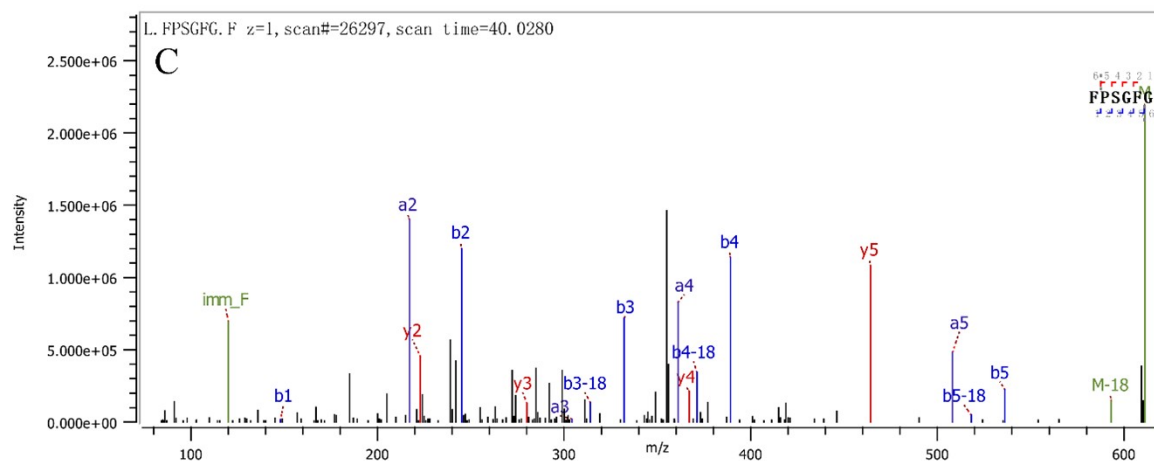
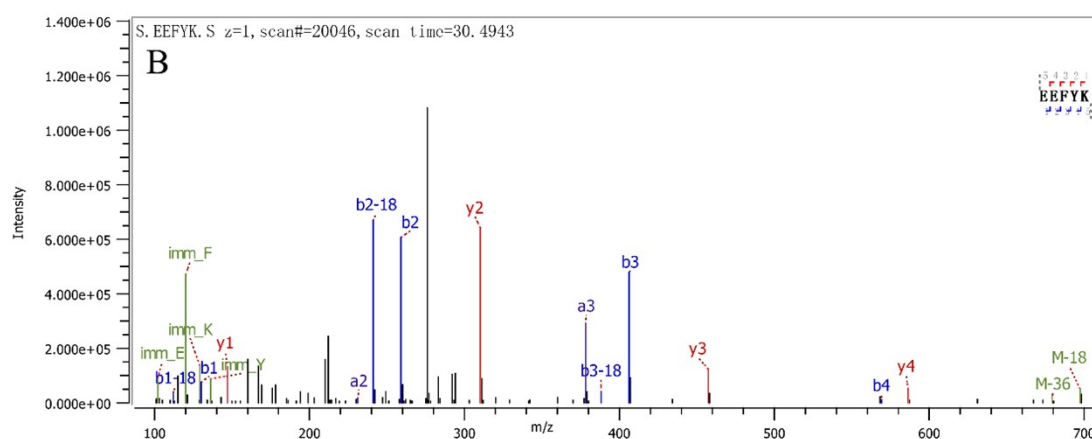
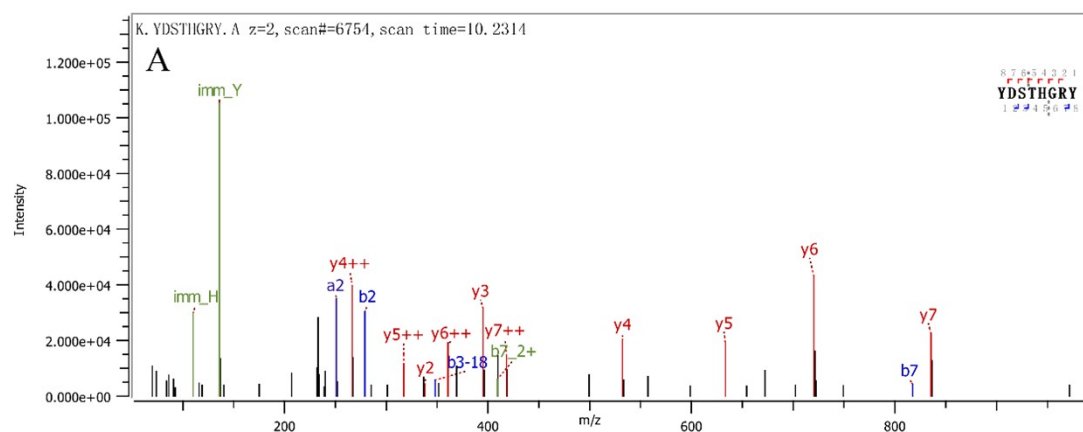
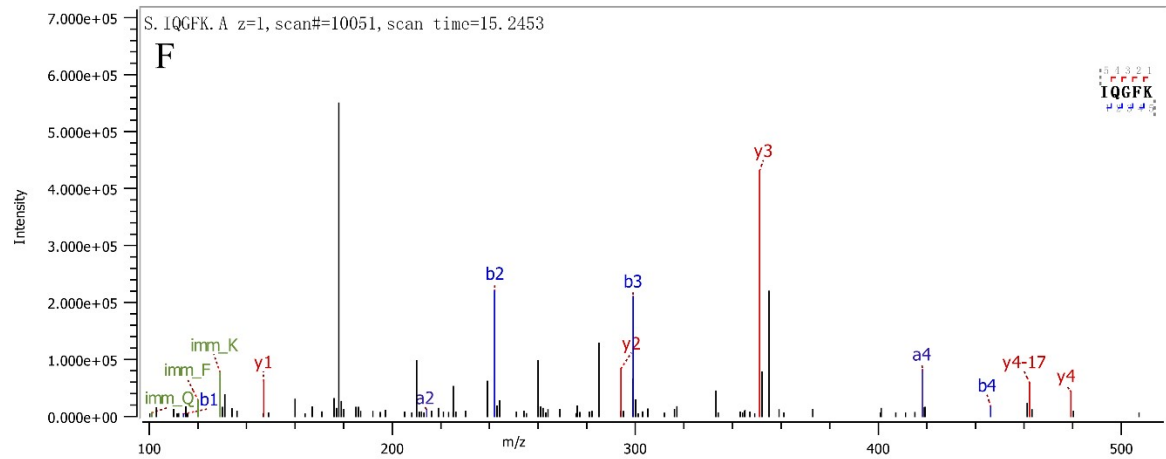
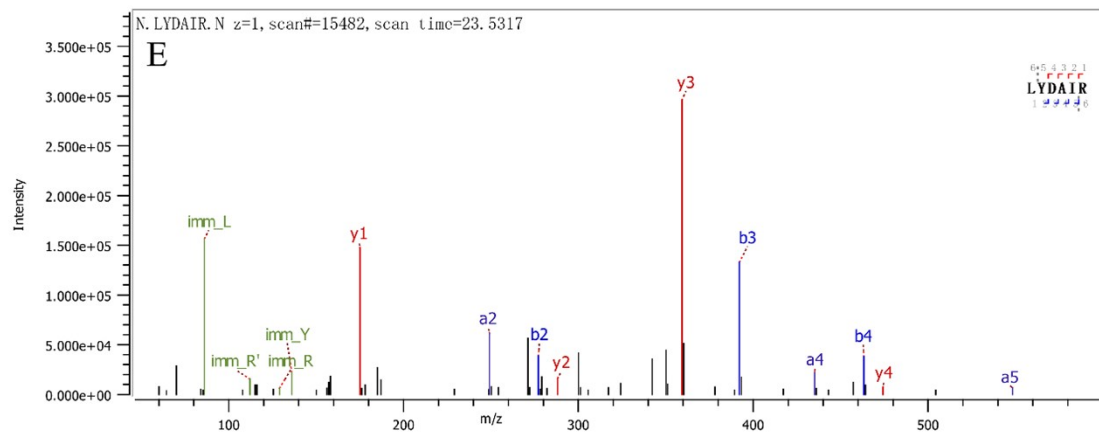
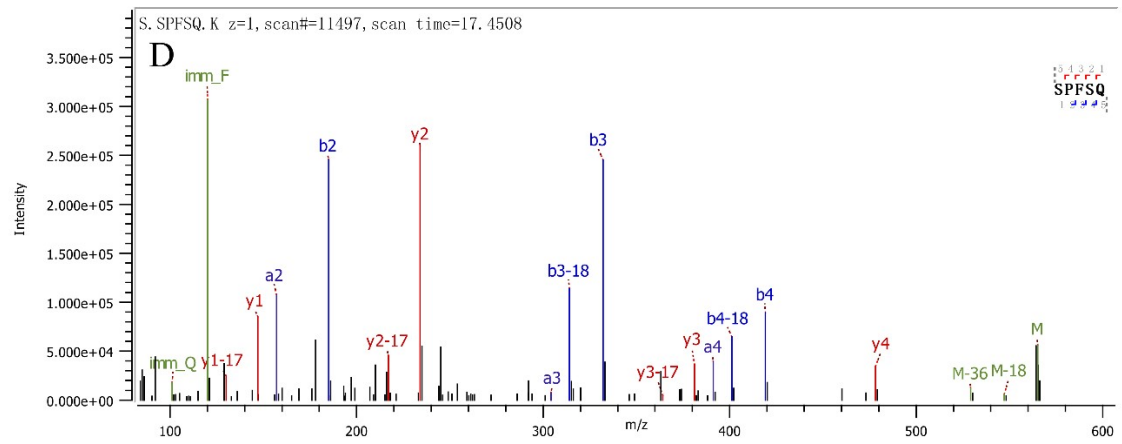
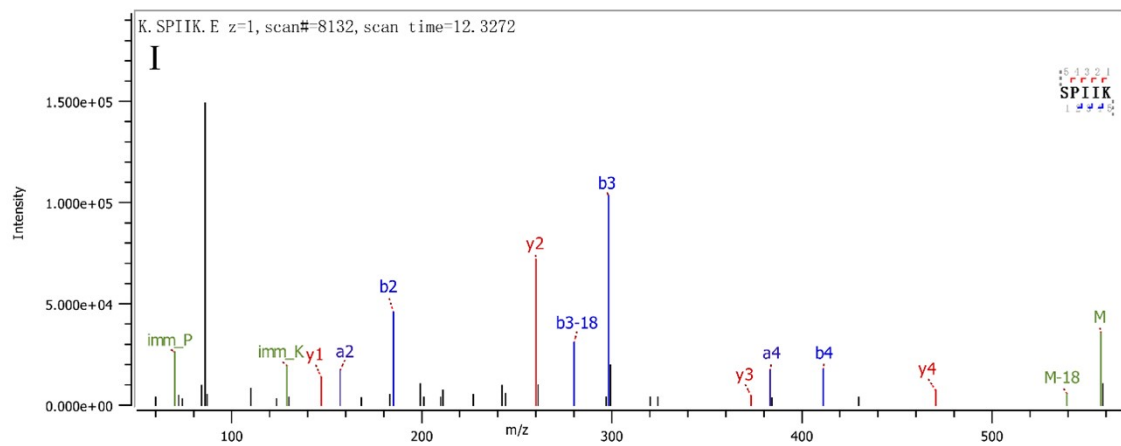
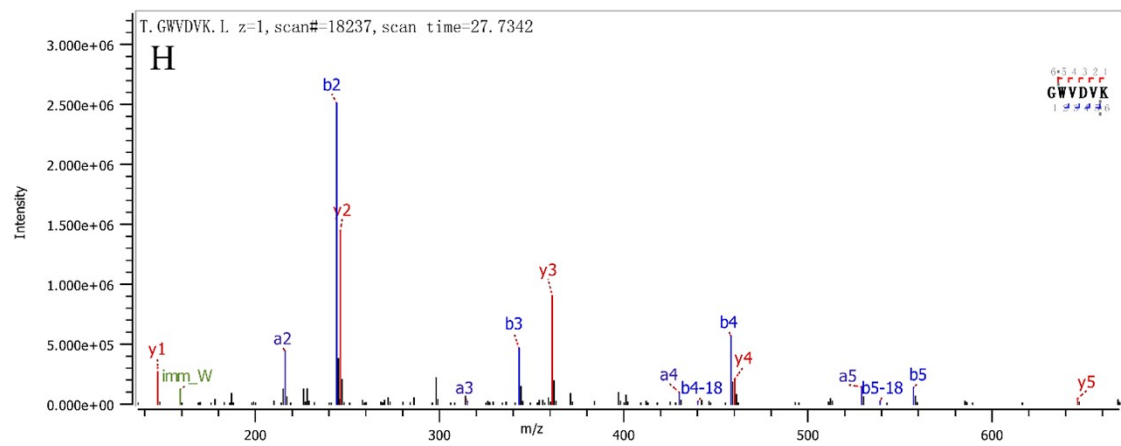
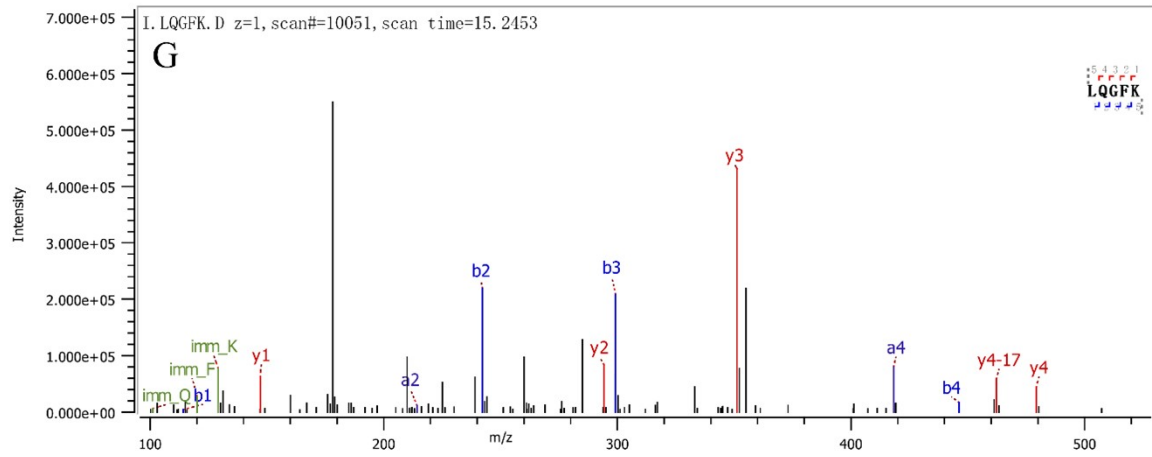


