

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC092424AL\  
 Data File : FC067245.D  
 Signal(s) : FID1A.ch  
 Acq On : 24 Sep 2024 11:44  
 Operator : YP/AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 FID\_C  
 ClientSampleId :  
 20 PPM ALIPHATIC HC STD

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 09/25/2024  
 Supervised By :Ankita Jodhani 09/25/2024

Integration File: autoint1.e  
 Quant Time: Sep 25 02:42:50 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 091024.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Sep 11 02:55:44 2024  
 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)    | 11.500 | 2482761    | 17.830 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 35.66%        |
| 12) S 1-chlorooctadecane (S... | 12.938 | 1734745    | 17.758 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 35.52%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.276  | 2368612    | 17.857 ug/ml  |
| 2) T n-Decane (C10)            | 4.341  | 2472250    | 18.407 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.919  | 2578476    | 18.142 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.357  | 2458861    | 18.370 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.974  | 2419012    | 18.115 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.150  | 2378167    | 18.453 ug/mlm |
| 7) T n-Hexadecane (C16)        | 9.749  | 2389966    | 18.538 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.190 | 2374085    | 18.556 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.496 | 2218637    | 18.471 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.108 | 2157492    | 18.473 ug/ml  |
| 13) T n-Docosane (C22)         | 13.694 | 2136819    | 18.507 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.795 | 2145263    | 18.891 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.814 | 2124391    | 19.168 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.763 | 2177535    | 20.159 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.649 | 2359421    | 21.691 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.481 | 2373761    | 22.758 ug/mlm |
| 19) T n-Tetratriacontane (C34) | 19.263 | 2146184    | 23.263 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.002 | 1855547    | 23.415 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.725 | 1500543    | 19.976 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.612 | 1158847    | 16.587 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP/AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

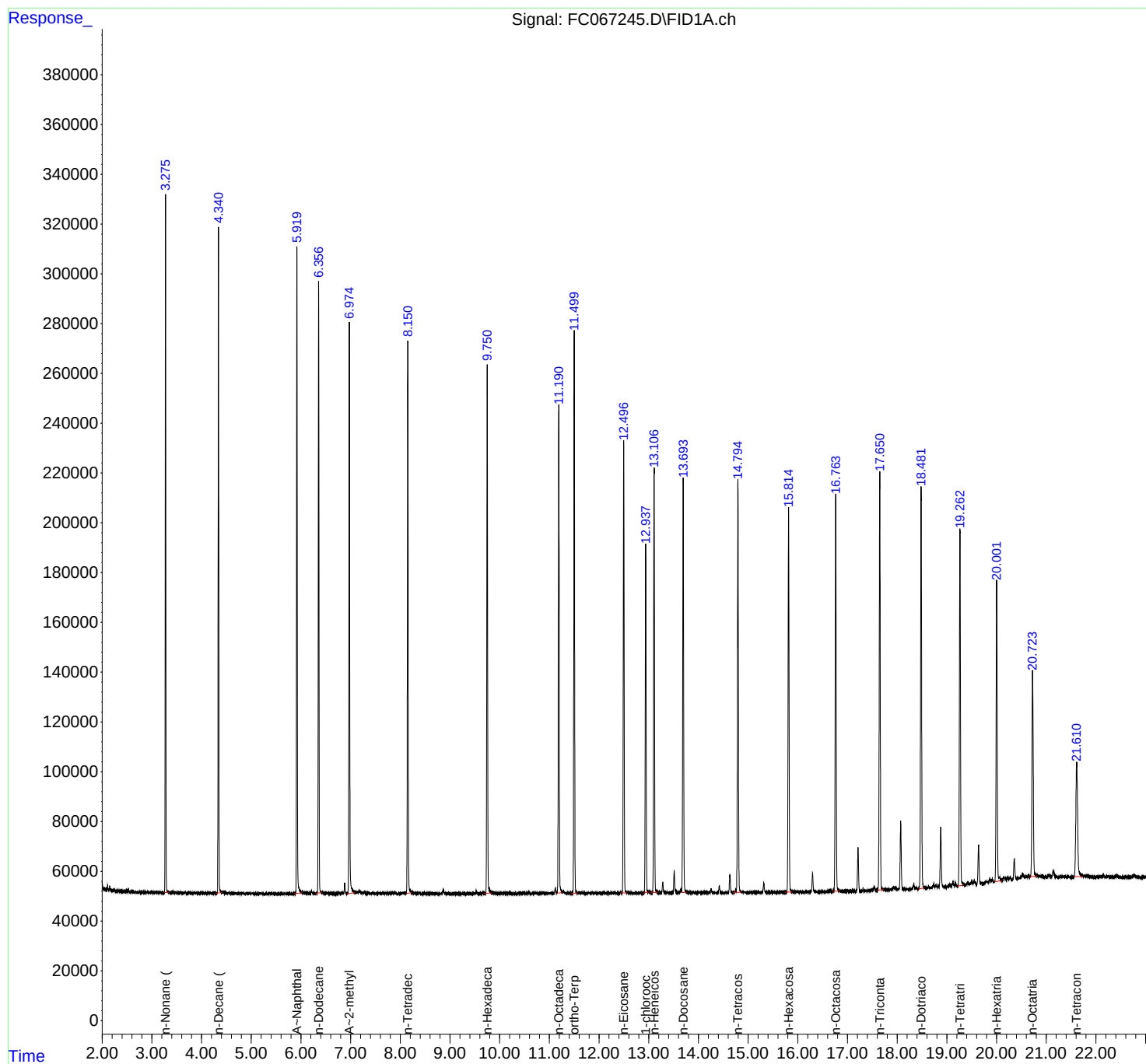
Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

