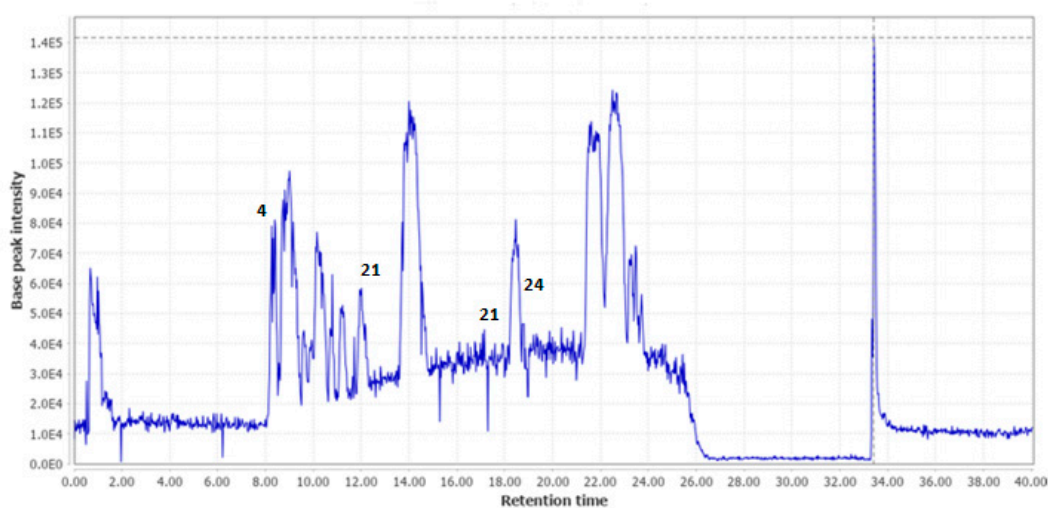
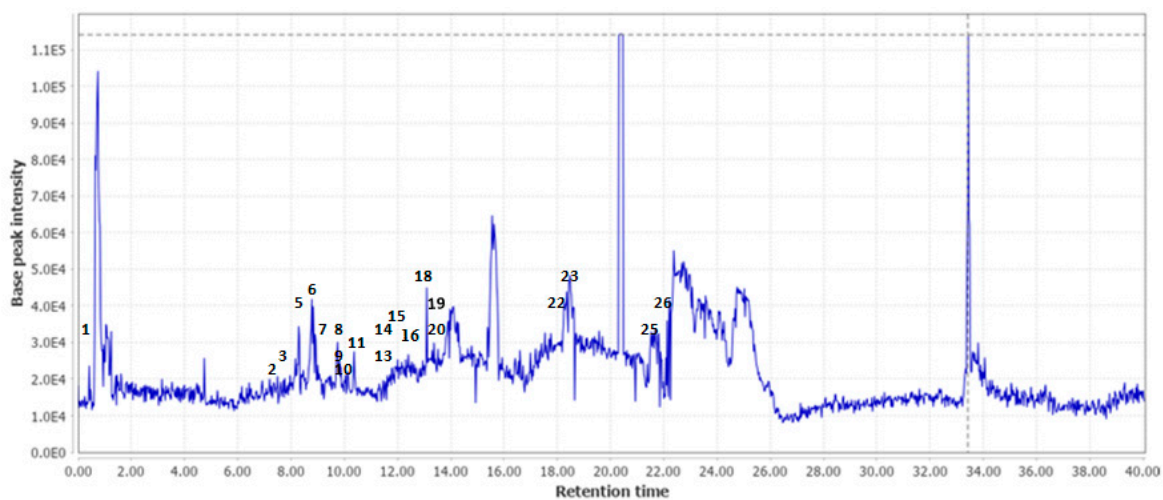


## SUPPLEMENTARY MATERIAL

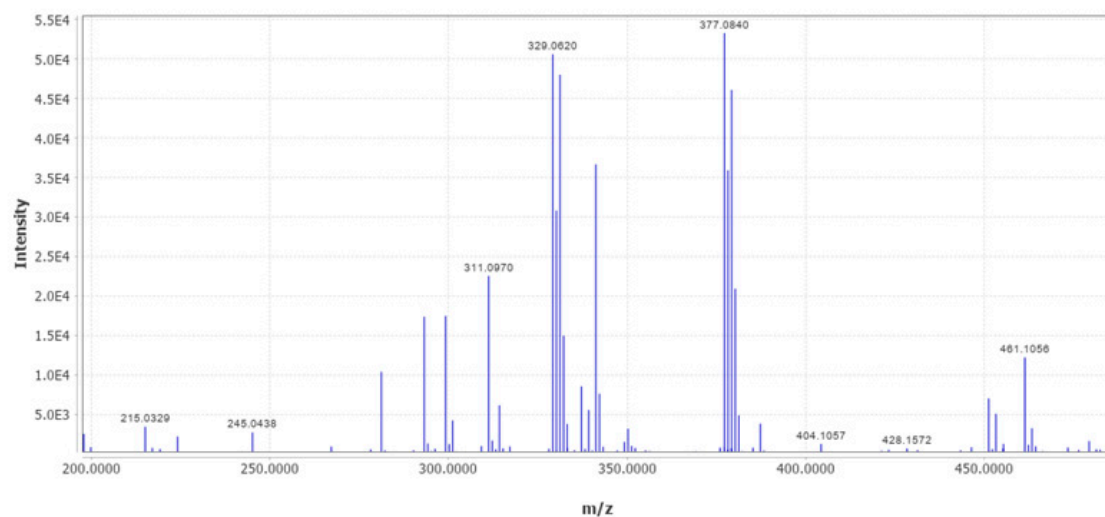
### Insights into Clematis cirrhosa L. Ethanol Extract: Cytotoxic Effects, LC-ESI-QTOF-MS/MS Chemical Profiling, Molecular Docking, and Acute Toxicity Study



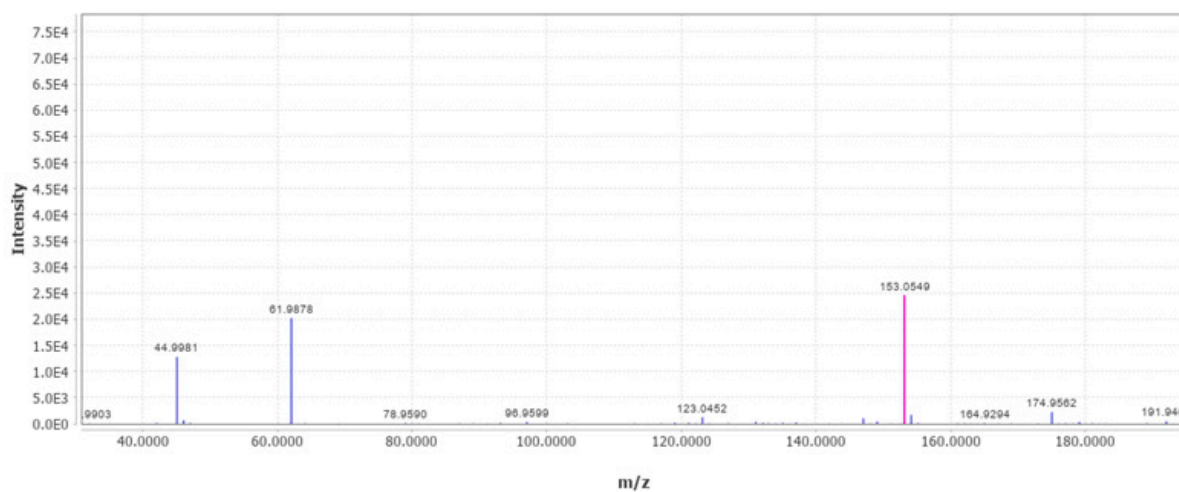
**Figure S1:** Total ion chromatogram of *C. cirrhosa* ethanol extract in the positive ionization mode



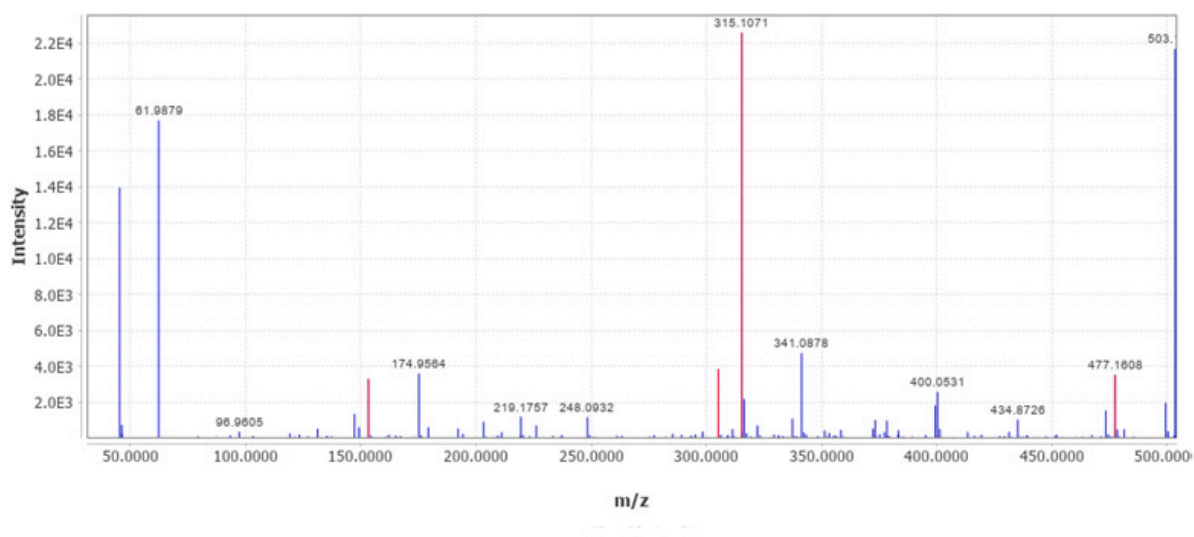
**Figure S2:** Total ion chromatogram of *C. cirrhosa* ethanol extract in the negative ionization mode



