

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE111722AL\  
 Data File : FE038808.D  
 Signal(s) : FID1B.ch  
 Acq On : 17 Nov 2022 14:38  
 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 11/18/2022  
 Supervised By :Ankita Jodhani 11/18/2022

Integration File: autoint1.e  
 Quant Time: Nov 18 04:39:02 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)    | 11.959 | 2980584    | 17.322 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 34.64%        |
| 12) S 1-chlorooctadecane (S... | 13.394 | 2302359    | 16.818 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 33.64%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.352  | 2831074    | 18.382 ug/ml  |
| 2) T n-Decane (C10)            | 4.602  | 2847590    | 18.345 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.306  | 3092548    | 18.261 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.765  | 2860014    | 18.308 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.400  | 3003620    | 17.923 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.591  | 2838513    | 18.150 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.197 | 2844367    | 18.004 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.640 | 2839702    | 17.728 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.949 | 2784825    | 17.283 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.560 | 2759249    | 17.082 ug/ml  |
| 13) T n-Docosane (C22)         | 14.146 | 2733451    | 16.932 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.248 | 2670754    | 16.651 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.269 | 2618447    | 16.485 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.218 | 2567713    | 16.366 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.106 | 2589825    | 16.231 ug/mlm |
| 18) T n-Dotriacontane (C32)    | 18.939 | 2635654    | 16.716 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.721 | 2634073    | 17.867 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 20.463 | 2759537    | 19.313 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.206 | 2819927    | 20.878 ug/ml  |
| 22) T n-Tetracontane (C40)     | 22.131 | 2901027    | 22.982 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Acq On : 17 Nov 2022 14:38  
Operator : YP\AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

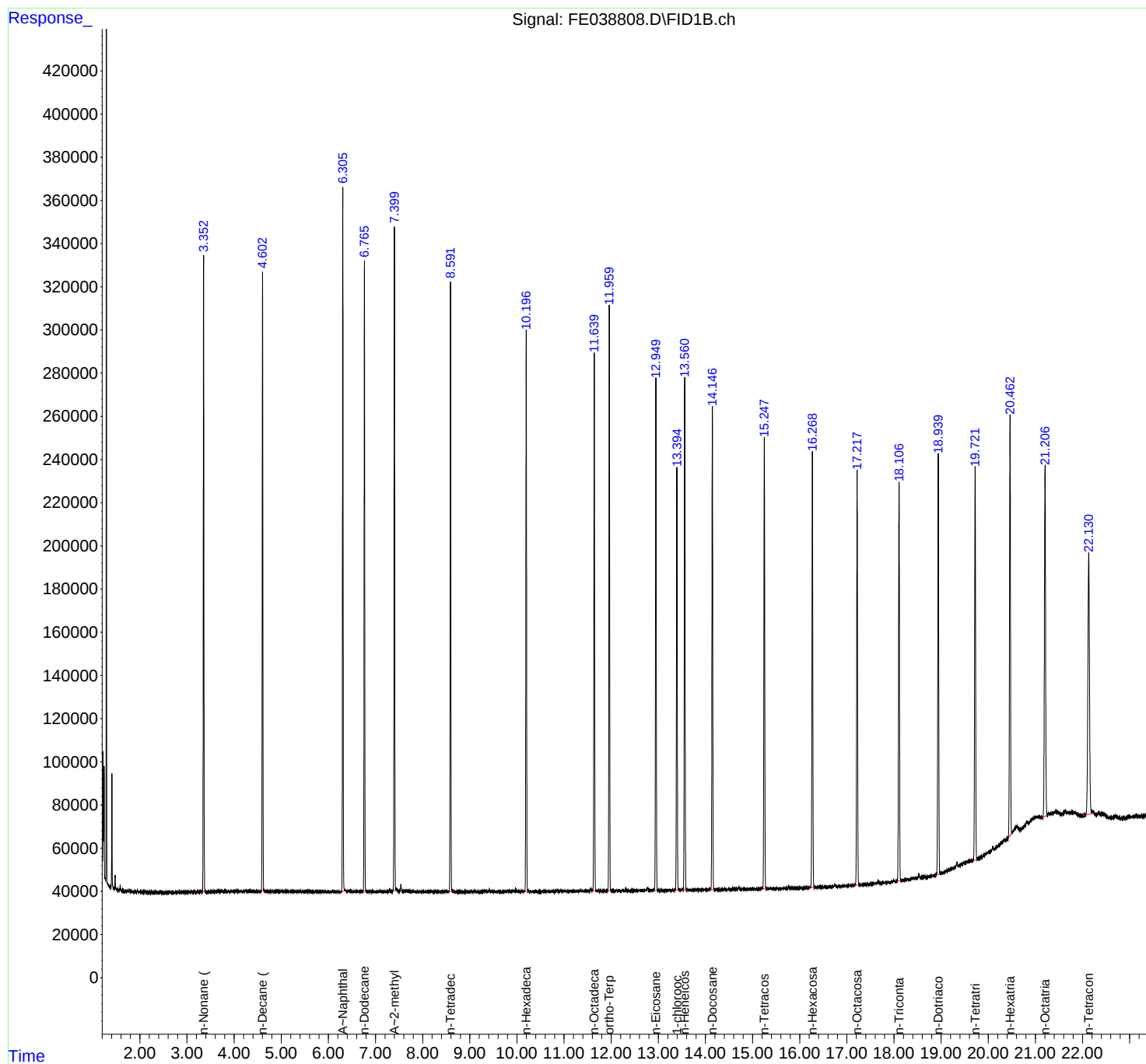
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