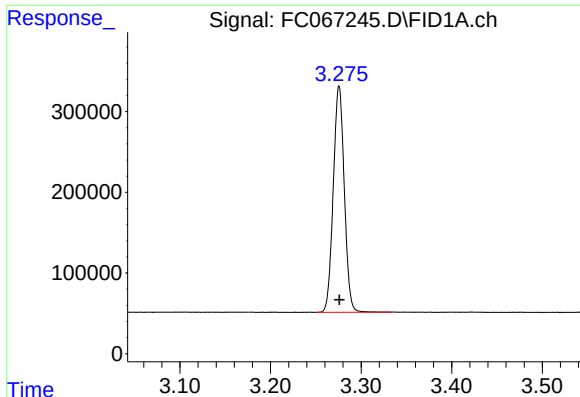
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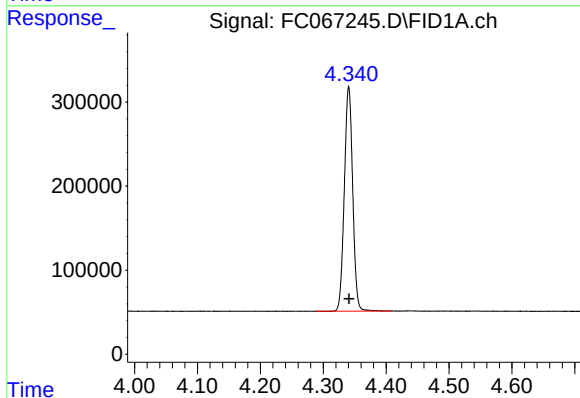
#1 n-Nonane (C9)

R.T.: 3.276 min  
Delta R.T.: 0.000 min  
Response: 2368612  
Conc: 17.86 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

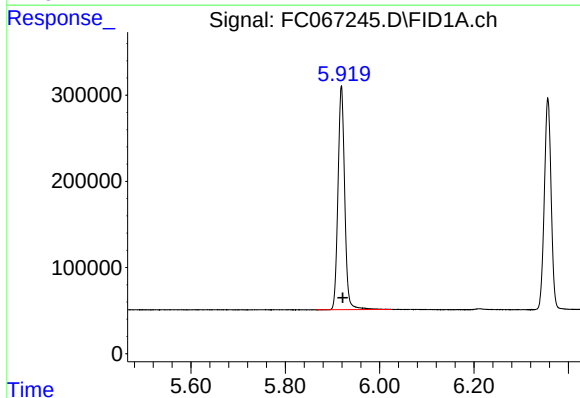
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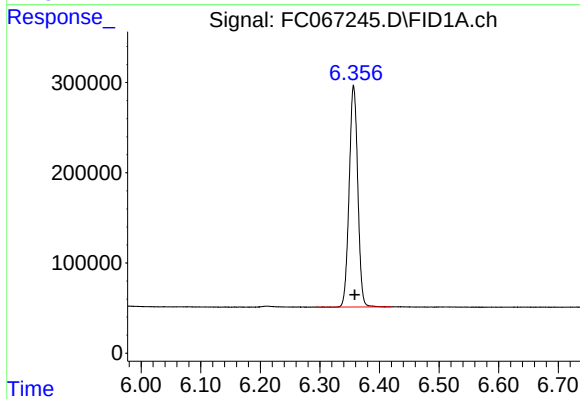
#2 n-Decane (C10)

