Fig. S-1. The NR-PM$_1$ and PM$_1$ mass concentrations measured by AMS and TEOM, respectively.

Fig. S-2. The scatter plot of PM$_1$(TEOM) versus NR-PM$_1$(AMS).

Fig. S-3. The scatter plot of ratio of O/C versus the ratio of OM/OC.
Fig. S-4 Scatter plots of the correlation between NOA and some tracers

Fig. S-5 Scatter plots of the correlation between OOA and some tracers