

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE012825AL\  
 Data File : FE052110.D  
 Signal(s) : FID1B.ch  
 Acq On : 28 Jan 2025 17:59  
 Operator : YP\AJ  
 Sample : Q1168-02  
 Misc : 5 PPM SOIL LOQ  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 FID\_E  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2025

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 01/29/2025  
 Supervised By :Ankita Jodhani 01/29/2025

Integration File: autoint1.e  
 Quant Time: Jan 29 03:05:55 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 011625.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Jan 16 16:05:07 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    |        |            |              |
| 12) S 1-chlorooctadecane (S... | 13.612 | 4900297    | 42.717 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 85.43%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.678  | 298691     | 2.802 ug/ml  |
| 2) T n-Decane (C10)            | 4.904  | 370819     | 3.387 ug/ml  |
| 4) T n-Dodecane (C12)          | 7.031  | 464603     | 4.116 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.837  | 467458     | 4.019 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.430 | 489933     | 3.885 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.862 | 538621     | 4.071 ug/ml  |
| 10) T n-Eicosane (C20)         | 13.164 | 586563     | 4.474 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.772 | 565616     | 4.345 ug/ml  |
| 13) T n-Docosane (C22)         | 14.356 | 570040     | 4.344 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.454 | 604804     | 4.553 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.469 | 550059     | 4.161 ug/mlm |
| 16) T n-Octacosane (C28)       | 17.416 | 551623     | 4.179 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.301 | 580617     | 4.259 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 19.131 | 591628     | 4.514 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.912 | 558545     | 4.961 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.650 | 515598     | 5.428 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.434 | 499737     | 5.785 ug/mlm |
| 22) T n-Tetracontane (C40)     | 22.433 | 475773     | 5.773 ug/ml  |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP\AJ  
Sample : Q1168-02  
Misc : 5 PPM SOIL LOQ  
ALS Vial : 15 Sample Multiplier: 1

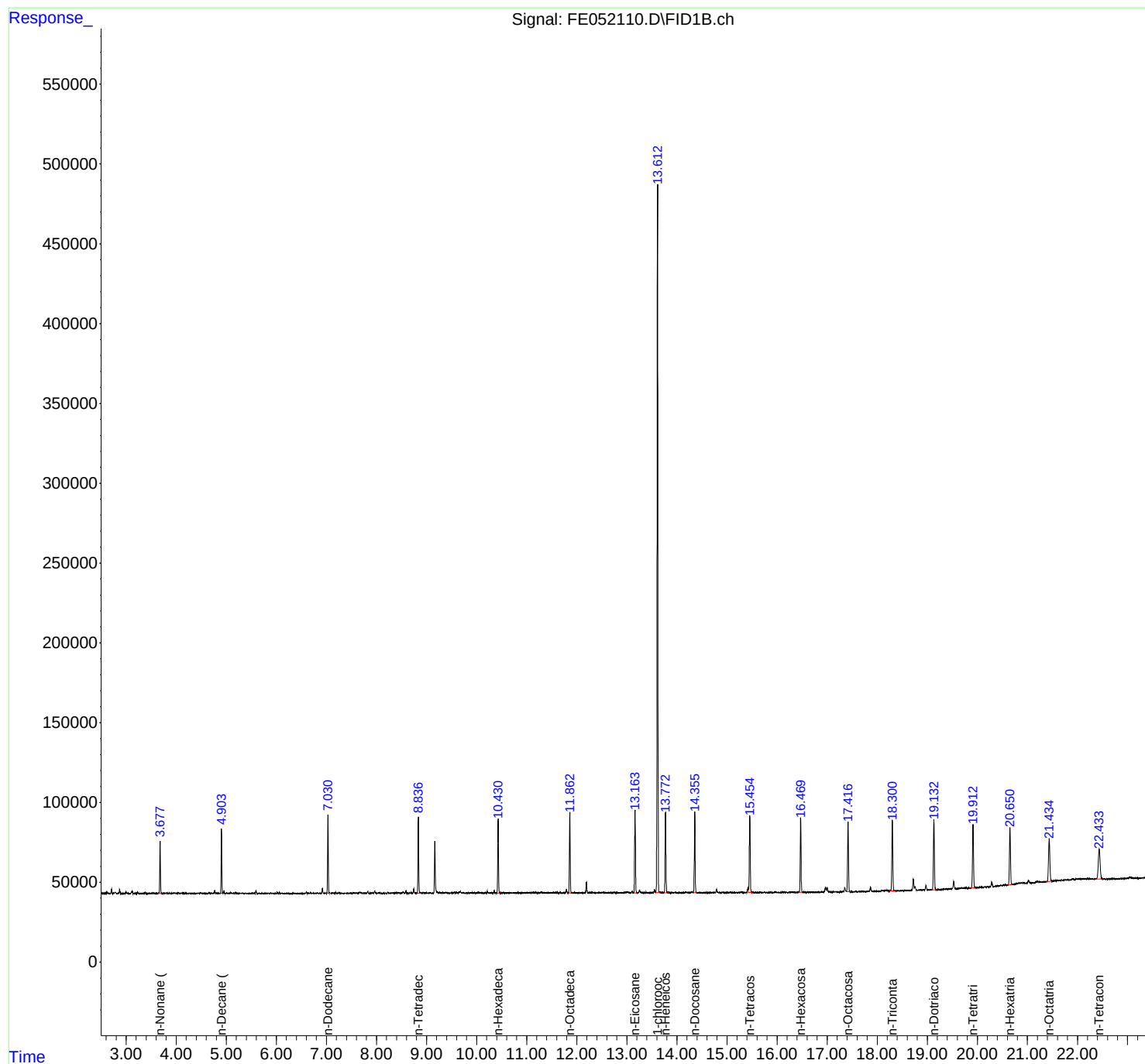
Instrument :  
FID\_E  
ClientSampleId :  
LOQ-SOIL-02-QT1-2025

