

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC110322AL\  
 Data File : FC062073.D  
 Signal(s) : FID1A.ch  
 Acq On : 03 Nov 2022 14:52  
 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 11/04/2022  
 Supervised By :Ankita Jodhani 11/04/2022

Integration File: autoint1.e  
 Quant Time: Nov 04 04:49:35 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 101722.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Oct 17 23:26:31 2022  
 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)    | 11.595 | 2548598    | 17.146 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 34.29%        |
| 12) S 1-chlorooctadecane (S... | 13.031 | 1958756    | 16.813 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 33.63%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.348  | 2498775    | 17.764 ug/ml  |
| 2) T n-Decane (C10)            | 4.417  | 2579783    | 18.072 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.005  | 2654804    | 17.199 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.439  | 2593455    | 17.865 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.064  | 2585604    | 17.045 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.237  | 2559462    | 17.607 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.838  | 2540263    | 17.444 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.281 | 2499007    | 17.289 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.587 | 2413154    | 17.098 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.199 | 2372296    | 17.097 ug/ml  |
| 13) T n-Docosane (C22)         | 13.784 | 2353434    | 17.167 ug/mlm |
| 14) T n-Tetracosane (C24)      | 14.885 | 2276924    | 17.232 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.906 | 2276316    | 18.065 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.853 | 2325440    | 19.281 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.740 | 2589580    | 21.764 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.571 | 2678877    | 22.737 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.352 | 2449040    | 21.678 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.091 | 2283257    | 20.133 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.830 | 2138266    | 19.004 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.747 | 1976210    | 17.603 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 : 2 Sample Multiplier: 1

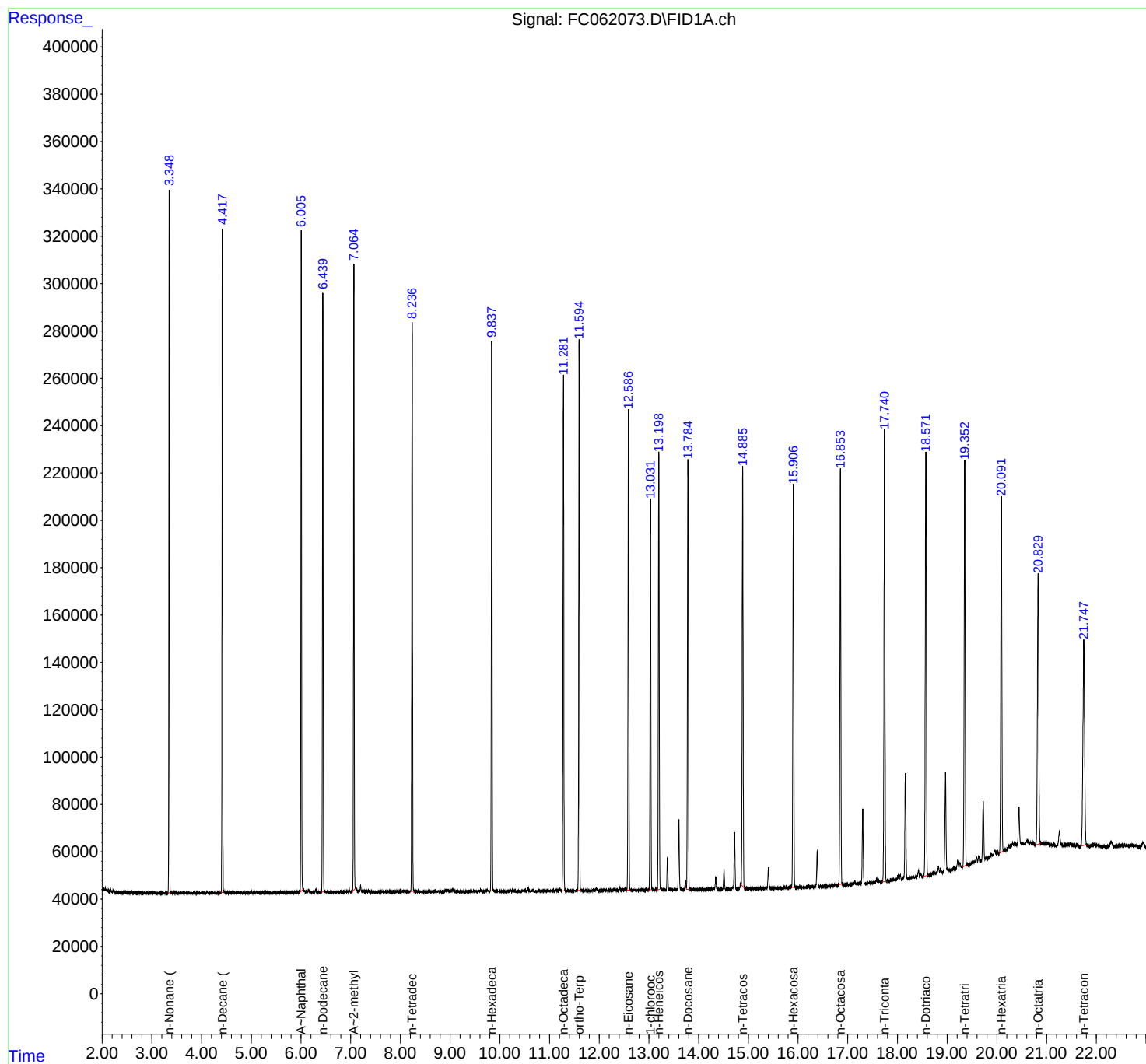
Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

