

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111125AL\
 Data File : FE056741.D
 Signal(s) : FID1B.ch
 Acq On : 11 Nov 2025 20:14
 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 11/12/2025
 Supervised By :Yogesh Patel 11/12/2025

Integration File: sample.E
 Quant Time: Nov 12 01:41:21 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)	11.960	4152357	19.876 ug/ml
Spiked Amount 50.000		Recovery =	39.75%
12) S 1-chlorooctadecane (S...	13.398	3153060	19.570 ug/ml
Spiked Amount 50.000		Recovery =	39.14%
Target Compounds			
1) T n-Nonane (C9)	3.319	3493827	20.801 ug/ml
2) T n-Decane (C10)	4.571	3658829	21.323 ug/ml
3) T A~Naphthalene (C11.7)	6.286	3806053	20.620 ug/ml
4) T n-Dodecane (C12)	6.743	3759553	21.615 ug/ml
5) T A~2-methylnaphthalene...	7.385	3628340	20.473 ug/ml
6) T n-Tetradecane (C14)	8.577	3722655	21.327 ug/ml
7) T n-Hexadecane (C16)	10.189	3841922	20.999 ug/ml
8) T n-Octadecane (C18)	11.637	3887812	20.541 ug/ml
10) T n-Eicosane (C20)	12.951	3708383	19.899 ug/ml
11) T n-Heneicosane (C21)	13.564	3616686	19.669 ug/ml
13) T n-Docosane (C22)	14.152	3613674	19.304 ug/ml
14) T n-Tetracosane (C24)	15.259	3650084	18.636 ug/ml
15) T n-Hexacosane (C26)	16.283	3557851	18.308 ug/ml
16) T n-Octacosane (C28)	17.236	3509609	18.122 ug/ml
17) T n-Tricontane (C30)	18.127	3682777	18.368 ug/ml
18) T n-Dotriacontane (C32)	18.963	3681737	18.722 ug/ml
19) T n-Tetratriacontane (C34)	19.749	3314323	19.201 ug/ml
20) T n-Hexatriacontane (C36)	20.490	2955856	20.434 ug/ml
21) T n-Octatriacontane (C38)	21.244	2665059	21.175 ug/mlm
22) T n-Tetracontane (C40)	22.185	2708379	23.426 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 3 Sample Multiplier: 1

