

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE060222AL\  
 Data File : FE035854.D  
 Signal(s) : FID1B.CH  
 Acq On : 02 Jun 2022 9:14  
 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 06/02/2022  
 Supervised By :Ankita Jodhani 06/03/2022

Integration File: autoint1.e  
 Quant Time: Jun 02 09:47:35 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 051022.M  
 Quant Title : GC Extractables  
 QLast Update : Wed May 11 03:24:10 2022  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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)    | 10.955 | 2585570    | 19.492 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 38.98%        |
| 12) S 1-chlorooctadecane (S... | 12.386 | 1987343    | 18.999 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 38.00%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 2.804  | 2525746    | 21.148 ug/ml  |
| 2) T n-Decane (C10)            | 3.818  | 2489897    | 21.041 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.386  | 2708200    | 20.267 ug/ml  |
| 4) T n-Dodecane (C12)          | 5.808  | 2490979    | 20.792 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.435  | 2704046    | 19.996 ug/ml  |
| 6) T n-Tetradecane (C14)       | 7.597  | 2431127    | 20.397 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.195  | 2384425    | 19.997 ug/ml  |
| 8) T n-Octadecane (C18)        | 10.633 | 2357626    | 19.667 ug/ml  |
| 10) T n-Eicosane (C20)         | 11.941 | 2304656    | 19.318 ug/ml  |
| 11) T n-Heneicosane (C21)      | 12.552 | 2304105    | 19.190 ug/ml  |
| 13) T n-Docosane (C22)         | 13.137 | 2293202    | 19.042 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.238 | 2312590    | 19.112 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.257 | 2287143    | 18.900 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.205 | 2290402    | 18.898 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.091 | 2264728    | 18.835 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 17.921 | 2171192    | 18.893 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 18.702 | 2087875    | 19.301 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 19.442 | 1994828    | 19.803 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 20.179 | 1966521    | 20.640 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.094 | 2004029    | 21.459 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

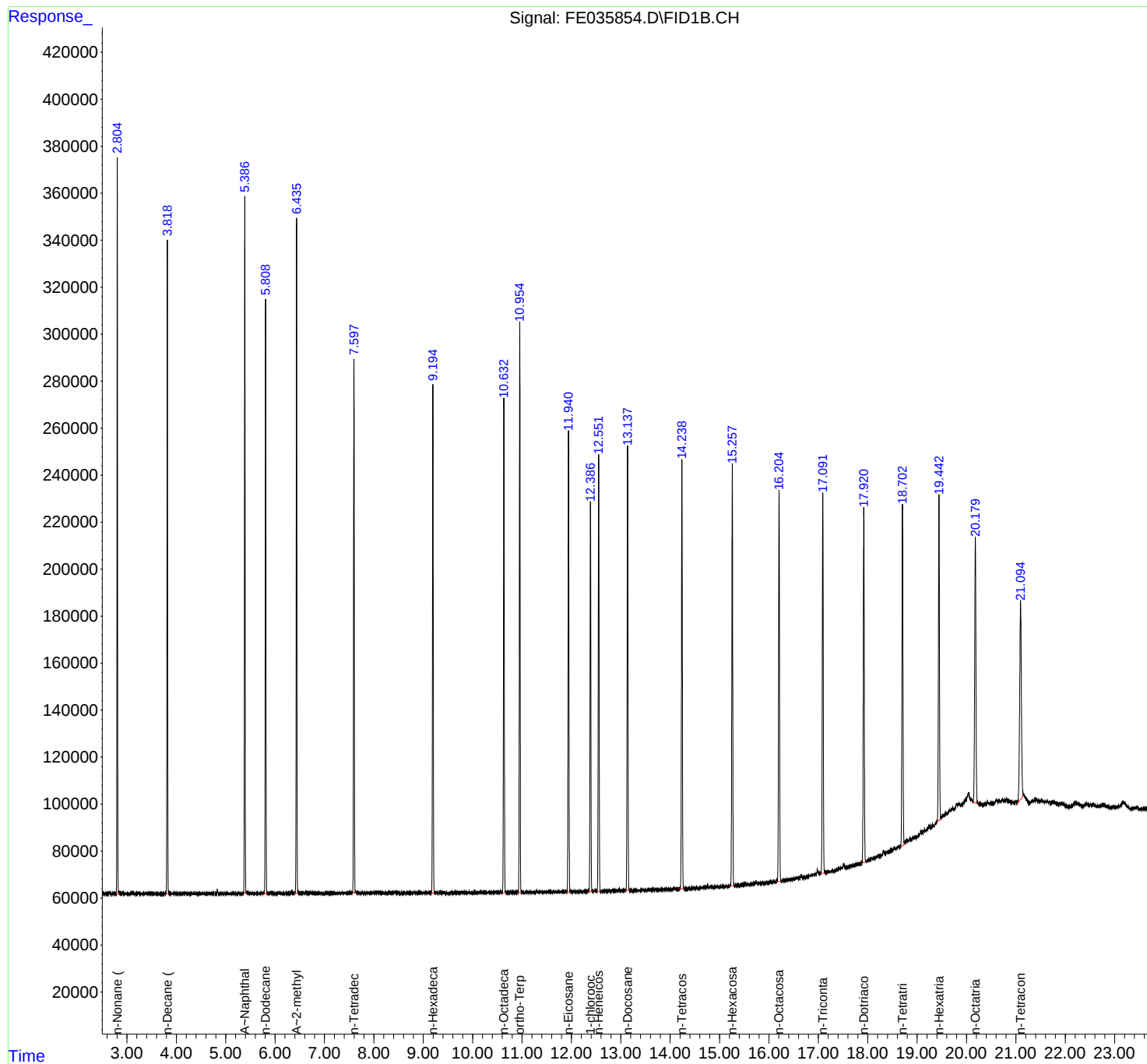
Instrument :  
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ClientSampleId :  
20 PPM ALIPHATIC HC STD

