

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE121422AL\  
 Data File : FE039300.D  
 Signal(s) : FID1B.ch  
 Acq On : 14 Dec 2022 12:42  
 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 12/15/2022  
 Supervised By :Ankita Jodhani 12/15/2022

Integration File: autoint1.e  
 Quant Time: Dec 14 16:41:06 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 111922.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Nov 19 05:37:37 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)    | 11.942 | 3151546    | 20.146 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 40.29%        |
| 12) S 1-chlorooctadecane (S... | 13.377 | 2429481    | 20.122 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 40.24%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.334  | 2689368    | 18.973 ug/ml  |
| 2) T n-Decane (C10)            | 4.584  | 2642767    | 18.961 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.287  | 3036157    | 19.089 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.747  | 2696201    | 19.128 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.382  | 2866706    | 19.154 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.573  | 2760014    | 19.325 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.180 | 2874682    | 19.661 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.623 | 2933025    | 19.932 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.932 | 2865462    | 20.185 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.544 | 2857466    | 20.109 ug/ml  |
| 13) T n-Docosane (C22)         | 14.130 | 2843073    | 20.338 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.233 | 2817109    | 20.398 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.254 | 2735934    | 20.370 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.204 | 2708792    | 20.398 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.093 | 2687983    | 20.354 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.926 | 2686353    | 20.143 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.709 | 2633349    | 19.901 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.450 | 2532256    | 19.711 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.190 | 2620137    | 19.995 ug/ml  |
| 22) T n-Tetracontane (C40)     | 22.106 | 2513970    | 18.462 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 : 2 Sample Multiplier: 1

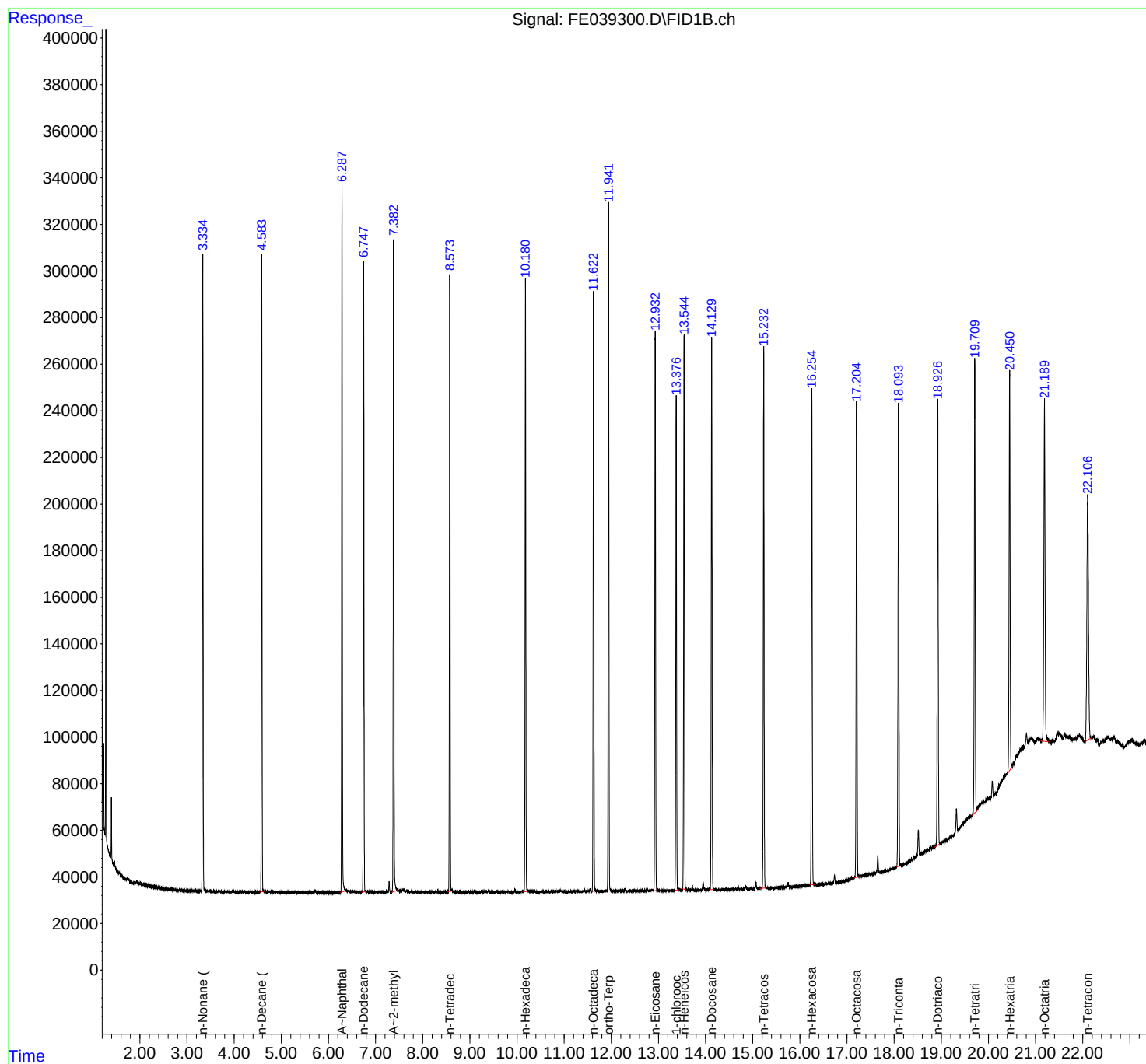
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

