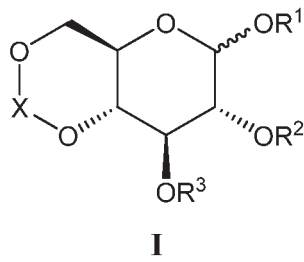


Figure 1



Name	X	R ¹	R ²	R ³
Punicalin		H	H	H
Punicalagin				
Pedunculagin				
Tellimagrandin				

Figure 2

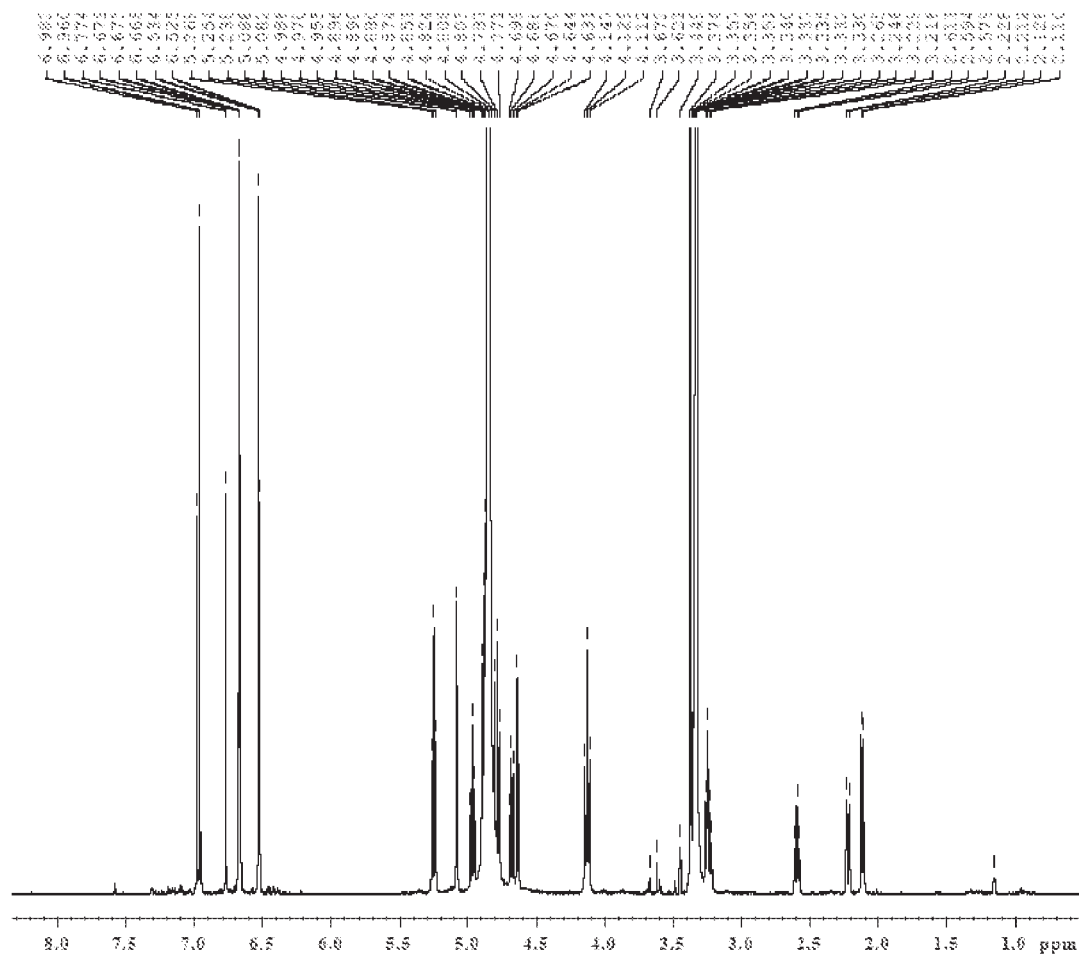


Figure 3

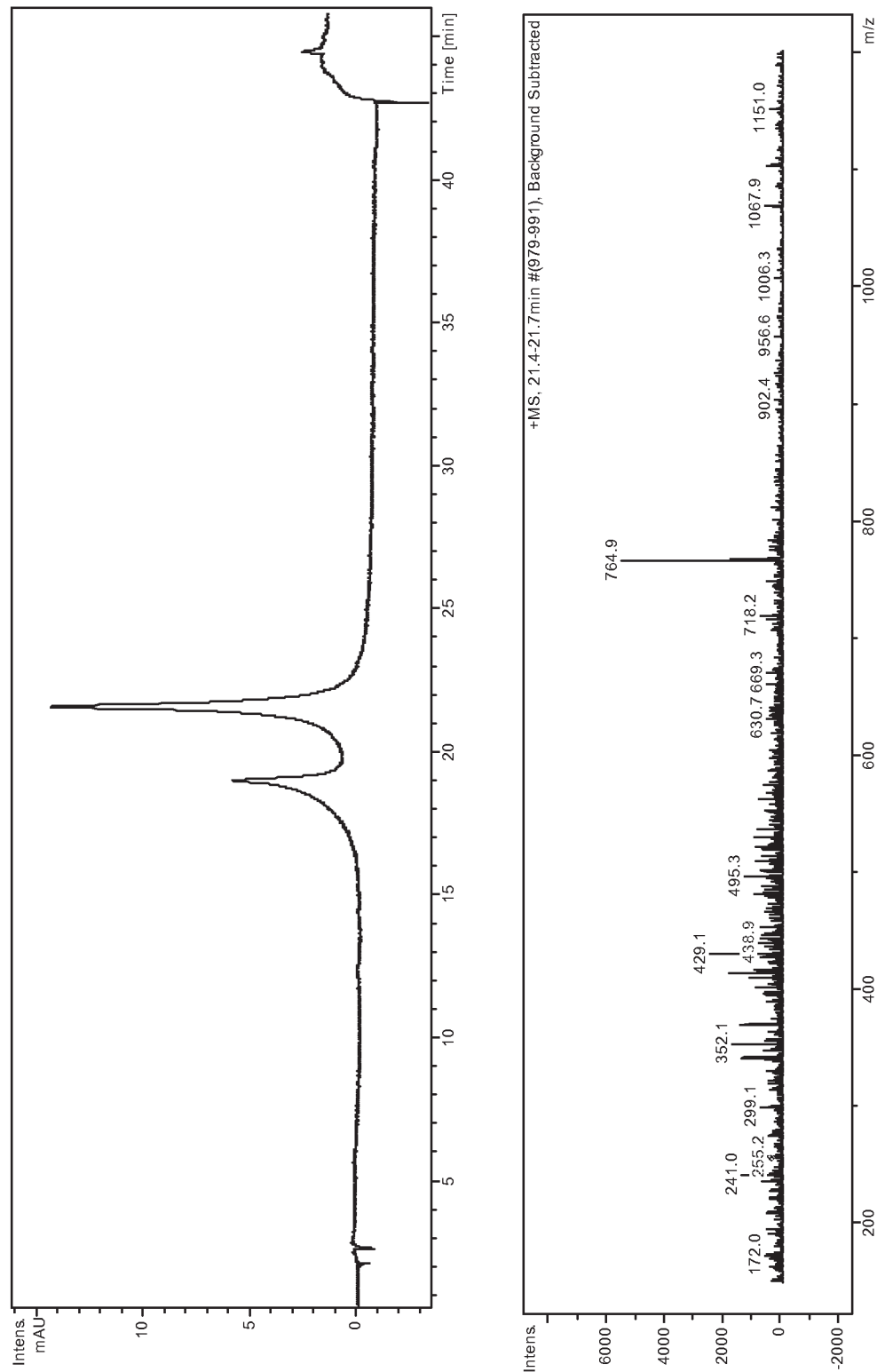


Figure 4

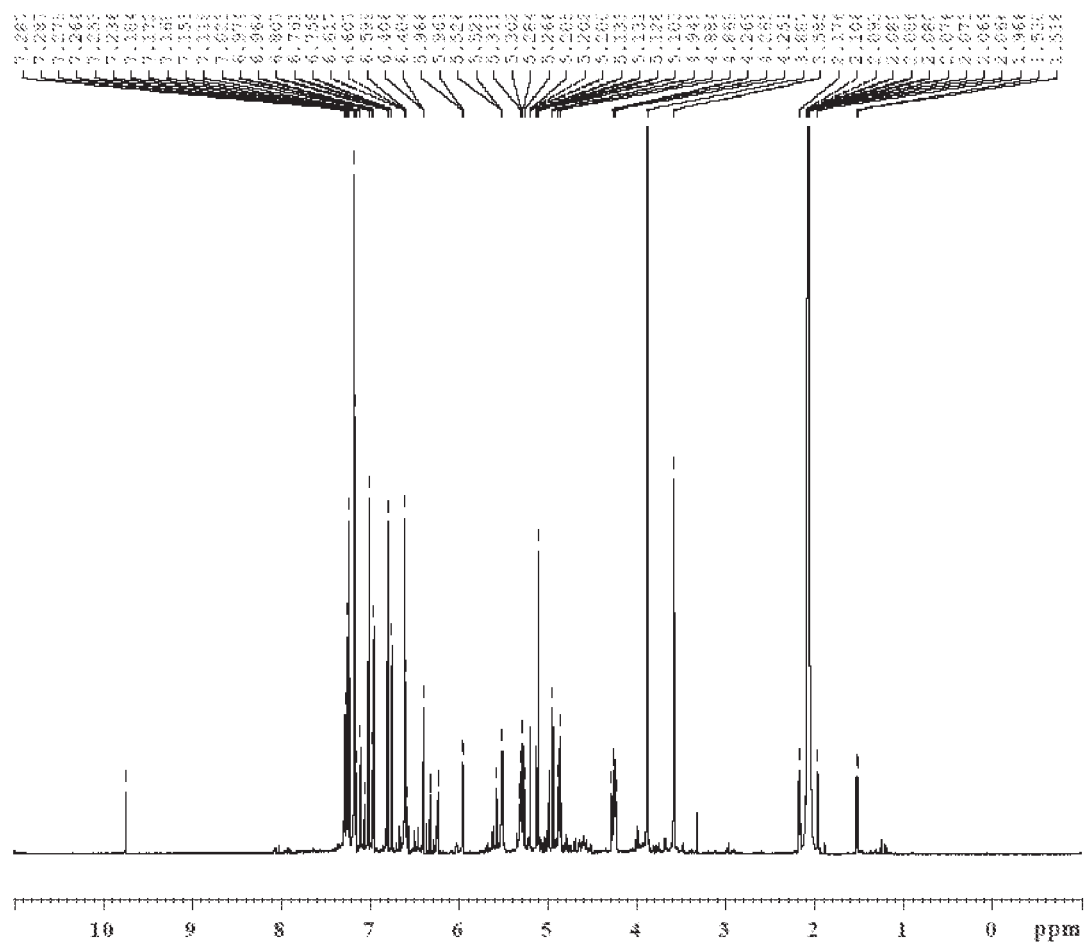


