

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE081424AL\  
 Data File : FE049595.D  
 Signal(s) : FID1B.ch  
 Acq On : 14 Aug 2024 14:29  
 Operator : YP\AJ  
 Sample : PB162718BS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

**Instrument :**

FID\_E

**ClientSampleId :**

PB162718BS

**Manual Integrations****APPROVED**

Reviewed By :Yogesh Patel 08/15/2024

Supervised By :Ankita Jodhani 08/15/2024

Integration File: autoint1.e

Quant Time: Aug 15 03:48:19 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 081424.M

Quant Title : GC Extractables

QLast Update : Wed Aug 14 11:05:17 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)    | 11.889 | 6926747    | 42.834 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 85.67%        |
| 12) S 1-chlorooctadecane (S... | 13.323 | 5360840    | 43.939 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 87.88%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.285  | 5839361    | 37.733 ug/ml  |
| 2) T n-Decane (C10)            | 4.532  | 6241380    | 39.530 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.234  | 6438285    | 40.125 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.695  | 6473379    | 41.177 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.330  | 6170054    | 41.201 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.524  | 6455625    | 41.816 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.129 | 6311061    | 40.409 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.570 | 6366782    | 40.539 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.878 | 6350259    | 42.532 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.490 | 6178213    | 42.115 ug/ml  |
| 13) T n-Docosane (C22)         | 14.076 | 6100516    | 41.855 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.172 | 11477339   | 78.901 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.197 | 6001448    | 41.583 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.145 | 6486689    | 45.034 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.032 | 6126609    | 40.925 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.864 | 6123741    | 40.479 ug/mlm |
| 19) T n-Tetratriacontane (C34) | 19.646 | 6452140    | 42.204 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.385 | 6511146    | 42.878 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.114 | 6722943    | 42.834 ug/ml  |
| 22) T n-Tetracontane (C40)     | 22.009 | 6687579    | 43.802 ug/ml  |
| -----                          |        |            |               |

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

(m)=manual int.

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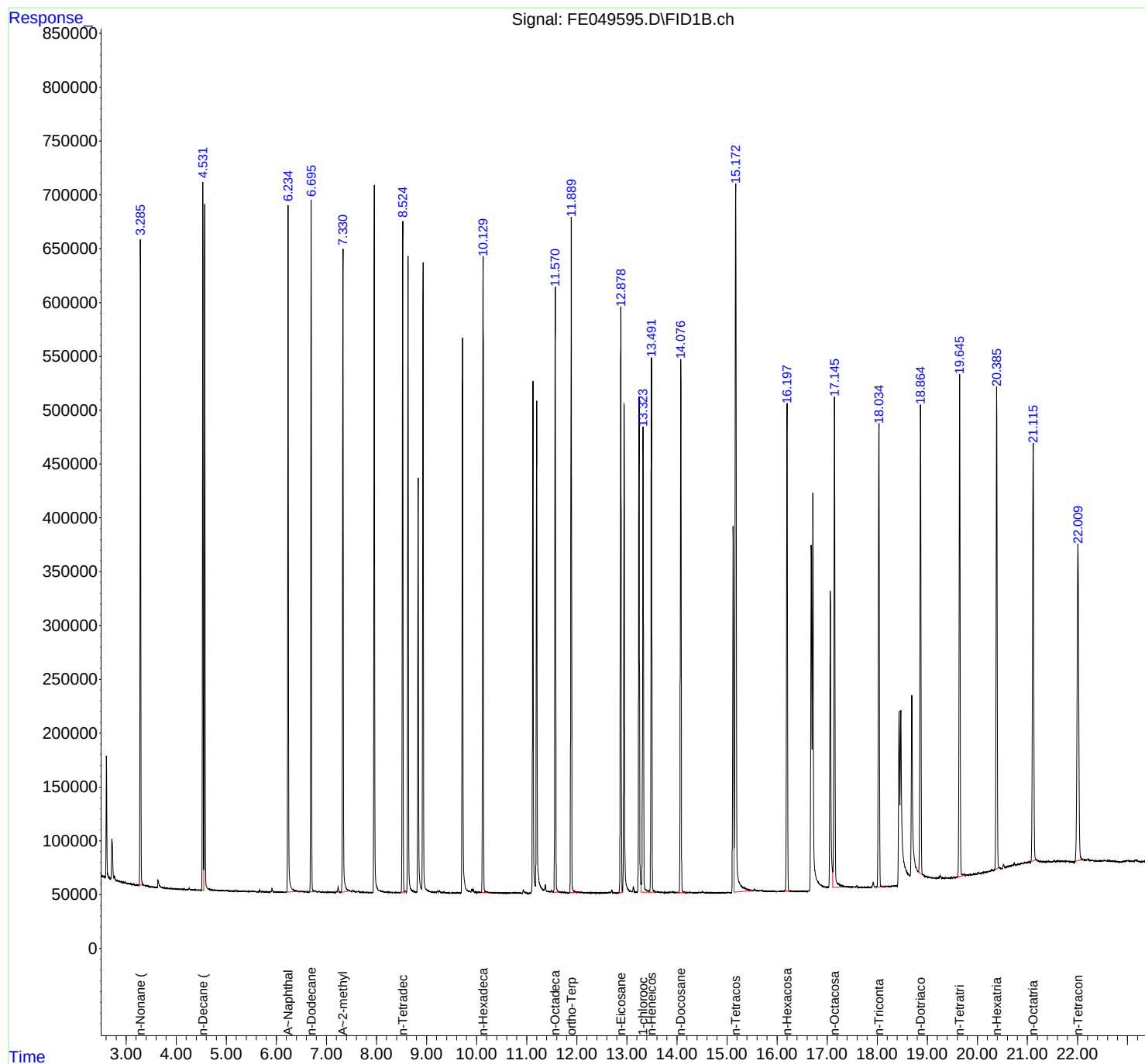
Response via : Initial Calibration