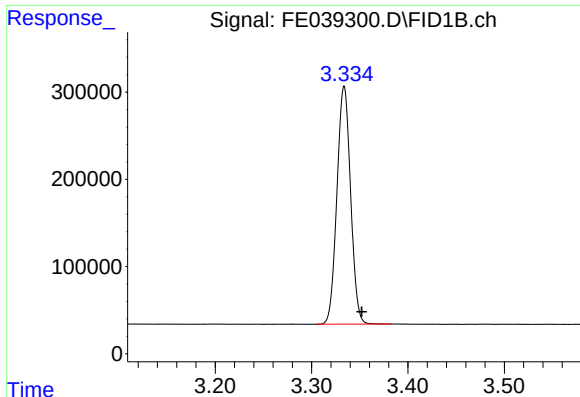
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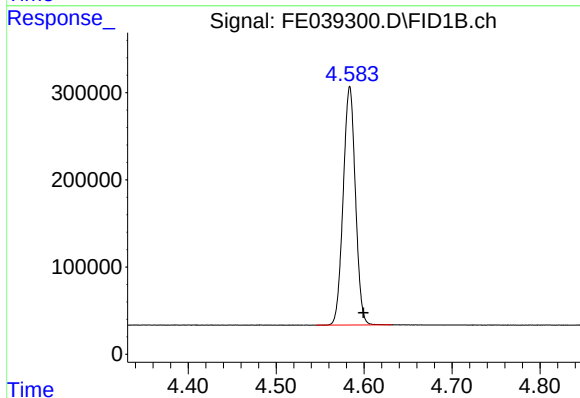
#1 n-Nonane (C9)

R.T.: 3.334 min  
Delta R.T.: -0.018 min  
Response: 2689368  
Conc: 18.97 ug/ml

Instrument :  
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ClientSampleId :  
20 PPM ALIPHATIC HC STD

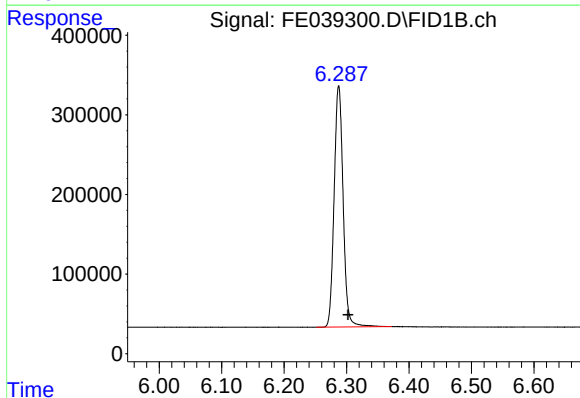
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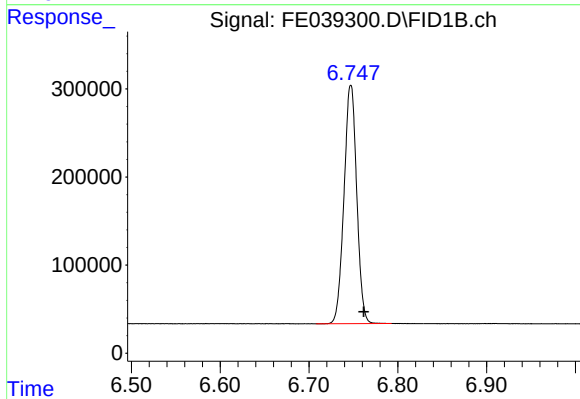
#2 n-Decane (C10)