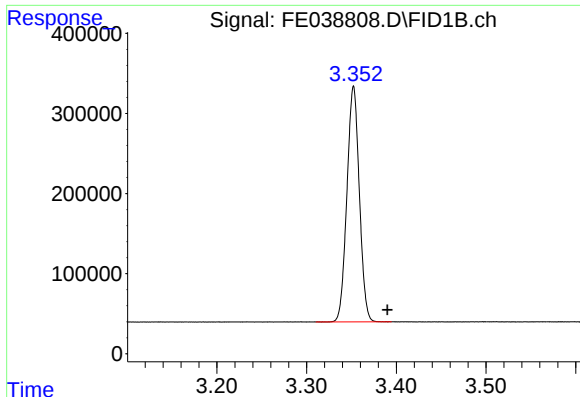
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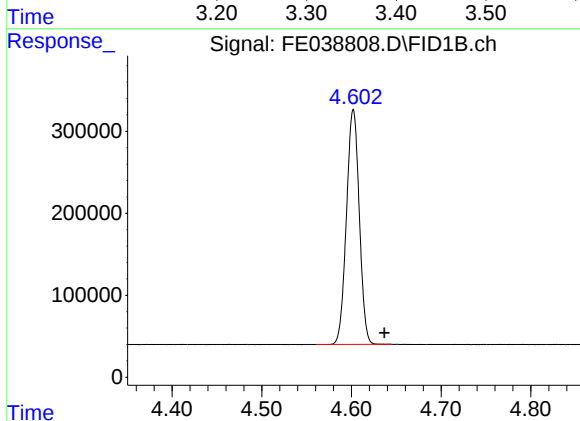
#1 n-Nonane (C9)

R.T.: 3.352 min  
Delta R.T.: -0.038 min  
Response: 2831074  
Conc: 18.38 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

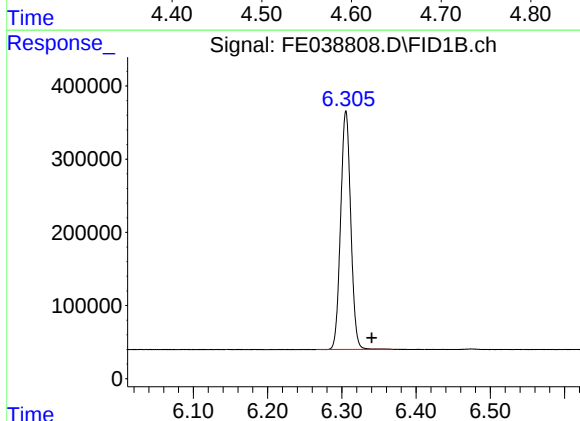
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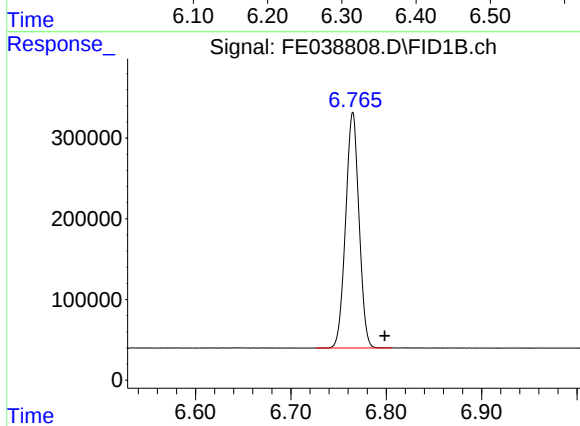
#2 n-Decane (C10)

