

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE111124AL\  
 Data File : FE051146.D  
 Signal(s) : FID1B.ch  
 Acq On : 11 Nov 2024 14:12  
 Operator : YP\AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/12/2024  
 Supervised By :Ankita Jodhani 11/12/2024

Integration File: autoint1.e  
 Quant Time: Nov 11 20:47:39 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 110724.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Nov 07 04:56:04 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)    | 11.854 | 3170172    | 21.121 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 42.24%        |
| 12) S 1-chlorooctadecane (S... | 13.288 | 2388777    | 21.041 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 42.08%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.240  | 2943371    | 21.272 ug/ml  |
| 2) T n-Decane (C10)            | 4.490  | 3009981    | 21.473 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.204  | 2895277    | 21.959 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.659  | 3039524    | 21.527 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.300  | 2723549    | 21.772 ug/mlm |
| 6) T n-Tetradecane (C14)       | 8.486  | 2961741    | 21.252 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.092 | 3009718    | 21.209 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.533 | 3025469    | 21.186 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.841 | 2875722    | 21.013 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.452 | 2821239    | 21.110 ug/ml  |
| 13) T n-Docosane (C22)         | 14.038 | 2791694    | 20.998 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.139 | 2841572    | 21.420 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.159 | 2848151    | 21.276 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.108 | 2889264    | 21.193 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.995 | 3052477    | 21.010 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.827 | 3043092    | 20.495 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.609 | 2721197    | 20.252 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.349 | 2384123    | 19.981 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.074 | 2093445    | 18.393 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.957 | 1919804    | 17.261 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

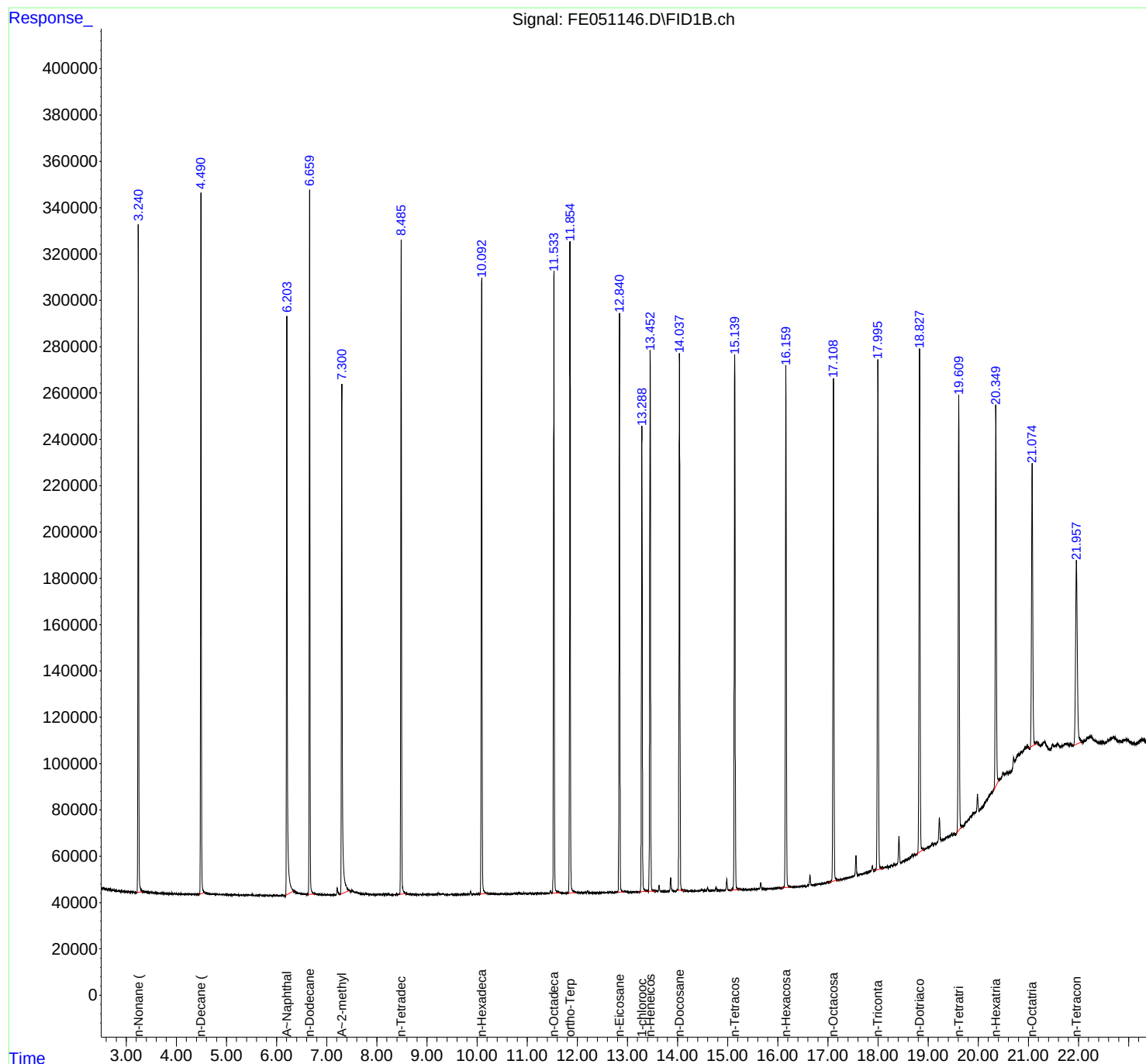
Instrument :  
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ClientSampleId :  
20 PPM ALIPHATIC HC STD

