

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\F101724AL\  
 Data File : FC067453.D  
 Signal(s) : FID1A.ch  
 Acq On : 17 Oct 2024 12:04  
 Operator : YP/AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

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

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/18/2024  
 Supervised By :Ankita Jodhani 10/18/2024

Integration File: sample.E  
 Quant Time: Oct 18 01:43:18 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100224.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 01 09:13:32 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)    | 11.496 | 2960529    | 19.456 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 38.91%        |
| 12) S 1-chlorooctadecane (S... | 12.934 | 2198884    | 19.426 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 38.85%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.274  | 2668792    | 21.054 ug/ml  |
| 2) T n-Decane (C10)            | 4.339  | 2751731    | 21.407 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.917  | 2996471    | 21.123 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.355  | 2752602    | 21.213 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.972  | 2861268    | 20.856 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.147  | 2677245    | 20.787 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.745  | 2718387    | 20.421 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.185 | 2720097    | 20.059 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.492 | 2584334    | 19.793 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.103 | 2526554    | 19.699 ug/ml  |
| 13) T n-Docosane (C22)         | 13.689 | 2497504    | 19.560 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.790 | 2481302    | 19.402 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.809 | 2441382    | 19.363 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.757 | 2434406    | 19.378 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.644 | 2532980    | 19.662 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.475 | 2497695    | 19.993 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.258 | 2213568    | 20.256 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 19.995 | 1937998    | 20.504 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.718 | 1787184    | 20.378 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.605 | 1740931    | 20.232 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

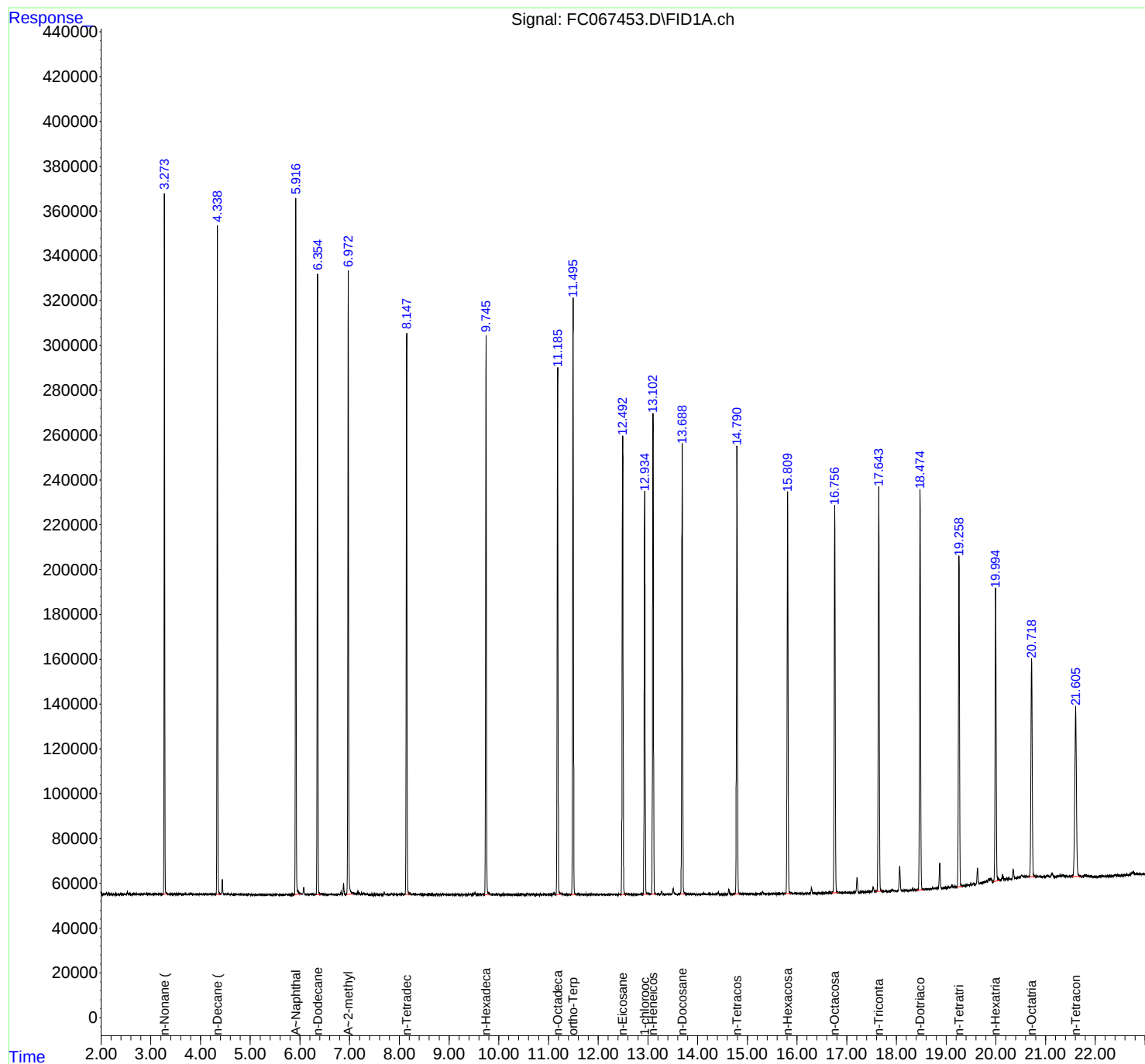
Instrument :  
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ClientSampleId :  
20 PPM ALIPHATIC HC STD

