

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE110623AL\  
 Data File : FE045224.D  
 Signal(s) : FID1B.ch  
 Acq On : 06 Nov 2023 21:15  
 Operator : YP\AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/07/2023  
 Supervised By :Ankita Jodhani 11/07/2023

Integration File: autoint1.e  
 Quant Time: Nov 06 23:12:10 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 110423.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Nov 04 05:16:05 2023  
 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)    | 11.885 | 3845950    | 20.143 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 40.29%        |
| 12) S 1-chlorooctadecane (S... | 13.327 | 2762708    | 20.058 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 40.12%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.271  | 3477522    | 21.050 ug/ml  |
| 2) T n-Decane (C10)            | 4.522  | 3498847    | 20.866 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.222  | 3681576    | 20.625 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.688  | 3482841    | 20.623 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.319  | 3522694    | 20.514 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.515  | 3380357    | 20.282 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.125 | 3382488    | 20.110 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.571 | 3335025    | 19.926 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.882 | 3151833    | 19.897 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.495 | 3069795    | 19.965 ug/ml  |
| 13) T n-Docosane (C22)         | 14.083 | 3012326    | 19.881 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.189 | 2957704    | 19.970 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.211 | 2919554    | 20.030 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.162 | 2939562    | 20.116 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.050 | 2989167    | 19.679 ug/mlm |
| 18) T n-Dotriacontane (C32)    | 18.886 | 3042171    | 19.473 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.673 | 3088296    | 19.779 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.415 | 3231071    | 19.906 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.153 | 3299973    | 19.862 ug/ml  |
| 22) T n-Tetracontane (C40)     | 22.067 | 3390994    | 19.853 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 : 3 Sample Multiplier: 1

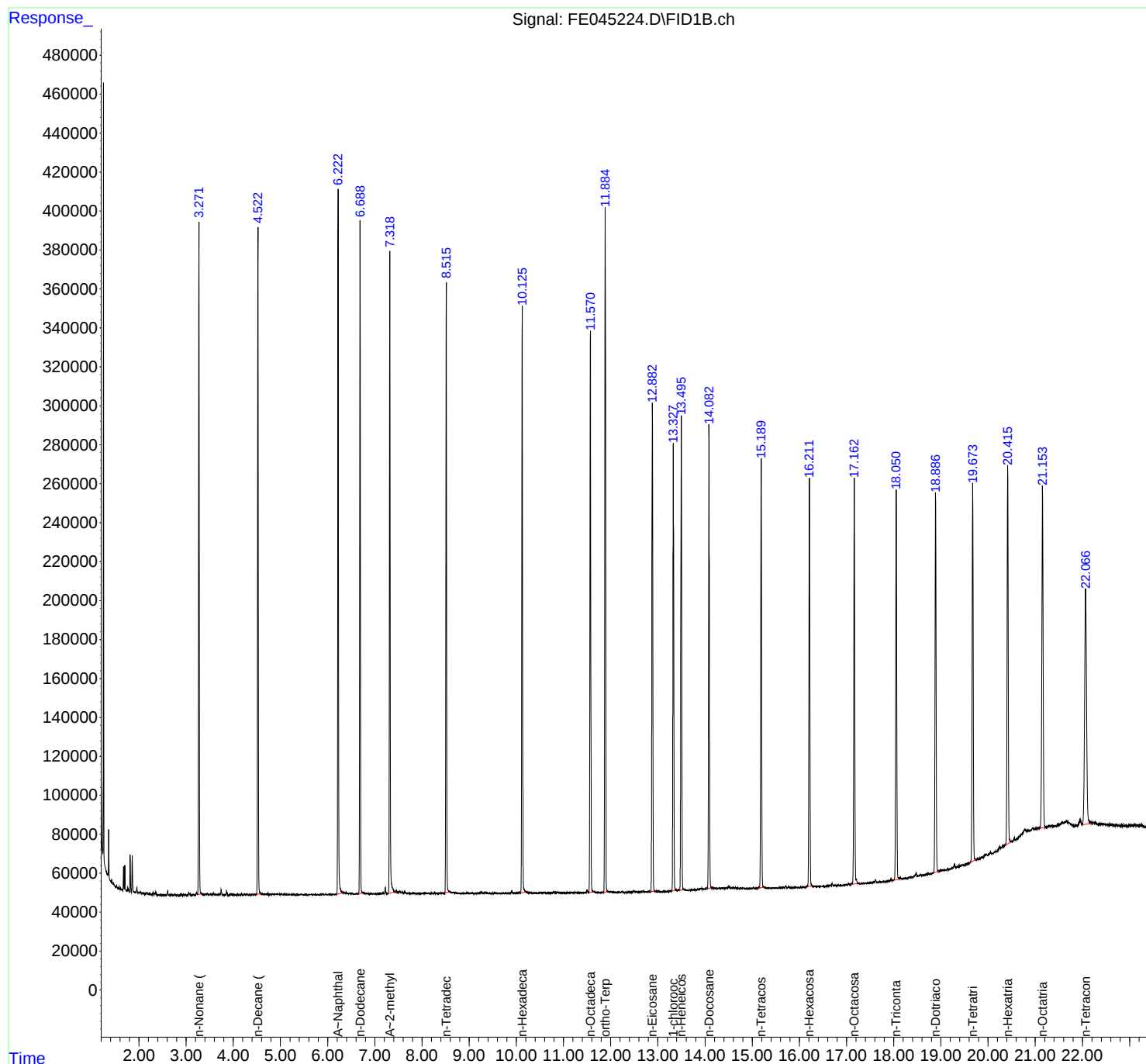
Instrument :  
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ClientSampleId :  
20 PPM ALIPHATIC HC STD

