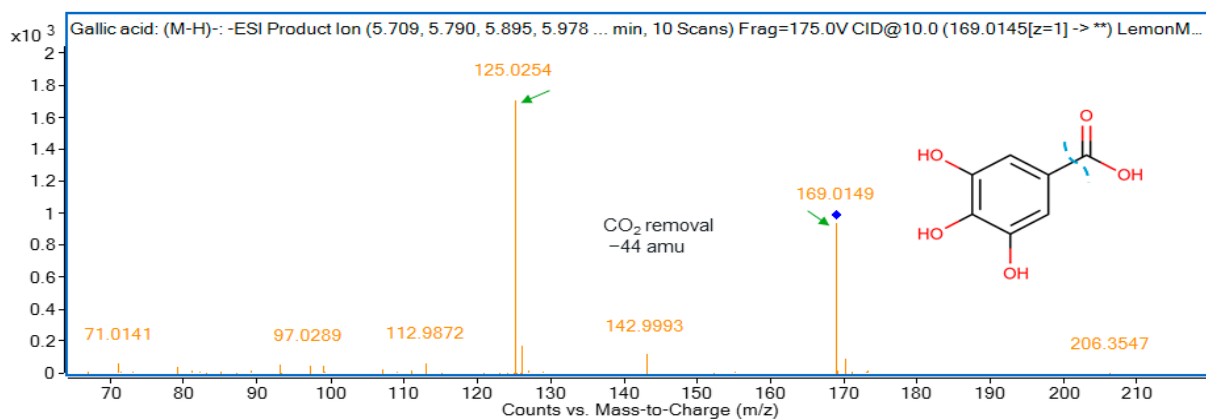


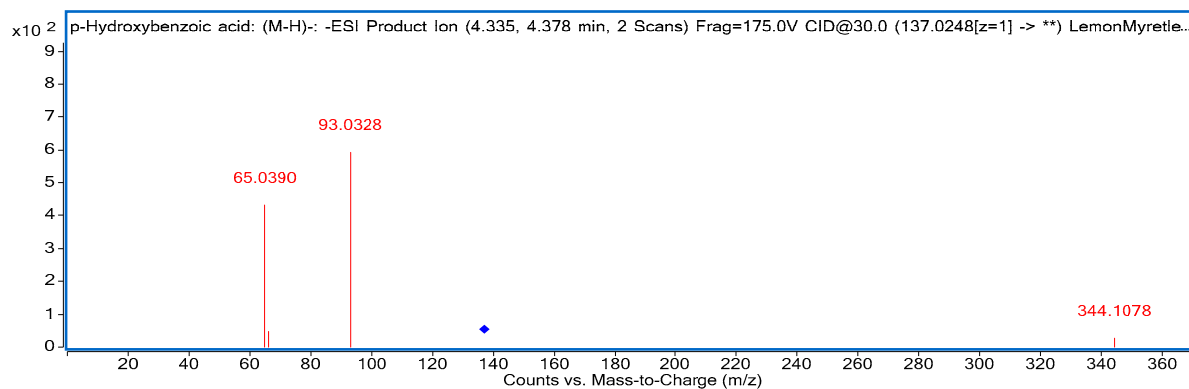
Supplementary Material

LC-ESI-QTOF-MS/MS identification and characterization of phenolic compounds from leaves of Australian myrtles and their antioxidant activities

