

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE041023AL\  
 Data File : FE041289.D  
 Signal(s) : FID1B.ch  
 Acq On : 10 Apr 2023 23:27  
 Operator : YP\AJ  
 Sample : 02260-07MSD  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

## Instrument :

FID\_E

ClientSampleId :

SP-1CMSD

## Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/11/2023

Supervised By :Ankita Jodhani 04/11/2023

Integration File: autoint1.e

Quant Time: Apr 11 04:05:14 2023

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 032523.M

Quant Title : GC Extractables

QLast Update : Sat Mar 25 06:32:15 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)    | 11.836 | 4323804    | 23.006 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 46.01%        |
| 12) S 1-chlorooctadecane (S... | 13.274 | 3636147    | 25.272 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 50.54%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.241  | 4647181    | 26.783 ug/ml  |
| 2) T n-Decane (C10)            | 4.486  | 5235153    | 30.756 ug/mlm |
| 3) T A~Naphthalene (C11.7)     | 6.185  | 5949741    | 32.528 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.649  | 5913918    | 34.094 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.281  | 5951173    | 35.934 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.476  | 6227833    | 35.717 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.082 | 6835157    | 38.432 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.524 | 7080994    | 39.658 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.833 | 7152205    | 41.930 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.444 | 6788157    | 40.123 ug/ml  |
| 13) T n-Docosane (C22)         | 14.031 | 6681623    | 40.376 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.130 | 12664936   | 78.282 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.158 | 6323942    | 40.796 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.107 | 6366963    | 41.565 ug/mlm |
| 17) T n-Tricontane (C30)       | 17.997 | 6168173    | 40.353 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.829 | 6100515    | 39.074 ug/mlm |
| 19) T n-Tetratriacontane (C34) | 19.615 | 6113158    | 39.448 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 20.355 | 6111733    | 40.236 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.078 | 6281310    | 40.209 ug/mlm |
| 22) T n-Tetracontane (C40)     | 21.957 | 6462311    | 40.489 ug/ml  |
| -----                          |        |            |               |

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

(m)=manual int.

