

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE102425AL\  
 Data File : FE056495.D  
 Signal(s) : FID1B.ch  
 Acq On : 24 Oct 2025 16:59  
 Operator : YP\AJ  
 Sample : Q3439-01MSD  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 FID\_E  
 ClientSampleId :  
 TP-9MSD

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/27/2025  
 Supervised By :mohammad ahmed 10/28/2025

Integration File: autoint1.e  
 Quant Time: Oct 25 00:33:06 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 24 08:17:58 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)    | 12.001 | 7430367    | 36.371 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 72.74%        |
| 12) S 1-chlorooctadecane (S... | 13.438 | 5918426    | 38.789 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 77.58%        |
|                                |        |            |               |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.353  | 3205975    | 19.669 ug/ml  |
| 2) T n-Decane (C10)            | 4.606  | 3597043    | 21.873 ug/mlm |
| 3) T A~Naphthalene (C11.7)     | 6.319  | 4514981    | 25.540 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.778  | 3960560    | 23.605 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.419  | 4289056    | 25.741 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.615  | 4378313    | 26.354 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.228 | 4696558    | 26.844 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.677 | 4850782    | 26.592 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.990 | 4886202    | 27.443 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.604 | 4784689    | 27.271 ug/ml  |
| 13) T n-Docosane (C22)         | 14.192 | 4748475    | 26.826 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.294 | 9766360    | 53.680 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.323 | 4486592    | 24.994 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.274 | 4439492    | 24.955 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.165 | 4217976    | 23.232 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.997 | 4101598    | 23.265 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.783 | 3934016    | 25.414 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.523 | 3707801    | 29.678 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 21.284 | 3615440    | 34.604 ug/mlm |
| 22) T n-Tetracontane (C40)     | 22.242 | 3667483    | 40.416 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP\AJ  
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Misc :  
ALS Vial : 24 Sample Multiplier: 1

