

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE051023AL\  
 Data File : FE041843.D  
 Signal(s) : FID1B.ch  
 Acq On : 10 May 2023 17:35  
 Operator : YP\AJ  
 Sample : 02691-13MS  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

**Instrument :**

FID\_E

**ClientSampleId :**

AU-504-20MS

**Manual Integrations****APPROVED**

Reviewed By :Yogesh Patel 05/11/2023

Supervised By :Ankita Jodhani 05/11/2023

Integration File: autoint1.e

Quant Time: May 11 01:05:31 2023

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 042123.M

Quant Title : GC Extractables

QLast Update : Fri Apr 21 07:33:51 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)    | 11.969 | 4206652    | 22.423 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 44.85%        |
| 12) S 1-chlorooctadecane (S... | 13.404 | 3383330    | 23.949 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 47.90%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.352  | 4500810    | 30.619 ug/ml  |
| 2) T n-Decane (C10)            | 4.604  | 5033146    | 33.559 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.307  | 5878680    | 35.523 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.770  | 5475754    | 36.014 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.404  | 5778880    | 35.839 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.601  | 5669456    | 37.323 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.208 | 6161513    | 38.610 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.652 | 6584950    | 40.174 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.962 | 6660491    | 41.409 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.574 | 6525189    | 40.943 ug/ml  |
| 13) T n-Docosane (C22)         | 14.161 | 6477738    | 40.656 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.249 | 11941220   | 74.068 ug/mlm |
| 15) T n-Hexacosane (C26)       | 16.286 | 6126658    | 38.753 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.233 | 5981814    | 38.875 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.122 | 5820712    | 38.218 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.953 | 5562272    | 37.336 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.738 | 5446700    | 38.663 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.476 | 5196173    | 38.856 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.228 | 5151351    | 38.986 ug/ml  |
| 22) T n-Tetracontane (C40)     | 22.164 | 5203551    | 41.099 ug/ml  |
| -----                          |        |            |               |

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

(m)=manual int.

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ClientSampleId :

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## Manual Integrations

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Integration File: autoint1.e

Quant Time: May 11 01:05:31 2023

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 042123.

