

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE110424AL\  
 Data File : FE051020.D  
 Signal(s) : FID1B.ch  
 Acq On : 05 Nov 2024 02:26  
 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 11/06/2024  
 Supervised By :Ankita Jodhani 11/06/2024

Integration File: sample.E  
 Quant Time: Nov 05 03:50:35 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 100824.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Oct 07 16:32:18 2024  
 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)    | 11.851 | 2879950    | 18.267 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 36.53%        |
| 12) S 1-chlorooctadecane (S... | 13.285 | 2334750    | 19.737 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 39.47%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.240  | 2752282    | 19.480 ug/ml  |
| 2) T n-Decane (C10)            | 4.491  | 2871033    | 20.011 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.204  | 2700017    | 18.882 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.659  | 2871866    | 19.953 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.299  | 2508461    | 18.935 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.485  | 2836097    | 19.824 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.090 | 2921828    | 19.853 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.531 | 2952374    | 19.766 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.838 | 2849981    | 19.874 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.450 | 2767745    | 19.709 ug/ml  |
| 13) T n-Docosane (C22)         | 14.035 | 2872801    | 20.477 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.137 | 3076456    | 21.776 ug/mlm |
| 15) T n-Hexacosane (C26)       | 16.155 | 3217184    | 22.863 ug/mlm |
| 16) T n-Octacosane (C28)       | 17.104 | 3528819    | 24.115 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.991 | 3972518    | 24.984 ug/mlm |
| 18) T n-Dotriacontane (C32)    | 18.823 | 4079376    | 25.164 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.605 | 3532214    | 24.046 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.343 | 2863747    | 22.582 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 21.068 | 2403490    | 19.438 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.949 | 2007614    | 18.030 ug/ml  |
| -----                          |        |            |               |

(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

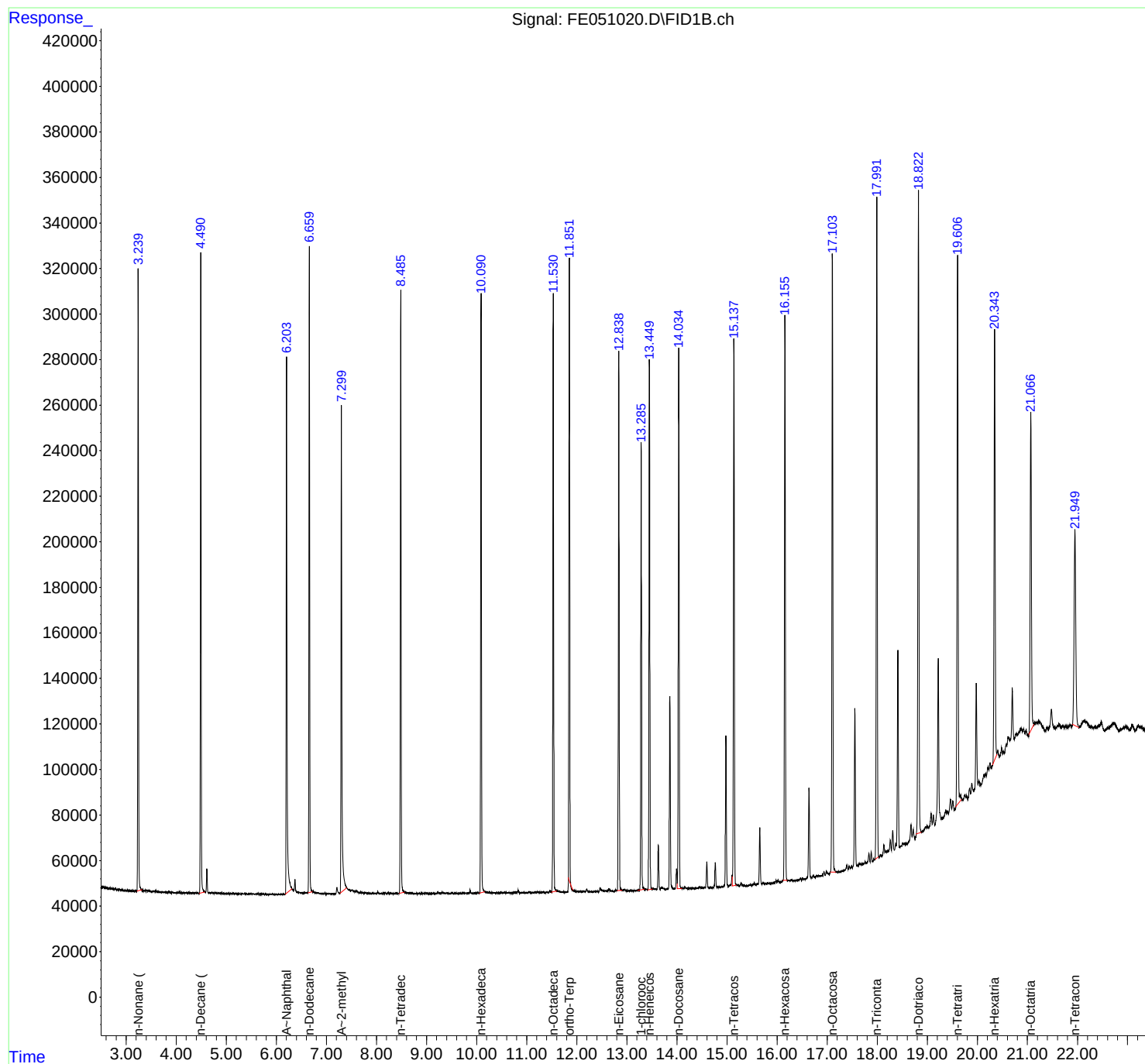
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

