

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112425AL\
 Data File : FE056997.D
 Signal(s) : FID1B.ch
 Acq On : 24 Nov 2025 14:07
 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 11/25/2025
 Supervised By :mohammad ahmed 11/26/2025

Integration File: sample.E
 Quant Time: Nov 25 01:17:48 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)	11.945	4161203	19.918 ug/ml
Spiked Amount 50.000		Recovery =	39.84%
12) S 1-chlorooctadecane (S...	13.384	3145586	19.524 ug/ml
Spiked Amount 50.000		Recovery =	39.05%
Target Compounds			
1) T n-Nonane (C9)	3.304	3582326	21.328 ug/ml
2) T n-Decane (C10)	4.556	3798750	22.138 ug/ml
3) T A~Naphthalene (C11.7)	6.273	3849693	20.856 ug/ml
4) T n-Dodecane (C12)	6.729	3876585	22.288 ug/ml
5) T A~2-methylnaphthalene...	7.372	3650559	20.599 ug/ml
6) T n-Tetradecane (C14)	8.562	3843549	22.020 ug/ml
7) T n-Hexadecane (C16)	10.175	3914927	21.398 ug/ml
8) T n-Octadecane (C18)	11.623	3922684	20.725 ug/ml
10) T n-Eicosane (C20)	12.935	3720238	19.962 ug/ml
11) T n-Heneicosane (C21)	13.549	3638820	19.789 ug/ml
13) T n-Docosane (C22)	14.137	3625036	19.364 ug/ml
14) T n-Tetracosane (C24)	15.243	3601265	18.387 ug/ml
15) T n-Hexacosane (C26)	16.267	3551609	18.275 ug/ml
16) T n-Octacosane (C28)	17.219	3614191	18.662 ug/ml
17) T n-Tricontane (C30)	18.108	3854875	19.227 ug/ml
18) T n-Dotriacontane (C32)	18.943	3897784	19.821 ug/ml
19) T n-Tetratriacontane (C34)	19.729	3621015	20.978 ug/ml
20) T n-Hexatriacontane (C36)	20.471	3204299	22.151 ug/ml
21) T n-Octatriacontane (C38)	21.218	2996197	23.806 ug/ml
22) T n-Tetracontane (C40)	22.152	2871799	24.840 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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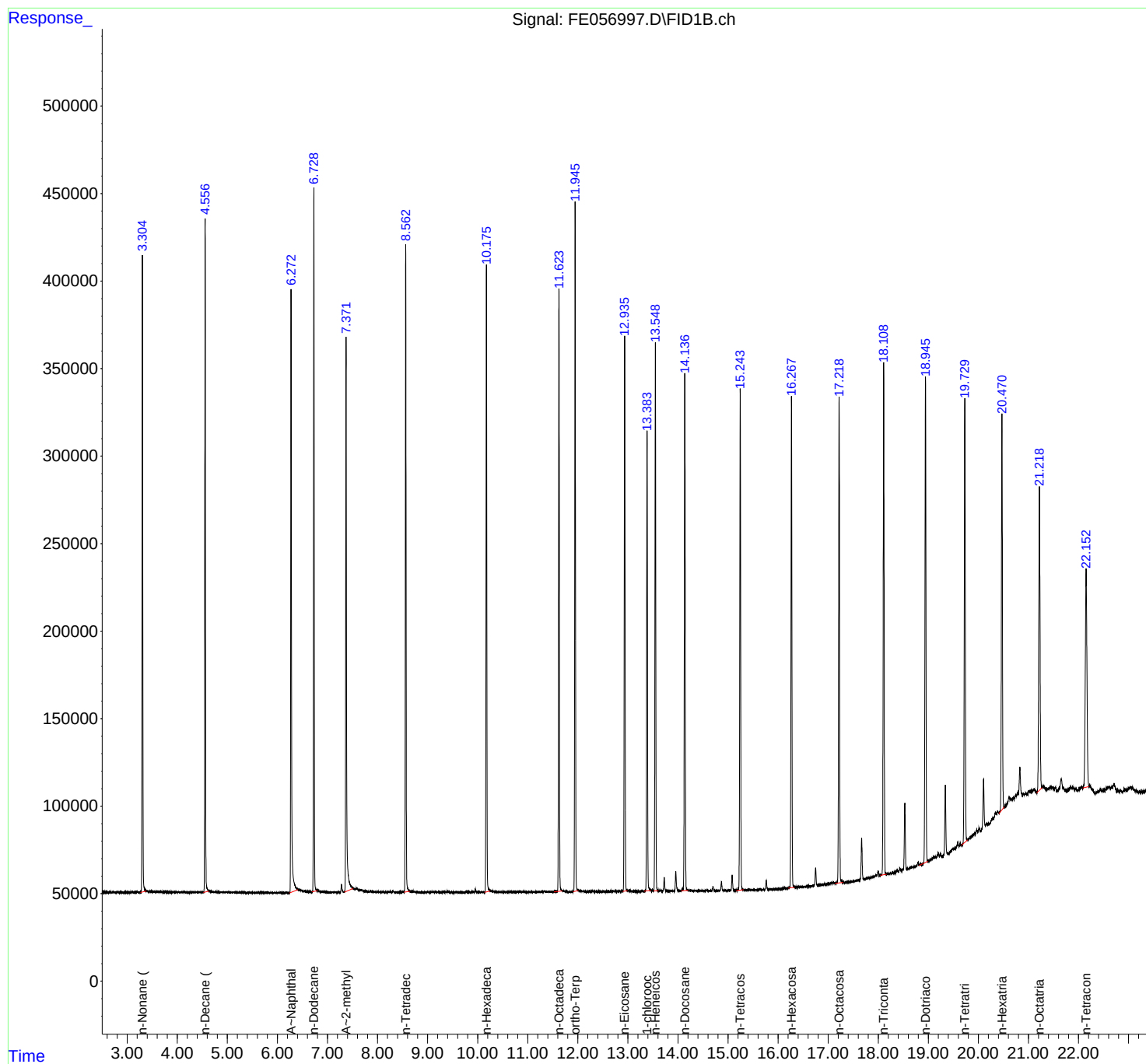
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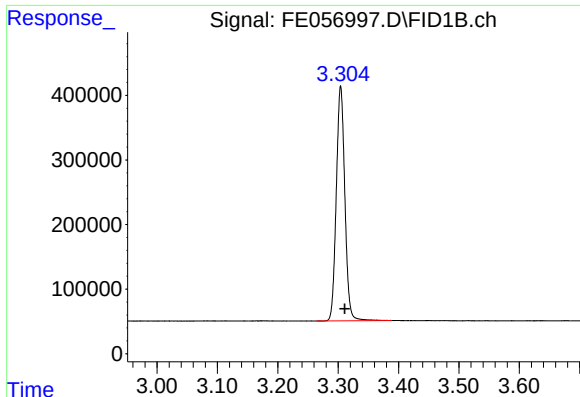
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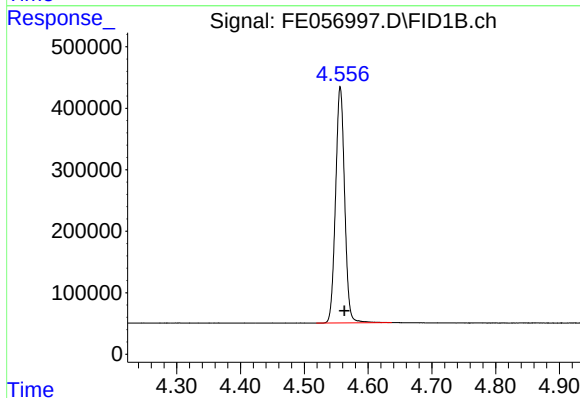
#1 n-Nonane (C9)

