

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE050525AL\  
 Data File : FE053658.D  
 Signal(s) : FID1B.ch  
 Acq On : 05 May 2025 23:18  
 Operator : YP\AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 05/06/2025  
 Supervised By :mohammad ahmed 05/07/2025

Integration File: sample.E  
 Quant Time: May 06 04:20:30 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 041725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Apr 29 06:49:03 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)    | 11.863 | 3702947    | 20.531 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 41.06%        |
| 12) S 1-chlorooctadecane (S... | 13.307 | 2726277    | 20.168 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 40.34%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.210  | 2970245    | 21.664 ug/ml  |
| 2) T n-Decane (C10)            | 4.472  | 3002502    | 21.705 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.184  | 3294652    | 21.827 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.653  | 3050072    | 21.748 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.287  | 3248702    | 21.759 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.488  | 3027246    | 21.579 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.101 | 3045968    | 21.253 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.548 | 3046683    | 20.906 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.862 | 2991223    | 20.556 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.475 | 2961251    | 20.444 ug/ml  |
| 13) T n-Docosane (C22)         | 14.063 | 2919536    | 20.232 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.169 | 2870161    | 19.982 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.192 | 2807416    | 19.822 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.144 | 2752242    | 19.782 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.034 | 2759201    | 19.823 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.867 | 2791091    | 20.327 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.652 | 2685311    | 20.610 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.394 | 2661336    | 21.081 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.127 | 2561869    | 21.028 ug/ml  |
| 22) T n-Tetracontane (C40)     | 22.028 | 2538534    | 21.257 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Acq On : 05 May 2025 23:18  
Operator : YP\AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

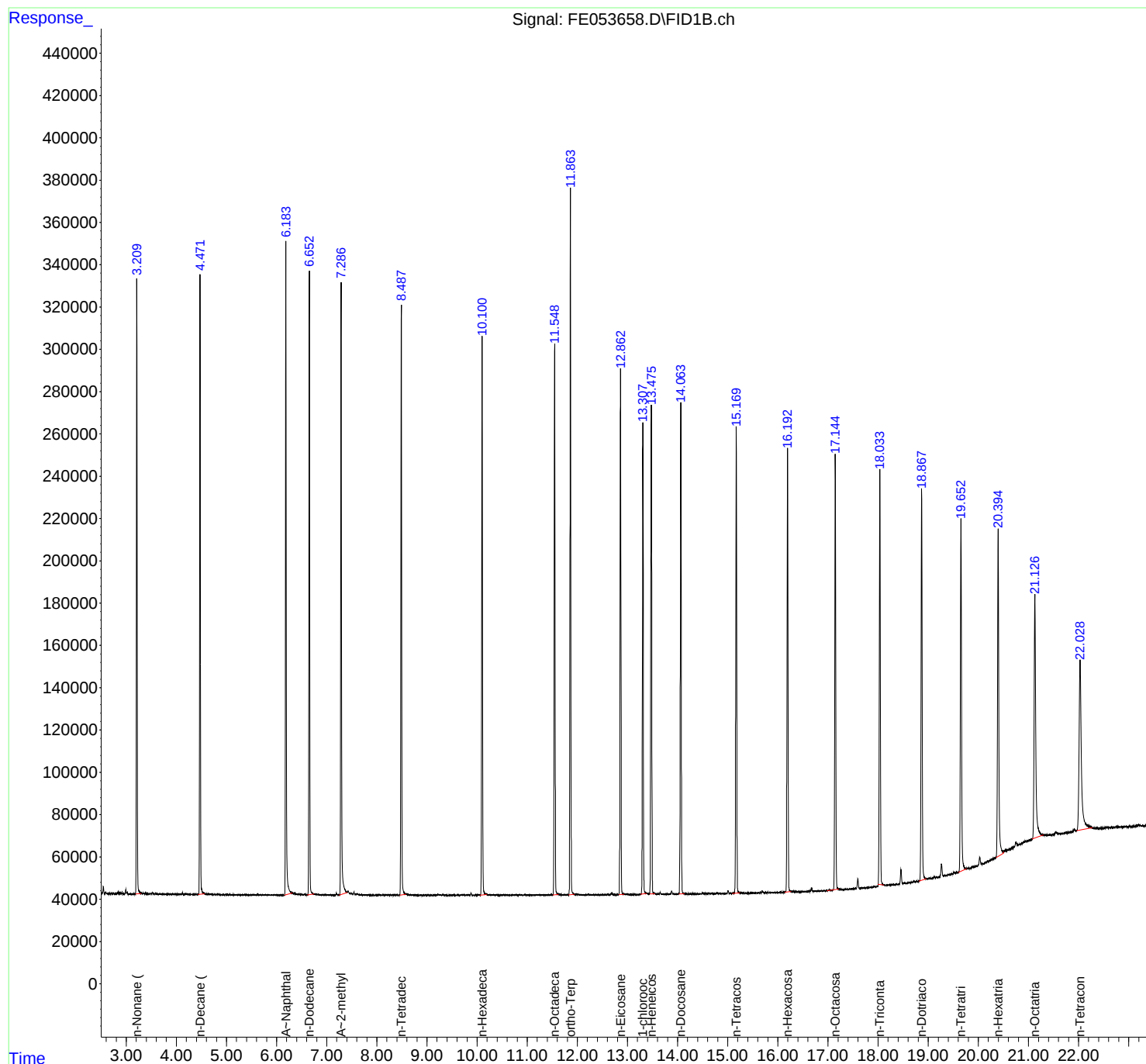
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