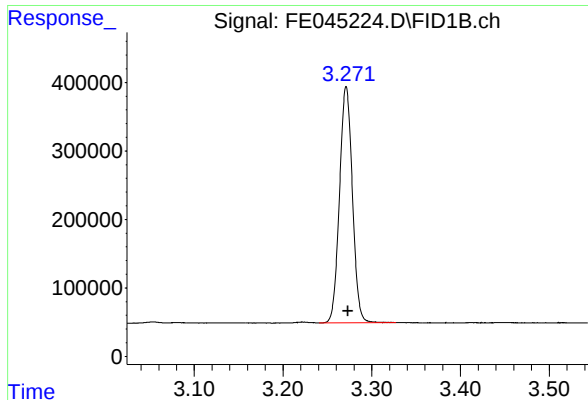
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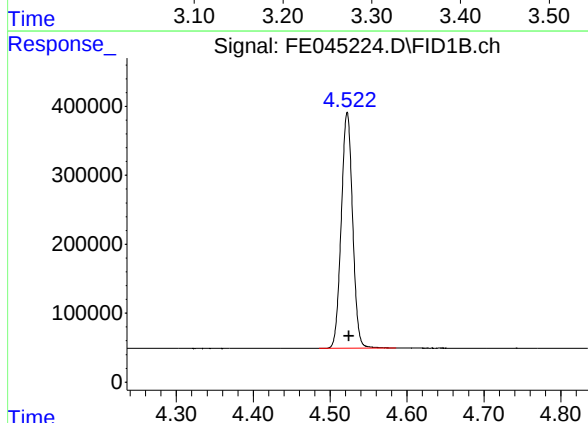
#1 n-Nonane (C9)

R.T.: 3.271 min  
Delta R.T.: -0.002 min  
Response: 3477522  
Conc: 21.05 ug/ml

Instrument :  
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ClientSampleId :  
20 PPM ALIPHATIC HC STD