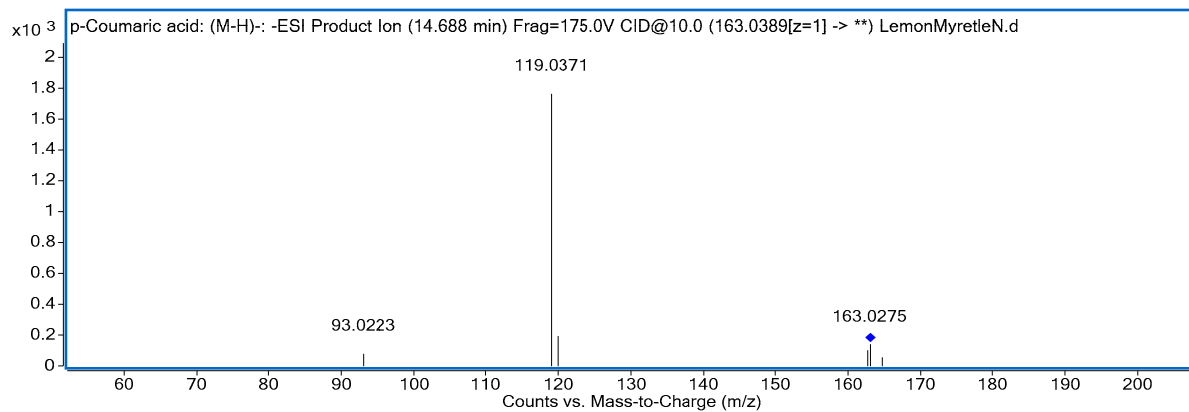
Gallic acid



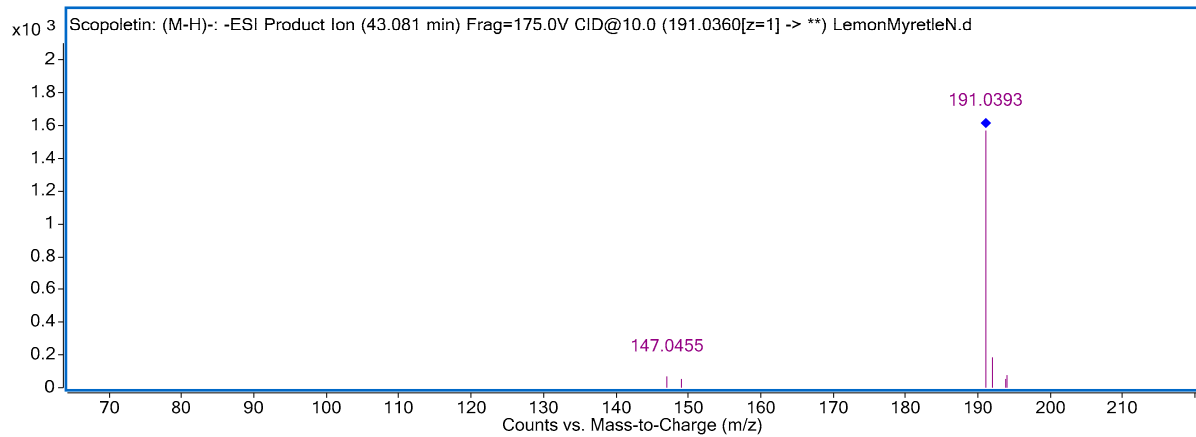
p-Hydroxybenzoic acid



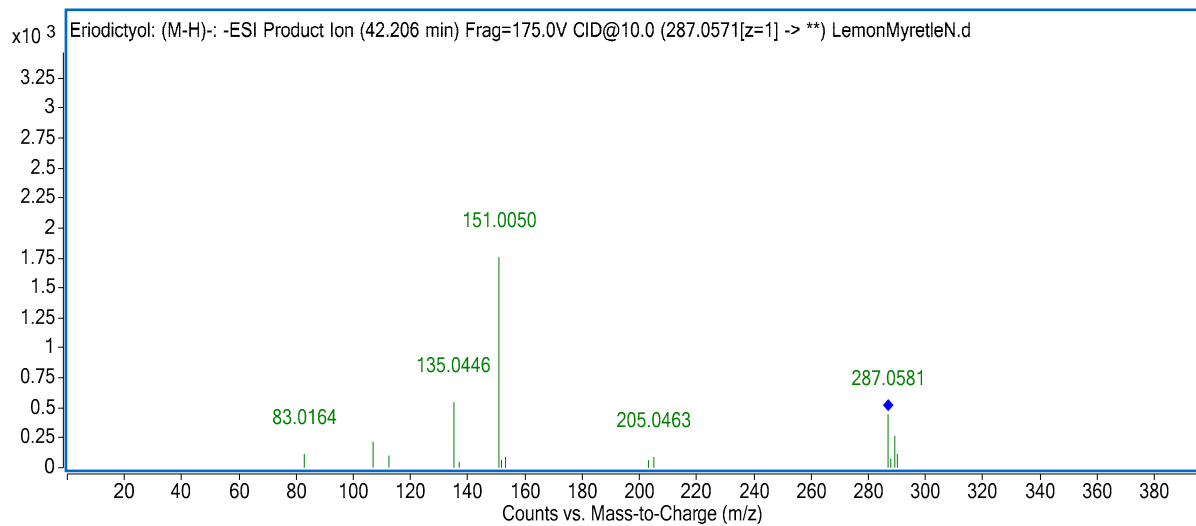
