

Table S1 Parameters of all the molecules monitored with the MRM method

Compound	Precursor ion Q1 (m/z)	Product ion Q2 (m/z)	CE (V)	Retention time (min)
Gallic acid 1	169	124.9	−20	1.89
Gallic acid 2	169	78.9	−30	1.89
3,4-Dihydroxybenzoic acid 1	153	108.9	−20	3
3,4-Dihydroxybenzoic acid 2	153	65	−26	3
Chlorogenic acid 1	352.9	190.8	−26	3.45
Chlorogenic acid 2	352.9	84.9	−26	3.45
Caffeic acid 1	179	135	−22	3.75
Caffeic acid 2	179	107	−32	3.75
Syringic acid 1	197	181.9	−18	3.8
Syringic acid 2	197	122.9	−30	3.8
Daidzin 1	415.1	251.9	−38	3.96
Daidzin 2	415.1	222.8	−38	3.96
Rutin 1	609	300.3	−46	4.01
Rutin 2	609	270.9	−46	4.01
Ellagic acid 1	301	284	−40	4.27
Ellagic acid 2	301	229	−38	4.27
p-Coumaric acid 1	163	119	−20	4.33
p-Coumaric acid 2	163	92.9	−42	4.33
Salicylic acid 1	137	93	−16	4.46
Salicylic acid 2	137	75	−40	4.46
Vanillin 1	150.9	136.1	−18	4.65
Vanillin 2	150.9	91.9	−26	4.65
Cynarin 1	515	353	−28	4.68

Cynarin 2	515	191	-42	4.68
m-Coumaric acid 1	163	119	-20	4.72
m-Coumaric acid 2	163	92.9	-42	4.72
Ferulic acid 2	193	177.9	-18	4.74
Ferulic acid 1	193	134	-22	4.74
Sinapic acid 1	223.1	164	-22	4.78
Sinapic acid 2	223.1	148.9	-28	4.78
Rosmarinic acid 1	358.9	160.9	-22	4.8
Rosmarinic acid 2	358.9	132.6	-40	4.8
Naringin	579	271	-32	5.03
Quercetin 1	301	121	-34	7.08
Quercetin 2	301.1	150.9	-30	7.08
trans-cinnamic-d7 acid	153.9	110	-16	7.4
trans-cinnamic acid 1	146.9	77	-28	7.53
trans-cinnamic acid 2	146.9	103	-14	7.53
Apigenin 1	269.9	116.9	-42	8.33
Apigenin 2	269.9	150.9	-34	8.33
Genistein 1	269	133	-30	8.42
Genistein 2	269	159	-40	8.42
Naringenin 1	271	150.9	-24	8.51
Naringenin 2	271	118.9	-34	8.51

Table S2. Phenolic compounds profile in dried mushrooms (Enoki and Maitake) identified using the LC-MS/MS technique

Polyphenolic Compound	Enoki	Maitake
[ng *10 ³ /g DW]		
3,4-Dihydroxybenzoic acid	1.66 ± 0.12 ^a	10.15 ± 0.39 ^b
Caffeic acid	<0.5	10.74 ± 0.81
Syringic acid	<0.5	12.19 ± 0.45
Daidzin	n.d	n.d
Rutin	<0.5	<0.5
Ellagic acid	<0.5	3.57 ± 0.52
<i>p</i> -Coumaric acid	0.64 ± 0.06 ^a	15.67 ± 0.64 ^b
Salicylic acid	<0.5	<0.5
Vanillin	<0.5	6.97 ± 0.74
Ferulic acid	0.75 ± 0.20 ^a	36.58 ± 3.79 ^b
Sinapic acid	<0.5	0.52 ± 0.08
Rosmarinic acid	n.d	n.d
<i>t</i> -Cinnamic acid	<0.5	n.d
Genistein	<0.5	<0.5
Naringenin	<0.5	0.57 ± 0.06

<0.5 [μg/g DW] below the limit of determination of the lowest calibration point; n.d.—not detected. Samples with different superscripts within a row are significantly different at $p \leq 0.05$.