

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE120622AL\  
 Data File : FE039144.D  
 Signal(s) : FID1B.ch  
 Acq On : 06 Dec 2022 08:52  
 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 12/06/2022  
 Supervised By :Ankita Jodhani 12/07/2022

Integration File: autoint1.e  
 Quant Time: Dec 06 10:55:41 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)    | 11.945 | 3125536    | 19.979 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 39.96%        |
| 12) S 1-chlorooctadecane (S... | 13.379 | 2381667    | 19.726 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 39.45%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.339  | 2650817    | 18.701 ug/ml  |
| 2) T n-Decane (C10)            | 4.589  | 2593682    | 18.609 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.292  | 3003576    | 18.884 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.752  | 2642822    | 18.749 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.386  | 2830620    | 18.913 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.578  | 2697577    | 18.888 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.184 | 2807280    | 19.200 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.626 | 2883111    | 19.593 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.935 | 2824264    | 19.894 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.546 | 2841897    | 19.999 ug/ml  |
| 13) T n-Docosane (C22)         | 14.132 | 2816002    | 20.145 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.234 | 2801422    | 20.285 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.254 | 2736242    | 20.372 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.205 | 2695183    | 20.295 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.093 | 2649284    | 20.061 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.925 | 2620735    | 19.651 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.706 | 2525684    | 19.087 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 20.448 | 2378660    | 18.515 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 21.186 | 2453505    | 18.724 ug/ml  |
| 22) T n-Tetracontane (C40)     | 22.105 | 2426209    | 17.818 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Acq On : 06 Dec 2022 08:52  
Operator : YP\AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

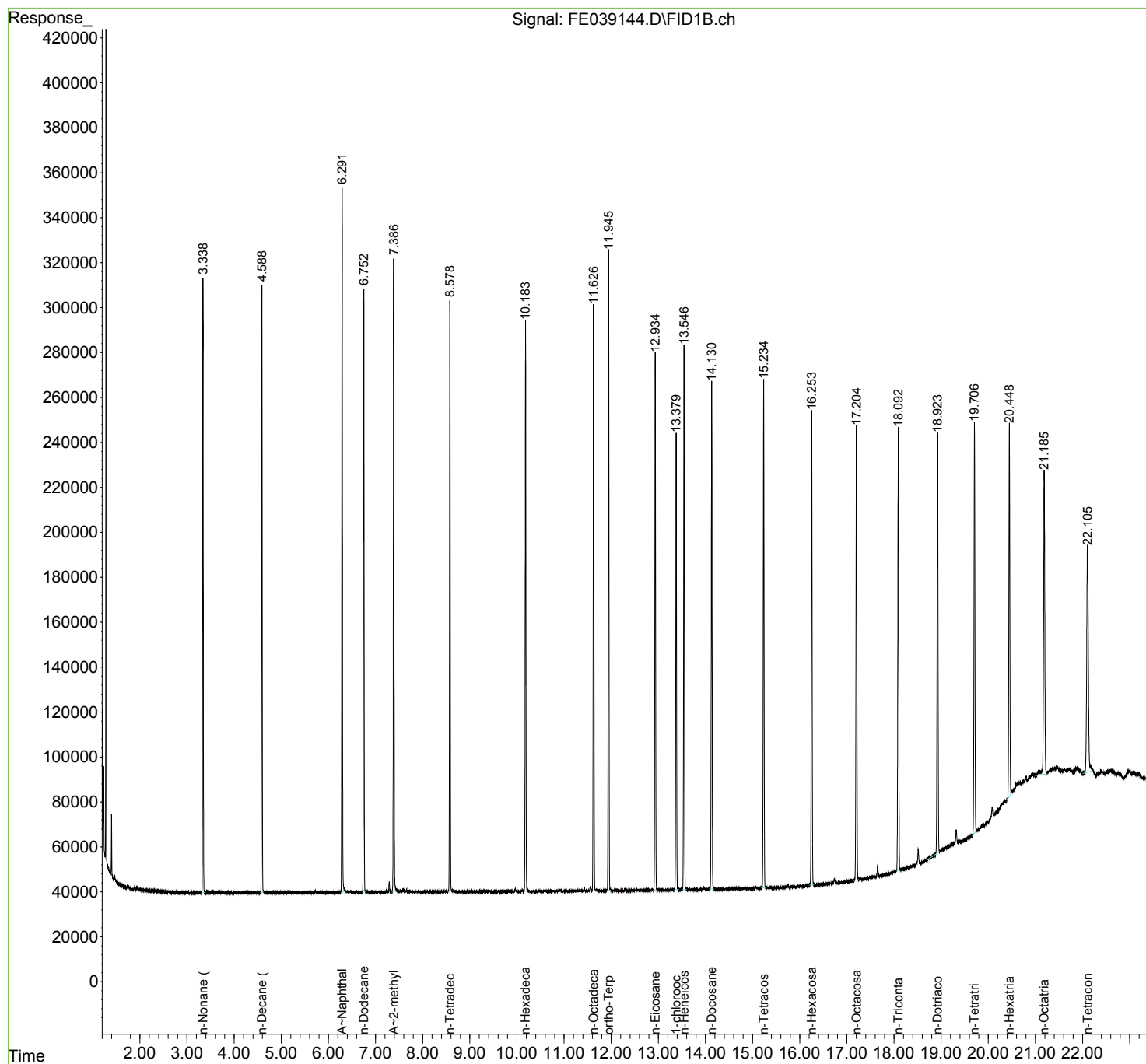
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