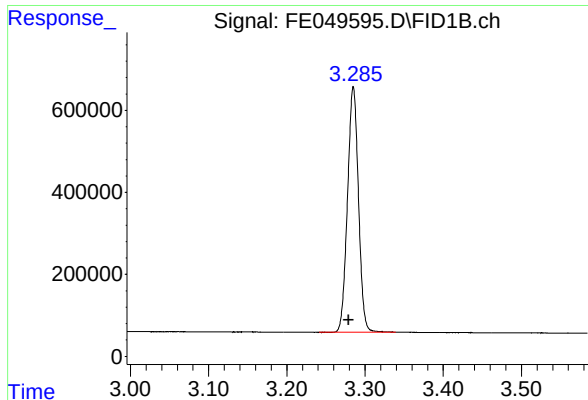
Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 3.285 min  
Delta R.T.: 0.006 min  
Response: 5839361  
Conc: 37.73 ug/ml

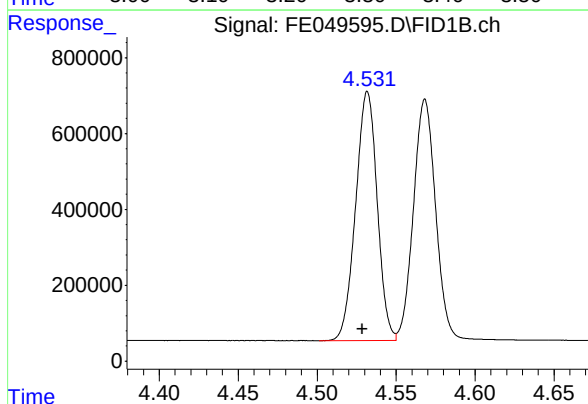
Instrument :

