

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE091724AL\  
 Data File : FE050155.D  
 Signal(s) : FID1B.ch  
 Acq On : 17 Sep 2024 17:45  
 Operator : YP\AJ  
 Sample : P4023-01MSD  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

**Instrument :**

FID\_E

**ClientSampleId :**

TP-9MSD

**Manual Integrations****APPROVED**

Reviewed By :Yogesh Patel 09/18/2024

Supervised By :Ankita Jodhani 09/18/2024

Integration File: autoint1.e

Quant Time: Sep 18 01:28:15 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 091024.M

Quant Title : GC Extractables

QLast Update : Mon Sep 09 17:11:47 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)    | 11.875 | 4413736    | 29.666 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 59.33%        |
| 12) S 1-chlorooctadecane (S... | 13.309 | 3572130    | 31.801 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 63.60%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.264  | 3924114    | 28.951 ug/mlm |
| 2) T n-Decane (C10)            | 4.515  | 4375453    | 31.704 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.222  | 4693949    | 33.536 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.681  | 4682546    | 33.862 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.318  | 4308819    | 32.782 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.510  | 5376689    | 39.485 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.114 | 5981440    | 43.062 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.557 | 6070640    | 43.330 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.865 | 5986490    | 44.627 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.476 | 5780526    | 43.993 ug/ml  |
| 13) T n-Docosane (C22)         | 14.061 | 5573975    | 42.805 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.160 | 10297639   | 78.854 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.183 | 5329077    | 41.653 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.131 | 5957585    | 46.251 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.018 | 5553249    | 41.529 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.850 | 5627041    | 42.227 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.633 | 5823416    | 47.130 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.372 | 5851178    | 52.737 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 21.100 | 6052141    | 54.880 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.991 | 5735619    | 52.710 ug/ml  |
| -----                          |        |            |               |

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

(m)=manual int.

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Quant Title : GC Extractables

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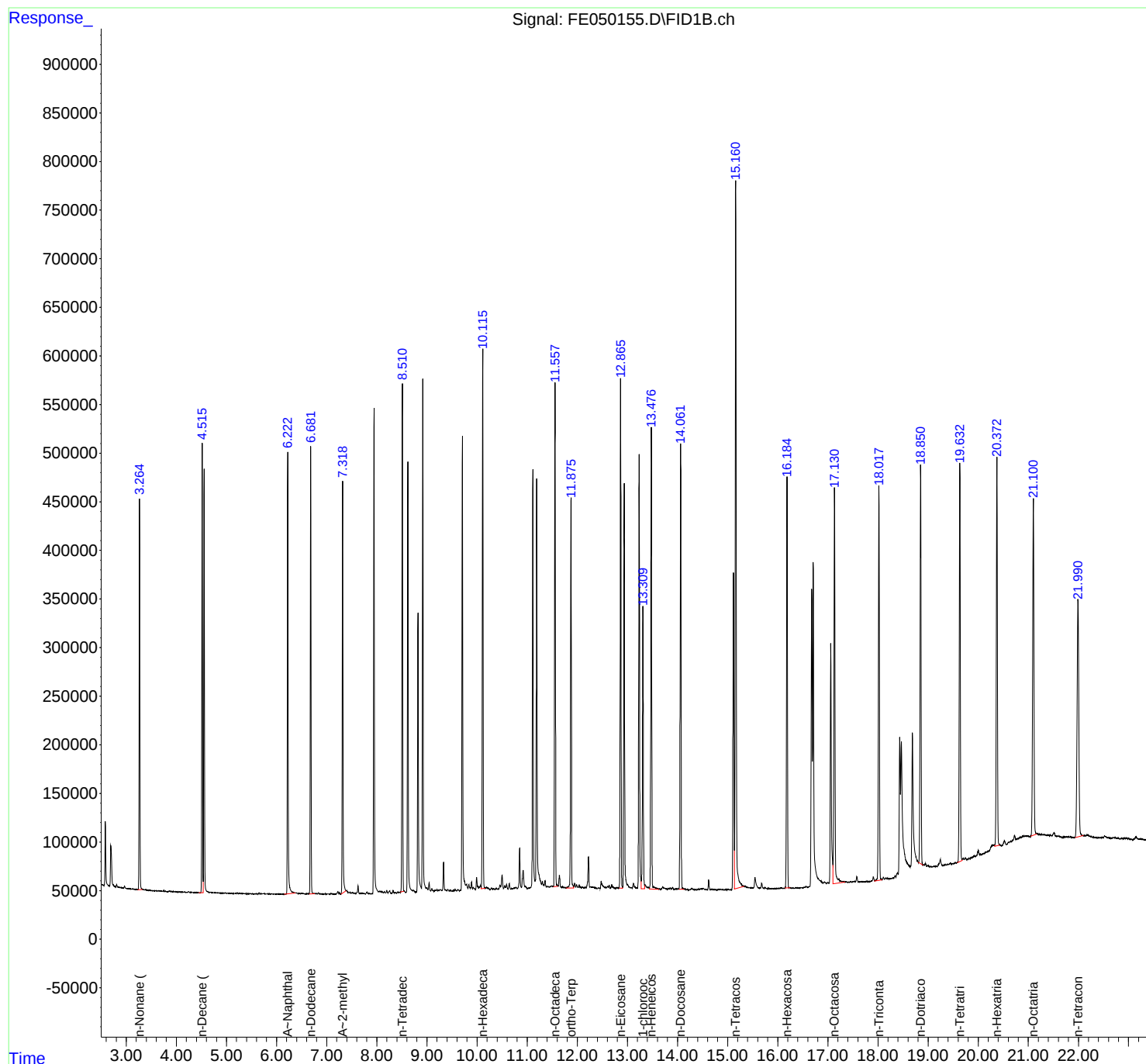
Response via : Initial Calibration

