

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC071124AL\  
 Data File : FC066772.D  
 Signal(s) : FID1A.ch  
 Acq On : 12 Jul 2024 01:43  
 Operator : YP/AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/12/2024  
 Supervised By :Ankita Jodhani 07/12/2024

Integration File: autoint1.e  
 Quant Time: Jul 12 04:37:08 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 061724.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Jun 17 13:44:39 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)    | 11.526 | 3034175    | 17.591 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 35.18%        |
| 12) S 1-chlorooctadecane (S... | 12.963 | 2295854    | 16.639 ug/mlm |
| Spiked Amount 50.000           |        | Recovery = | 33.28%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.290  | 2765244    | 19.032 ug/ml  |
| 2) T n-Decane (C10)            | 4.356  | 2909938    | 19.509 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.938  | 3142797    | 19.357 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.375  | 2920563    | 19.270 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.994  | 3021467    | 19.019 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.169  | 2857478    | 18.838 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.770  | 2956641    | 18.457 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.211 | 2911451    | 17.547 ug/mlm |
| 10) T n-Eicosane (C20)         | 12.521 | 2768401    | 17.029 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.132 | 2699574    | 16.755 ug/ml  |
| 13) T n-Docosane (C22)         | 13.718 | 2692500    | 16.794 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.821 | 2697931    | 16.999 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.841 | 2735863    | 17.917 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.790 | 2764057    | 19.162 ug/mlm |
| 17) T n-Tricontane (C30)       | 17.678 | 3113428    | 22.284 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.511 | 3111857    | 23.580 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.293 | 2927977    | 23.675 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 20.034 | 3102076    | 25.739 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 20.762 | 2602827    | 22.762 ug/mlm |
| 22) T n-Tetracontane (C40)     | 21.660 | 2501990    | 22.277 ug/mlm |
| -----                          |        |            |               |

(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 : 6 Sample Multiplier: 1

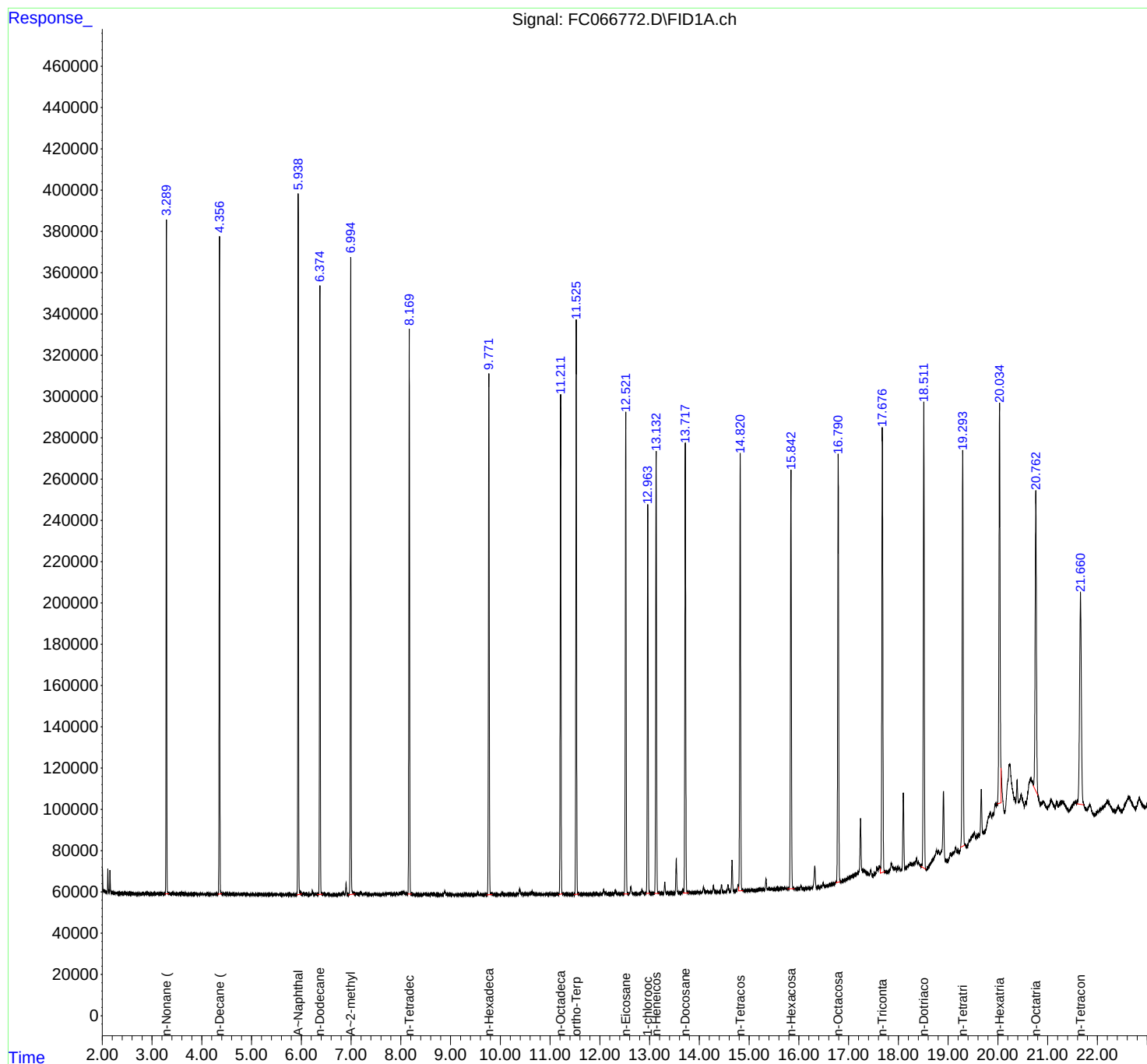
Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