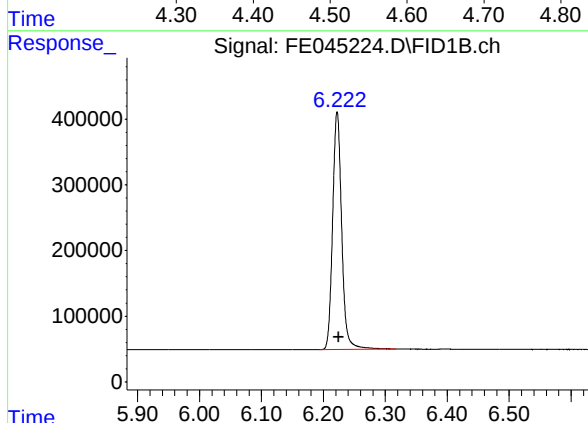
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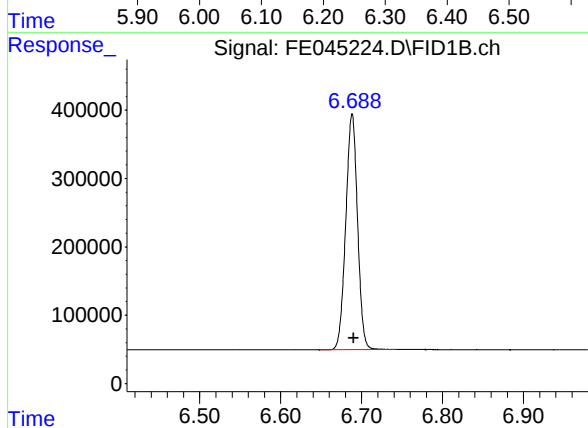
#2 n-Decane (C10)

R.T.: 4.522 min  
Delta R.T.: -0.002 min  
Response: 3498847  
Conc: 20.87 ug/ml



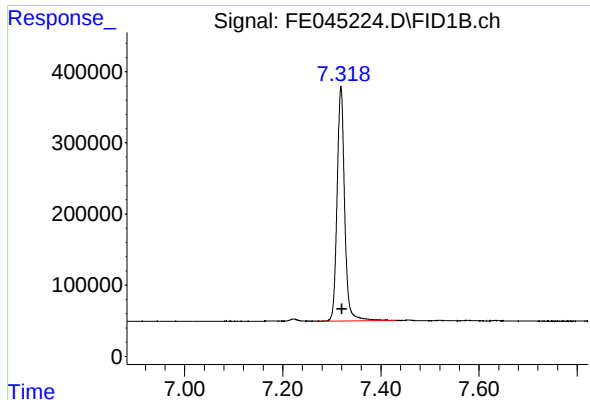
#3 A~Naphthalene (C11.7)

R.T.: 6.222 min  
Delta R.T.: -0.002 min  
Response: 3681576  
Conc: 20.63 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.688 min  
Delta R.T.: -0.002 min  
Response: 3482841  
Conc: 20.62 ug/ml



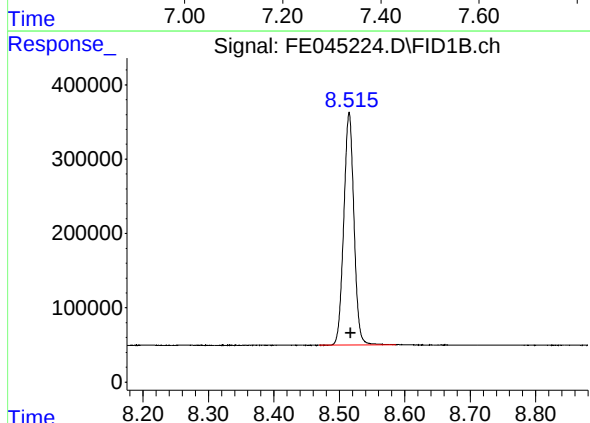
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.319 min  
Delta R.T.: -0.002 min  
Response: 3522694  
Conc: 20.51 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

