

Supplementary Information

A HPLC-MS method for profiling triterpenoid acids and triterpenoid esters in *Osmanthus fragrans* fruits

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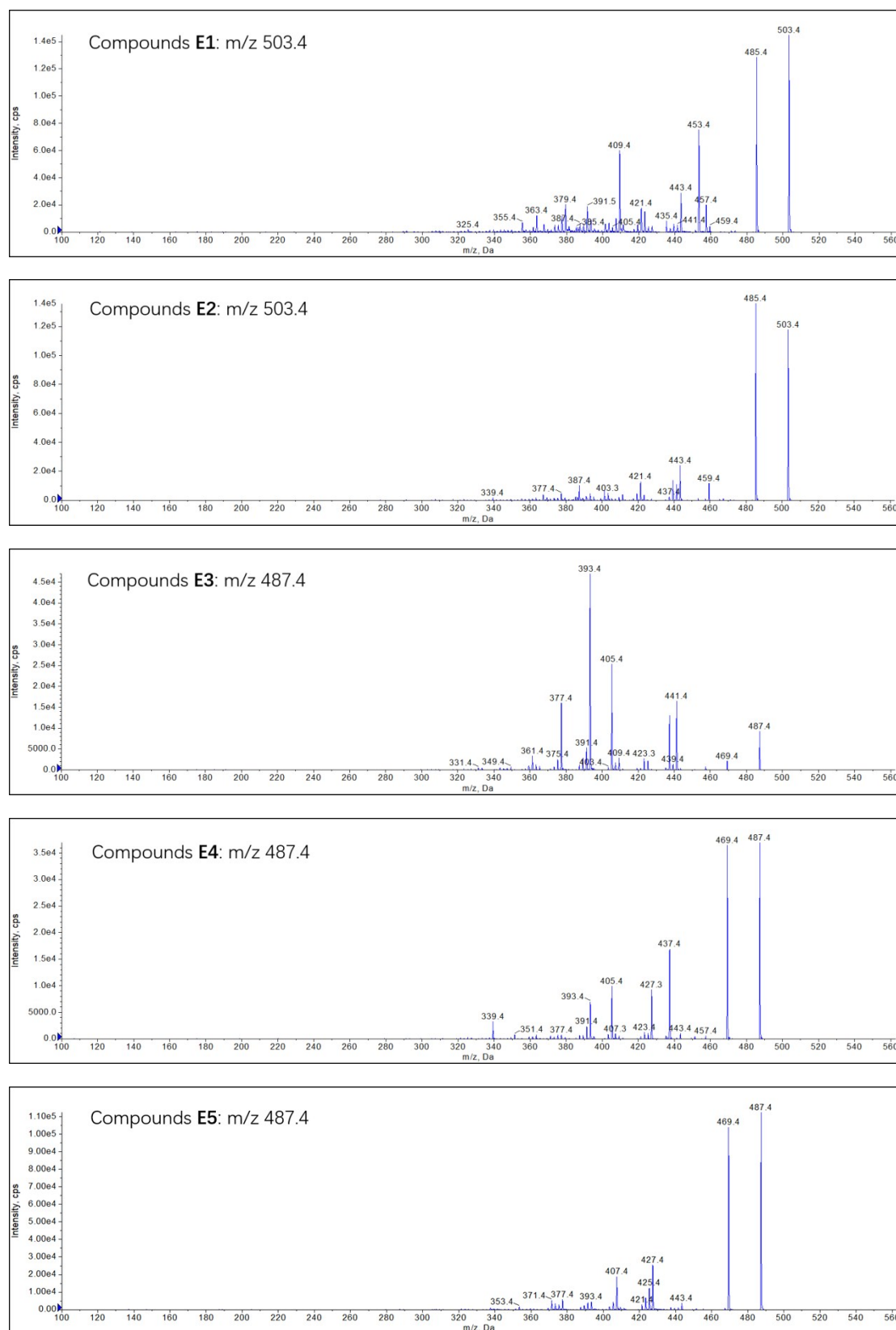
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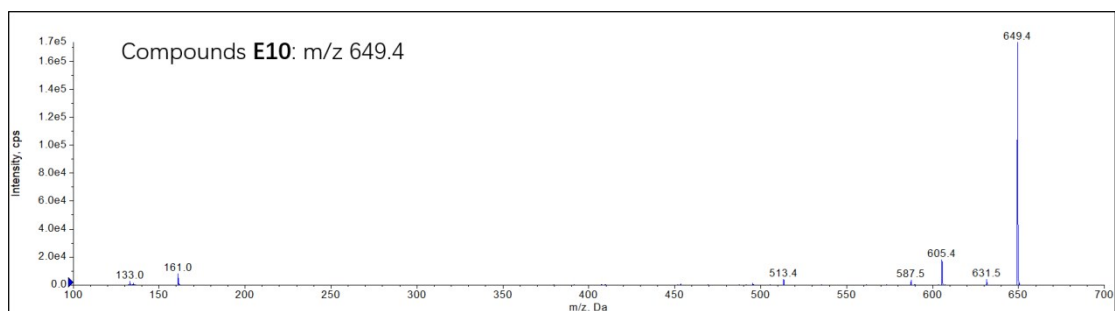
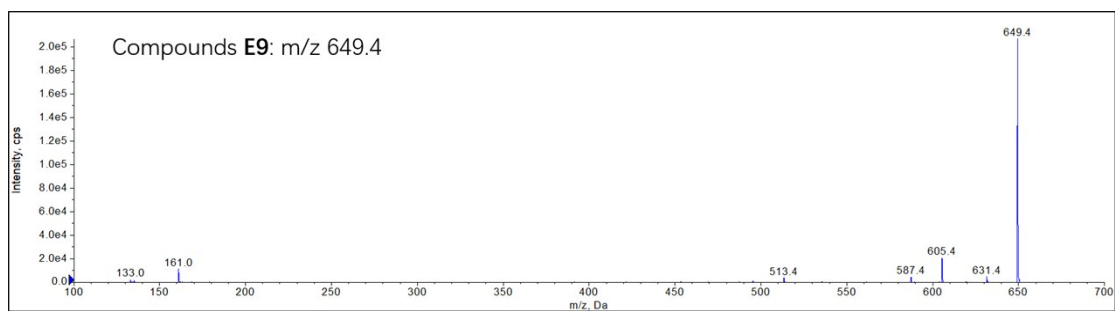
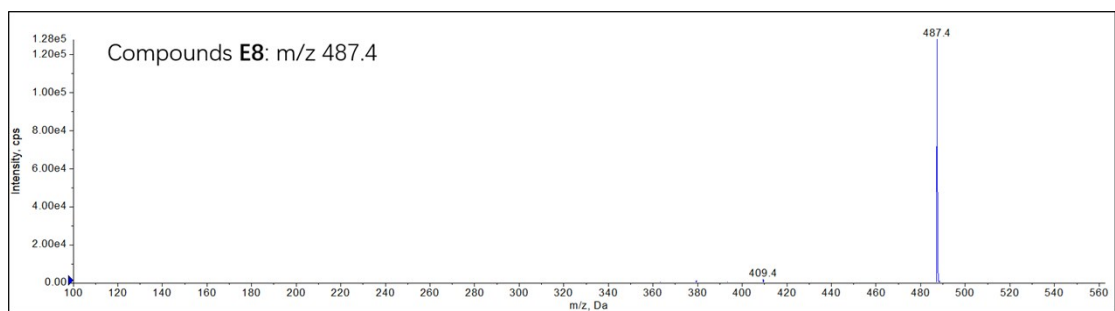
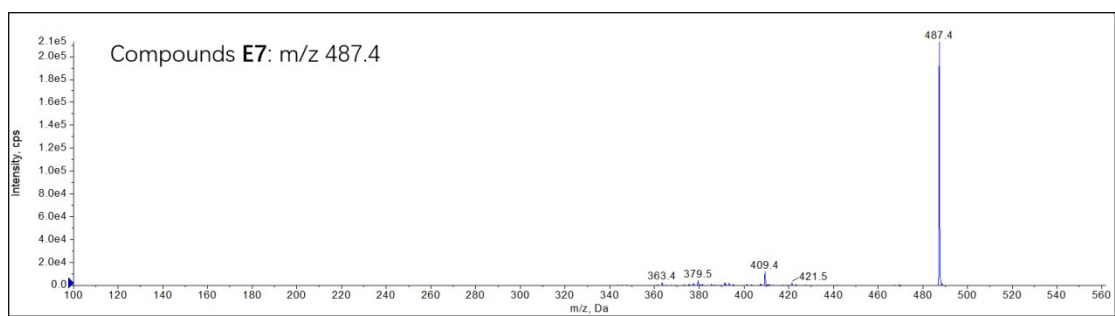
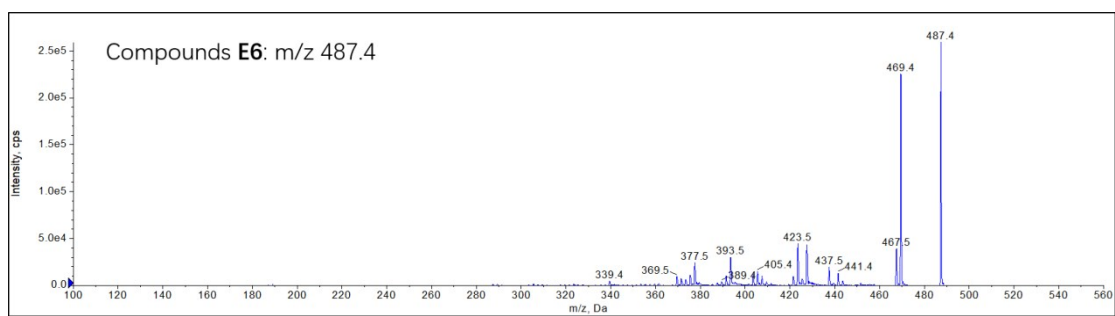