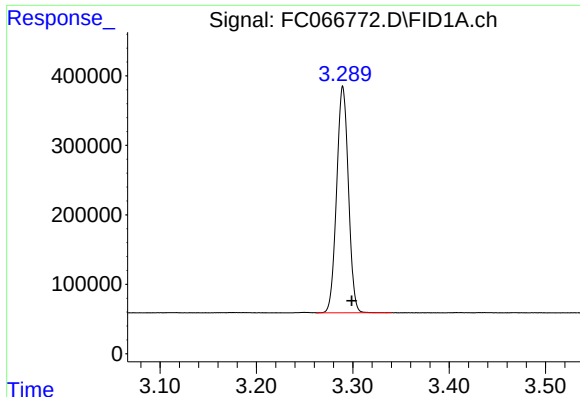
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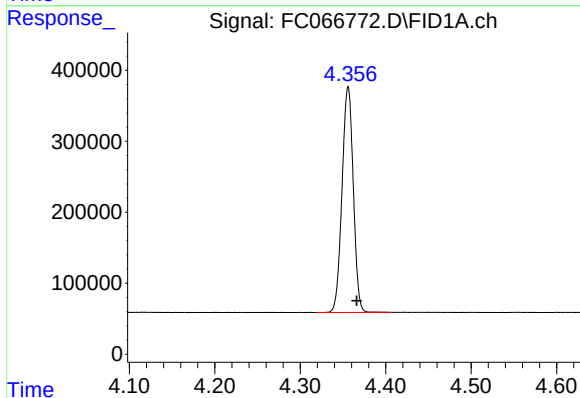
#1 n-Nonane (C9)

R.T.: 3.290 min  
Delta R.T.: -0.009 min  
Response: 2765244  
Conc: 19.03 ug/ml

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

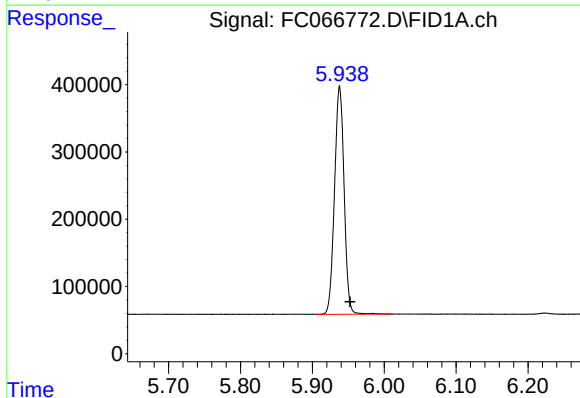
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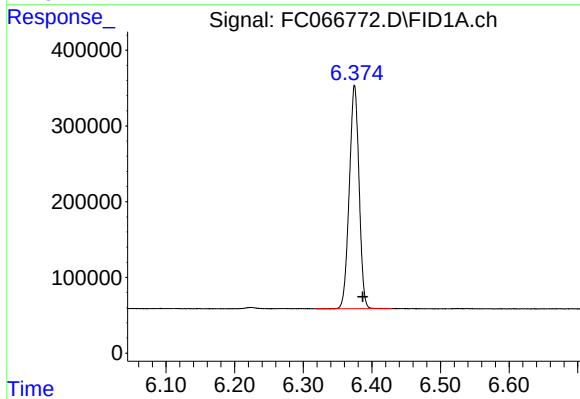
#2 n-Decane (C10)