R.T.: 4.584 min  
Delta R.T.: -0.016 min  
Response: 2642767  
Conc: 18.96 ug/ml



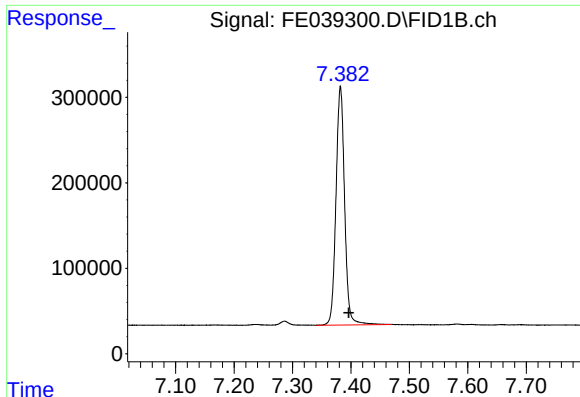
#3 A~Naphthalene (C11.7)

R.T.: 6.287 min  
Delta R.T.: -0.015 min  
Response: 3036157  
Conc: 19.09 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.747 min  
Delta R.T.: -0.014 min  
Response: 2696201  
Conc: 19.13 ug/ml



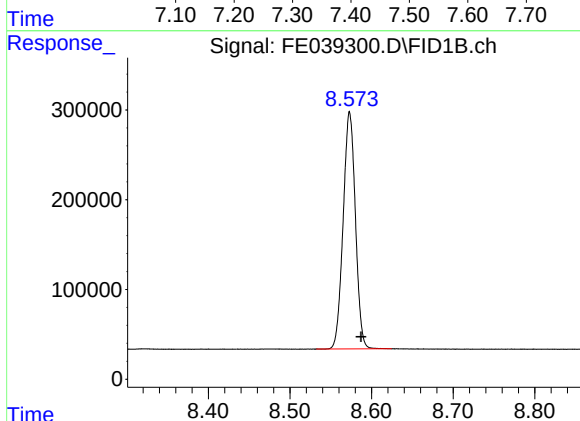
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.382 min  
Delta R.T.: -0.014 min  
Response: 2866706  
Conc: 19.15 ug/ml

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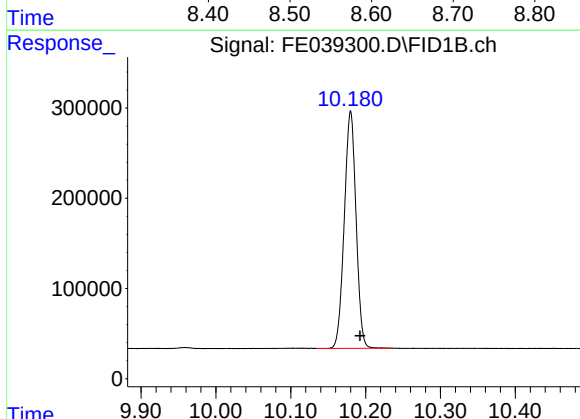
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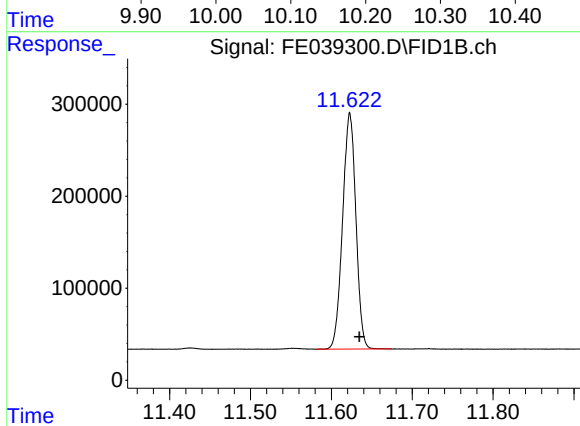
#6 n-Tetradecane (C14)

