

Article

Exploring the Extraction Methods of Phenolic Compounds in Daylily (*Heemerocallis citrina* Baroni) and Its Antioxidant Activity

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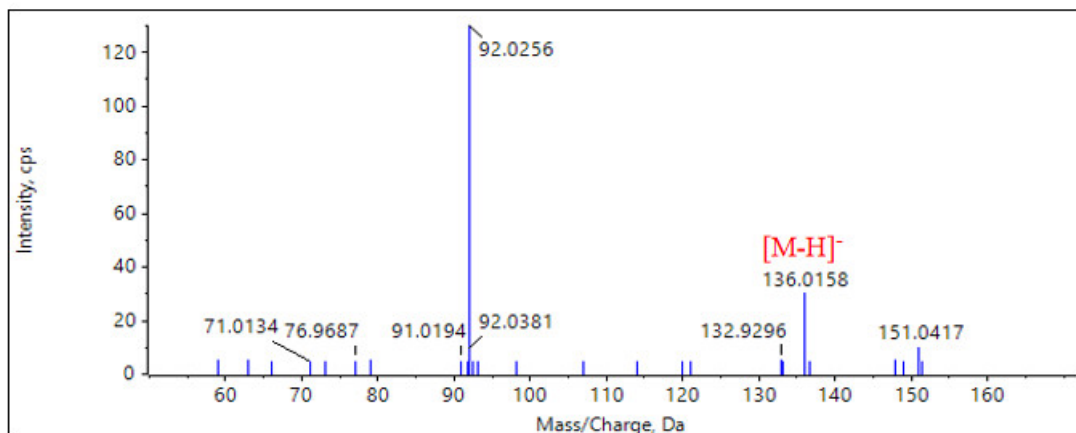
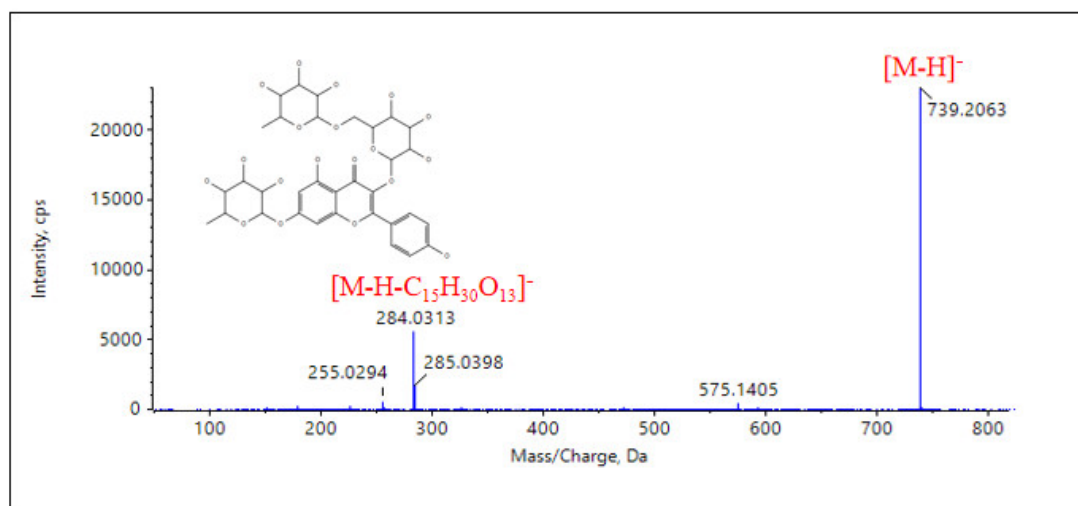
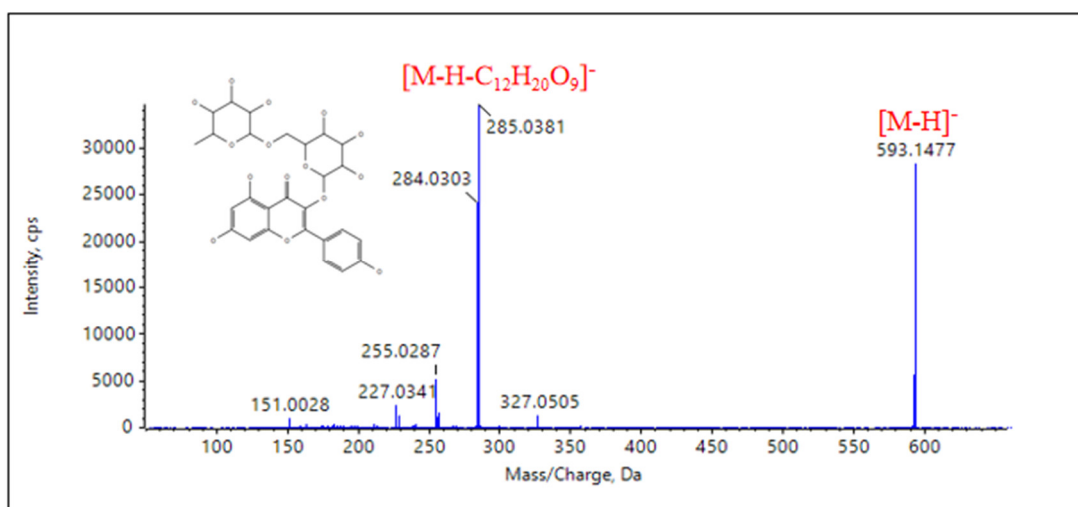