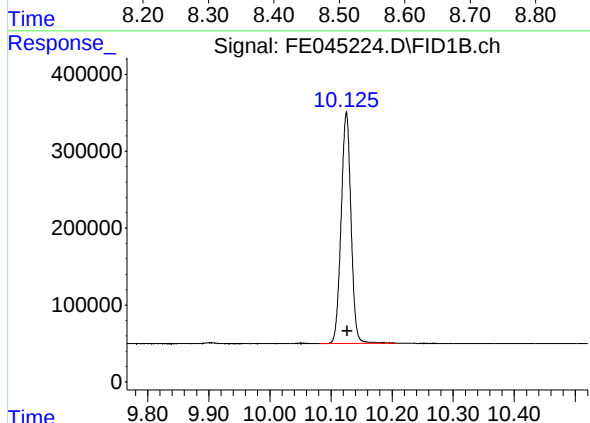
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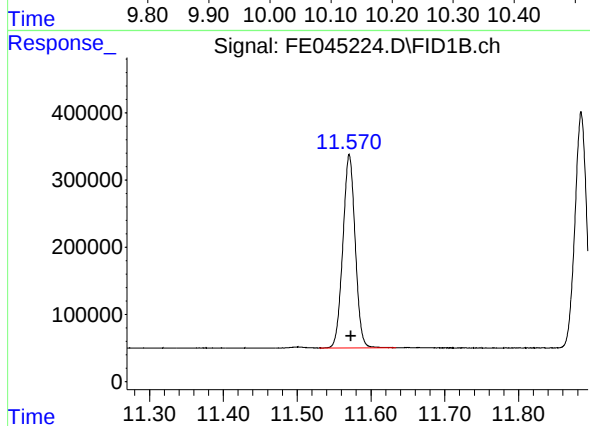
#6 n-Tetradecane (C14)

R.T.: 8.515 min  
Delta R.T.: -0.002 min  
Response: 3380357  
Conc: 20.28 ug/ml



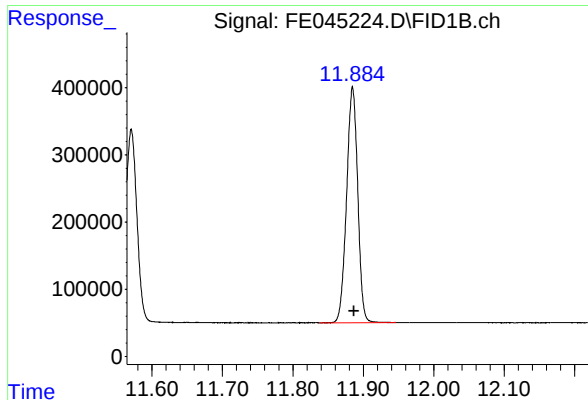
#7 n-Hexadecane (C16)

R.T.: 10.125 min  
Delta R.T.: -0.001 min  
Response: 3382488  
Conc: 20.11 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.571 min  
Delta R.T.: -0.002 min  
Response: 3335025  
Conc: 19.93 ug/ml



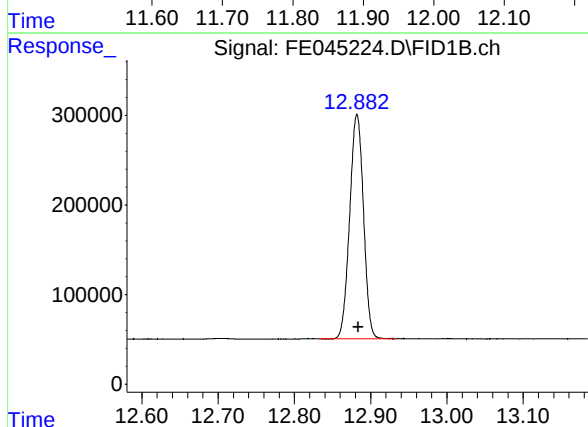
#9 ortho-Terphenyl (SURR)

R.T.: 11.885 min  
Delta R.T.: -0.002 min  
Response: 3845950  
Conc: 20.14 ug/ml

