

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112025AL\
 Data File : FE056959.D
 Signal(s) : FID1B.ch
 Acq On : 20 Nov 2025 14:10
 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 :Rahul Chavli 11/21/2025
 Supervised By :mohammad ahmed 11/22/2025

Integration File: autoint1.e
 Quant Time: Nov 20 22:16:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
 Quant Title : GC Extractables
 QLast Update : Tue Nov 18 13:37:28 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)	11.949	3794338	18.162 ug/ml
Spiked Amount 50.000		Recovery =	36.32%
12) S 1-chlorooctadecane (S...	13.387	2880404	17.878 ug/ml
Spiked Amount 50.000		Recovery =	35.76%
Target Compounds			
1) T n-Nonane (C9)	3.310	3430855	20.426 ug/ml
2) T n-Decane (C10)	4.562	3515115	20.485 ug/ml
3) T A~Naphthalene (C11.7)	6.277	3565628	19.317 ug/ml
4) T n-Dodecane (C12)	6.734	3556352	20.447 ug/ml
5) T A~2-methylnaphthalene...	7.377	3354420	18.928 ug/ml
6) T n-Tetradecane (C14)	8.567	3498948	20.045 ug/ml
7) T n-Hexadecane (C16)	10.179	3566612	19.494 ug/ml
