

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE100225AL\  
 Data File : FE056142.D  
 Signal(s) : FID1B.ch  
 Acq On : 02 Oct 2025 08:40  
 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 10/03/2025  
 Supervised By :mohammad ahmed 10/04/2025

Integration File: autoint1.e  
 Quant Time: Oct 03 00:53:49 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)    | 12.071 | 3812067    | 20.315 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 40.63%        |
| 12) S 1-chlorooctadecane (S... | 13.506 | 2857871    | 20.477 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 40.95%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.411  | 2329667    | 17.006 ug/ml  |
| 2) T n-Decane (C10)            | 4.670  | 2462677    | 17.646 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.390  | 3065033    | 19.197 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.845  | 2693014    | 18.763 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.490  | 3080240    | 19.806 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.680  | 2926200    | 19.792 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.295 | 3273114    | 20.598 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.744 | 3501933    | 20.675 ug/ml  |
| 10) T n-Eicosane (C20)         | 13.058 | 3406346    | 20.549 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.672 | 3298284    | 20.298 ug/ml  |
| 13) T n-Docosane (C22)         | 14.261 | 3212805    | 20.106 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.366 | 3047902    | 20.002 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.390 | 2849483    | 19.978 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.342 | 2781446    | 19.966 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.230 | 2920805    | 19.711 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 19.065 | 3041002    | 20.382 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.850 | 2917522    | 20.626 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.592 | 2698694    | 21.023 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.366 | 2508529    | 19.099 ug/mlm |
| 22) T n-Tetracontane (C40)     | 22.348 | 2209155    | 18.569 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP\AJ  
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Misc :  
ALS Vial : 2 Sample Multiplier: 1

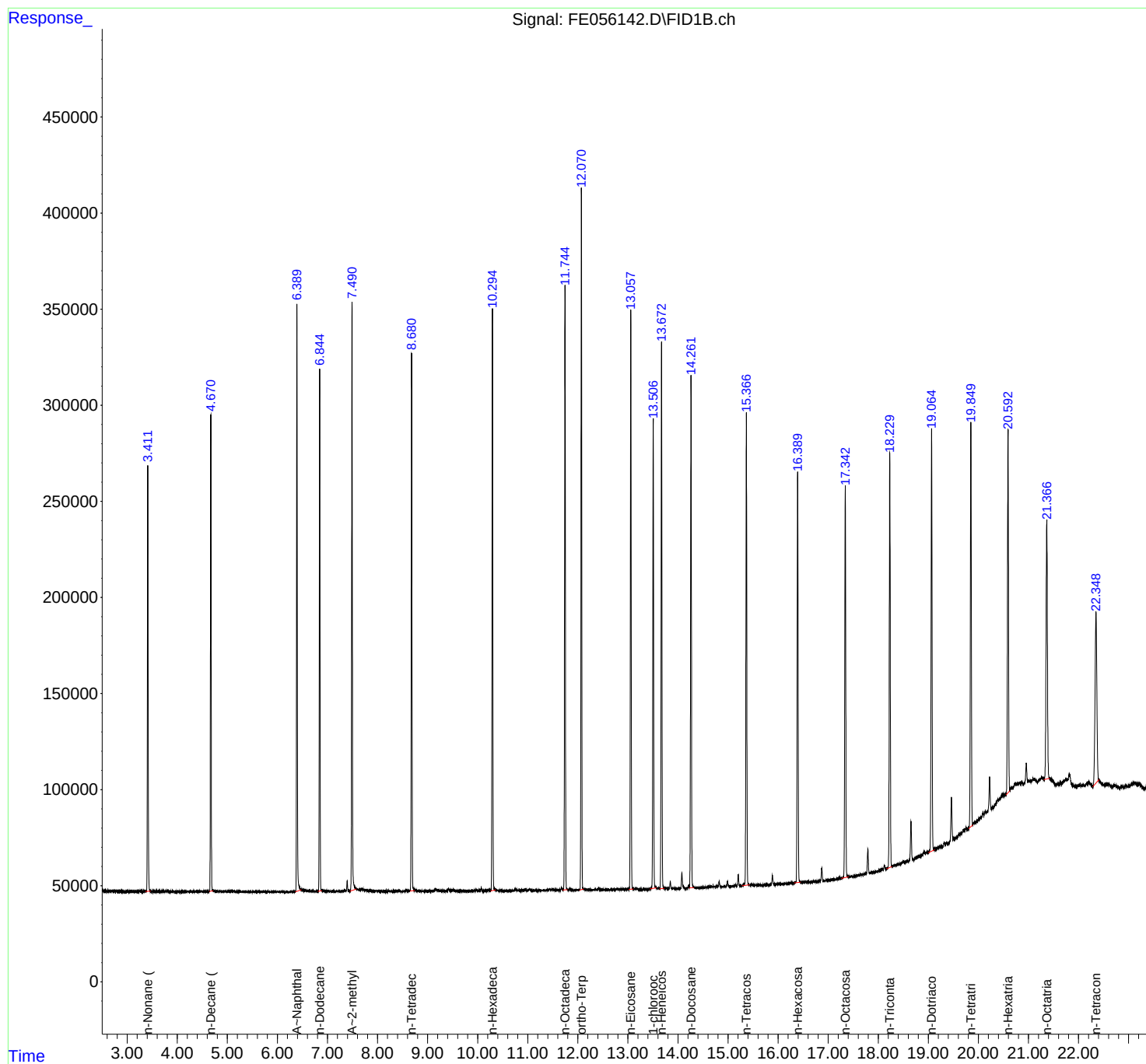
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