Figure 5

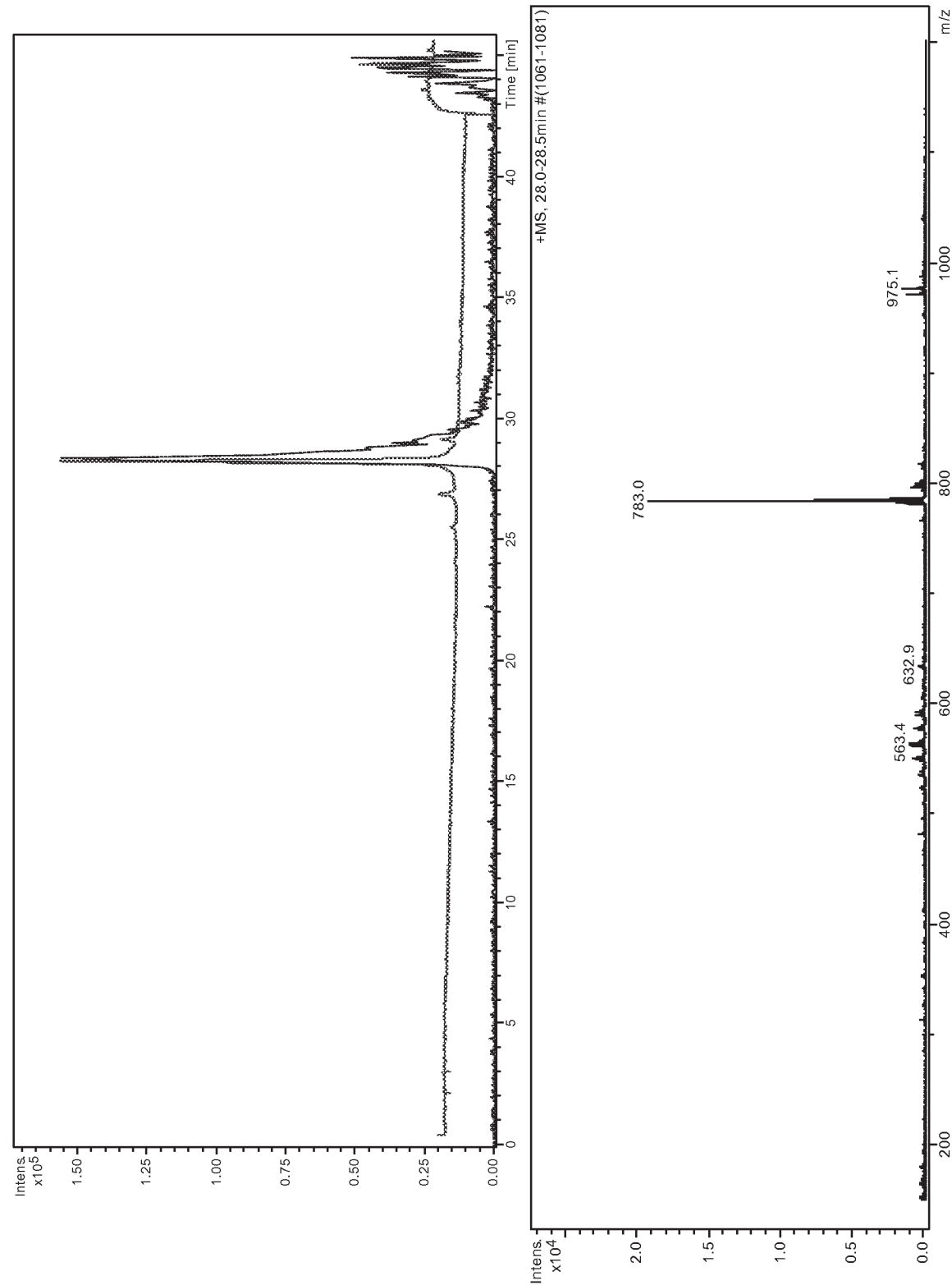


Figure 6

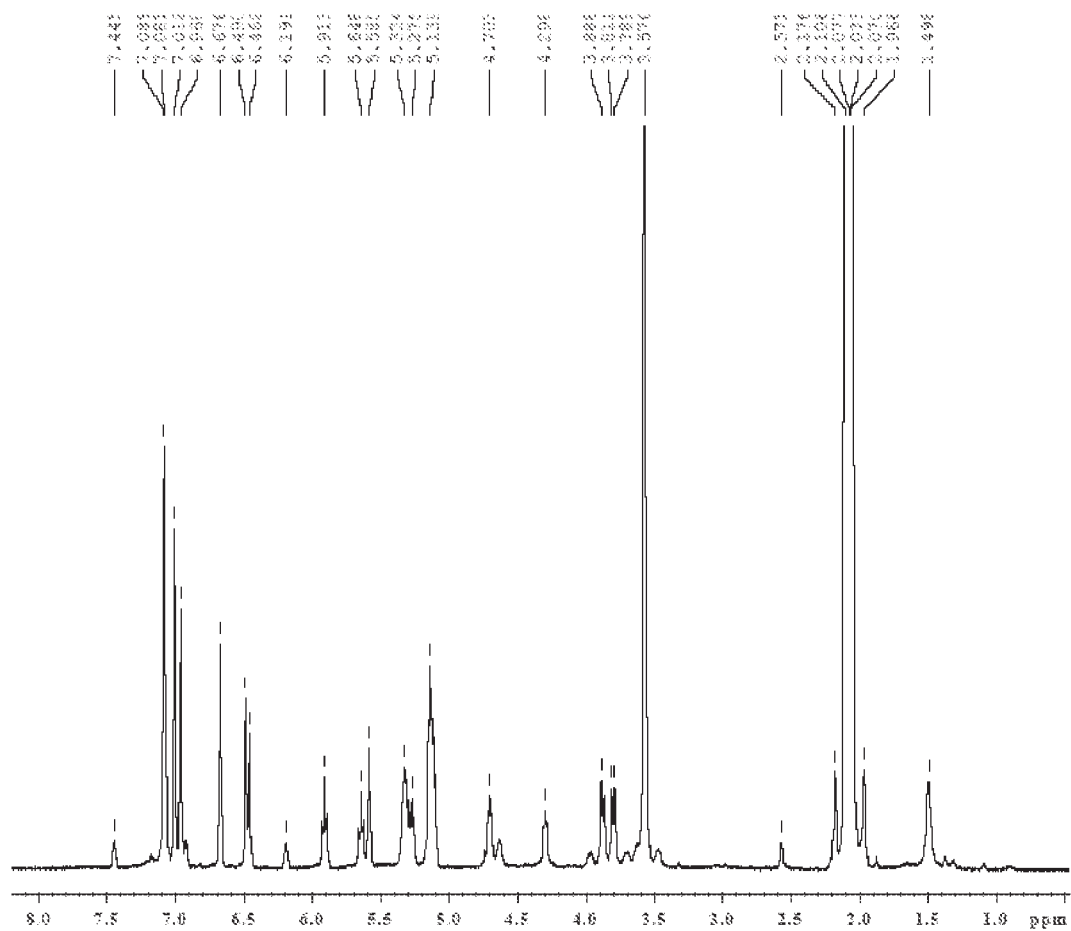


Figure 7

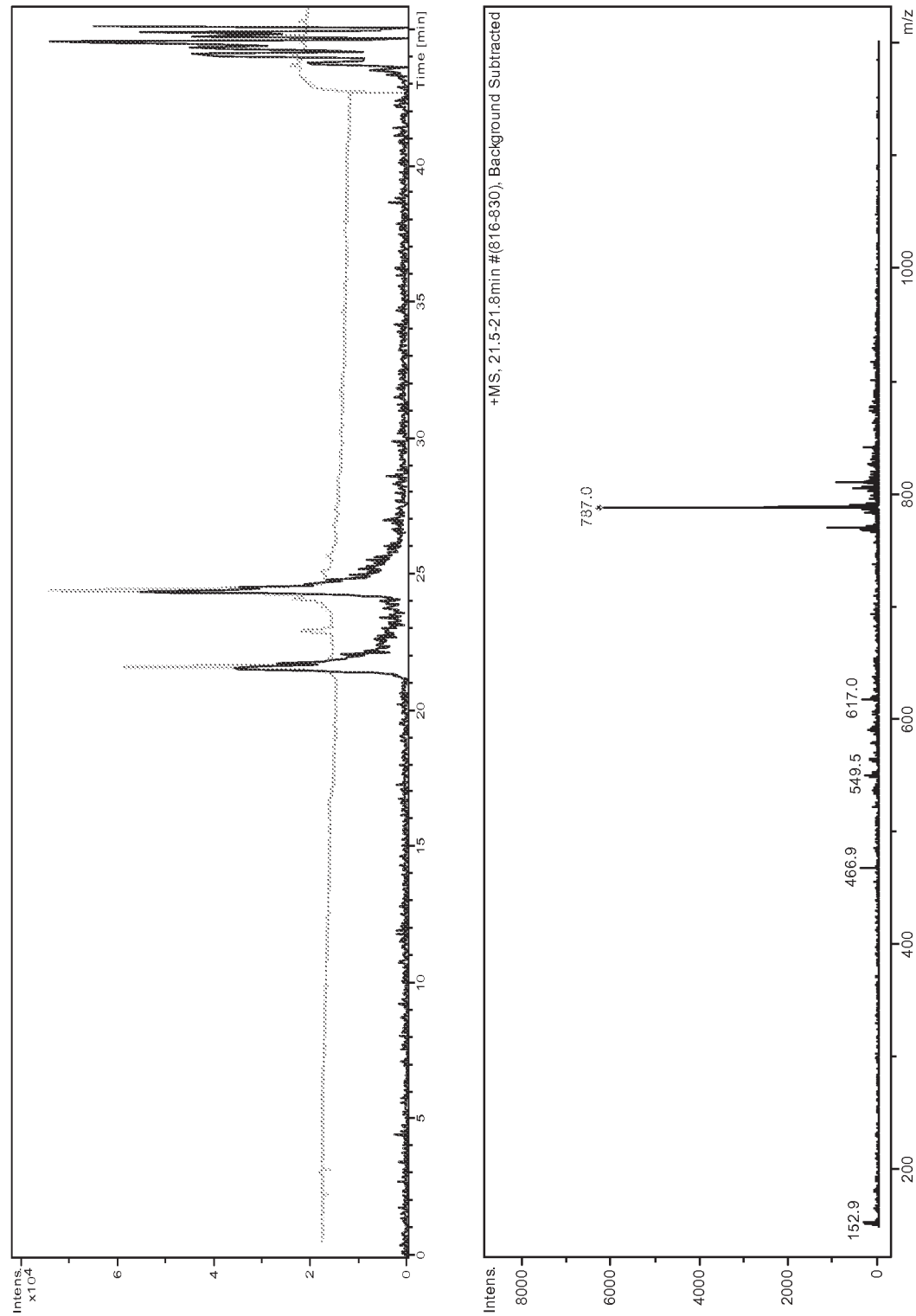


Figure 8

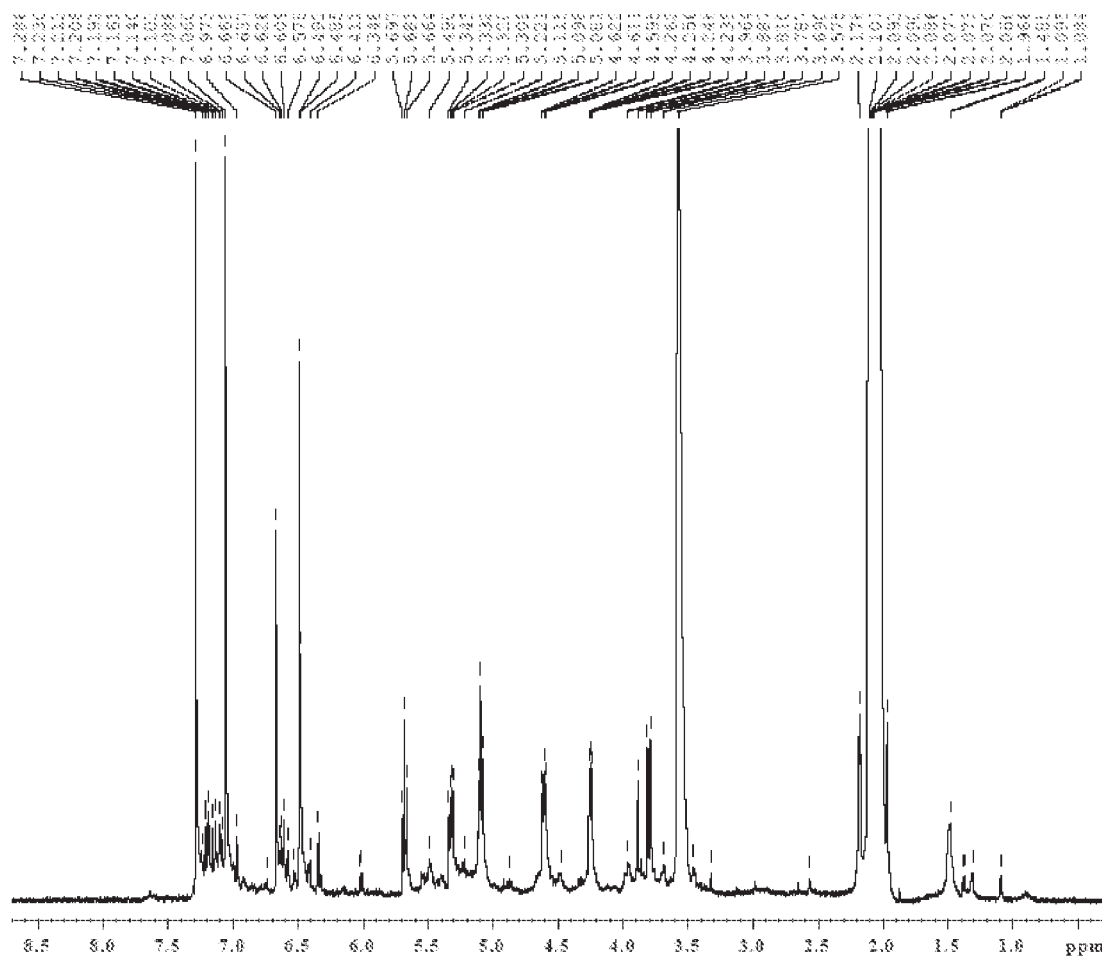


Figure 9

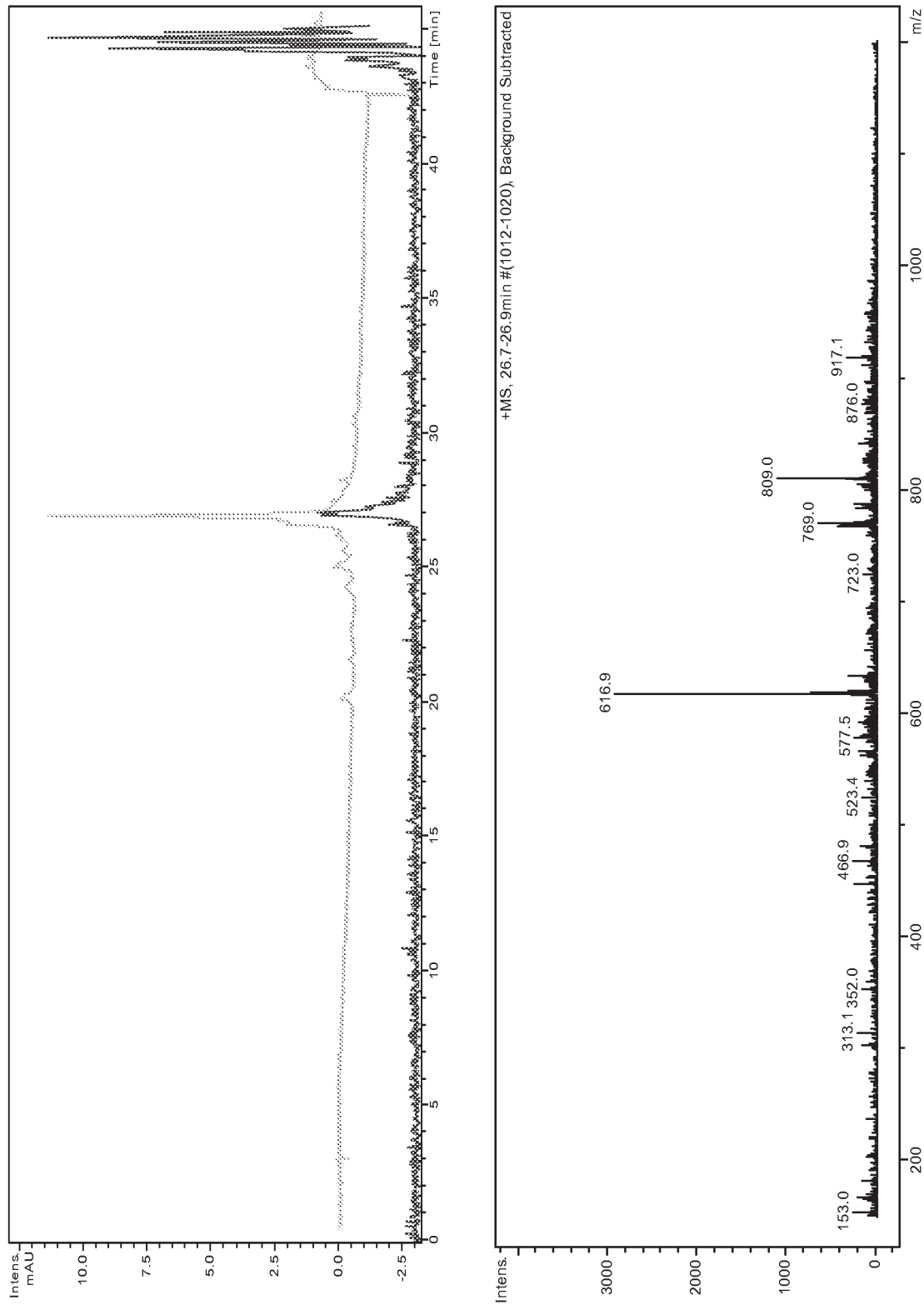


Figure 10