Quant Title : GC Extractables

QLast Update : Fri Apr 21 07:33:51 2023

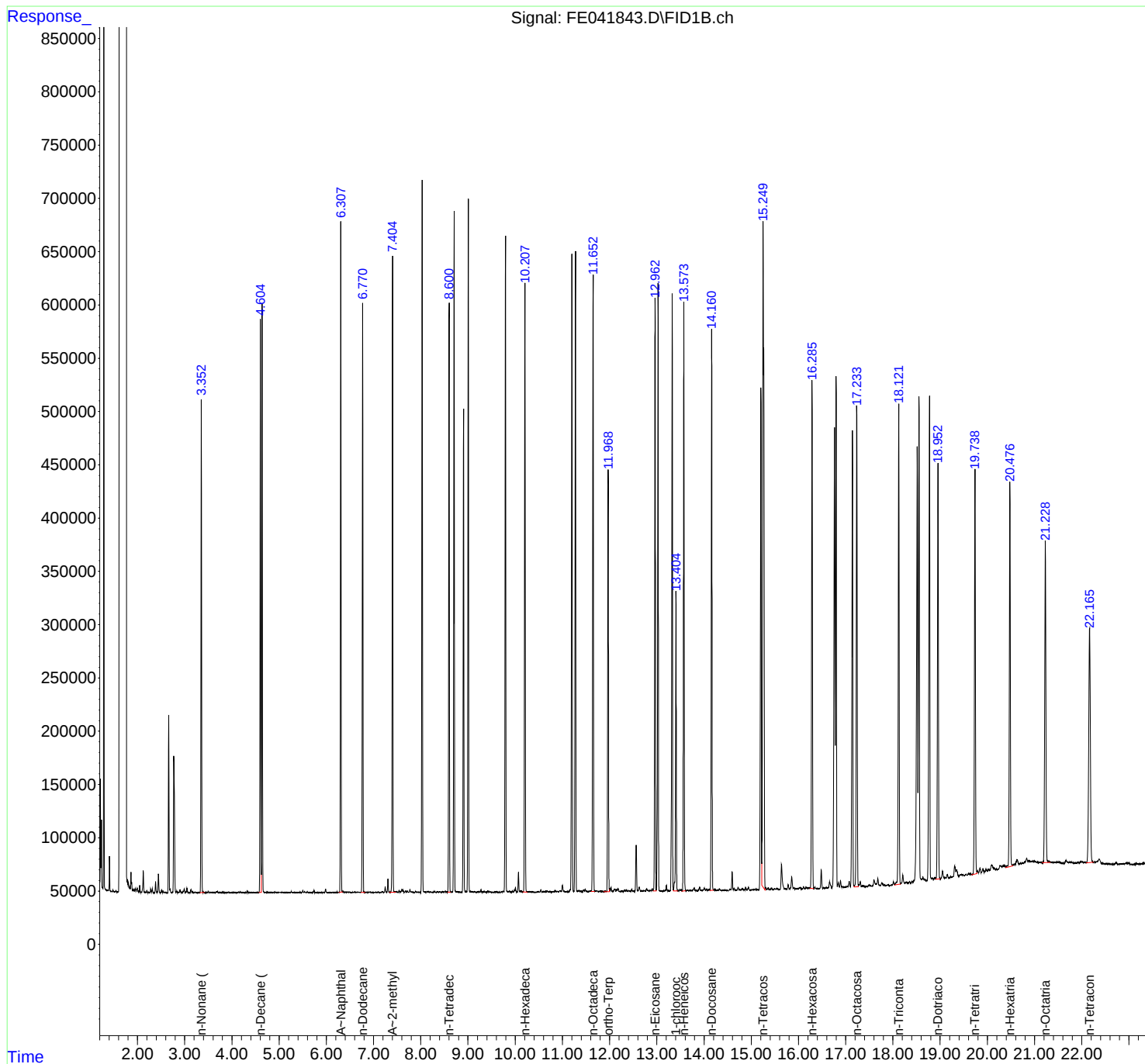
Response via : Initial Calibration

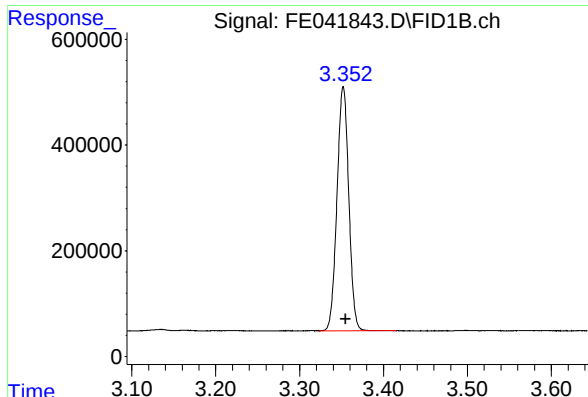
Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um





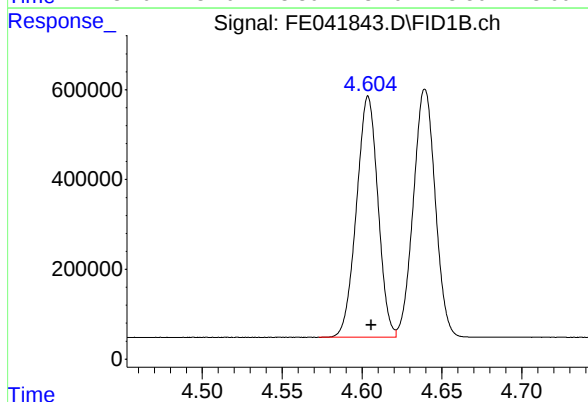
#1 n-Nonane (C9)

