

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE111422AL\  
 Data File : FE038762.D  
 Signal(s) : FID1B.ch  
 Acq On : 14 Nov 2022 10:52  
 Operator : YP\AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/15/2022  
 Supervised By :Ankita Jodhani 11/15/2022

Integration File: sample.E  
 Quant Time: Nov 15 03:58:19 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aliphatic EPH 102522.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Oct 26 04:49:29 2022  
 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)    | 11.964 | 2790896    | 16.219 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 32.44%        |
| 12) S 1-chlorooctadecane (S... | 13.398 | 2149649    | 15.702 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 31.40%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.346  | 2571475    | 16.697 ug/ml  |
| 2) T n-Decane (C10)            | 4.597  | 2648876    | 17.065 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.306  | 2865320    | 16.919 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.763  | 2648117    | 16.952 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.402  | 2799454    | 16.705 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.592  | 2633460    | 16.839 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.199 | 2640460    | 16.713 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.643 | 2673282    | 16.689 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.953 | 2631174    | 16.330 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.565 | 2600307    | 16.098 ug/ml  |
| 13) T n-Docosane (C22)         | 14.152 | 2584176    | 16.007 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.254 | 2544098    | 15.861 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.276 | 2507570    | 15.787 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.226 | 2526289    | 16.102 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.114 | 2673381    | 16.755 ug/mlm |
| 18) T n-Dotriacontane (C32)    | 18.946 | 2820670    | 17.890 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.732 | 2712257    | 18.398 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 20.472 | 2805937    | 19.638 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.215 | 2737834    | 20.271 ug/mlm |
| 22) T n-Tetracontane (C40)     | 22.143 | 2851698    | 22.591 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Misc :  
ALS Vial : 6 Sample Multiplier: 1

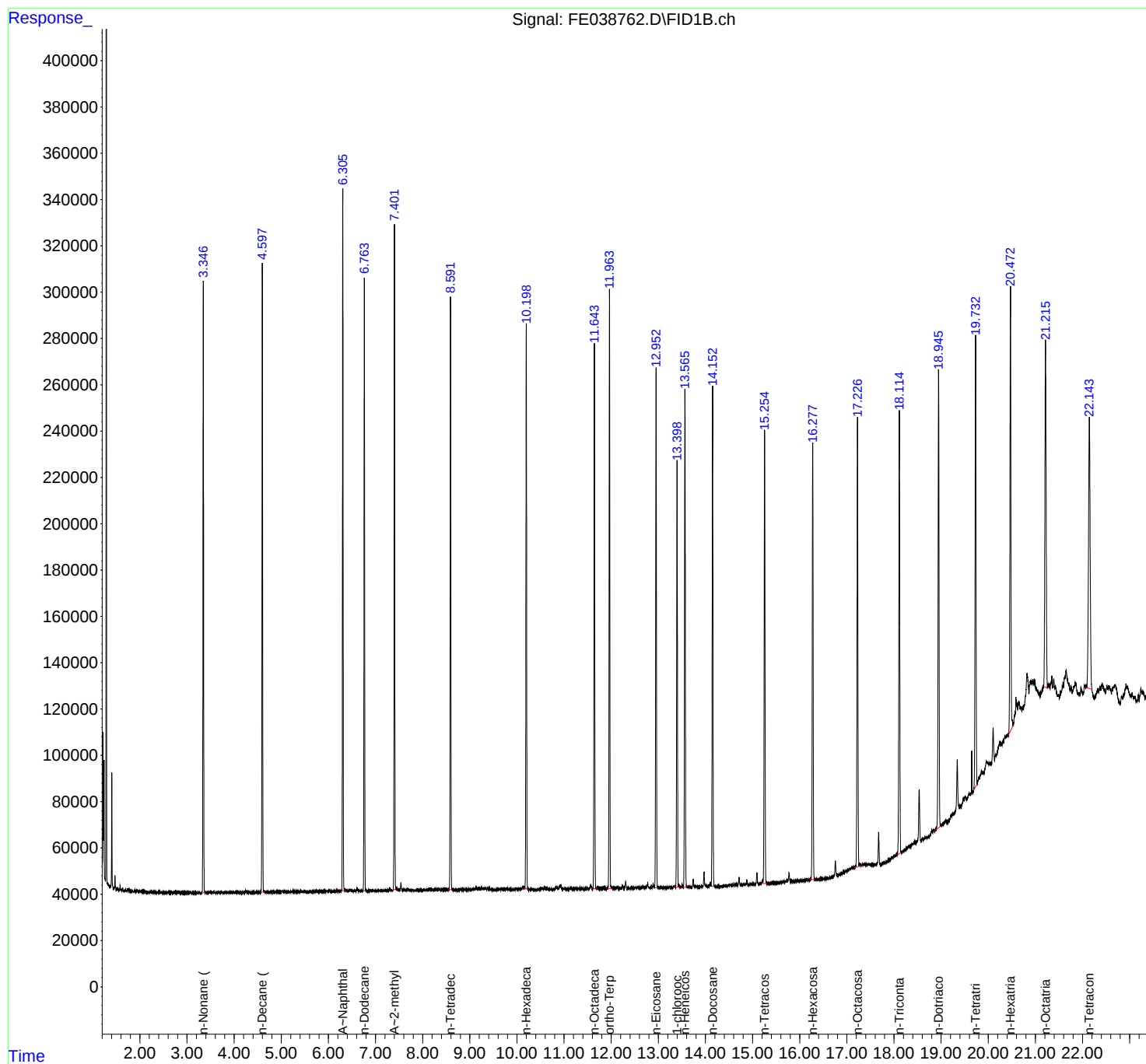
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