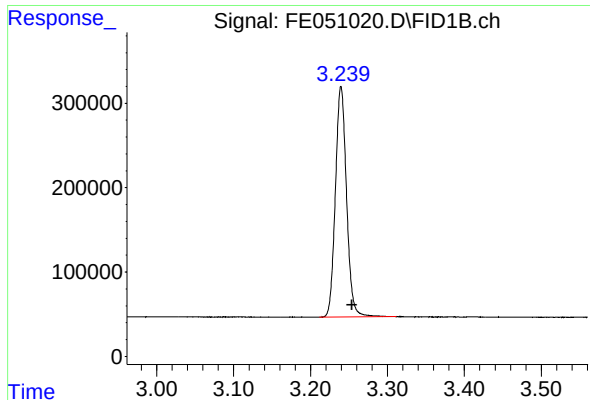
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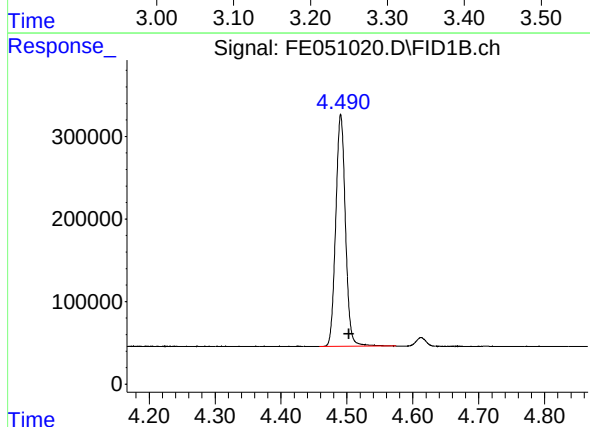
#1 n-Nonane (C9)

