

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE061825AL\  
 Data File : FE054491.D  
 Signal(s) : FID1B.ch  
 Acq On : 18 Jun 2025 19:30  
 Operator : YP\AJ  
 Sample : Q2347-01MSD  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

**Instrument :**

FID\_E

**ClientSampleId :**

TP-10MSD

**Manual Integrations****APPROVED**

Reviewed By :Yogesh Patel 06/19/2025

Supervised By :mohammad ahmed 06/20/2025

Integration File: autoint1.e

Quant Time: Jun 19 01:37:01 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 061025.M

Quant Title : GC Extractables

QLast Update : Tue Jun 10 07:24:04 2025

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)    | 11.824 | 6047855    | 36.601 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 73.20%        |
| 12) S 1-chlorooctadecane (S... | 13.268 | 4884692    | 40.055 ug/mlm |
| Spiked Amount 50.000           |        | Recovery = | 80.11%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.174  | 3723833    | 29.987 ug/ml  |
| 2) T n-Decane (C10)            | 4.436  | 4021548    | 32.366 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.149  | 5230099    | 38.701 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.617  | 4458267    | 35.013 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.251  | 4953321    | 37.397 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.453  | 4898684    | 37.838 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.064 | 5355865    | 40.319 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.511 | 5572864    | 41.270 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.824 | 5804126    | 43.387 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.437 | 5540267    | 41.666 ug/ml  |
| 13) T n-Docosane (C22)         | 14.023 | 5505238    | 41.986 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.124 | 11898176   | 92.238 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.153 | 5278042    | 42.046 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.103 | 5523871    | 45.045 ug/mlm |
| 17) T n-Tricontane (C30)       | 17.994 | 5192210    | 41.892 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.826 | 5230453    | 41.629 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.610 | 5315465    | 42.727 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.352 | 5516715    | 42.855 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 21.079 | 5740169    | 43.472 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.965 | 5680805    | 42.172 ug/mlm |
| -----                          |        |            |               |

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

(m)=manual int.

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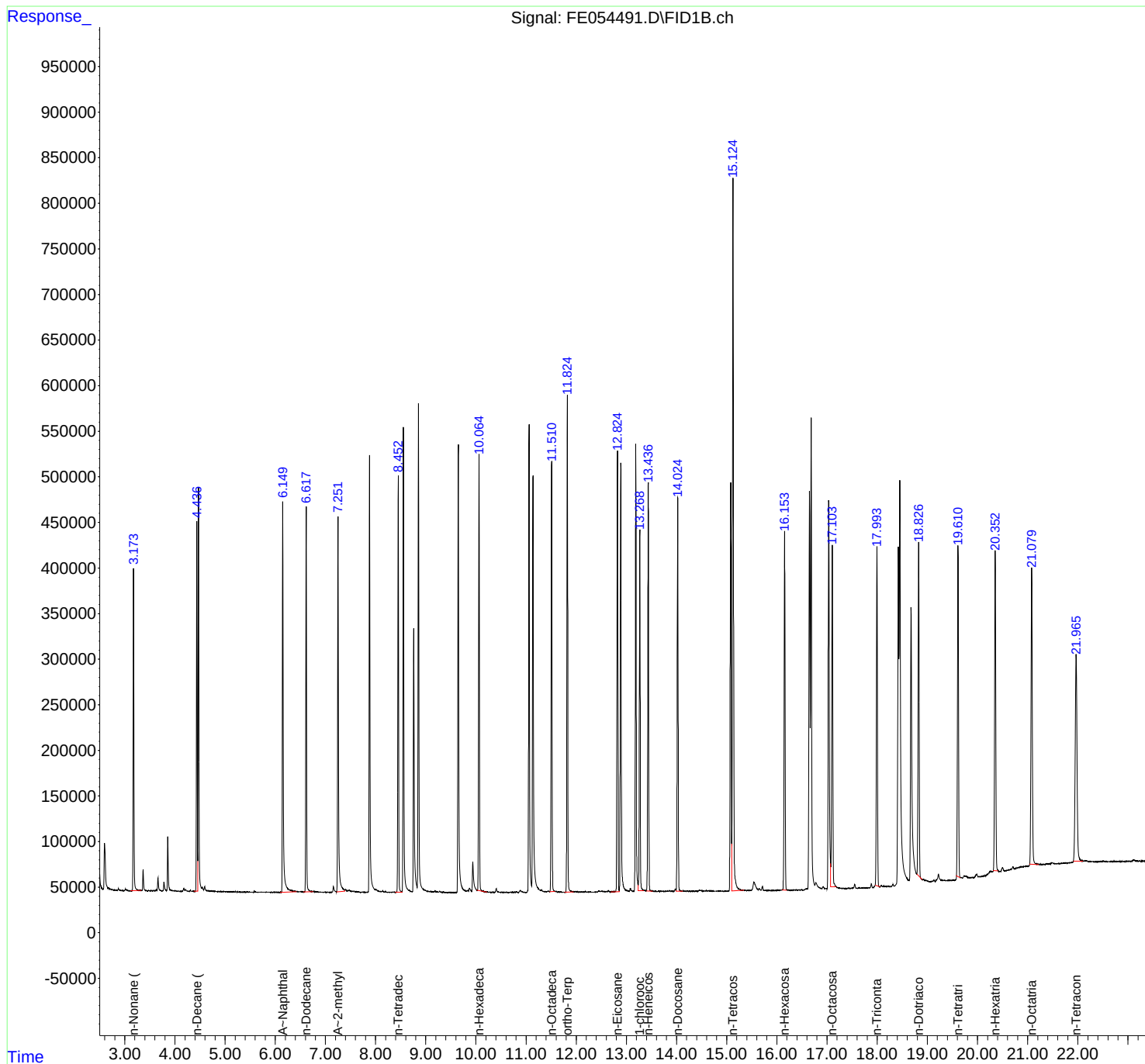
Response via : Initial Calibration

