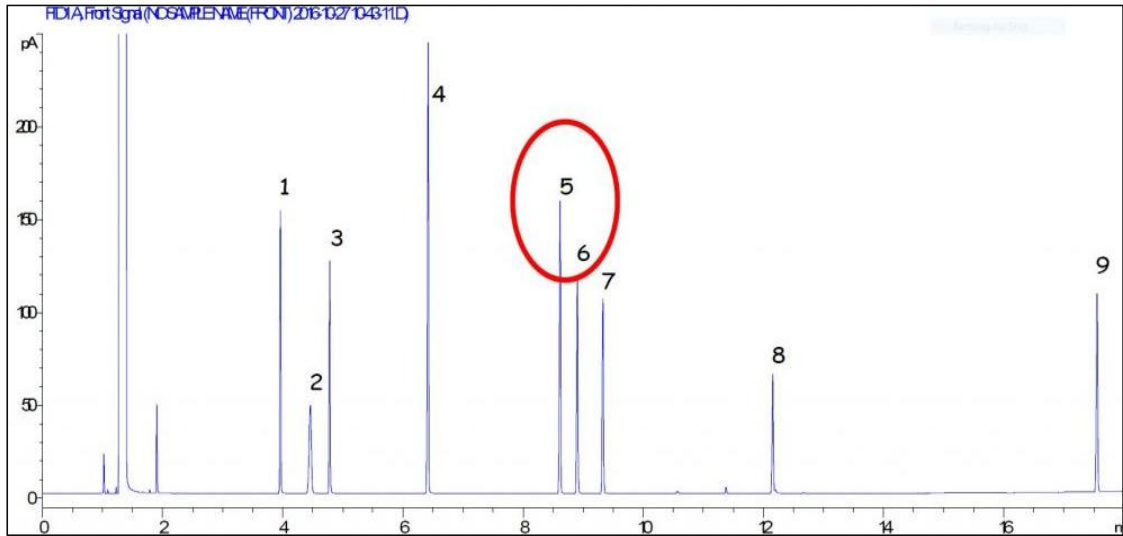




## 亚硝胺在NanoChrom BP-Wax-AQ上的分离与检测

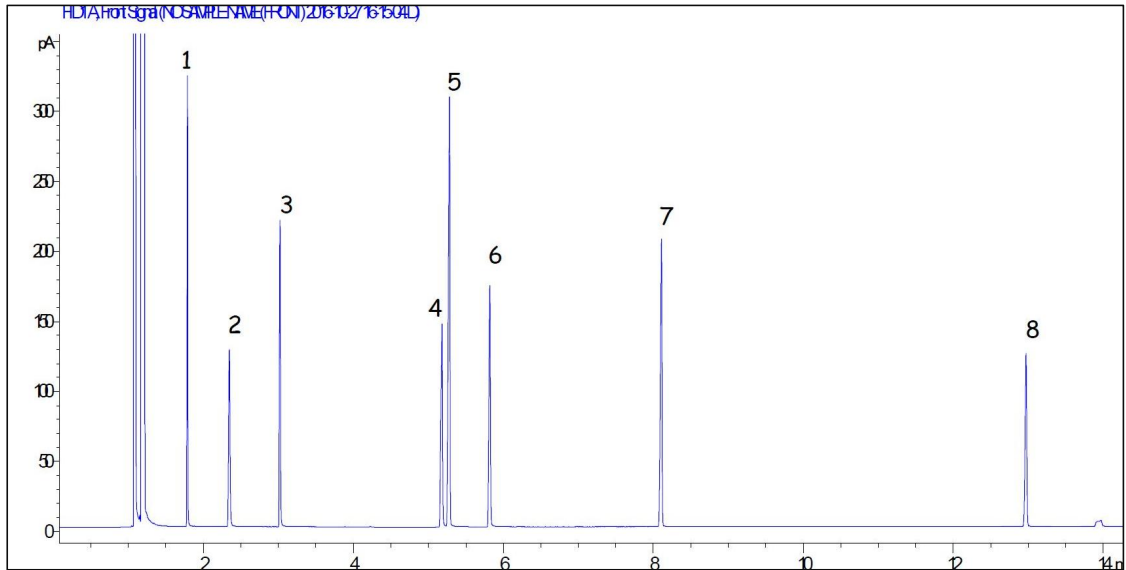


Column: NanoChrom BP-Wax-AQ  
 Dimension: 30m × 0.25mm × 0.25μm  
 Carrier: He, pressure: 12.2 psi  
 Split: 60 mL/min  
 Oven: 40 °C to 240 °C at 10 °C/min  
 Inject: 0.1 μL

