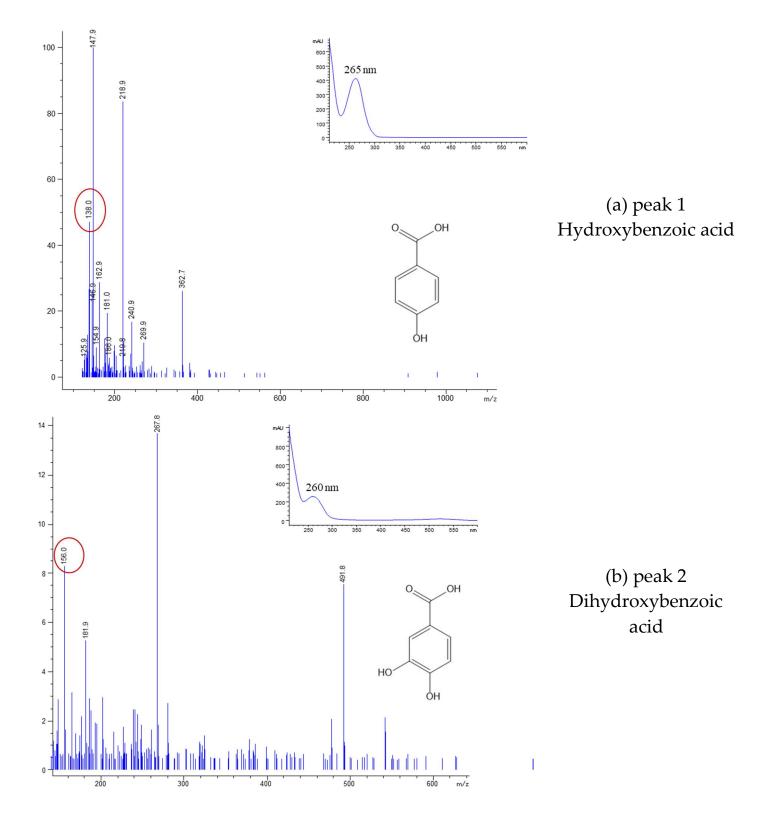
Supporting Information

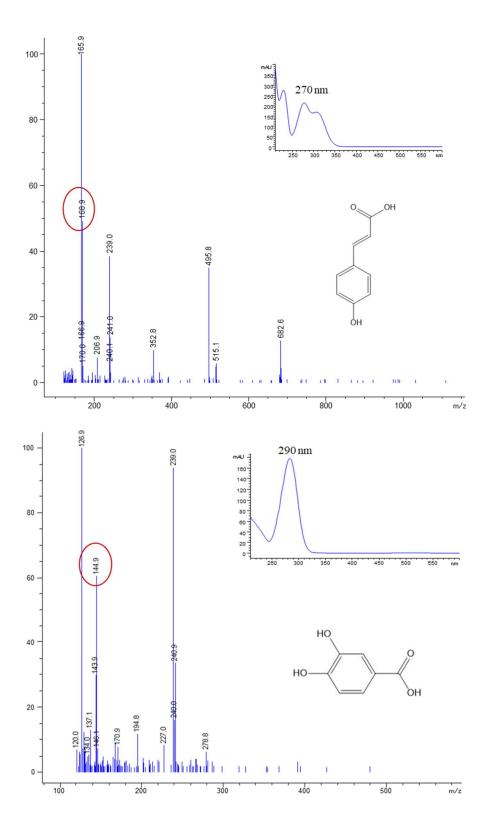
Article

Phytochemical Characterization of Five Edible Purple-Reddish Vegetables: Anthocyanins, Flavonoids, and Phenolic Acid Derivatives

