

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE121223AL\  
 Data File : FE045768.D  
 Signal(s) : FID1B.ch  
 Acq On : 12 Dec 2023 06:35  
 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 12/13/2023  
 Supervised By :Ankita Jodhani 12/13/2023

Integration File: autoint1.e  
 Quant Time: Dec 12 22:36:15 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 113023.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Nov 30 12:25:07 2023  
 Response via : Initial Calibration  
 Integrator: ChemStation

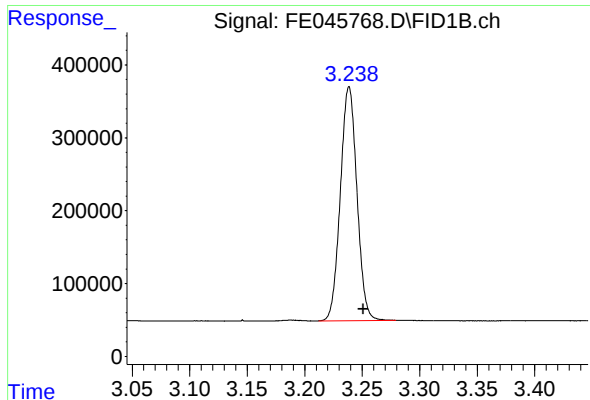
Volume Inj. : 1 ul  
 Signal Phase : Rxi-1ms  
 Signal Info : 20M x 0.18mm x 0.18um

| Compound                       | R.T.   | Response   | Conc Units    |
|--------------------------------|--------|------------|---------------|
| -----                          |        |            |               |
| System Monitoring Compounds    |        |            |               |
| 9) S ortho-Terphenyl (SURR)    | 11.851 | 3924602    | 18.768 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 37.54%        |
| 12) S 1-chlorooctadecane (S... | 13.295 | 2910166    | 18.495 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 36.99%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.238  | 3221299    | 20.314 ug/mlm |
| 2) T n-Decane (C10)            | 4.489  | 3310274    | 20.672 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.190  | 3587963    | 20.597 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.656  | 3339736    | 20.676 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.287  | 3473936    | 20.457 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.483  | 3319619    | 20.693 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.093 | 3375763    | 20.386 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.538 | 3375490    | 19.688 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.849 | 3252367    | 18.797 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.462 | 3176000    | 18.462 ug/ml  |
| 13) T n-Docosane (C22)         | 14.049 | 3156497    | 18.307 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.155 | 3133001    | 17.946 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.178 | 3066731    | 17.609 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.130 | 3071143    | 17.769 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.020 | 3172248    | 18.133 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.855 | 3182494    | 17.444 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.642 | 3013274    | 18.160 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.384 | 2903727    | 18.293 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.118 | 2915506    | 18.592 ug/ml  |
| 22) T n-Tetracontane (C40)     | 22.022 | 3214868    | 22.622 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.





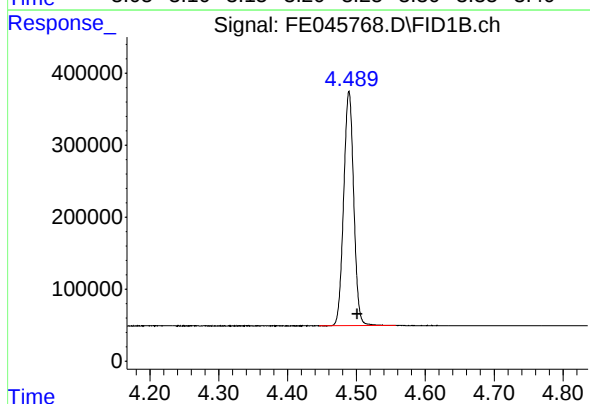
#1 n-Nonane (C9)