R.T.: 3.304 min
Delta R.T.: -0.007 min
Response: 3582326
Conc: 21.33 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

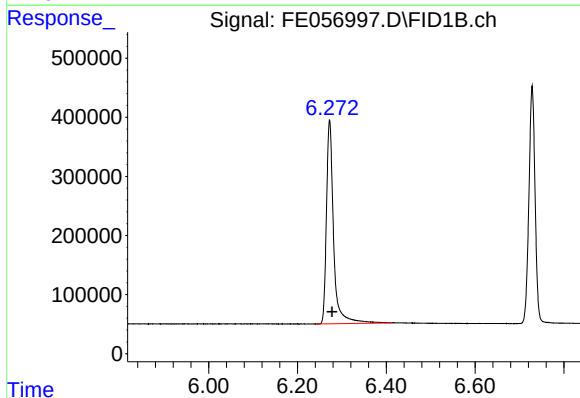
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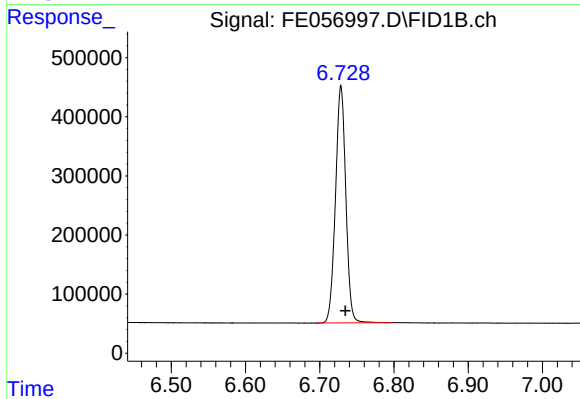
#2 n-Decane (C10)

R.T.: 4.556 min
Delta R.T.: -0.007 min
Response: 3798750
Conc: 22.14 ug/ml



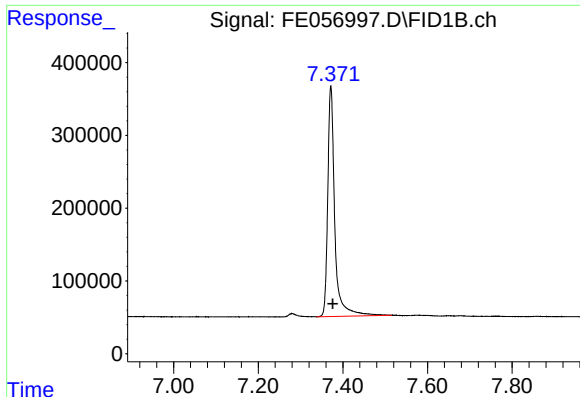
#3 A~Naphthalene (C11.7)

R.T.: 6.273 min
Delta R.T.: -0.005 min
Response: 3849693
Conc: 20.86 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.729 min
Delta R.T.: -0.006 min
Response: 3876585
Conc: 22.29 ug/ml



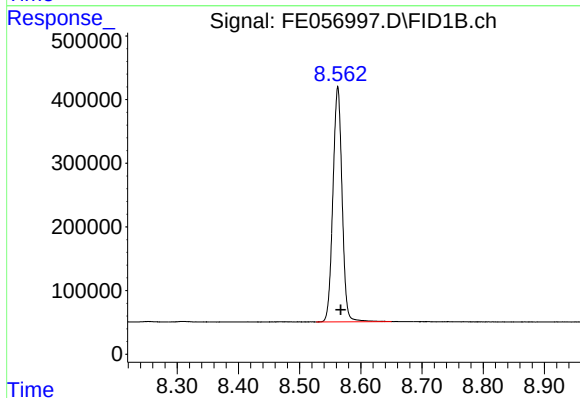
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.372 min
Delta R.T.: -0.005 min
Response: 3650559
Conc: 20.60 ug/ml

