

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC071125AL\  
 Data File : FC069422.D  
 Signal(s) : FID1A.ch  
 Acq On : 11 Jul 2025 15:36  
 Operator : YP/AJ  
 Sample : PB168812BS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 FID\_C  
 ClientSampleId :  
 PB168812BS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/14/2025  
 Supervised By :mohammad ahmed 07/15/2025

Integration File: autoint1.e  
 Quant Time: Jul 11 23:03:47 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 061825.M  
 Quant Title : GC Extractables  
 Qlast Update : Wed Jun 18 14:24:27 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)    | 11.673 | 6090121    | 35.252 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 70.50%        |
| 12) S 1-chlorooctadecane (S... | 13.108 | 4768616    | 36.501 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 73.00%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.409  | 5138202    | 36.129 ug/ml  |
| 2) T n-Decane (C10)            | 4.480  | 5624227    | 38.418 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.072  | 7009276    | 43.564 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.502  | 6019687    | 39.754 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.131  | 6594113    | 41.669 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.302  | 6107862    | 39.404 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.904  | 6108296    | 37.379 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.350 | 5931686    | 36.330 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.662 | 5890745    | 38.593 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.275 | 5551687    | 37.666 ug/ml  |
| 13) T n-Docosane (C22)         | 13.863 | 5406699    | 37.577 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.960 | 10476847   | 75.957 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.991 | 4895060    | 37.446 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.940 | 4674922    | 37.906 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.831 | 4548673    | 38.262 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.663 | 4440441    | 40.612 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.448 | 4599429    | 47.630 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.189 | 4413272    | 53.551 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.955 | 4454146    | 59.603 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.922 | 4346901    | 61.383 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP/AJ  
Sample : PB168812BS  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

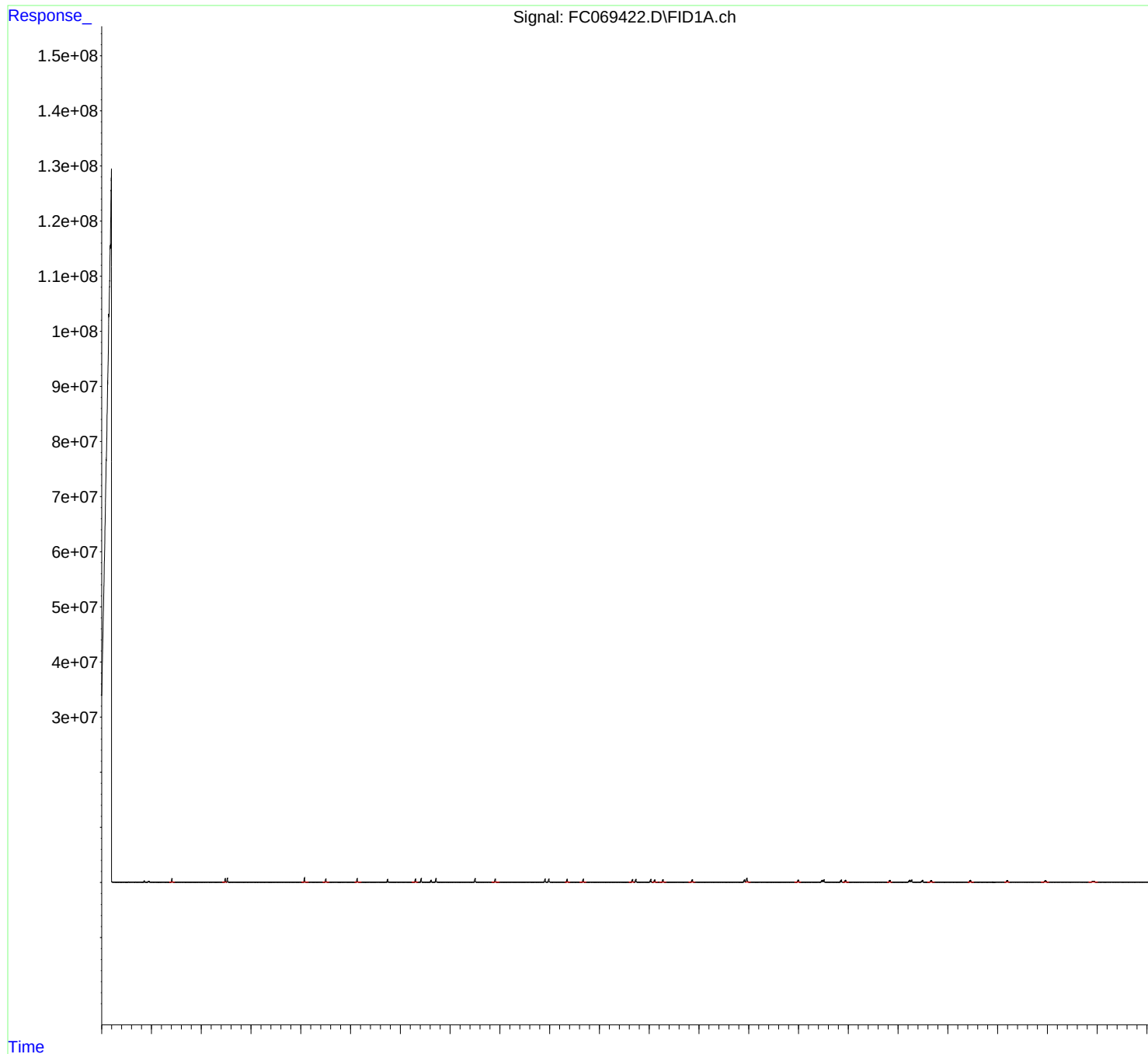
Instrument :  
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PB168812BS