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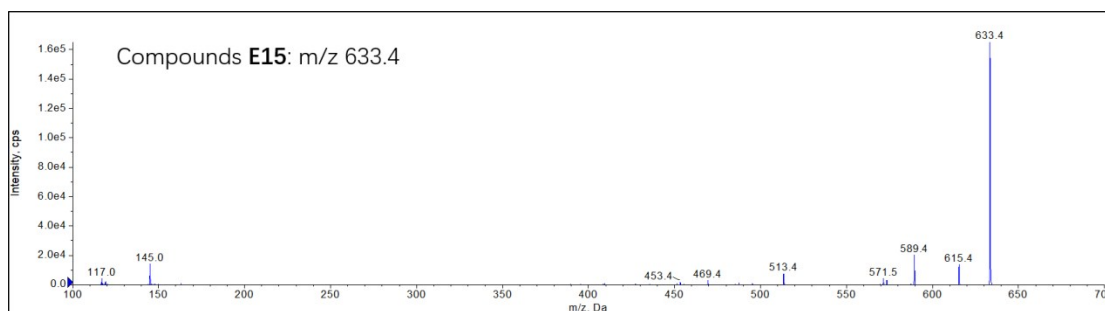
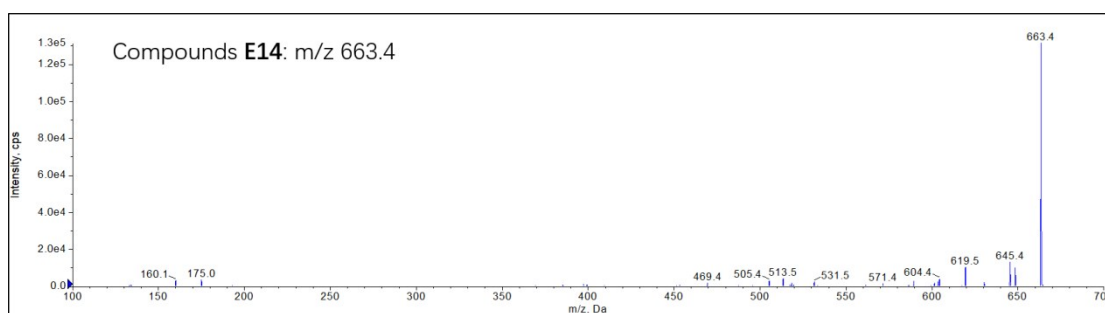
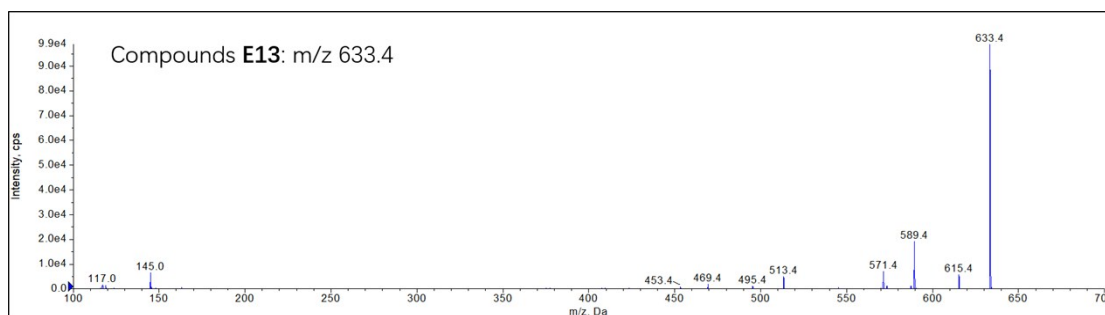
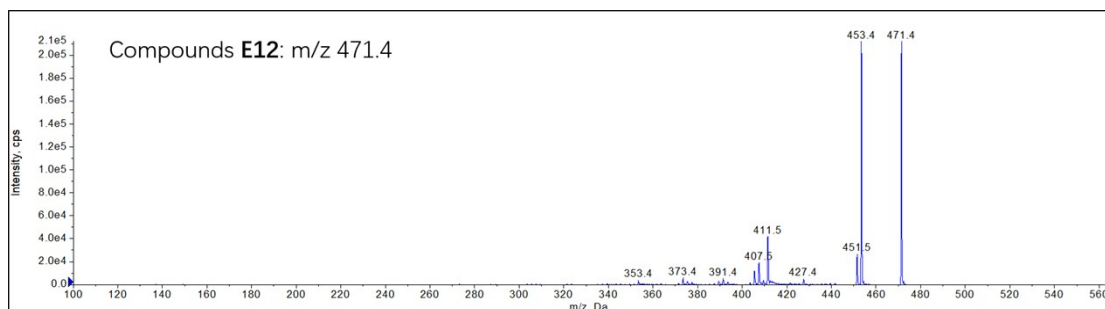
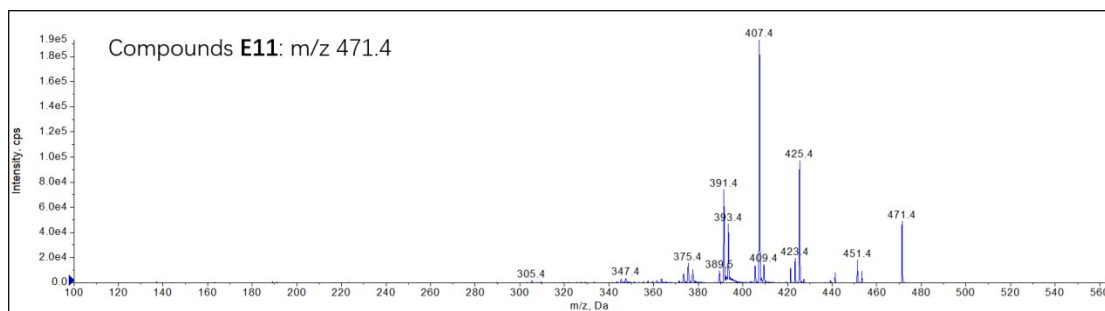
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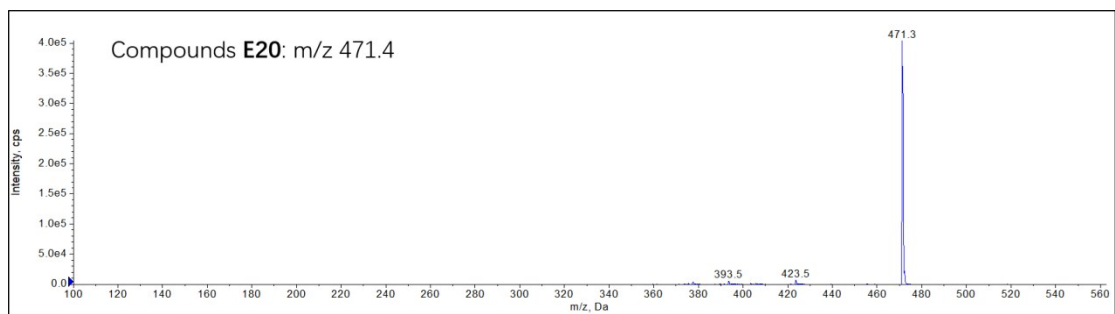
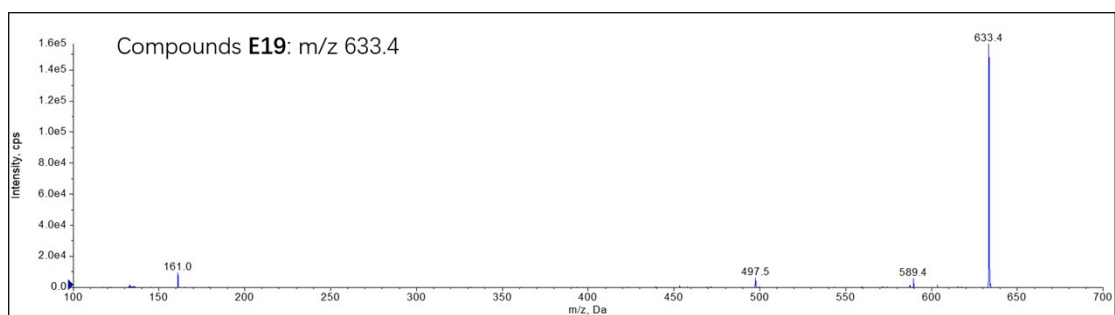
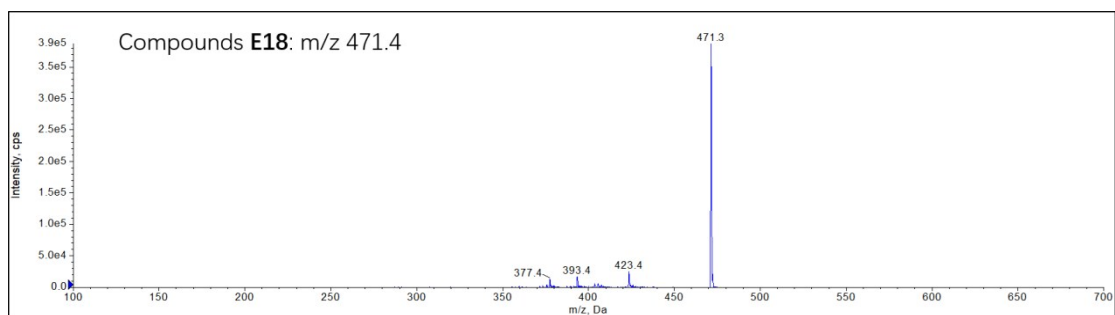
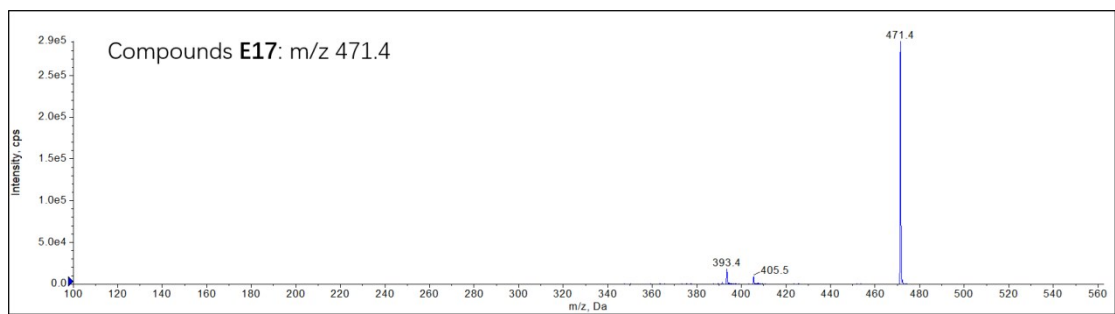
