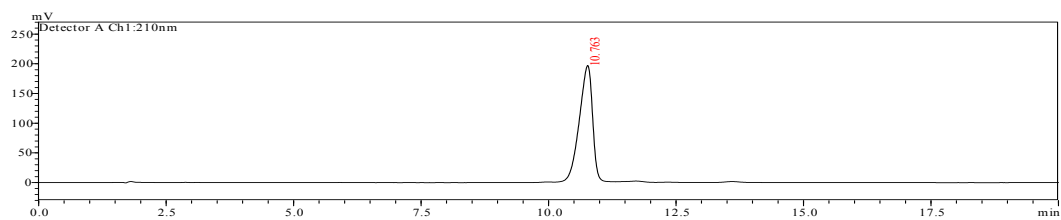
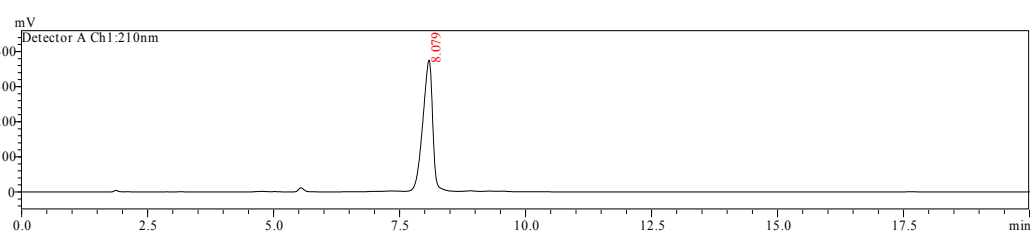


**Fig.1S HPLC chromatograms of three steroidal saponins for FROJ
(A)S1; (B)S2; (C)S3.**

(A)S1



(B)S2



(C)S3

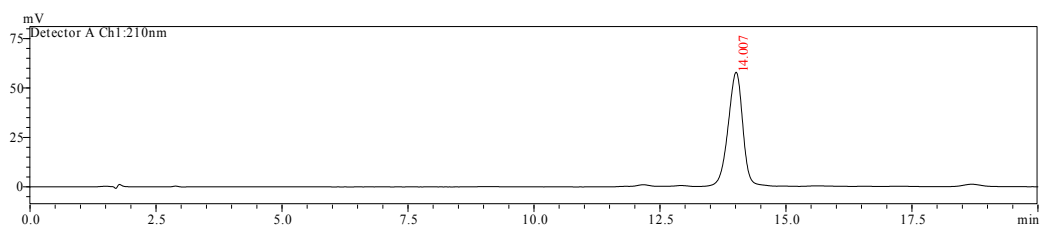
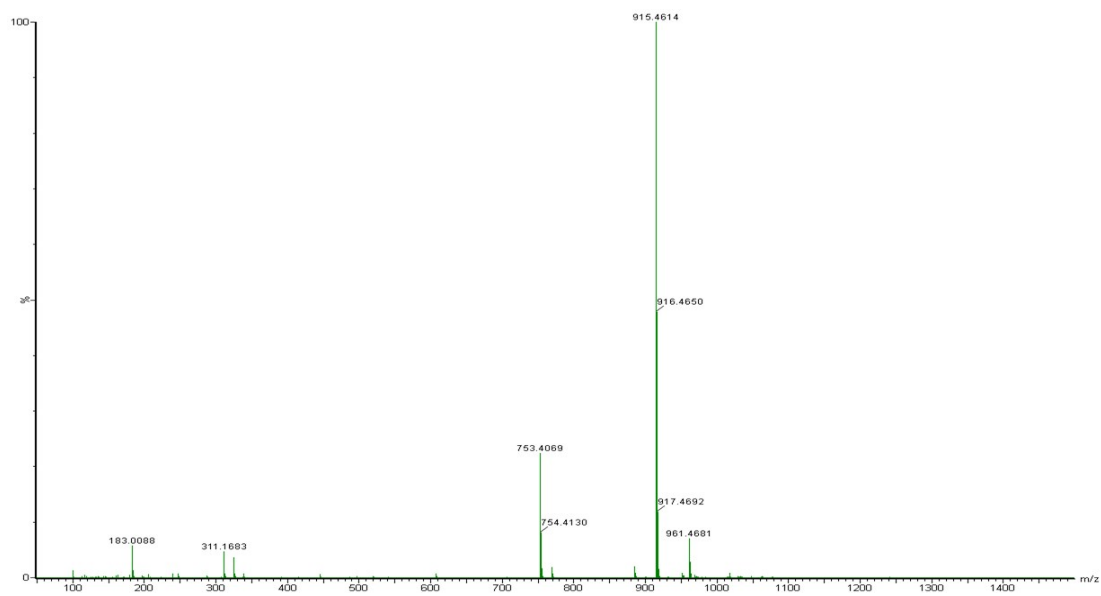


Fig.1S HPLC-MS chromatograms of three steroidal saponins for FROJ: (A)S1; (B)S2; (C)S3.