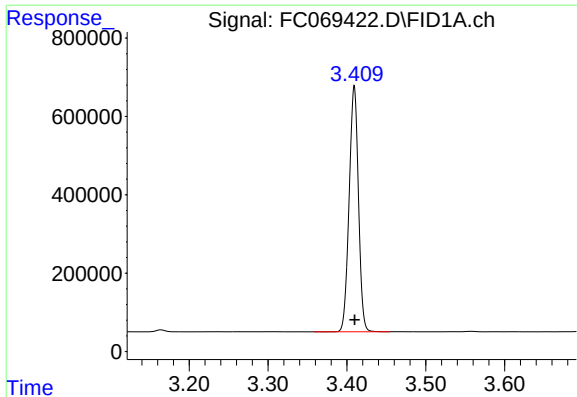
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Quant Title : GC Extractables  
QLast Update : Wed Jun 18 14:24:27 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 uL  
Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 3.409 min  
Delta R.T.: 0.000 min  
Response: 5138202  
Conc: 36.13 ug/ml

Instrument :

FID\_C

ClientSampleId :

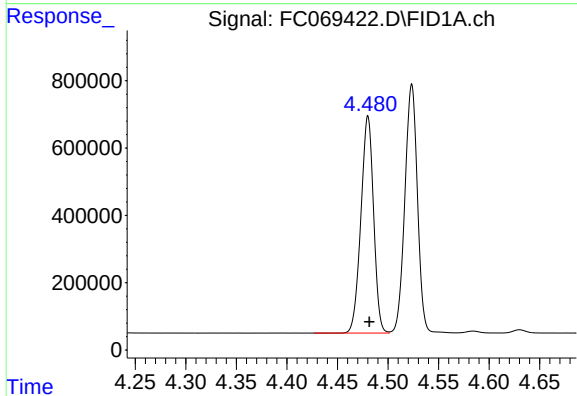
PB168812BS

Manual Integrations

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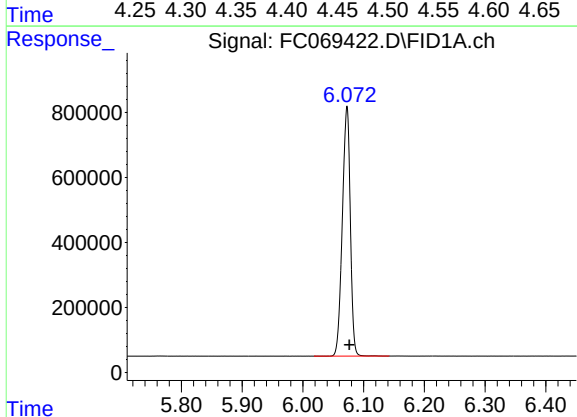
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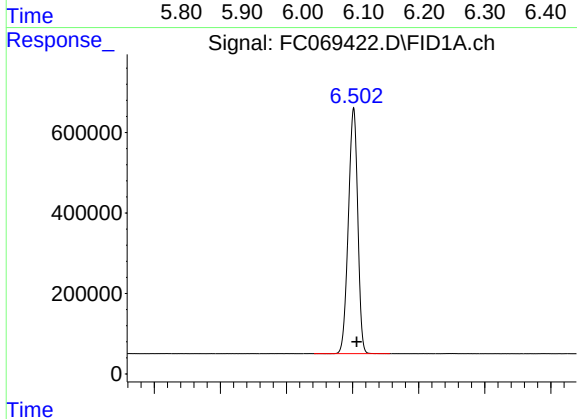
#2 n-Decane (C10)