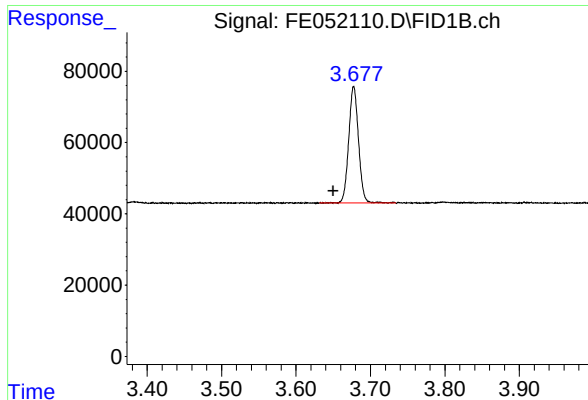
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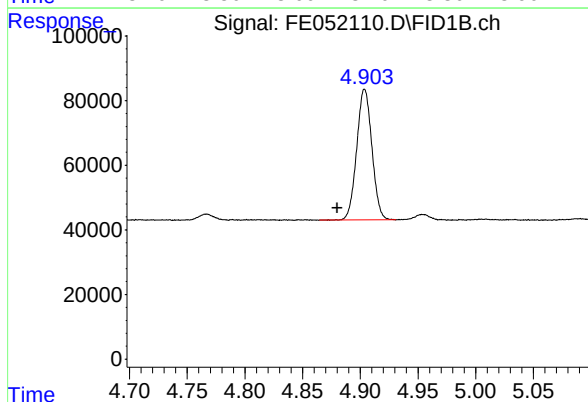
#1 n-Nonane (C9)