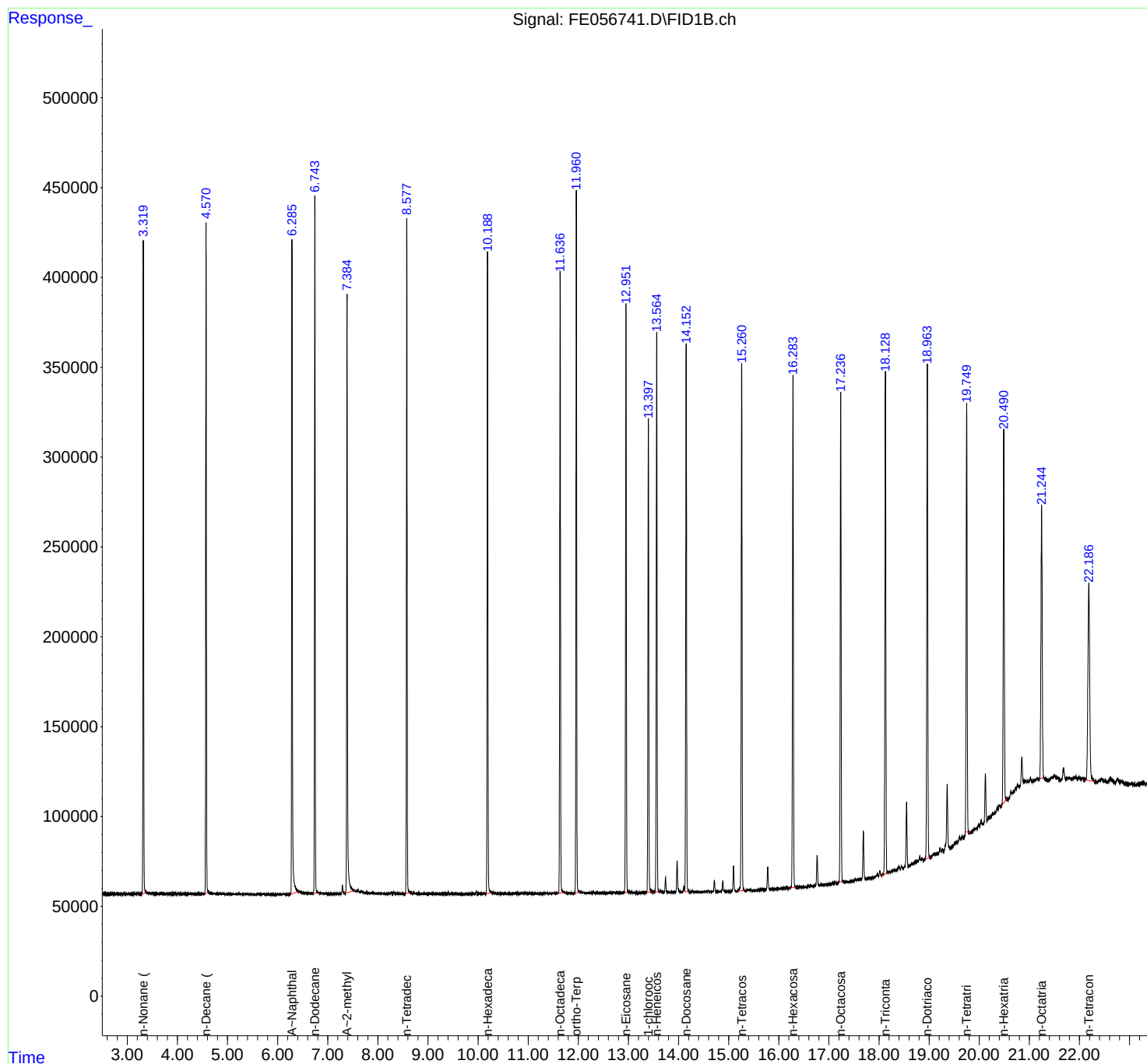
Instrument :
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20 PPM ALIPHATIC HC STD

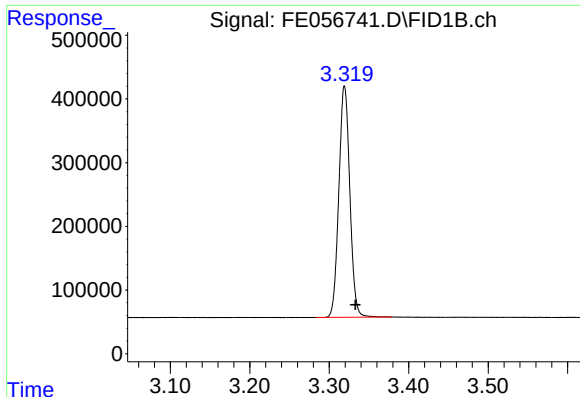
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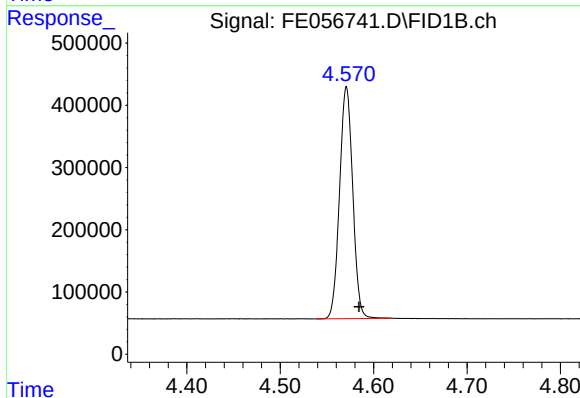
#1 n-Nonane (C9)