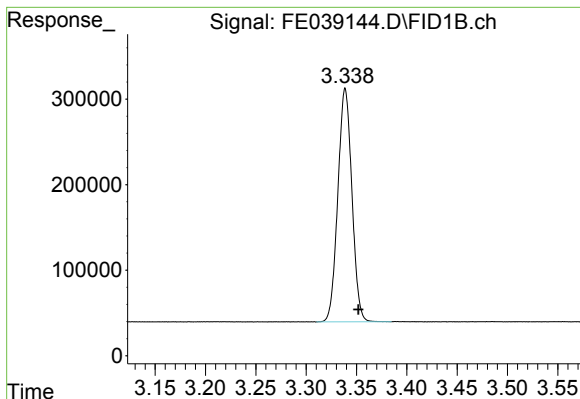
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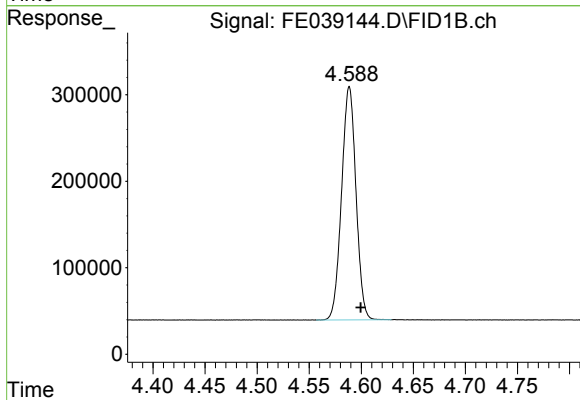
#1 n-Nonane (C9)

R.T.: 3.339 min  
Delta R.T.: -0.013 min  
Response: 2650817  
Conc: 18.70 ug/ml

Instrument :  
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ClientSampleId :  
20 PPM ALIPHATIC HC STD

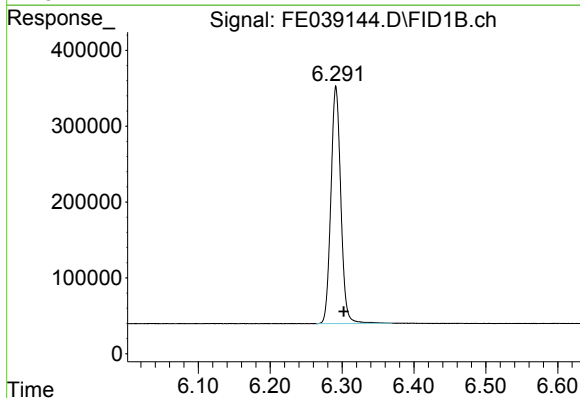
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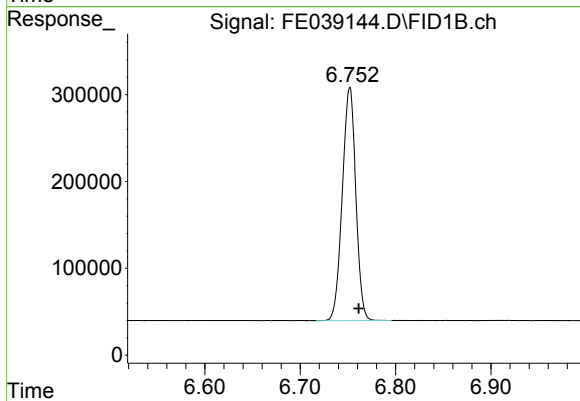
#2 n-Decane (C10)

