

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111025AL\
 Data File : FE056727.D
 Signal(s) : FID1B.ch
 Acq On : 10 Nov 2025 23:41
 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 11/11/2025
 Supervised By :Yogesh Patel 11/11/2025

Integration File: autoint1.e
 Quant Time: Nov 11 00:50:31 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)	11.965	3922486	18.776 ug/ml
Spiked Amount 50.000		Recovery =	37.55%
12) S 1-chlorooctadecane (S...	13.403	2981160	18.503 ug/ml
Spiked Amount 50.000		Recovery =	37.01%
Target Compounds			
1) T n-Nonane (C9)	3.320	3325108	19.797 ug/ml
2) T n-Decane (C10)	4.572	3472538	20.237 ug/ml
3) T A~Naphthalene (C11.7)	6.287	3592625	19.463 ug/ml
4) T n-Dodecane (C12)	6.745	3576755	20.564 ug/ml
5) T A~2-methylnaphthalene...	7.387	3426801	19.336 ug/ml
6) T n-Tetradecane (C14)	8.580	3533060	20.241 ug/ml
7) T n-Hexadecane (C16)	10.193	3630090	19.841 ug/ml
8) T n-Octadecane (C18)	11.642	3667990	19.380 ug/ml
10) T n-Eicosane (C20)	12.956	3503452	18.799 ug/ml
11) T n-Heneicosane (C21)	13.570	3412718	18.559 ug/ml
13) T n-Docosane (C22)	14.158	3415546	18.245 ug/ml
14) T n-Tetracosane (C24)	15.265	3442801	17.578 ug/ml
15) T n-Hexacosane (C26)	16.290	3362558	17.303 ug/ml
16) T n-Octacosane (C28)	17.241	3321137	17.149 ug/ml
17) T n-Tricontane (C30)	18.132	3456192	17.238 ug/ml
18) T n-Dotriacontane (C32)	18.967	3436360	17.475 ug/ml
19) T n-Tetratriacontane (C34)	19.754	3108491	18.009 ug/ml
20) T n-Hexatriacontane (C36)	20.496	2742677	18.960 ug/ml
21) T n-Octatriacontane (C38)	21.248	2424896	19.266 ug/ml
22) T n-Tetracontane (C40)	22.194	2381602	20.600 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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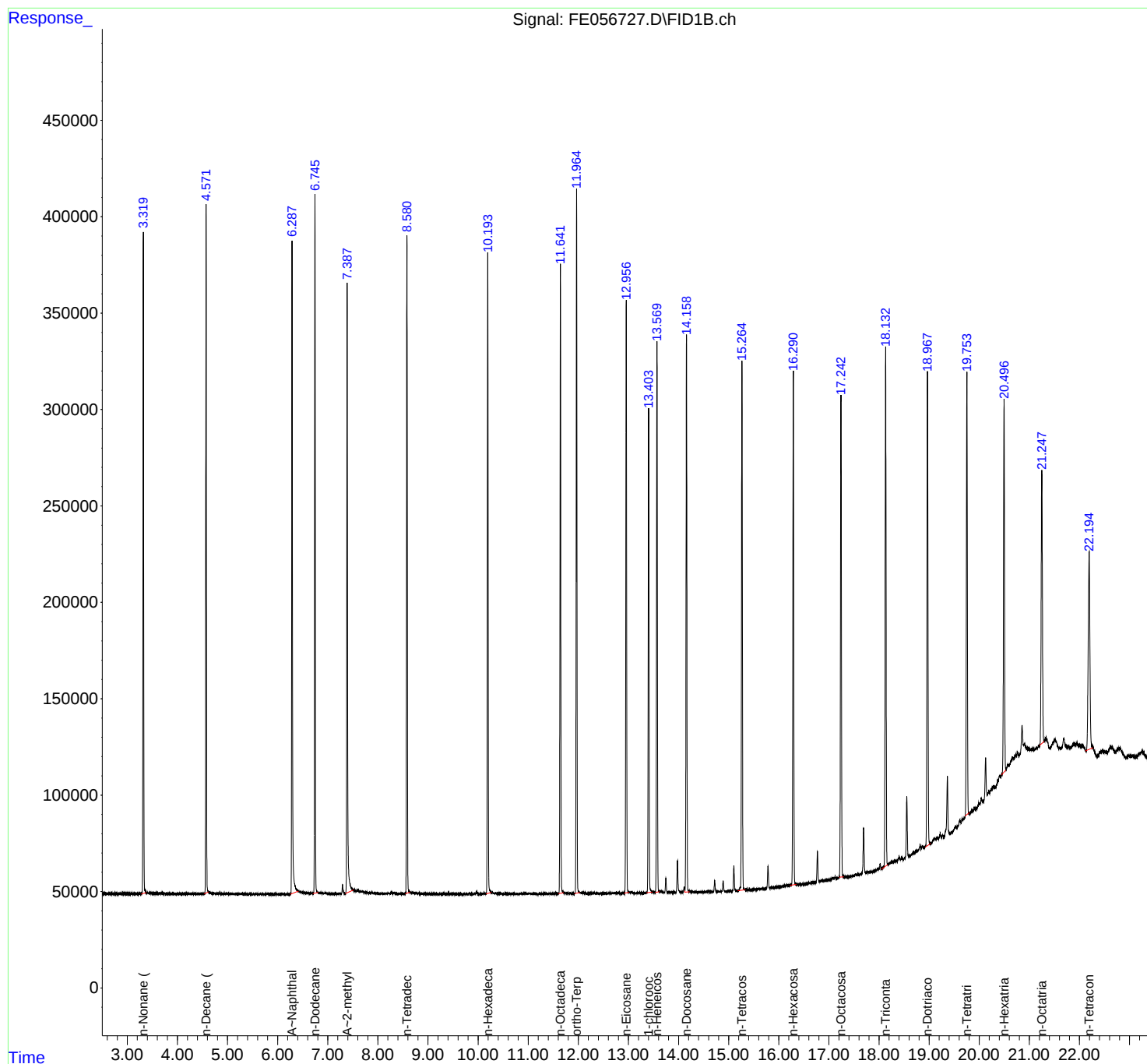
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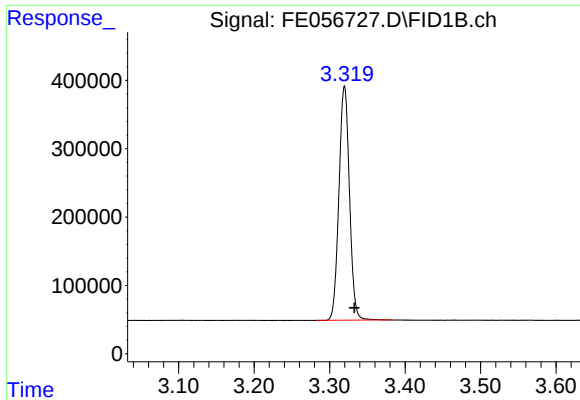
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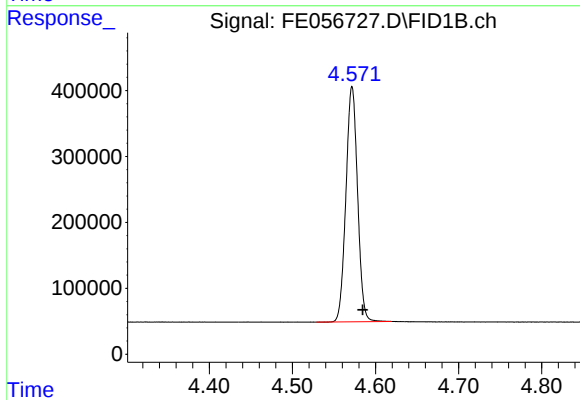
#1 n-Nonane (C9)