R.T.: 3.678 min  
Delta R.T.: 0.028 min  
Response: 298691  
Conc: 2.80 ug/ml

Instrument : FID\_E  
ClientSampleId : LOQ-SOIL-02-QT1-2025

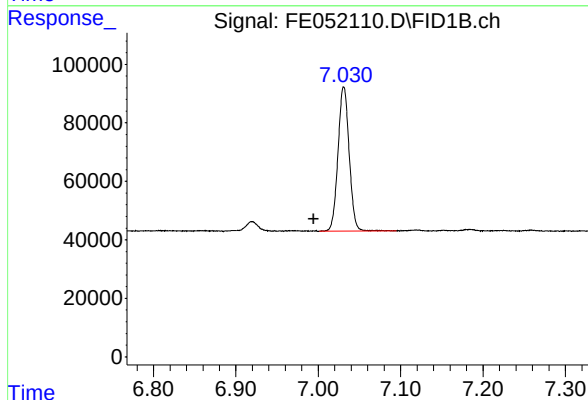
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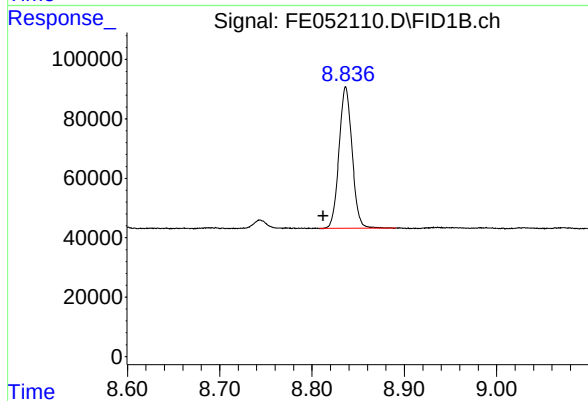
#2 n-Decane (C10)

R.T.: 4.904 min  
Delta R.T.: 0.024 min  
Response: 370819  
Conc: 3.39 ug/ml



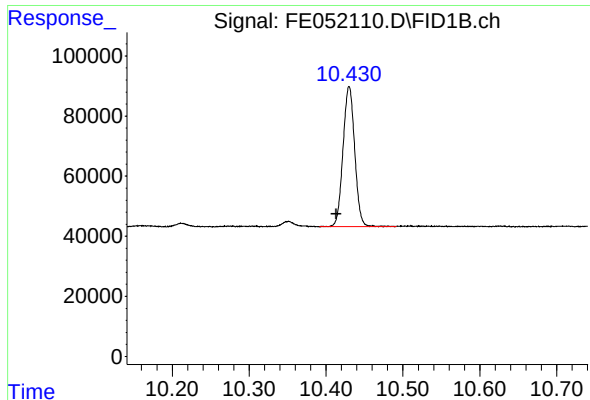
#4 n-Dodecane (C12)

R.T.: 7.031 min  
Delta R.T.: 0.037 min  
Response: 464603  
Conc: 4.12 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.837 min  
Delta R.T.: 0.024 min  
Response: 467458  
Conc: 4.02 ug/ml



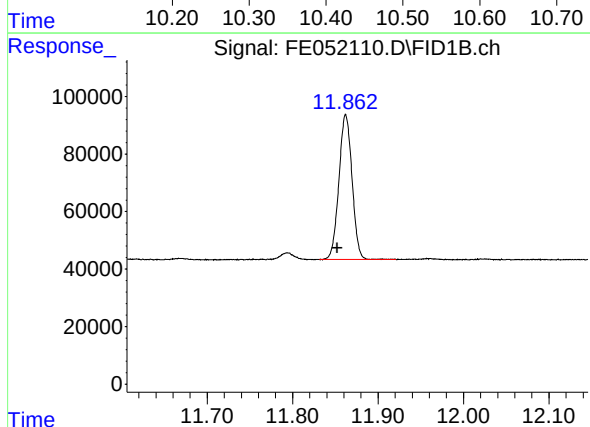
#7 n-Hexadecane (C16)

R.T.: 10.430 min  
Delta R.T.: 0.017 min  
Response: 489933  
Conc: 3.88 ug/ml

Instrument : FID\_E  
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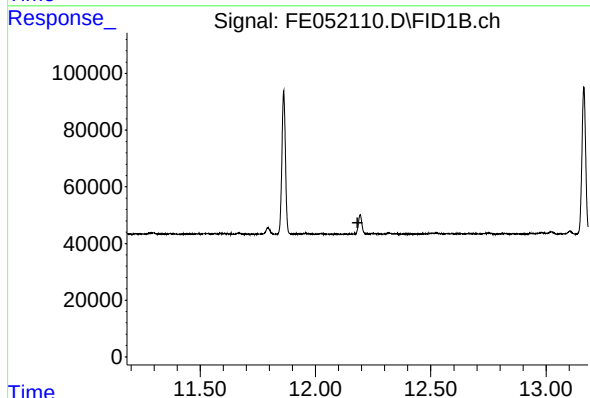
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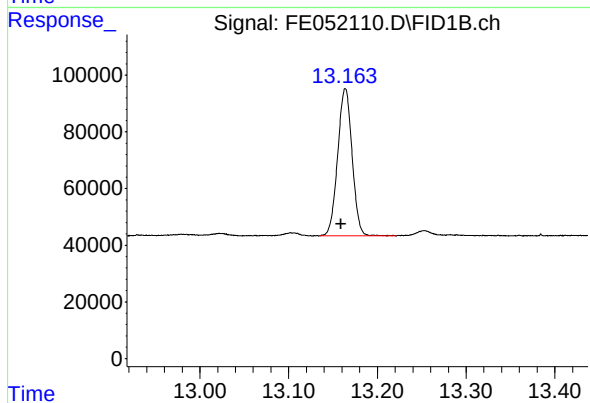
#8 n-Octadecane (C18)

