

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092925AL\
 Data File : FE056059.D
 Signal(s) : FID1B.ch
 Acq On : 29 Sep 2025 22:59
 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 09/30/2025
 Supervised By :mohammad ahmed 10/01/2025

Integration File: autoint1.e
 Quant Time: Sep 30 00:51:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 24 12:55:37 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)	12.072	3783189	20.161 ug/ml
Spiked Amount 50.000		Recovery =	40.32%
12) S 1-chlorooctadecane (S...	13.509	2828662	20.268 ug/mlm
Spiked Amount 50.000		Recovery =	40.54%
Target Compounds			
1) T n-Nonane (C9)	3.415	2572800	18.781 ug/ml
2) T n-Decane (C10)	4.673	2683708	19.229 ug/ml
3) T A~Naphthalene (C11.7)	6.391	3231311	20.238 ug/ml
4) T n-Dodecane (C12)	6.846	2886591	20.112 ug/ml
5) T A~2-methylnaphthalene...	7.492	3198207	20.565 ug/ml
6) T n-Tetradecane (C14)	8.682	3075507	20.802 ug/ml
7) T n-Hexadecane (C16)	10.297	3344081	21.044 ug/ml
8) T n-Octadecane (C18)	11.746	3534237	20.865 ug/ml
10) T n-Eicosane (C20)	13.060	3383796	20.413 ug/ml
11) T n-Heneicosane (C21)	13.675	3257550	20.048 ug/ml
13) T n-Docosane (C22)	14.263	3155438	19.747 ug/ml
14) T n-Tetracosane (C24)	15.368	2939083	19.288 ug/ml
15) T n-Hexacosane (C26)	16.392	2709056	18.993 ug/ml
16) T n-Octacosane (C28)	17.345	2671287	19.176 ug/ml
17) T n-Tricontane (C30)	18.234	2878627	19.426 ug/ml
18) T n-Dotriacontane (C32)	19.068	3057418	20.492 ug/ml
19) T n-Tetratriacontane (C34)	19.853	2881015	20.368 ug/ml
20) T n-Hexatriacontane (C36)	20.595	2702037	21.049 ug/ml
21) T n-Octatriacontane (C38)	21.370	2698266	20.544 ug/ml
22) T n-Tetracontane (C40)	22.353	2574791	21.643 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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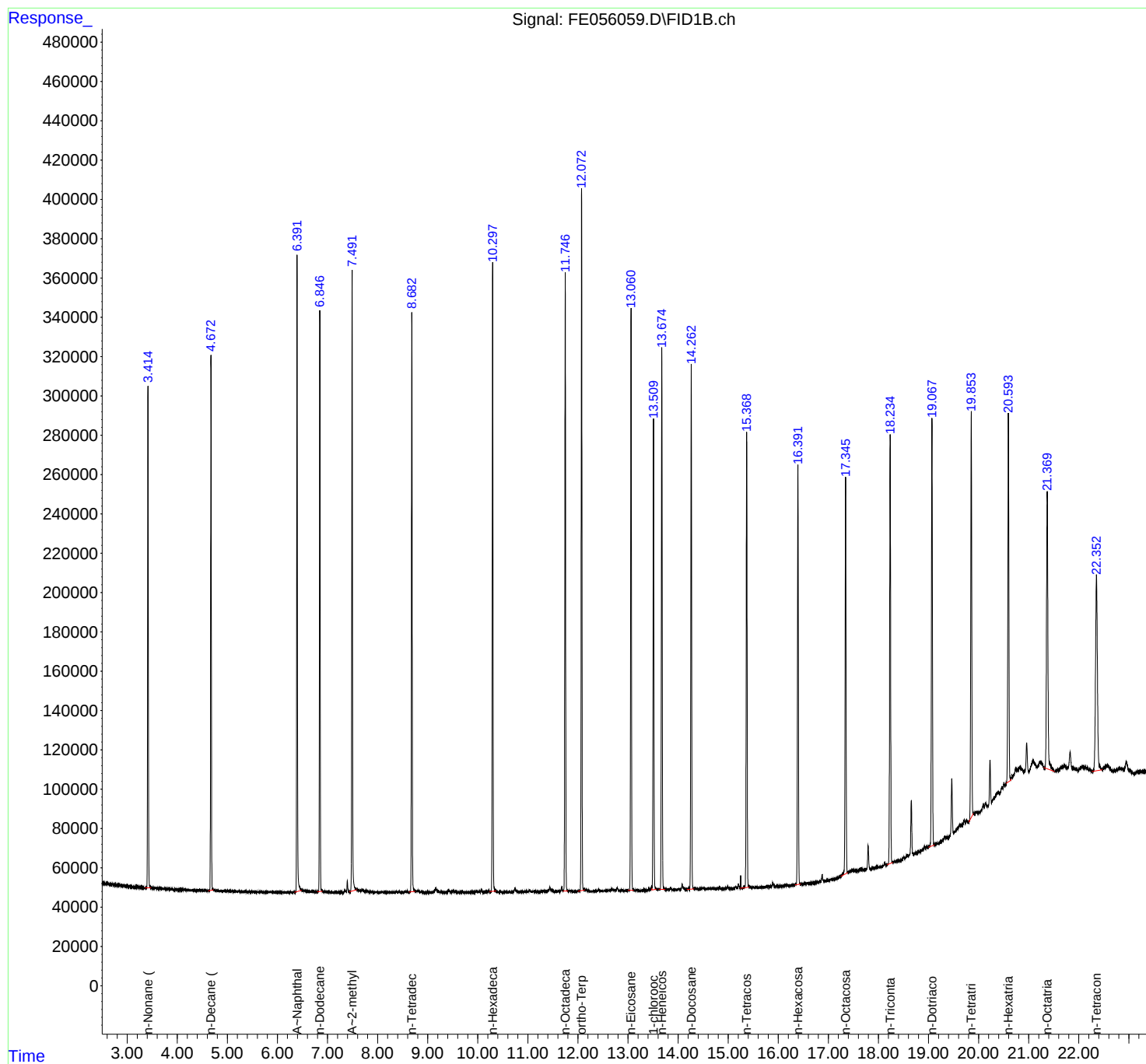
Instrument :
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20 PPM ALIPHATIC HC STD