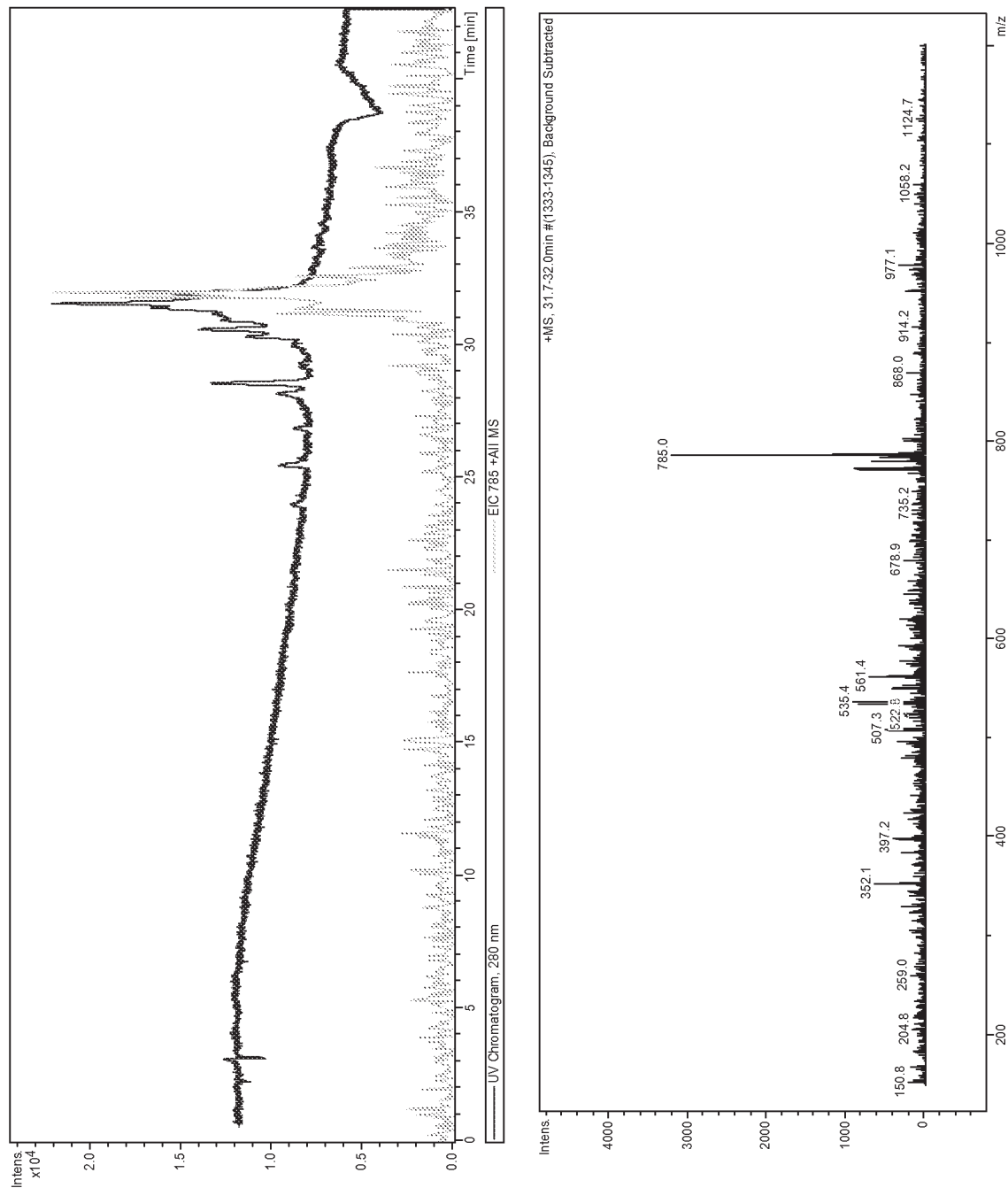


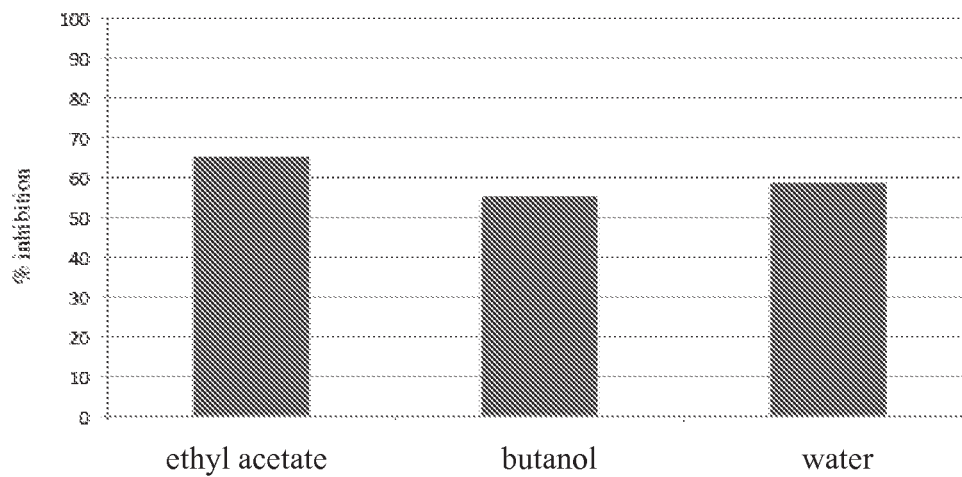
Figure 11

Figure 12

Fraction	Molecular Mass (Da)	IC₅₀ (μM)	Name
A3J	783	10	Punicalin
A1D	785	11	Pedunculagin
W12	1084	6	Punicalagin
A3I	786	9.3	Compound A
A3G	786	6.8	Tellimagrandin
	368	65	Corilagin