R.T.: 4.480 min  
Delta R.T.: -0.001 min  
Response: 5624227  
Conc: 38.42 ug/ml



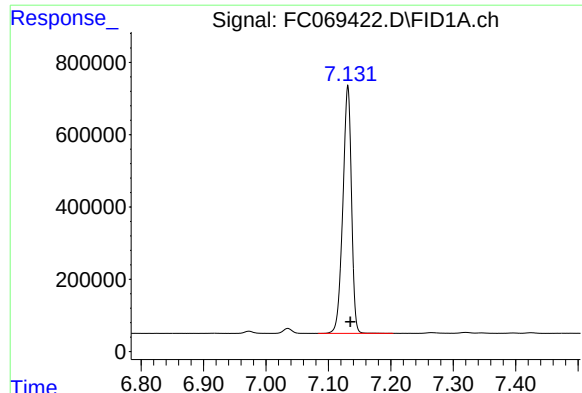
#3 A~Naphthalene (C11.7)

R.T.: 6.072 min  
Delta R.T.: -0.004 min  
Response: 7009276  
Conc: 43.56 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.502 min  
Delta R.T.: -0.005 min  
Response: 6019687  
Conc: 39.75 ug/ml



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

R.T.: 7.131 min  
Delta R.T.: -0.004 min  
Response: 6594113  
Conc: 41.67 ug/ml

Instrument :

FID\_C

ClientSampleId :

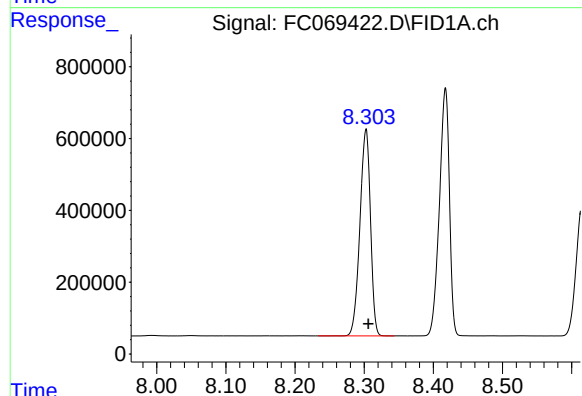
PB168812BS

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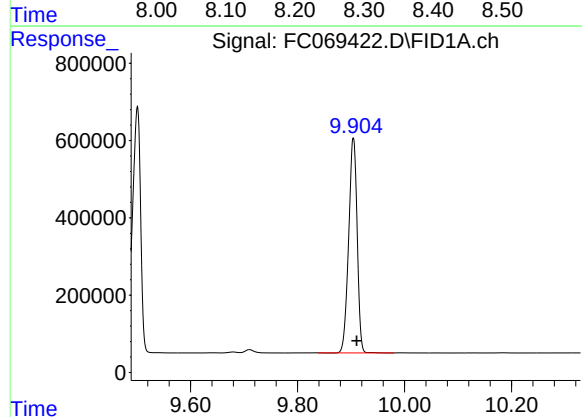
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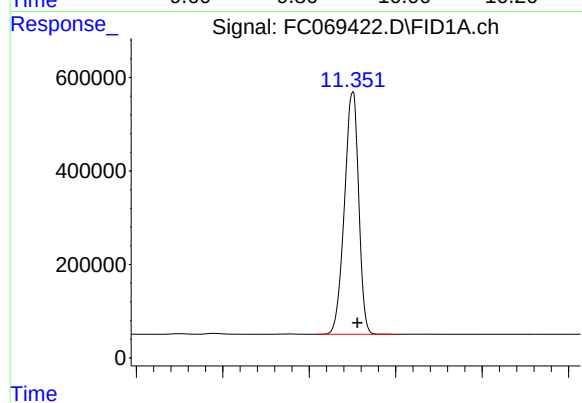
#6 n-Tetradecane (C14)

