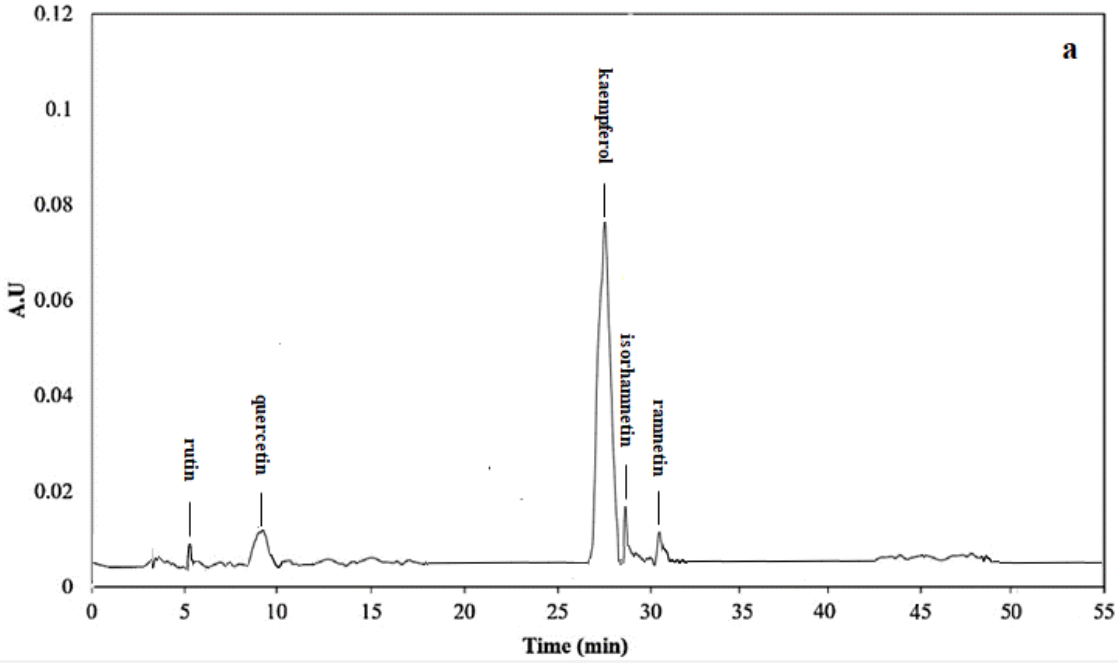
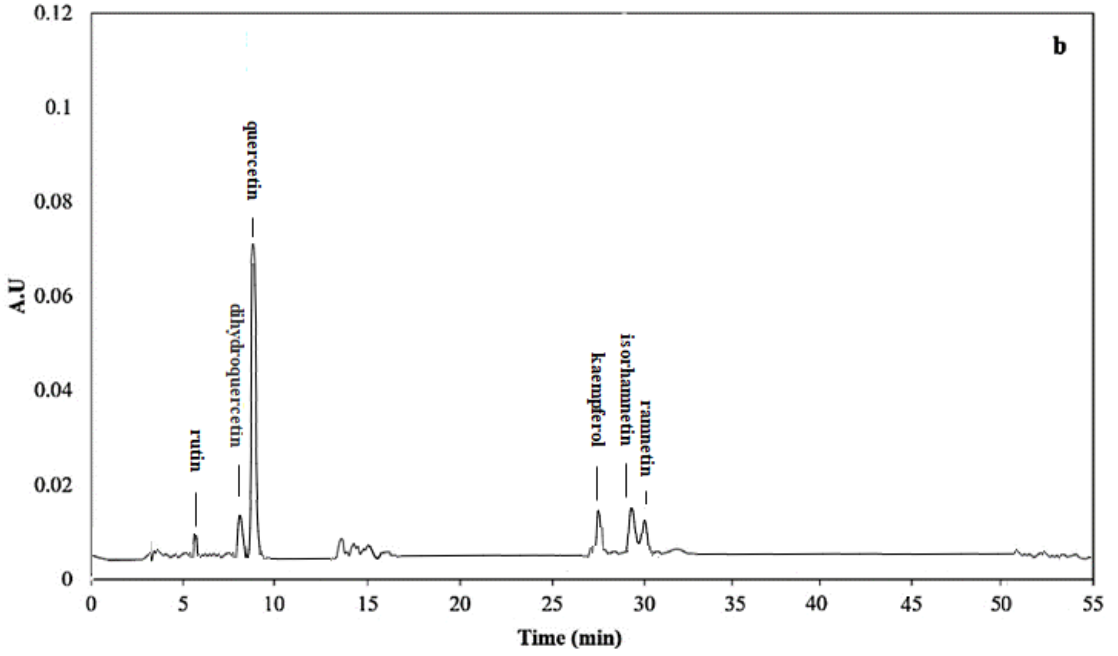
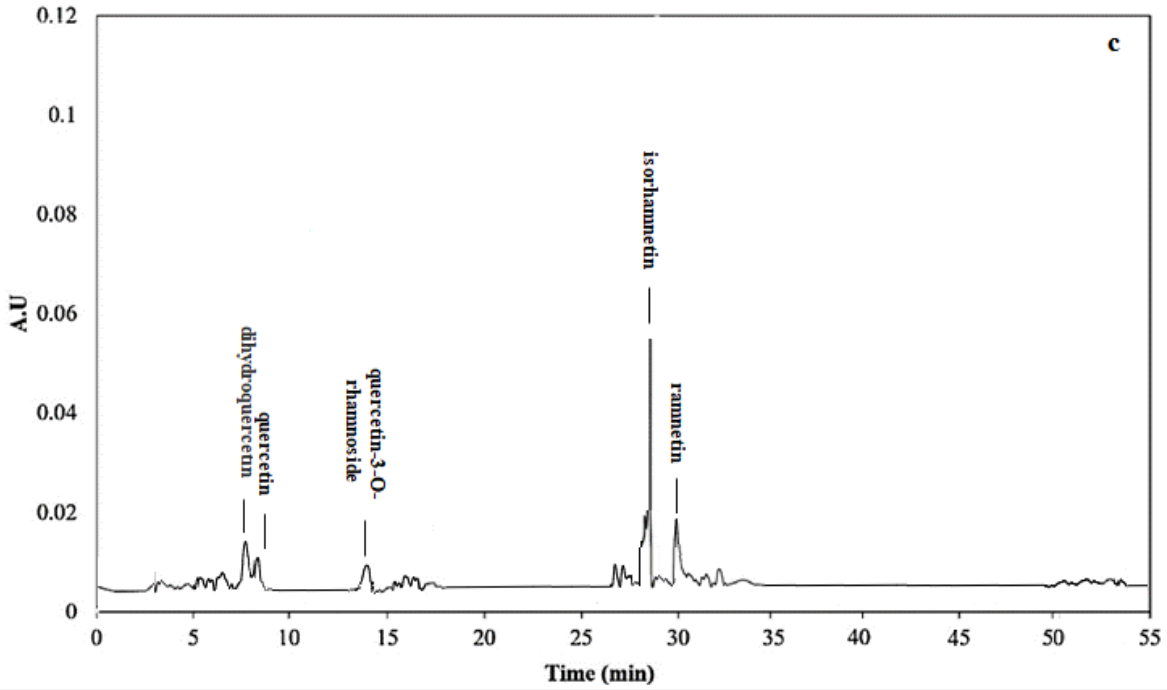
Figure S1: HPLC chromatograms of fractions. (A) Fraction 4; (B) fractions 6-8; (C) fraction 10; (D) fraction 12; (E) fraction 14; (F) fractions 16-17; (G) fractions 20-22; (H) fraction 24.