Peak	Compound	Retention time (min)
1	N-nitrosodimethylamine (NDMA) N-亚硝基二甲胺	3.96
2	N-nitrosomethylethylamine (NMEA) N-亚硝基甲基乙胺	4.46
3	N-nitrosodiethylamine (NDEA) N-亚硝基二乙胺	4.78
4	N-nitrosodi-n-propylamine (NDPA) N-亚硝基-N-丙胺	6.42
5	N-nitrosodi-n-butylamine (NDBA) N-亚硝基-N-丁胺	8.61
6	N-nitrosopiperidine (NPIP) N-亚硝基哌啶	8.9
7	N-nitrosopyrrolidine (NPYR) N-亚硝基丙氨酸	9.33
8	Impurity 杂质	12.15
9	N-nitrosodiphenylamine (NDPhA) N-亚硝基二苯胺	17.55



## 亚硝胺在NanoChrom BP-5MS上的分离与检测

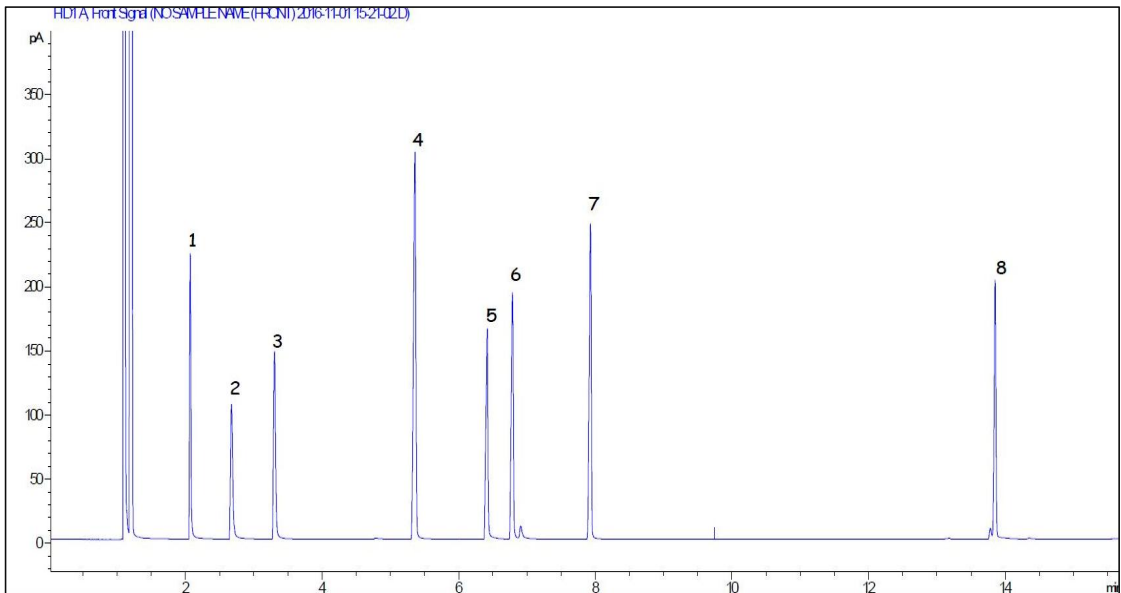


Column: NanoChrom BP-5MS  
 Dimension: 30m×0.25mm×0.25µm  
 Carrier: He, pressure: 12.2 psi  
 Split: 60 mL/min  
 Oven: 60 °C to 240 °C (hold 2 min) at 10 °C/min  
 Inject: 0.1 µL

Peak	Compound	Retention time (min)
1	N-nitrosodimethylamine (NDMA) N-亚硝基二甲胺	1.79
2	N-nitrosomethylethylamine (NMEA) N-亚硝基甲基乙胺	2.34
3	N-nitrosodiethylamine (NDEA) N-亚硝基二乙胺	3.02
4	N-nitrosodi-n-propylamine (NDPA) N-亚硝基-N-丙胺	5.18
5	N-nitrosopyrrolidine (NPYR) N-亚硝基丙氨酸	5.28
6	N-nitrosopiperidine (NPIP) N-亚硝基哌啶	5.82
7	N-nitrosodi-n-butylamine (NDBA) N-亚硝基-N-丁胺	8.11
8	N-nitrosodiphenylamine (NDPhA) N-亚硝基二苯胺	12.97



