

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110625AL\
 Data File : FE056693.D
 Signal(s) : FID1B.ch
 Acq On : 06 Nov 2025 15:05
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/07/2025
 Supervised By :Yogesh Patel 11/07/2025

Integration File: autoint1.e
 Quant Time: Nov 07 02:12:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 30 12:50:27 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)	11.964	4267759	20.428 ug/ml
Spiked Amount 50.000		Recovery =	40.86%
12) S 1-chlorooctadecane (S...	13.403	3218102	19.974 ug/ml
Spiked Amount 50.000		Recovery =	39.95%
Target Compounds			
1) T n-Nonane (C9)	3.320	3642879	21.689 ug/ml
2) T n-Decane (C10)	4.573	3788583	22.079 ug/ml
3) T A~Naphthalene (C11.7)	6.287	3912643	21.197 ug/ml
4) T n-Dodecane (C12)	6.745	3902203	22.435 ug/ml
5) T A~2-methylnaphthalene...	7.387	3730464	21.050 ug/ml
6) T n-Tetradecane (C14)	8.580	3856772	22.095 ug/ml
7) T n-Hexadecane (C16)	10.193	3958563	21.637 ug/ml
8) T n-Octadecane (C18)	11.641	3997978	21.123 ug/ml
10) T n-Eicosane (C20)	12.955	3798189	20.381 ug/ml
11) T n-Heneicosane (C21)	13.568	3702287	20.134 ug/ml
13) T n-Docosane (C22)	14.157	3689007	19.706 ug/ml
14) T n-Tetracosane (C24)	15.263	3709793	18.941 ug/ml
15) T n-Hexacosane (C26)	16.287	3620330	18.629 ug/ml
16) T n-Octacosane (C28)	17.240	3560045	18.383 ug/ml
17) T n-Tricontane (C30)	18.130	3682225	18.366 ug/ml
18) T n-Dotriacontane (C32)	18.964	3642861	18.525 ug/ml
19) T n-Tetratriacontane (C34)	19.750	3284048	19.026 ug/ml
20) T n-Hexatriacontane (C36)	20.492	2945414	20.361 ug/ml
21) T n-Octatriacontane (C38)	21.243	2739243	21.764 ug/mlm
22) T n-Tetracontane (C40)	22.185	2710671	23.446 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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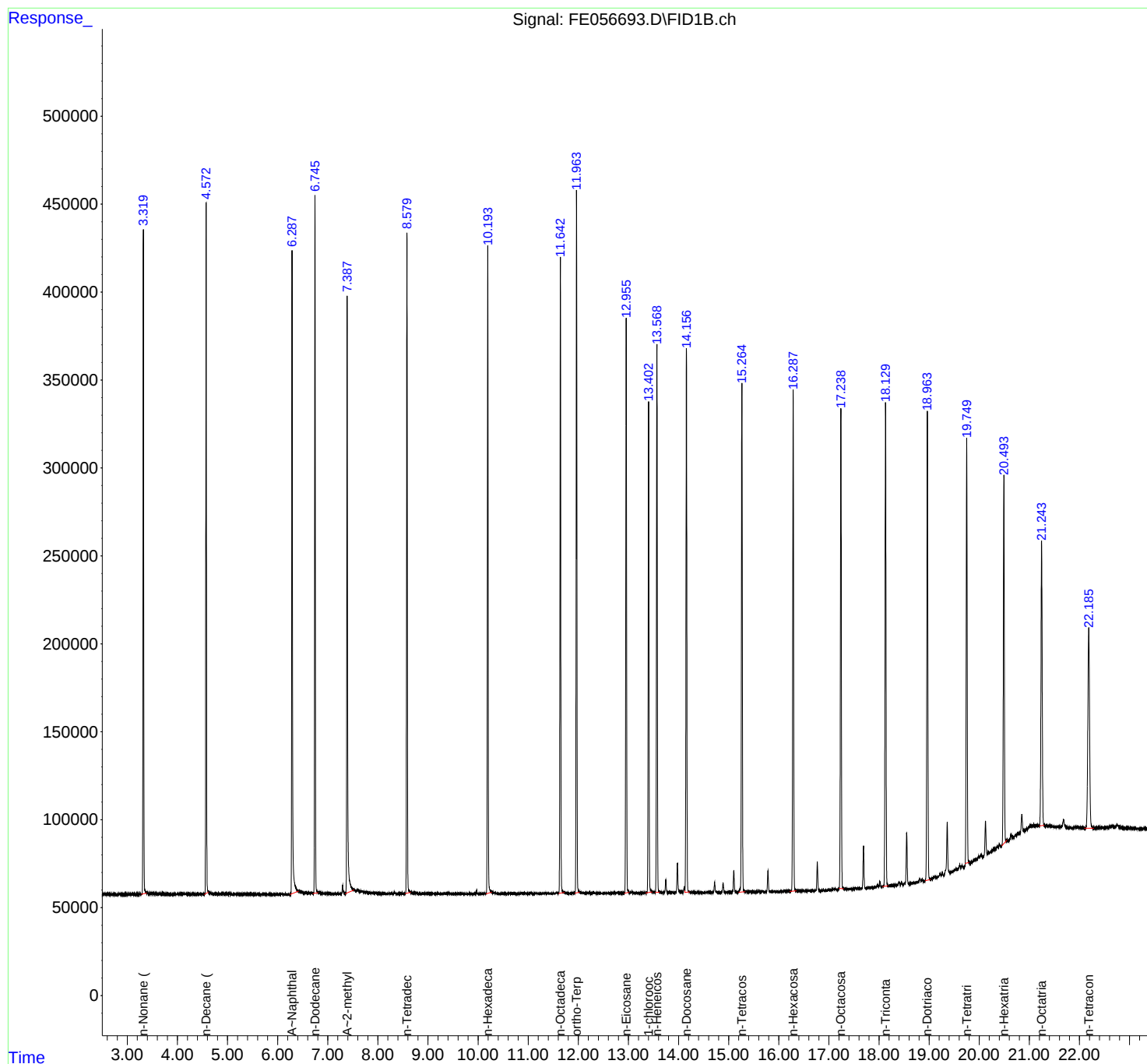
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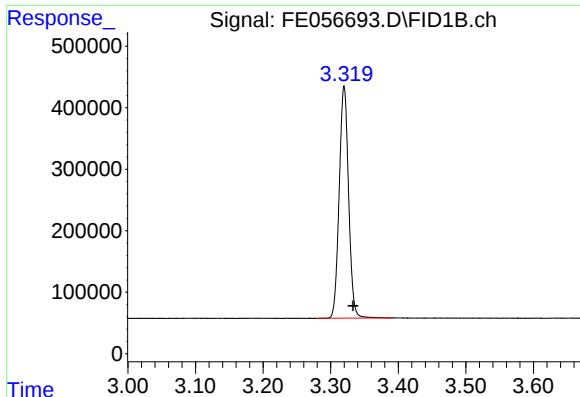
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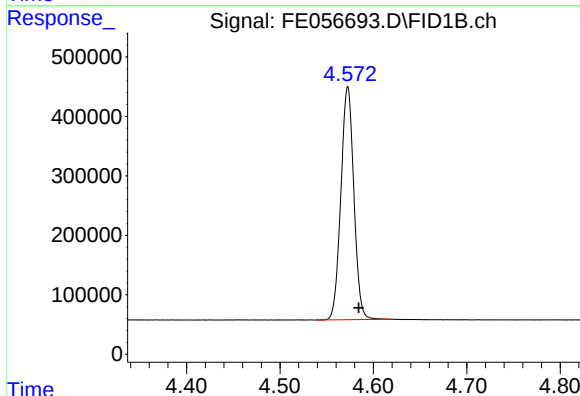
#1 n-Nonane (C9)