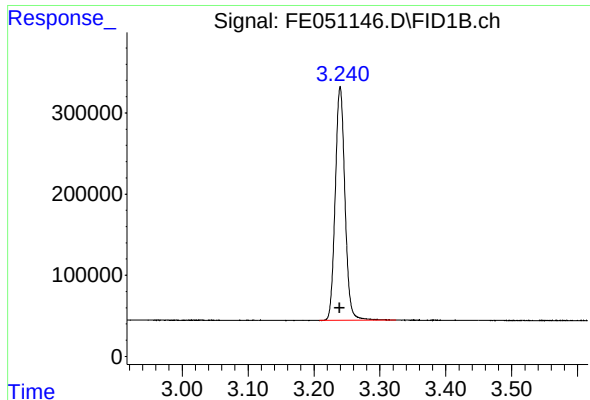
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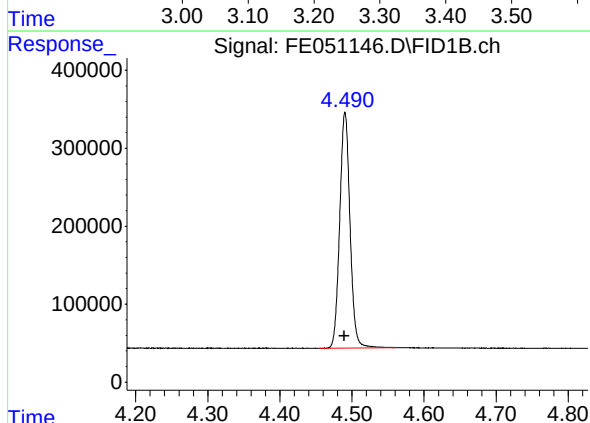
#1 n-Nonane (C9)

