

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE071625AL\  
 Data File : FE054888.D  
 Signal(s) : FID1B.ch  
 Acq On : 16 Jul 2025 22:20  
 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 07/17/2025  
 Supervised By :mohammad ahmed 07/18/2025

Integration File: autoint1.e  
 Quant Time: Jul 17 05:32:49 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)    | 12.087 | 3025758    | 18.632 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 37.26%        |
| 12) S 1-chlorooctadecane (S... | 13.523 | 2298943    | 18.203 ug/mlm |
| Spiked Amount 50.000           |        | Recovery = | 36.41%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.427  | 2489004    | 18.504 ug/ml  |
| 2) T n-Decane (C10)            | 4.684  | 2663785    | 19.522 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.403  | 2987775    | 19.733 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.859  | 2751608    | 20.054 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.504  | 2923695    | 19.889 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.696  | 2786097    | 20.098 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.311 | 2825293    | 19.825 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.760 | 2810576    | 19.178 ug/ml  |
| 10) T n-Eicosane (C20)         | 13.075 | 2662171    | 18.514 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.688 | 2600101    | 18.204 ug/ml  |
| 13) T n-Docosane (C22)         | 14.277 | 2588957    | 18.131 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.384 | 2604634    | 17.918 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.408 | 2594014    | 17.925 ug/mlm |
| 16) T n-Octacosane (C28)       | 17.360 | 2622232    | 17.993 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.249 | 2892603    | 18.356 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 19.083 | 2903445    | 17.946 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.868 | 2715574    | 17.820 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 20.609 | 2569162    | 19.108 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.389 | 2440770    | 20.811 ug/mlm |
| 22) T n-Tetracontane (C40)     | 22.383 | 2262134    | 20.871 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP\AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

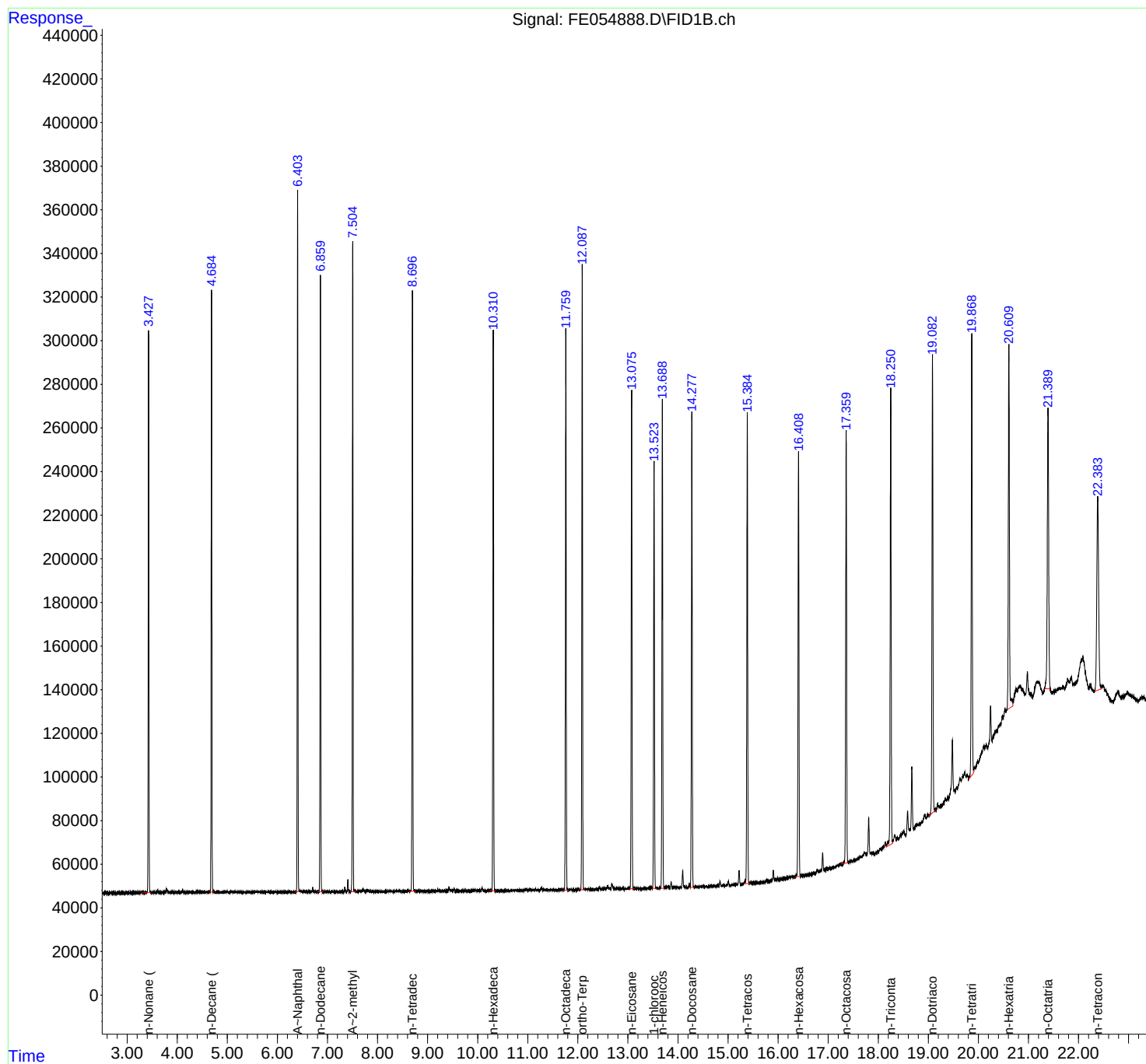
Instrument :  
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ClientSampleId :  
20 PPM ALIPHATIC HC STD