R.T.: 3.320 min
Delta R.T.: -0.013 min
Response: 3642879
Conc: 21.69 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

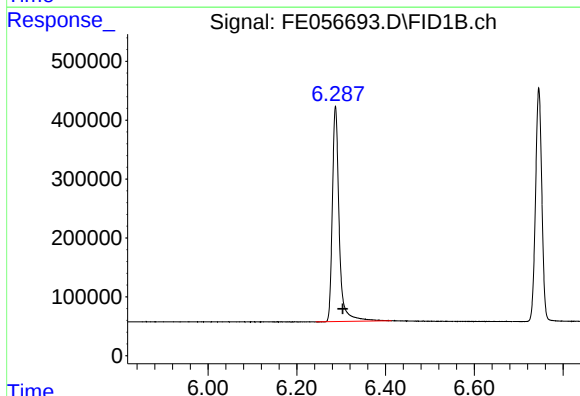
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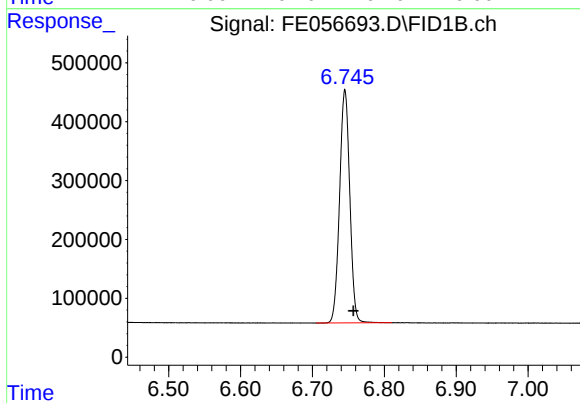
#2 n-Decane (C10)

R.T.: 4.573 min
Delta R.T.: -0.012 min
Response: 3788583
Conc: 22.08 ug/ml



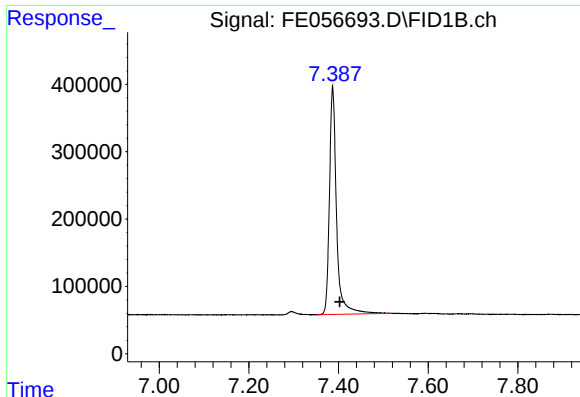
#3 A~Naphthalene (C11.7)

R.T.: 6.287 min
Delta R.T.: -0.016 min
Response: 3912643
Conc: 21.20 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.745 min
Delta R.T.: -0.012 min
Response: 3902203
Conc: 22.44 ug/ml



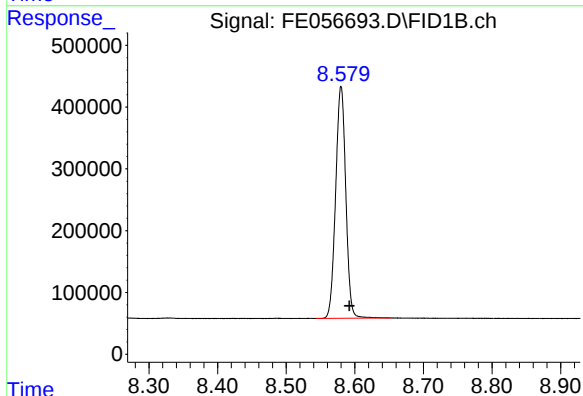
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.387 min
Delta R.T.: -0.016 min
Response: 3730464
Conc: 21.05 ug/ml

