

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE061223AL\  
 Data File : FE042564.D  
 Signal(s) : FID1B.ch  
 Acq On : 12 Jun 2023 20:41  
 Operator : YP\AJ  
 Sample : 03140-01MS  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

**Instrument :**

FID\_E

**ClientSampleId :**

TP-3-GAMS

**Manual Integrations****APPROVED**

Reviewed By :Yogesh Patel 06/13/2023

Supervised By :Ankita Jodhani 06/13/2023

Integration File: autoint1.e

Quant Time: Jun 13 01:50:48 2023

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 051823.M

Quant Title : GC Extractables

QLast Update : Thu May 18 06:27:12 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)    | 11.944 | 5427351    | 30.736 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 61.47%       |
| 12) S 1-chlorooctadecane (S... | 13.380 | 4190478    | 31.536 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 63.07%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.324  | 4307900    | 29.875 ug/ml |
| 2) T n-Decane (C10)            | 4.575  | 4857082    | 32.810 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.283  | 5374519    | 32.940 ug/ml |
| 4) T n-Dodecane (C12)          | 6.744  | 5260825    | 35.083 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.380  | 5264556    | 33.172 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.574  | 5479212    | 36.575 ug/ml |
| 7) T n-Hexadecane (C16)        | 10.181 | 5946081    | 38.172 ug/ml |
| 8) T n-Octadecane (C18)        | 11.626 | 6085337    | 38.482 ug/ml |
| 10) T n-Eicosane (C20)         | 12.936 | 6056839    | 39.957 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.547 | 5780162    | 39.015 ug/ml |
| 13) T n-Docosane (C22)         | 14.134 | 5680322    | 38.748 ug/ml |
| 14) T n-Tetracosane (C24)      | 15.230 | 10658262   | 73.833 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.261 | 5358133    | 38.687 ug/ml |
| 16) T n-Octacosane (C28)       | 17.209 | 5229011    | 39.056 ug/ml |
| 17) T n-Tricontane (C30)       | 18.098 | 5222715    | 38.689 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.930 | 5126982    | 38.378 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.714 | 5226497    | 39.742 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.455 | 5145064    | 39.586 ug/ml |
| 21) T n-Octatriacontane (C38)  | 21.203 | 5342959    | 39.381 ug/ml |
| 22) T n-Tetracontane (C40)     | 22.131 | 5604723    | 40.287 ug/ml |
| -----                          |        |            |              |

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

(m)=manual int.