R.T.: 11.862 min  
Delta R.T.: 0.010 min  
Response: 538621  
Conc: 4.07 ug/ml



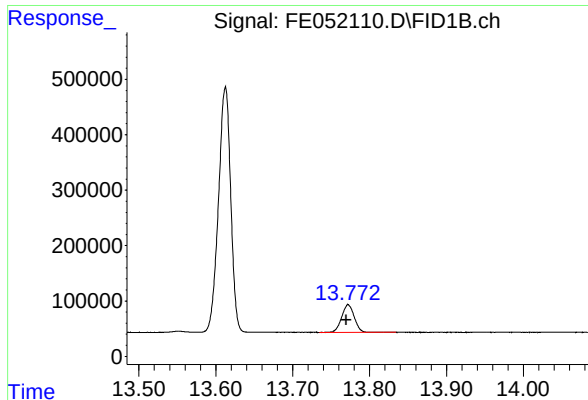
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min  
Exp R.T.: 12.182 min  
Response: 0  
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 13.164 min  
Delta R.T.: 0.005 min  
Response: 586563  
Conc: 4.47 ug/ml



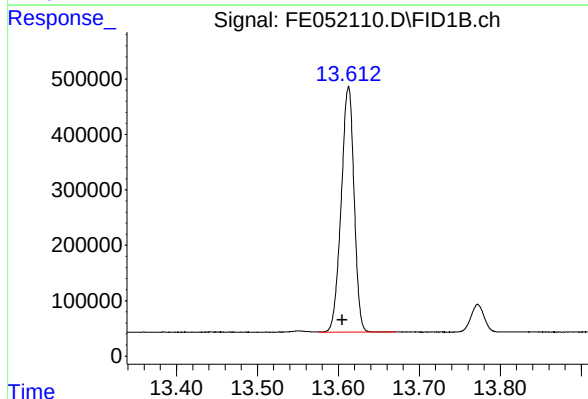
#11 n-Heneicosane (C21)

R.T.: 13.772 min  
Delta R.T.: 0.003 min  
Response: 565616  
Conc: 4.35 ug/ml

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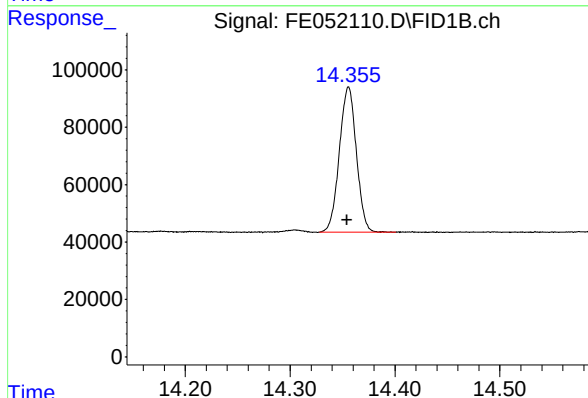
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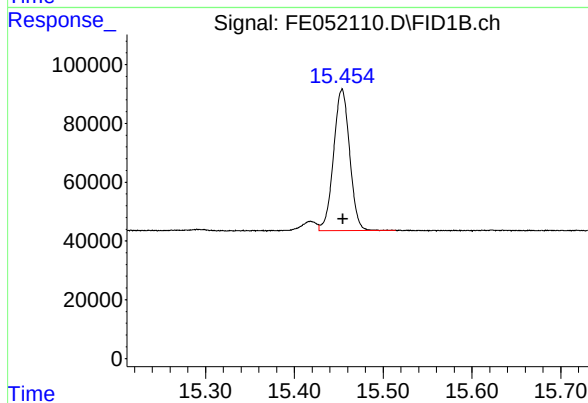
#12 1-chlorooctadecane (SURR)

