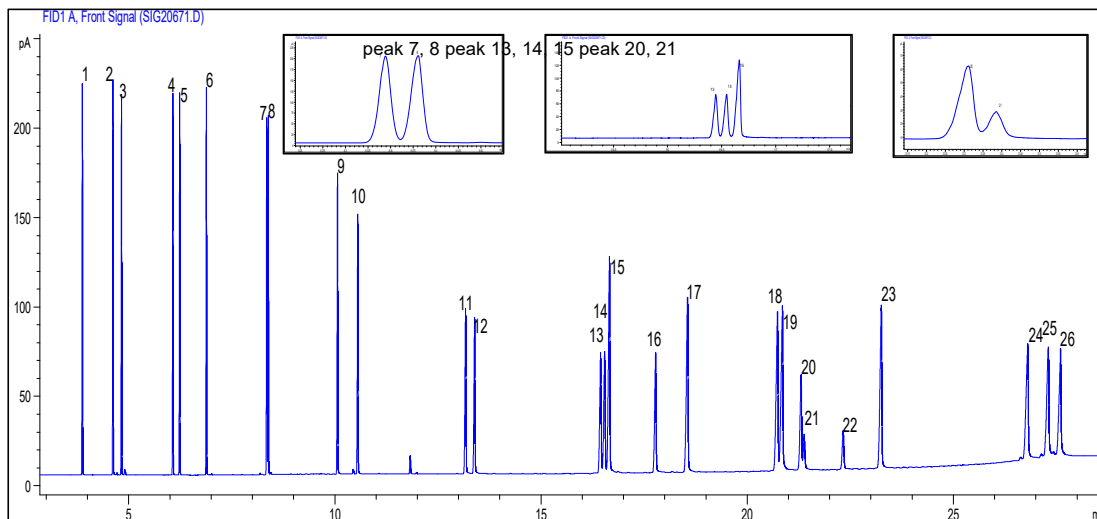




26 PAHs在NanoChrom BP-5MS-PAH上的分离与检测



Column: NanoChrom BP-5MS-PAH
 Dimension: 30m×0.25mm×0.25µm
 Carrier: Hydrogen, column flow: 1.2 mL/min
 Inlet: Split, 275 °C, split flow: 50 mL/min
 Oven: 100 °C (hold 1 min) to 280 °C at 15 °C/min to 340 °C (hold 10 min) at 5 °C/min
 Inject: 1 µL
 Detector: FID 350 °C

Peaks	Compound	Retention time (min)	Resolution
1	Naphthalene (萘)	3.87	
2	1-Methylnaphthalene (1-甲基萘)	4.61	
3	2-Methylnaphthalene (2-甲基萘)	4.82	
4	Acenaphthylene (乙酰萘)	6.07	
5	Acenaphthene (萵)	6.23	
6	Fluorene (芴)	6.88	
7	Phenanthrene (菲)	8.34	
8	Anthracene (蒽)	8.38	2.23
9	Fluoranthene (荧蒽)	10.07	
10	Pyrene (芘)	10.56	
11	Benzo[a]anthracene (苯并[a]蒽)	13.17	
12	Chrysene (苯并菲)	13.39	
13	Benzo[b]fluoranthene (苯并[b]荧蒽)	16.45	
14	Benzo[k]fluoranthene (苯并[k]荧蒽)	16.55	2.65
15	Benzo[j]fluoranthene (苯并[j]荧蒽)	16.66	3.03
16	Benzo[a]pyrene (苯并[a]芘)	17.78	
17	3-Methylcholanthrene (3-甲基胆蒽)	18.56	
18	Dibenzo[a, h]acridine (二苯并[a, h]吡啶)	20.74	
19	Dibenzo[a, j]acridine (二苯并[a, j]吡啶)	20.86	2.58
20	Indeno[1, 2, 3-cd]pyrene (茚并[1, 2, 3-cd]芘)	21.31	
21	Dibenz[a, h]anthracene (二苯并[a, h]蒽)	21.38	1.81
22	Benzo[ghi]perylene (苯并[ghi]芘)	22.33	
23	7H-Dibenzo[c, g]carbazole (7H-二苯并[c, g]咪唑)	23.25	
24	Dibenzo[a, e]pyrene (二苯并[a, e]芘)	26.81	
25	Dibenzo[a, i]pyrene (二苯并[a, i]芘)	27.30	
26	Dibenzo[a, h]pyrene (二苯并[a, h]芘)	27.60	