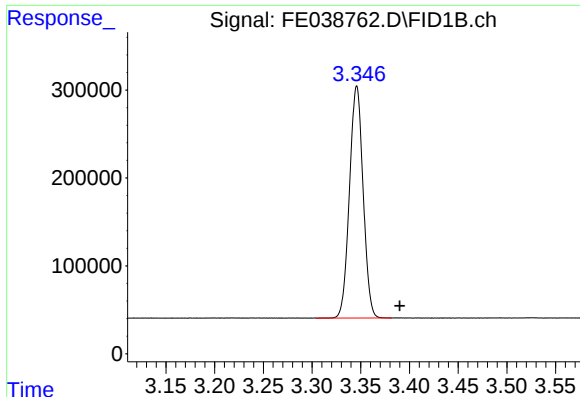
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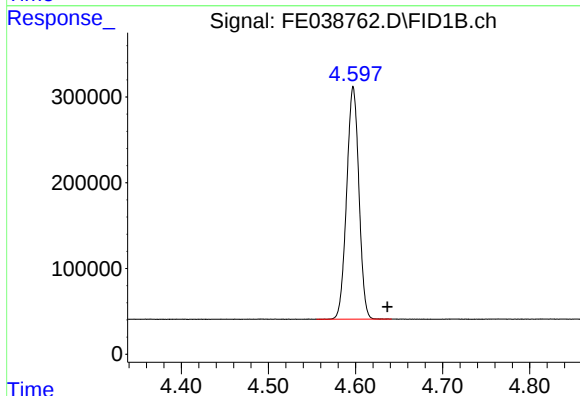
#1 n-Nonane (C9)

R.T.: 3.346 min  
Delta R.T.: -0.044 min  
Response: 2571475  
Conc: 16.70 ug/ml

Instrument :  
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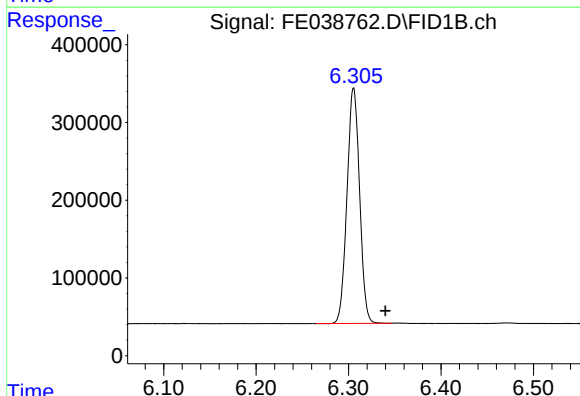
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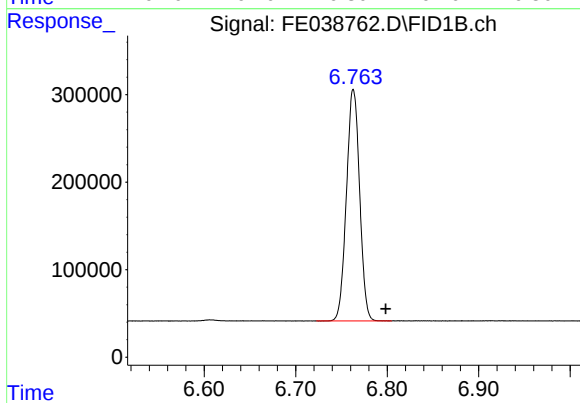
#2 n-Decane (C10)

