

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070125AL\
 Data File : FE054663.D
 Signal(s) : FID1B.ch
 Acq On : 01 Jul 2025 18:15
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/02/2025
 Supervised By :mohammad ahmed 07/02/2025

Integration File: autoint1.e
 Quant Time: Jul 02 02:23:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 Qlast Update : Fri Jun 27 15:19:13 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)	12.075	3236262	19.928 ug/ml
Spiked Amount 50.000		Recovery =	39.86%
12) S 1-chlorooctadecane (S...	13.510	2478305	19.623 ug/ml
Spiked Amount 50.000		Recovery =	39.25%
Target Compounds			
1) T n-Nonane (C9)	3.420	2756809	20.495 ug/ml
2) T n-Decane (C10)	4.676	2849835	20.886 ug/ml
3) T A~Naphthalene (C11.7)	6.391	3166218	20.911 ug/ml
4) T n-Dodecane (C12)	6.850	2903037	21.158 ug/ml
5) T A~2-methylnaphthalene...	7.491	3085732	20.991 ug/ml
6) T n-Tetradecane (C14)	8.686	2932153	21.151 ug/ml
7) T n-Hexadecane (C16)	10.301	2986714	20.958 ug/ml
8) T n-Octadecane (C18)	11.749	3003123	20.491 ug/ml
