

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091025AL\
 Data File : FE055762.D
 Signal(s) : FID1B.ch
 Acq On : 11 Sep 2025 00:19
 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 09/11/2025
 Supervised By :mohammad ahmed 09/12/2025

Integration File: sample.E
 Quant Time: Sep 11 01:17:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 29 08:12:09 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)	12.074	2879481	17.527 ug/ml
Spiked Amount 50.000		Recovery =	35.05%
12) S 1-chlorooctadecane (S...	13.510	2172739	17.376 ug/ml
Spiked Amount 50.000		Recovery =	34.75%
Target Compounds			
1) T n-Nonane (C9)	3.413	2197676	17.318 ug/ml
2) T n-Decane (C10)	4.671	2316498	18.084 ug/ml
3) T A~Naphthalene (C11.7)	6.390	2578104	17.745 ug/ml
4) T n-Dodecane (C12)	6.846	2376120	18.248 ug/ml
5) T A~2-methylnaphthalene...	7.490	2504650	17.808 ug/ml
6) T n-Tetradecane (C14)	8.683	2403658	18.252 ug/ml
7) T n-Hexadecane (C16)	10.298	2532663	18.287 ug/ml
8) T n-Octadecane (C18)	11.747	2629127	18.025 ug/ml
10) T n-Eicosane (C20)	13.063	2544663	17.678 ug/ml
11) T n-Heneicosane (C21)	13.677	2494130	17.460 ug/ml
13) T n-Docosane (C22)	14.265	2479648	17.323 ug/ml
14) T n-Tetracosane (C24)	15.371	2514545	17.378 ug/ml
15) T n-Hexacosane (C26)	16.396	2449694	17.147 ug/ml
16) T n-Octacosane (C28)	17.348	2511679	17.658 ug/ml
17) T n-Tricontane (C30)	18.237	2777118	18.787 ug/ml
18) T n-Dotriacontane (C32)	19.071	2917748	19.879 ug/ml
19) T n-Tetratriacontane (C34)	19.856	2745640	19.433 ug/ml
20) T n-Hexatriacontane (C36)	20.597	2458848	18.634 ug/ml
21) T n-Octatriacontane (C38)	21.375	2296309	17.631 ug/mlm
22) T n-Tetracontane (C40)	22.358	2227063	17.366 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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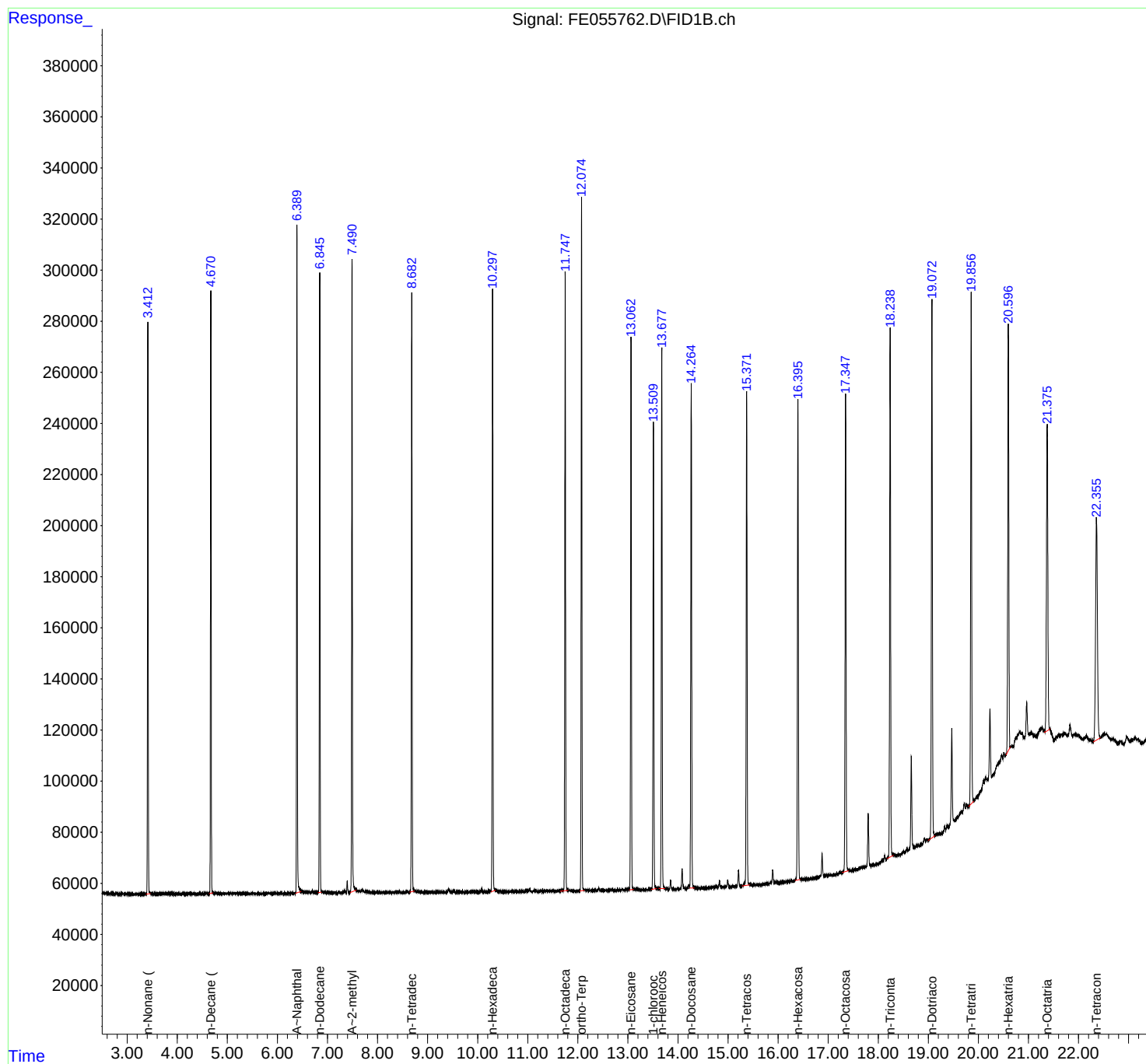
Instrument :
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20 PPM ALIPHATIC HC STD