R.T.: 4.341 min  
Delta R.T.: 0.000 min  
Response: 2472250  
Conc: 18.41 ug/ml



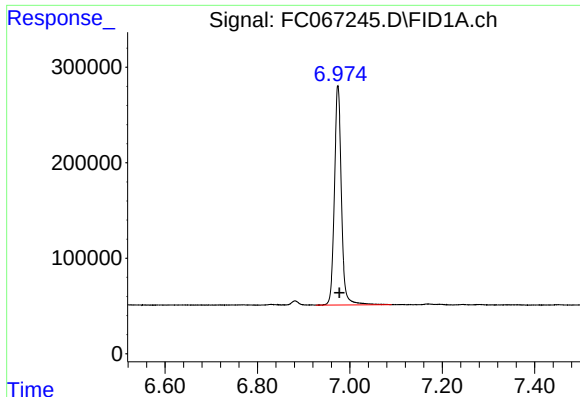
#3 A~Naphthalene (C11.7)

R.T.: 5.919 min  
Delta R.T.: -0.003 min  
Response: 2578476  
Conc: 18.14 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.357 min  
Delta R.T.: -0.002 min  
Response: 2458861  
Conc: 18.37 ug/ml



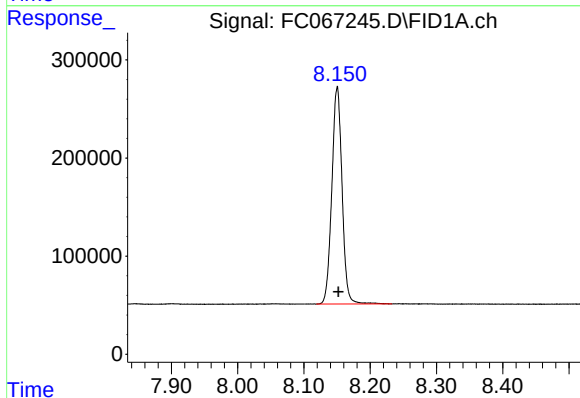
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.974 min  
Delta R.T.: -0.003 min  
Response: 2419012  
Conc: 18.12 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

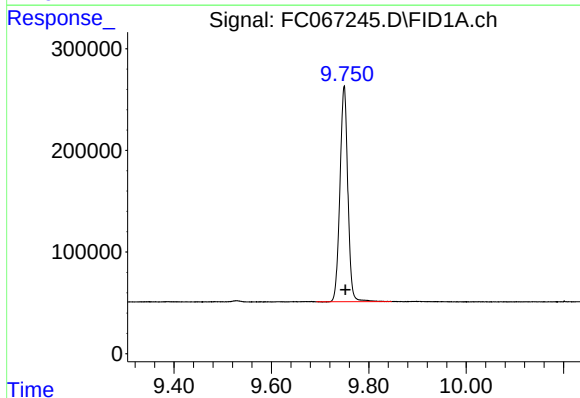
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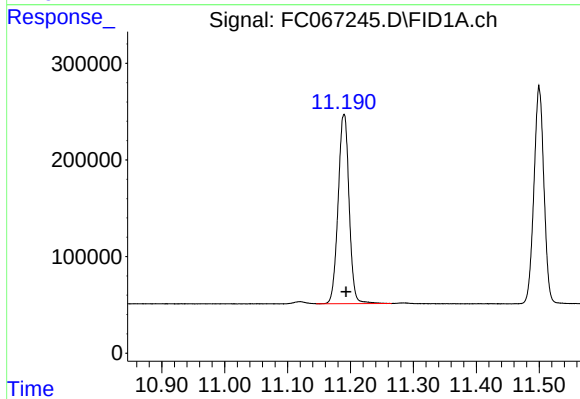
#6 n-Tetradecane (C14)

R.T.: 8.150 min  
Delta R.T.: -0.002 min  
Response: 2378167  
Conc: 18.45 ug/ml m



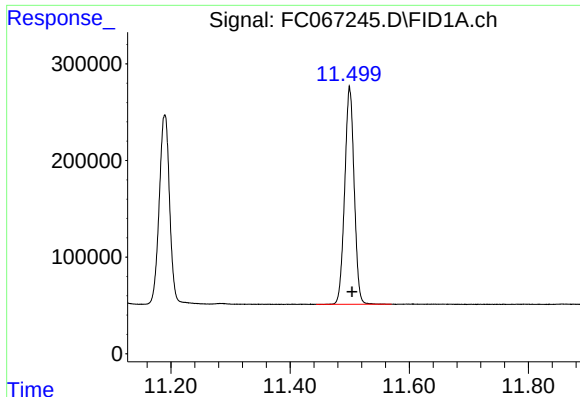
#7 n-Hexadecane (C16)