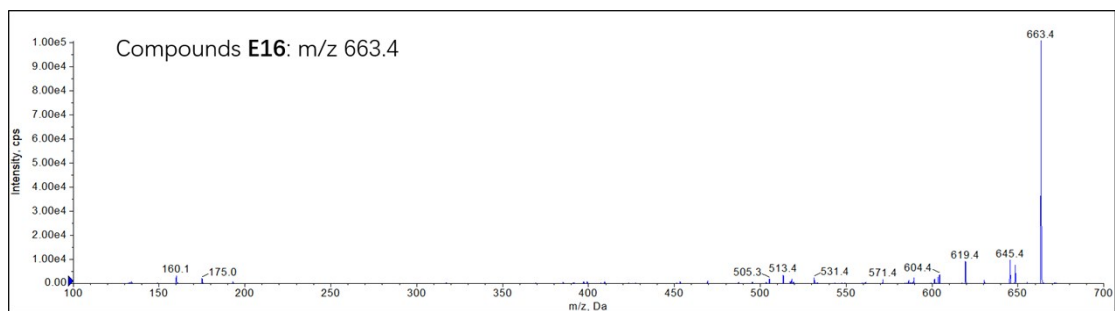
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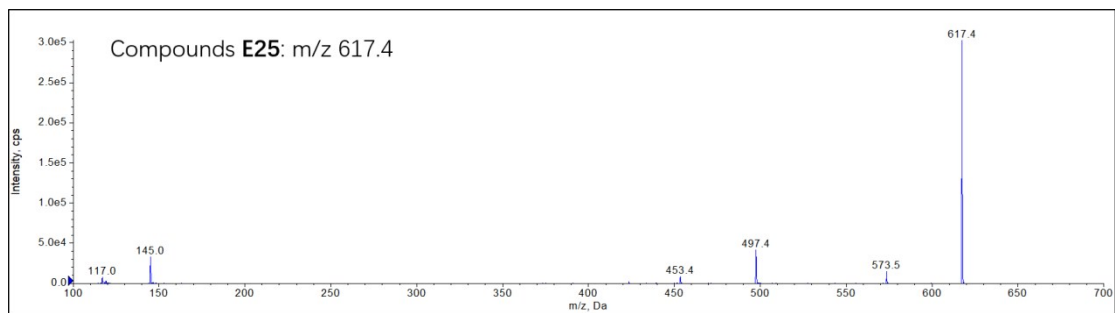
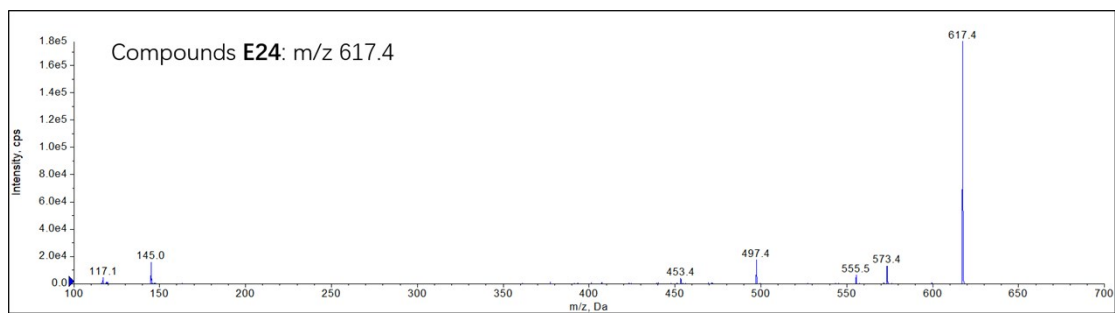
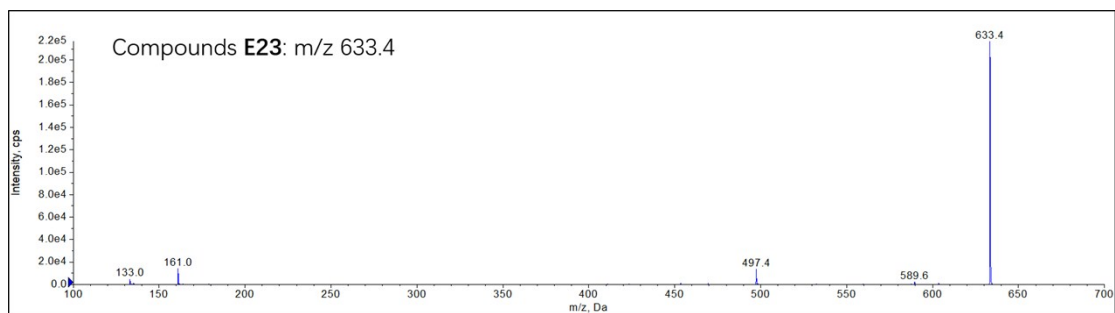
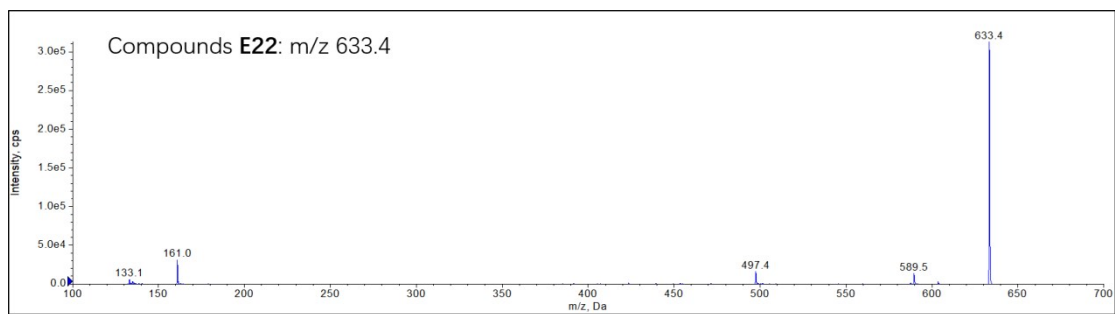
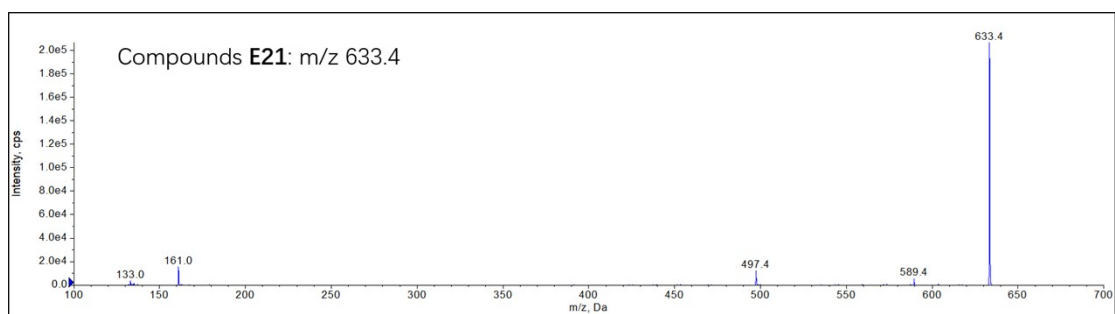
Fig. S1. MS² spectra of compounds **E1-E31**

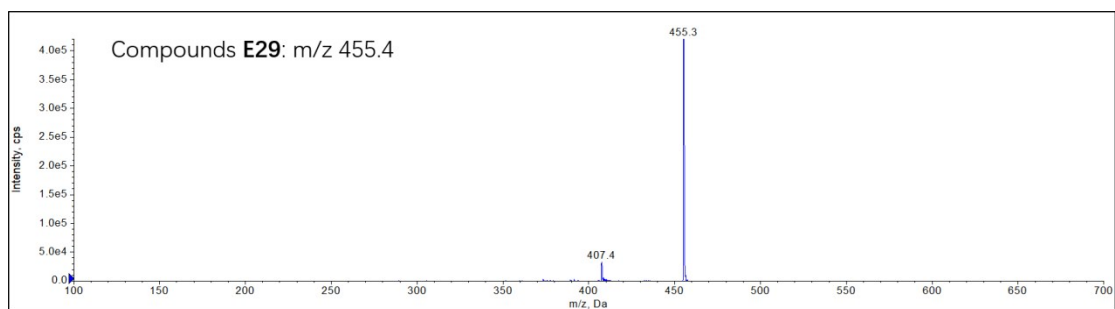
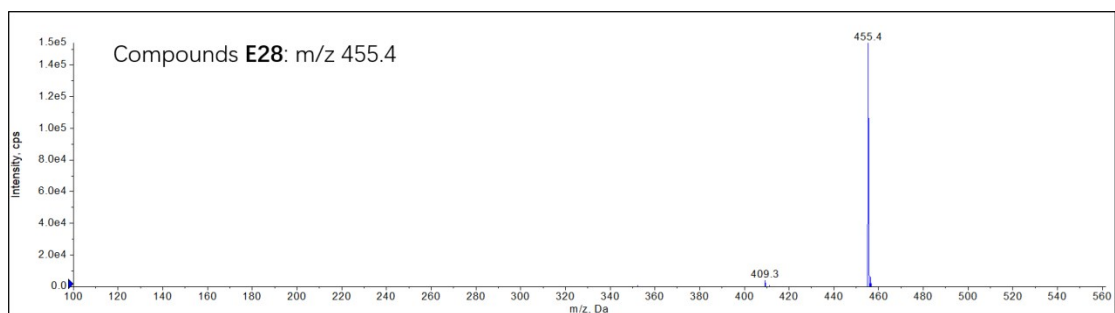
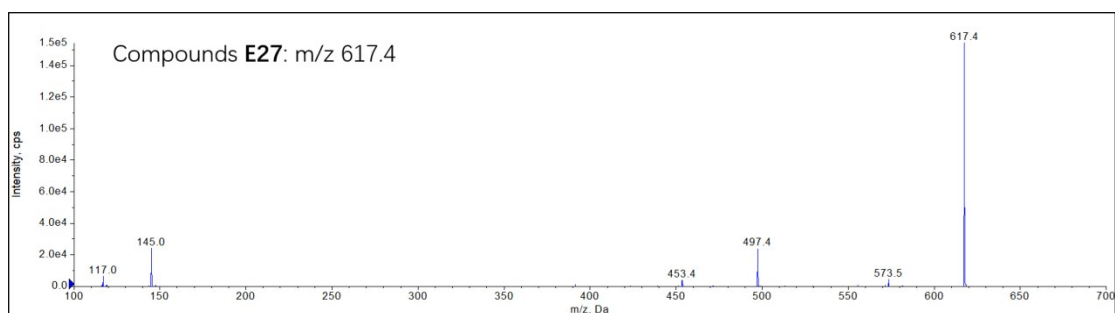
