

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062425AL\
 Data File : FE054570.D
 Signal(s) : FID1B.ch
 Acq On : 24 Jun 2025 13:39
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/25/2025
 Supervised By :mohammad ahmed 06/26/2025

Integration File: autoint1.e
 Quant Time: Jun 25 02:13:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
 Quant Title : GC Extractables
 QLast Update : Tue Jun 10 07:24:04 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.821	3058464	18.510 ug/ml
Spiked Amount 50.000		Recovery =	37.02%
12) S 1-chlorooctadecane (S...	13.265	2232701	18.309 ug/ml
Spiked Amount 50.000		Recovery =	36.62%
Target Compounds			
1) T n-Nonane (C9)	3.171	2321966	18.698 ug/ml
2) T n-Decane (C10)	4.433	2384403	19.190 ug/ml
3) T A~Naphthalene (C11.7)	6.149	2548671	18.859 ug/ml
4) T n-Dodecane (C12)	6.614	2481591	19.489 ug/ml
5) T A~2-methylnaphthalene...	7.251	2503060	18.898 ug/ml
6) T n-Tetradecane (C14)	8.449	2534429	19.576 ug/ml
7) T n-Hexadecane (C16)	10.061	2525985	19.015 ug/ml
8) T n-Octadecane (C18)	11.508	2547081	18.863 ug/ml
10) T n-Eicosane (C20)	12.819	2503105	18.711 ug/ml
11) T n-Heneicosane (C21)	13.433	2464386	18.534 ug/ml
13) T n-Docosane (C22)	14.021	2453295	18.710 ug/ml
14) T n-Tetracosane (C24)	15.125	2449938	18.993 ug/ml
15) T n-Hexacosane (C26)	16.148	2405283	19.161 ug/ml
16) T n-Octacosane (C28)	17.099	2490900	20.312 ug/mlm
17) T n-Tricontane (C30)	17.988	2850562	22.999 ug/mlm
18) T n-Dotriacontane (C32)	18.823	2972284	23.656 ug/ml
19) T n-Tetratriacontane (C34)	19.608	2857027	22.965 ug/mlm
20) T n-Hexatriacontane (C36)	20.348	2739892	21.284 ug/mlm
21) T n-Octatriacontane (C38)	21.075	2561092	19.396 ug/mlm
22) T n-Tetracontane (C40)	21.961	2494877	18.521 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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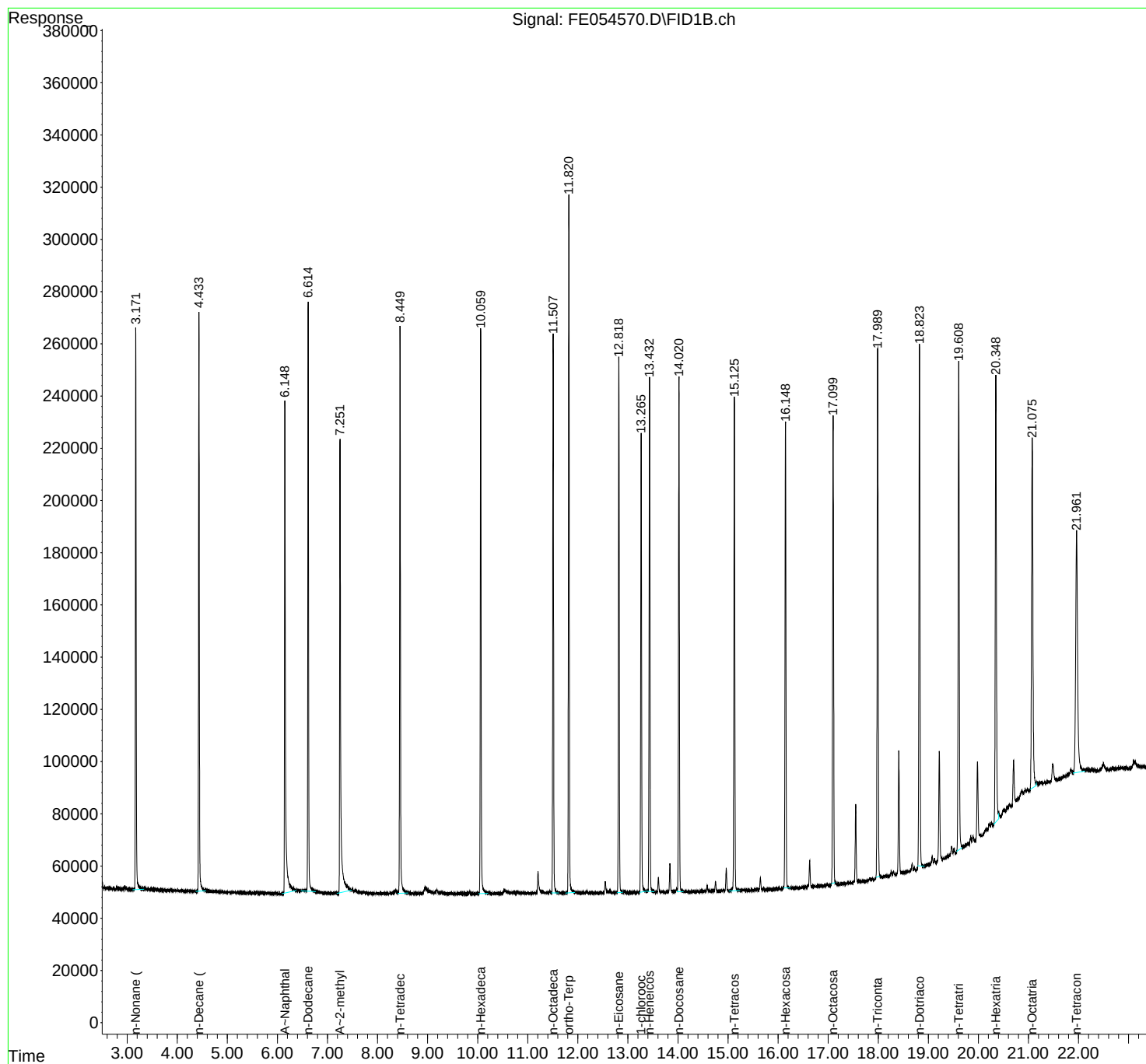
Instrument :
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20 PPM ALIPHATIC HC STD

