

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC022724AL\  
 Data File : FC065909.D  
 Signal(s) : FID1A.ch  
 Acq On : 28 Feb 2024 03:48  
 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 02/28/2024  
 Supervised By :Ankita Jodhani 02/28/2024

Integration File: autoint1.e  
 Quant Time: Feb 28 04:26:41 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 020824.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Feb 08 13:26:08 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)    | 11.499 | 3208099    | 18.703 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 37.41%        |
| 12) S 1-chlorooctadecane (S... | 12.929 | 2420242    | 19.231 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 38.46%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.287  | 2695830    | 17.944 ug/ml  |
| 2) T n-Decane (C10)            | 4.350  | 2812773    | 18.500 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.941  | 3037217    | 19.695 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.364  | 2915428    | 19.049 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.998  | 2760149    | 19.383 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.154  | 2821434    | 19.004 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.749  | 2924283    | 19.500 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.183 | 2970063    | 19.255 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.486 | 2889603    | 19.215 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.095 | 2862990    | 19.143 ug/ml  |
| 13) T n-Docosane (C22)         | 13.677 | 2870486    | 19.352 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.775 | 2907282    | 19.553 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.789 | 2897443    | 19.552 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.734 | 2998608    | 20.436 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.617 | 3294660    | 21.947 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.444 | 3363040    | 22.741 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.224 | 3155414    | 21.770 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 19.959 | 2893399    | 20.384 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 20.675 | 2758587    | 19.488 ug/mlm |
| 22) T n-Tetracontane (C40)     | 21.549 | 2650327    | 19.000 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Misc :  
ALS Vial : 2 Sample Multiplier: 1

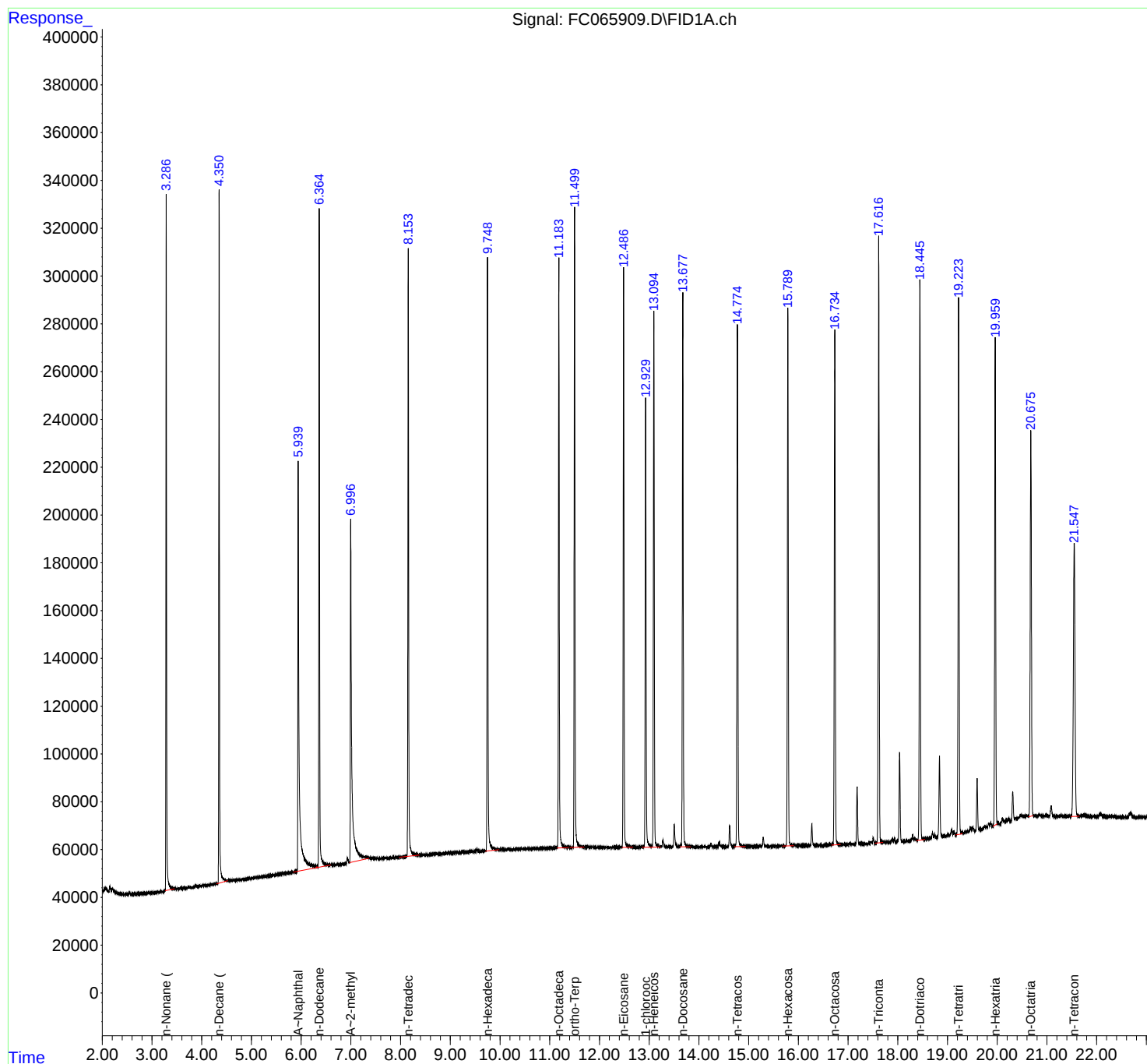
Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