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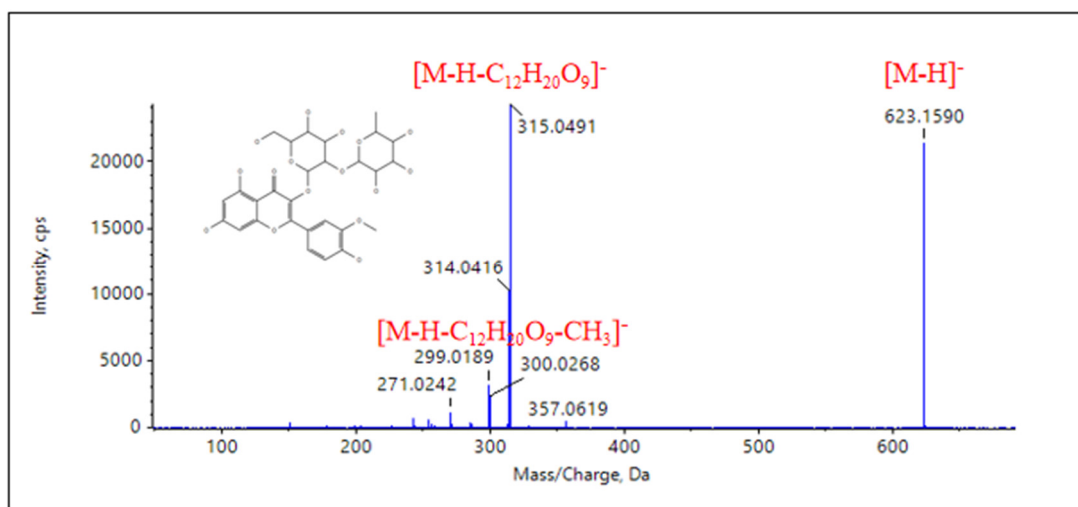
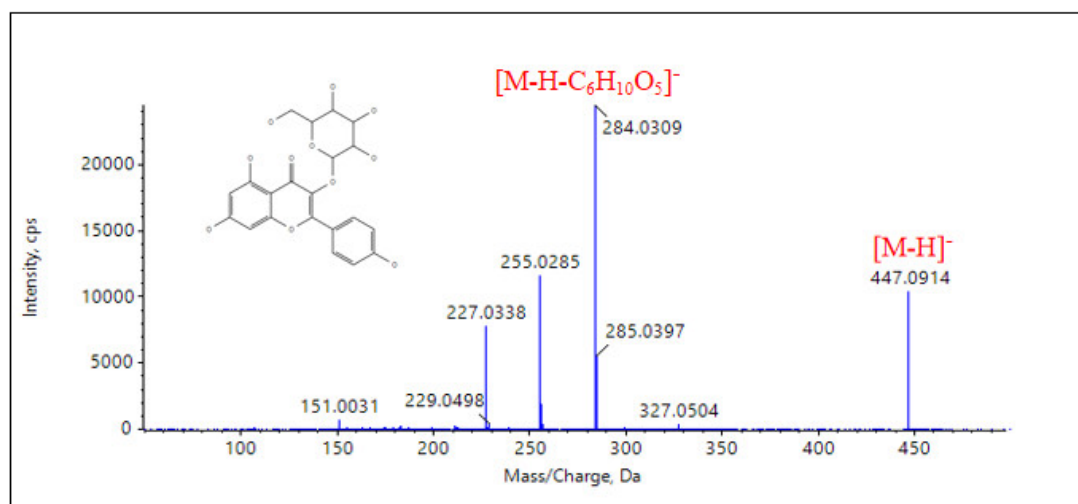
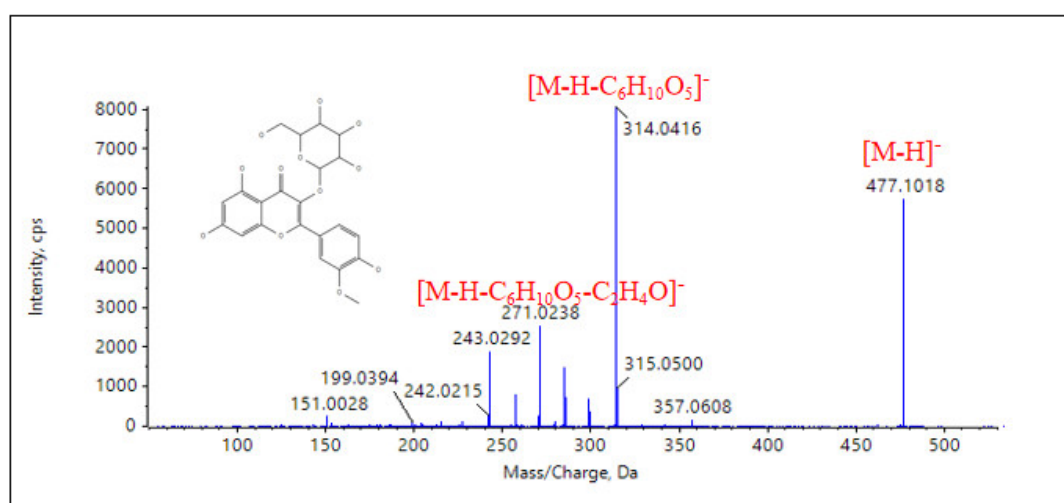
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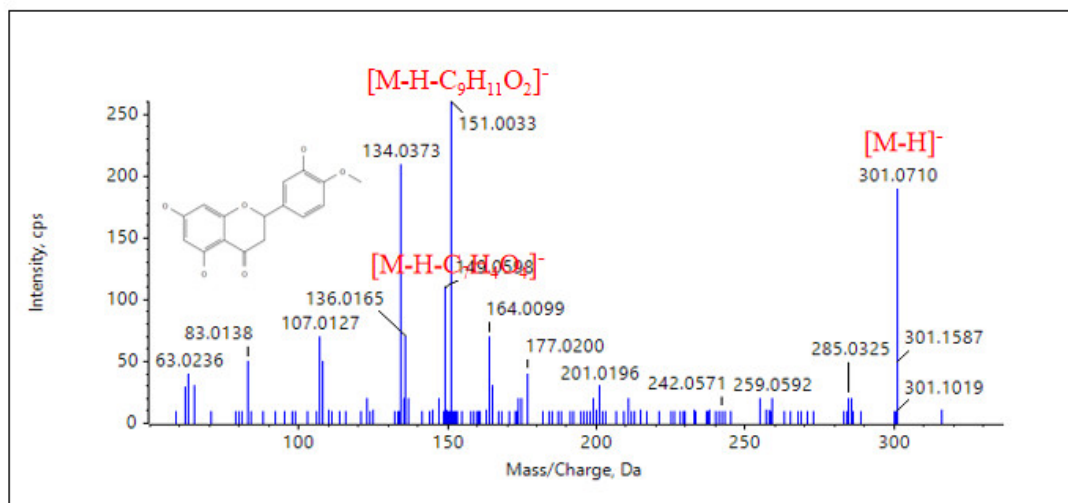
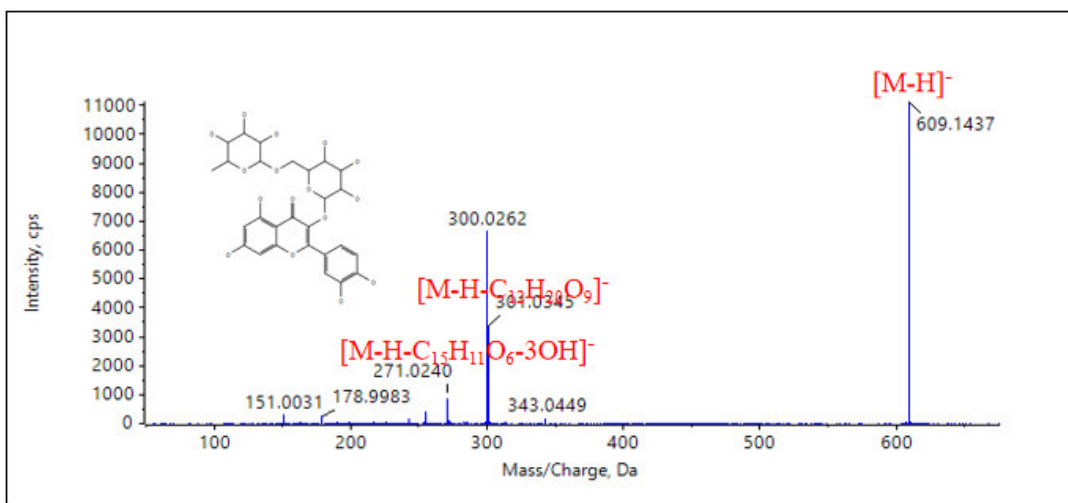
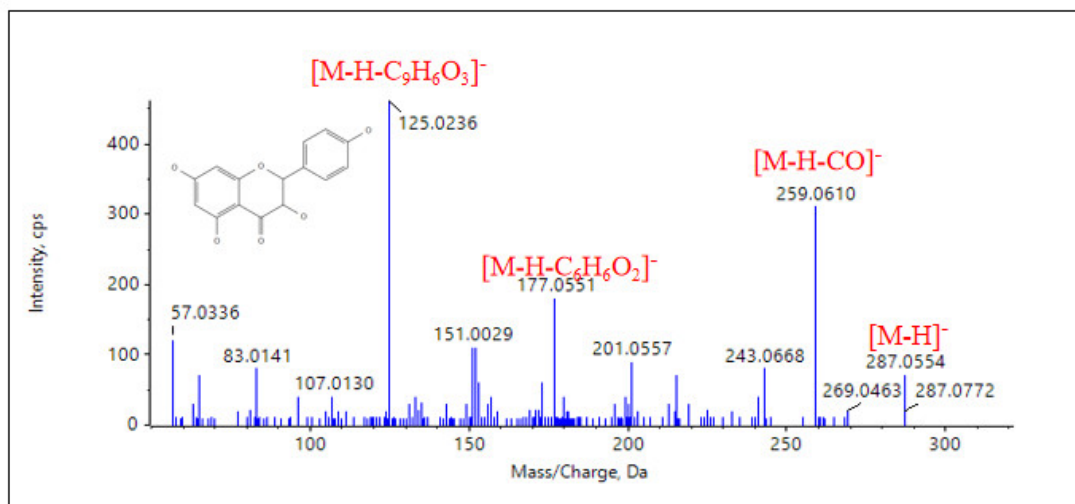
Table S1. The yield of the four extracts.