10) T n-Eicosane (C20)	13.064	2891904	20.111 ug/ml
11) T n-Heneicosane (C21)	13.678	2798771	19.595 ug/ml
13) T n-Docosane (C22)	14.266	2883761	20.196 ug/ml
14) T n-Tetracosane (C24)	15.372	3012319	20.722 ug/ml
15) T n-Hexacosane (C26)	16.395	3079315	21.278 ug/ml
16) T n-Octacosane (C28)	17.347	3128861	21.469 ug/ml
17) T n-Tricontane (C30)	18.236	3203560	20.329 ug/ml
18) T n-Dotriacontane (C32)	19.070	3050972	18.858 ug/ml
19) T n-Tetratriacontane (C34)	19.854	2862575	18.784 ug/ml
20) T n-Hexatriacontane (C36)	20.596	2517804	18.726 ug/ml
21) T n-Octatriacontane (C38)	21.371	2644736	22.550 ug/mlm
22) T n-Tetracontane (C40)	22.360	2309110	21.305 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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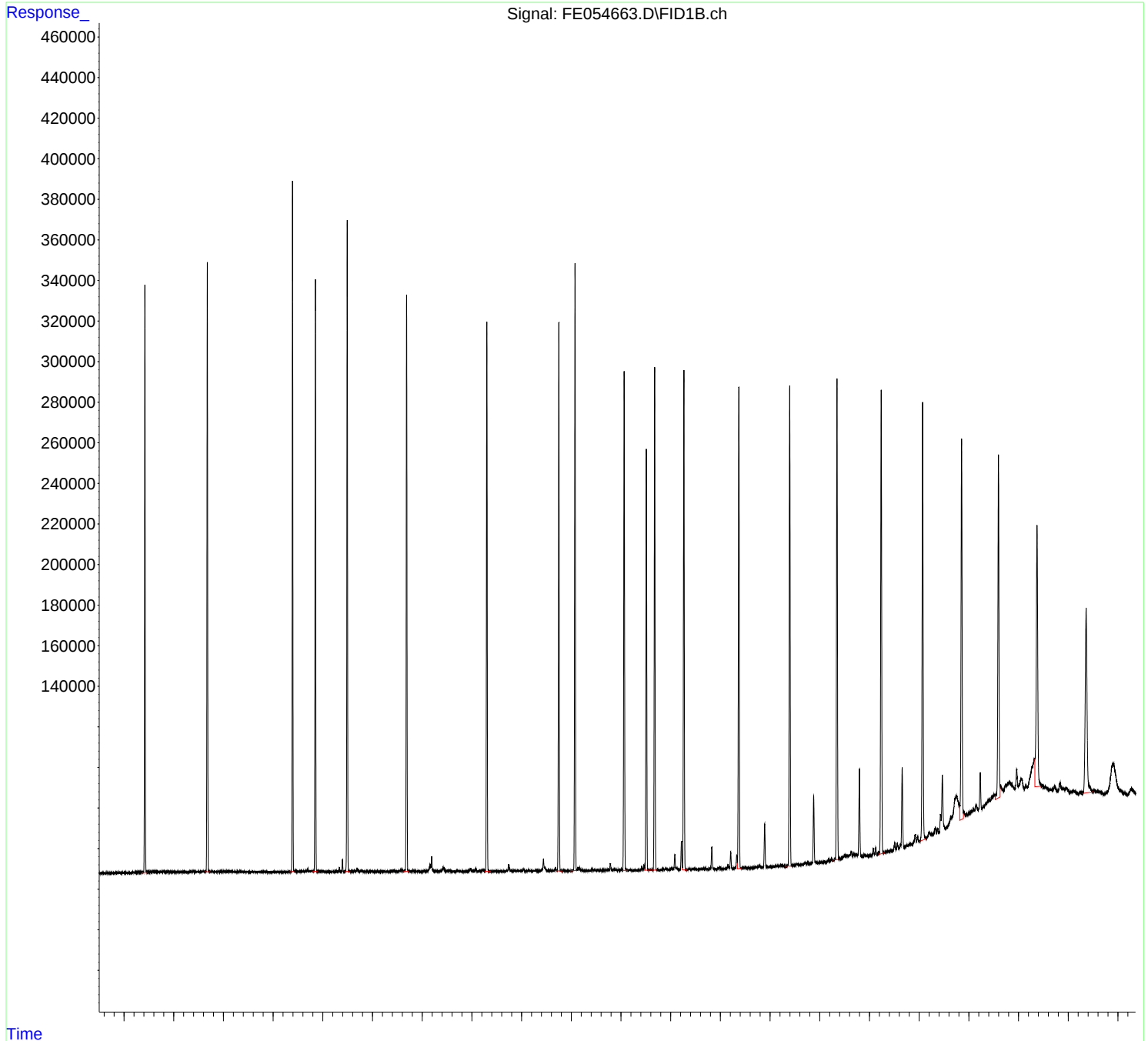
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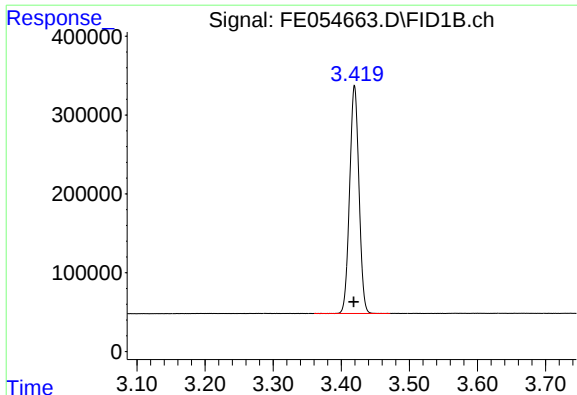
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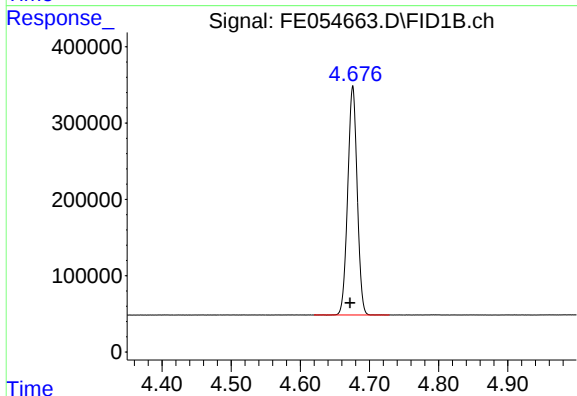
#1 n-Nonane (C9)