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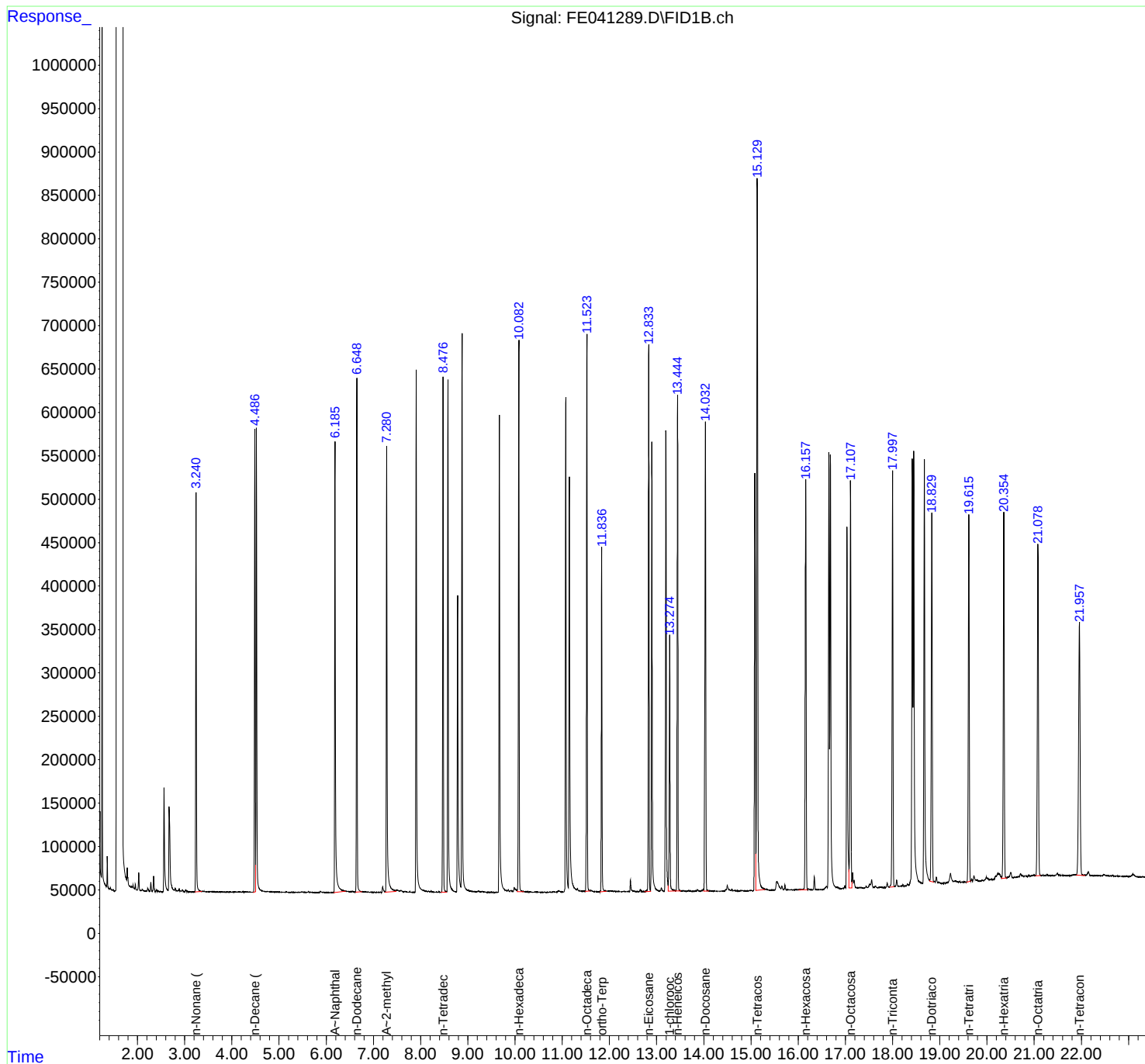
Response via : Initial Calibration

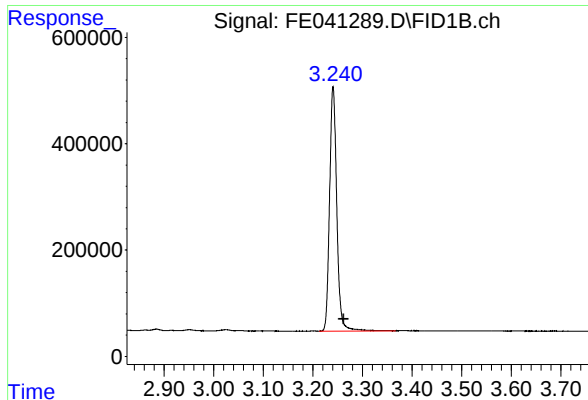
Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um





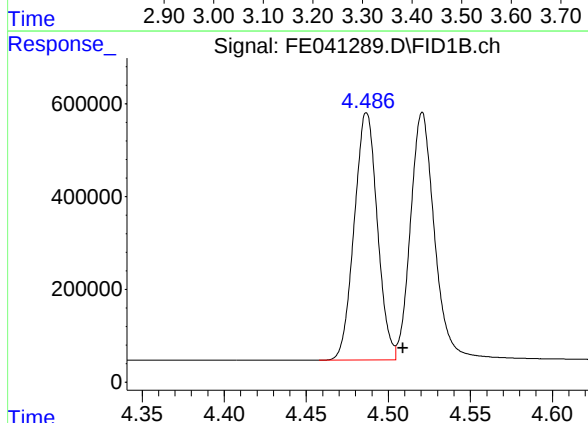
#1 n-Nonane (C9)