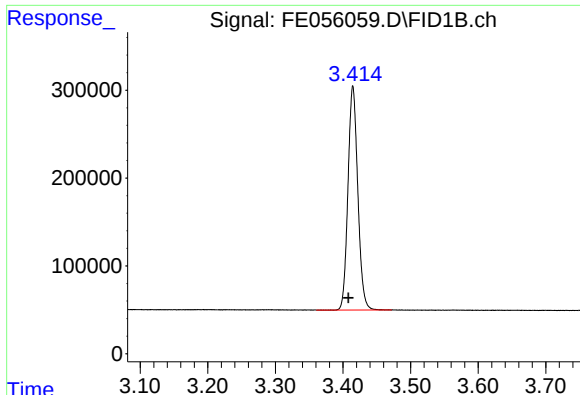
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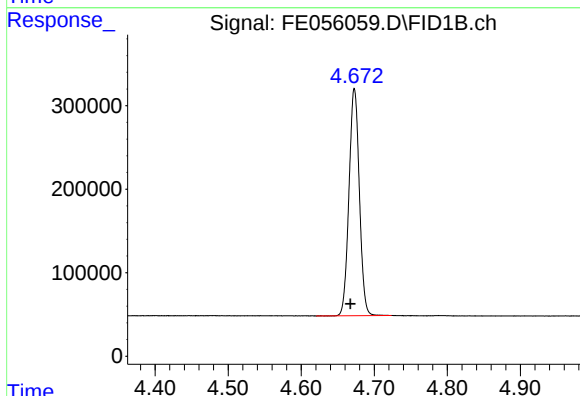
#1 n-Nonane (C9)