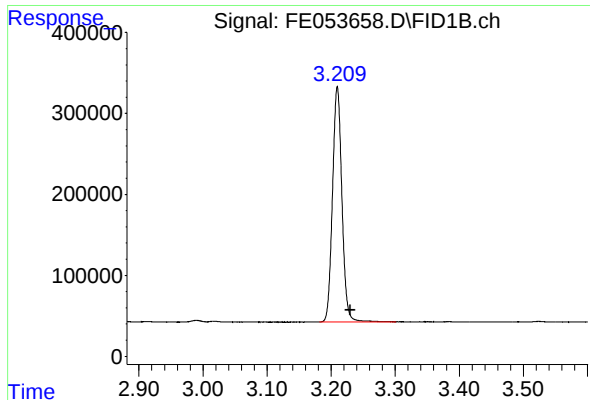
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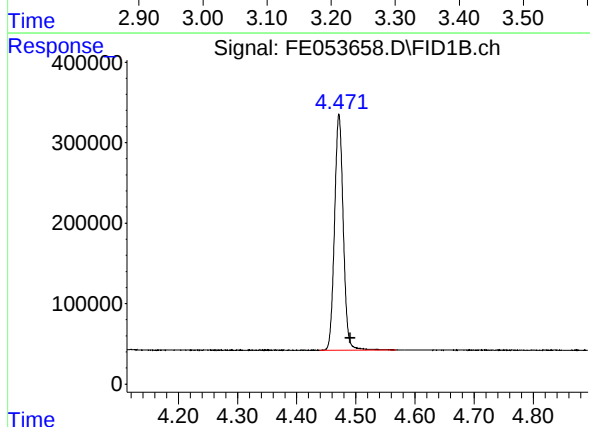
#1 n-Nonane (C9)

R.T.: 3.210 min  
Delta R.T.: -0.020 min  
Response: 2970245  
Conc: 21.66 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