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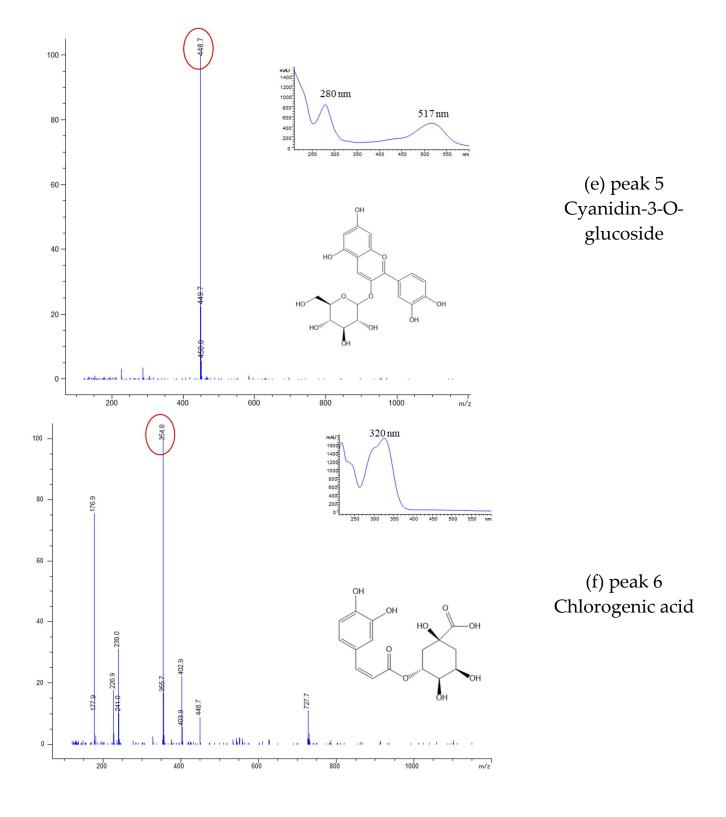
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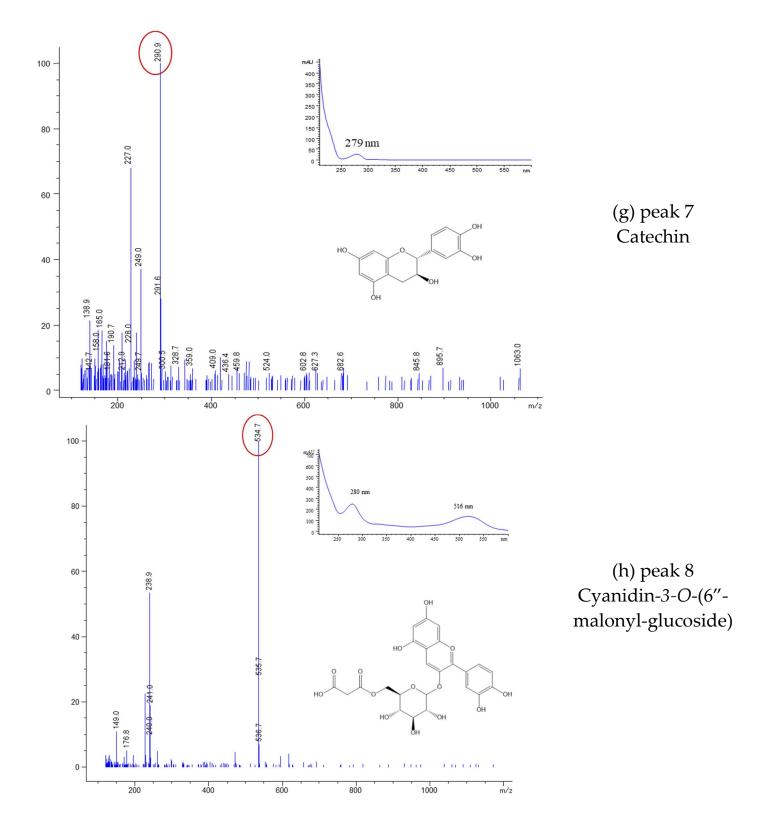


