

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE072624AL\  
 Data File : FE049271.D  
 Signal(s) : FID1B.ch  
 Acq On : 26 Jul 2024 16:03  
 Operator : YP\AJ  
 Sample : PB162289BS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

**Instrument :**

FID\_E

**ClientSampleId :**

PB162289BS

**Manual Integrations****APPROVED**

Reviewed By :Yogesh Patel 07/29/2024

Supervised By :Ankita Jodhani 07/29/2024

Integration File: autoint1.e

Quant Time: Jul 26 16:31:43 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 071724.M

Quant Title : GC Extractables

QLast Update : Wed Jul 17 14:26:40 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)    | 11.910 | 6927524    | 44.664 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 89.33%       |
| 12) S 1-chlorooctadecane (S... | 13.344 | 5465845    | 46.782 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 93.56%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.303  | 5251736    | 34.921 ug/ml |
| 2) T n-Decane (C10)            | 4.550  | 5630728    | 36.456 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.253  | 6471247    | 41.535 ug/ml |
| 4) T n-Dodecane (C12)          | 6.713  | 5806272    | 37.708 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.349  | 6452713    | 44.340 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.542  | 6157207    | 40.568 ug/ml |
| 7) T n-Hexadecane (C16)        | 10.147 | 6151673    | 40.564 ug/ml |
| 8) T n-Octadecane (C18)        | 11.591 | 6077820    | 40.030 ug/ml |
| 10) T n-Eicosane (C20)         | 12.900 | 6061530    | 41.917 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.510 | 5924700    | 41.780 ug/ml |
| 13) T n-Docosane (C22)         | 14.096 | 5838314    | 41.556 ug/ml |
| 14) T n-Tetracosane (C24)      | 15.194 | 11434151   | 81.584 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.220 | 5822993    | 41.527 ug/ml |
| 16) T n-Octacosane (C28)       | 17.168 | 6271918    | 44.810 ug/ml |
| 17) T n-Tricontane (C30)       | 18.056 | 5924581    | 40.615 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.887 | 6175790    | 42.001 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.672 | 6120124    | 41.899 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.409 | 6442346    | 44.689 ug/ml |
| 21) T n-Octatriacontane (C38)  | 21.144 | 6790157    | 45.361 ug/ml |
| 22) T n-Tetracontane (C40)     | 22.048 | 6860881    | 45.465 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta &gt; 1/2 Window

(m)=manual int.