R.T.: 3.415 min
Delta R.T.: 0.007 min
Response: 2572800
Conc: 18.78 ug/ml

Instrument :
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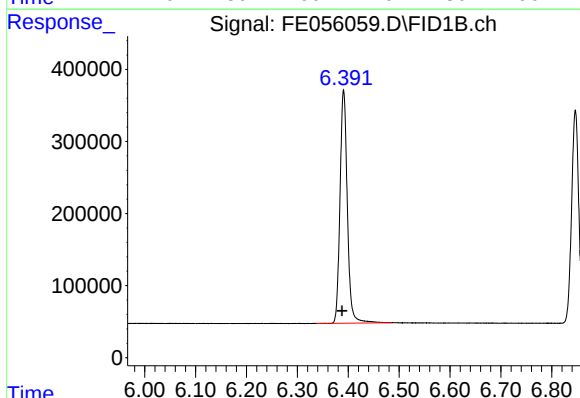
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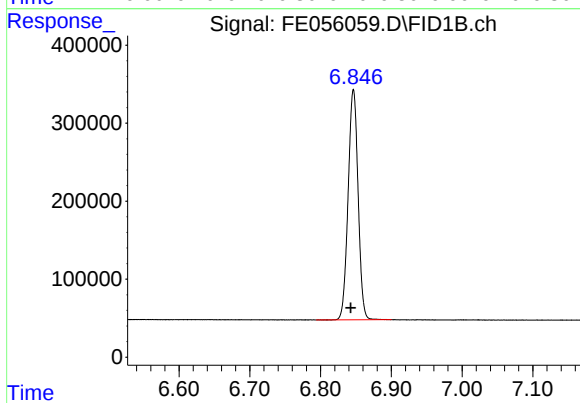
#2 n-Decane (C10)

R.T.: 4.673 min
Delta R.T.: 0.005 min
Response: 2683708
Conc: 19.23 ug/ml



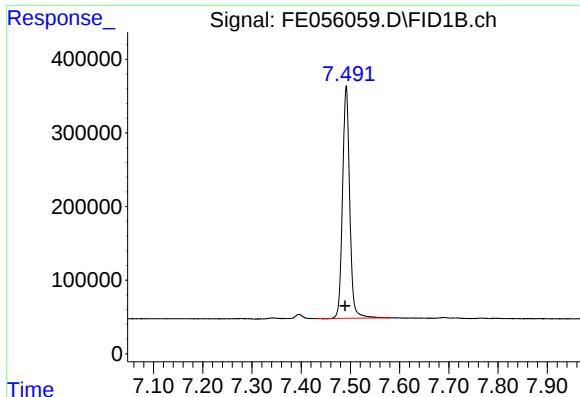
#3 A~Naphthalene (C11.7)

R.T.: 6.391 min
Delta R.T.: 0.003 min
Response: 3231311
Conc: 20.24 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.846 min
Delta R.T.: 0.004 min
Response: 2886591
Conc: 20.11 ug/ml



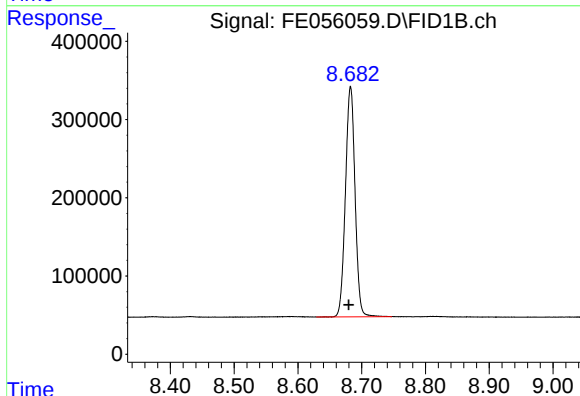
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.492 min
Delta R.T.: 0.003 min
Response: 3198207
Conc: 20.56 ug/ml

