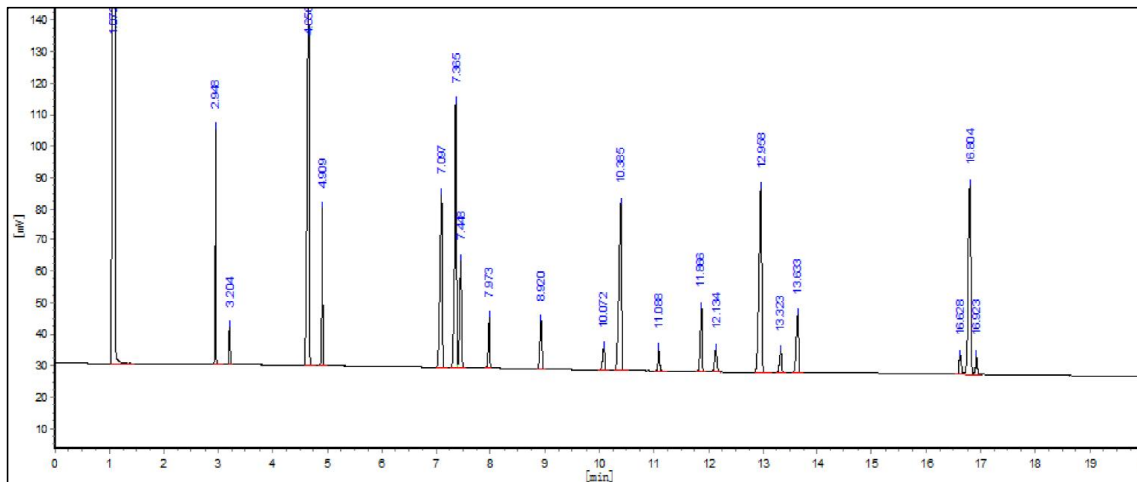




鱼油FAME标样 (27Mix)在NanoChrom BP-FAMEWAX上的分离与检测

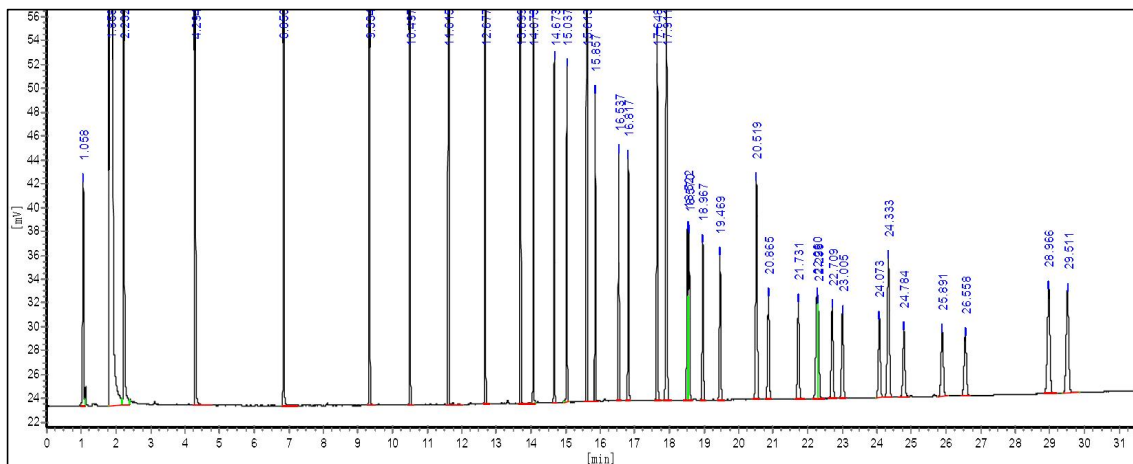


Column: NanoChrom BP-FAMEWAX
 Dimension: 30m×0.25mm×0.25µm
 Carrier: Hydrogen, column flow 1.0 mL/min
 Inlet: Split, 250 °C, split ratio: 50: 1
 Oven: 160 °C to 250 °C (hold 5 min) at 4 °C/min
 Inject Volume: 1 uL
 Detector: FID 280 °C

