

Supplementary Figure

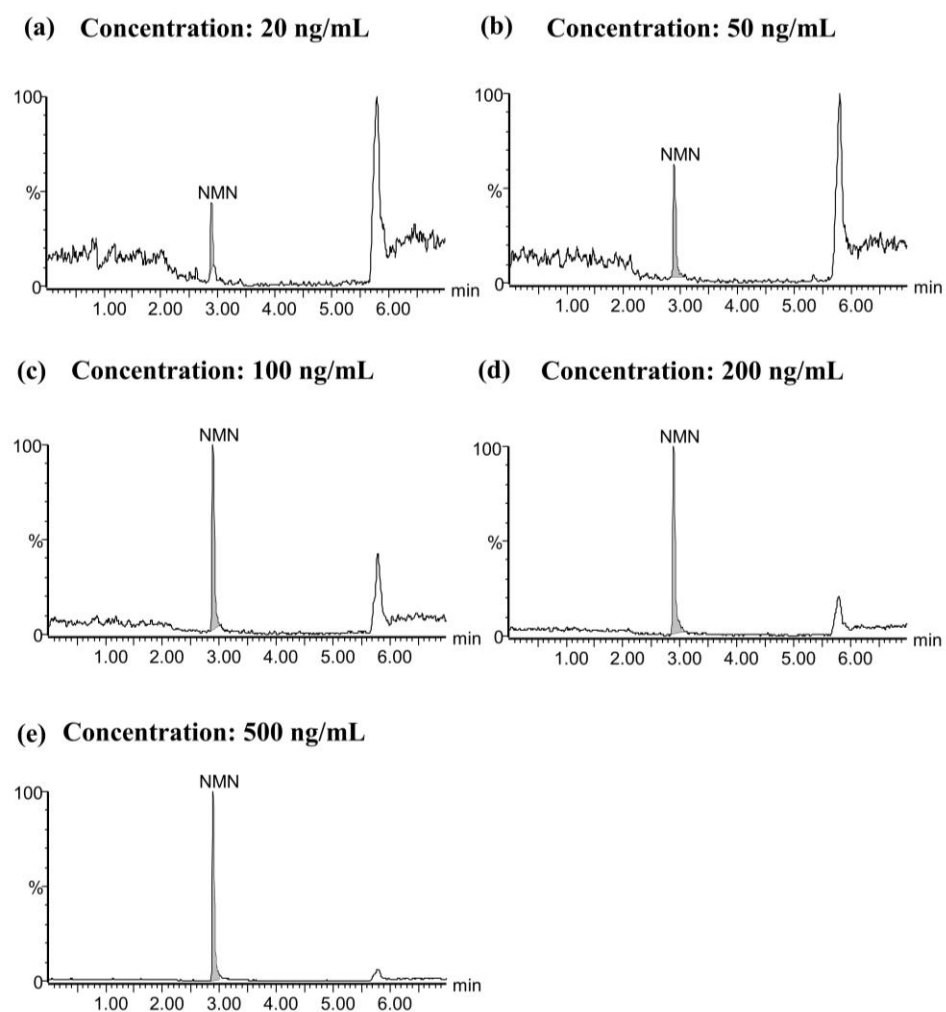


Fig. S1. Chromatogram of NMN standard (SRM transition at m/z 335.1 to m/z 123.0) at different concentrations (a-e).