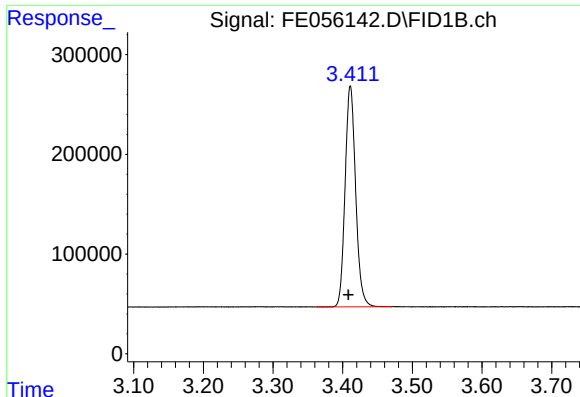
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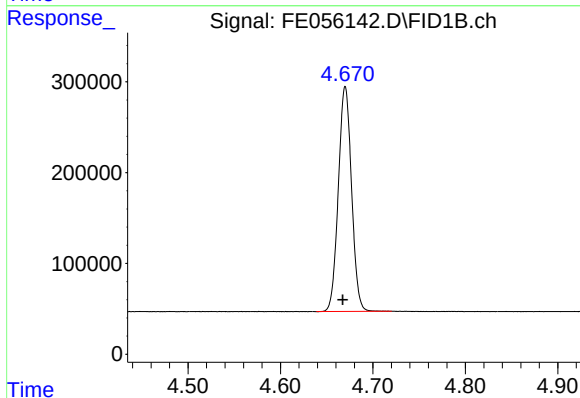
#1 n-Nonane (C9)

R.T.: 3.411 min  
Delta R.T.: 0.003 min  
Response: 2329667  
Conc: 17.01 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

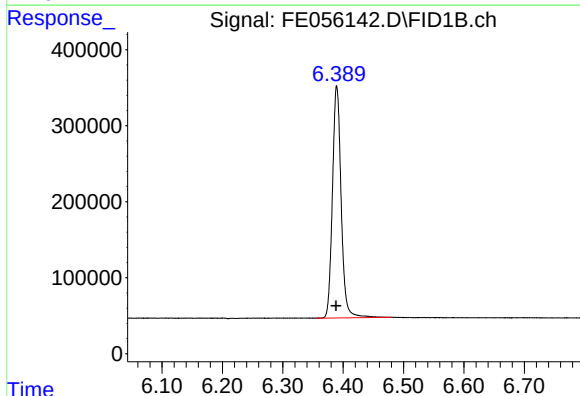
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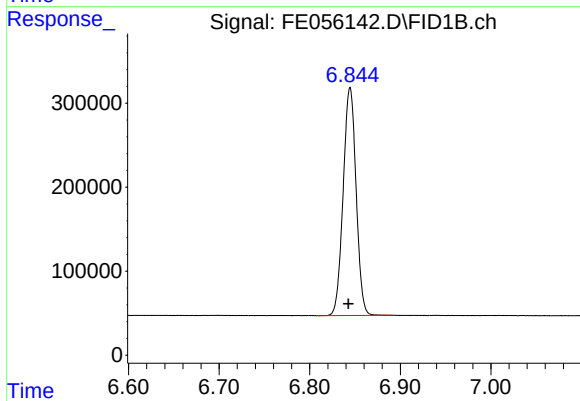
#2 n-Decane (C10)