R.T.: 3.240 min  
Delta R.T.: -0.014 min  
Response: 2752282  
Conc: 19.48 ug/ml

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

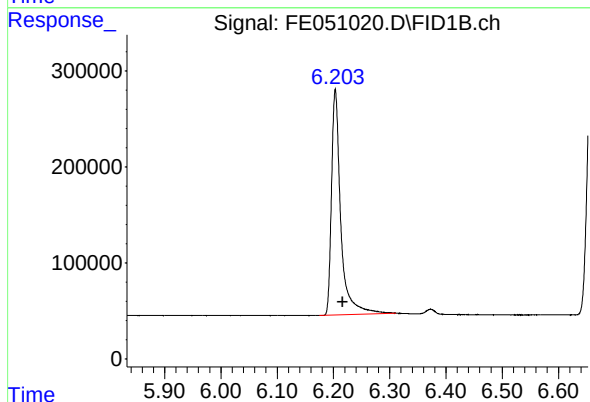
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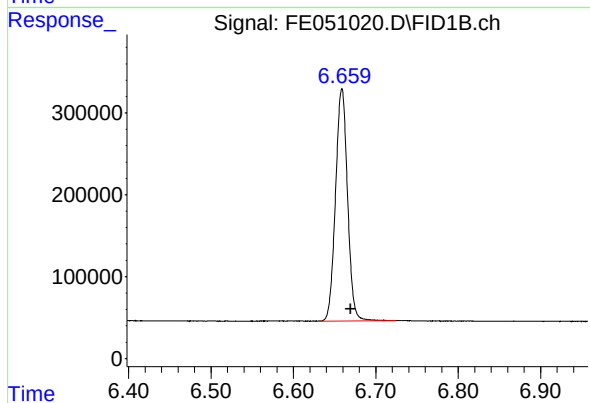
#2 n-Decane (C10)

R.T.: 4.491 min  
Delta R.T.: -0.012 min  
Response: 2871033  
Conc: 20.01 ug/ml



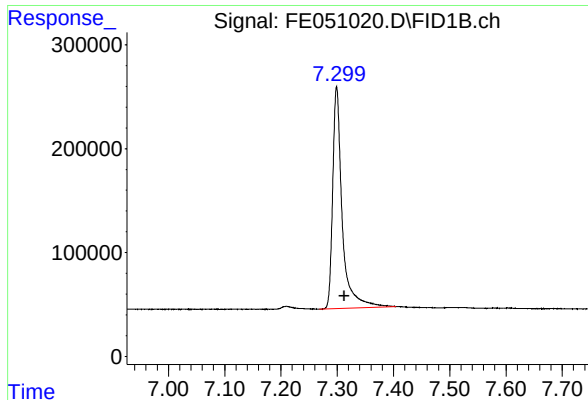
#3 A~Naphthalene (C11.7)

R.T.: 6.204 min  
Delta R.T.: -0.013 min  
Response: 2700017  
Conc: 18.88 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.659 min  
Delta R.T.: -0.011 min  
Response: 2871866  
Conc: 19.95 ug/ml



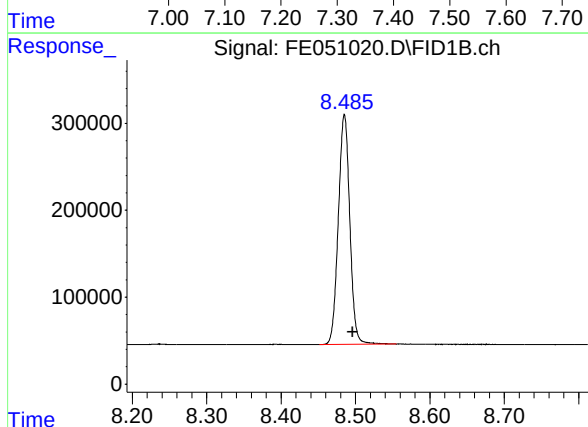
# #5 A~2-methylnaphthalene (C12.89)