R.T.: 3.352 min  
Delta R.T.: -0.003 min  
Response: 4500810  
Conc: 30.62 ug/ml

Instrument :  
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AU-504-20MS

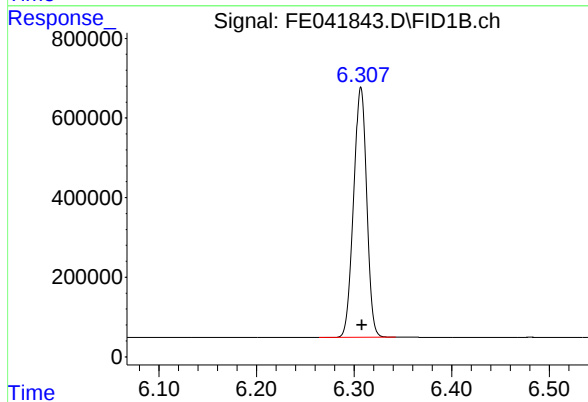
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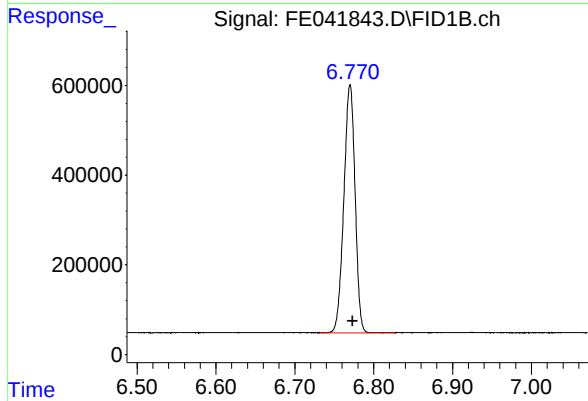
#2 n-Decane (C10)

R.T.: 4.604 min  
Delta R.T.: -0.002 min  
Response: 5033146  
Conc: 33.56 ug/ml



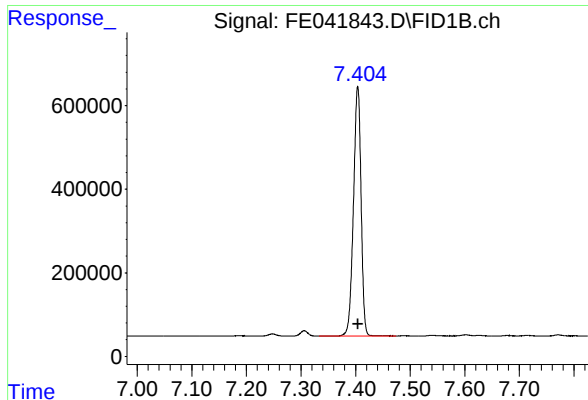
#3 A~Naphthalene (C11.7)

R.T.: 6.307 min  
Delta R.T.: -0.001 min  
Response: 5878680  
Conc: 35.52 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.770 min  
Delta R.T.: -0.003 min  
Response: 5475754  
Conc: 36.01 ug/ml



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

R.T.: 7.404 min  
Delta R.T.: 0.000 min  
Response: 5778880  
Conc: 35.84 ug/ml

Instrument :

FID\_E

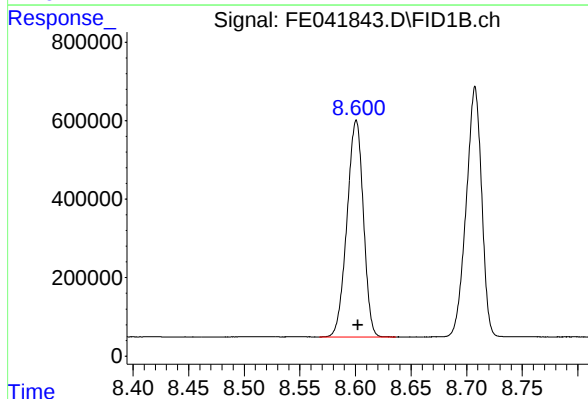
ClientSampleId :