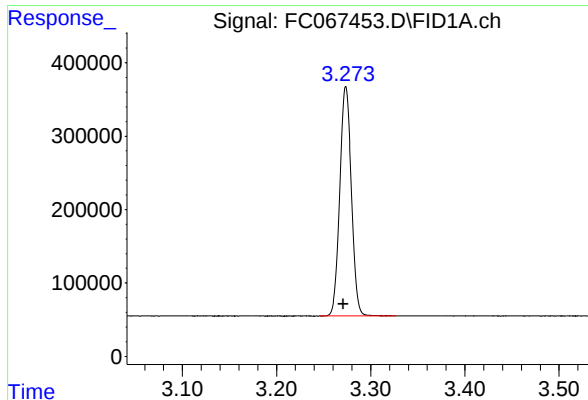
Manual Integrations  
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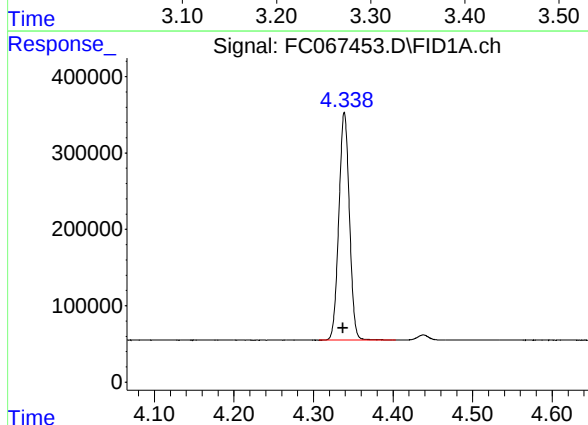
#1 n-Nonane (C9)