R.T.: 3.320 min
Delta R.T.: -0.013 min
Response: 3325108
Conc: 19.80 ug/ml

Instrument :
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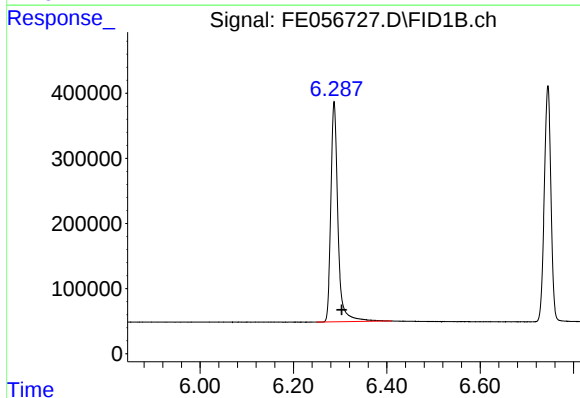
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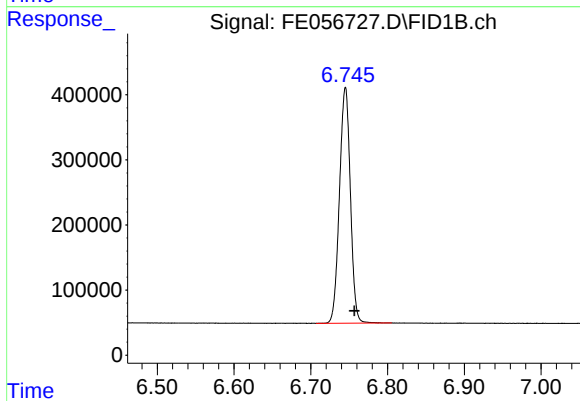
#2 n-Decane (C10)

R.T.: 4.572 min
Delta R.T.: -0.013 min
Response: 3472538
Conc: 20.24 ug/ml



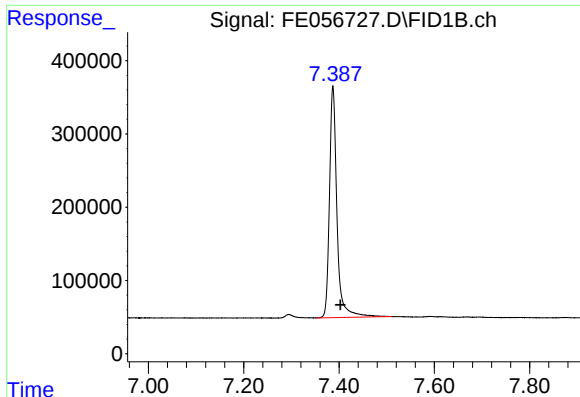
#3 A~Naphthalene (C11.7)

R.T.: 6.287 min
Delta R.T.: -0.016 min
Response: 3592625
Conc: 19.46 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.745 min
Delta R.T.: -0.012 min
Response: 3576755
Conc: 20.56 ug/ml



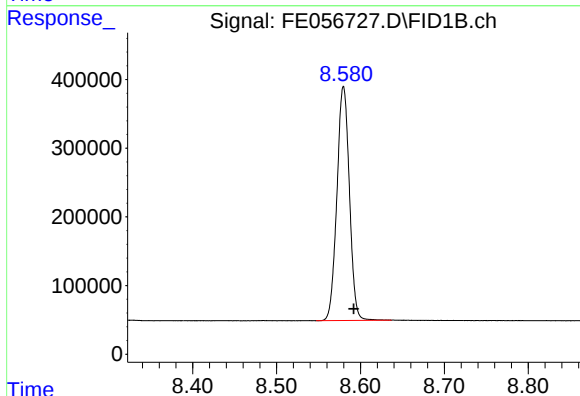
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.387 min
Delta R.T.: -0.016 min
Response: 3426801
Conc: 19.34 ug/ml