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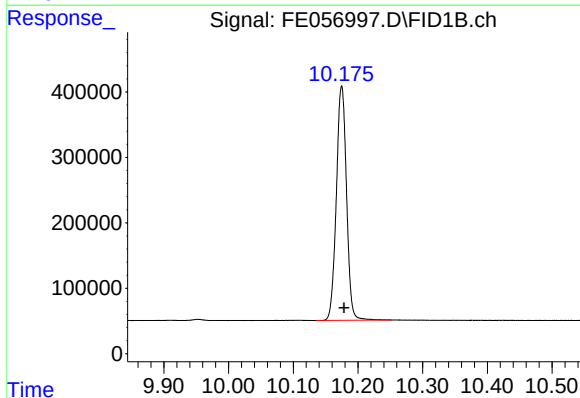
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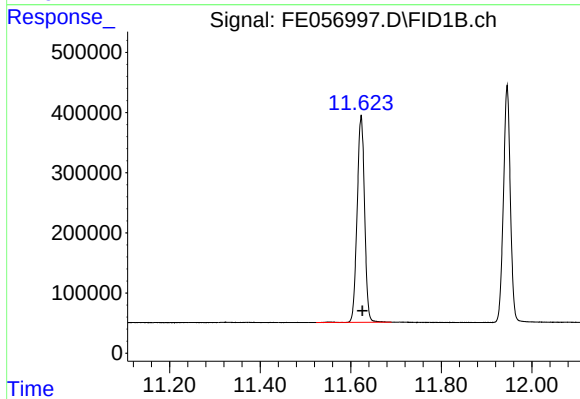
#6 n-Tetradecane (C14)

R.T.: 8.562 min
Delta R.T.: -0.005 min
Response: 3843549
Conc: 22.02 ug/ml



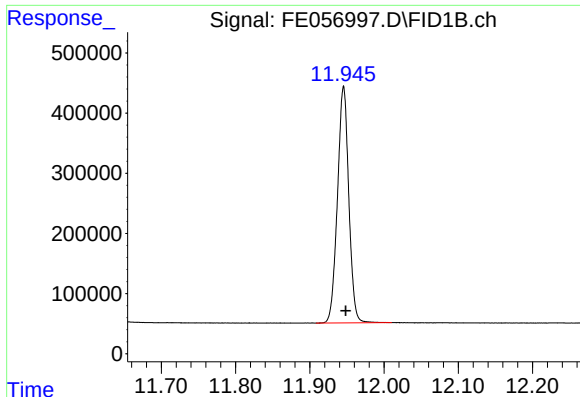
#7 n-Hexadecane (C16)

R.T.: 10.175 min
Delta R.T.: -0.004 min
Response: 3914927
Conc: 21.40 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.623 min
Delta R.T.: -0.003 min
Response: 3922684
Conc: 20.73 ug/ml



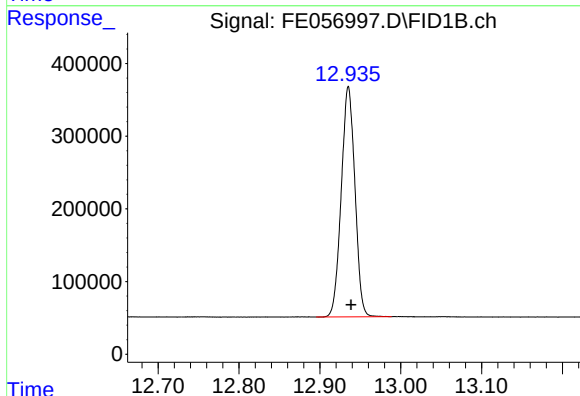
#9 ortho-Terphenyl (SURR)