R.T.: 4.356 min  
Delta R.T.: -0.010 min  
Response: 2909938  
Conc: 19.51 ug/ml



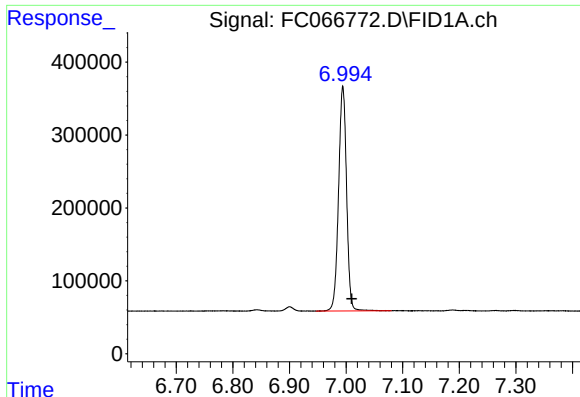
#3 A~Naphthalene (C11.7)

R.T.: 5.938 min  
Delta R.T.: -0.015 min  
Response: 3142797  
Conc: 19.36 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.375 min  
Delta R.T.: -0.012 min  
Response: 2920563  
Conc: 19.27 ug/ml



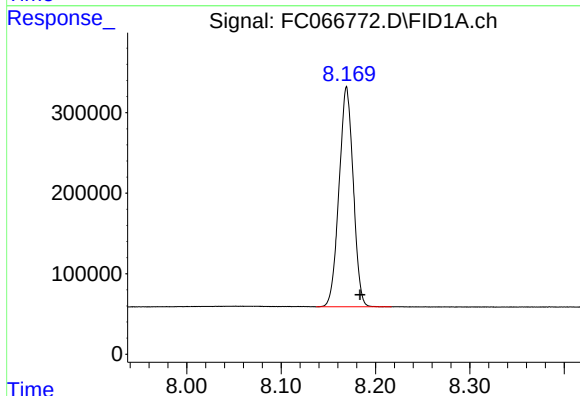
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.994 min  
Delta R.T.: -0.016 min  
Response: 3021467  
Conc: 19.02 ug/ml

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

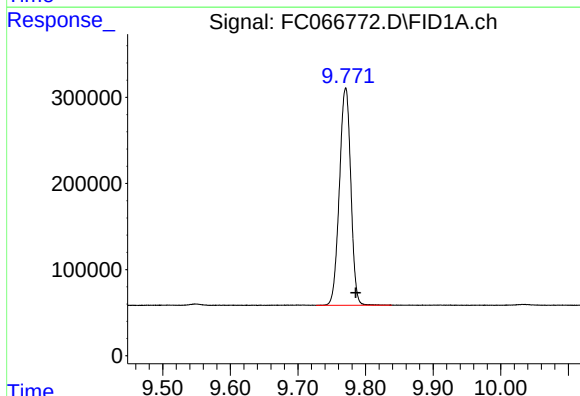
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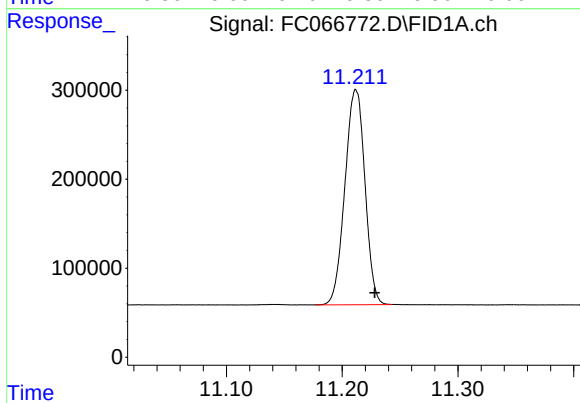
#6 n-Tetradecane (C14)