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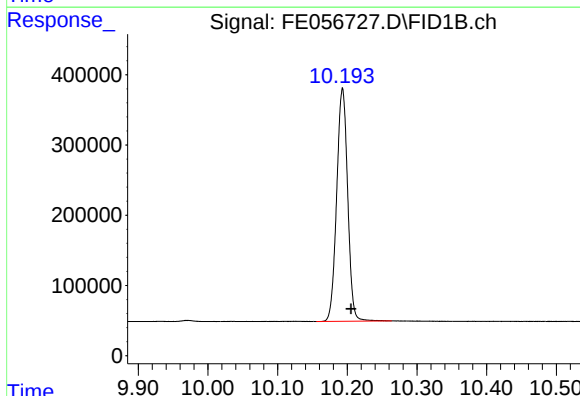
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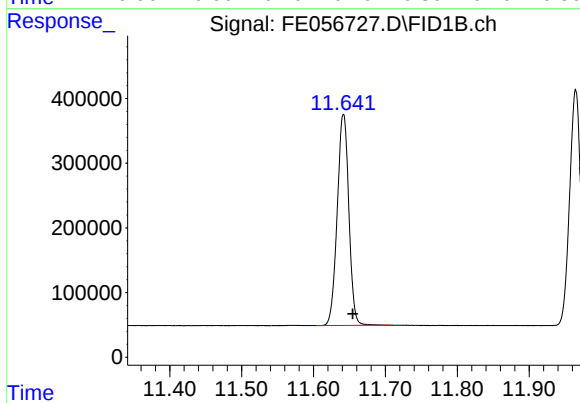
#6 n-Tetradecane (C14)

R.T.: 8.580 min
Delta R.T.: -0.012 min
Response: 3533060
Conc: 20.24 ug/ml



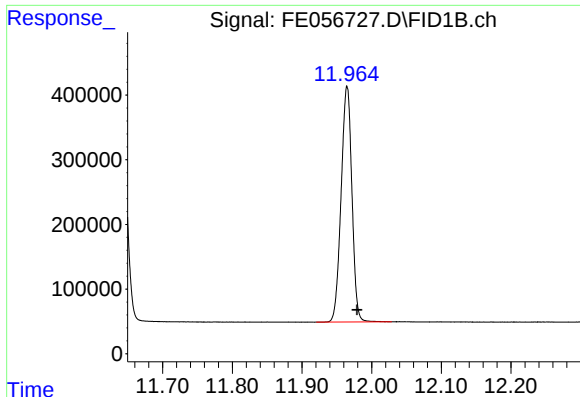
#7 n-Hexadecane (C16)

R.T.: 10.193 min
Delta R.T.: -0.012 min
Response: 3630090
Conc: 19.84 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.642 min
Delta R.T.: -0.013 min
Response: 3667990
Conc: 19.38 ug/ml



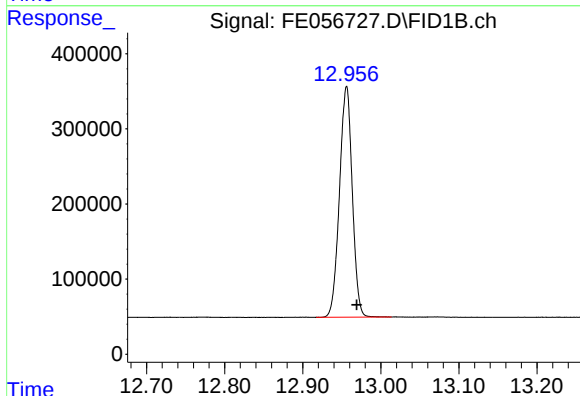
#9 ortho-Terphenyl (SURR)