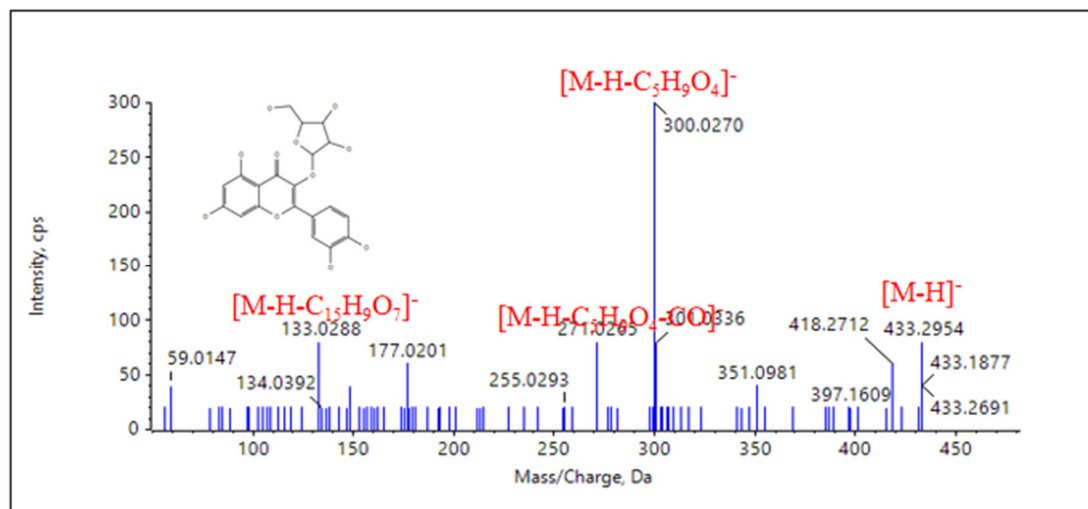
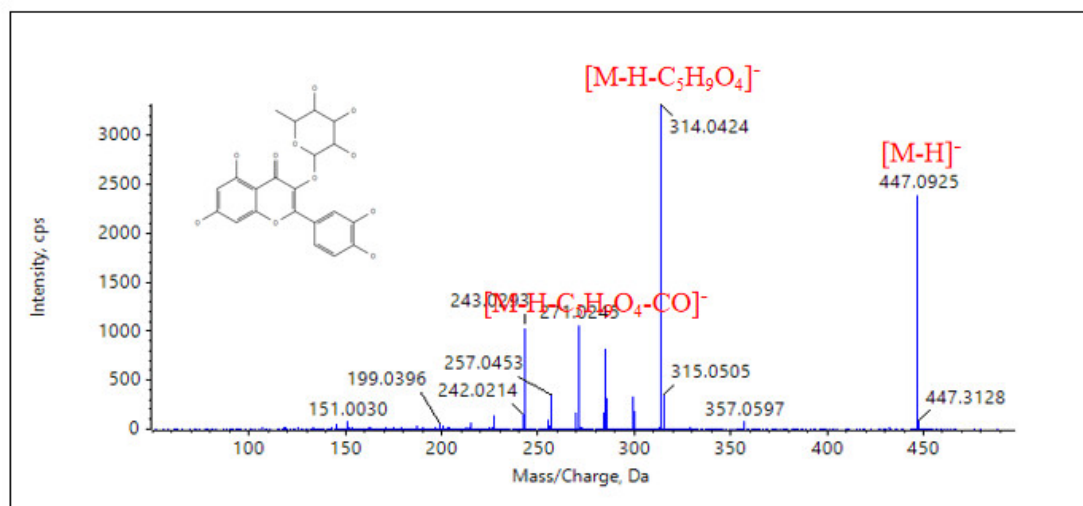
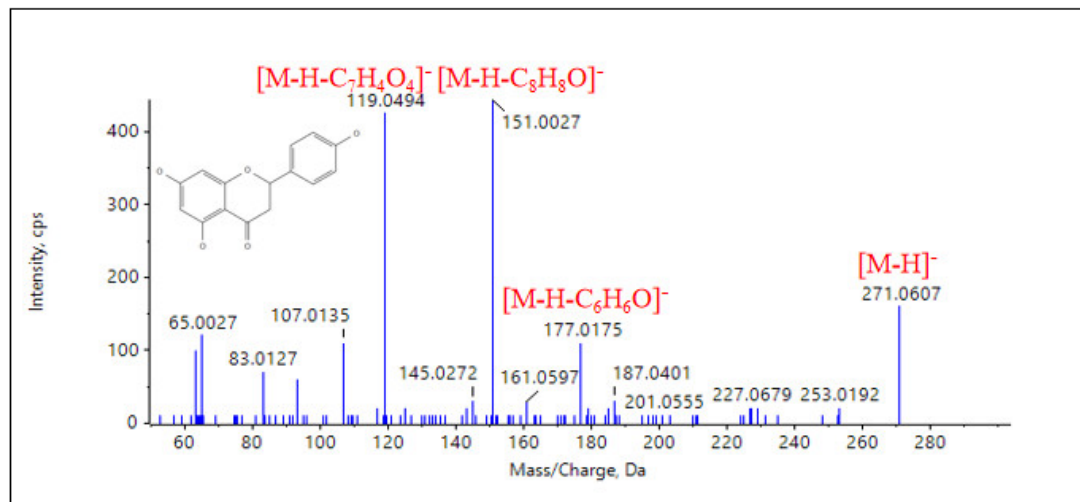
Extraction method	UW	UE	EW	EE
Extraction yield (%)	14.33±2.71 ^c	27.06±1.63 ^b	41.50±1.88 ^a	44.96±2.4 ^a

