

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE102725AL\
 Data File : FE056529.D
 Signal(s) : FID1B.ch
 Acq On : 28 Oct 2025 00:21
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/28/2025
 Supervised By :mohammad ahmed 10/29/2025

Integration File: autoint1.e
 Quant Time: Oct 28 02:01:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 24 08:17:58 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)	11.985	3903935	19.110 ug/ml
Spiked Amount 50.000		Recovery =	38.22%
12) S 1-chlorooctadecane (S...	13.424	2921971	19.150 ug/ml
Spiked Amount 50.000		Recovery =	38.30%
Target Compounds			
1) T n-Nonane (C9)	3.340	3105102	19.050 ug/ml
2) T n-Decane (C10)	4.593	3439749	20.916 ug/ml
3) T A~Naphthalene (C11.7)	6.306	3580707	20.255 ug/ml
4) T n-Dodecane (C12)	6.766	3534507	21.066 ug/ml
5) T A~2-methylnaphthalene...	7.406	3442304	20.659 ug/ml
6) T n-Tetradecane (C14)	8.601	3469067	20.881 ug/ml
7) T n-Hexadecane (C16)	10.214	3557937	20.336 ug/ml
8) T n-Octadecane (C18)	11.663	3600480	19.738 ug/ml
10) T n-Eicosane (C20)	12.977	3433026	19.281 ug/ml
11) T n-Heneicosane (C21)	13.591	3356063	19.128 ug/ml
13) T n-Docosane (C22)	14.179	3356943	18.964 ug/ml
14) T n-Tetracosane (C24)	15.285	3330168	18.304 ug/ml
15) T n-Hexacosane (C26)	16.308	3255388	18.135 ug/ml
16) T n-Octacosane (C28)	17.260	3239345	18.209 ug/ml
17) T n-Tricontane (C30)	18.150	3406277	18.761 ug/ml
18) T n-Dotriacontane (C32)	18.984	3380107	19.173 ug/mlm
19) T n-Tetratriacontane (C34)	19.770	3083962	19.922 ug/mlm
20) T n-Hexatriacontane (C36)	20.511	2636033	21.099 ug/mlm
21) T n-Octatriacontane (C38)	21.267	2401793	22.988 ug/ml
22) T n-Tetracontane (C40)	22.214f	2284670	25.177 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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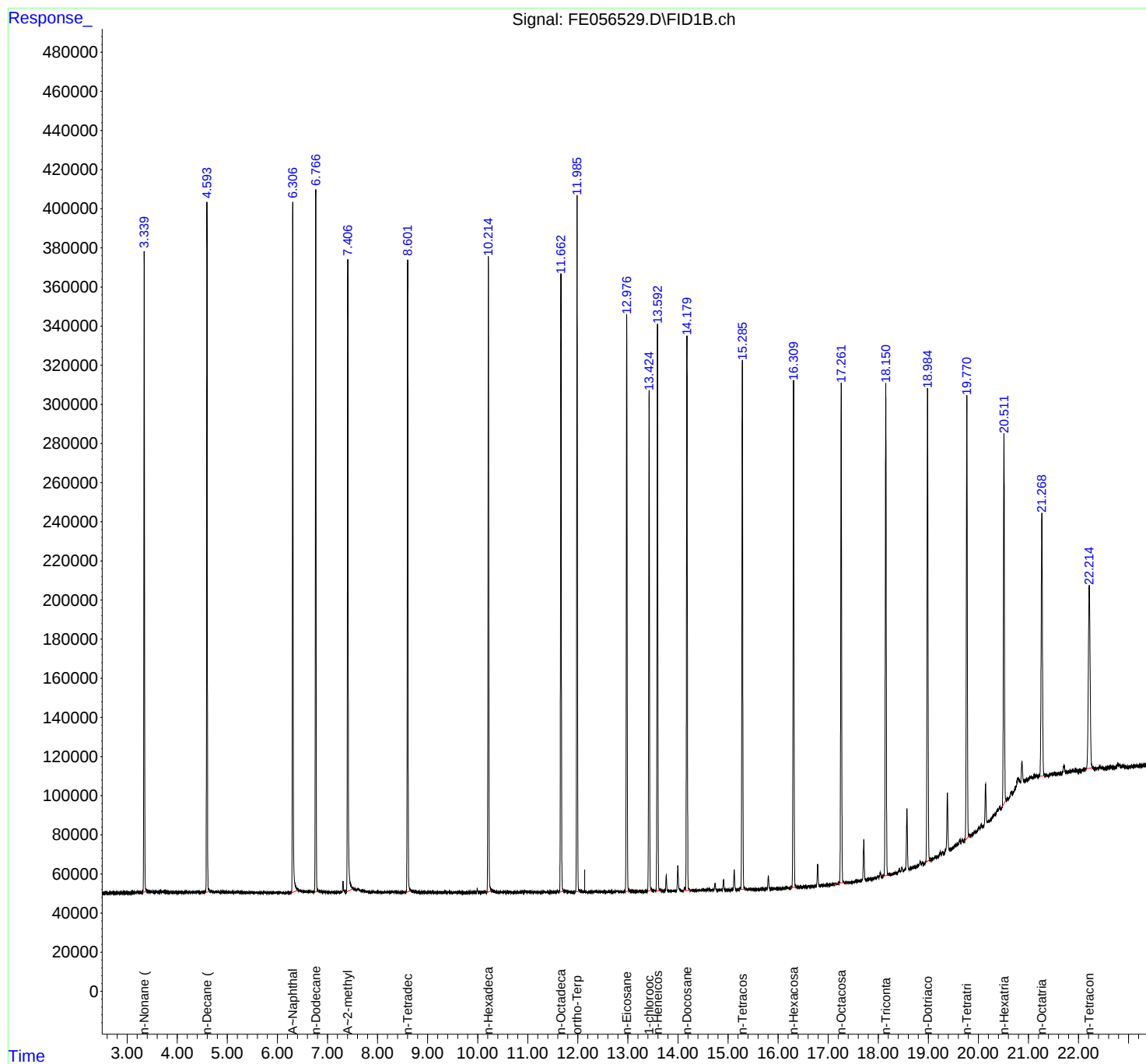
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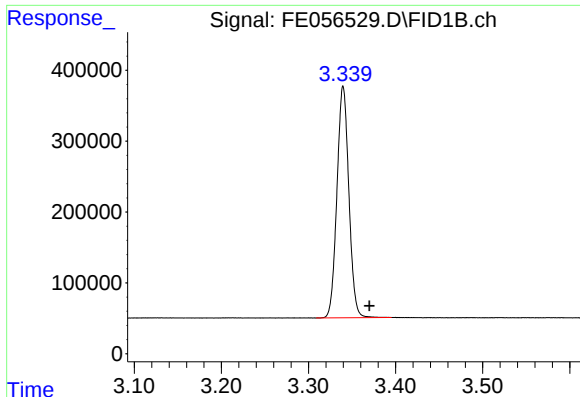
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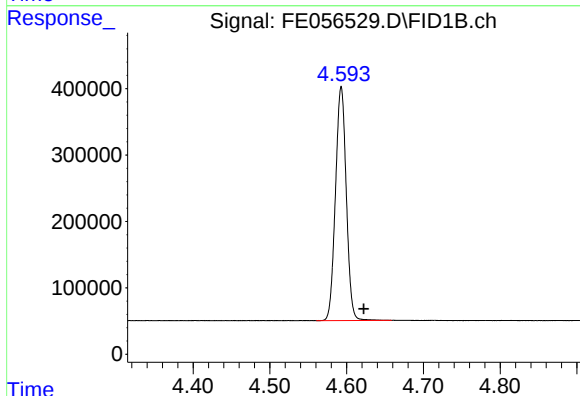
#1 n-Nonane (C9)