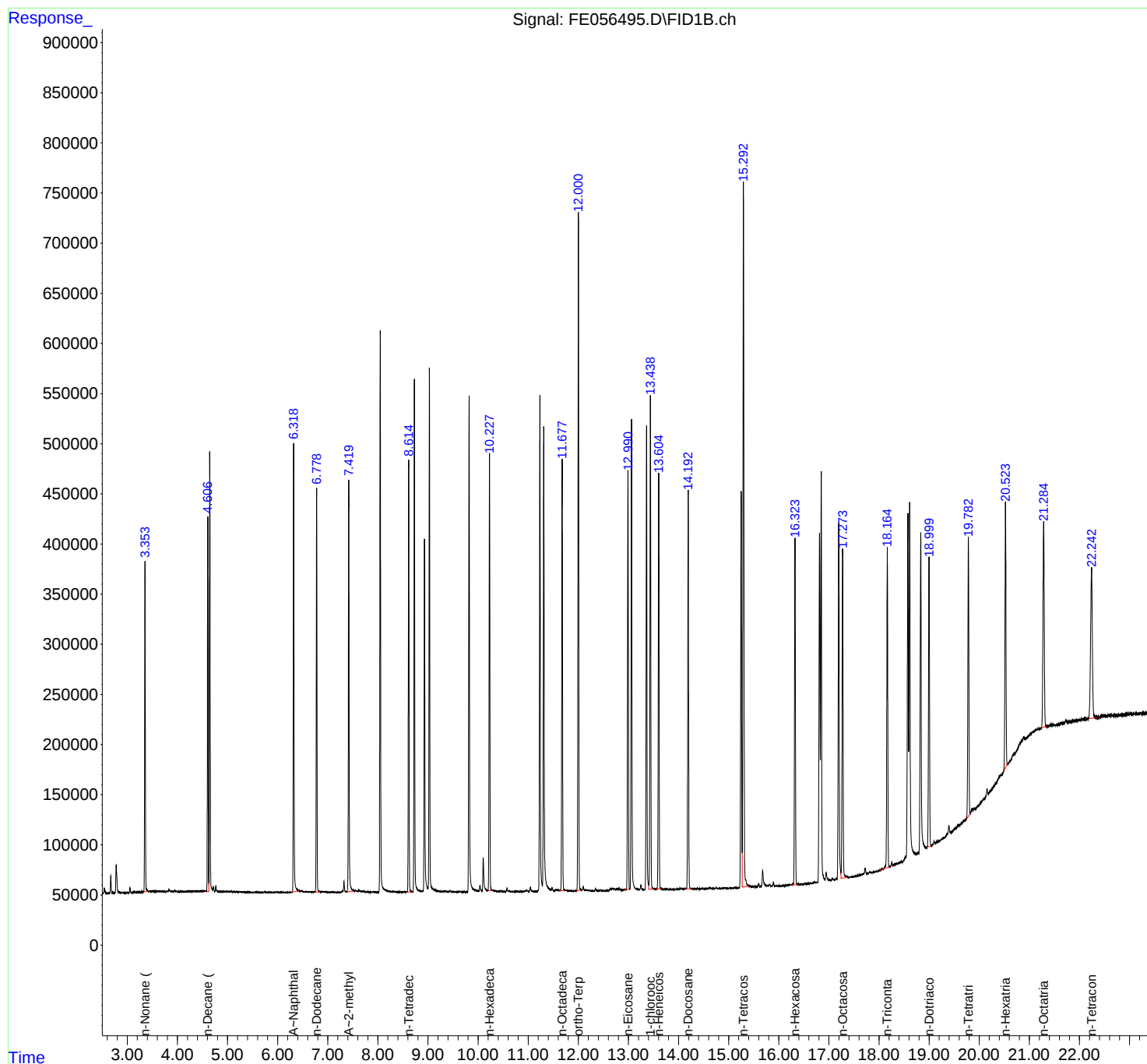
Instrument :  
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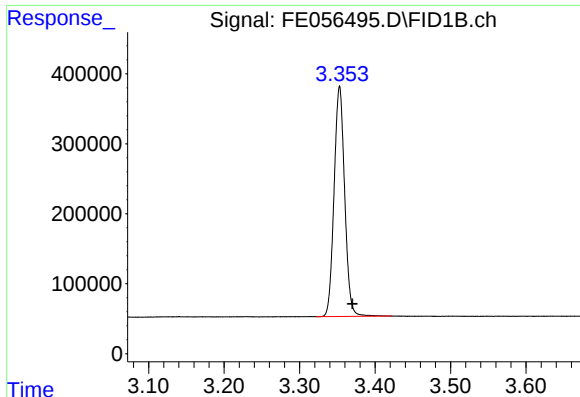
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Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 3.353 min  
Delta R.T.: -0.017 min  
Response: 3205975  
Conc: 19.67 ug/ml

Instrument :

FID\_E

ClientSampleId :