8) T n-Octadecane (C18)	11.626	3576657	18.897 ug/ml
10) T n-Eicosane (C20)	12.939	3378570	18.129 ug/ml
11) T n-Heneicosane (C21)	13.552	3294621	17.917 ug/ml
13) T n-Docosane (C22)	14.141	3291755	17.584 ug/ml
14) T n-Tetracosane (C24)	15.246	3273730	16.714 ug/ml
15) T n-Hexacosane (C26)	16.270	3227335	16.607 ug/ml
16) T n-Octacosane (C28)	17.222	3257989	16.823 ug/ml
17) T n-Tricontane (C30)	18.112	3404989	16.983 ug/ml
18) T n-Dotriacontane (C32)	18.947	3397539	17.277 ug/ml
19) T n-Tetratriacontane (C34)	19.733	3170442	18.368 ug/ml
20) T n-Hexatriacontane (C36)	20.471	2828124	19.551 ug/mlm
21) T n-Octatriacontane (C38)	21.222	2648115	21.040 ug/ml
22) T n-Tetracontane (C40)	22.156	2741189	23.710 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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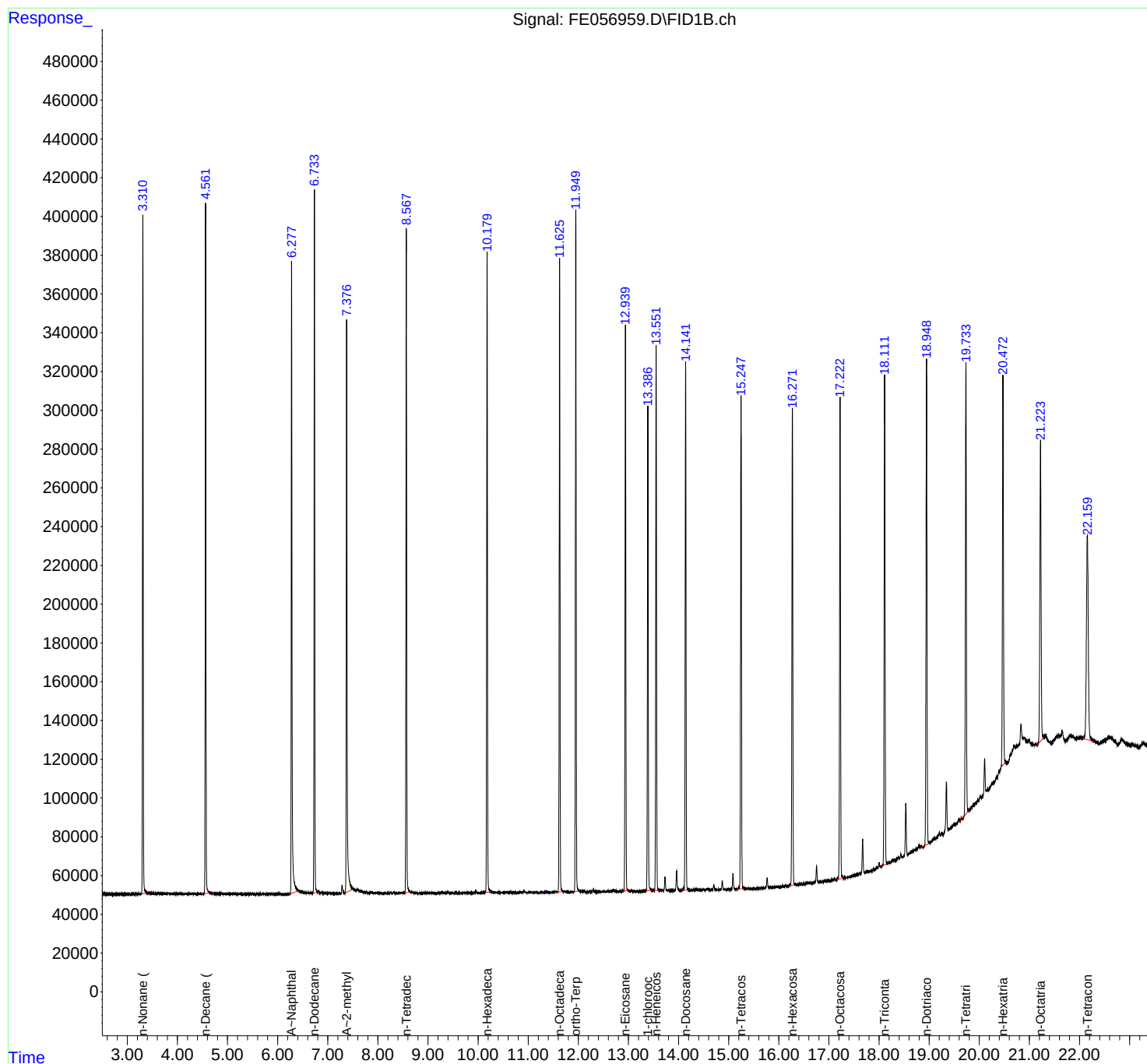
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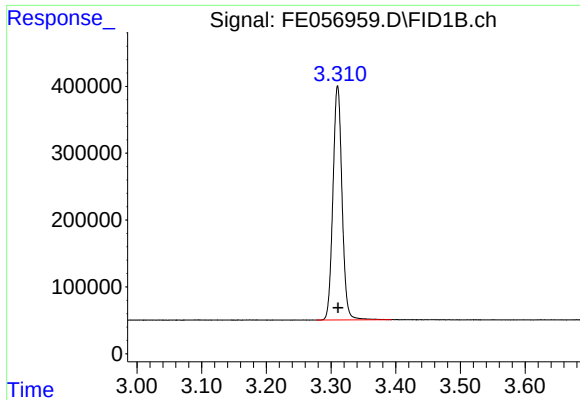
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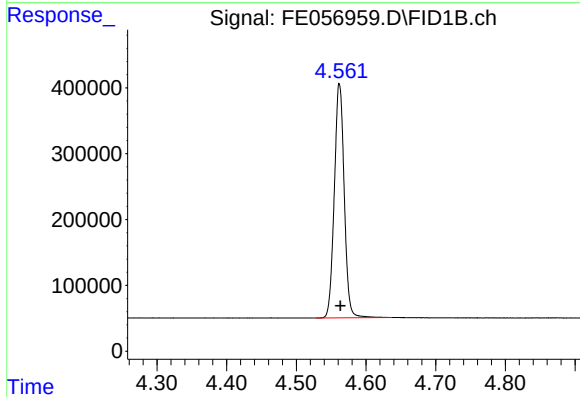
#1 n-Nonane (C9)

