

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE093025AL\
 Data File : FE056101.D
 Signal(s) : FID1B.ch
 Acq On : 30 Sep 2025 21:49
 Operator : YP\AJ
 Sample : Q3249-20MSD
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 S-20(0-0.5)RMSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/01/2025
 Supervised By :mohammad ahmed 10/03/2025

Integration File: autoint1.e
 Quant Time: Oct 01 04:06:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 24 12:55:37 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)	12.075	4566241	24.334 ug/ml
Spiked Amount 50.000		Recovery =	48.67%
12) S 1-chlorooctadecane (S...	13.511	4050203	29.020 ug/ml
Spiked Amount 50.000		Recovery =	58.04%
Target Compounds			
1) T n-Nonane (C9)	3.413	2275036	16.607 ug/ml
2) T n-Decane (C10)	4.673	2696350	19.320 ug/ml
3) T A~Naphthalene (C11.7)	6.392	3732858	23.379 ug/ml
4) T n-Dodecane (C12)	6.848	3365730	23.450 ug/ml
5) T A~2-methylnaphthalene...	7.493	4065652	26.143 ug/ml
6) T n-Tetradecane (C14)	8.685	4155162	28.105 ug/ml
7) T n-Hexadecane (C16)	10.299	4773827	30.041 ug/ml
8) T n-Octadecane (C18)	11.748	5182676	30.597 ug/ml