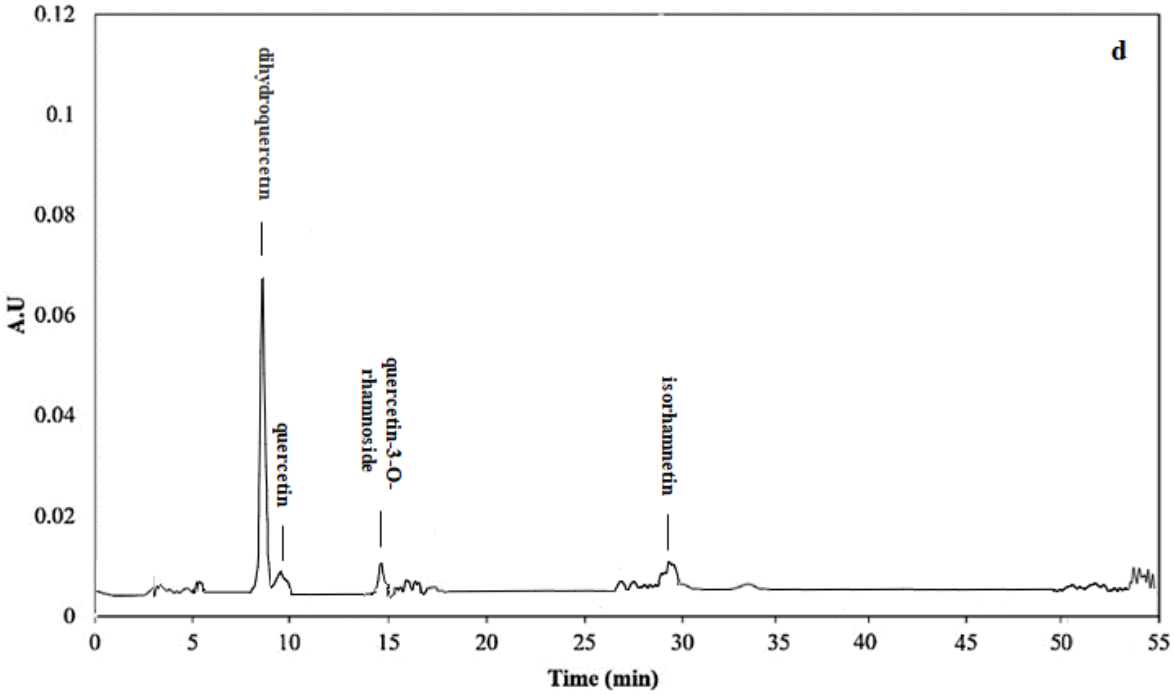
(A)



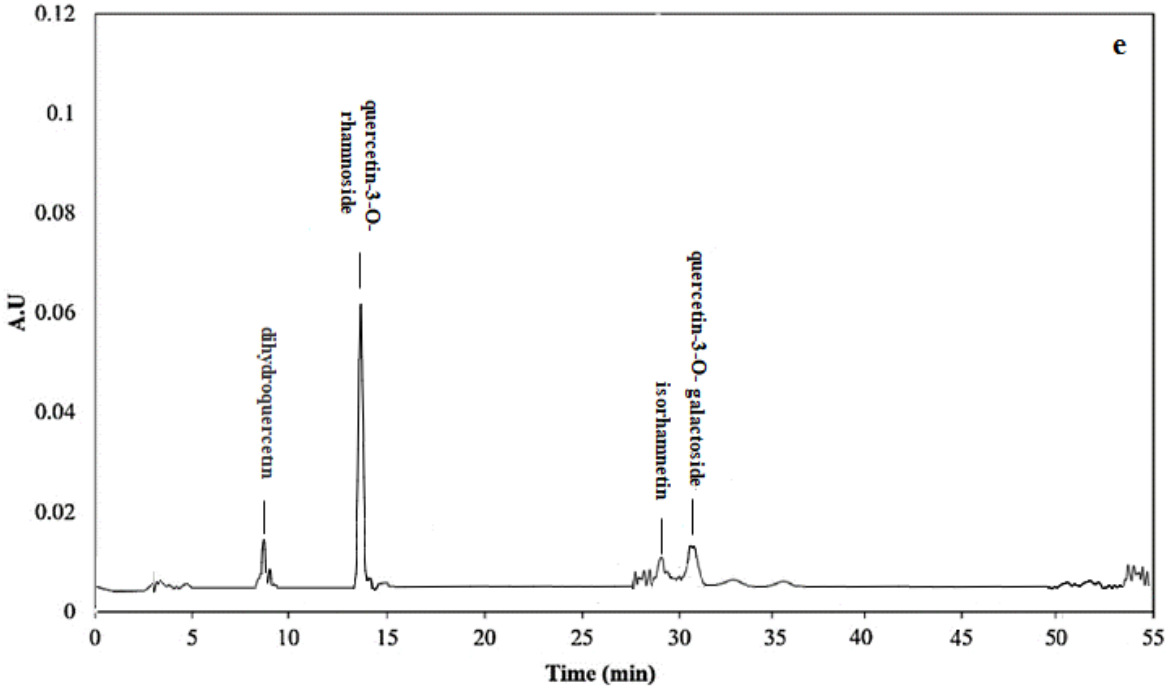
(B)


c
A.U
Time (min)
dihydroquercetin
quercetin
quercetin-3-O-rhamnoside
isorhamnetin
rannetin