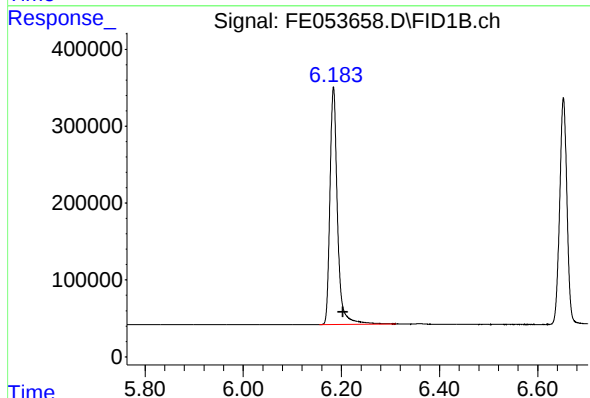
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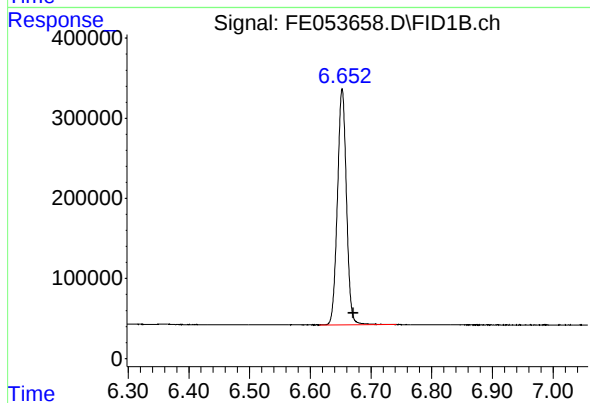
#2 n-Decane (C10)

R.T.: 4.472 min  
Delta R.T.: -0.019 min  
Response: 3002502  
Conc: 21.70 ug/ml



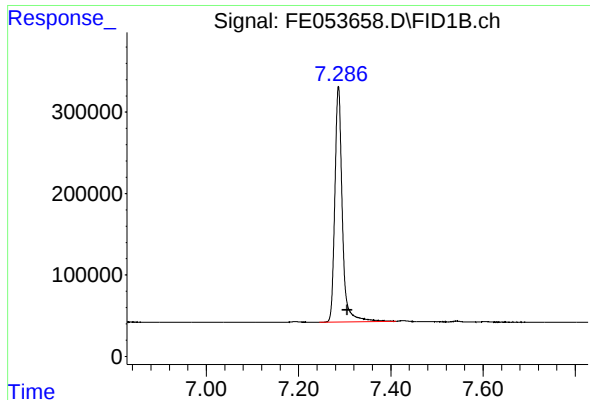
#3 A~Naphthalene (C11.7)

R.T.: 6.184 min  
Delta R.T.: -0.019 min  
Response: 3294652  
Conc: 21.83 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.653 min  
Delta R.T.: -0.018 min  
Response: 3050072  
Conc: 21.75 ug/ml



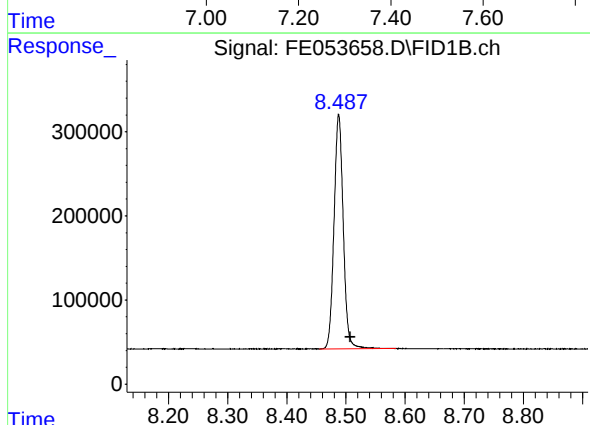
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.287 min  
Delta R.T.: -0.019 min  
Response: 3248702  
Conc: 21.76 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