Supplemently documents







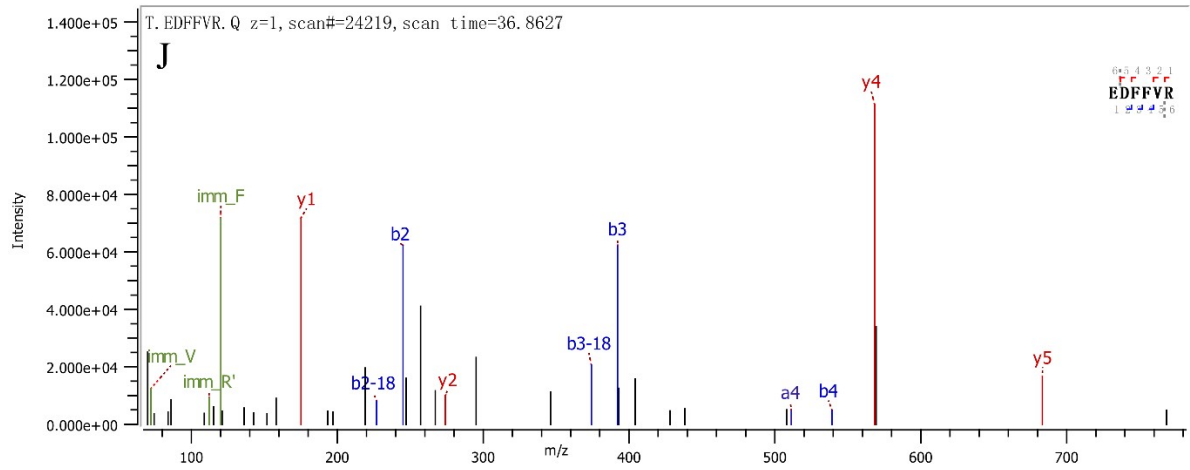


Figure S1. Mass spectrometry of YDSTHGRY (m/z 499.719, A), EEFYK(m/z 477.2, B), FPSGFG(m/z 431.2, C), SPFSQ(m/z 398.7, D), LYDAIR(m/z 397.4, E), IQGFK(m/z 394.6, F), LQGFK(m/z 394.6, G), GWVDVK(m/z 393.7, H), SPIIK(m/z 388.1, I), EDFFVR(m/z 382.8, J).