Figure 13

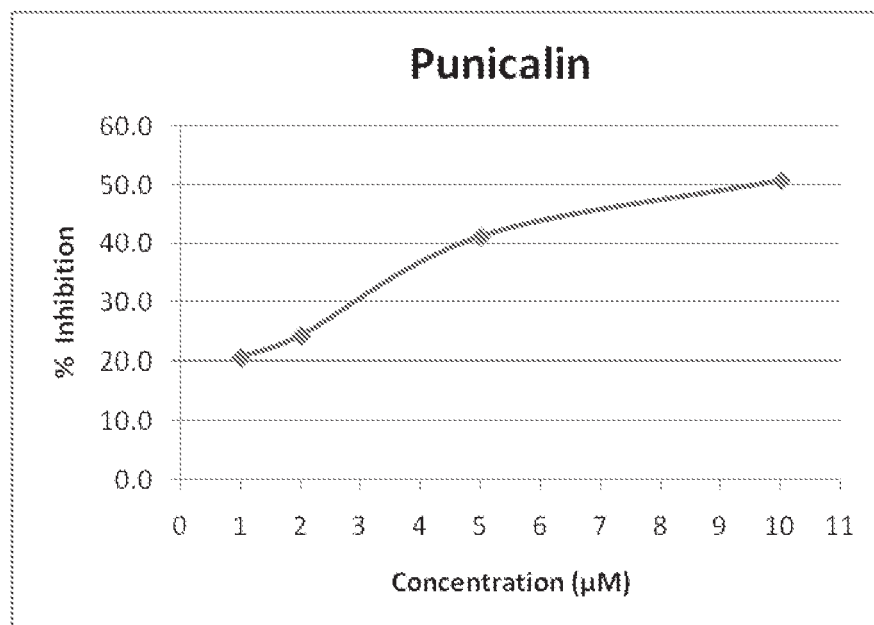
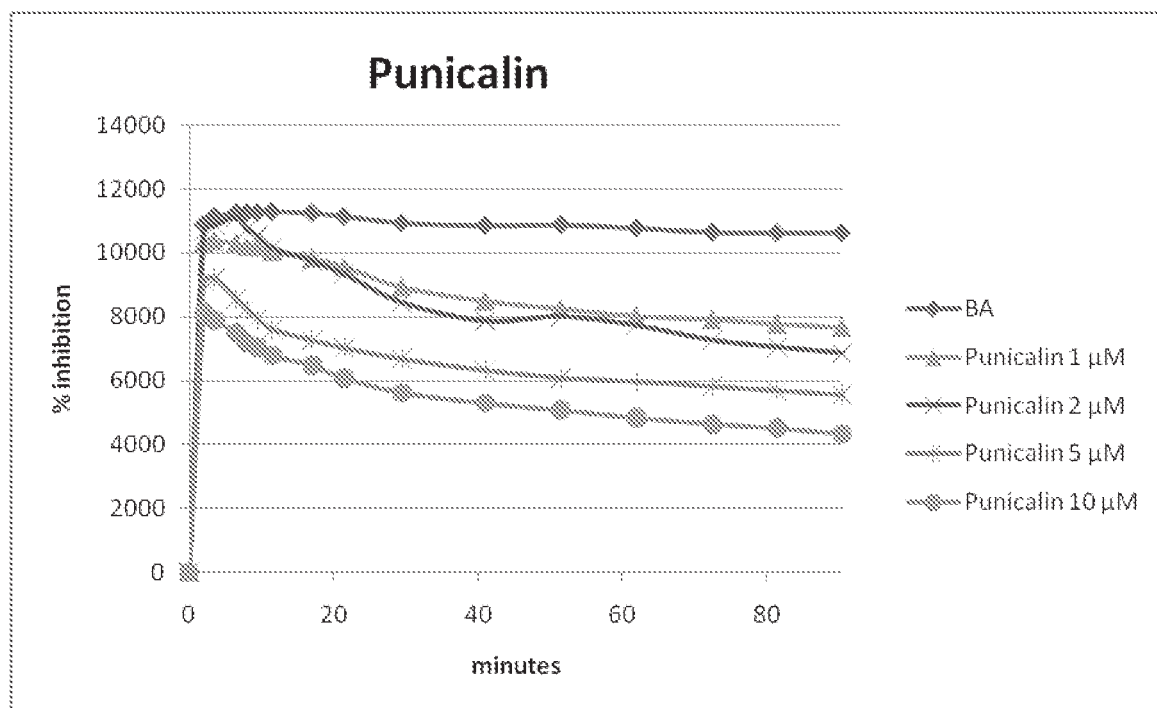


Figure 14

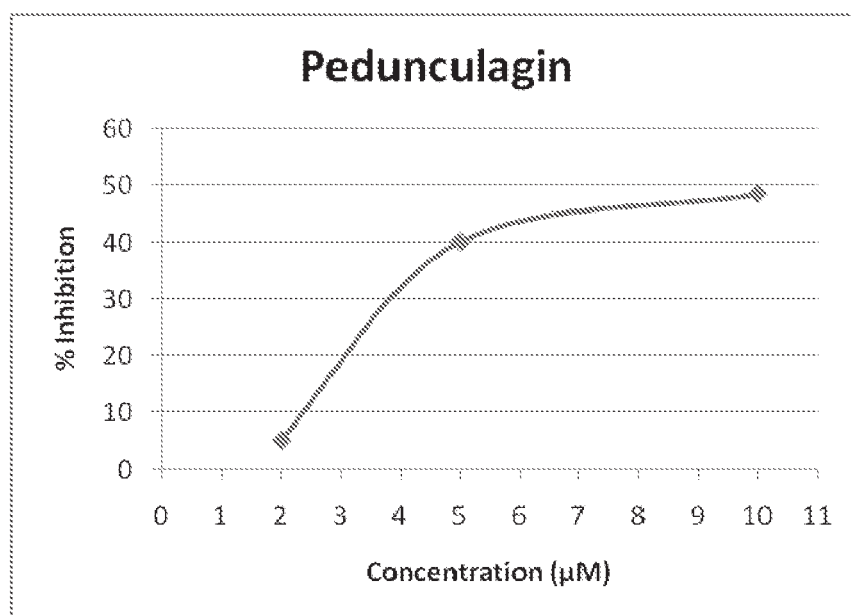
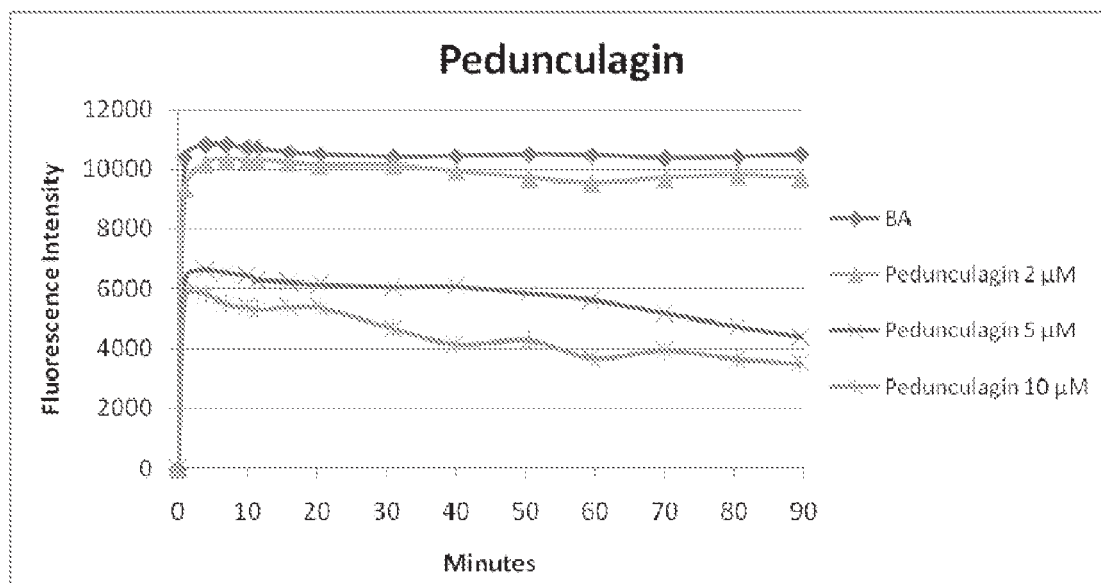


Figure 15

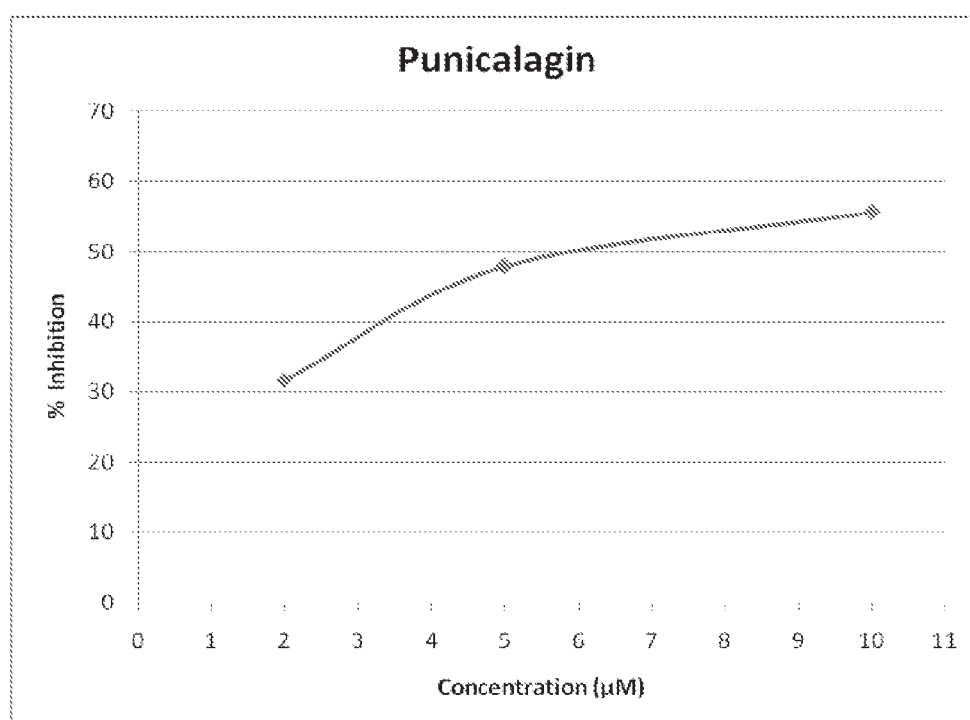
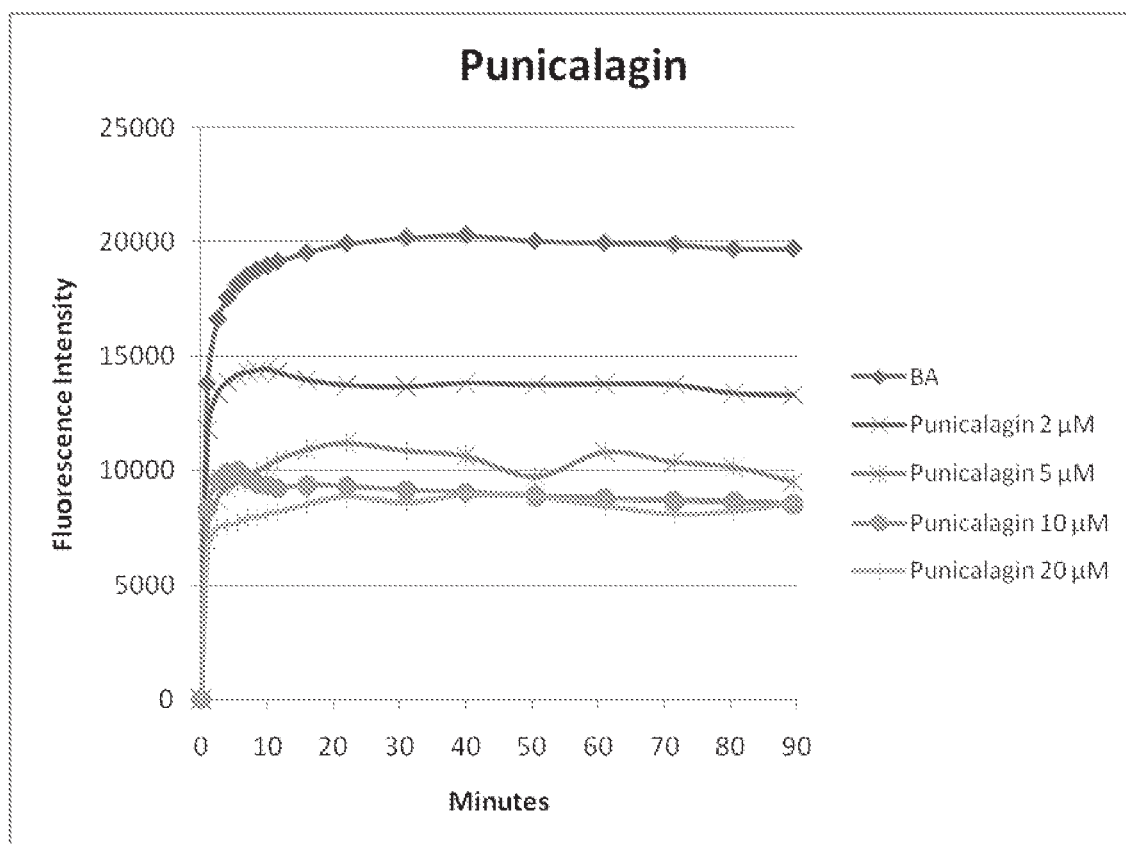