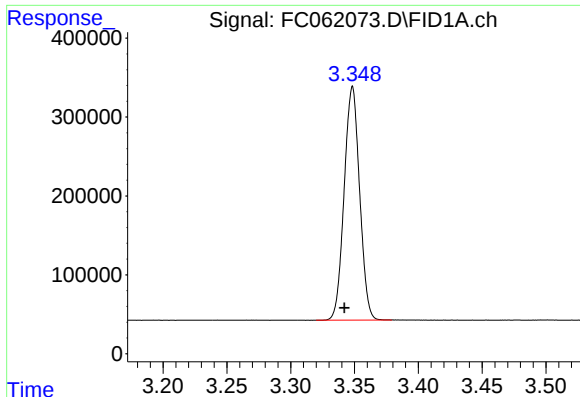
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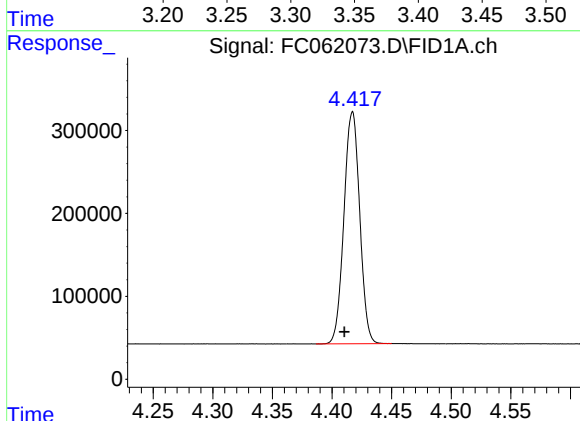
#1 n-Nonane (C9)

R.T.: 3.348 min  
Delta R.T.: 0.006 min  
Response: 2498775  
Conc: 17.76 ug/ml

Instrument :  
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ClientSampleId :  
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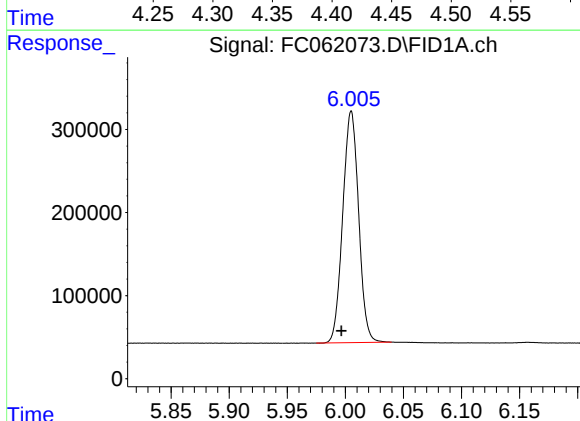
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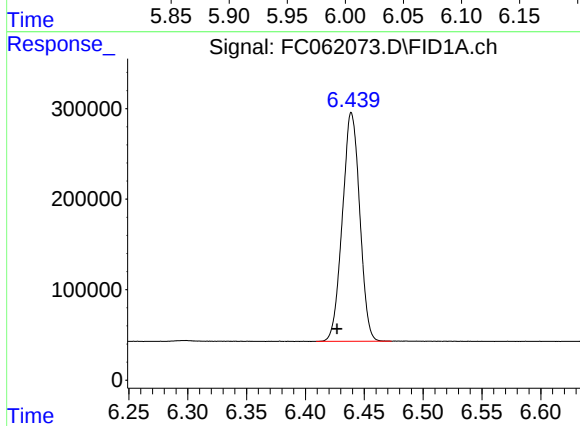
#2 n-Decane (C10)

