

Table S1. Spectral and chromatographic data regarding to the bioactive compounds identified in mango and its by-products by HPLC-DAD-q-TOF-MS.

Proposed Compounds	m/z experimental (M-H) ⁻	m/z calculated (M-H) ⁻	Molecular formula	Error (ppm)	Score (%)	Standard for quantification
Gallic acid	169.015	169.014	C ₇ H ₆ O ₅	-1.36	99.41	Gallic acid
Galloylglucose	331.068	331.067	C ₁₃ H ₁₆ O ₁₀	-7.4	83.25	Gallic acid
Galloyl diglucoside	493.121	493.120	C ₁₉ H ₂₆ O ₁₅	-0.86	97.75	Gallic acid
Methylgallate	183.030	183.030	C ₈ H ₈ O ₅	-4.59	95.09	Gallic acid
Galloylquinic acid	343.068	343.067	C ₁₄ H ₁₆ O ₁₀	-4.51	90.63	Gallic acid
Digallic acid	321.026	321.025	C ₁₄ H ₁₀ O ₉	-1.00	94.15	Gallic acid
Digalloylglucose	483.079	483.078	C ₂₀ H ₂₀ O ₁₄	-6.04	83.94	Gallic acid
Methyl-digallate	355.041	335.041	C ₁₅ H ₁₂ O ₉	-6.02	86.26	Gallic acid
Digalloylquinic acid	495.079	495.078	C ₂₁ H ₂₀ O ₁₄	-2.57	94.29	Gallic acid
Trigalloylglucose	635.091	635.089	C ₂₇ H ₂₄ O ₁₈	-0.76	88.22	Gallic acid
Tetragalloylglucose	787.101	787.100	C ₃₄ H ₂₈ O ₂₂	3.44	88.48	Gallic acid
Pentagalloylglucose	939.112	939.111	C ₄₁ H ₃₂ O ₂₆	-5.68	89.62	Gallic acid
Hexagalloylglucose	1091.124	1091.122	C ₄₈ H ₃₆ O ₃₀	-2.41	94.41	Gallic acid
Vanillic acid glucoside	329.088	329.088	C ₁₄ H ₁₈ O ₉	-1.20	82.97	Vanillic acid
p-Hydroxybenzoic acid glucoside	299.078	299.077	C ₁₃ H ₁₆ O ₈	-2.64	96.20	Gallic acid
Dihydroxybenzoic acid glucoside	315.073	315.072	C ₁₃ H ₁₆ O ₉	-4.55	92.28	Gallic acid
Hydroxybenzoyl galloyl glucoside	451.089	451.088	C ₂₀ H ₂₀ O ₁₂	-2.70	93.37	Gallic acid
Coumaric acid glucoside	325.093	325.093	C ₁₅ H ₁₈ O ₈	-1.63	93.54	Coumaric acid
Coumaroyl galloyl glucoside	477.104	477.104	C ₂₂ H ₂₂ O ₁₂	-3.81	90.91	Gallic acid
Ferulic acid hexoside	355.104	355.104	C ₁₆ H ₂₀ O ₉	-2.60	96.28	Ferulic acid
Sinapic acid hexoside-pentoside	517.230	517.229	C ₂₄ H ₃₈ O ₁₂	-6.40	80.21	Ferulic acid
Dihydro sinapic acid hexoside-pentoside	519.246	519.245	C ₂₄ H ₄₀ O ₁₂	-4.61	88.79	Ferulic acid
Ellagic acid	300.999	300.999	C ₁₄ H ₆ O ₈	-1.20	98.75	Ellagic acid
Catechin	289.073	289.072	C ₁₅ H ₄ O ₆	-3.77	94.78	Catechin
Quercetin glucoside	463.089	463.088	C ₂₁ H ₂₀ O ₁₂	-2.11	97.02	Quercetin
Quercetin galactoside	463.089	463.088	C ₂₁ H ₂₀ O ₁₂	-0.91	97.95	Quercetin
Quercetin xyloside	433.078	433.078	C ₂₀ H ₁₈ O ₁₁	-0.78	95.52	Quercetin
Quercetin arabinopyranoside	433.078	433.78	C ₂₀ H ₁₈ O ₁₁	-0.59	99.76	Quercetin
Rhamnetin hexoside	477.105	477.104	C ₂₂ H ₂₂ O ₁₂	-1.73	97.39	Quercetin
7-O-galloyltricetilflavan	441.083	441.083	C ₂₂ H ₁₈ O ₁₀	-1.29	98.28	Gallic acid
Mangiferin	421.078	421.078	C ₁₉ H ₁₈ O ₁₁	-1.90	98.02	Mangiferin
Maclurin C-glucoside	423.094	423.093	C ₁₉ H ₂₀ O ₁₁	-1.67	98.48	Mangiferin
Maclurin galloyl glucoside	575.105	575.104	C ₂₆ H ₂₄ O ₁₅	-0.81	99.49	Mangiferin
Maclurin digalloyl glucoside	727.116	727.115	C ₃₃ H ₂₈ O ₁₉	-0.58	99.61	Mangiferin
Iriflophenone glucoside	407.099	407.098	C ₁₉ H ₂₀ O ₁₀	-1.21	98.76	Mangiferin