R.T.: 3.340 min
Delta R.T.: -0.030 min
Response: 3105102
Conc: 19.05 ug/ml

Instrument :
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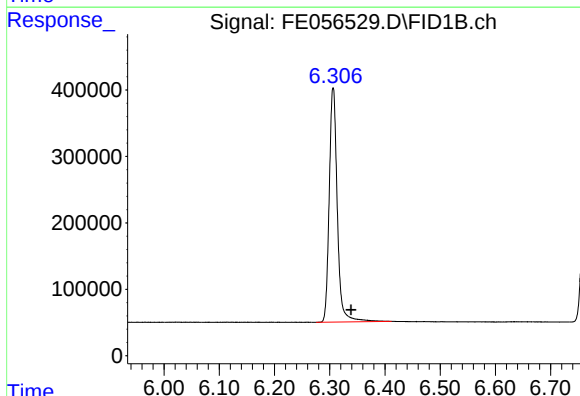
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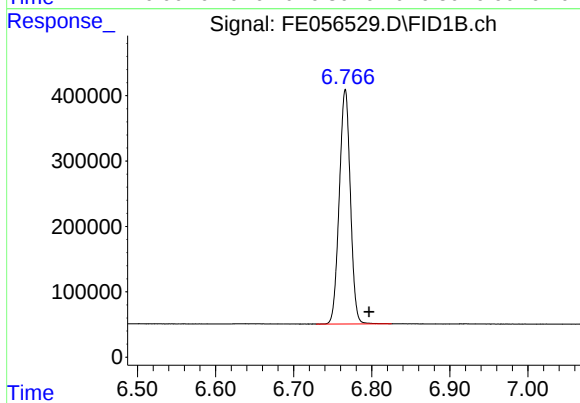
#2 n-Decane (C10)

R.T.: 4.593 min
Delta R.T.: -0.030 min
Response: 3439749
Conc: 20.92 ug/ml



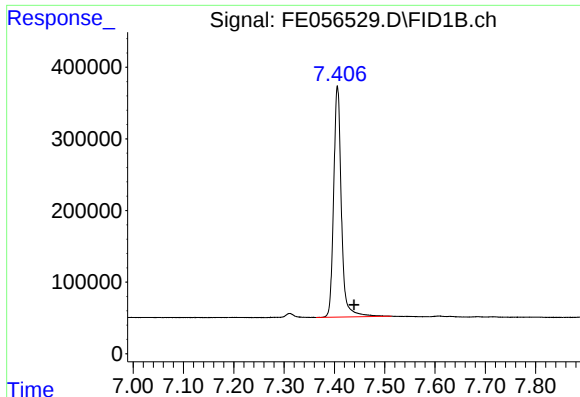
#3 A~Naphthalene (C11.7)

R.T.: 6.306 min
Delta R.T.: -0.032 min
Response: 3580707
Conc: 20.26 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.766 min
Delta R.T.: -0.031 min
Response: 3534507
Conc: 21.07 ug/ml



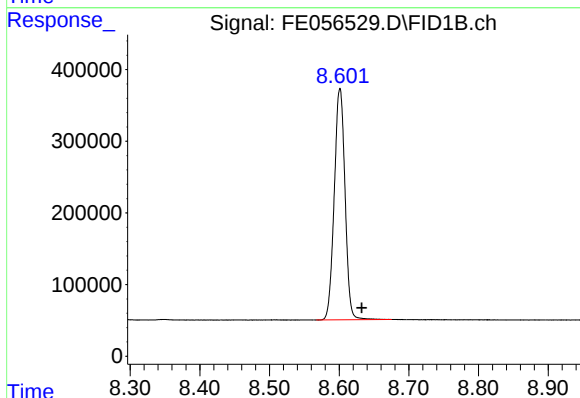
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.406 min
Delta R.T.: -0.033 min
Response: 3442304
Conc: 20.66 ug/ml