R.T.: 3.274 min  
Delta R.T.: 0.003 min  
Response: 2668792  
Conc: 21.05 ug/ml

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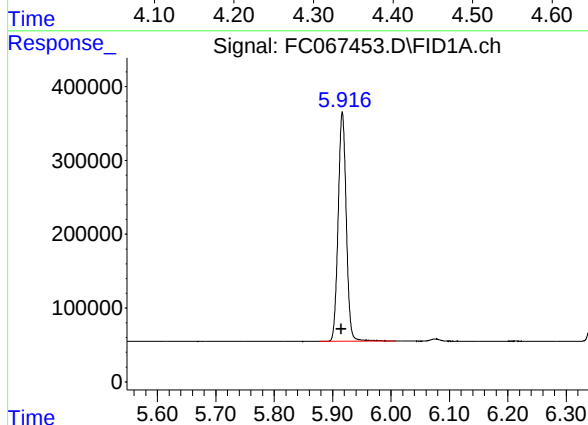
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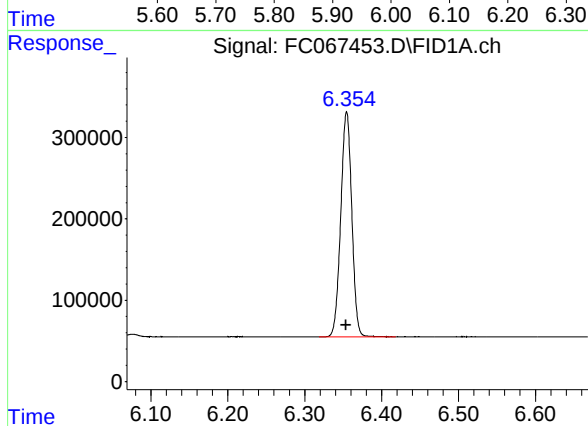
#2 n-Decane (C10)

R.T.: 4.339 min  
Delta R.T.: 0.002 min  
Response: 2751731  
Conc: 21.41 ug/ml



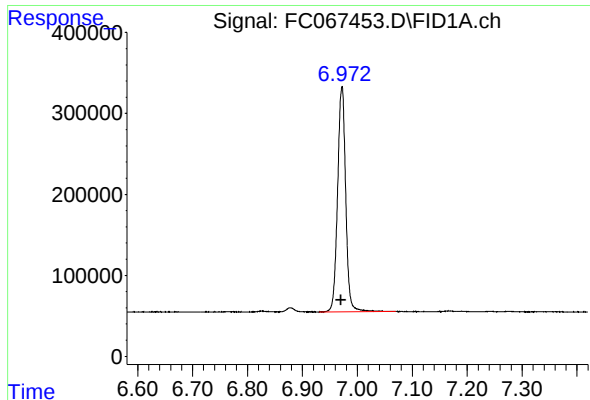
#3 n-Undecane (C11.7)

R.T.: 5.917 min  
Delta R.T.: 0.002 min  
Response: 2996471  
Conc: 21.12 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.355 min  
Delta R.T.: 0.001 min  
Response: 2752602  
Conc: 21.21 ug/ml



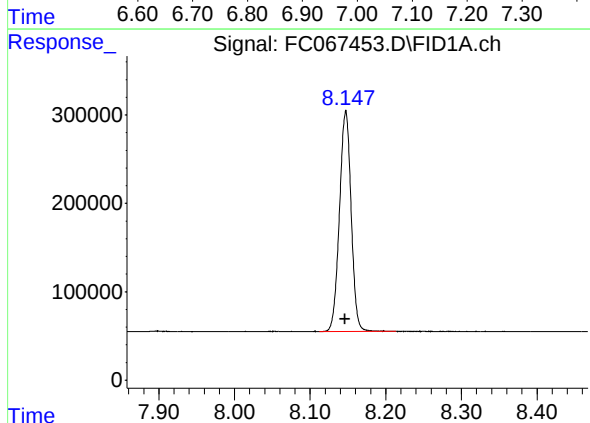
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.972 min  
Delta R.T.: 0.002 min  
Response: 2861268  
Conc: 20.86 ug/ml