R.T.: 3.238 min  
Delta R.T.: -0.013 min  
Response: 3221299  
Conc: 20.31 ug/ml

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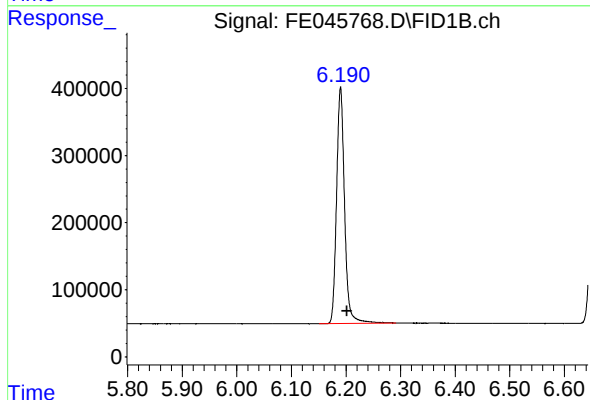
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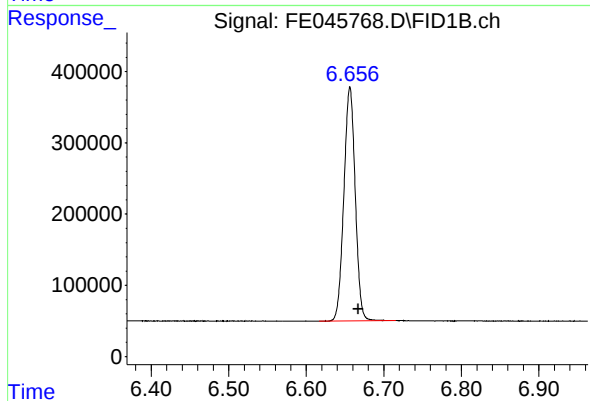
#2 n-Decane (C10)

R.T.: 4.489 min  
Delta R.T.: -0.012 min  
Response: 3310274  
Conc: 20.67 ug/ml



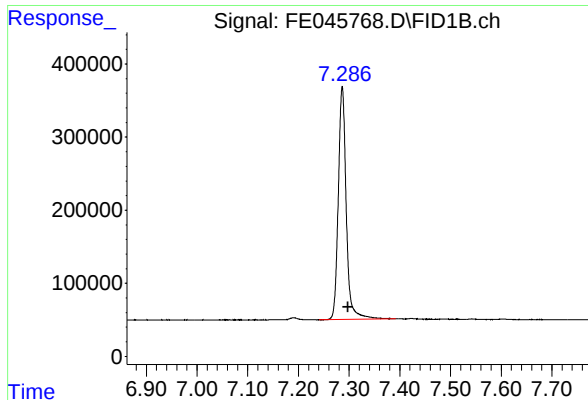
#3 A~Naphthalene (C11.7)

R.T.: 6.190 min  
Delta R.T.: -0.011 min  
Response: 3587963  
Conc: 20.60 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.656 min  
Delta R.T.: -0.011 min  
Response: 3339736  
Conc: 20.68 ug/ml



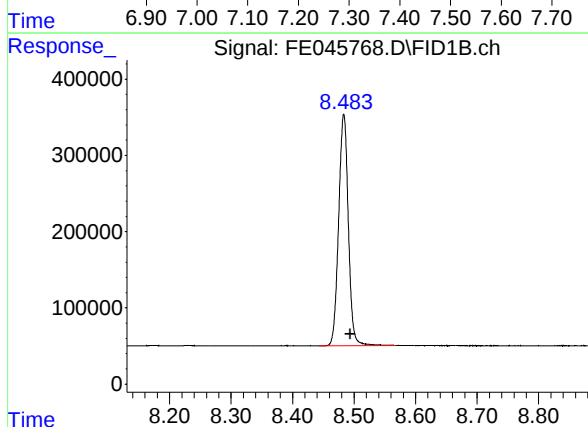
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.287 min  
Delta R.T.: -0.011 min  
Response: 3473936  
Conc: 20.46 ug/ml