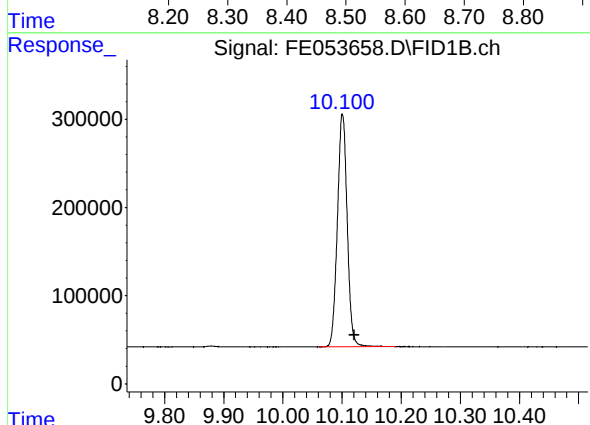
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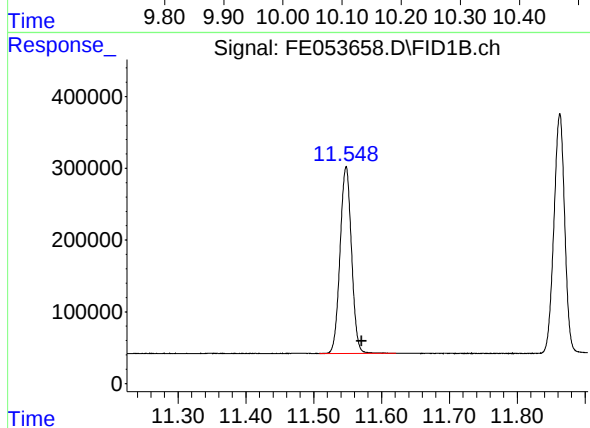
#6 n-Tetradecane (C14)

R.T.: 8.488 min  
Delta R.T.: -0.020 min  
Response: 3027246  
Conc: 21.58 ug/ml



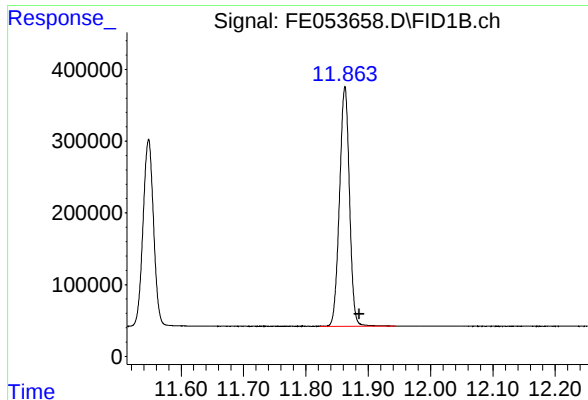
#7 n-Hexadecane (C16)

R.T.: 10.101 min  
Delta R.T.: -0.020 min  
Response: 3045968  
Conc: 21.25 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.548 min  
Delta R.T.: -0.023 min  
Response: 3046683  
Conc: 20.91 ug/ml



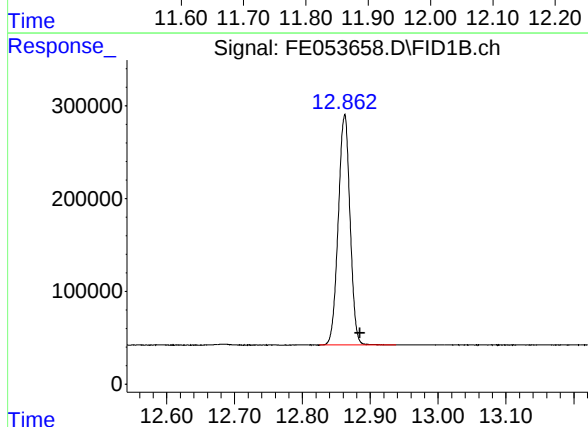
#9 ortho-Terphenyl (SURR)

R.T.: 11.863 min  
Delta R.T.: -0.023 min  
Response: 3702947  
Conc: 20.53 ug/ml