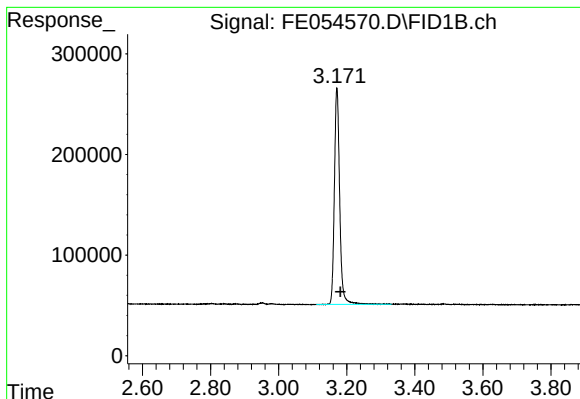
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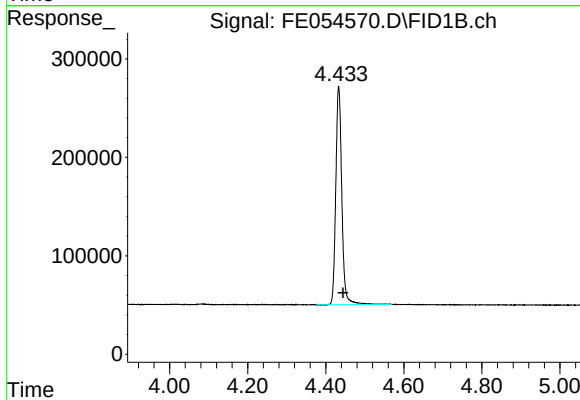
#1 n-Nonane (C9)