R.T.: 4.597 min  
Delta R.T.: -0.039 min  
Response: 2648876  
Conc: 17.07 ug/ml



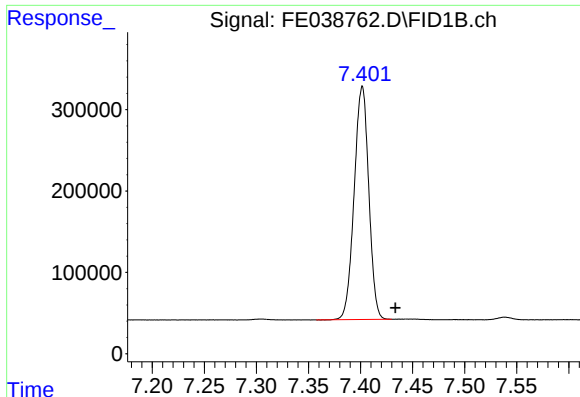
#3 A~Naphthalene (C11.7)

R.T.: 6.306 min  
Delta R.T.: -0.035 min  
Response: 2865320  
Conc: 16.92 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.763 min  
Delta R.T.: -0.035 min  
Response: 2648117  
Conc: 16.95 ug/ml



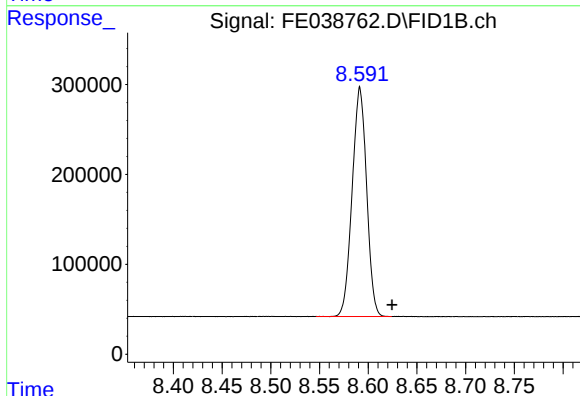
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.402 min  
Delta R.T.: -0.032 min  
Response: 2799454  
Conc: 16.70 ug/ml

Instrument :  
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ClientSampleId :  
20 PPM ALIPHATIC HC STD

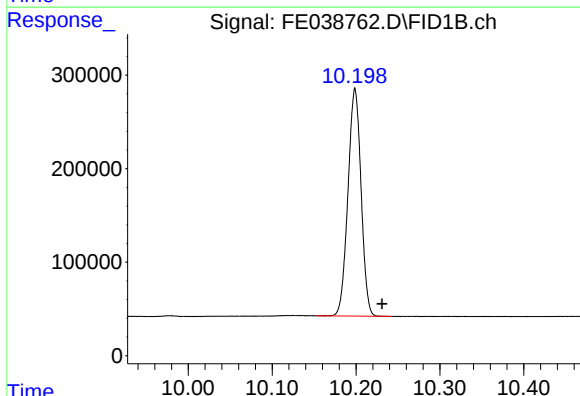
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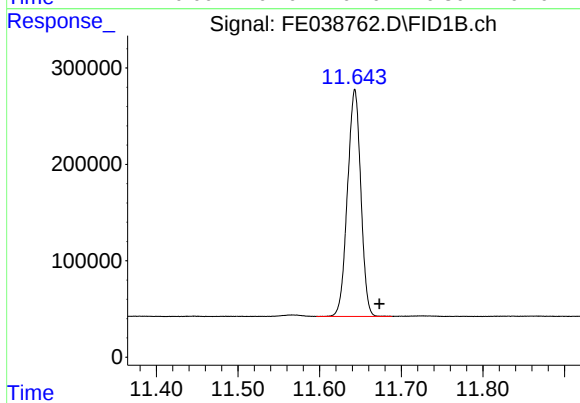
#6 n-Tetradecane (C14)

R.T.: 8.592 min  
Delta R.T.: -0.033 min  
Response: 2633460  
Conc: 16.84 ug/ml



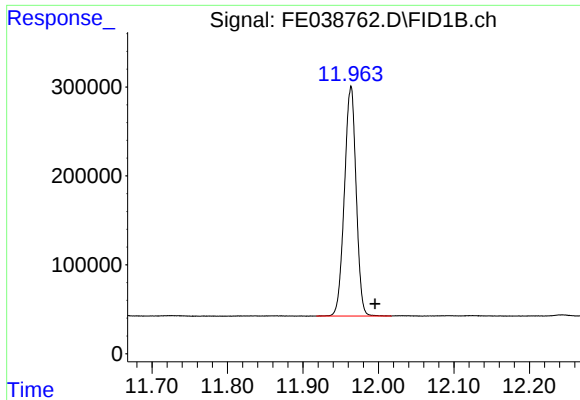
#7 n-Hexadecane (C16)