R.T.: 4.589 min  
Delta R.T.: -0.011 min  
Response: 2593682  
Conc: 18.61 ug/ml



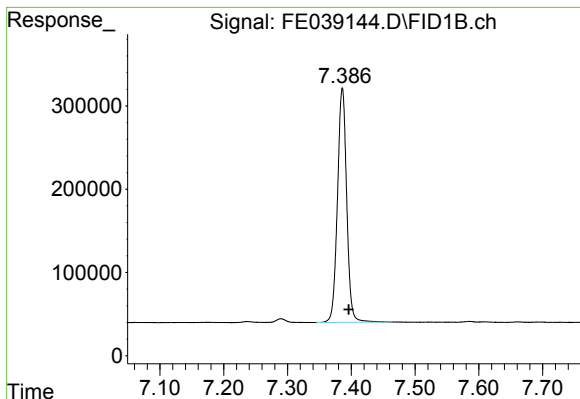
#3 A~Naphthalene (C11.7)

R.T.: 6.292 min  
Delta R.T.: -0.011 min  
Response: 3003576  
Conc: 18.88 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.752 min  
Delta R.T.: -0.009 min  
Response: 2642822  
Conc: 18.75 ug/ml



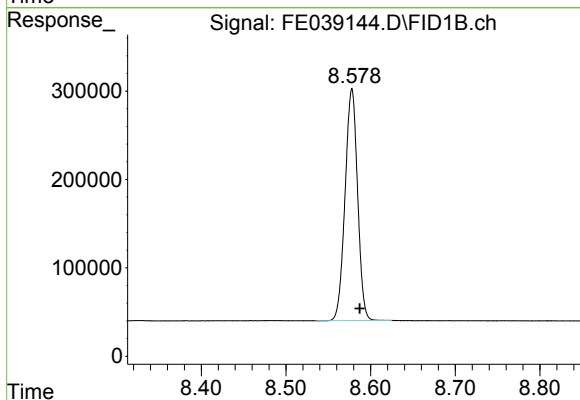
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.386 min  
Delta R.T.: -0.010 min  
Response: 2830620  
Conc: 18.91 ug/ml

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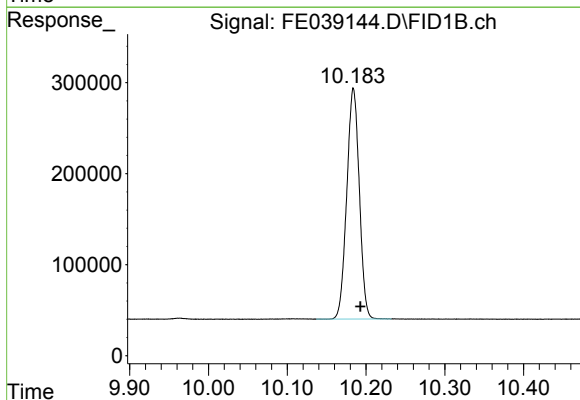
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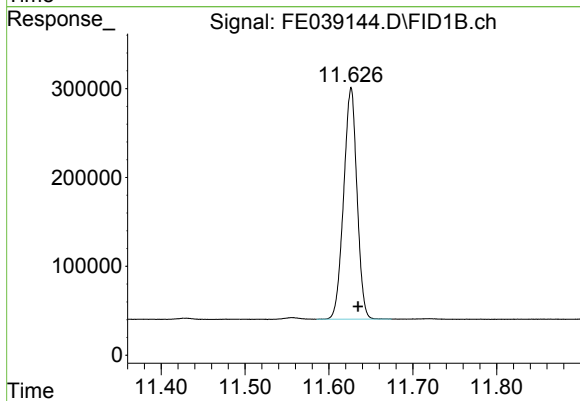
#6 n-Tetradecane (C14)