R.T.: 11.945 min
Delta R.T.: -0.003 min
Response: 4161203
Conc: 19.92 ug/ml

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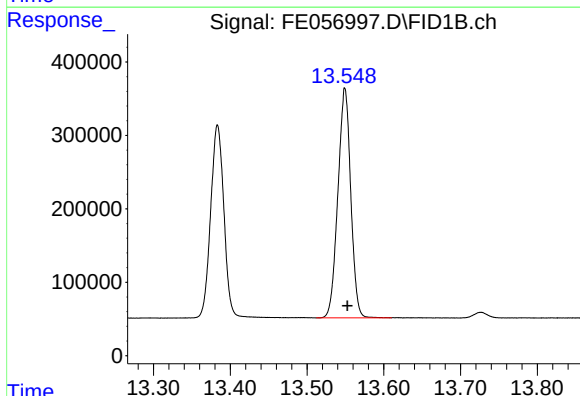
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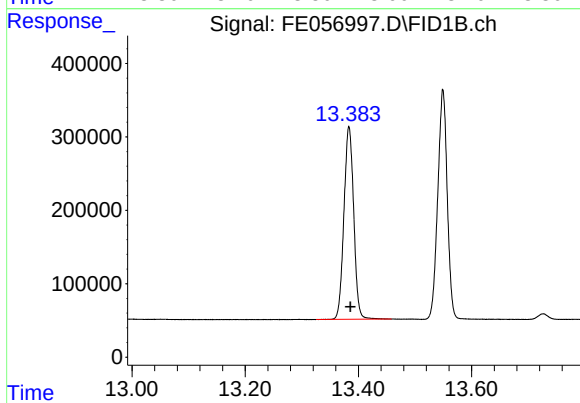
#10 n-Eicosane (C20)

R.T.: 12.935 min
Delta R.T.: -0.003 min
Response: 3720238
Conc: 19.96 ug/ml



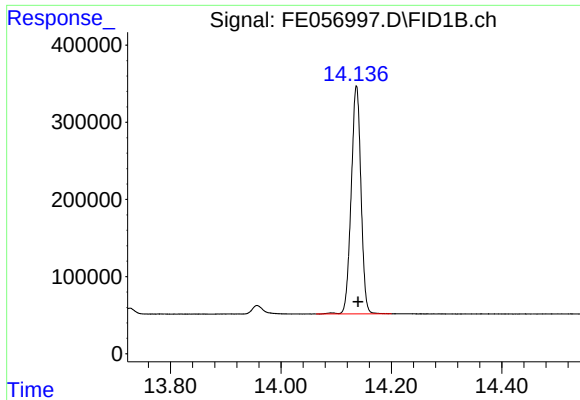
#11 n-Heneicosane (C21)

R.T.: 13.549 min
Delta R.T.: -0.003 min
Response: 3638820
Conc: 19.79 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.384 min
Delta R.T.: -0.003 min
Response: 3145586
Conc: 19.52 ug/ml



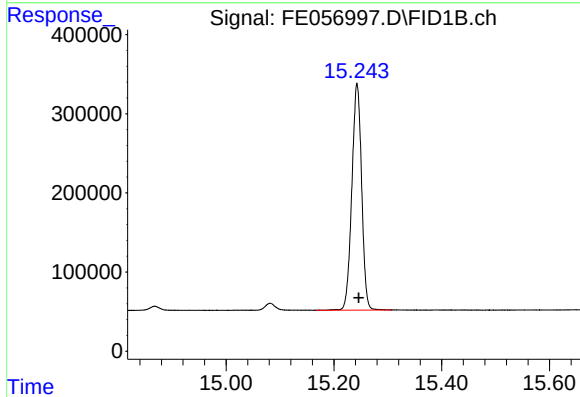
#13 n-Docosane (C22)