R.T.: 13.612 min  
Delta R.T.: 0.007 min  
Response: 4900297  
Conc: 42.72 ug/ml



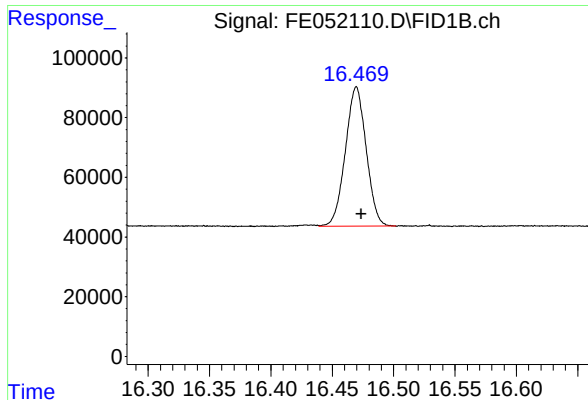
#13 n-Docosane (C22)

R.T.: 14.356 min  
Delta R.T.: 0.001 min  
Response: 570040  
Conc: 4.34 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.454 min  
Delta R.T.: -0.001 min  
Response: 604804  
Conc: 4.55 ug/ml



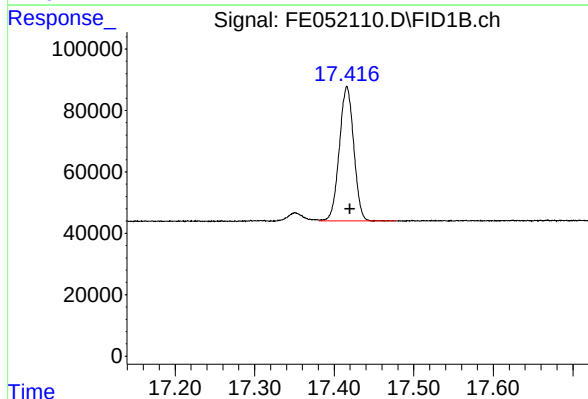
#15 n-Hexacosane (C26)

R.T.: 16.469 min  
Delta R.T.: -0.004 min  
Response: 550059  
Conc: 4.16 ug/ml

Instrument :  
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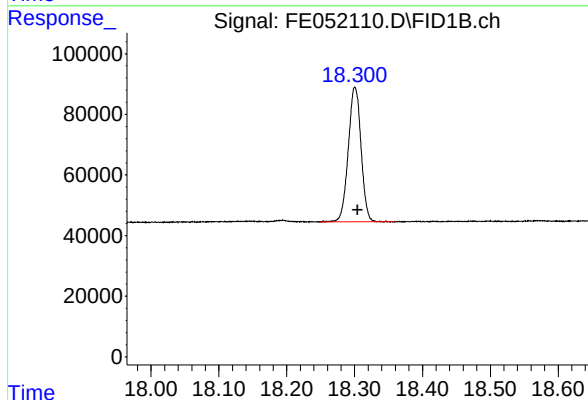
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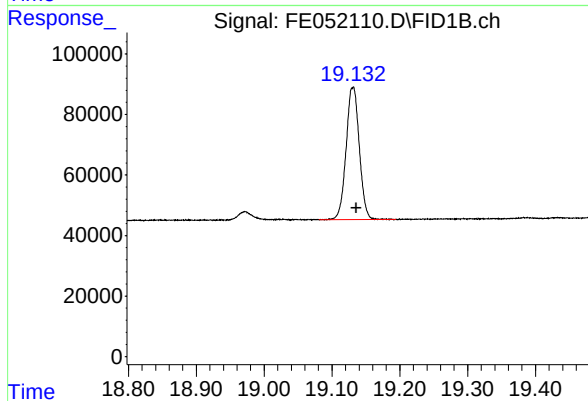
#16 n-Octacosane (C28)