R.T.: 4.602 min  
Delta R.T.: -0.035 min  
Response: 2847590  
Conc: 18.35 ug/ml



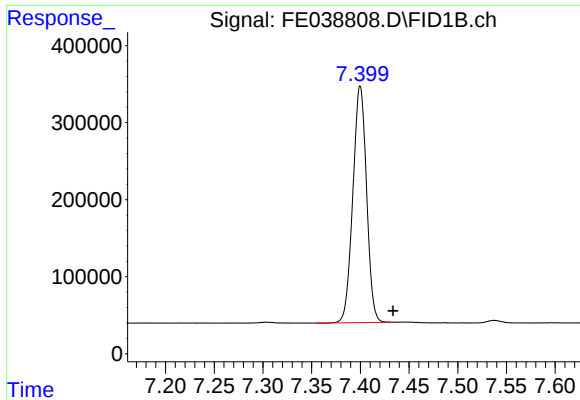
#3 A~Naphthalene (C11.7)

R.T.: 6.306 min  
Delta R.T.: -0.035 min  
Response: 3092548  
Conc: 18.26 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.765 min  
Delta R.T.: -0.033 min  
Response: 2860014  
Conc: 18.31 ug/ml



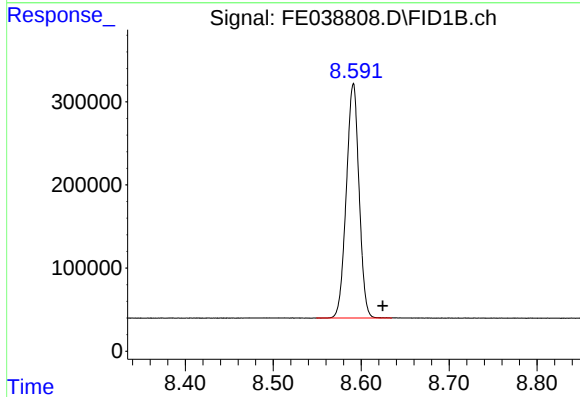
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.400 min  
Delta R.T.: -0.034 min  
Response: 3003620  
Conc: 17.92 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

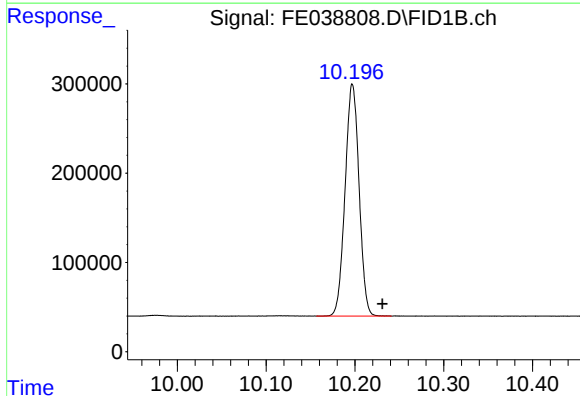
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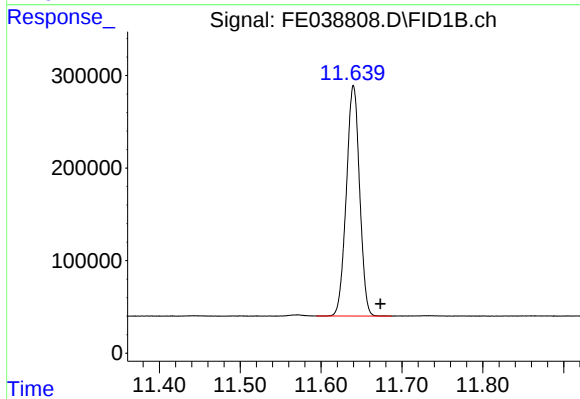
#6 n-Tetradecane (C14)