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## Manual Integrations

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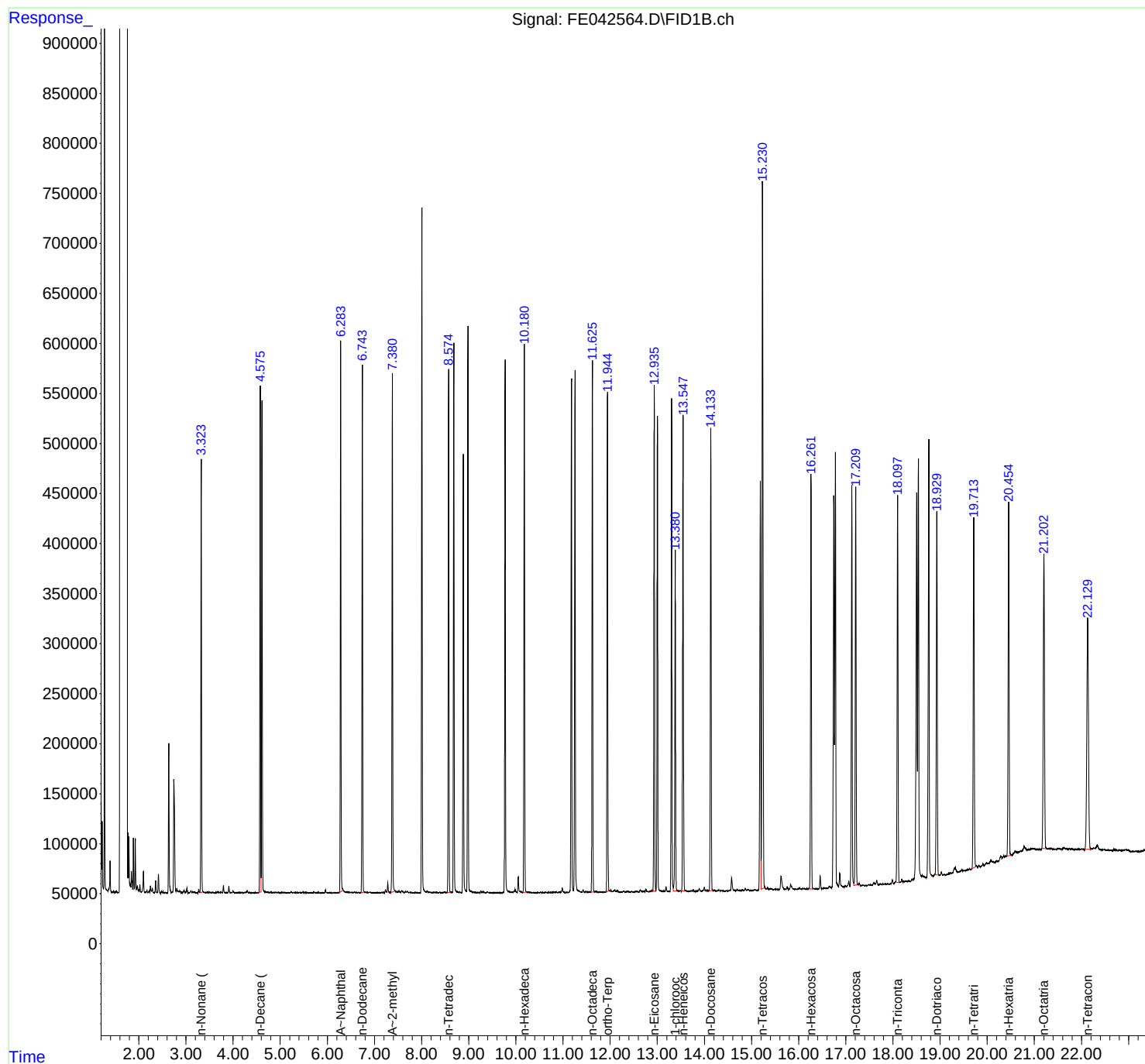
Response via : Initial Calibration

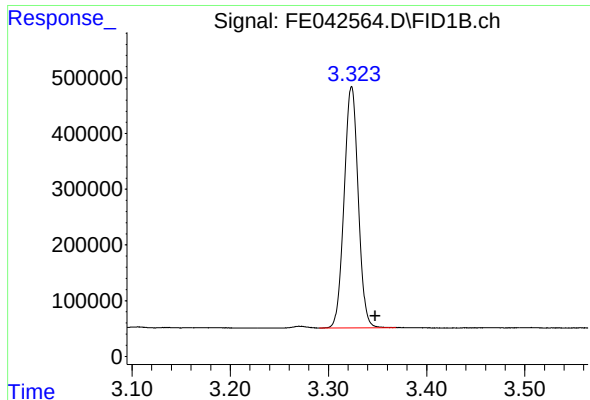
Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 3.324 min  
Delta R.T.: -0.024 min  
Response: 4307900  
Conc: 29.87 ug/ml

Instrument :

