

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE040124AL\  
 Data File : FE047399.D  
 Signal(s) : FID1B.ch  
 Acq On : 01 Apr 2024 12:10  
 Operator : YP\AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 04/02/2024  
 Supervised By :Ankita Jodhani 04/02/2024

Integration File: autoint1.e  
 Quant Time: Apr 02 03:01:59 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 032324.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Mar 23 01:31:33 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)    | 11.985 | 3384855    | 21.614 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 43.23%        |
| 12) S 1-chlorooctadecane (S... | 13.417 | 2606950    | 21.495 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 42.99%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.365  | 3013964    | 20.639 ug/ml  |
| 2) T n-Decane (C10)            | 4.617  | 3164883    | 21.231 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.325  | 3335543    | 21.500 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.784  | 3198475    | 21.387 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.422  | 3235959    | 21.623 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.612  | 3158264    | 21.413 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.220 | 3245577    | 21.443 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.663 | 3268714    | 21.514 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.972 | 3138253    | 21.570 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.583 | 3083855    | 21.577 ug/ml  |
| 13) T n-Docosane (C22)         | 14.169 | 3067436    | 21.609 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.270 | 3063743    | 21.733 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.291 | 3043816    | 21.889 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.238 | 3022112    | 22.117 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.124 | 3100607    | 22.332 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.956 | 3095436    | 22.441 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.738 | 3061935    | 22.342 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 20.474 | 3194689    | 23.393 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 21.218 | 3222891    | 23.250 ug/ml  |
| 22) T n-Tetracontane (C40)     | 22.147 | 3226067    | 22.519 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 : 3 Sample Multiplier: 1

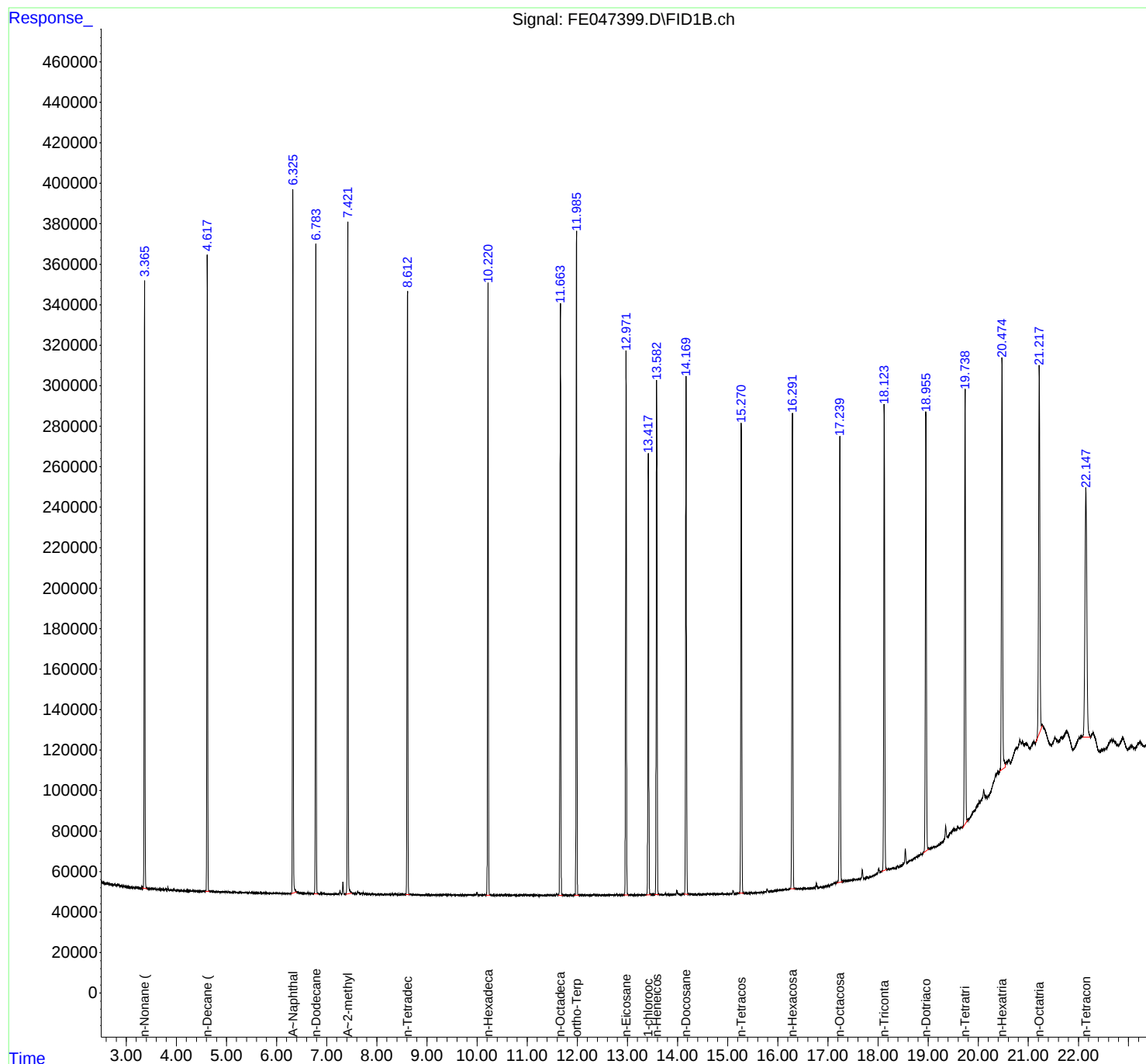
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

