

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC082525AL\  
 Data File : FC069733.D  
 Signal(s) : FID1A.ch  
 Acq On : 25 Aug 2025 22:15  
 Operator : YP/AJ  
 Sample : Q2932-03MSD  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 FID\_C  
 ClientSampleId :  
 ARS20-0002-SOILMSD

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 08/26/2025  
 Supervised By :mohammad ahmed 08/27/2025

Integration File: sample.E  
 Quant Time: Aug 26 02:14:59 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 080125.M  
 Quant Title : GC Extractables  
 Qlast Update : Fri Aug 01 14:14:17 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    |        |          |               |
| Target Compounds               |        |          |               |
| 1) T n-Nonane (C9)             | 3.399  | 3435300  | 24.112 ug/ml  |
| 2) T n-Decane (C10)            | 4.472  | 4479421  | 30.812 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.066  | 6025035  | 38.830 ug/mlm |
| 4) T n-Dodecane (C12)          | 6.496  | 5790307  | 39.610 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.127  | 5857384  | 39.772 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.306  | 6907002  | 48.399 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.896  | 1018785  | 7.067 ug/mlm  |
| 8) T n-Octadecane (C18)        | 11.344 | 40777    | 0.288 ug/mlm  |
| 10) T n-Eicosane (C20)         | 12.659 | 317178   | 2.408 ug/mlm  |
| 11) T n-Heneicosane (C21)      | 13.271 | 228385   | 1.791 ug/mlm  |
| 13) T n-Docosane (C22)         | 13.862 | 289044   | 2.314 ug/mlm  |
| 14) T n-Tetracosane (C24)      | 14.952 | 5559318  | 46.070 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.997 | 5006052  | 43.324 ug/mlm |
| 16) T n-Octacosane (C28)       | 16.941 | 4986313  | 44.485 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.830 | 4785847  | 41.799 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.661 | 4971020  | 44.751 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.447 | 4964083  | 48.752 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.187 | 4475026  | 50.188 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.954 | 4588285  | 57.038 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.917 | 4403006  | 58.799 ug/ml  |
| -----                          |        |          |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Misc :  
ALS Vial : 22 Sample Multiplier: 1