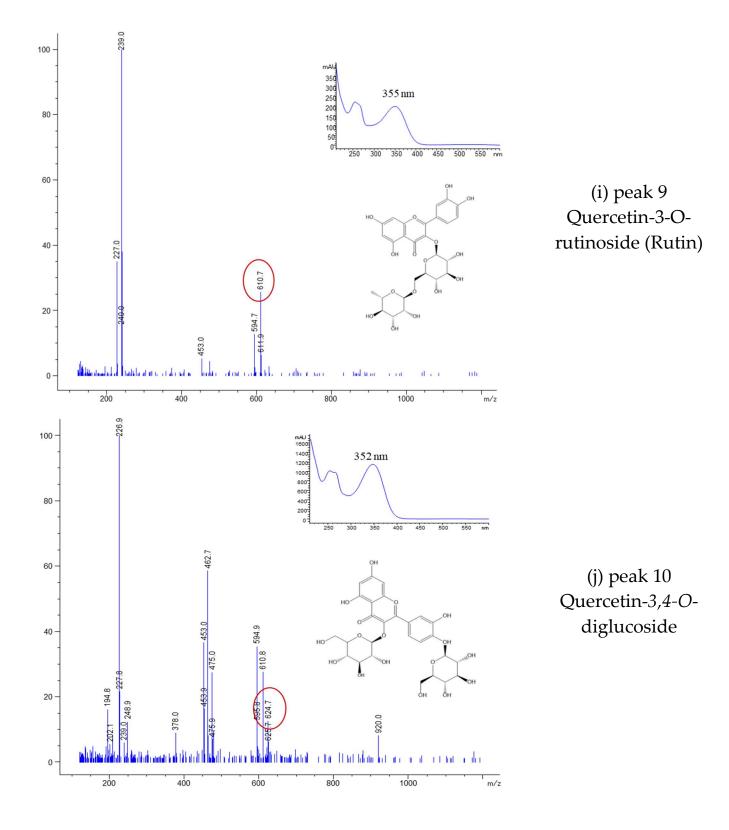


(c) peak 3 Dihydroxy p-coumaric acid

(d) peak 4 Protocatechuic acid







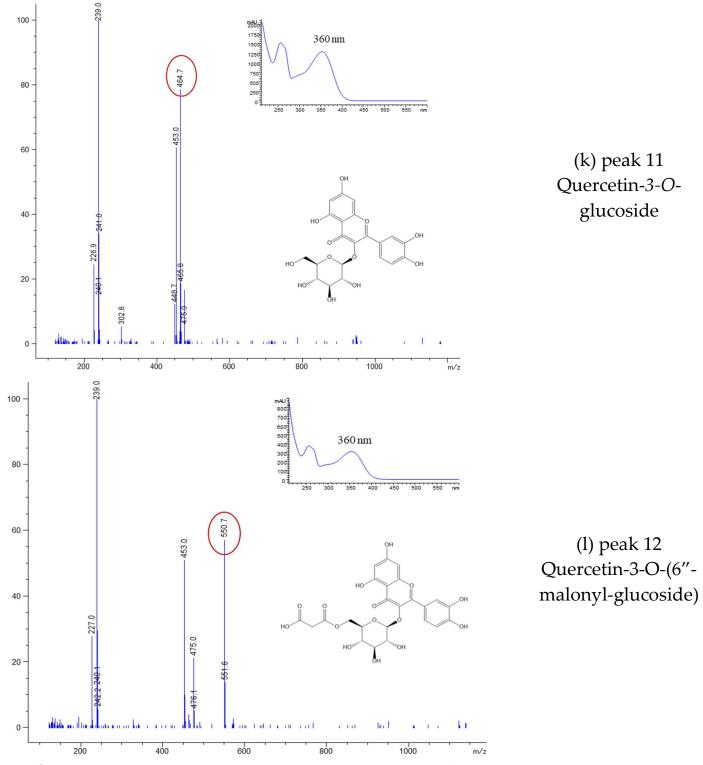
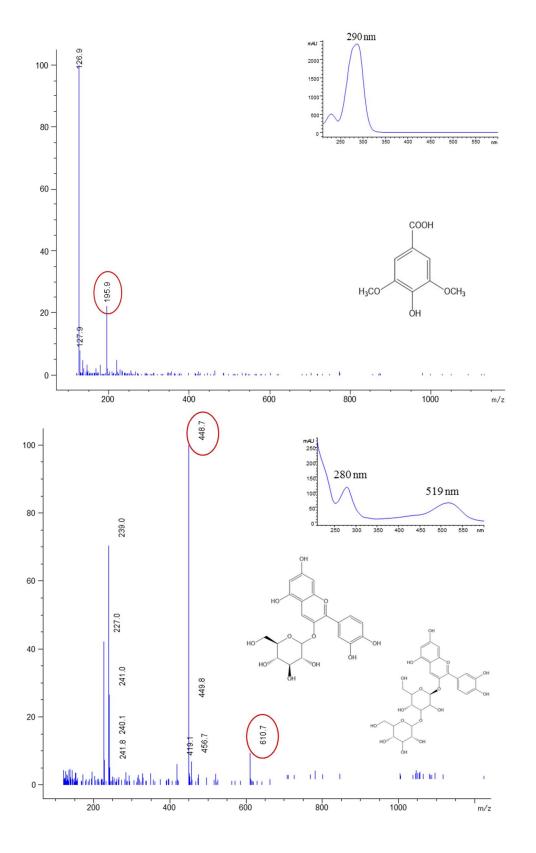
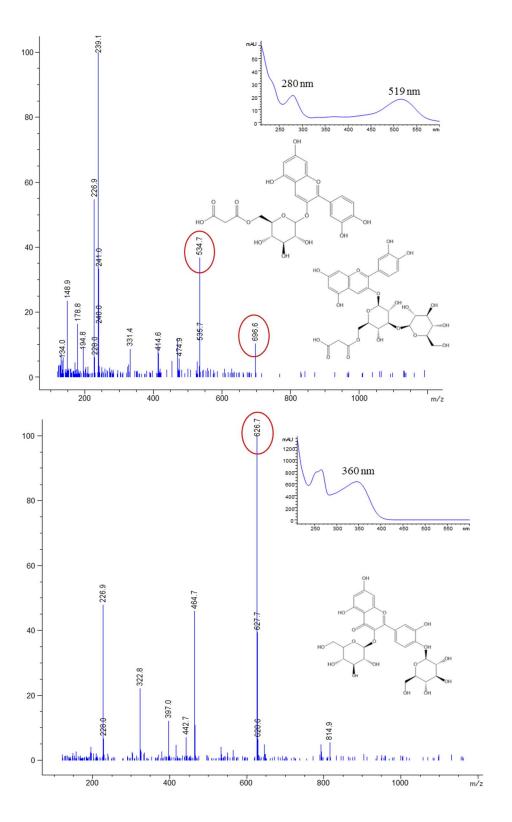


Figure 1. LC-MS; UV/vis scanning spectra; chemical structures of red chicory: (a) peak 1, (b) peak 2, (c) peak 3, (d) peak 4, (e) peak 5, (f) peak 6, (g) peak 7, (h) peak 8, (i) peak 9, (j) peak 10, (k) peak 11, (l) peak 12.