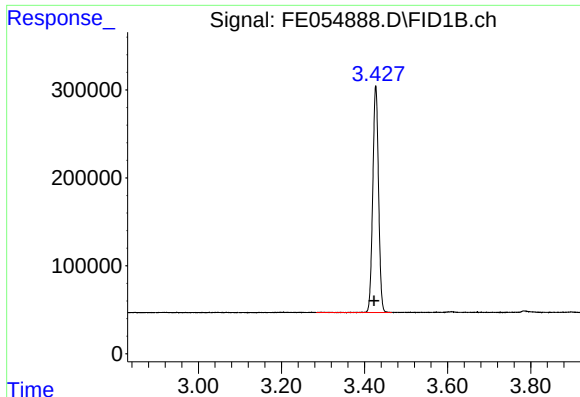
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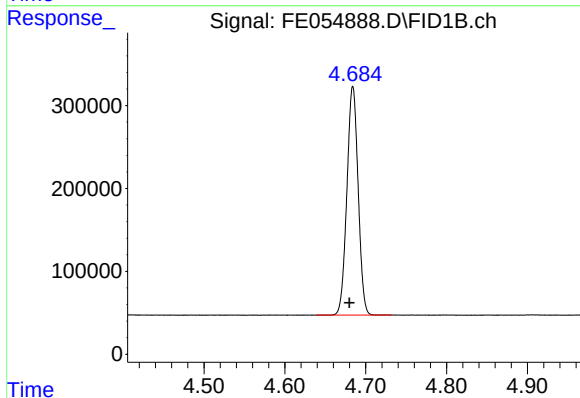
#1 n-Nonane (C9)

R.T.: 3.427 min  
Delta R.T.: 0.004 min  
Response: 2489004  
Conc: 18.50 ug/ml

Instrument :  
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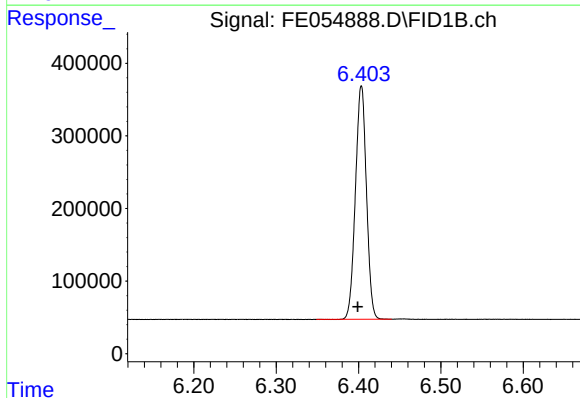
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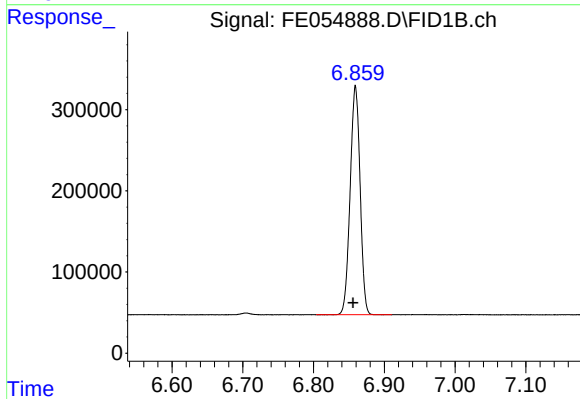
#2 n-Decane (C10)