R.T.: 3.241 min  
Delta R.T.: -0.021 min  
Response: 4647181  
Conc: 26.78 ug/ml

Instrument :  
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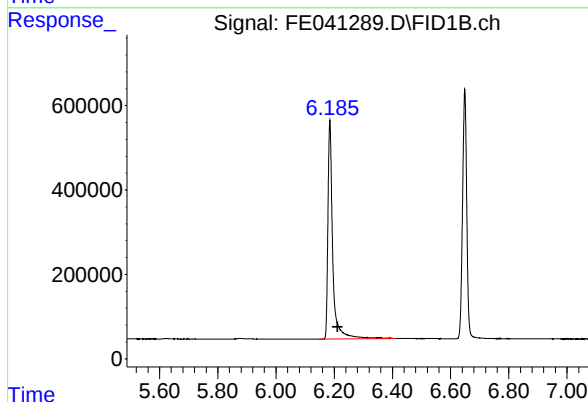
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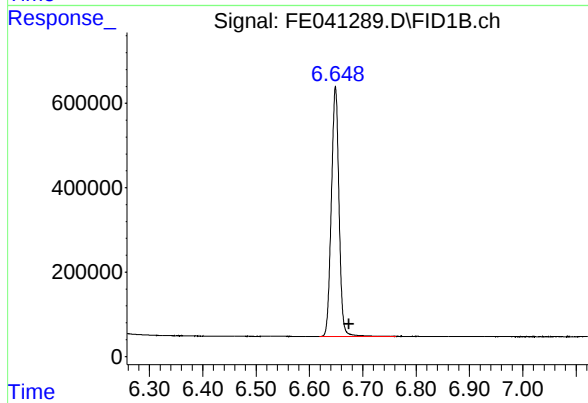
#2 n-Decane (C10)

R.T.: 4.486 min  
Delta R.T.: -0.023 min  
Response: 5235153  
Conc: 30.76 ug/ml



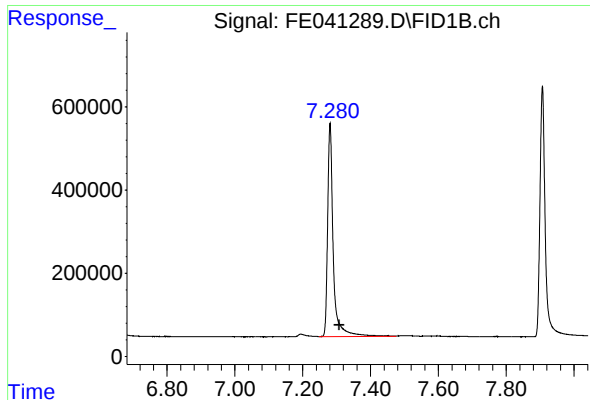
#3 A~Naphthalene (C11.7)

R.T.: 6.185 min  
Delta R.T.: -0.027 min  
Response: 5949741  
Conc: 32.53 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.649 min  
Delta R.T.: -0.025 min  
Response: 5913918  
Conc: 34.09 ug/ml



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

R.T.: 7.281 min  
Delta R.T.: -0.027 min  
Response: 5951173  
Conc: 35.93 ug/ml

Instrument :

FID\_E

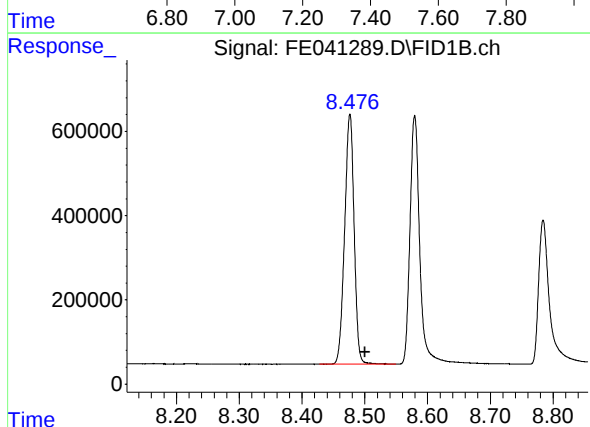
ClientSampleId :