R.T.: 3.310 min
Delta R.T.: 0.000 min
Response: 3430855
Conc: 20.43 ug/ml

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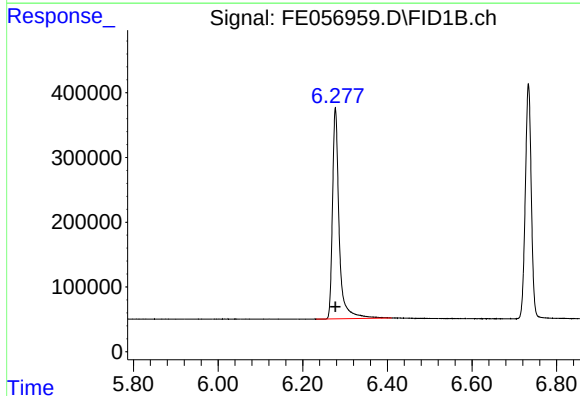
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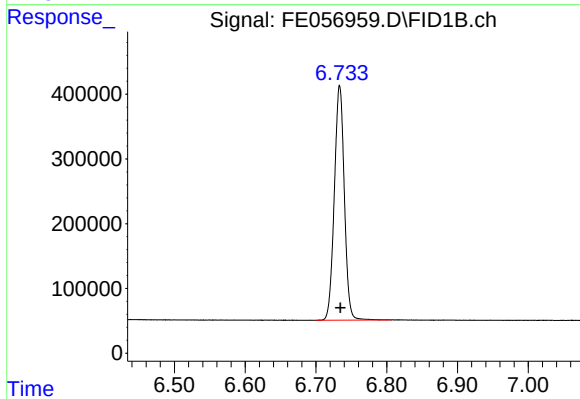
#2 n-Decane (C10)

R.T.: 4.562 min
Delta R.T.: -0.001 min
Response: 3515115
Conc: 20.49 ug/ml



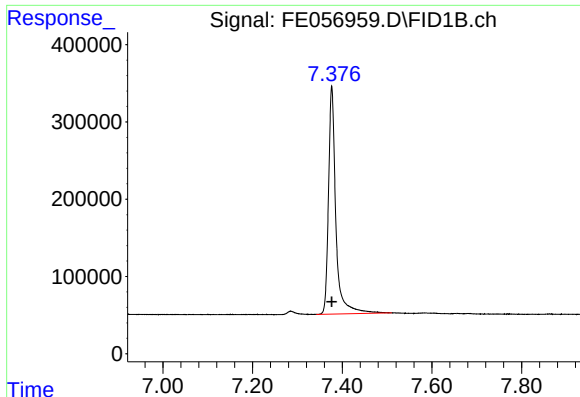
#3 A~Naphthalene (C11.7)

R.T.: 6.277 min
Delta R.T.: 0.000 min
Response: 3565628
Conc: 19.32 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.734 min
Delta R.T.: 0.000 min
Response: 3556352
Conc: 20.45 ug/ml



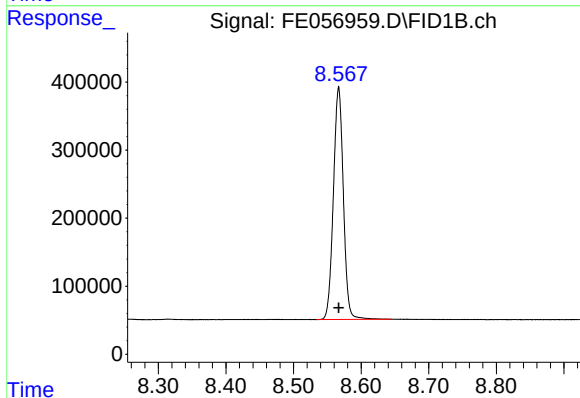
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.377 min
Delta R.T.: 0.000 min
Response: 3354420
Conc: 18.93 ug/ml

