

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE121223AL\  
 Data File : FE045774.D  
 Signal(s) : FID1B.ch  
 Acq On : 12 Dec 2023 17:46  
 Operator : YP\AJ  
 Sample : PB157735BS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

**Instrument :**

FID\_E

**ClientSampleId :**

PB157735BS

**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 22:37:07 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

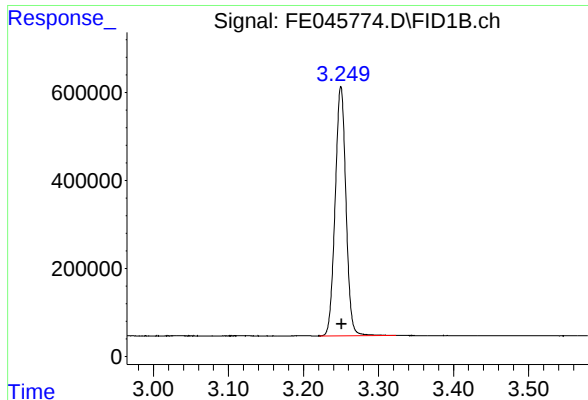
Signal Info : 20M x 0.18mm x 0.18um

| Compound                       | R.T.   | Response   | Conc Units    |
|--------------------------------|--------|------------|---------------|
| -----                          |        |            |               |
| System Monitoring Compounds    |        |            |               |
| 9) S ortho-Terphenyl (SURR)    | 11.853 | 8263286    | 39.515 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 79.03%        |
| 12) S 1-chlorooctadecane (S... | 13.295 | 6252639    | 39.738 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 79.48%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.250  | 5659781    | 35.691 ug/ml  |
| 2) T n-Decane (C10)            | 4.496  | 6111748    | 38.166 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.192  | 7300964    | 41.913 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.658  | 6828600    | 42.275 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.288  | 7512129    | 44.236 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.486  | 7431399    | 46.324 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.094 | 7582838    | 45.792 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.539 | 7625512    | 44.477 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.851 | 7566037    | 43.729 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.463 | 7172993    | 41.696 ug/ml  |
| 13) T n-Docosane (C22)         | 14.050 | 7073813    | 41.026 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.146 | 13805808   | 79.080 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.180 | 6667353    | 38.284 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.130 | 6597158    | 38.171 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.022 | 6491549    | 37.106 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.855 | 6424993    | 35.218 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.642 | 6383342    | 38.470 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.384 | 6350831    | 40.008 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.118 | 6613602    | 42.173 ug/ml  |
| 22) T n-Tetracontane (C40)     | 22.023 | 7079961    | 49.819 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta &gt; 1/2 Window

(m)=manual int.





#1 n-Nonane (C9)

