

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE112522AL\  
 Data File : FE038947.D  
 Signal(s) : FID1B.ch  
 Acq On : 25 Nov 2022 09:56  
 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 11/28/2022  
 Supervised By :Ankita Jodhani 11/28/2022

Integration File: autoint1.e  
 Quant Time: Nov 28 03:00:12 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\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)    | 11.958 | 3026501    | 19.346 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 38.69%        |
| 12) S 1-chlorooctadecane (S... | 13.392 | 2303728    | 19.080 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 38.16%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.349  | 2714308    | 19.149 ug/ml  |
| 2) T n-Decane (C10)            | 4.599  | 2678527    | 19.218 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.304  | 3080914    | 19.370 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.763  | 2713484    | 19.250 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.398  | 2882772    | 19.261 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.589  | 2757713    | 19.309 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.195 | 2827477    | 19.338 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.638 | 2847031    | 19.348 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.947 | 2748388    | 19.360 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.560 | 2736061    | 19.255 ug/ml  |
| 13) T n-Docosane (C22)         | 14.145 | 2688818    | 19.235 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.248 | 2649477    | 19.185 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.268 | 2591724    | 19.296 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.218 | 2610865    | 19.660 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.105 | 2688983    | 20.362 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.939 | 2777846    | 20.829 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.721 | 2750514    | 20.786 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.463 | 2692500    | 20.958 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.204 | 2690790    | 20.535 ug/mlm |
| 22) T n-Tetracontane (C40)     | 22.125 | 2689563    | 19.752 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

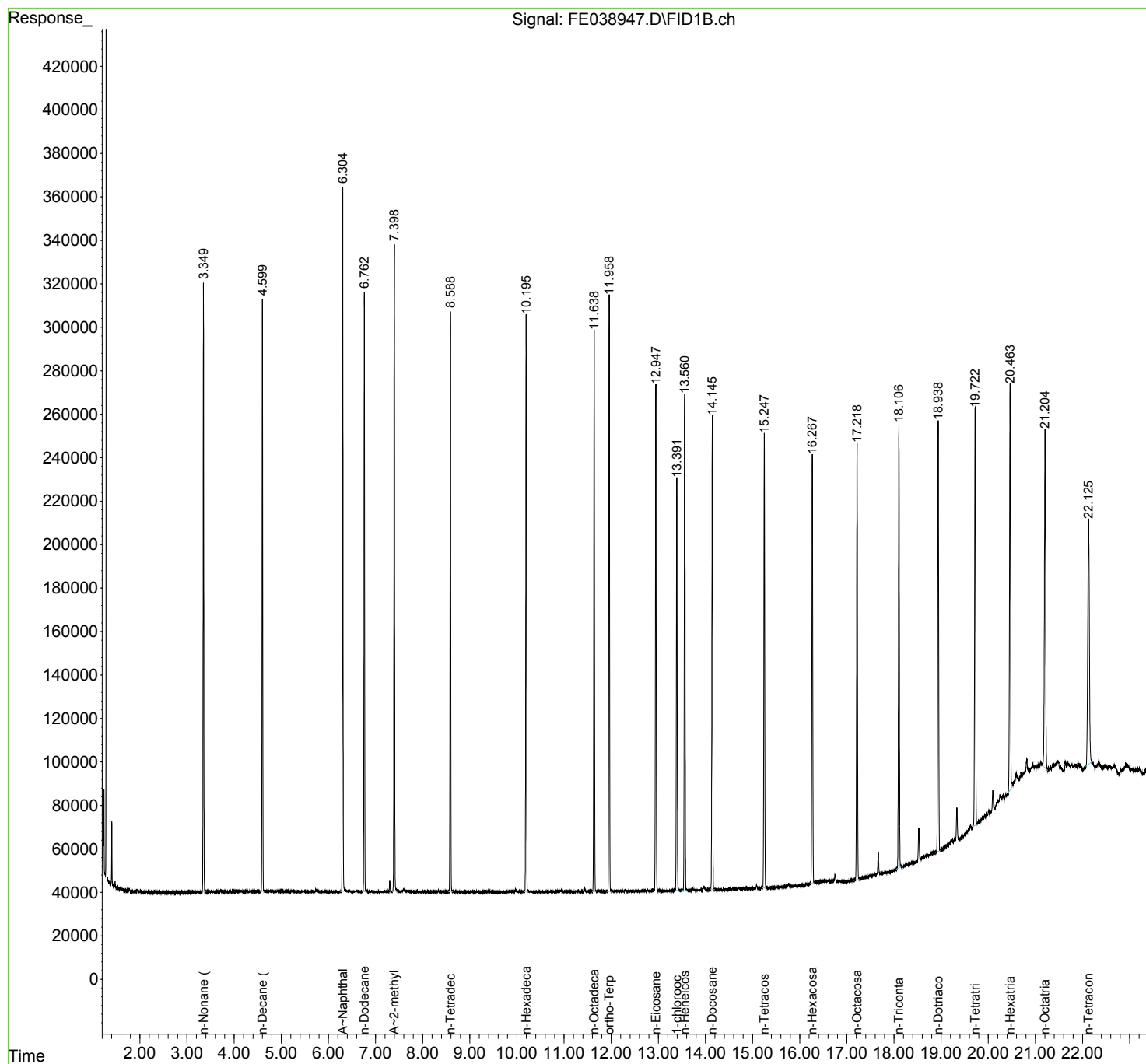
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