R.T.: 4.417 min  
Delta R.T.: 0.007 min  
Response: 2579783  
Conc: 18.07 ug/ml



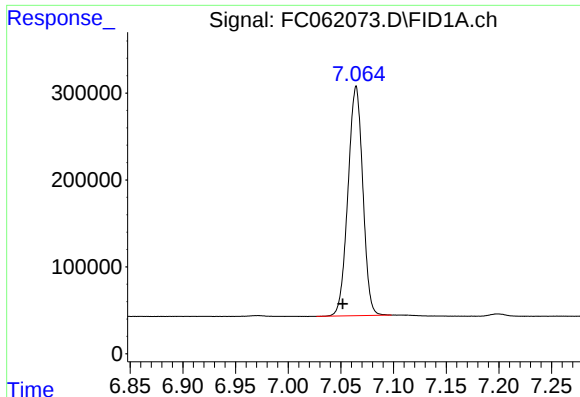
#3 A~Naphthalene (C11.7)

R.T.: 6.005 min  
Delta R.T.: 0.009 min  
Response: 2654804  
Conc: 17.20 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.439 min  
Delta R.T.: 0.012 min  
Response: 2593455  
Conc: 17.86 ug/ml



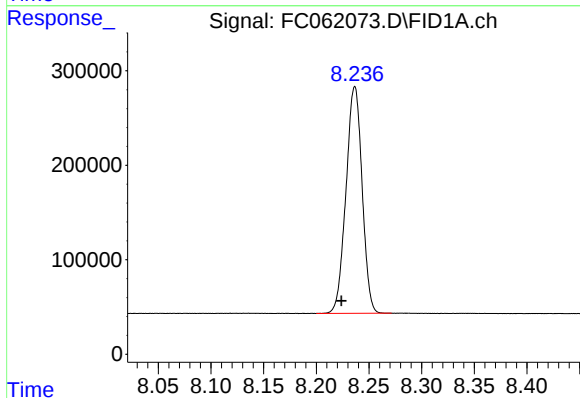
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.064 min  
Delta R.T.: 0.013 min  
Response: 2585604  
Conc: 17.04 ug/ml

Instrument :  
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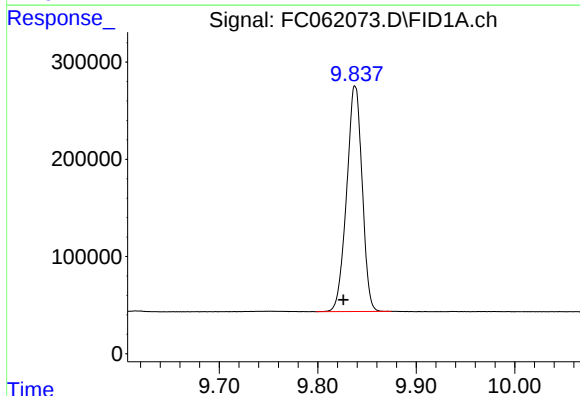
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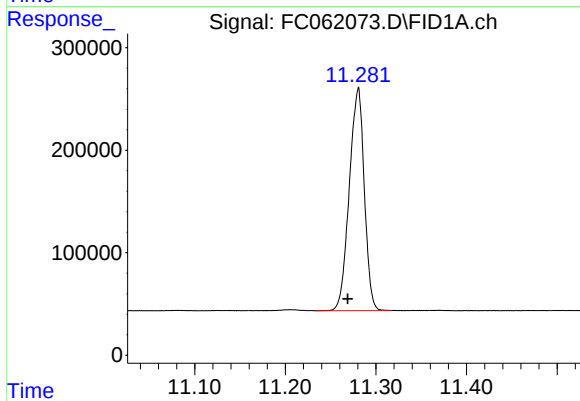
#6 n-Tetradecane (C14)

