

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE072325AL\
 Data File : FE055005.D
 Signal(s) : FID1B.ch
 Acq On : 24 Jul 2025 00:57
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/24/2025
 Supervised By :mohammad ahmed 07/25/2025

Integration File: autoint1.e
 Quant Time: Jul 24 05:25:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 08 07:45:12 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)	12.090	3435820	21.157 ug/ml
Spiked Amount 50.000		Recovery =	42.31%
12) S 1-chlorooctadecane (S...	13.526	2613298	20.692 ug/ml
Spiked Amount 50.000		Recovery =	41.38%
Target Compounds			
1) T n-Nonane (C9)	3.425	2744692	20.405 ug/ml
2) T n-Decane (C10)	4.684	2887804	21.164 ug/ml
3) T A~Naphthalene (C11.7)	6.405	3291637	21.739 ug/ml
4) T n-Dodecane (C12)	6.861	2974173	21.677 ug/ml
5) T A~2-methylnaphthalene...	7.506	3227323	21.954 ug/ml
6) T n-Tetradecane (C14)	8.698	3025650	21.826 ug/ml
7) T n-Hexadecane (C16)	10.313	3118463	21.882 ug/ml
8) T n-Octadecane (C18)	11.763	3148325	21.482 ug/ml
10) T n-Eicosane (C20)	13.078	3018750	20.994 ug/ml
11) T n-Heneicosane (C21)	13.691	2957674	20.707 ug/ml
13) T n-Docosane (C22)	14.280	2937846	20.575 ug/ml
14) T n-Tetracosane (C24)	15.386	2938037	20.211 ug/ml
15) T n-Hexacosane (C26)	16.411	2883118	19.923 ug/mlm
16) T n-Octacosane (C28)	17.361	2913673	19.993 ug/mlm
17) T n-Tricontane (C30)	18.252	3136025	19.901 ug/ml
18) T n-Dotriacontane (C32)	19.085	3129673	19.344 ug/mlm
19) T n-Tetratriacontane (C34)	19.871	2956337	19.400 ug/ml
20) T n-Hexatriacontane (C36)	20.610	2674376	19.890 ug/mlm
21) T n-Octatriacontane (C38)	21.392	2790827	23.796 ug/mlm
22) T n-Tetracontane (C40)	22.387	2385477	22.009 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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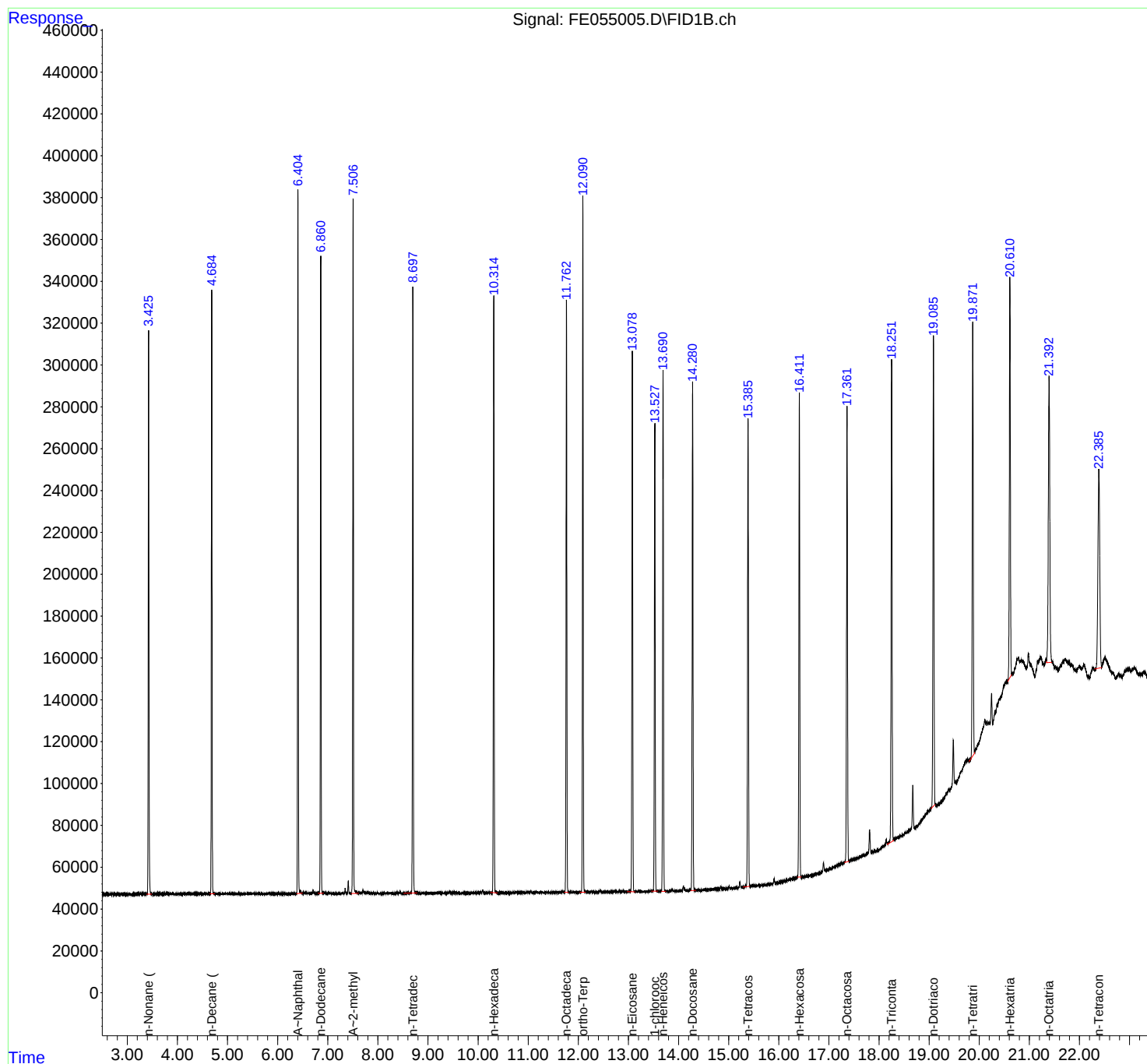
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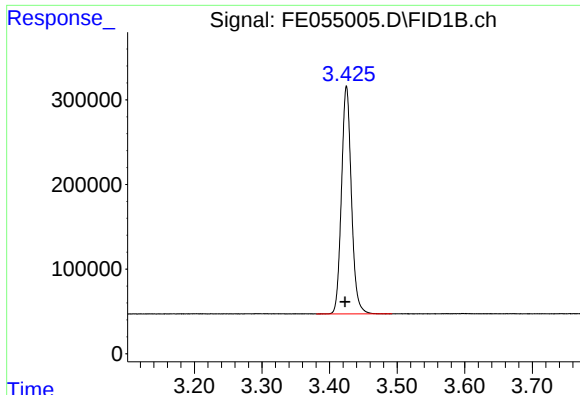
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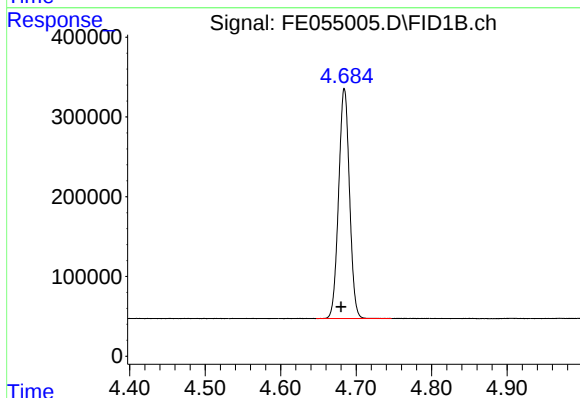
#1 n-Nonane (C9)

