

1    **Supplementary Materials: Iridoids, phenolic  
2    compounds and antioxidant activity of edible  
3    honeysuckle berries (*Lonicera caerulea* var.  
4    *kamtschatica* Sevast.)**

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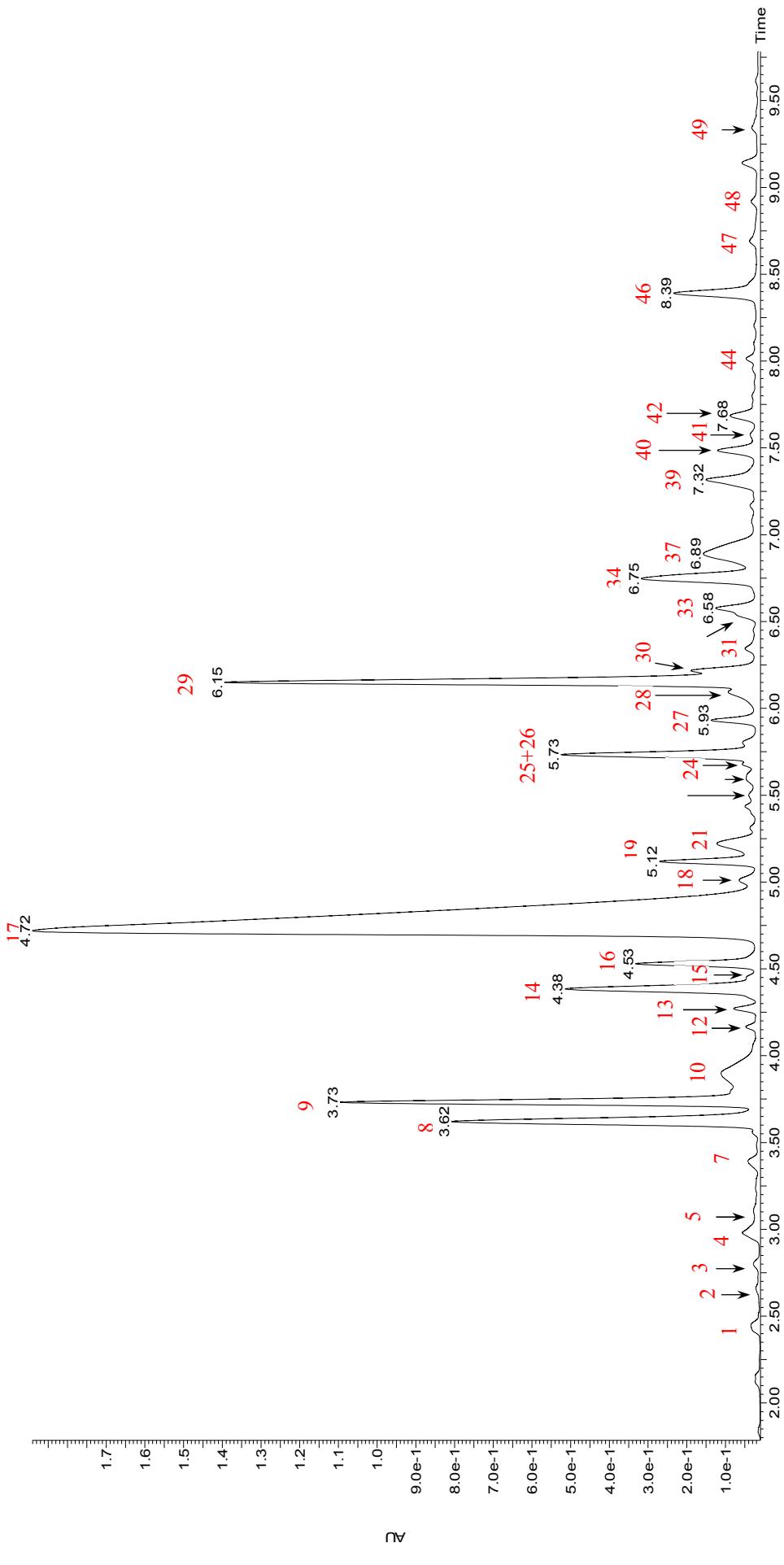


Fig. S1. UPLC-DAD chromatogram (254 nm) of compounds of methanolic extract from honeysuckle berries. The peak number corresponds to the number in Tables 1, 2, and 3.