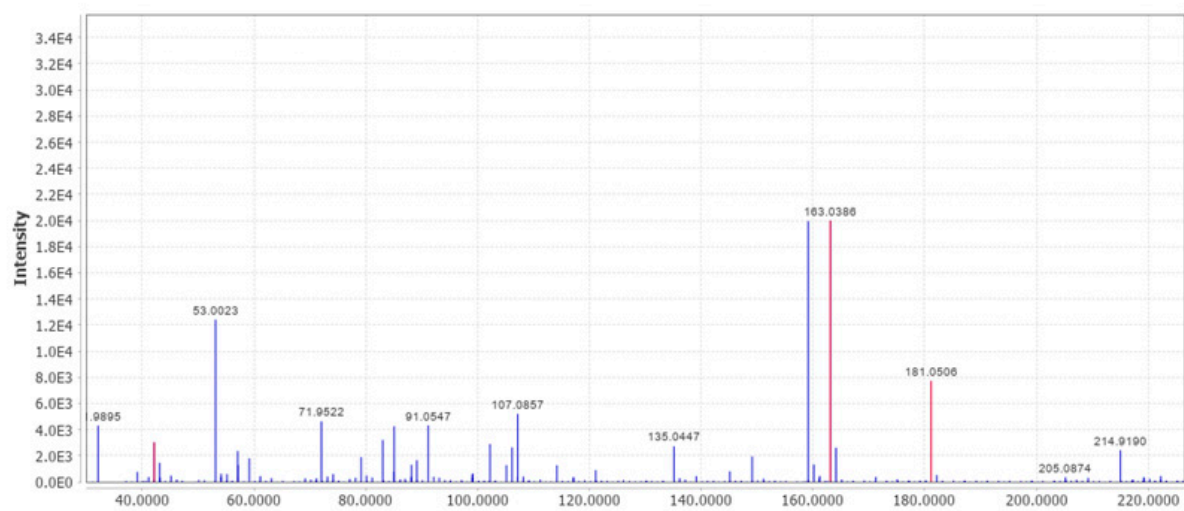
**Figure S3:** MS/MS spectrum of Chrysoeriol-O-hexoside (Peak 1)



**Figure S4:** MS/MS spectrum of hydroxytyrosol (Peak 2)



**Figure S5:** MS/MS spectrum of calceolarioside B (Peak 3)



**Figure S6:** MS/MS spectrum of caffeic acid (Peak 4)

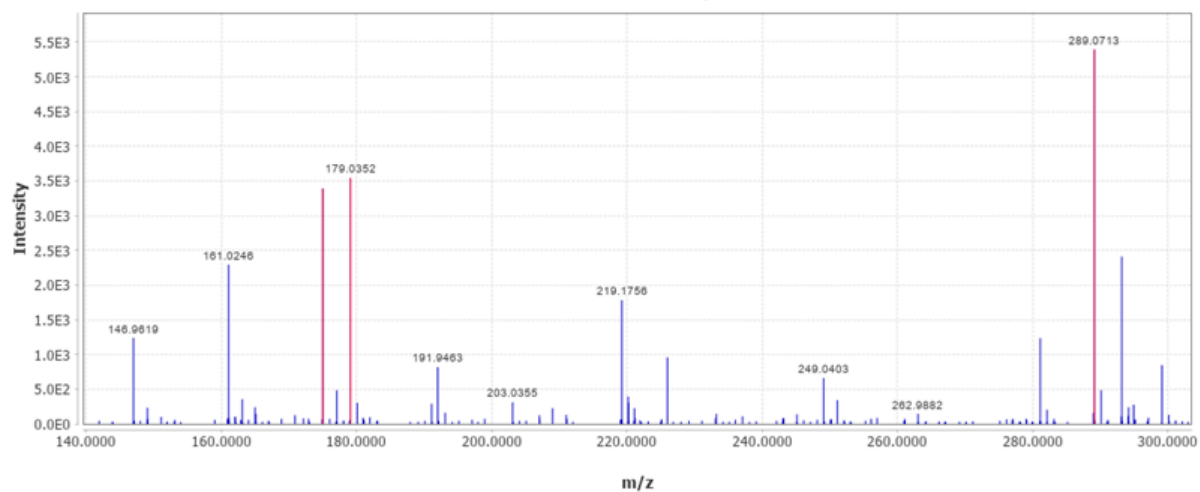


Figure S7: MS/MS spectrum of catechin (Peak 5)

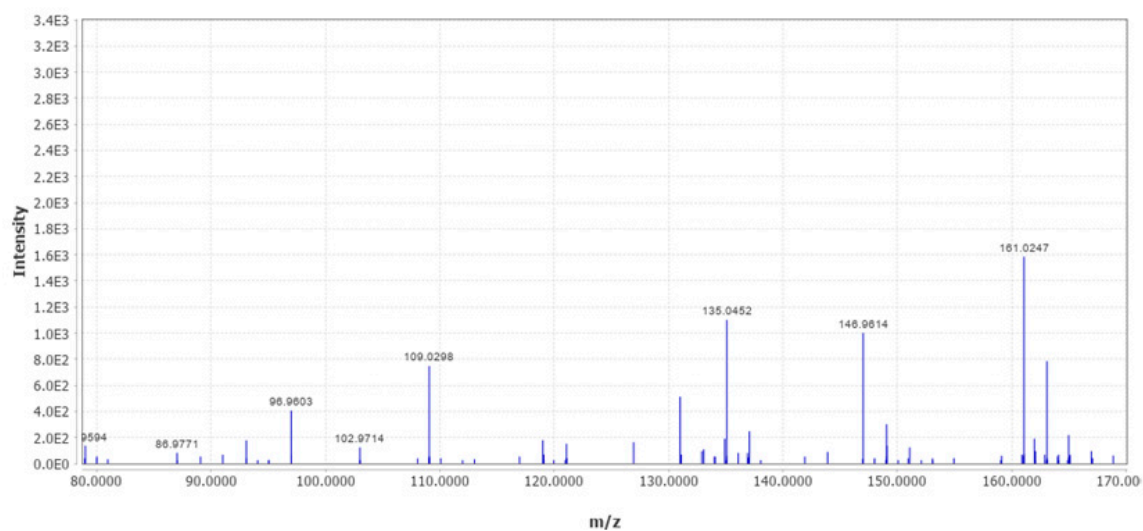
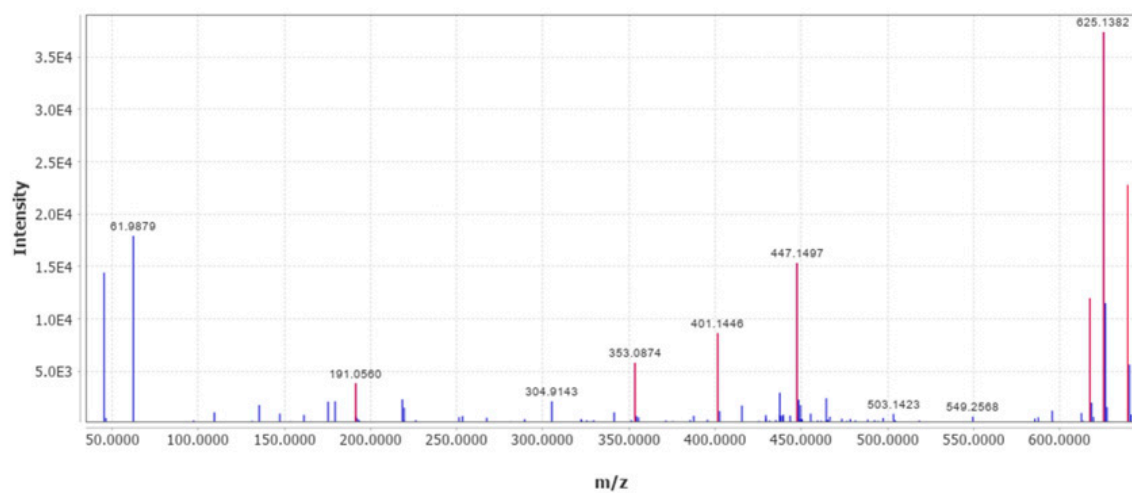
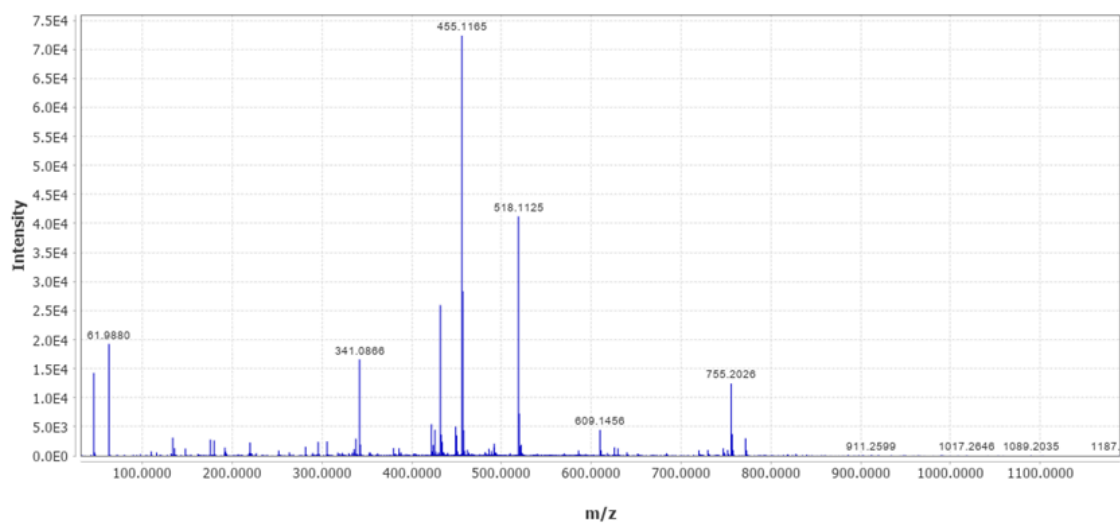


Figure S8: MS/MS spectrum of *p*-coumaric acid (Peak 6)