AU-504-20MS

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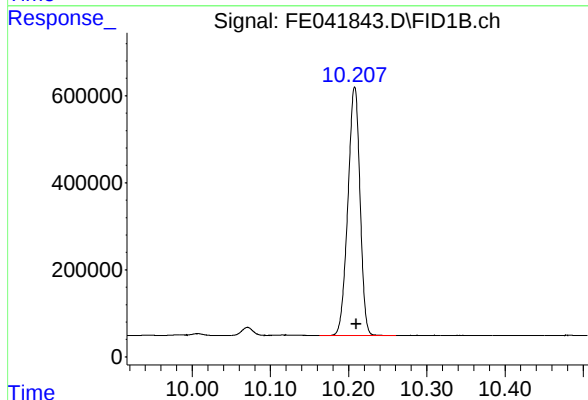
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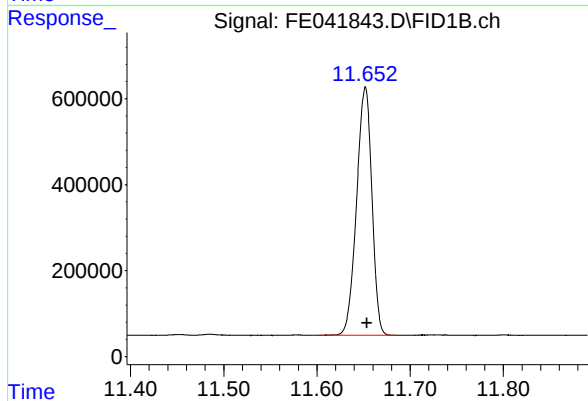
#6 n-Tetradecane (C14)

R.T.: 8.601 min  
Delta R.T.: -0.002 min  
Response: 5669456  
Conc: 37.32 ug/ml



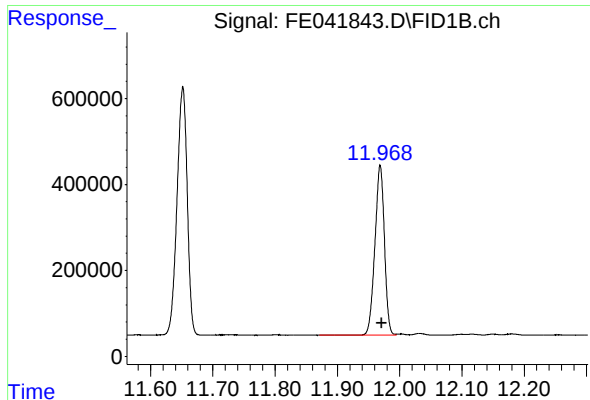
#7 n-Hexadecane (C16)

R.T.: 10.208 min  
Delta R.T.: -0.002 min  
Response: 6161513  
Conc: 38.61 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.652 min  
Delta R.T.: -0.002 min  
Response: 6584950  
Conc: 40.17 ug/ml



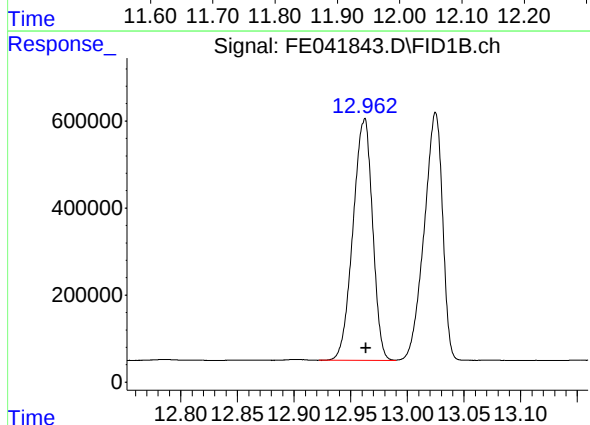
#9 ortho-Terphenyl (SURR)

R.T.: 11.969 min  
Delta R.T.: -0.003 min  
Response: 4206652  
Conc: 22.42 ug/ml