R.T.: 4.670 min  
Delta R.T.: 0.003 min  
Response: 2462677  
Conc: 17.65 ug/ml



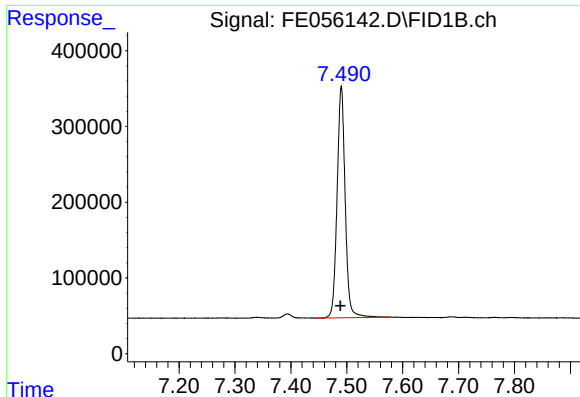
#3 A~Naphthalene (C11.7)

R.T.: 6.390 min  
Delta R.T.: 0.001 min  
Response: 3065033  
Conc: 19.20 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.845 min  
Delta R.T.: 0.002 min  
Response: 2693014  
Conc: 18.76 ug/ml



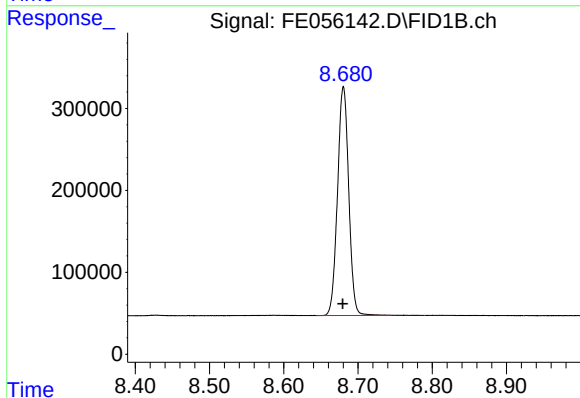
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.490 min  
Delta R.T.: 0.001 min  
Response: 3080240  
Conc: 19.81 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

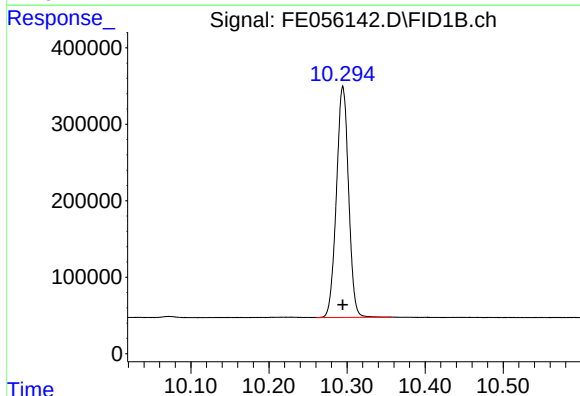
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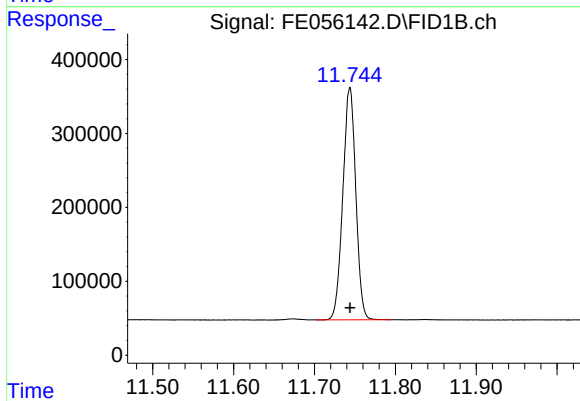
#6 n-Tetradecane (C14)

R.T.: 8.680 min  
Delta R.T.: 0.000 min  
Response: 2926200  
Conc: 19.79 ug/ml



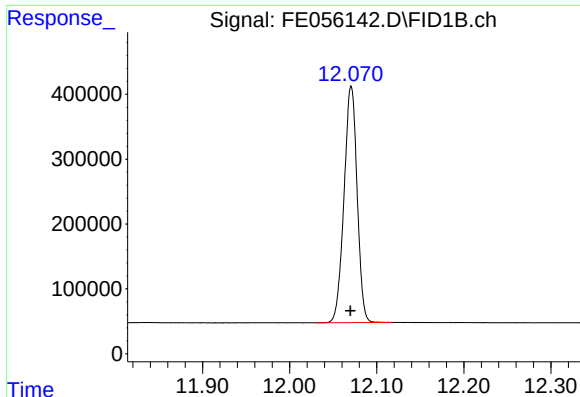
#7 n-Hexadecane (C16)