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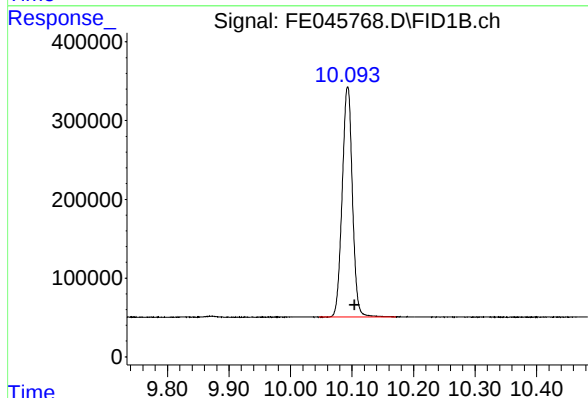
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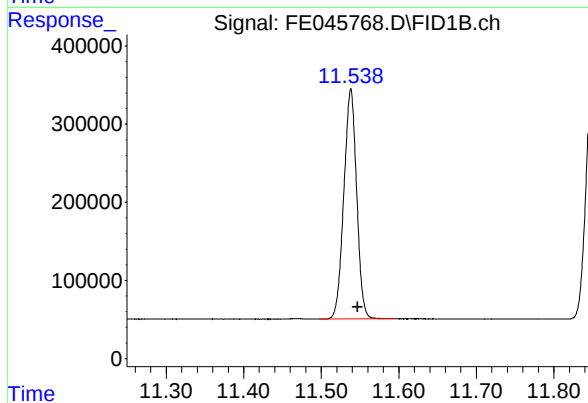
#6 n-Tetradecane (C14)

R.T.: 8.483 min  
Delta R.T.: -0.011 min  
Response: 3319619  
Conc: 20.69 ug/ml



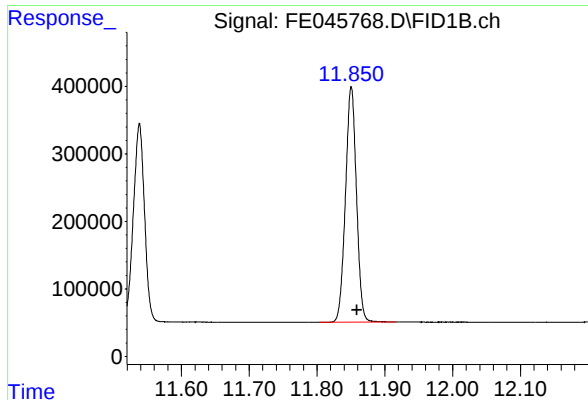
#7 n-Hexadecane (C16)

R.T.: 10.093 min  
Delta R.T.: -0.011 min  
Response: 3375763  
Conc: 20.39 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.538 min  
Delta R.T.: -0.009 min  
Response: 3375490  
Conc: 19.69 ug/ml



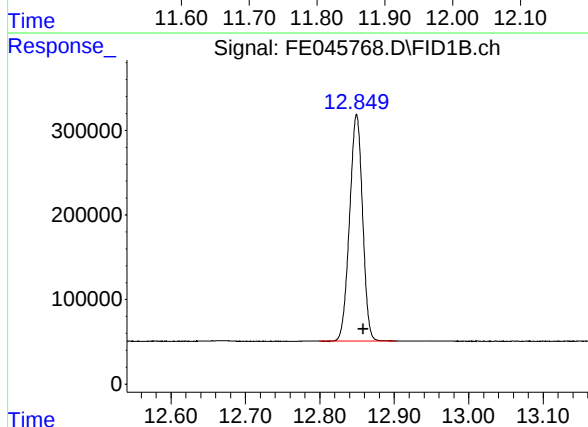
#9 ortho-Terphenyl (SURR)

R.T.: 11.851 min  
Delta R.T.: -0.008 min  
Response: 3924602  
Conc: 18.77 ug/ml