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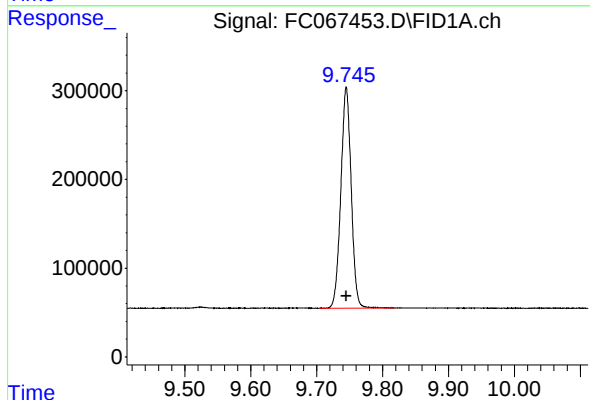
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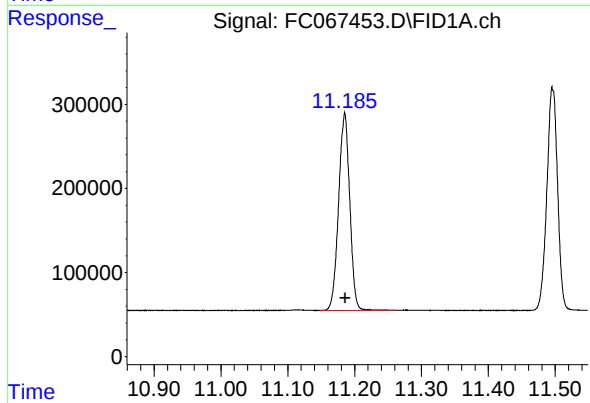
#6 n-Tetradecane (C14)

R.T.: 8.147 min  
Delta R.T.: 0.000 min  
Response: 2677245  
Conc: 20.79 ug/ml



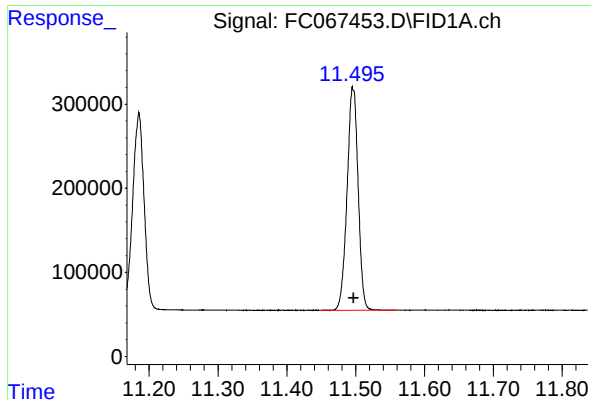
#7 n-Hexadecane (C16)

R.T.: 9.745 min  
Delta R.T.: 0.000 min  
Response: 2718387  
Conc: 20.42 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.185 min  
Delta R.T.: -0.001 min  
Response: 2720097  
Conc: 20.06 ug/ml



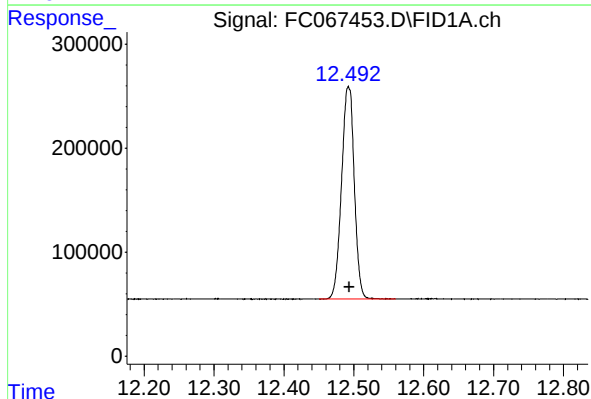
#9 ortho-Terphenyl (SURR)