R.T.: 3.250 min  
Delta R.T.: -0.001 min  
Response: 5659781  
Conc: 35.69 ug/ml

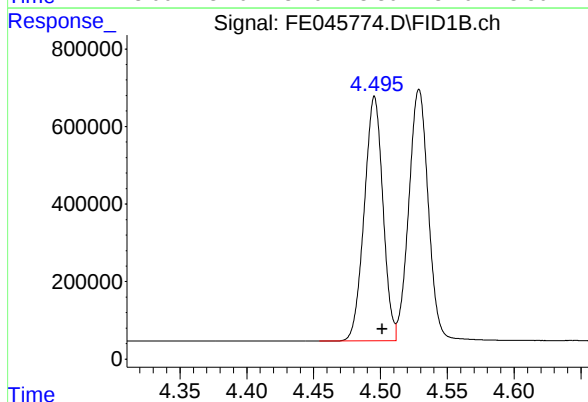
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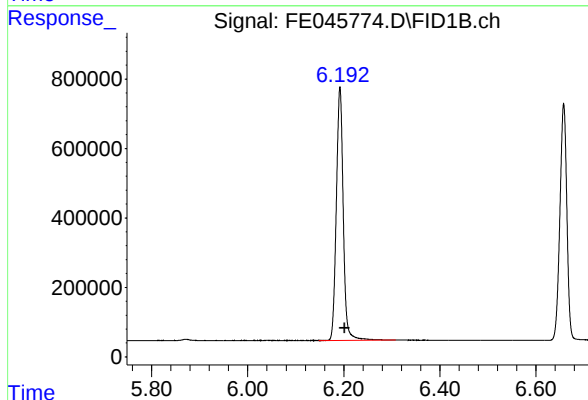
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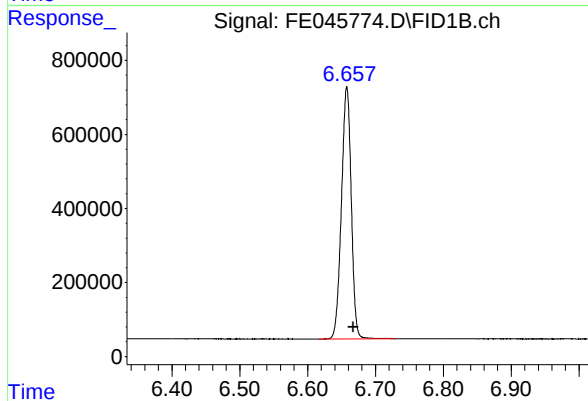
#2 n-Decane (C10)

R.T.: 4.496 min  
Delta R.T.: -0.006 min  
Response: 6111748  
Conc: 38.17 ug/ml



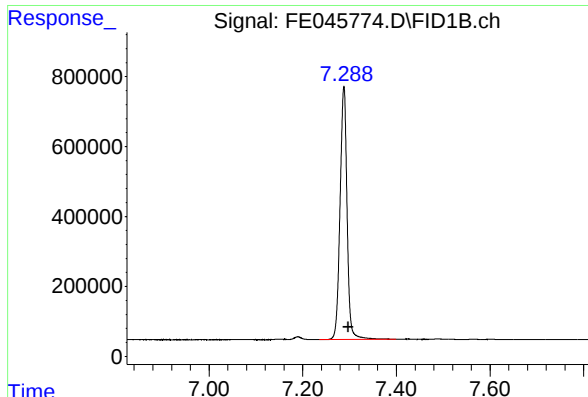
#3 A~Naphthalene (C11.7)

R.T.: 6.192 min  
Delta R.T.: -0.009 min  
Response: 7300964  
Conc: 41.91 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.658 min  
Delta R.T.: -0.009 min  
Response: 6828600  
Conc: 42.27 ug/ml



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

R.T.: 7.288 min  
Delta R.T.: -0.009 min  
Response: 7512129  
Conc: 44.24 ug/ml

Instrument :

FID\_E

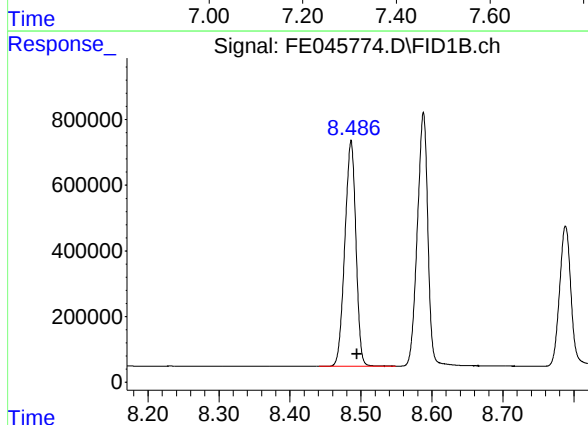
ClientSampleId :