R.T.: 8.591 min  
Delta R.T.: -0.033 min  
Response: 2838513  
Conc: 18.15 ug/ml



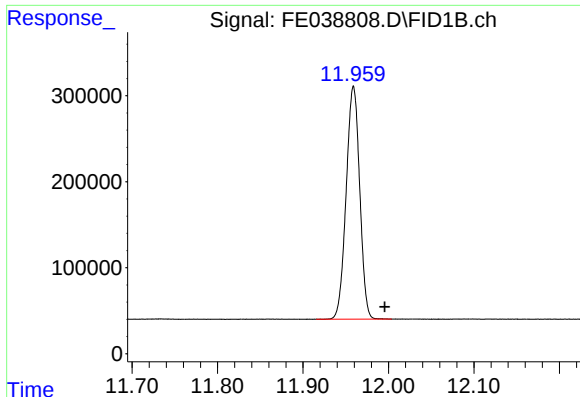
#7 n-Hexadecane (C16)

R.T.: 10.197 min  
Delta R.T.: -0.034 min  
Response: 2844367  
Conc: 18.00 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.640 min  
Delta R.T.: -0.033 min  
Response: 2839702  
Conc: 17.73 ug/ml



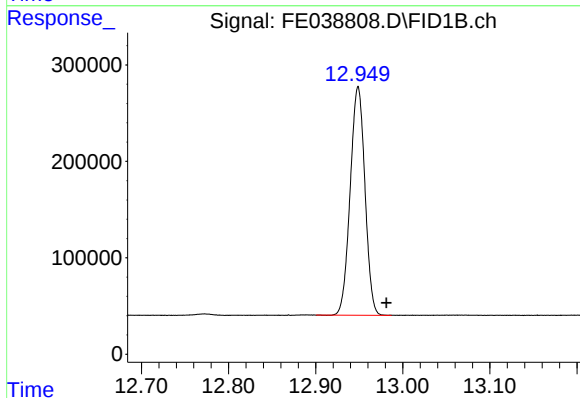
#9 ortho-Terphenyl (SURR)

R.T.: 11.959 min  
Delta R.T.: -0.036 min  
Response: 2980584  
Conc: 17.32 ug/ml

Instrument :  
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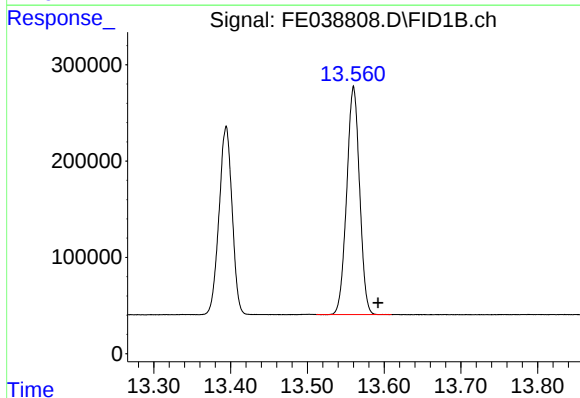
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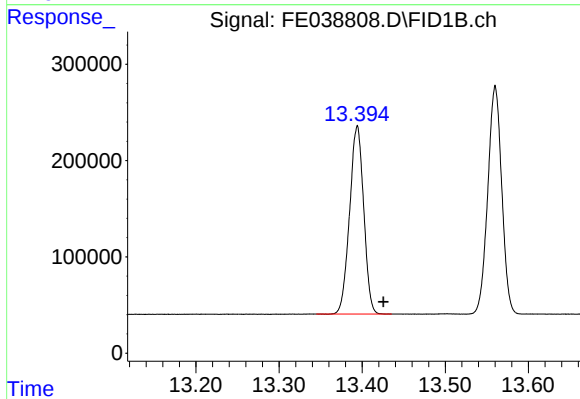
#10 n-Eicosane (C20)

R.T.: 12.949 min  
Delta R.T.: -0.032 min  
Response: 2784825  
Conc: 17.28 ug/ml



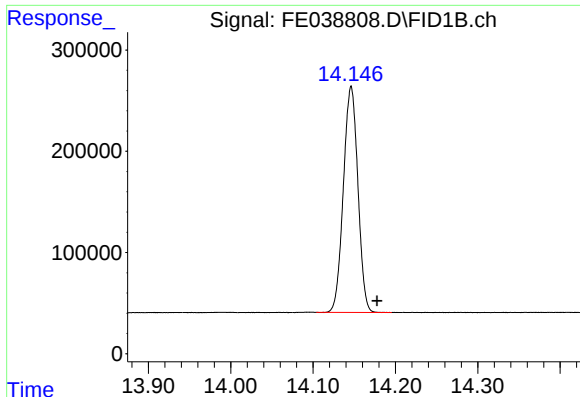
#11 n-Heneicosane (C21)