(a) peak 1 Syringic acid

(b) peak 2 Cyanidin-3-Oglucoside + Cyanidin-3-Olaminaribioside



(c) peak 3 Cyanidin-3-(6"malonyl-glucoside) + Cyanidin-3-(6"malonyllaminaribioside)

(d) peak 4 Quercetin-3,4-Odiglucoside

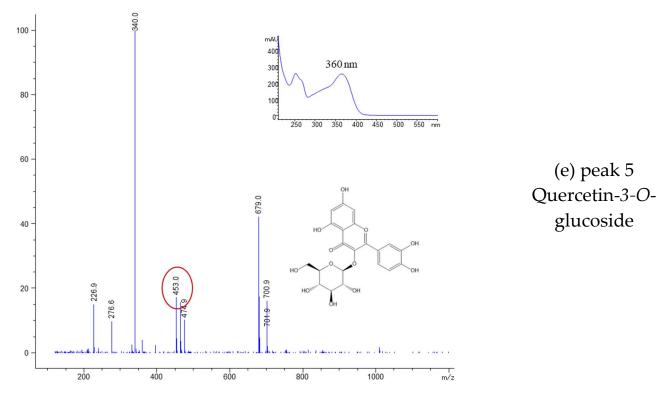
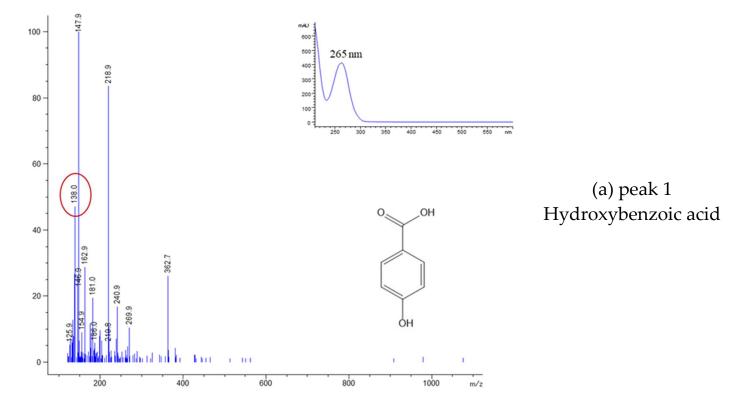


Figure 2. LC-MS; UV/VIS scanning spectra; chemical structures of red onion: (a) peak 1, (b) peak 2, (c) peak 3 (d) peak 4, (e) peak 5