R.T.: 4.684 min  
Delta R.T.: 0.004 min  
Response: 2663785  
Conc: 19.52 ug/ml



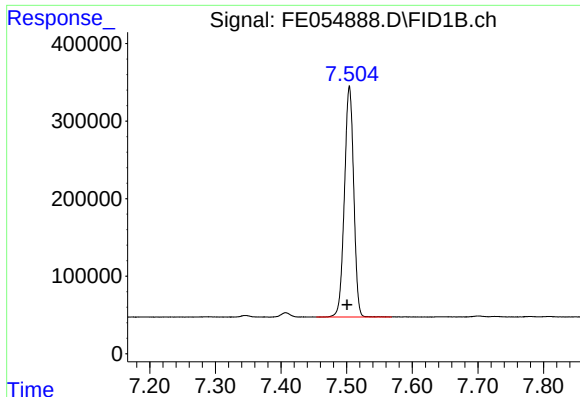
#3 A~Naphthalene (C11.7)

R.T.: 6.403 min  
Delta R.T.: 0.004 min  
Response: 2987775  
Conc: 19.73 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.859 min  
Delta R.T.: 0.003 min  
Response: 2751608  
Conc: 20.05 ug/ml



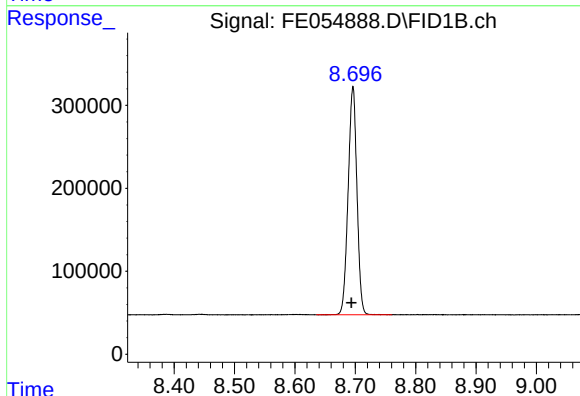
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.504 min  
Delta R.T.: 0.004 min  
Response: 2923695  
Conc: 19.89 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

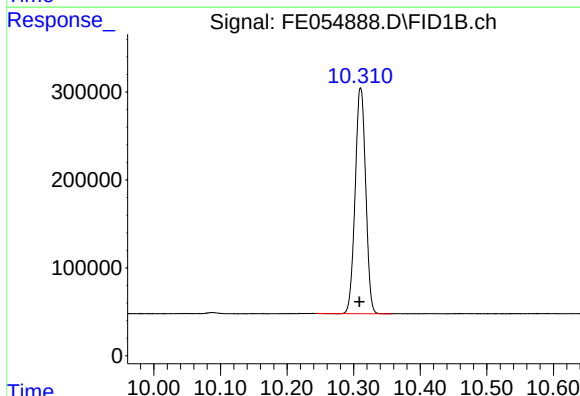
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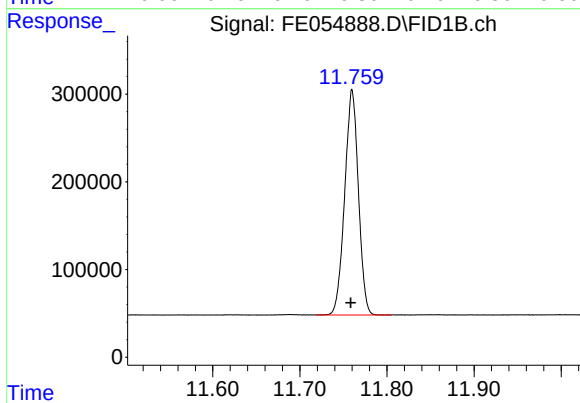
#6 n-Tetradecane (C14)

