

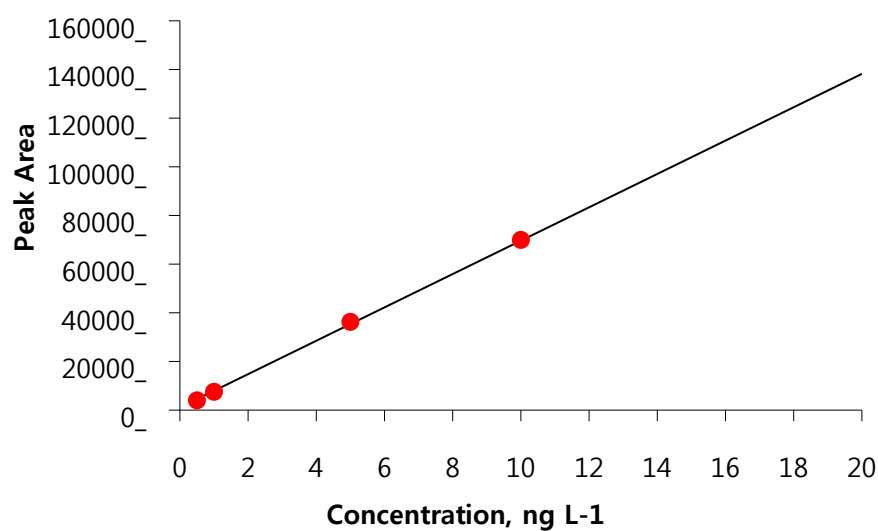
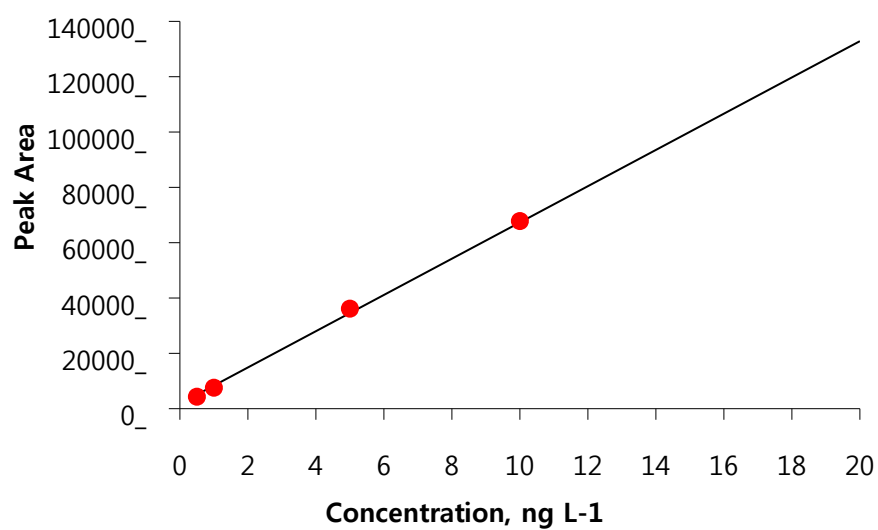


Fig. SM-1. Calibration curves developed for (a) 2-MIB and (b) geosmin

Table SM-1. Operating conditions for SPME and GC/MS used in this study

Operating Parameters for SPME	
Fiber coating	75 μm Carboxen-Polydimethylsiloxane (CAR/PDMS)
Extraction	30 min at 70 °C Headspace (22 mL)
Desorption	5 min at 280 °C
Operating Parameters for GC/MS	
Oven Temp. Program	held at 40 °C for 2 min, to 300 °C at 20 °C min ⁻¹ , and held for 5 min
Column Flow, mL min ⁻¹	1
Split Ratio	Splitless, 3 min
Injector Temp., °C	280
Ion Source Temp., °C	230
Interface Temp., °C	250
Scan Range, m/z	35-350
SIM, m/z	97, 112 (quantifier), 125 for geosmin 95 (quantifier), 108, 135 for 2-MIB