R.T.: 7.299 min  
Delta R.T.: -0.014 min  
Response: 2508461  
Conc: 18.93 ug/ml

Instrument : FID\_E  
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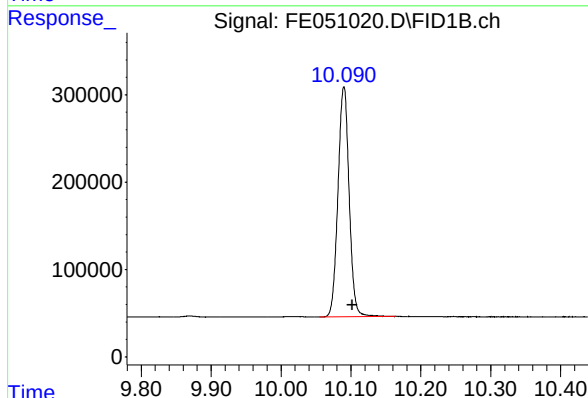
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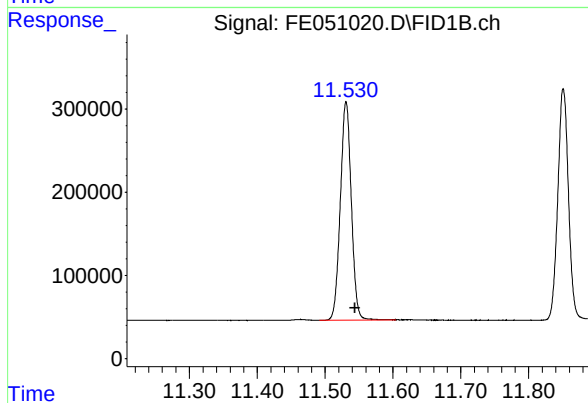
# #6 n-Tetradecane (C14)

R.T.: 8.485 min  
Delta R.T.: -0.011 min  
Response: 2836097  
Conc: 19.82 ug/ml



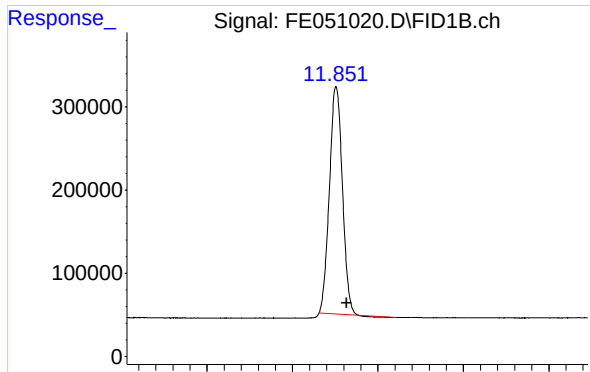
# #7 n-Hexadecane (C16)

R.T.: 10.090 min  
Delta R.T.: -0.012 min  
Response: 2921828  
Conc: 19.85 ug/ml



# #8 n-Octadecane (C18)

R.T.: 11.531 min  
Delta R.T.: -0.013 min  
Response: 2952374  
Conc: 19.77 ug/ml



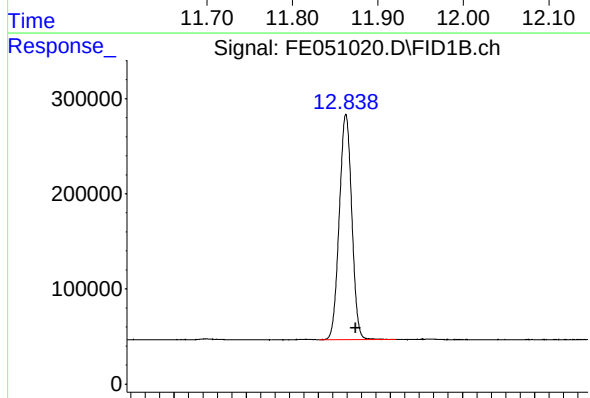
#9 ortho-Terphenyl (SURR)

R.T.: 11.851 min  
Delta R.T.: -0.012 min  
Response: 2879950  
Conc: 18.27 ug/ml