SP-1CMSD

Manual Integrations

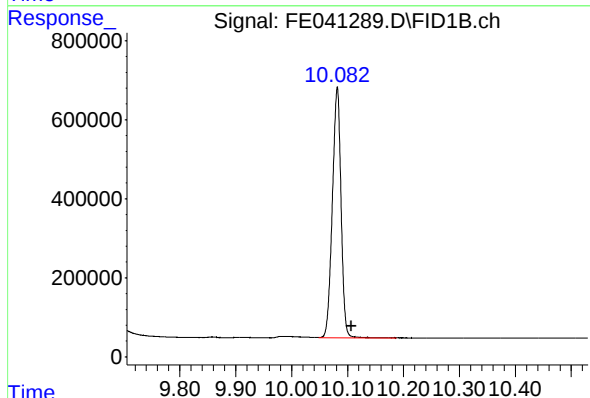
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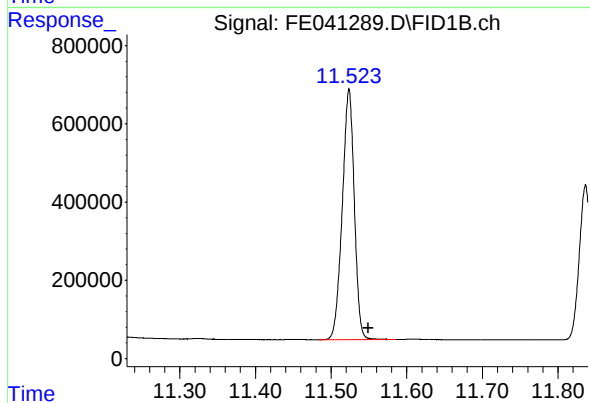
#6 n-Tetradecane (C14)

R.T.: 8.476 min  
Delta R.T.: -0.024 min  
Response: 6227833  
Conc: 35.72 ug/ml



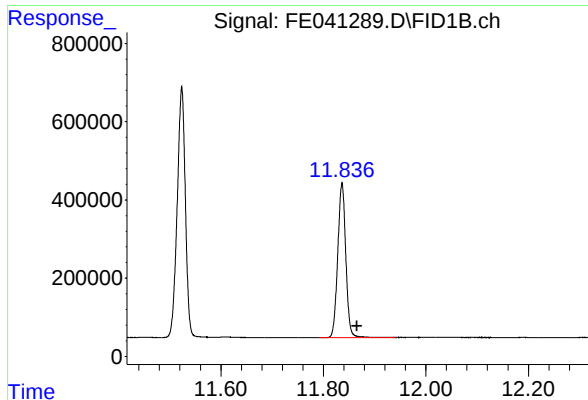
#7 n-Hexadecane (C16)

R.T.: 10.082 min  
Delta R.T.: -0.025 min  
Response: 6835157  
Conc: 38.43 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.524 min  
Delta R.T.: -0.026 min  
Response: 7080994  
Conc: 39.66 ug/ml



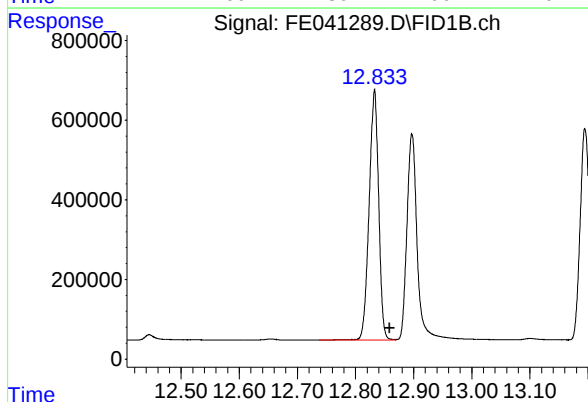
#9 ortho-Terphenyl (SURR)

R.T.: 11.836 min  
Delta R.T.: -0.029 min  
Response: 4323804  
Conc: 23.01 ug/ml