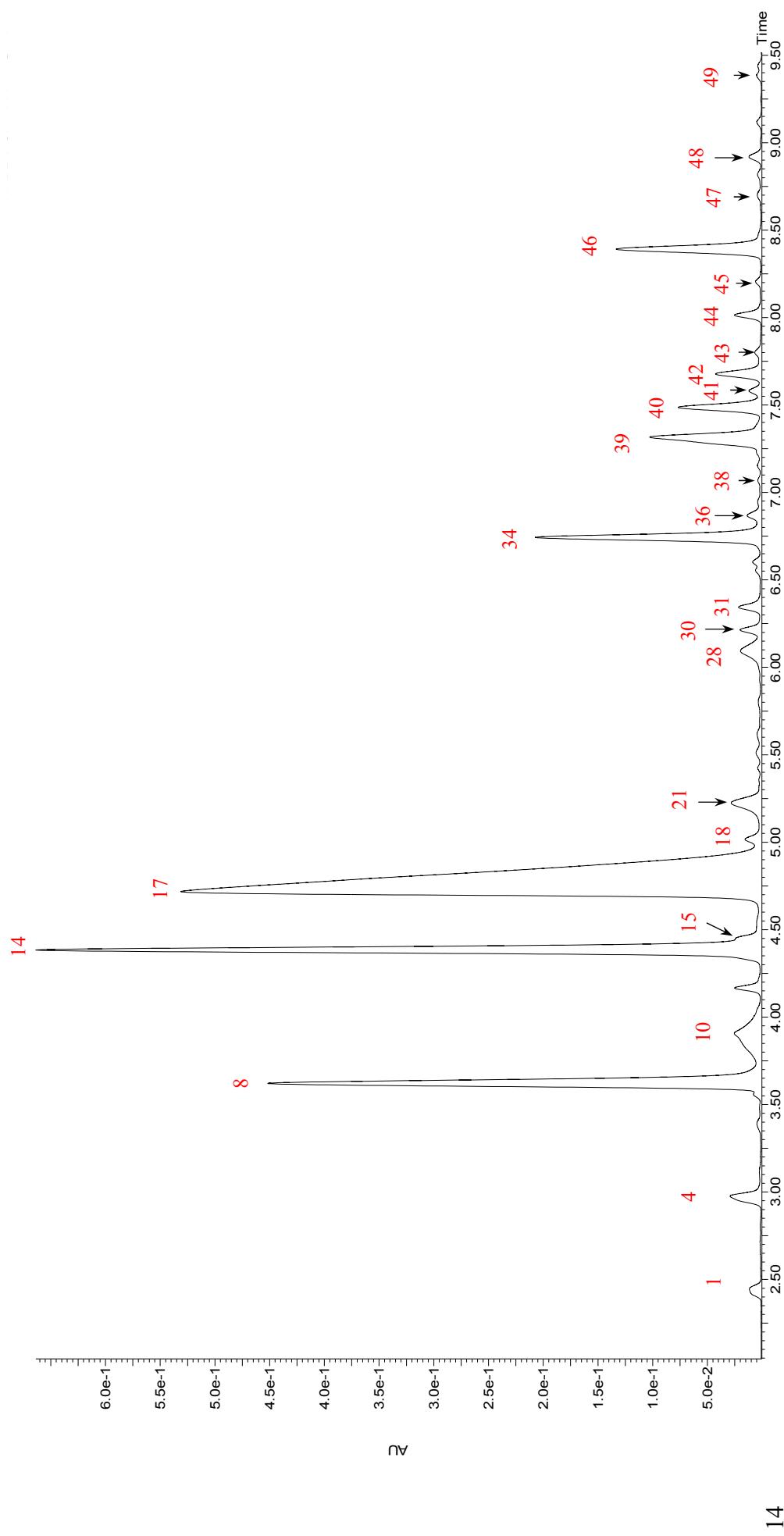
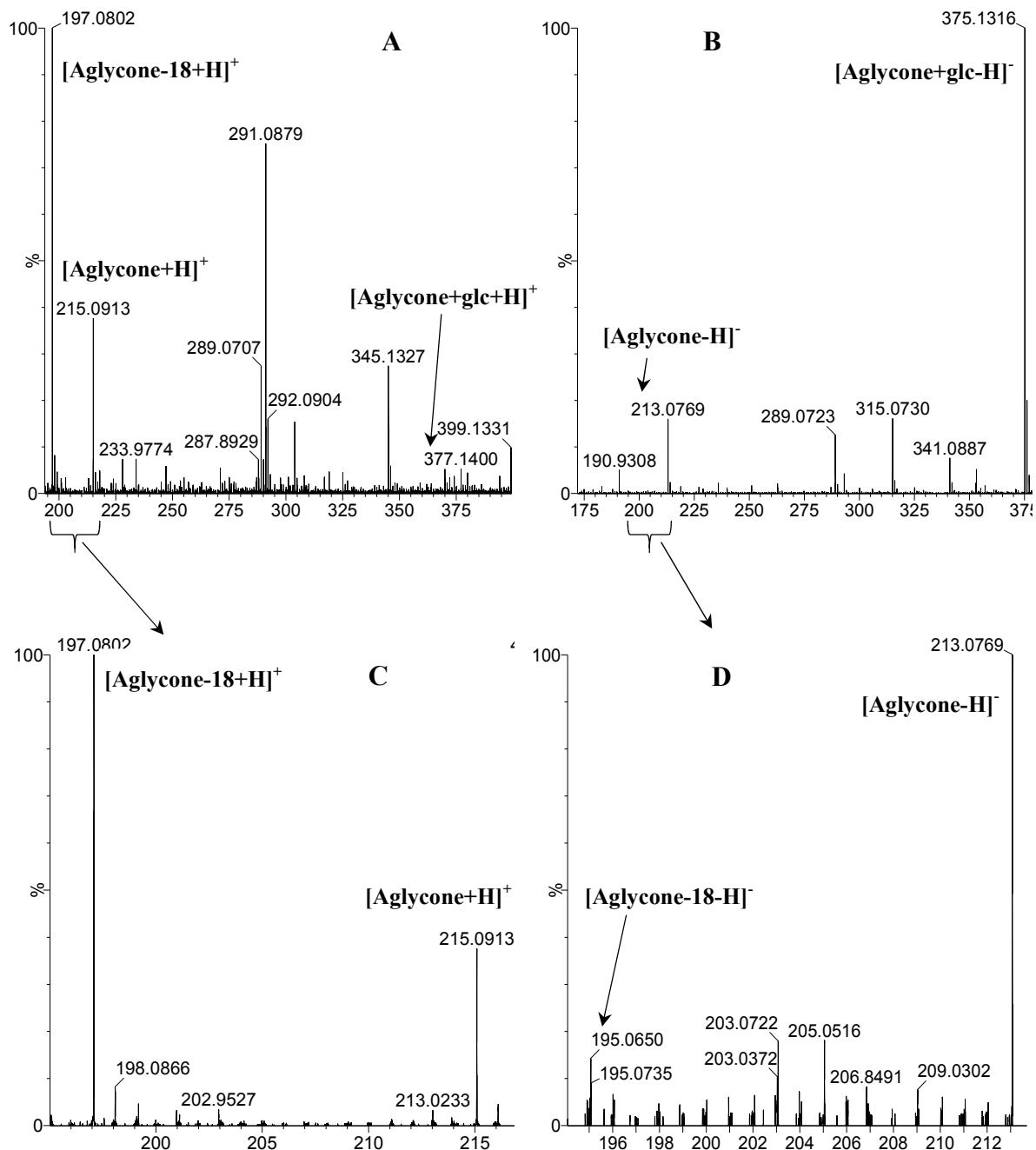