R.T.: 3.171 min
Delta R.T.: -0.010 min
Response: 2321966
Conc: 18.70 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

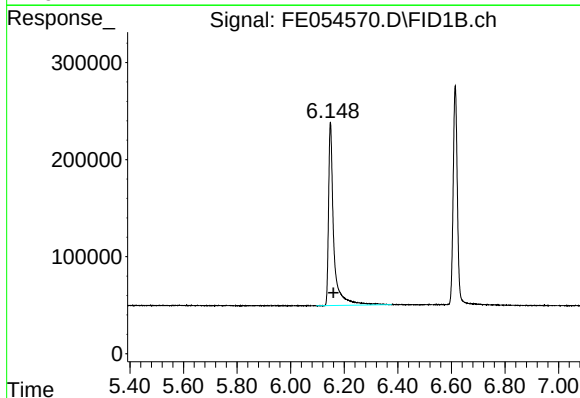
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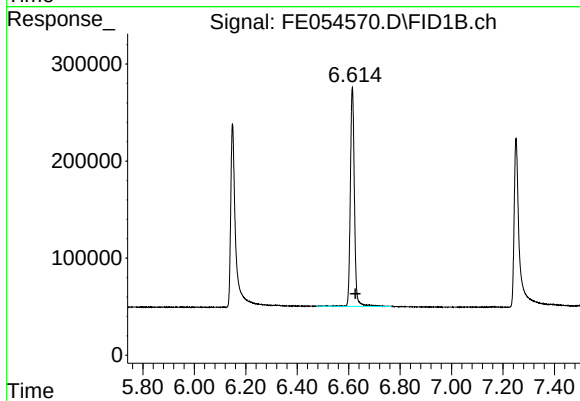
#2 n-Decane (C10)

R.T.: 4.433 min
Delta R.T.: -0.011 min
Response: 2384403
Conc: 19.19 ug/ml



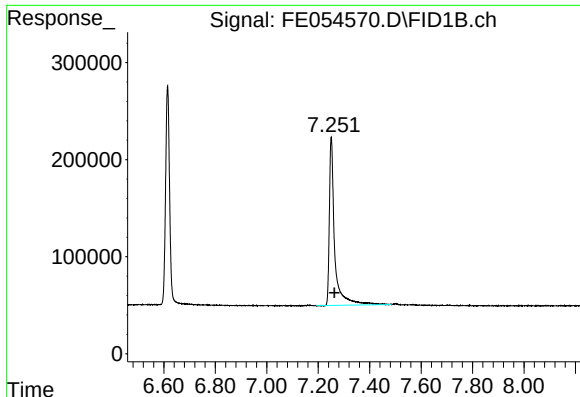
#3 A~Naphthalene (C11.7)

R.T.: 6.149 min
Delta R.T.: -0.011 min
Response: 2548671
Conc: 18.86 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.614 min
Delta R.T.: -0.012 min
Response: 2481591
Conc: 19.49 ug/ml



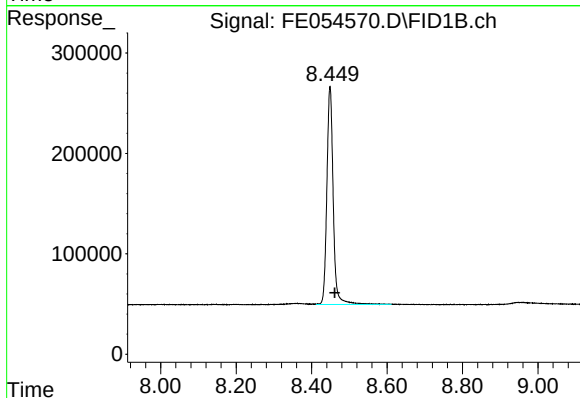
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.251 min
Delta R.T.: -0.012 min
Response: 2503060
Conc: 18.90 ug/ml