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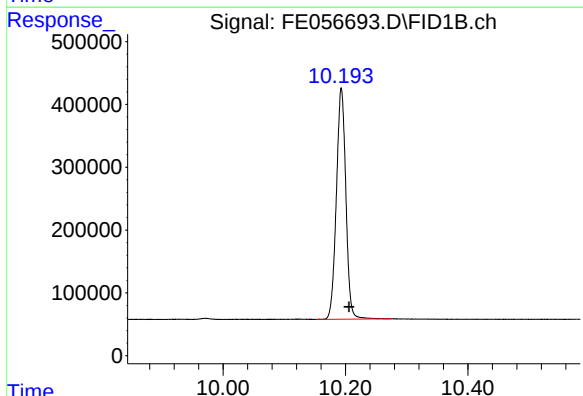
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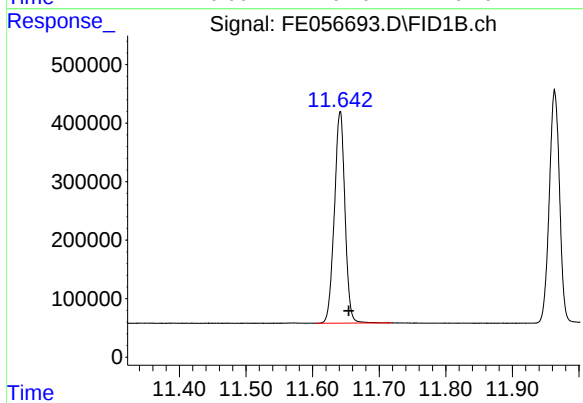
#6 n-Tetradecane (C14)

R.T.: 8.580 min
Delta R.T.: -0.012 min
Response: 3856772
Conc: 22.10 ug/ml



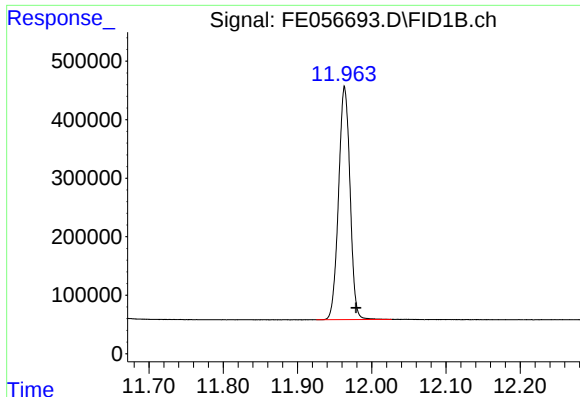
#7 n-Hexadecane (C16)

R.T.: 10.193 min
Delta R.T.: -0.012 min
Response: 3958563
Conc: 21.64 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.641 min
Delta R.T.: -0.013 min
Response: 3997978
Conc: 21.12 ug/ml



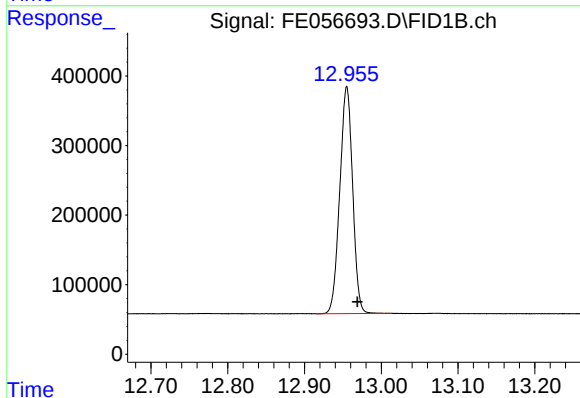
#9 ortho-Terphenyl (SURR)