R.T.: 3.240 min  
Delta R.T.: 0.000 min  
Response: 2943371  
Conc: 21.27 ug/ml

Instrument :  
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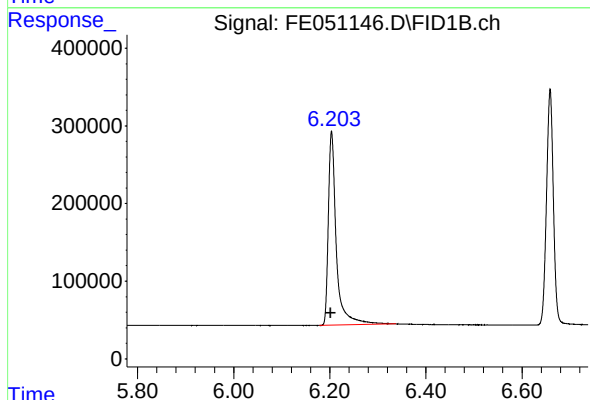
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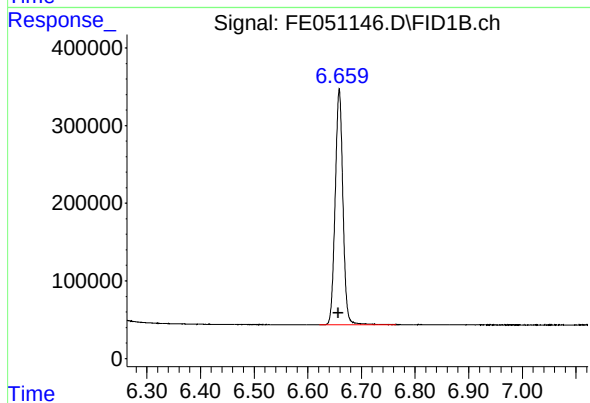
#2 n-Decane (C10)

R.T.: 4.490 min  
Delta R.T.: 0.001 min  
Response: 3009981  
Conc: 21.47 ug/ml



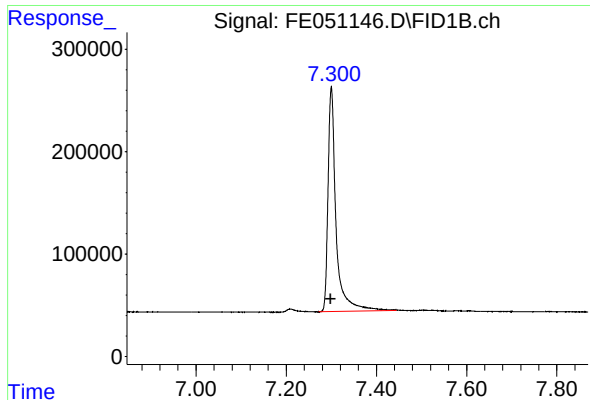
#3 A~Naphthalene (C11.7)

R.T.: 6.204 min  
Delta R.T.: 0.002 min  
Response: 2895277  
Conc: 21.96 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.659 min  
Delta R.T.: 0.001 min  
Response: 3039524  
Conc: 21.53 ug/ml



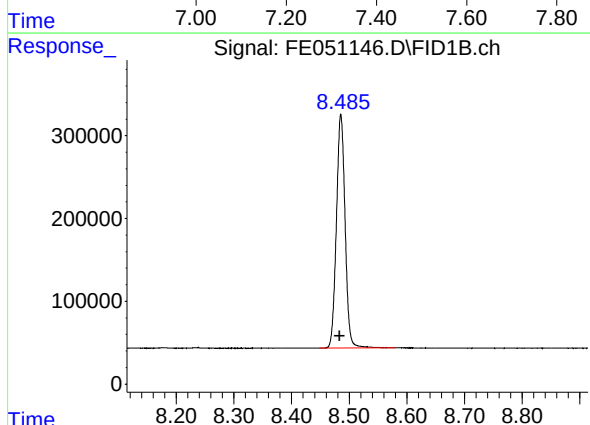
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.300 min  
Delta R.T.: 0.002 min  
Response: 2723549  
Conc: 21.77 ug/ml