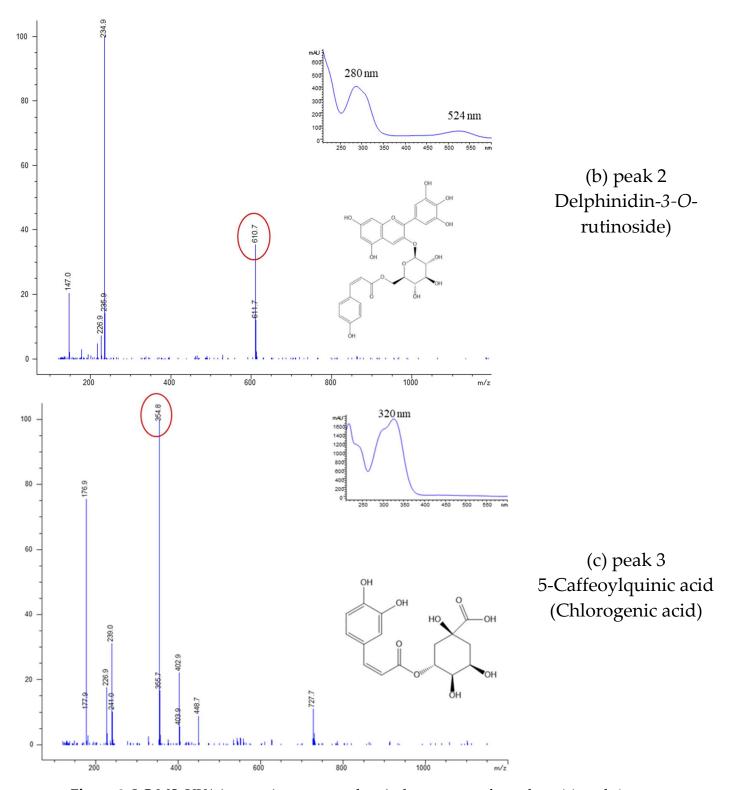
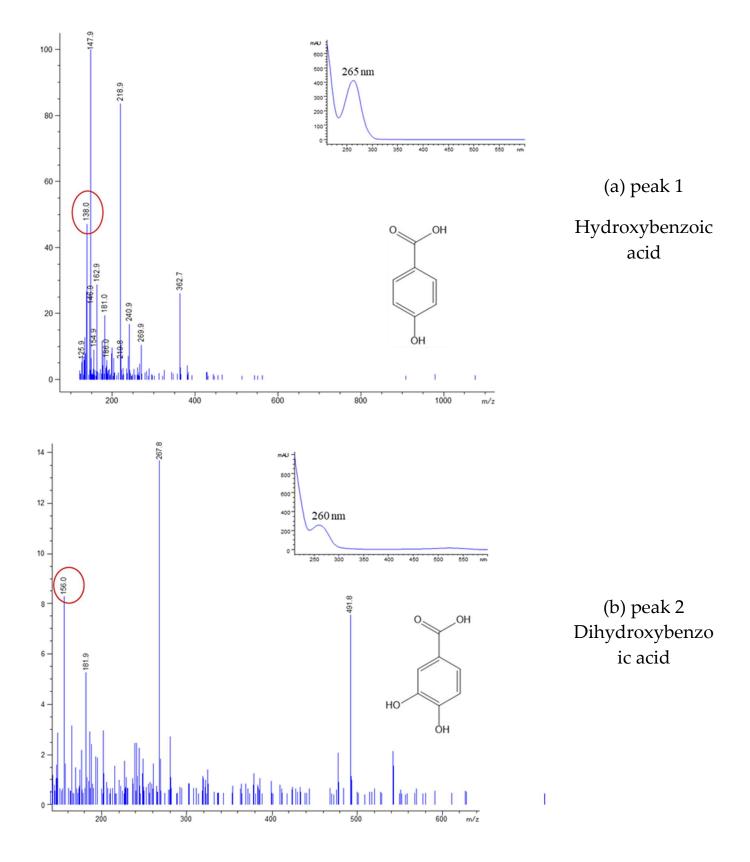
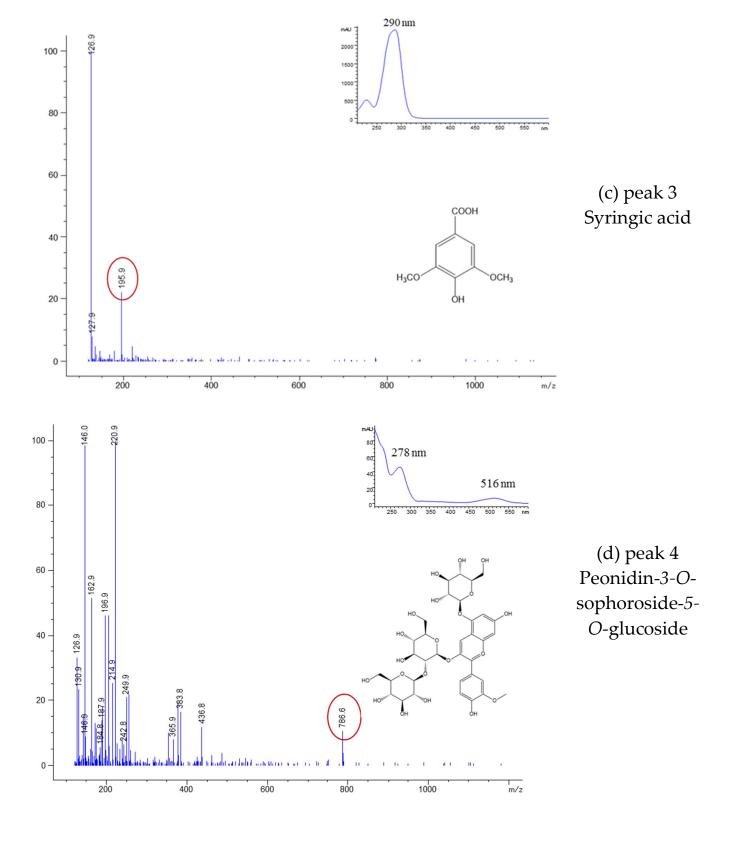
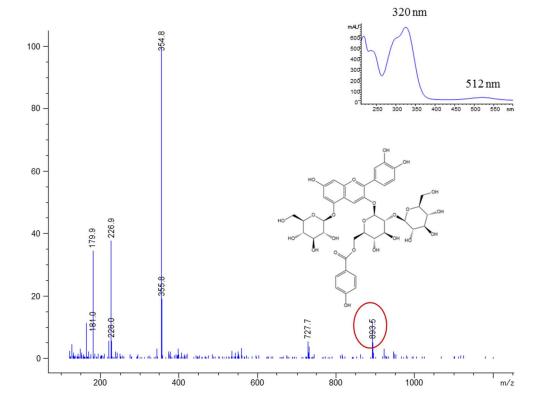


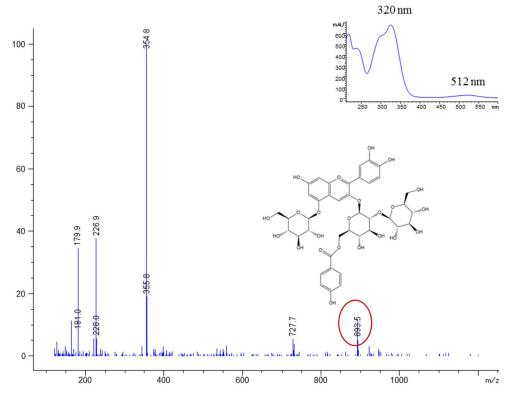
Figure 3. LC-MS; UV/vis scanning spectra; chemical structures of eggplant: (a) peak 1, (b) peak 2, (c) peak 3.