R.T.: 11.496 min  
Delta R.T.: 0.000 min  
Response: 2960529  
Conc: 19.46 ug/ml

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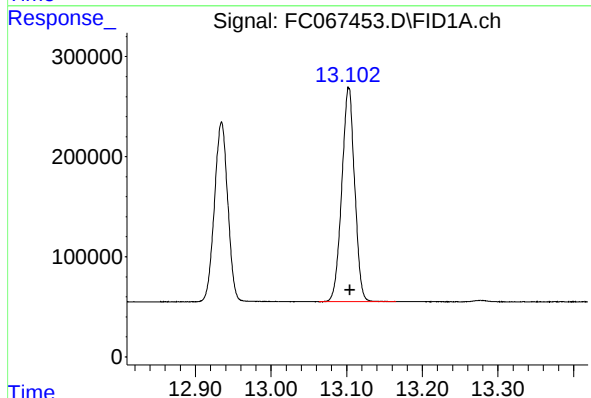
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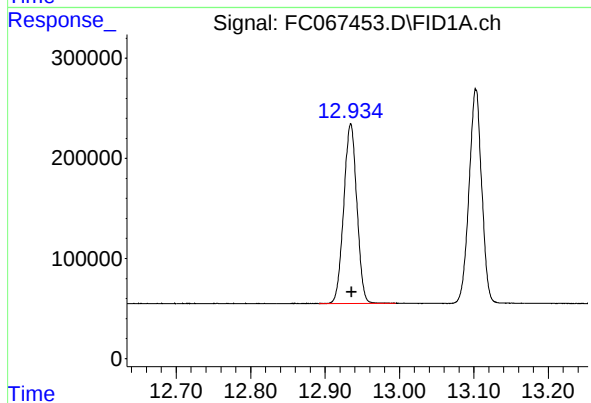
#10 n-Eicosane (C20)

R.T.: 12.492 min  
Delta R.T.: -0.001 min  
Response: 2584334  
Conc: 19.79 ug/ml



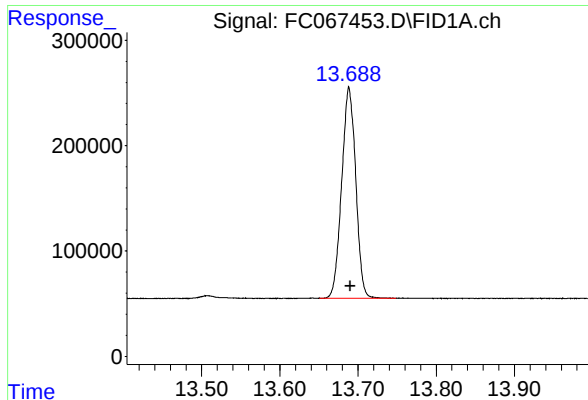
#11 n-Heneicosane (C21)

R.T.: 13.103 min  
Delta R.T.: -0.002 min  
Response: 2526554  
Conc: 19.70 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.934 min  
Delta R.T.: -0.001 min  
Response: 2198884  
Conc: 19.43 ug/ml



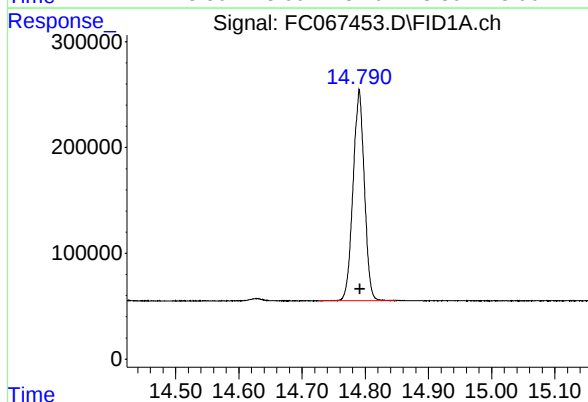
#13 n-Docosane (C22)

R.T.: 13.689 min  
Delta R.T.: -0.002 min  
Response: 2497504  
Conc: 19.56 ug/ml