R.T.: 14.137 min
Delta R.T.: -0.003 min
Response: 3625036
Conc: 19.36 ug/ml

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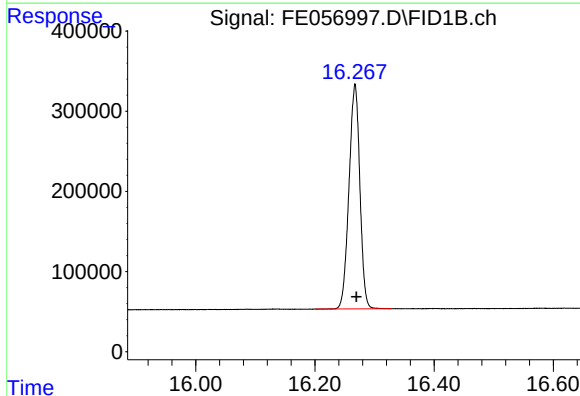
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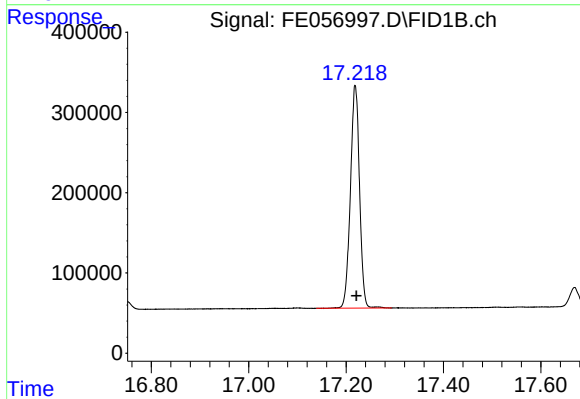
#14 n-Tetracosane (C24)

R.T.: 15.243 min
Delta R.T.: -0.003 min
Response: 3601265
Conc: 18.39 ug/ml



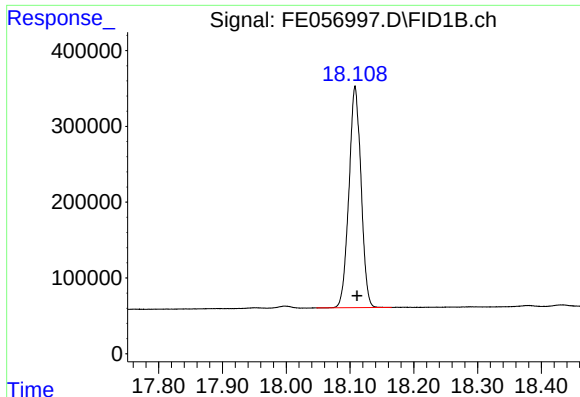
#15 n-Hexacosane (C26)

R.T.: 16.267 min
Delta R.T.: -0.002 min
Response: 3551609
Conc: 18.28 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.219 min
Delta R.T.: -0.002 min
Response: 3614191
Conc: 18.66 ug/ml



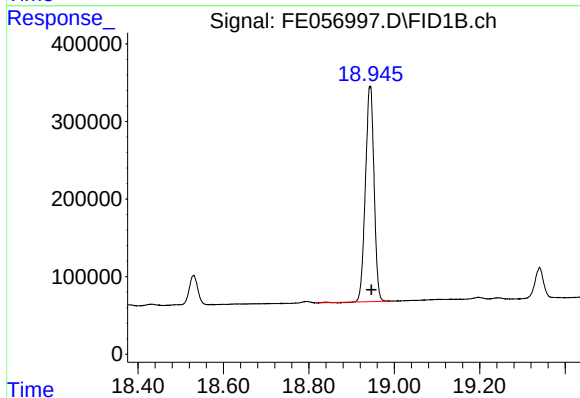
#17 n-Tricontane (C30)