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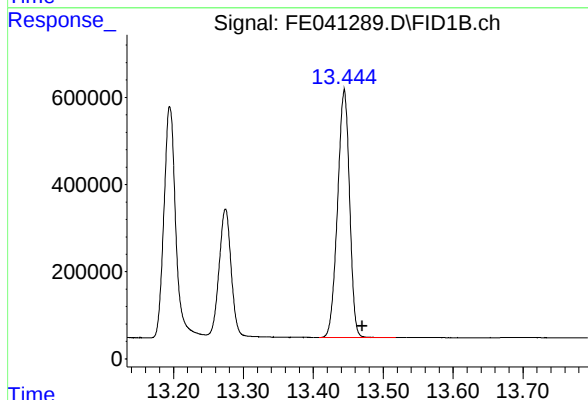
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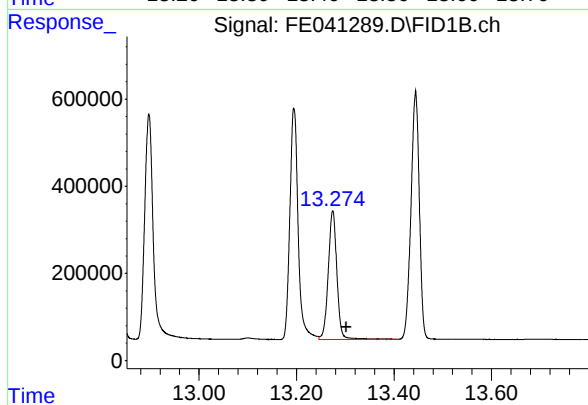
#10 n-Eicosane (C20)

R.T.: 12.833 min  
Delta R.T.: -0.026 min  
Response: 7152205  
Conc: 41.93 ug/ml



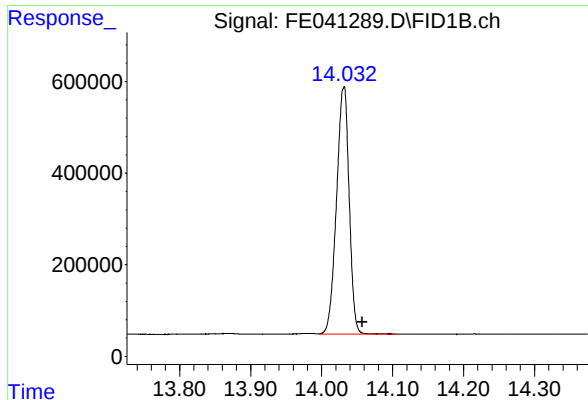
#11 n-Heneicosane (C21)

R.T.: 13.444 min  
Delta R.T.: -0.026 min  
Response: 6788157  
Conc: 40.12 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.274 min  
Delta R.T.: -0.028 min  
Response: 3636147  
Conc: 25.27 ug/ml



#13 n-Docosane (C22)

R.T.: 14.031 min  
Delta R.T.: -0.026 min  
Response: 6681623  
Conc: 40.38 ug/ml

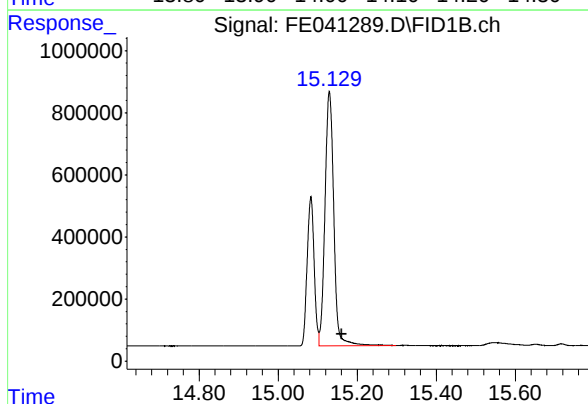
Instrument :