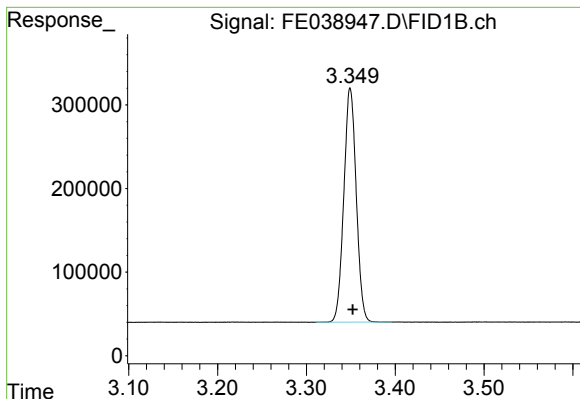
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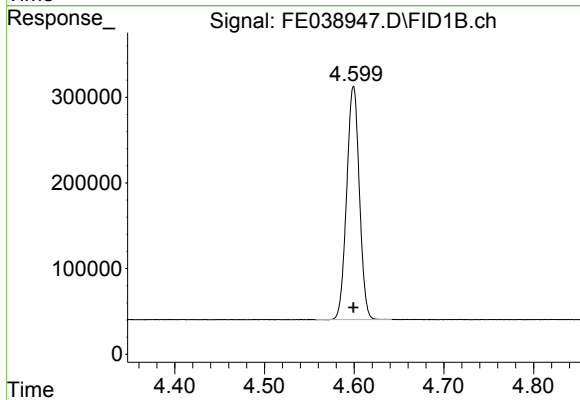
#1 n-Nonane (C9)

R.T.: 3.349 min  
Delta R.T.: -0.003 min  
Response: 2714308  
Conc: 19.15 ug/ml

Instrument :  
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ClientSampleId :  
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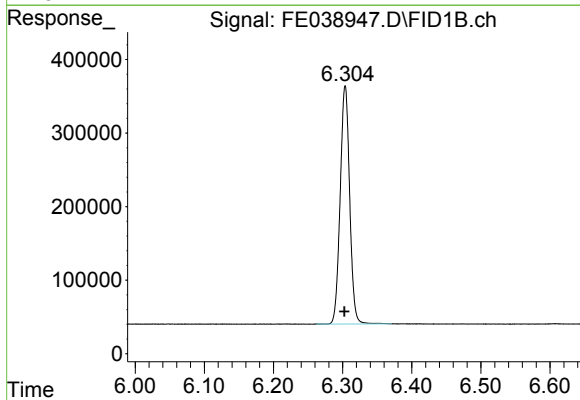
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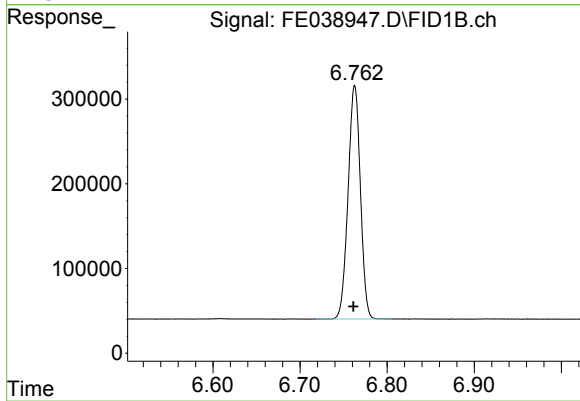
#2 n-Decane (C10)