R.T.: 8.573 min  
Delta R.T.: -0.014 min  
Response: 2760014  
Conc: 19.32 ug/ml



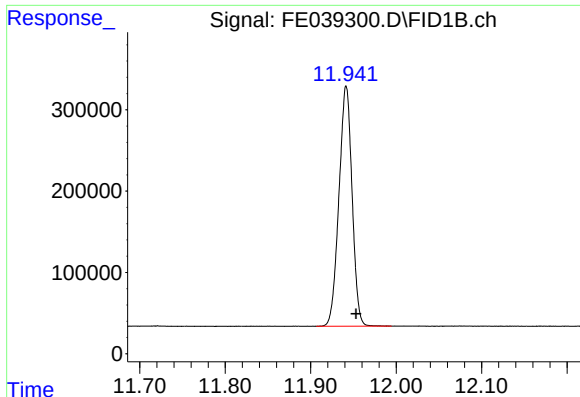
#7 n-Hexadecane (C16)

R.T.: 10.180 min  
Delta R.T.: -0.013 min  
Response: 2874682  
Conc: 19.66 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.623 min  
Delta R.T.: -0.012 min  
Response: 2933025  
Conc: 19.93 ug/ml



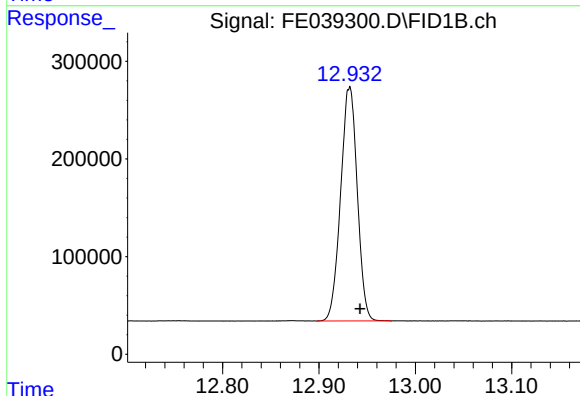
#9 ortho-Terphenyl (SURR)

R.T.: 11.942 min  
Delta R.T.: -0.012 min  
Response: 3151546  
Conc: 20.15 ug/ml

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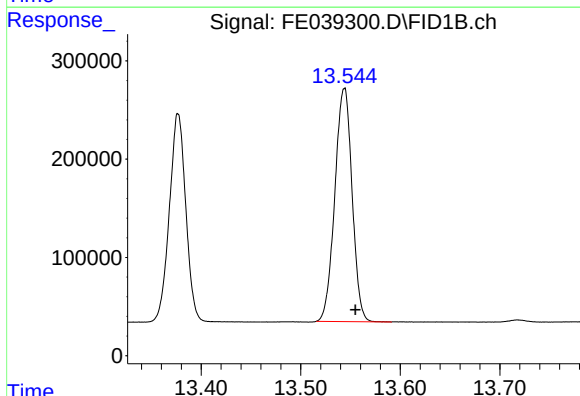
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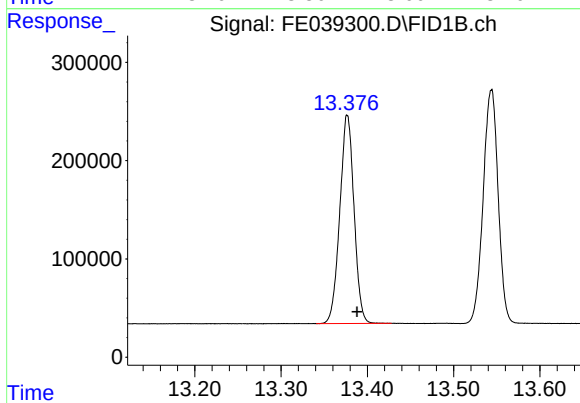
#10 n-Eicosane (C20)

R.T.: 12.932 min  
Delta R.T.: -0.011 min  
Response: 2865462  
Conc: 20.18 ug/ml



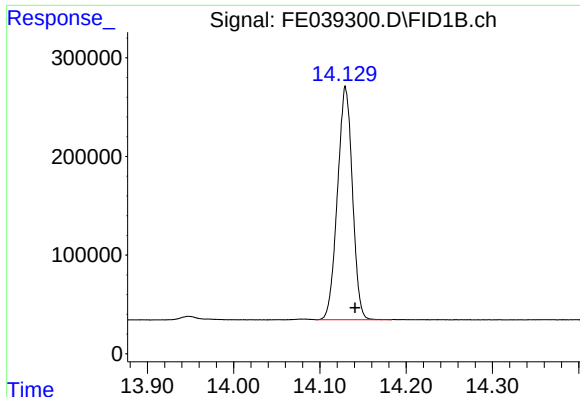
#11 n-Heneicosane (C21)

R.T.: 13.544 min  
Delta R.T.: -0.011 min  
Response: 2857466  
Conc: 20.11 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.377 min  
Delta R.T.: -0.011 min  
Response: 2429481  
Conc: 20.12 ug/ml