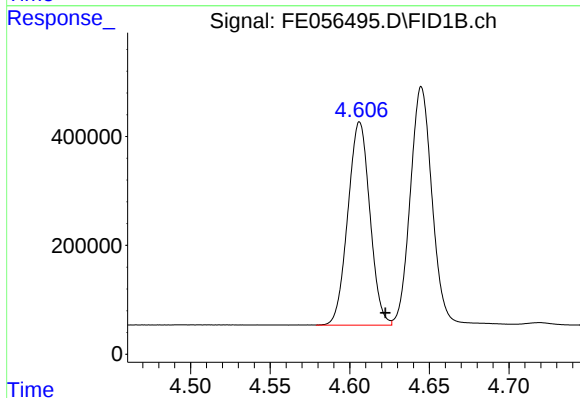
TP-9MSD

Manual Integrations

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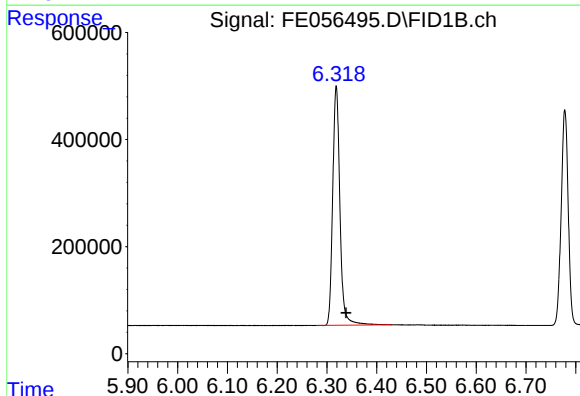
Reviewed By :Yogesh Patel 10/27/2025

Supervised By :mohammad ahmed 10/28/2025



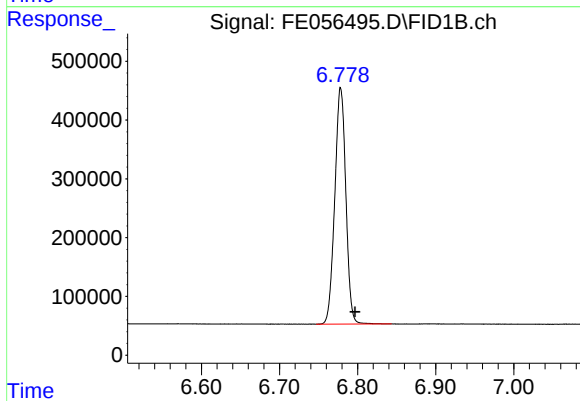
#2 n-Decane (C10)

R.T.: 4.606 min  
Delta R.T.: -0.017 min  
Response: 3597043  
Conc: 21.87 ug/ml m



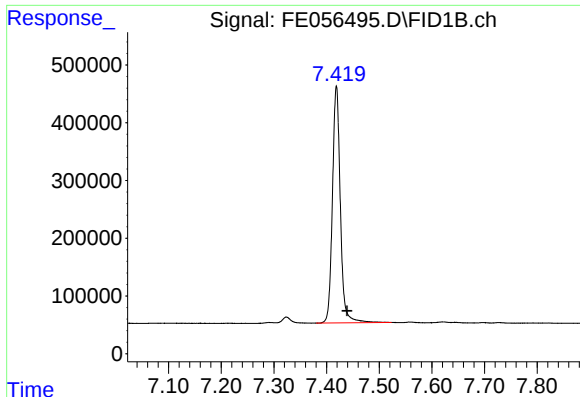
#3 A~Naphthalene (C11.7)

R.T.: 6.319 min  
Delta R.T.: -0.020 min  
Response: 4514981  
Conc: 25.54 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.778 min  
Delta R.T.: -0.018 min  
Response: 3960560  
Conc: 23.61 ug/ml



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

R.T.: 7.419 min  
Delta R.T.: -0.020 min  
Response: 4289056  
Conc: 25.74 ug/ml

Instrument :

FID\_E

ClientSampleId :