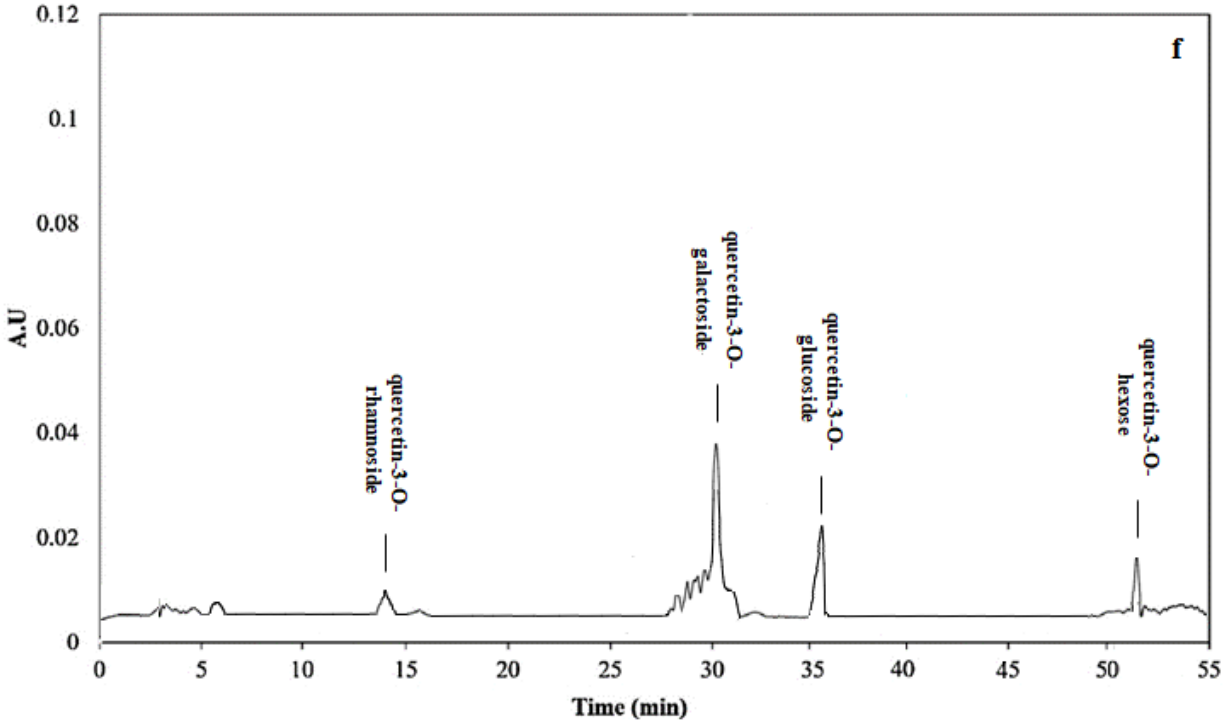
(C)


d
A.U
Time (min)
dihydroquercetin
quercetin
quercetin-3-O-rhamnoside
isorhamnetin

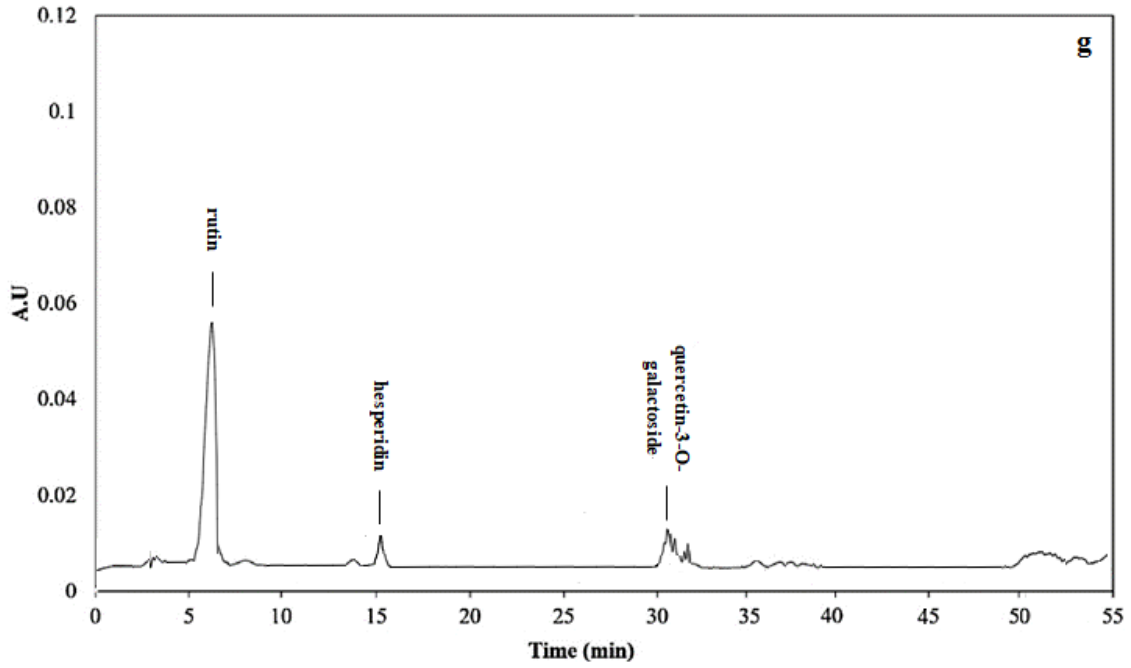
(D)


e
A.U
Time (min)
dihydroquercetin
quercetin-3-O-rhamnoside
isorhamnetin
quercetin-3-O- galactoside

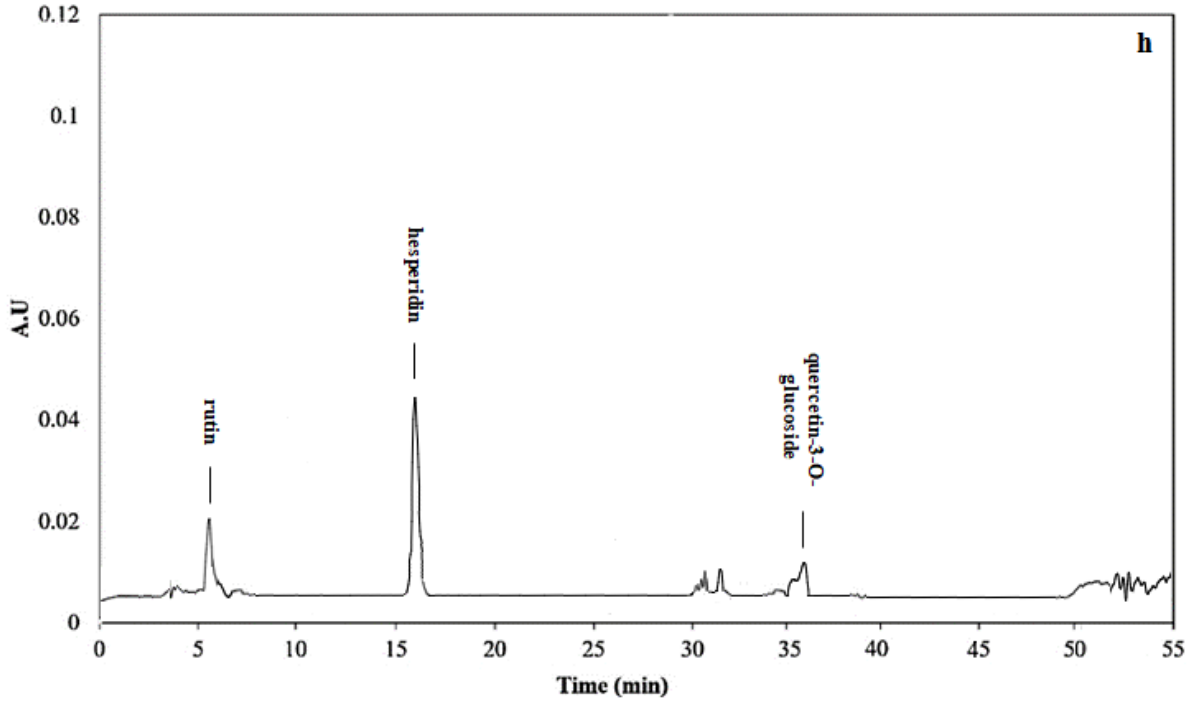
(E)