R.T.: 8.578 min  
Delta R.T.: -0.009 min  
Response: 2697577  
Conc: 18.89 ug/ml



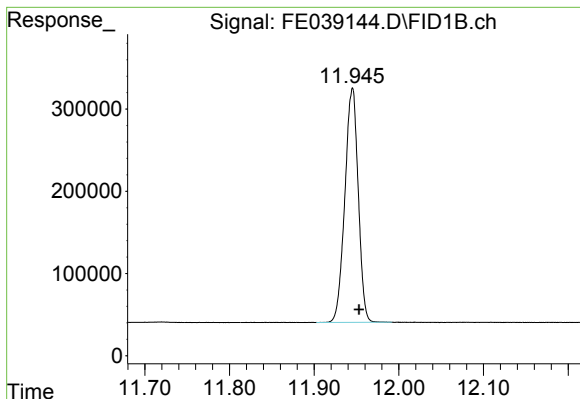
#7 n-Hexadecane (C16)

R.T.: 10.184 min  
Delta R.T.: -0.009 min  
Response: 2807280  
Conc: 19.20 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.626 min  
Delta R.T.: -0.008 min  
Response: 2883111  
Conc: 19.59 ug/ml



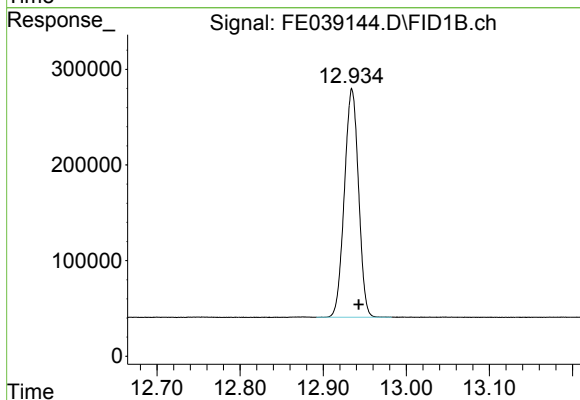
#9 ortho-Terphenyl (SURR)

R.T.: 11.945 min  
Delta R.T.: -0.008 min  
Response: 3125536  
Conc: 19.98 ug/ml

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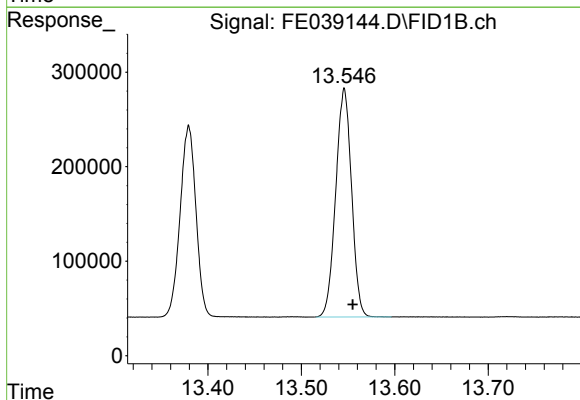
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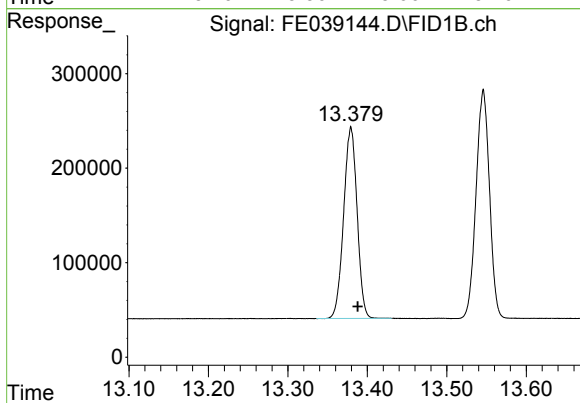
#10 n-Eicosane (C20)

R.T.: 12.935 min  
Delta R.T.: -0.008 min  
Response: 2824264  
Conc: 19.89 ug/ml



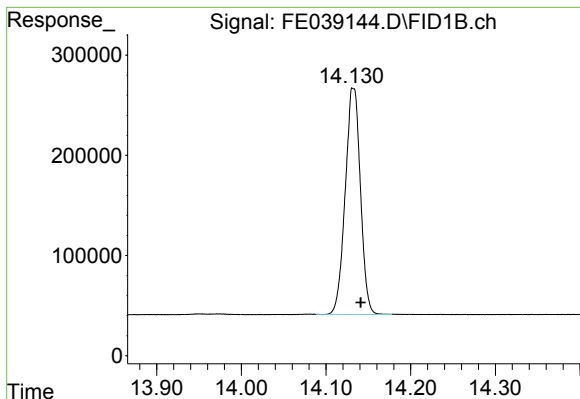
#11 n-Heneicosane (C21)

R.T.: 13.546 min  
Delta R.T.: -0.009 min  
Response: 2841897  
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.379 min  
Delta R.T.: -0.009 min  
Response: 2381667  
Conc: 19.73 ug/ml