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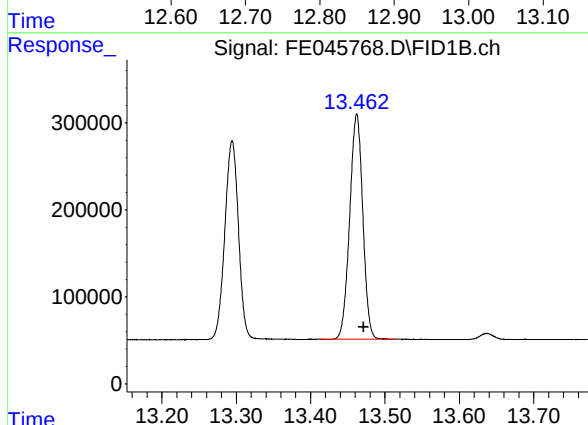
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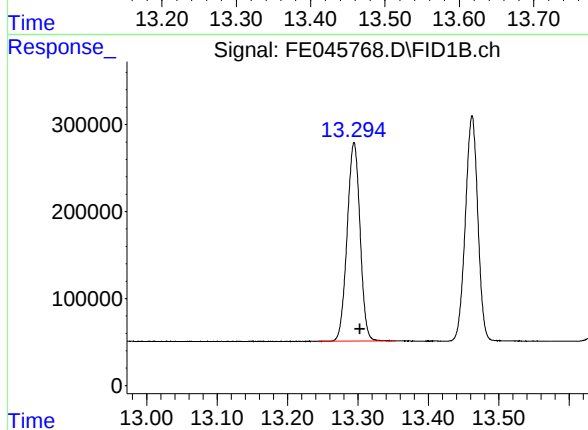
#10 n-Eicosane (C20)

R.T.: 12.849 min  
Delta R.T.: -0.009 min  
Response: 3252367  
Conc: 18.80 ug/ml



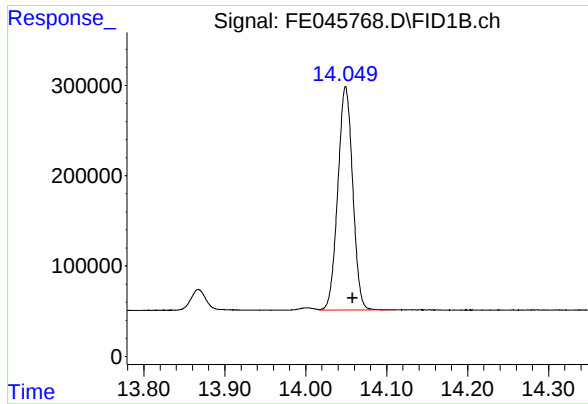
#11 n-Heneicosane (C21)

R.T.: 13.462 min  
Delta R.T.: -0.009 min  
Response: 3176000  
Conc: 18.46 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.295 min  
Delta R.T.: -0.008 min  
Response: 2910166  
Conc: 18.50 ug/ml



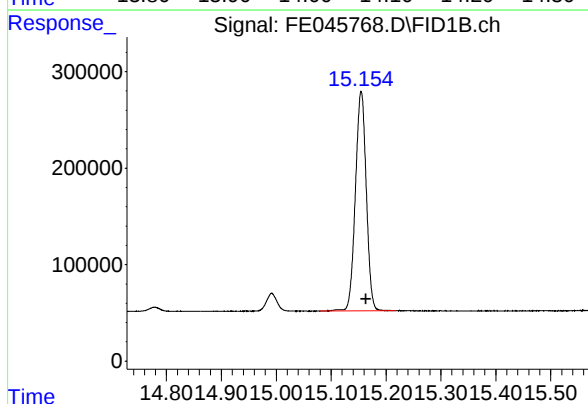
#13 n-Docosane (C22)

R.T.: 14.049 min  
Delta R.T.: -0.009 min  
Response: 3156497  
Conc: 18.31 ug/ml