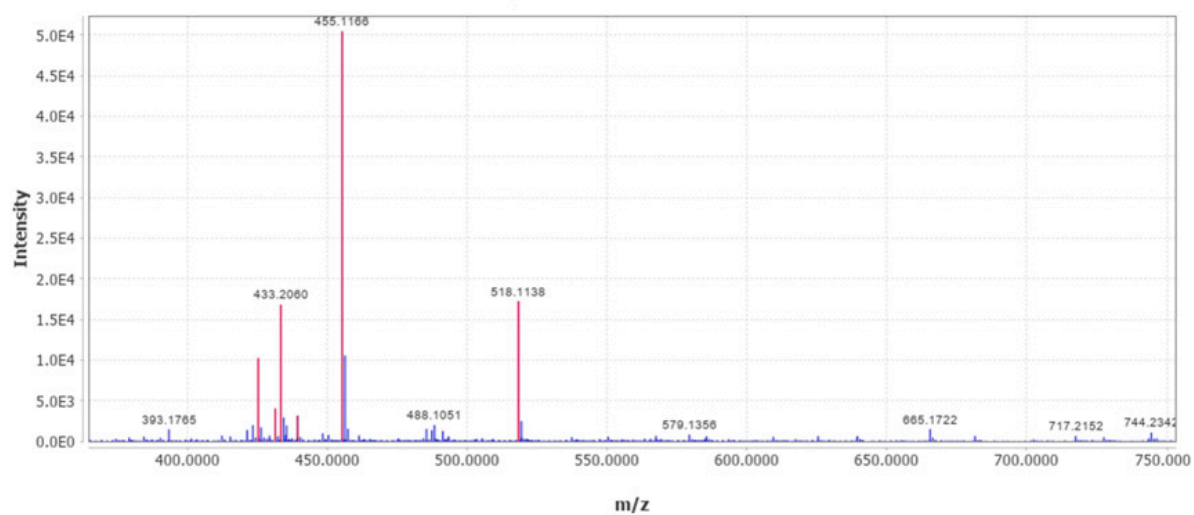




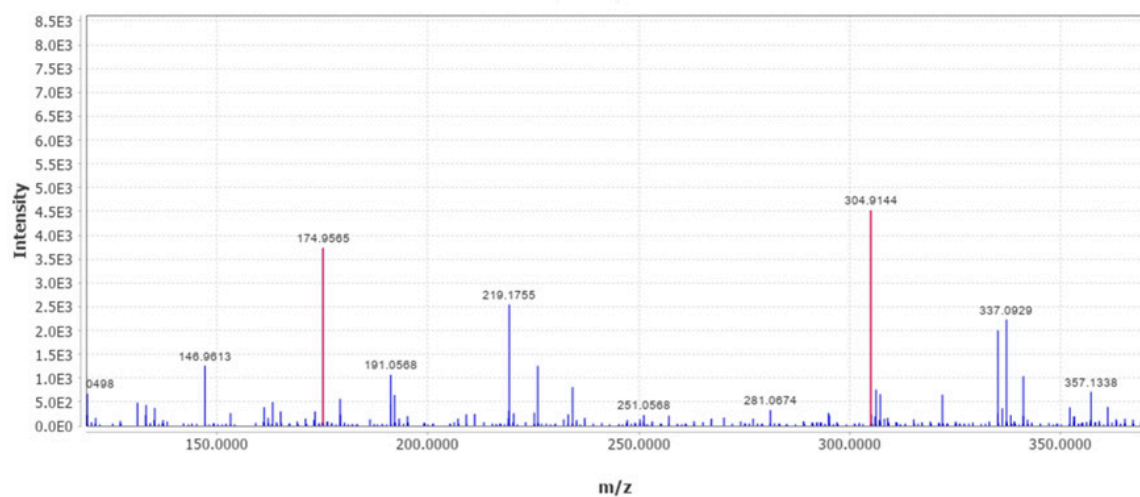
**Figure S9:** MS/MS spectrum of Quercetin-3,7-O-dihexoside (Peak 7)



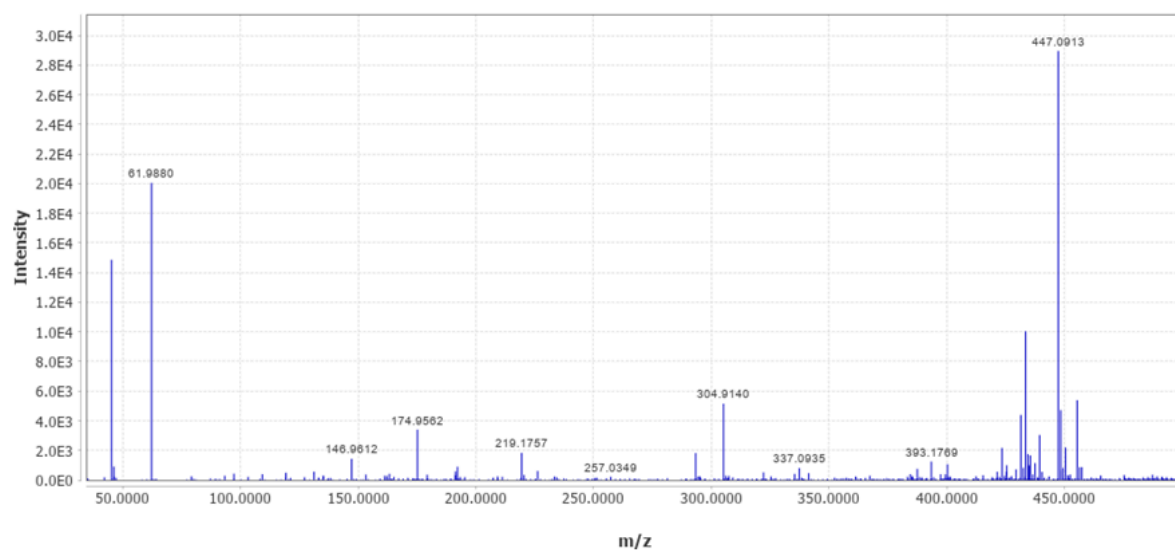
**Figure S10:** MS/MS spectrum of Manghaslin (Peak 8)



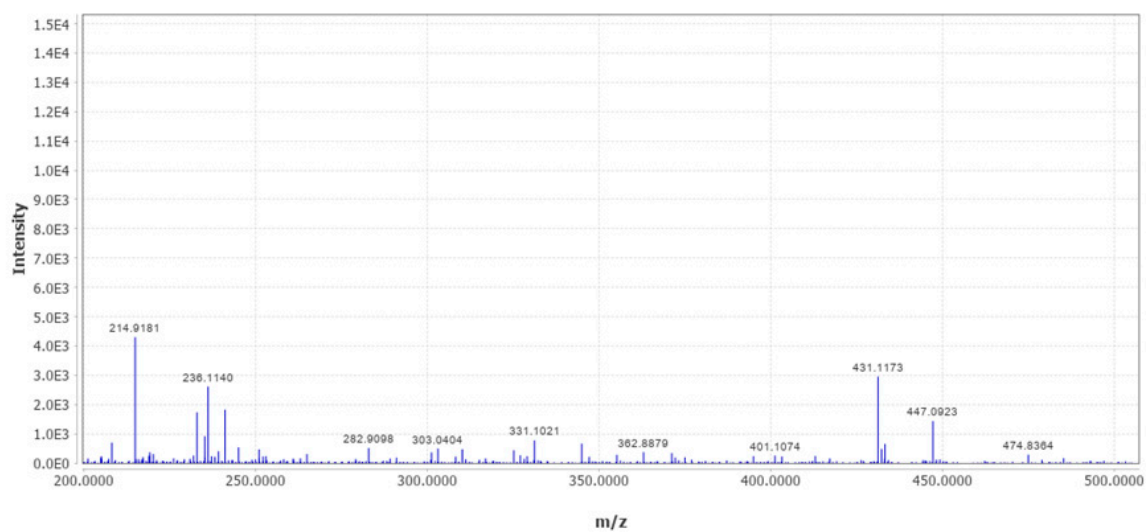
**Figure S11:** MS/MS spectrum of salvadoraside (Peak 9)



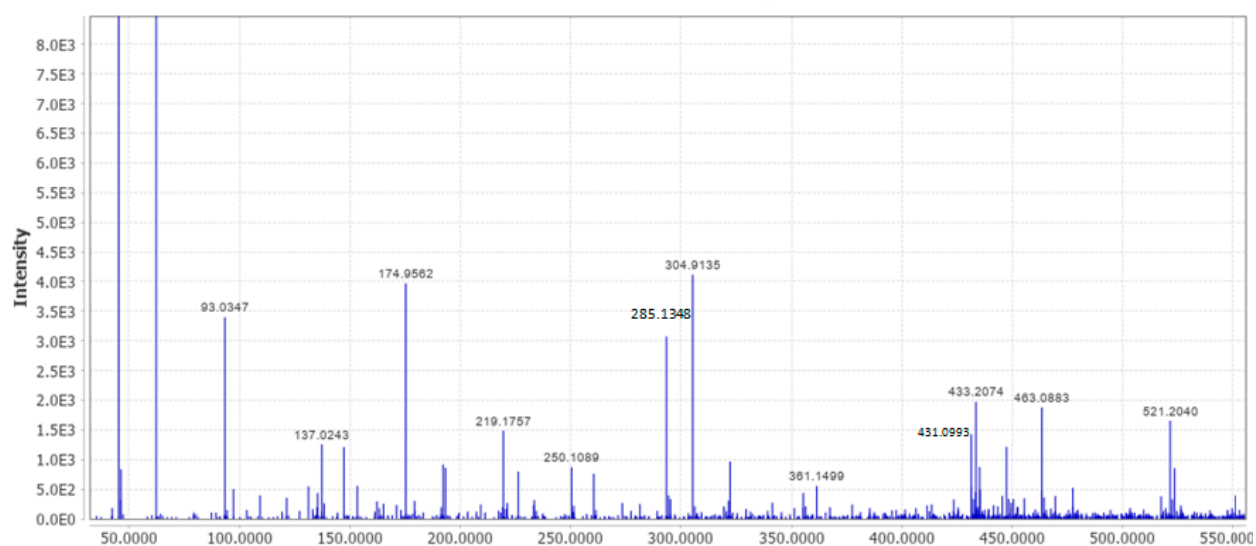
**Figure S12:** MS/MS spectrum of Pinoresinol (Peak 10)