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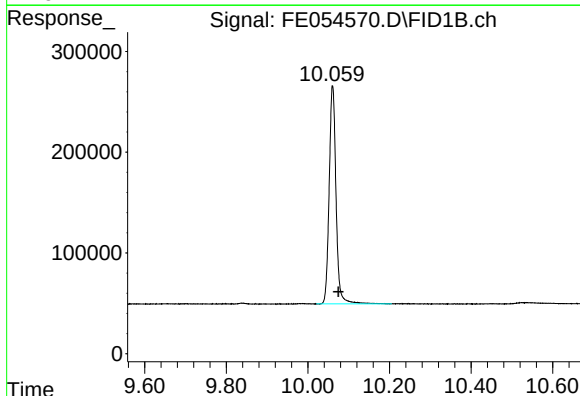
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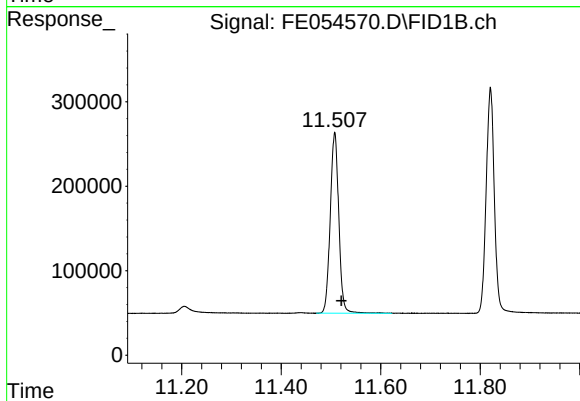
#6 n-Tetradecane (C14)

R.T.: 8.449 min
Delta R.T.: -0.013 min
Response: 2534429
Conc: 19.58 ug/ml



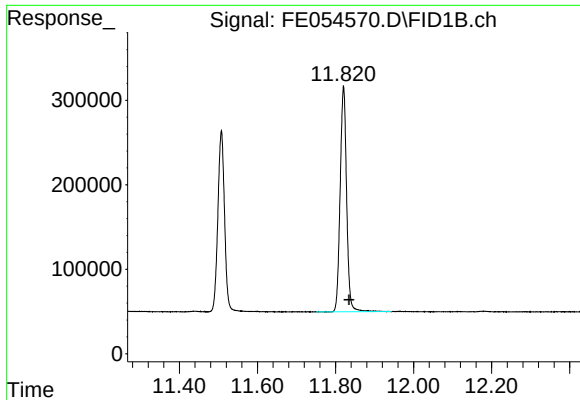
#7 n-Hexadecane (C16)

R.T.: 10.061 min
Delta R.T.: -0.014 min
Response: 2525985
Conc: 19.02 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.508 min
Delta R.T.: -0.014 min
Response: 2547081
Conc: 18.86 ug/ml



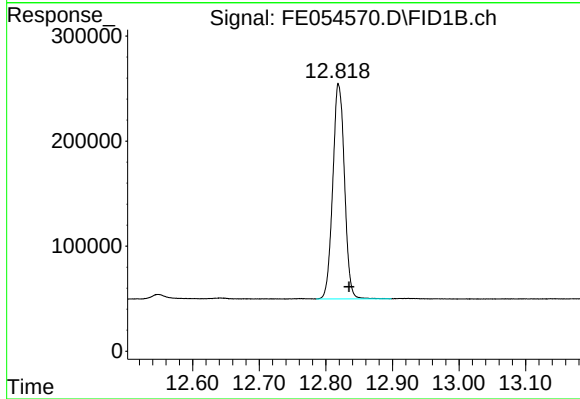
#9 ortho-Terphenyl (SURR)