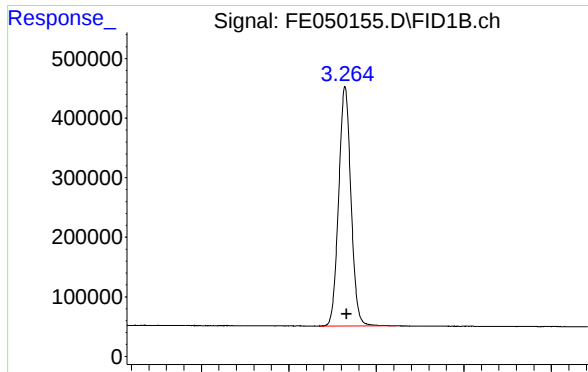
Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um





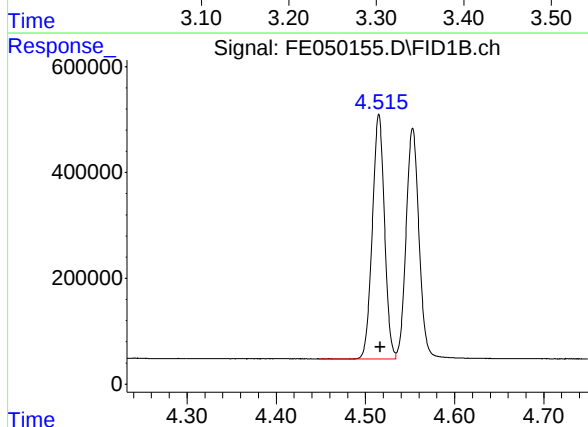
#1 n-Nonane (C9)