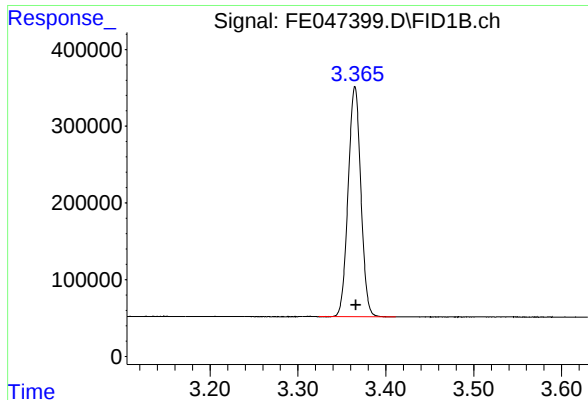
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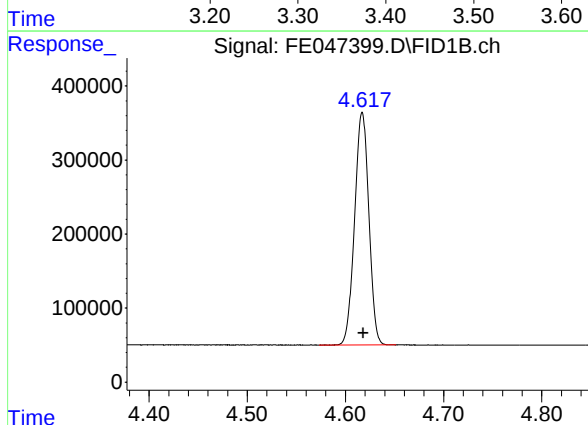
#1 n-Nonane (C9)