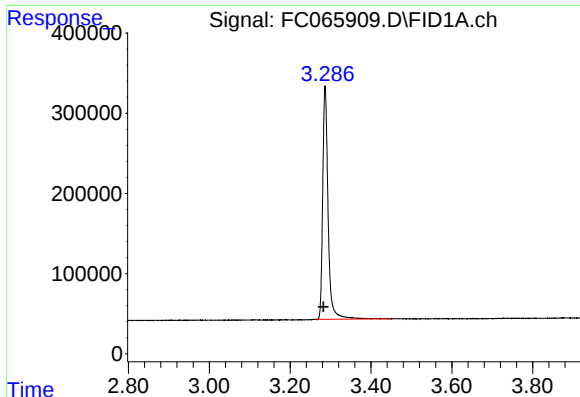
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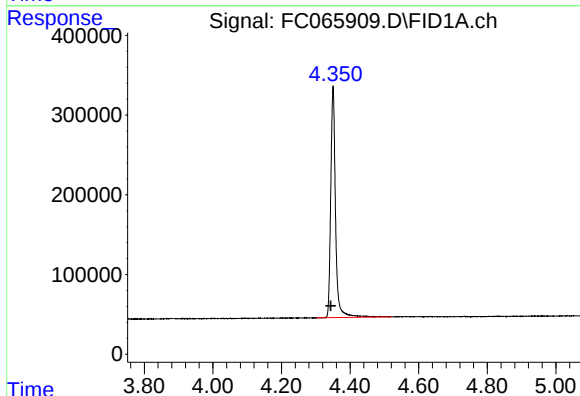
#1 n-Nonane (C9)

R.T.: 3.287 min  
Delta R.T.: 0.005 min  
Response: 2695830  
Conc: 17.94 ug/ml

Instrument :  
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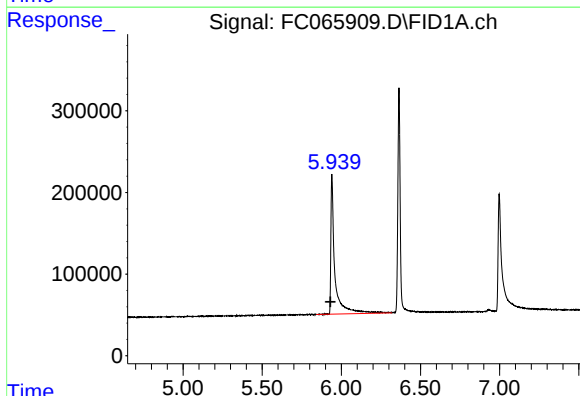
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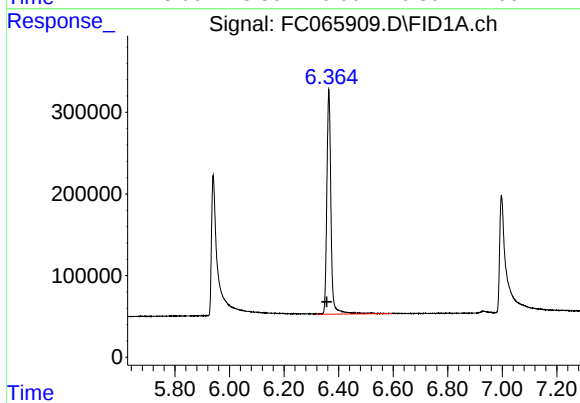
#2 n-Decane (C10)

