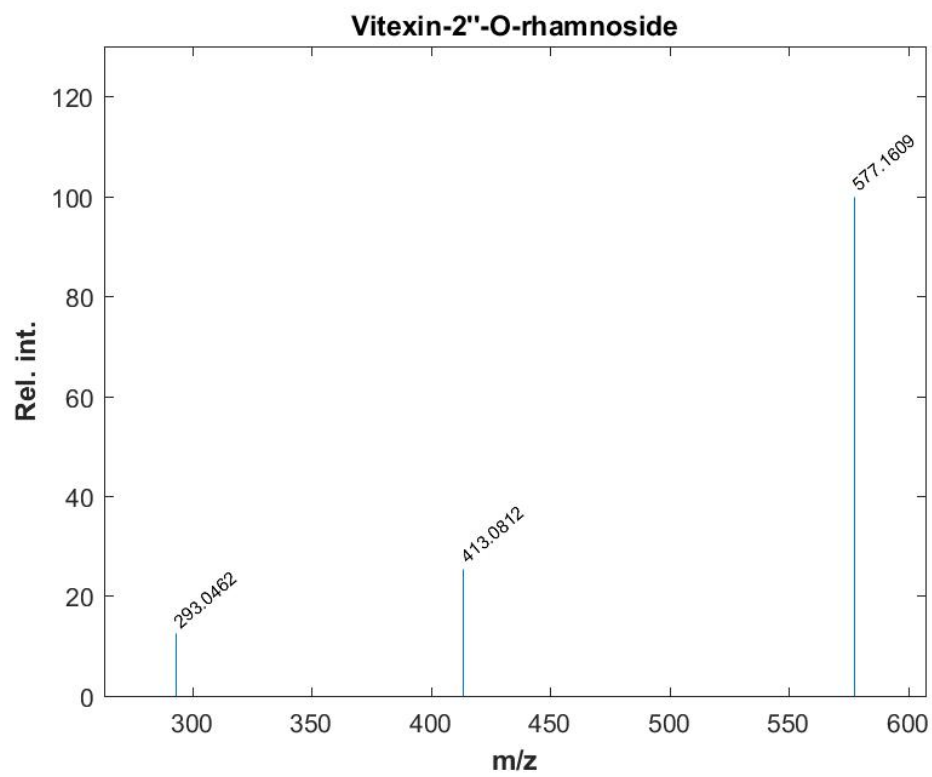
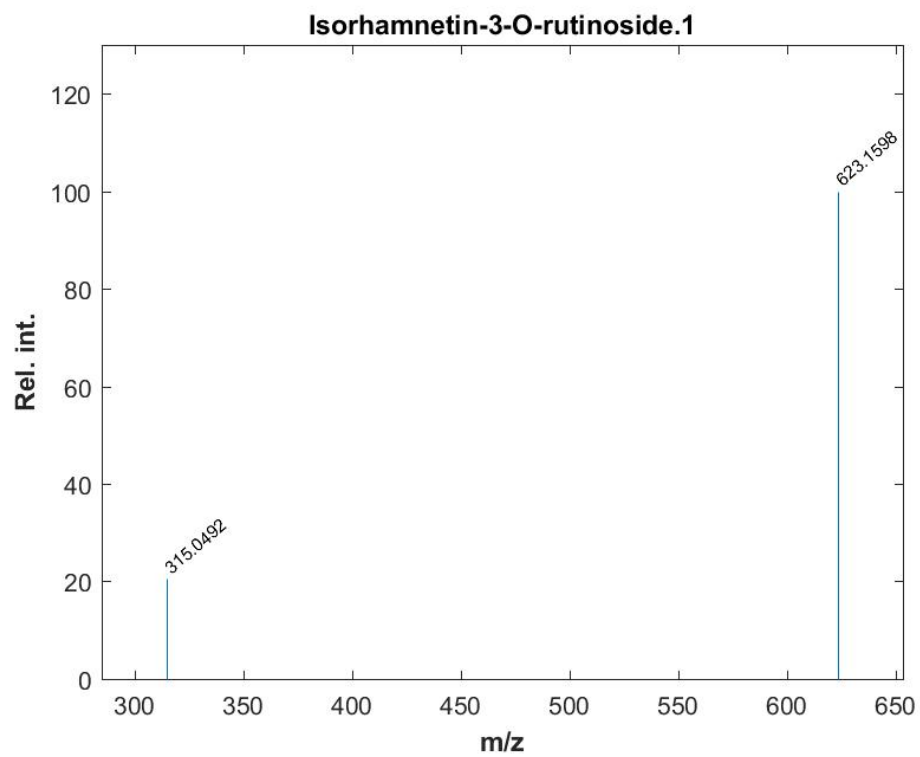
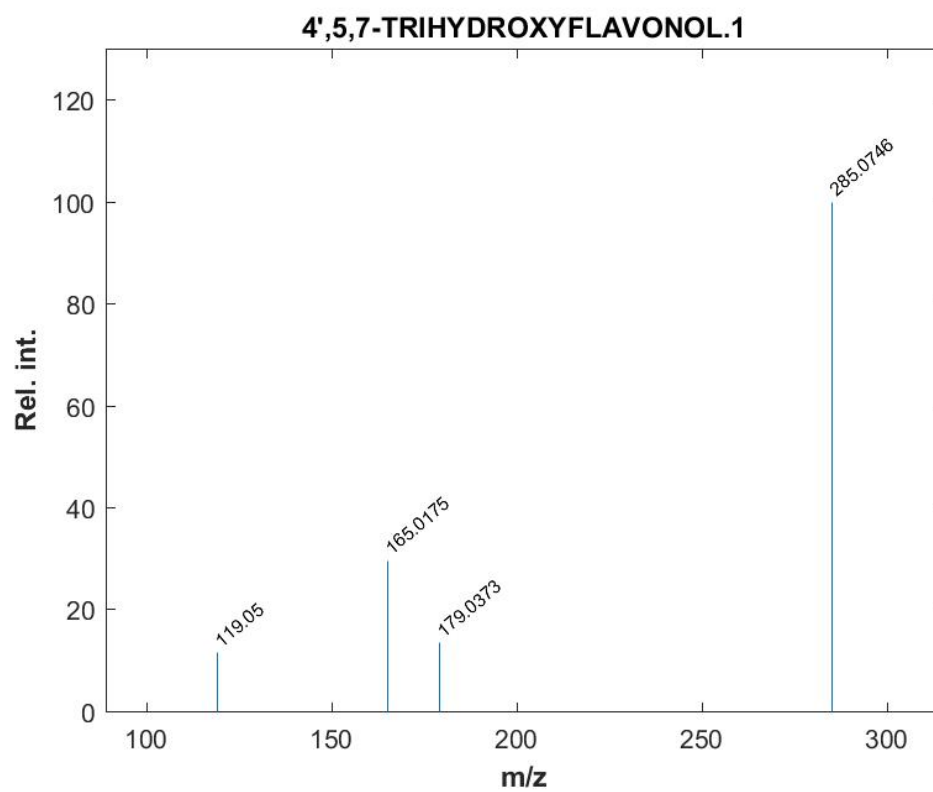
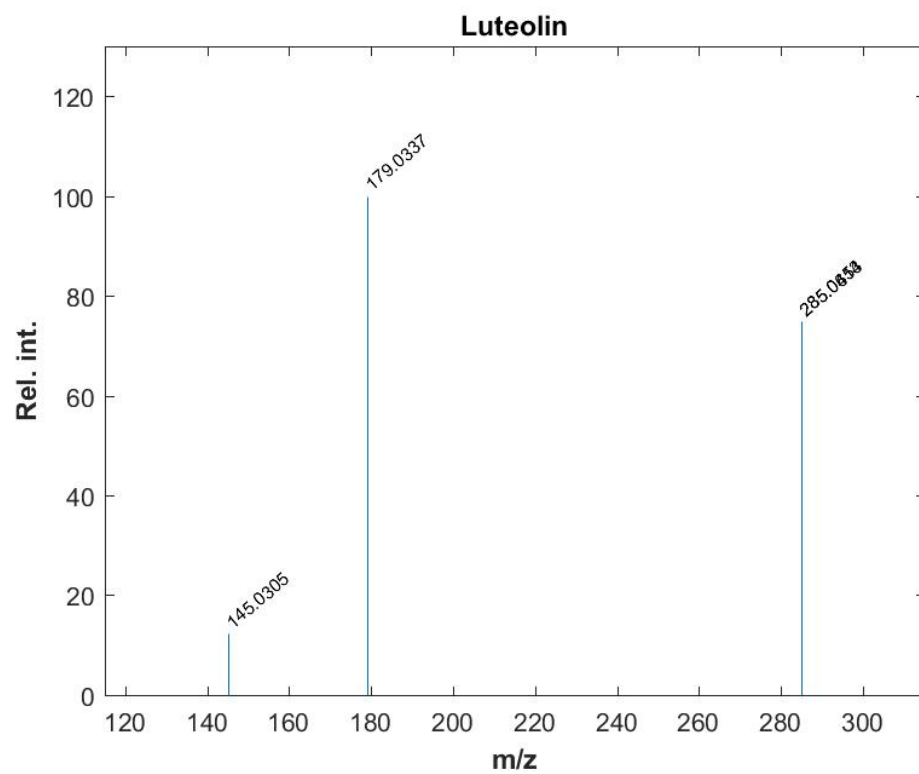
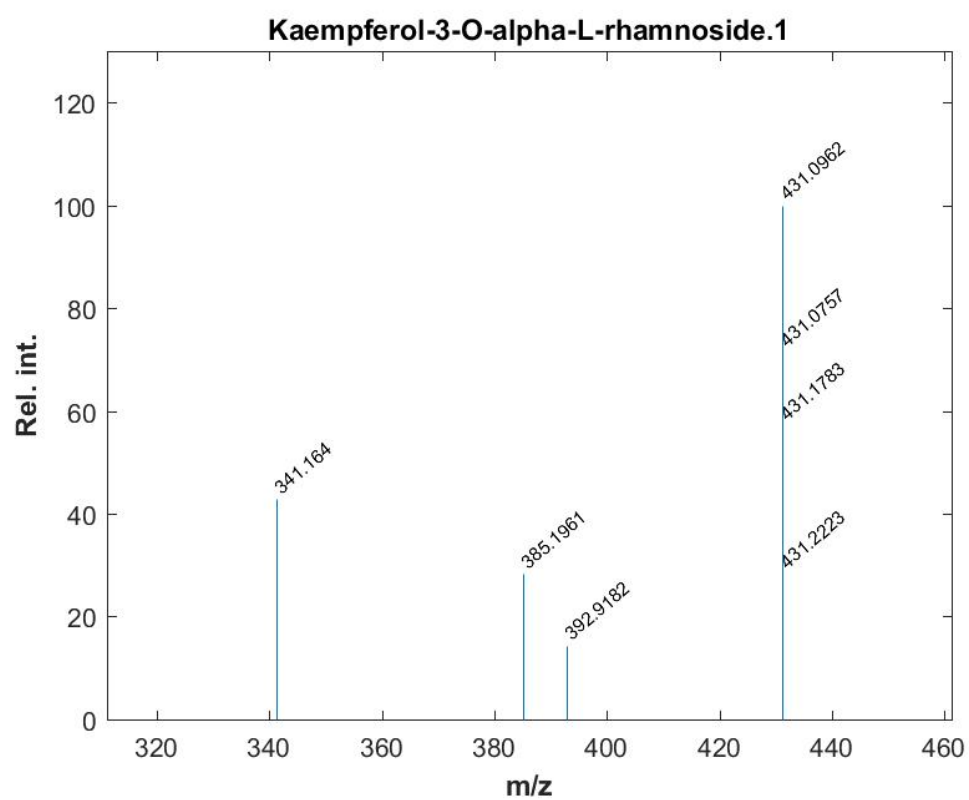
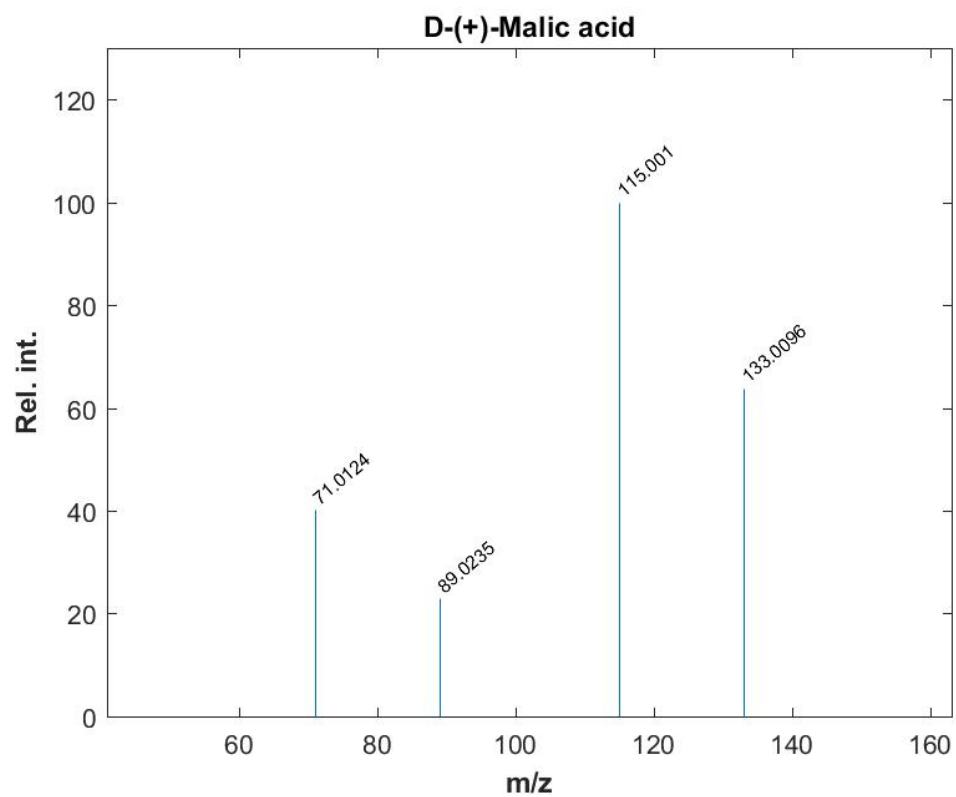


**Figure S1:** TIC and BPC of LC-ESI-MS/MS analysis of *Yucca gigantea* methanol extract in negative ionization mode







**Figure S2:** The MS/MS spectrum of the major identified compounds.

**Table S1.