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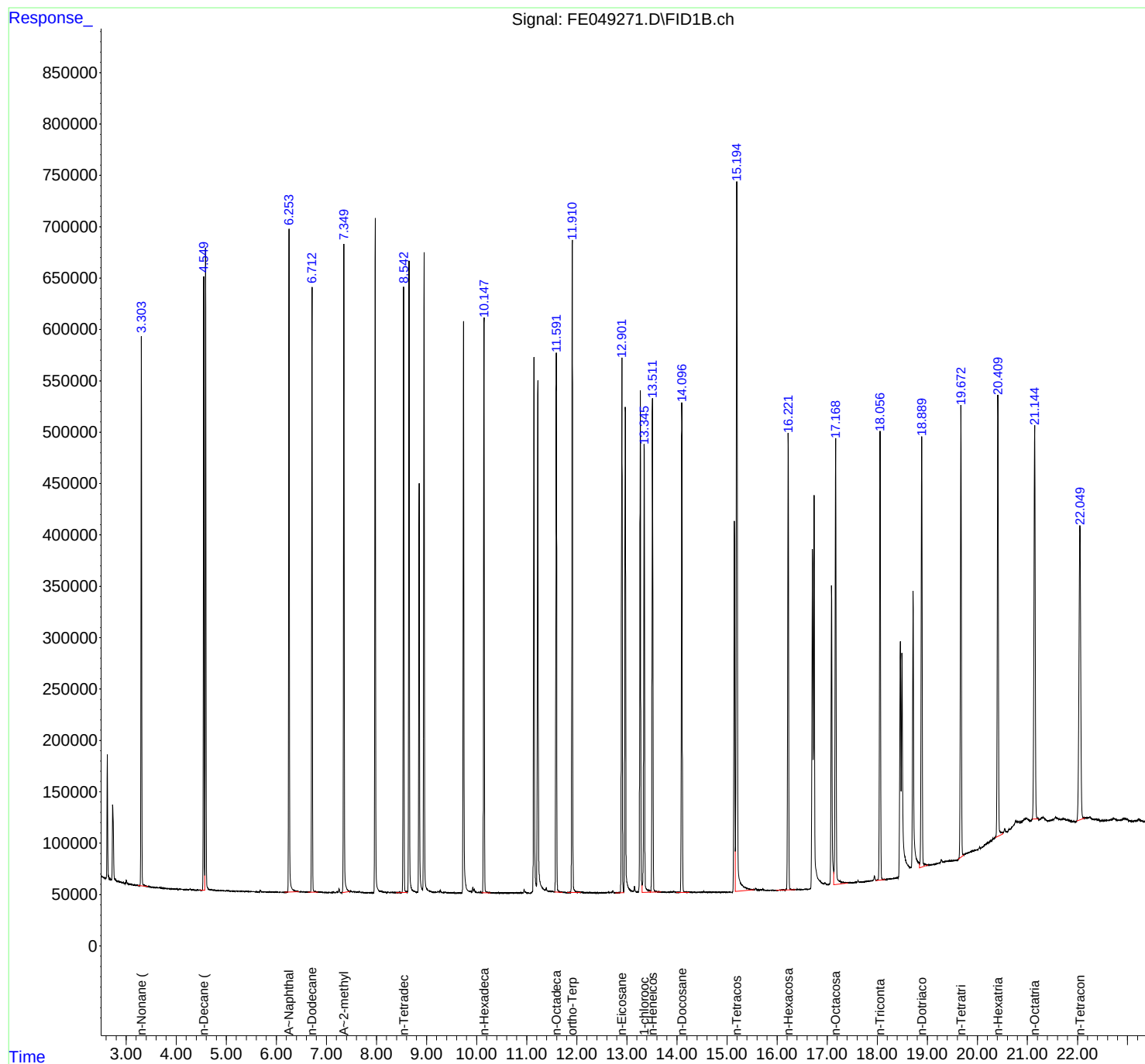
Response via : Initial Calibration

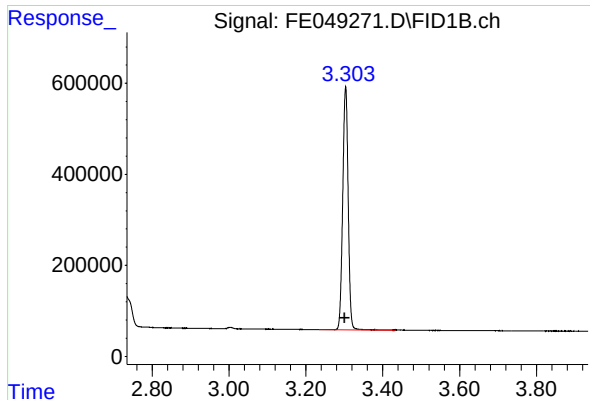
Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 3.303 min  
Delta R.T.: 0.002 min  
Response: 5251736  
Conc: 34.92 ug/ml

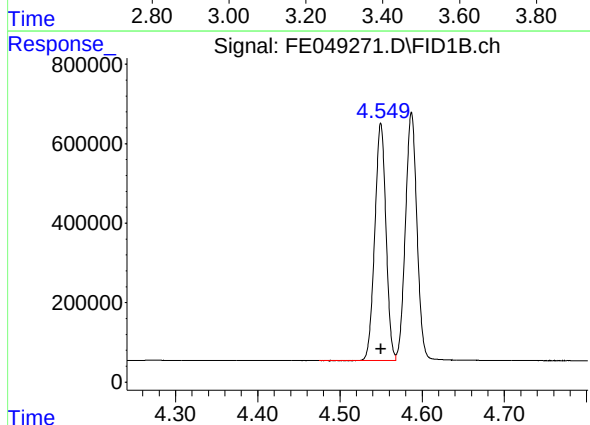
Instrument :