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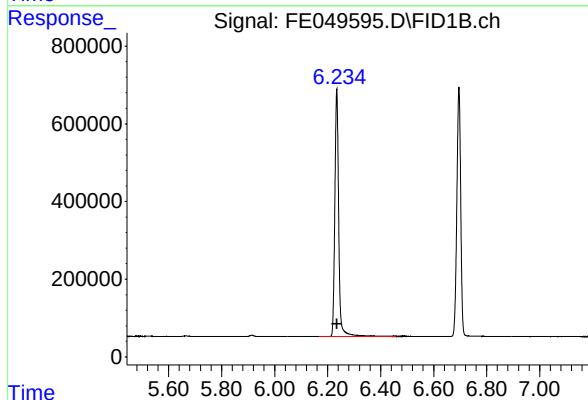
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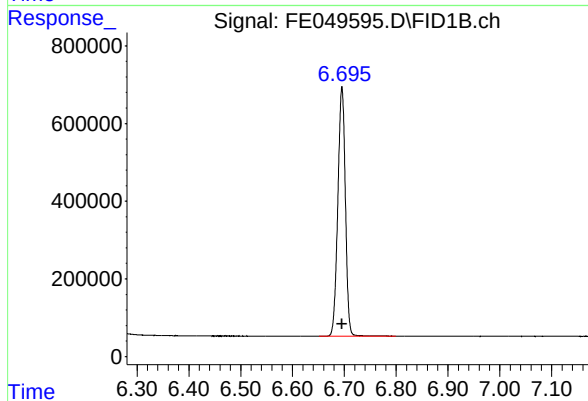
#2 n-Decane (C10)

R.T.: 4.532 min  
Delta R.T.: 0.003 min  
Response: 6241380  
Conc: 39.53 ug/ml



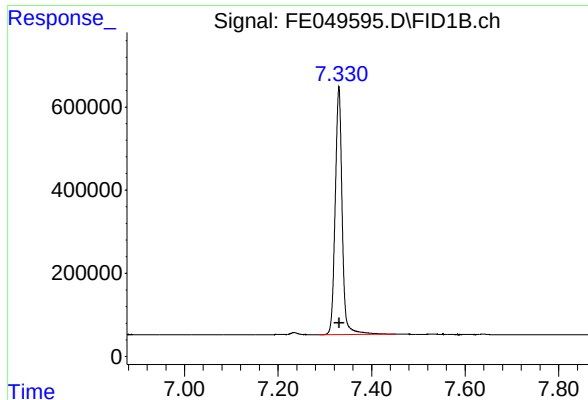
#3 A~Naphthalene (C11.7)

R.T.: 6.234 min  
Delta R.T.: 0.000 min  
Response: 6438285  
Conc: 40.13 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.695 min  
Delta R.T.: 0.000 min  
Response: 6473379  
Conc: 41.18 ug/ml



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

R.T.: 7.330 min  
Delta R.T.: 0.000 min  
Response: 6170054  
Conc: 41.20 ug/ml

Instrument :

FID\_E

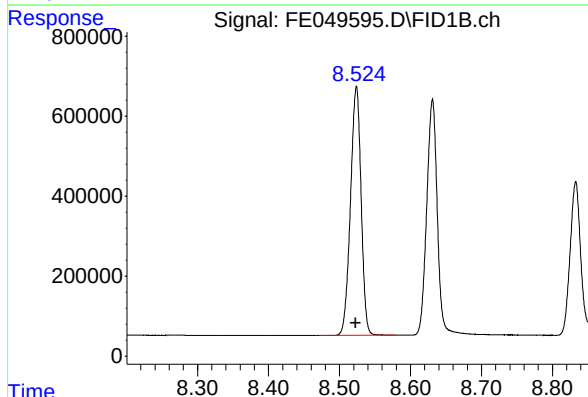
ClientSampleId :