R.T.: 4.350 min  
Delta R.T.: 0.006 min  
Response: 2812773  
Conc: 18.50 ug/ml



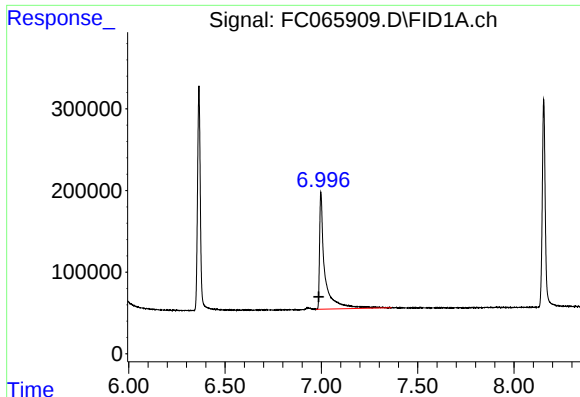
#3 A~Naphthalene (C11.7)

R.T.: 5.941 min  
Delta R.T.: 0.009 min  
Response: 3037217  
Conc: 19.70 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.364 min  
Delta R.T.: 0.007 min  
Response: 2915428  
Conc: 19.05 ug/ml



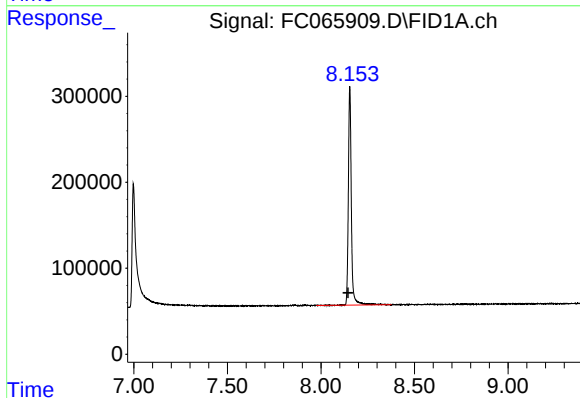
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.998 min  
Delta R.T.: 0.011 min  
Response: 2760149  
Conc: 19.38 ug/ml

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20 PPM ALIPHATIC HC STD

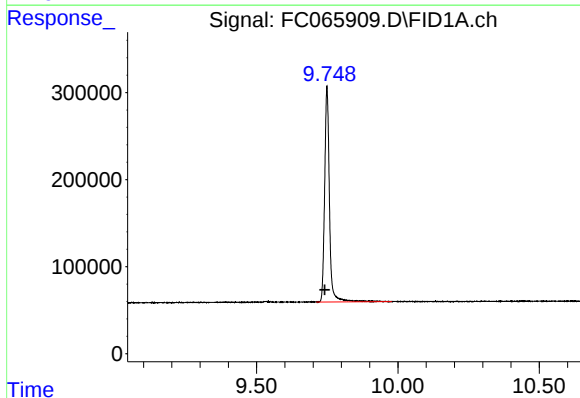
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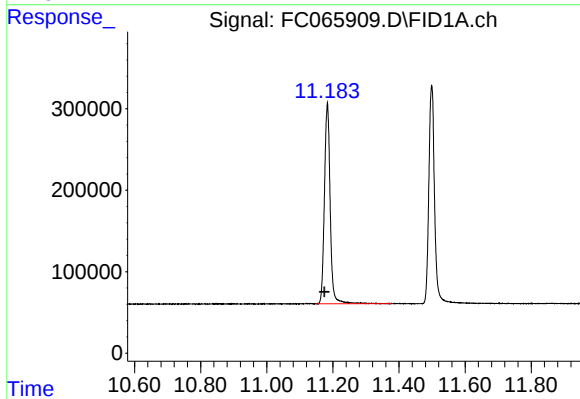
#6 n-Tetradecane (C14)

R.T.: 8.154 min  
Delta R.T.: 0.009 min  
Response: 2821434  
Conc: 19.00 ug/ml



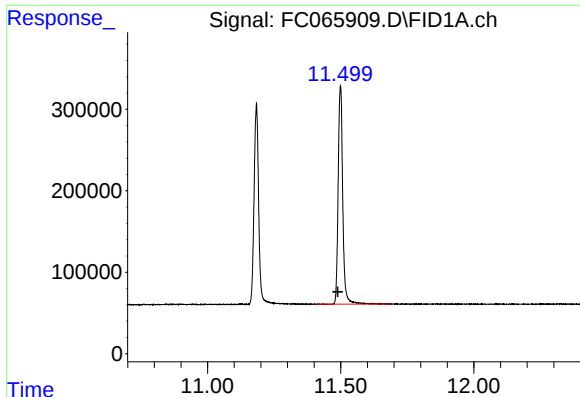
#7 n-Hexadecane (C16)