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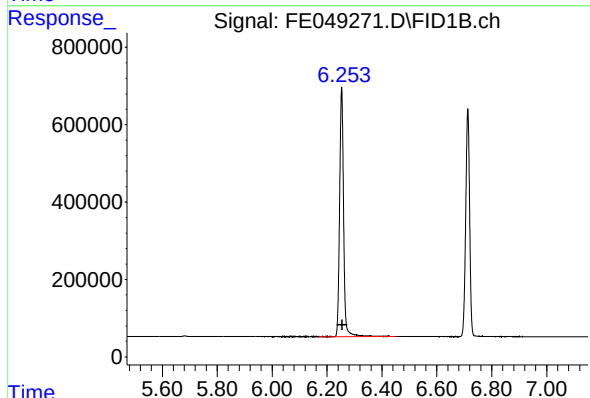
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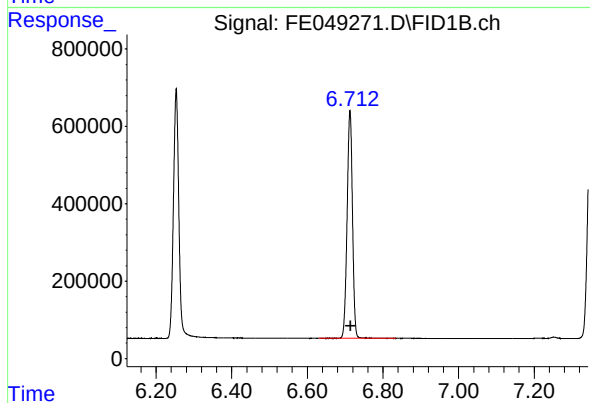
#2 n-Decane (C10)

R.T.: 4.550 min  
Delta R.T.: 0.000 min  
Response: 5630728  
Conc: 36.46 ug/ml



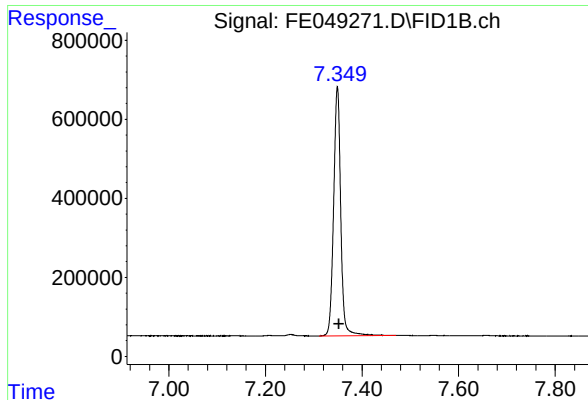
#3 A~Naphthalene (C11.7)

R.T.: 6.253 min  
Delta R.T.: -0.004 min  
Response: 6471247  
Conc: 41.53 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.713 min  
Delta R.T.: -0.002 min  
Response: 5806272  
Conc: 37.71 ug/ml



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

R.T.: 7.349 min  
Delta R.T.: -0.003 min  
Response: 6452713  
Conc: 44.34 ug/ml

Instrument :

FID\_E

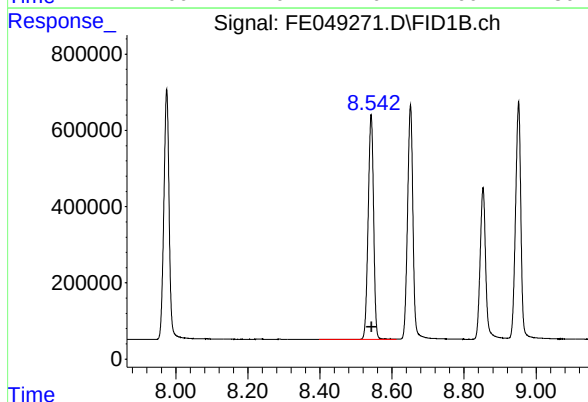
ClientSampleId :