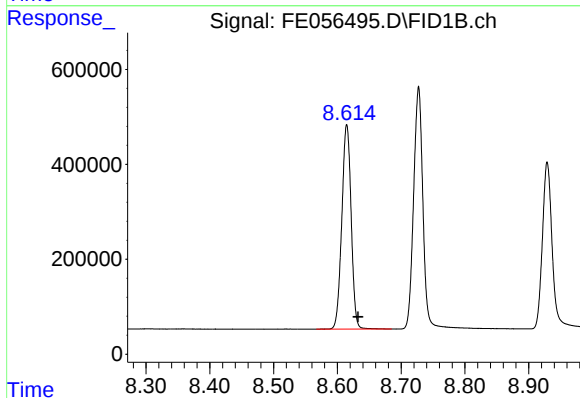
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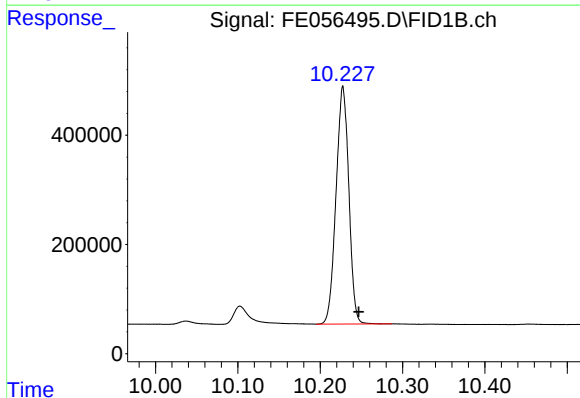
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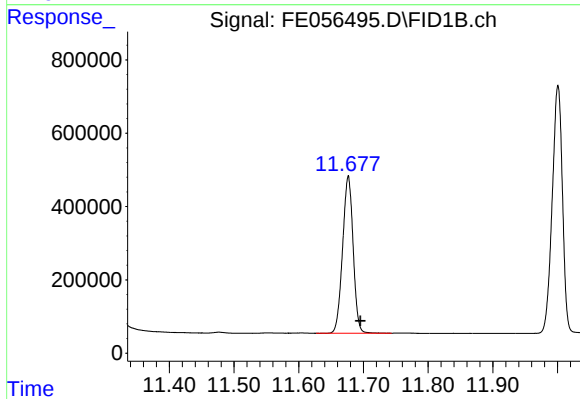
#6 n-Tetradecane (C14)

R.T.: 8.615 min  
Delta R.T.: -0.018 min  
Response: 4378313  
Conc: 26.35 ug/ml



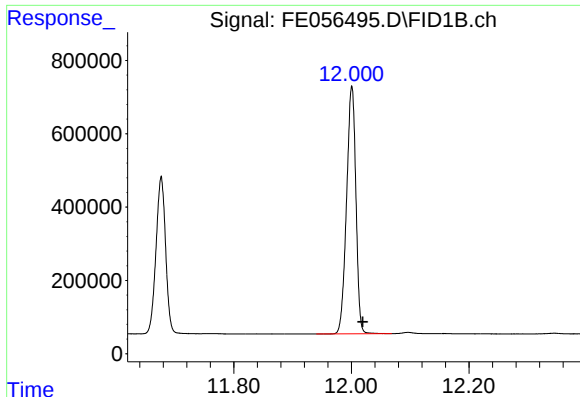
#7 n-Hexadecane (C16)

R.T.: 10.228 min  
Delta R.T.: -0.019 min  
Response: 4696558  
Conc: 26.84 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.677 min  
Delta R.T.: -0.019 min  
Response: 4850782  
Conc: 26.59 ug/ml



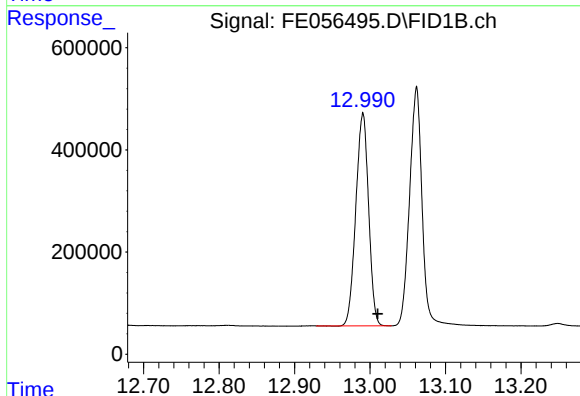
#9 ortho-Terphenyl (SURR)

R.T.: 12.001 min  
Delta R.T.: -0.019 min  
Response: 7430367  
Conc: 36.37 ug/ml