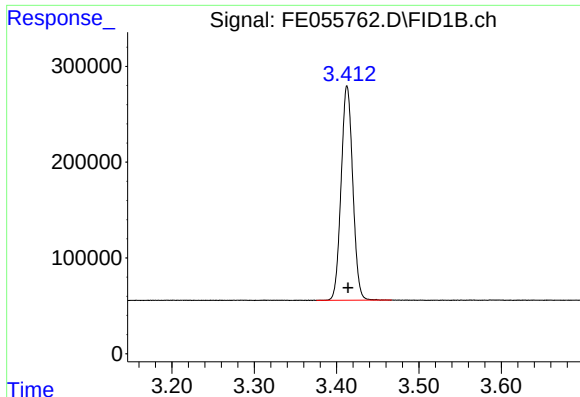
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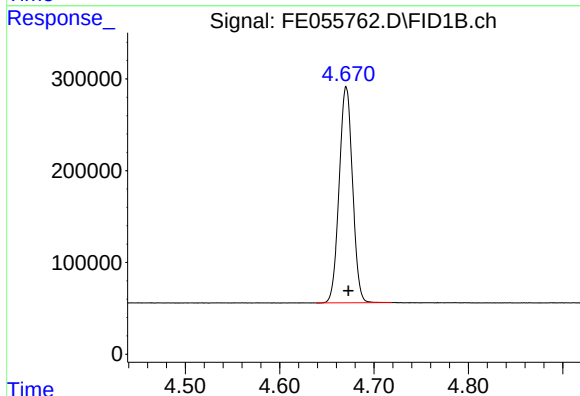
#1 n-Nonane (C9)