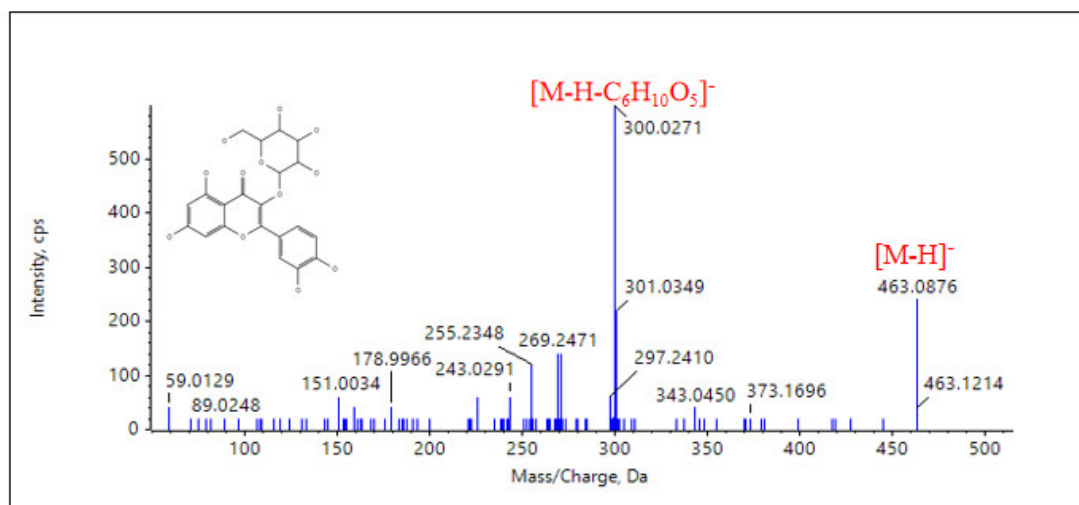
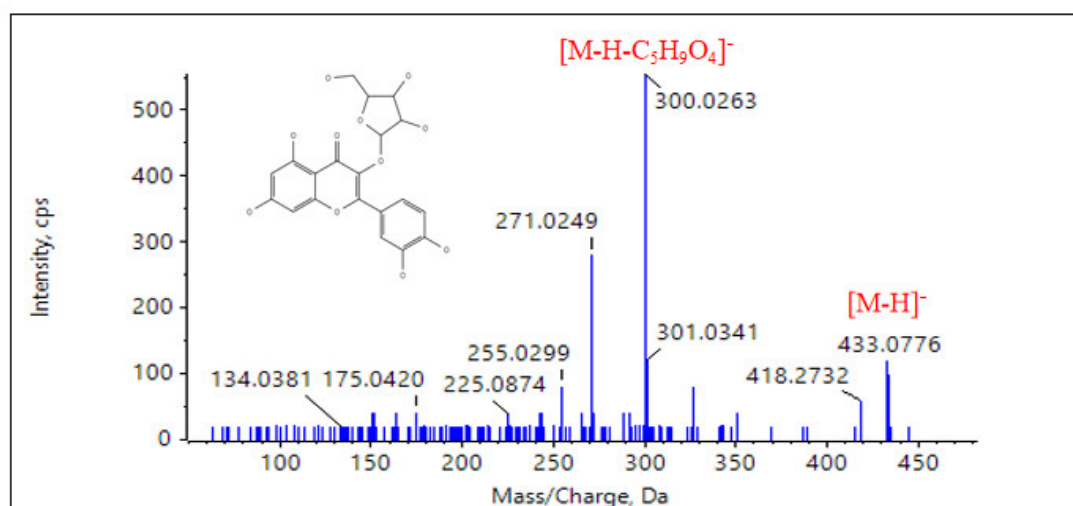
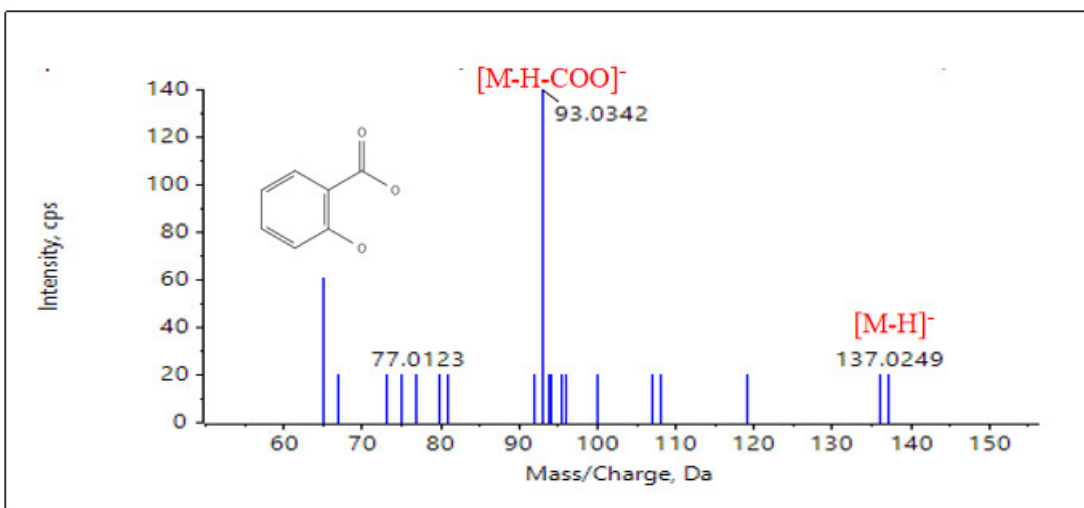
Different letters represent significant differences according to Duncan's test ($p < 0.05$). UW = ultrasound-assisted water extraction, UE = ultrasound-assisted ethanol extraction, EW = enzymatic-assisted water extraction, EE = enzymatic-assisted ethanol extraction.