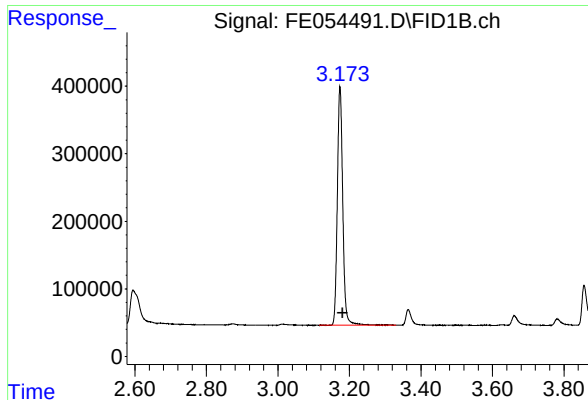
Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um





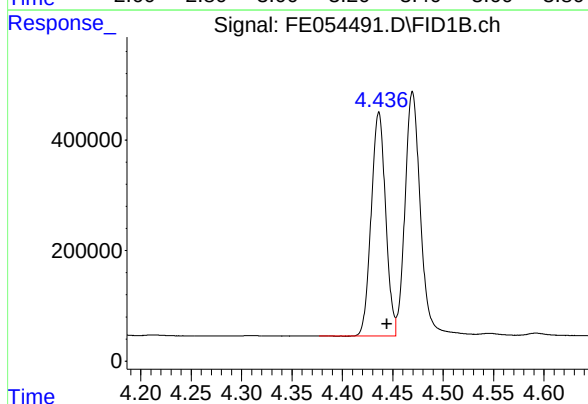
#1 n-Nonane (C9)

R.T.: 3.174 min  
Delta R.T.: -0.007 min  
Response: 3723833  
Conc: 29.99 ug/ml

Instrument :  
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ClientSampleId :  
TP-10MSD

