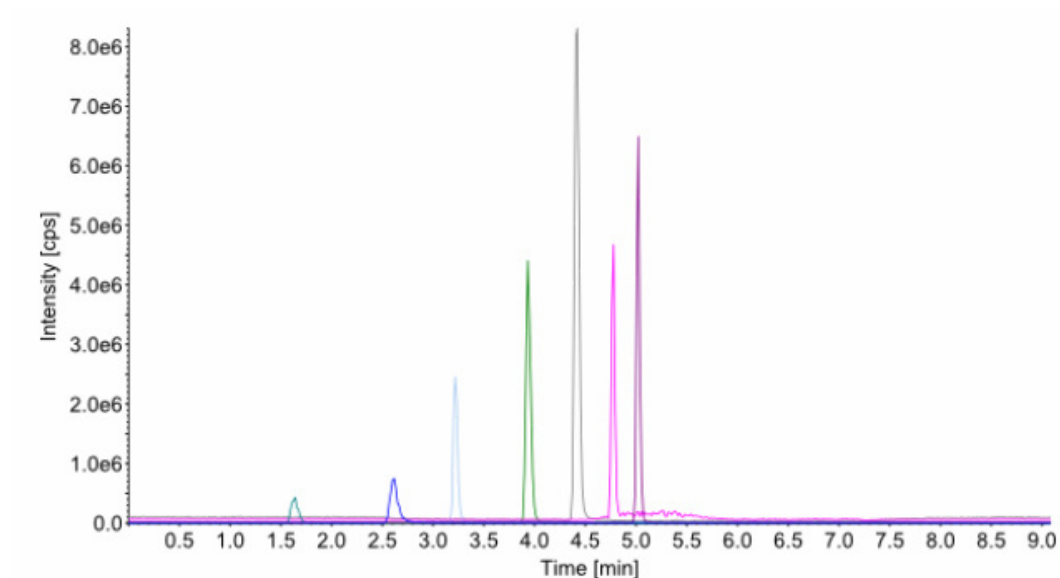


Analysis of nitrosamines by LC-MS/MS

Application Number 128360



Analyte	RT [min]	[M + H] ⁺	Q1 (Quantifier)	Q2 (Qualifier)
N-Nitroso-diethanolamine	1.64	135.1	74.0	104.1
N-Nitroso-dimethylamine	2.61	75.1	58.0	
N-Nitroso-morpholine	3.22	117.0	45.0	86.0
N-Nitroso-diethylamine	3.94	103.1	75.1	47.0
N-Nitroso-piperidine	4.41	115.1	69.1	41.0
N-Nitrosodi-n-propylamine	4.77	131.1	89.2	43.0
N-Nitrosodi-n-butylamine	5.02	159.2	57.1	103.2

Column EC 100/2 NUCLEODUR π2, 3 μm

REF 760636.20

Sample(s) 100 ng/mL each in water

Conditions Eluent A: 0.1 % formic acid in water

Eluent B: 0.1 % formic acid in methanol

Gradient: hold 2.5 % B for 1.0 min, in 1 min from 2.5 % to 50 %

B, hold for 1.0 min, in 0.5 min to 97.5 % B, hold for 2.5 min, in 0.1 min to 2.5 % B, hold for 3.0 min

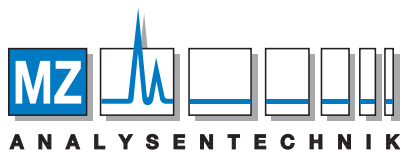
Flow rate 0.3 mL/min

Temperature 40 °C

Injection volume 20 μL

Detection MS/MS, Sciex API 5500
Ion source Turbo Spray (APCI)
Polarity positive
Scan type MRM
Curtain gas 35 psig
Nebulizer current 3.0 μ A
Temperature 450 °C
Gas 1 (nebulizer) 45 psig
CAD gas medium

Author Application department
Source MACHEREY-NAGEL, Germany 2017



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