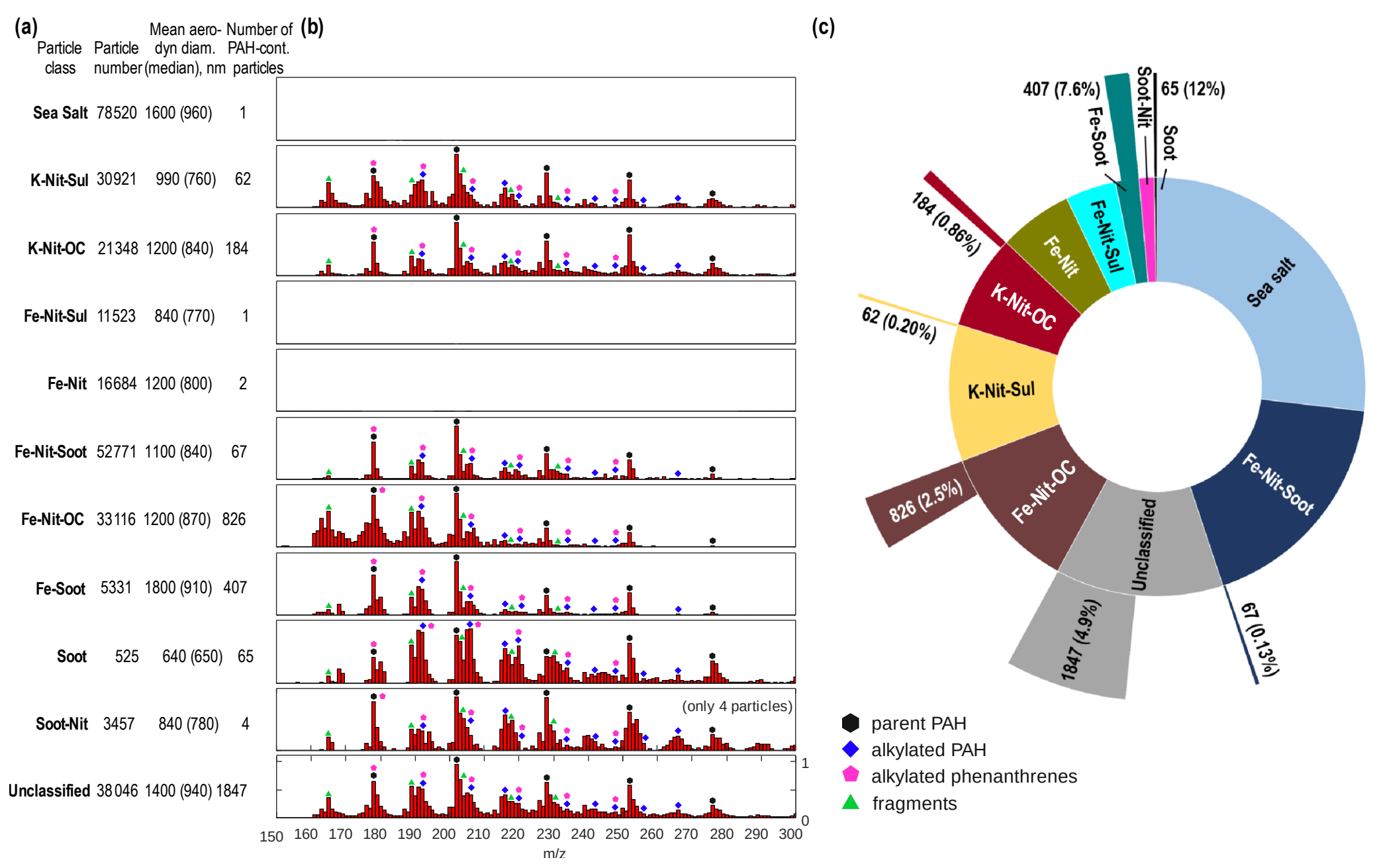
(a)
Particle class
Particle number
Mean aero-dyn diam. (median), nm
Number of PAH-cont. particles
Sea Salt 78520 1600 (960) 1
K-Nit-Sul 30921 990 (760) 62
K-Nit-OC 21348 1200 (840) 184
Fe-Nit-Sul 11523 840 (770) 1
Fe-Nit 16684 1200 (800) 2
Fe-Nit-Soot 52771 1100 (840) 67
Fe-Nit-OC 33116 1200 (870) 826
Fe-Soot 5331 1800 (910) 407
Soot 525 640 (650) 65
Soot-Nit 3457 840 (780) 4
Unclassified 38046 1400 (940) 1847
(b)
(only 4 particles)
1
0
150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300
m/z
(c)
407 (7.6%)
Fe-Soot
Soot-Nit
65 (12%)
Soot
184 (0.86%)
Fe-Nit
Fe-Nit-Sul
K-Nit-OC
Sea salt
62 (0.20%)
K-Nit-Sul
826 (2.5%)
Fe-Nit-OC
Unclassified
Fe-Nit-Soot
1847 (4.9%)
67 (0.13%)
parent PAH
alkylated PAH
alkylated phenanthrenes
fragments