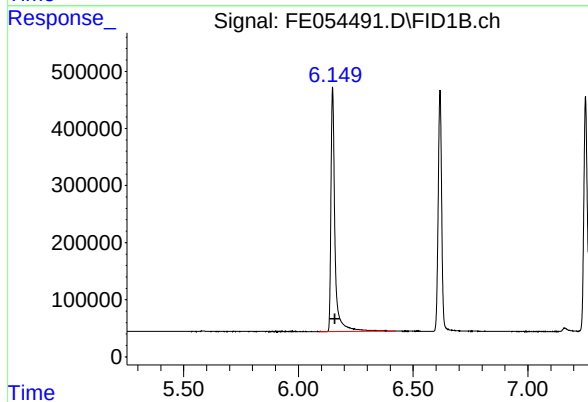
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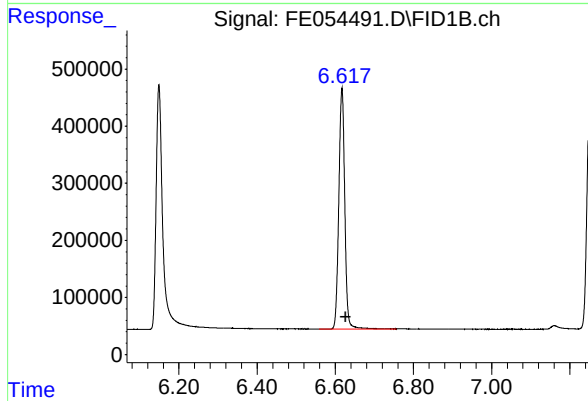
#2 n-Decane (C10)

R.T.: 4.436 min  
Delta R.T.: -0.008 min  
Response: 4021548  
Conc: 32.37 ug/ml



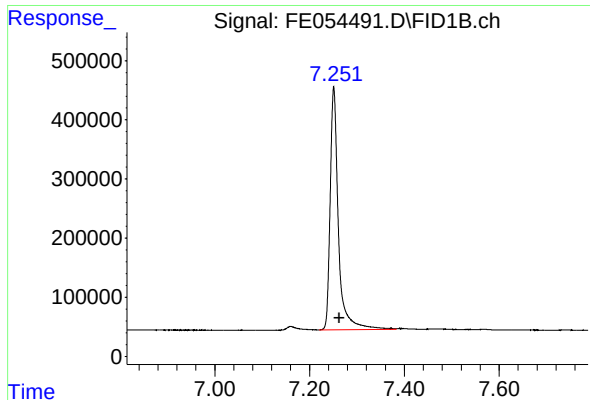
#3 A~Naphthalene (C11.7)

R.T.: 6.149 min  
Delta R.T.: -0.011 min  
Response: 5230099  
Conc: 38.70 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.617 min  
Delta R.T.: -0.010 min  
Response: 4458267  
Conc: 35.01 ug/ml



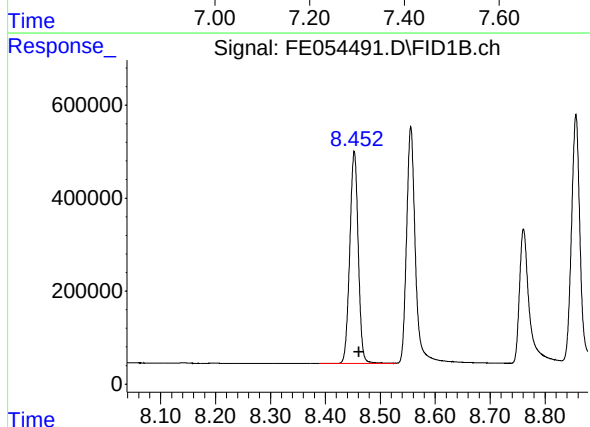
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.251 min  
Delta R.T.: -0.011 min  
Response: 4953321  
Conc: 37.40 ug/ml