f
A.U
Time (min)
quercetin-3-O-rhamnoside
quercetin-3-O-galactoside
quercetin-3-O-glucoside
quercetin-3-O-hexose

(F)

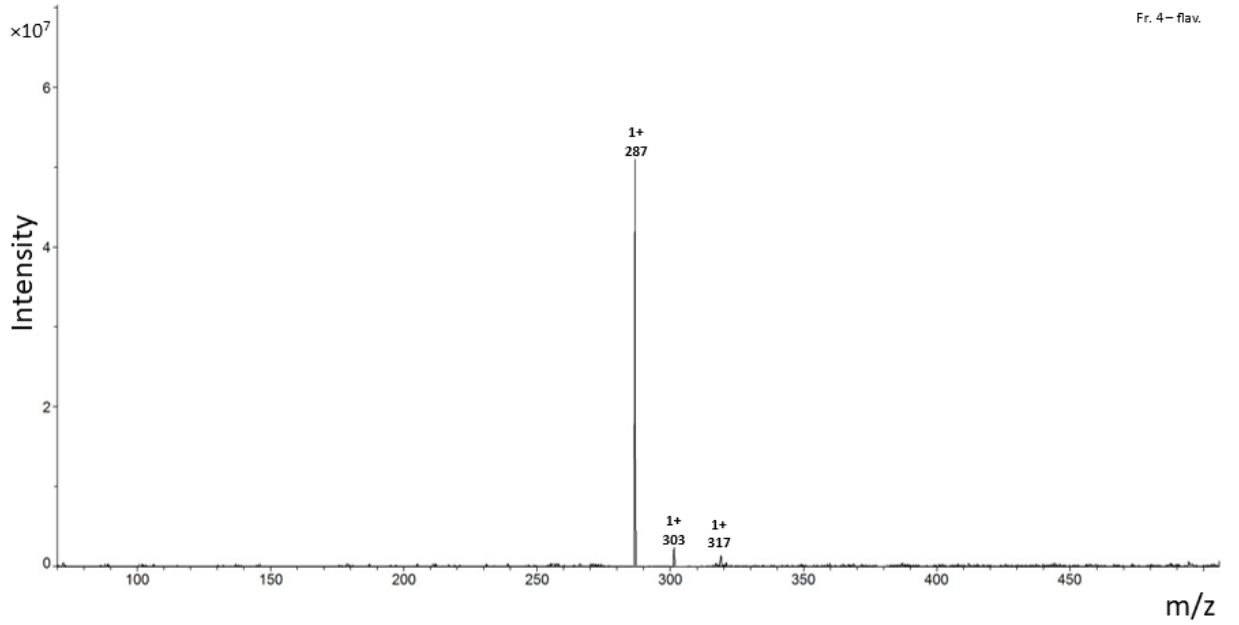

g
A.U
Time (min)
rutin
hesperidin
quercetin-3-O-galactoside

(G)

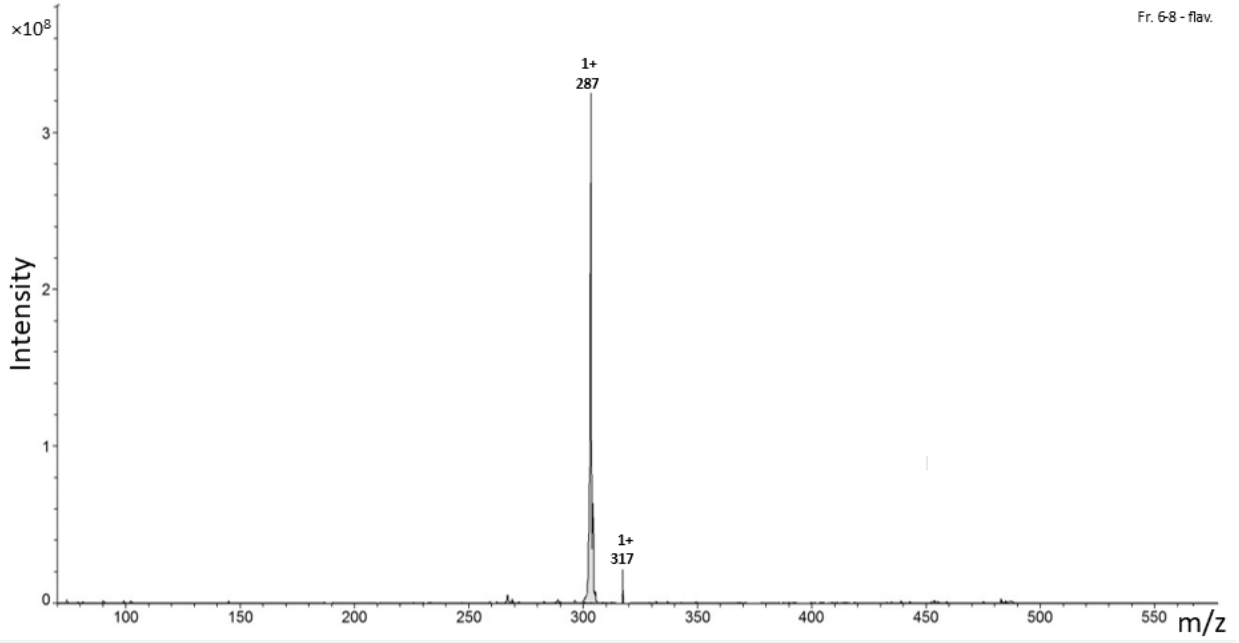

h
A.U
Time (min)
rutin
hesperidin
quercetin-3-O-glucoside

(H)

