

Table S1 MS characteristics and elution time parameters of monomeric anthocyanins

No.	Compounds names	[M+]/[M-H] <i>m/z</i>	(Frag. MS ²) <i>m/z</i>	Elution time (min)
1	Delphinidin-3- <i>O</i> -glucoside	465	303	3.269
2	Cyanidin-3- <i>O</i> -glucoside	449	287	4.350
3	Petunidin-3- <i>O</i> -glucoside	479	317	5.373
4	Peonidin-3- <i>O</i> -glucoside	463	301	7.051
5	Malvidin-3- <i>O</i> -glucoside	493	331	9.320
6	Delphinidin-3- <i>O</i> -acetylglucoside	507	303	11.277
7	Cyanidin-3- <i>O</i> -acetylglucoside	491	287	13.102
8	Petunidin-3- <i>O</i> -acetylglucoside	521	317	13.858
9	Peonidin-3- <i>O</i> -acetylglucoside	505	301	14.243
10	Petunidin-3- <i>O</i> -(6- <i>O</i> -caffeoyl) glucoside	641	317	16.180
11	Malvidin-3- <i>O</i> -acetylglucoside	535	331	17.635
12	Delphinidin-3- <i>O</i> -(6- <i>O</i> -coumaroyl) glucoside (<i>cis</i> isomer)	611	303	18.891
13	Peonidin-3- <i>O</i> -(6- <i>O</i> -caffeoyl) glucoside	625	301	19.806
14	Peonidin-3- <i>O</i> -(6- <i>O</i> -coumaroyl) glucoside (<i>cis</i> isomer)	609	301	22.436
15	Malvidin-3- <i>O</i> -(6- <i>O</i> -coumaroyl) glucoside (<i>cis</i> isomer)	639	331	23.499
16	Malvidin-3- <i>O</i> -(6- <i>O</i> -caffeoyl) glucoside (<i>cis</i> isomer)	655	331	25.552
17	Peonidin-3- <i>O</i> -(6- <i>O</i> -coumaroyl) glucoside (<i>trans</i> isomer)	609	301	29.993
18	Malvidin-3- <i>O</i> -(6- <i>O</i> -coumaroyl) glucoside (<i>trans</i> isomer)	639	331	31.097