R.T.: 8.169 min  
Delta R.T.: -0.014 min  
Response: 2857478  
Conc: 18.84 ug/ml



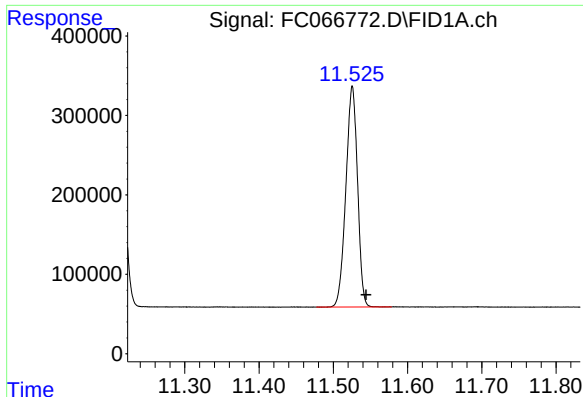
#7 n-Hexadecane (C16)

R.T.: 9.770 min  
Delta R.T.: -0.015 min  
Response: 2956641  
Conc: 18.46 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.211 min  
Delta R.T.: -0.017 min  
Response: 2911451  
Conc: 17.55 ug/ml m



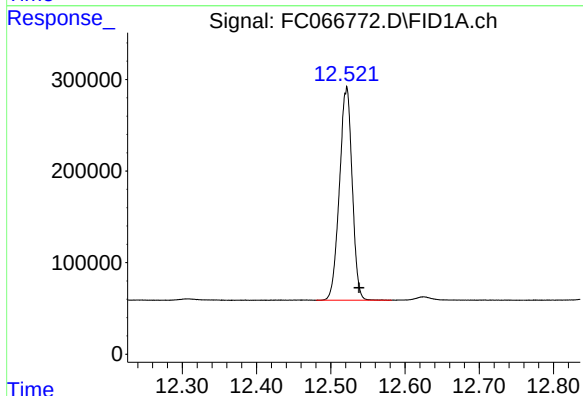
#9 ortho-Terphenyl (SURR)

R.T.: 11.526 min  
Delta R.T.: -0.019 min  
Response: 3034175  
Conc: 17.59 ug/ml

Instrument :  
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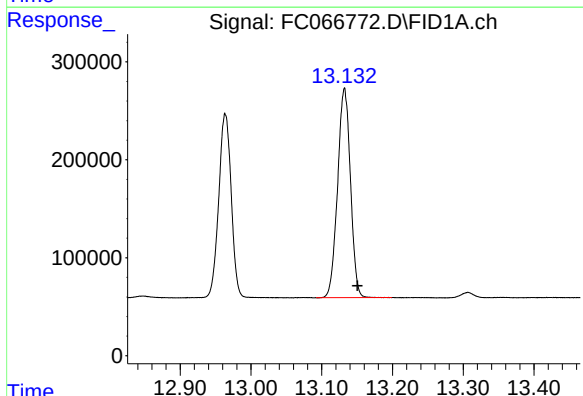
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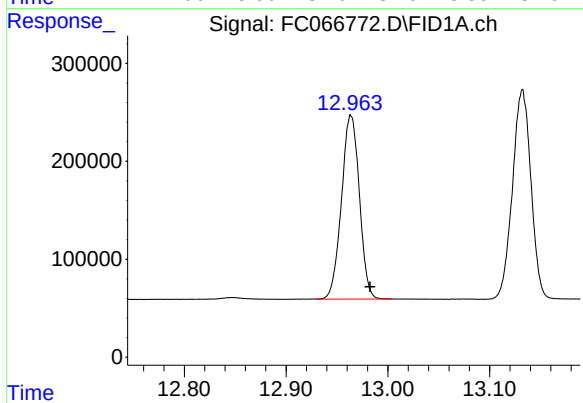
#10 n-Eicosane (C20)

R.T.: 12.521 min  
Delta R.T.: -0.017 min  
Response: 2768401  
Conc: 17.03 ug/ml



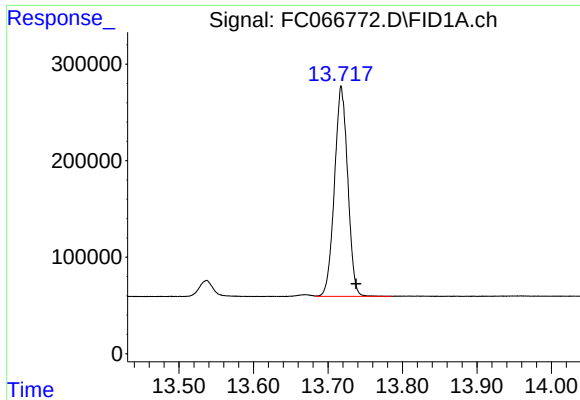
#11 n-Heneicosane (C21)