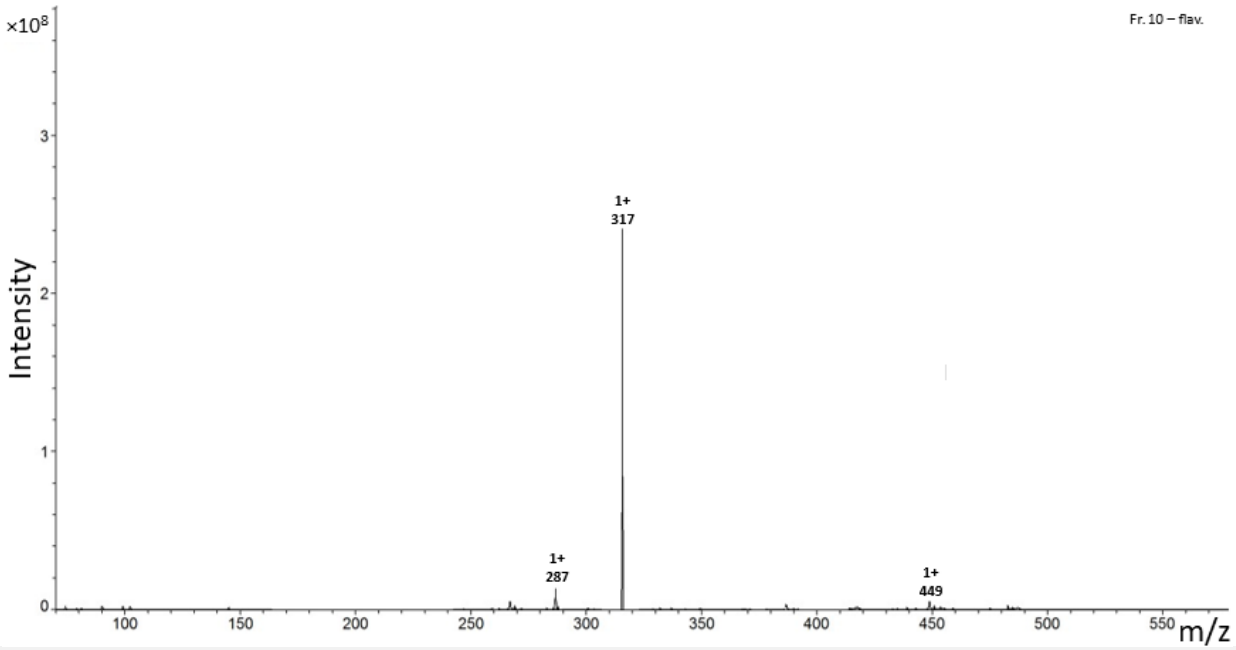
Figure S2: Electrospray ionization (ESI) mass spectra of flavonol fractions. (A) Fraction 4; (B) fractions 6-8; (C) fraction 10; (D) fraction 12; (E) fraction 14; (F) fractions 16-17; (G) fractions 20-22; (H) fraction 24.



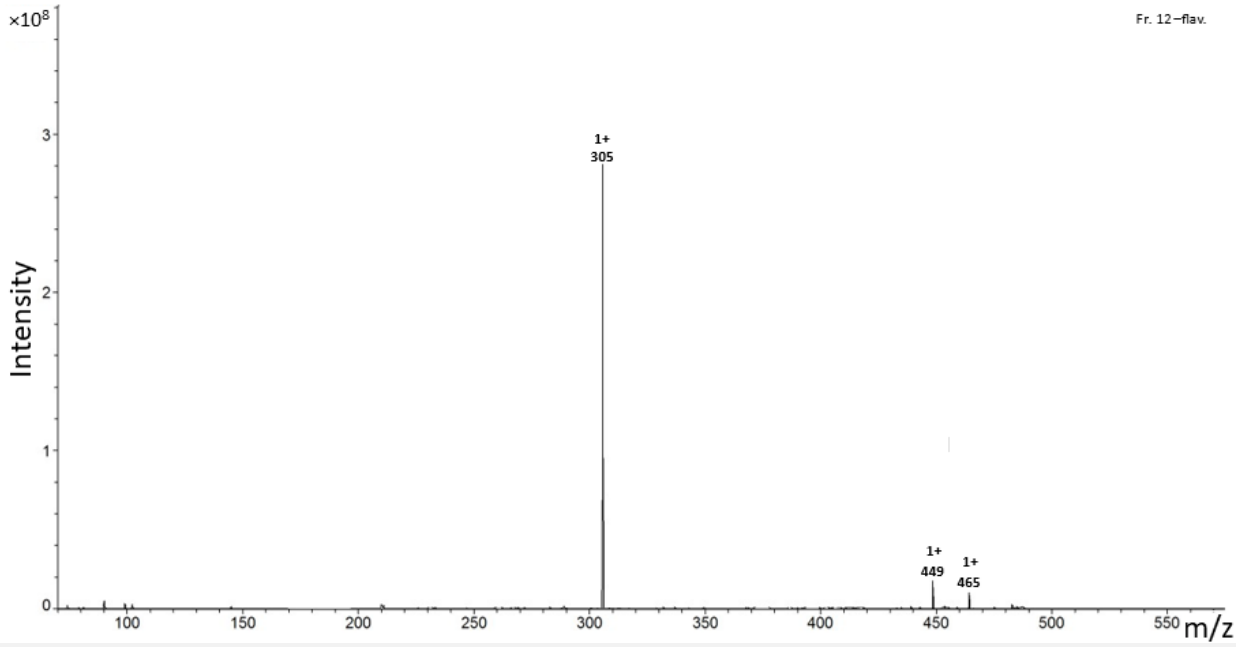
(A)



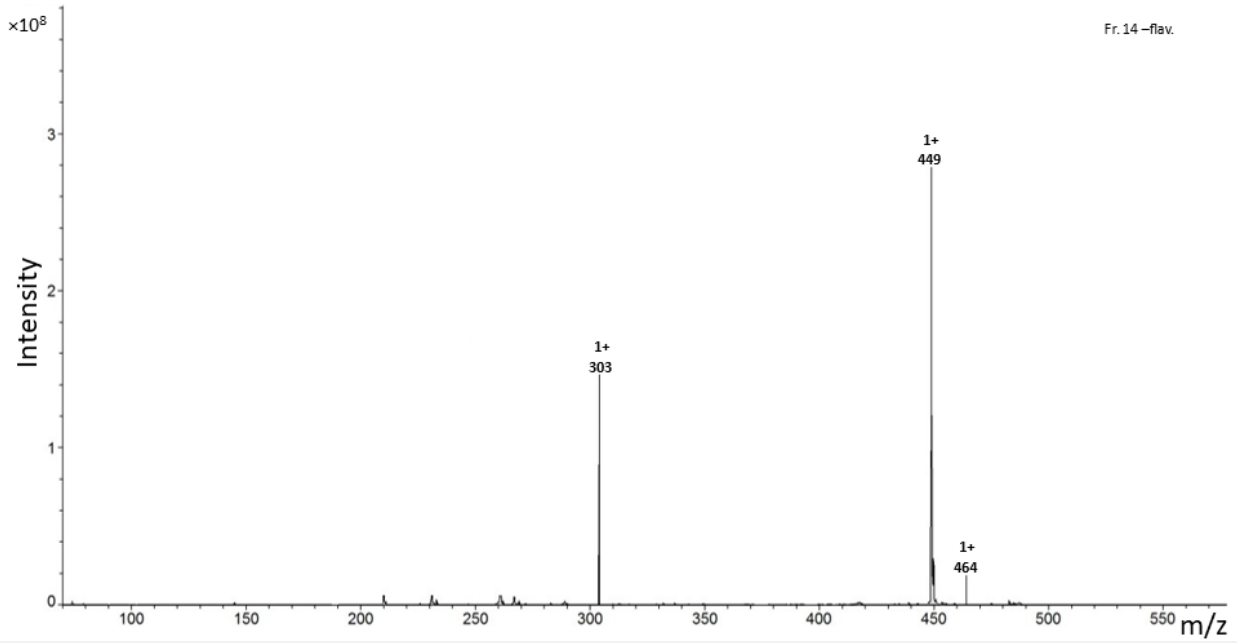
(B)