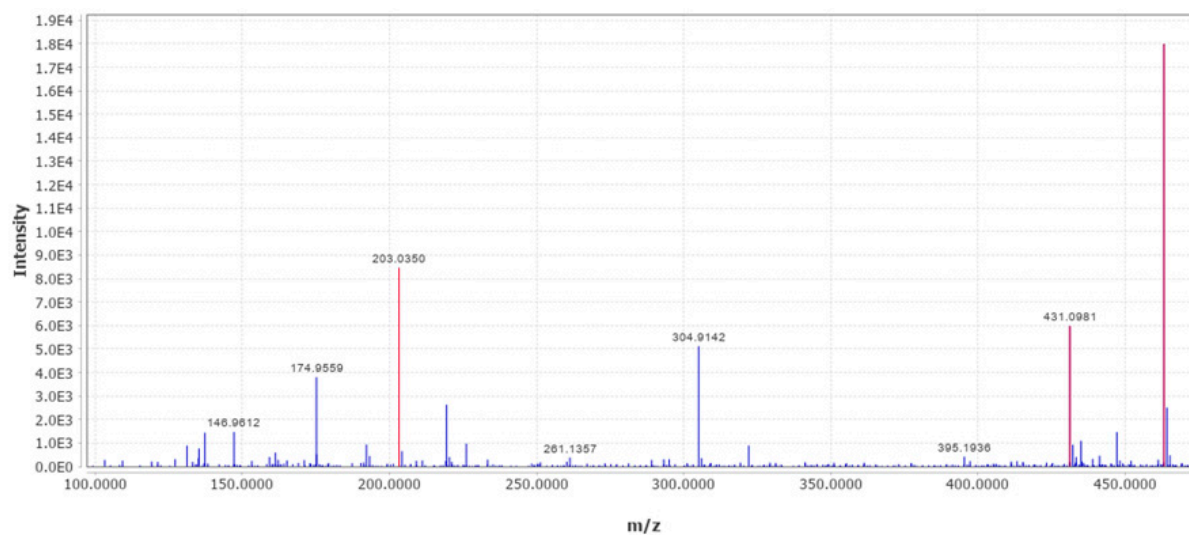
**Figure S13:** MS/MS spectrum of Vincetoxicose B (Peak 11)



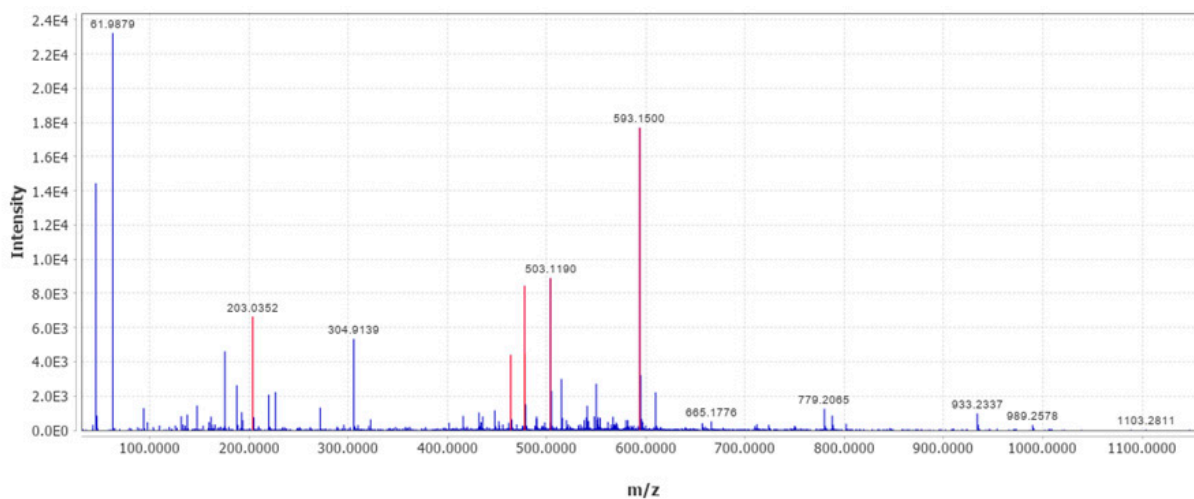
**Figure S14:** MS/MS spectrum of Orientin (Peak 12)



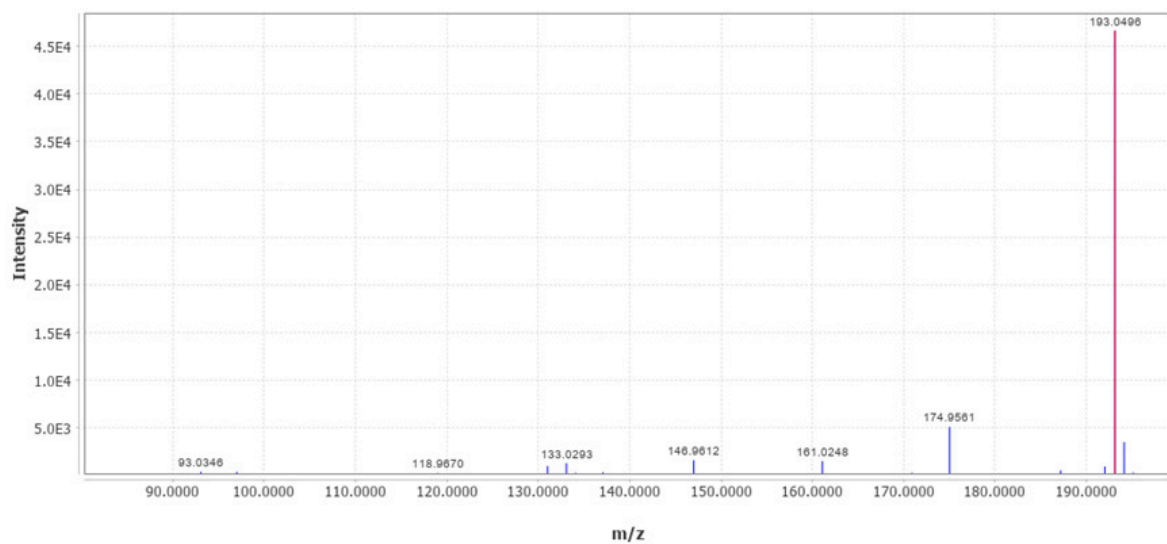
**Figure S15:** MS/MS spectrum of Kaempferol-3,7-O-dirhamnoside (Peak 13)



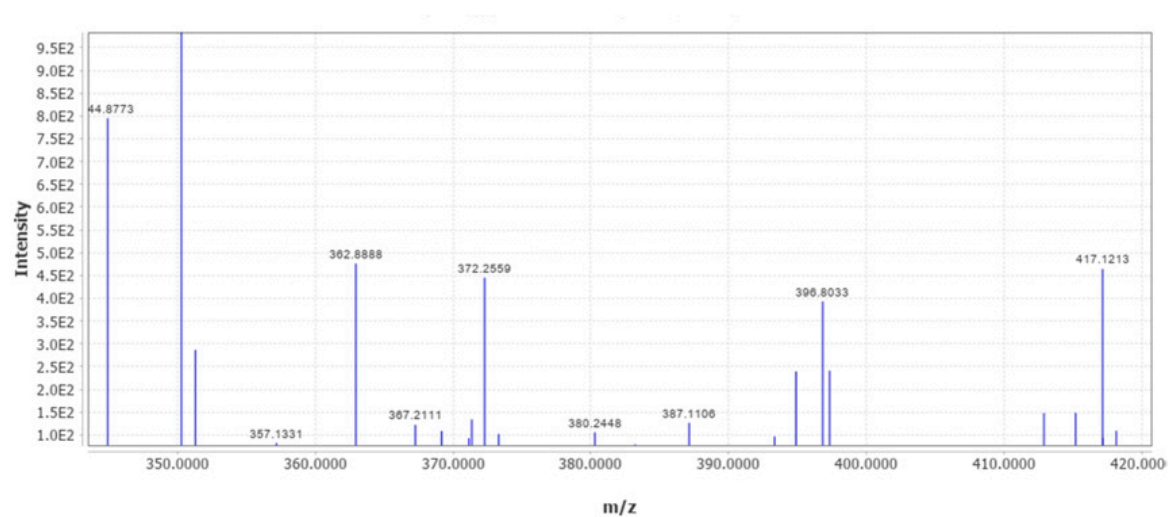
**Figure S16:** MS/MS spectrum of Isoquercitrin (Peak 14)



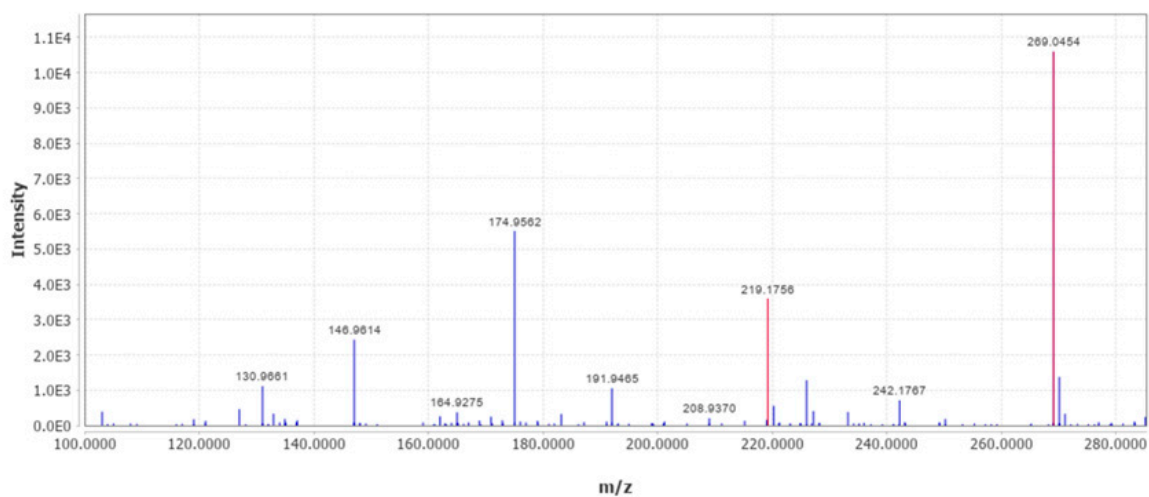
**Figure S17:** MS/MS spectrum of Kaempferol-O-rutinoside (Peak 15)