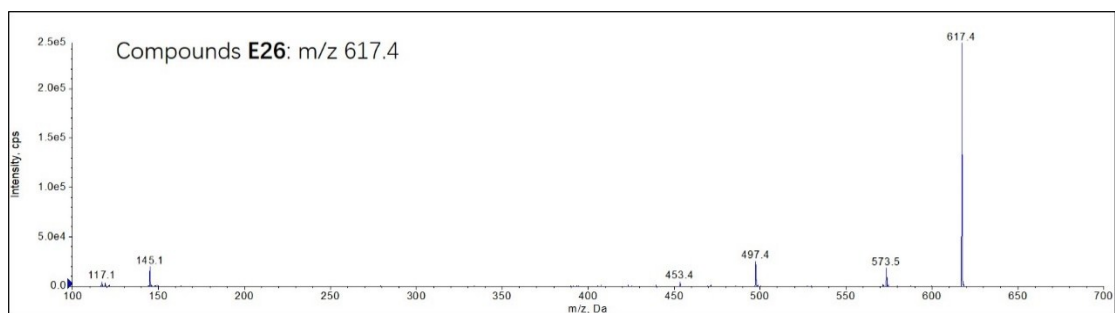












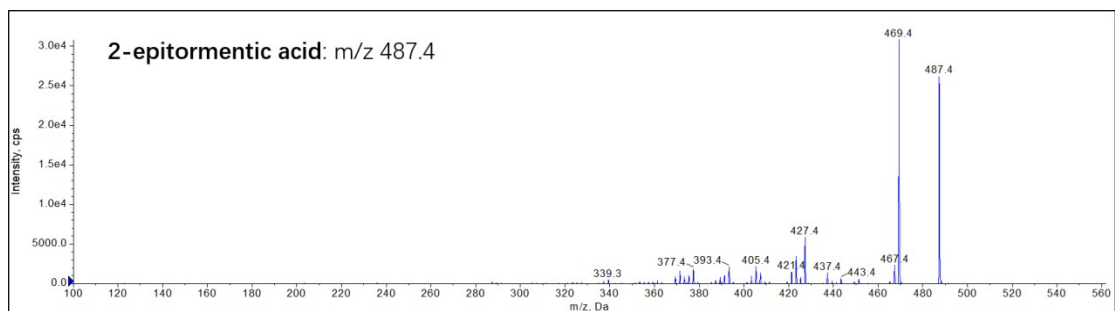
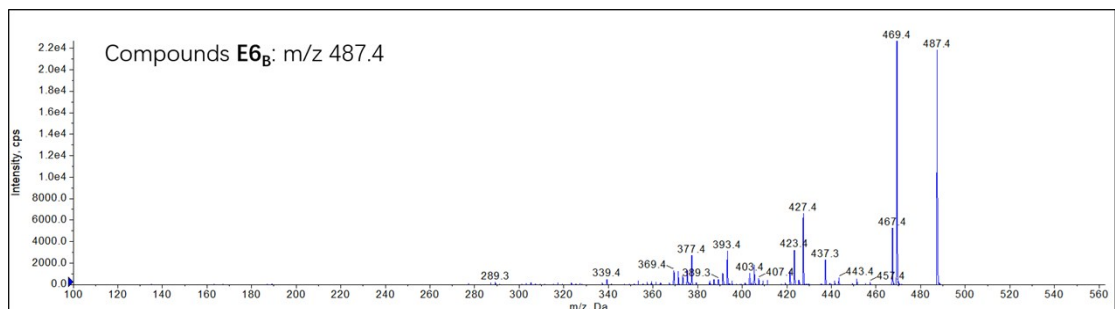
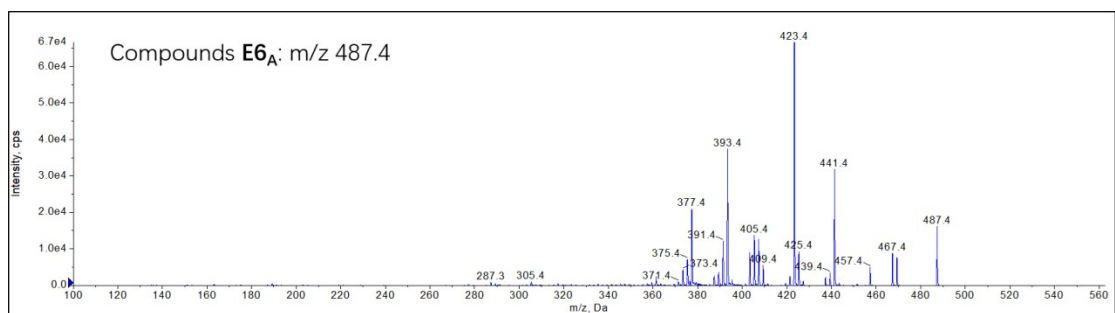
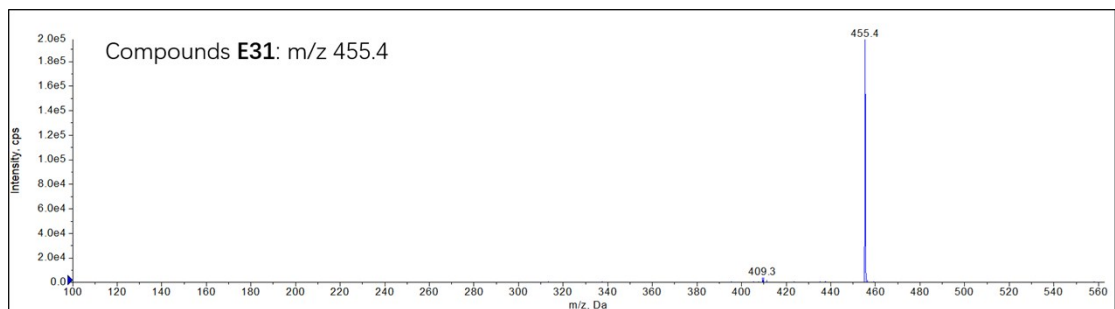
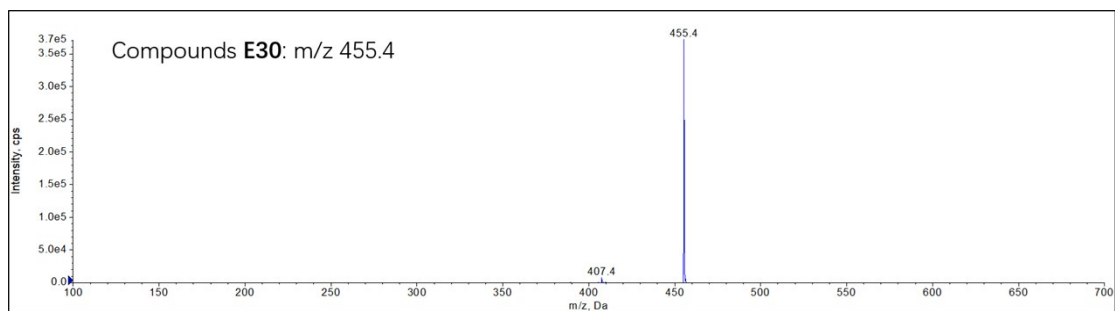


Table S1 HPLC-MS/MS parameters for semi-quantitative determination of triterpenoid acids and triterpenoid esters

Q1 (m/z)	Q3 (m/z)	CE (V)
455.4	455.4*	-10
	409.4	-55
	407.4	-55
471.4	471.4*	-10
	453.4	-40