10) T n-Eicosane (C20)	13.064	5496421	33.158 ug/ml
11) T n-Heneicosane (C21)	13.678	5417827	33.342 ug/ml
13) T n-Docosane (C22)	14.266	5512950	34.501 ug/ml
14) T n-Tetracosane (C24)	15.373	9124738	59.881 ug/ml
15) T n-Hexacosane (C26)	16.397	4463001	31.291 ug/ml
16) T n-Octacosane (C28)	17.349	4418761	31.720 ug/ml
17) T n-Tricontane (C30)	18.238	4360515	29.427 ug/mlm
18) T n-Dotriacontane (C32)	19.073	4569705	30.628 ug/ml
19) T n-Tetratriacontane (C34)	19.860	4603431	32.544 ug/ml
20) T n-Hexatriacontane (C36)	20.601	4623965	36.020 ug/ml
21) T n-Octatriacontane (C38)	21.379	4924671	37.495 ug/ml
22) T n-Tetracontane (C40)	22.369	4865408	40.897 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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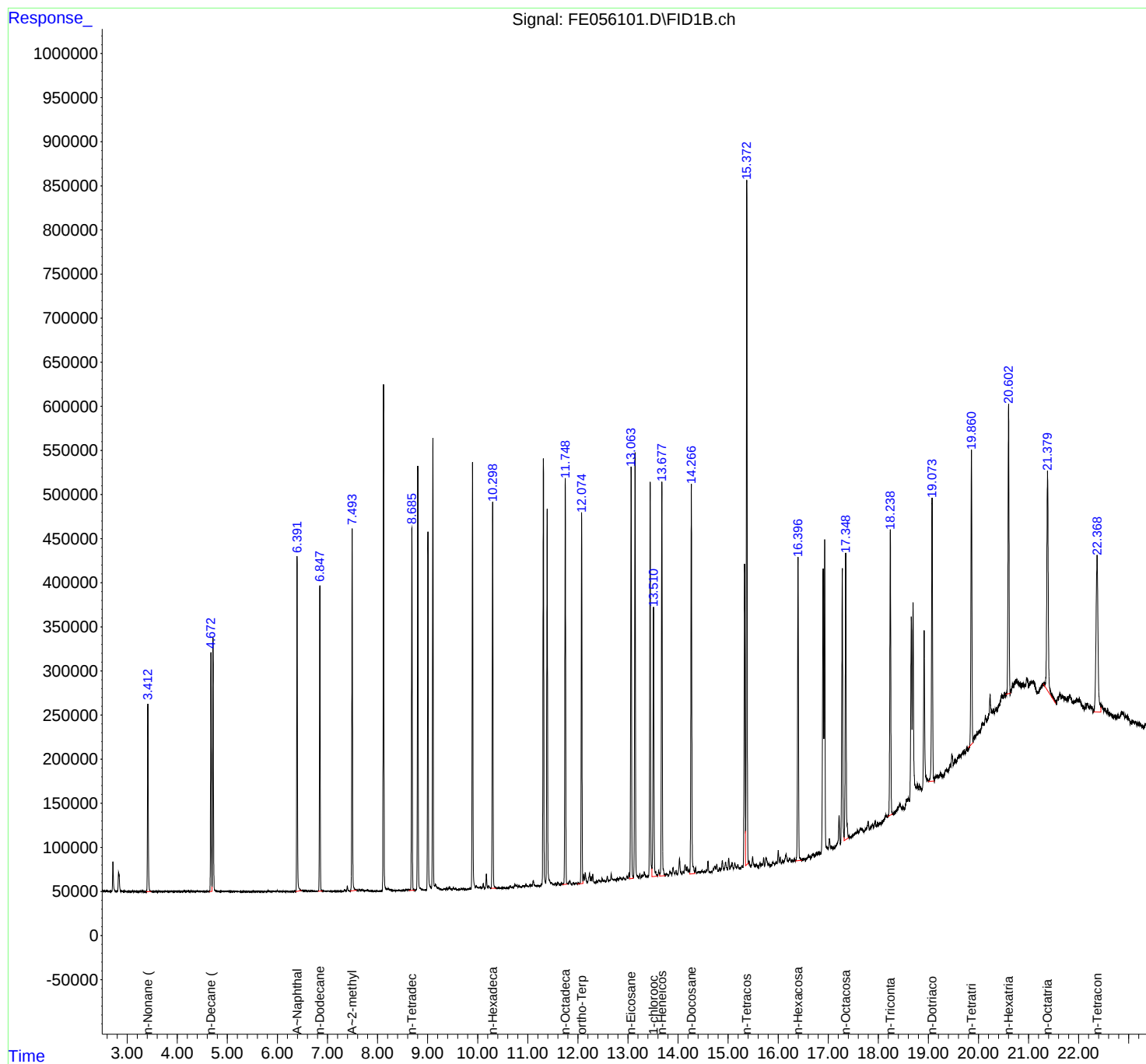
Instrument :
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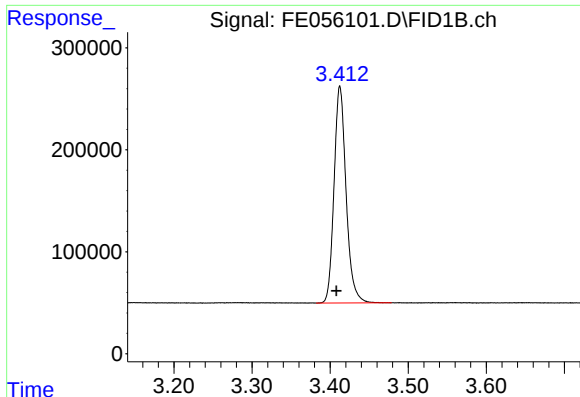
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Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 3.413 min
Delta R.T.: 0.005 min
Response: 2275036
Conc: 16.61 ug/ml