R.T.: 3.365 min  
Delta R.T.: -0.001 min  
Response: 3013964  
Conc: 20.64 ug/ml

Instrument :  
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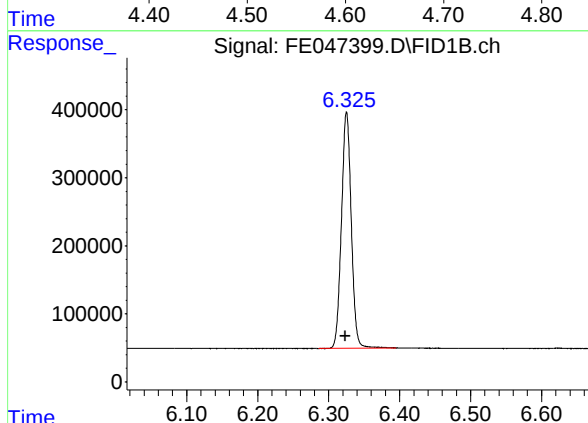
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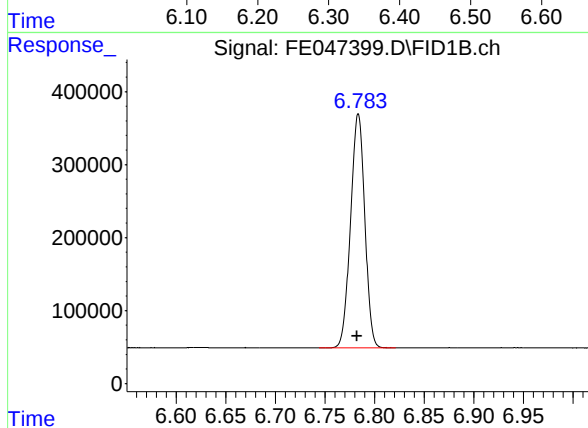
#2 n-Decane (C10)

R.T.: 4.617 min  
Delta R.T.: 0.000 min  
Response: 3164883  
Conc: 21.23 ug/ml



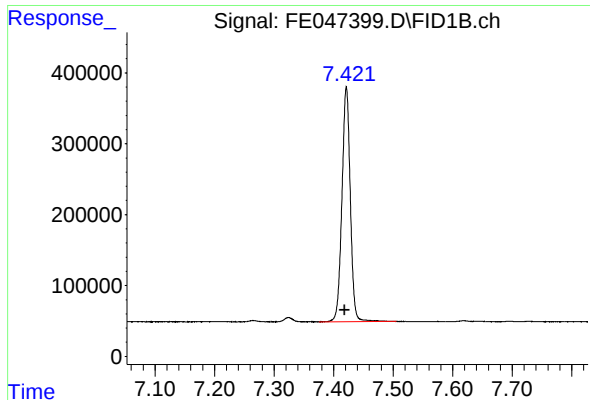
#3 A~Naphthalene (C11.7)

R.T.: 6.325 min  
Delta R.T.: 0.002 min  
Response: 3335543  
Conc: 21.50 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.784 min  
Delta R.T.: 0.001 min  
Response: 3198475  
Conc: 21.39 ug/ml



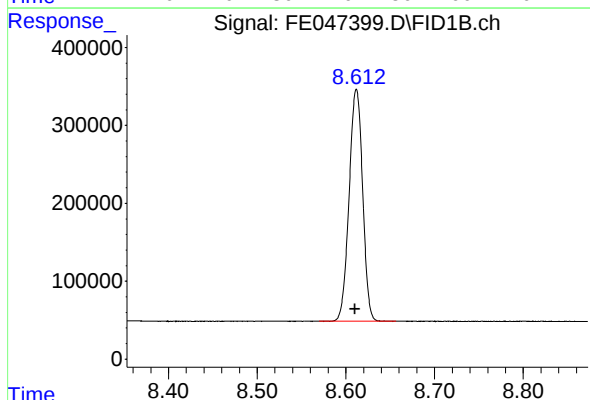
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.422 min  
Delta R.T.: 0.003 min  
Response: 3235959  
Conc: 21.62 ug/ml