Table S1 Electronic tongue results, the values within the same column followed by different superscript letters are significantly different.

Samples	Sourness	Bitterness	Aftertaste-B	Astringency	Aftertaste-A	Sweetness	Umami	Richness	Saltiness
Blank chicken broth	-47.73±0 ^a	1.21±0 ^b	-7.02±0 ^b	-1.35±0 ^b	-0.26±0 ^a	0.83±0 ^a	15.06±0 ^d	2.98±0 ^c	5.02±0 ^b
+GSH	-54.93±0.5 ^c	2.5±0.07 ^a	-7.05±0.05 ^b	-0.38±0.06 ^a	-0.99±0.05 ^b	0.61±0.03 ^b	17.41±0.06 ^a	5.13±0.21 ^{ab}	5.25±0.39 ^c
+IQGFK	-52.98±0.4 ^b	1.26±0.01 ^b	-6.85±0.03 ^a	-1.6±0.05 ^c	-0.33±0.01 ^a	0.41±0.03 ^c	17.09±0.04 ^b	4.95±0.13 ^b	7.05±0.22 ^a
+EDFFVR	-51.96±0.21 ^b	-1.36±0.02 ^c	-8.51±0.02 ^c	-1.58±0.04 ^c	-0.31±0 ^a	-0.43±0.04 ^d	16.35±0.01 ^c	5.46±0.1 ^a	6.87±0.14 ^a