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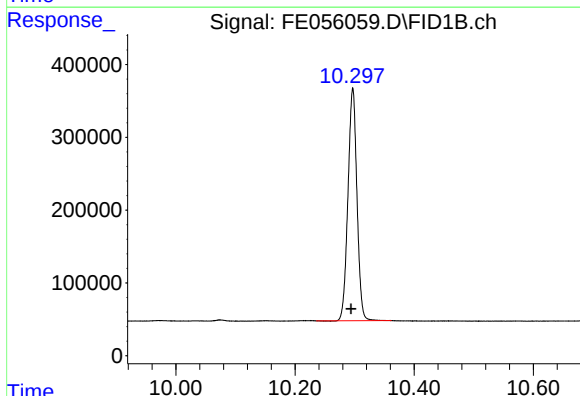
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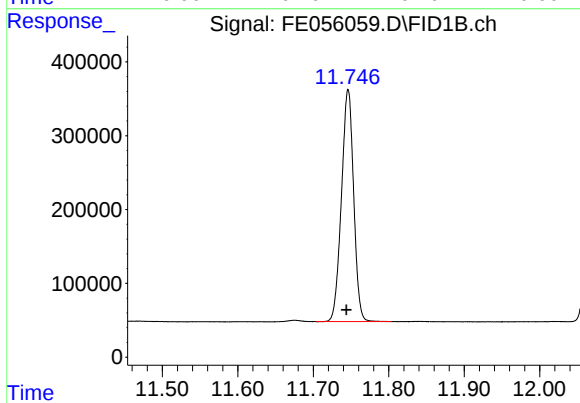
#6 n-Tetradecane (C14)

R.T.: 8.682 min
Delta R.T.: 0.003 min
Response: 3075507
Conc: 20.80 ug/ml



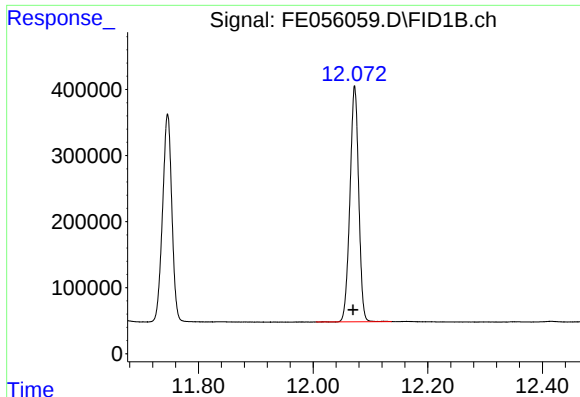
#7 n-Hexadecane (C16)

R.T.: 10.297 min
Delta R.T.: 0.003 min
Response: 3344081
Conc: 21.04 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.746 min
Delta R.T.: 0.002 min
Response: 3534237
Conc: 20.87 ug/ml



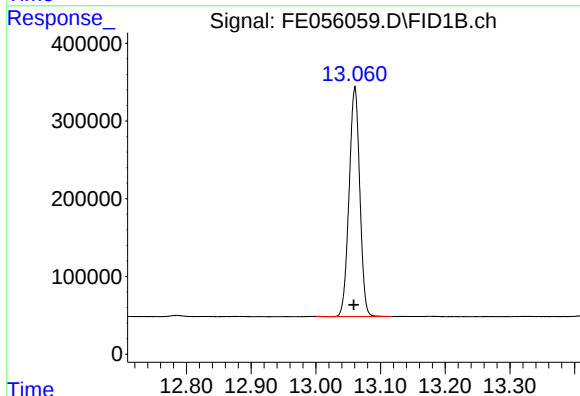
#9 ortho-Terphenyl (SURR)