R.T.: 9.749 min  
Delta R.T.: 0.009 min  
Response: 2924283  
Conc: 19.50 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.183 min  
Delta R.T.: 0.009 min  
Response: 2970063  
Conc: 19.25 ug/ml



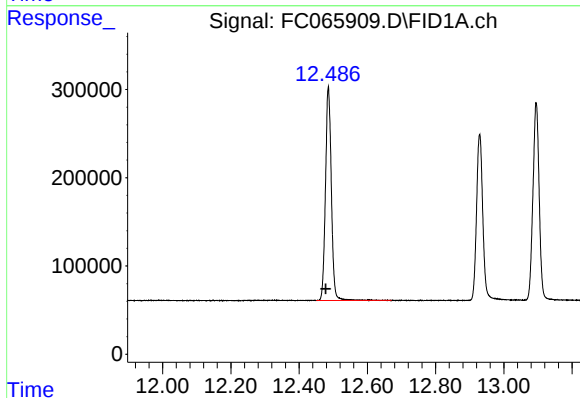
#9 ortho-Terphenyl (SURR)

R.T.: 11.499 min  
Delta R.T.: 0.010 min  
Response: 3208099  
Conc: 18.70 ug/ml

Instrument :  
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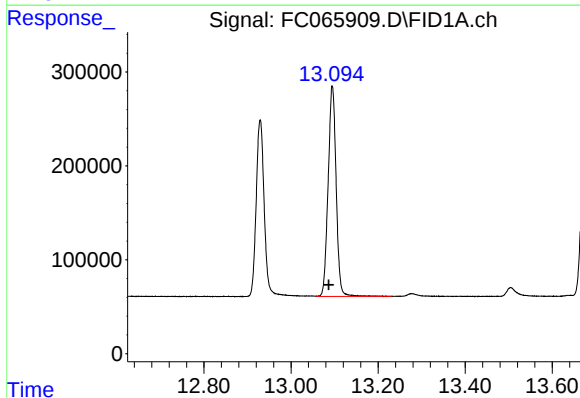
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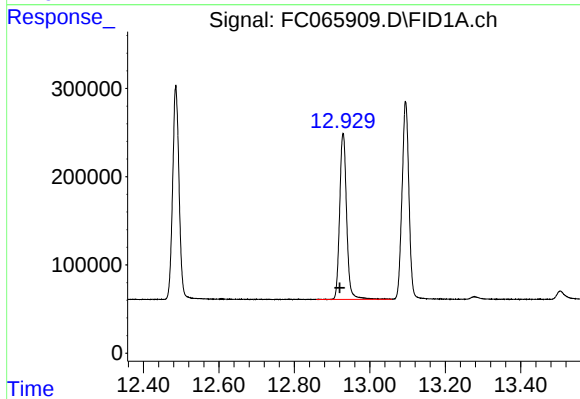
#10 n-Eicosane (C20)

R.T.: 12.486 min  
Delta R.T.: 0.008 min  
Response: 2889603  
Conc: 19.22 ug/ml



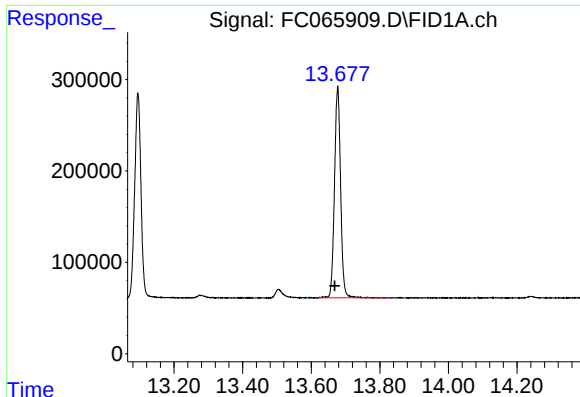
#11 n-Heneicosane (C21)