R.T.: 3.425 min
Delta R.T.: 0.002 min
Response: 2744692
Conc: 20.41 ug/ml

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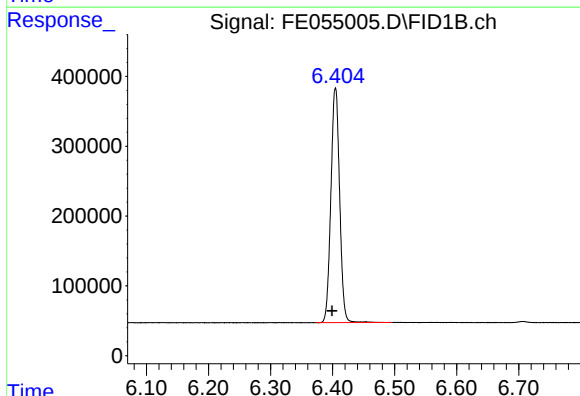
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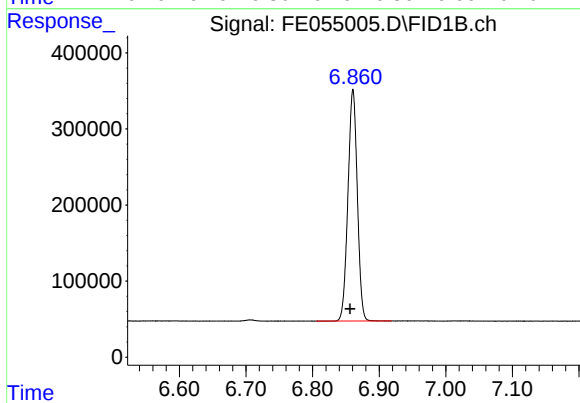
#2 n-Decane (C10)

R.T.: 4.684 min
Delta R.T.: 0.004 min
Response: 2887804
Conc: 21.16 ug/ml



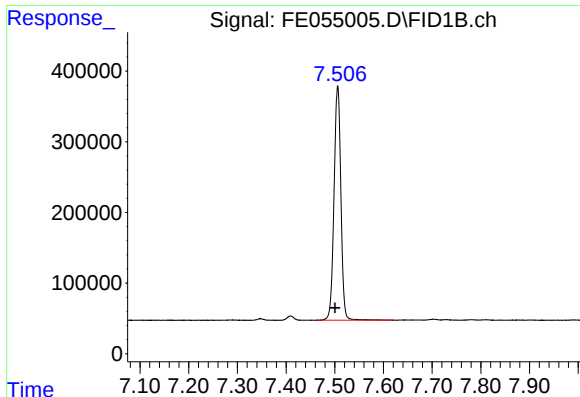
#3 A~Naphthalene (C11.7)

R.T.: 6.405 min
Delta R.T.: 0.006 min
Response: 3291637
Conc: 21.74 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.861 min
Delta R.T.: 0.004 min
Response: 2974173
Conc: 21.68 ug/ml



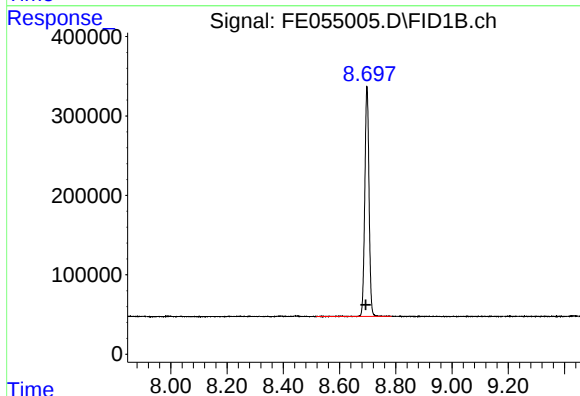
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.506 min
Delta R.T.: 0.006 min
Response: 3227323
Conc: 21.95 ug/ml