Instrument :  
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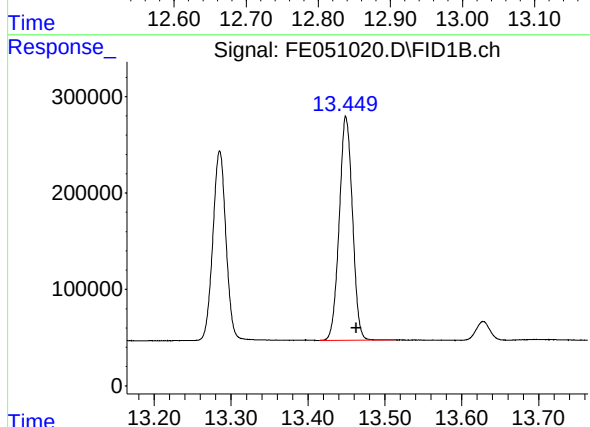
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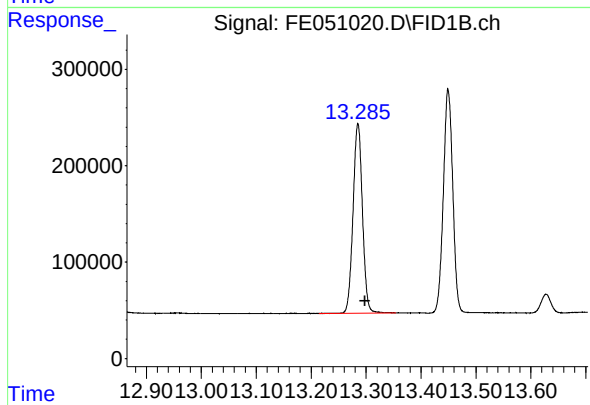
#10 n-Eicosane (C20)

R.T.: 12.838 min  
Delta R.T.: -0.013 min  
Response: 2849981  
Conc: 19.87 ug/ml



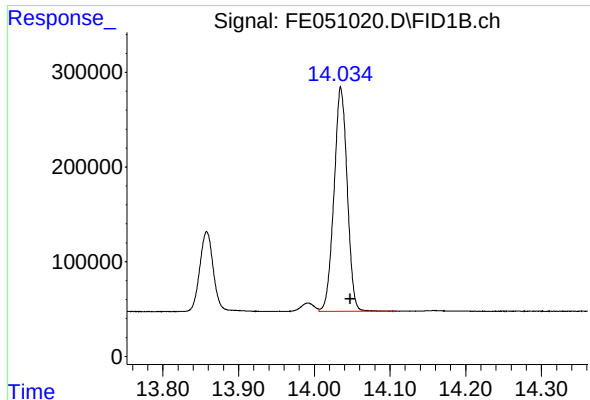
#11 n-Heneicosane (C21)

R.T.: 13.450 min  
Delta R.T.: -0.013 min  
Response: 2767745  
Conc: 19.71 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.285 min  
Delta R.T.: -0.013 min  
Response: 2334750  
Conc: 19.74 ug/ml



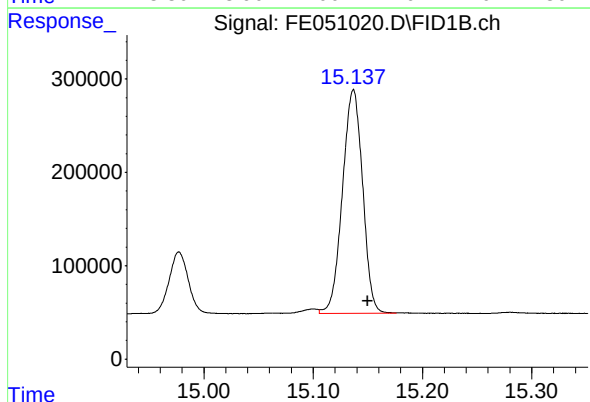
#13 n-Docosane (C22)

R.T.: 14.035 min  
Delta R.T.: -0.013 min  
Response: 2872801  
Conc: 20.48 ug/ml