Figure 16

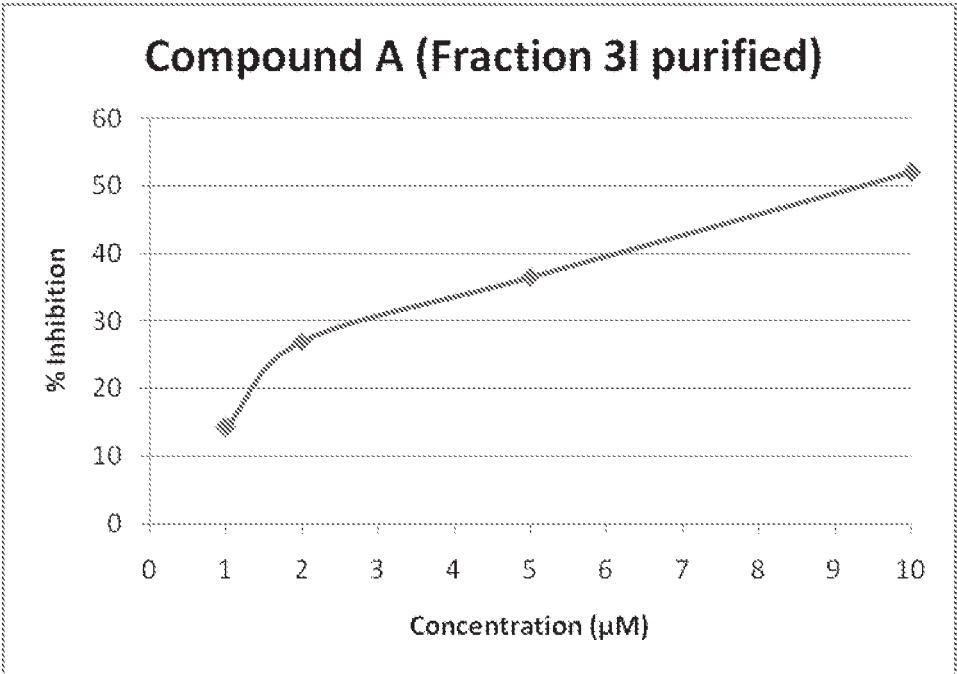
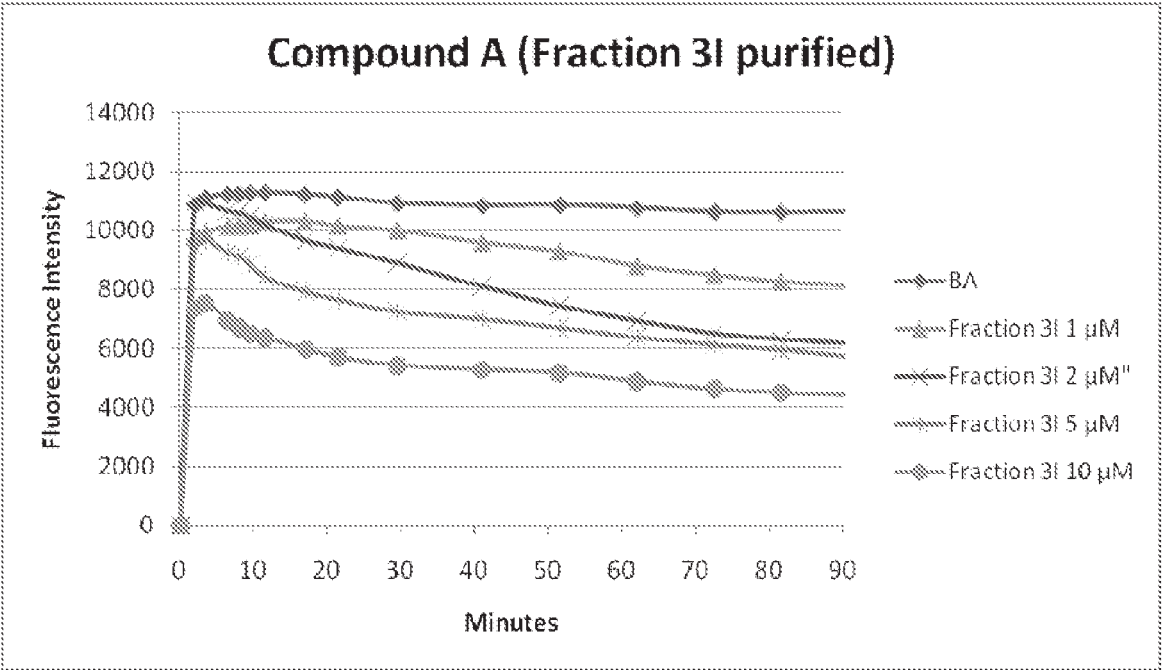


Figure 17

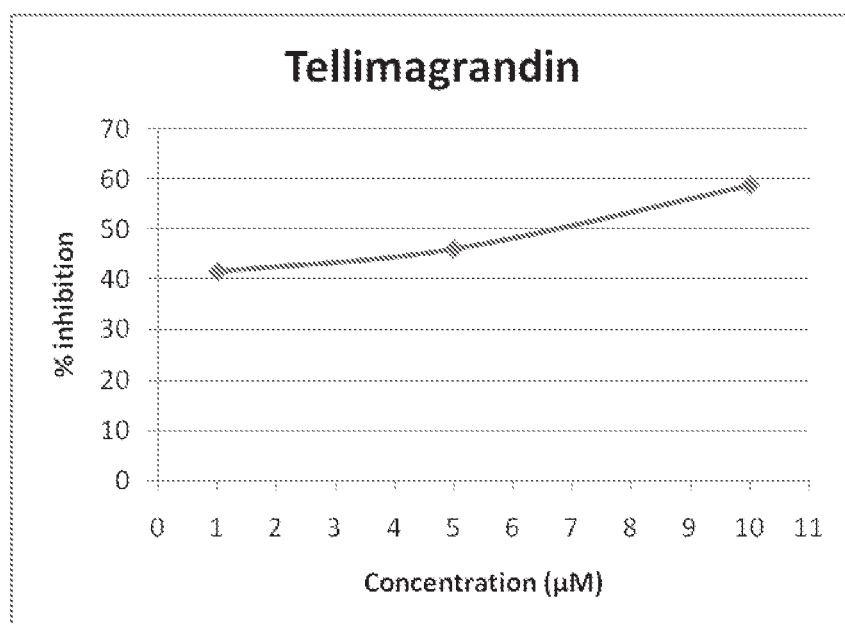
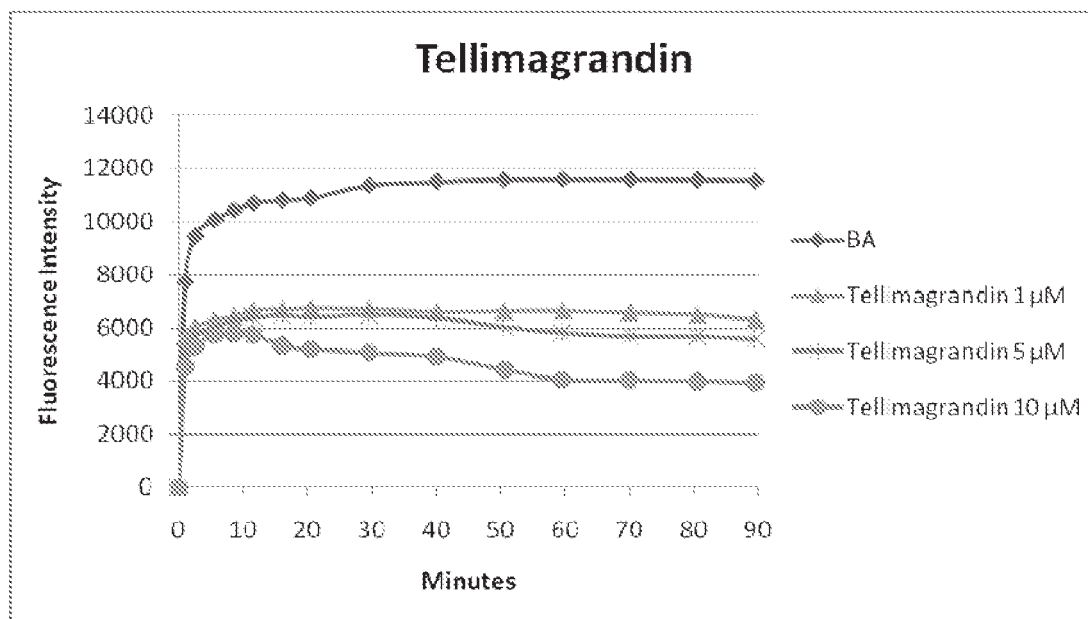


Figure 18

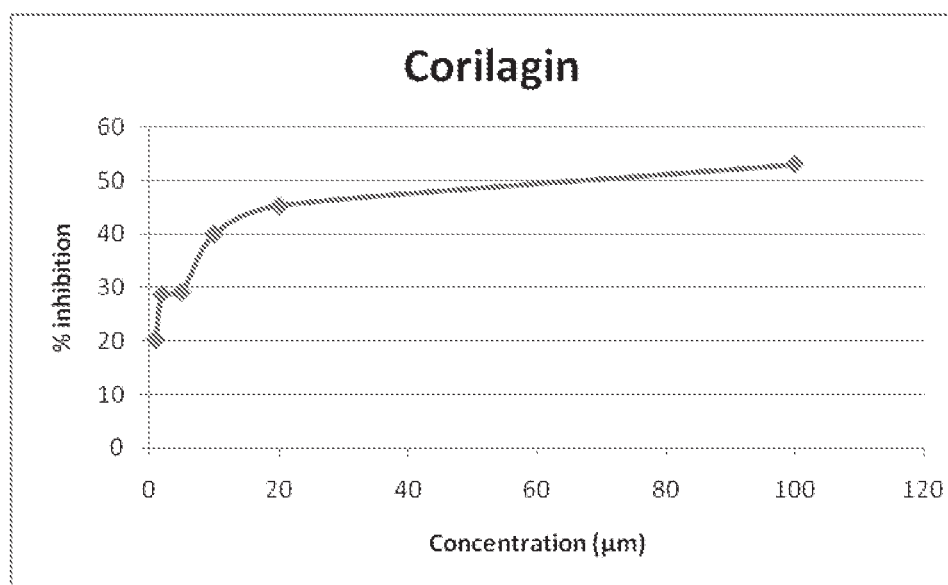
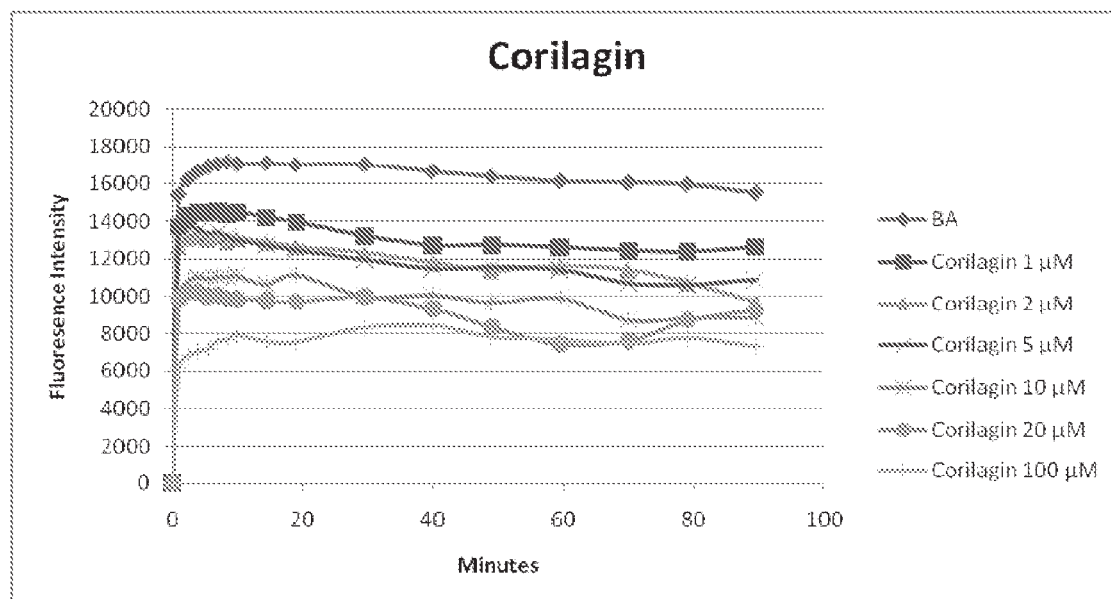