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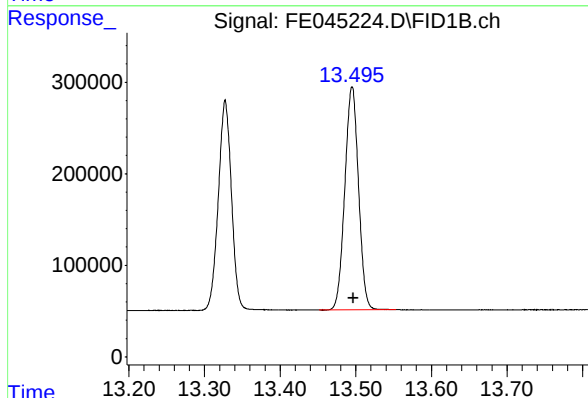
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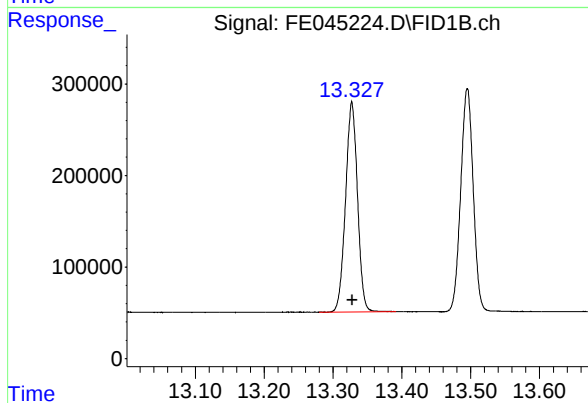
#10 n-Eicosane (C20)

R.T.: 12.882 min  
Delta R.T.: -0.002 min  
Response: 3151833  
Conc: 19.90 ug/ml



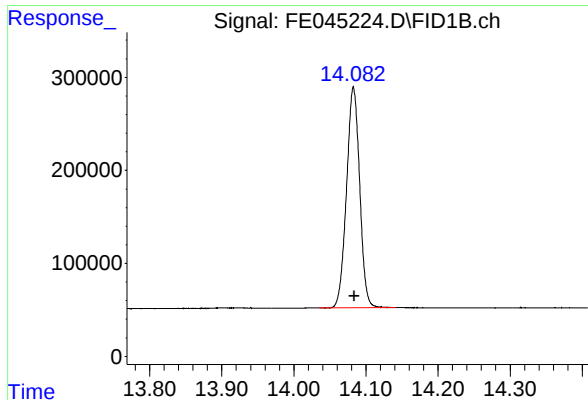
#11 n-Heneicosane (C21)

R.T.: 13.495 min  
Delta R.T.: -0.002 min  
Response: 3069795  
Conc: 19.97 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.327 min  
Delta R.T.: 0.000 min  
Response: 2762708  
Conc: 20.06 ug/ml



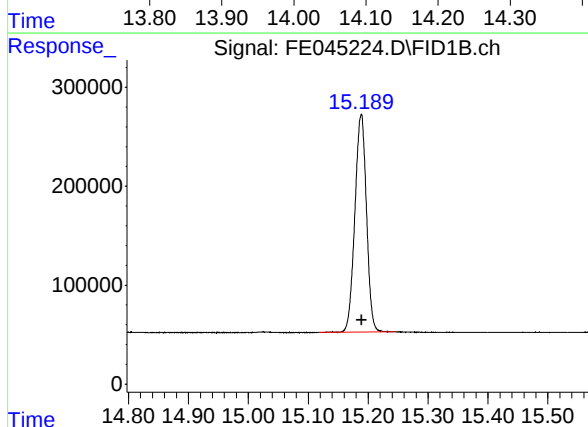
#13 n-Docosane (C22)

R.T.: 14.083 min  
Delta R.T.: -0.001 min  
Response: 3012326  
Conc: 19.88 ug/ml