R.T.: 3.413 min
Delta R.T.: -0.001 min
Response: 2197676
Conc: 17.32 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

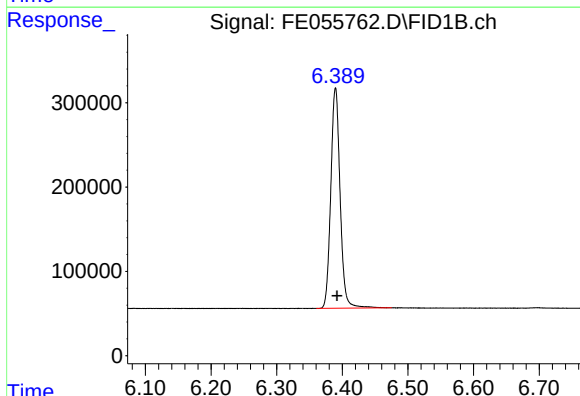
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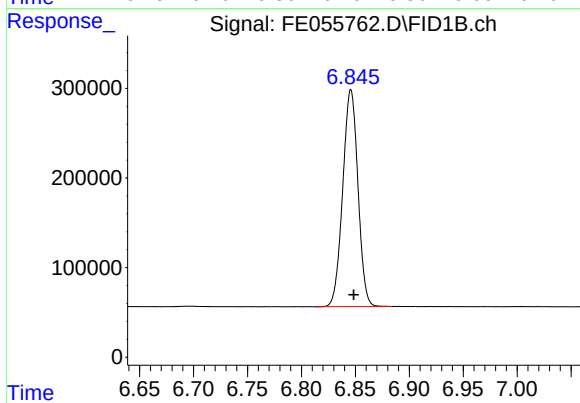
#2 n-Decane (C10)

R.T.: 4.671 min
Delta R.T.: -0.002 min
Response: 2316498
Conc: 18.08 ug/ml



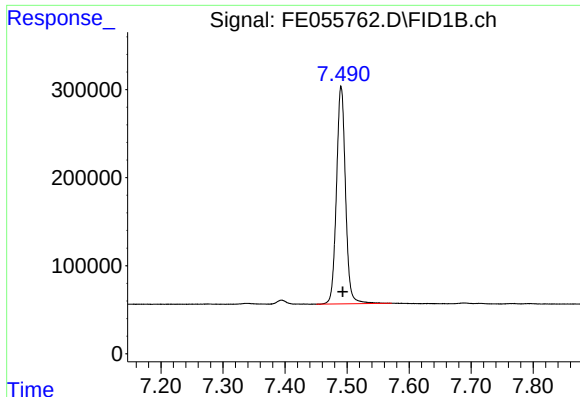
#3 A~Naphthalene (C11.7)

R.T.: 6.390 min
Delta R.T.: -0.002 min
Response: 2578104
Conc: 17.74 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.846 min
Delta R.T.: -0.003 min
Response: 2376120
Conc: 18.25 ug/ml



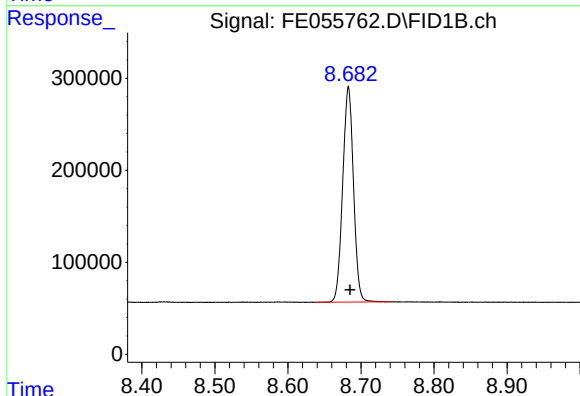
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.490 min
Delta R.T.: -0.003 min
Response: 2504650
Conc: 17.81 ug/ml