PB162289BS

Manual Integrations

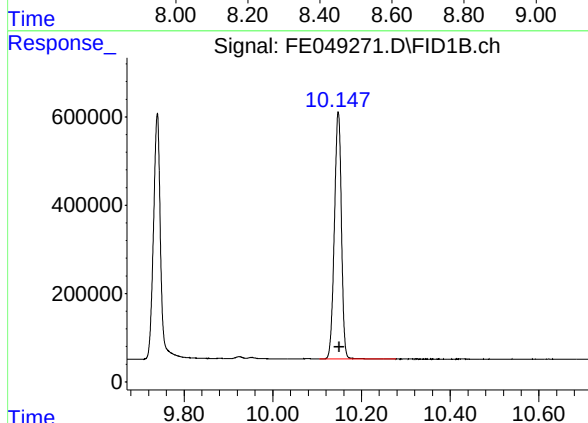
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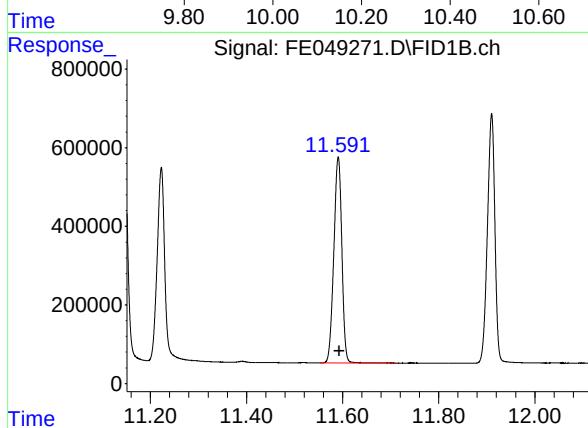
#6 n-Tetradecane (C14)

R.T.: 8.542 min  
Delta R.T.: -0.001 min  
Response: 6157207  
Conc: 40.57 ug/ml



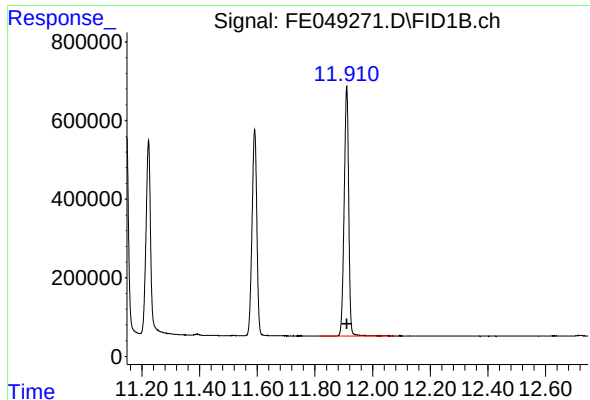
#7 n-Hexadecane (C16)

R.T.: 10.147 min  
Delta R.T.: -0.003 min  
Response: 6151673  
Conc: 40.56 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.591 min  
Delta R.T.: -0.002 min  
Response: 6077820  
Conc: 40.03 ug/ml



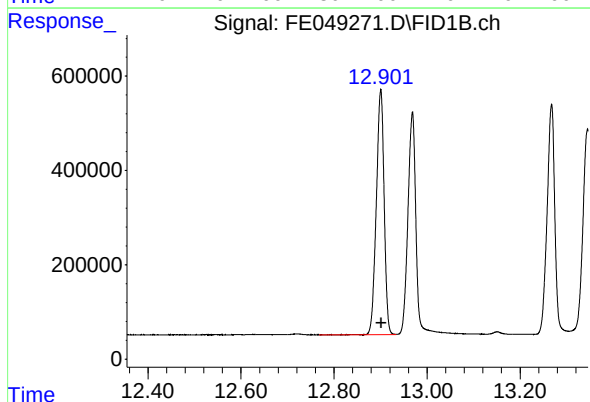
#### #9 ortho-Terphenyl (SURR)

R.T.: 11.910 min  
Delta R.T.: -0.001 min  
Response: 6927524  
Conc: 44.66 ug/ml