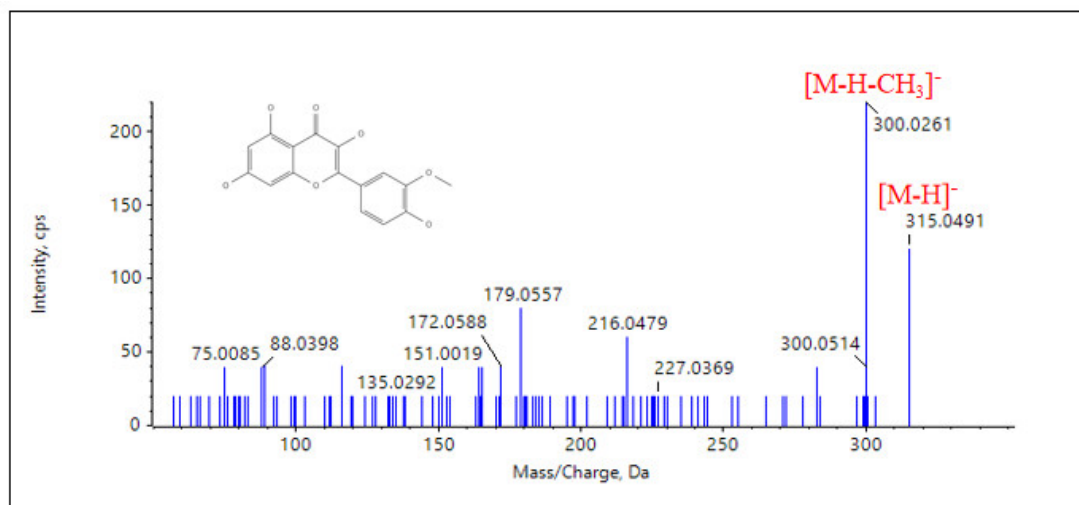
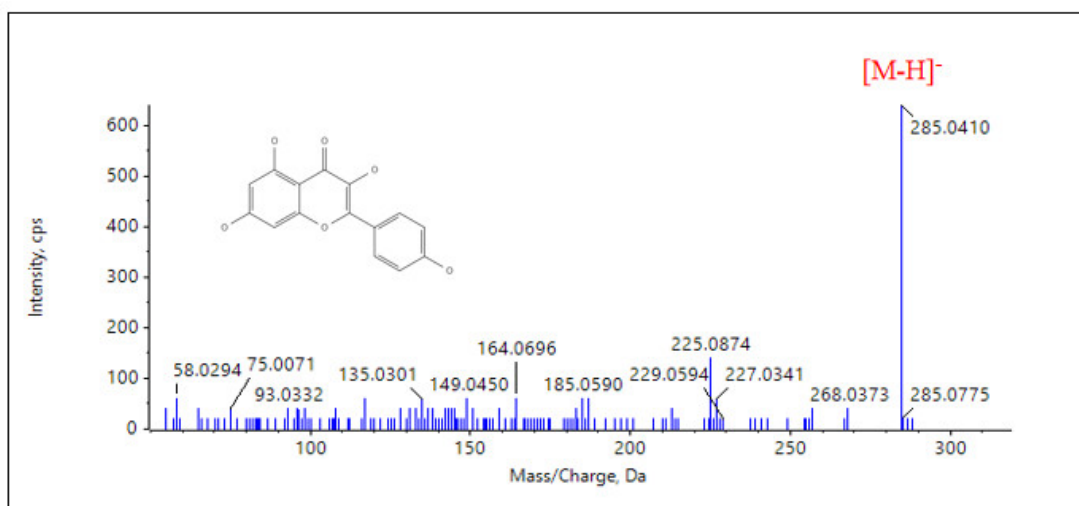
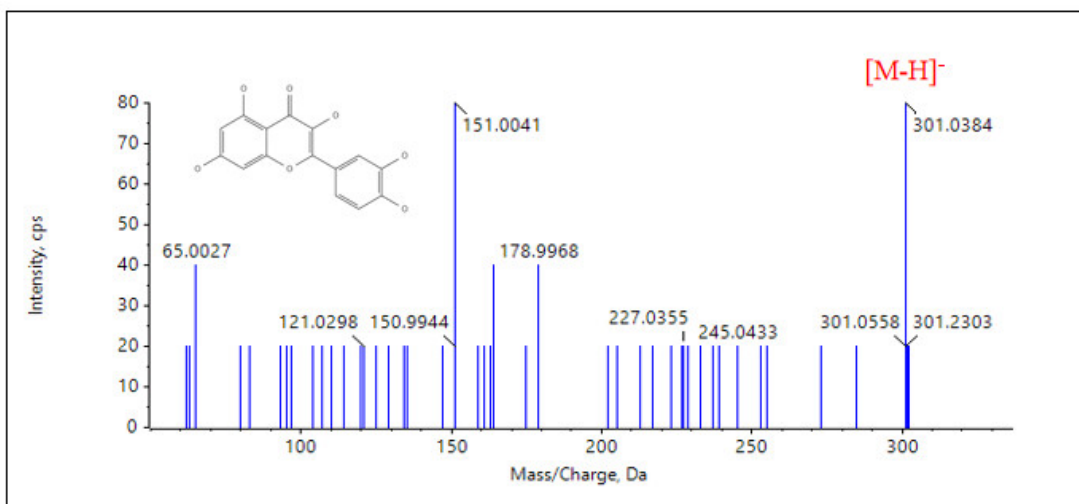
3.51 Vanillin $C_8H_8O_3$ 4.71 Robinin $C_{33}H_{40}O_{19}$ 6.68 Kaempferol-3-O-rutinoside $C_{27}H_{30}O_{15}$ 6.74 Isorhamnetin-3-O-neohesperpsode $C_{28}H_{32}O_{16}$