R.T.: 3.264 min  
Delta R.T.: -0.002 min  
Response: 3924114  
Conc: 28.95 ug/ml

Instrument :  
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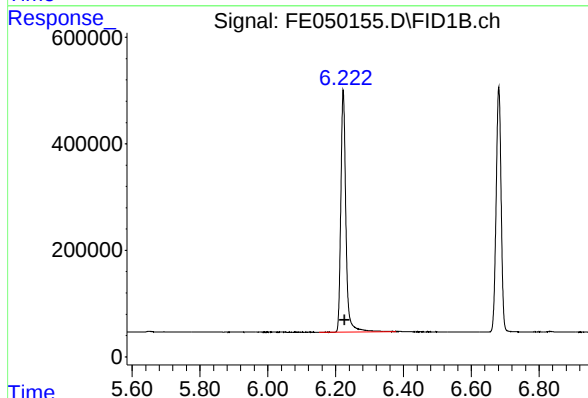
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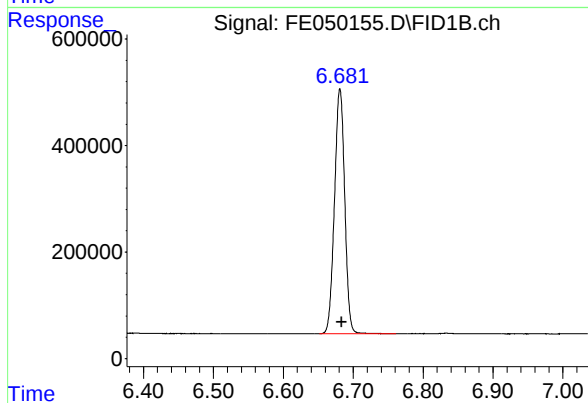
#2 n-Decane (C10)

R.T.: 4.515 min  
Delta R.T.: -0.002 min  
Response: 4375453  
Conc: 31.70 ug/ml



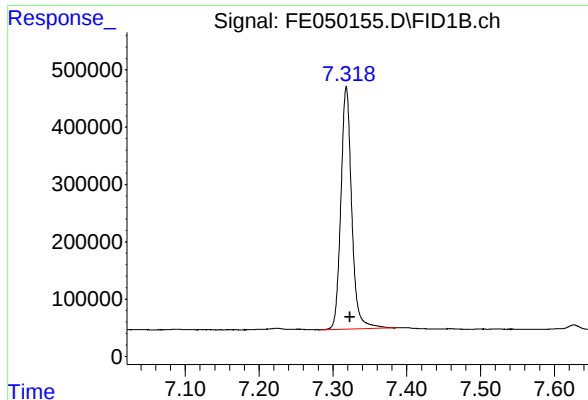
#3 A~Naphthalene (C11.7)

R.T.: 6.222 min  
Delta R.T.: -0.005 min  
Response: 4693949  
Conc: 33.54 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.681 min  
Delta R.T.: -0.003 min  
Response: 4682546  
Conc: 33.86 ug/ml



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

R.T.: 7.318 min  
Delta R.T.: -0.005 min  
Response: 4308819  
Conc: 32.78 ug/ml

Instrument :

FID\_E

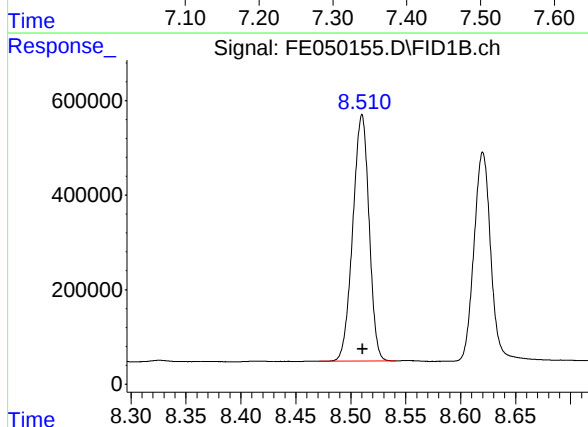
ClientSampleId :