R.T.: 3.420 min
Delta R.T.: 0.002 min
Response: 2756809
Conc: 20.50 ug/ml

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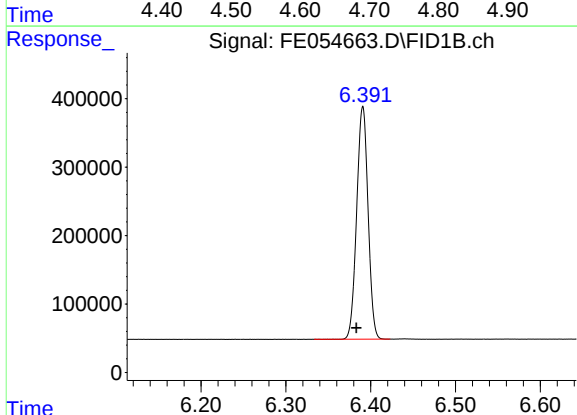
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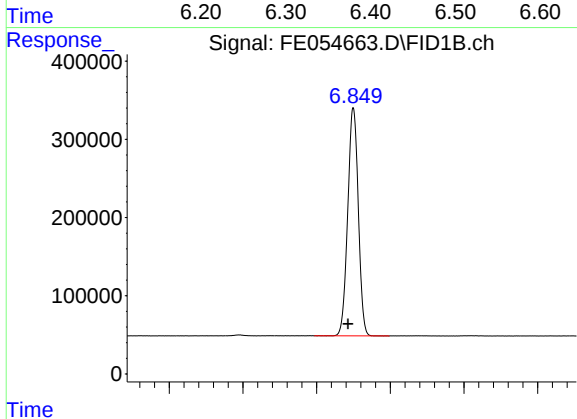
#2 n-Decane (C10)

R.T.: 4.676 min
Delta R.T.: 0.004 min
Response: 2849835
Conc: 20.89 ug/ml



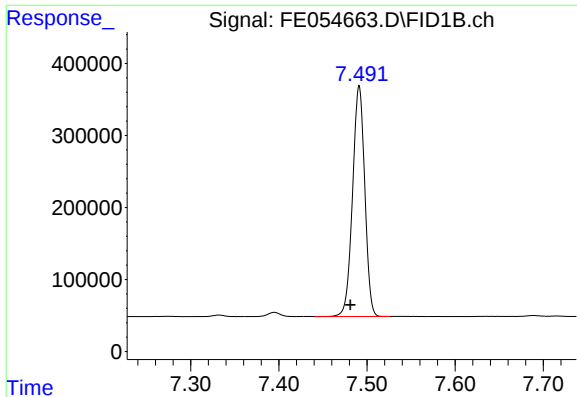
#3 A~Naphthalene (C11.7)

R.T.: 6.391 min
Delta R.T.: 0.008 min
Response: 3166218
Conc: 20.91 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.850 min
Delta R.T.: 0.007 min
Response: 2903037
Conc: 21.16 ug/ml