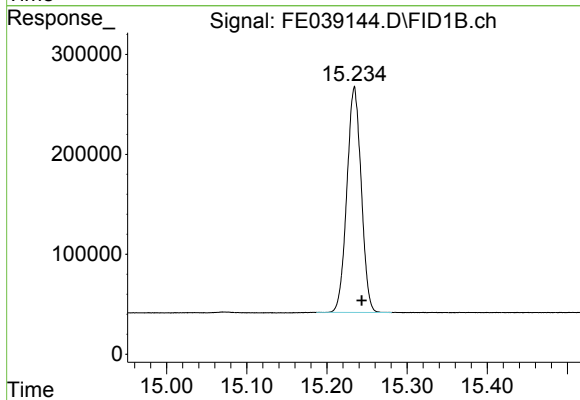
#13 n-Docosane (C22)

R.T.: 14.132 min  
Delta R.T.: -0.009 min  
Response: 2816002  
Conc: 20.14 ug/ml

Instrument :  
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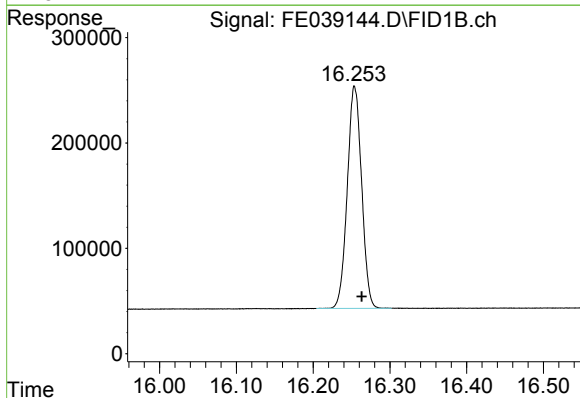
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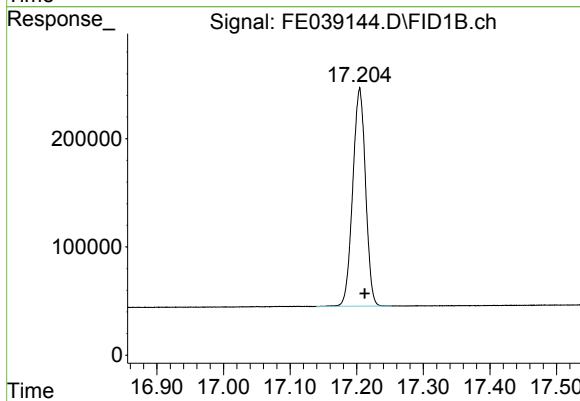
#14 n-Tetracosane (C24)

R.T.: 15.234 min  
Delta R.T.: -0.009 min  
Response: 2801422  
Conc: 20.28 ug/ml



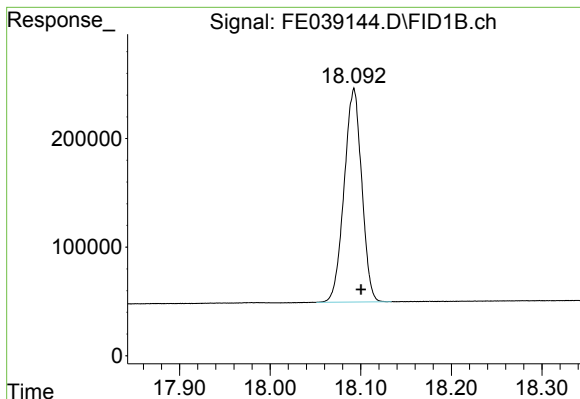
#15 n-Hexacosane (C26)

R.T.: 16.254 min  
Delta R.T.: -0.009 min  
Response: 2736242  
Conc: 20.37 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.205 min  
Delta R.T.: -0.007 min  
Response: 2695183  
Conc: 20.30 ug/ml



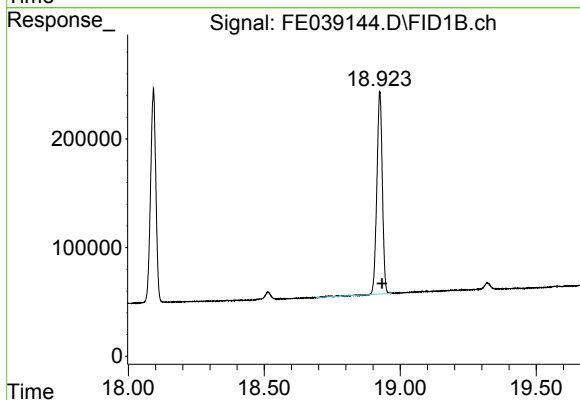
#17 n-Tricontane (C30)