R.T.: 11.965 min
Delta R.T.: -0.014 min
Response: 3922486
Conc: 18.78 ug/ml

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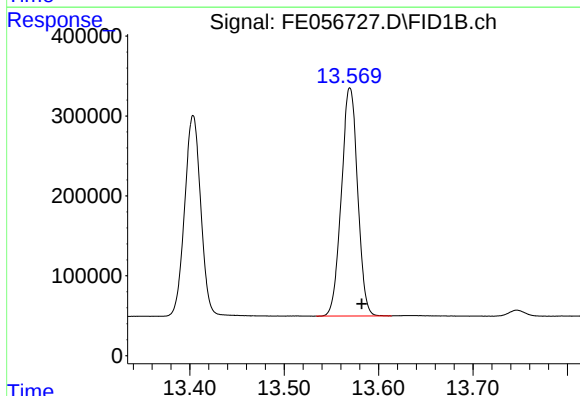
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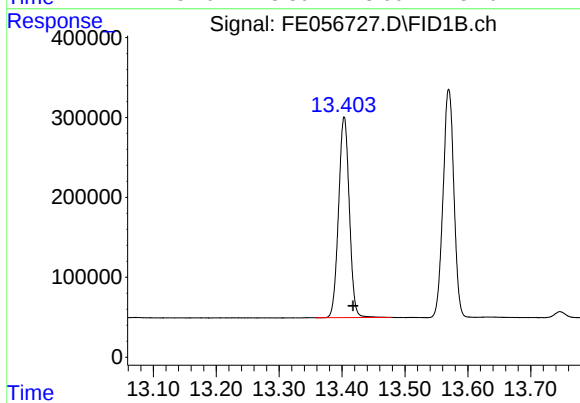
#10 n-Eicosane (C20)

R.T.: 12.956 min
Delta R.T.: -0.013 min
Response: 3503452
Conc: 18.80 ug/ml



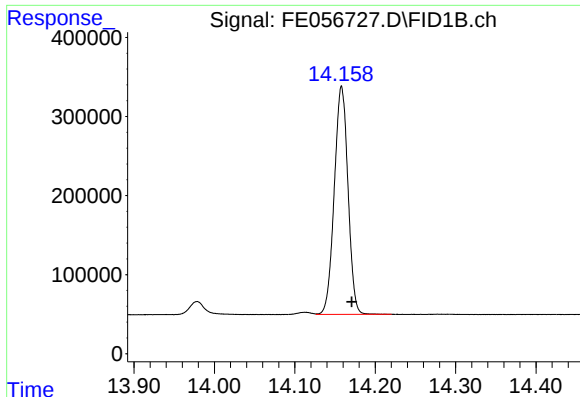
#11 n-Heneicosane (C21)

R.T.: 13.570 min
Delta R.T.: -0.013 min
Response: 3412718
Conc: 18.56 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.403 min
Delta R.T.: -0.014 min
Response: 2981160
Conc: 18.50 ug/ml



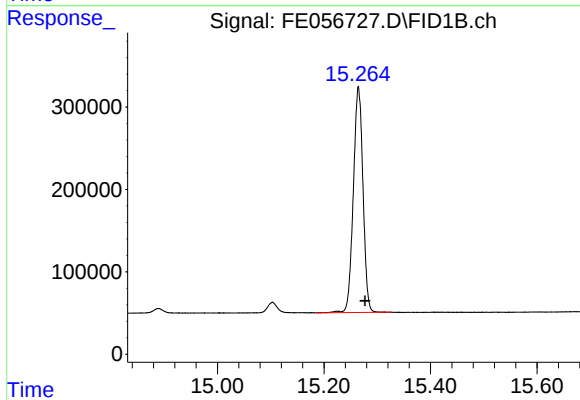
#13 n-Docosane (C22)