R.T.: 12.072 min
Delta R.T.: 0.003 min
Response: 3783189
Conc: 20.16 ug/ml

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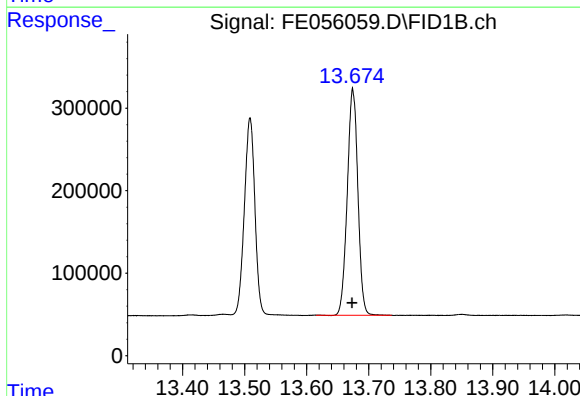
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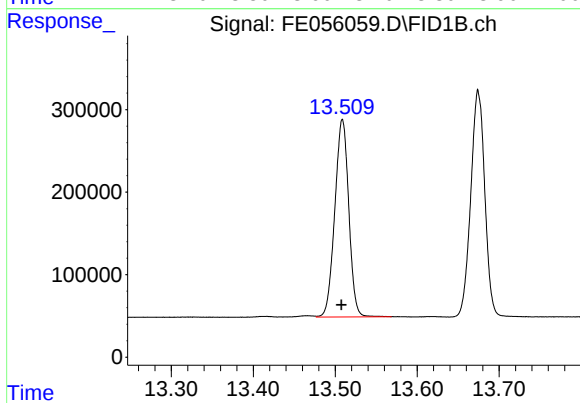
#10 n-Eicosane (C20)

R.T.: 13.060 min
Delta R.T.: 0.001 min
Response: 3383796
Conc: 20.41 ug/ml



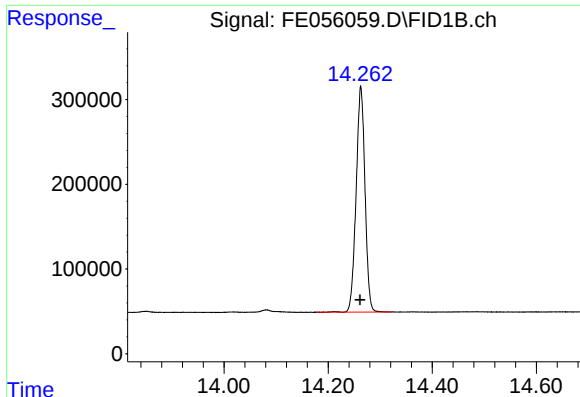
#11 n-Heneicosane (C21)

R.T.: 13.675 min
Delta R.T.: 0.001 min
Response: 3257550
Conc: 20.05 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.509 min
Delta R.T.: 0.001 min
Response: 2828662
Conc: 20.27 ug/ml m



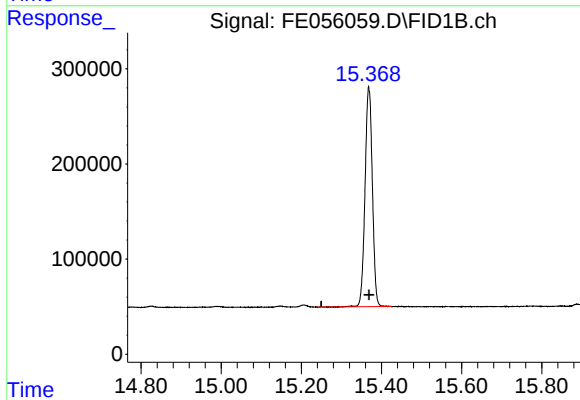
#13 n-Docosane (C22)