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

R.T.: 7.491 min
Delta R.T.: 0.010 min
Response: 3085732
Conc: 20.99 ug/ml

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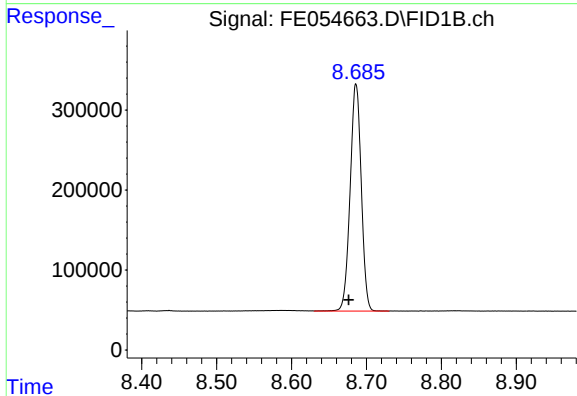
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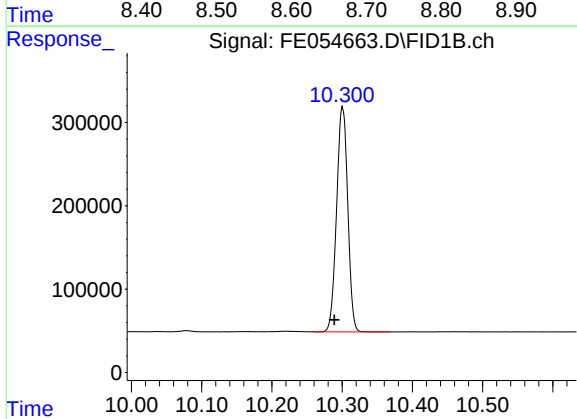
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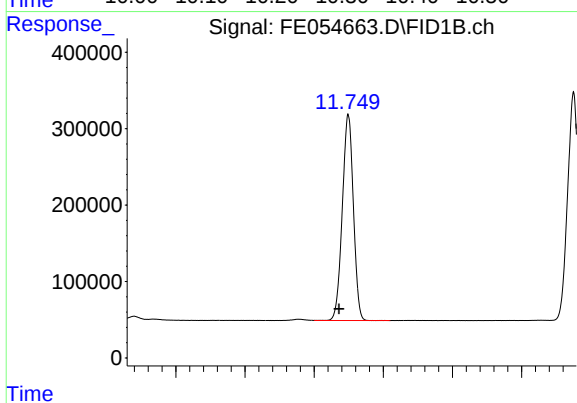
#6 n-Tetradecane (C14)

R.T.: 8.686 min
Delta R.T.: 0.010 min
Response: 2932153
Conc: 21.15 ug/ml



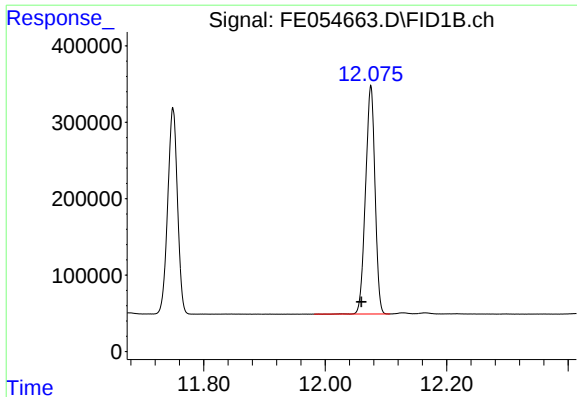
#7 n-Hexadecane (C16)

R.T.: 10.301 min
Delta R.T.: 0.012 min
Response: 2986714
Conc: 20.96 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.749 min
Delta R.T.: 0.013 min
Response: 3003123
Conc: 20.49 ug/ml



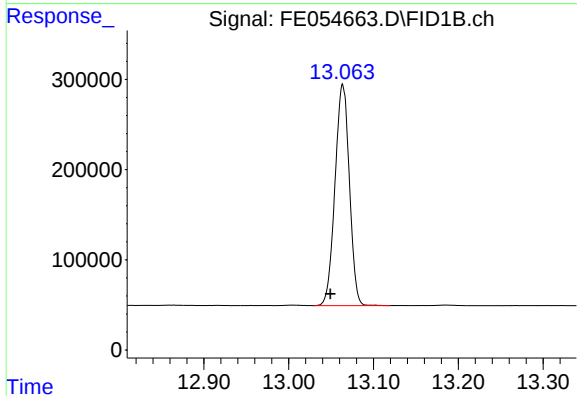
#9 ortho-Terphenyl (SURR)