Figure 19

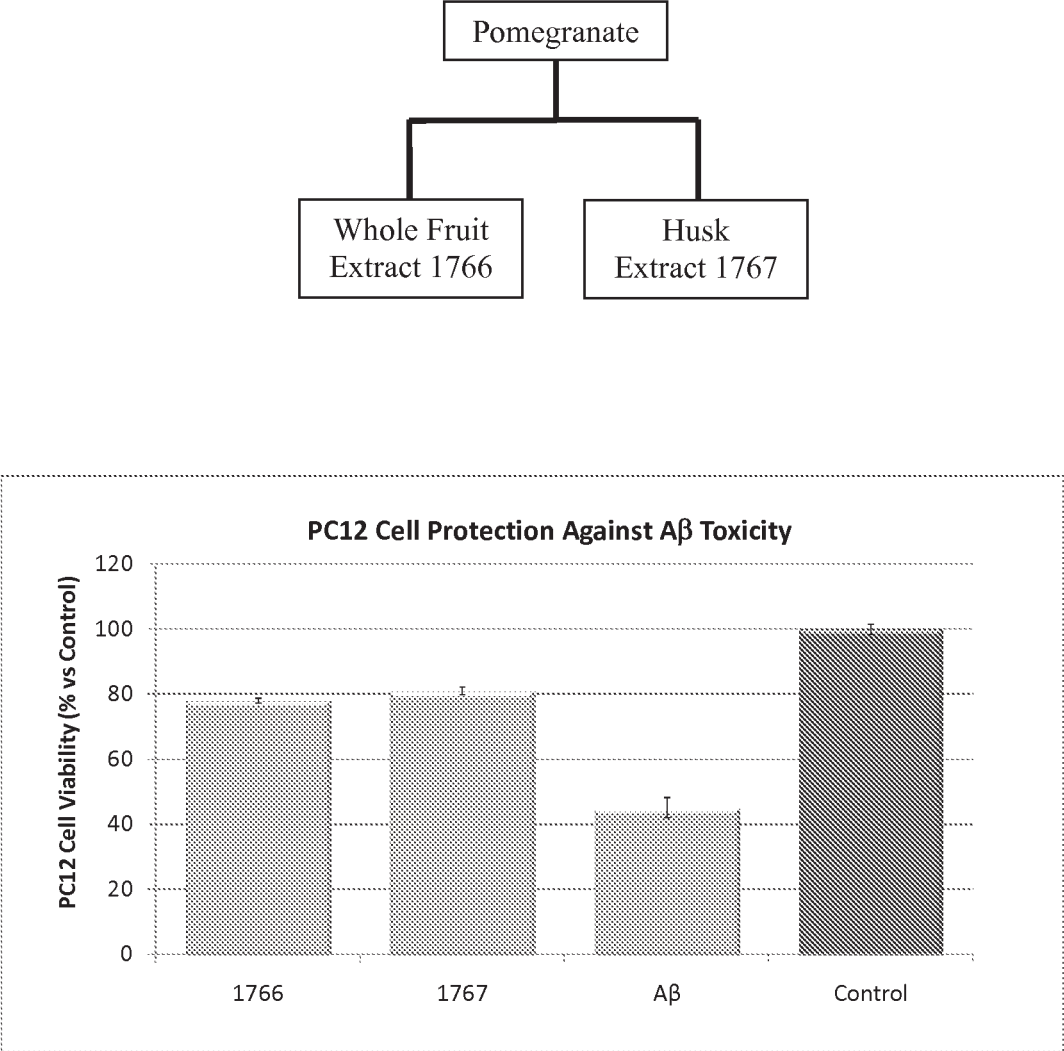


Figure 20

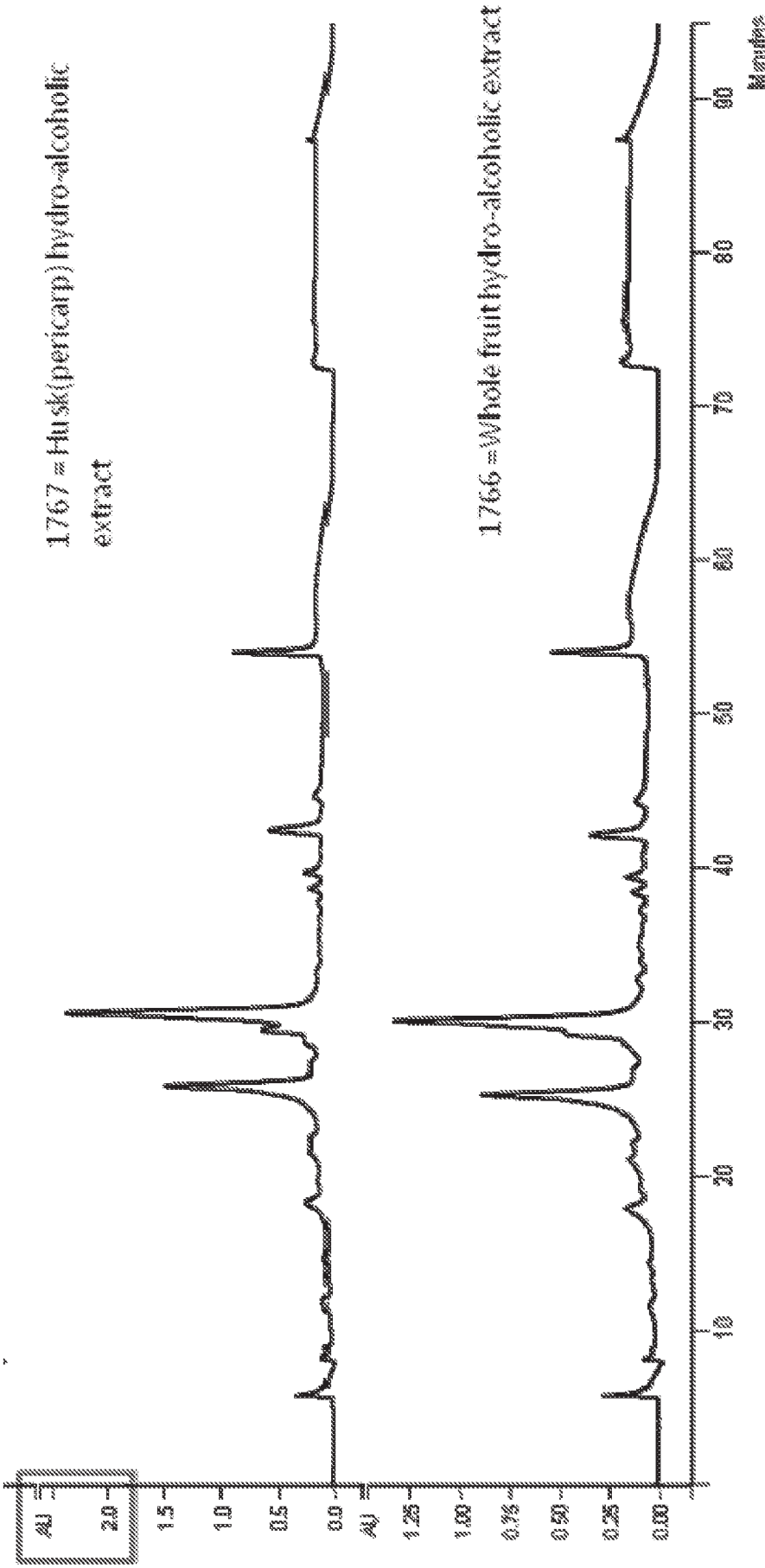


Figure 21

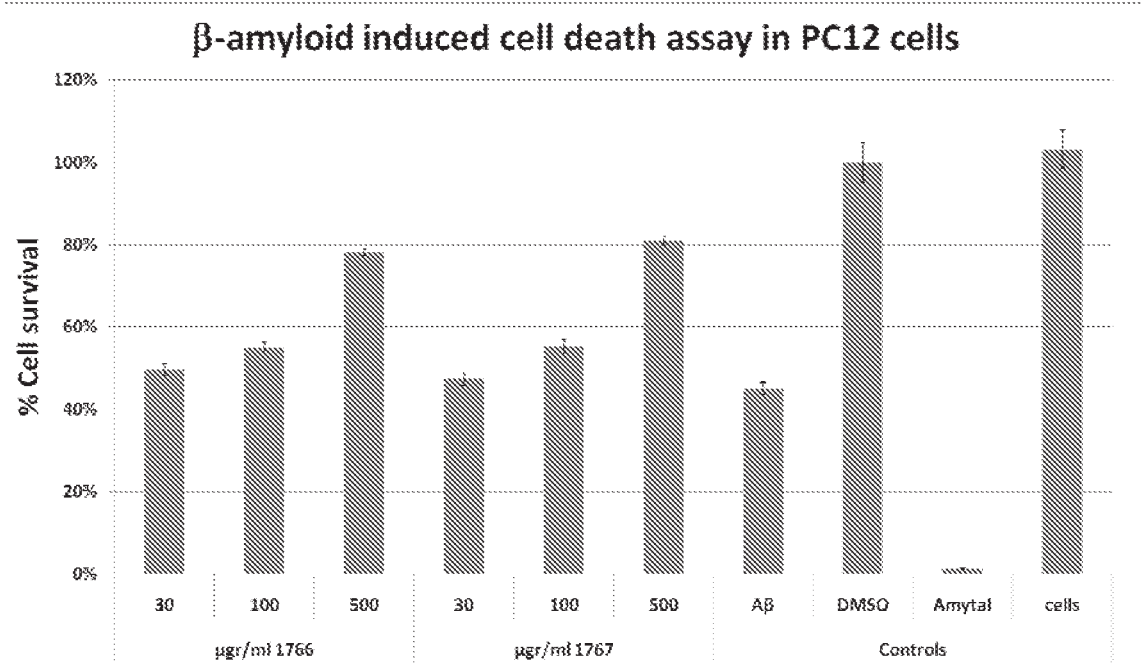
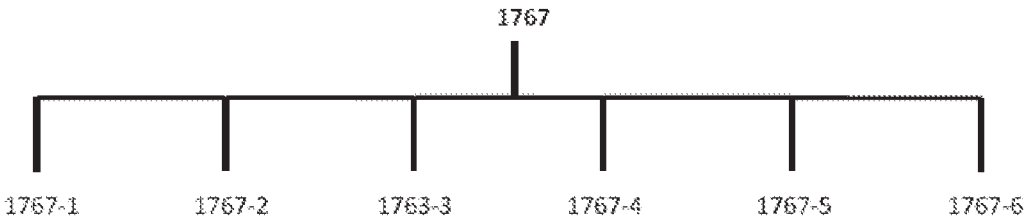


Figure 22



Eluent	Volume	Fraction	Flow (ml/min)
Water	1.5 L	1767-1	15 – 20
Water/MeOH 8:2	400 ml	1767-2	
Water/MeOH 6:4	400 ml	1767-3	
Water/MeOH 4:6	400 ml	1767-4	
Water/MeOH 2:8	400 ml	1767-5	
MeOH	200 ml	1767-6	