R.T.: 8.237 min  
Delta R.T.: 0.013 min  
Response: 2559462  
Conc: 17.61 ug/ml



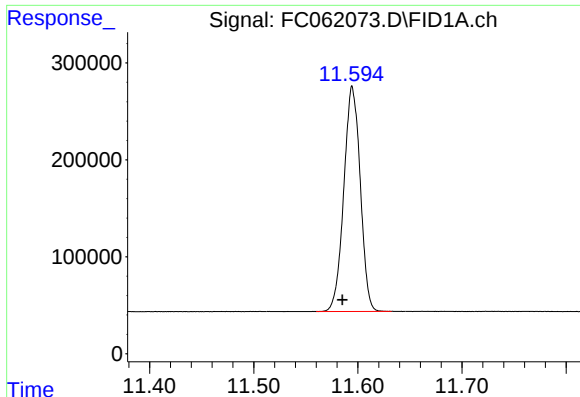
#7 n-Hexadecane (C16)

R.T.: 9.838 min  
Delta R.T.: 0.012 min  
Response: 2540263  
Conc: 17.44 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.281 min  
Delta R.T.: 0.012 min  
Response: 2499007  
Conc: 17.29 ug/ml



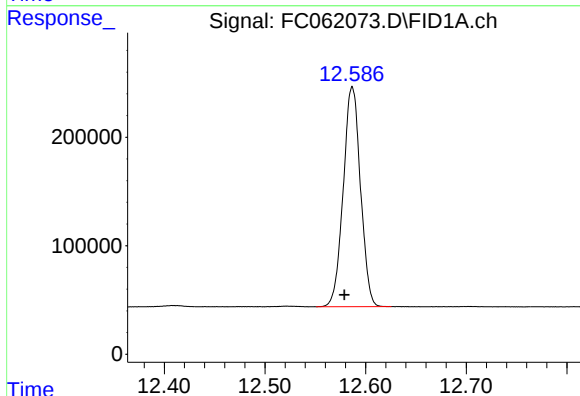
#9 ortho-Terphenyl (SURR)

R.T.: 11.595 min  
Delta R.T.: 0.009 min  
Response: 2548598  
Conc: 17.15 ug/ml

Instrument :  
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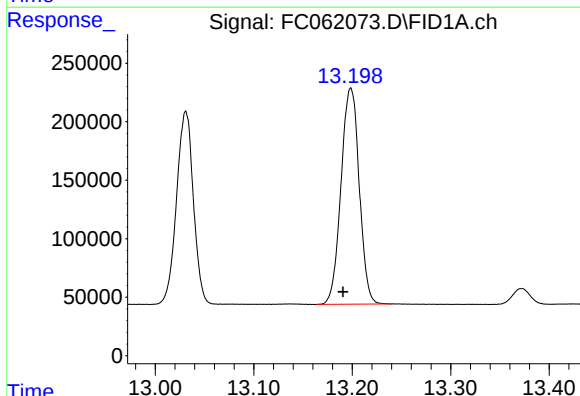
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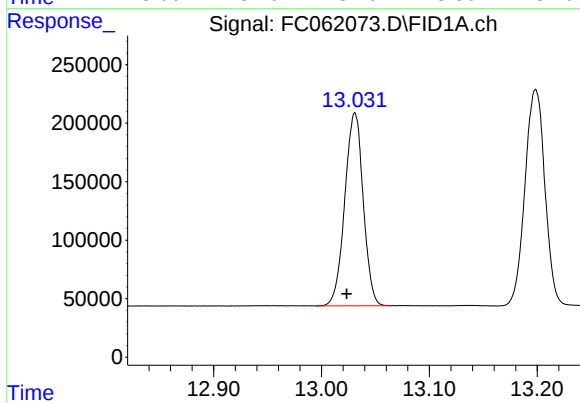
#10 n-Eicosane (C20)

R.T.: 12.587 min  
Delta R.T.: 0.008 min  
Response: 2413154  
Conc: 17.10 ug/ml



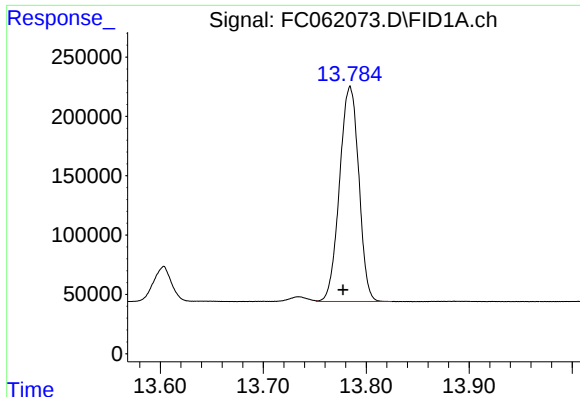
#11 n-Heneicosane (C21)