Instrument :  
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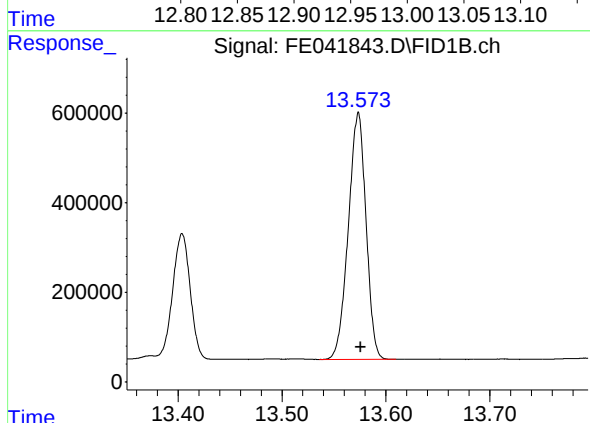
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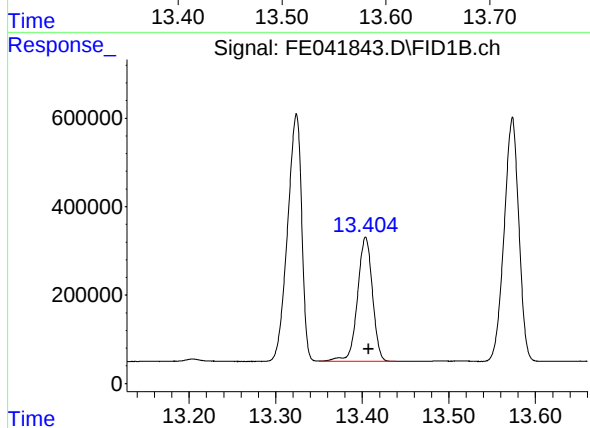
#10 n-Eicosane (C20)

R.T.: 12.962 min  
Delta R.T.: -0.001 min  
Response: 6660491  
Conc: 41.41 ug/ml



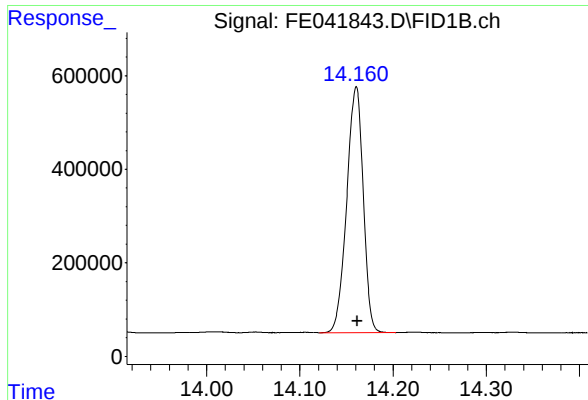
#11 n-Heneicosane (C21)

R.T.: 13.574 min  
Delta R.T.: -0.002 min  
Response: 6525189  
Conc: 40.94 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.404 min  
Delta R.T.: -0.004 min  
Response: 3383330  
Conc: 23.95 ug/ml



#13 n-Docosane (C22)

R.T.: 14.161 min  
Delta R.T.: -0.001 min  
Response: 6477738  
Conc: 40.66 ug/ml

Instrument :

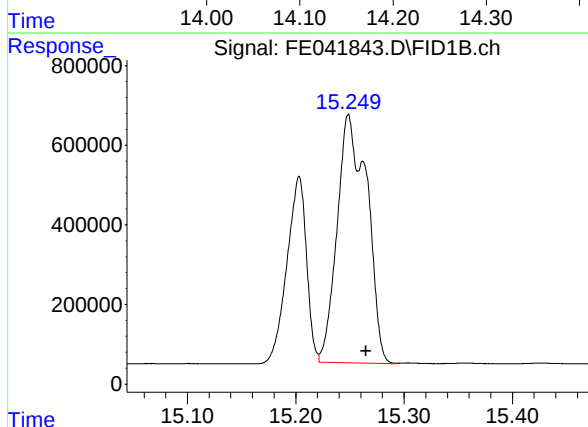
FID\_E

ClientSampleId :