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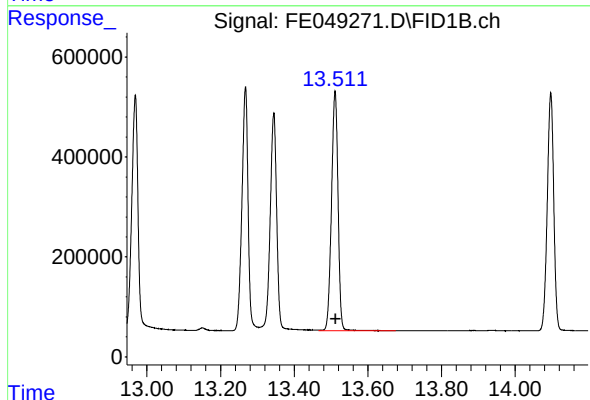
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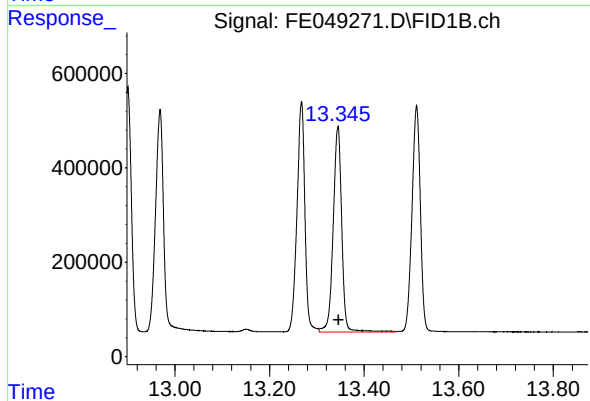
#### #10 n-Eicosane (C20)

R.T.: 12.900 min  
Delta R.T.: -0.001 min  
Response: 6061530  
Conc: 41.92 ug/ml



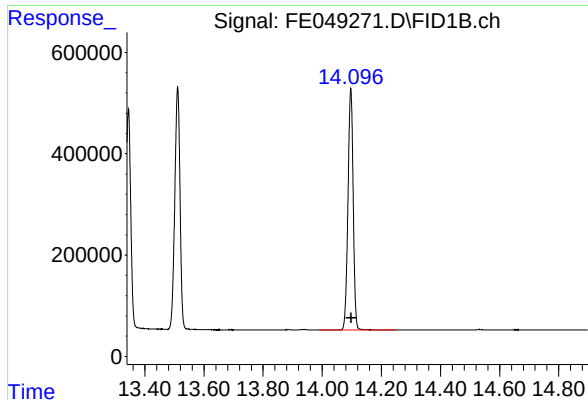
#### #11 n-Heneicosane (C21)

R.T.: 13.510 min  
Delta R.T.: -0.003 min  
Response: 5924700  
Conc: 41.78 ug/ml



#### #12 1-chlorooctadecane (SURR)

R.T.: 13.344 min  
Delta R.T.: -0.002 min  
Response: 5465845  
Conc: 46.78 ug/ml



#13 n-Docosane (C22)

R.T.: 14.096 min  
Delta R.T.: -0.003 min  
Response: 5838314  
Conc: 41.56 ug/ml