R.T.: 10.295 min  
Delta R.T.: 0.000 min  
Response: 3273114  
Conc: 20.60 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.744 min  
Delta R.T.: 0.000 min  
Response: 3501933  
Conc: 20.67 ug/ml



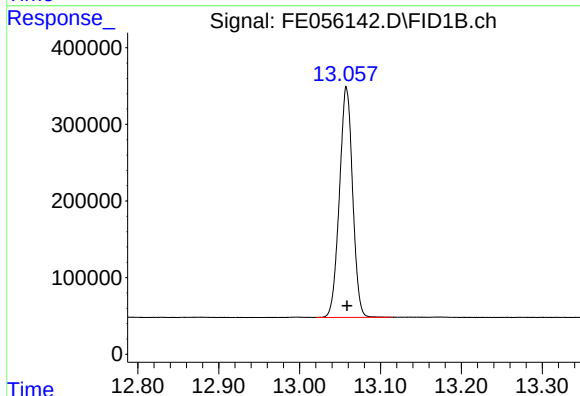
#9 ortho-Terphenyl (SURR)

R.T.: 12.071 min  
Delta R.T.: 0.000 min  
Response: 3812067  
Conc: 20.31 ug/ml

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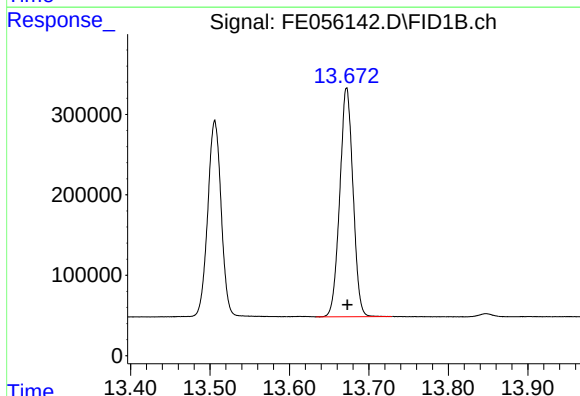
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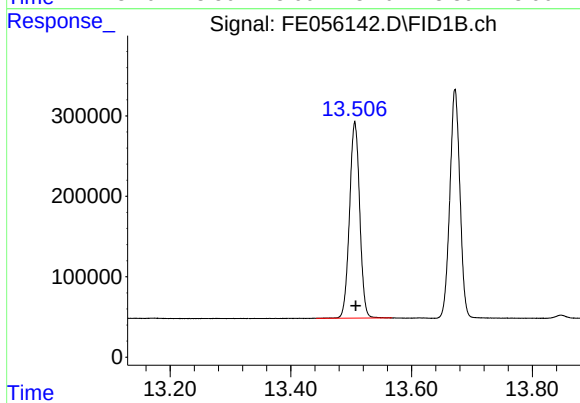
#10 n-Eicosane (C20)

R.T.: 13.058 min  
Delta R.T.: 0.000 min  
Response: 3406346  
Conc: 20.55 ug/ml



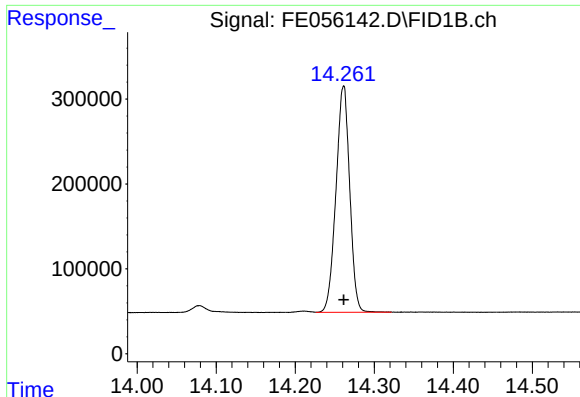
#11 n-Heneicosane (C21)

R.T.: 13.672 min  
Delta R.T.: 0.000 min  
Response: 3298284  
Conc: 20.30 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.506 min  
Delta R.T.: -0.001 min  
Response: 2857871  
Conc: 20.48 ug/ml