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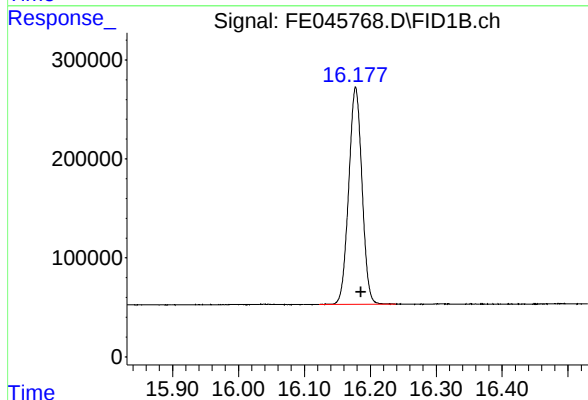
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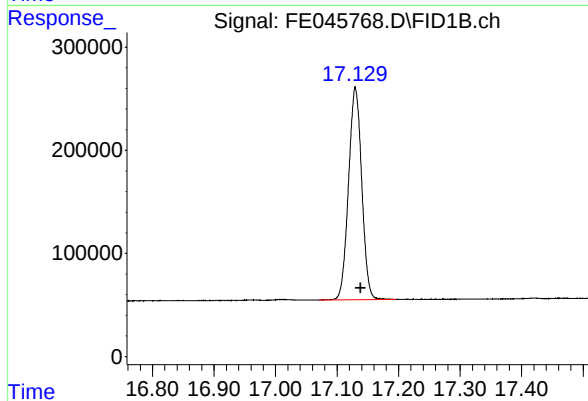
#14 n-Tetracosane (C24)

R.T.: 15.155 min  
Delta R.T.: -0.009 min  
Response: 3133001  
Conc: 17.95 ug/ml



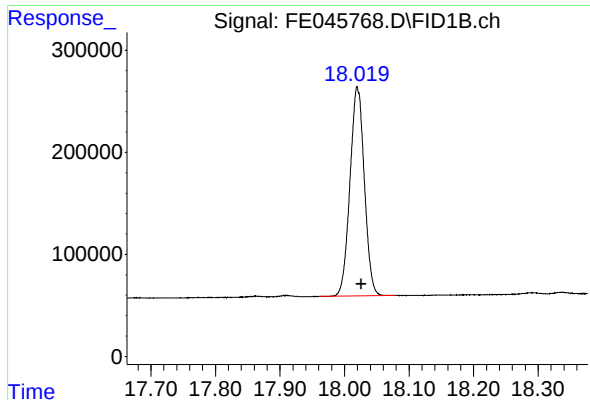
#15 n-Hexacosane (C26)

R.T.: 16.178 min  
Delta R.T.: -0.008 min  
Response: 3066731  
Conc: 17.61 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.130 min  
Delta R.T.: -0.009 min  
Response: 3071143  
Conc: 17.77 ug/ml



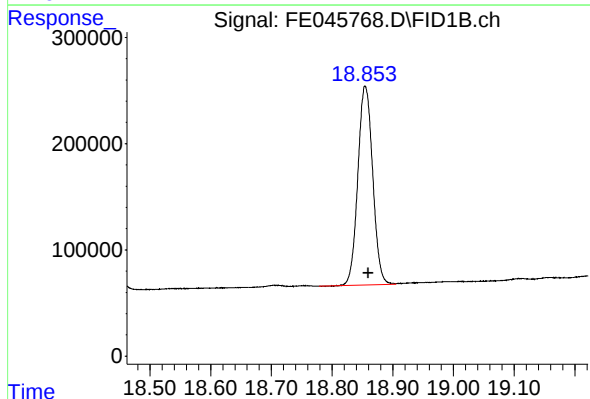
#17 n-Tricontane (C30)

R.T.: 18.020 min  
Delta R.T.: -0.006 min  
Response: 3172248  
Conc: 18.13 ug/ml