R.T.: 3.319 min
Delta R.T.: -0.014 min
Response: 3493827
Conc: 20.80 ug/ml

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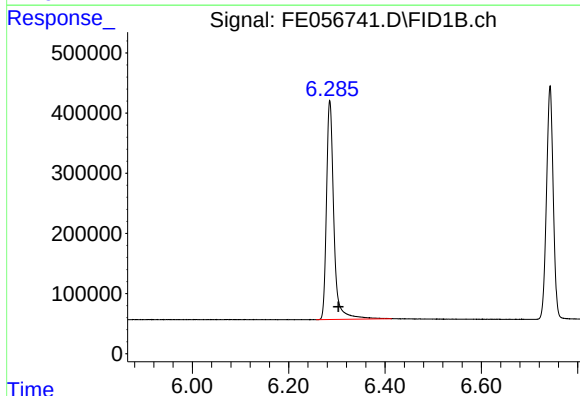
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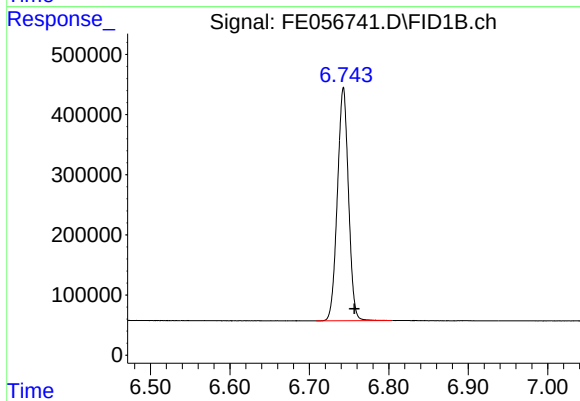
#2 n-Decane (C10)

R.T.: 4.571 min
Delta R.T.: -0.014 min
Response: 3658829
Conc: 21.32 ug/ml



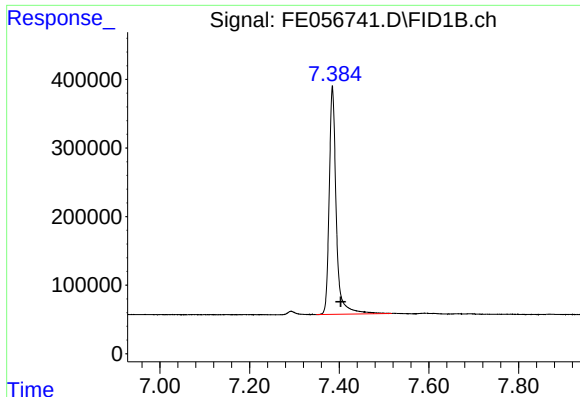
#3 A~Naphthalene (C11.7)

R.T.: 6.286 min
Delta R.T.: -0.018 min
Response: 3806053
Conc: 20.62 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.743 min
Delta R.T.: -0.014 min
Response: 3759553
Conc: 21.62 ug/ml



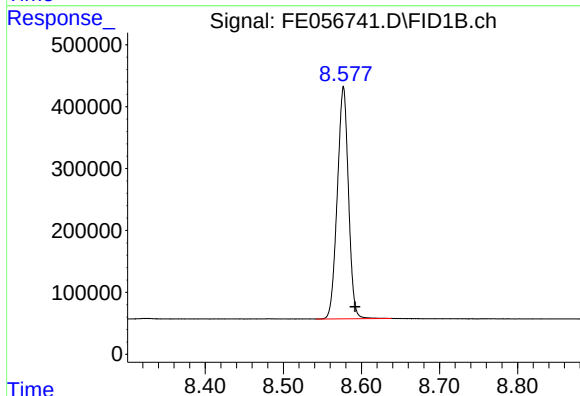
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.385 min
Delta R.T.: -0.018 min
Response: 3628340
Conc: 20.47 ug/ml