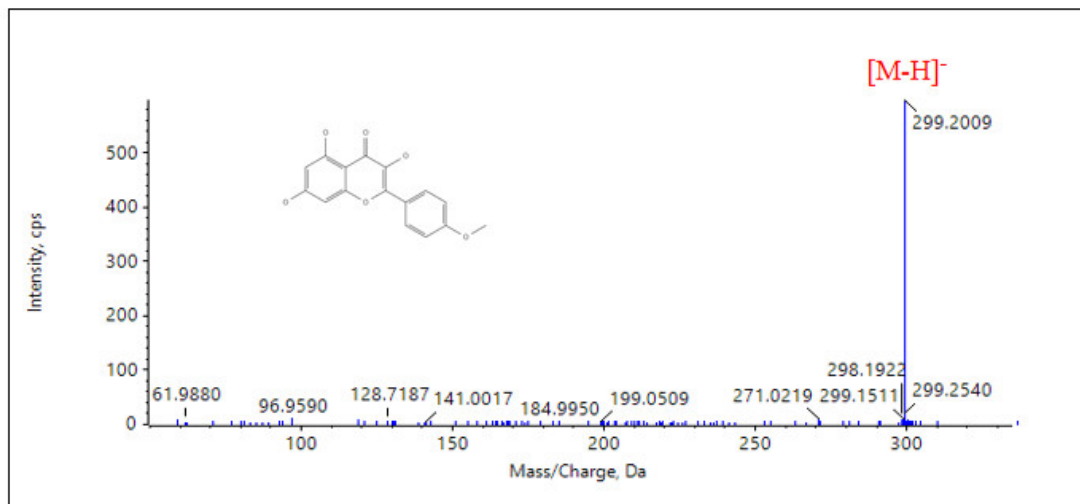
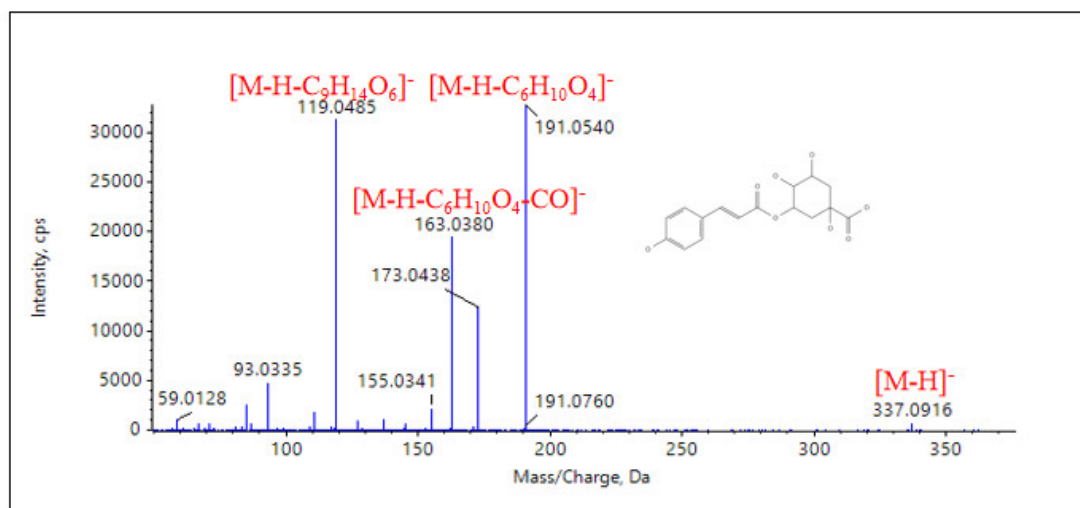
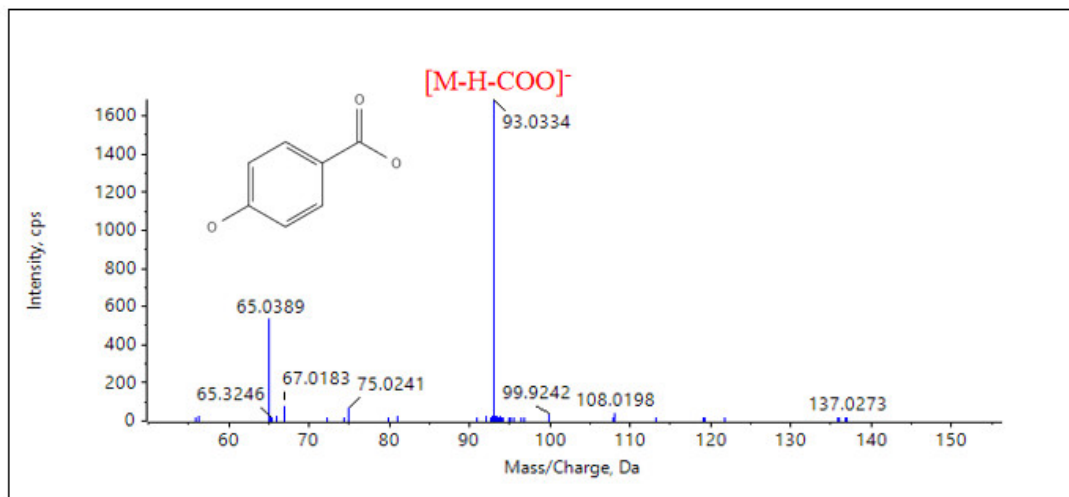
8.17 Astragalin $C_{21}H_{20}O_{11}$ 8.24 Isorhamnetin-3-glucoside $C_{22}H_{22}O_{12}$ 