p-Coumaric acid



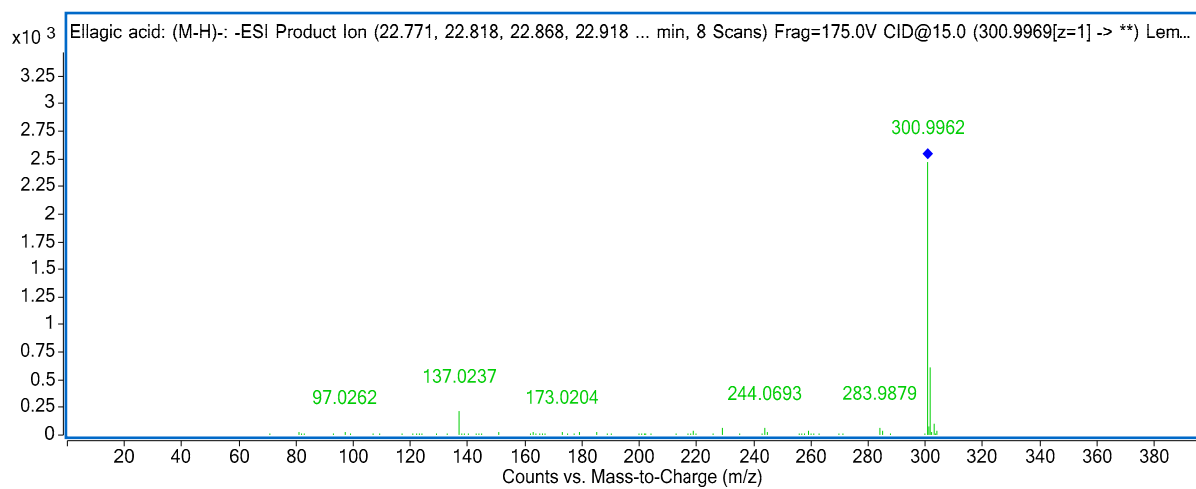
Scopoletin



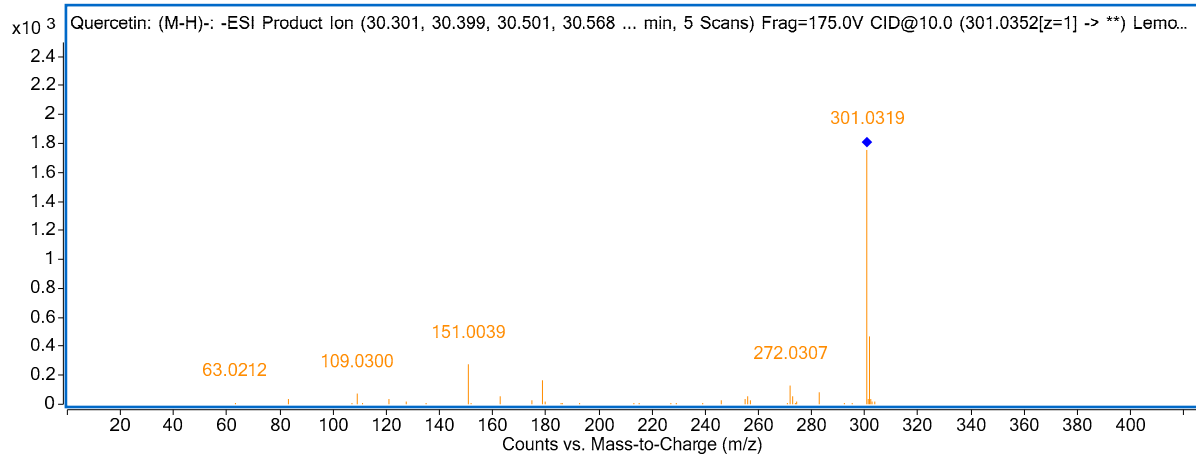
Eriodictyol



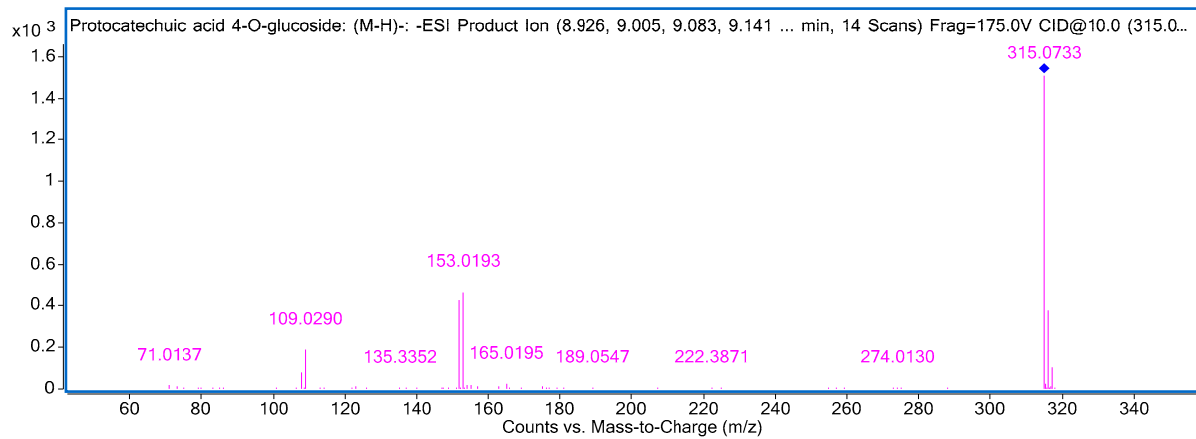