R.T.: 9.749 min  
Delta R.T.: -0.002 min  
Response: 2389966  
Conc: 18.54 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.190 min  
Delta R.T.: -0.003 min  
Response: 2374085  
Conc: 18.56 ug/ml



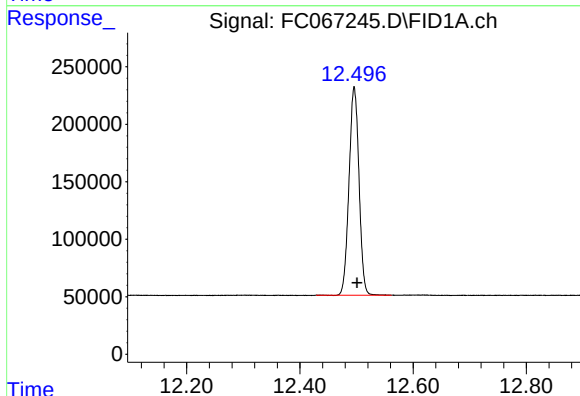
#9 ortho-Terphenyl (SURR)

R.T.: 11.500 min  
Delta R.T.: -0.004 min  
Response: 2482761  
Conc: 17.83 ug/ml

Instrument :  
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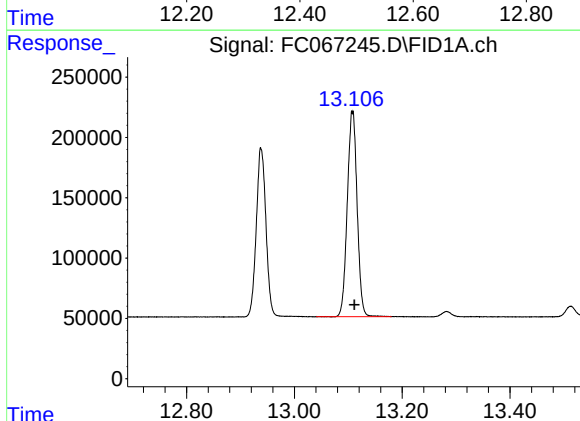
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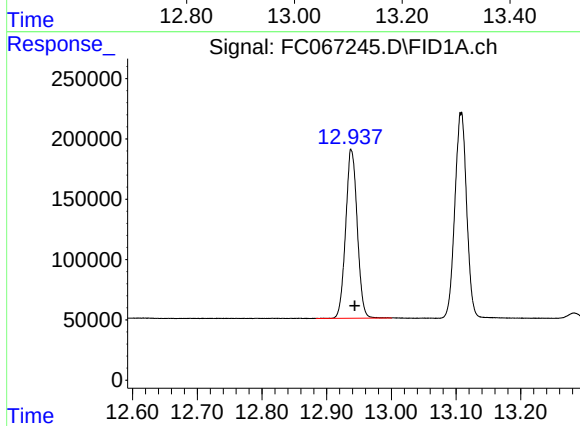
#10 n-Eicosane (C20)

R.T.: 12.496 min  
Delta R.T.: -0.005 min  
Response: 2218637  
Conc: 18.47 ug/ml



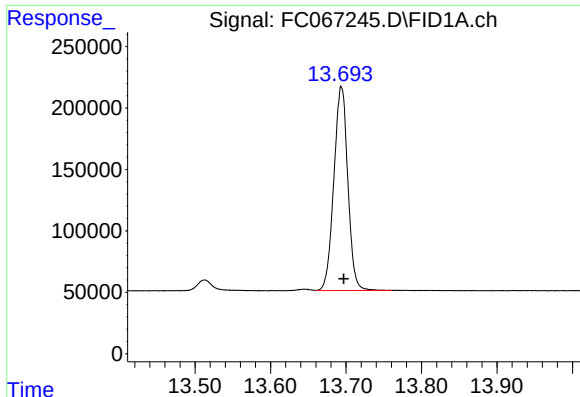
#11 n-Heneicosane (C21)