R.T.: 11.821 min
Delta R.T.: -0.014 min
Response: 3058464
Conc: 18.51 ug/ml

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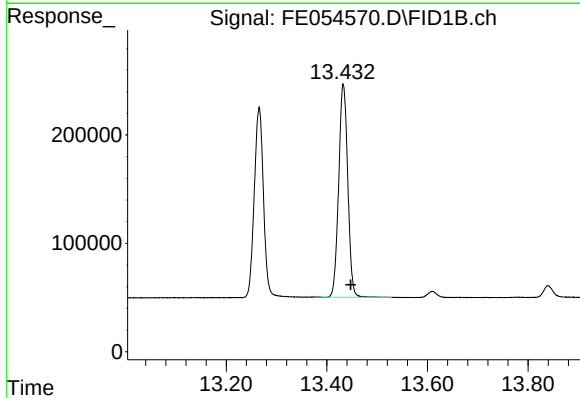
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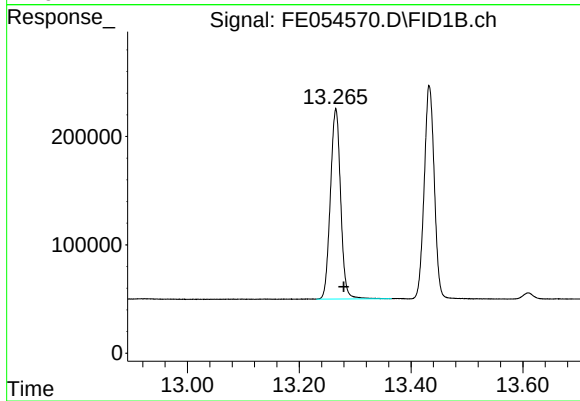
#10 n-Eicosane (C20)

R.T.: 12.819 min
Delta R.T.: -0.015 min
Response: 2503105
Conc: 18.71 ug/ml



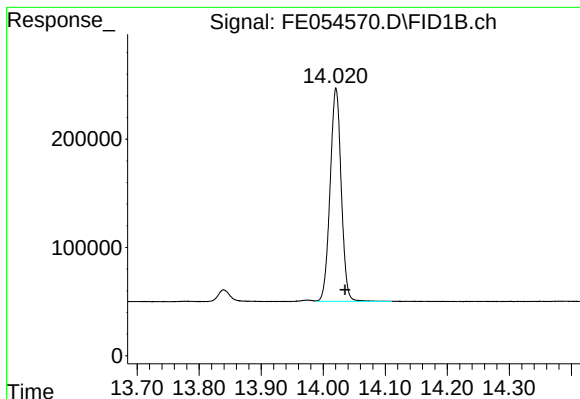
#11 n-Heneicosane (C21)

R.T.: 13.433 min
Delta R.T.: -0.015 min
Response: 2464386
Conc: 18.53 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.265 min
Delta R.T.: -0.014 min
Response: 2232701
Conc: 18.31 ug/ml



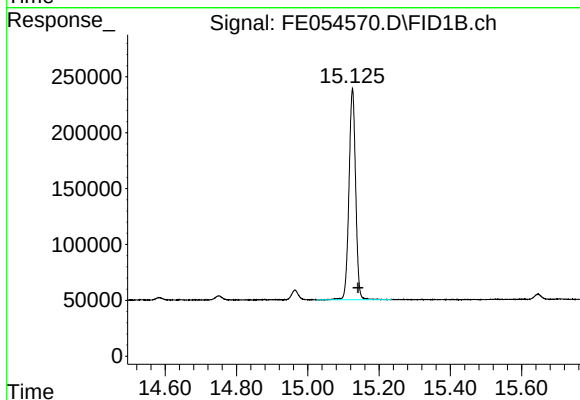
#13 n-Docosane (C22)