R.T.: 8.302 min  
Delta R.T.: -0.004 min  
Response: 6107862  
Conc: 39.40 ug/ml



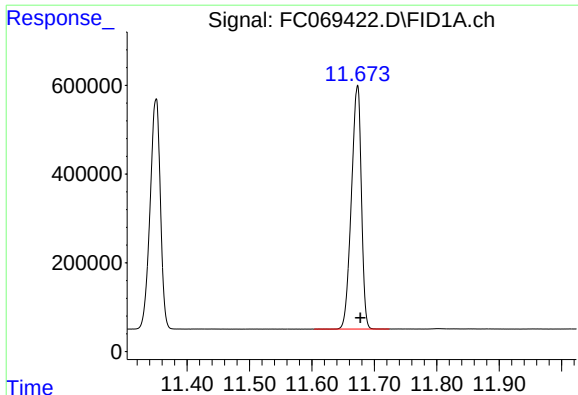
#7 n-Hexadecane (C16)

R.T.: 9.904 min  
Delta R.T.: -0.006 min  
Response: 6108296  
Conc: 37.38 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.350 min  
Delta R.T.: -0.006 min  
Response: 5931686  
Conc: 36.33 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 11.673 min  
Delta R.T.: -0.005 min  
Response: 6090121  
Conc: 35.25 ug/ml

Instrument :

FID\_C

ClientSampleId :

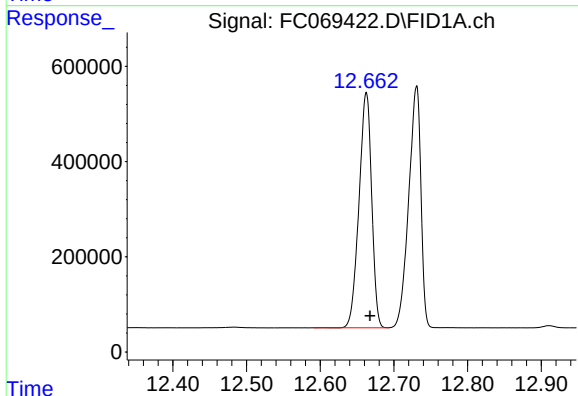
PB168812BS

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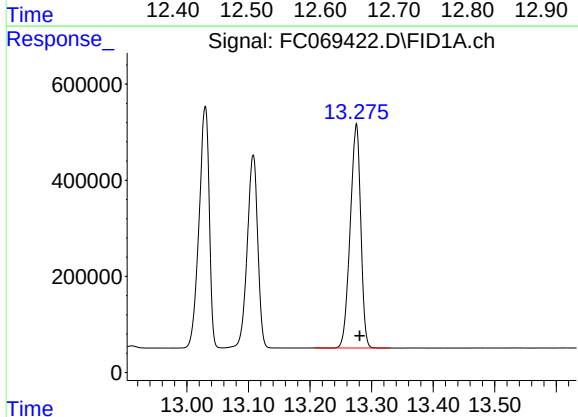
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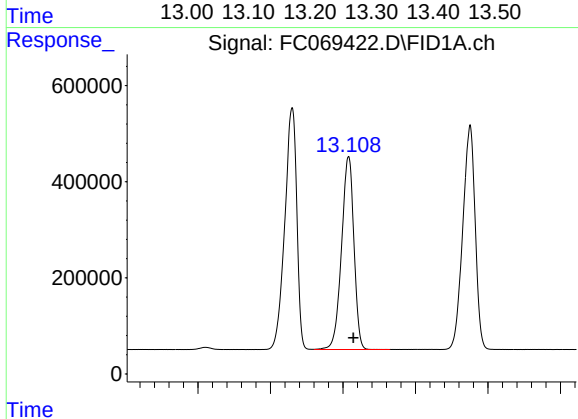
#10 n-Eicosane (C20)

R.T.: 12.662 min  
Delta R.T.: -0.005 min  
Response: 5890745  
Conc: 38.59 ug/ml



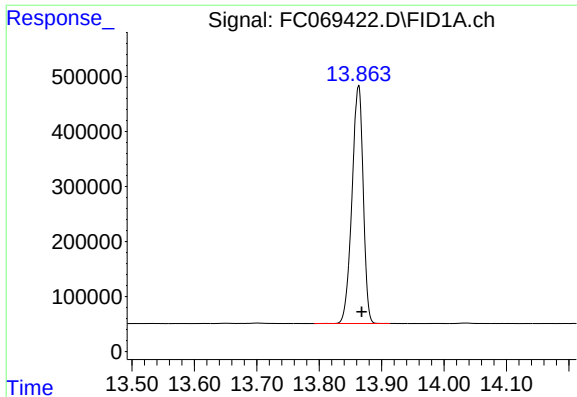
#11 n-Heneicosane (C21)