Ellagic acid



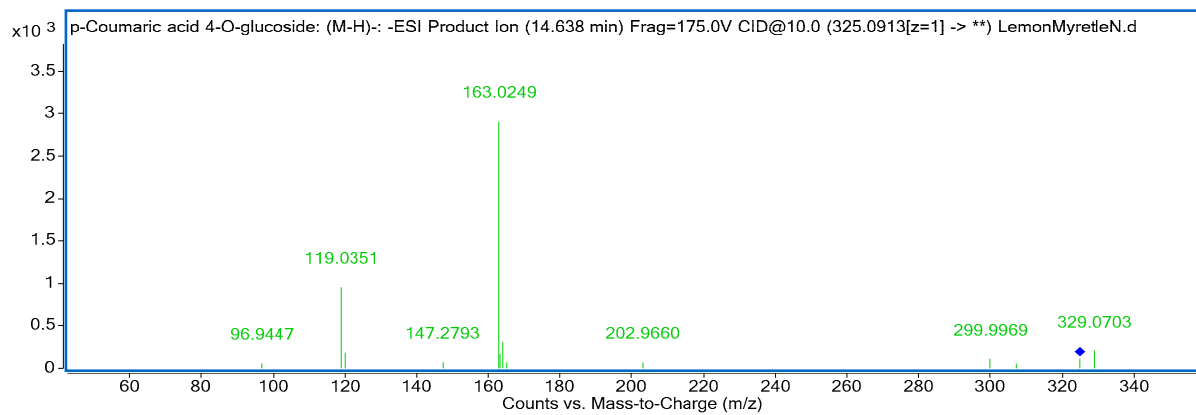
Quercetin



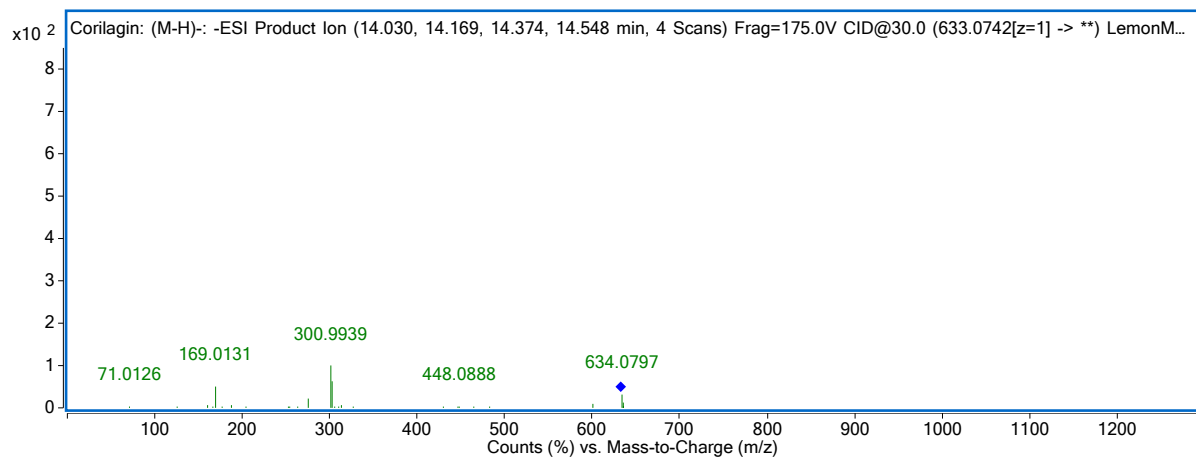
Procatechuic acid 4-O-glucoside