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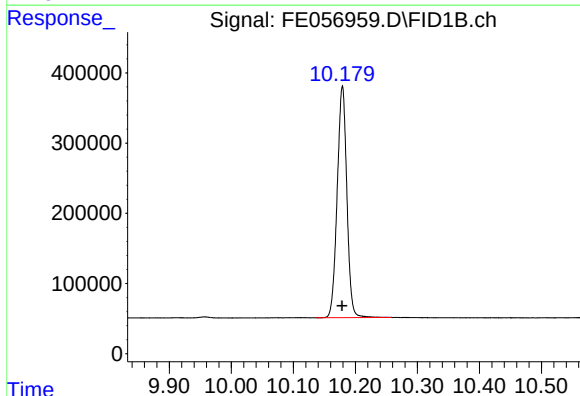
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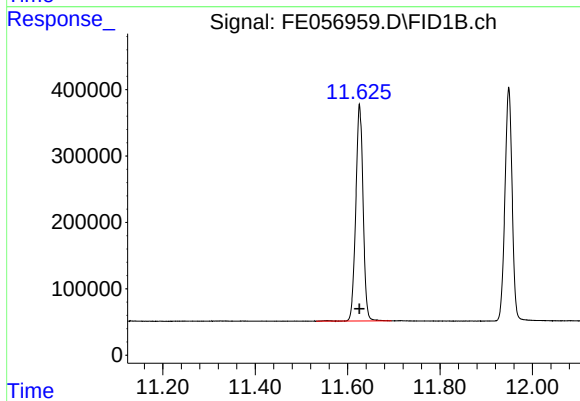
#6 n-Tetradecane (C14)

R.T.: 8.567 min
Delta R.T.: 0.000 min
Response: 3498948
Conc: 20.05 ug/ml



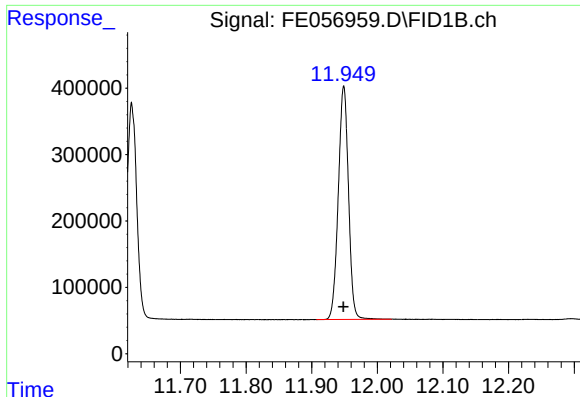
#7 n-Hexadecane (C16)

R.T.: 10.179 min
Delta R.T.: 0.000 min
Response: 3566612
Conc: 19.49 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.626 min
Delta R.T.: 0.000 min
Response: 3576657
Conc: 18.90 ug/ml



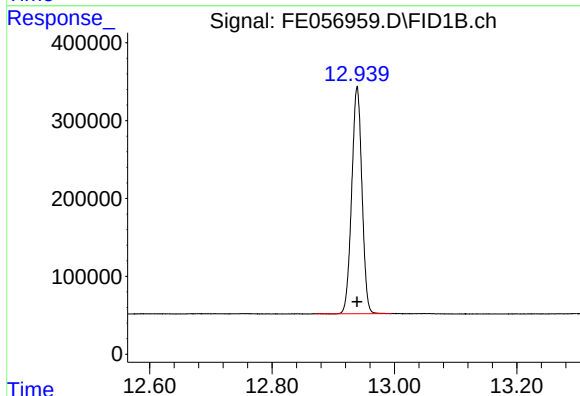
#9 ortho-Terphenyl (SURR)