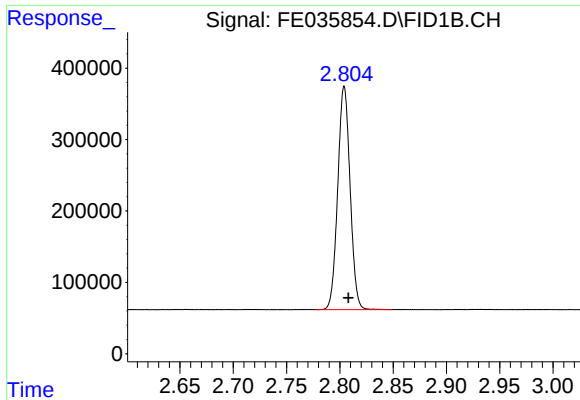
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Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18um





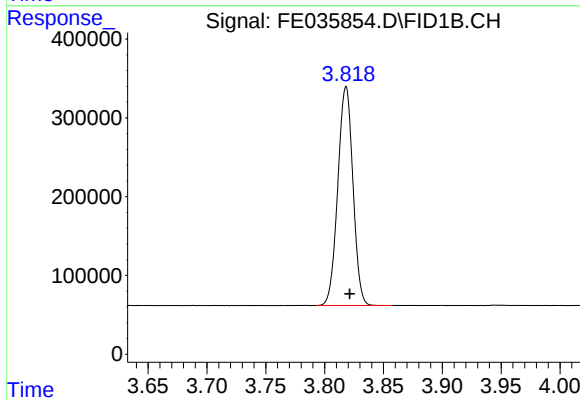
#1 n-Nonane (C9)

R.T.: 2.804 min  
Delta R.T.: -0.004 min  
Response: 2525746  
Conc: 21.15 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

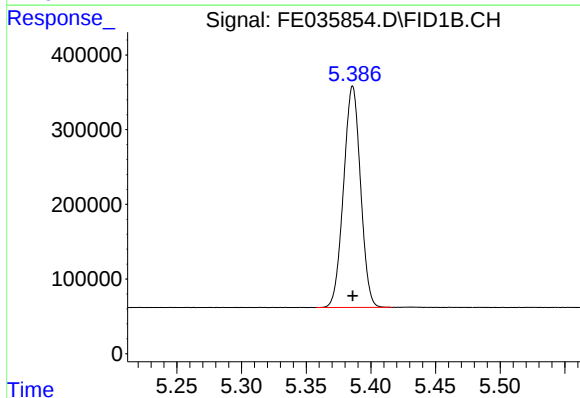
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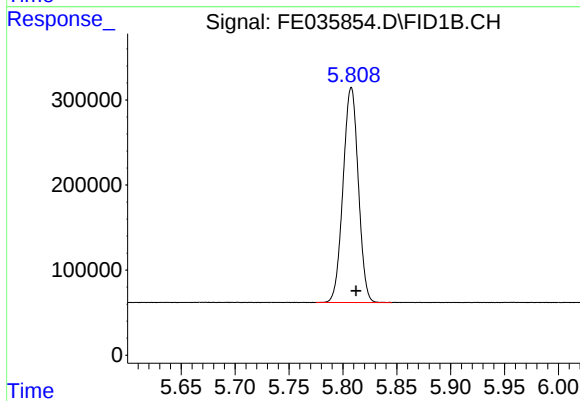
#2 n-Decane (C10)