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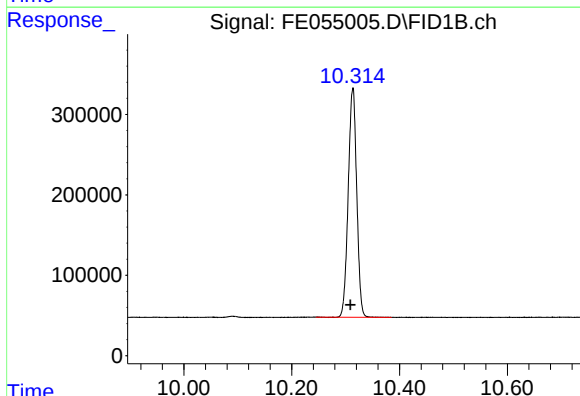
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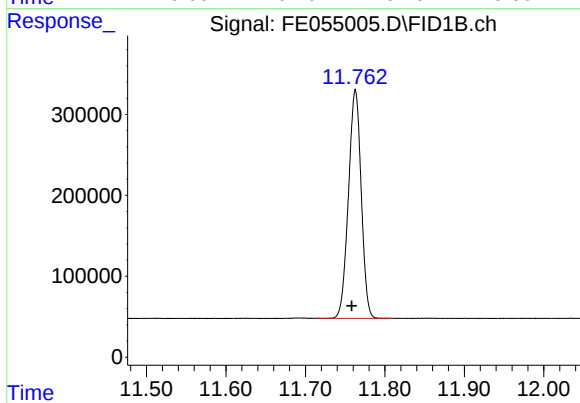
#6 n-Tetradecane (C14)

R.T.: 8.698 min
Delta R.T.: 0.004 min
Response: 3025650
Conc: 21.83 ug/ml



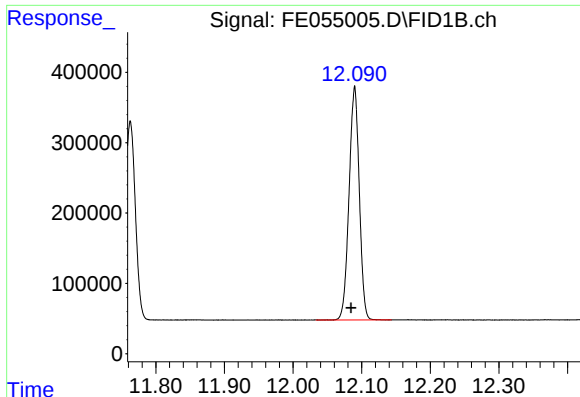
#7 n-Hexadecane (C16)

R.T.: 10.313 min
Delta R.T.: 0.004 min
Response: 3118463
Conc: 21.88 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.763 min
Delta R.T.: 0.004 min
Response: 3148325
Conc: 21.48 ug/ml



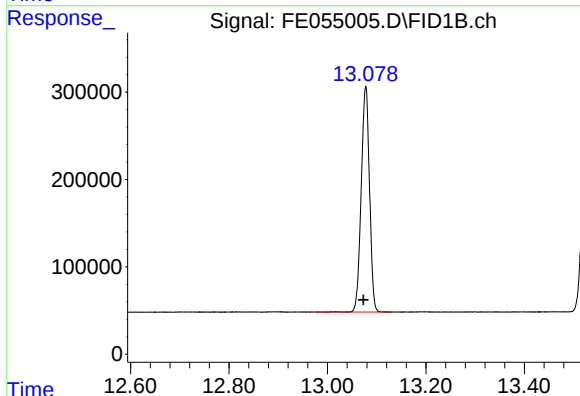
#9 ortho-Terphenyl (SURR)

