Captions

**Fig. S1**
Mass contents of SNN during DWH and AWH for both UA and ARS

**Table S1**
Comparison of source contributions (%) results by PMF with those of other cities
Fig. S1. Mass contents of SNN during DWH and AWH for both UA and ARS
<table>
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<th>Area</th>
<th>Year</th>
<th>IS</th>
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<th>FD</th>
<th>SIA</th>
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**BS (NCP):** A background site within North China Plain; **SJZ:** Shijiazhuang; **CD:** Chengdu; **LZ:** Lanzhou; **NJ:** Nanjing (IS: Industrial Source; CC: Coal combustion; BB: Biomass burning; FD: Fugitive dust; SIA: Secondary inorganic aerosol; VE: Vehicle exhaust).