	423.4	-55
	405.4	-60
	393.4	-60
	377.4	-68
487.4	487.4*	-10
	469.4	-40
	427.4	-55
	425.4	-35
	423.4	-55
	409.4	-50
503.4	503.4*	-10
	485.4	-40
617.4	617.4	-10
	497.4	-60
	145.0*	-60
633.4	633.4	-10
	497.4	-60
	161.0*	-60
	145.0*	-60

663.4	649.4	-10
	605.4	-60
	161.0*	-60
	663.4*	-10
	645.4	-60
	160.0	-60
* Semi-quantitative ions		

Table S2 Method validation for semiquantitative determination of triterpenoid acids and triterpenoid esters by HPLC-MS

Compound	Calibration curve	Linear range ^a	<i>r</i>	Stability (%)
E1	Y=2130492.7x-1566.6	0.05-1	0.9999	1.5
E2	Y=712231.1x-1783.8	0.05-1	0.9999	3.4
E3	Y=602469.1x+4578.6	0.05-1	0.9998	3.7
E4	Y=453981.9x+2698.3	0.05-1	0.9995	2.8
E5	Y=1533955.8x+4128.0	0.05-1	0.9999	2.1
E6	Y=38354251.4x-42850.3	0.005-0.2	0.9998	1.1
E6_B	Y=280036.6x+1771.1	0.01-0.5	0.9994	4.8
E7	-	-	-	-
E8	Y=388114.6x+1580.6	0.05-1	0.9997	3.0
E9	Y=640750.8x+1456.0	0.01-1	0.9998	3.5
E10	Y=2607369.1x+12217.8	0.01-1	0.9996	4.0