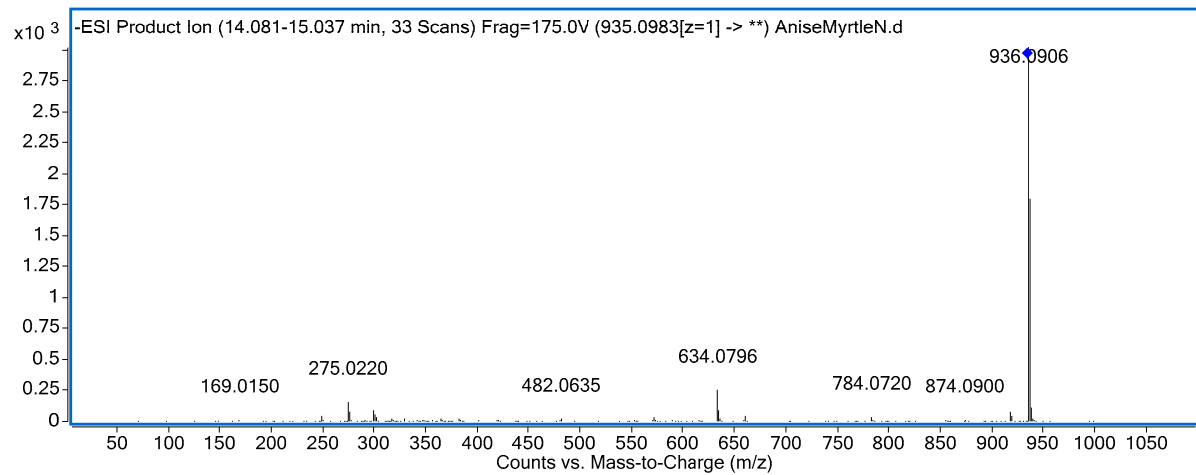
p-coumaric acid 4-O-glucoside



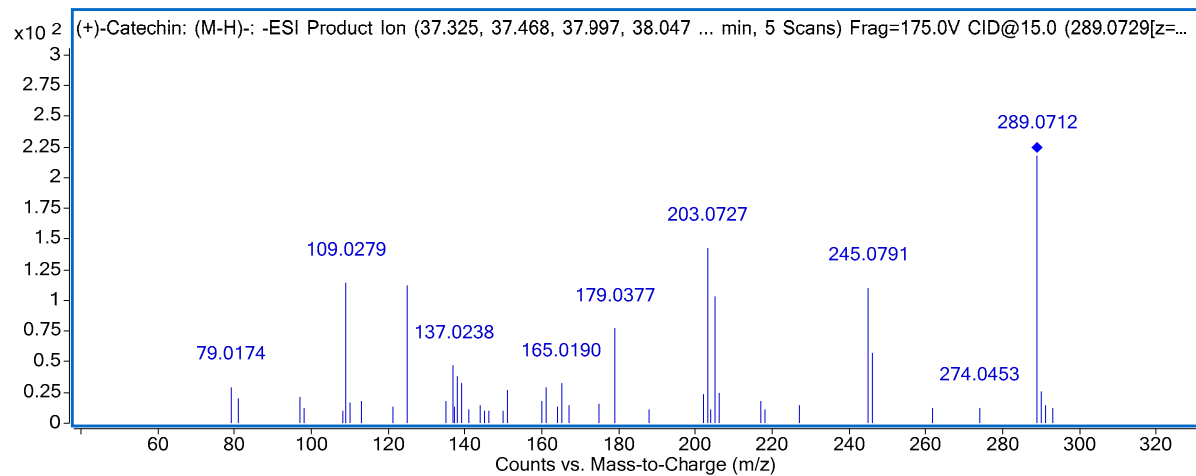
Corilagin

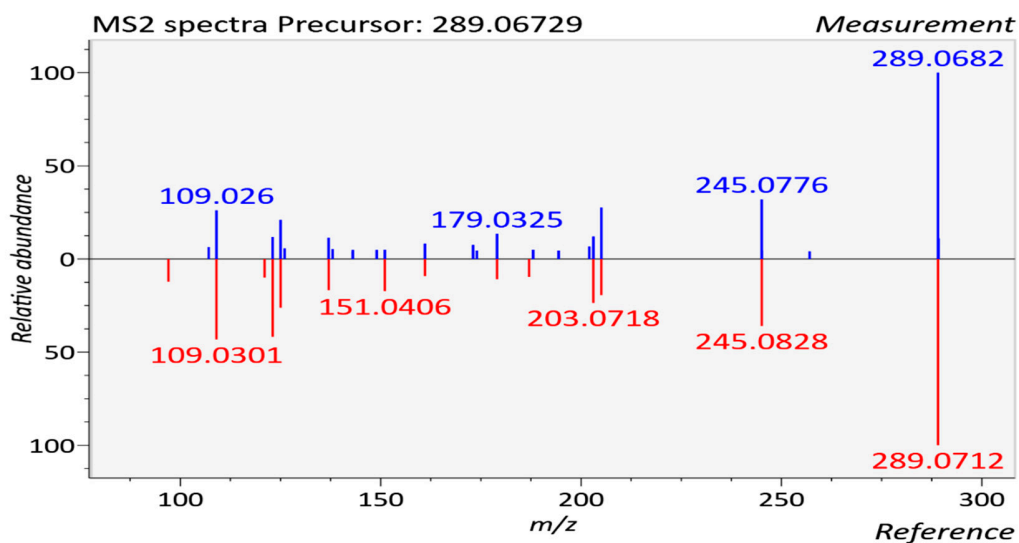