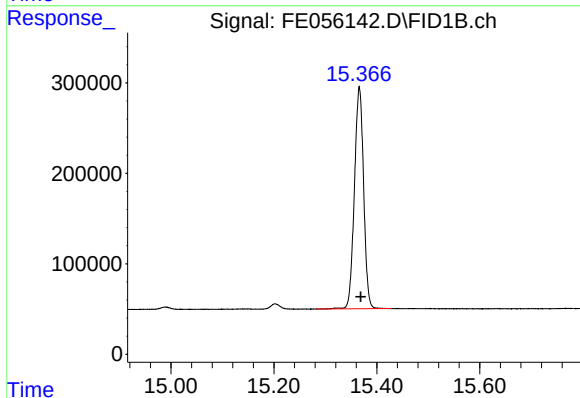
#13 n-Docosane (C22)

R.T.: 14.261 min  
Delta R.T.: 0.000 min  
Response: 3212805  
Conc: 20.11 ug/ml

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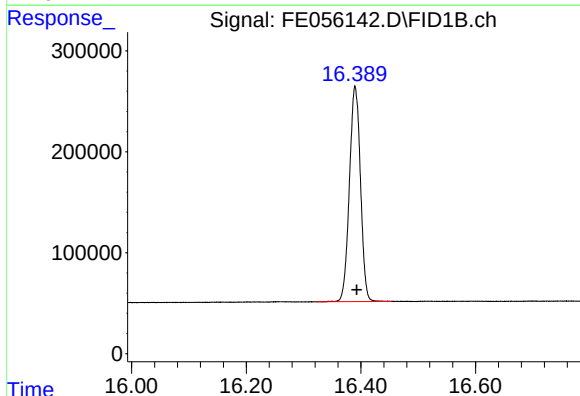
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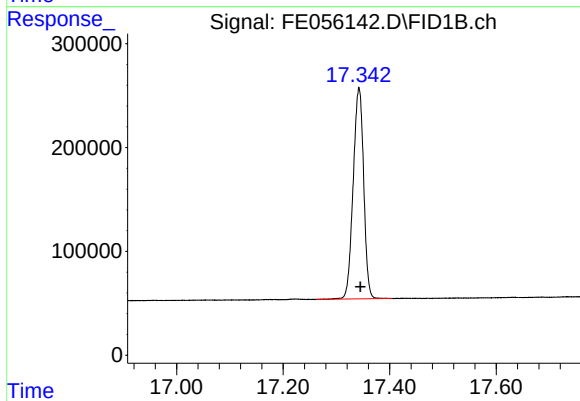
#14 n-Tetracosane (C24)

R.T.: 15.366 min  
Delta R.T.: -0.003 min  
Response: 3047902  
Conc: 20.00 ug/ml



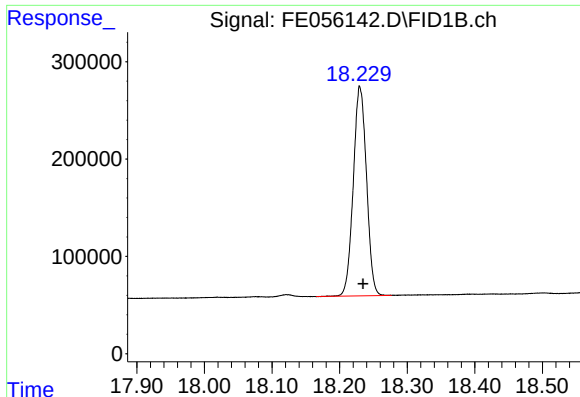
#15 n-Hexacosane (C26)

R.T.: 16.390 min  
Delta R.T.: -0.003 min  
Response: 2849483  
Conc: 19.98 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.342 min  
Delta R.T.: -0.003 min  
Response: 2781446  
Conc: 19.97 ug/ml



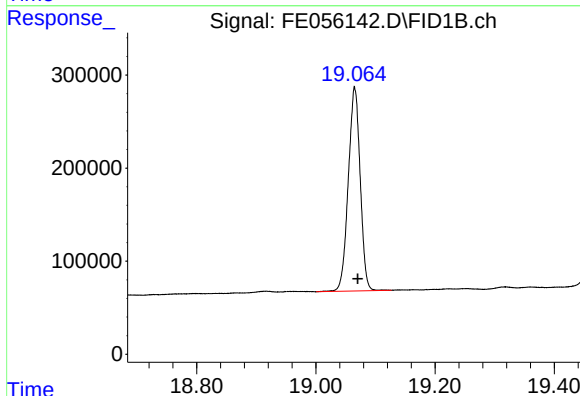
#17 n-Tricontane (C30)