FID\_E

ClientSampleId :  
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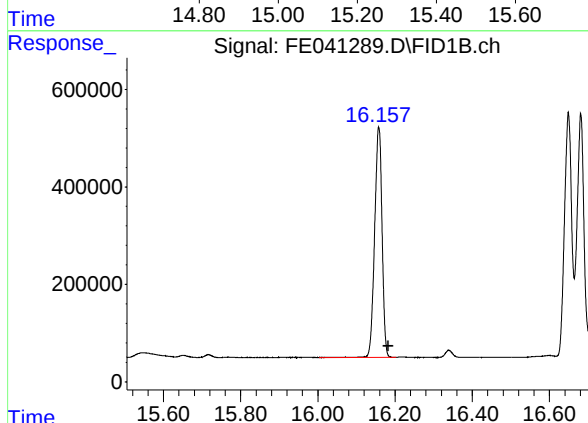
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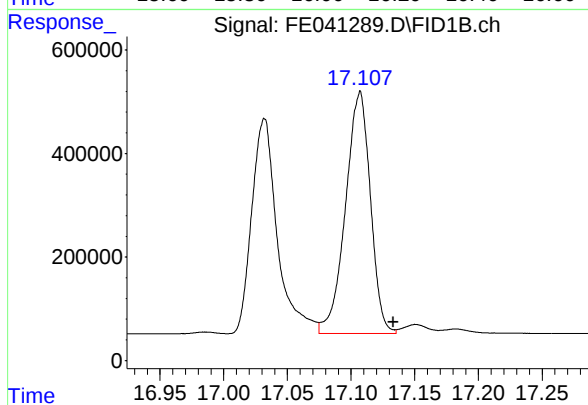
#14 n-Tetracosane (C24)

R.T.: 15.130 min  
Delta R.T.: -0.031 min  
Response: 12664936  
Conc: 78.28 ug/ml



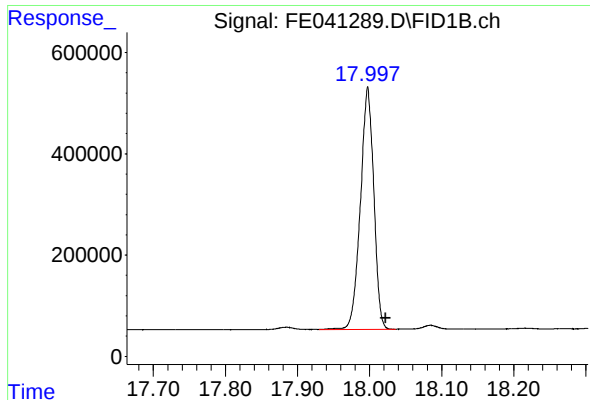
#15 n-Hexacosane (C26)

R.T.: 16.158 min  
Delta R.T.: -0.024 min  
Response: 6323942  
Conc: 40.80 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.107 min  
Delta R.T.: -0.026 min  
Response: 6366963  
Conc: 41.56 ug/ml m



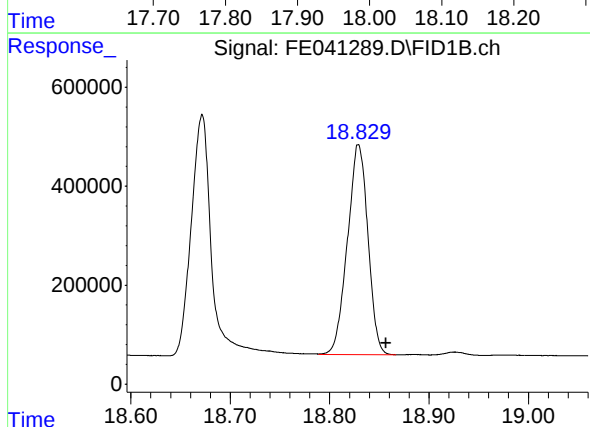
#17 n-Tricontane (C30)

R.T.: 17.997 min  
Delta R.T.: -0.025 min  
Response: 6168173  
Conc: 40.35 ug/ml