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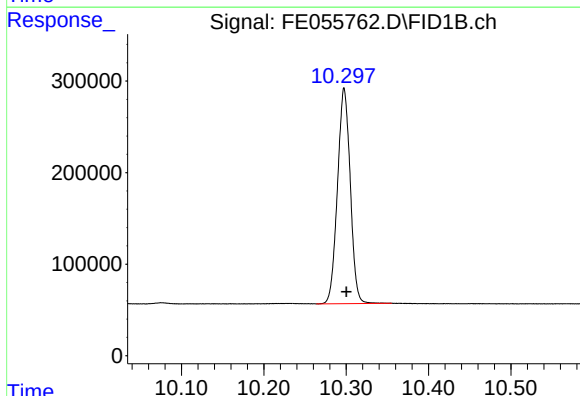
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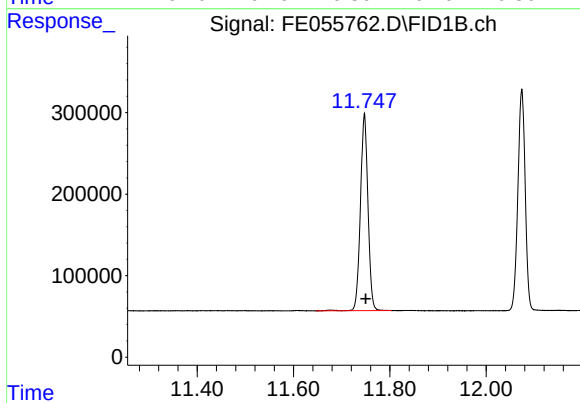
#6 n-Tetradecane (C14)

R.T.: 8.683 min
Delta R.T.: -0.002 min
Response: 2403658
Conc: 18.25 ug/ml



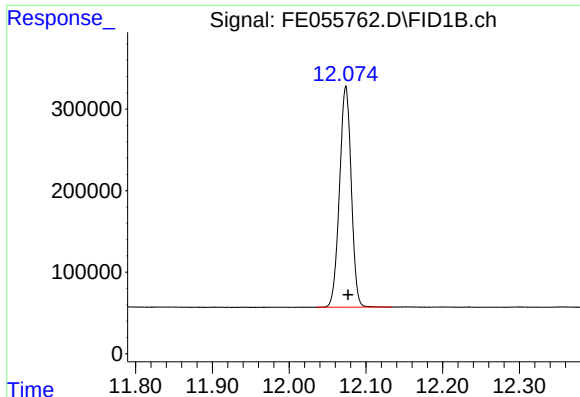
#7 n-Hexadecane (C16)

R.T.: 10.298 min
Delta R.T.: -0.003 min
Response: 2532663
Conc: 18.29 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.747 min
Delta R.T.: -0.003 min
Response: 2629127
Conc: 18.02 ug/ml



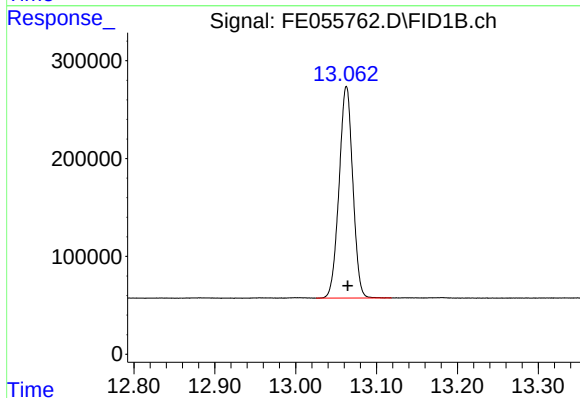
#9 ortho-Terphenyl (SURR)