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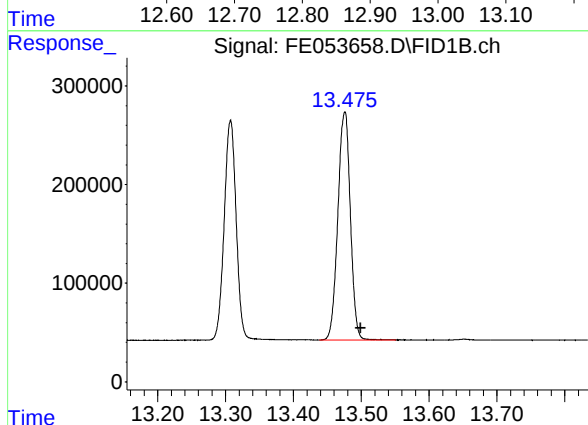
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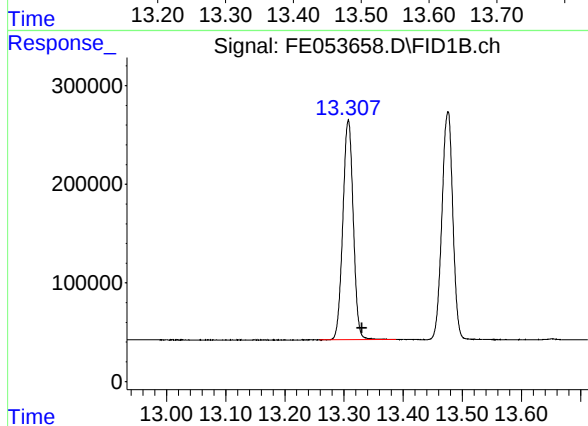
#10 n-Eicosane (C20)

R.T.: 12.862 min  
Delta R.T.: -0.023 min  
Response: 2991223  
Conc: 20.56 ug/ml



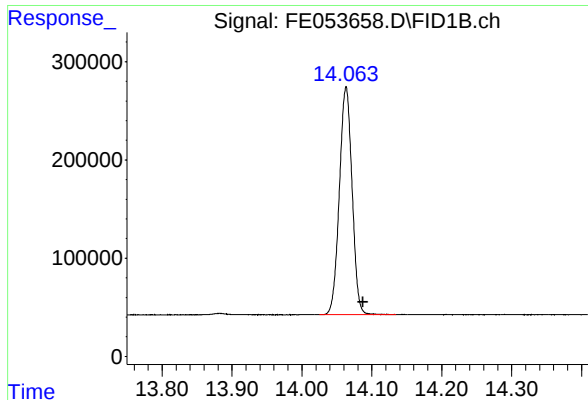
#11 n-Heneicosane (C21)

R.T.: 13.475 min  
Delta R.T.: -0.024 min  
Response: 2961251  
Conc: 20.44 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.307 min  
Delta R.T.: -0.023 min  
Response: 2726277  
Conc: 20.17 ug/ml



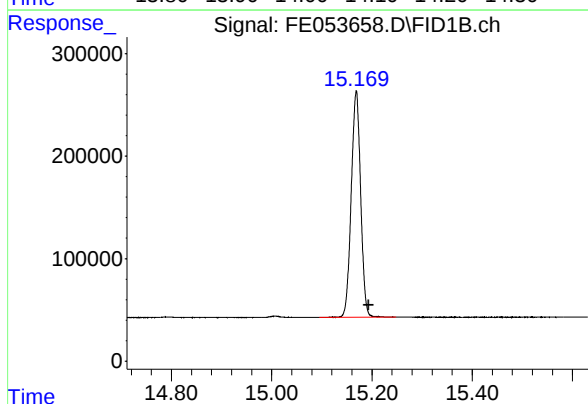
#13 n-Docosane (C22)

R.T.: 14.063 min  
Delta R.T.: -0.024 min  
Response: 2919536  
Conc: 20.23 ug/ml