R.T.: 12.075 min
Delta R.T.: 0.015 min
Response: 3236262
Conc: 19.93 ug/ml

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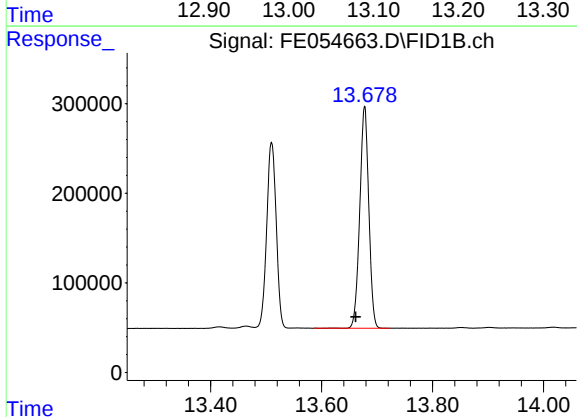
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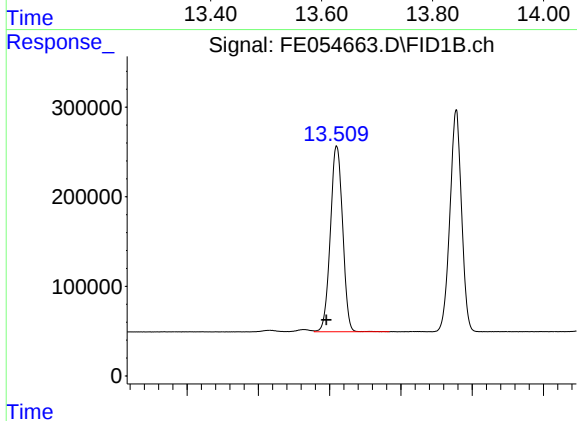
#10 n-Eicosane (C20)

R.T.: 13.064 min
Delta R.T.: 0.015 min
Response: 2891904
Conc: 20.11 ug/ml



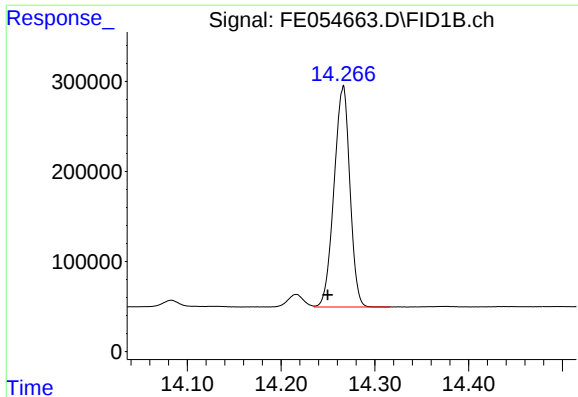
#11 n-Heneicosane (C21)

R.T.: 13.678 min
Delta R.T.: 0.016 min
Response: 2798771
Conc: 19.59 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.510 min
Delta R.T.: 0.014 min
Response: 2478305
Conc: 19.62 ug/ml



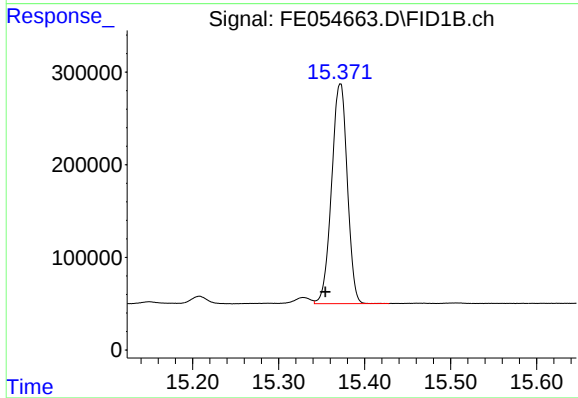
#13 n-Docosane (C22)

