

GC Inlet Liners with TI Chemistry

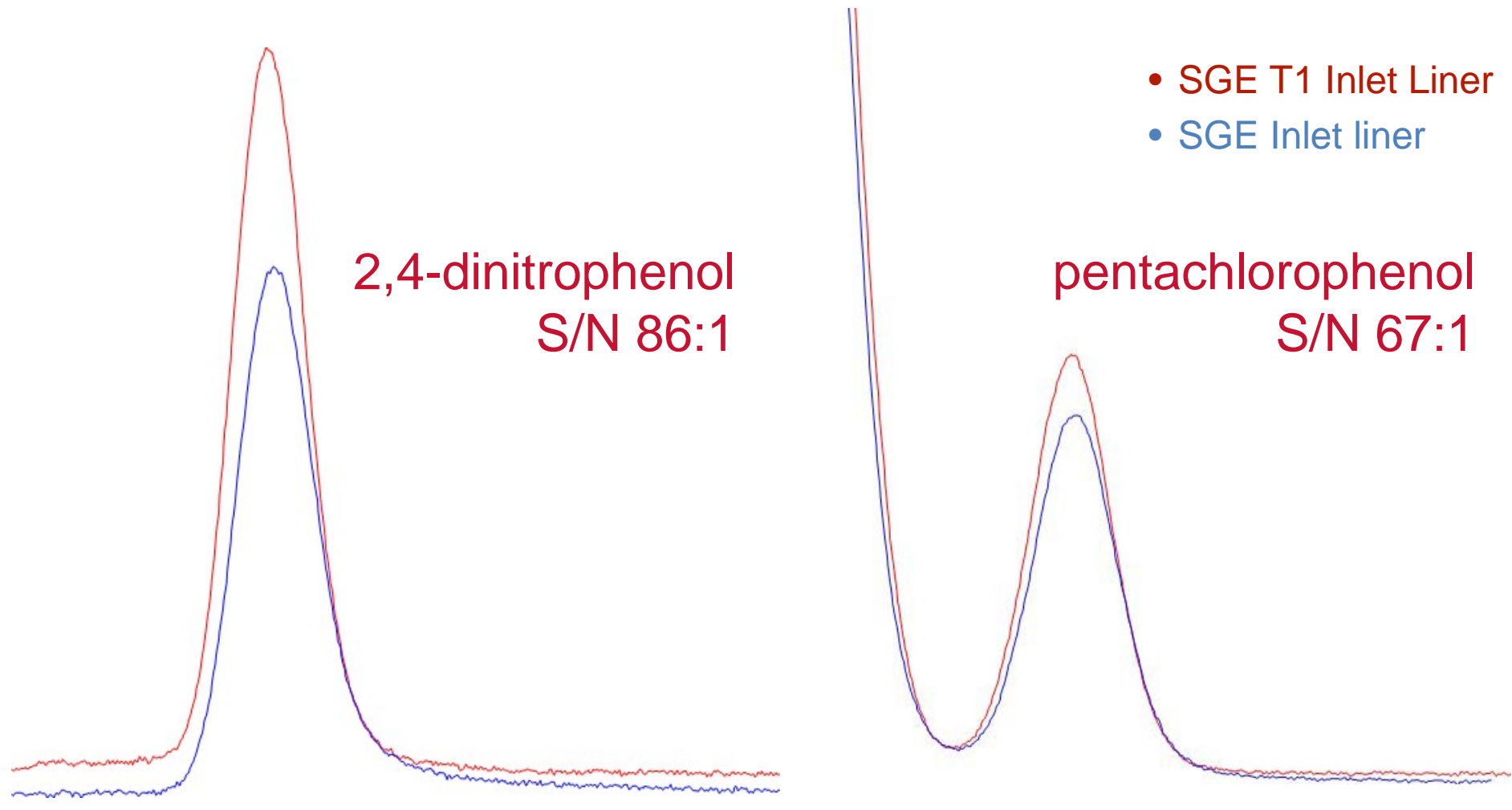


The first release of new Trajan liner chemistries for SGE Inlet liners is T1 deactivation optimised for 8270 semi-volatiles analysis