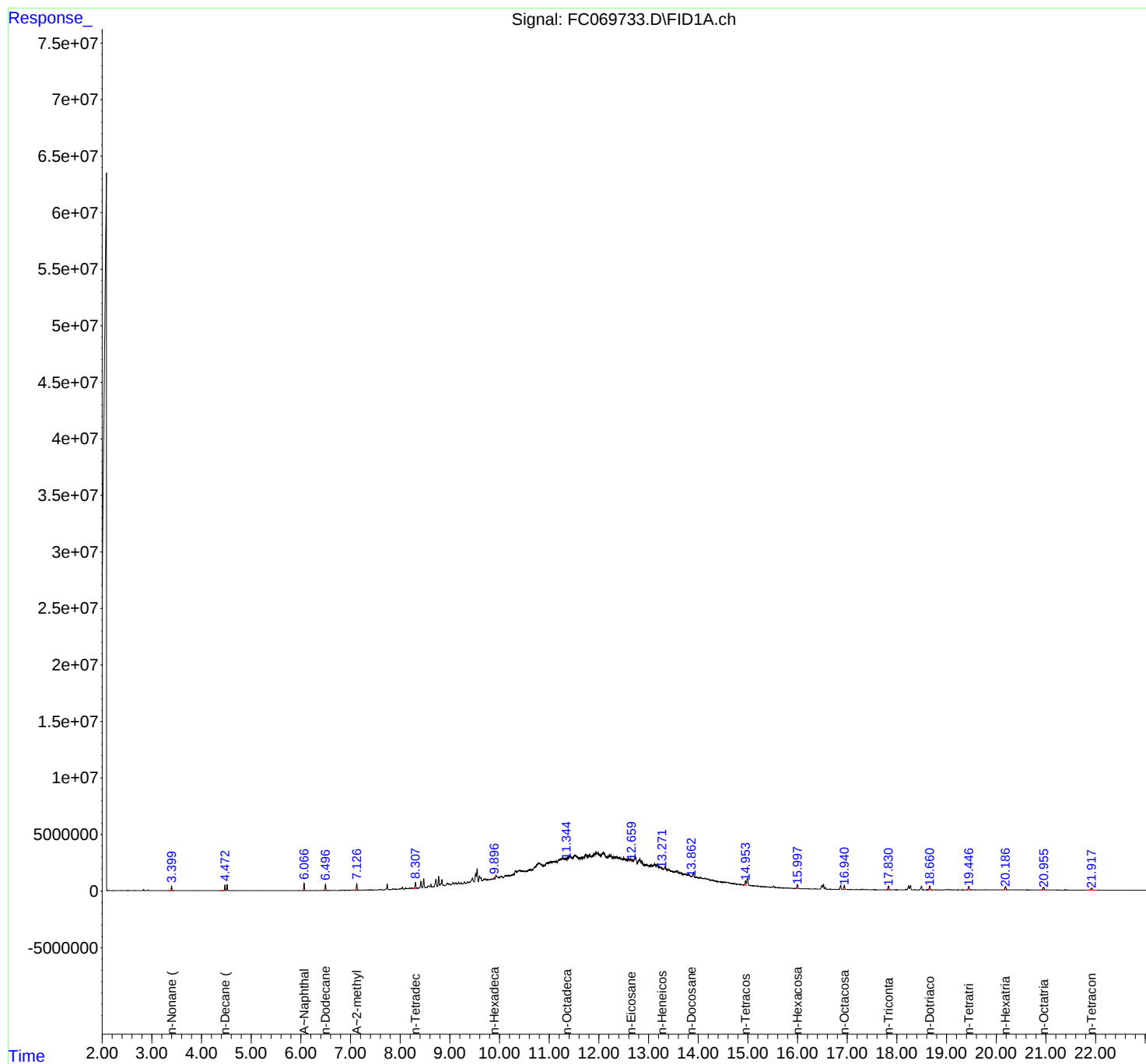
Instrument :  
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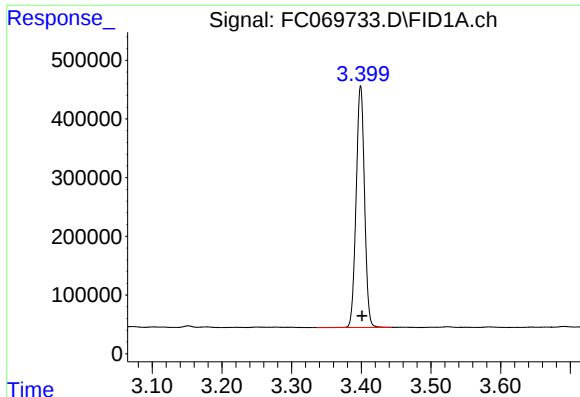
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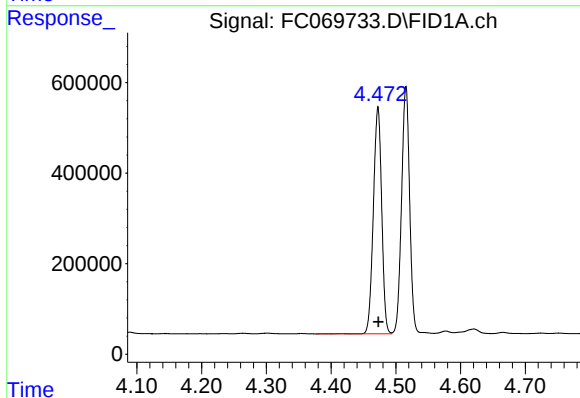
#1 n-Nonane (C9)