R.T.: 8.696 min  
Delta R.T.: 0.003 min  
Response: 2786097  
Conc: 20.10 ug/ml



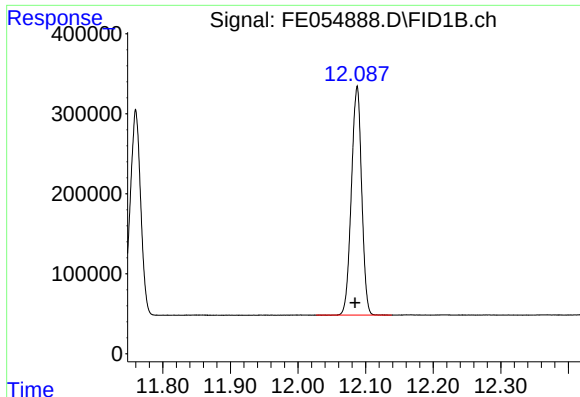
#7 n-Hexadecane (C16)

R.T.: 10.311 min  
Delta R.T.: 0.002 min  
Response: 2825293  
Conc: 19.83 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.760 min  
Delta R.T.: 0.002 min  
Response: 2810576  
Conc: 19.18 ug/ml



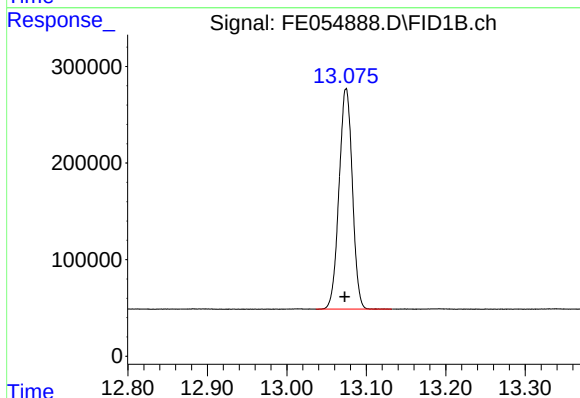
#9 ortho-Terphenyl (SURR)

R.T.: 12.087 min  
Delta R.T.: 0.003 min  
Response: 3025758  
Conc: 18.63 ug/ml

Instrument :  
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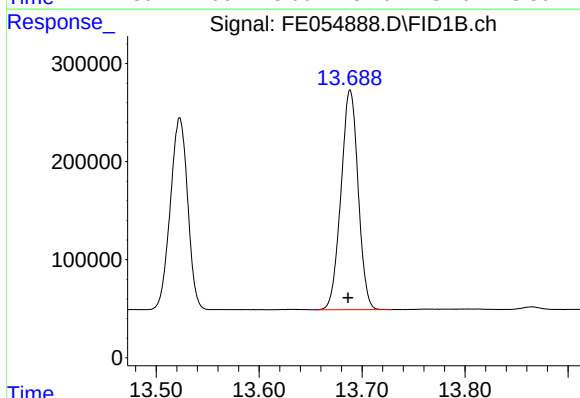
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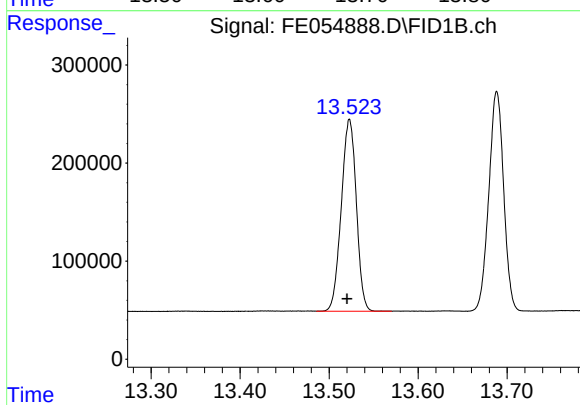
#10 n-Eicosane (C20)

R.T.: 13.075 min  
Delta R.T.: 0.002 min  
Response: 2662171  
Conc: 18.51 ug/ml



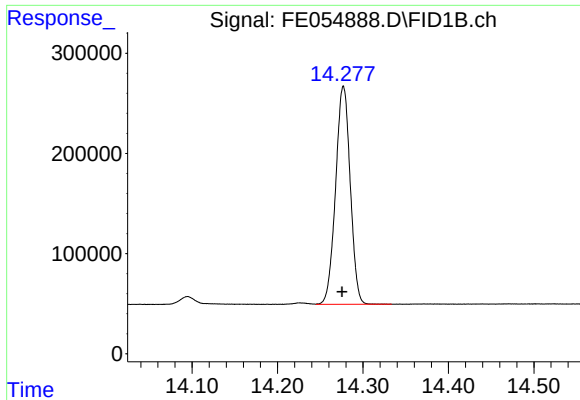
#11 n-Heneicosane (C21)