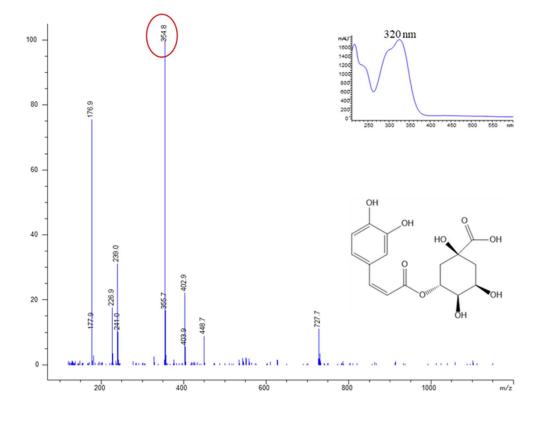




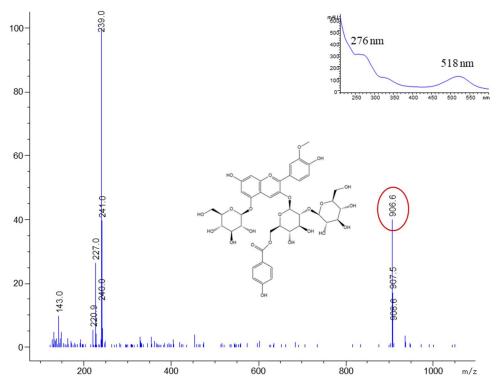
(e) peak 5 Peonidin-3-*O*glucoside



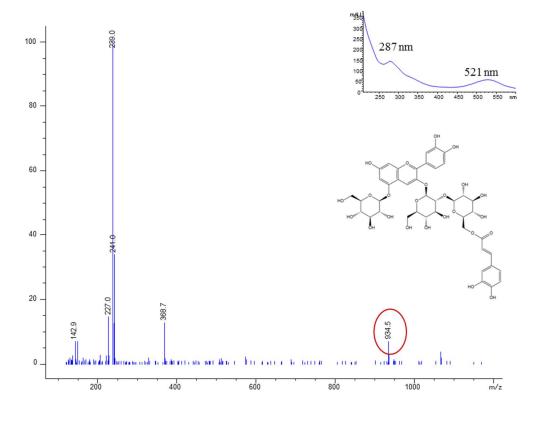
(f) peak 6 Cyanidin-3-phydroxybenzoyl sophoroside-5glucoside



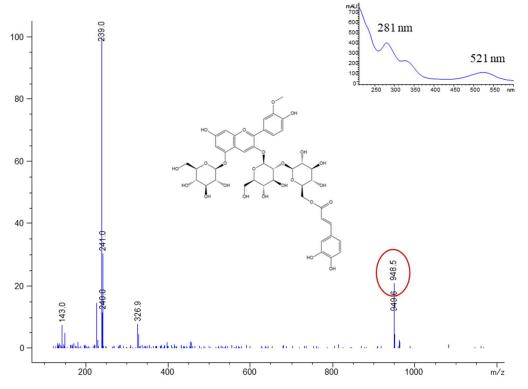
(g) peak 7 Chlorogenic acid



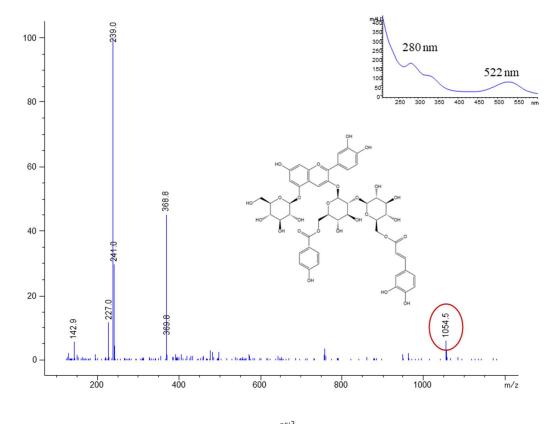
(h) peak 8 Peonidin-3-phydroxybenzoyl sophoroside-5glucoside



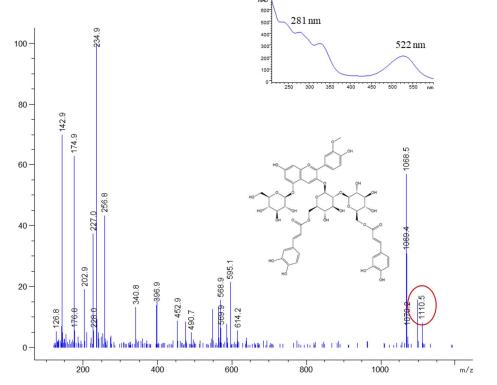
(i) peak 9 Cyanidin-3caffeoylsophoros ide-5-glucoside



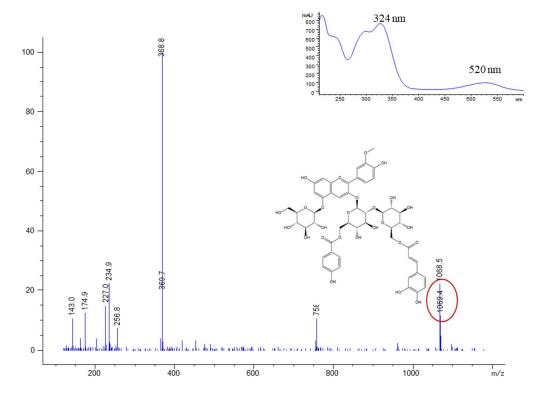
(j) peak 10 Peonidin-3caffeoylsophoros ide-5-glucoside