Instrument :

FID_E

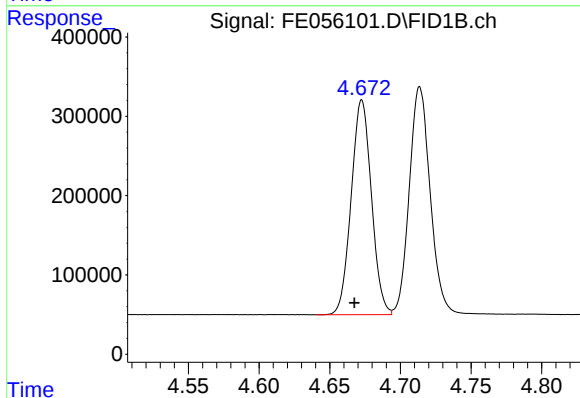
ClientSampleId :

S-20(0-0.5)RMSD

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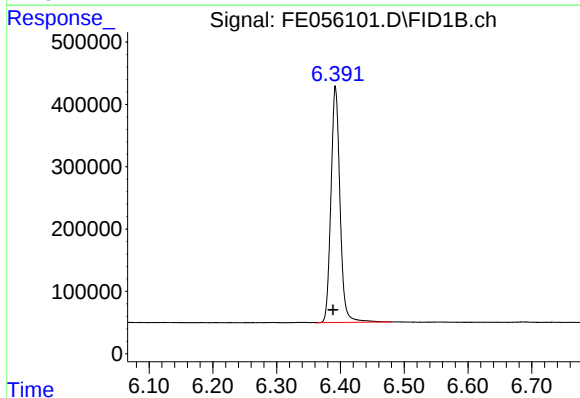
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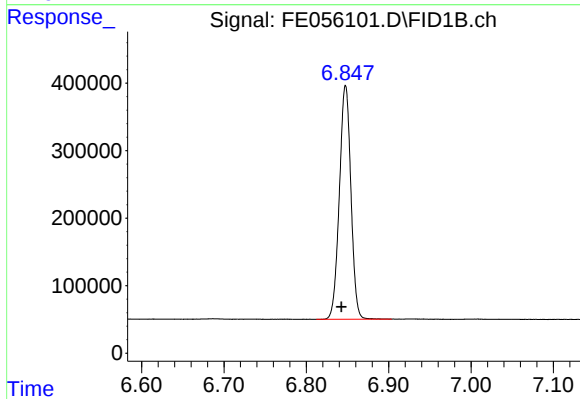
#2 n-Decane (C10)

R.T.: 4.673 min
Delta R.T.: 0.005 min
Response: 2696350
Conc: 19.32 ug/ml



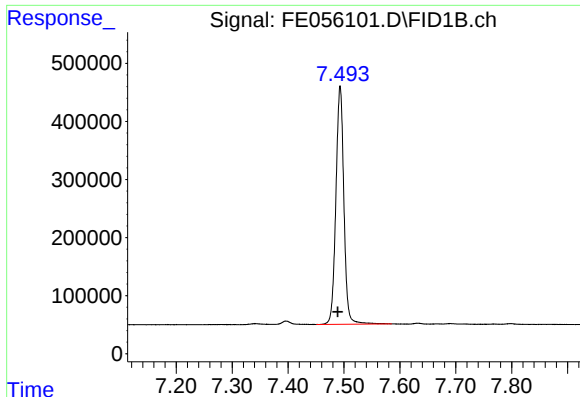
#3 A~Naphthalene (C11.7)

R.T.: 6.392 min
Delta R.T.: 0.004 min
Response: 3732858
Conc: 23.38 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.848 min
Delta R.T.: 0.005 min
Response: 3365730
Conc: 23.45 ug/ml



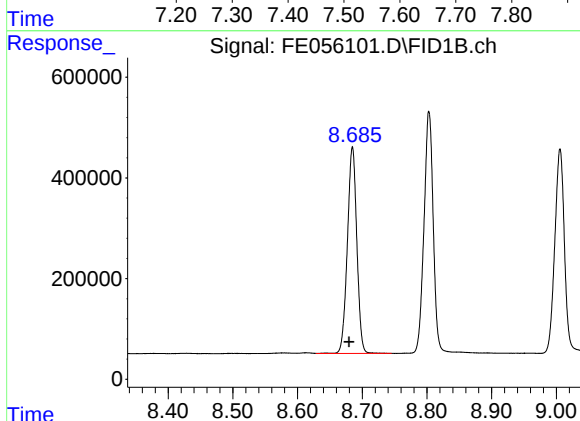
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.493 min
Delta R.T.: 0.004 min
Response: 4065652
Conc: 26.14 ug/ml