R.T.: 4.599 min  
Delta R.T.: 0.000 min  
Response: 2678527  
Conc: 19.22 ug/ml



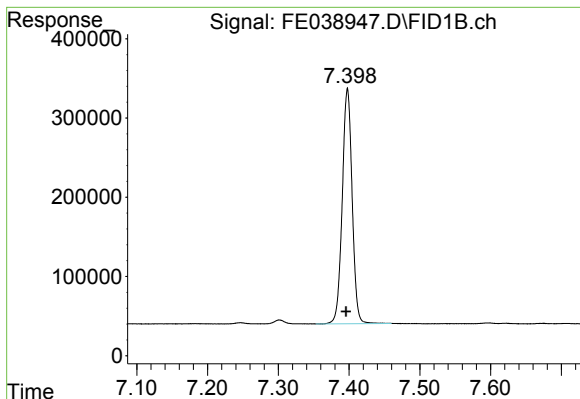
#3 A~Naphthalene (C11.7)

R.T.: 6.304 min  
Delta R.T.: 0.001 min  
Response: 3080914  
Conc: 19.37 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.763 min  
Delta R.T.: 0.001 min  
Response: 2713484  
Conc: 19.25 ug/ml



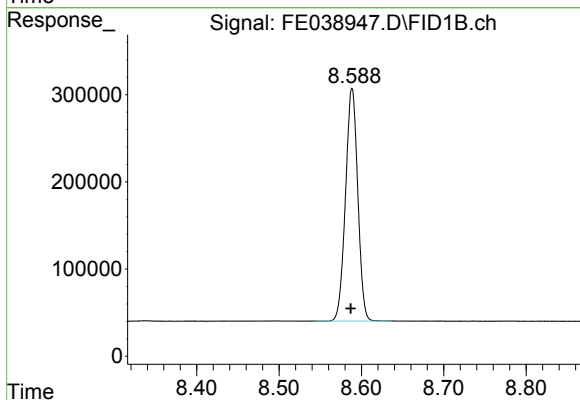
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.398 min  
Delta R.T.: 0.002 min  
Response: 2882772  
Conc: 19.26 ug/ml

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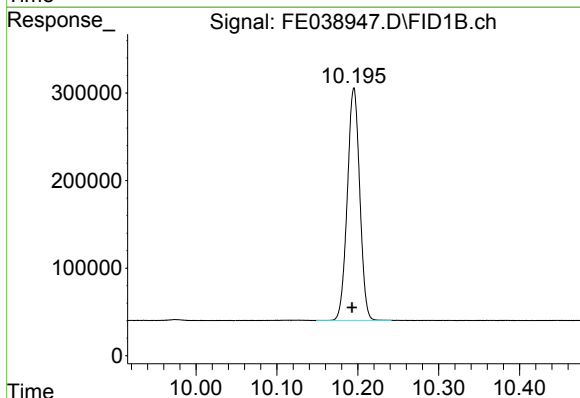
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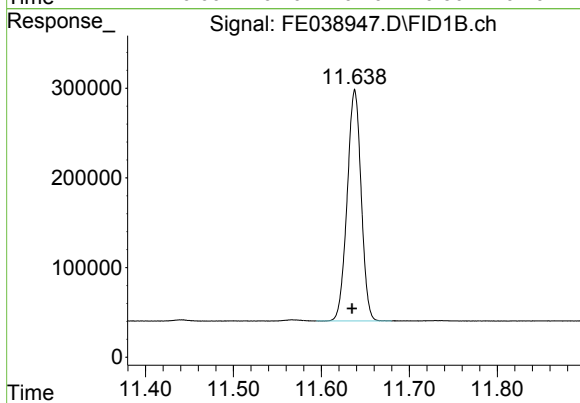
#6 n-Tetradecane (C14)

R.T.: 8.589 min  
Delta R.T.: 0.002 min  
Response: 2757713  
Conc: 19.31 ug/ml



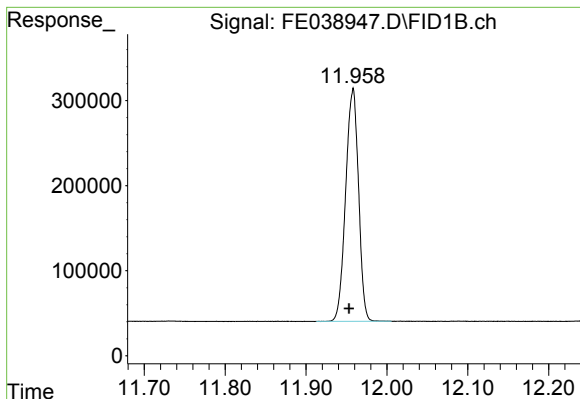
#7 n-Hexadecane (C16)