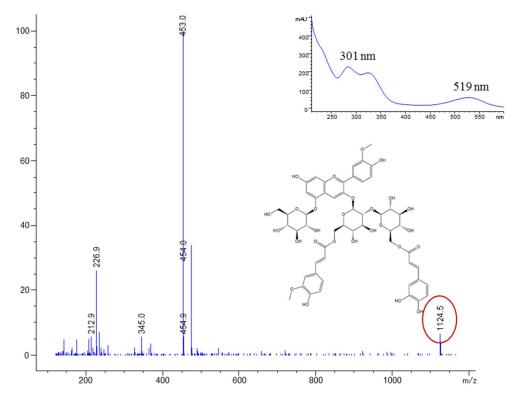
(k) peak 11 Cyanidin-3caffeoyl-phydroxybenzoyl sophoroside-5glucoside



(l) peak 12 Peonidin-3dicaffeoylsophor oside-5glucoside



(m) peak 12 Peonidin-3caffeoyl-phydroxybenzoyl sophoroside-5glucoside



(n) peak 13
Peonidin-3caffeoyferuloylsophoros
ide-5-glucoside

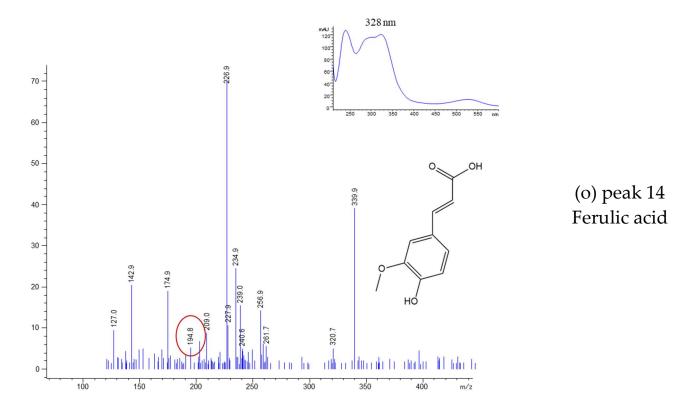
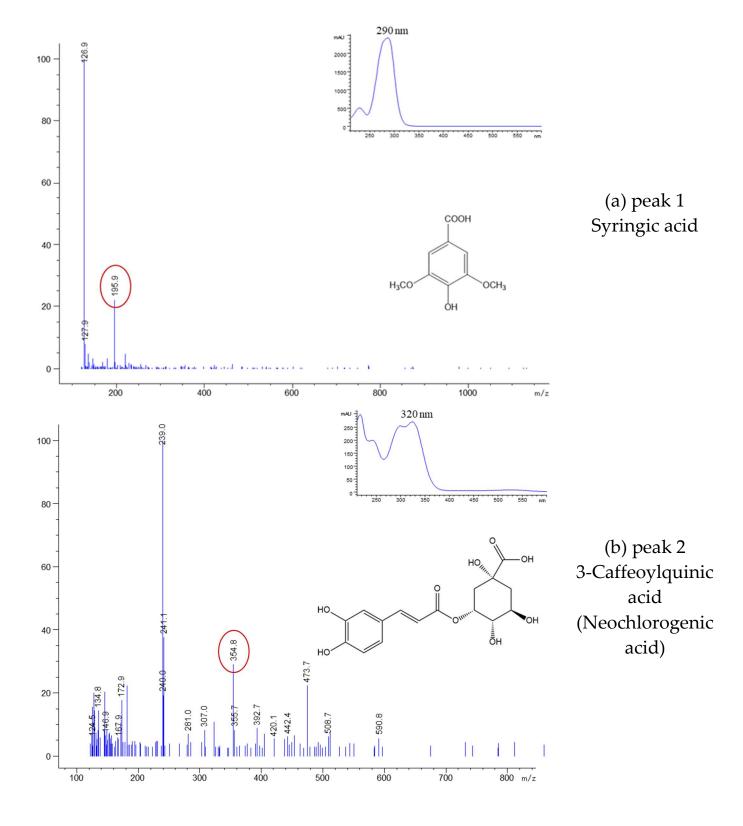
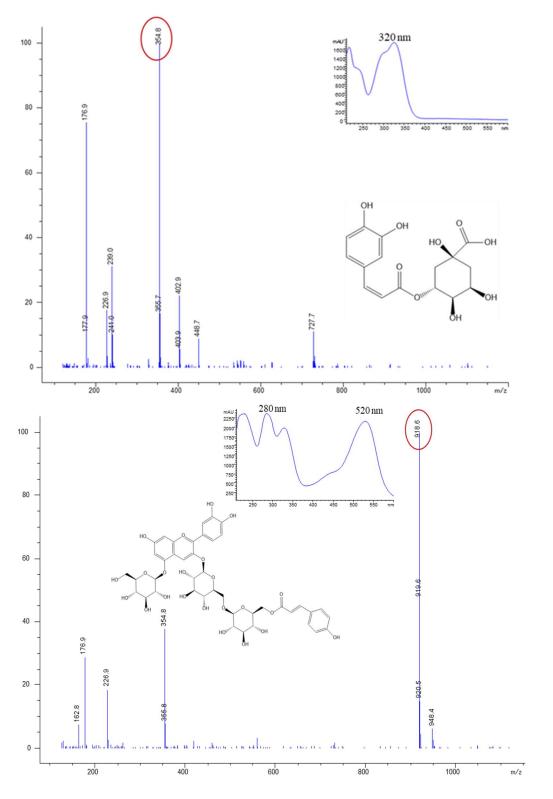