Potentillin

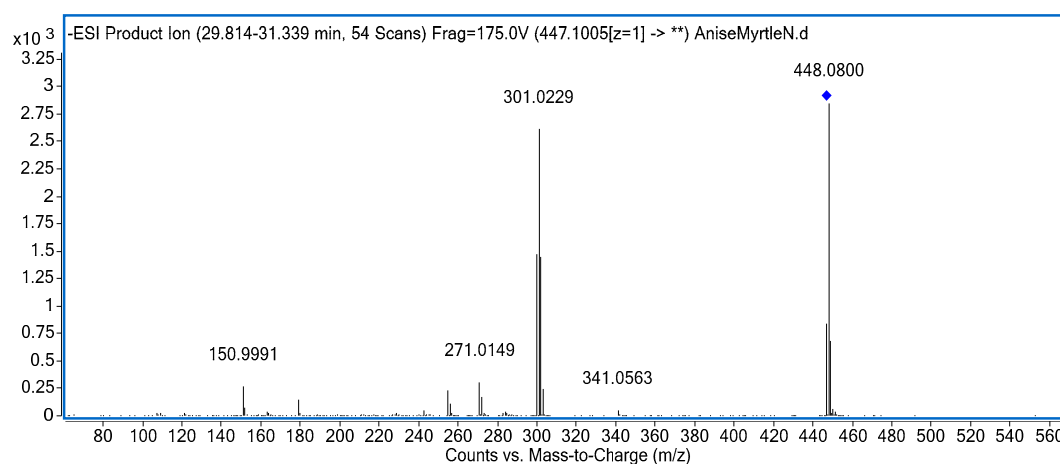


Catechin

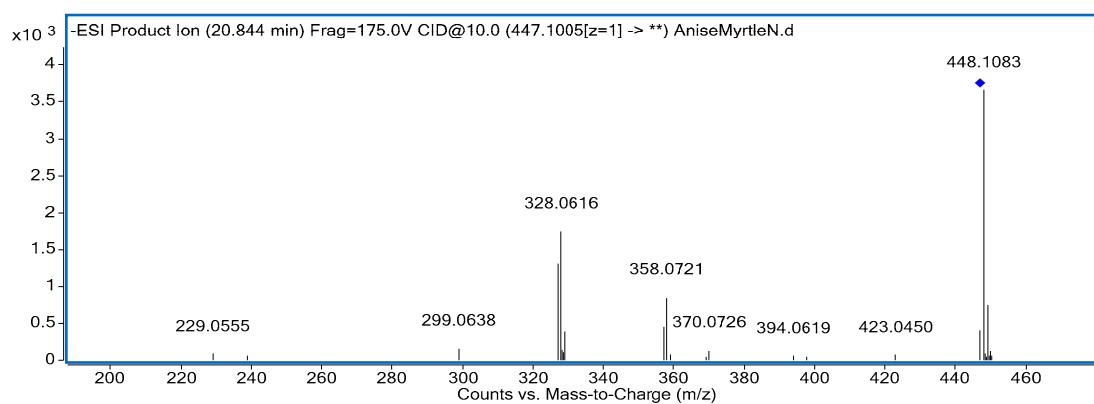




Quercetin 3-O-rhamnoside



Orientin