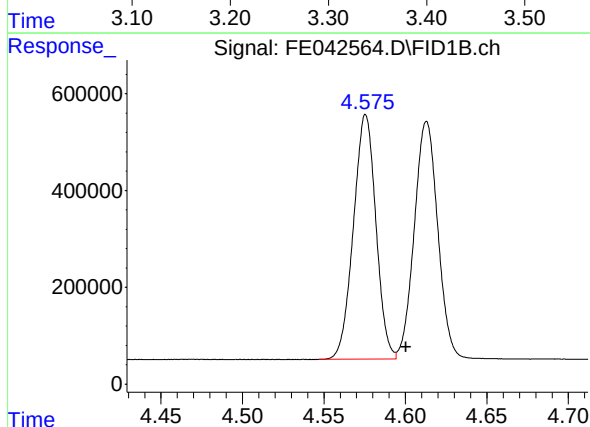
FID\_E

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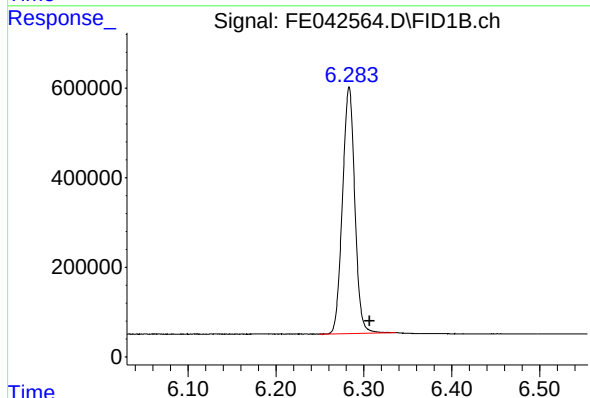
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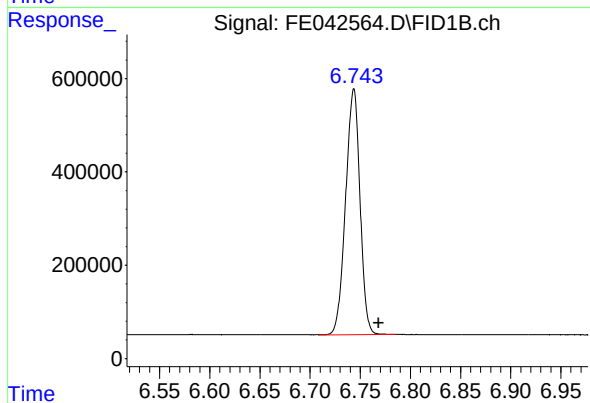
#2 n-Decane (C10)

R.T.: 4.575 min  
Delta R.T.: -0.025 min  
Response: 4857082  
Conc: 32.81 ug/ml m



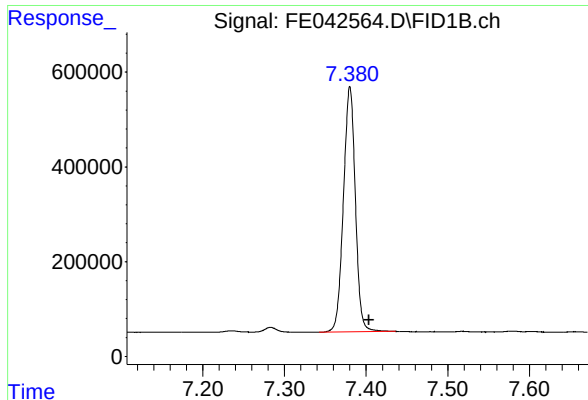
#3 A~Naphthalene (C11.7)

R.T.: 6.283 min  
Delta R.T.: -0.023 min  
Response: 5374519  
Conc: 32.94 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.744 min  
Delta R.T.: -0.025 min  
Response: 5260825  
Conc: 35.08 ug/ml



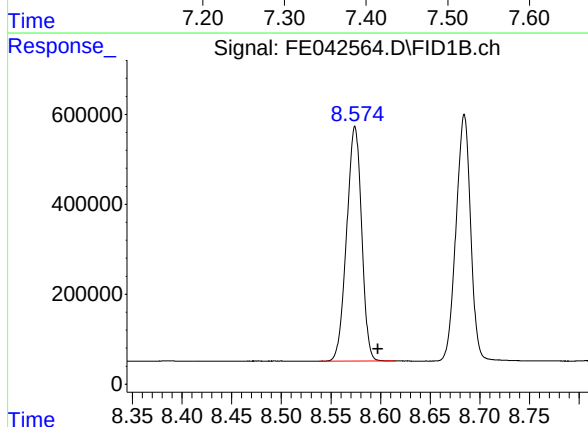
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.380 min  
Delta R.T.: -0.023 min  
Response: 5264556  
Conc: 33.17 ug/ml