- Developed specifically for USEPA Method 8270 – for determination of semi-volatile organic compounds in extracts prepared from many types of solid waste, soils, water samples, and air sampling media - Trajan's T1 deactivated liners are unique and application specific, extensively tested and optimized for 8270 semi-volatiles analysis
- Several compounds in Method 8270 are susceptible to excessive degradation in the GC flow path and are potentially difficult to analyse if the inlet liner is not properly deactivated. Trajan's T1 deactivated liners for 8270 semi-volatiles analysis are rigorously tested using an 11 component checkout mix*
- Deactivation of T1 SGE Inlet Liners for 8270 semi-volatiles analysis is certified using 2,4-dinitrophenol and pentachlorophenol to ensure response factors above EPA method requirements
- T1 Liners are now available for Agilent and Thermo 1300 series instruments
- Part Number 09262019 (5 pack) and 0926201901 (1 pack)

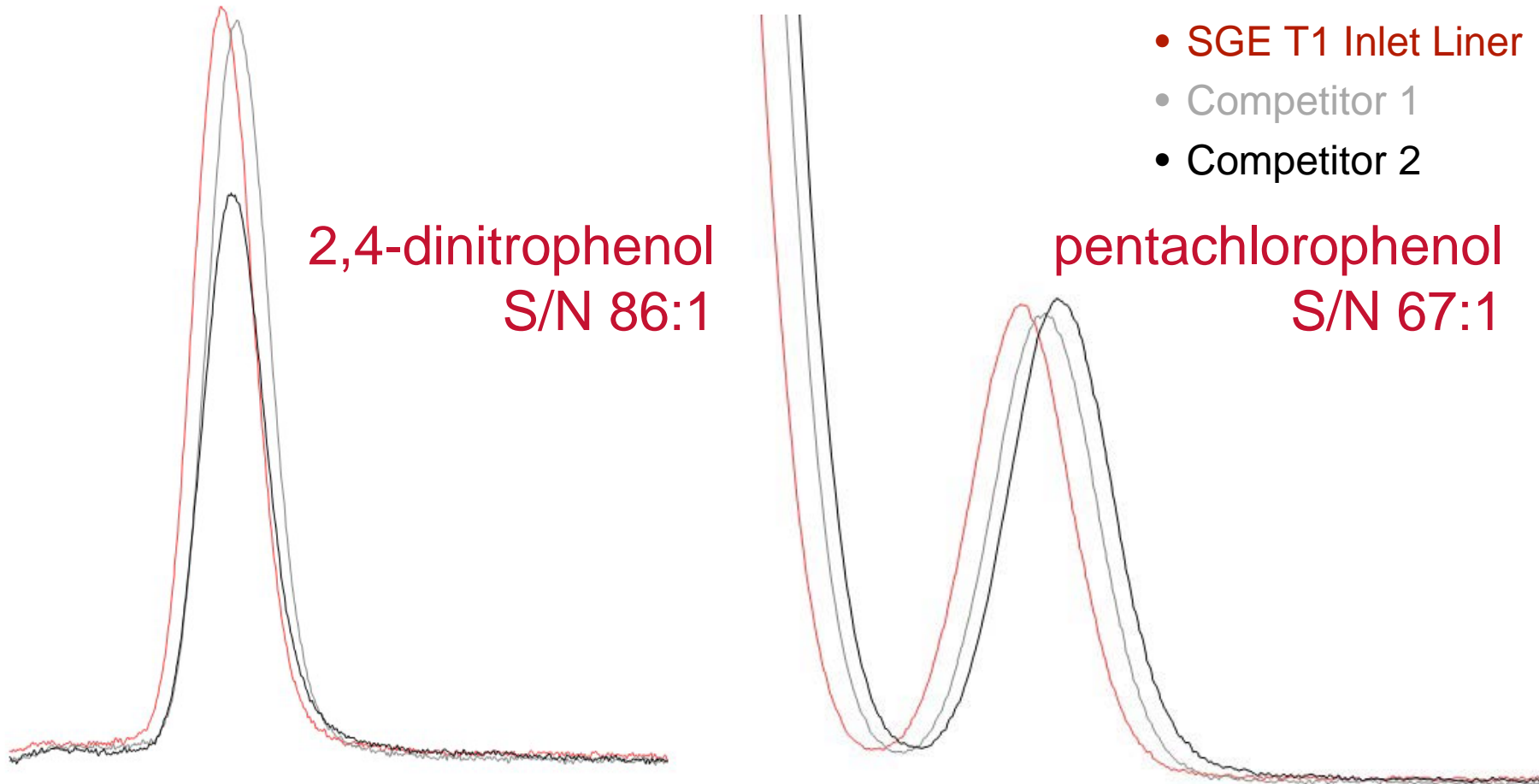
All T1 liners are suitability tested for EPA 8270