R.T.: 10.199 min  
Delta R.T.: -0.032 min  
Response: 2640460  
Conc: 16.71 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.643 min  
Delta R.T.: -0.030 min  
Response: 2673282  
Conc: 16.69 ug/ml



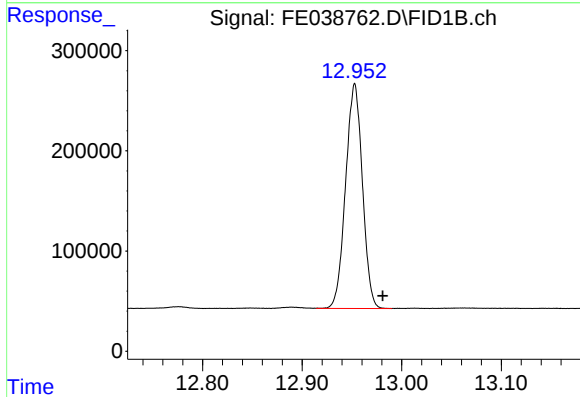
#9 ortho-Terphenyl (SURR)

R.T.: 11.964 min  
Delta R.T.: -0.032 min  
Response: 2790896  
Conc: 16.22 ug/ml

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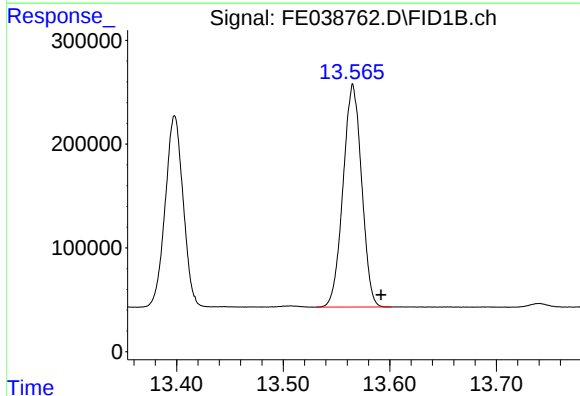
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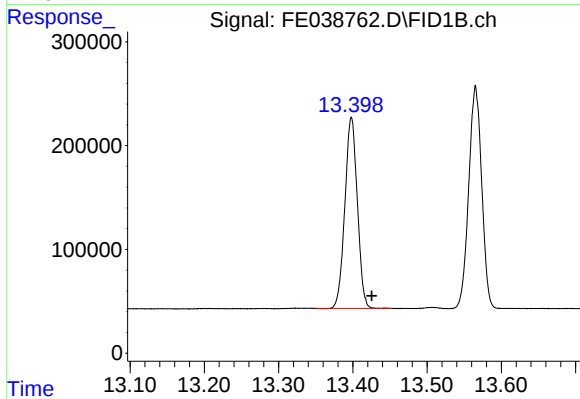
#10 n-Eicosane (C20)

R.T.: 12.953 min  
Delta R.T.: -0.028 min  
Response: 2631174  
Conc: 16.33 ug/ml



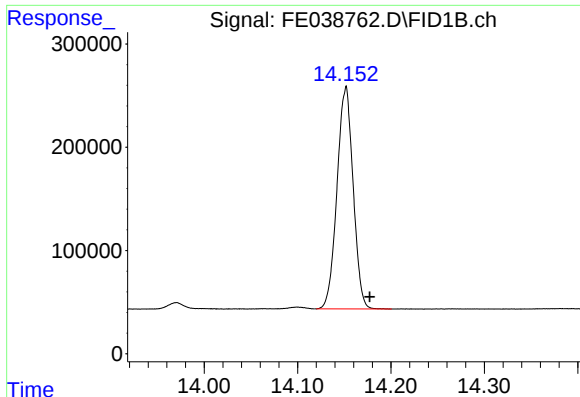
#11 n-Heneicosane (C21)

R.T.: 13.565 min  
Delta R.T.: -0.027 min  
Response: 2600307  
Conc: 16.10 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.398 min  
Delta R.T.: -0.028 min  
Response: 2149649  
Conc: 15.70 ug/ml