Instrument : FID\_E  
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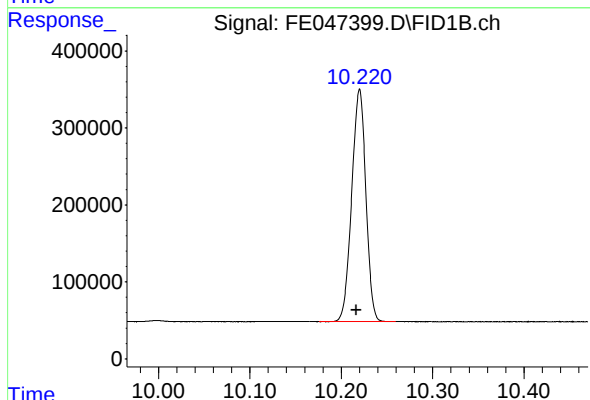
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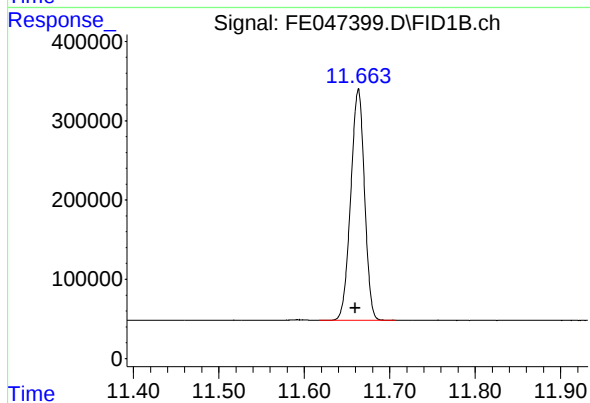
#6 n-Tetradecane (C14)

R.T.: 8.612 min  
Delta R.T.: 0.002 min  
Response: 3158264  
Conc: 21.41 ug/ml



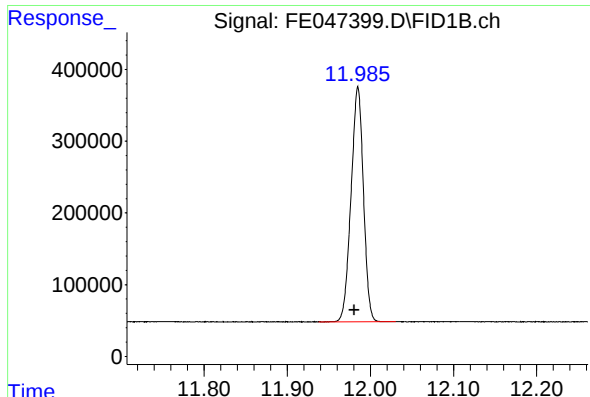
#7 n-Hexadecane (C16)

R.T.: 10.220 min  
Delta R.T.: 0.004 min  
Response: 3245577  
Conc: 21.44 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.663 min  
Delta R.T.: 0.004 min  
Response: 3268714  
Conc: 21.51 ug/ml



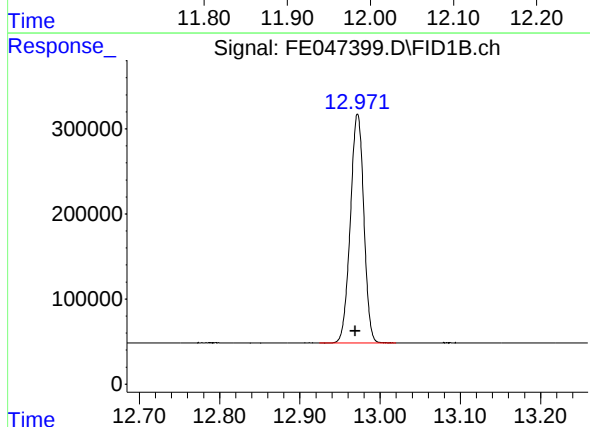
#9 ortho-Terphenyl (SURR)