R.T.: 13.275 min  
Delta R.T.: -0.006 min  
Response: 5551687  
Conc: 37.67 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.108 min  
Delta R.T.: -0.007 min  
Response: 4768616  
Conc: 36.50 ug/ml



#13 n-Docosane (C22)

R.T.: 13.863 min  
Delta R.T.: -0.005 min  
Response: 5406699  
Conc: 37.58 ug/ml

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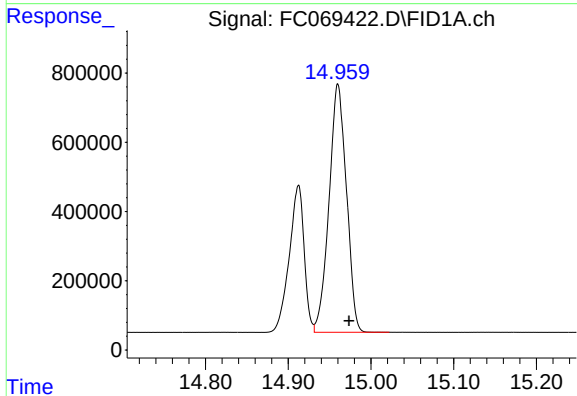
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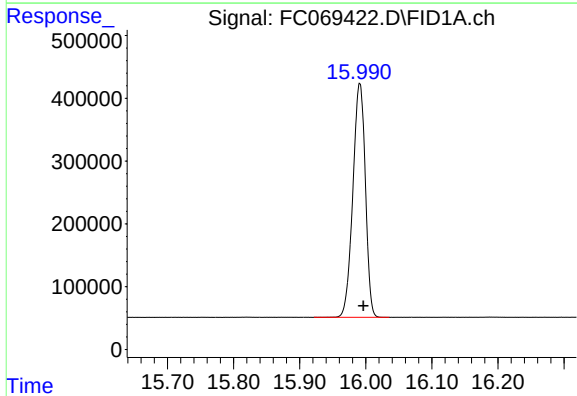
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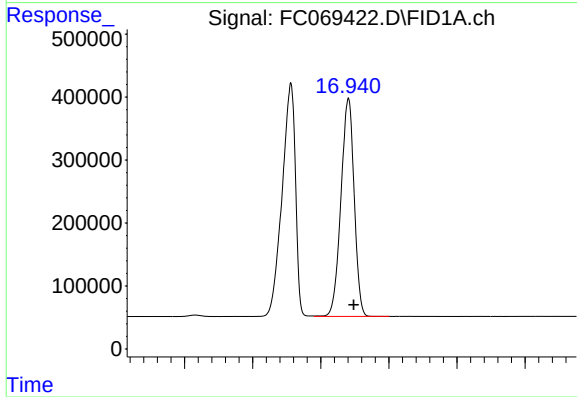
#14 n-Tetracosane (C24)

R.T.: 14.960 min  
Delta R.T.: -0.013 min  
Response: 10476847  
Conc: 75.96 ug/ml



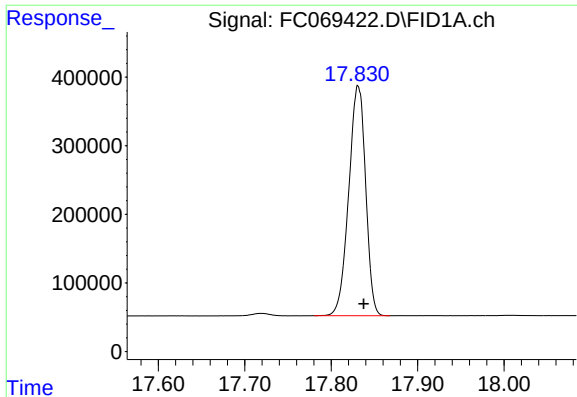
#15 n-Hexacosane (C26)

R.T.: 15.991 min  
Delta R.T.: -0.006 min  
Response: 4895060  
Conc: 37.45 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.940 min  
Delta R.T.: -0.008 min  
Response: 4674922  
Conc: 37.91 ug/ml



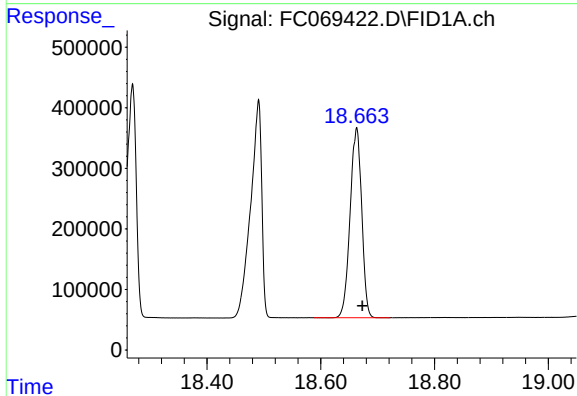
#17 n-Tricontane (C30)