**  $^1\text{H}$  NMR (DMSO- $d_6$ , 400 MHz) and  $^{13}\text{C}$  NMR (DMSO- $d_6$ , 100 MHz) for the isolated pure compounds.

	Compound I Luteolin- 7- <i>O</i> - $\beta$ -D-glucoside		Compound II Apigenin- 7- <i>O</i> - $\beta$ -D-glucoside		Compound III Kaempferol-3- <i>O</i> - $\alpha$ -L-rhamnoside	
	$\delta\text{H}$	$\delta\text{C}$	$\delta\text{H}$	$\delta\text{C}$	$\delta\text{H}$	$\delta\text{C}$
<b>2</b>		164.6		163.0		157.7
<b>3</b>	6.77 (s)	103.3	6.83 (s)	103.2		133.5
<b>4</b>		181.9		182.1		178.2
<b>5</b>		161.2		161.5		161.7
<b>6</b>	6.44 (d $J = 2.4$ )	99.6	6.45 (d, $J = 2.0$ )	99.6	6.21 (d, $J = 1.6$ )	99.4
<b>7</b>		163.0		164.3		164.1
<b>8</b>	6.78 (d $J = 2.4$ )	94.8	6.93 (d, $J = 2.0$ )	94.9	6.43 (d, $J = 1.6$ )	94.2
<b>9</b>		157.0		161.5		154.9
<b>10</b>		105.4		105.4		104.6
<b>1'</b>		121.5		121.1		120.9
<b>2'</b>	7.45 (d, $J = 2.4$ )	113.7	7.95 (d, $J = 8.0$ )	128.7	7.77 (dd, $J = 8.0, 1.6$ )	131.0
<b>3'</b>		145.9	6.94 (d, $J = 8.0$ )	116.1	6.92 (dd, $J = 8.0, 1.6$ )	115.9
<b>4'</b>		150.0		161.2		160.4
<b>5'</b>	6.91 (d, $J = 8.0$ )	116.1	6.94 (d, $J = 8.0$ )	116.1	6.92 (dd, $J = 8.0, 1.6$ )	115.9
<b>6'</b>	7.42 (dd, $J = 8.0, 2.4$ )	119.3	7.95 (d, $J = 8.0$ )	128.7	7.77 (dd, $J = 8.0, 1.6$ )	131.4
<b>1''</b>	4.69 (m)	99.9	5.06 (d, $J = 7.2$ )	99.9	5.29 (s)	102.2
<b>2''</b>	3.71 (m)	73.2	3.72 (m)	73.2	3.98 (m)	70.6
<b>3''</b>	4.61 (m)	77.2	4.60 (m)	76.5	3.48 (m)	70.8
<b>4''</b>	5.05 (m)	69.6	5.06 (m)	69.6	3.15 (m)	71.5
<b>5''</b>	5.11 (m)	76.5	5.12 (m)	77.3	3.08 (m)	71.1
<b>6''</b>	5.39 (m)	60.7	5.38 (m)	60.7	0.79 (d, $J = 5.6$ )	17.9