Extract 1767 Subfractions HPLC Profiles

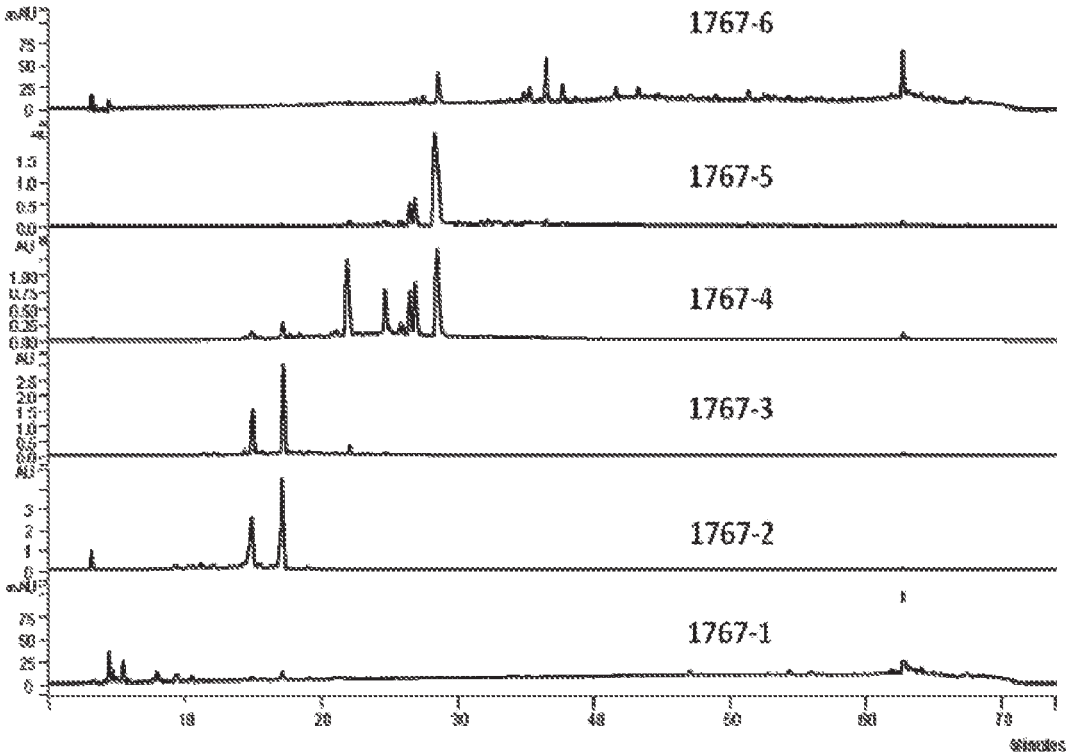


Figure 23

Time (second)	% Water+0.1% Tri Fluoro Acetic acid (TFA)	% Acetonitril	Flow (ml/min)
0:00	95	5	1
35:00	70	30	
50:00	40	60	
55:00	40	60	
60:00	0	100	
63:00	0	100	
65:00	95	5	
74:00	95	5	

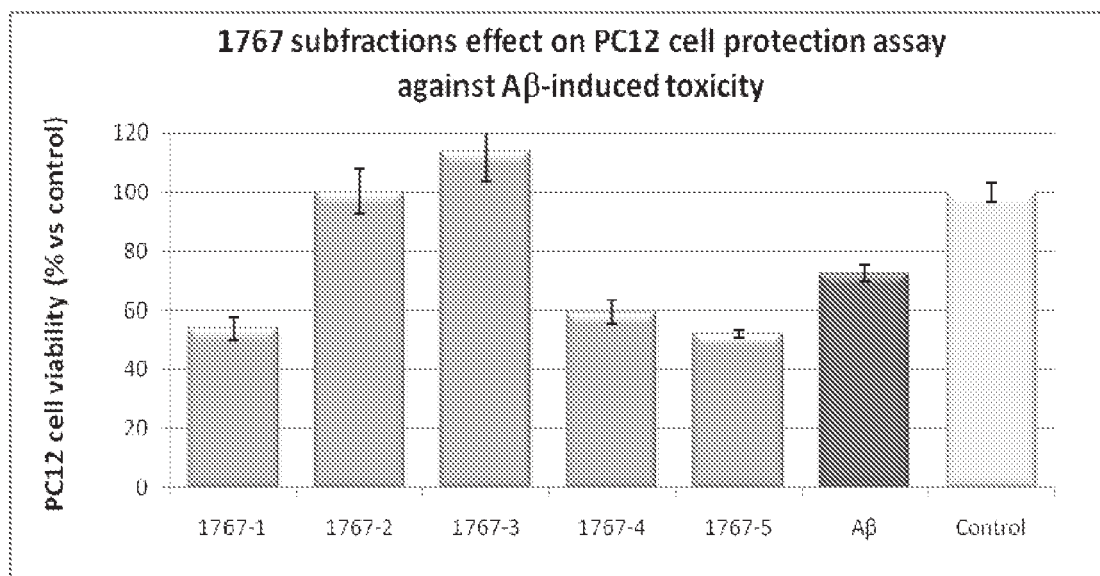


Figure 24

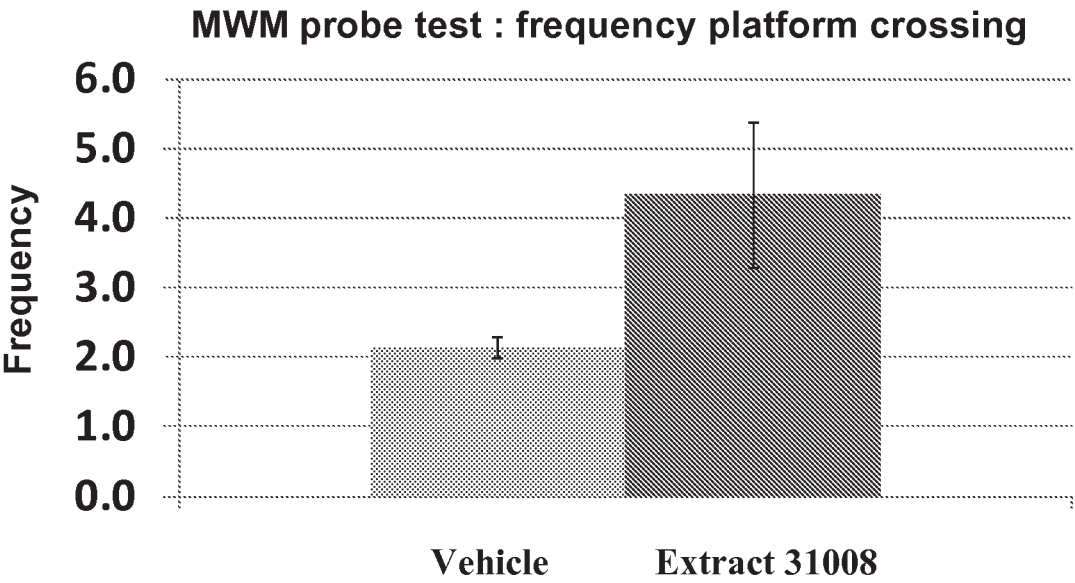
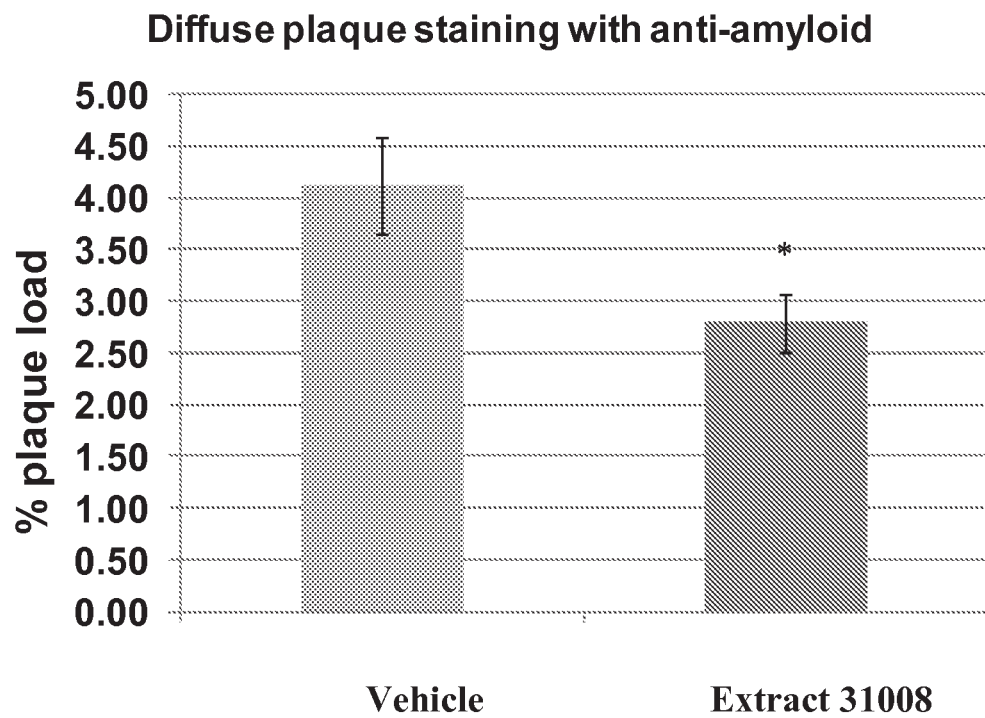