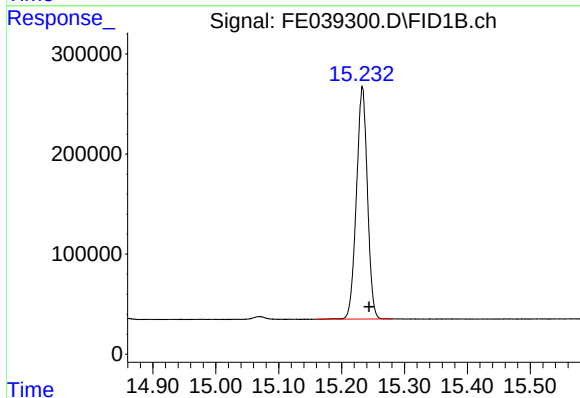
#13 n-Docosane (C22)

R.T.: 14.130 min  
Delta R.T.: -0.011 min  
Response: 2843073  
Conc: 20.34 ug/ml

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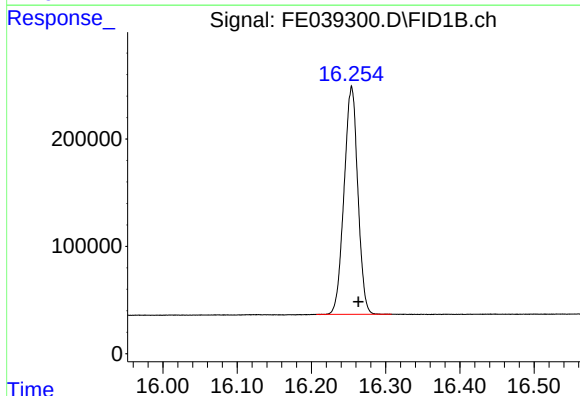
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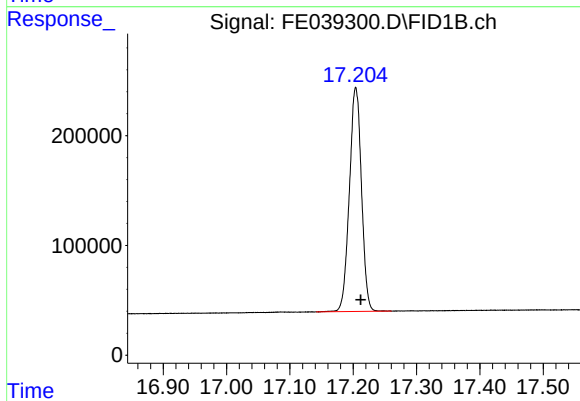
#14 n-Tetracosane (C24)

R.T.: 15.233 min  
Delta R.T.: -0.010 min  
Response: 2817109  
Conc: 20.40 ug/ml



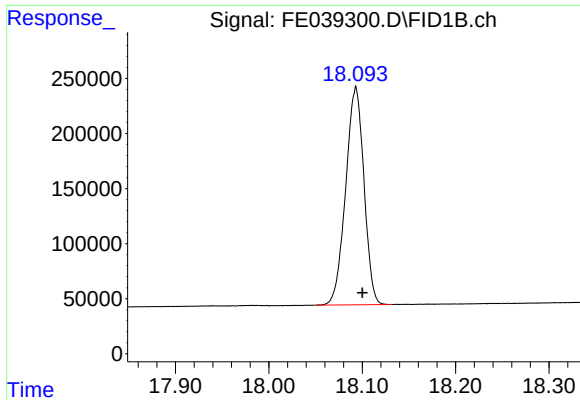
#15 n-Hexacosane (C26)

R.T.: 16.254 min  
Delta R.T.: -0.009 min  
Response: 2735934  
Conc: 20.37 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.204 min  
Delta R.T.: -0.008 min  
Response: 2708792  
Conc: 20.40 ug/ml



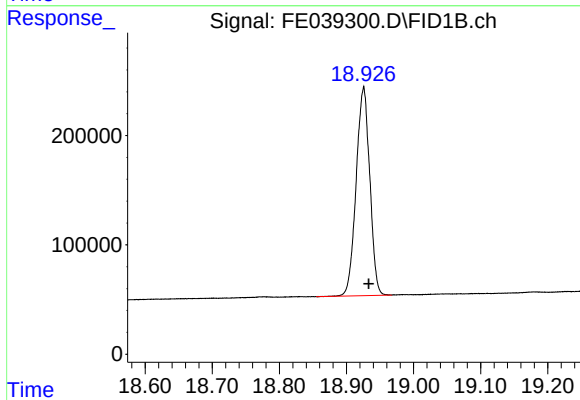
#17 n-Tricontane (C30)