R.T.: 14.266 min
Delta R.T.: 0.016 min
Response: 2883761
Conc: 20.20 ug/ml

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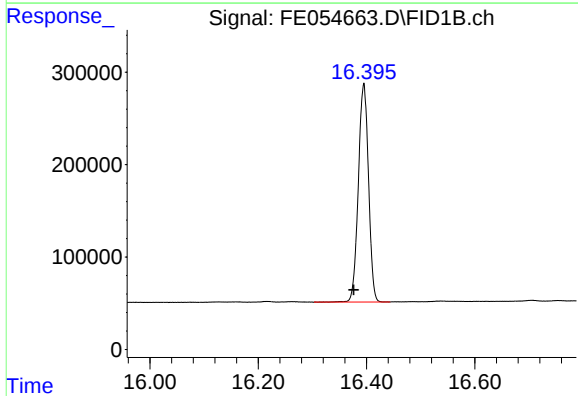
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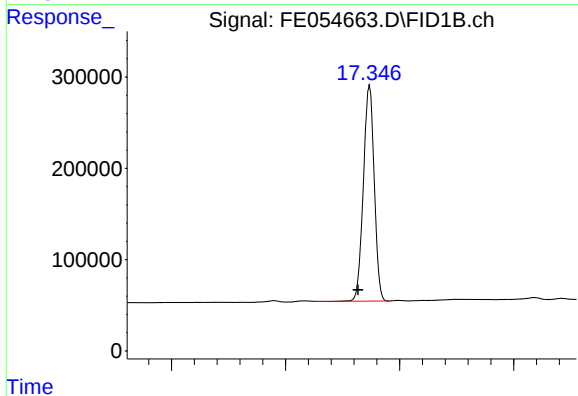
#14 n-Tetracosane (C24)

R.T.: 15.372 min
Delta R.T.: 0.017 min
Response: 3012319
Conc: 20.72 ug/ml



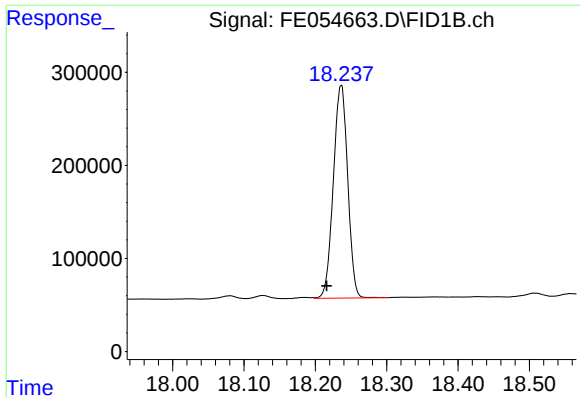
#15 n-Hexacosane (C26)

R.T.: 16.395 min
Delta R.T.: 0.018 min
Response: 3079315
Conc: 21.28 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.347 min
Delta R.T.: 0.019 min
Response: 3128861
Conc: 21.47 ug/ml



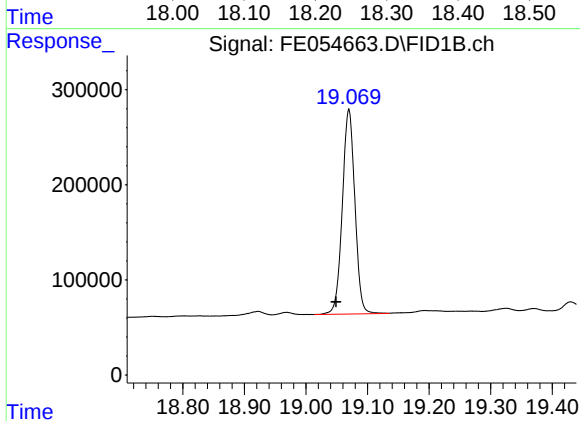
#17 n-Tricontane (C30)