R.T.: 3.399 min  
Delta R.T.: -0.002 min  
Response: 3435300  
Conc: 24.11 ug/ml

Instrument :  
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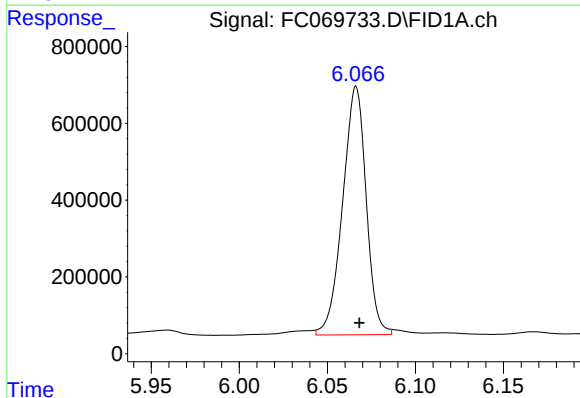
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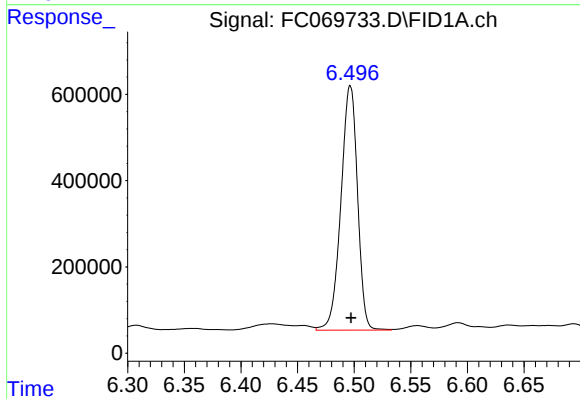
#2 n-Decane (C10)

R.T.: 4.472 min  
Delta R.T.: 0.000 min  
Response: 4479421  
Conc: 30.81 ug/ml



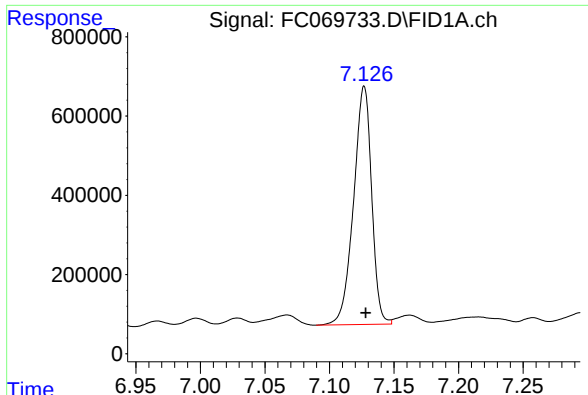
#3 A~Naphthalene (C11.7)

R.T.: 6.066 min  
Delta R.T.: -0.002 min  
Response: 6025035  
Conc: 38.83 ug/ml m



#4 n-Dodecane (C12)

R.T.: 6.496 min  
Delta R.T.: 0.000 min  
Response: 5790307  
Conc: 39.61 ug/ml



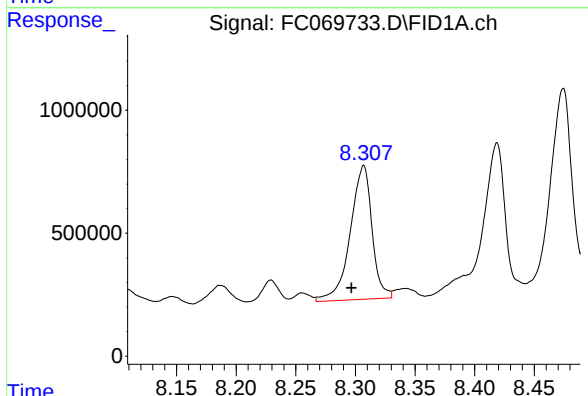
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.127 min  
Delta R.T.: -0.001 min  
Response: 5857384  
Conc: 39.77 ug/ml