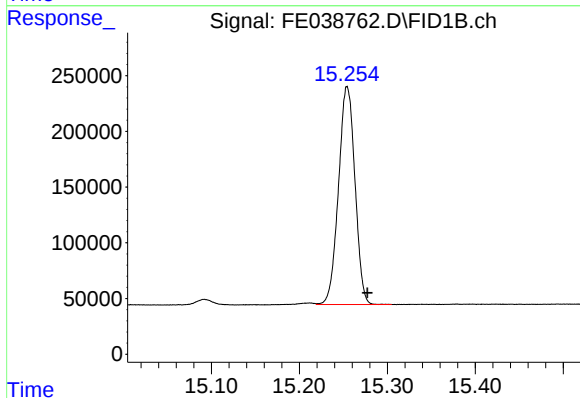
#13 n-Docosane (C22)

R.T.: 14.152 min  
Delta R.T.: -0.026 min  
Response: 2584176  
Conc: 16.01 ug/ml

Instrument :  
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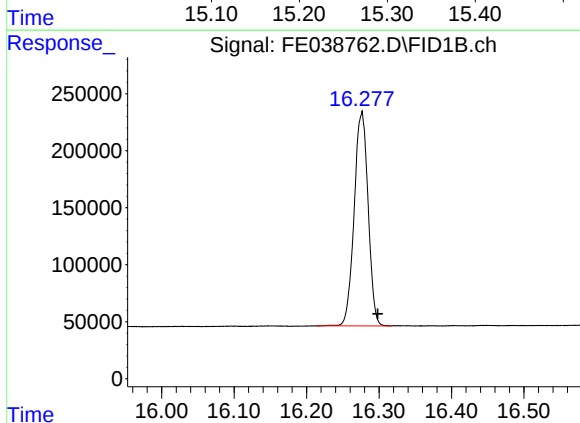
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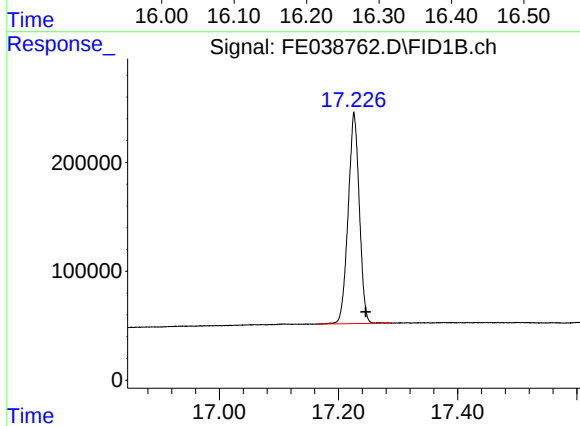
#14 n-Tetracosane (C24)

R.T.: 15.254 min  
Delta R.T.: -0.023 min  
Response: 2544098  
Conc: 15.86 ug/ml



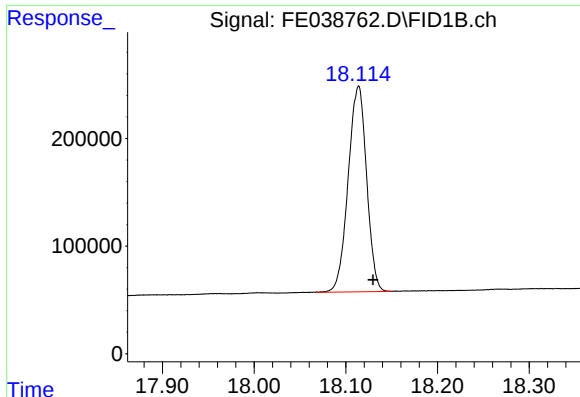
#15 n-Hexacosane (C26)

R.T.: 16.276 min  
Delta R.T.: -0.022 min  
Response: 2507570  
Conc: 15.79 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.226 min  
Delta R.T.: -0.020 min  
Response: 2526289  
Conc: 16.10 ug/ml



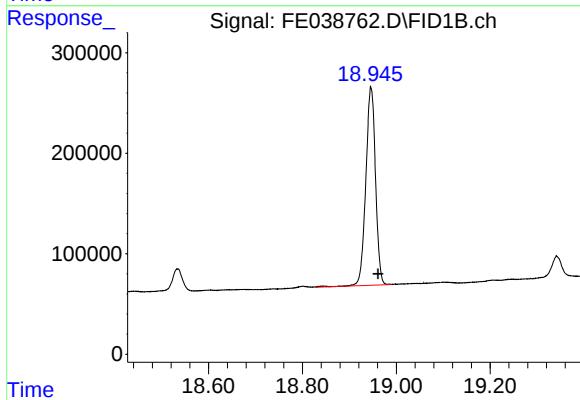
#17 n-Tricontane (C30)