R.T.: 10.195 min  
Delta R.T.: 0.002 min  
Response: 2827477  
Conc: 19.34 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.638 min  
Delta R.T.: 0.003 min  
Response: 2847031  
Conc: 19.35 ug/ml



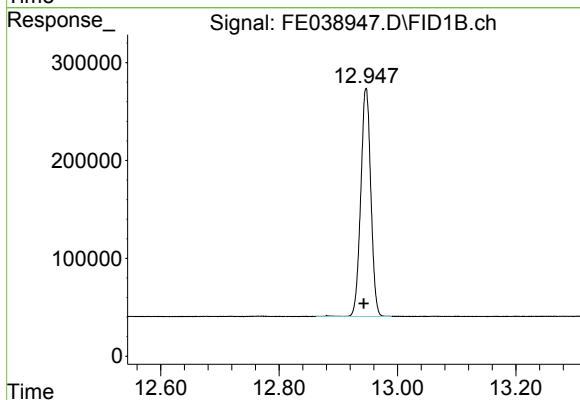
#9 ortho-Terphenyl (SURR)

R.T.: 11.958 min  
Delta R.T.: 0.005 min  
Response: 3026501  
Conc: 19.35 ug/ml

Instrument :  
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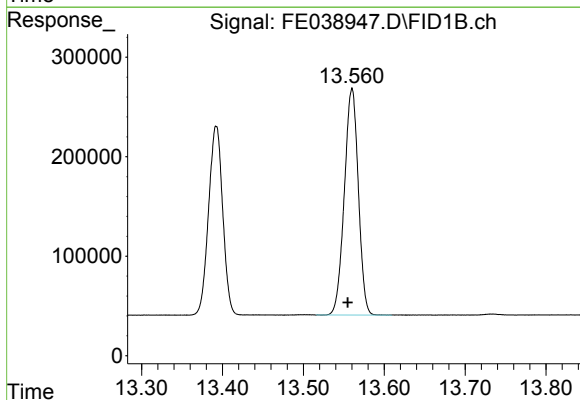
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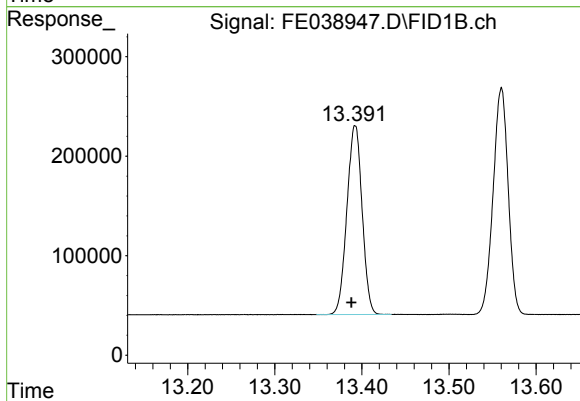
#10 n-Eicosane (C20)

R.T.: 12.947 min  
Delta R.T.: 0.004 min  
Response: 2748388  
Conc: 19.36 ug/ml



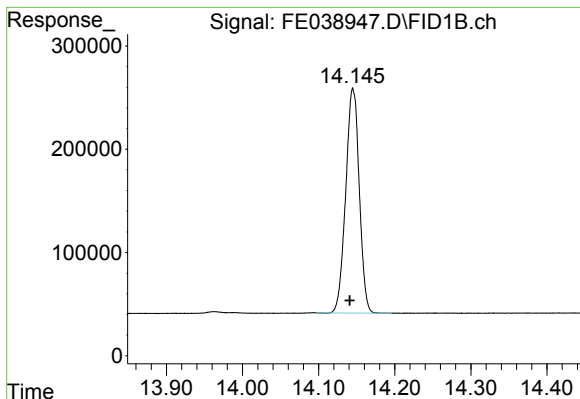
#11 n-Heneicosane (C21)

R.T.: 13.560 min  
Delta R.T.: 0.005 min  
Response: 2736061  
Conc: 19.25 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.392 min  
Delta R.T.: 0.004 min  
Response: 2303728  
Conc: 19.08 ug/ml