R.T.: 18.093 min  
Delta R.T.: -0.007 min  
Response: 2687983  
Conc: 20.35 ug/ml

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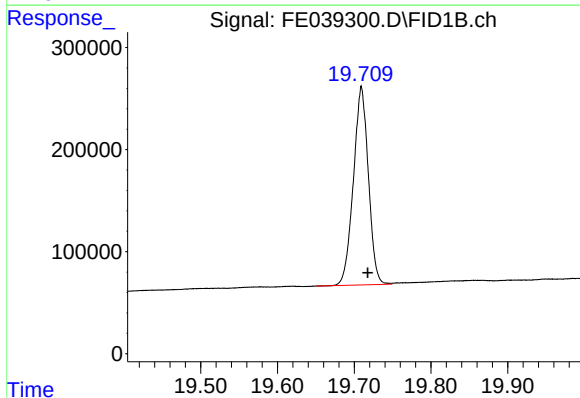
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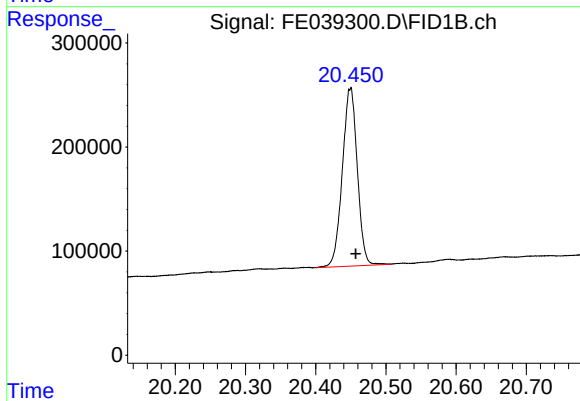
#18 n-Dotriacontane (C32)

R.T.: 18.926 min  
Delta R.T.: -0.008 min  
Response: 2686353  
Conc: 20.14 ug/ml



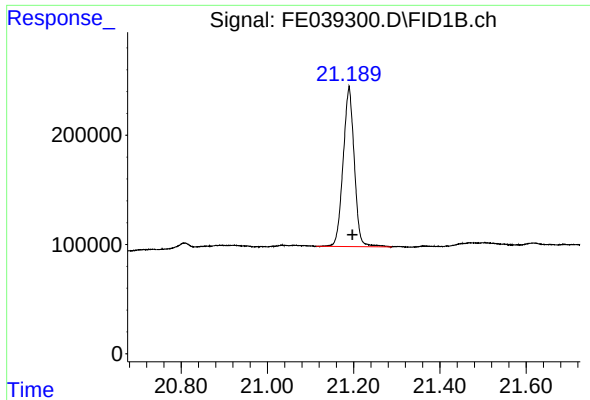
#19 n-Tetratriacontane (C34)

R.T.: 19.709 min  
Delta R.T.: -0.008 min  
Response: 2633349  
Conc: 19.90 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.450 min  
Delta R.T.: -0.007 min  
Response: 2532256  
Conc: 19.71 ug/ml



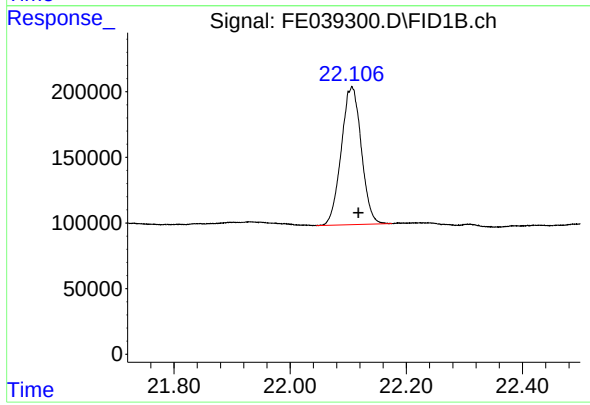
#21 n-Octatriacontane (C38)

R.T.: 21.190 min  
Delta R.T.: -0.008 min  
Response: 2620137  
Conc: 20.00 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.106 min  
Delta R.T.: -0.011 min  
Response: 2513970  
Conc: 18.46 ug/ml m