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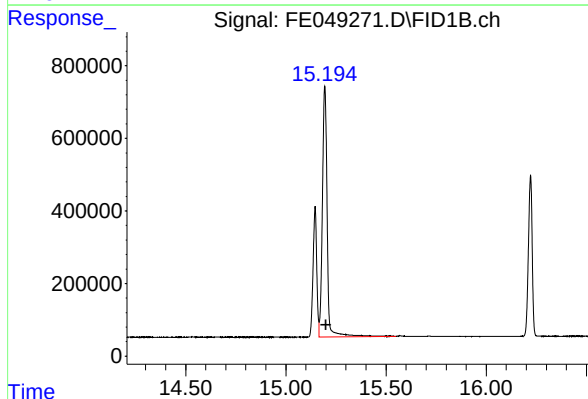
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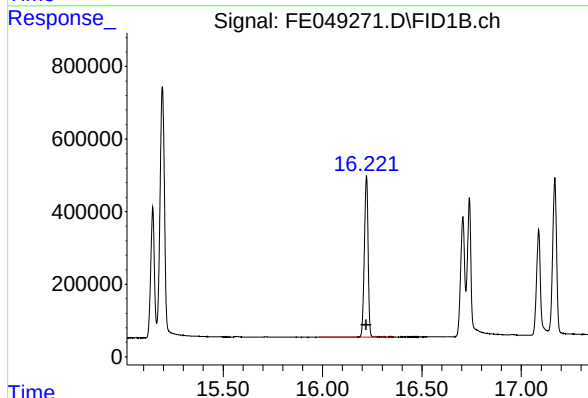
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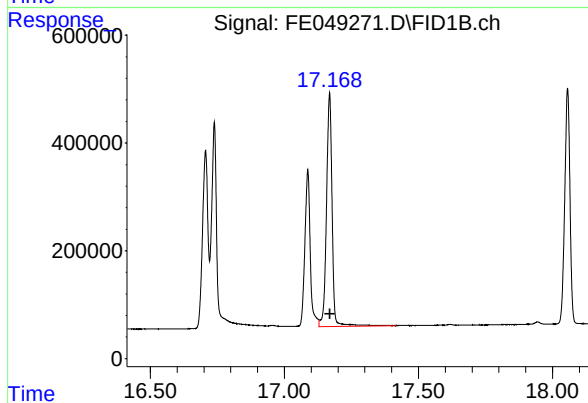
#14 n-Tetracosane (C24)

R.T.: 15.194 min  
Delta R.T.: -0.006 min  
Response: 11434151  
Conc: 81.58 ug/ml



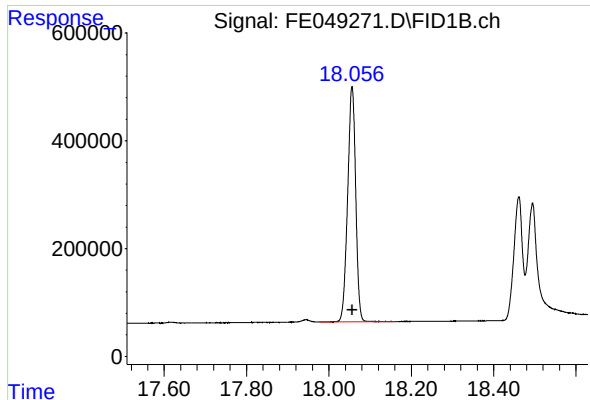
#15 n-Hexacosane (C26)

R.T.: 16.220 min  
Delta R.T.: 0.000 min  
Response: 5822993  
Conc: 41.53 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.168 min  
Delta R.T.: -0.002 min  
Response: 6271918  
Conc: 44.81 ug/ml



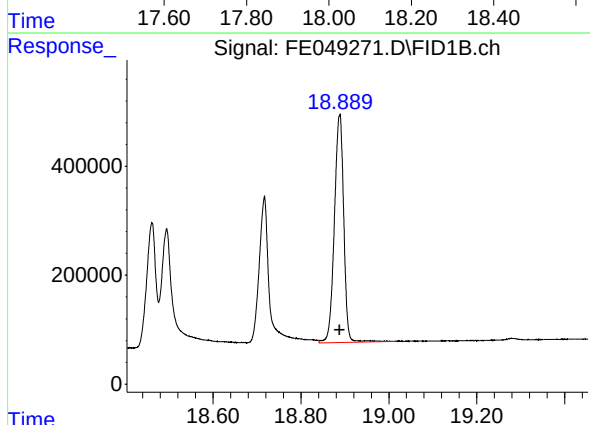
#17 n-Tricontane (C30)