Myricetin 3-arabinoside

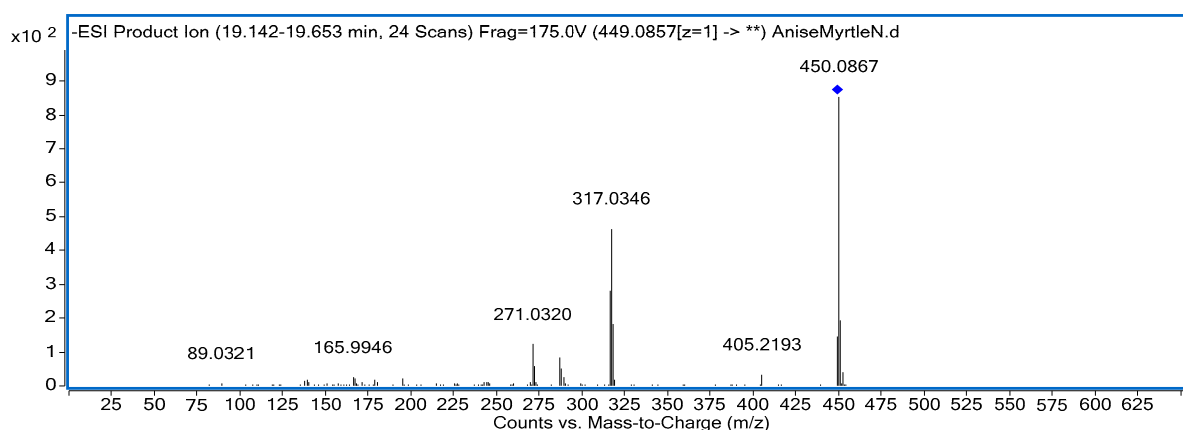


Figure S1. MS/MS spectra of some selected compounds identified in leaves of Australian myrtles.