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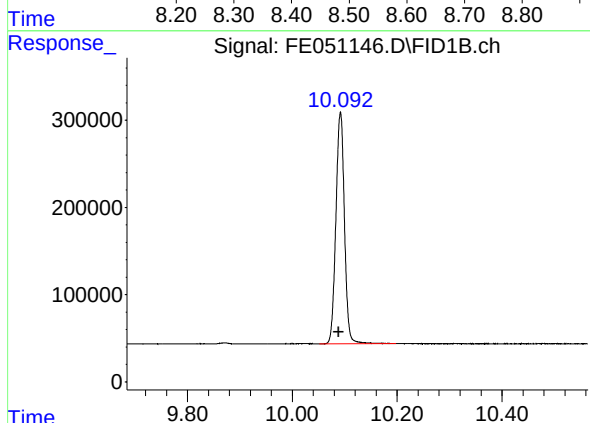
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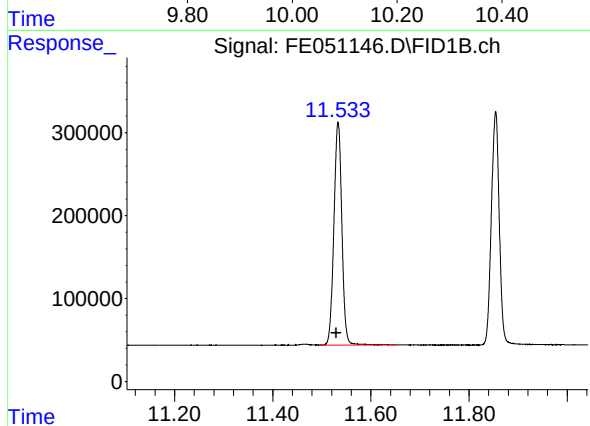
#6 n-Tetradecane (C14)

R.T.: 8.486 min  
Delta R.T.: 0.002 min  
Response: 2961741  
Conc: 21.25 ug/ml



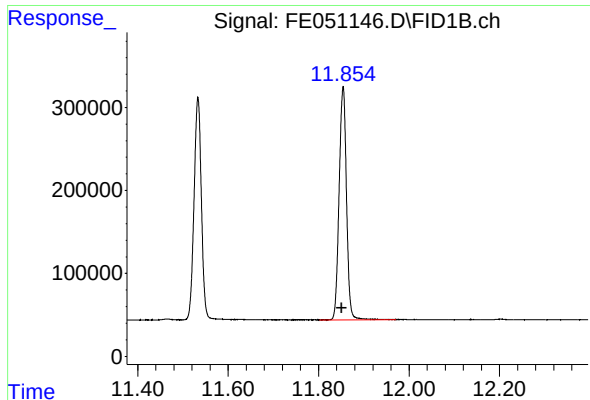
#7 n-Hexadecane (C16)

R.T.: 10.092 min  
Delta R.T.: 0.003 min  
Response: 3009718  
Conc: 21.21 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.533 min  
Delta R.T.: 0.003 min  
Response: 3025469  
Conc: 21.19 ug/ml



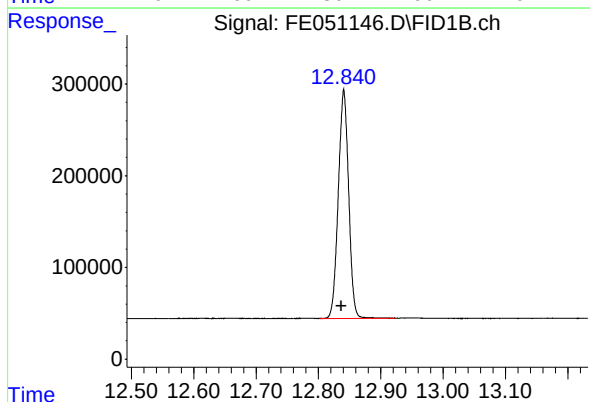
#9 ortho-Terphenyl (SURR)