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Manual Integrations

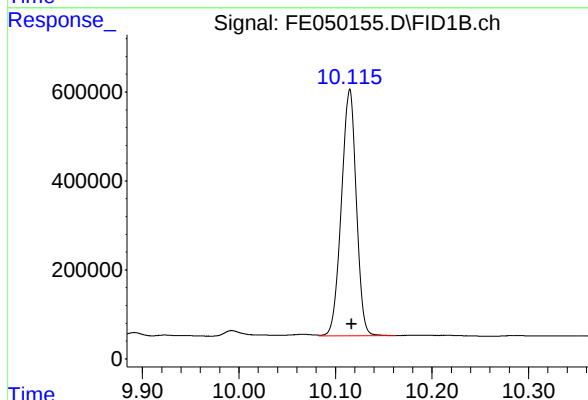
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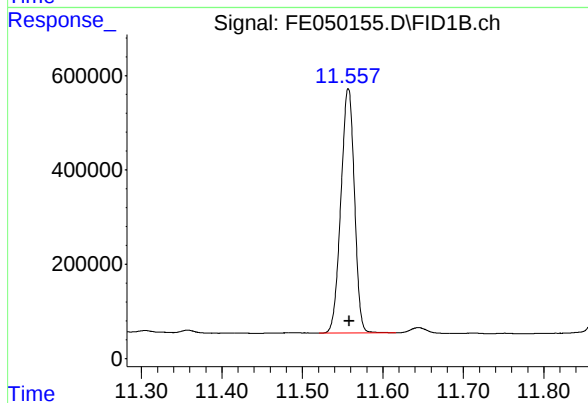
#6 n-Tetradecane (C14)

R.T.: 8.510 min  
Delta R.T.: 0.000 min  
Response: 5376689  
Conc: 39.48 ug/ml



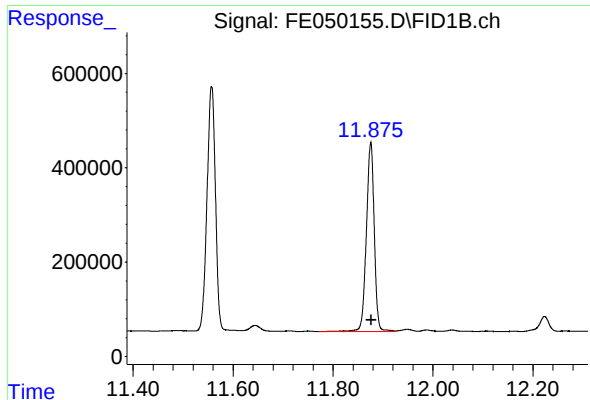
#7 n-Hexadecane (C16)

R.T.: 10.114 min  
Delta R.T.: -0.002 min  
Response: 5981440  
Conc: 43.06 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.557 min  
Delta R.T.: -0.001 min  
Response: 6070640  
Conc: 43.33 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 11.875 min  
Delta R.T.: -0.001 min  
Response: 4413736  
Conc: 29.67 ug/ml

Instrument :

FID\_E

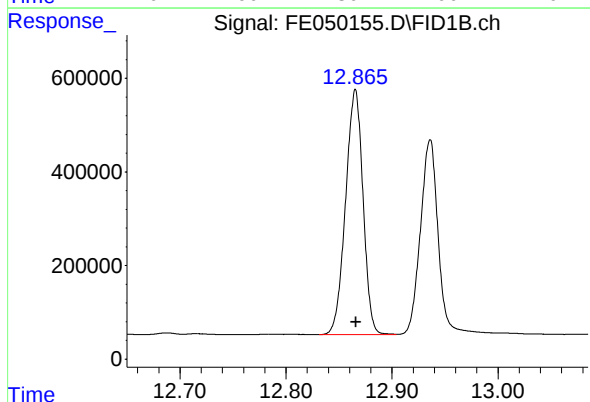
ClientSampleId :