With an 11-component checkout mix and are **certified** using 2,4-DNP and PCP to ensure response factors above EPA method requirements

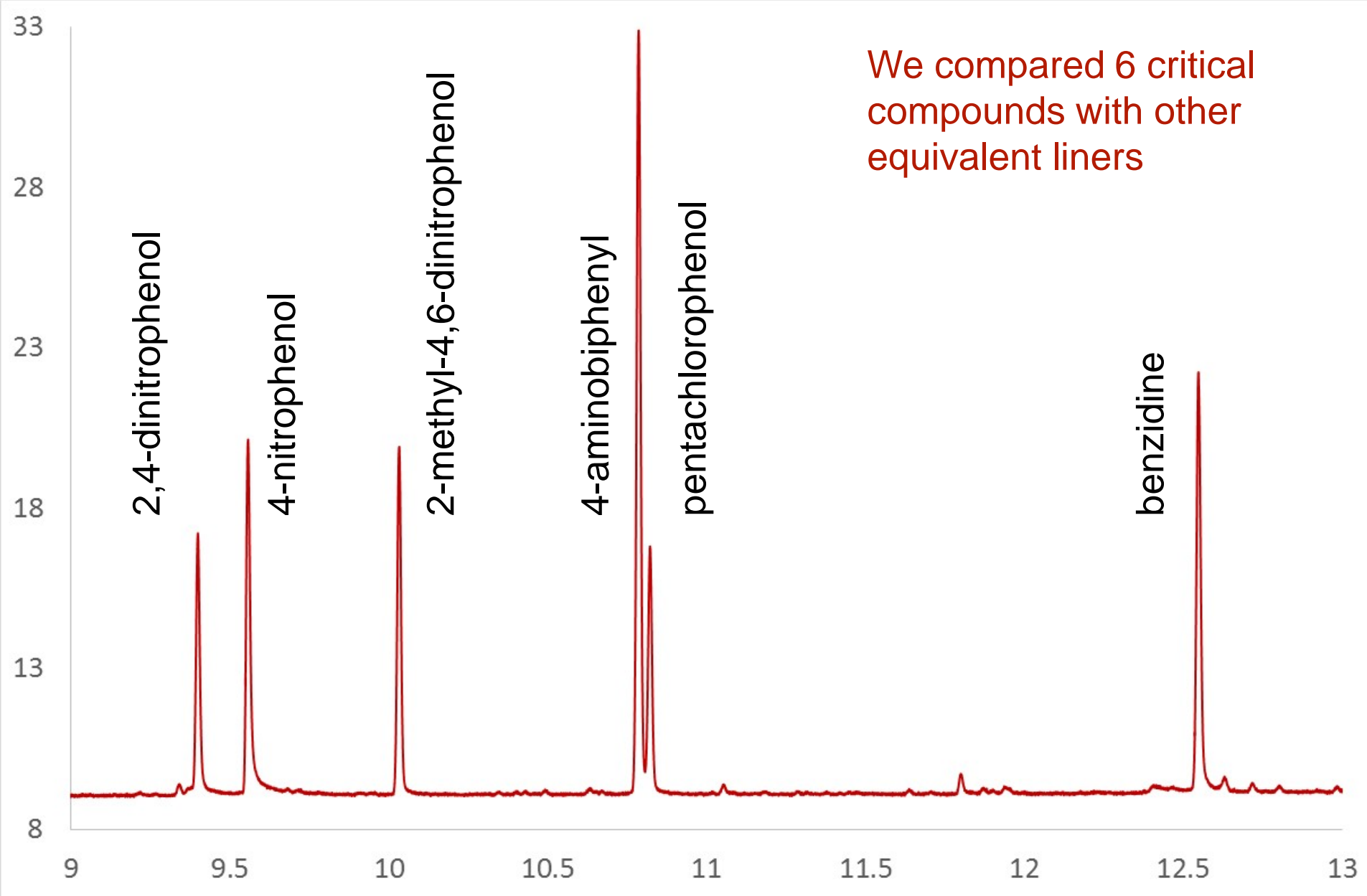


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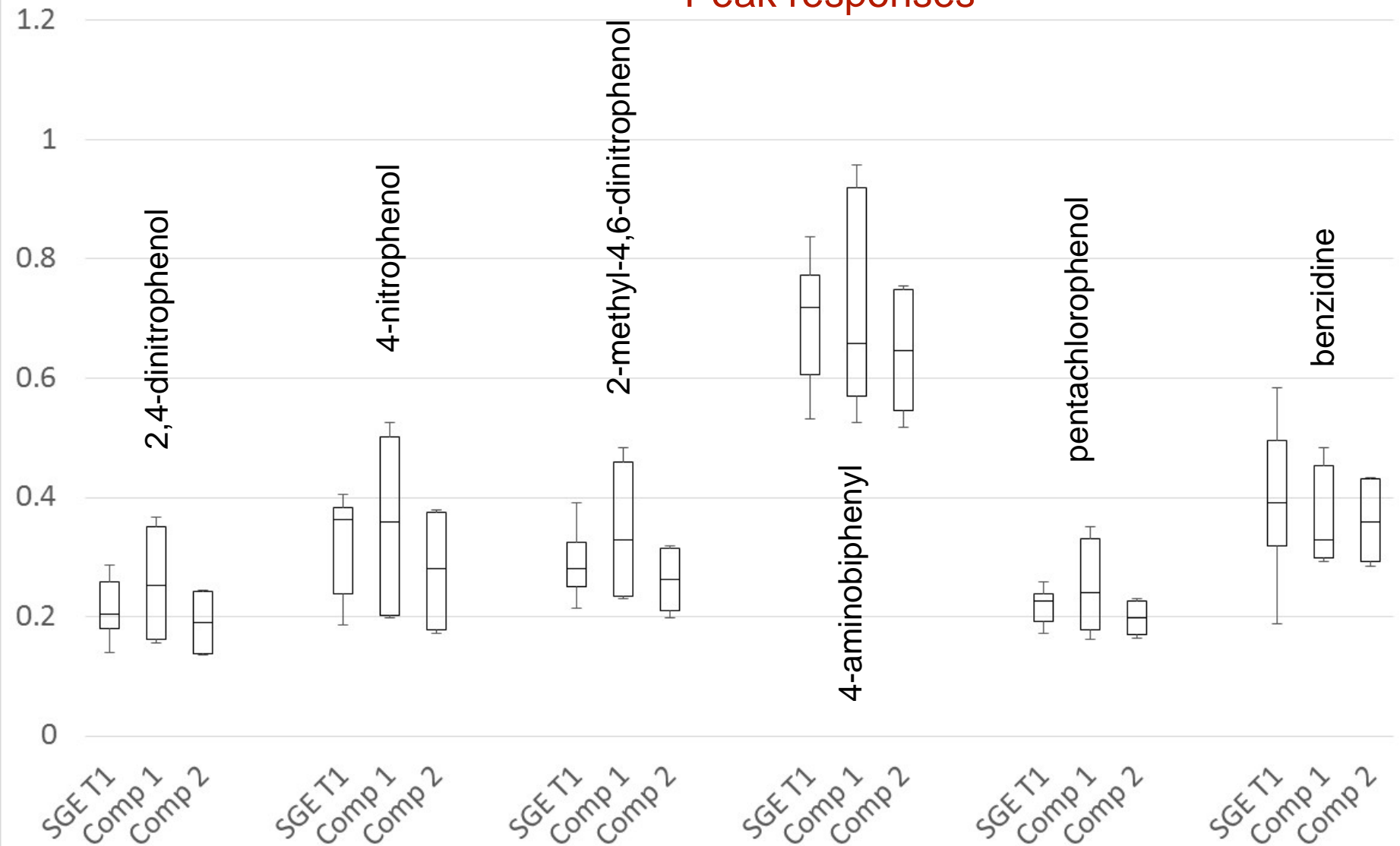