Instrument :  
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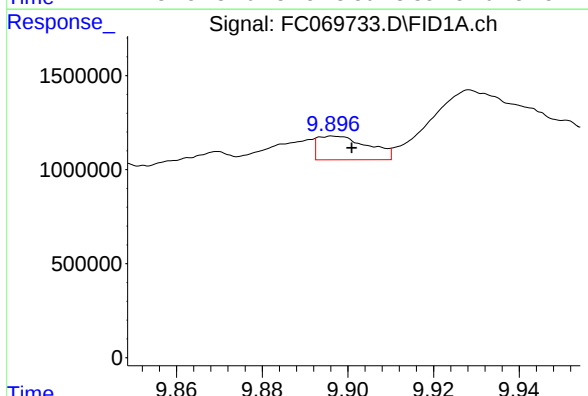
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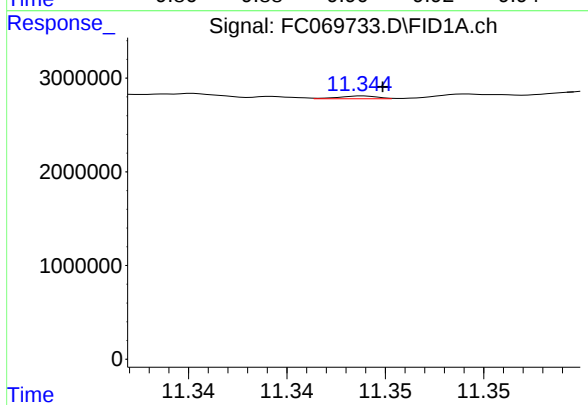
#6 n-Tetradecane (C14)

R.T.: 8.306 min  
Delta R.T.: 0.010 min  
Response: 6907002  
Conc: 48.40 ug/ml



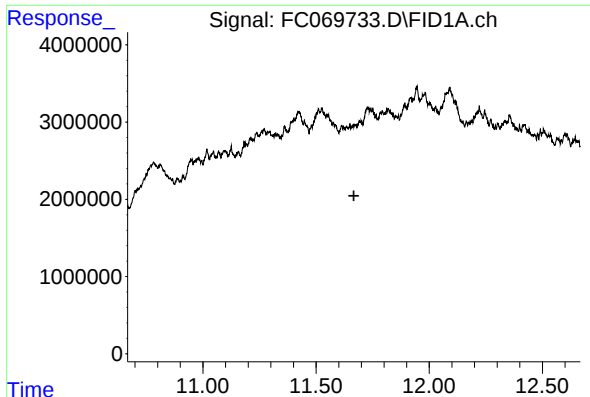
#7 n-Hexadecane (C16)

R.T.: 9.896 min  
Delta R.T.: -0.005 min  
Response: 1018785  
Conc: 7.07 ug/ml m



#8 n-Octadecane (C18)

R.T.: 11.344 min  
Delta R.T.: -0.001 min  
Response: 40777  
Conc: 0.29 ug/ml m



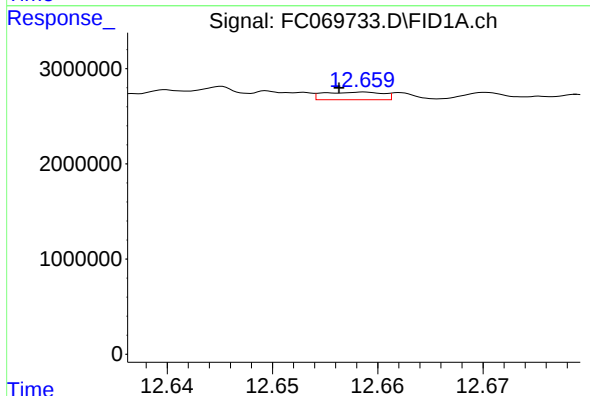
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min  
Exp R.T.: 11.667 min  
Response: 0  
Conc: N.D.