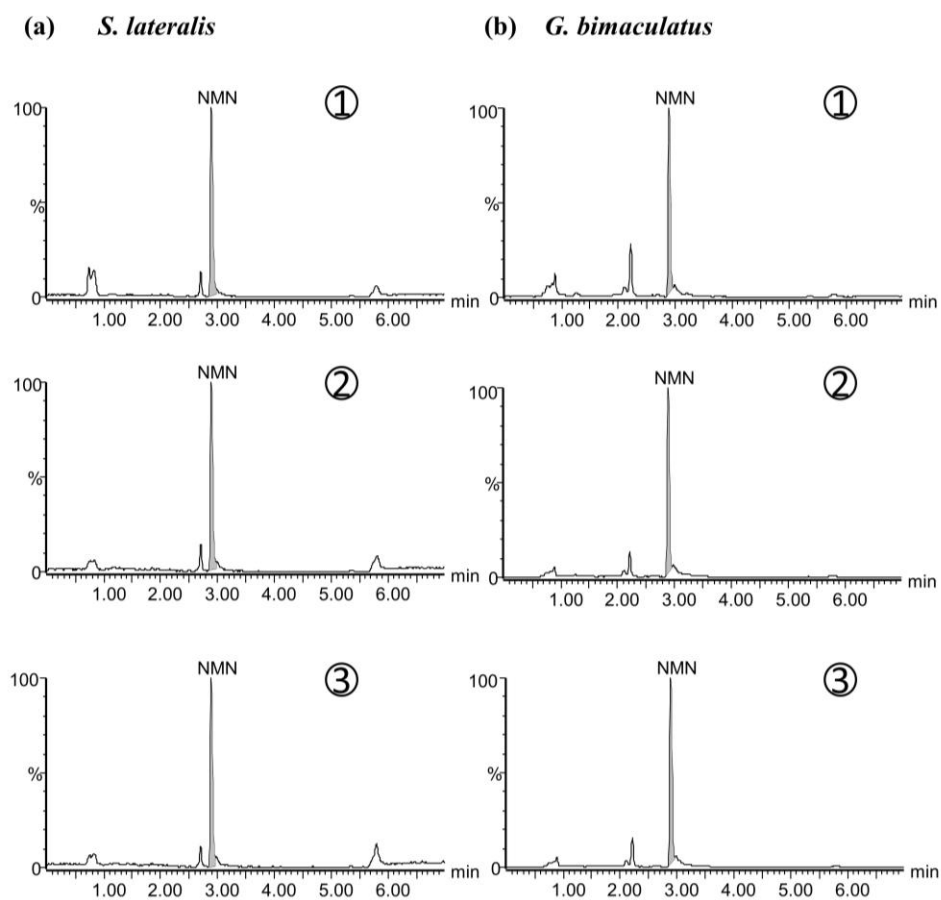


Fig. S2. Chromatograms of NMN (SRM transition at m/z 335.1 to m/z 123.0) obtained from different types of insect species (a-b) (*S. lateralis*, and *G. bimaculatus*). The numbers (①~③) indicate the replications of the insect samples.

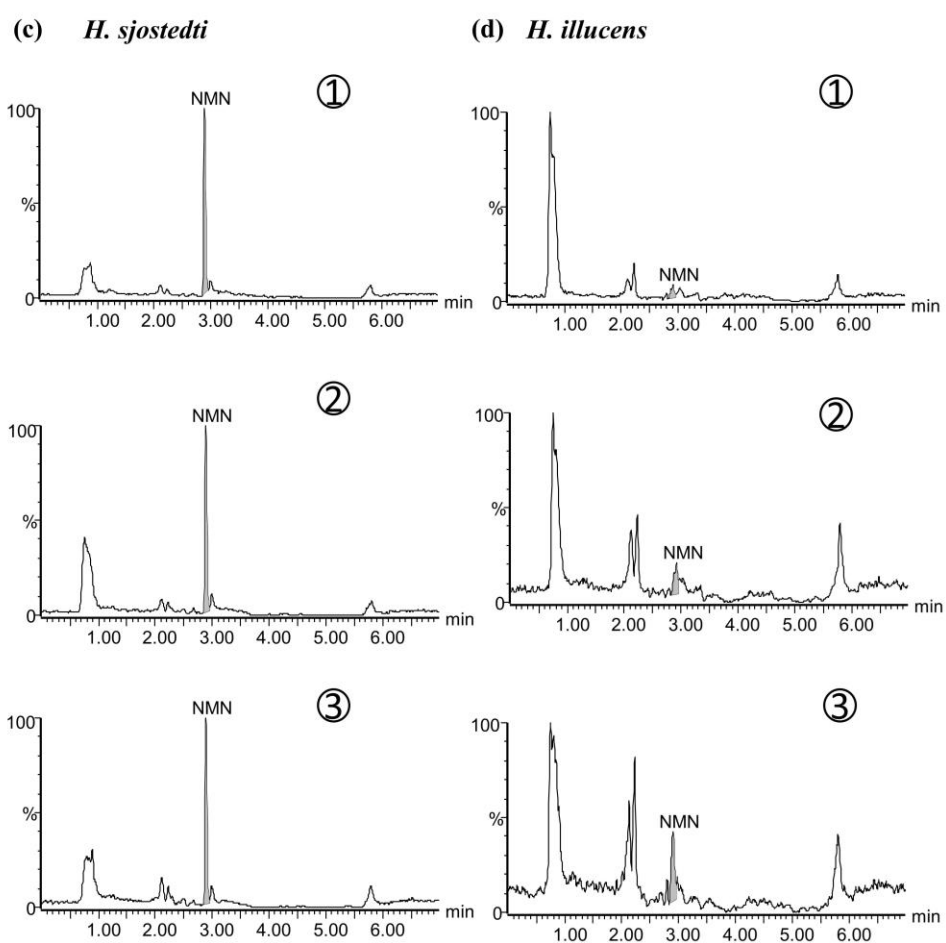


Fig. S3. Chromatograms of NMN (SRM transition at m/z 335.1 to m/z 123.0) obtained from different types of insect species (c-d) (*H. sjostedti*, and *H. illucens*). The numbers (①~③) indicate the replications of the insect samples.