R.T.: 11.949 min
Delta R.T.: 0.000 min
Response: 3794338
Conc: 18.16 ug/ml

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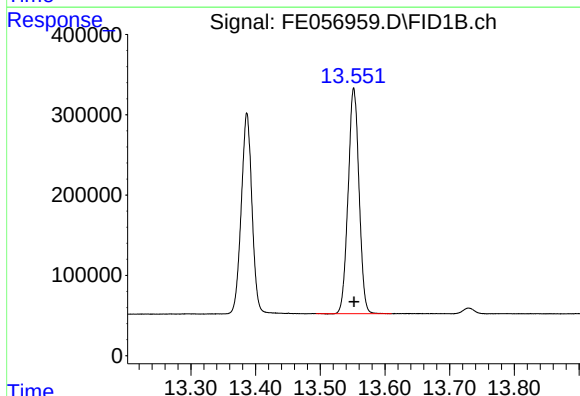
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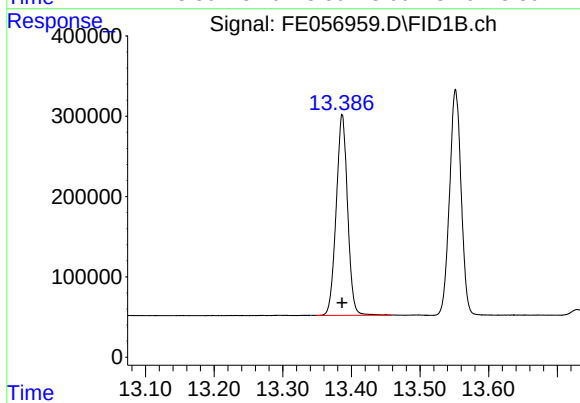
#10 n-Eicosane (C20)

R.T.: 12.939 min
Delta R.T.: 0.000 min
Response: 3378570
Conc: 18.13 ug/ml



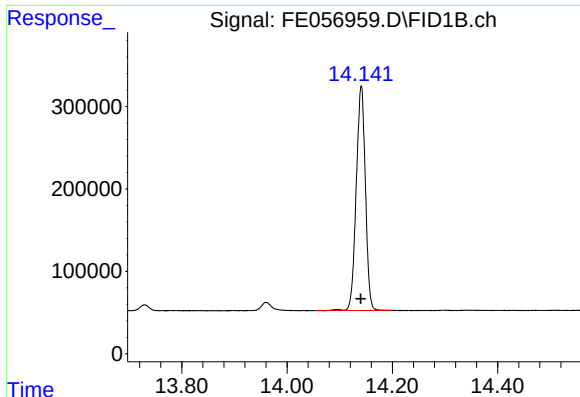
#11 n-Heneicosane (C21)

R.T.: 13.552 min
Delta R.T.: 0.000 min
Response: 3294621
Conc: 17.92 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.387 min
Delta R.T.: 0.000 min
Response: 2880404
Conc: 17.88 ug/ml



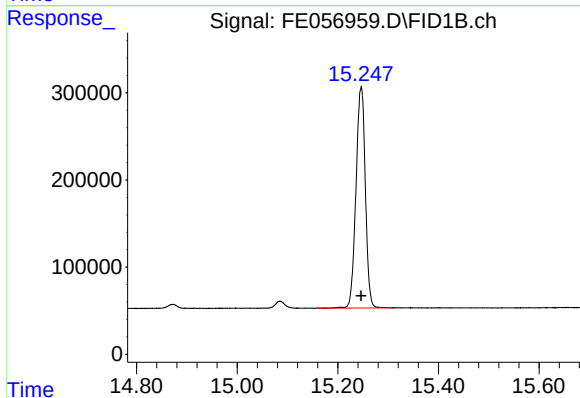
#13 n-Docosane (C22)

