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Chemical profiles of PM emitted from the iron and steel industry in northern China

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**Highlights**

- ▶  $\text{PM}_{2.5}$  and  $\text{PM}_{10}$  profiles were obtained by source-level sampling from six plants
- ▶ Emission factors comparison reflects the influences caused by control facilities
- ▶ Sintering is the main emission source especially the toxic  $\text{PM}_{2.5}$  and  $\text{PM}_{10}$
- ▶ PAHs levels and profiles for PM were analyzed with BaPE value calculated

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