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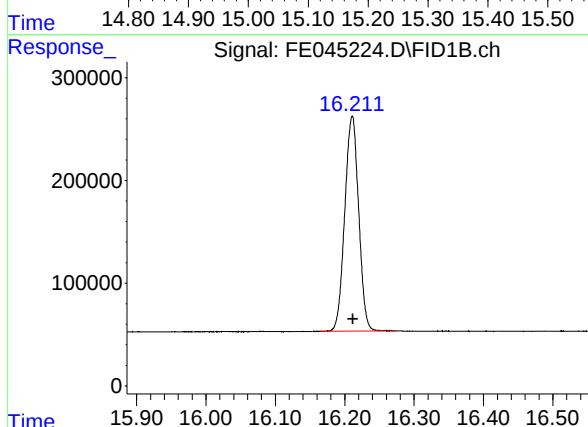
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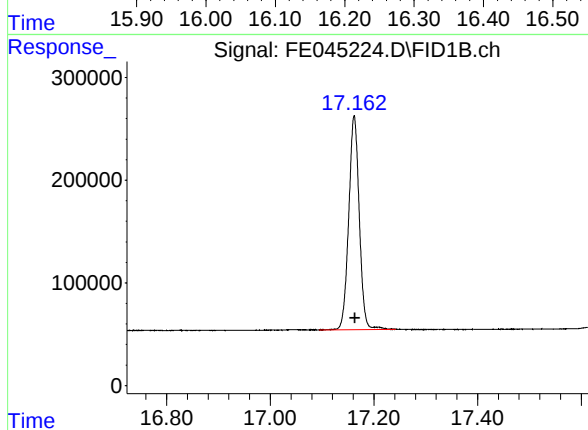
#14 n-Tetracosane (C24)

R.T.: 15.189 min  
Delta R.T.: 0.000 min  
Response: 2957704  
Conc: 19.97 ug/ml



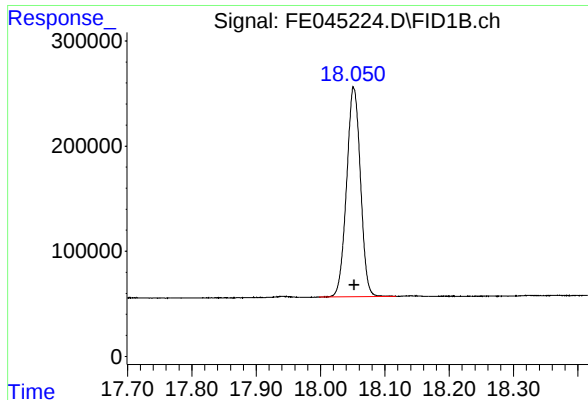
#15 n-Hexacosane (C26)

R.T.: 16.211 min  
Delta R.T.: 0.000 min  
Response: 2919554  
Conc: 20.03 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.162 min  
Delta R.T.: -0.002 min  
Response: 2939562  
Conc: 20.12 ug/ml



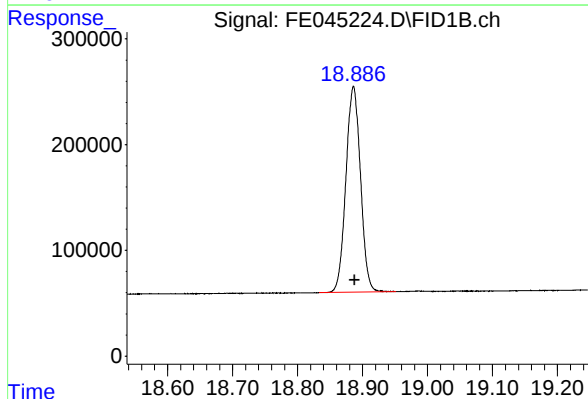
#17 n-Tricontane (C30)

R.T.: 18.050 min  
Delta R.T.: -0.002 min  
Response: 2989167  
Conc: 19.68 ug/ml