Instrument :  
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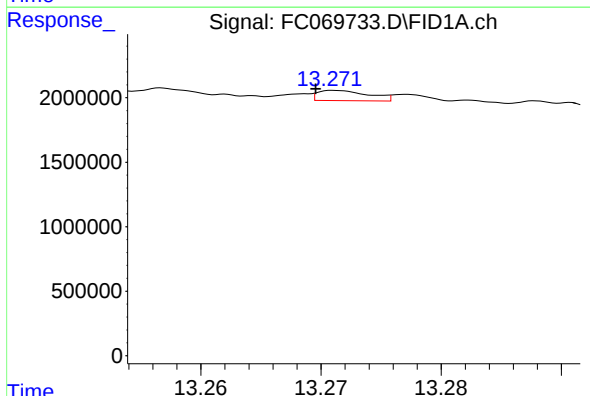
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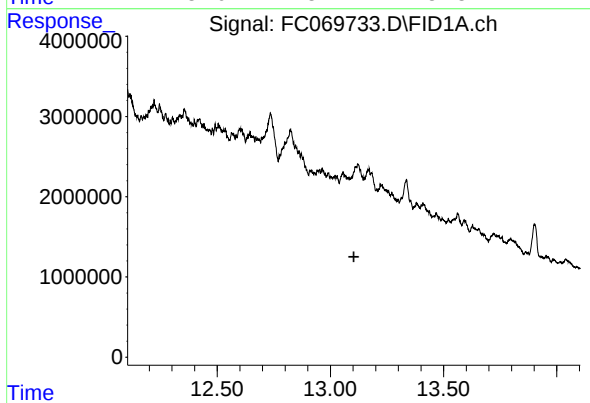
#10 n-Eicosane (C20)

R.T.: 12.659 min  
Delta R.T.: 0.002 min  
Response: 317178  
Conc: 2.41 ug/ml m



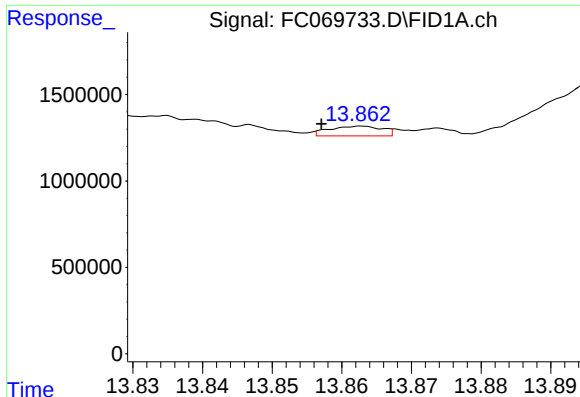
#11 n-Heneicosane (C21)

R.T.: 13.271 min  
Delta R.T.: 0.001 min  
Response: 228385  
Conc: 1.79 ug/ml m



#12 1-chlorooctadecane (SURR)

R.T.: 0.000 min  
Exp R.T.: 13.104 min  
Response: 0  
Conc: N.D.



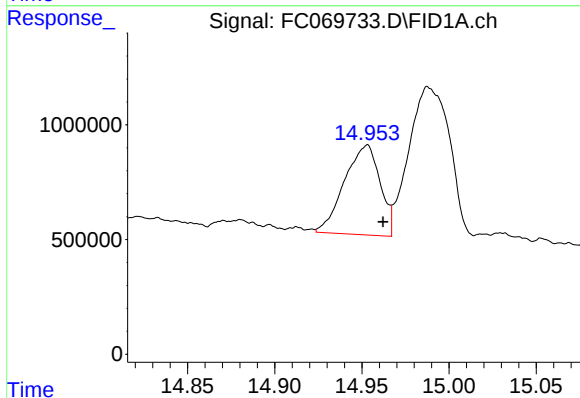
#13 n-Docosane (C22)