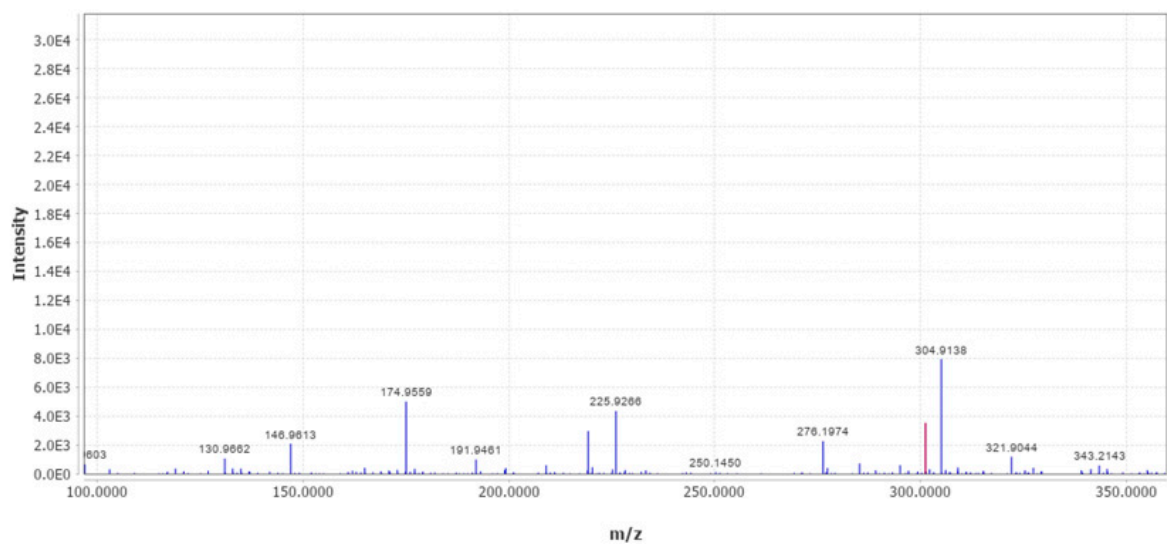
**Figure S18:** MS/MS spectrum of Ferulic acid (Peak 16)



**Figure S19:** MS/MS spectrum of Puerarin (Peak 17)



**Figure S20:** MS/MS spectrum of Genistein (Peak 18)



**Figure S21:** MS/MS spectrum of Quercetin (Peak 19)

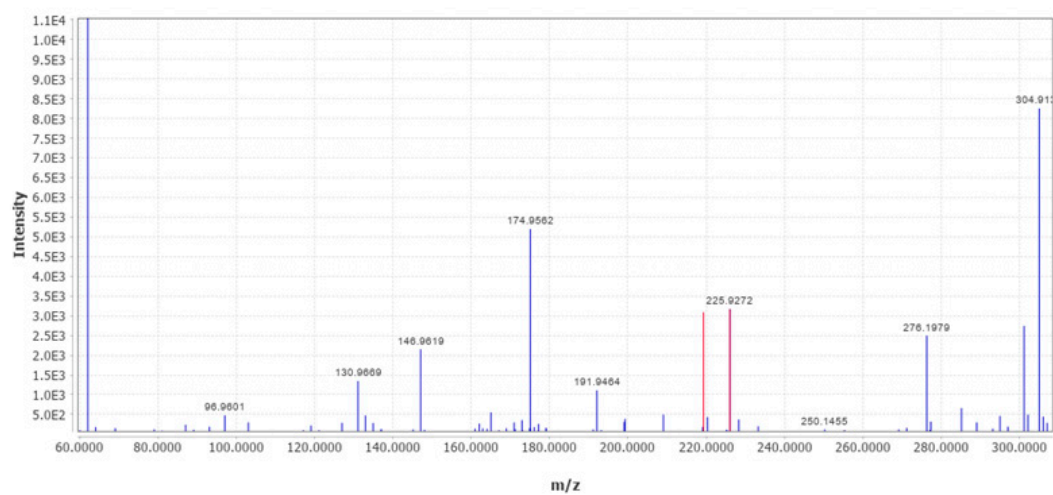


Figure S22: MS/MS spectrum of Luteolin (Peak 20)

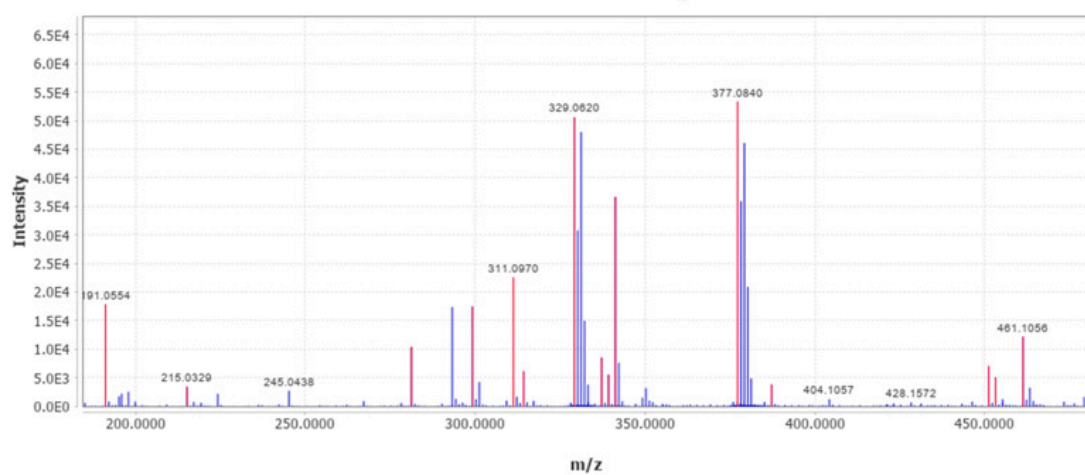
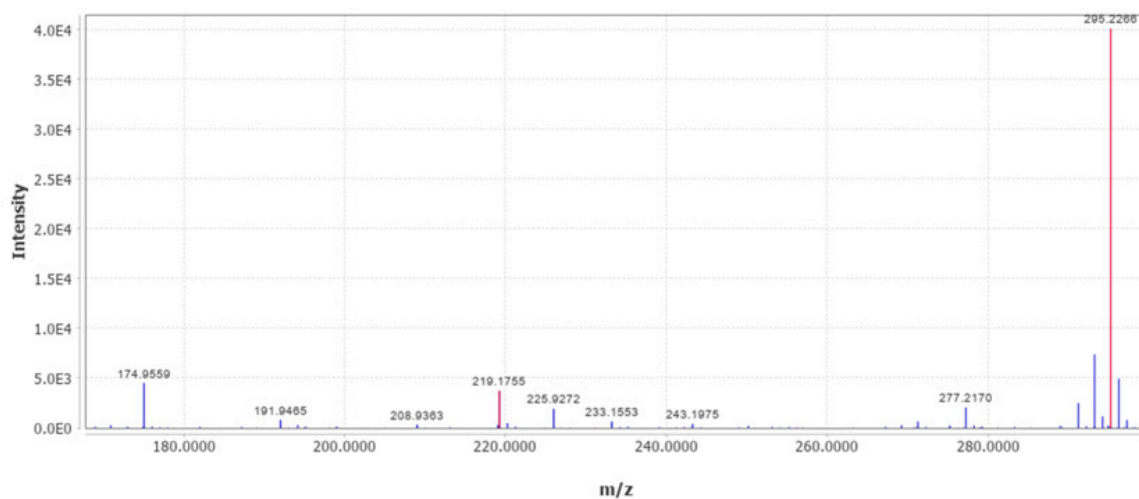
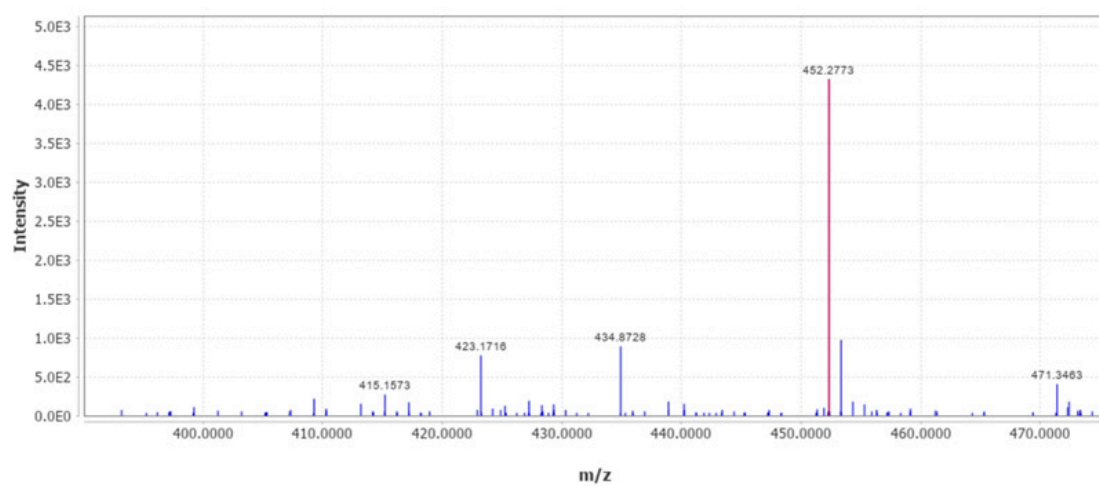


Figure S23: MS/MS spectrum of Tectoridin (Peak 21)