Instrument :  
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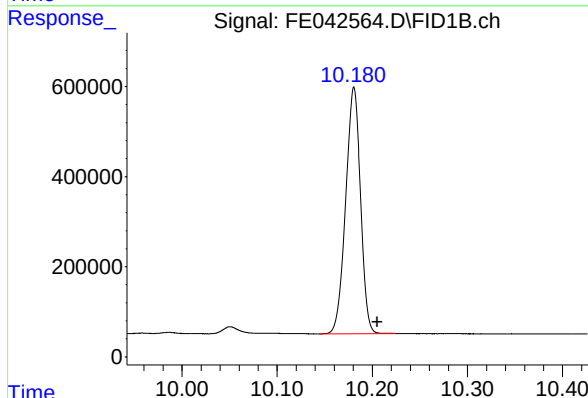
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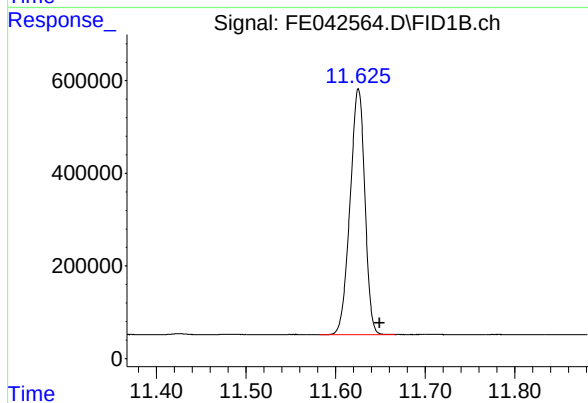
#6 n-Tetradecane (C14)

R.T.: 8.574 min  
Delta R.T.: -0.023 min  
Response: 5479212  
Conc: 36.58 ug/ml



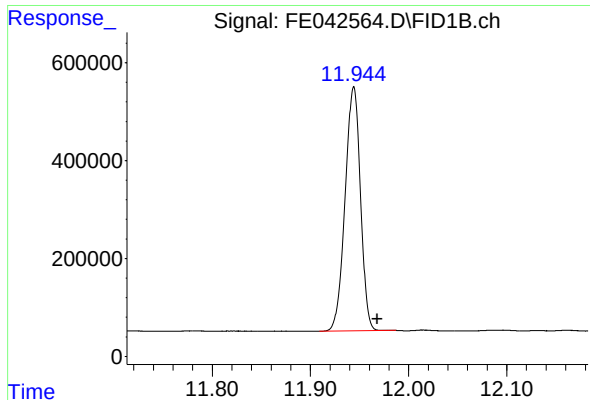
#7 n-Hexadecane (C16)

R.T.: 10.181 min  
Delta R.T.: -0.025 min  
Response: 5946081  
Conc: 38.17 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.626 min  
Delta R.T.: -0.024 min  
Response: 6085337  
Conc: 38.48 ug/ml



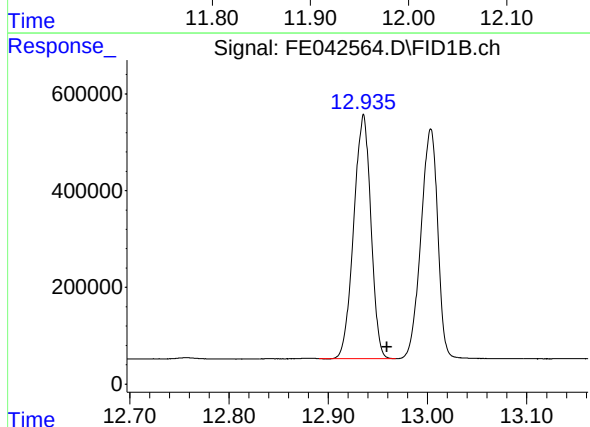
#9 ortho-Terphenyl (SURR)

R.T.: 11.944 min  
Delta R.T.: -0.024 min  
Response: 5427351  
Conc: 30.74 ug/ml