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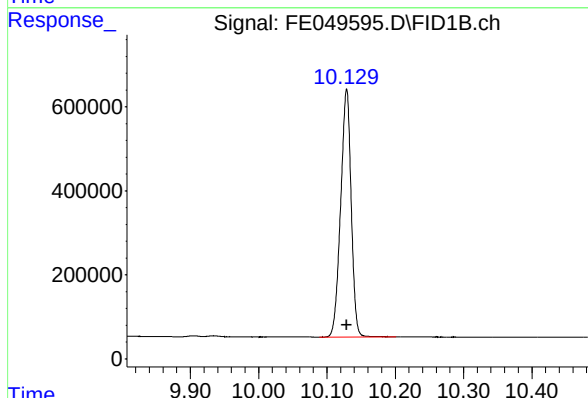
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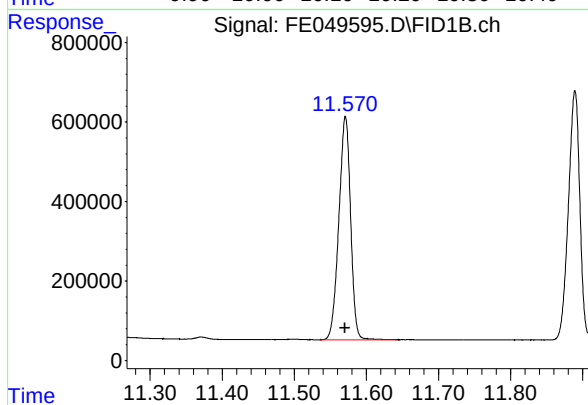
#6 n-Tetradecane (C14)

R.T.: 8.524 min  
Delta R.T.: 0.001 min  
Response: 6455625  
Conc: 41.82 ug/ml



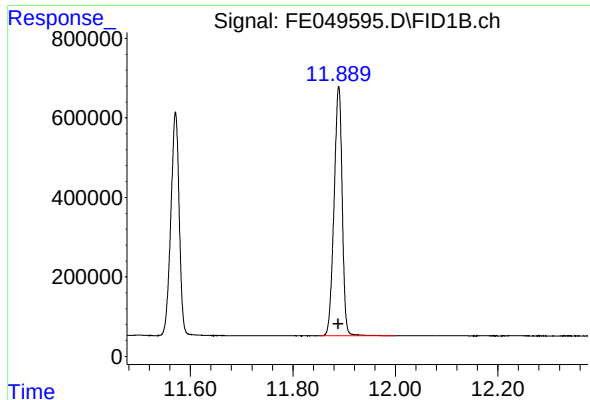
#7 n-Hexadecane (C16)

R.T.: 10.129 min  
Delta R.T.: 0.000 min  
Response: 6311061  
Conc: 40.41 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.570 min  
Delta R.T.: 0.000 min  
Response: 6366782  
Conc: 40.54 ug/ml



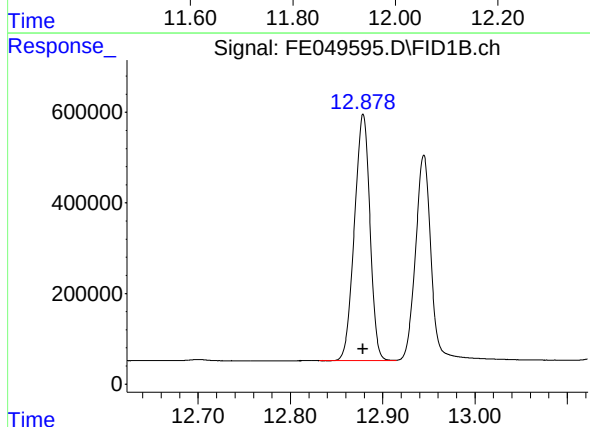
#9 ortho-Terphenyl (SURR)