R.T.: 11.985 min  
Delta R.T.: 0.004 min  
Response: 3384855  
Conc: 21.61 ug/ml

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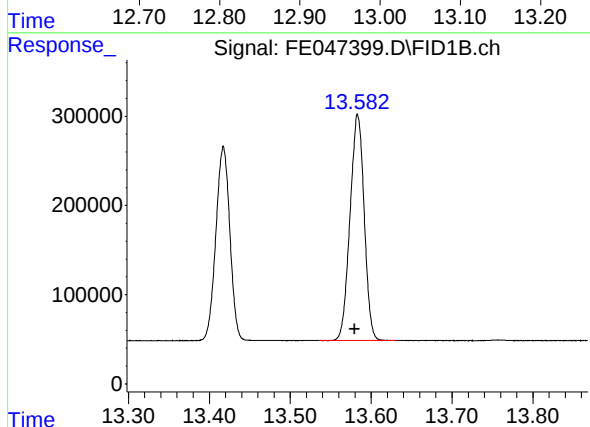
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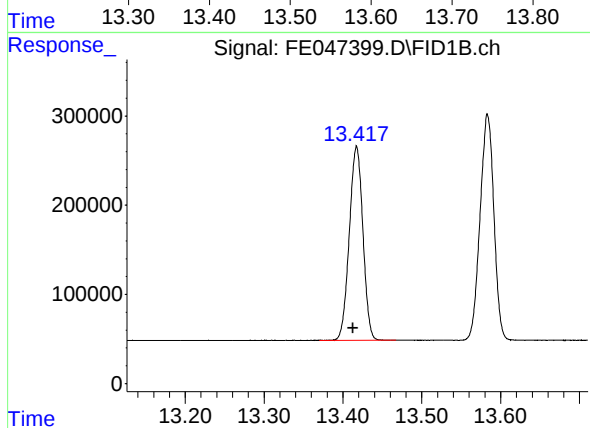
#10 n-Eicosane (C20)

R.T.: 12.972 min  
Delta R.T.: 0.003 min  
Response: 3138253  
Conc: 21.57 ug/ml



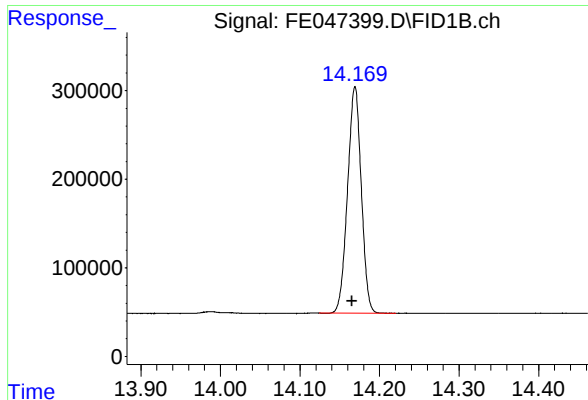
#11 n-Heneicosane (C21)

R.T.: 13.583 min  
Delta R.T.: 0.004 min  
Response: 3083855  
Conc: 21.58 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.417 min  
Delta R.T.: 0.004 min  
Response: 2606950  
Conc: 21.50 ug/ml



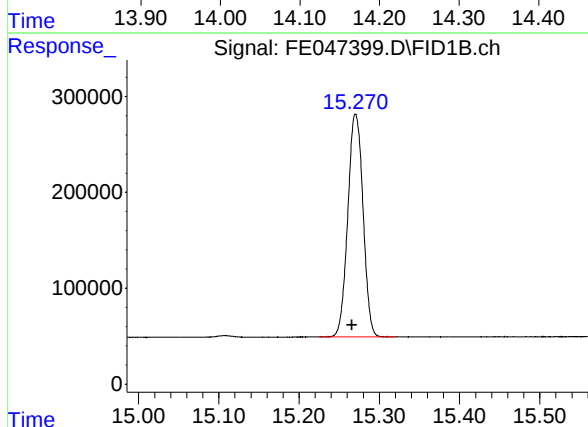
#13 n-Docosane (C22)