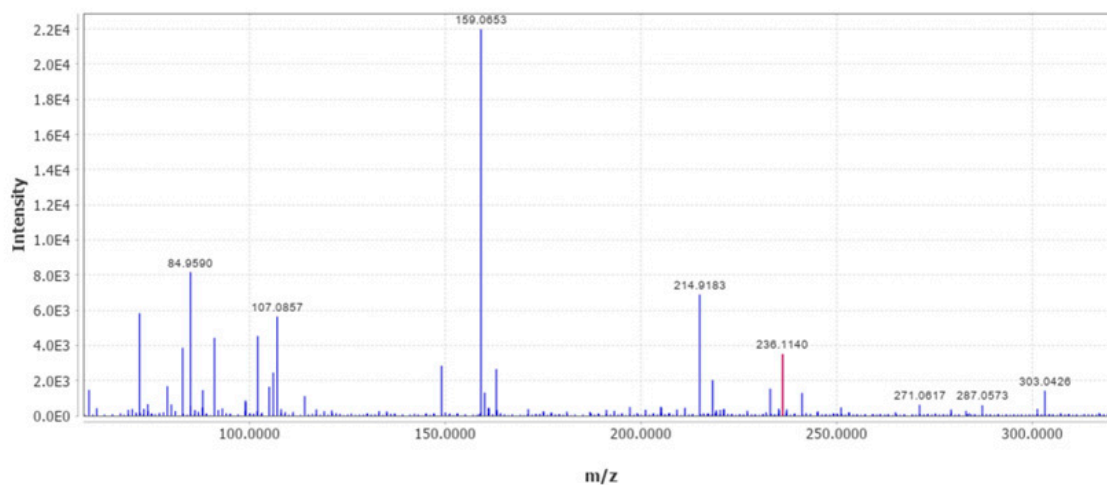




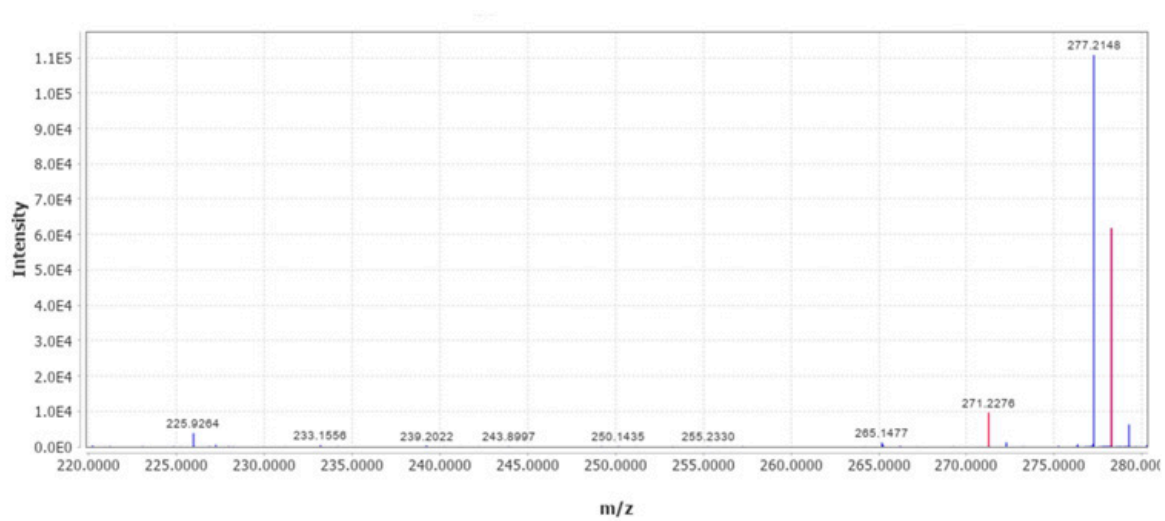
**Figure S24:** MS/MS spectrum of hydroxy octadecadienoic acid (Peak 22)



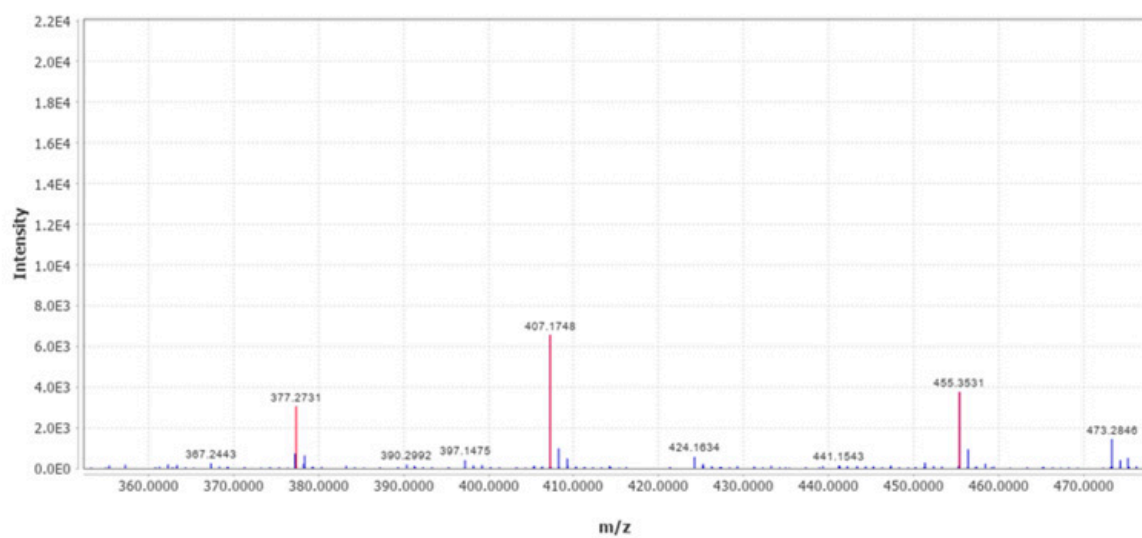
**Figure S25:** MS/MS spectrum of Hederagenin (Peak 23)



**Figure S26:** MS/MS spectrum Acacetin (Peak 24)



**Figure S27:** MS/MS spectrum of Hydroxy palmitic acid (Peak 25)

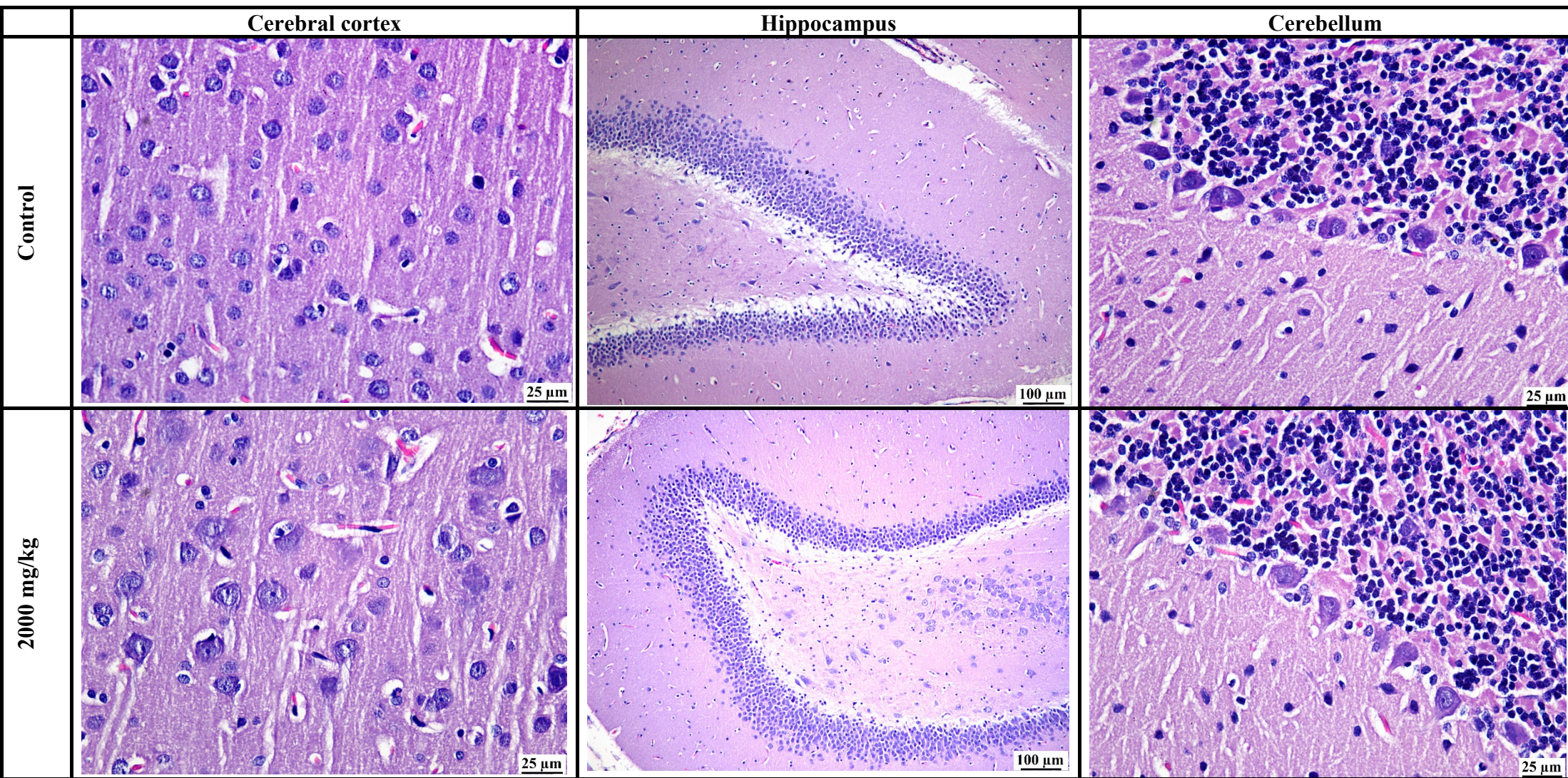


**Figure S28:** MS/MS spectrum of Oleanolic acid (Peak 26)

	<b>Control</b>	<b>2000 mg/kg</b>	<b>5000 mg/kg</b>
<b>Initial weight (g)</b>	192 ± 11.2	189 ± 17.8	180 ± 14.9
<b>Final weight (g)</b>	212 ± 10.6	204 ± 18.9	197 ± 17.4
<b>Body weight gain (g)</b>	20.4 ± 5.81	14.8 ± 2.28	17.2 ± 3.96
<b>Body weight gain (%)</b>	10.7 ± 3.23	7.85 ± 1.15	9.53 ± 1.92