R.T.: 12.074 min
Delta R.T.: -0.003 min
Response: 2879481
Conc: 17.53 ug/ml

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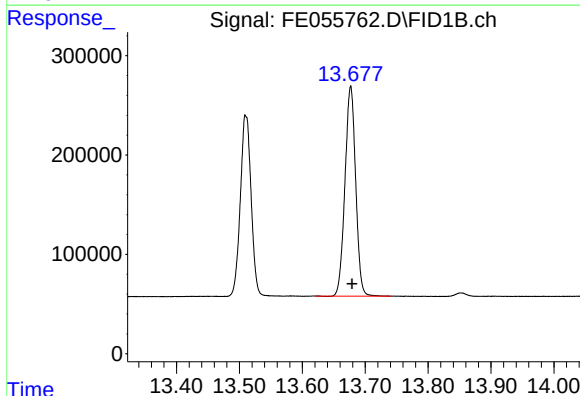
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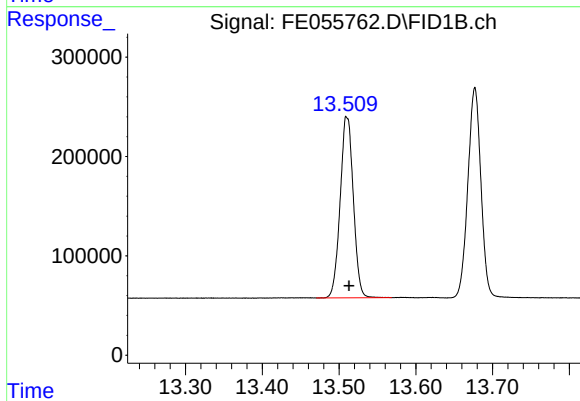
#10 n-Eicosane (C20)

R.T.: 13.063 min
Delta R.T.: -0.002 min
Response: 2544663
Conc: 17.68 ug/ml



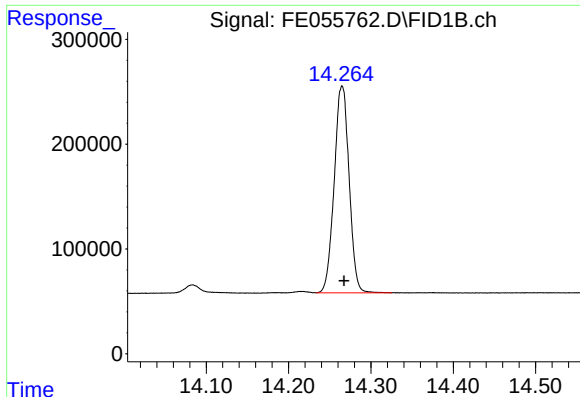
#11 n-Heneicosane (C21)

R.T.: 13.677 min
Delta R.T.: -0.002 min
Response: 2494130
Conc: 17.46 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.510 min
Delta R.T.: -0.002 min
Response: 2172739
Conc: 17.38 ug/ml



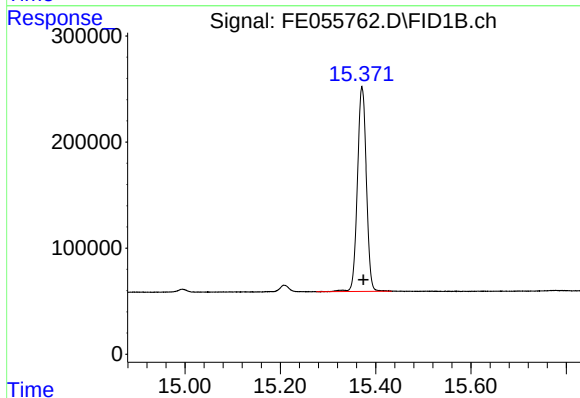
#13 n-Docosane (C22)

