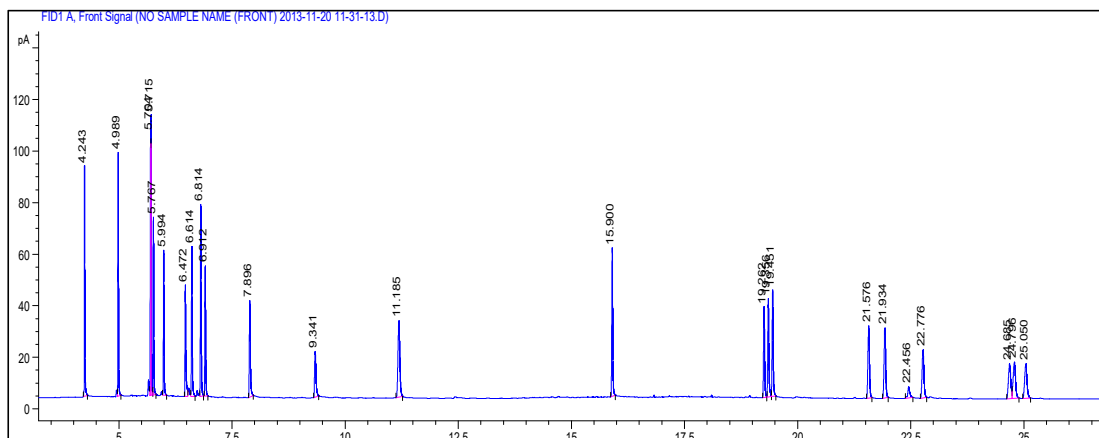




## 偶氮染料在NanoChrom BP-5MS上的分离与检测



Column: NanoChrom BP-5MS  
 Dimension: 30m × 0.25mm × 0.25µm  
 Carrier: Hydrogen, constant flow 1.5 mL/min  
 Inlet: Split, 275 °C, split ratio: 60: 1  
 Oven: 50 °C (hold 0.5 min.) to 150 °C (hold 8 min ) at 20 °C/min to 230 °C (hold 20 min ) at 20 °C/min to 260 °C (hold 5 min )  
 Inject: 偶氮染料 1 µL  
 Detector: FID 325 °C

Peak	Compound	Compound (Chinese)	Retention time (min)	Resolution
1	1,4-benzendiamine	苯胺	4.243	
2	2,4,5-Trimethylaniline	1,4-苯二胺	4.989	
3	2,4-Toluylenediamine	邻甲苯胺	5.704	
4	2,4-Diaminoanisole	2,4-二甲基苯胺	5.715	0.86
5	2,4-Xylidine	2,6-二甲基苯胺	5.767	3.61
6	2,6-Xylidine	邻氨基苯甲醚/2-甲氧基苯胺	5.994	
7	p-Cresidine	对氯苯胺	6.472	
8	2-Naphthylamine	2-甲氧基-5-甲基苯胺	6.614	
9	4,4'-Methylene-bis-(2-Chloroaniline)	2,4,5-三甲基苯胺	6.814	
10	3,3'-Dichlorobenzidine	4-氯邻甲苯胺	6.912	4.95
11	3,3'-Dimethyl-4,4'-diaminobiphenylmethane	2,4-二氨基甲苯	7.896	
12	3,3'-Dimethylbenzidine	2,4-二氨基苯甲醚	9.341	
13	3,3'-Dimethoxybenzidine	2-萘胺	11.185	
14	4,4'-Diaminobiphenylmethane	4-氨基联苯	15.9	
15	4,4'-Thiodianiline	4,4'-二氨基二苯醚	19.262	
16	4,4'-Oxydianiline	联苯胺	19.356	3.71
17	4-Aminobiphenyl	3,3'-二氯-4,4'-二氨基二苯甲烷	19.451	3.92
18	4-Chloro-o-toluidine	4,4'-二氨基二苯甲烷	21.576	
19	p-Chloroaniline	3,3'-二甲基-4,4'-二氨基二苯甲烷	21.934	
20	Benzidine	3,3'-二甲基联苯胺	22.776	
21	Aniline	4,4'-二氨基二苯硫醚	24.685	
22	o-Anisidine/2-Methoxyaniline	3,3'-二氯联苯胺	24.796	2.50
23	o-Toluidine	3,3'-二甲氧基联苯胺	25.05	5.52