

For those compounds which standards were available, concentration was reported as mg/g dry weight calculated from the prepared standard curve. The remaining compounds were quantified against an appropriate standard. Pelargonidin-containing compounds were quantified as mg/g dry weight pelargonidin equivalents; cyanidin-3-2^G-glucosylrutinoside was quantified as mg/g dry weight cyanidin-3-glucoside equivalents, and kaempferol-3-glucuronide was quantified as mg/g dry weight quercetin-3-glucoside equivalents.

Table 2. Concentration (mg/g DW±standard error) of flavonoid compounds in three raspberry cultivars quantified by LC-TOF-MS and comparison to external standards.* Shaded rows were quantified as equivalents of a different, but related, standard.

Compound	Autumn Britten	Caroline	Nantahala
Cyanidin-3-glucoside*	2.510±0.149 _b	5.039±0.305 _a	2.552±0.071 _b
Cyanidin-3-(2^G-glucosylrutinoside)	14.131±1.223 _a	3.873±0.275 _b	11.522±3.011 _a
Cyanidin-3-rutinoside*	0.132±0.016 _a	0.044±0.004 _b	0.036±0.015 _b
Cyanidin-3-sambubioside*	2.763±0.884 _b	0.832±0.124 _b	8.909±1.131 _a
Cyanidin-3-sophoroside*	1.716±0.143 _c	5.878±0.450 _a	2.622±0.213 _b
Kaempferol-3-glucuronide	0.101±0.009 _a	0.113±0.008 _a	0.148±0.012 _a
Quercetin-3-glucoside*	0.031±0.006 _a	0.028±0.005 _{ab}	0.014±0.002 _b
Pelargonidin-3-glucoside	0.196±0.006 _b	0.212±0.006 _{ab}	0.226±0.008 _a
Pelargonidin-3-rutinoside	0.222±0.010 _a	0.154±0.001 _b	0.215±0.023 _a
Pelargonidin-3-sophoroside	0.503±0.042 _a	0.270±0.008 _b	0.253±0.038 _b

*Data values for each cultivar are the mean of 18 samples, averaged across harvest locations. Concentrations within the same row labeled with the same letter are not significantly different (p<0.05).