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20 PPM ALIPHATIC HC STD

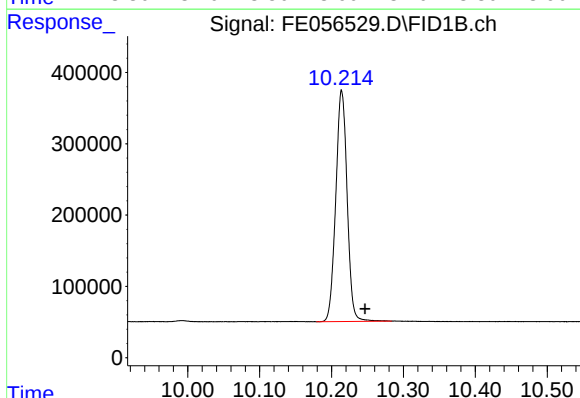
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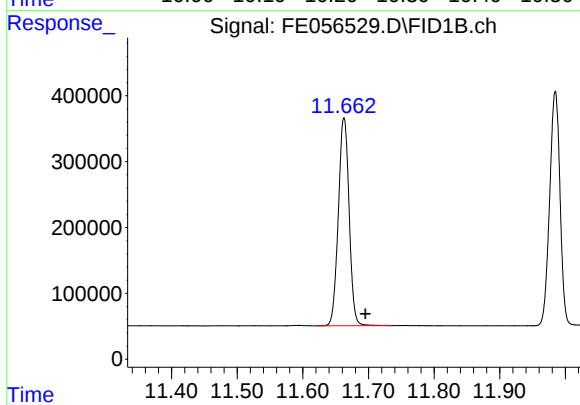
#6 n-Tetradecane (C14)

R.T.: 8.601 min
Delta R.T.: -0.031 min
Response: 3469067
Conc: 20.88 ug/ml



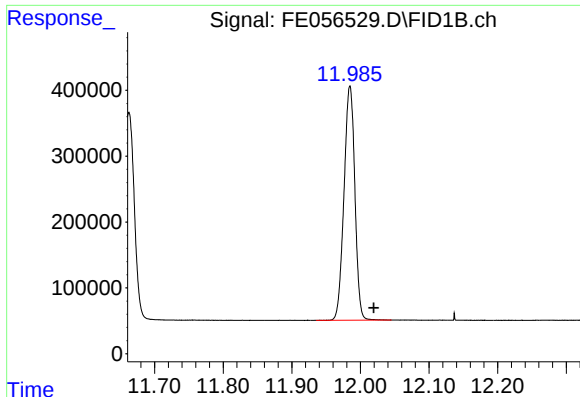
#7 n-Hexadecane (C16)

R.T.: 10.214 min
Delta R.T.: -0.032 min
Response: 3557937
Conc: 20.34 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.663 min
Delta R.T.: -0.033 min
Response: 3600480
Conc: 19.74 ug/ml



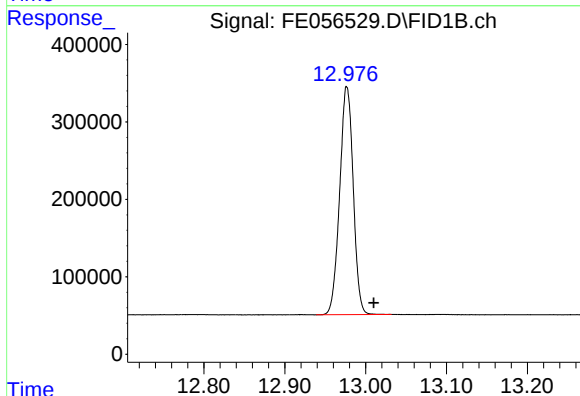
#9 ortho-Terphenyl (SURR)