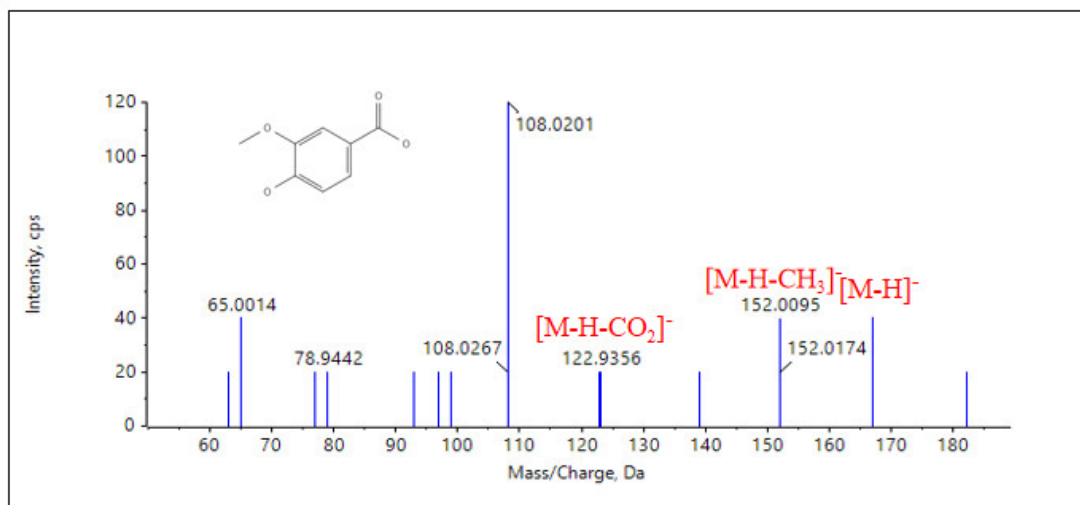
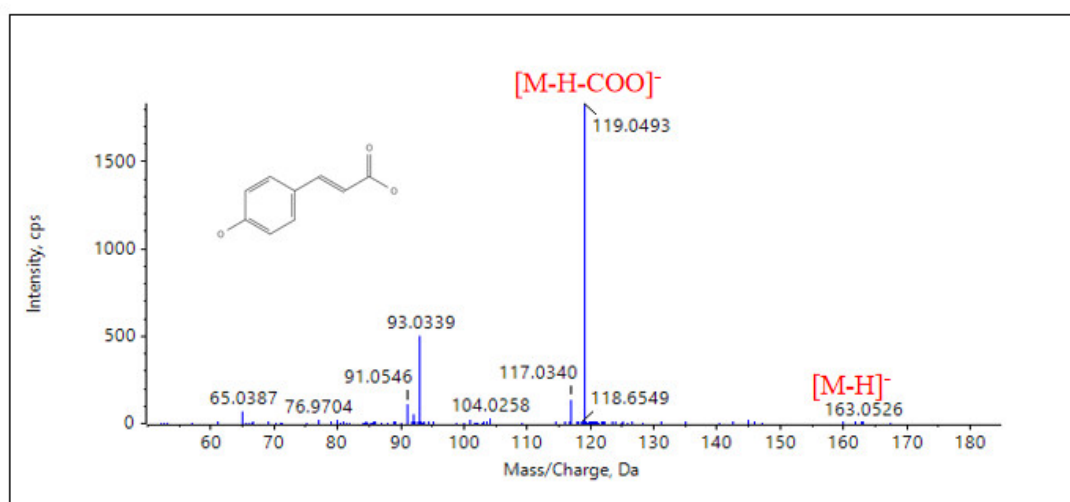
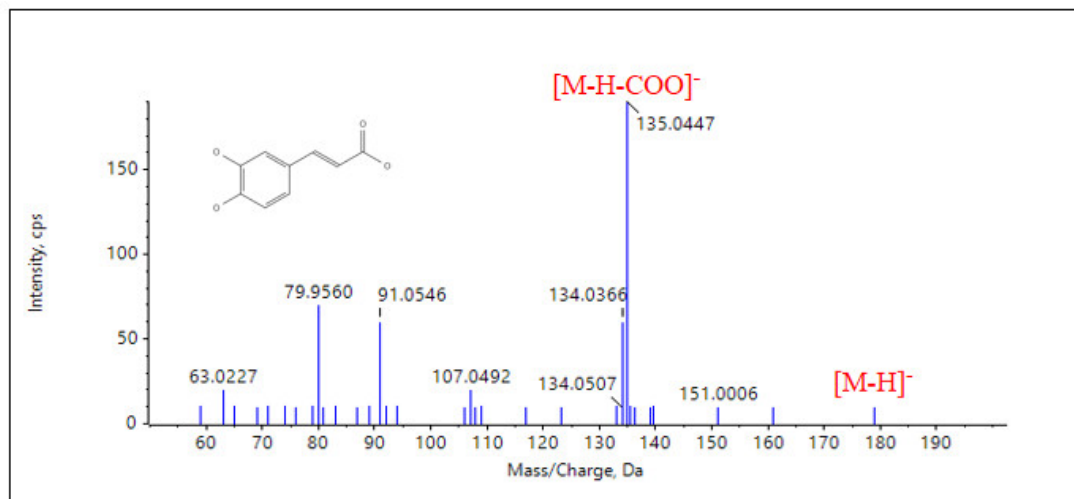
8.62 Hesperetin $C_{16}H_{14}O_6$ 8.66 Rutin $C_{27}H_{30}O_{16}$ 8.68 Dihydrokaempferol $C_{15}H_{12}O_6$ 