R.T.: 12.090 min
Delta R.T.: 0.005 min
Response: 3435820
Conc: 21.16 ug/ml

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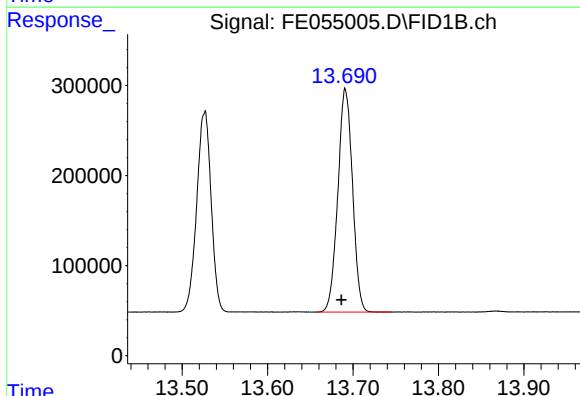
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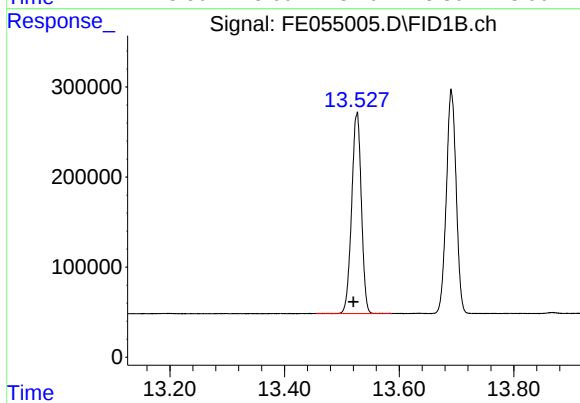
#10 n-Eicosane (C20)

R.T.: 13.078 min
Delta R.T.: 0.005 min
Response: 3018750
Conc: 20.99 ug/ml



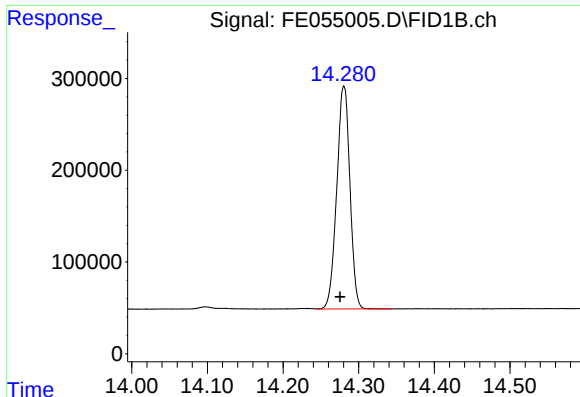
#11 n-Heneicosane (C21)

R.T.: 13.691 min
Delta R.T.: 0.005 min
Response: 2957674
Conc: 20.71 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.526 min
Delta R.T.: 0.006 min
Response: 2613298
Conc: 20.69 ug/ml



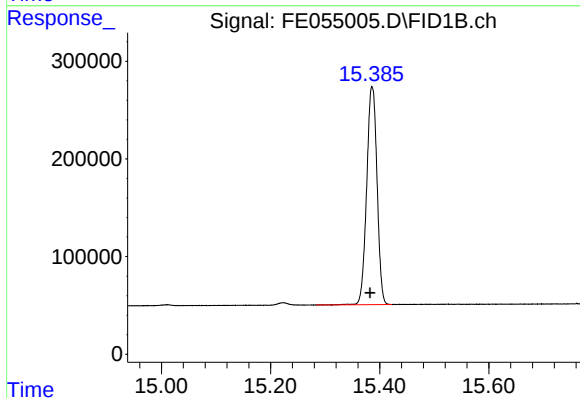
#13 n-Docosane (C22)