R.T.: 14.158 min
Delta R.T.: -0.013 min
Response: 3415546
Conc: 18.25 ug/ml

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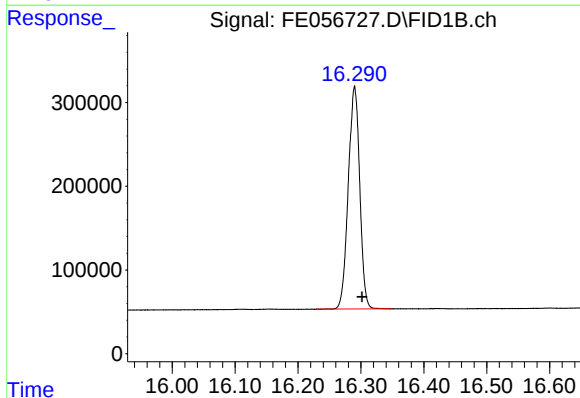
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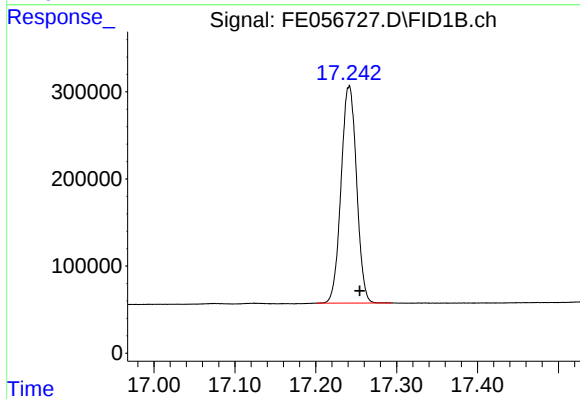
#14 n-Tetracosane (C24)

R.T.: 15.265 min
Delta R.T.: -0.013 min
Response: 3442801
Conc: 17.58 ug/ml



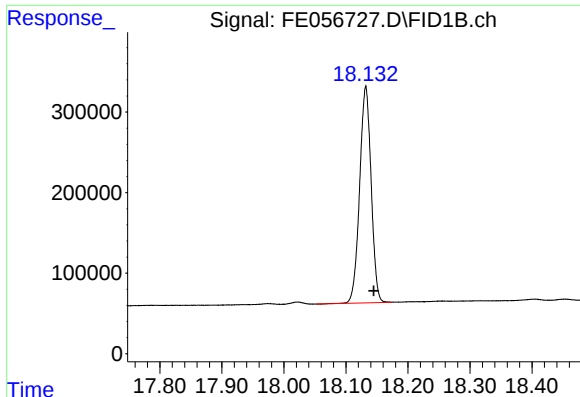
#15 n-Hexacosane (C26)

R.T.: 16.290 min
Delta R.T.: -0.012 min
Response: 3362558
Conc: 17.30 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.241 min
Delta R.T.: -0.013 min
Response: 3321137
Conc: 17.15 ug/ml



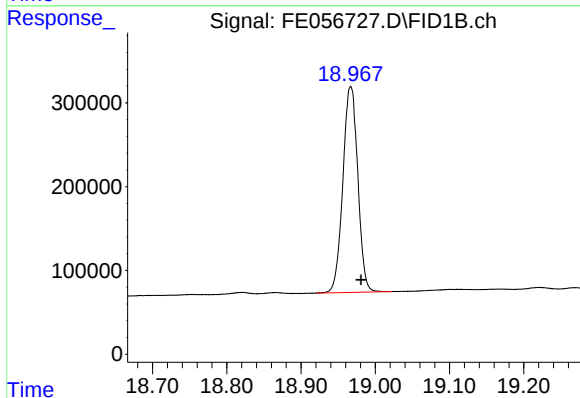
#17 n-Tricontane (C30)