Fr. 10 – flav.
×10^8
Intensity
1+
317
1+
287
1+
449
m/z

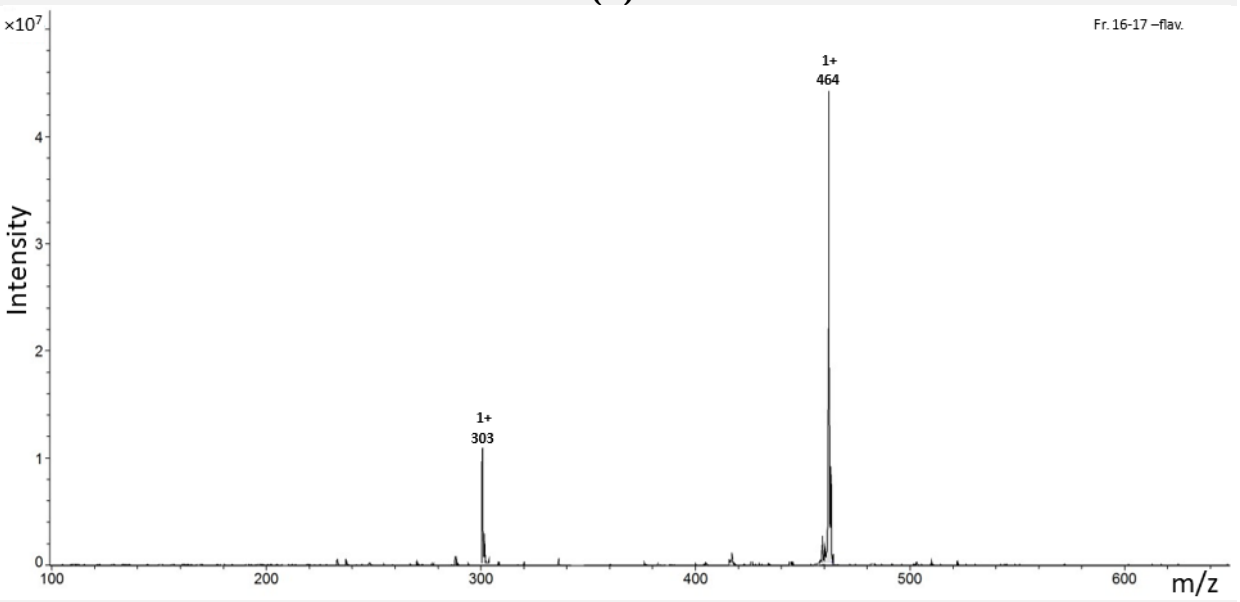
(C)


Fr. 12 –flav.
×10^8
Intensity
1+
305
1+
449
1+
465
m/z

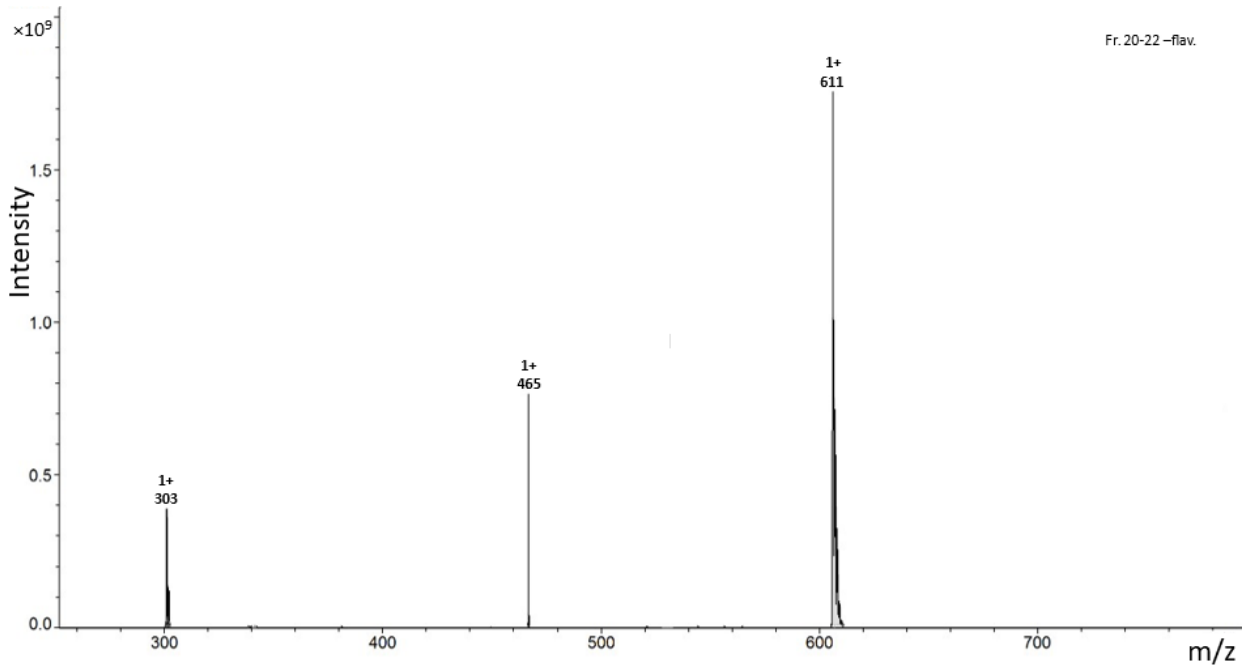
(D)