Figure 25



* $p < 0.05$ Extract 31008 versus vehicle

Figure 26

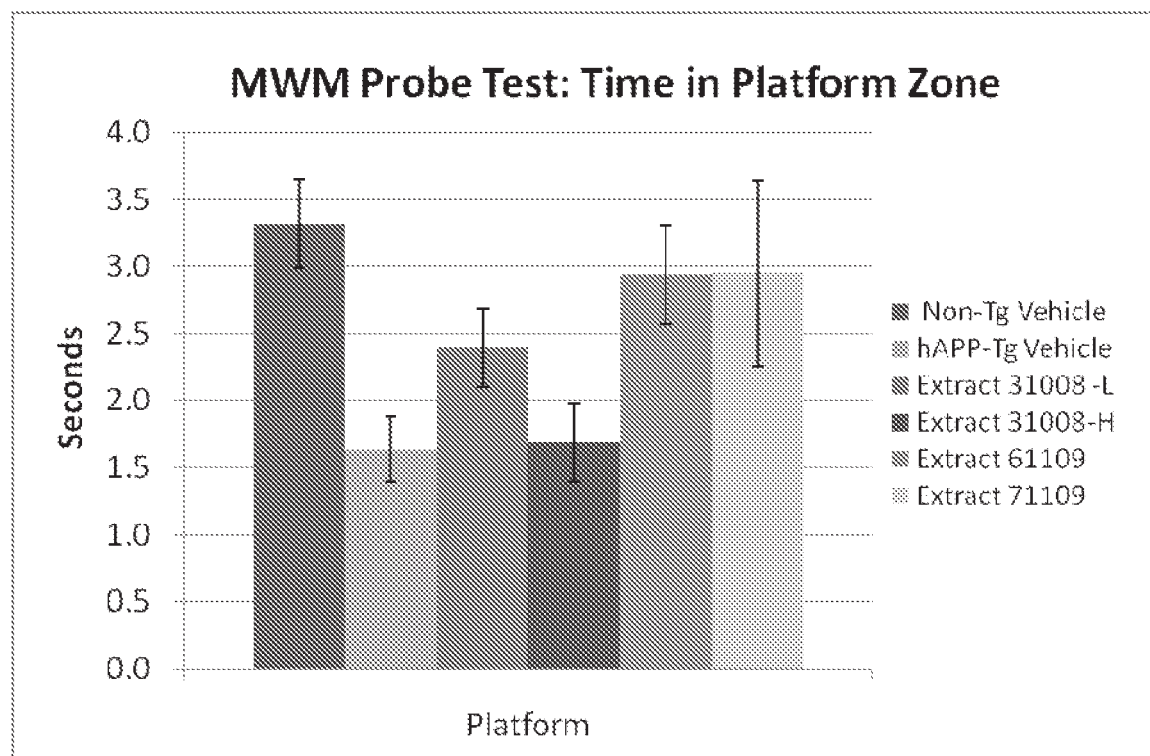


Figure 27

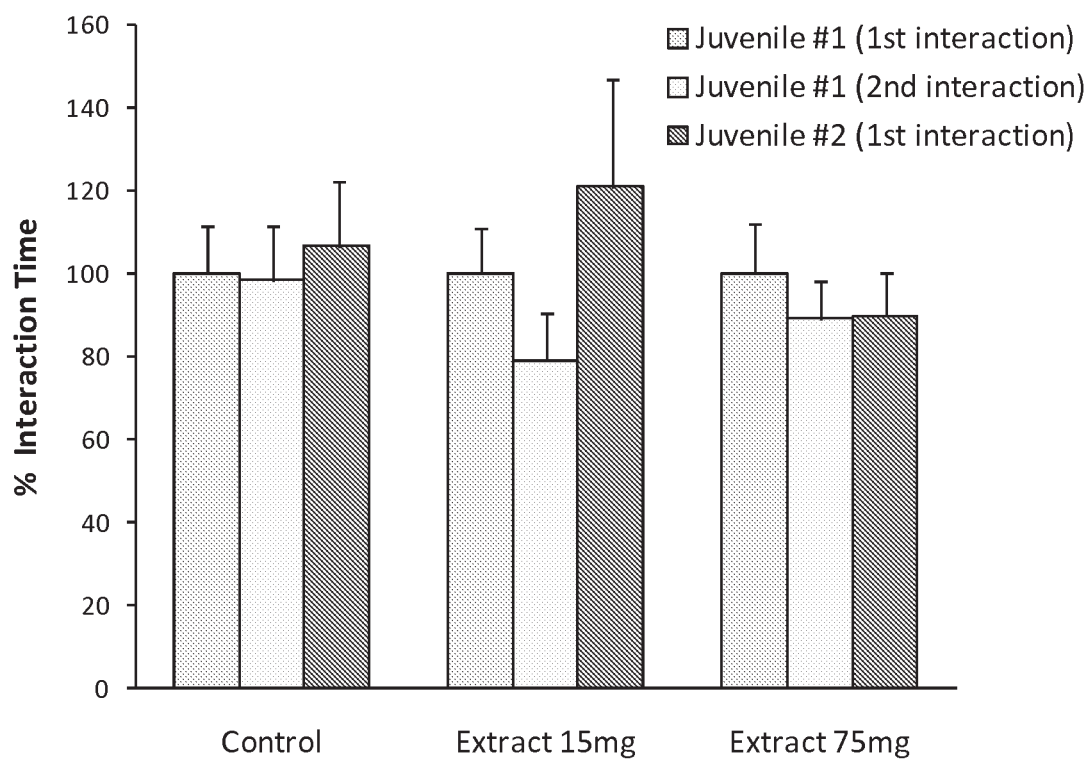


Figure 28

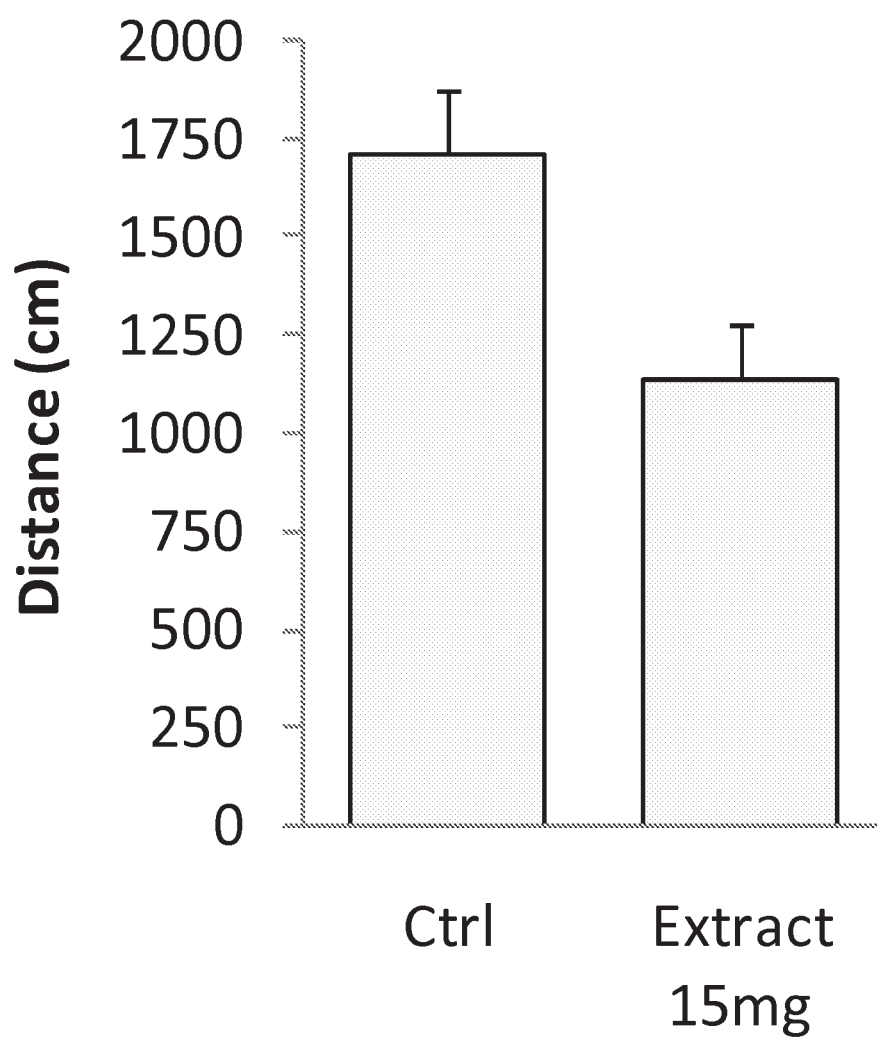
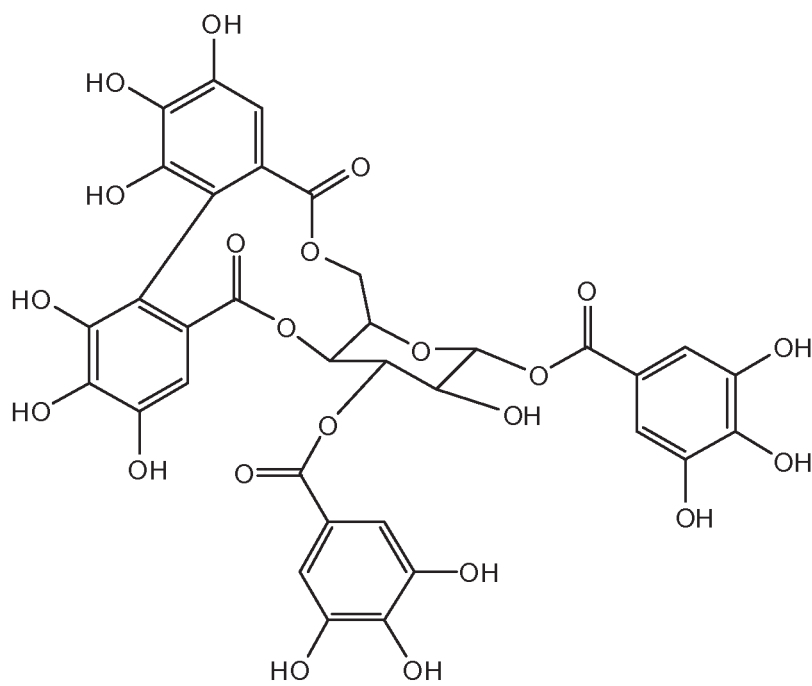


Figure 29Compound A

Chemical Formula: $C_{34}H_{26}O_{22}$
Molecular Weight: 786,56

Figure 30

Husk "puree"

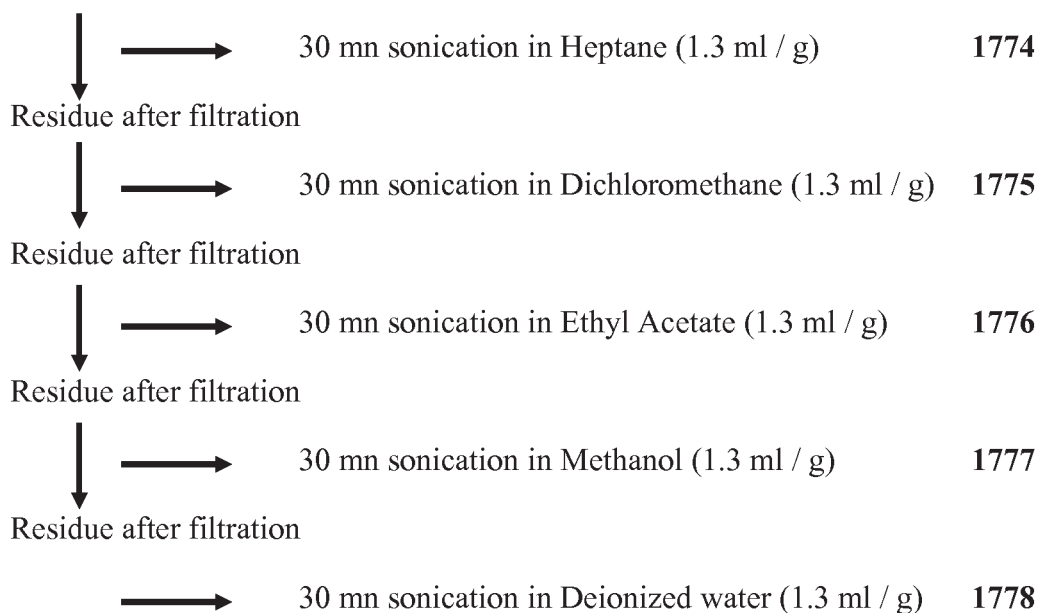
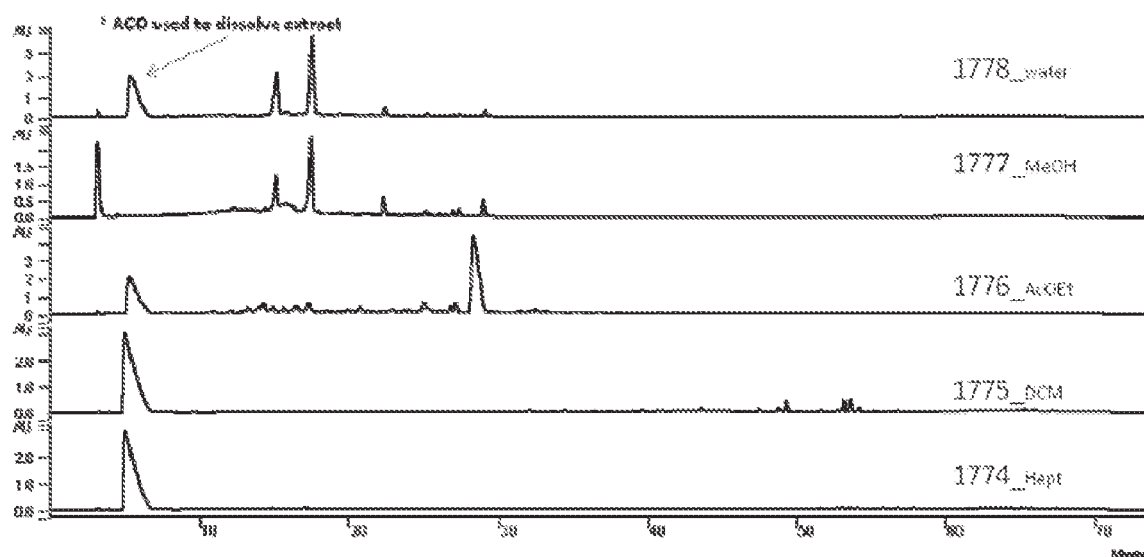
**HPLC profiles of the resulting extracts**

Figure 31

Time (second)	% Water+0.1% Tri Fluoro Acetic acid (TFA)	% Acetonitril	Flow (ml/min)
0:00	95	5	1
35:00	70	30	
50:00	40	60	
55:00	40	60	
60:00	0	100	
63:00	0	100	
65:00	95	5	
74:00	95	5	