Instrument :  
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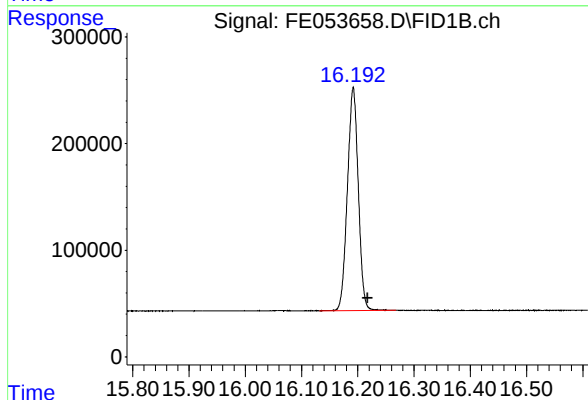
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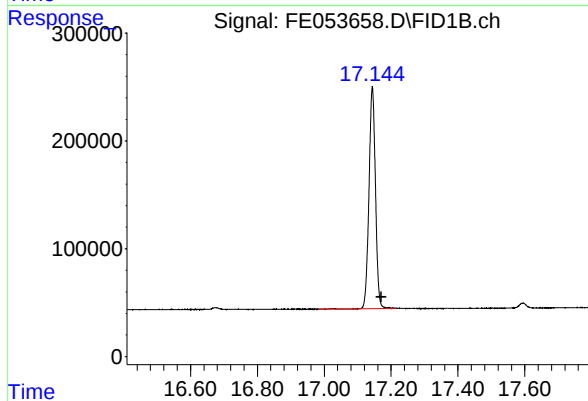
#14 n-Tetracosane (C24)

R.T.: 15.169 min  
Delta R.T.: -0.025 min  
Response: 2870161  
Conc: 19.98 ug/ml



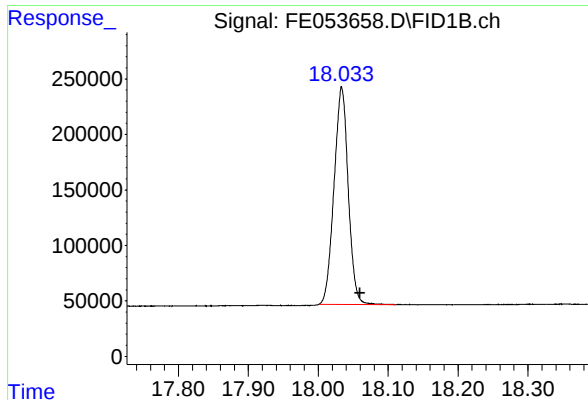
#15 n-Hexacosane (C26)

R.T.: 16.192 min  
Delta R.T.: -0.026 min  
Response: 2807416  
Conc: 19.82 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.144 min  
Delta R.T.: -0.026 min  
Response: 2752242  
Conc: 19.78 ug/ml



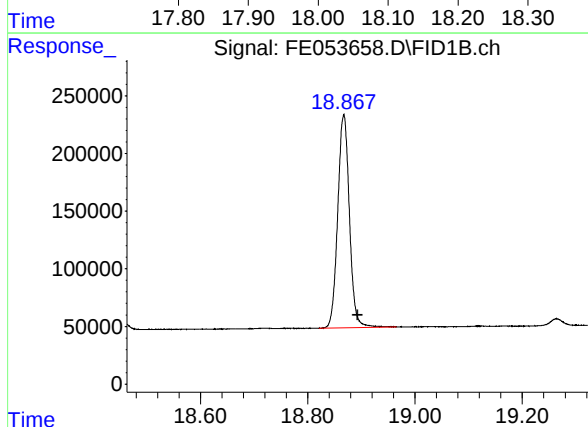
#17 n-Tricontane (C30)

R.T.: 18.034 min  
Delta R.T.: -0.026 min  
Response: 2759201  
Conc: 19.82 ug/ml