R.T.: 14.141 min
Delta R.T.: 0.001 min
Response: 3291755
Conc: 17.58 ug/ml

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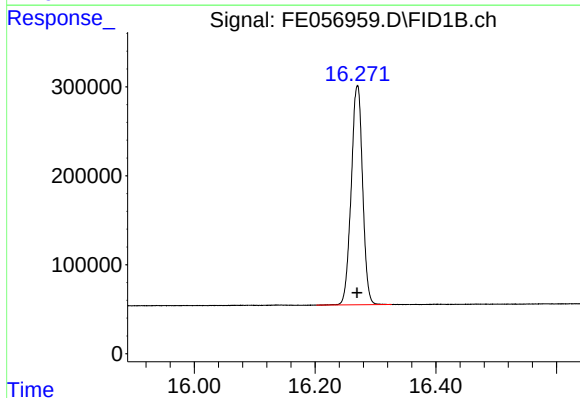
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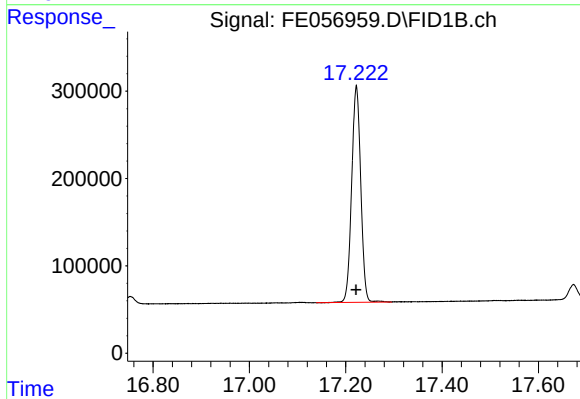
#14 n-Tetracosane (C24)

R.T.: 15.246 min
Delta R.T.: 0.000 min
Response: 3273730
Conc: 16.71 ug/ml



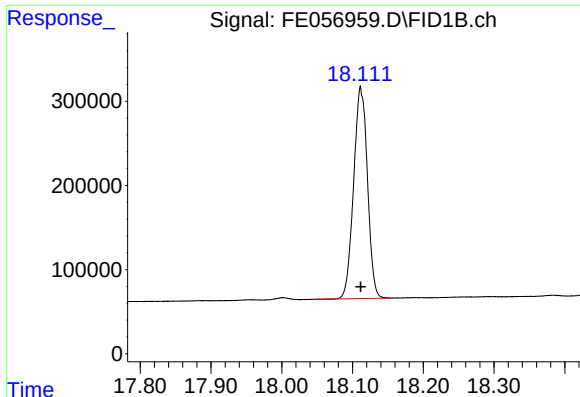
#15 n-Hexacosane (C26)

R.T.: 16.270 min
Delta R.T.: 0.000 min
Response: 3227335
Conc: 16.61 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.222 min
Delta R.T.: 0.000 min
Response: 3257989
Conc: 16.82 ug/ml



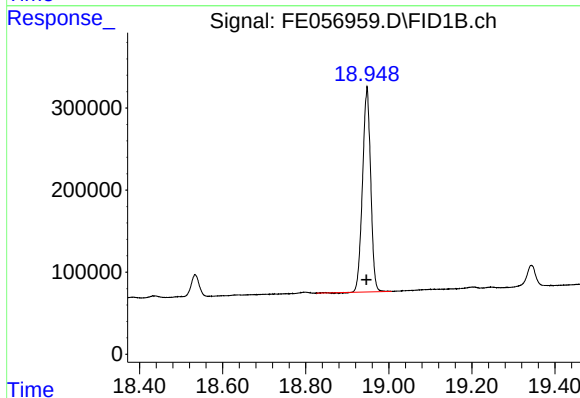
#17 n-Tricontane (C30)