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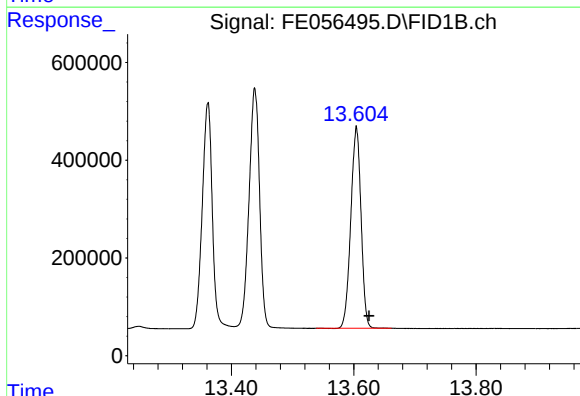
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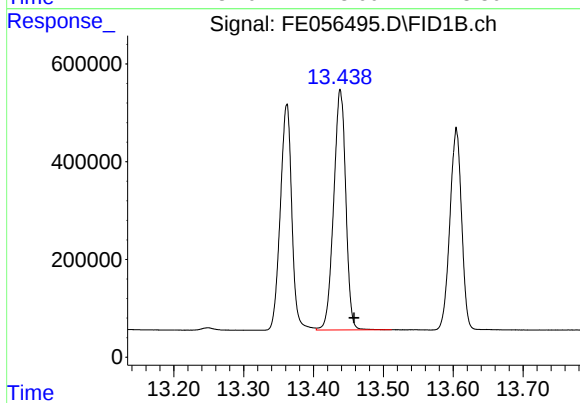
#10 n-Eicosane (C20)

R.T.: 12.990 min  
Delta R.T.: -0.020 min  
Response: 4886202  
Conc: 27.44 ug/ml



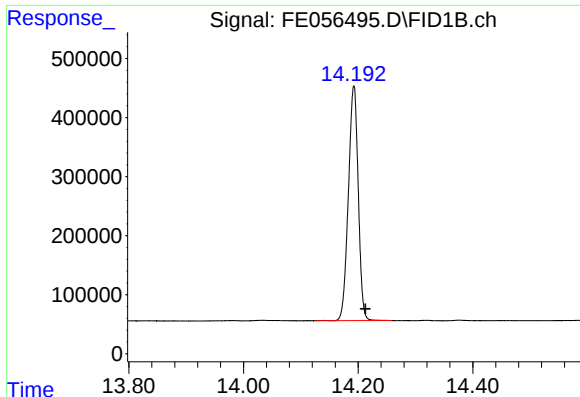
#11 n-Heneicosane (C21)

R.T.: 13.604 min  
Delta R.T.: -0.020 min  
Response: 4784689  
Conc: 27.27 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.438 min  
Delta R.T.: -0.020 min  
Response: 5918426  
Conc: 38.79 ug/ml



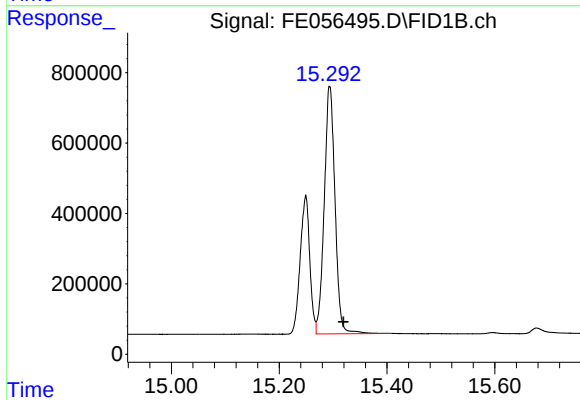
#13 n-Docosane (C22)

R.T.: 14.192 min  
Delta R.T.: -0.020 min  
Response: 4748475  
Conc: 26.83 ug/ml