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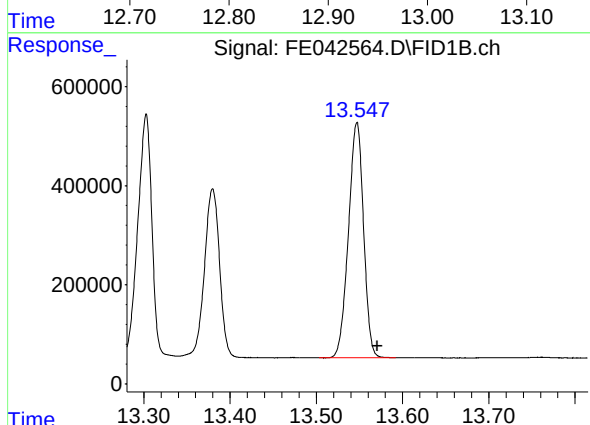
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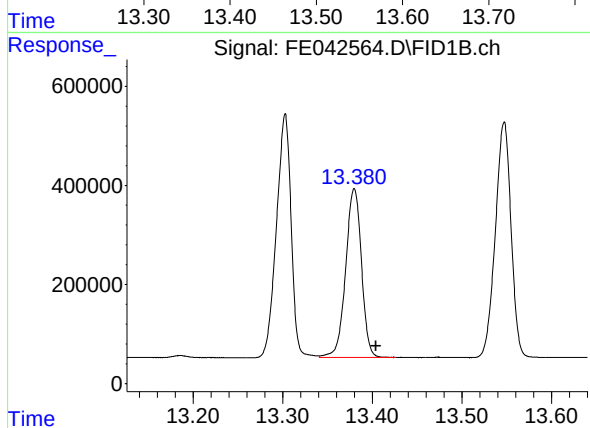
#10 n-Eicosane (C20)

R.T.: 12.936 min  
Delta R.T.: -0.024 min  
Response: 6056839  
Conc: 39.96 ug/ml



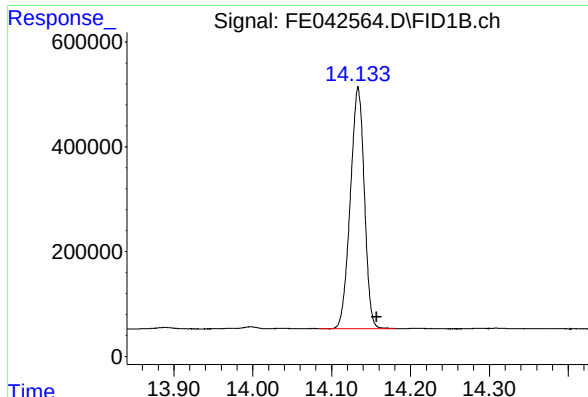
#11 n-Heneicosane (C21)

R.T.: 13.547 min  
Delta R.T.: -0.024 min  
Response: 5780162  
Conc: 39.01 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.380 min  
Delta R.T.: -0.024 min  
Response: 4190478  
Conc: 31.54 ug/ml



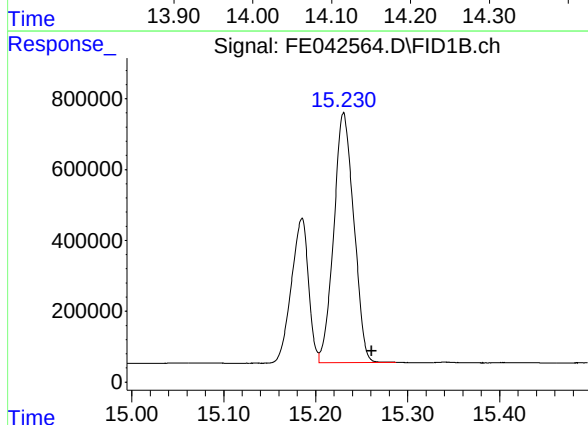
#13 n-Docosane (C22)

R.T.: 14.134 min  
Delta R.T.: -0.024 min  
Response: 5680322  
Conc: 38.75 ug/ml