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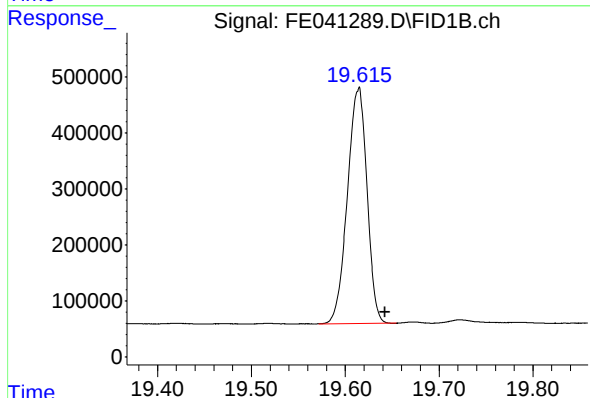
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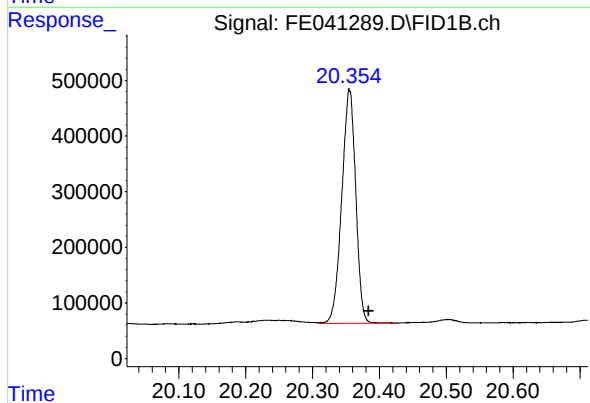
#18 n-Dotriacontane (C32)

R.T.: 18.829 min  
Delta R.T.: -0.028 min  
Response: 6100515  
Conc: 39.07 ug/ml m



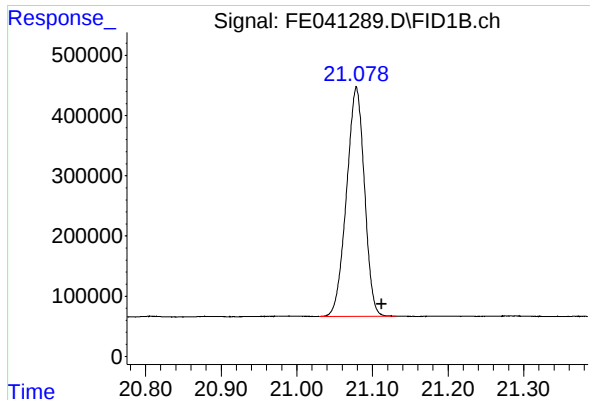
#19 n-Tetratriacontane (C34)

R.T.: 19.615 min  
Delta R.T.: -0.027 min  
Response: 6113158  
Conc: 39.45 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.355 min  
Delta R.T.: -0.029 min  
Response: 6111733  
Conc: 40.24 ug/ml



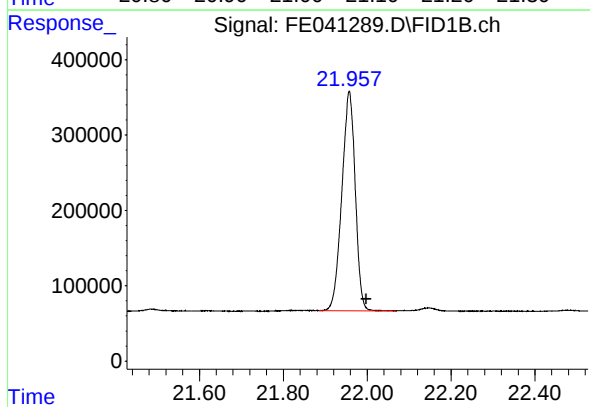
#21 n-Octatriacontane (C38)

R.T.: 21.078 min  
Delta R.T.: -0.034 min  
Response: 6281310  
Conc: 40.21 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.957 min  
Delta R.T.: -0.041 min  
Response: 6462311  
Conc: 40.49 ug/ml