R.T.: 11.889 min  
Delta R.T.: 0.000 min  
Response: 6926747  
Conc: 42.83 ug/ml

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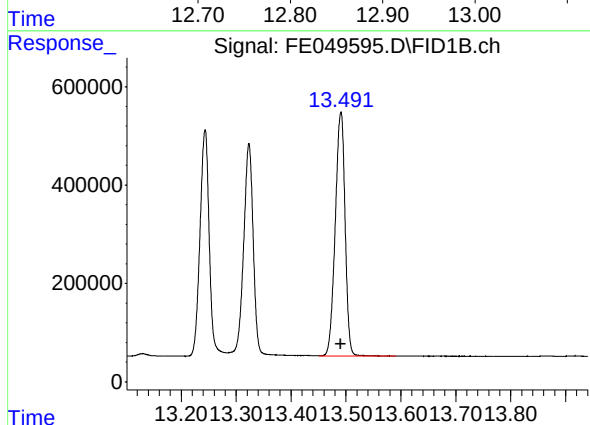
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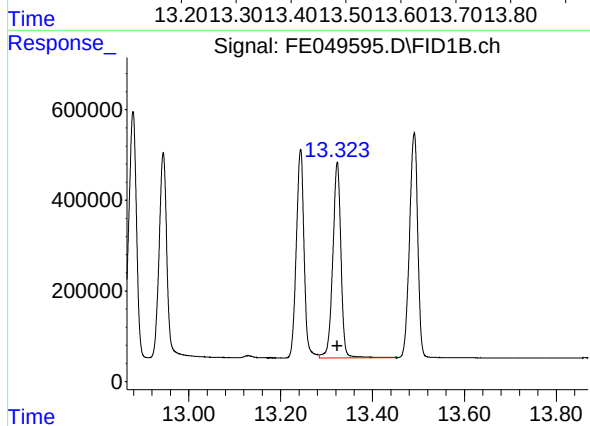
#10 n-Eicosane (C20)

R.T.: 12.878 min  
Delta R.T.: 0.000 min  
Response: 6350259  
Conc: 42.53 ug/ml



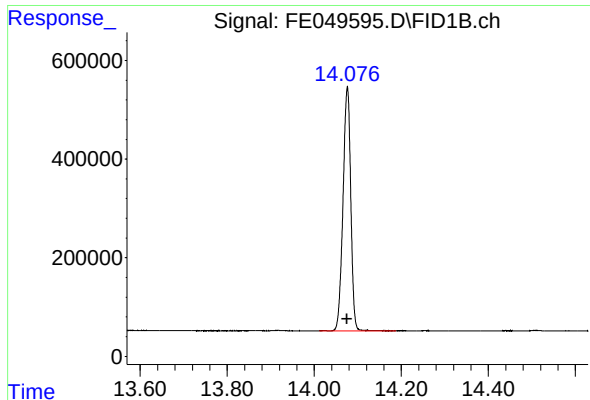
#11 n-Heneicosane (C21)

R.T.: 13.490 min  
Delta R.T.: 0.000 min  
Response: 6178213  
Conc: 42.12 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.323 min  
Delta R.T.: 0.000 min  
Response: 5360840  
Conc: 43.94 ug/ml



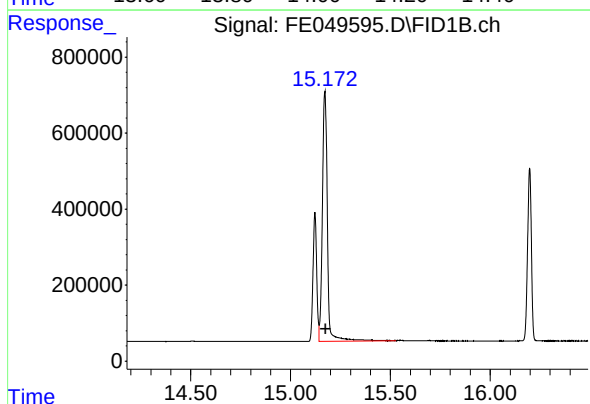
#13 n-Docosane (C22)