R.T.: 11.985 min
Delta R.T.: -0.035 min
Response: 3903935
Conc: 19.11 ug/ml

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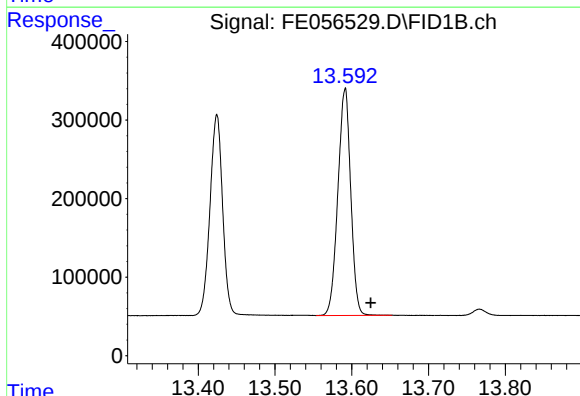
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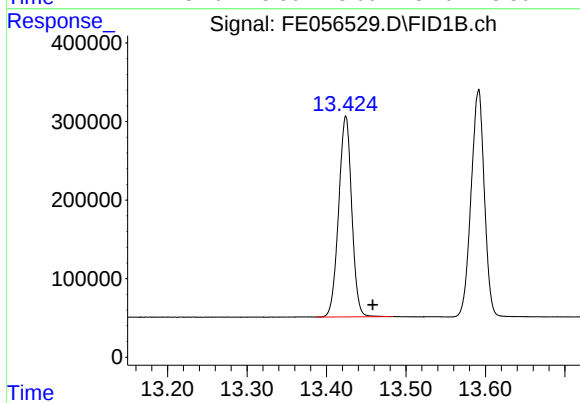
#10 n-Eicosane (C20)

R.T.: 12.977 min
Delta R.T.: -0.033 min
Response: 3433026
Conc: 19.28 ug/ml



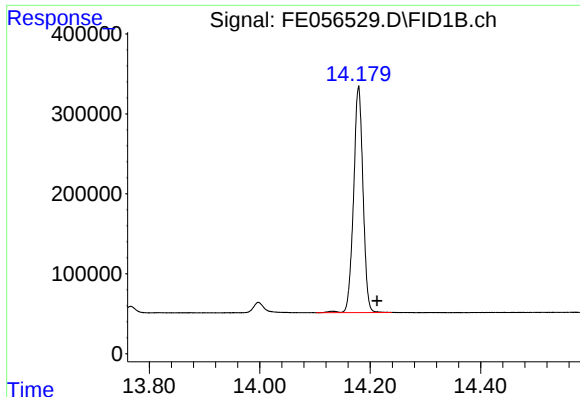
#11 n-Heneicosane (C21)

R.T.: 13.591 min
Delta R.T.: -0.034 min
Response: 3356063
Conc: 19.13 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.424 min
Delta R.T.: -0.034 min
Response: 2921971
Conc: 19.15 ug/ml



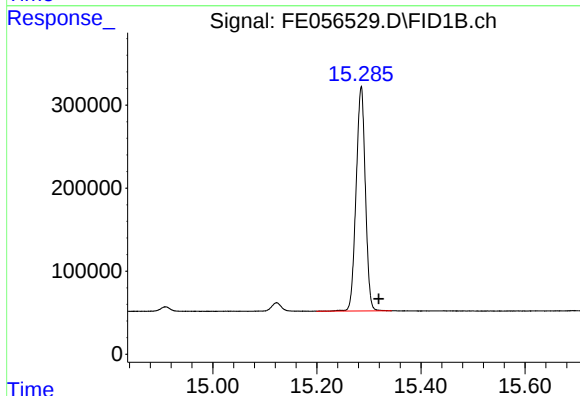
#13 n-Docosane (C22)