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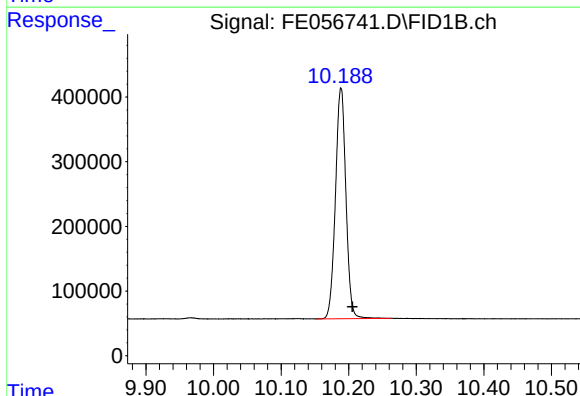
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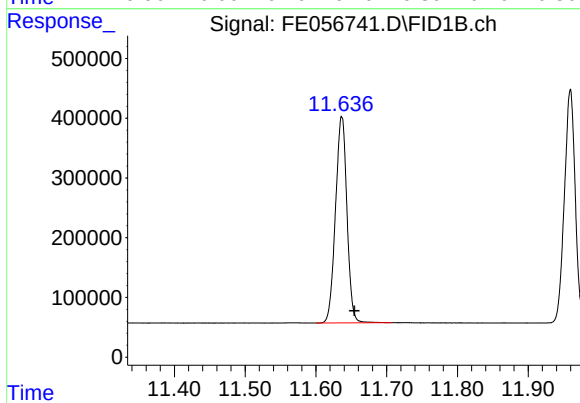
#6 n-Tetradecane (C14)

R.T.: 8.577 min
Delta R.T.: -0.015 min
Response: 3722655
Conc: 21.33 ug/ml



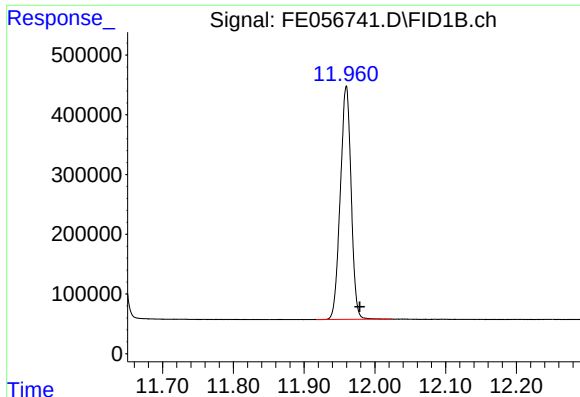
#7 n-Hexadecane (C16)

R.T.: 10.189 min
Delta R.T.: -0.017 min
Response: 3841922
Conc: 21.00 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.637 min
Delta R.T.: -0.018 min
Response: 3887812
Conc: 20.54 ug/ml



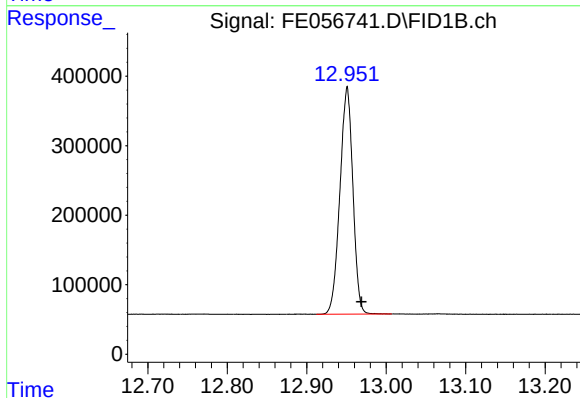
#9 ortho-Terphenyl (SURR)