R.T.: 11.854 min  
Delta R.T.: 0.003 min  
Response: 3170172  
Conc: 21.12 ug/ml

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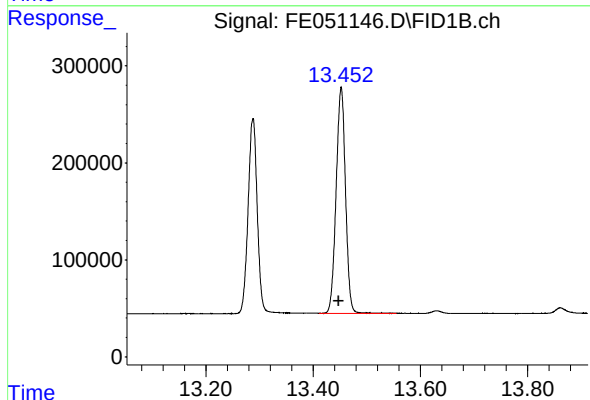
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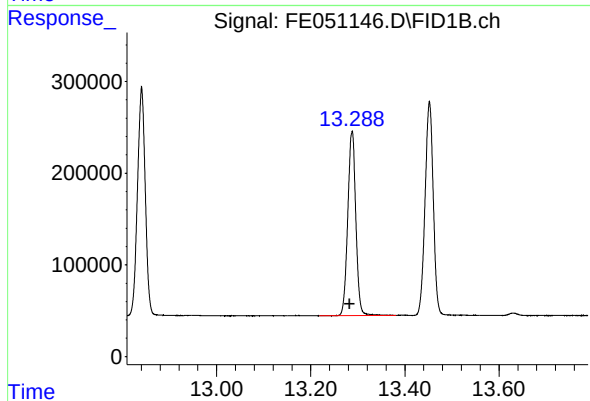
#10 n-Eicosane (C20)

R.T.: 12.841 min  
Delta R.T.: 0.004 min  
Response: 2875722  
Conc: 21.01 ug/ml



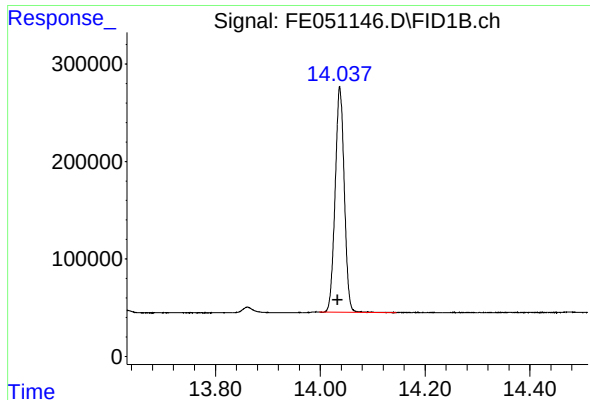
#11 n-Heneicosane (C21)

R.T.: 13.452 min  
Delta R.T.: 0.004 min  
Response: 2821239  
Conc: 21.11 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.288 min  
Delta R.T.: 0.005 min  
Response: 2388777  
Conc: 21.04 ug/ml



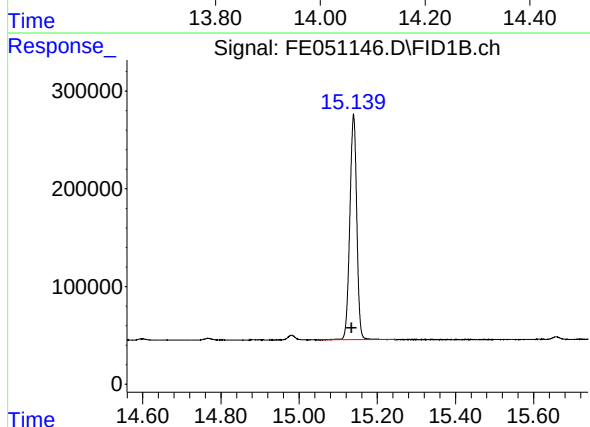
#13 n-Docosane (C22)