Instrument :  
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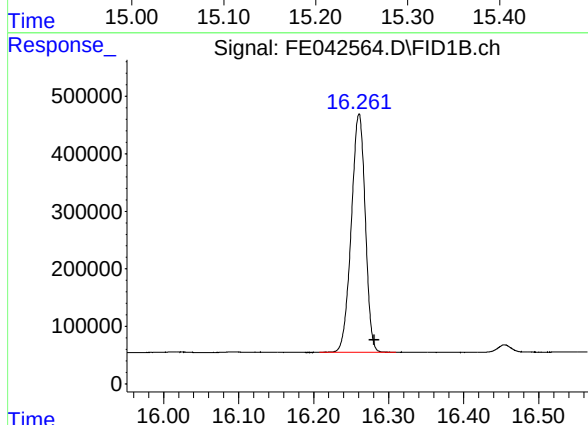
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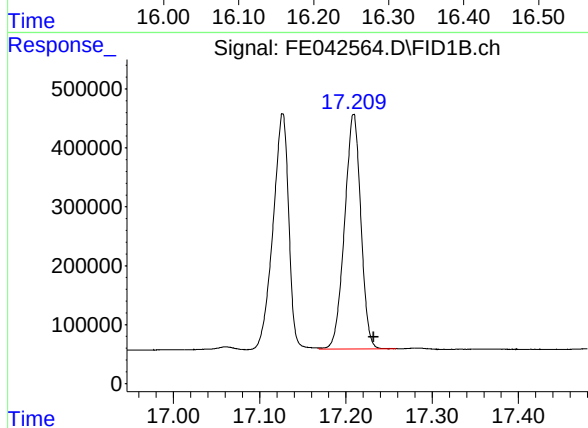
#14 n-Tetracosane (C24)

R.T.: 15.230 min  
Delta R.T.: -0.030 min  
Response: 10658262  
Conc: 73.83 ug/ml



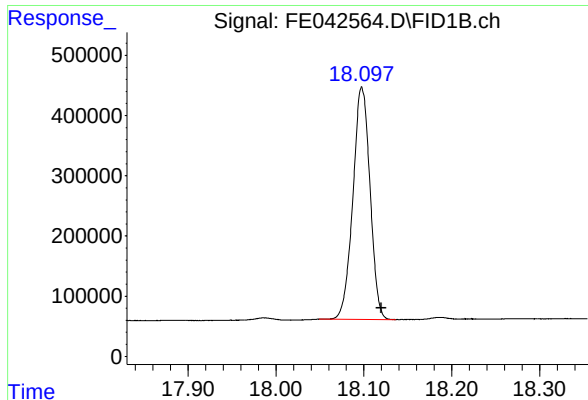
#15 n-Hexacosane (C26)

R.T.: 16.261 min  
Delta R.T.: -0.020 min  
Response: 5358133  
Conc: 38.69 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.209 min  
Delta R.T.: -0.023 min  
Response: 5229011  
Conc: 39.06 ug/ml



#17 n-Tricontane (C30)

R.T.: 18.098 min  
Delta R.T.: -0.022 min  
Response: 5222715  
Conc: 38.69 ug/ml

Instrument :

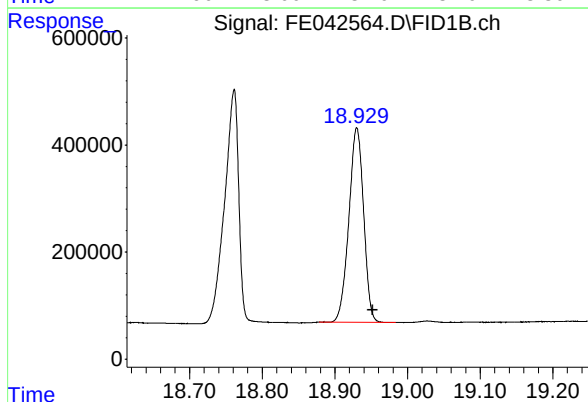
FID\_E

ClientSampleId :