Instrument :  
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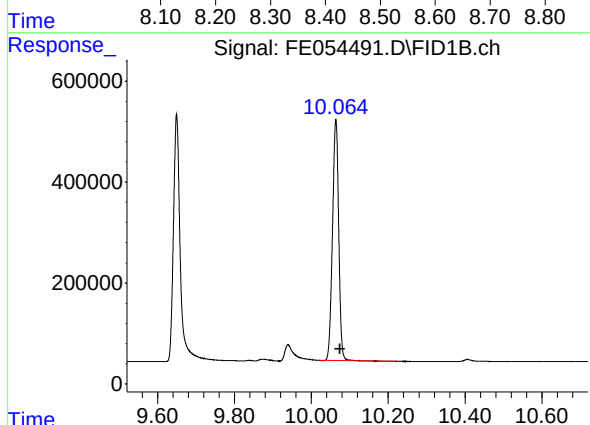
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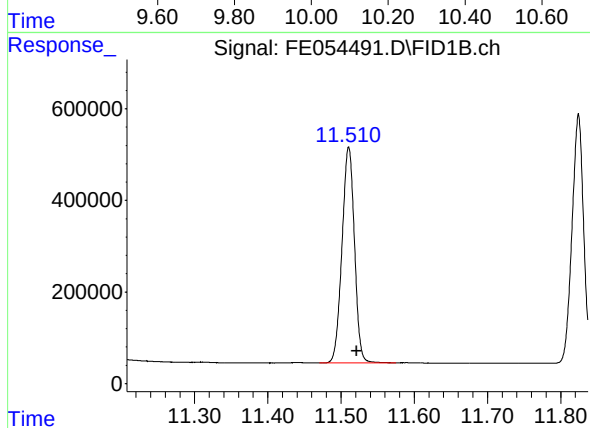
#6 n-Tetradecane (C14)

R.T.: 8.453 min  
Delta R.T.: -0.009 min  
Response: 4898684  
Conc: 37.84 ug/ml



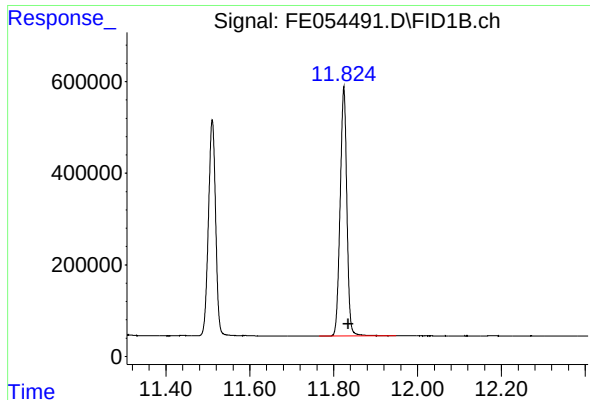
#7 n-Hexadecane (C16)

R.T.: 10.064 min  
Delta R.T.: -0.011 min  
Response: 5355865  
Conc: 40.32 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.511 min  
Delta R.T.: -0.011 min  
Response: 5572864  
Conc: 41.27 ug/ml



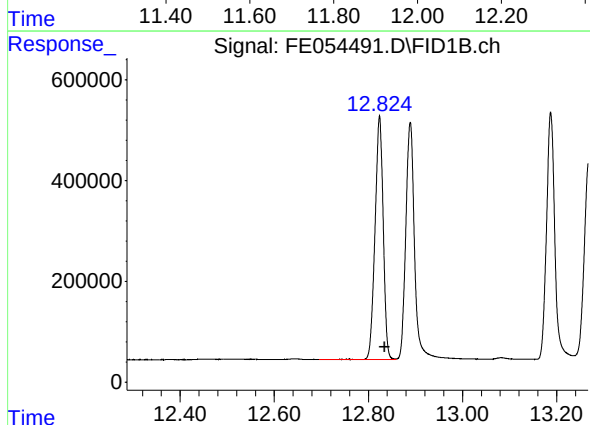
#9 ortho-Terphenyl (SURR)

R.T.: 11.824 min  
Delta R.T.: -0.011 min  
Response: 6047855  
Conc: 36.60 ug/ml