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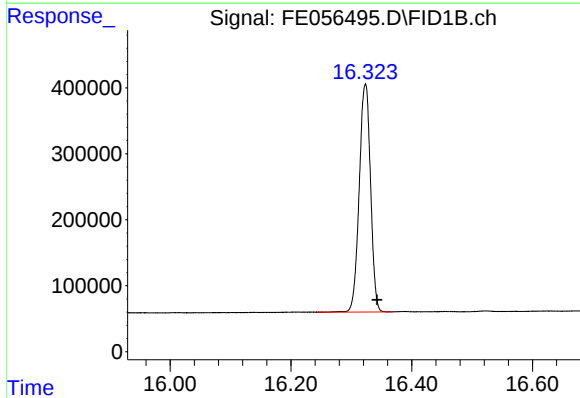
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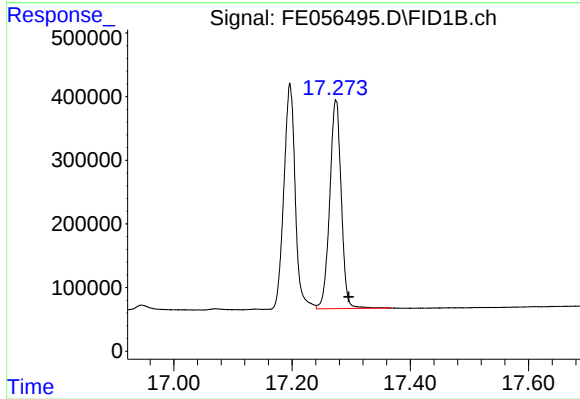
#14 n-Tetracosane (C24)

R.T.: 15.294 min  
Delta R.T.: -0.025 min  
Response: 9766360  
Conc: 53.68 ug/ml



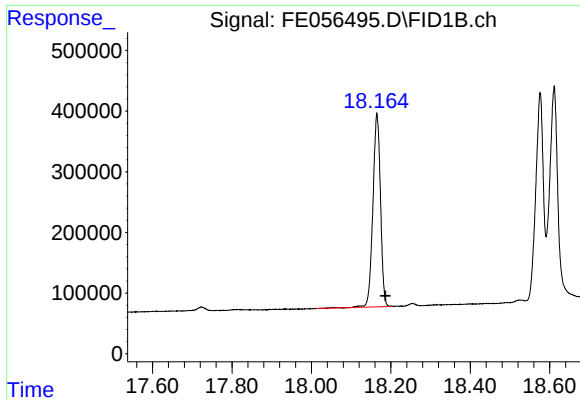
#15 n-Hexacosane (C26)

R.T.: 16.323 min  
Delta R.T.: -0.020 min  
Response: 4486592  
Conc: 24.99 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.274 min  
Delta R.T.: -0.022 min  
Response: 4439492  
Conc: 24.96 ug/ml



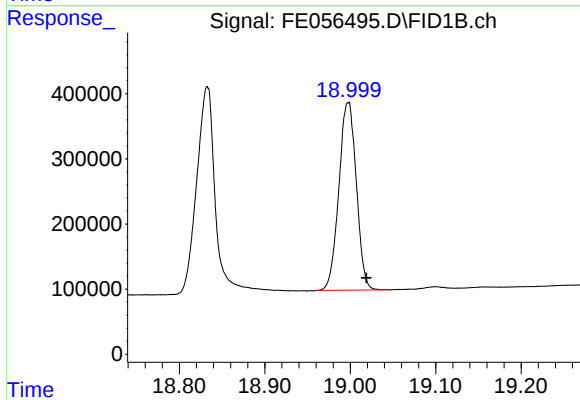
#17 n-Tricontane (C30)

R.T.: 18.165 min  
Delta R.T.: -0.021 min  
Response: 4217976  
Conc: 23.23 ug/ml