R.T.: 14.038 min  
Delta R.T.: 0.004 min  
Response: 2791694  
Conc: 21.00 ug/ml

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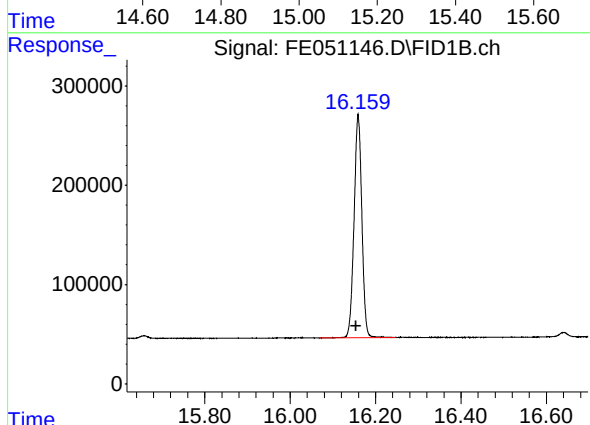
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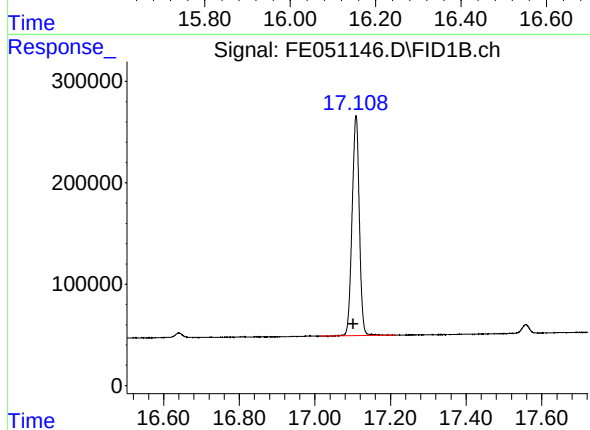
#14 n-Tetracosane (C24)

R.T.: 15.139 min  
Delta R.T.: 0.005 min  
Response: 2841572  
Conc: 21.42 ug/ml



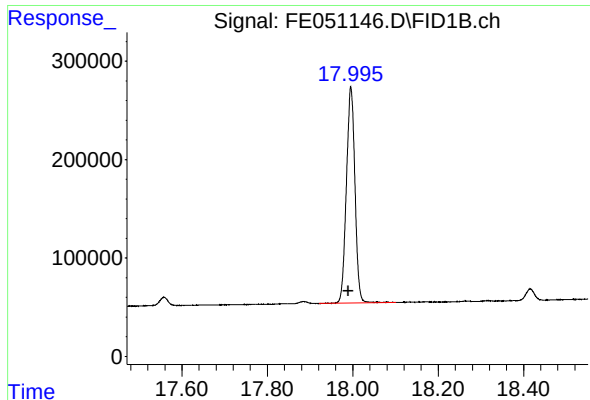
#15 n-Hexacosane (C26)

R.T.: 16.159 min  
Delta R.T.: 0.006 min  
Response: 2848151  
Conc: 21.28 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.108 min  
Delta R.T.: 0.006 min  
Response: 2889264  
Conc: 21.19 ug/ml



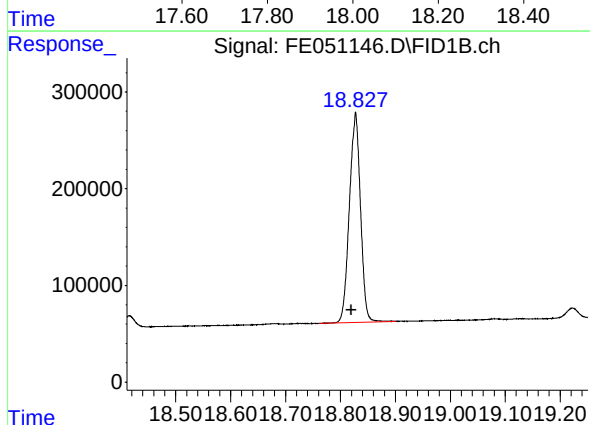
#17 n-Tricontane (C30)