R.T.: 14.280 min
Delta R.T.: 0.005 min
Response: 2937846
Conc: 20.57 ug/ml

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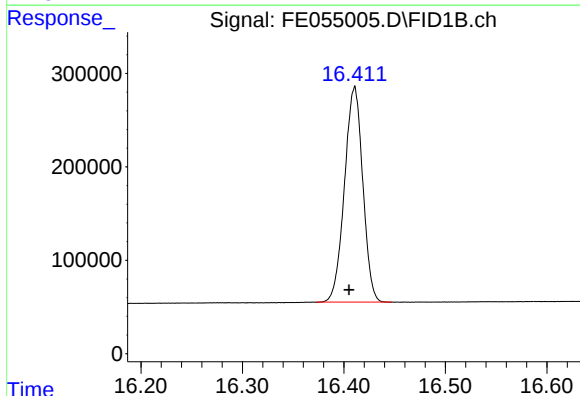
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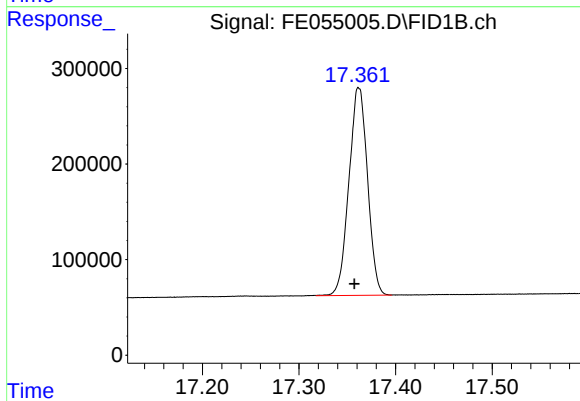
#14 n-Tetracosane (C24)

R.T.: 15.386 min
Delta R.T.: 0.004 min
Response: 2938037
Conc: 20.21 ug/ml



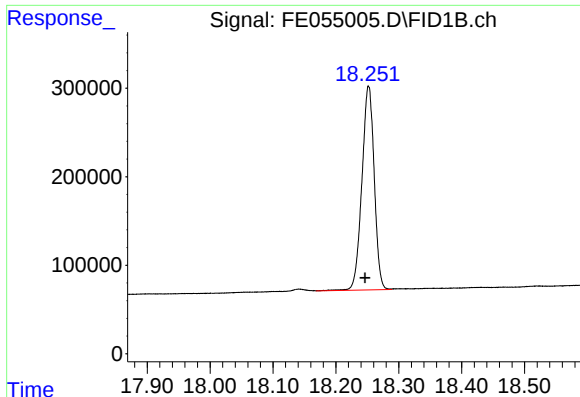
#15 n-Hexacosane (C26)

R.T.: 16.411 min
Delta R.T.: 0.005 min
Response: 2883118
Conc: 19.92 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.361 min
Delta R.T.: 0.003 min
Response: 2913673
Conc: 19.99 ug/ml m



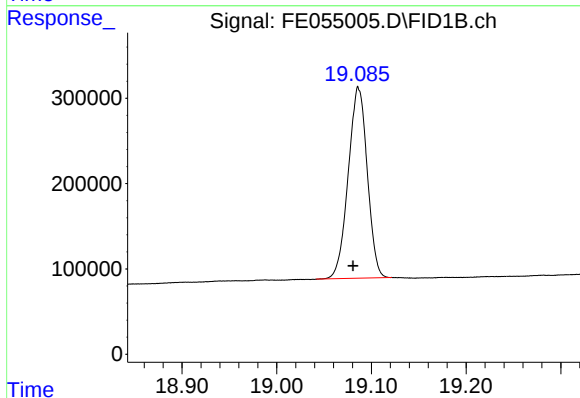
#17 n-Tricontane (C30)