R.T.: 13.108 min  
Delta R.T.: -0.004 min  
Response: 2157492  
Conc: 18.47 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.938 min  
Delta R.T.: -0.005 min  
Response: 1734745  
Conc: 17.76 ug/ml



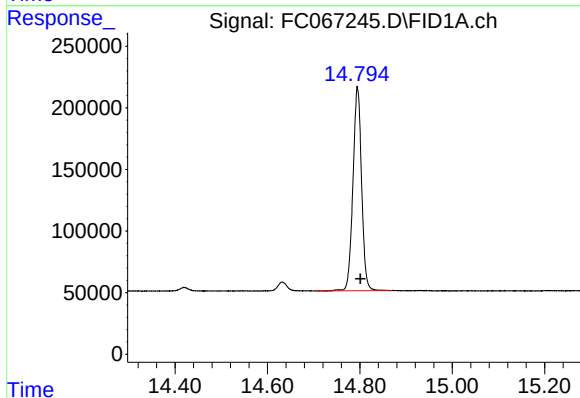
#13 n-Docosane (C22)

R.T.: 13.694 min  
Delta R.T.: -0.003 min  
Response: 2136819  
Conc: 18.51 ug/ml

Instrument :  
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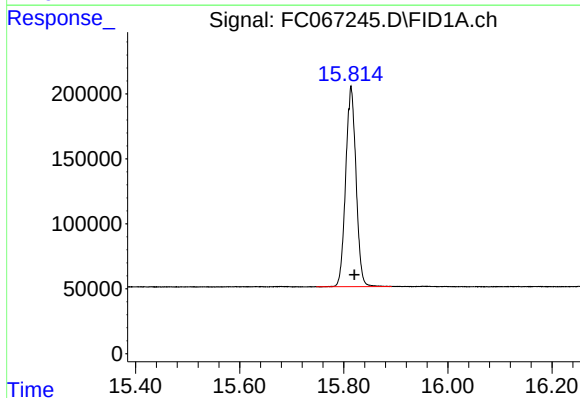
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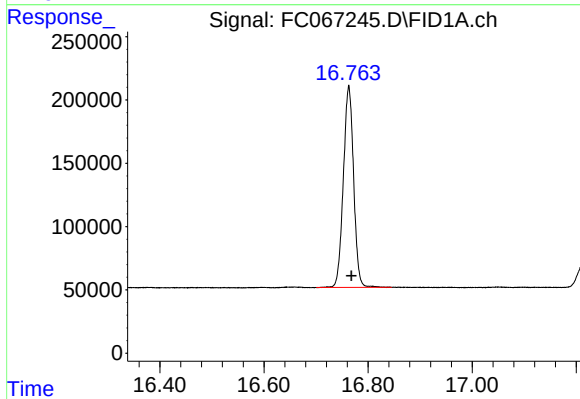
#14 n-Tetracosane (C24)

R.T.: 14.795 min  
Delta R.T.: -0.006 min  
Response: 2145263  
Conc: 18.89 ug/ml



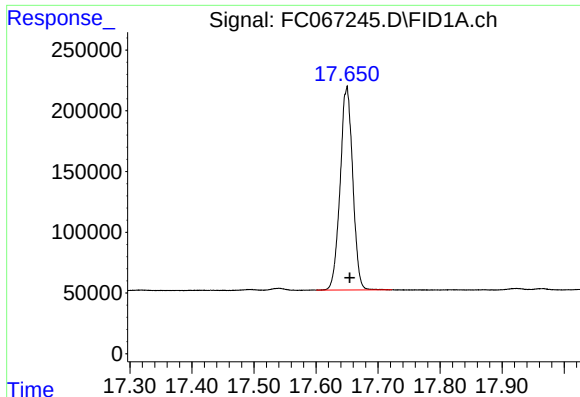
#15 n-Hexacosane (C26)

R.T.: 15.814 min  
Delta R.T.: -0.006 min  
Response: 2124391  
Conc: 19.17 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.763 min  
Delta R.T.: -0.005 min  
Response: 2177535  
Conc: 20.16 ug/ml



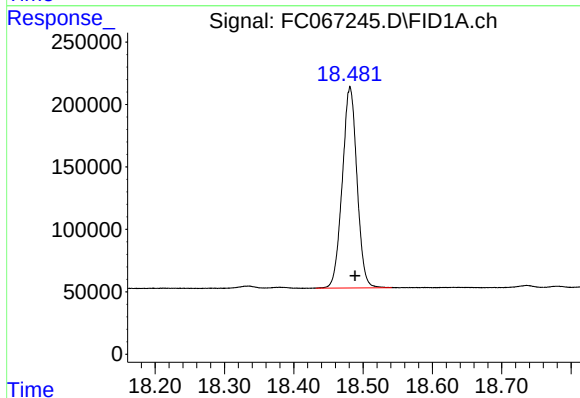
#17 n-Tricontane (C30)