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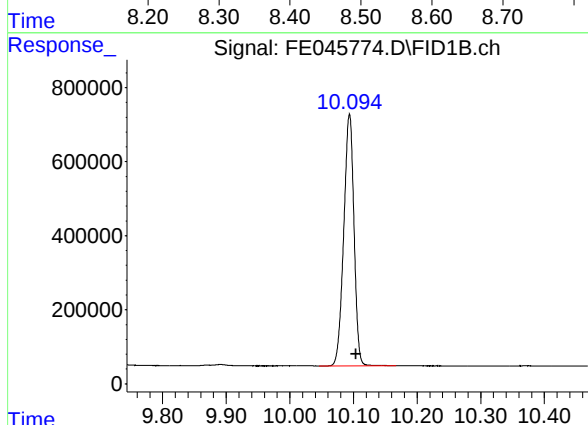
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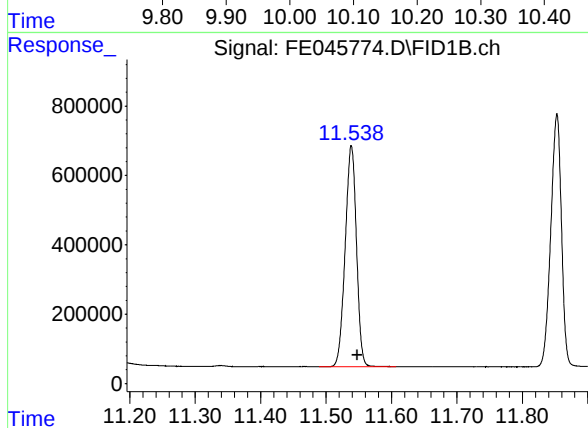
#6 n-Tetradecane (C14)

R.T.: 8.486 min  
Delta R.T.: -0.008 min  
Response: 7431399  
Conc: 46.32 ug/ml



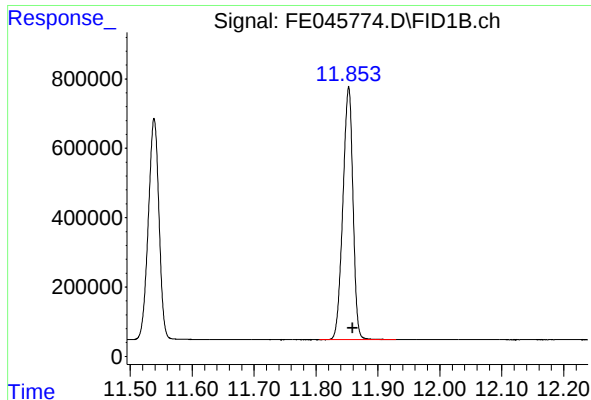
#7 n-Hexadecane (C16)

R.T.: 10.094 min  
Delta R.T.: -0.010 min  
Response: 7582838  
Conc: 45.79 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.539 min  
Delta R.T.: -0.009 min  
Response: 7625512  
Conc: 44.48 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 11.853 min  
Delta R.T.: -0.006 min  
Response: 8263286  
Conc: 39.52 ug/ml