R.T.: 13.560 min  
Delta R.T.: -0.032 min  
Response: 2759249  
Conc: 17.08 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.394 min  
Delta R.T.: -0.032 min  
Response: 2302359  
Conc: 16.82 ug/ml



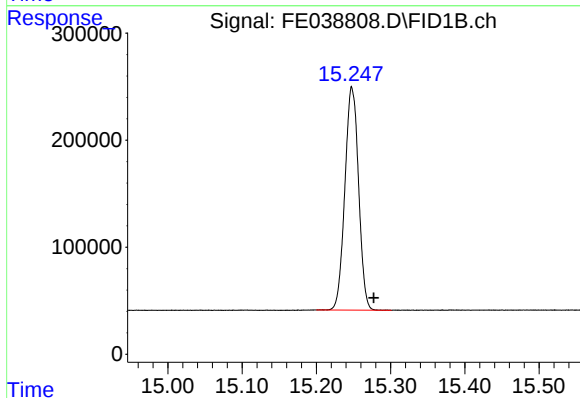
#13 n-Docosane (C22)

R.T.: 14.146 min  
Delta R.T.: -0.031 min  
Response: 2733451  
Conc: 16.93 ug/ml

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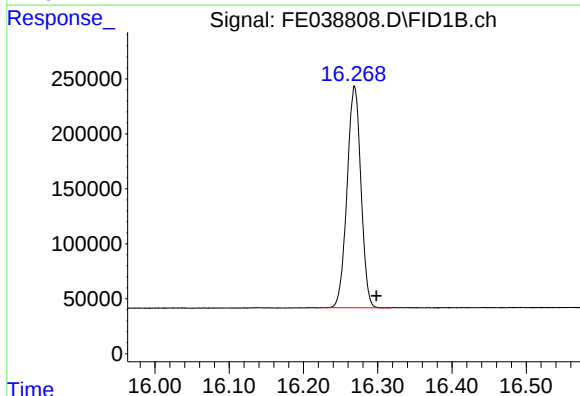
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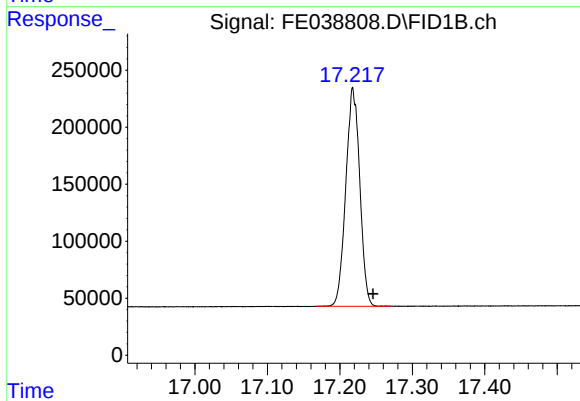
#14 n-Tetracosane (C24)

R.T.: 15.248 min  
Delta R.T.: -0.030 min  
Response: 2670754  
Conc: 16.65 ug/ml



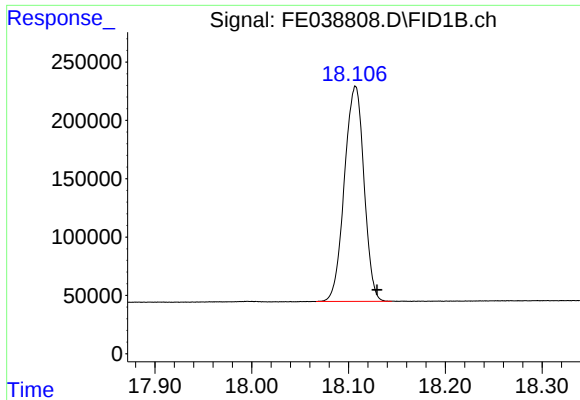
#15 n-Hexacosane (C26)

R.T.: 16.269 min  
Delta R.T.: -0.029 min  
Response: 2618447  
Conc: 16.49 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.218 min  
Delta R.T.: -0.028 min  
Response: 2567713  
Conc: 16.37 ug/ml



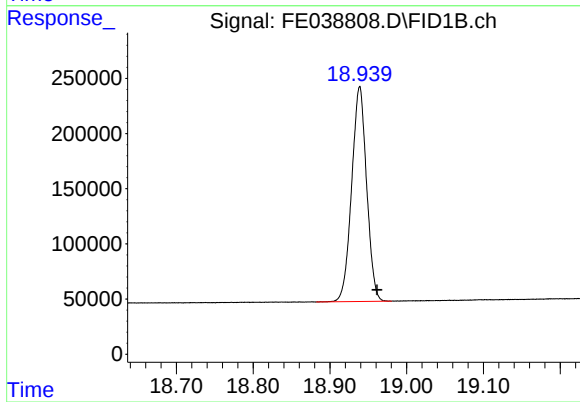
#17 n-Tricontane (C30)

