Table S1 UHPLC-HR-ESI-MS/MS data of potato constituents detected in sourdough bread + purple potatoes (SB+P) and baker's yeast bread + purple potatoes (YB+P).

Peak*	Compound	t_R (min)	HR-$[M-H]^-$ (m/z)	HR-$[M+H]^+$ (m/z)	Negative Product Ions (m/z)**	Positive Product Ions (m/z)**	Error (ppm)
1	Saccharose	0.5	377.0857 ($[M+HCOO]^-$)	381.0786 ($[M+K]^+$)	341.10, 179.05	219.03	-1.84
2	Citric acid isomer I	0.6	191.0192		173.01, 129.02, **111.01**, 87.01, 85.03		-2.61
3	Citric acid isomer II	0.7	191.0192		173.01, 129.02, **111.01**, 87.01, 85.03		-2.61
4	Caffeoylquinic acid isomer I	2.9	353.0877		**191.05**, 179.03, 135.04		-0.28
5	Caffeoylquinic acid isomer II	3.0	353.0877		**191.05**, 179.03, 135.04		-2.23
6	Caffeic acid	4.5	179.0345		135.0444		
7	Caffeoylquinic acid isomer III	4.7	353.0877	355.1018	**191.05**, 179.03, 173.045, 135.04	**163.04**, 135.04, 89.04	-0.28
8	Leucine/isoleucine	0.6		132.1019		**86.09**, 69.07	0
9	Tyrosine	0.7		182.0811		**165.05**, 136.07, 123.04, 91.05	-3.29
10	Phenylalanine	1.7		166.0861		**120.08**, 103.05, 91.05	-0.60
11	Tryptophan	2.9		205.0970		**188.07**, 146.06, 118.07, 91.05	-0.49
12	α-Chaconine	15.3		852.5081		706.45, 544.37, 398.33	-2.58
13	α-Solanine	15.3		868.5036		722.44, 398.34	-1.96

*Peak numbers correspond with those in Figure 2. ** The base ion peaks generated in the ESI-MS/MS experiments are shown in bold.