×10^8
Fr. 14 –flav.
Intensity
1+
449
1+
303
1+
464
m/z

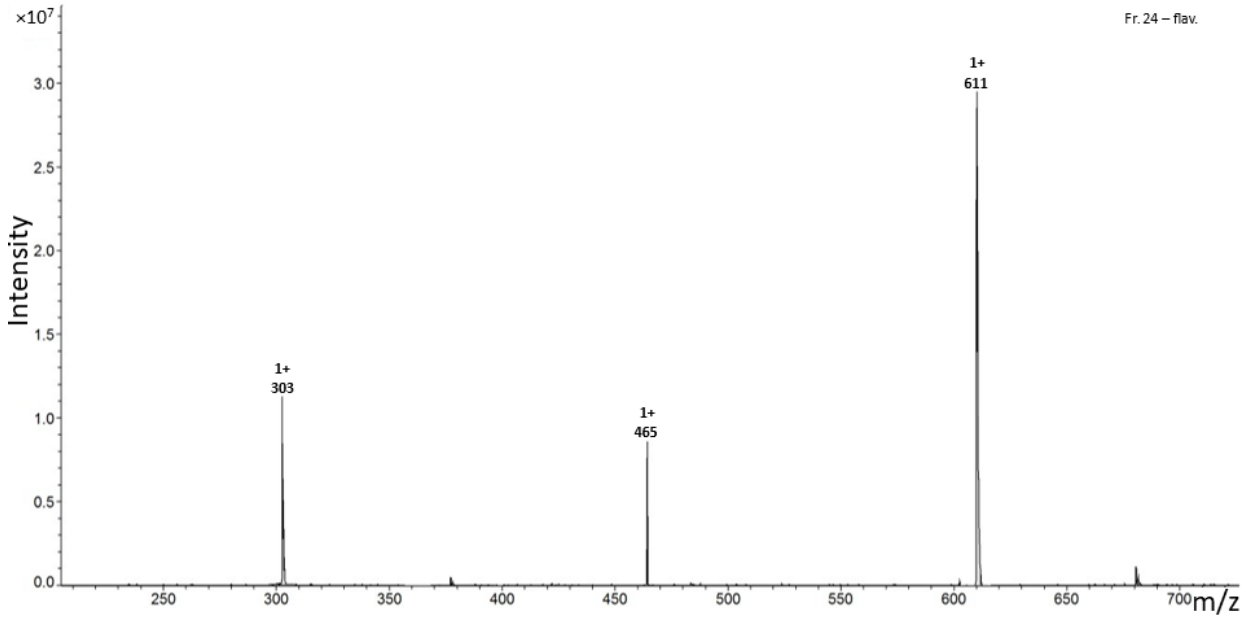
(E)


×10^7
Fr. 16-17 –flav.
Intensity
1+
464
1+
303
m/z

(F)