## 亚硝酸在NanoChrom BP-35MS上的分离与检测

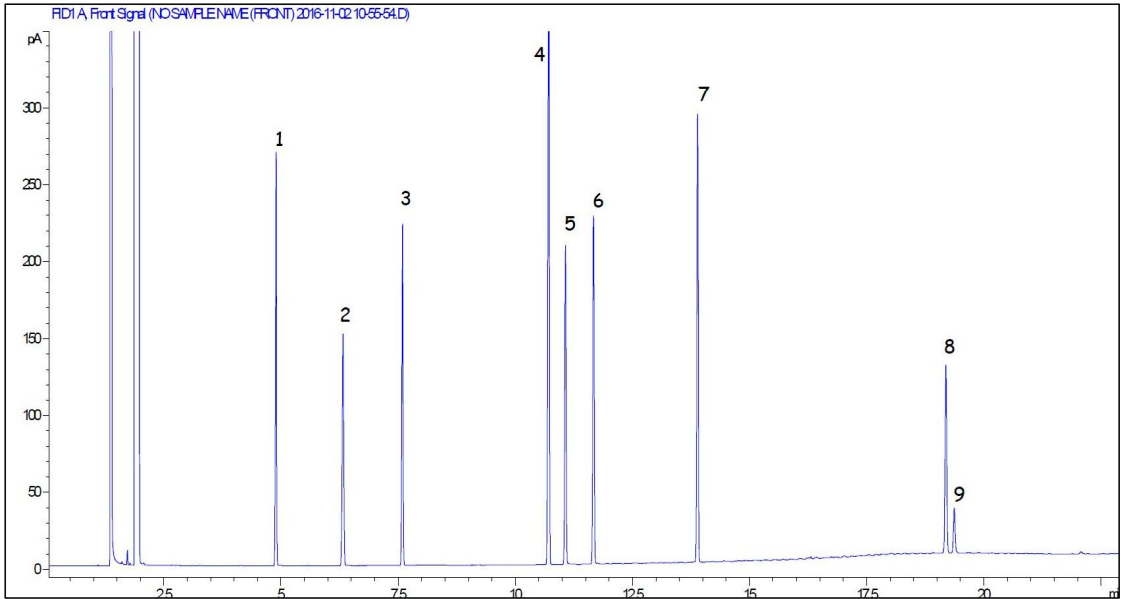


Column: NanoChrom BP-35MS  
 Dimension: 30m×0.25mm×0.25μm  
 Carrier: He, pressure: 12.2 psi  
 Split: 60 mL/min  
 Oven: 60 °C to 240 °C at 10 °C/min  
 Inject: 0.1 μL

Peak	Compound	Retention time (min)
1	N-nitrosodimethylamine (NDMA) N-亚硝基二甲胺	2.07
2	N-nitrosomethylethylamine (NMEA) N-亚硝基甲基乙胺	2.67
3	N-nitrosodiethylamine (NDEA) N-亚硝基二乙胺	3.31
4	N-nitrosopyrrolidine (NPYR) N-亚硝基丙氨酸	5.36
5	N-nitrosodi-n-propylamine (NDPA) N-亚硝基-N-丙胺	6.42
6	N-nitrosopiperidine (NPIP) N-亚硝基哌啶	6.79
7	N-nitrosodi-n-butylamine (NDBA) N-亚硝基-N-丁胺	7.93
8	N-nitrosodiphenylamine (NDPhA) N-亚硝基二苯胺	13.86



## 亚硝酸在NanoChrom BP-624上的分离与检测



Column: NanoChrom BP-624  
 Dimension: 30m×0.25mm×1.40μm  
 Carrier: He, pressure: 12.2 psi  
 Split: 60 mL/min  
 Oven: 60 °C to 240 °C at 10 °C/min  
 Inject: 0.1 μL

Peak	Compound	Retention time (min)
1	N-nitrosodimethylamine (NDMA) N-亚硝基二甲胺	3.96
2	N-nitrosomethylethylamine (NMEA) N-亚硝基甲基乙胺	4.46
3	N-nitrosodiethylamine (NDEA) N-亚硝基二乙胺	4.78
4	N-nitrosopyrrolidine (NPYR) N-亚硝基丙氨酸	6.42
5	N-nitrosodi-n-propylamine (NDPA) N-亚硝基-N-丙胺	8.61
6	N-nitrosopiperidine (NPIP) N-亚硝基哌啶	8.9
7	N-nitrosodi-n-butylamine (NDBA) N-亚硝基-N-丁胺	9.33
8	N-nitrosodiphenylamine (NDPhA) N-亚硝基二苯胺	17.55
9	Impurity杂质	12.15