R.T.: 3.818 min  
Delta R.T.: -0.003 min  
Response: 2489897  
Conc: 21.04 ug/ml



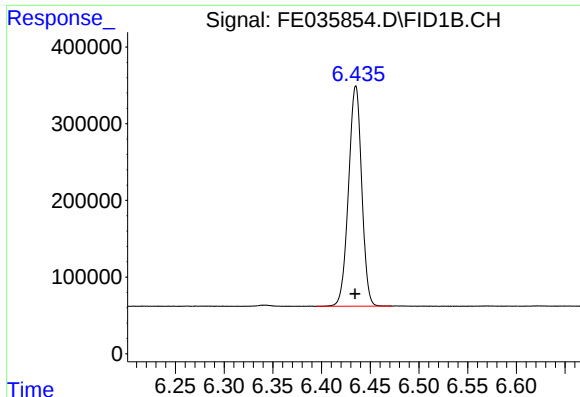
#3 A~Naphthalene (C11.7)

R.T.: 5.386 min  
Delta R.T.: 0.000 min  
Response: 2708200  
Conc: 20.27 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.808 min  
Delta R.T.: -0.004 min  
Response: 2490979  
Conc: 20.79 ug/ml



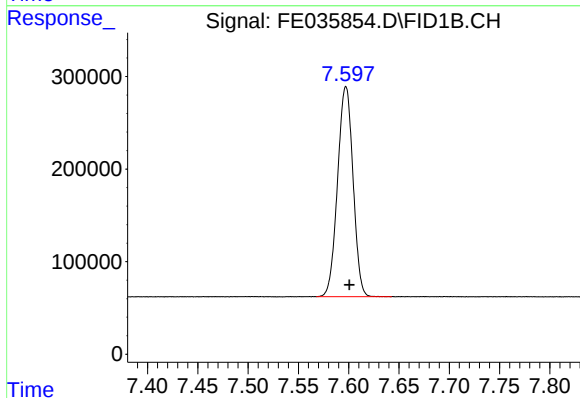
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.435 min  
Delta R.T.: 0.000 min  
Response: 2704046  
Conc: 20.00 ug/ml

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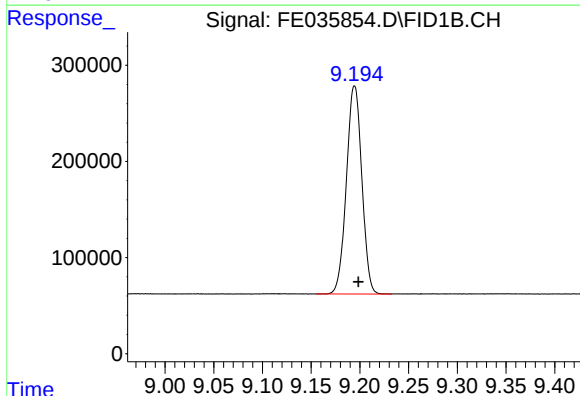
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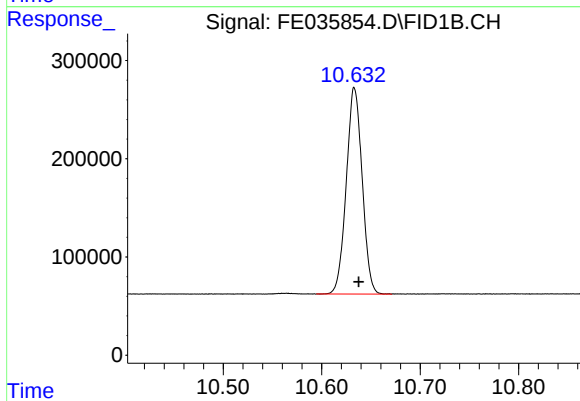
#6 n-Tetradecane (C14)

R.T.: 7.597 min  
Delta R.T.: -0.003 min  
Response: 2431127  
Conc: 20.40 ug/ml



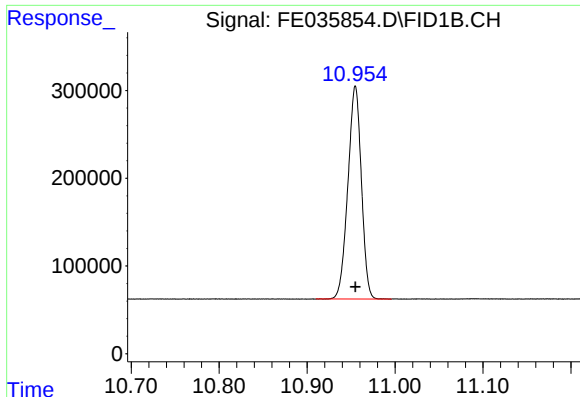
#7 n-Hexadecane (C16)

R.T.: 9.195 min  
Delta R.T.: -0.004 min  
Response: 2384425  
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.633 min  
Delta R.T.: -0.004 min  
Response: 2357626  
Conc: 19.67 ug/ml