R.T.: 14.263 min
Delta R.T.: 0.001 min
Response: 3155438
Conc: 19.75 ug/ml

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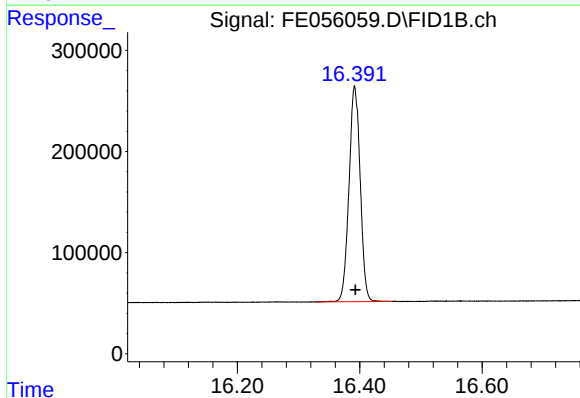
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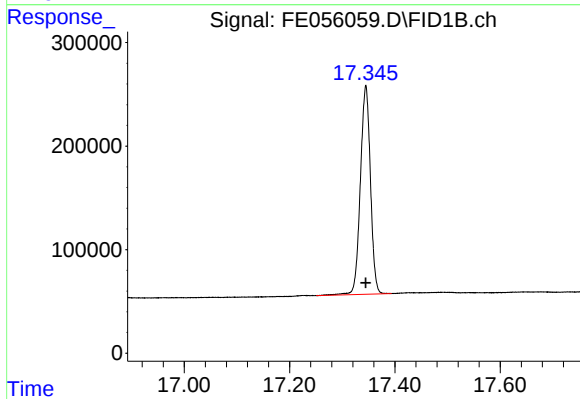
#14 n-Tetracosane (C24)

R.T.: 15.368 min
Delta R.T.: 0.000 min
Response: 2939083
Conc: 19.29 ug/ml



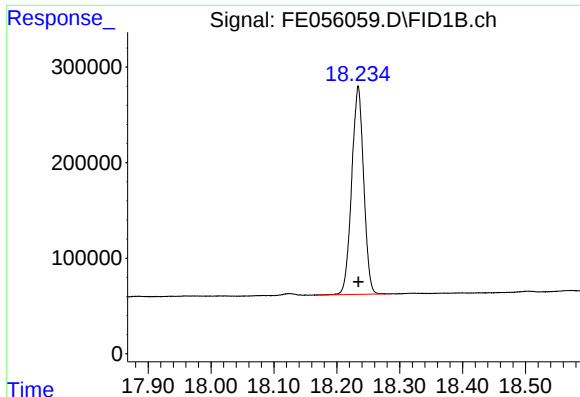
#15 n-Hexacosane (C26)

R.T.: 16.392 min
Delta R.T.: 0.000 min
Response: 2709056
Conc: 18.99 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.345 min
Delta R.T.: 0.000 min
Response: 2671287
Conc: 19.18 ug/ml



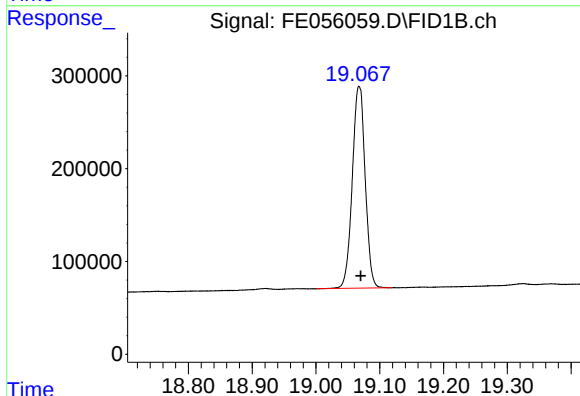
#17 n-Tricontane (C30)