R.T.: 18.112 min
Delta R.T.: 0.000 min
Response: 3404989
Conc: 16.98 ug/ml

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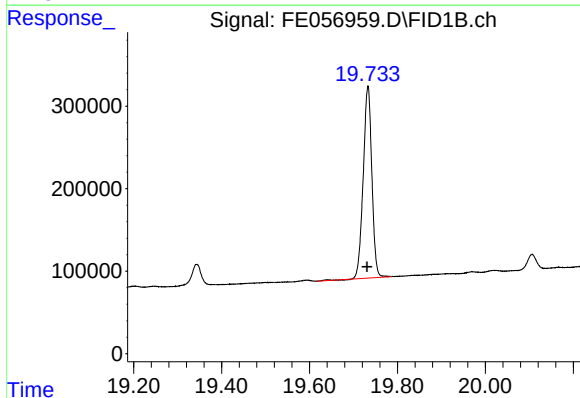
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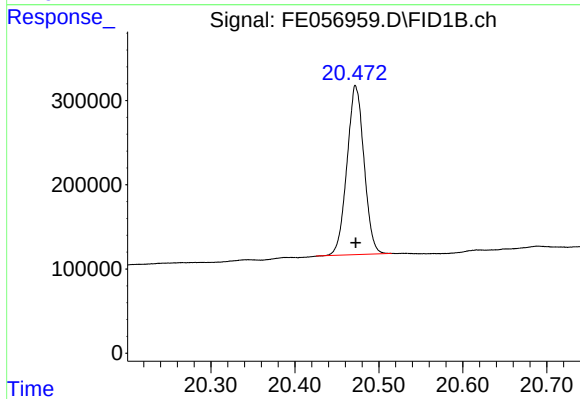
#18 n-Dotriacontane (C32)

R.T.: 18.947 min
Delta R.T.: 0.001 min
Response: 3397539
Conc: 17.28 ug/ml



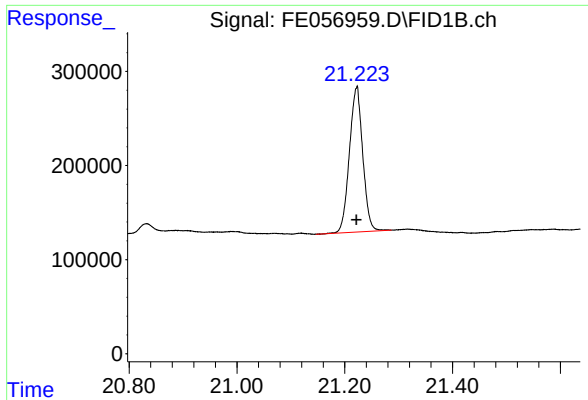
#19 n-Tetratriacontane (C34)

R.T.: 19.733 min
Delta R.T.: 0.002 min
Response: 3170442
Conc: 18.37 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.471 min
Delta R.T.: -0.001 min
Response: 2828124
Conc: 19.55 ug/ml m



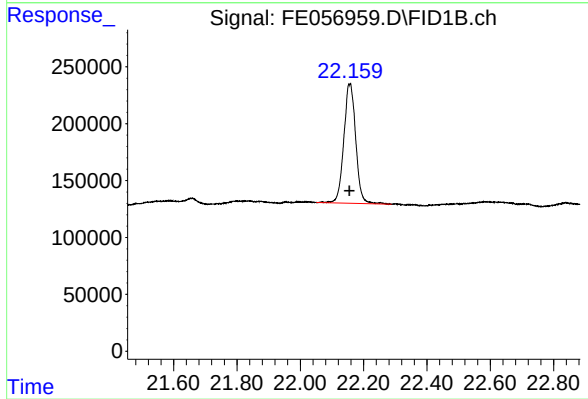
#21 n-Octatriacontane (C38)

R.T.: 21.222 min
Delta R.T.: 0.000 min
Response: 2648115
Conc: 21.04 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.156 min
Delta R.T.: 0.000 min
Response: 2741189
Conc: 23.71 ug/ml