R.T.: 17.995 min  
Delta R.T.: 0.006 min  
Response: 3052477  
Conc: 21.01 ug/ml

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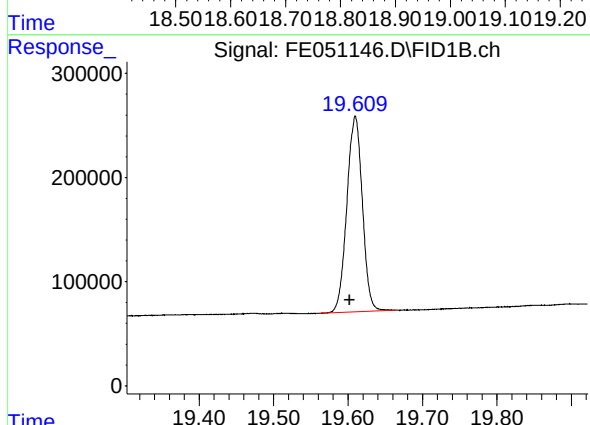
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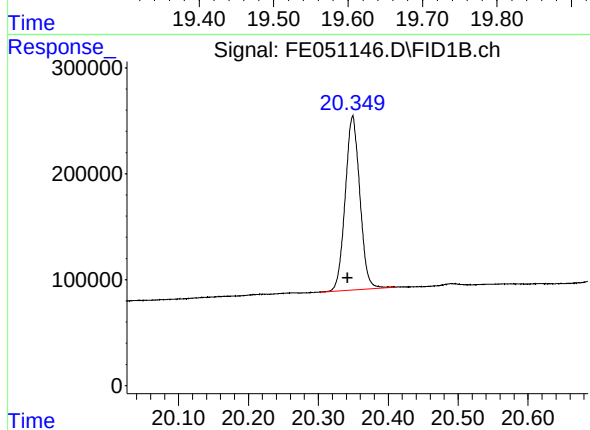
#18 n-Dotriacontane (C32)

R.T.: 18.827 min  
Delta R.T.: 0.007 min  
Response: 3043092  
Conc: 20.49 ug/ml



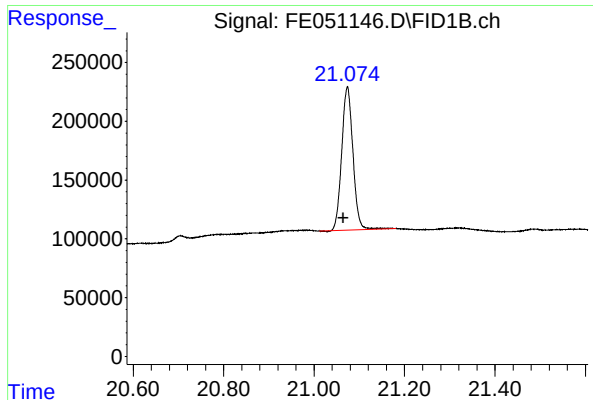
#19 n-Tetatriacontane (C34)

R.T.: 19.609 min  
Delta R.T.: 0.007 min  
Response: 2721197  
Conc: 20.25 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.349 min  
Delta R.T.: 0.008 min  
Response: 2384123  
Conc: 19.98 ug/ml



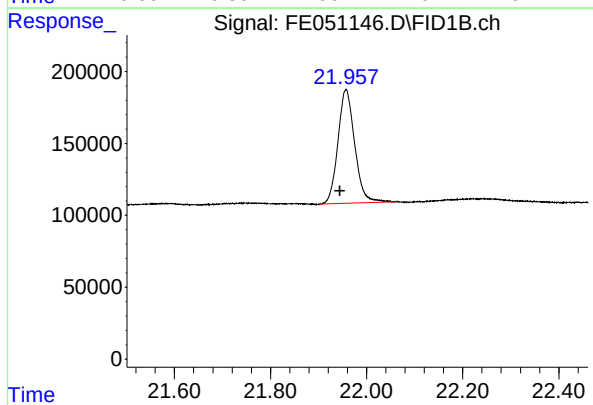
#21 n-Octatriacontane (C38)

R.T.: 21.074 min  
Delta R.T.: 0.009 min  
Response: 2093445  
Conc: 18.39 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.957 min  
Delta R.T.: 0.013 min  
Response: 1919804  
Conc: 17.26 ug/ml