R.T.: 14.076 min  
Delta R.T.: 0.000 min  
Response: 6100516  
Conc: 41.86 ug/ml

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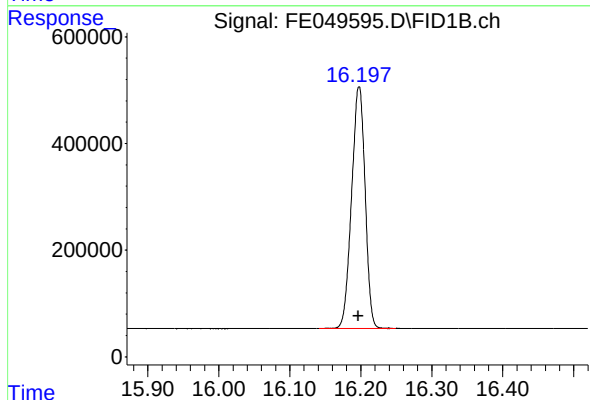
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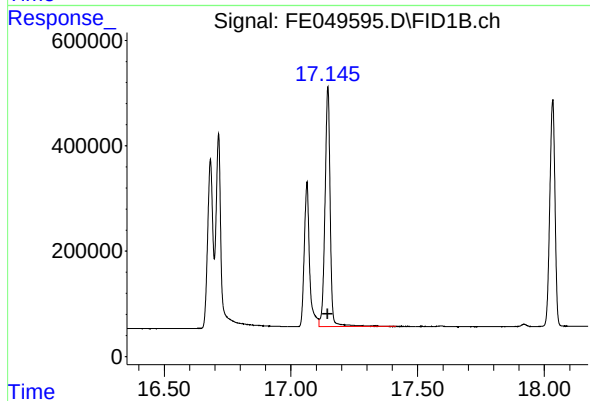
#14 n-Tetracosane (C24)

R.T.: 15.172 min  
Delta R.T.: -0.005 min  
Response: 11477339  
Conc: 78.90 ug/ml



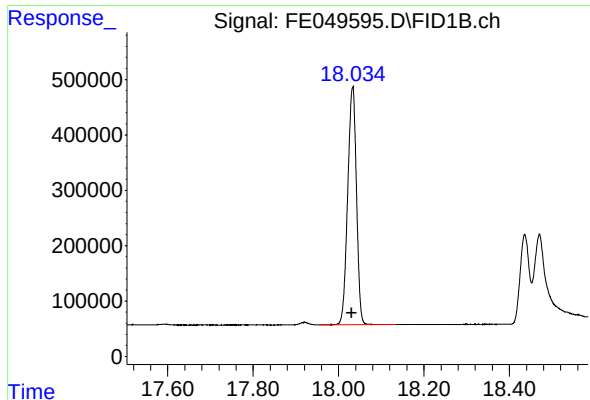
#15 n-Hexacosane (C26)

R.T.: 16.197 min  
Delta R.T.: 0.000 min  
Response: 6001448  
Conc: 41.58 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.145 min  
Delta R.T.: 0.000 min  
Response: 6486689  
Conc: 45.03 ug/ml



#17 n-Tricontane (C30)