R.T.: 18.230 min  
Delta R.T.: -0.004 min  
Response: 2920805  
Conc: 19.71 ug/ml

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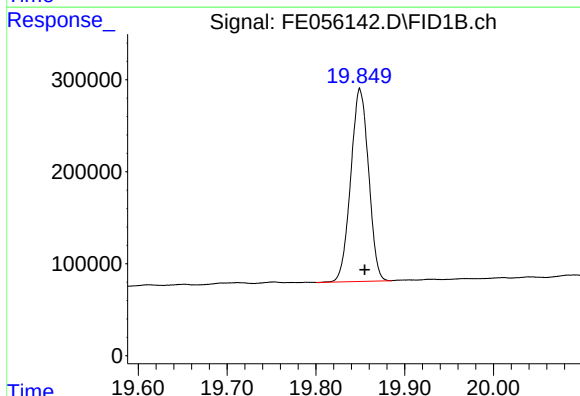
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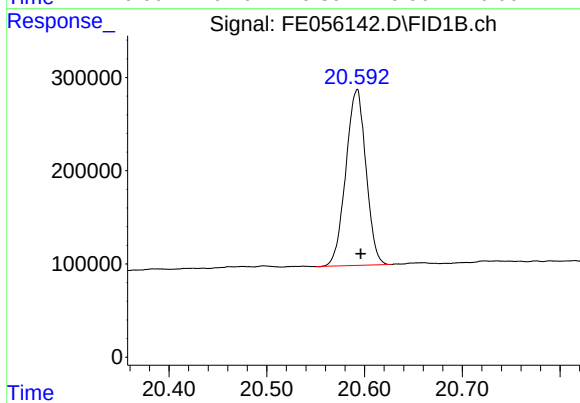
#18 n-Dotriacontane (C32)

R.T.: 19.065 min  
Delta R.T.: -0.005 min  
Response: 3041002  
Conc: 20.38 ug/ml



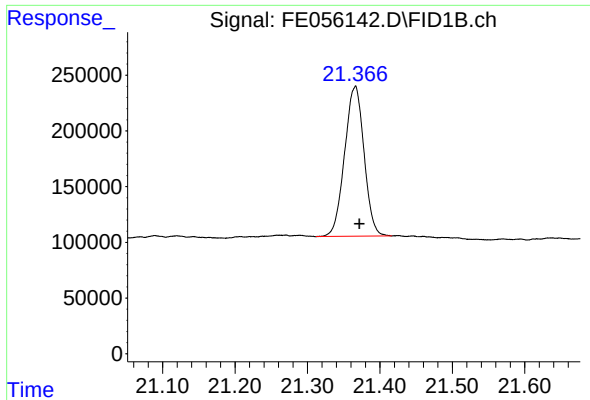
#19 n-Tetratriacontane (C34)

R.T.: 19.850 min  
Delta R.T.: -0.005 min  
Response: 2917522  
Conc: 20.63 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.592 min  
Delta R.T.: -0.004 min  
Response: 2698694  
Conc: 21.02 ug/ml



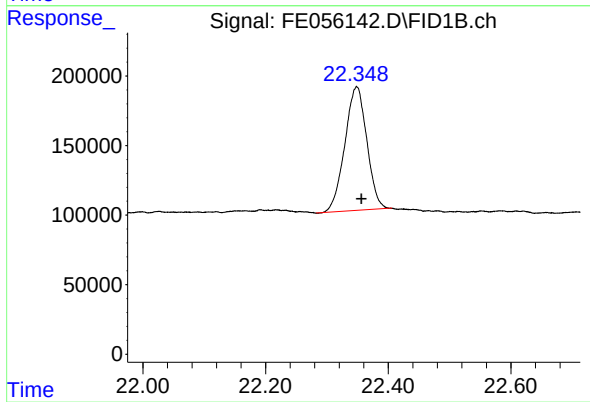
#21 n-Octatriacontane (C38)

R.T.: 21.366 min  
Delta R.T.: -0.005 min  
Response: 2508529  
Conc: 19.10 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.348 min  
Delta R.T.: -0.009 min  
Response: 2209155  
Conc: 18.57 ug/ml m