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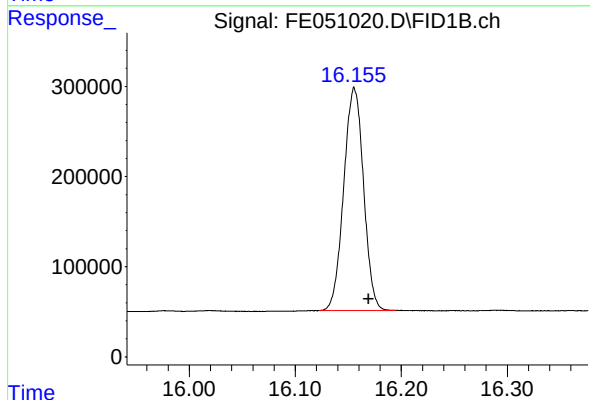
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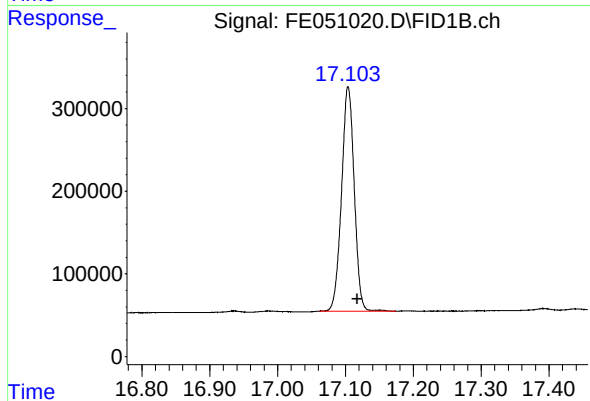
#14 n-Tetracosane (C24)

R.T.: 15.137 min  
Delta R.T.: -0.013 min  
Response: 3076456  
Conc: 21.78 ug/ml m



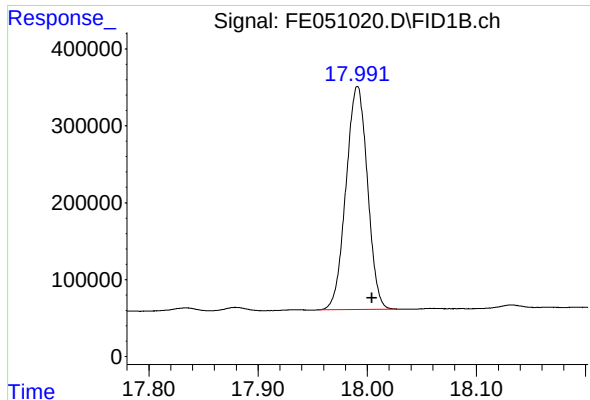
#15 n-Hexacosane (C26)

R.T.: 16.155 min  
Delta R.T.: -0.014 min  
Response: 3217184  
Conc: 22.86 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.104 min  
Delta R.T.: -0.013 min  
Response: 3528819  
Conc: 24.12 ug/ml



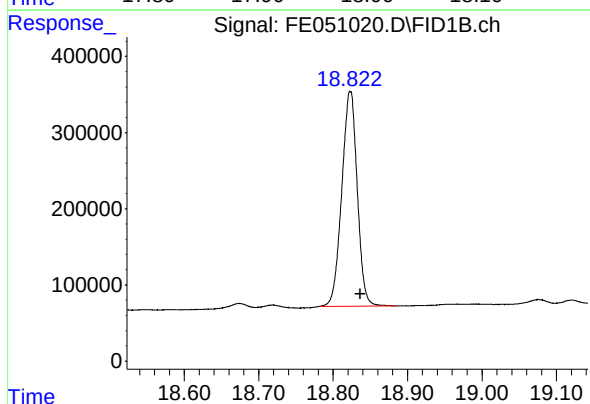
#17 n-Tricontane (C30)

R.T.: 17.991 min  
Delta R.T.: -0.014 min  
Response: 3972518  
Conc: 24.98 ug/ml