TP-9MSD

Manual Integrations

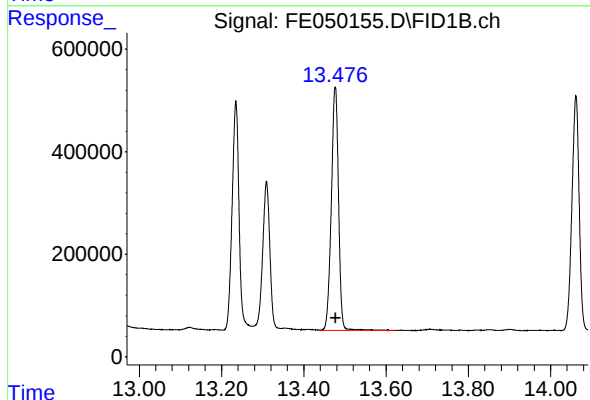
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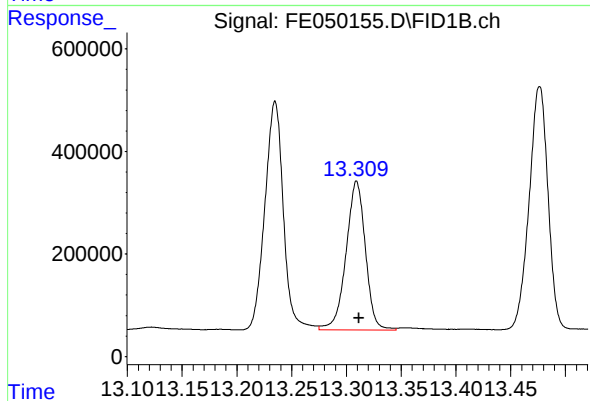
#10 n-Eicosane (C20)

R.T.: 12.865 min  
Delta R.T.: 0.000 min  
Response: 5986490  
Conc: 44.63 ug/ml



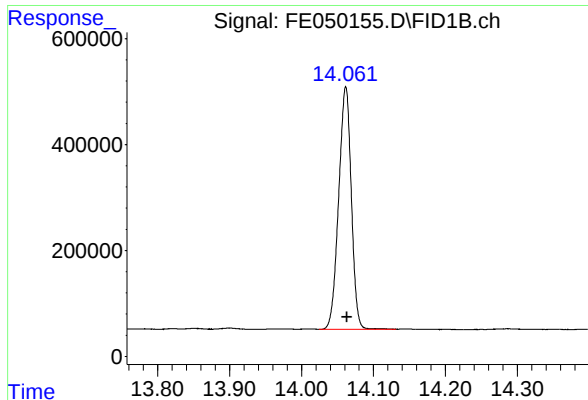
#11 n-Heneicosane (C21)

R.T.: 13.476 min  
Delta R.T.: 0.000 min  
Response: 5780526  
Conc: 43.99 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.309 min  
Delta R.T.: -0.002 min  
Response: 3572130  
Conc: 31.80 ug/ml



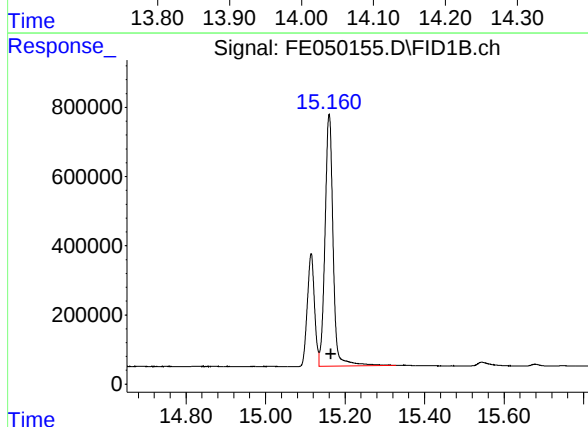
#13 n-Docosane (C22)

R.T.: 14.061 min  
Delta R.T.: -0.002 min  
Response: 5573975  
Conc: 42.81 ug/ml