R.T.: 13.095 min  
Delta R.T.: 0.009 min  
Response: 2862990  
Conc: 19.14 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.929 min  
Delta R.T.: 0.009 min  
Response: 2420242  
Conc: 19.23 ug/ml



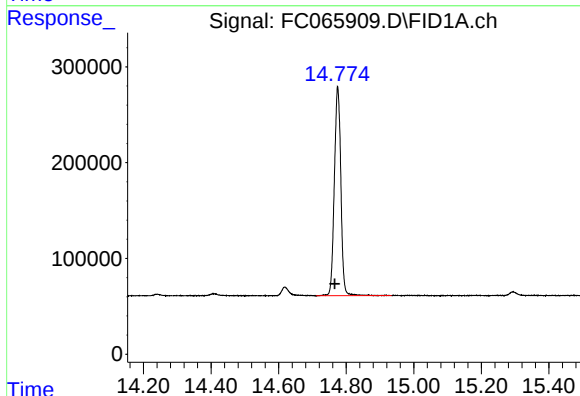
#13 n-Docosane (C22)

R.T.: 13.677 min  
Delta R.T.: 0.008 min  
Response: 2870486  
Conc: 19.35 ug/ml

Instrument :  
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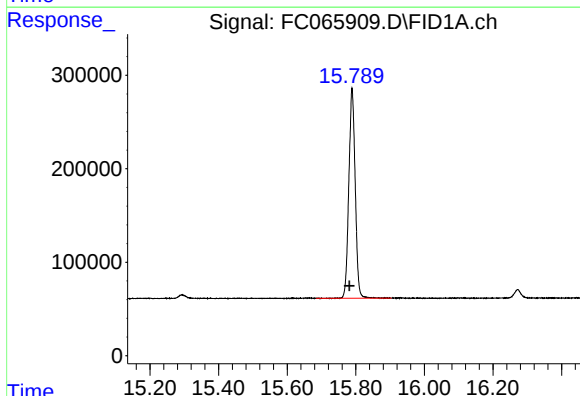
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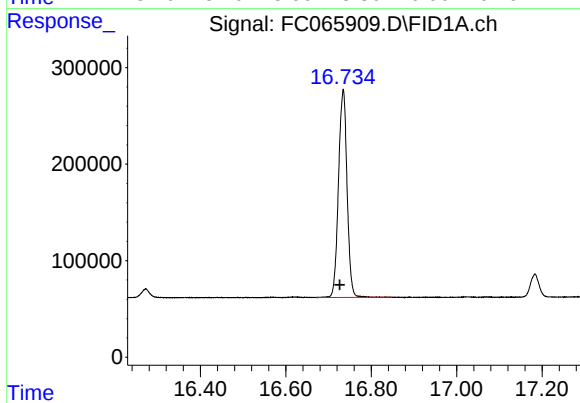
#14 n-Tetracosane (C24)

R.T.: 14.775 min  
Delta R.T.: 0.009 min  
Response: 2907282  
Conc: 19.55 ug/ml



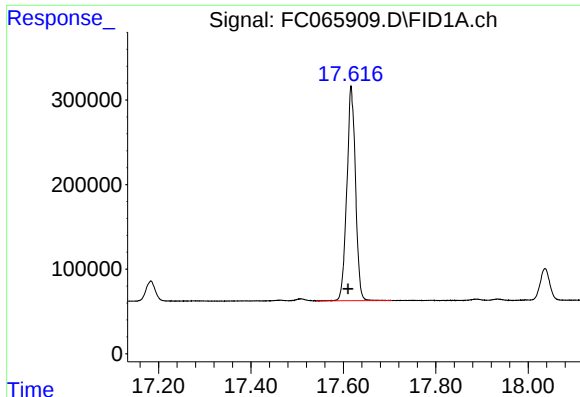
#15 n-Hexacosane (C26)

R.T.: 15.789 min  
Delta R.T.: 0.008 min  
Response: 2897443  
Conc: 19.55 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.734 min  
Delta R.T.: 0.008 min  
Response: 2998608  
Conc: 20.44 ug/ml



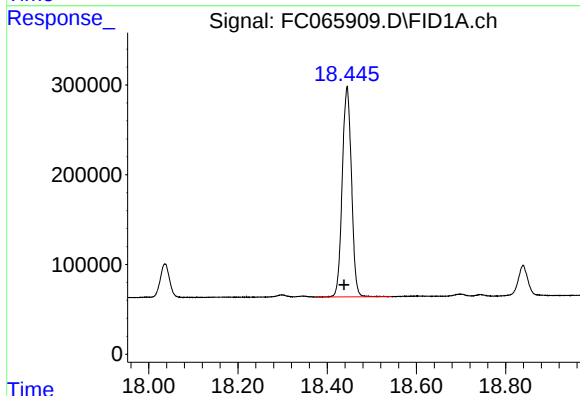
#17 n-Tricontane (C30)