R.T.: 18.056 min  
Delta R.T.: 0.000 min  
Response: 5924581  
Conc: 40.61 ug/ml

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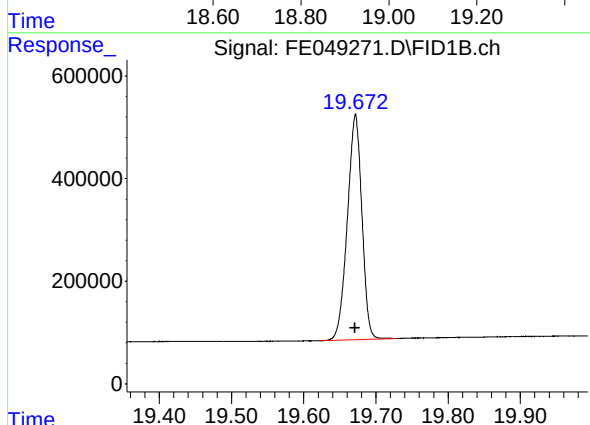
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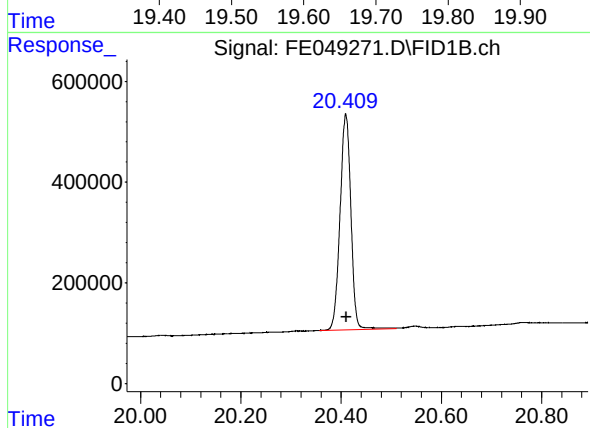
#18 n-Dotriacontane (C32)

R.T.: 18.887 min  
Delta R.T.: 0.000 min  
Response: 6175790  
Conc: 42.00 ug/ml



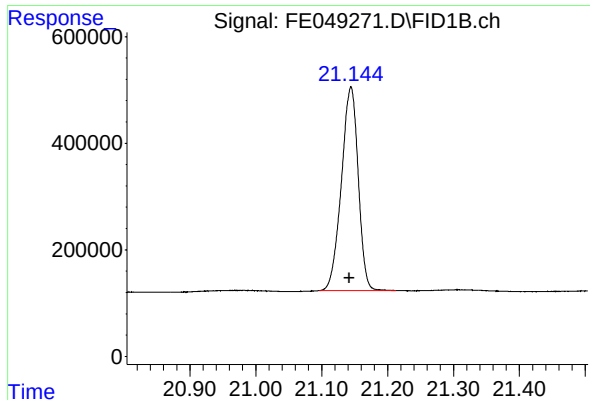
#19 n-Tetratriacontane (C34)

R.T.: 19.672 min  
Delta R.T.: 0.000 min  
Response: 6120124  
Conc: 41.90 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.409 min  
Delta R.T.: -0.001 min  
Response: 6442346  
Conc: 44.69 ug/ml



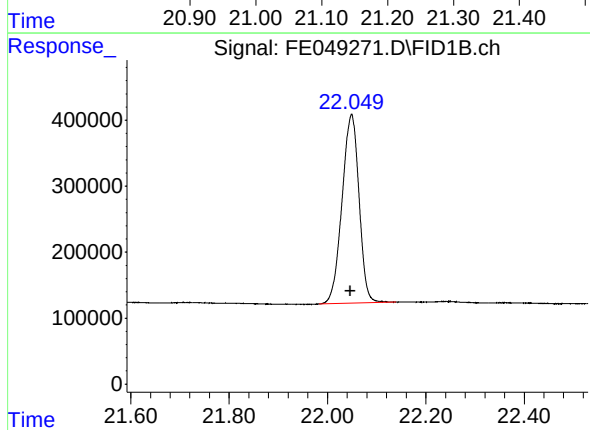
#21 n-Octatriacontane (C38)

R.T.: 21.144 min  
Delta R.T.: 0.002 min  
Response: 6790157  
Conc: 45.36 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.048 min  
Delta R.T.: 0.001 min  
Response: 6860881  
Conc: 45.46 ug/ml