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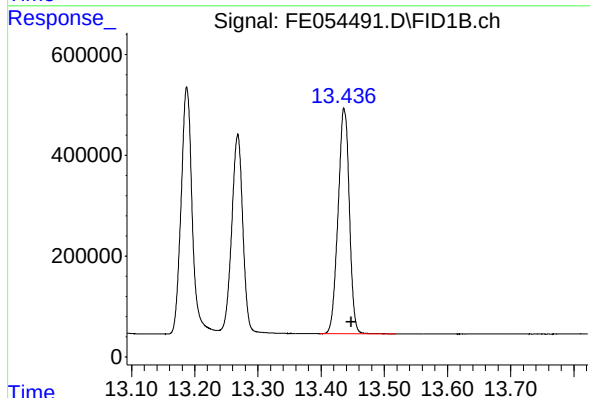
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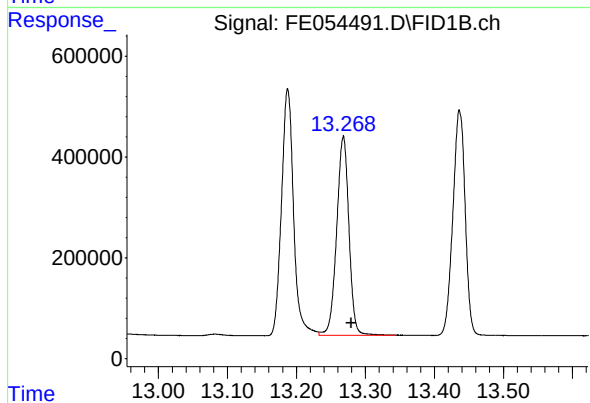
#10 n-Eicosane (C20)

R.T.: 12.824 min  
Delta R.T.: -0.011 min  
Response: 5804126  
Conc: 43.39 ug/ml



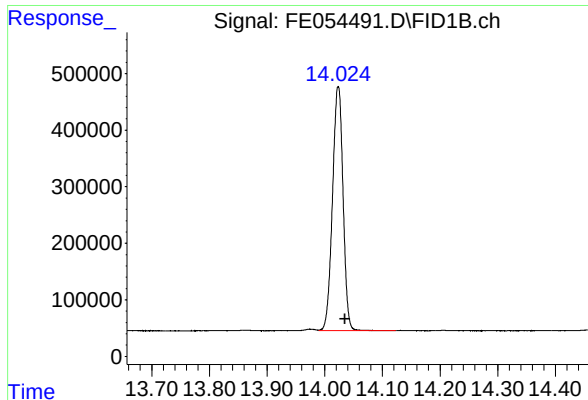
#11 n-Heneicosane (C21)

R.T.: 13.437 min  
Delta R.T.: -0.011 min  
Response: 5540267  
Conc: 41.67 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.268 min  
Delta R.T.: -0.011 min  
Response: 4884692  
Conc: 40.06 ug/ml m



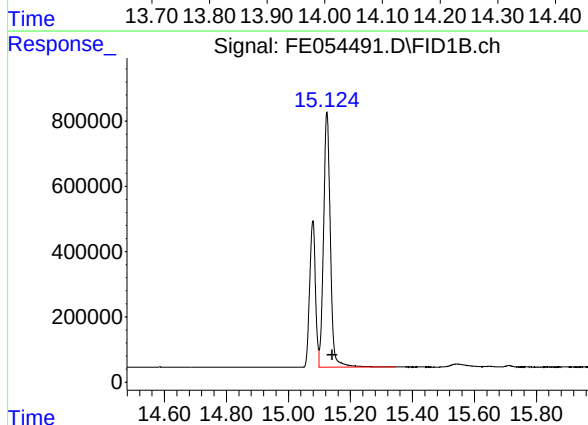
#13 n-Docosane (C22)

R.T.: 14.023 min  
Delta R.T.: -0.012 min  
Response: 5505238  
Conc: 41.99 ug/ml