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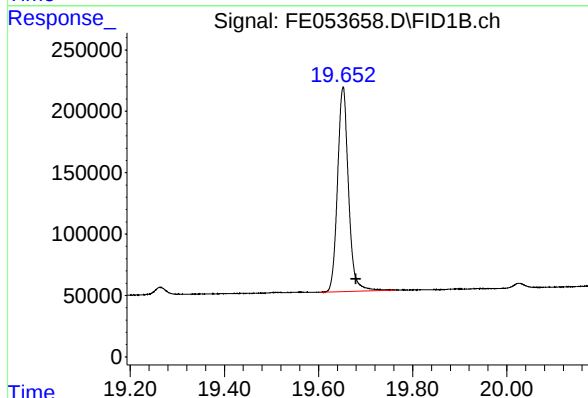
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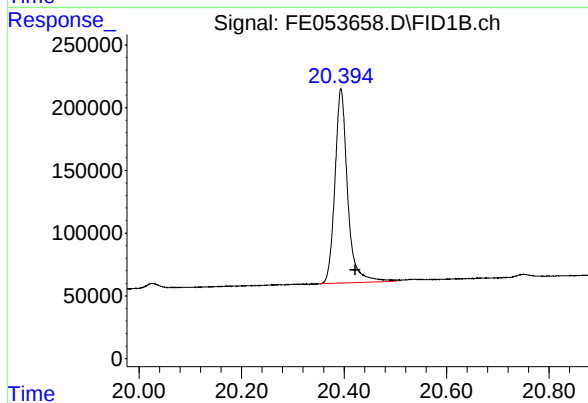
#18 n-Dotriacontane (C32)

R.T.: 18.867 min  
Delta R.T.: -0.026 min  
Response: 2791091  
Conc: 20.33 ug/ml



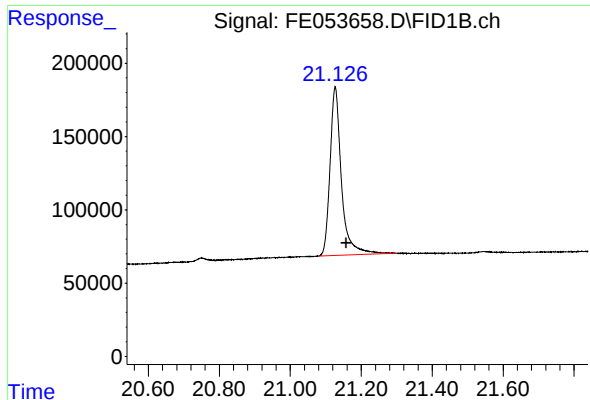
#19 n-Tetatriacontane (C34)

R.T.: 19.652 min  
Delta R.T.: -0.027 min  
Response: 2685311  
Conc: 20.61 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.394 min  
Delta R.T.: -0.028 min  
Response: 2661336  
Conc: 21.08 ug/ml



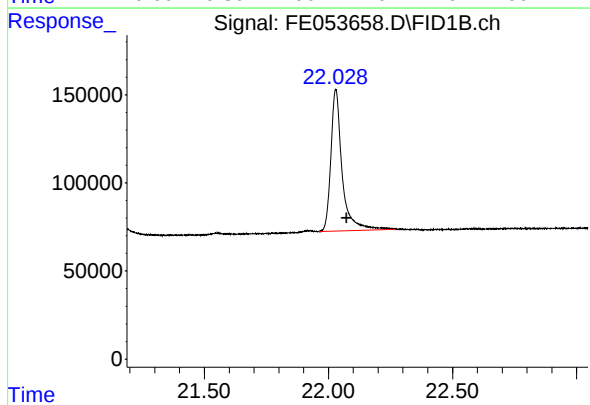
#21 n-Octatriacontane (C38)

R.T.: 21.127 min  
Delta R.T.: -0.031 min  
Response: 2561869  
Conc: 21.03 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.028 min  
Delta R.T.: -0.045 min  
Response: 2538534  
Conc: 21.26 ug/ml m