R.T.: 18.234 min
Delta R.T.: 0.000 min
Response: 2878627
Conc: 19.43 ug/ml

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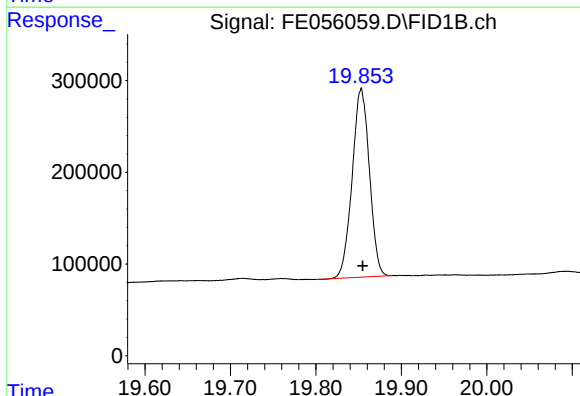
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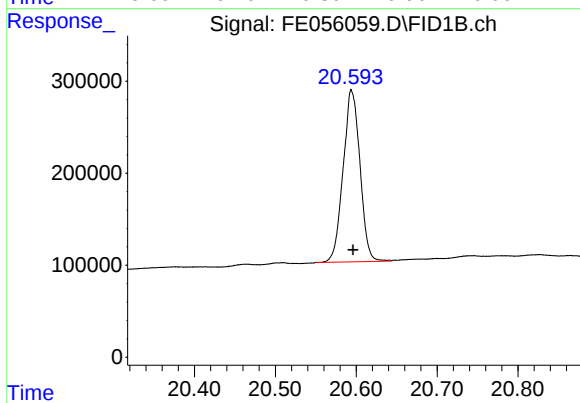
#18 n-Dotriacontane (C32)

R.T.: 19.068 min
Delta R.T.: -0.003 min
Response: 3057418
Conc: 20.49 ug/ml



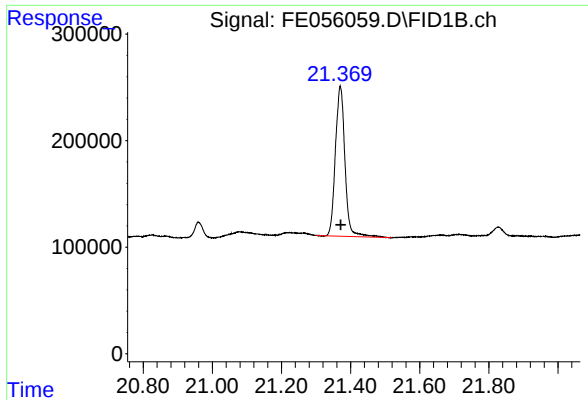
#19 n-Tetratriacontane (C34)

R.T.: 19.853 min
Delta R.T.: -0.002 min
Response: 2881015
Conc: 20.37 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.595 min
Delta R.T.: -0.001 min
Response: 2702037
Conc: 21.05 ug/ml



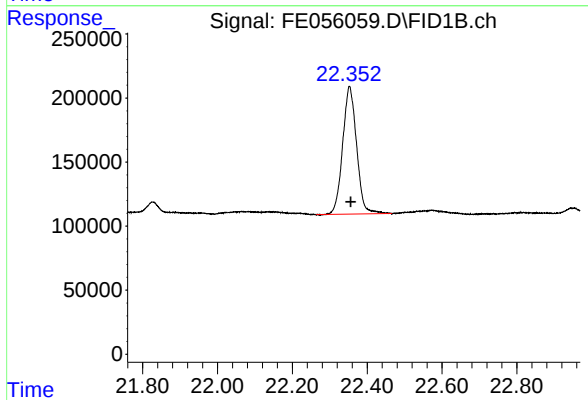
#21 n-Octatriacontane (C38)

R.T.: 21.370 min
Delta R.T.: -0.001 min
Response: 2698266
Conc: 20.54 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.353 min
Delta R.T.: -0.004 min
Response: 2574791
Conc: 21.64 ug/ml