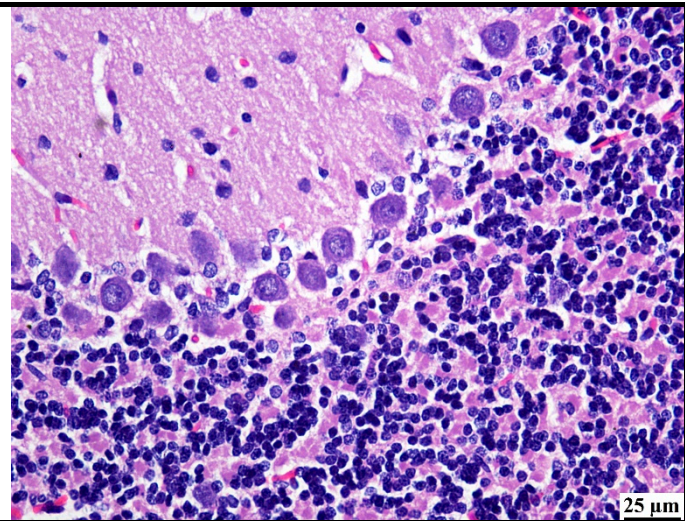
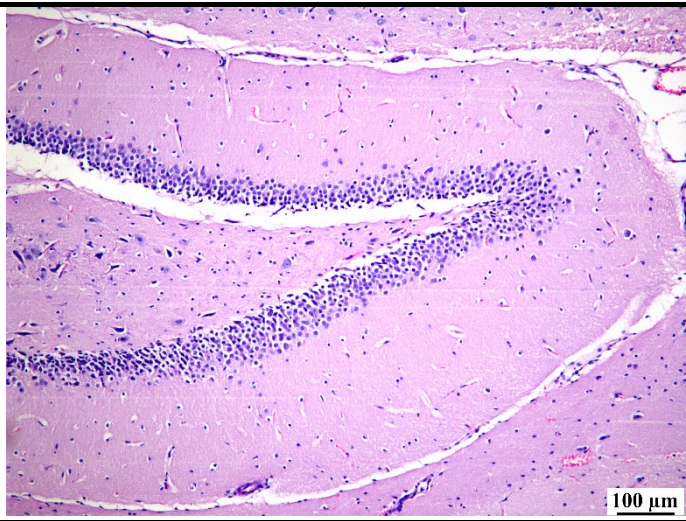
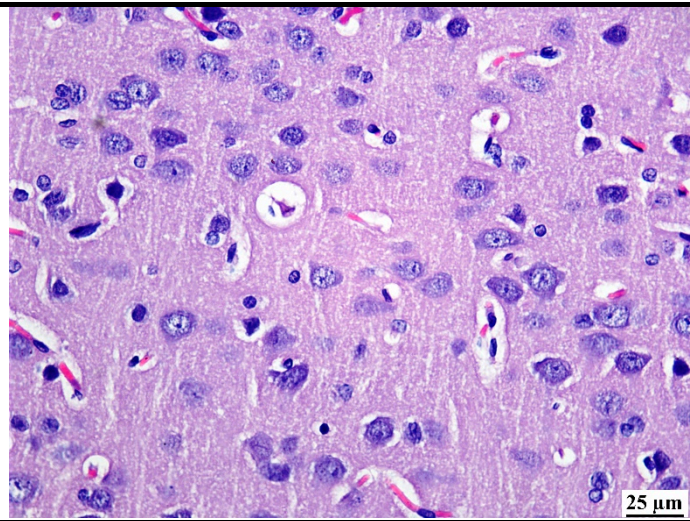
**Table S1:** Effect of CEE on body weight changes



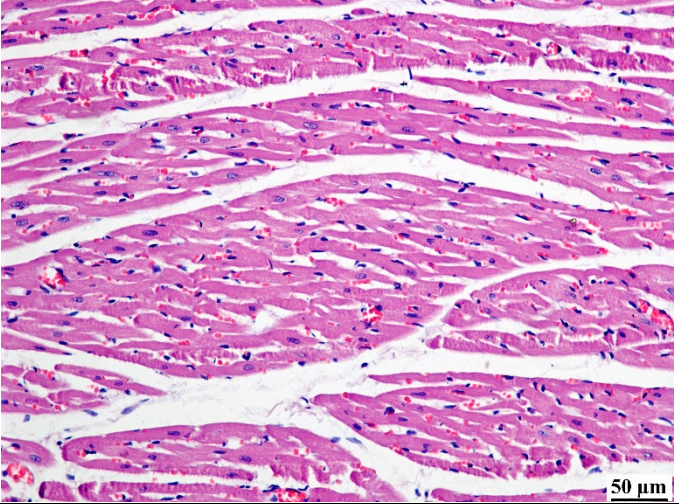
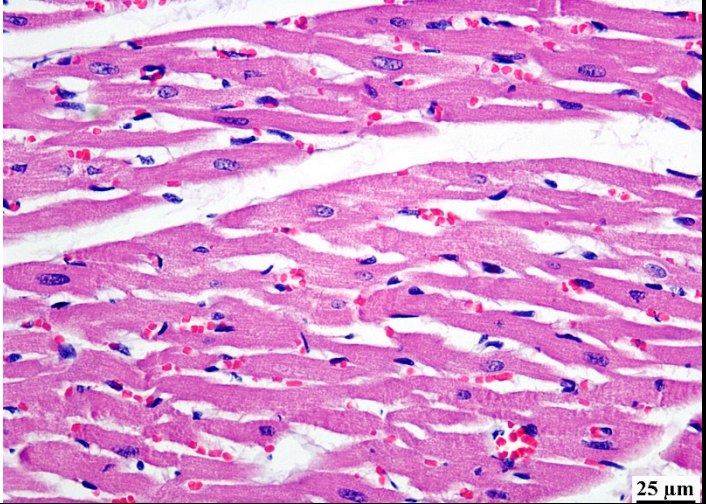
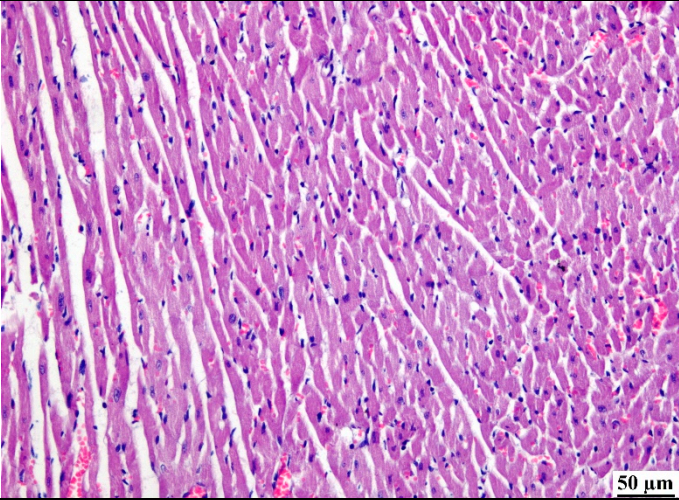
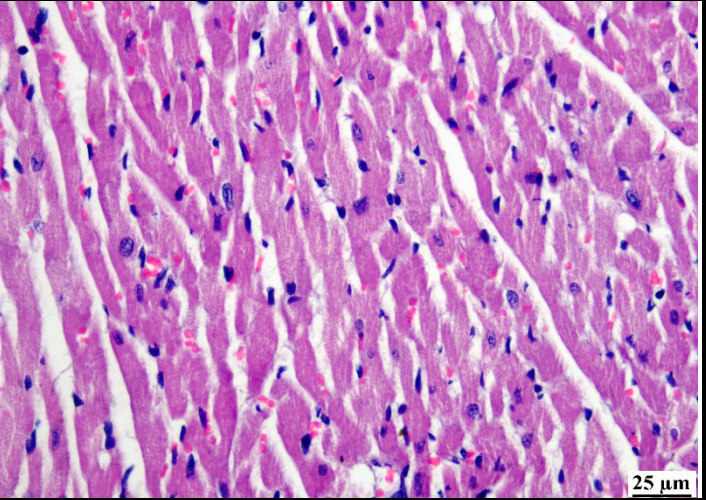
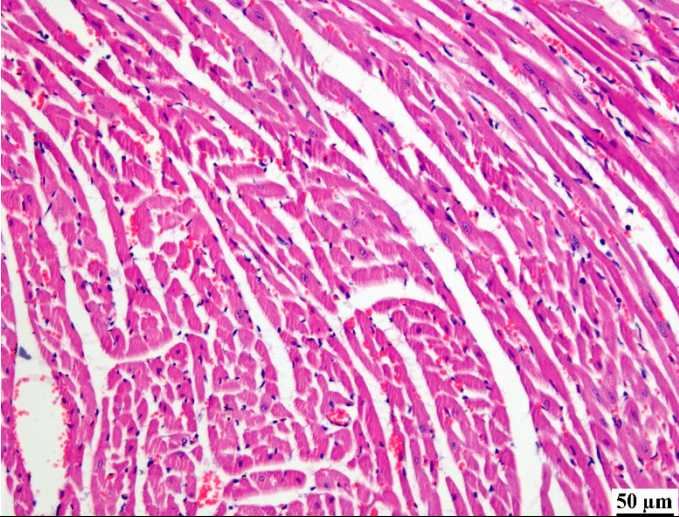
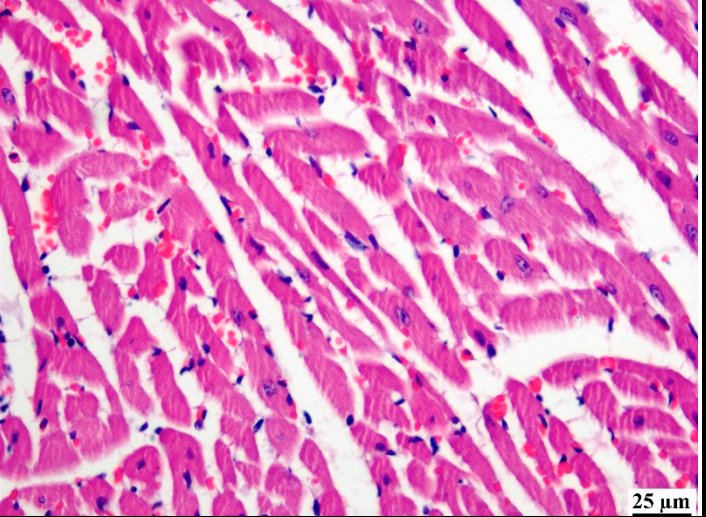