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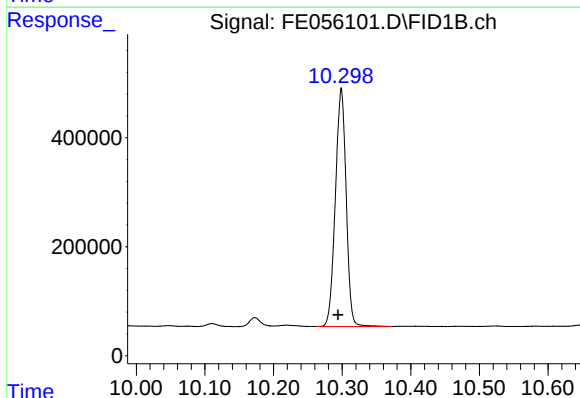
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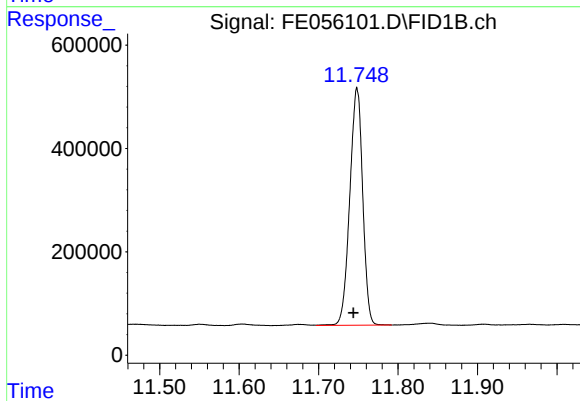
#6 n-Tetradecane (C14)

R.T.: 8.685 min
Delta R.T.: 0.005 min
Response: 4155162
Conc: 28.10 ug/ml



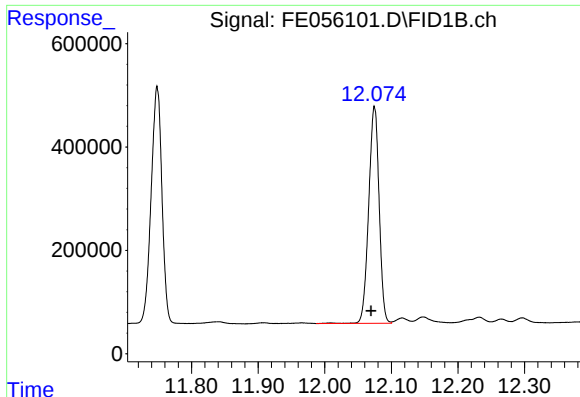
#7 n-Hexadecane (C16)

R.T.: 10.299 min
Delta R.T.: 0.004 min
Response: 4773827
Conc: 30.04 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.748 min
Delta R.T.: 0.004 min
Response: 5182676
Conc: 30.60 ug/ml



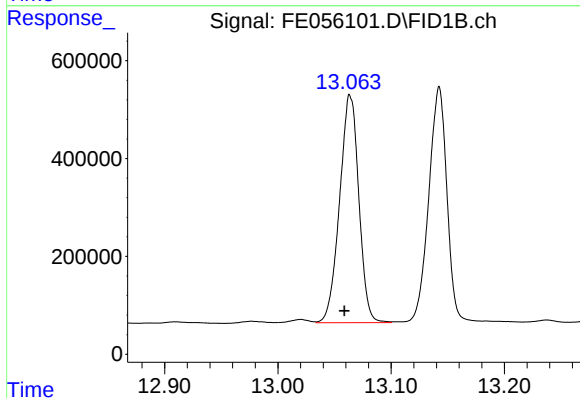
#9 ortho-Terphenyl (SURR)