R.T.: 14.021 min
Delta R.T.: -0.015 min
Response: 2453295
Conc: 18.71 ug/ml

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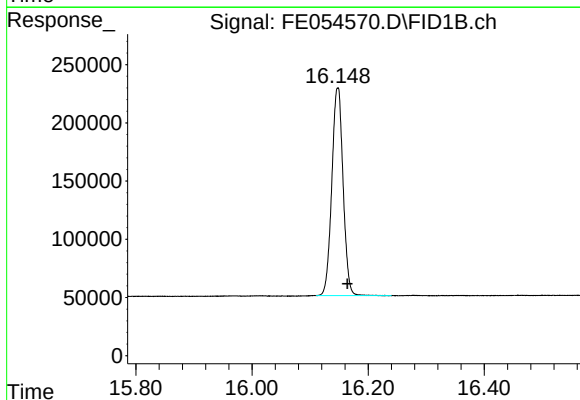
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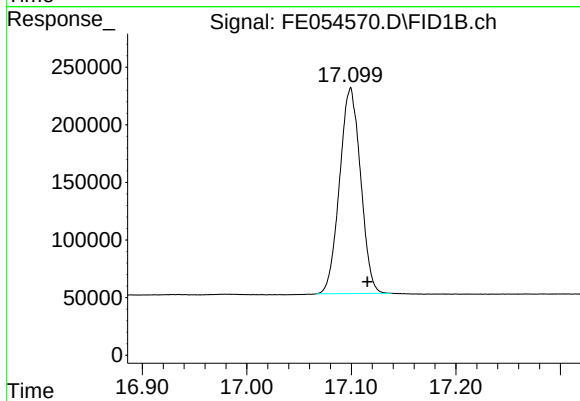
#14 n-Tetracosane (C24)

R.T.: 15.125 min
Delta R.T.: -0.016 min
Response: 2449938
Conc: 18.99 ug/ml



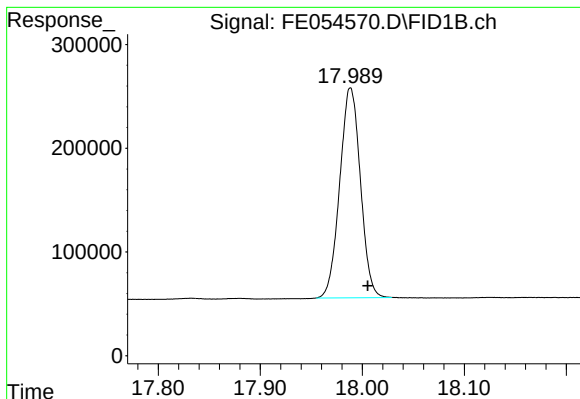
#15 n-Hexacosane (C26)

R.T.: 16.148 min
Delta R.T.: -0.017 min
Response: 2405283
Conc: 19.16 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.099 min
Delta R.T.: -0.016 min
Response: 2490900
Conc: 20.31 ug/ml m



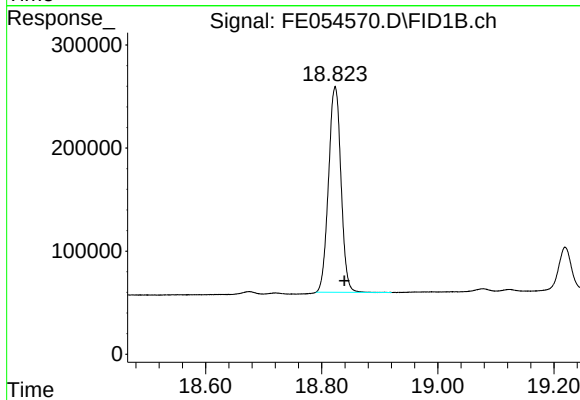
#17 n-Tricontane (C30)