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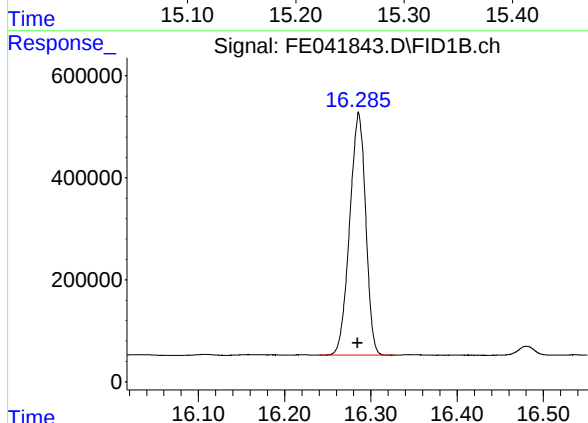
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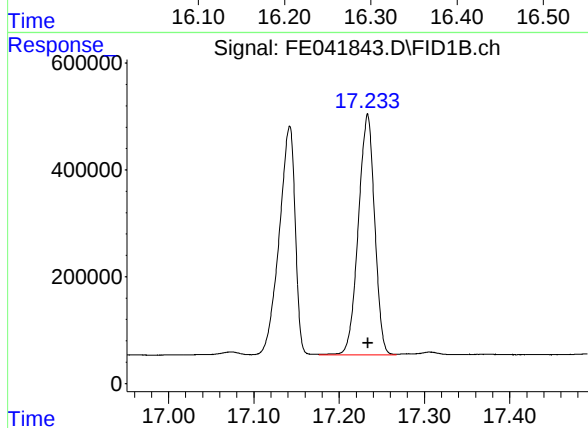
#14 n-Tetracosane (C24)

R.T.: 15.249 min  
Delta R.T.: -0.016 min  
Response: 11941220  
Conc: 74.07 ug/ml



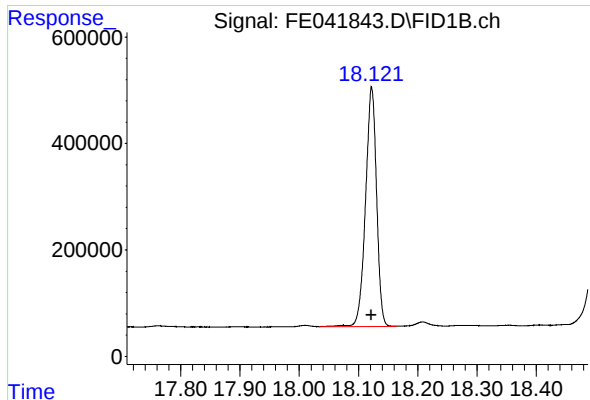
#15 n-Hexacosane (C26)

R.T.: 16.286 min  
Delta R.T.: 0.001 min  
Response: 6126658  
Conc: 38.75 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.233 min  
Delta R.T.: 0.000 min  
Response: 5981814  
Conc: 38.88 ug/ml



#17 n-Tricontane (C30)

R.T.: 18.122 min  
Delta R.T.: 0.000 min  
Response: 5820712  
Conc: 38.22 ug/ml

Instrument :