R.T.: 11.960 min
Delta R.T.: -0.019 min
Response: 4152357
Conc: 19.88 ug/ml

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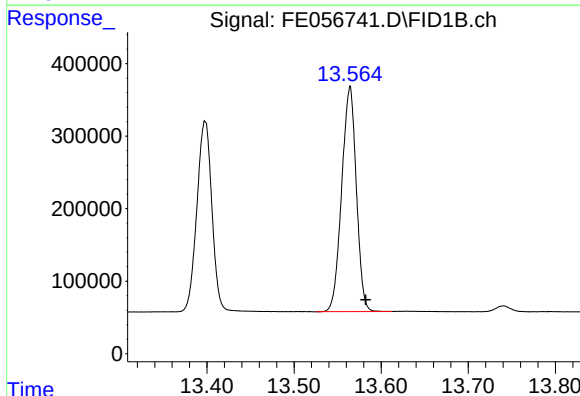
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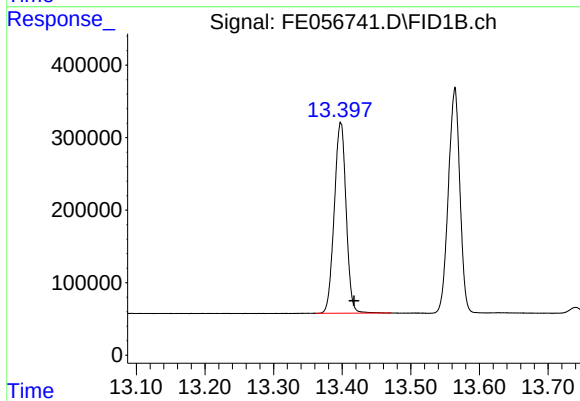
#10 n-Eicosane (C20)

R.T.: 12.951 min
Delta R.T.: -0.018 min
Response: 3708383
Conc: 19.90 ug/ml



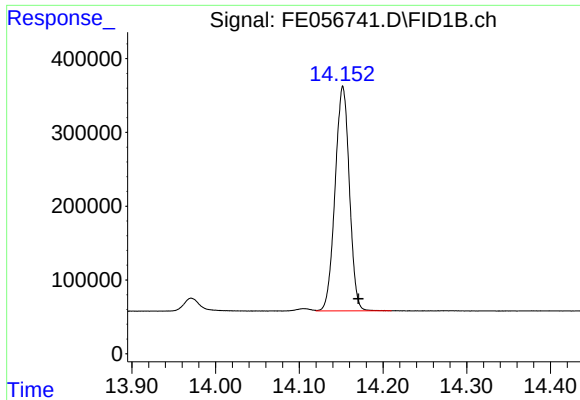
#11 n-Heneicosane (C21)

R.T.: 13.564 min
Delta R.T.: -0.018 min
Response: 3616686
Conc: 19.67 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.398 min
Delta R.T.: -0.020 min
Response: 3153060
Conc: 19.57 ug/ml



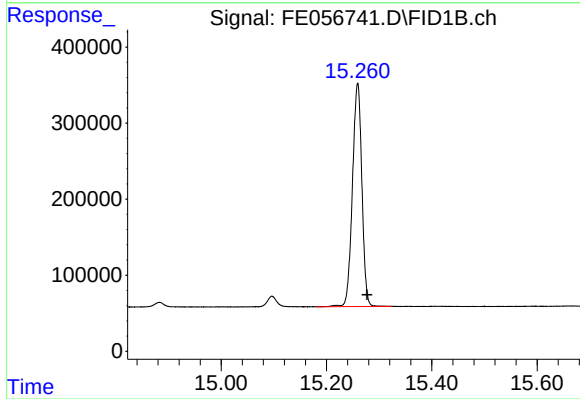
#13 n-Docosane (C22)