R.T.: 13.132 min  
Delta R.T.: -0.019 min  
Response: 2699574  
Conc: 16.75 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.963 min  
Delta R.T.: -0.020 min  
Response: 2295854  
Conc: 16.64 ug/ml m



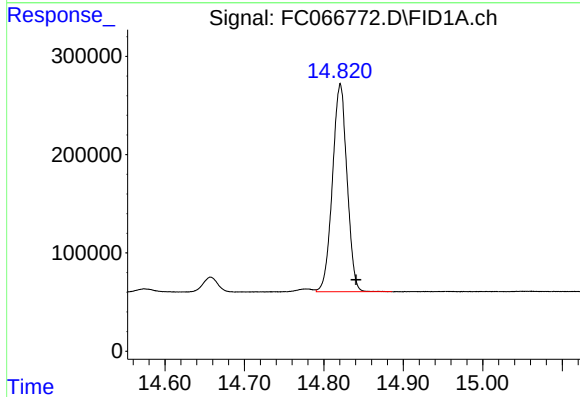
#13 n-Docosane (C22)

R.T.: 13.718 min  
Delta R.T.: -0.020 min  
Response: 2692500  
Conc: 16.79 ug/ml

Instrument :  
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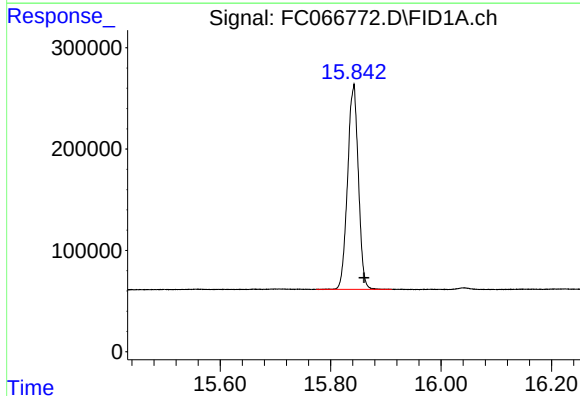
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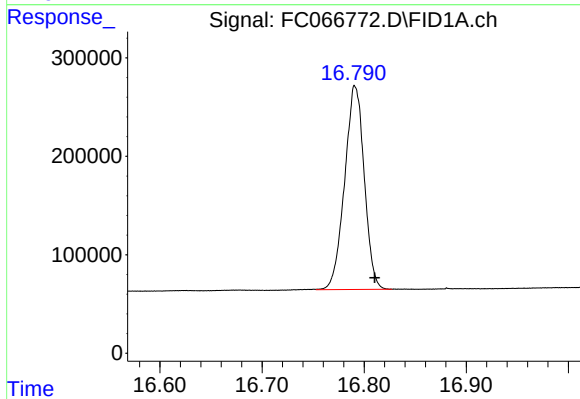
#14 n-Tetracosane (C24)

R.T.: 14.821 min  
Delta R.T.: -0.020 min  
Response: 2697931  
Conc: 17.00 ug/ml



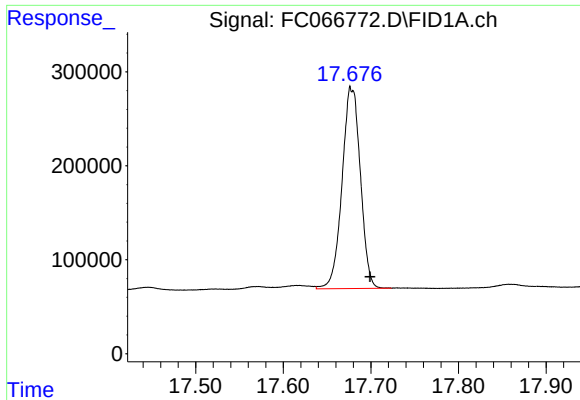
#15 n-Hexacosane (C26)

R.T.: 15.841 min  
Delta R.T.: -0.020 min  
Response: 2735863  
Conc: 17.92 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.790 min  
Delta R.T.: -0.020 min  
Response: 2764057  
Conc: 19.16 ug/ml m



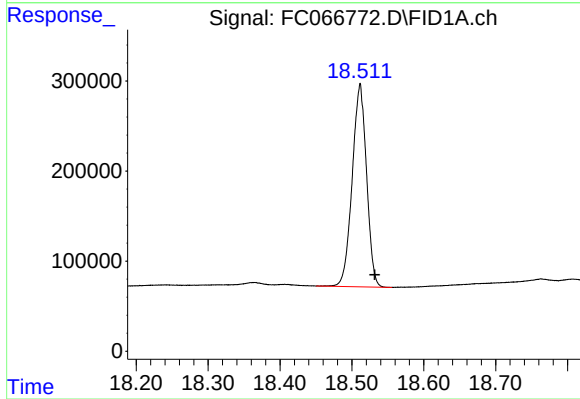
#17 n-Tricontane (C30)