R.T.: 13.688 min  
Delta R.T.: 0.002 min  
Response: 2600101  
Conc: 18.20 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.523 min  
Delta R.T.: 0.003 min  
Response: 2298943  
Conc: 18.20 ug/ml m



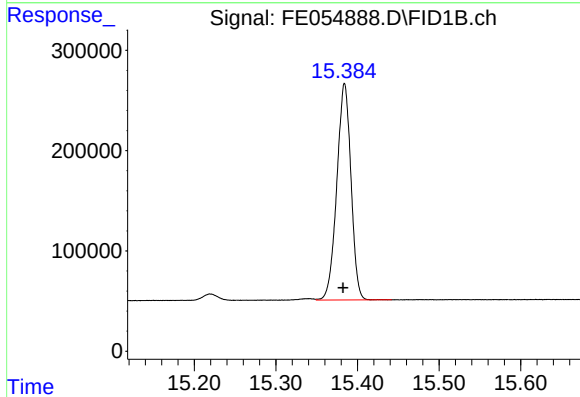
#13 n-Docosane (C22)

R.T.: 14.277 min  
Delta R.T.: 0.002 min  
Response: 2588957  
Conc: 18.13 ug/ml

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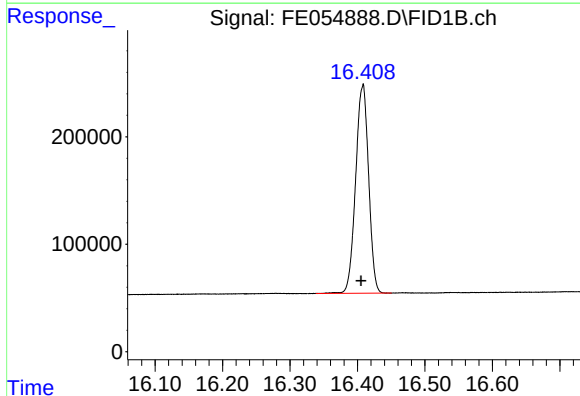
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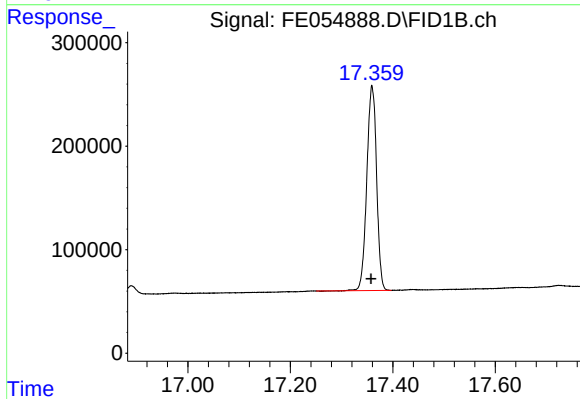
#14 n-Tetracosane (C24)

R.T.: 15.384 min  
Delta R.T.: 0.002 min  
Response: 2604634  
Conc: 17.92 ug/ml



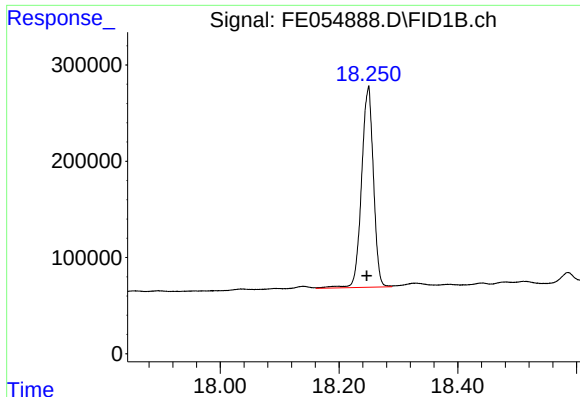
#15 n-Hexacosane (C26)

R.T.: 16.408 min  
Delta R.T.: 0.003 min  
Response: 2594014  
Conc: 17.92 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.360 min  
Delta R.T.: 0.002 min  
Response: 2622232  
Conc: 17.99 ug/ml



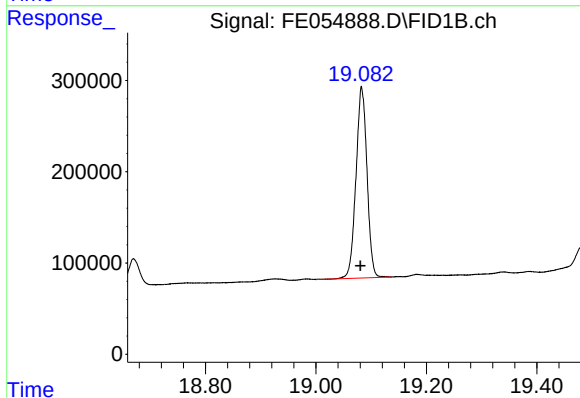
#17 n-Tricontane (C30)