R.T.: 14.152 min
Delta R.T.: -0.019 min
Response: 3613674
Conc: 19.30 ug/ml

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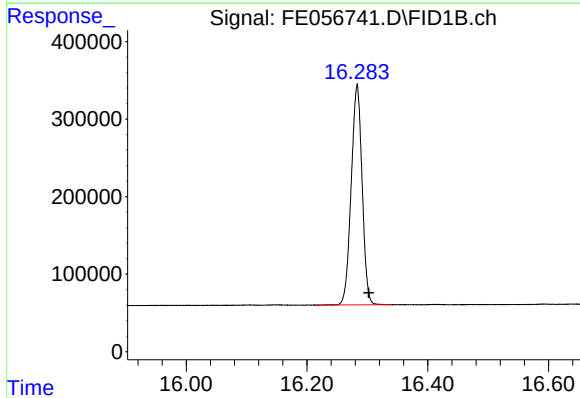
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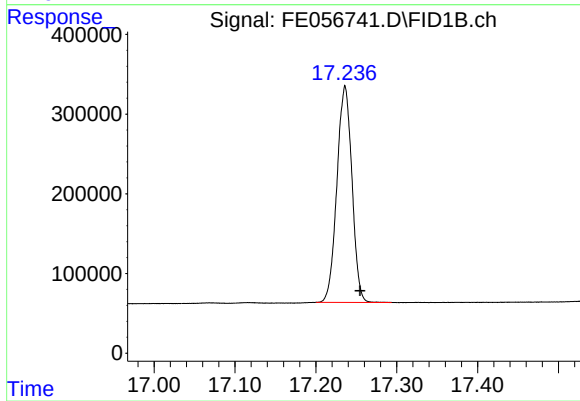
#14 n-Tetracosane (C24)

R.T.: 15.259 min
Delta R.T.: -0.018 min
Response: 3650084
Conc: 18.64 ug/ml



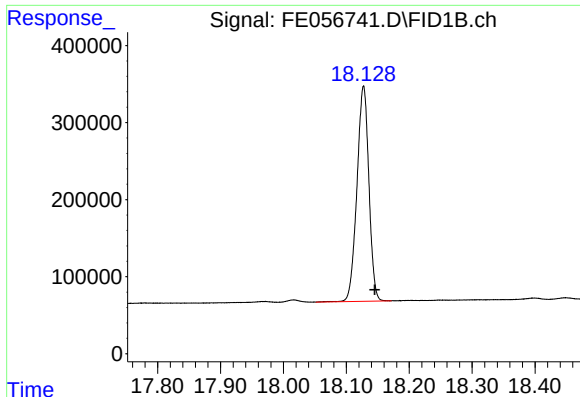
#15 n-Hexacosane (C26)

R.T.: 16.283 min
Delta R.T.: -0.019 min
Response: 3557851
Conc: 18.31 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.236 min
Delta R.T.: -0.019 min
Response: 3509609
Conc: 18.12 ug/ml



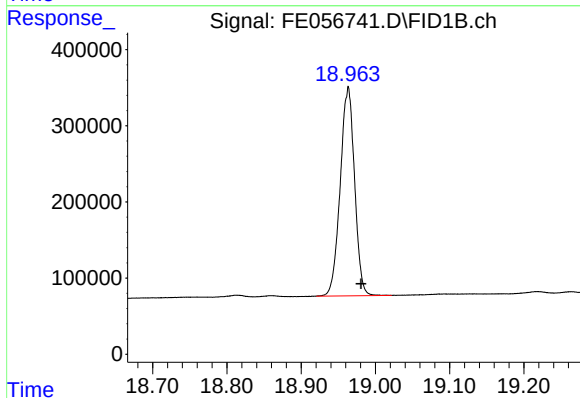
#17 n-Tricontane (C30)