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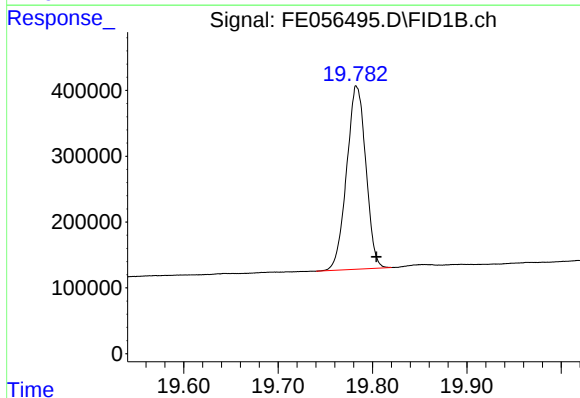
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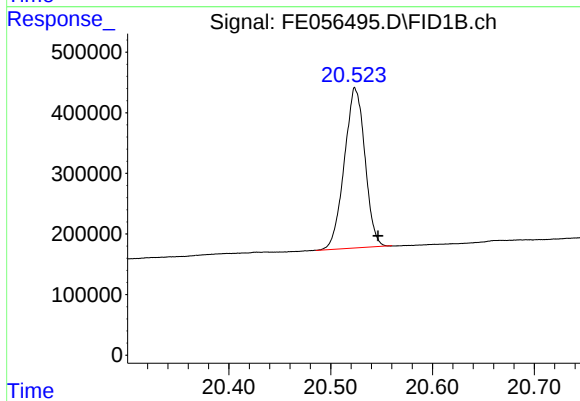
#18 n-Dotriacontane (C32)

R.T.: 18.997 min  
Delta R.T.: -0.022 min  
Response: 4101598  
Conc: 23.26 ug/ml



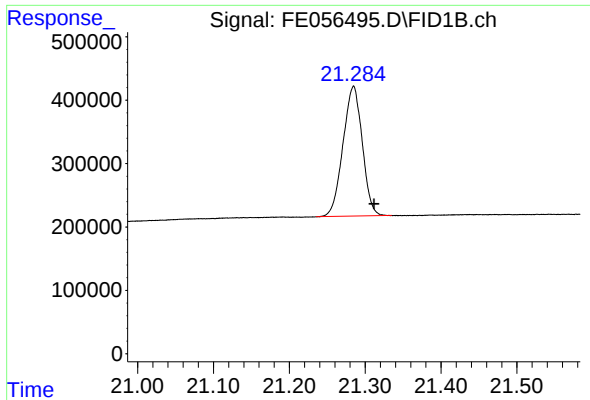
#19 n-Tetratriacontane (C34)

R.T.: 19.783 min  
Delta R.T.: -0.021 min  
Response: 3934016  
Conc: 25.41 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.523 min  
Delta R.T.: -0.024 min  
Response: 3707801  
Conc: 29.68 ug/ml m



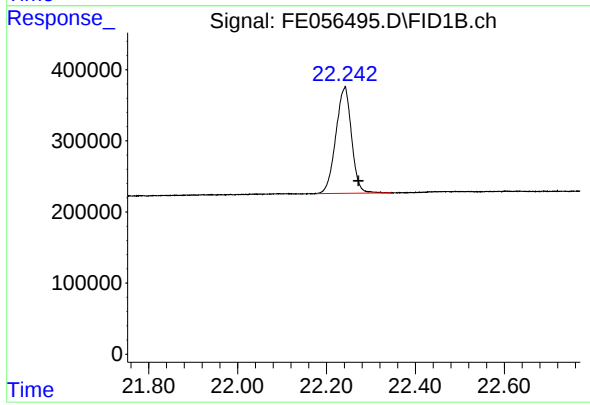
#21 n-Octatriacontane (C38)

R.T.: 21.284 min  
Delta R.T.: -0.027 min  
Response: 3615440  
Conc: 34.60 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.242 min  
Delta R.T.: -0.030 min  
Response: 3667483  
Conc: 40.42 ug/ml m