R.T.: 14.169 min  
Delta R.T.: 0.004 min  
Response: 3067436  
Conc: 21.61 ug/ml

Instrument : FID\_E  
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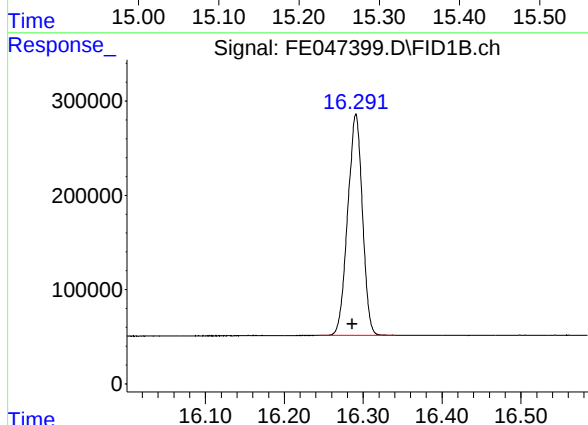
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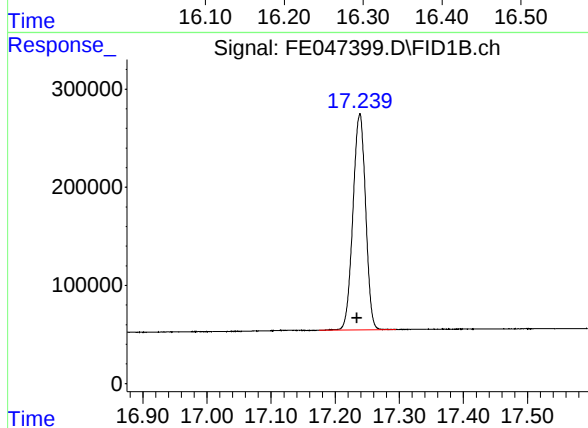
#14 n-Tetracosane (C24)

R.T.: 15.270 min  
Delta R.T.: 0.004 min  
Response: 3063743  
Conc: 21.73 ug/ml



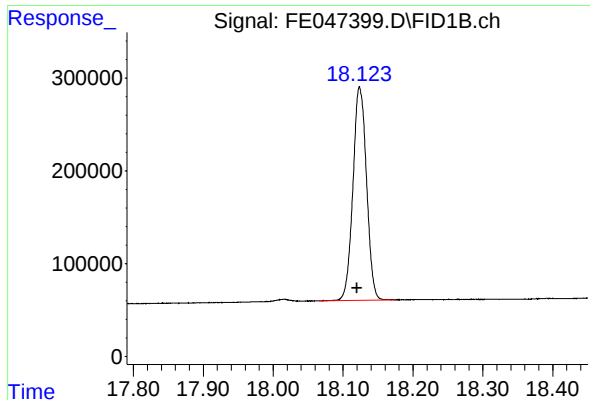
#15 n-Hexacosane (C26)

R.T.: 16.291 min  
Delta R.T.: 0.005 min  
Response: 3043816  
Conc: 21.89 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.238 min  
Delta R.T.: 0.005 min  
Response: 3022112  
Conc: 22.12 ug/ml



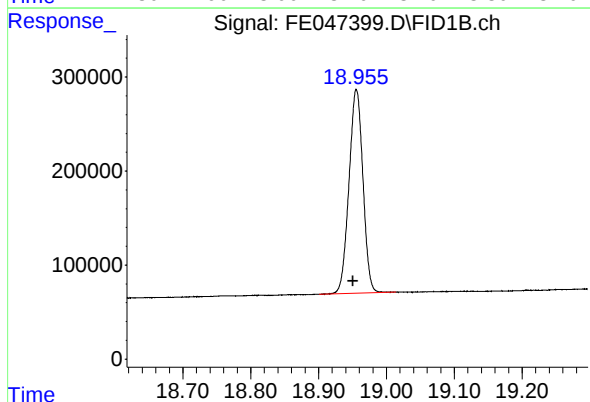
#17 n-Tricontane (C30)