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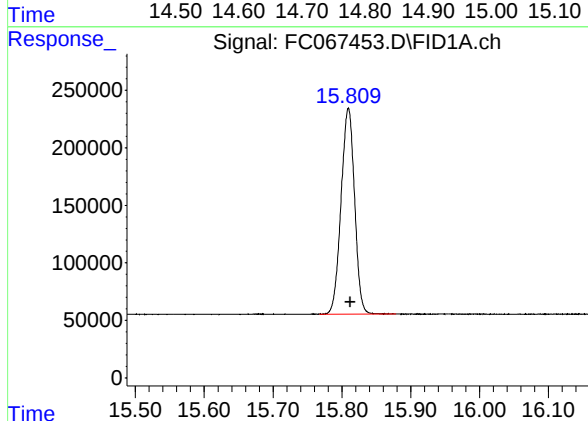
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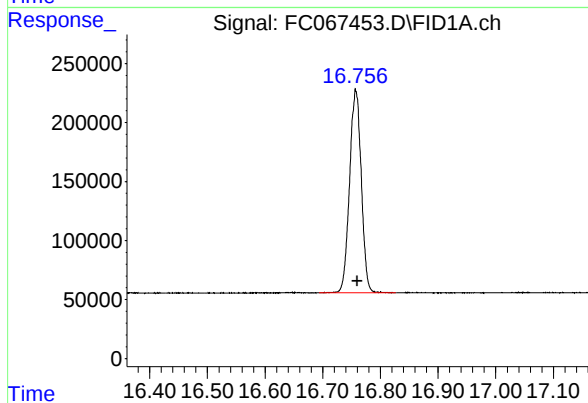
#14 n-Tetracosane (C24)

R.T.: 14.790 min  
Delta R.T.: -0.002 min  
Response: 2481302  
Conc: 19.40 ug/ml



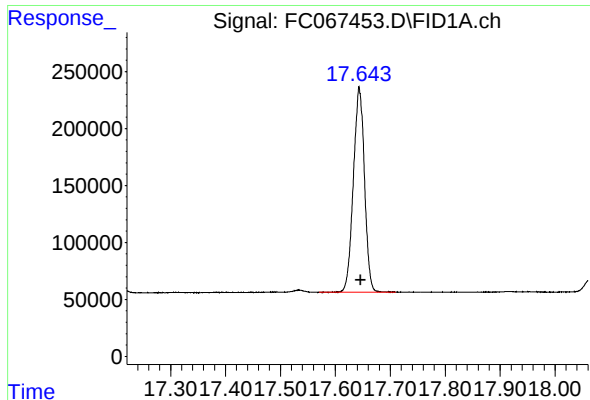
#15 n-Hexacosane (C26)

R.T.: 15.809 min  
Delta R.T.: -0.003 min  
Response: 2441382  
Conc: 19.36 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.757 min  
Delta R.T.: -0.002 min  
Response: 2434406  
Conc: 19.38 ug/ml



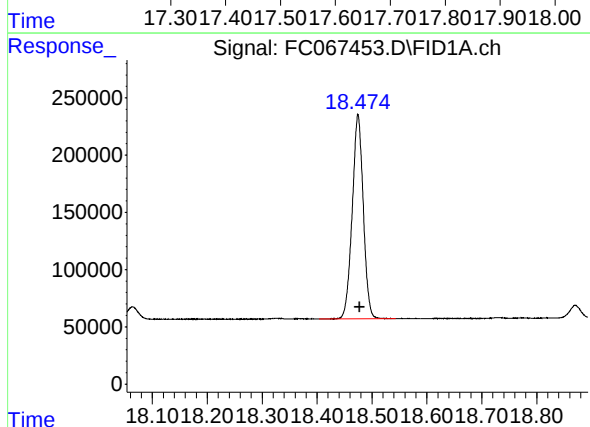
#17 n-Tricontane (C30)

R.T.: 17.644 min  
Delta R.T.: -0.002 min  
Response: 2532980  
Conc: 19.66 ug/ml