Table S1. LC-MS/MS Quantification of phenolic compounds from Australian myrtles

No.	Compounds	Formula	AM (µg/g)	LM (µg/g)	CM (µg/g)
Phenolic acids					
1	Gallic Acid	C ₇ H ₆ O ₅	139.19 ± 8.32	202.21 ± 9.87	37.11 ± 6.19
2	<i>p</i> -Hydroxybenzoic acid (<i>p</i> -HBA)	C ₇ H ₆ O ₃	15.11 ± 1.15	79.13 ± 6.32	21.52 ± 3.52
3	<i>p</i> -Coumaric acid	C ₉ H ₈ O ₃	NQ	NQ	62.08 ± 7.49
4	Protocatechuic acid	C ₇ H ₆ O ₄	11.22 ± 2.65	24.02 ± 3.39	20.51 ± 4.03
5	Cinnamic acid	C ₉ H ₈ O ₂	609.08 ± 23.32	312.03 ± 21.06	NQ
6	Ferulic acid	C ₁₀ H ₁₀ O ₄	21.05 ± 1.32	87.13 ± 5.14	NQ
7	Chlorogenic acid	C ₁₆ H ₁₈ O ₉	52.14 ± 3.97	66.13 ± 4.06	67.92 ± 7.28
8	Syringic acid	C ₉ H ₁₀ O ₅	1135.18 ± 44.56	231.01 ± 26.06	39.06 ± 6.05
9	Caffeic acid	C ₉ H ₈ O ₄	161.12 ± 11.56	NQ	13.46 ± 2.81
10	Coumaric acid 4- <i>O</i> -glucoside	C ₁₅ H ₁₈ O ₈	123.17 ± 7.03	115.57 ± 9.85	84.42 ± 6.03
11	Sinapic acid	C ₁₁ H ₁₂ O ₅	NQ	199.32 ± 11.84	NQ
Flavonoids					
Catechins and derivatives					
12	Epicatechin	C ₁₅ H ₁₄ O ₆	4149.81 ± 115.62	3437.16 ± 99.03	1244.82 ± 37.32
13	(-)-Epicatechin 3- <i>O</i> -gallate	C ₂₂ H ₁₈ O ₁₀	131.17 ± 9.73	1254.63 ± 76.14	322.61 ± 19.24
14	Catechin	C ₁₅ H ₁₄ O ₆	NQ	4867.14 ± 319.52	NQ
15	Epigallocatechin	C ₁₅ H ₁₄ O ₇	NQ	235.39 ± 22.93	171.46 ± 13.42
16	Procyanidin B2	C ₃₀ H ₂₆ O ₁₂	384.32 ± 17.04	1174.14 ± 54.43	110.32 ± 8.65
Flavonols					
17	Isorhamnetin	C ₁₆ H ₁₂ O ₇	145.32 ± 9.01	223.05 ± 11.19	NQ
18	Quercetin	C ₁₅ H ₁₀ O ₇	532.21 ± 19.37	301.92 ± 16.22	NQ
19	Kaempferol	C ₁₅ H ₁₀ O ₆	41.03 ± 6.13	25.43 ± 2.42	24.51 ± 2.09
20	Quercetin 3- <i>O</i> -rhamnoside	C ₂₁ H ₂₀ O ₁₁	NQ	NQ	101.87 ± 8.84
21	Myricetin 3- <i>O</i> -arabinoside	C ₂₀ H ₁₈ O ₁₂	943.98 ± 35.19	NQ	NQ
Flavones					
22	Isovitexin	C ₂₁ H ₂₀ O ₁₀	3206.13 ± 132.07	303.87 ± 9.93	56.71 ± 7.18
Tannins					
23	Grandinin	C ₄₆ H ₃₄ O ₃₀	65.16 ± 6.19	NQ	154.12 ± 9.37
24	2- <i>O</i> -Galloylpunicalin	C ₄₁ H ₂₆ O ₂₆	NQ	NQ	110.21 ± 11.54
25	Ellagic acid glucoside	C ₁₀ H ₁₆ O ₁₃	742.02 ± 22.43	NQ	NQ

26	Potentillin	$C_{41}H_{28}O_{26}$	NQ	NQ	77.61 ± 6.91
Other compounds					
27	Pyrogallol	$C_6H_6O_3$	194.35 ± 7.34	319.24 ± 29.14	26.93 ± 4.08

Aniseed myrtle (AM), cinnamon myrtle (CM), lemon myrtle (LM). Not quantified (NQ)