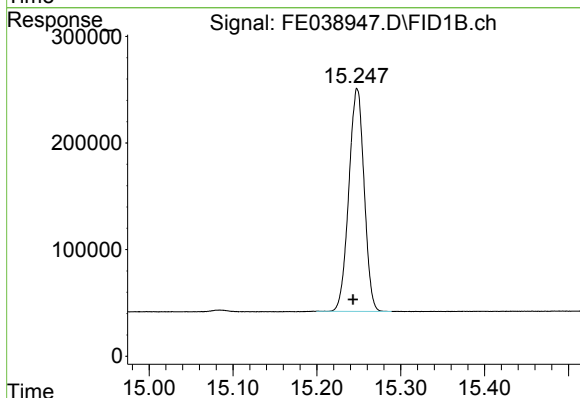
#13 n-Docosane (C22)

R.T.: 14.145 min  
Delta R.T.: 0.004 min  
Response: 2688818  
Conc: 19.23 ug/ml

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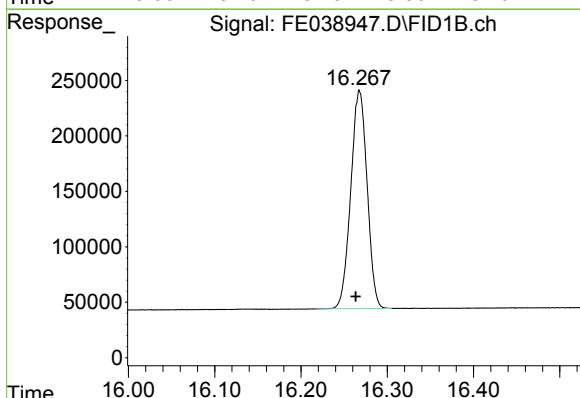
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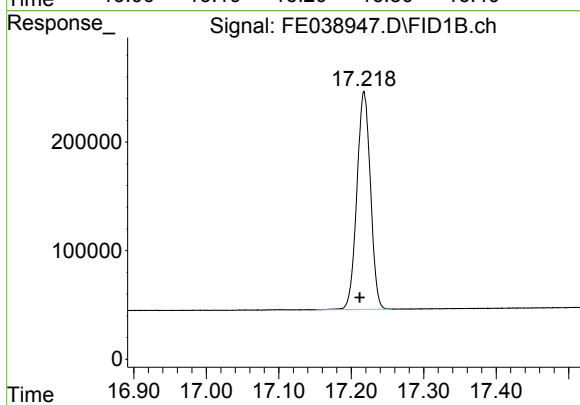
#14 n-Tetracosane (C24)

R.T.: 15.248 min  
Delta R.T.: 0.005 min  
Response: 2649477  
Conc: 19.18 ug/ml



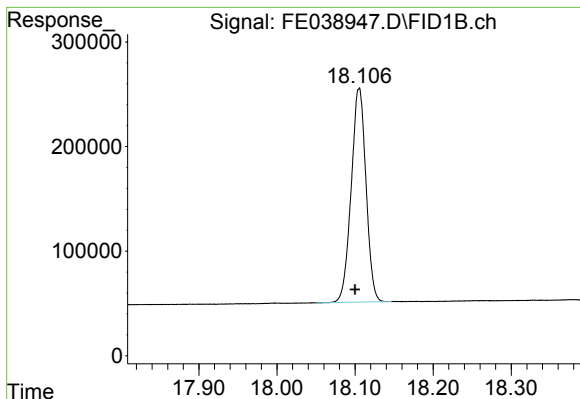
#15 n-Hexacosane (C26)

R.T.: 16.268 min  
Delta R.T.: 0.005 min  
Response: 2591724  
Conc: 19.30 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.218 min  
Delta R.T.: 0.006 min  
Response: 2610865  
Conc: 19.66 ug/ml



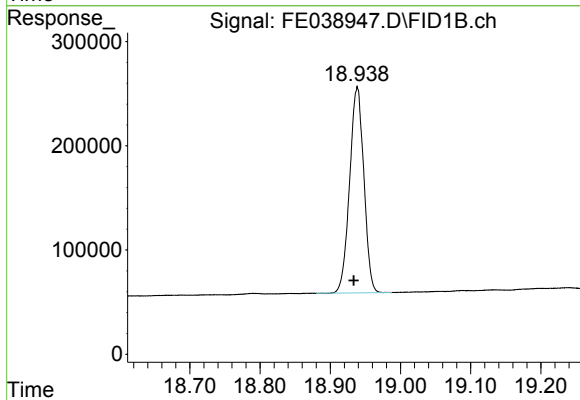
#17 n-Tricontane (C30)