R.T.: 18.124 min  
Delta R.T.: 0.004 min  
Response: 3100607  
Conc: 22.33 ug/ml

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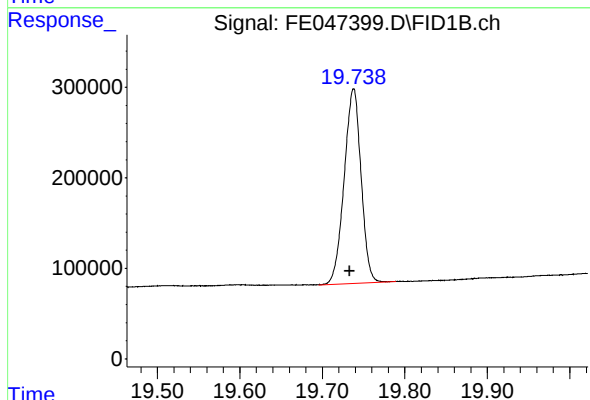
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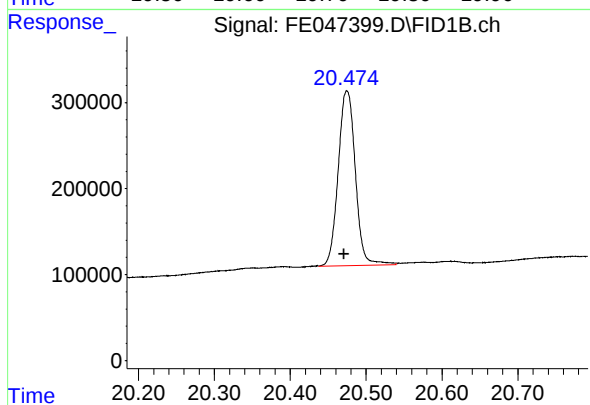
#18 n-Dotriacontane (C32)

R.T.: 18.956 min  
Delta R.T.: 0.005 min  
Response: 3095436  
Conc: 22.44 ug/ml



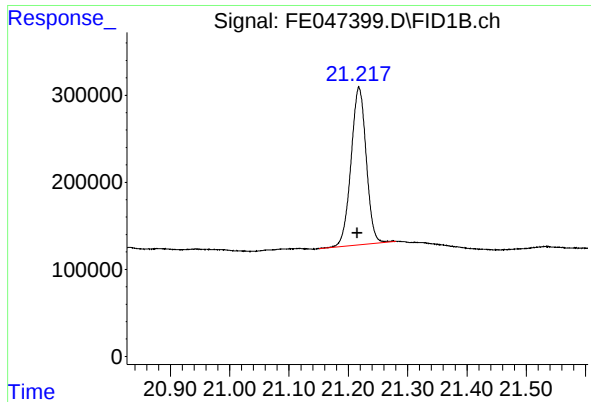
#19 n-Tetratriacontane (C34)

R.T.: 19.738 min  
Delta R.T.: 0.005 min  
Response: 3061935  
Conc: 22.34 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.474 min  
Delta R.T.: 0.003 min  
Response: 3194689  
Conc: 23.39 ug/ml m



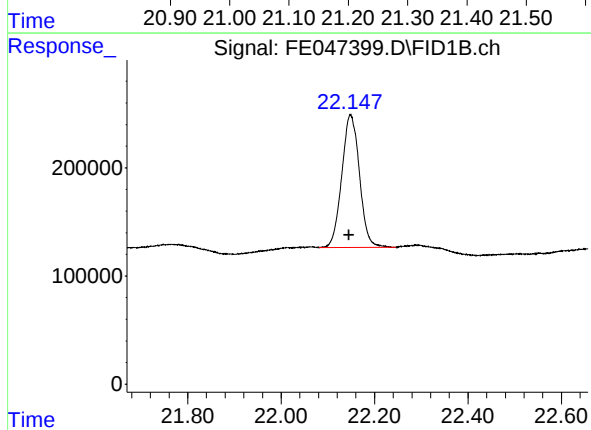
#21 n-Octatriacontane (C38)

R.T.: 21.218 min  
Delta R.T.: 0.002 min  
Response: 3222891  
Conc: 23.25 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.147 min  
Delta R.T.: 0.002 min  
Response: 3226067  
Conc: 22.52 ug/ml m