R.T.: 18.236 min
Delta R.T.: 0.020 min
Response: 3203560
Conc: 20.33 ug/ml

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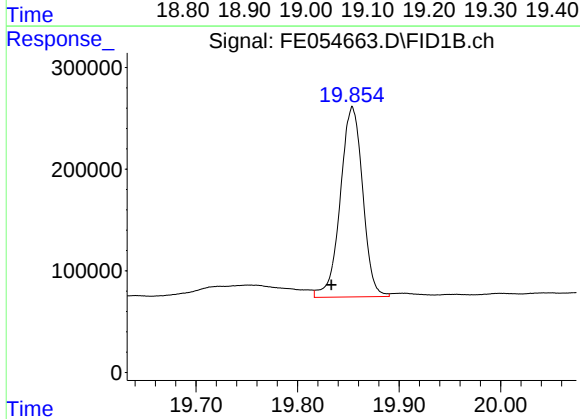
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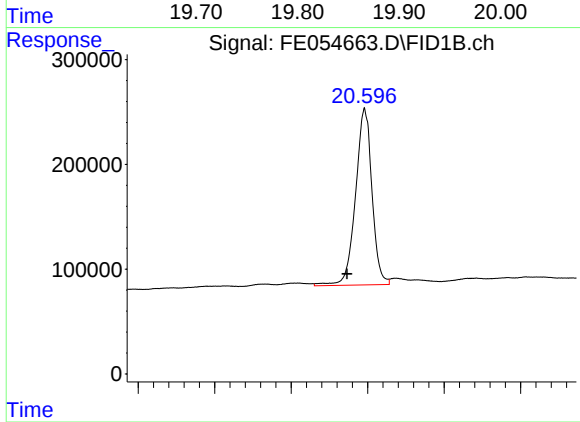
#18 n-Dotriacontane (C32)

R.T.: 19.070 min
Delta R.T.: 0.021 min
Response: 3050972
Conc: 18.86 ug/ml



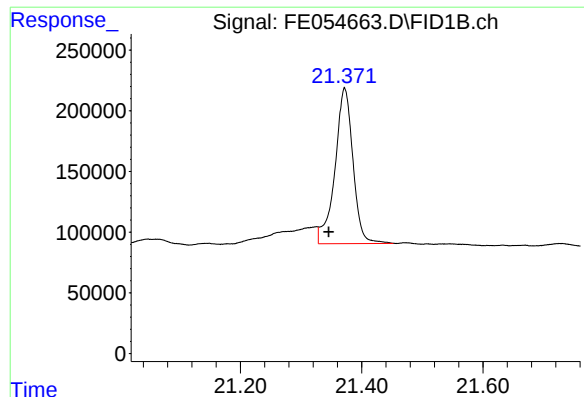
#19 n-Tetratriacontane (C34)

R.T.: 19.854 min
Delta R.T.: 0.021 min
Response: 2862575
Conc: 18.78 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.596 min
Delta R.T.: 0.023 min
Response: 2517804
Conc: 18.73 ug/ml



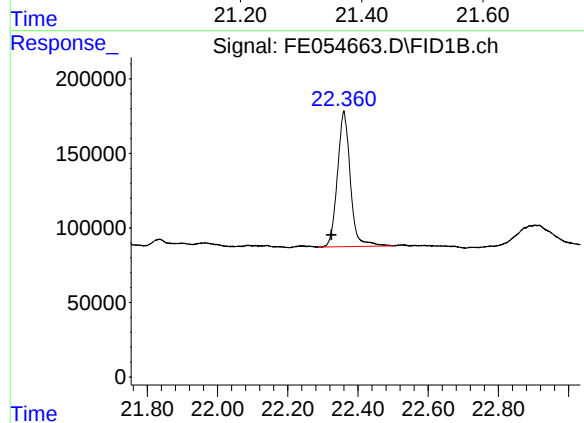
#21 n-Octatriacontane (C38)

R.T.: 21.371 min
Delta R.T.: 0.026 min
Response: 2644736
Conc: 22.55 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.360 min
Delta R.T.: 0.036 min
Response: 2309110
Conc: 21.30 ug/ml