R.T.: 18.105 min  
Delta R.T.: 0.005 min  
Response: 2688983  
Conc: 20.36 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

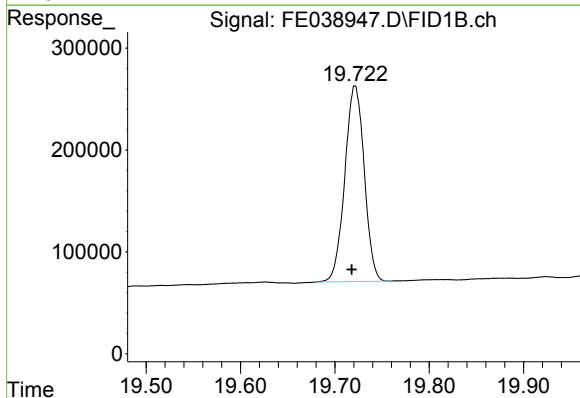
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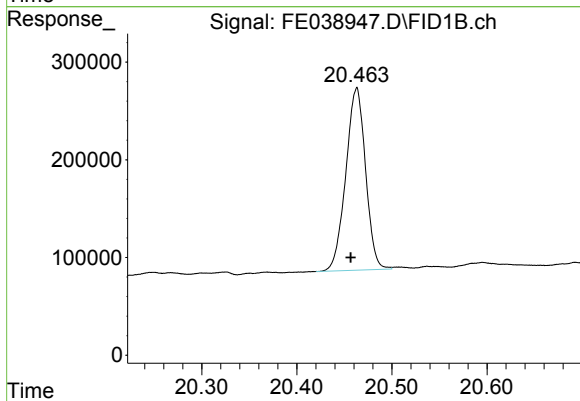
#18 n-Dotriacontane (C32)

R.T.: 18.939 min  
Delta R.T.: 0.005 min  
Response: 2777846  
Conc: 20.83 ug/ml



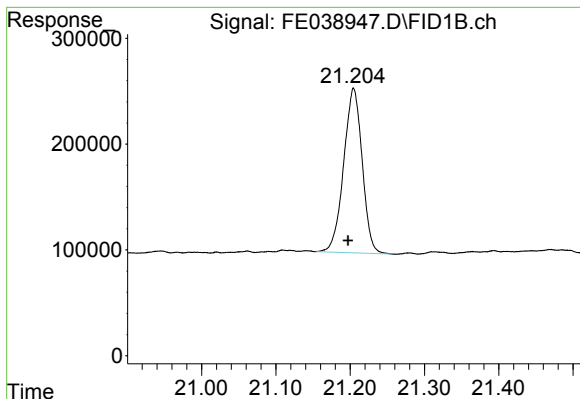
#19 n-Tetratriacontane (C34)

R.T.: 19.721 min  
Delta R.T.: 0.004 min  
Response: 2750514  
Conc: 20.79 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.463 min  
Delta R.T.: 0.006 min  
Response: 2692500  
Conc: 20.96 ug/ml



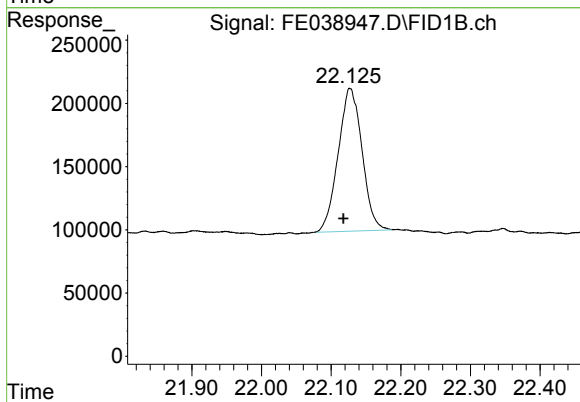
#21 n-Octatriacontane (C38)

R.T.: 21.204 min  
Delta R.T.: 0.007 min  
Response: 2690790  
Conc: 20.53 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.125 min  
Delta R.T.: 0.008 min  
Response: 2689563  
Conc: 19.75 ug/ml m