R.T.: 18.127 min
Delta R.T.: -0.018 min
Response: 3682777
Conc: 18.37 ug/ml

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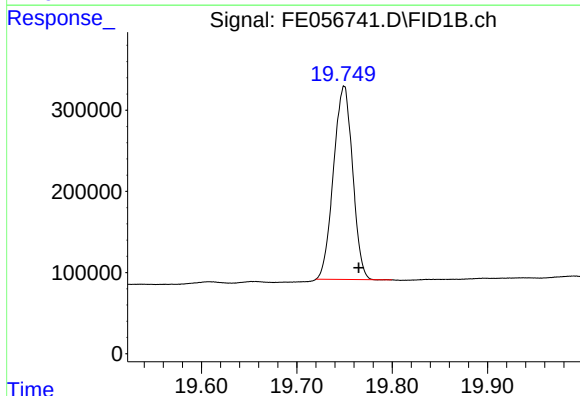
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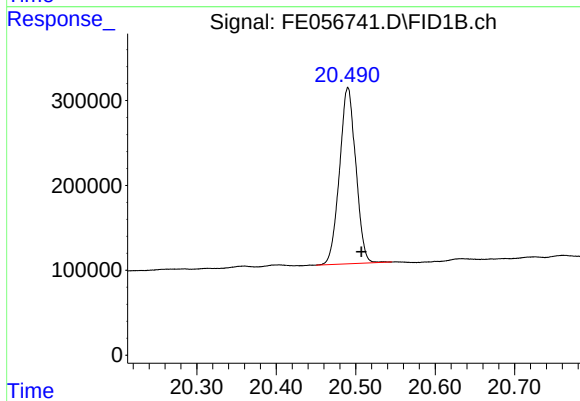
#18 n-Dotriacontane (C32)

R.T.: 18.963 min
Delta R.T.: -0.017 min
Response: 3681737
Conc: 18.72 ug/ml



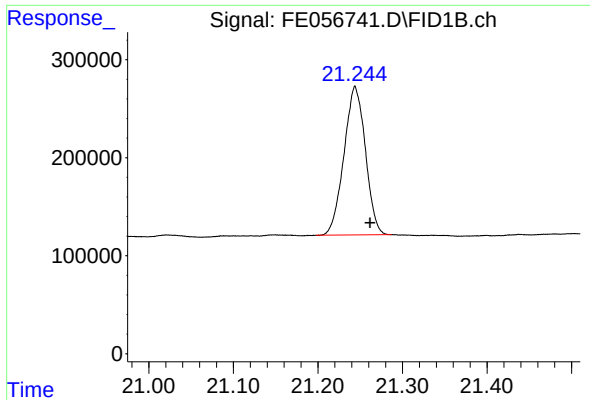
#19 n-Tetratriacontane (C34)

R.T.: 19.749 min
Delta R.T.: -0.016 min
Response: 3314323
Conc: 19.20 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.490 min
Delta R.T.: -0.017 min
Response: 2955856
Conc: 20.43 ug/ml



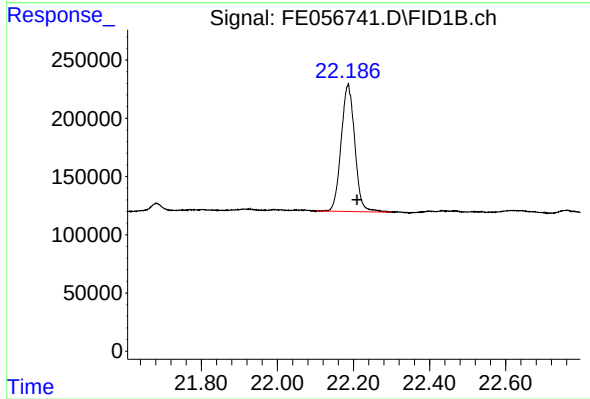
#21 n-Octatriacontane (C38)

R.T.: 21.244 min
Delta R.T.: -0.018 min
Response: 2665059
Conc: 21.17 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.185 min
Delta R.T.: -0.023 min
Response: 2708379
Conc: 23.43 ug/ml