R.T.: 12.075 min
Delta R.T.: 0.005 min
Response: 4566241
Conc: 24.33 ug/ml

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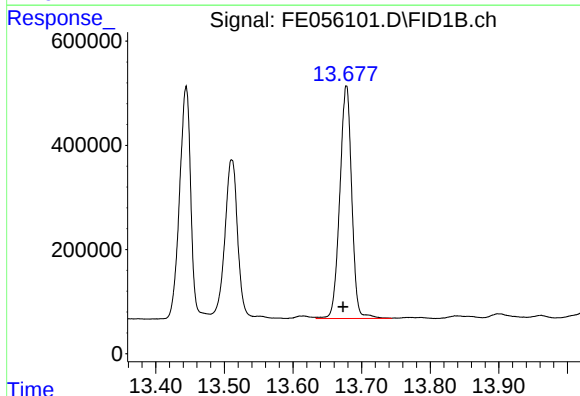
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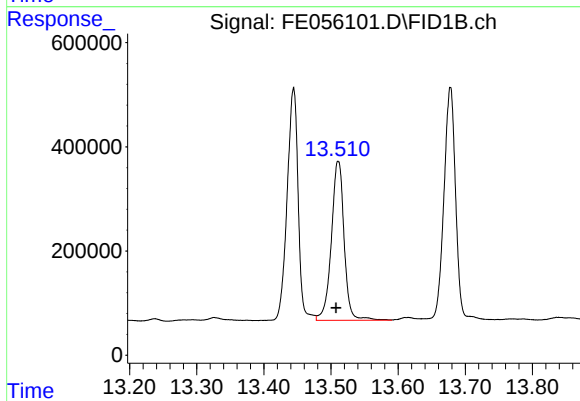
#10 n-Eicosane (C20)

R.T.: 13.064 min
Delta R.T.: 0.005 min
Response: 5496421
Conc: 33.16 ug/ml



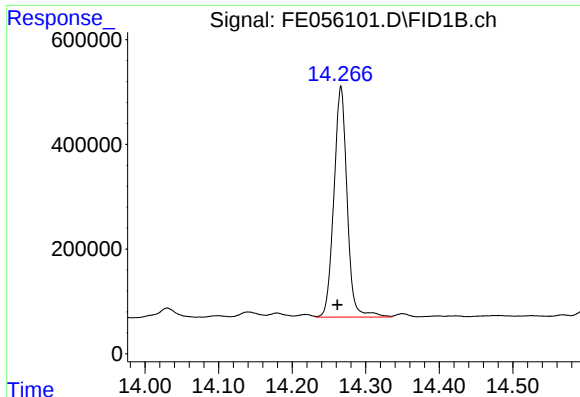
#11 n-Heneicosane (C21)

R.T.: 13.678 min
Delta R.T.: 0.005 min
Response: 5417827
Conc: 33.34 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.511 min
Delta R.T.: 0.003 min
Response: 4050203
Conc: 29.02 ug/ml



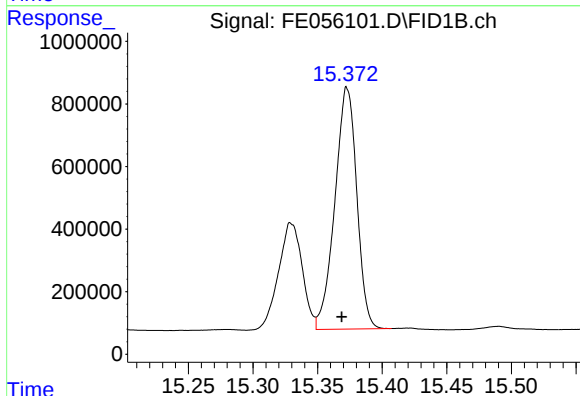
#13 n-Docosane (C22)