8.74 Kaempferol-3-O-arabinoside $C_{20}H_{18}O_{10}$ 8.83 Quercitrin $C_{21}H_{20}O_{11}$ 8.92 Naringenin $C_{15}H_{12}O_5$ 

10.14 Hyperoside $C_{21}H_{20}O_{12}$ 10.65 Avicularin $C_{20}H_{18}O_{11}$ 11.26 Salicylic acid $C_7H_6O_3$ 

11.53 Isorhamnetin $C_{16}H_{12}O_7$ 11.63 Kaempferol $C_{15}H_{10}O_6$ 14.5 Quercetin $C_{15}H_{10}O_7$ 

14.85 Artemisinin C₁₆H₁₂O₆15.99 P-Coumaroylquinic acid C₁₆H₁₈O₈17.45 4-Hydroxybenzoic acid C₇H₆O₃

17.52 Vanillic acid $C_8H_8O_4$ 19.28 P-coumaric acid $C_9H_8O_3$ 26.53 Caffeic acid $C_9H_8O_4$ 

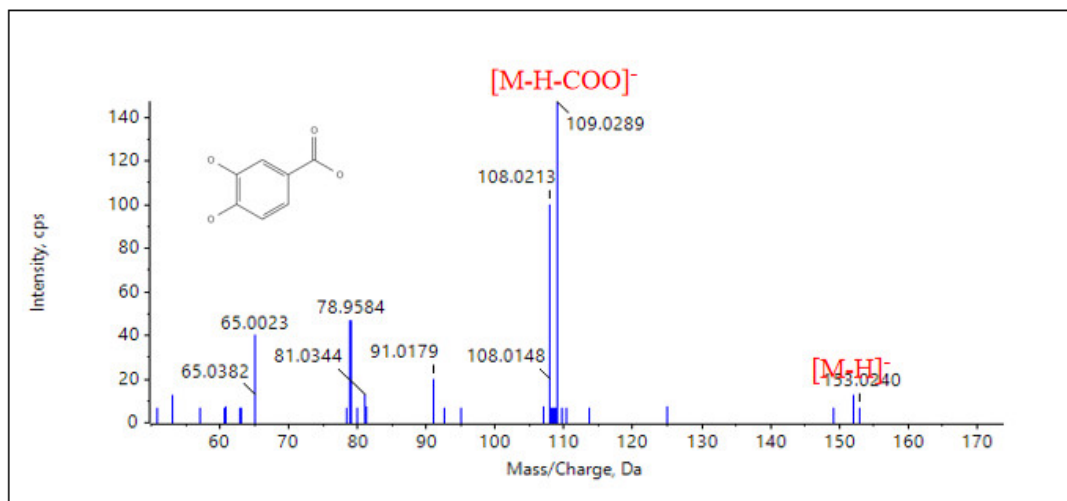
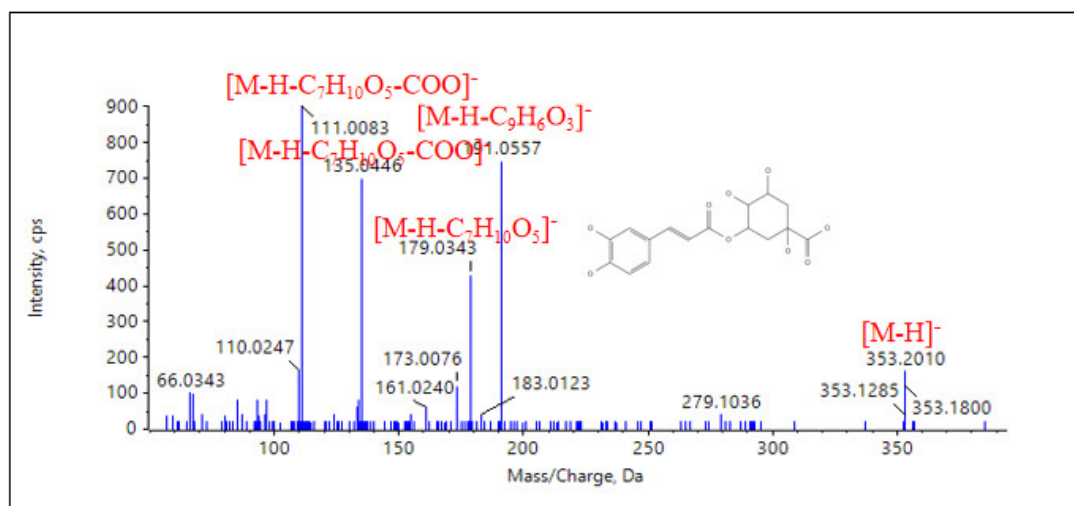
26.59 3,4-Dihydroxybenzoic acid $C_7H_6O_4$ 27.37 Chlorogenic acid $C_{16}H_{18}O_9$ 

Figure S1. MS/MS spectra of daylily (*Hemerocallis citrina* Baroni) using LC-QTOF-MS/MS.