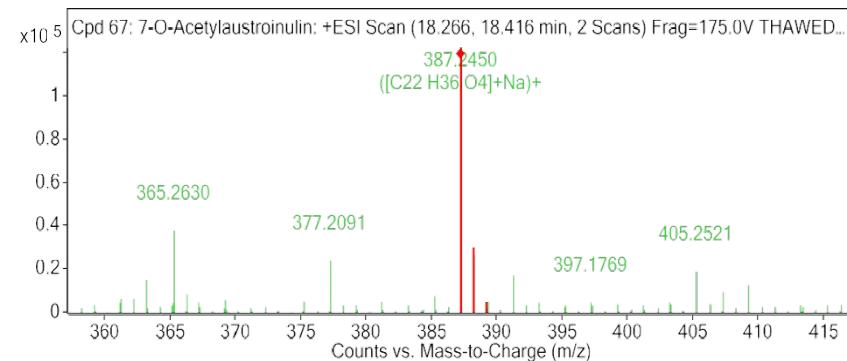
Flavidulol C



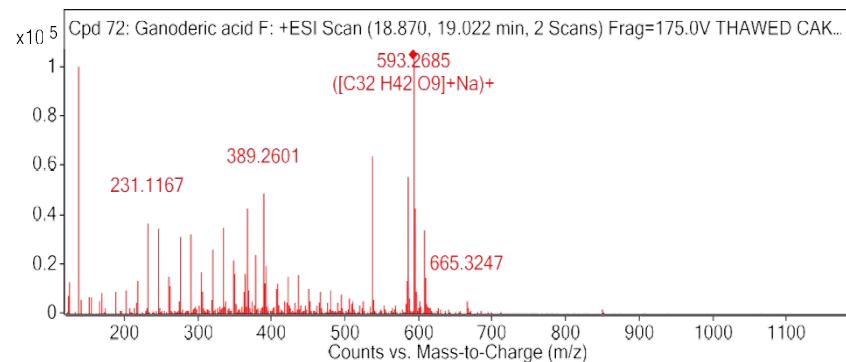
Cancentrine



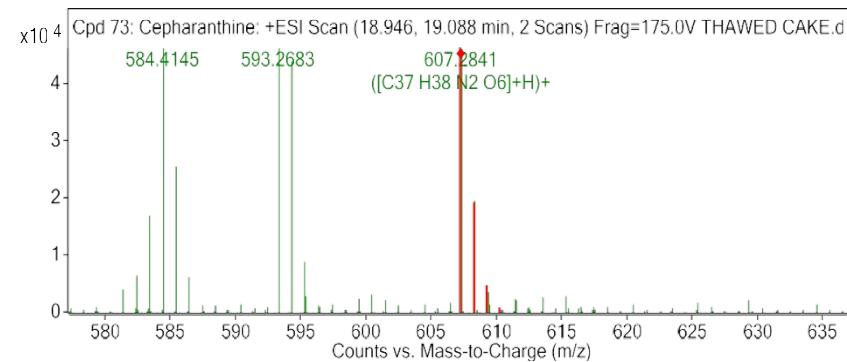
Ganosporelactone A



7-O-Acetylaustroinulin



Ganoderic acid F



Cepharanthine