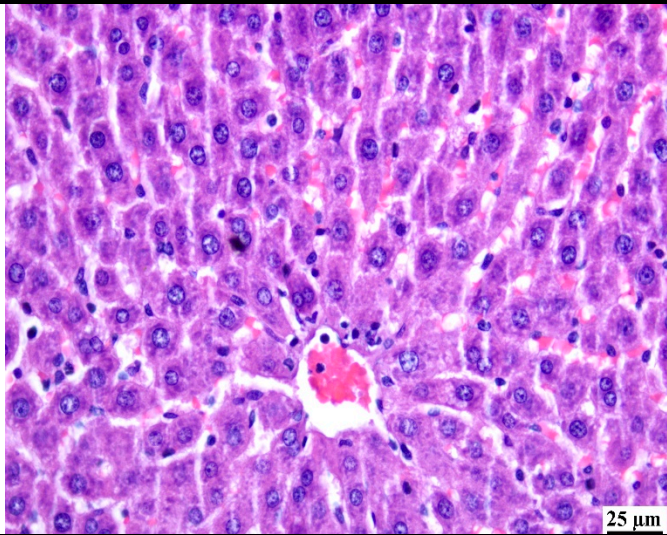
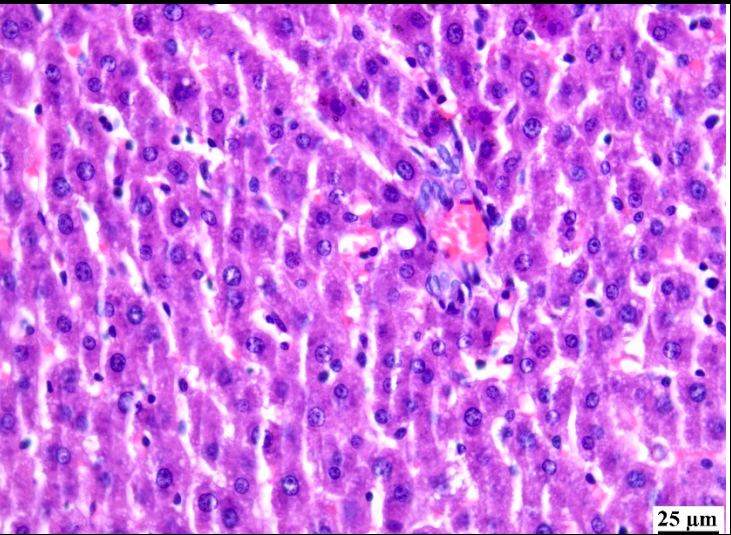
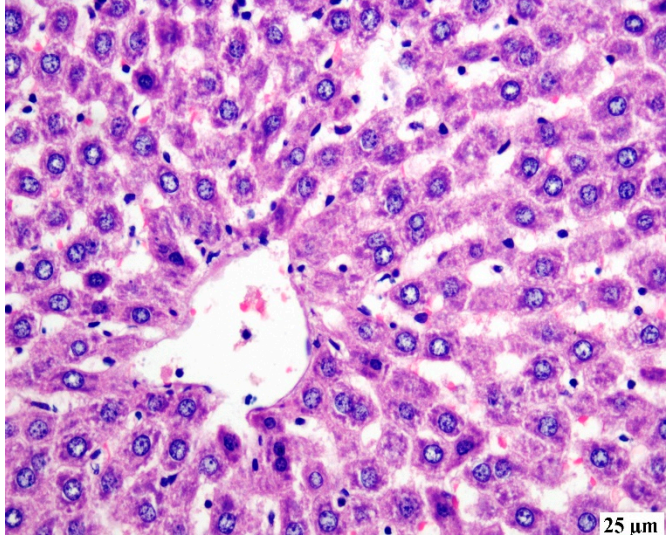
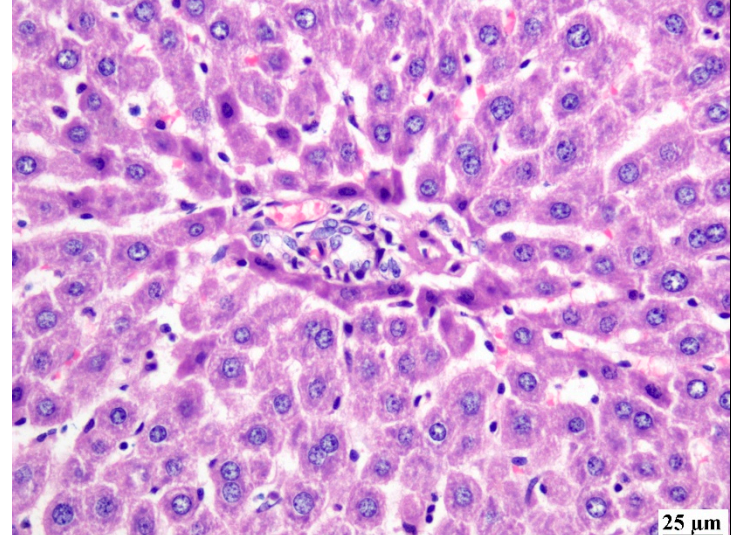
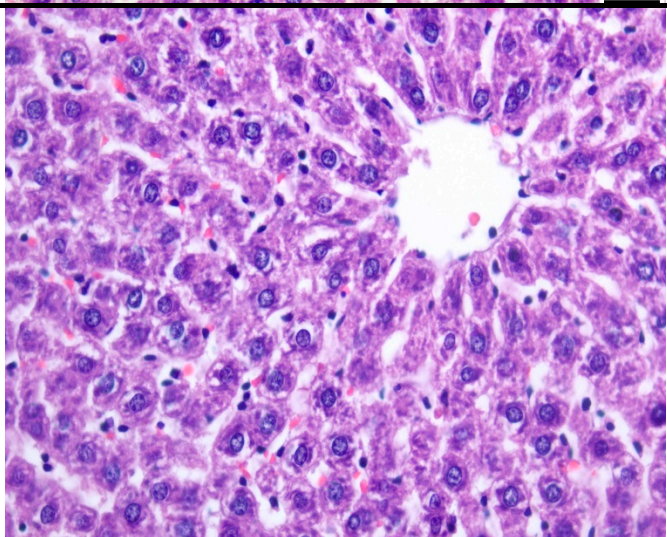
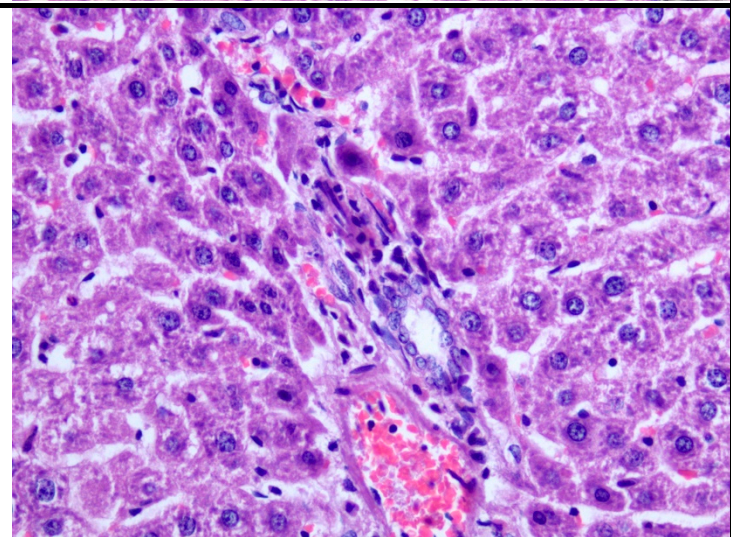
5000 mg/kg





	200X	400X
Cont rol	 50 μm	 25 μm
2000 mg/ kg	 50 μm	 25 μm
5000 mg/ kg	 50 μm	 25 μm



	Centrilobular area	Portal area
Contro 1	 25 μm	 25 μm
2000 mg/kg	 25 μm	 25 μm
5000 mg/kg	 25 μm	 25 μm



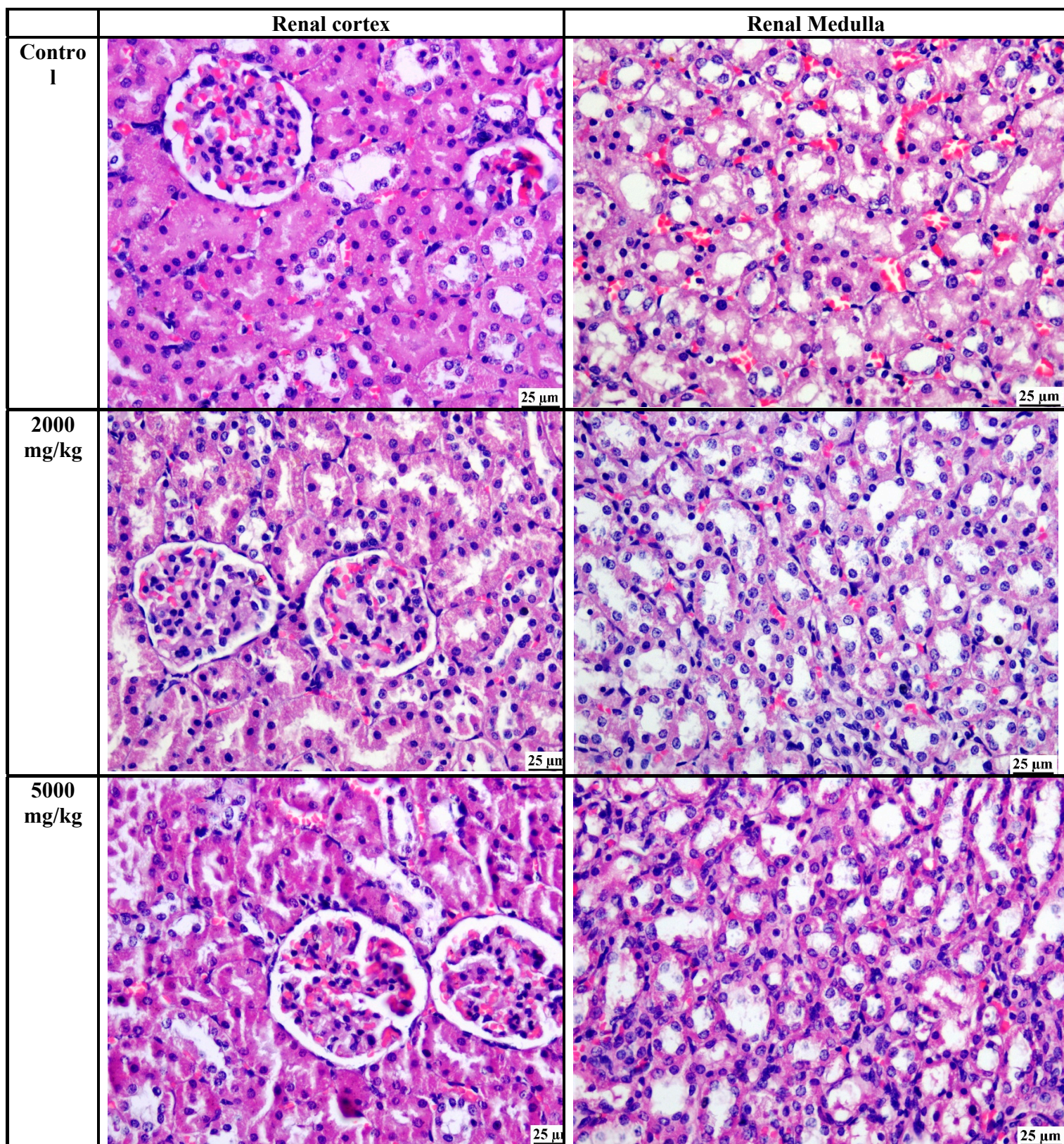


Figure S29: Microscopic examination of different brain regions, heart, liver, and kidney