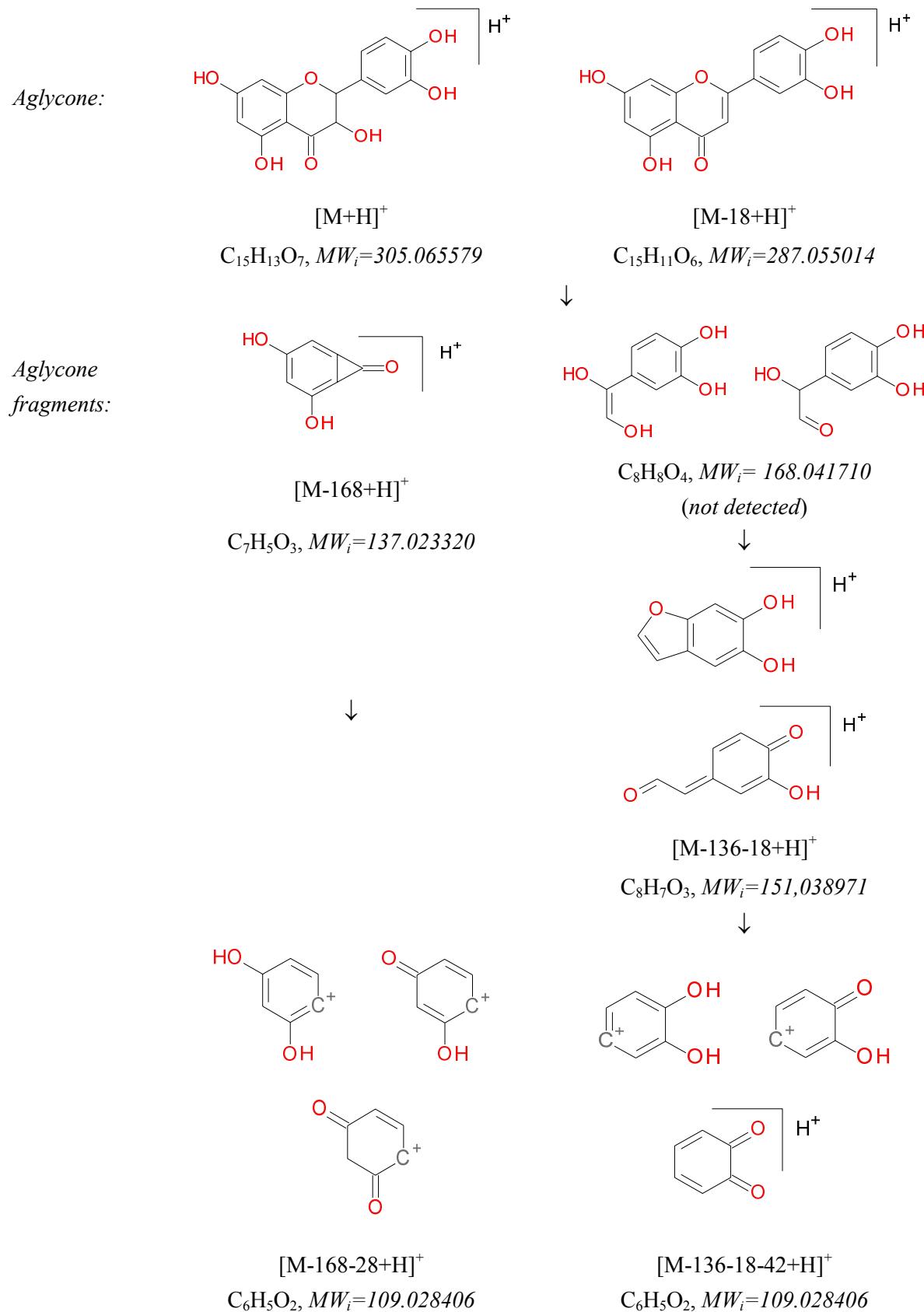