R.T.: 11.964 min
Delta R.T.: -0.015 min
Response: 4267759
Conc: 20.43 ug/ml

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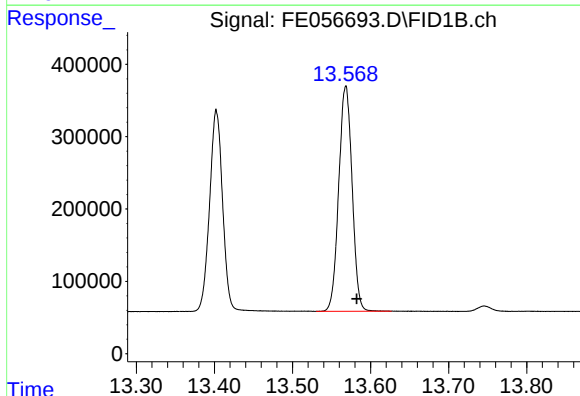
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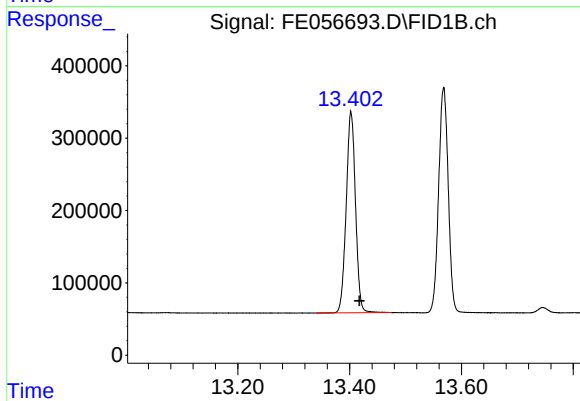
#10 n-Eicosane (C20)

R.T.: 12.955 min
Delta R.T.: -0.014 min
Response: 3798189
Conc: 20.38 ug/ml



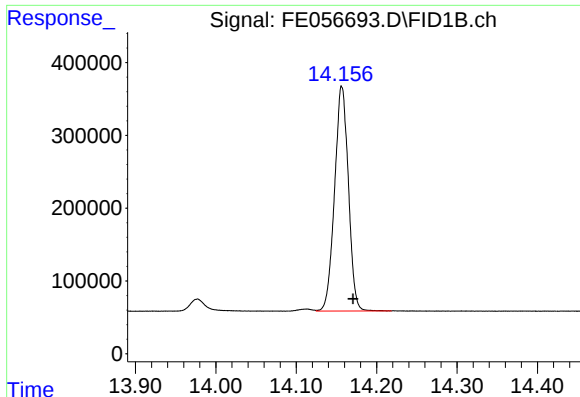
#11 n-Heneicosane (C21)

R.T.: 13.568 min
Delta R.T.: -0.014 min
Response: 3702287
Conc: 20.13 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.403 min
Delta R.T.: -0.015 min
Response: 3218102
Conc: 19.97 ug/ml



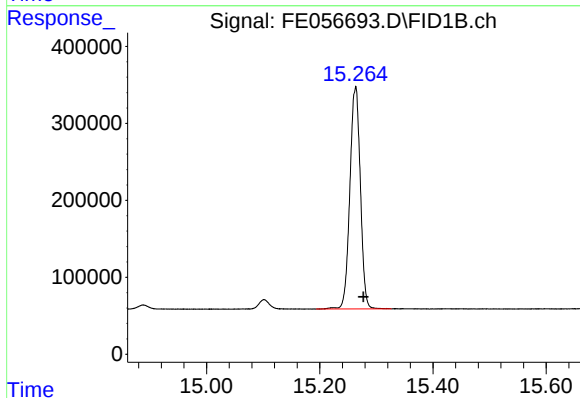
#13 n-Docosane (C22)