(A)



(B)



(C)

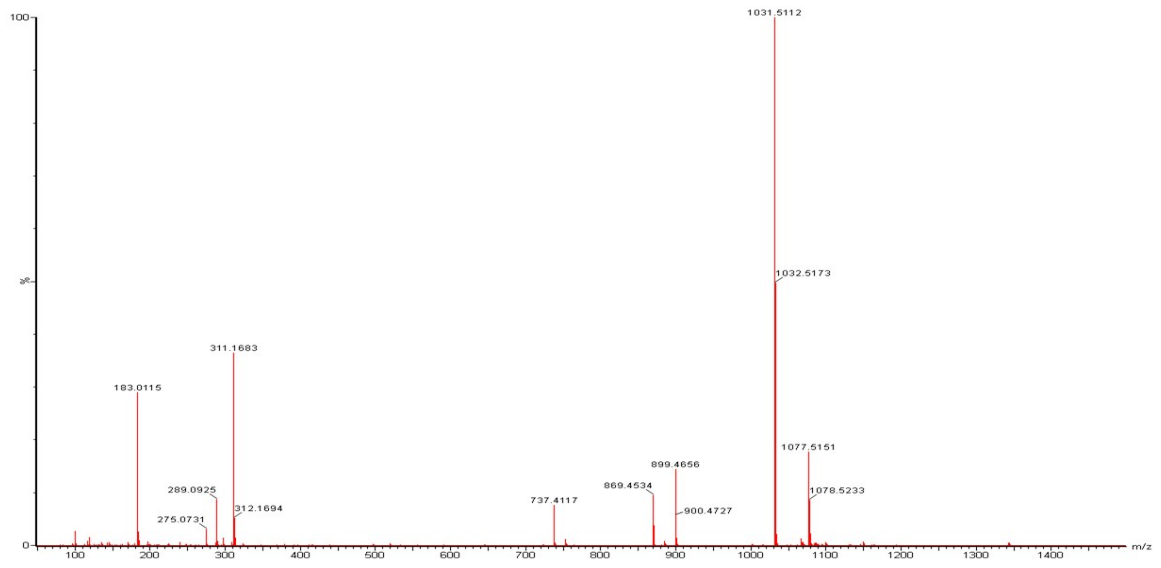


Table 1S. ¹³C NMR data for steroidal saponins 1–3 (500 MHz, δ in ppm, pyridine-d₅)

Position	S1	S2	S3	Position	S1	S2	S3
1	38.2	37.7	37.5	1'-Glc-1	100.4	99.8	99.9
2	30.6	30.4	30.0	2'	77.5	76.0	76.1
3	78.4	78.4	78.4	3'	90.0	80.3	80.2
4	39.2	38.7	38.6	4'	79.0	80.3	80.2
5	140.7	140.2	140.7	5'	78.1	77.8	77.7
6	122.9	122.4	121.9	6'	62.9	62.4	62.0
7	26.7	26.1	31.8	2'-Rha-1''	102.7	102.2	102.1
8	36.8	36.2	30.4	2''	73.0	72.5	72.5
9	44.0	43.5	50.2	3''	73.3	72.8	72.7
10	37.9	37.4	37.1	4''	74.6	73.9	73.9
11	20.6	20.1	20.9	5''	70.1	70.0	69.9
12	27.1	26.6	32.3	6''	19.2	18.6	18.6
13	48.8	48.3	44.7	3'-Xy3-1'''		102.4	102.4
14	88.3	88.7	53.0	2'''		73.9	73.9
15	40.9	40.4	32.4	3'''		78.2	78.2
16	91.0	90.5	89.9	4'''		70.7	70.6
17	91.6	91.0	90.1	5'''		65.9	65.9
18	21.1	21.0	17.5	3'-Glc-1''''	105.0		
19	19.9	19.4	19.4	2''''	75.5		
20	45.6	45.1	45.1	3''''	79.2		
21	10.4	9.8	9.8	4''''	72.0		
22	110.1	109.6	109.8	5''''	70.1		
23	32.7	32.1	32.1	6''''	62.9		
24	29.4	28.9	28.8	4'-Glc-1'''''		102.4	102.4
25	30.9	30.0	30.4	2'''''		74.0	74.0
26	67.3	66.8	66.7	3'''''		75.3	75.2
27	17.8	17.3	17.3	4'''''		70.6	70.6
				5'''''		77.7	77.7
				6'''''		61.7	61.3