

filtering 후 분석하였고, A 이동상은 100% distilled water, B 이동상은 100% acetonitrile로 사용하였다. 고분해능 질량분석기(Q-Orbitrap-HRMS) 기기 분석조건은 Table 5와 같다.

Table 5. Operating conditions of Q-Orbitrap-HRMS analysis.

LC conditions	
Column	C18 column, 2.1 x 100mm, 3.0 μ m
Column Temperature	40°C
Flow rate	350 μ L/min
Mobile phase	A: 100% Water B: 100% Acetonitrile
Injection volume	2 μ L
Total Run Time	40min
MS conditions	
Polarity	Negative
Spray Voltage	3.0kV
Sweep gas flow rate	0
Sheath gas flow rate	40
Aux gas flow rate	10
Ion transfer tube Temp	300°C
Vaporizer Temp	300°C
RF Lens	50
Scan mode	Full scan mode
Mass range	100~1,500 m/z
Resolution	70,000