R.T.: 14.157 min
Delta R.T.: -0.014 min
Response: 3689007
Conc: 19.71 ug/ml

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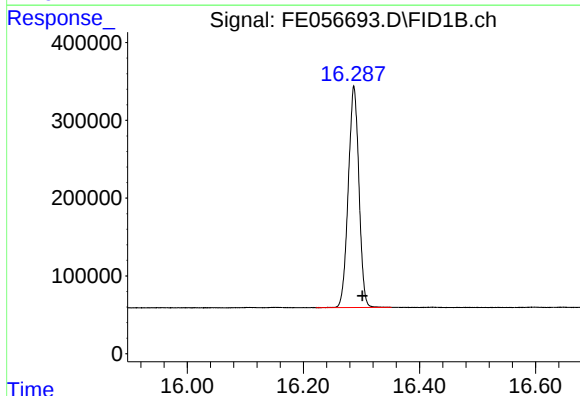
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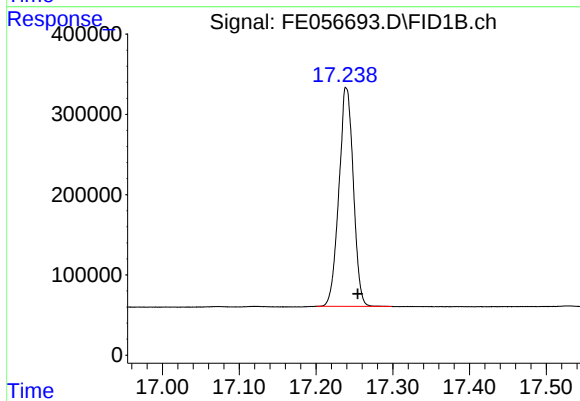
#14 n-Tetracosane (C24)

R.T.: 15.263 min
Delta R.T.: -0.014 min
Response: 3709793
Conc: 18.94 ug/ml



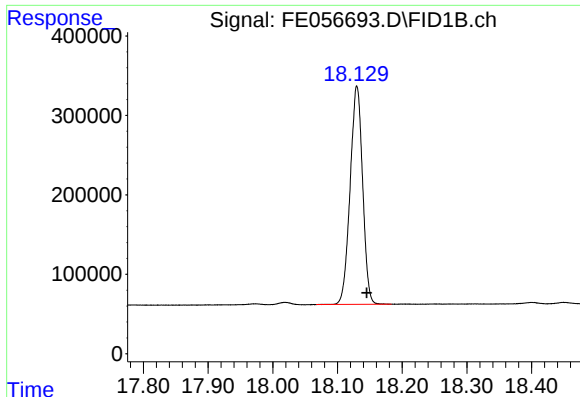
#15 n-Hexacosane (C26)

R.T.: 16.287 min
Delta R.T.: -0.015 min
Response: 3620330
Conc: 18.63 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.240 min
Delta R.T.: -0.015 min
Response: 3560045
Conc: 18.38 ug/ml



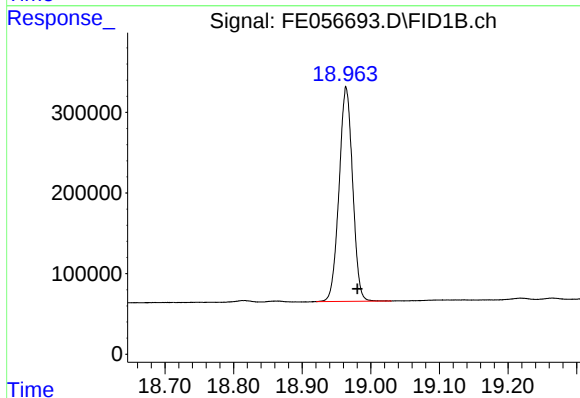
#17 n-Tricontane (C30)