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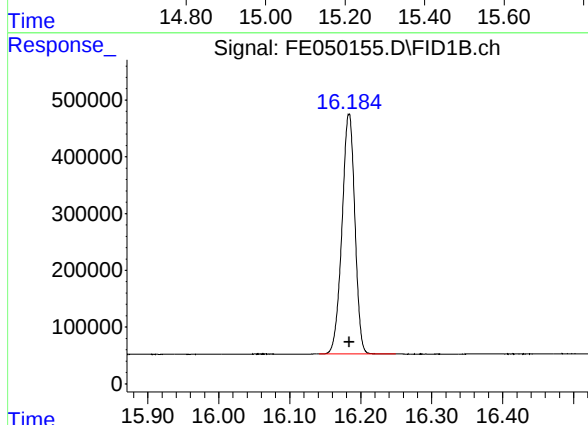
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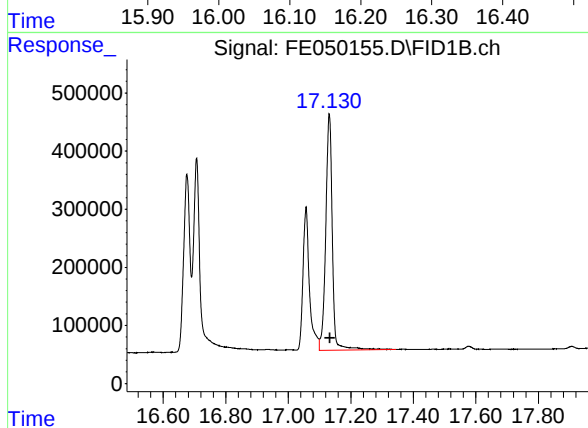
#14 n-Tetracosane (C24)

R.T.: 15.160 min  
Delta R.T.: -0.004 min  
Response: 10297639  
Conc: 78.85 ug/ml



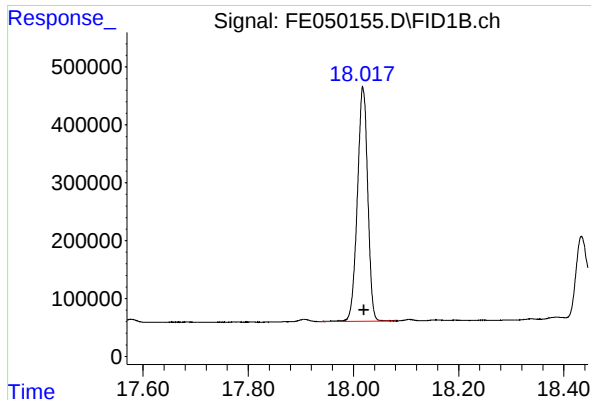
#15 n-Hexacosane (C26)

R.T.: 16.183 min  
Delta R.T.: 0.000 min  
Response: 5329077  
Conc: 41.65 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.131 min  
Delta R.T.: -0.002 min  
Response: 5957585  
Conc: 46.25 ug/ml



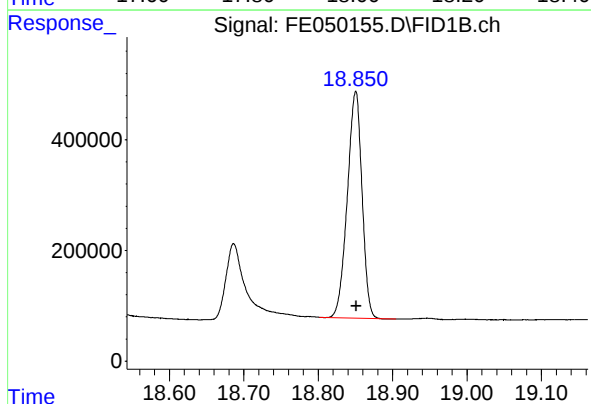
#17 n-Tricontane (C30)

R.T.: 18.018 min  
Delta R.T.: -0.002 min  
Response: 5553249  
Conc: 41.53 ug/ml