Instrument :  
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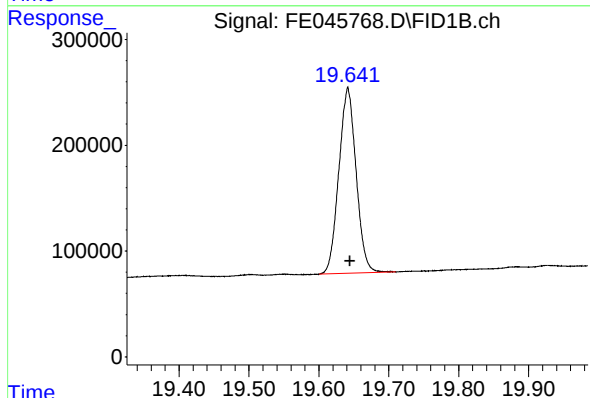
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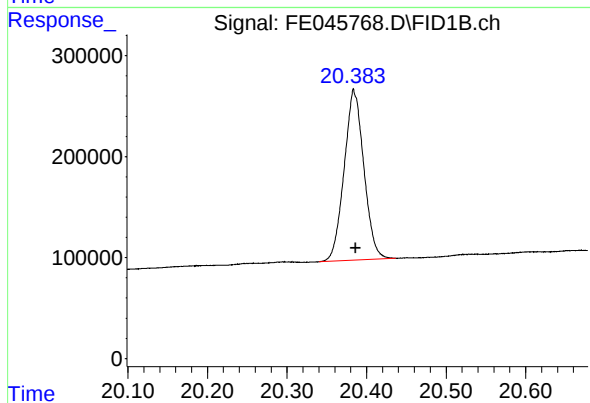
#18 n-Dotriacontane (C32)

R.T.: 18.855 min  
Delta R.T.: -0.005 min  
Response: 3182494  
Conc: 17.44 ug/ml



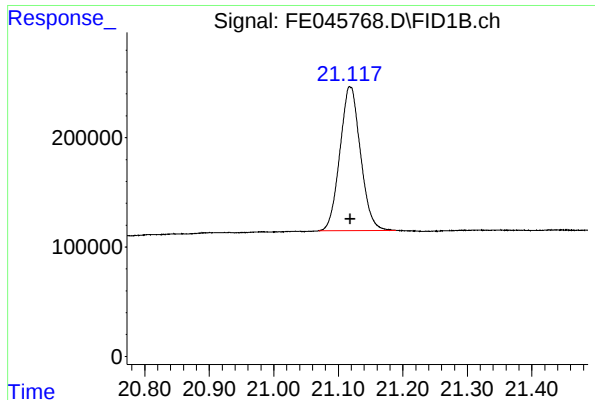
#19 n-Tetatriacontane (C34)

R.T.: 19.642 min  
Delta R.T.: -0.003 min  
Response: 3013274  
Conc: 18.16 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.384 min  
Delta R.T.: -0.002 min  
Response: 2903727  
Conc: 18.29 ug/ml



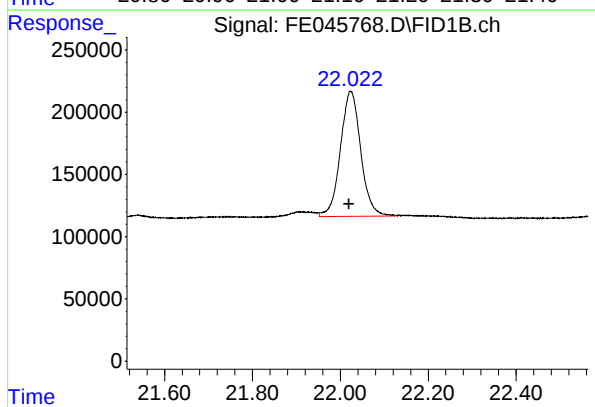
#21 n-Octatriacontane (C38)

R.T.: 21.118 min  
Delta R.T.: 0.000 min  
Response: 2915506  
Conc: 18.59 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.022 min  
Delta R.T.: 0.003 min  
Response: 3214868  
Conc: 22.62 ug/ml m