Peaks	Compound	Retention time (min)
1	肉豆蔻酸 C14:0	2.948
2	顺-9-十四碳烯酸 C14:1	3.204
3	棕榈酸 C16:0	4.656
4	棕榈油酸 C16:1	4.909
5	硬脂酸 C18:0	7.097
6	油酸 C18:1n9	7.365
7	异油酸 C18:1n7	7.448
8	亚油酸 C18:2n6 (LA) (Ω-6)	7.973
9	异亚麻酸 C18:3n6 (GLA) (Ω-6)	8.92
10	二十烷酸 C20:0	10.072
11	顺-11-二十碳烯酸 C20:1n9	10.385
12	二十碳二烯酸 C20:2	11.088
13	花生四烯酸 C20:4 (ARA) (Ω-6)	11.866
14	顺式-8, 11, 14-二十碳三烯酸 C20:3	12.134
15	顺式-5, 8, 11, 14, 17-二十碳五烯酸C20:5 (EPA) (Ω-3)	12.958
16	正二十二烷酸 C22:0	13.323
17	芥酸 C22:1	13.633
18	木蜡酸 C24:0	16.628
19	二十二碳六烯酸 C22:6n3 (DHA) (Ω-3)	16.804
20	神经酸 C24:1	16.923
21	肉豆蔻酸 C14:0	2.948
22	顺-9-十四碳烯酸 C14:1	3.204
23	棕榈酸 C16:0	4.656
24	棕榈油酸 C16:1	4.909
25	硬脂酸 C18:0	7.097
26	油酸 C18:1n9	7.365
27	异油酸 C18:1n7	7.448



脂肪酸甲酯 (FAMES, 37Mix)在NanoChrom BP-FAMEWAX上的分离与检测

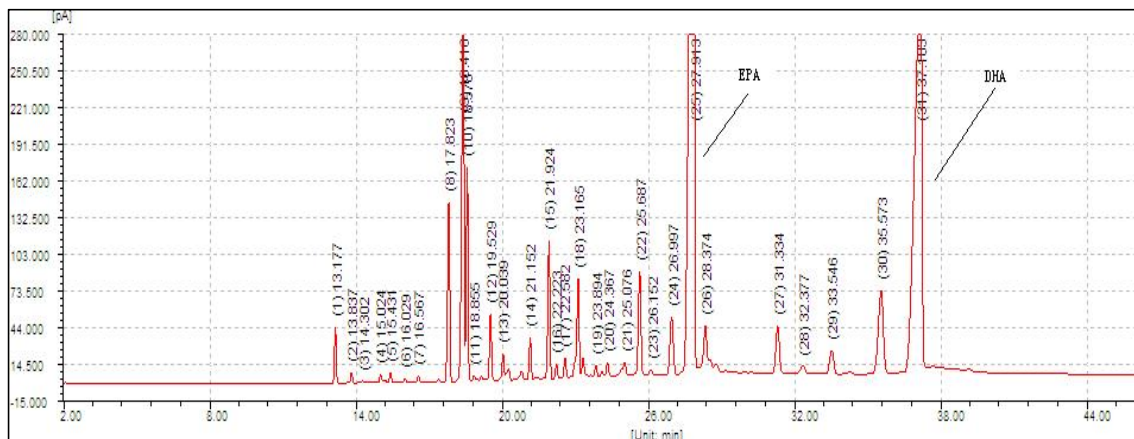


Column: NanoChrom BP-FAMEWAX
 Dimension: 30m×0.32mm×0.25µm
 Carrier: Hydrogen, column flow 1.0 mL/min
 Inlet: Split, 275 °C, split ratio: 30: 1
 Oven: 50 °C (hold 1 min) to 200 °C (hold 1 min) at 10 °C/min to 260 °C (hold 10 min) at 2 °C/min
 Inject Volume: 0.1 µL
 Detector: FID 280 °C