R.T.: 14.265 min
Delta R.T.: -0.002 min
Response: 2479648
Conc: 17.32 ug/ml

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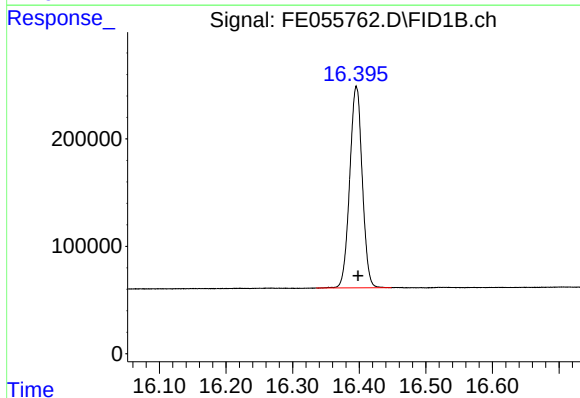
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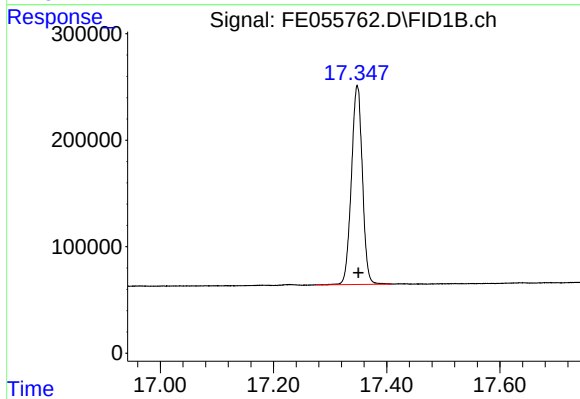
#14 n-Tetracosane (C24)

R.T.: 15.371 min
Delta R.T.: -0.003 min
Response: 2514545
Conc: 17.38 ug/ml



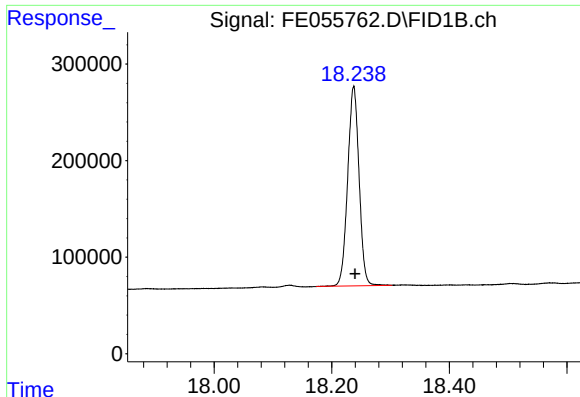
#15 n-Hexacosane (C26)

R.T.: 16.396 min
Delta R.T.: -0.003 min
Response: 2449694
Conc: 17.15 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.348 min
Delta R.T.: -0.002 min
Response: 2511679
Conc: 17.66 ug/ml



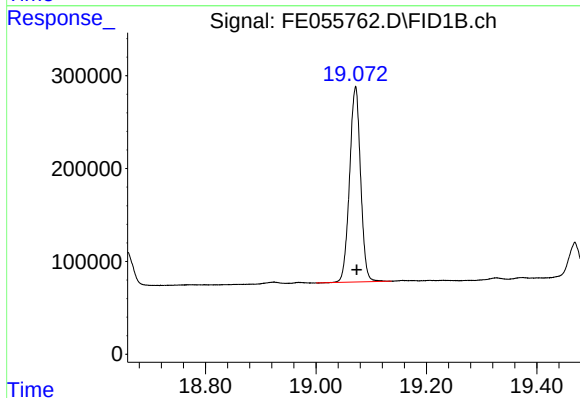
#17 n-Tricontane (C30)