R.T.: 14.179 min
Delta R.T.: -0.033 min
Response: 3356943
Conc: 18.96 ug/ml

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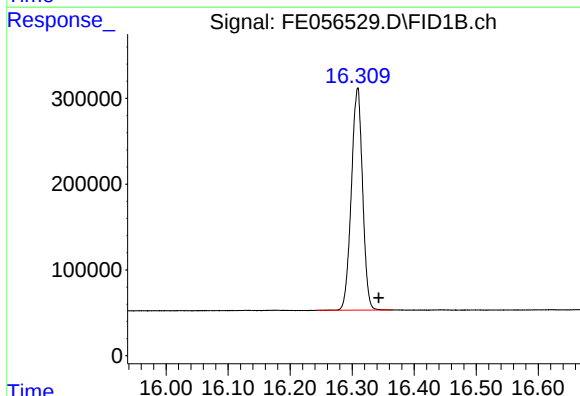
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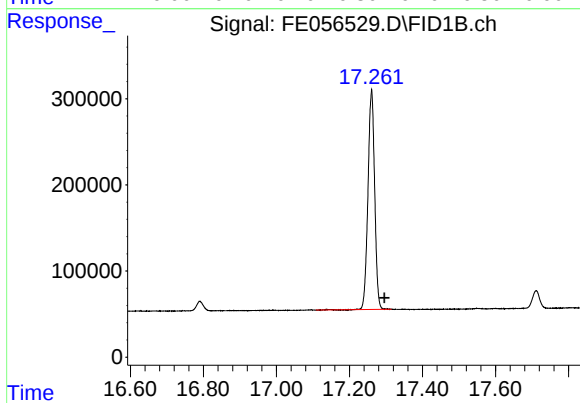
#14 n-Tetracosane (C24)

R.T.: 15.285 min
Delta R.T.: -0.034 min
Response: 3330168
Conc: 18.30 ug/ml



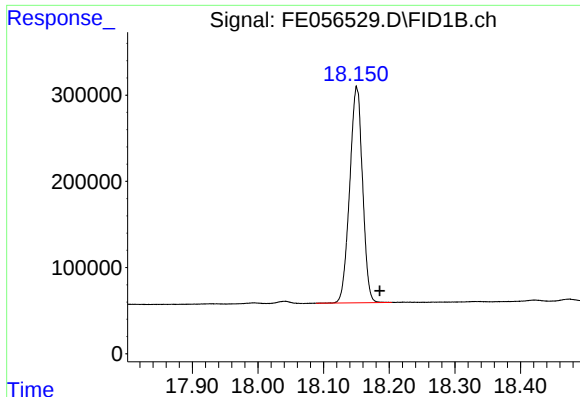
#15 n-Hexacosane (C26)

R.T.: 16.308 min
Delta R.T.: -0.034 min
Response: 3255388
Conc: 18.14 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.260 min
Delta R.T.: -0.035 min
Response: 3239345
Conc: 18.21 ug/ml



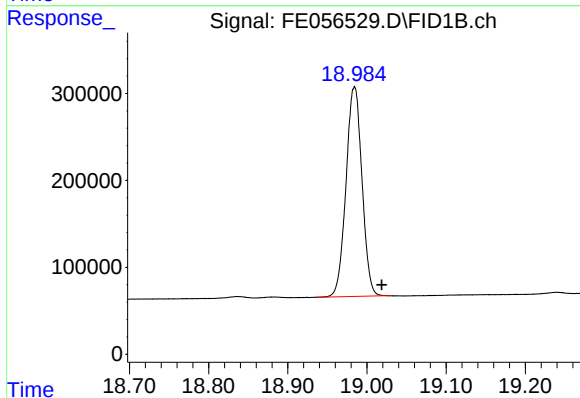
#17 n-Tricontane (C30)