Compound	Retention	Compound	Retention
C4:0	2.232	C18:2 (all-cis-9, 12)	18.57
C6:0	4.294	C18:3 (all-cis-6, 9, 12)	18.967
C8:0	6.85	C18:3 (all-cis-9, 12, 15)	19.469
C10:0	9.334	C20:0	20.519
C11:0	10.497	C20:1 (cis-11)	20.865
C12:0	11.615	C20:2 (all-cis-11, 14,)	21.731
C13:0	12.677	C20:3 (all-cis-8, 11, 14)	22.709
C14:0	13.699	C20:3 (all-cis-11, 14, 17)	22.26
C14:1 (cis-9)	14.073	C20:4 (all-cis-5, 8, 11, 14)	23.005
C15:0	14.673	C20:5 (all-cis-5, 8, 11, 14, 17)	24.073
C15:1 (cis-10)	15.037	C21:0	22.299
C16:0	15.613	C22:0	24.333
C16:1 (cis-9)	15.857	C22:1 (cis-13)	24.784
C17:0	16.537	C22:2 (all-cis-13, 16)	25.891
C17:1 (cis-10)	16.817	C22:6 (all-cis-4, 7, 10, 13, 16, 19)	29.511
C18:0	17.648	C23:0	26.558
C18:1 (trans-9)	17.911	C24:0	28.966
C18:1 (cis-9)	17.911	C24:1 (cis-15)	29.511
C18:2 (all-trans-9, 12)	18.522		



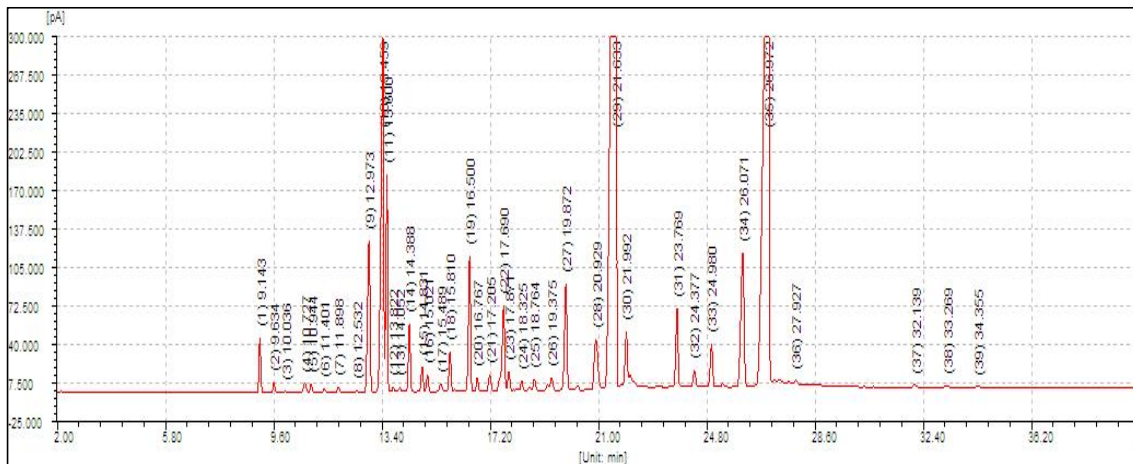
鱼油在NanoChrom BP-INOWAX上的分离与检测



Column: NanoChrom BP-INOWAX
 Dimension: 30m×0.32mm×0.5μm
 Carrier: Nitrogen, column flow: 1.0 mL/min
 Inlet: Split, 270 °C, split ratio: 70: 1
 Oven: 170 °C (hold 1 min) to 240 °C (hold 30 min) at 3 °C/min
 Inject: 0.2 μL
 Detector: FID 260 °C



鱼油在NanoChrom BP-FFAP上的分离与检测



Column: NanoChrom BP-FFAP
 Dimension: 30m×0.32mm×0.25µm
 Carrier: Nitrogen, column flow: 1.0 mL/min
 Inlet: Split, 270 °C, split ratio: 70: 1
 Oven: 170 °C (hold 1 min) to 240 °C (hold 30 min) at 3 °C/min
 Inject: 0.2 µL
 Detector: FID 260 °C