R.T.: 13.862 min  
Delta R.T.: 0.005 min  
Response: 289044  
Conc: 2.31 ug/ml

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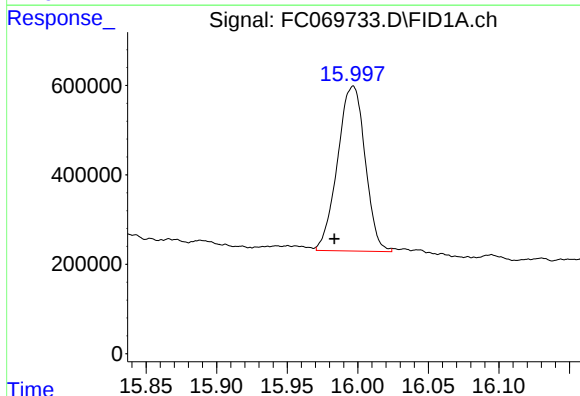
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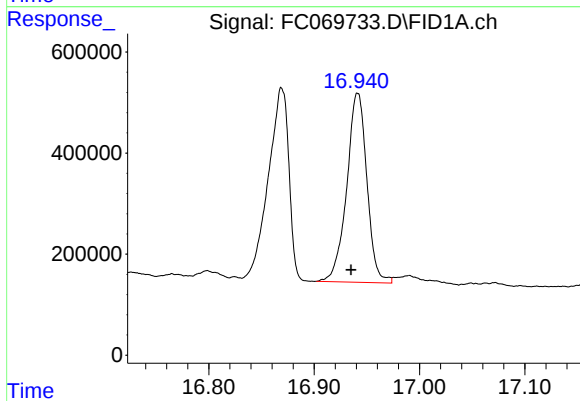
#14 n-Tetracosane (C24)

R.T.: 14.952 min  
Delta R.T.: -0.010 min  
Response: 5559318  
Conc: 46.07 ug/ml



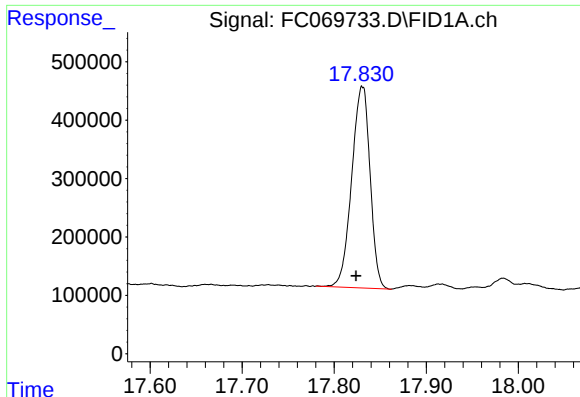
#15 n-Hexacosane (C26)

R.T.: 15.997 min  
Delta R.T.: 0.013 min  
Response: 5006052  
Conc: 43.32 ug/ml m



#16 n-Octacosane (C28)

R.T.: 16.941 min  
Delta R.T.: 0.006 min  
Response: 4986313  
Conc: 44.49 ug/ml



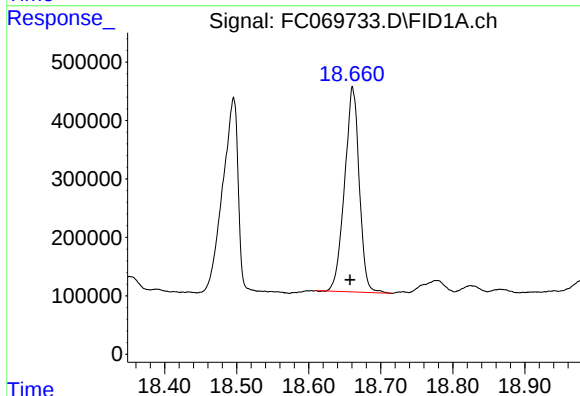
#17 n-Tricontane (C30)