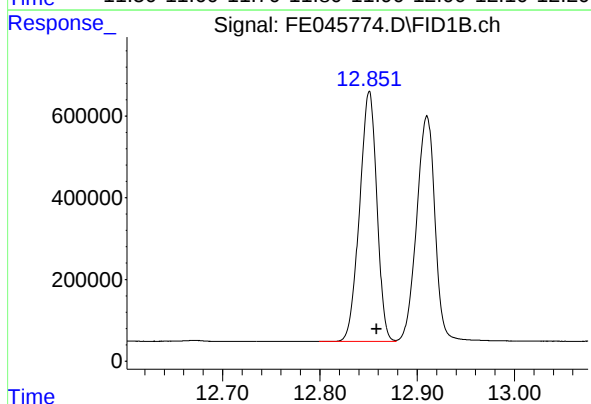
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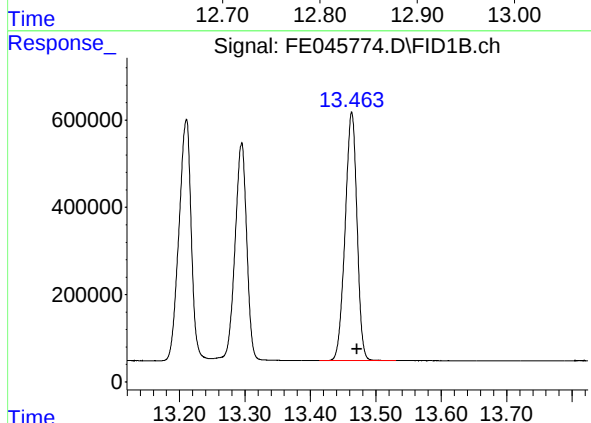
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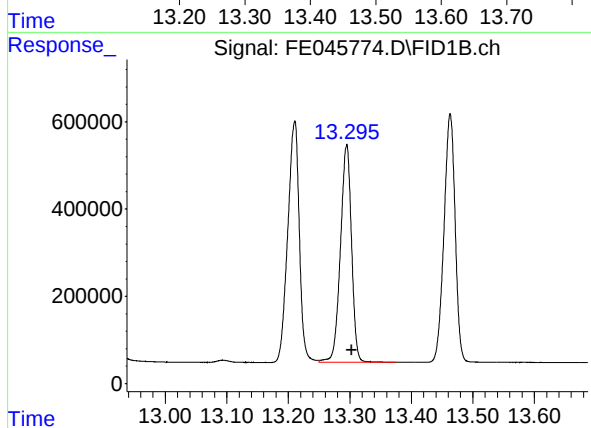
#10 n-Eicosane (C20)

R.T.: 12.851 min  
Delta R.T.: -0.007 min  
Response: 7566037  
Conc: 43.73 ug/ml



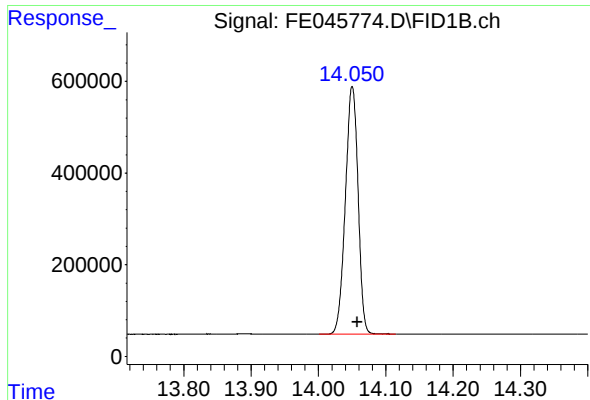
#11 n-Heneicosane (C21)

R.T.: 13.463 min  
Delta R.T.: -0.008 min  
Response: 7172993  
Conc: 41.70 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.295 min  
Delta R.T.: -0.008 min  
Response: 6252639  
Conc: 39.74 ug/ml



#13 n-Docosane (C22)

R.T.: 14.050 min  
Delta R.T.: -0.008 min  
Response: 7073813  
Conc: 41.03 ug/ml