R.T.: 17.988 min
Delta R.T.: -0.017 min
Response: 2850562
Conc: 23.00 ug/ml

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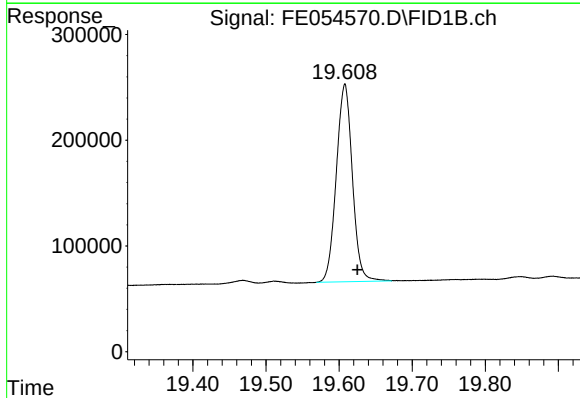
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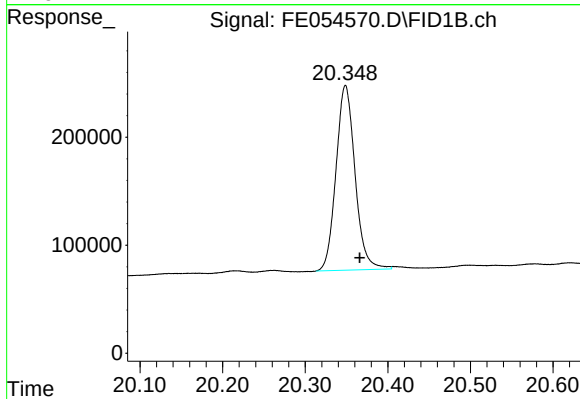
#18 n-Dotriacontane (C32)

R.T.: 18.823 min
Delta R.T.: -0.016 min
Response: 2972284
Conc: 23.66 ug/ml



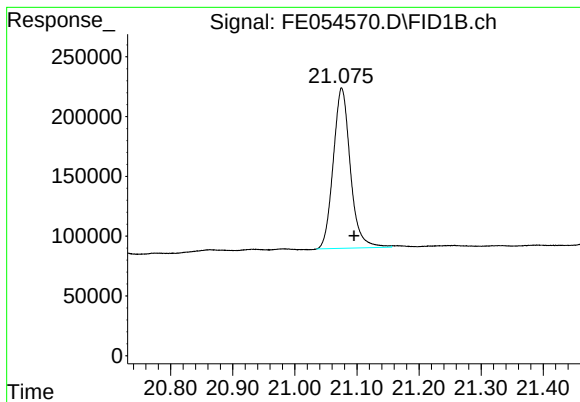
#19 n-Tetratriacontane (C34)

R.T.: 19.608 min
Delta R.T.: -0.017 min
Response: 2857027
Conc: 22.97 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.348 min
Delta R.T.: -0.018 min
Response: 2739892
Conc: 21.28 ug/ml m



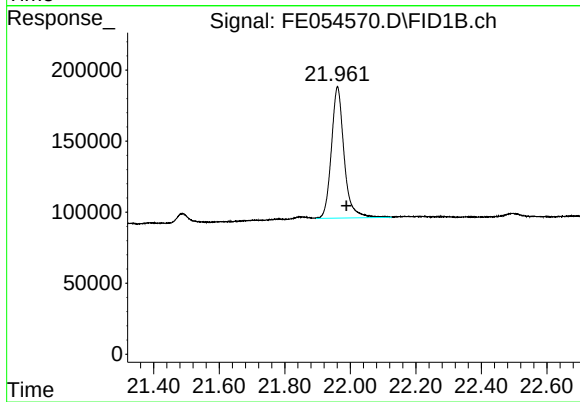
#21 n-Octatriacontane (C38)

R.T.: 21.075 min
Delta R.T.: -0.021 min
Response: 2561092
Conc: 19.40 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.961 min
Delta R.T.: -0.028 min
Response: 2494877
Conc: 18.52 ug/ml m