R.T.: 14.266 min
Delta R.T.: 0.005 min
Response: 5512950
Conc: 34.50 ug/ml

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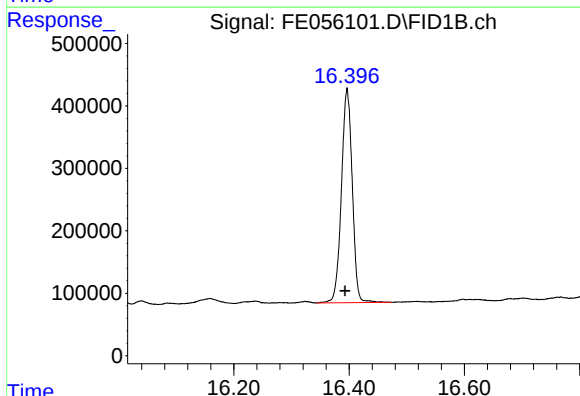
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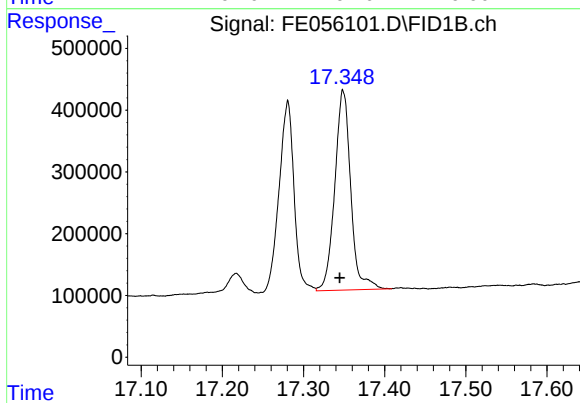
#14 n-Tetracosane (C24)

R.T.: 15.373 min
Delta R.T.: 0.004 min
Response: 9124738
Conc: 59.88 ug/ml



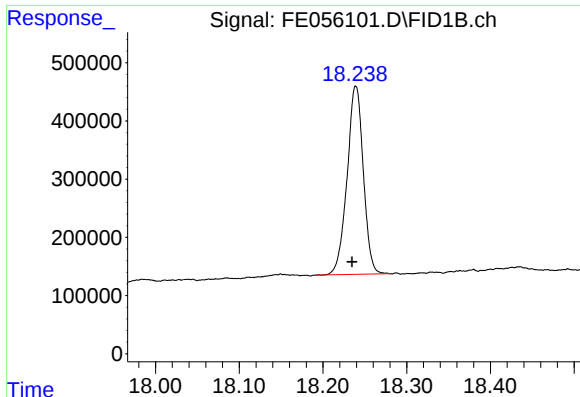
#15 n-Hexacosane (C26)

R.T.: 16.397 min
Delta R.T.: 0.004 min
Response: 4463001
Conc: 31.29 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.349 min
Delta R.T.: 0.004 min
Response: 4418761
Conc: 31.72 ug/ml



#17 n-Tricontane (C30)

R.T.: 18.238 min
Delta R.T.: 0.004 min
Response: 4360515
Conc: 29.43 ug/ml

Instrument :

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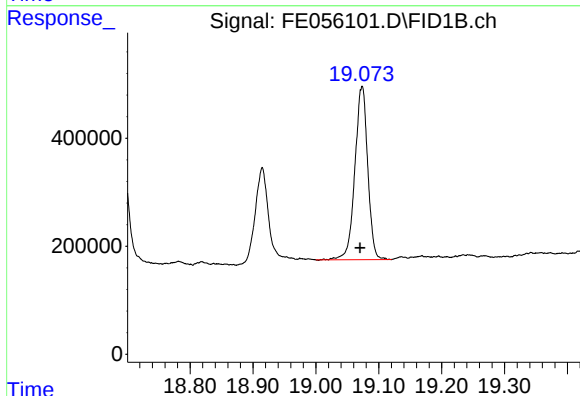
ClientSampleId :