R.T.: 18.114 min  
Delta R.T.: -0.016 min  
Response: 2673381  
Conc: 16.75 ug/ml

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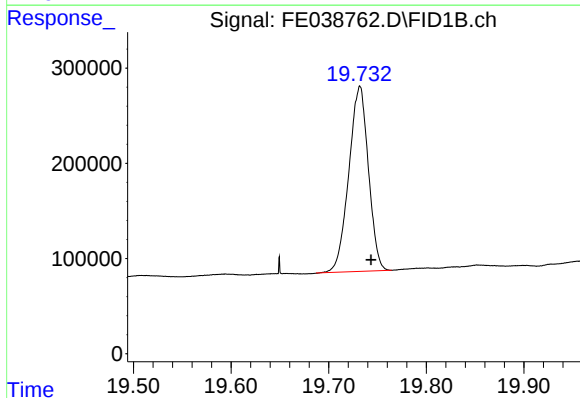
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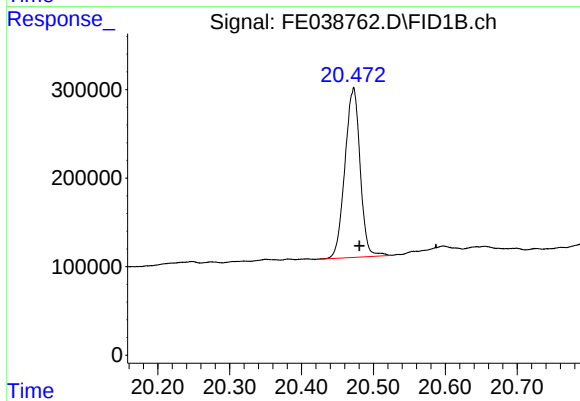
#18 n-Dotriacontane (C32)

R.T.: 18.946 min  
Delta R.T.: -0.015 min  
Response: 2820670  
Conc: 17.89 ug/ml



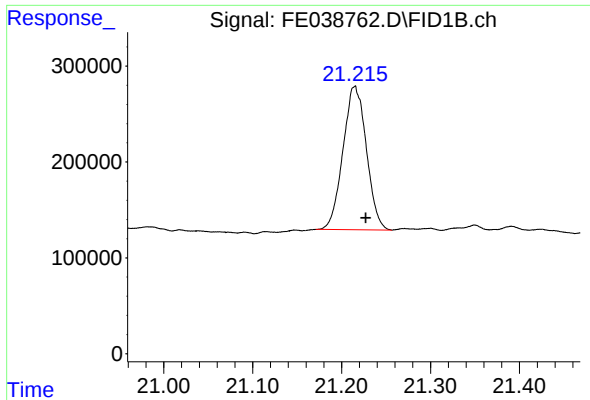
#19 n-Tetratriacontane (C34)

R.T.: 19.732 min  
Delta R.T.: -0.012 min  
Response: 2712257  
Conc: 18.40 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.472 min  
Delta R.T.: -0.008 min  
Response: 2805937  
Conc: 19.64 ug/ml



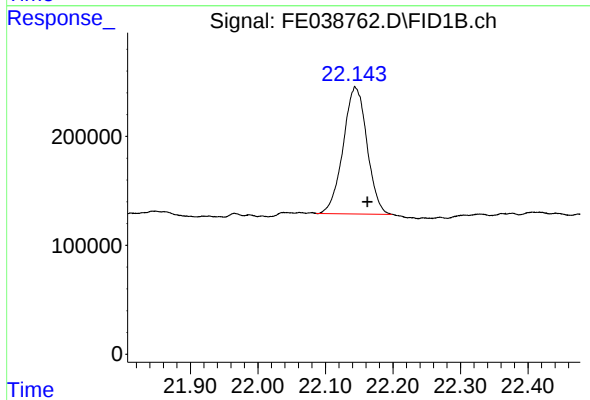
#21 n-Octatriacontane (C38)

R.T.: 21.215 min  
Delta R.T.: -0.012 min  
Response: 2737834  
Conc: 20.27 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.143 min  
Delta R.T.: -0.019 min  
Response: 2851698  
Conc: 22.59 ug/ml m