R.T.: 17.830 min  
Delta R.T.: 0.007 min  
Response: 4785847  
Conc: 41.80 ug/ml

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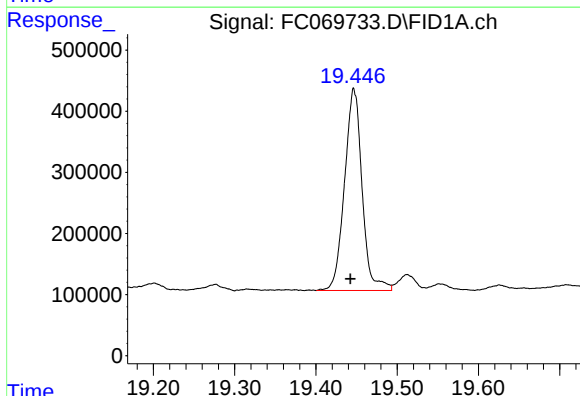
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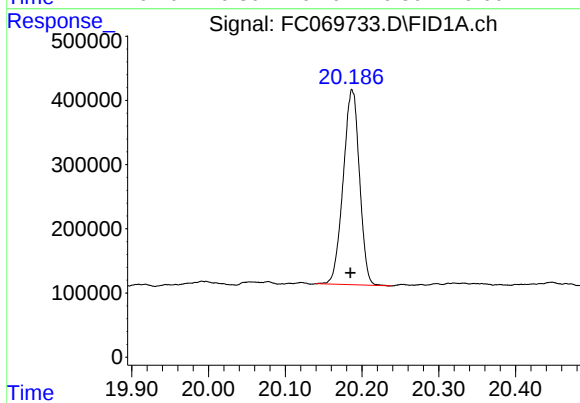
#18 n-Dotriacontane (C32)

R.T.: 18.661 min  
Delta R.T.: 0.004 min  
Response: 4971020  
Conc: 44.75 ug/ml



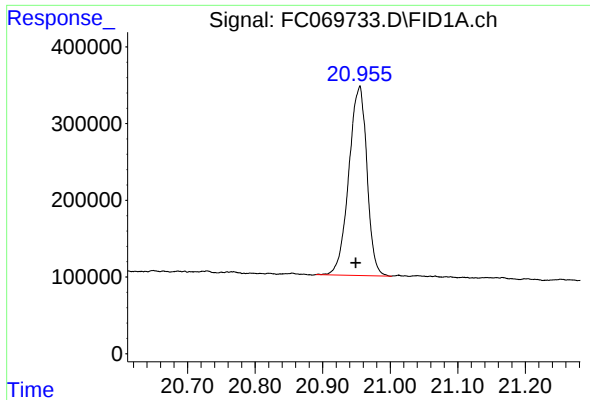
#19 n-Tetratriacontane (C34)

R.T.: 19.447 min  
Delta R.T.: 0.004 min  
Response: 4964083  
Conc: 48.75 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.187 min  
Delta R.T.: 0.002 min  
Response: 4475026  
Conc: 50.19 ug/ml



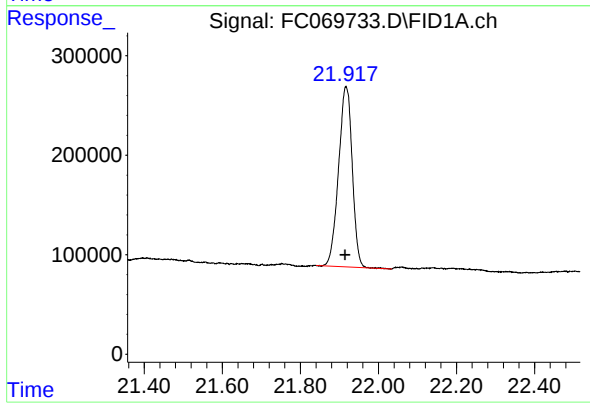
#21 n-Octatriacontane (C38)

R.T.: 20.954 min  
Delta R.T.: 0.005 min  
Response: 4588285  
Conc: 57.04 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.917 min  
Delta R.T.: 0.002 min  
Response: 4403006  
Conc: 58.80 ug/ml