R.T.: 18.106 min  
Delta R.T.: -0.023 min  
Response: 2589825  
Conc: 16.23 ug/ml

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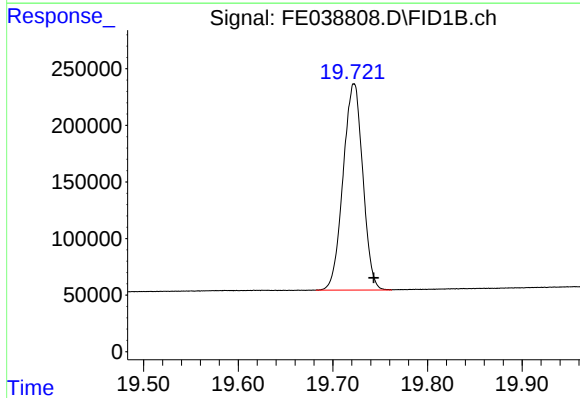
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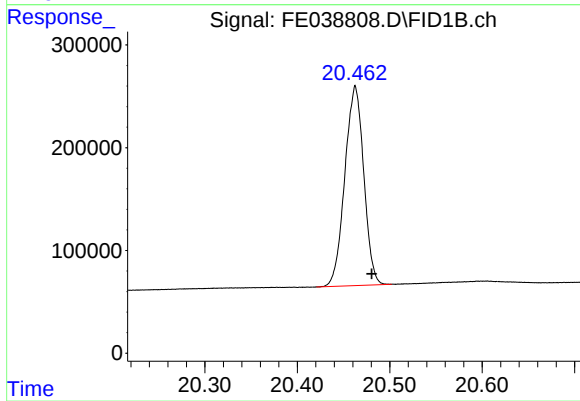
#18 n-Dotriacontane (C32)

R.T.: 18.939 min  
Delta R.T.: -0.022 min  
Response: 2635654  
Conc: 16.72 ug/ml



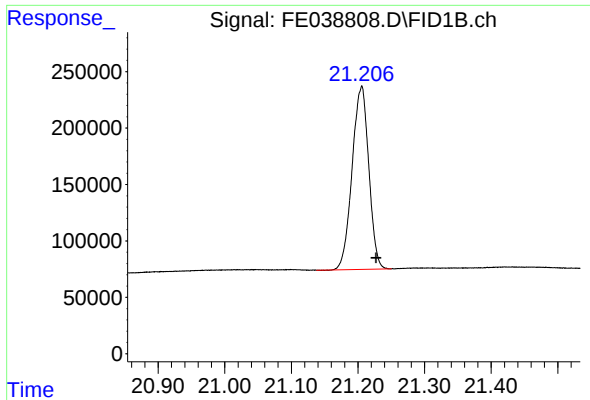
#19 n-Tetratriacontane (C34)

R.T.: 19.721 min  
Delta R.T.: -0.022 min  
Response: 2634073  
Conc: 17.87 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.463 min  
Delta R.T.: -0.018 min  
Response: 2759537  
Conc: 19.31 ug/ml



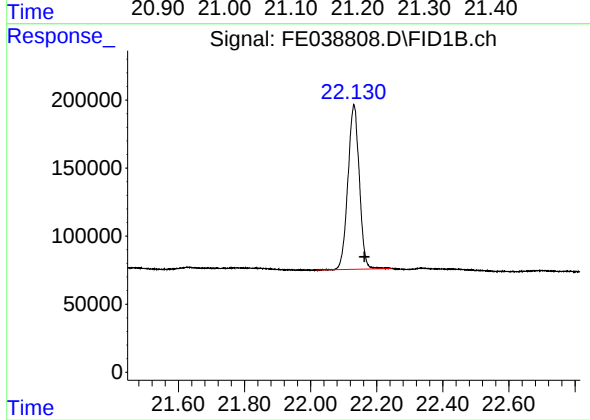
#21 n-Octatriacontane (C38)

R.T.: 21.206 min  
Delta R.T.: -0.021 min  
Response: 2819927  
Conc: 20.88 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.131 min  
Delta R.T.: -0.031 min  
Response: 2901027  
Conc: 22.98 ug/ml