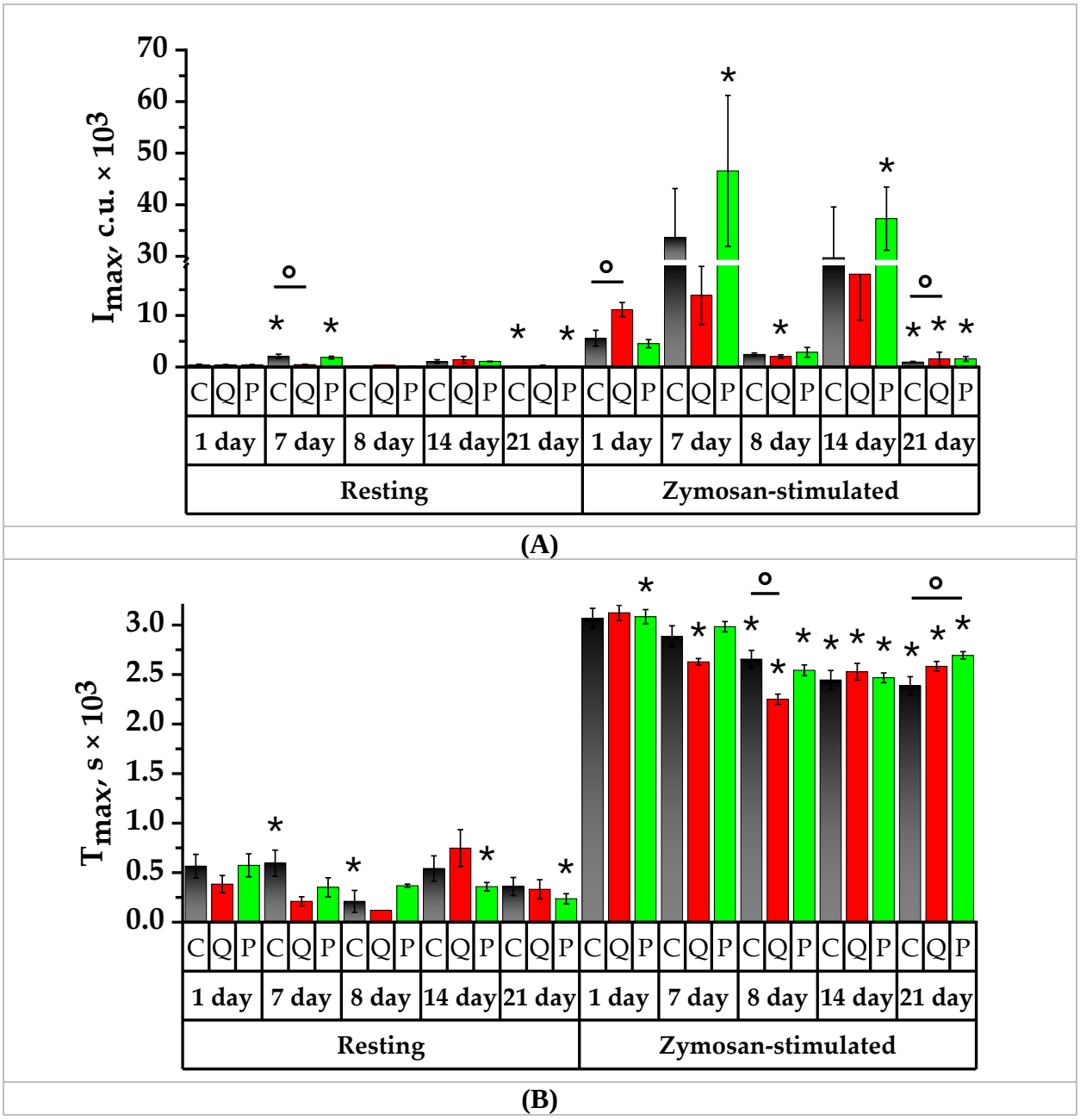

×10^9
Fr. 20-22 –flav.
Intensity
1+
611
1+
465
1+
303
m/z

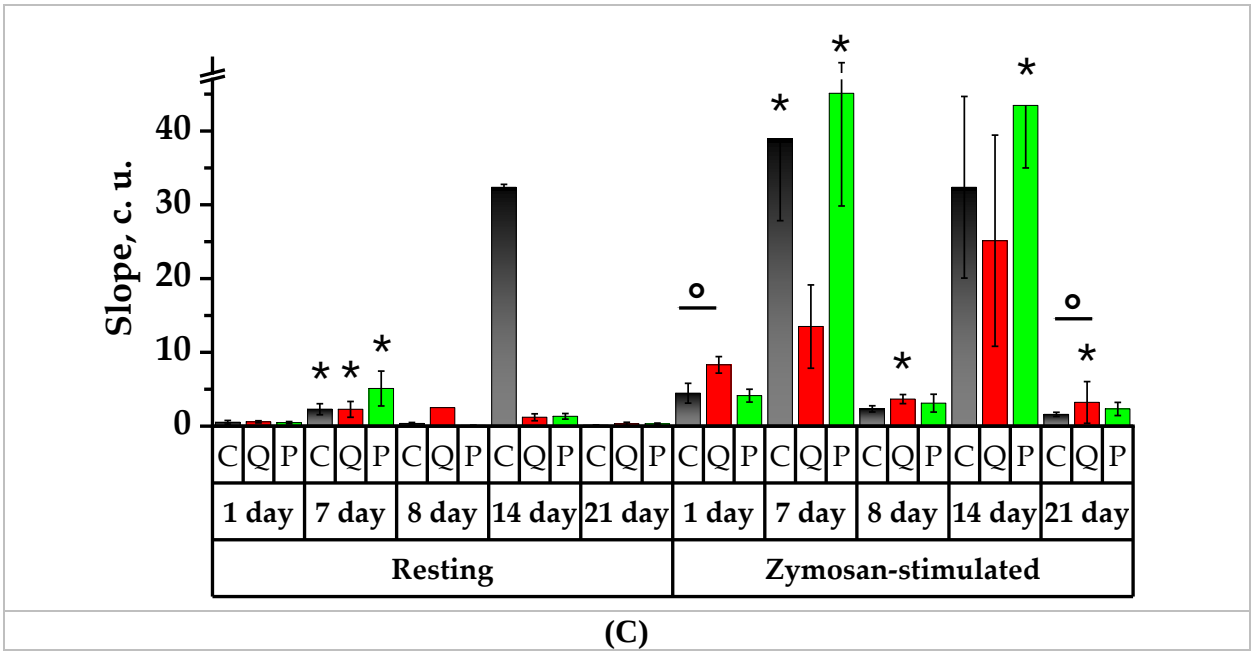
(G)


×10^7
Fr. 24 – flav.
Intensity
1+
611
1+
303
1+
465
m/z

(H)

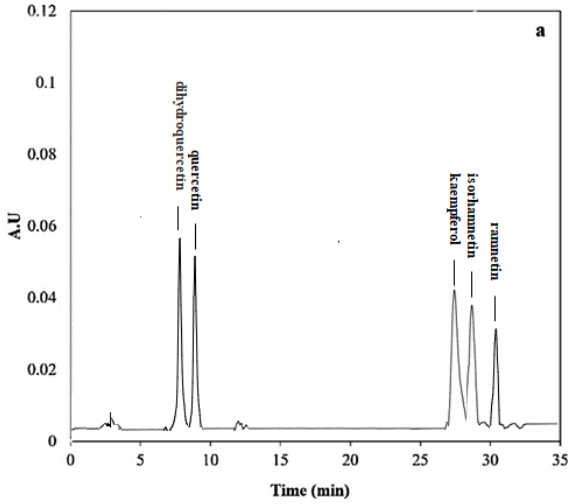
Figure S3: Values of spontaneous and zymosan-activated chemiluminescence of rat neutrophils: (A) chemiluminescence intensity (I_{max}, c.u.), (B) the time showing peak CL (T_{max}, s), C – slew rate of the chemiluminescence curve (Slope, c.u.). * $p < 0.05$, significance of differences compared to the first day of the experiment, ° $p < 0.05$, significance of differences between the animal groups.



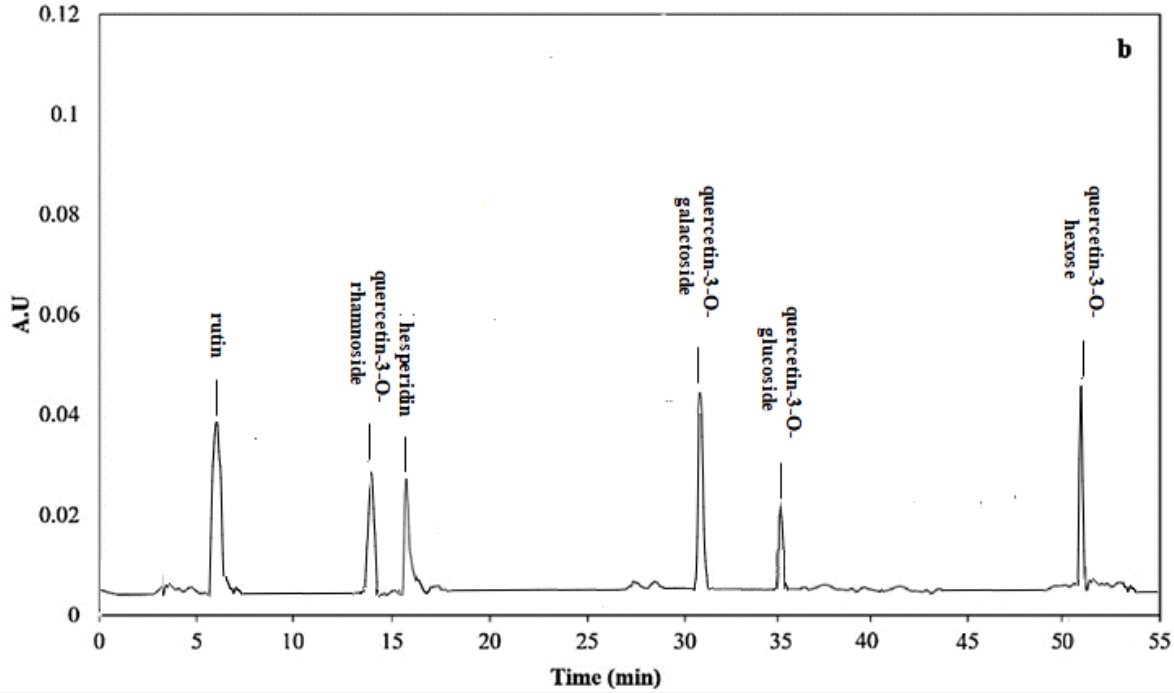

Slope, c. u.
0
10
20
30
40
C Q P C Q P C Q P C Q P C Q P C Q P C Q P C Q P C Q P C Q P C Q P
1 day
7 day
8 day
14 day
21 day
1 day
7 day
8 day
14 day
21 day
Resting
Zymosan-stimulated

(C)

Figure S4: HPLC chromatograms of standard compounds. (A) Individual flavonols; (B) glycosidic form of flavonols.



(A)



(B)