

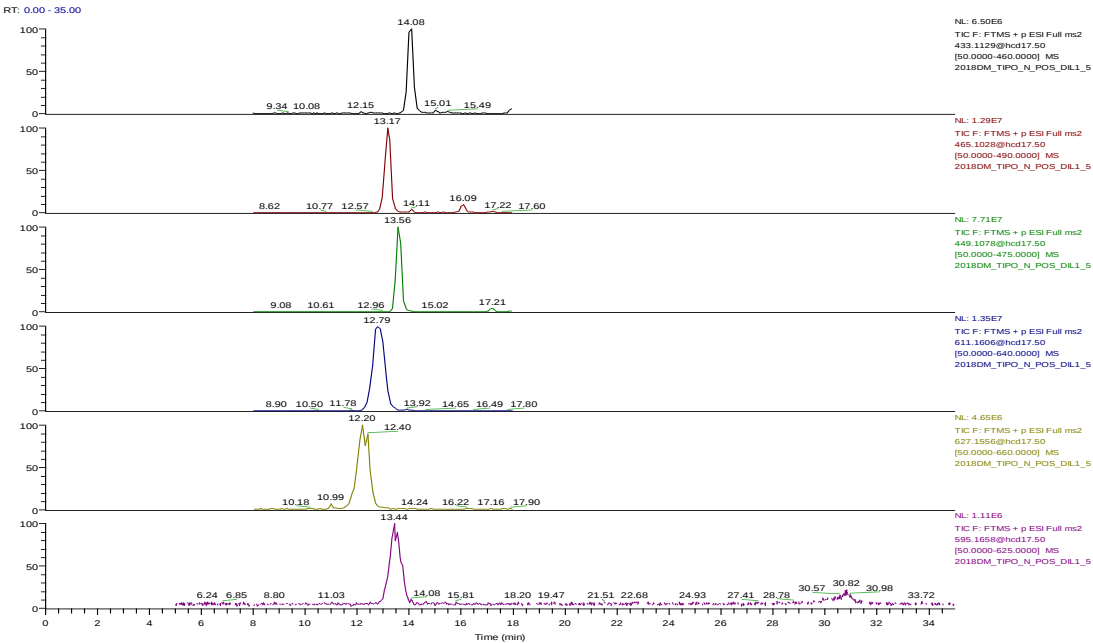
Table S1: m/z , molecular formula, linear regression model and coefficient of determination of external standards used for calibration.

Standard compounds	m/z	Molecular formula		R^2
Gallic acid	169.01344 [M-H] ⁻	C ₇ H ₆ O ₅	$Y = 1.112 \cdot 10^8 \times x$	0.9992
Rutin	609.14805 [M-H] ⁻	C ₂₇ H ₃₀ O ₁₆	$Y = 2.5720 \cdot 10^7 \times x$	0.9669
Cyanidin-3-O-glucoside	447.093 [M-2H] ⁻	C ₂₁ H ₂₁ O ₁₁	$Y = -292208 + 188967 \times x$	0.9991
Cyanidin-3-O-glucoside	449.10699 [M] ⁺	C ₂₁ H ₂₁ O ₁₁	$Y = 174092 + 100426 \times x$	0.9915
Cyanidin-3,5-O-diglucoside	611.1589 [M] ⁺	C ₂₇ H ₃₁ O ₁₆	$Y = 561671 + 170477 \times x$	0.9923

Figure S1: inclusion list with molecular formula and accurate mass of anthocyanins in positive ionization, by UHPLC–Orbitrap-MS.

[illegible]

Figure S2: retention time (min.) of anthocyanins identified in PJs.



Method editor — Inclusion List										Properties of the method	
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Mass [m/z]	Formula [M]	Species	CS [z]	Polarity	Start [min]	End [min]	(NCE)	MSX ID	Comment		
169.01426	C7H6O5	-H	1	Negative	8.00	25.00			Gallic Acid		
329.08781	C14H18O9	-H	1	Negative	8.00	25.00			Vanillic Acid Hexoxide		
356.10346	C16H20O9	-H	1	Negative	8.00	25.00			Ferulic Acid Hexoxide		
433.04125	C19H14O12	-H	1	Negative	8.00	25.00			Ellagic Acid Pentoxide		
435.12967	C21H24O10	-H	1	Negative	8.00	25.00			Phlorizin		
447.05690	C20H16O12	-H	1	Negative	8.00	25.00			Ellagic Acid Decoxy-Hexoxide		
447.09328	C21H20O11	-H	1	Negative	8.00	25.00			Kaempferol-3-O-Glucoside		
463.08820	C21H20O12	-H	1	Negative	8.00	25.00			Quercetin-3-O-Hexoxide		
483.07803	C20H20O14	-H	1	Negative	8.00	25.00			Digalloyl Hexoxide		
609.14611	C27H30O16	-H	1	Negative	8.00	25.00			Rutin		
633.07334	C27H22O18	-H	1	Negative	8.00	25.00			Corilagin		
649.06825	C27H22O19	-H	1	Negative	8.00	25.00			Lagerstannin		
783.06865	C34H24O22	-H	1	Negative	8.00	25.00			Pedunculagin		
801.07921	C34H26O23	-H	1	Negative	8.00	25.00			Punigluconin		
951.07452	C41H28O27	-H	1	Negative	8.00	25.00			Granatin B		

Figure S4: retention time (min.) of phenolic acids, flavonoids and tannins identified in PJs.