R.T.: 17.617 min  
Delta R.T.: 0.008 min  
Response: 3294660  
Conc: 21.95 ug/ml

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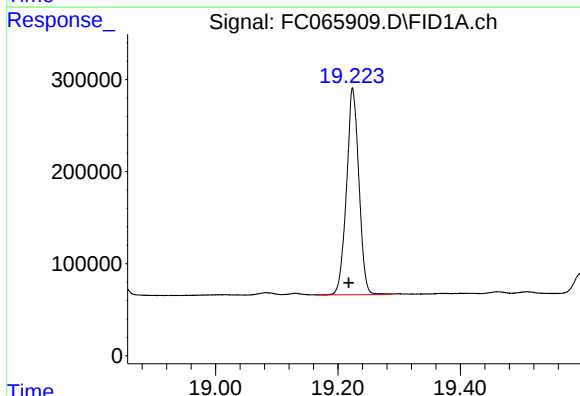
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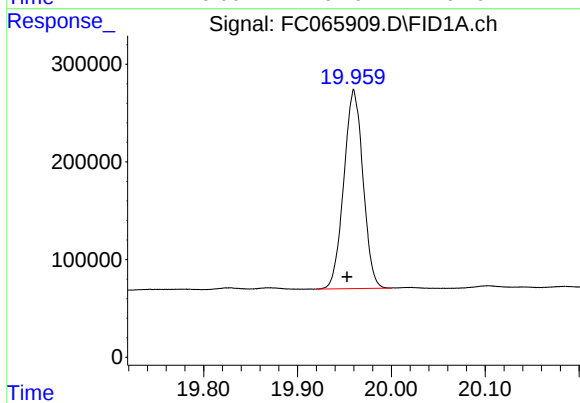
#18 n-Dotriacontane (C32)

R.T.: 18.444 min  
Delta R.T.: 0.006 min  
Response: 3363040  
Conc: 22.74 ug/ml



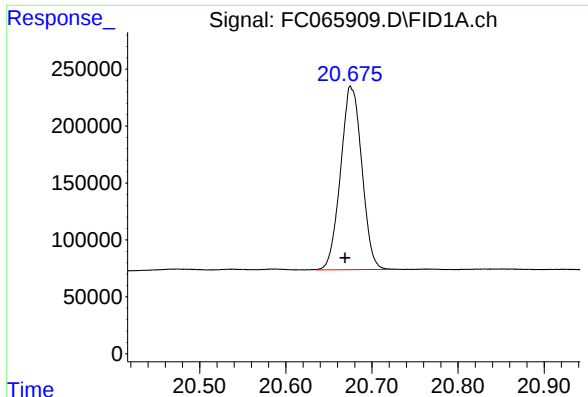
#19 n-Tetratriacontane (C34)

R.T.: 19.224 min  
Delta R.T.: 0.007 min  
Response: 3155414  
Conc: 21.77 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.959 min  
Delta R.T.: 0.007 min  
Response: 2893399  
Conc: 20.38 ug/ml m



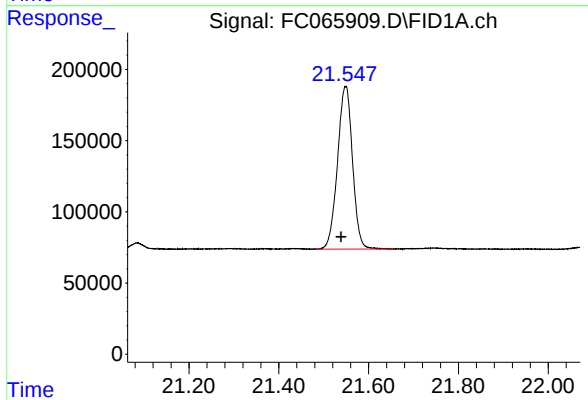
#21 n-Octatriacontane (C38)

R.T.: 20.675 min  
Delta R.T.: 0.006 min  
Response: 2758587  
Conc: 19.49 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.549 min  
Delta R.T.: 0.010 min  
Response: 2650327  
Conc: 19.00 ug/ml