Instrument :  
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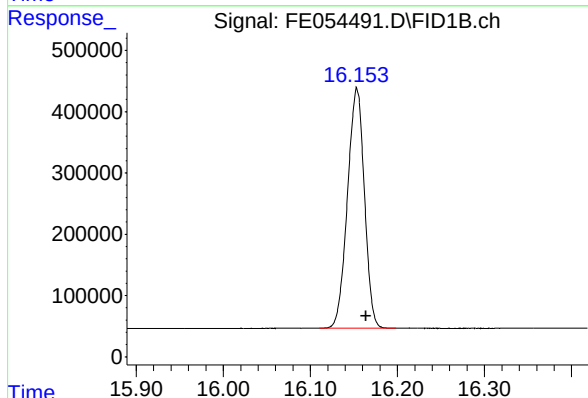
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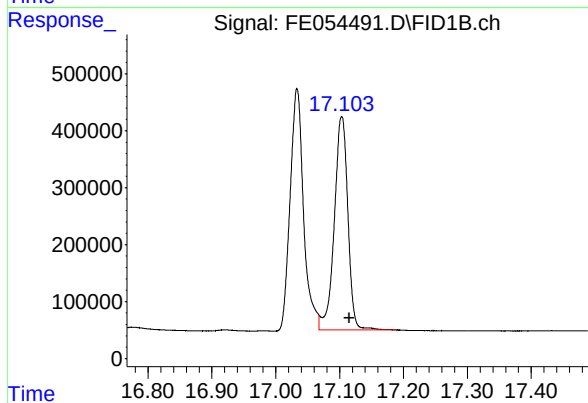
#14 n-Tetracosane (C24)

R.T.: 15.124 min  
Delta R.T.: -0.017 min  
Response: 11898176  
Conc: 92.24 ug/ml



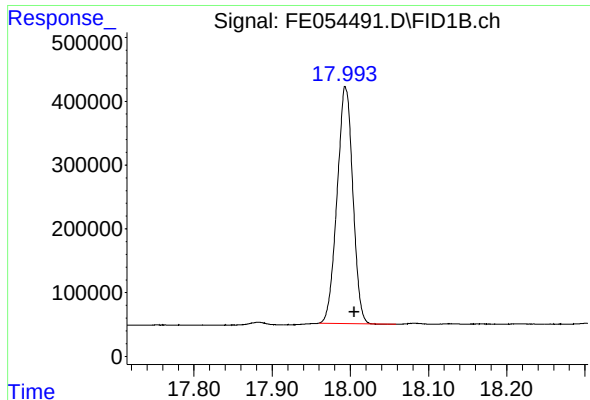
#15 n-Hexacosane (C26)

R.T.: 16.153 min  
Delta R.T.: -0.011 min  
Response: 5278042  
Conc: 42.05 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.103 min  
Delta R.T.: -0.012 min  
Response: 5523871  
Conc: 45.04 ug/ml m



#17 n-Tricontane (C30)

R.T.: 17.994 min  
Delta R.T.: -0.011 min  
Response: 5192210  
Conc: 41.89 ug/ml

Instrument :