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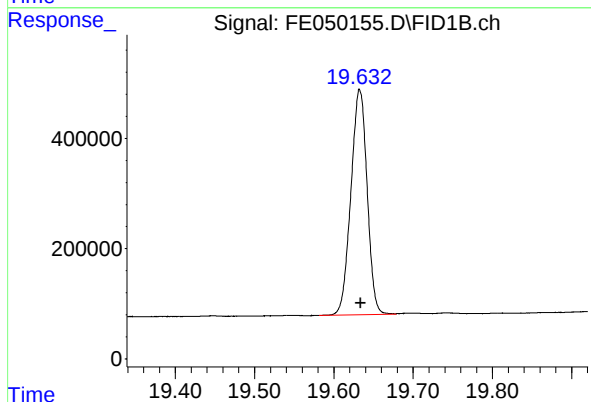
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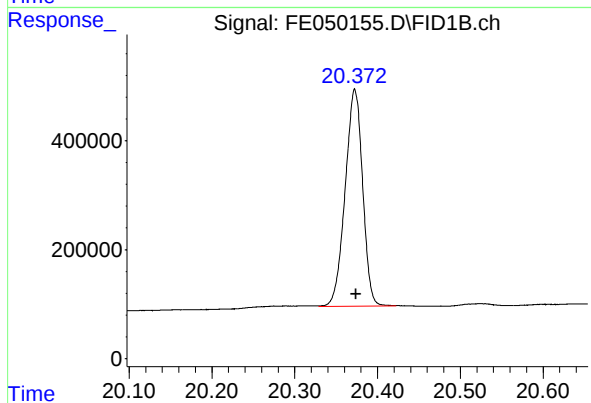
#18 n-Dotriacontane (C32)

R.T.: 18.850 min  
Delta R.T.: 0.000 min  
Response: 5627041  
Conc: 42.23 ug/ml



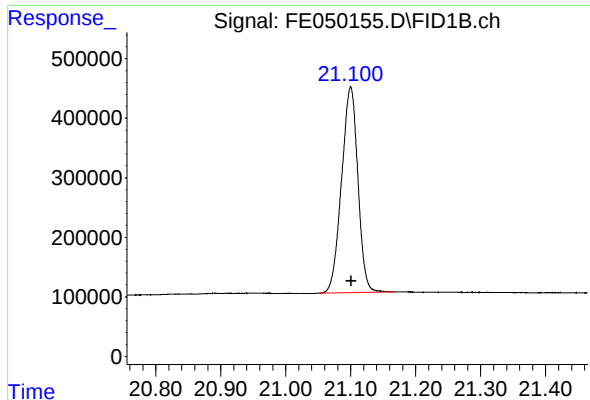
#19 n-Tetratriacontane (C34)

R.T.: 19.633 min  
Delta R.T.: -0.001 min  
Response: 5823416  
Conc: 47.13 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.372 min  
Delta R.T.: -0.002 min  
Response: 5851178  
Conc: 52.74 ug/ml m



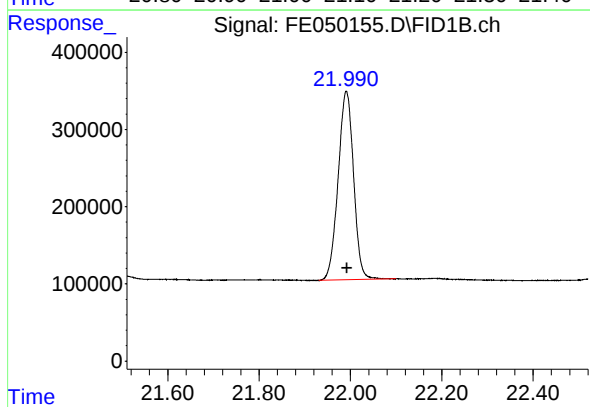
#21 n-Octatriacontane (C38)

R.T.: 21.100 min  
Delta R.T.: -0.001 min  
Response: 6052141  
Conc: 54.88 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.991 min  
Delta R.T.: -0.001 min  
Response: 5735619  
Conc: 52.71 ug/ml