R.T.: 13.199 min  
Delta R.T.: 0.008 min  
Response: 2372296  
Conc: 17.10 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.031 min  
Delta R.T.: 0.008 min  
Response: 1958756  
Conc: 16.81 ug/ml



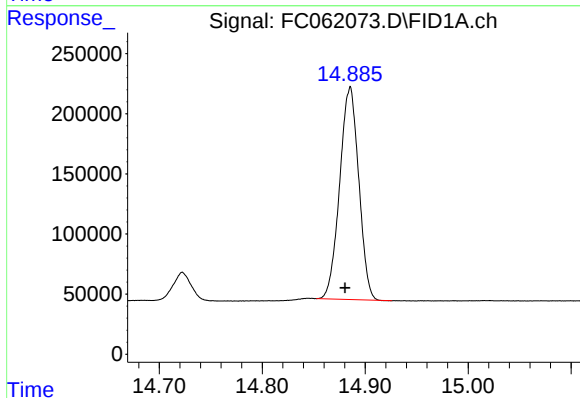
#13 n-Docosane (C22)

R.T.: 13.784 min  
Delta R.T.: 0.007 min  
Response: 2353434  
Conc: 17.17 ug/ml

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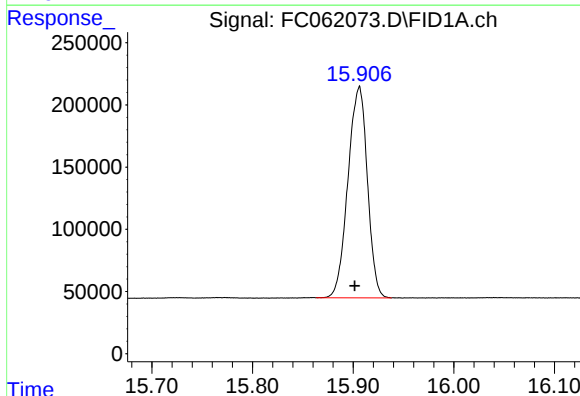
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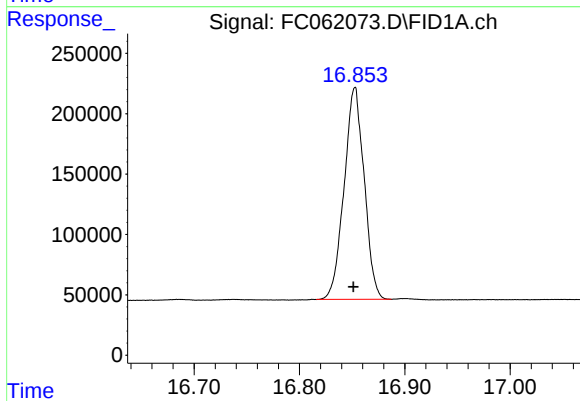
#14 n-Tetracosane (C24)

R.T.: 14.885 min  
Delta R.T.: 0.005 min  
Response: 2276924  
Conc: 17.23 ug/ml



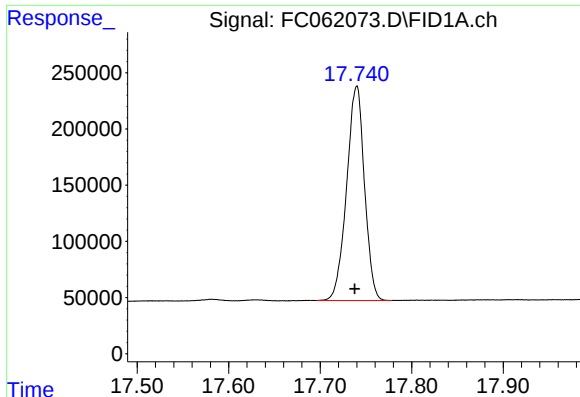
#15 n-Hexacosane (C26)

R.T.: 15.906 min  
Delta R.T.: 0.005 min  
Response: 2276316  
Conc: 18.07 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.853 min  
Delta R.T.: 0.001 min  
Response: 2325440  
Conc: 19.28 ug/ml



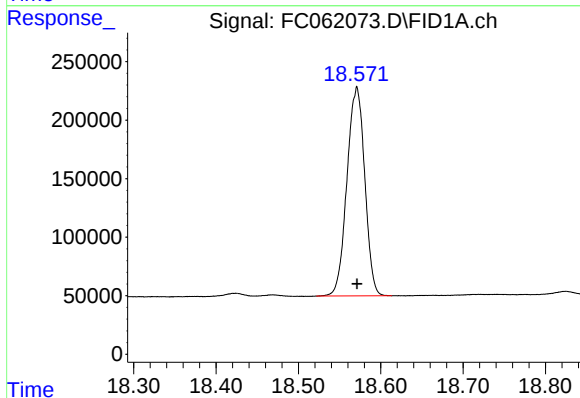
#17 n-Tricontane (C30)