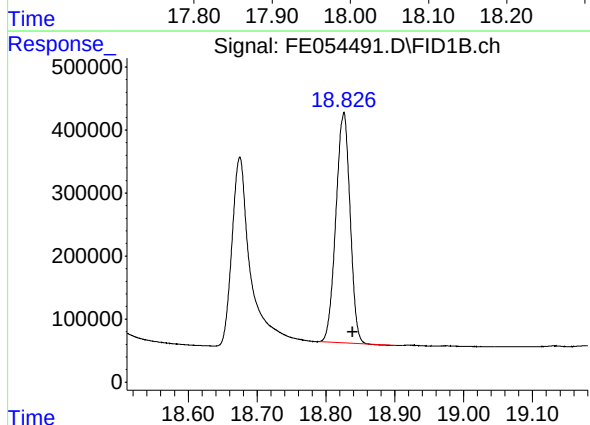
FID\_E

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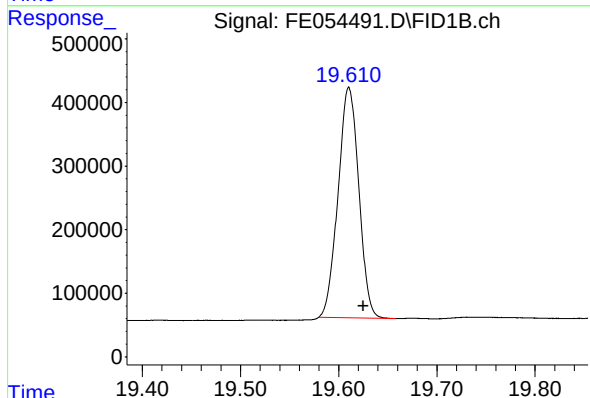
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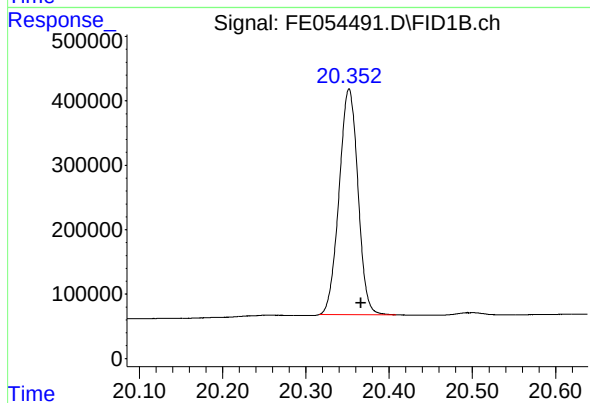
#18 n-Dotriacontane (C32)

R.T.: 18.826 min  
Delta R.T.: -0.013 min  
Response: 5230453  
Conc: 41.63 ug/ml



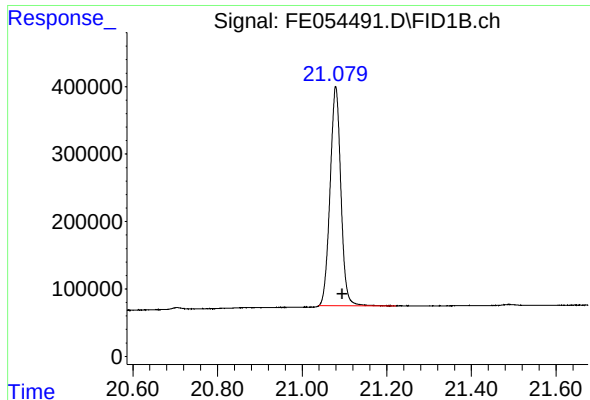
#19 n-Tetatriacontane (C34)

R.T.: 19.610 min  
Delta R.T.: -0.015 min  
Response: 5315465  
Conc: 42.73 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.352 min  
Delta R.T.: -0.014 min  
Response: 5516715  
Conc: 42.85 ug/ml m



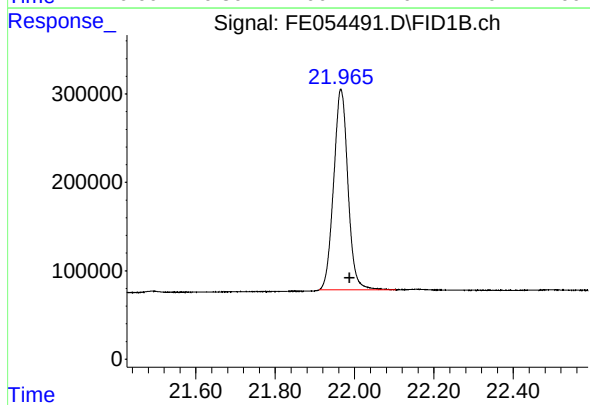
#21 n-Octatriacontane (C38)

R.T.: 21.079 min  
Delta R.T.: -0.016 min  
Response: 5740169  
Conc: 43.47 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.965 min  
Delta R.T.: -0.023 min  
Response: 5680805  
Conc: 42.17 ug/ml m