R.T.: 18.108 min
Delta R.T.: -0.003 min
Response: 3854875
Conc: 19.23 ug/ml

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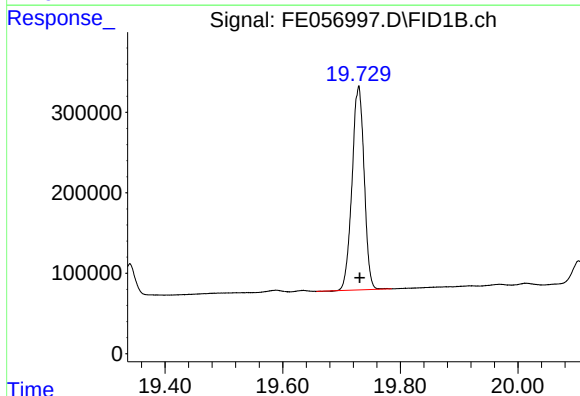
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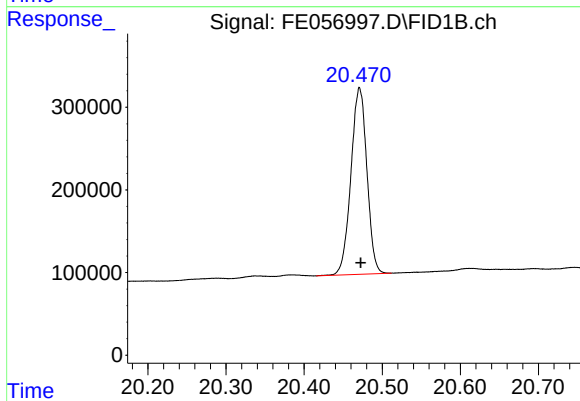
#18 n-Dotriacontane (C32)

R.T.: 18.943 min
Delta R.T.: -0.003 min
Response: 3897784
Conc: 19.82 ug/ml



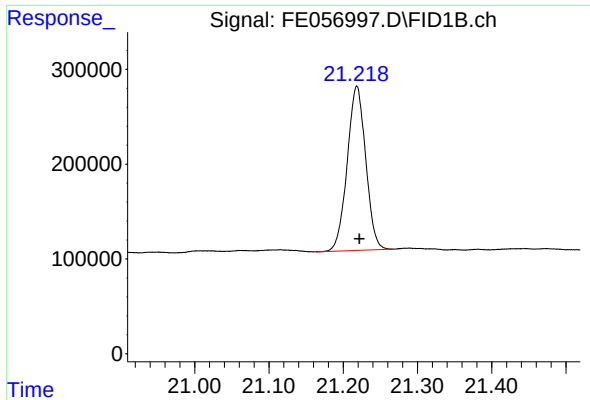
#19 n-Tetratriacontane (C34)

R.T.: 19.729 min
Delta R.T.: -0.002 min
Response: 3621015
Conc: 20.98 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.471 min
Delta R.T.: -0.002 min
Response: 3204299
Conc: 22.15 ug/ml



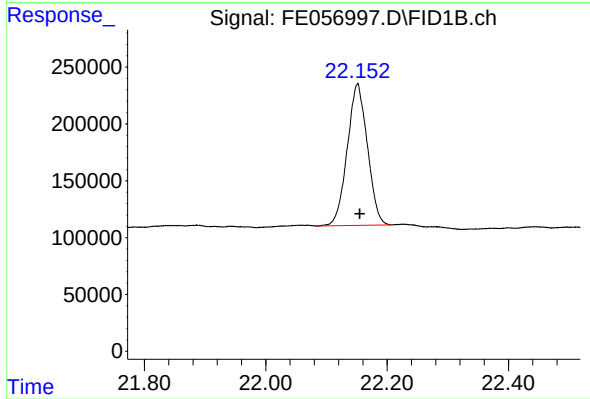
#21 n-Octatriacontane (C38)

R.T.: 21.218 min
Delta R.T.: -0.003 min
Response: 2996197
Conc: 23.81 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.152 min
Delta R.T.: -0.003 min
Response: 2871799
Conc: 24.84 ug/ml m