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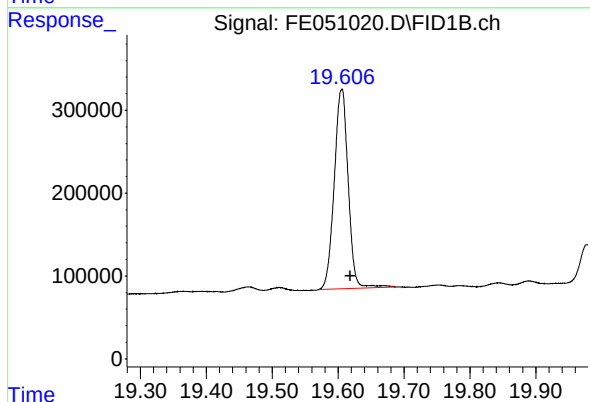
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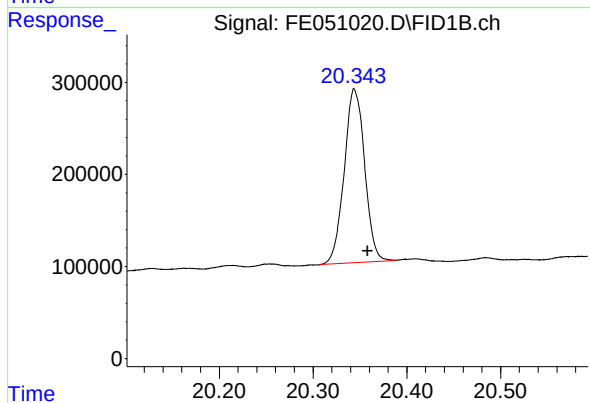
#18 n-Dotriacontane (C32)

R.T.: 18.823 min  
Delta R.T.: -0.014 min  
Response: 4079376  
Conc: 25.16 ug/ml



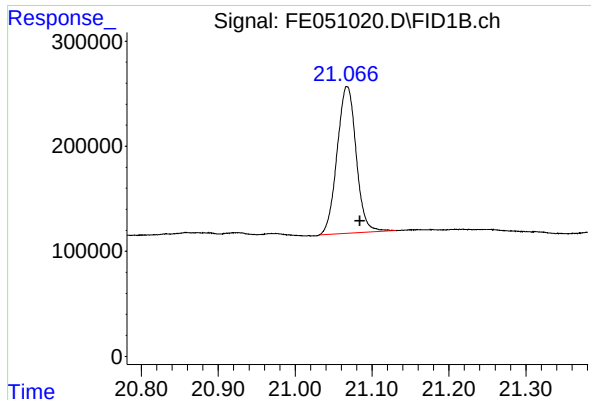
#19 n-Tetatriacontane (C34)

R.T.: 19.605 min  
Delta R.T.: -0.013 min  
Response: 3532214  
Conc: 24.05 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.343 min  
Delta R.T.: -0.015 min  
Response: 2863747  
Conc: 22.58 ug/ml m



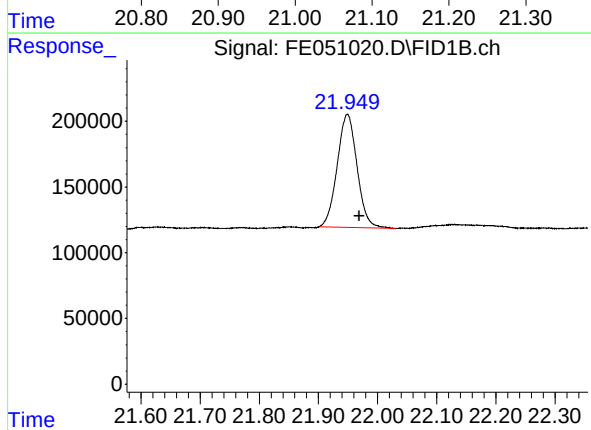
#21 n-Octatriacontane (C38)

R.T.: 21.068 min  
Delta R.T.: -0.017 min  
Response: 2403490  
Conc: 19.44 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.949 min  
Delta R.T.: -0.020 min  
Response: 2007614  
Conc: 18.03 ug/ml