R.T.: 18.237 min
Delta R.T.: -0.002 min
Response: 2777118
Conc: 18.79 ug/ml

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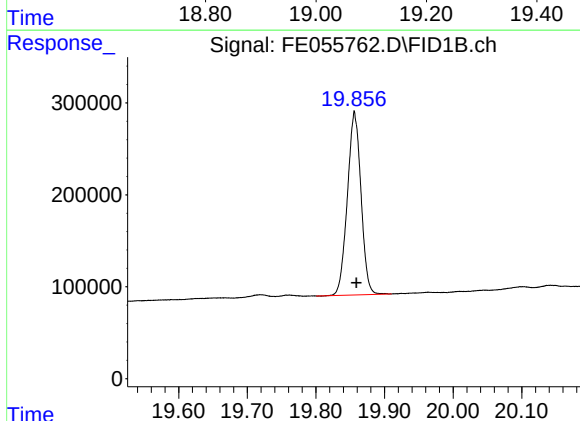
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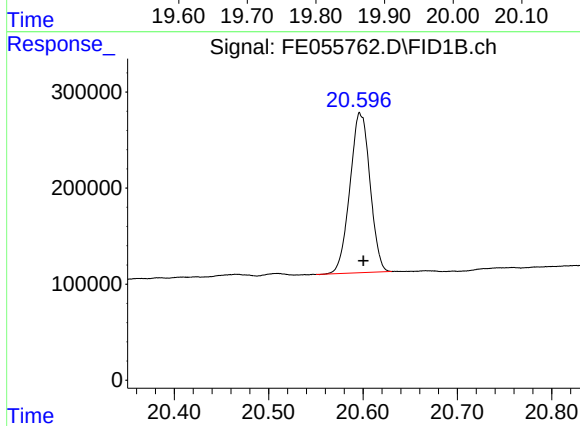
#18 n-Dotriacontane (C32)

R.T.: 19.071 min
Delta R.T.: -0.002 min
Response: 2917748
Conc: 19.88 ug/ml



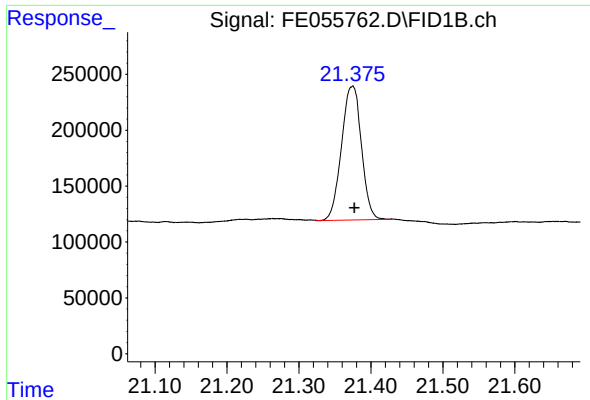
#19 n-Tetratriacontane (C34)

R.T.: 19.856 min
Delta R.T.: -0.003 min
Response: 2745640
Conc: 19.43 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.597 min
Delta R.T.: -0.003 min
Response: 2458848
Conc: 18.63 ug/ml



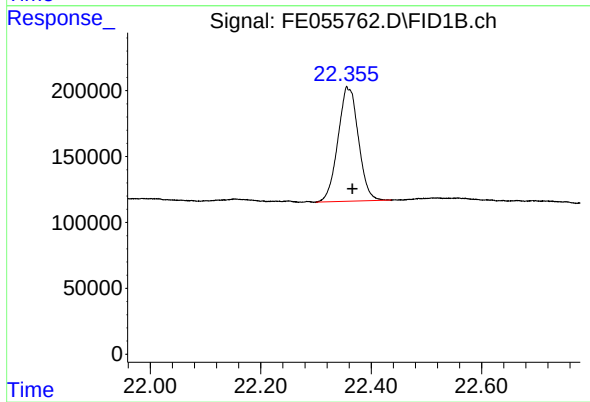
#21 n-Octatriacontane (C38)

R.T.: 21.375 min
Delta R.T.: -0.002 min
Response: 2296309
Conc: 17.63 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.358 min
Delta R.T.: -0.008 min
Response: 2227063
Conc: 17.37 ug/ml