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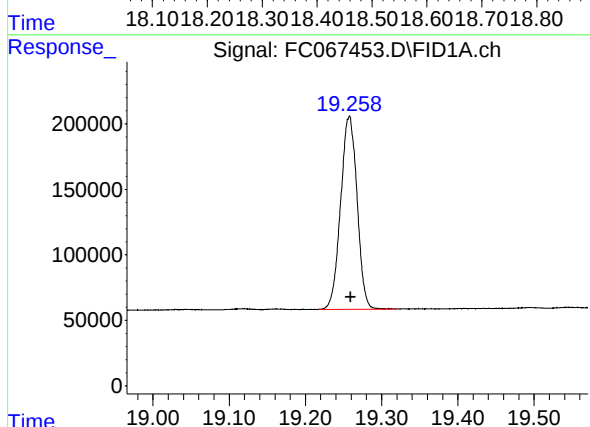
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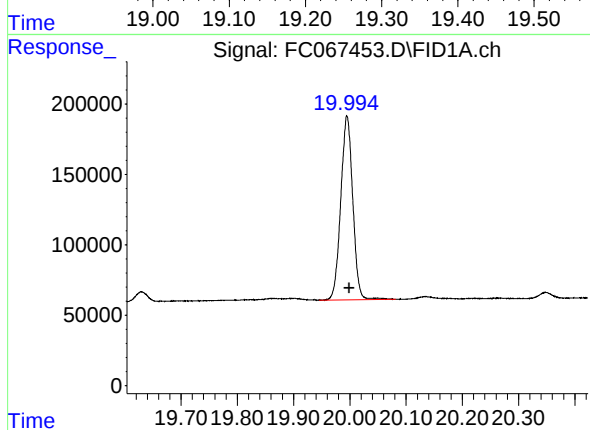
#18 n-Dotriacontane (C32)

R.T.: 18.475 min  
Delta R.T.: -0.003 min  
Response: 2497695  
Conc: 19.99 ug/ml



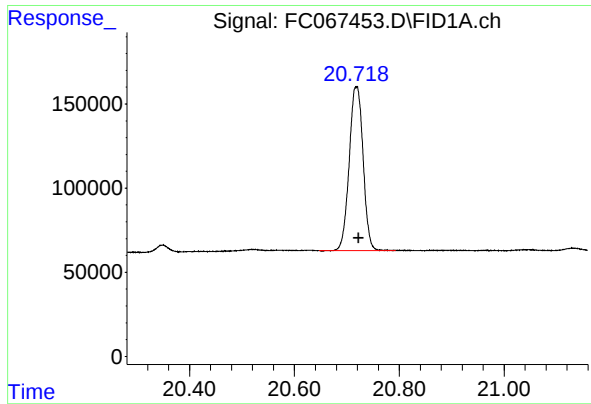
#19 n-Tetratriacontane (C34)

R.T.: 19.258 min  
Delta R.T.: -0.002 min  
Response: 2213568  
Conc: 20.26 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.995 min  
Delta R.T.: -0.004 min  
Response: 1937998  
Conc: 20.50 ug/ml



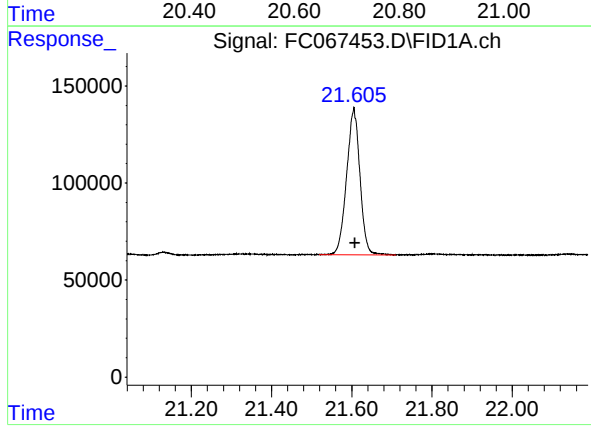
#21 n-Octatriacontane (C38)

R.T.: 20.718 min  
Delta R.T.: -0.005 min  
Response: 1787184  
Conc: 20.38 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.605 min  
Delta R.T.: -0.003 min  
Response: 1740931  
Conc: 20.23 ug/ml