E11	Y=14795606.0x-51202.0	0.005-0.3	0.9998	1.1
E12	Y=75990617.5x+432609.9	0.005-0.3	0.9988	0.6
E13	Y=4785408.6x+7685.4	0.001-0.5	0.9995	3.7
E14	Y=18026.0x+344.1	0.1-1	0.9995	1.1
E15	Y=10483746.44x+65745.3	0.001-0.3	0.9979	3.1
E16	Y=29406.6x+670.8	0.1-1	0.9990	4.2

E17	-	-	-	-
E18	$Y=37310466.2x+262841.7$	0.005-0.3	0.9978	1.1
E19^a	$Y=1365534.6x+1523.0$	0.005-0.3	0.9996	4.2
E20	$Y=18939136.2x+76312.4$	0.005-0.3	0.9992	0.7
E21	$Y=244012.5x+795.1$	0.05-0.5	0.9989	4.3
E22	$Y=4310168.1x+23628.9$	0.005-0.5	0.9990	4.8
E23^a	$Y=845150.2x+7491.6$	0.01-0.5	0.9987	4.0
E24	$Y=5805087.2x+28232.9$	0.005-0.5	0.9989	4.6
E25	$Y=1337238.3x-2687.9$	0.005-0.3	0.9998	4.0
E26	$Y=9798596.1x+16690.1$	0.005-0.3	0.9998	4.2
E27	$Y=2716866.9x-4301.2$	0.05-1	0.9996	4.9
E28	$Y=1947993.0x+4019.2$	0.05-1	0.9997	2.2
E29	$Y=116209063.4x+328435.1$	0.001-0.1	0.9974	0.6
E30	$Y=30427012.2x+60729.0$	0.001-0.1	0.9982	1.0
E31	$Y=3180698.7x+8243.7$	0.05-1	0.9998	3.5

^a Dilution rate