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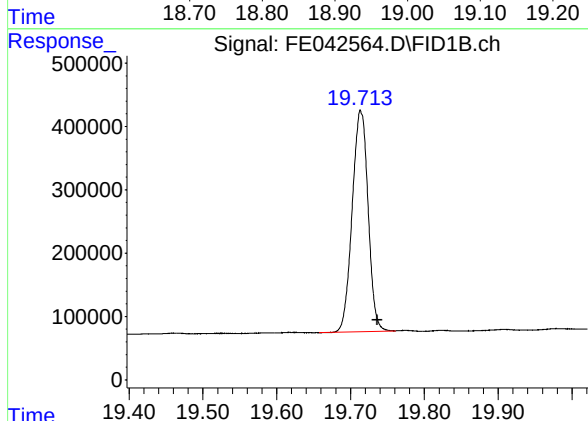
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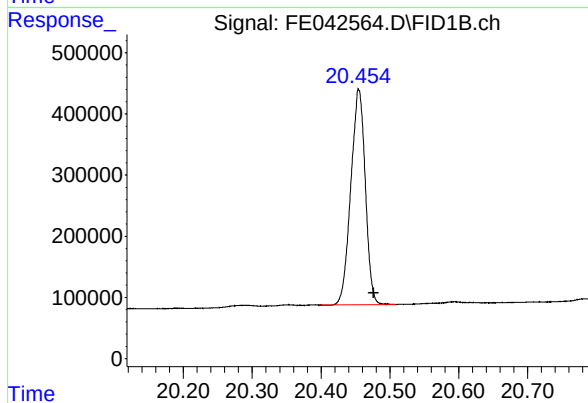
#18 n-Dotriacontane (C32)

R.T.: 18.930 min  
Delta R.T.: -0.022 min  
Response: 5126982  
Conc: 38.38 ug/ml



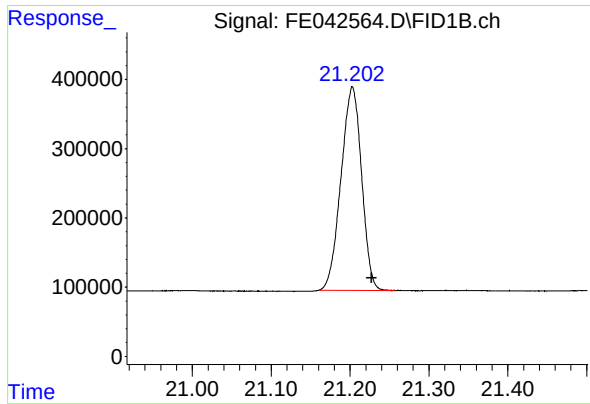
#19 n-Tetatriacontane (C34)

R.T.: 19.714 min  
Delta R.T.: -0.023 min  
Response: 5226497  
Conc: 39.74 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.455 min  
Delta R.T.: -0.022 min  
Response: 5145064  
Conc: 39.59 ug/ml



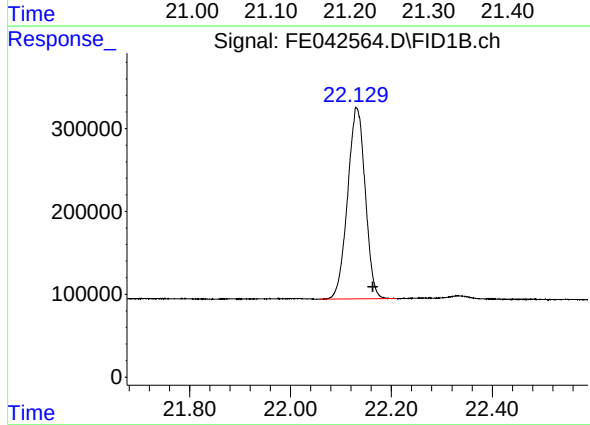
#21 n-Octatriacontane (C38)

R.T.: 21.203 min  
Delta R.T.: -0.024 min  
Response: 5342959  
Conc: 39.38 ug/ml

Instrument :  
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#22 n-Tetracontane (C40)

R.T.: 22.131 min  
Delta R.T.: -0.032 min  
Response: 5604723  
Conc: 40.29 ug/ml