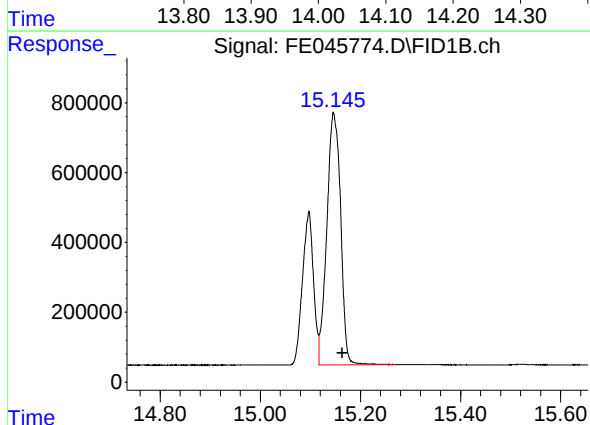
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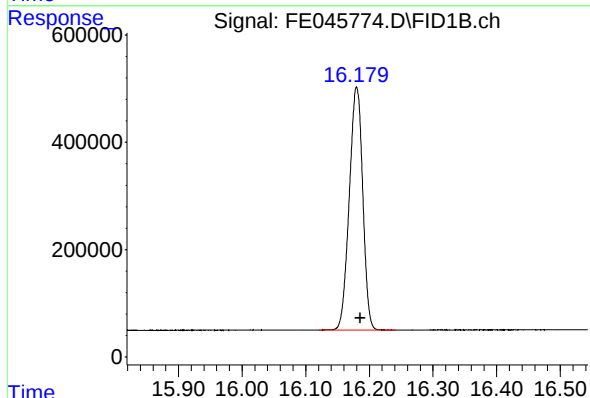
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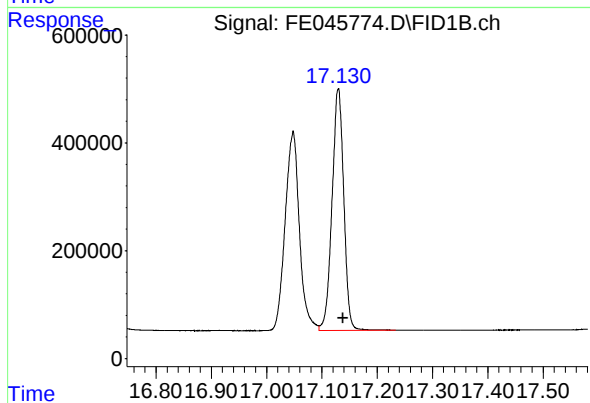
#14 n-Tetracosane (C24)

R.T.: 15.146 min  
Delta R.T.: -0.018 min  
Response: 13805808  
Conc: 79.08 ug/ml



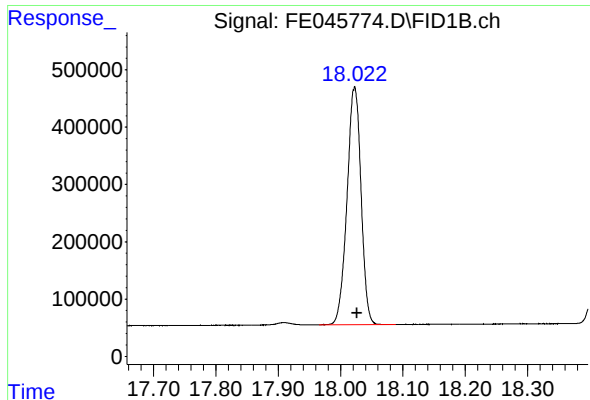
#15 n-Hexacosane (C26)

R.T.: 16.180 min  
Delta R.T.: -0.006 min  
Response: 6667353  
Conc: 38.28 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.130 min  
Delta R.T.: -0.009 min  
Response: 6597158  
Conc: 38.17 ug/ml



#17 n-Tricontane (C30)

R.T.: 18.022 min  
Delta R.T.: -0.004 min  
Response: 6491549  
Conc: 37.11 ug/ml

Instrument :

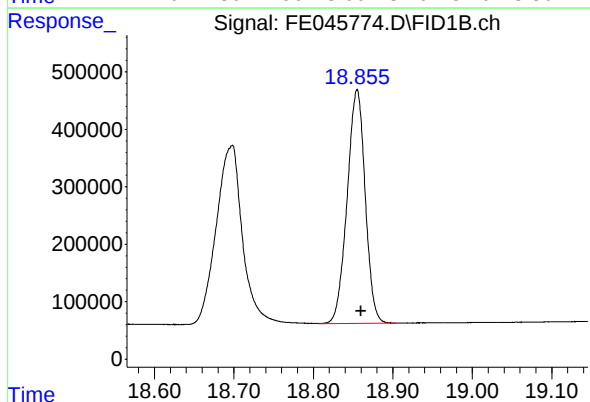
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ClientSampleId :