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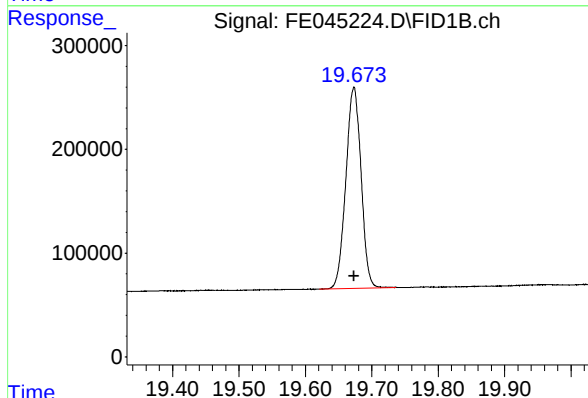
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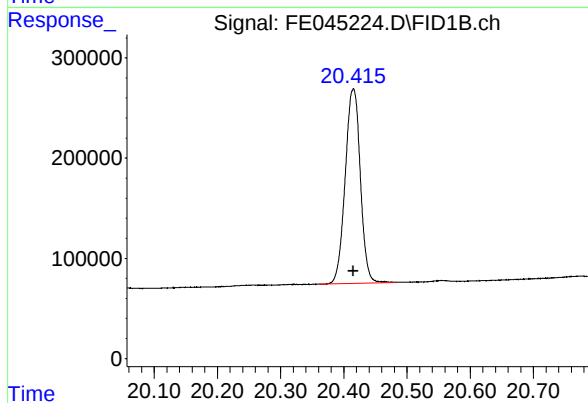
#18 n-Dotriacontane (C32)

R.T.: 18.886 min  
Delta R.T.: -0.001 min  
Response: 3042171  
Conc: 19.47 ug/ml



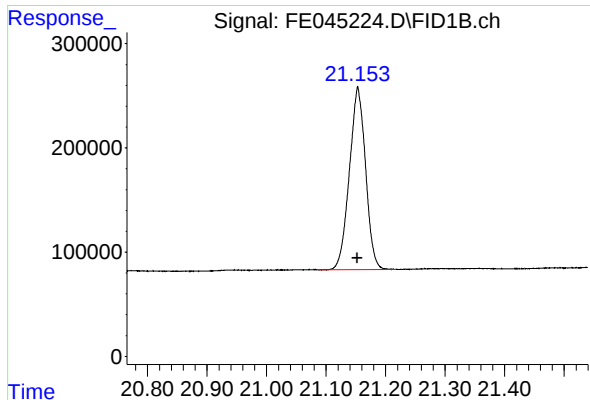
#19 n-Tetratriacontane (C34)

R.T.: 19.673 min  
Delta R.T.: 0.000 min  
Response: 3088296  
Conc: 19.78 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.415 min  
Delta R.T.: 0.000 min  
Response: 3231071  
Conc: 19.91 ug/ml



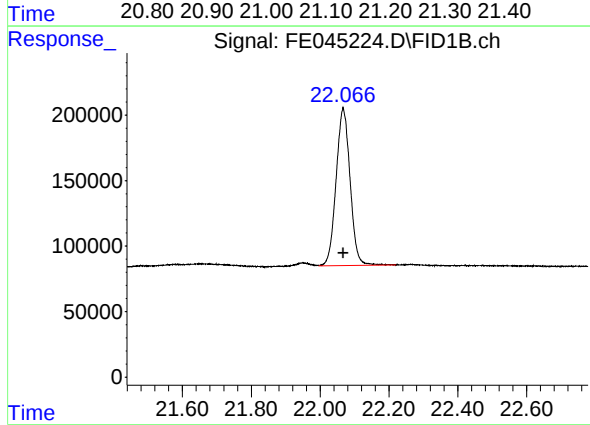
#21 n-Octatriacontane (C38)

R.T.: 21.153 min  
Delta R.T.: 0.000 min  
Response: 3299973  
Conc: 19.86 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.067 min  
Delta R.T.: 0.000 min  
Response: 3390994  
Conc: 19.85 ug/ml