R.T.: 18.032 min  
Delta R.T.: 0.001 min  
Response: 6126609  
Conc: 40.92 ug/ml

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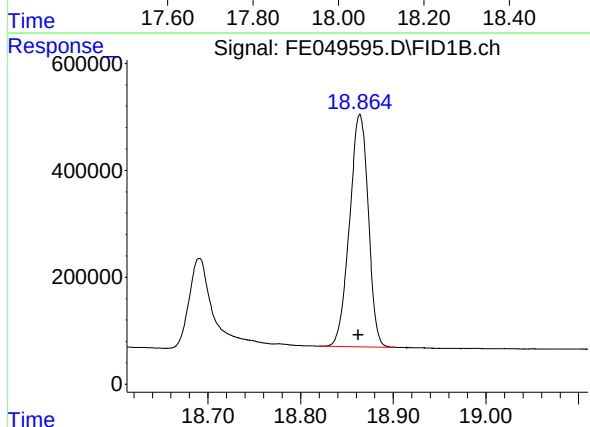
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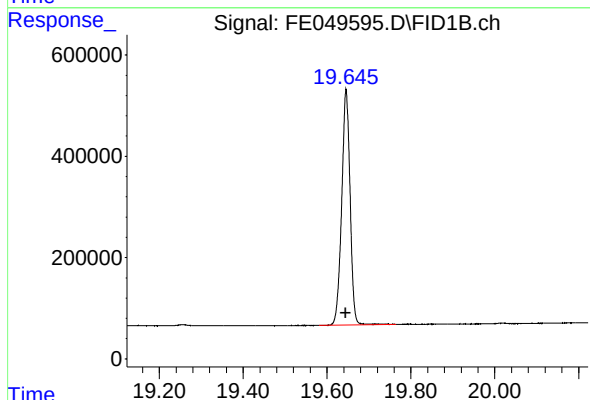
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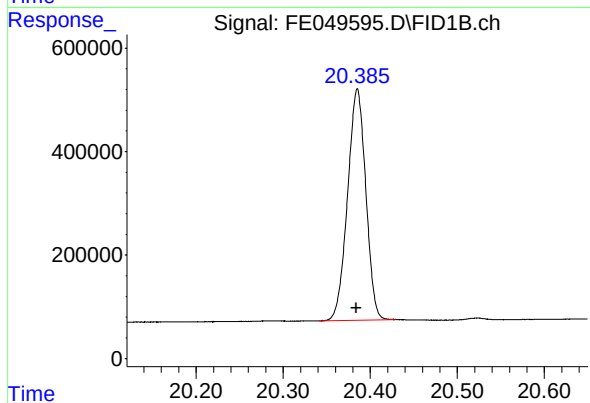
#18 n-Dotriacontane (C32)

R.T.: 18.864 min  
Delta R.T.: 0.001 min  
Response: 6123741  
Conc: 40.48 ug/ml m



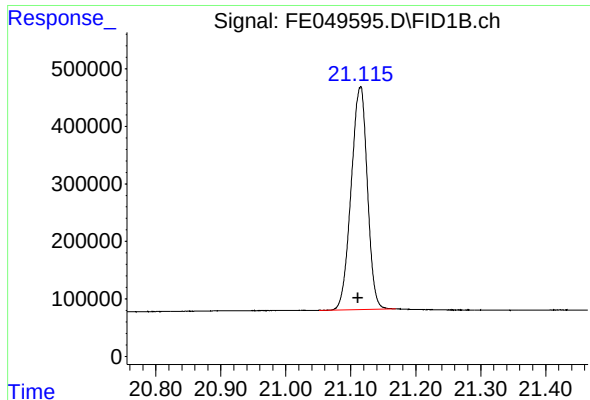
#19 n-Tetratriacontane (C34)

R.T.: 19.646 min  
Delta R.T.: 0.001 min  
Response: 6452140  
Conc: 42.20 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.385 min  
Delta R.T.: 0.001 min  
Response: 6511146  
Conc: 42.88 ug/ml



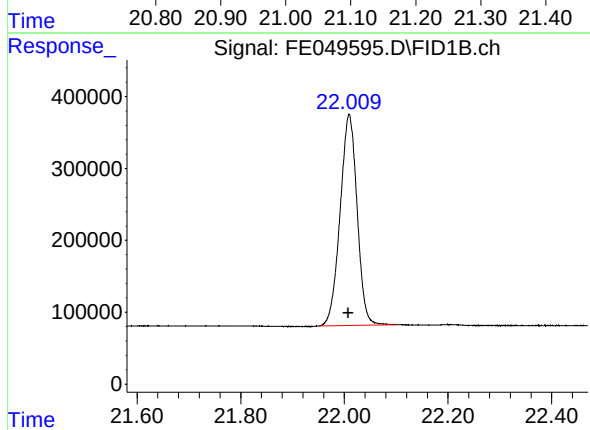
#21 n-Octatriacontane (C38)

R.T.: 21.114 min  
Delta R.T.: 0.002 min  
Response: 6722943  
Conc: 42.83 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.009 min  
Delta R.T.: 0.002 min  
Response: 6687579  
Conc: 43.80 ug/ml