R.T.: 17.831 min  
Delta R.T.: -0.006 min  
Response: 4548673  
Conc: 38.26 ug/ml

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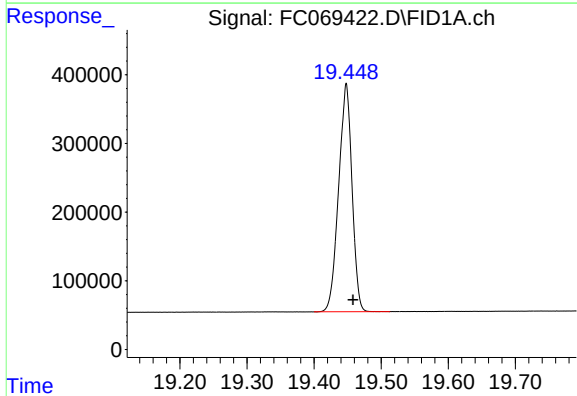
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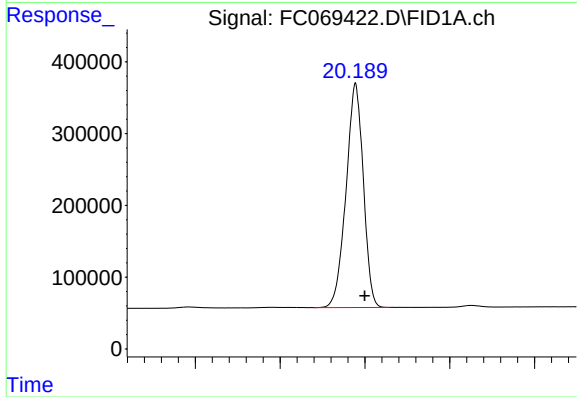
#18 n-Dotriacontane (C32)

R.T.: 18.663 min  
Delta R.T.: -0.010 min  
Response: 4440441  
Conc: 40.61 ug/ml



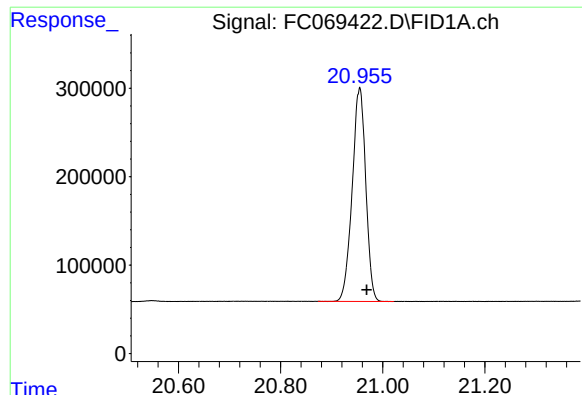
#19 n-Tetratriacontane (C34)

R.T.: 19.448 min  
Delta R.T.: -0.010 min  
Response: 4599429  
Conc: 47.63 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.189 min  
Delta R.T.: -0.011 min  
Response: 4413272  
Conc: 53.55 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.955 min  
Delta R.T.: -0.014 min  
Response: 4454146  
Conc: 59.60 ug/ml

Instrument :

FID\_C

ClientSampleId :

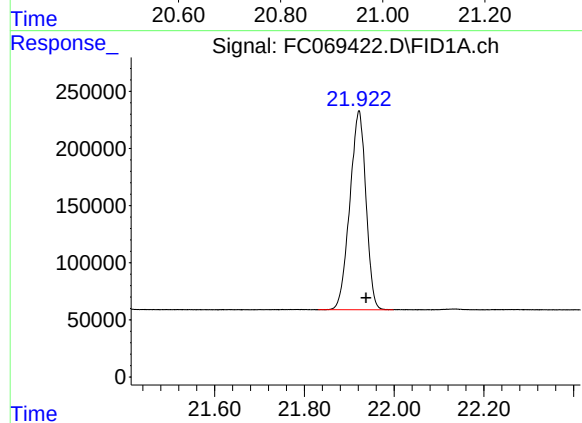
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#22 n-Tetracontane (C40)

R.T.: 21.922 min  
Delta R.T.: -0.015 min  
Response: 4346901  
Conc: 61.38 ug/ml m