R.T.: 18.132 min
Delta R.T.: -0.013 min
Response: 3456192
Conc: 17.24 ug/ml

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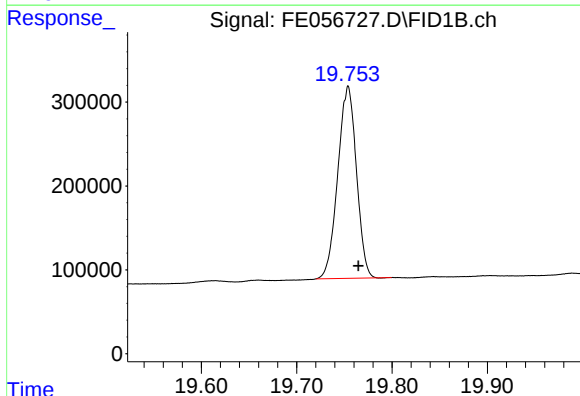
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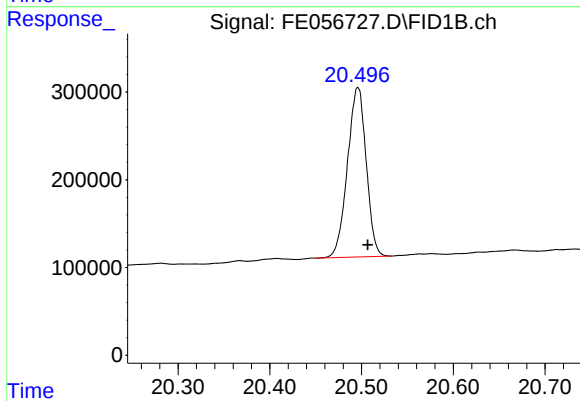
#18 n-Dotriacontane (C32)

R.T.: 18.967 min
Delta R.T.: -0.014 min
Response: 3436360
Conc: 17.47 ug/ml



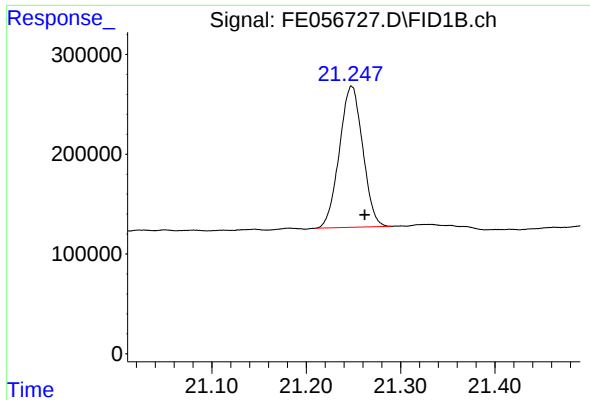
#19 n-Tetratriacontane (C34)

R.T.: 19.754 min
Delta R.T.: -0.011 min
Response: 3108491
Conc: 18.01 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.496 min
Delta R.T.: -0.011 min
Response: 2742677
Conc: 18.96 ug/ml



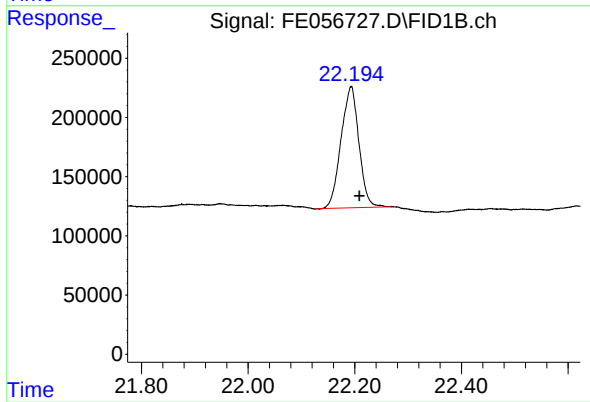
#21 n-Octatriacontane (C38)

R.T.: 21.248 min
Delta R.T.: -0.014 min
Response: 2424896
Conc: 19.27 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.194 min
Delta R.T.: -0.015 min
Response: 2381602
Conc: 20.60 ug/ml m