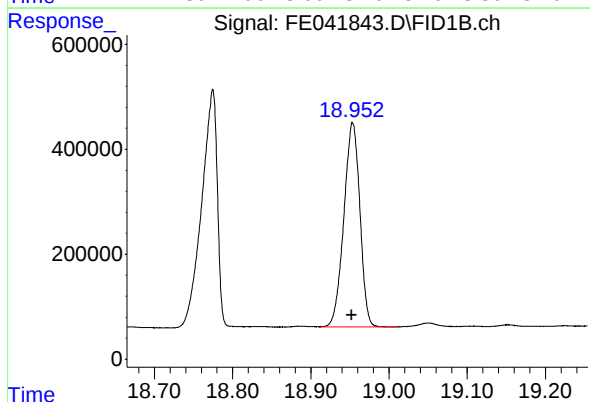
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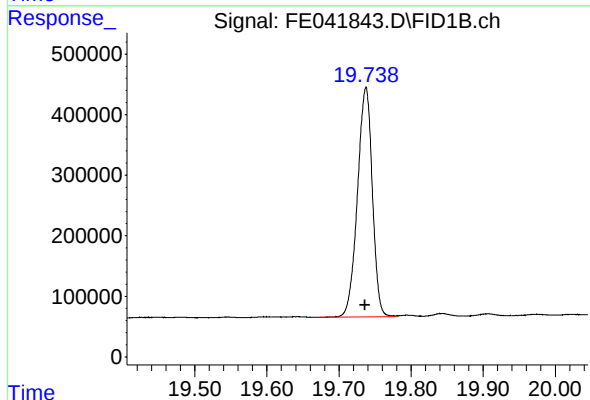
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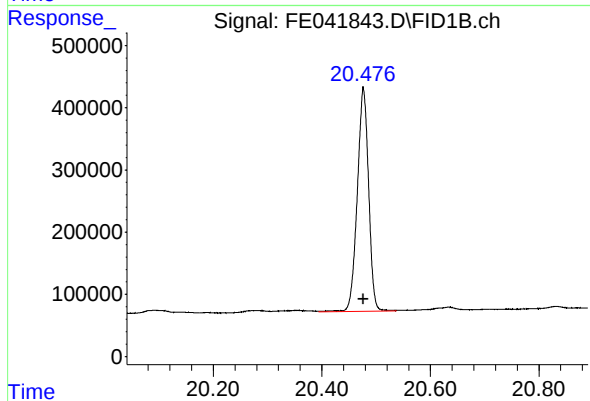
#18 n-Dotriacontane (C32)

R.T.: 18.953 min  
Delta R.T.: 0.001 min  
Response: 5562272  
Conc: 37.34 ug/ml



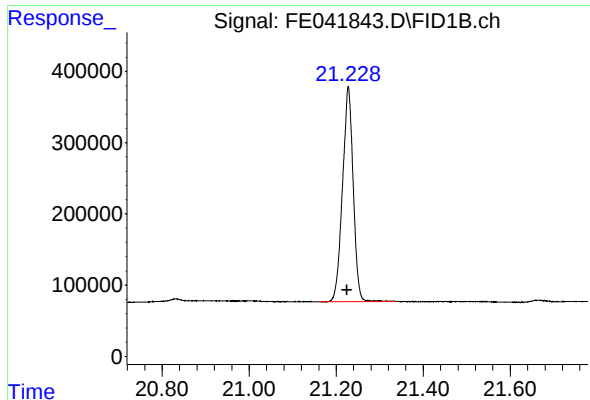
#19 n-Tetratriacontane (C34)

R.T.: 19.738 min  
Delta R.T.: 0.002 min  
Response: 5446700  
Conc: 38.66 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.476 min  
Delta R.T.: 0.000 min  
Response: 5196173  
Conc: 38.86 ug/ml



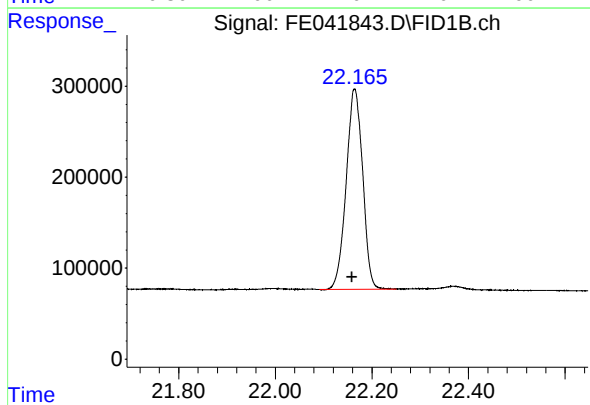
#21 n-Octatriacontane (C38)

R.T.: 21.228 min  
Delta R.T.: 0.003 min  
Response: 5151351  
Conc: 38.99 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.164 min  
Delta R.T.: 0.005 min  
Response: 5203551  
Conc: 41.10 ug/ml