R.T.: 17.649 min  
Delta R.T.: -0.005 min  
Response: 2359421  
Conc: 21.69 ug/ml

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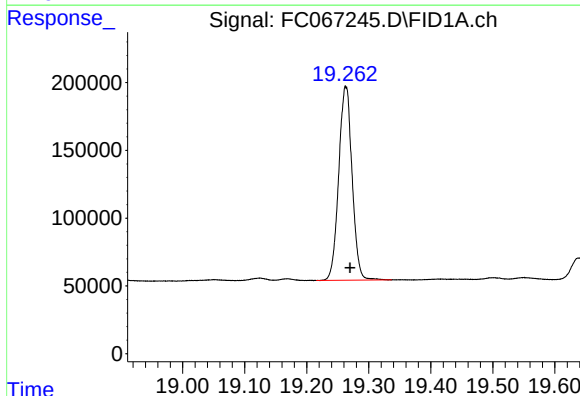
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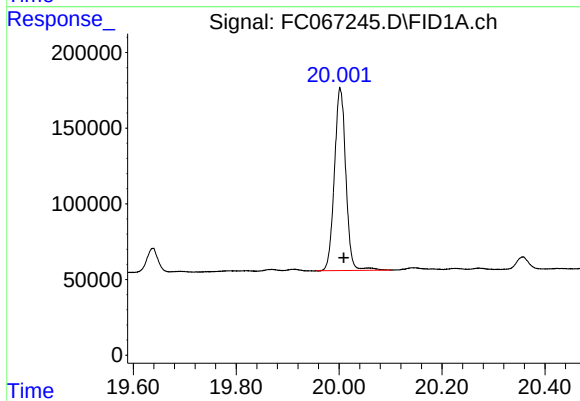
#18 n-Dotriacontane (C32)

R.T.: 18.481 min  
Delta R.T.: -0.007 min  
Response: 2373761  
Conc: 22.76 ug/ml m



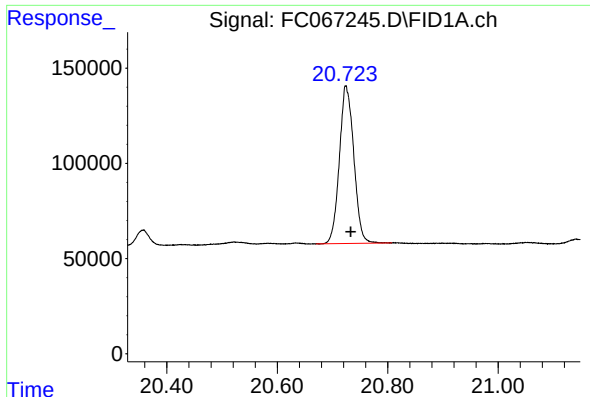
#19 n-Tetratriacontane (C34)

R.T.: 19.263 min  
Delta R.T.: -0.007 min  
Response: 2146184  
Conc: 23.26 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.002 min  
Delta R.T.: -0.007 min  
Response: 1855547  
Conc: 23.41 ug/ml



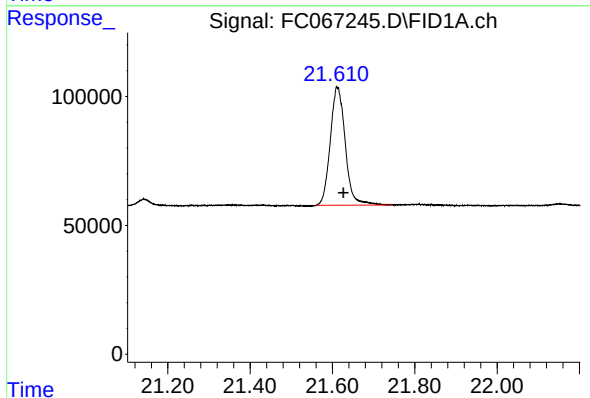
#21 n-Octatriacontane (C38)

R.T.: 20.725 min  
Delta R.T.: -0.008 min  
Response: 1500543  
Conc: 19.98 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.612 min  
Delta R.T.: -0.015 min  
Response: 1158847  
Conc: 16.59 ug/ml