R.T.: 18.093 min  
Delta R.T.: -0.008 min  
Response: 2649284  
Conc: 20.06 ug/ml

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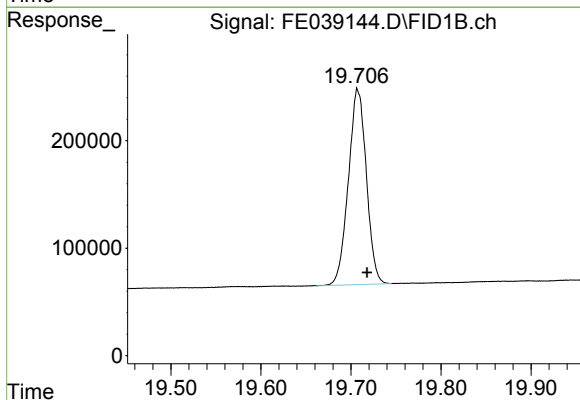
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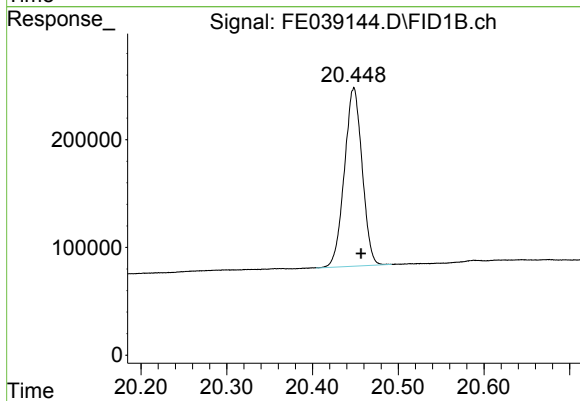
#18 n-Dotriacontane (C32)

R.T.: 18.925 min  
Delta R.T.: -0.009 min  
Response: 2620735  
Conc: 19.65 ug/ml



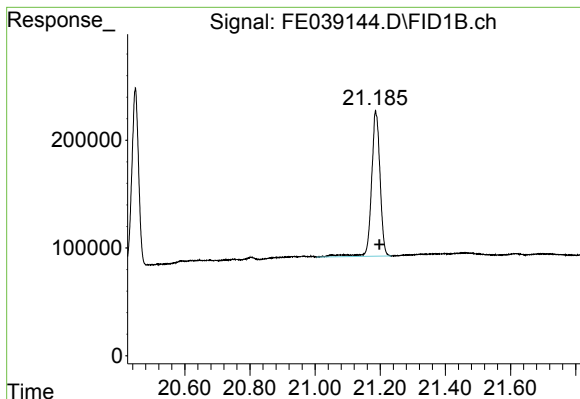
#19 n-Tetratriacontane (C34)

R.T.: 19.706 min  
Delta R.T.: -0.011 min  
Response: 2525684  
Conc: 19.09 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.448 min  
Delta R.T.: -0.009 min  
Response: 2378660  
Conc: 18.52 ug/ml m



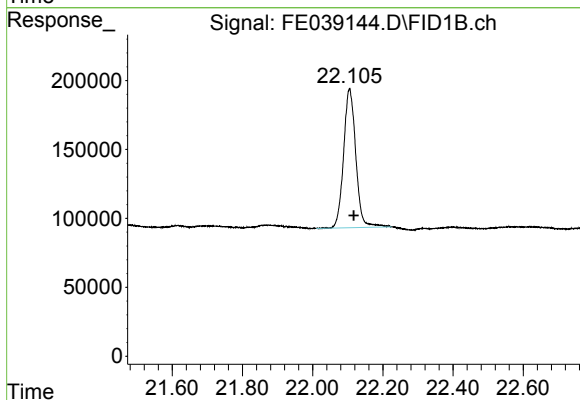
#21 n-Octatriacontane (C38)

R.T.: 21.186 min  
Delta R.T.: -0.011 min  
Response: 2453505  
Conc: 18.72 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.105 min  
Delta R.T.: -0.012 min  
Response: 2426209  
Conc: 17.82 ug/ml