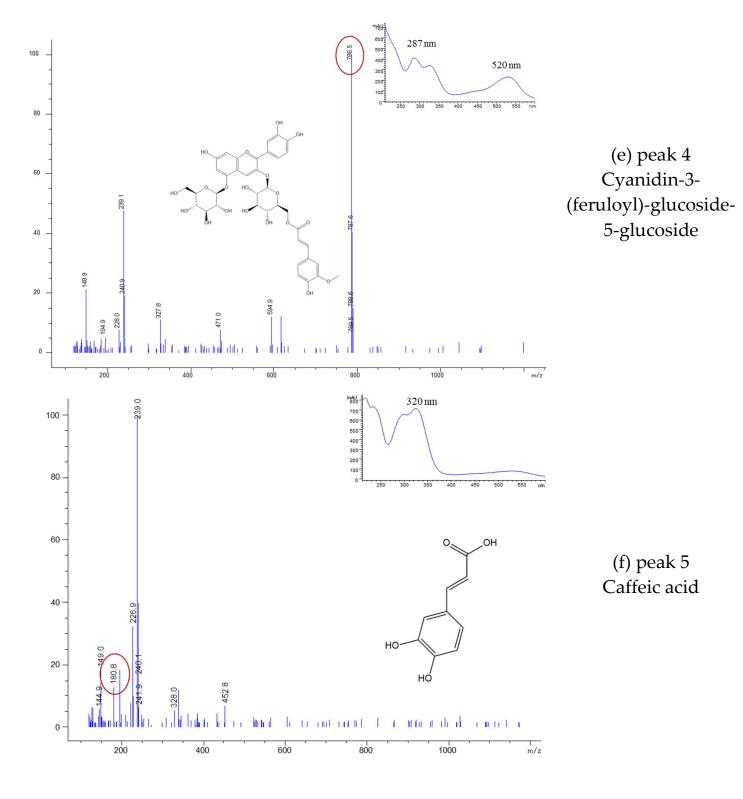
Figure 4. LC-MS; UV/vis scanning spectra; chemical structures of purple sweet potato: (a) peak 1, (b) peak 2, (c) peak 3, (d) peak 4, (e) peak 5, (f) peak 6, (g) peak 7, (h) peak 8, (i) peak 9, (j) peak 10, (k) peak 11, (l) peak 12, (m) peak 12, (n) peak 13,(o) peak 14.





(c) peak 3
5-Caffeoylquinic
acid (Chlorogenic
acid)

(d) peak 3 Cyanidin-3-(pcoumaroyl)diglucoside-5glucoside



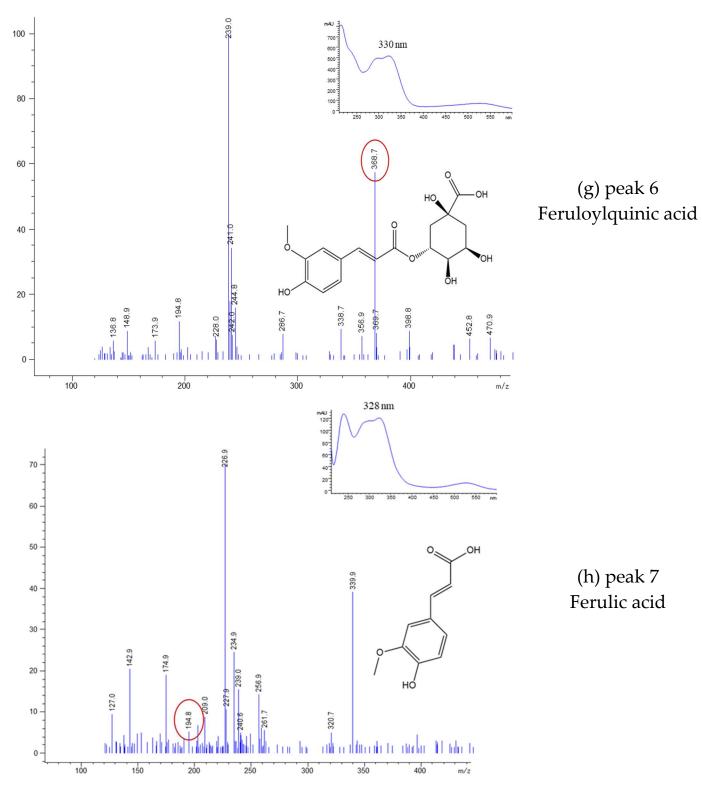


Figure 5. LC-MS; UV/VIS scanning spectra; chemical structures of black carrot: (a) peak 1, (b) peak 2, (c) peak 3, (d) peak 4, (e) peak 5, (f) peak 6, (g) peak 7, (h) peak 8.