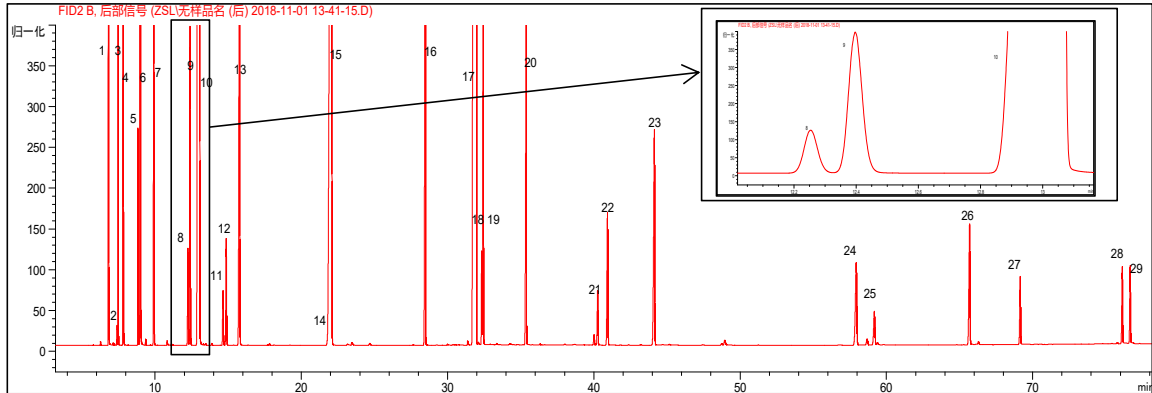


发动机燃料29种混标 (ASTM D 6730)在NanoChrom BP-PONA上的分离与检测



Column: NanoChrom BP-PONA
 Dimension: 100m×0.25mm×0.5μm
 Carrier: Hydrogen, column flow 1.3mL/min
 Inlet: S/S, 275 °C, split flow: 60 mL/min
 Oven: 50 °C (hold 27 min) to 100 °C (hold 27 min) at 22 °C/min to 160 °C (hold 10 min) at 3 °C/min
 Inject: ASTM D6730 Samples, 1 μL
 Detector: FID 325 °C

Peak	Compound	Compound (Chinese)	Retention time (min)	Resolution
1	Ethanol	乙醇	10.252	
2	Pentane	戊烷	11.489	
3	Tert-Butanol	叔丁醇	11.753	
4	2-methylbutene	2-甲基丁烯	12.022	
5	Methyl tert-butyl ether	甲基叔丁基醚(MTBE)	13.607	
6	2, 3-Dimethylbutane	2, 3-二甲基丁烷	13.723	2.11
7	Hexane	正己烷	15.456	
8	1-Methylcyclopentene	甲基环戊烯	19.17	
9	Benzene	苯	19.338	2.04
10	Cyclohexane	环己烷	20.404	
11	3-Ethylpentane	3-乙基戊烷	23.088	
12	t-1, 2-Dimethylcyclopentane	反-1, 2-二甲基环戊烷	23.43	3.7
13	Heptane	正庚烷	24.883	
14	2, 2, 3-trimethylpentane	2, 2, 3-三甲基戊烷	30.419	
15	Toluene	甲苯	30.494	1.6
16	Octane	正辛烷	33.93	
17	Ethylbenzene	乙苯	38.296	
18	2, 3-DiMethylheptane	2, 3-二甲基庚烷	38.774	
19	P-xylene	对二甲苯	38.954	2.63
20	Nonane	壬烷	42.444	
21	5-Methylnonane	5-甲基壬烷	47.257	
22	1-Ethyl-4-methylbenzene	乙基甲苯	47.943	
23	Decane	正癸烷	50.137	
24	Undecane	十一烷	56.773	
25	1, 2, 3, 5-Tetramethylbenzene	1, 2, 3, 5-四甲基苯	57.638	
26	Dodecane	十二烷	70.148	
27	Naphthalene	萘	61.352	
28	1-Methylnaphthalene	1-甲基萘	70.524	
29	Tridecane	十三烷	62.889	4.74