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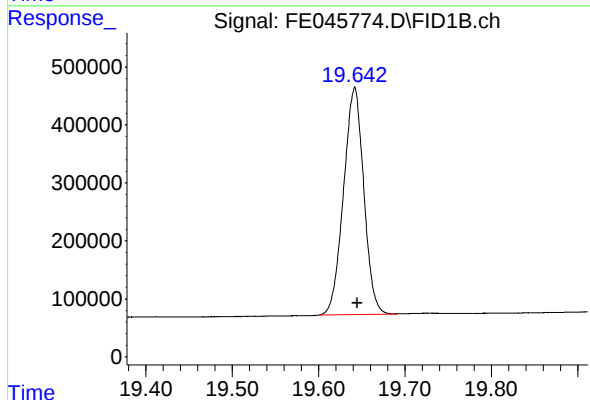
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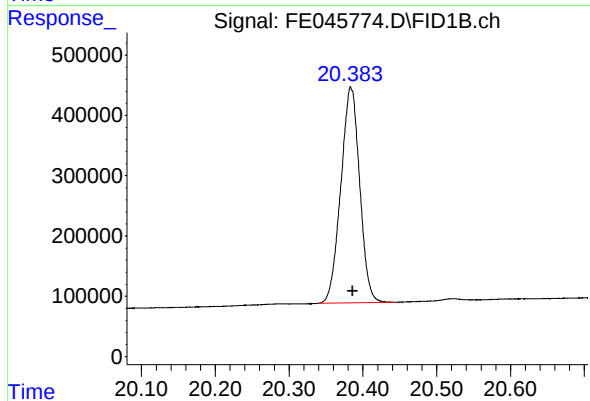
#18 n-Dotriacontane (C32)

R.T.: 18.855 min  
Delta R.T.: -0.005 min  
Response: 6424993  
Conc: 35.22 ug/ml



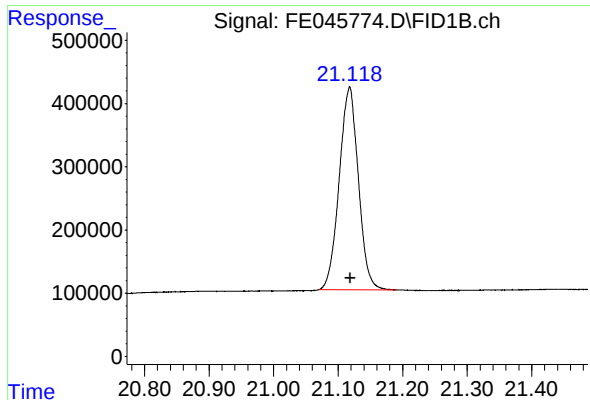
#19 n-Tetratriacontane (C34)

R.T.: 19.642 min  
Delta R.T.: -0.003 min  
Response: 6383342  
Conc: 38.47 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.384 min  
Delta R.T.: -0.002 min  
Response: 6350831  
Conc: 40.01 ug/ml



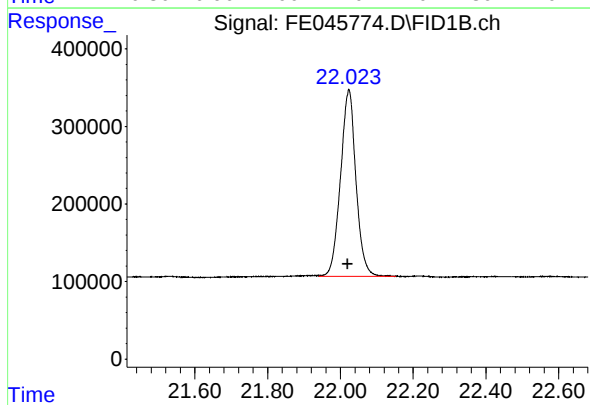
#21 n-Octatriacontane (C38)

R.T.: 21.118 min  
Delta R.T.: -0.001 min  
Response: 6613602  
Conc: 42.17 ug/ml

Instrument :  
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#22 n-Tetracontane (C40)

R.T.: 22.023 min  
Delta R.T.: 0.003 min  
Response: 7079961  
Conc: 49.82 ug/ml m