Fig. S2. UPLC-DAD chromatogram (360 nm) of compounds of methanolic extract from honeysuckle berries. The peak number corresponds to the number in Tables 1.



**Figure S3.** Mass spectra of the pseudomolecular and fragment ions of 8-*epi*-loganic acid (**3**) in positive (A, C) and negative (B, D) mode.



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26      **Table S1.** Mass errors of taxyfolin (aglycone) pseudomolecular ion and its fragment ions according  
27      to Figure S4

Formula [M+H] <sup>+</sup>	<i>MWi</i>	<i>MWi</i>	Mass error
	detected [Da]	calculated [Da]	[ppm]
C <sub>15</sub> H <sub>13</sub> O <sub>7</sub>	305.0649	305.065579	2.2
C <sub>15</sub> H <sub>11</sub> O <sub>6</sub>	287.0536	287.055014	4.9
C <sub>7</sub> H <sub>5</sub> O <sub>3</sub>	137.0236	137.023320	2.0
C <sub>8</sub> H <sub>7</sub> O <sub>3</sub>	151.0394	151.038971	2.8
C <sub>6</sub> H <sub>5</sub> O <sub>2</sub>	109.0287	109.028406	2.7

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2930      **Table S2.** Correlation between main active compounds and antioxidant activity of blue honeysuckle  
31      berries.

	DPPH	FRAP
Total of iridoids	0.23	0.22
Total of anthocyanins	0.78	0.94

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33      **Table S3.** Linear range, calibration curve, correlation coefficient R, LOD, and LOQ data for six used  
34      standards.

Standard	Linear range ( $\mu\text{g/mL}$ )	$\lambda_{\text{det}}^1$ (nm)	Calibration curve	Correlation coefficient R	LOD ( $\mu\text{g/mL}$ )	LOQ ( $\mu\text{g/mL}$ )
Cyanidin 3-O-glucoside	10 – 75	520	y=1.204x-0.931 <sup>2</sup>	0.9995	0.086	0.283
Quercetin 3-O-glucoside	20 – 150	360	y=0.606x-1.687	0.9995	0.060	0.185
Luteolin 7-O-glucoside	20 – 150	360	y=0.928x+1.468	0.9996	0.041	0.135
5-O-Caffeoylquinic	20 – 300	320	y=1.083x+0.819	0.9999	0.060	0.199
Loganic acid	20 – 300	245	y=0.361x+0.341	0.9998	1.748	5.769
Loganin	20 – 200	245	y=0.438x+0.743	0.9998	1.168	3.853

35      <sup>1</sup> $\lambda_{\text{det}}$  detection wavelength in quantification process.36      <sup>2</sup>y - peak area, x - concentration.

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