R.T.: 18.249 min  
Delta R.T.: 0.002 min  
Response: 2892603  
Conc: 18.36 ug/ml

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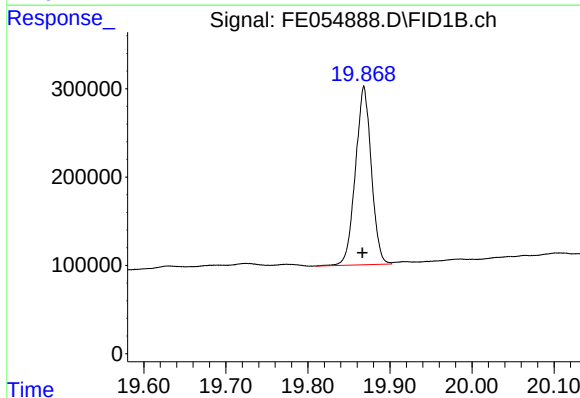
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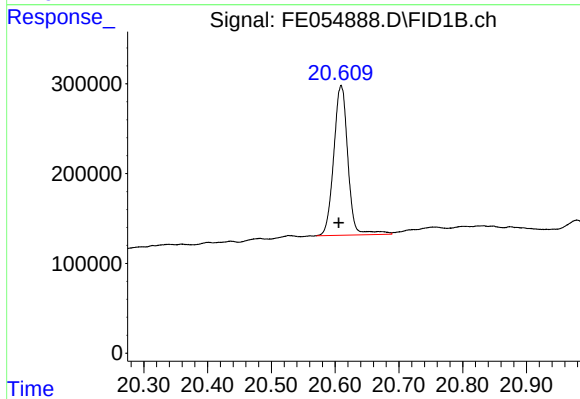
#18 n-Dotriacontane (C32)

R.T.: 19.083 min  
Delta R.T.: 0.002 min  
Response: 2903445  
Conc: 17.95 ug/ml



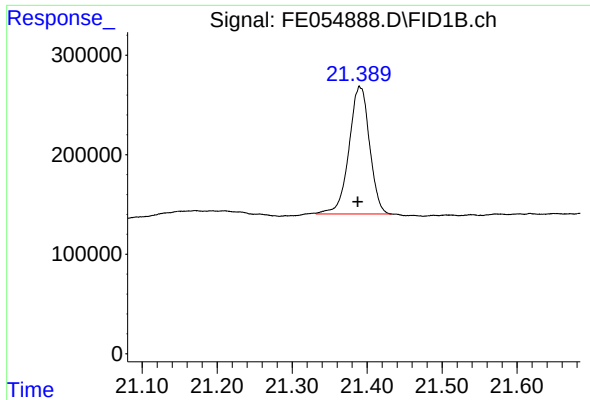
#19 n-Tetratriacontane (C34)

R.T.: 19.868 min  
Delta R.T.: 0.002 min  
Response: 2715574  
Conc: 17.82 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.609 min  
Delta R.T.: 0.004 min  
Response: 2569162  
Conc: 19.11 ug/ml



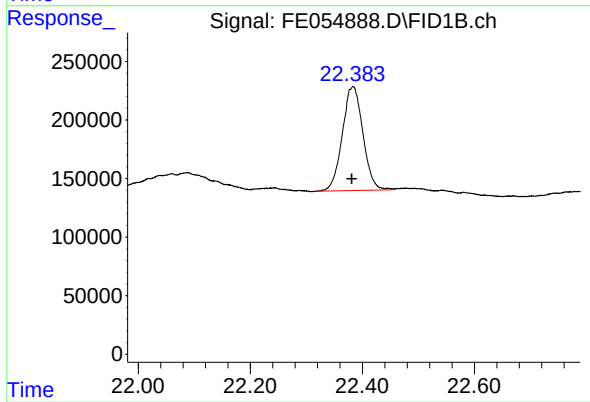
#21 n-Octatriacontane (C38)

R.T.: 21.389 min  
Delta R.T.: 0.001 min  
Response: 2440770  
Conc: 20.81 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.383 min  
Delta R.T.: 0.002 min  
Response: 2262134  
Conc: 20.87 ug/ml m