R.T.: 17.416 min  
Delta R.T.: -0.004 min  
Response: 551623  
Conc: 4.18 ug/ml



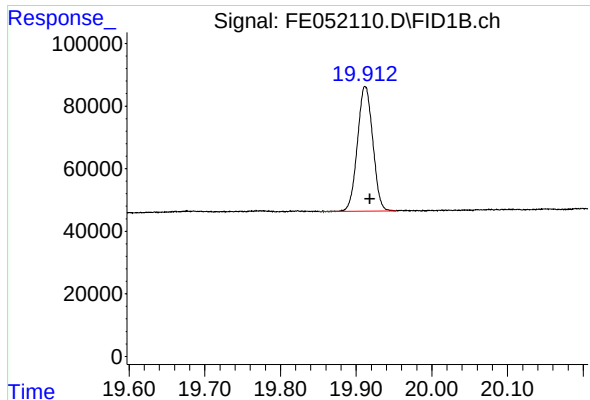
#17 n-Tricontane (C30)

R.T.: 18.301 min  
Delta R.T.: -0.004 min  
Response: 580617  
Conc: 4.26 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 19.131 min  
Delta R.T.: -0.005 min  
Response: 591628  
Conc: 4.51 ug/ml



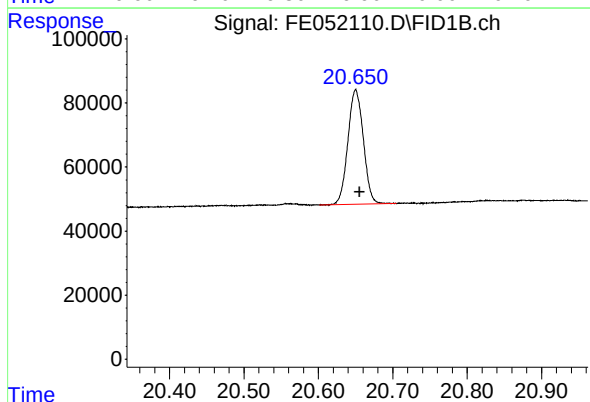
#19 n-Tetratriacontane (C34)

R.T.: 19.912 min  
Delta R.T.: -0.006 min  
Response: 558545  
Conc: 4.96 ug/ml

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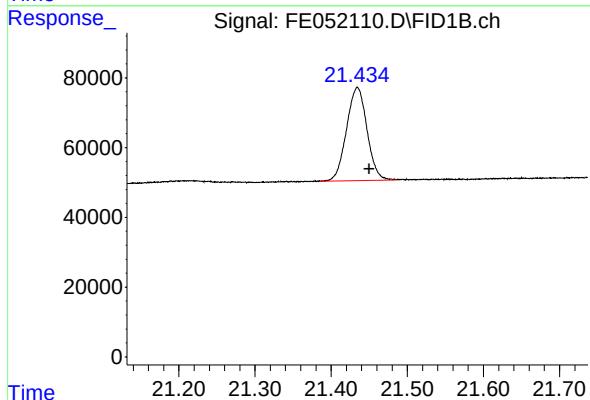
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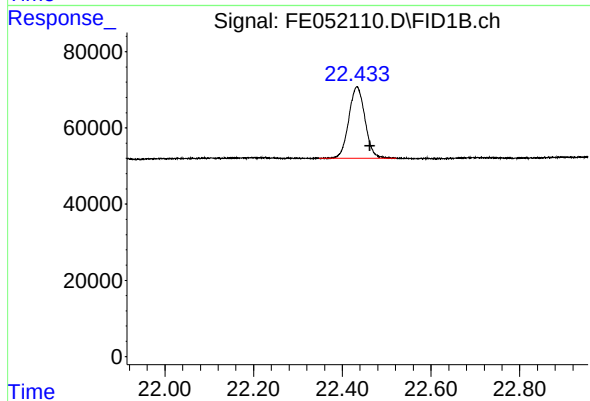
#20 n-Hexatriacontane (C36)

R.T.: 20.650 min  
Delta R.T.: -0.005 min  
Response: 515598  
Conc: 5.43 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.434 min  
Delta R.T.: -0.016 min  
Response: 499737  
Conc: 5.79 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 22.433 min  
Delta R.T.: -0.029 min  
Response: 475773  
Conc: 5.77 ug/ml