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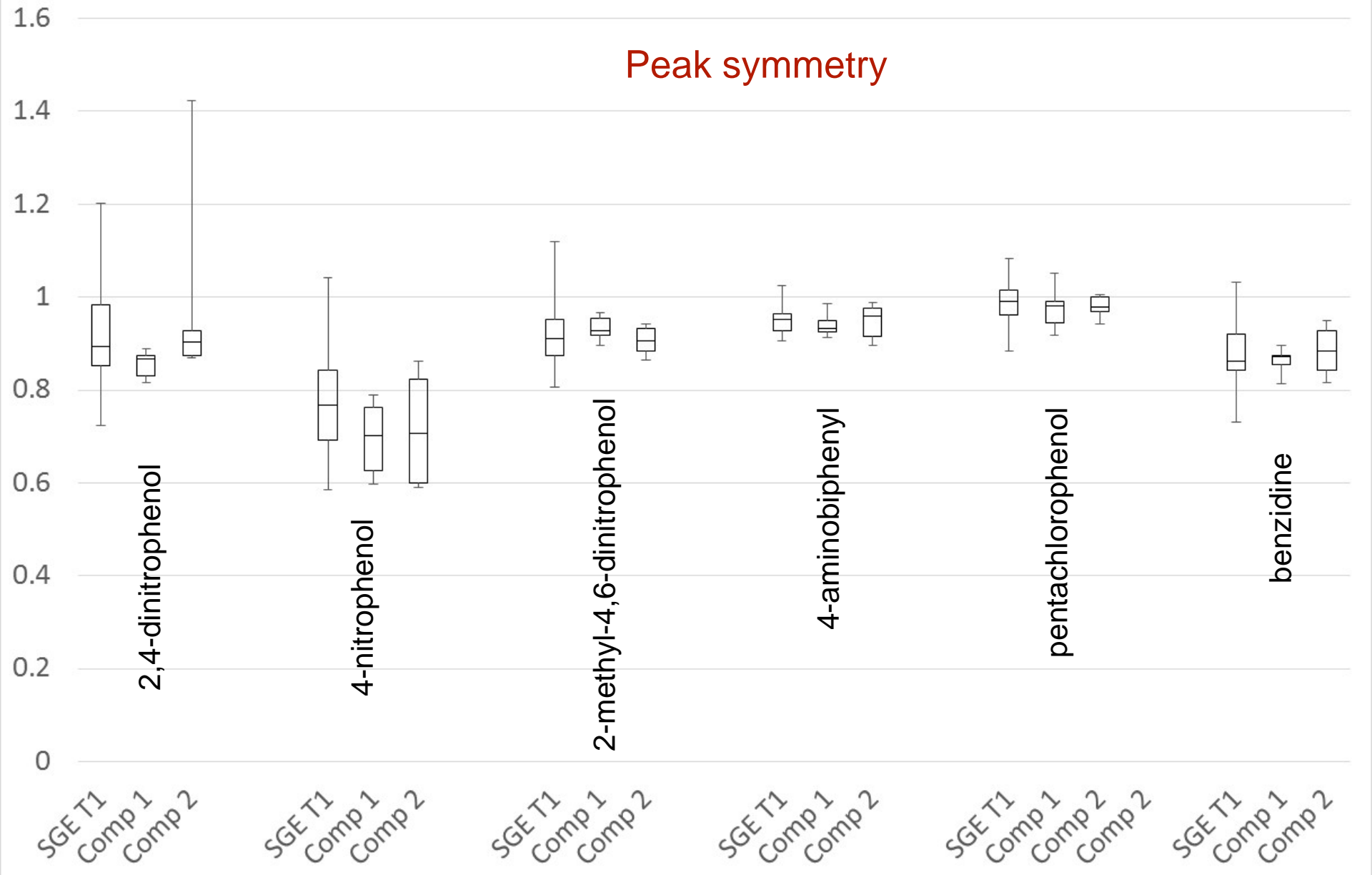
We compared 6 critical compounds with other equivalent liners



Peak responses



Peak symmetry



* Details of test mix

- Trajan's T1 deactivation for SGE Inlet Liners for 8270 semi-volatiles analysis are tested using a mix containing low levels (2ng on column) of problematic compounds:
 - N-nitrosodimethylamine, aniline, 2,4-dinitrophenol, 4-nitrophenol, 2-methyl-4,6-dinitrophenol, 4-aminobiphenol, pentachlorophenol, benzidine, benzo(b)fluoranthene, benzo(k)fluoranthene, and 3,3'-dichlorobezidine