R.T.: 17.740 min  
Delta R.T.: 0.002 min  
Response: 2589580  
Conc: 21.76 ug/ml

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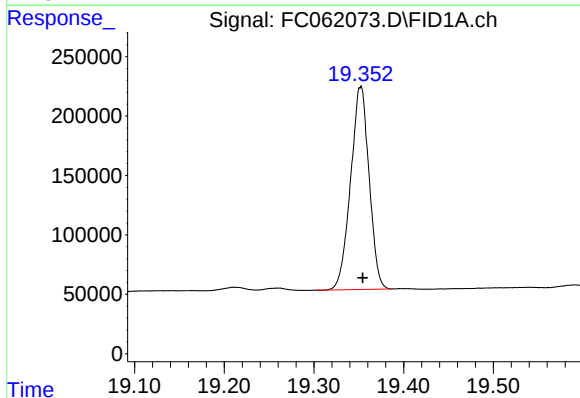
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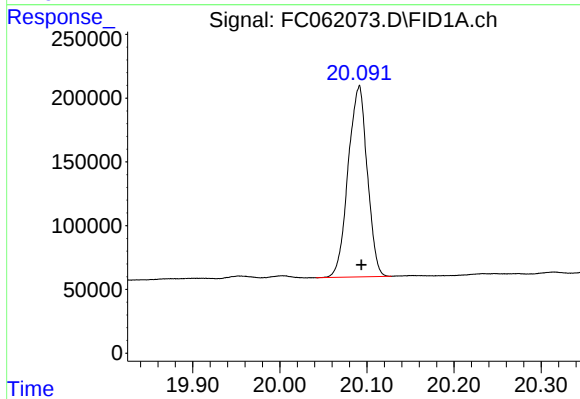
#18 n-Dotriacontane (C32)

R.T.: 18.571 min  
Delta R.T.: 0.000 min  
Response: 2678877  
Conc: 22.74 ug/ml



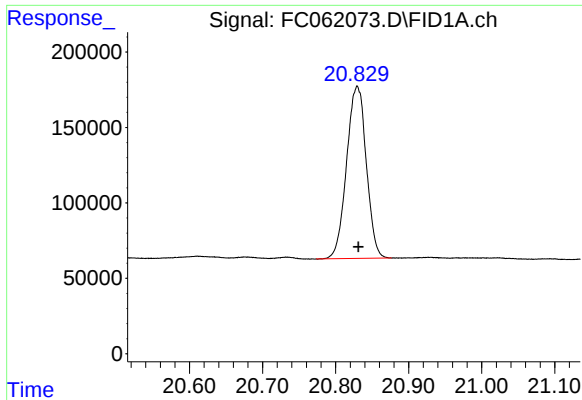
#19 n-Tetratriacontane (C34)

R.T.: 19.352 min  
Delta R.T.: -0.002 min  
Response: 2449040  
Conc: 21.68 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.091 min  
Delta R.T.: -0.002 min  
Response: 2283257  
Conc: 20.13 ug/ml



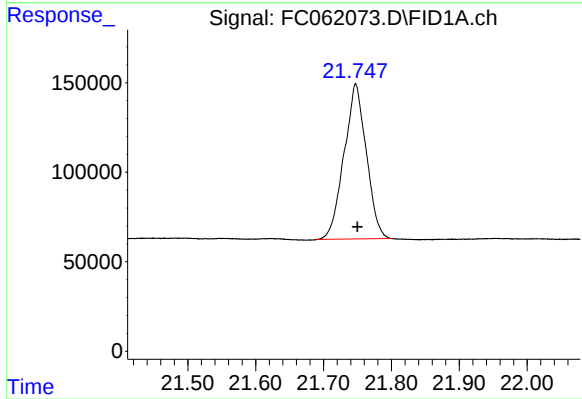
#21 n-Octatriacontane (C38)

R.T.: 20.830 min  
Delta R.T.: -0.002 min  
Response: 2138266  
Conc: 19.00 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.747 min  
Delta R.T.: -0.002 min  
Response: 1976210  
Conc: 17.60 ug/ml