R.T.: 17.678 min  
Delta R.T.: -0.021 min  
Response: 3113428  
Conc: 22.28 ug/ml

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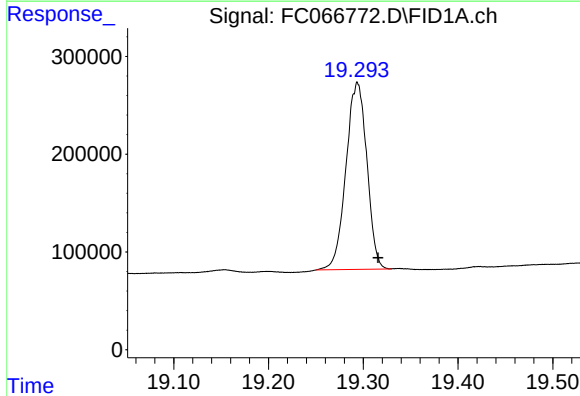
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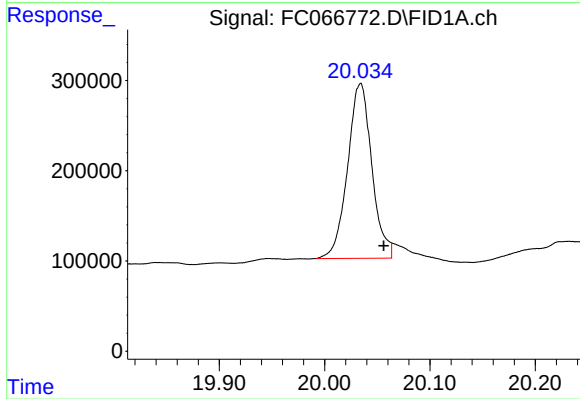
#18 n-Dotriacontane (C32)

R.T.: 18.511 min  
Delta R.T.: -0.021 min  
Response: 3111857  
Conc: 23.58 ug/ml



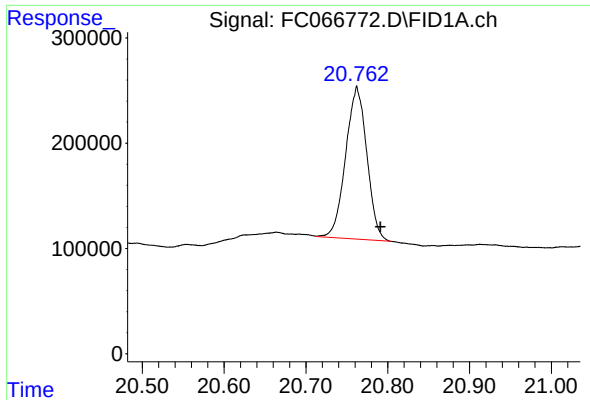
#19 n-Tetratriacontane (C34)

R.T.: 19.293 min  
Delta R.T.: -0.022 min  
Response: 2927977  
Conc: 23.67 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.034 min  
Delta R.T.: -0.022 min  
Response: 3102076  
Conc: 25.74 ug/ml m



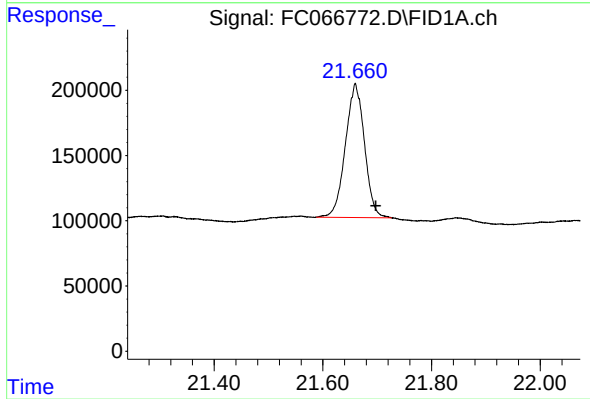
#21 n-Octatriacontane (C38)

R.T.: 20.762 min  
Delta R.T.: -0.029 min  
Response: 2602827  
Conc: 22.76 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.660 min  
Delta R.T.: -0.038 min  
Response: 2501990  
Conc: 22.28 ug/ml m