R.T.: 18.150 min
Delta R.T.: -0.035 min
Response: 3406277
Conc: 18.76 ug/ml

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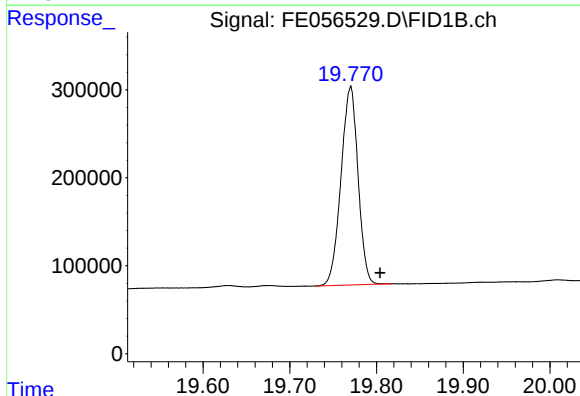
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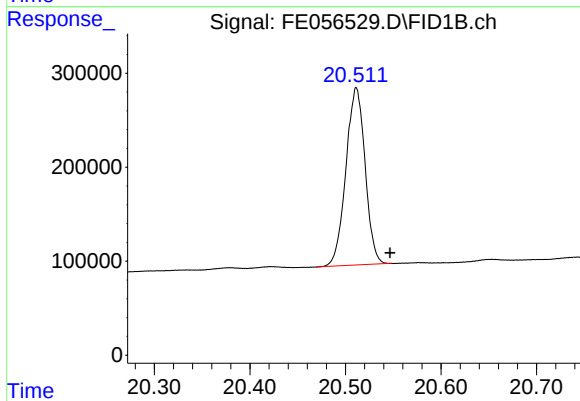
#18 n-Dotriacontane (C32)

R.T.: 18.984 min
Delta R.T.: -0.035 min
Response: 3380107
Conc: 19.17 ug/ml m



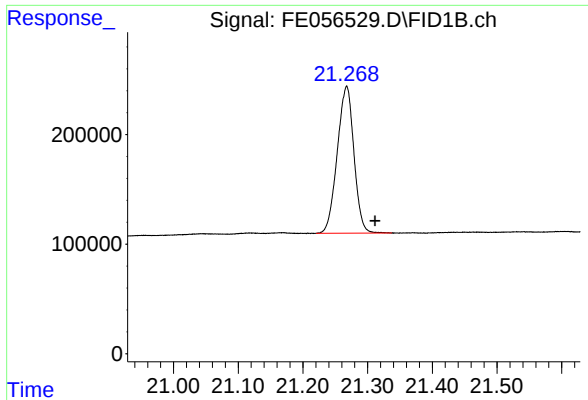
#19 n-Tetratriacontane (C34)

R.T.: 19.770 min
Delta R.T.: -0.034 min
Response: 3083962
Conc: 19.92 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.511 min
Delta R.T.: -0.036 min
Response: 2636033
Conc: 21.10 ug/ml m



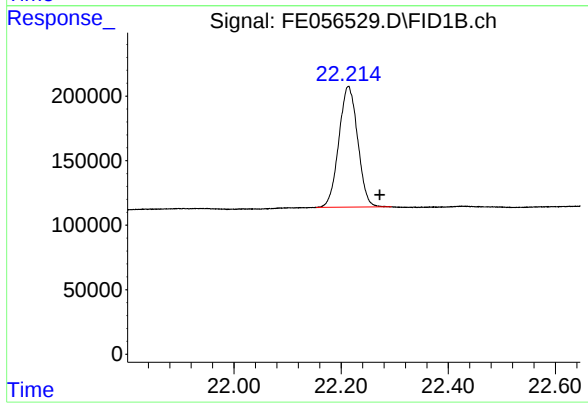
#21 n-Octatriacontane (C38)

R.T.: 21.267 min
Delta R.T.: -0.044 min
Response: 2401793
Conc: 22.99 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.214 min
Delta R.T.: -0.058 min
Response: 2284670
Conc: 25.18 ug/ml m