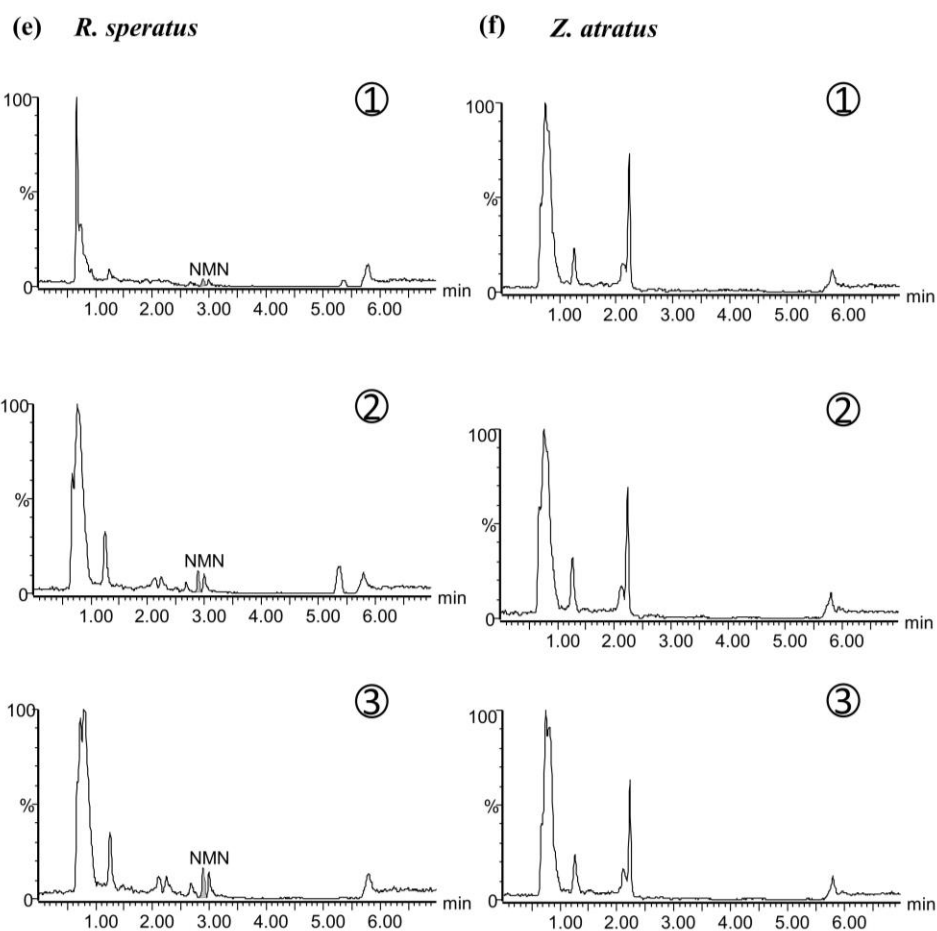


Fig. S4. Chromatograms of NMN (SRM transition at m/z 335.1 to m/z 123.0) obtained from different types of insect species (e-f) (*R. speratus*, and *Z. atratus*). The numbers (①~③) indicate the replications of the insect samples.

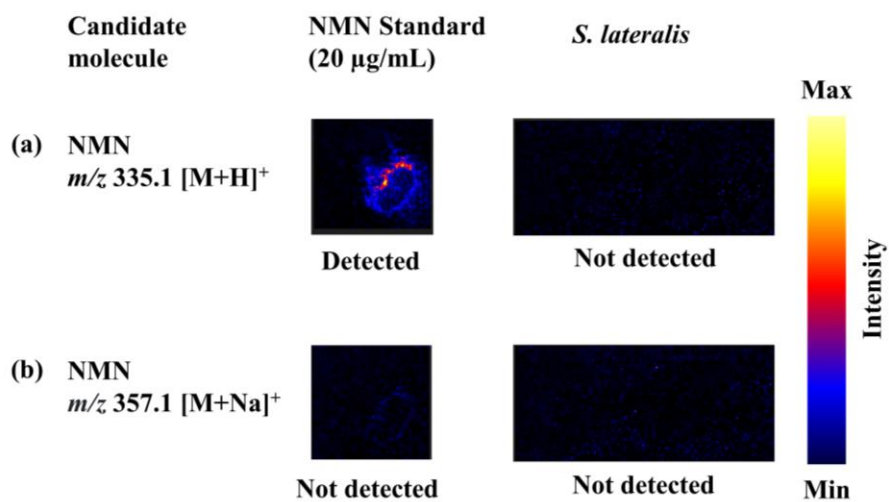


Fig. S5. Distribution of NMN in the whole body of *S. lateralis* by DESI-Q-TOF. Representative DESI-IMS ion images for NMN at m/z 335.1 $[\text{M}+\text{H}]^+$ in NMN standard, *S. lateralis* section (a), and m/z 357.1 $[\text{M}+\text{Na}]^+$ in NMN standard, *S. lateralis* section (b).