R.T.: 18.252 min
Delta R.T.: 0.006 min
Response: 3136025
Conc: 19.90 ug/ml

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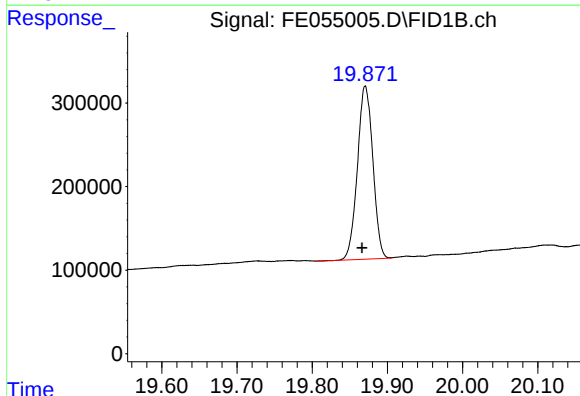
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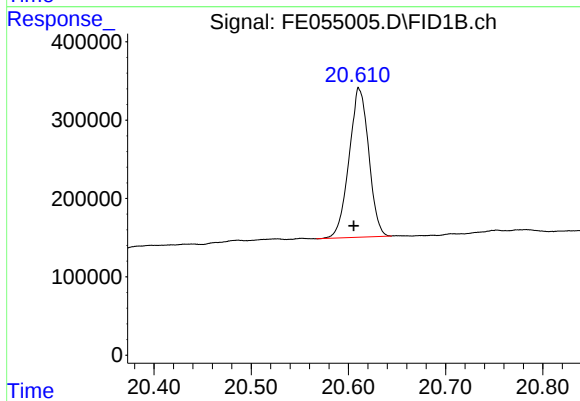
#18 n-Dotriacontane (C32)

R.T.: 19.085 min
Delta R.T.: 0.005 min
Response: 3129673
Conc: 19.34 ug/ml m



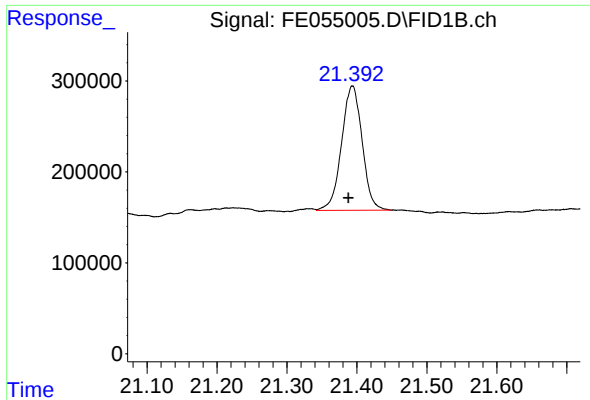
#19 n-Tetratriacontane (C34)

R.T.: 19.871 min
Delta R.T.: 0.004 min
Response: 2956337
Conc: 19.40 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.610 min
Delta R.T.: 0.004 min
Response: 2674376
Conc: 19.89 ug/ml m



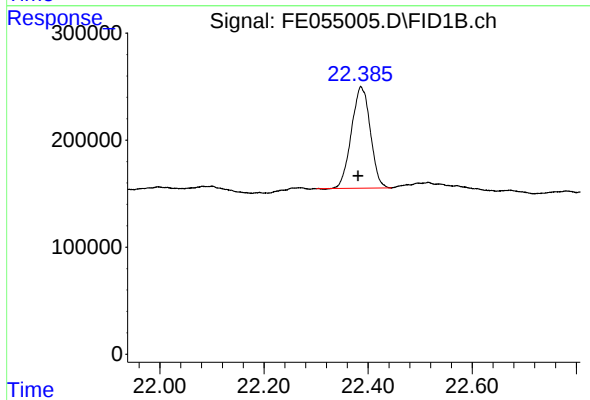
#21 n-Octatriacontane (C38)

R.T.: 21.392 min
Delta R.T.: 0.005 min
Response: 2790827
Conc: 23.80 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.387 min
Delta R.T.: 0.006 min
Response: 2385477
Conc: 22.01 ug/ml