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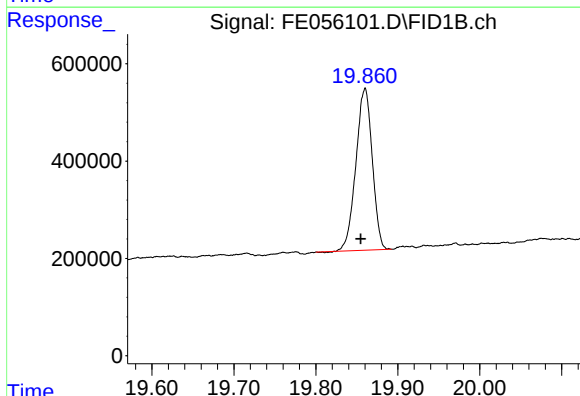
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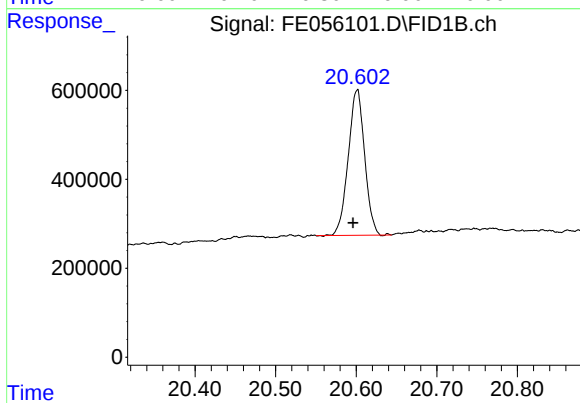
#18 n-Dotriacontane (C32)

R.T.: 19.073 min
Delta R.T.: 0.003 min
Response: 4569705
Conc: 30.63 ug/ml



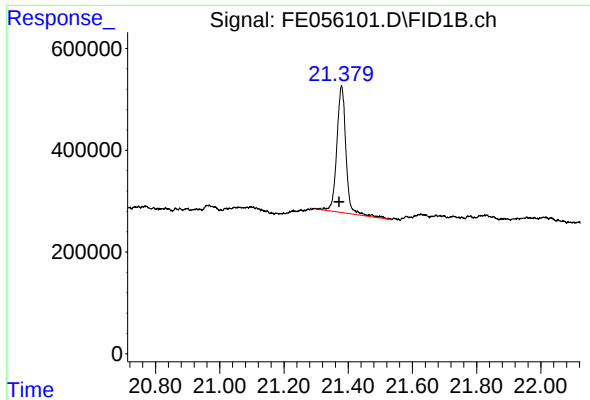
#19 n-Tetratriacontane (C34)

R.T.: 19.860 min
Delta R.T.: 0.005 min
Response: 4603431
Conc: 32.54 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.601 min
Delta R.T.: 0.005 min
Response: 4623965
Conc: 36.02 ug/ml



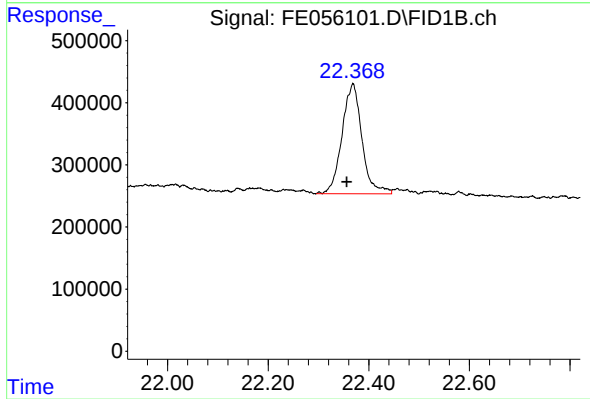
#21 n-Octatriacontane (C38)

R.T.: 21.379 min
Delta R.T.: 0.008 min
Response: 4924671
Conc: 37.49 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.369 min
Delta R.T.: 0.012 min
Response: 4865408
Conc: 40.90 ug/ml