R.T.: 18.130 min
Delta R.T.: -0.015 min
Response: 3682225
Conc: 18.37 ug/ml

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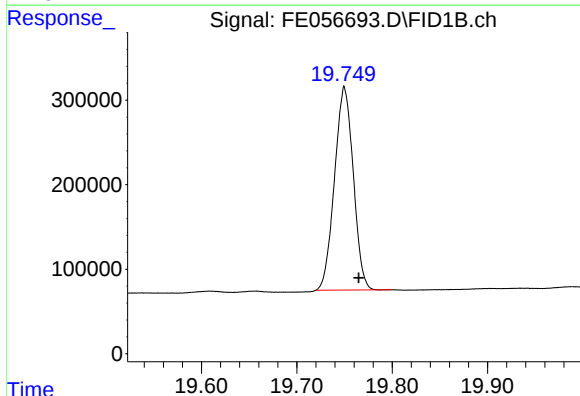
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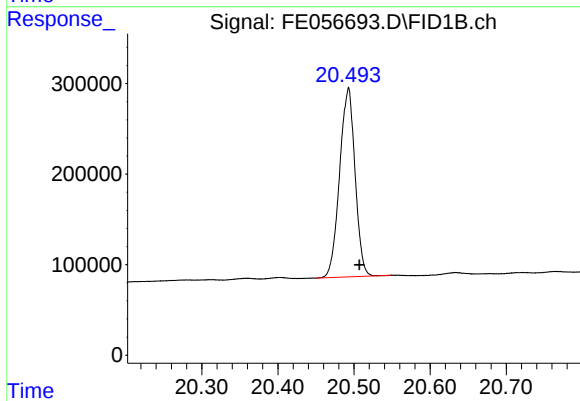
#18 n-Dotriacontane (C32)

R.T.: 18.964 min
Delta R.T.: -0.017 min
Response: 3642861
Conc: 18.52 ug/ml



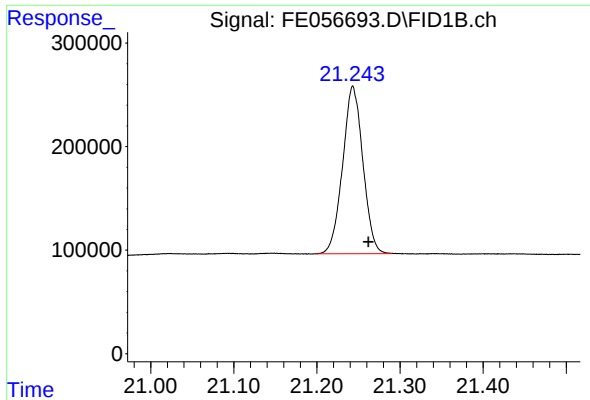
#19 n-Tetratriacontane (C34)

R.T.: 19.750 min
Delta R.T.: -0.015 min
Response: 3284048
Conc: 19.03 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.492 min
Delta R.T.: -0.015 min
Response: 2945414
Conc: 20.36 ug/ml



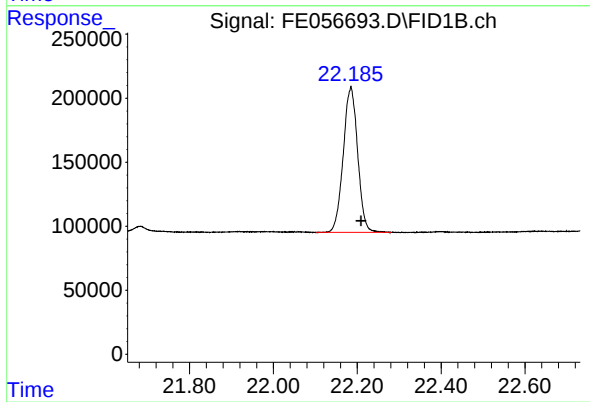
#21 n-Octatriacontane (C38)

R.T.: 21.243 min
Delta R.T.: -0.019 min
Response: 2739243
Conc: 21.76 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.185 min
Delta R.T.: -0.024 min
Response: 2710671
Conc: 23.45 ug/ml