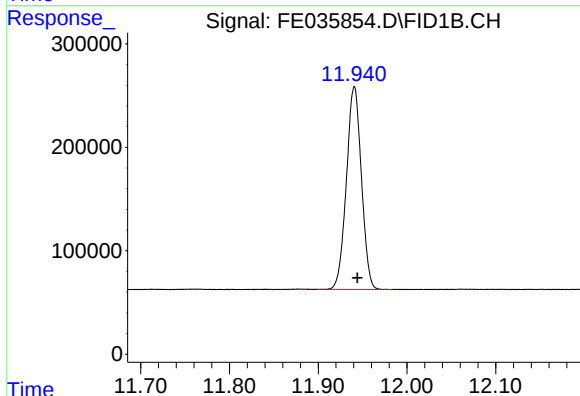
#9 ortho-Terphenyl (SURR)

R.T.: 10.955 min  
Delta R.T.: 0.000 min  
Response: 2585570  
Conc: 19.49 ug/ml

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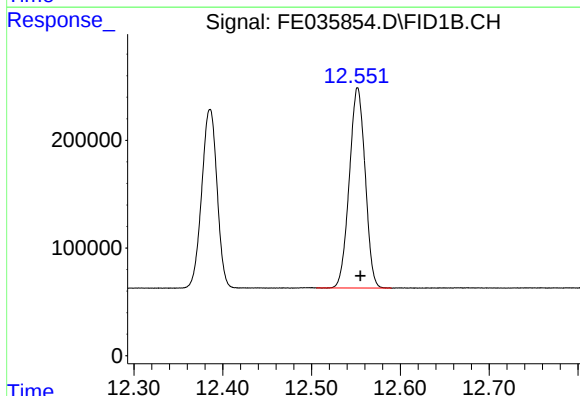
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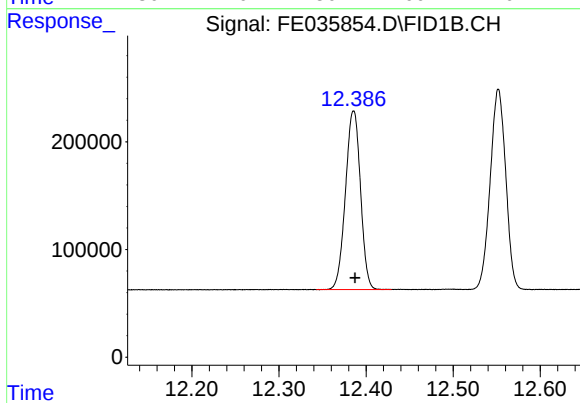
#10 n-Eicosane (C20)

R.T.: 11.941 min  
Delta R.T.: -0.003 min  
Response: 2304656  
Conc: 19.32 ug/ml



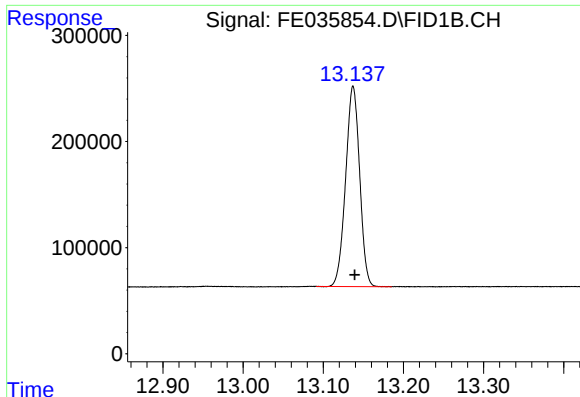
#11 n-Heneicosane (C21)

R.T.: 12.552 min  
Delta R.T.: -0.003 min  
Response: 2304105  
Conc: 19.19 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.386 min  
Delta R.T.: -0.002 min  
Response: 1987343  
Conc: 19.00 ug/ml



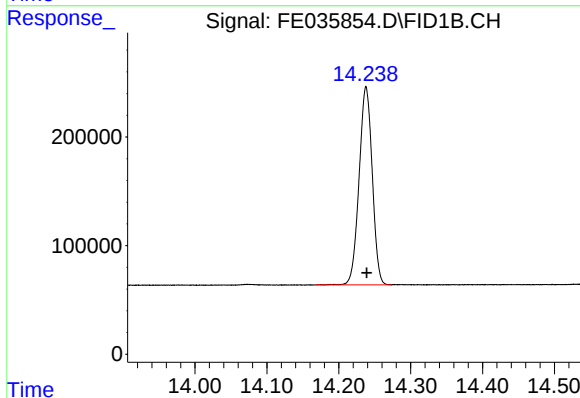
#13 n-Docosane (C22)

R.T.: 13.137 min  
Delta R.T.: -0.002 min  
Response: 2293202  
Conc: 19.04 ug/ml

Instrument :  
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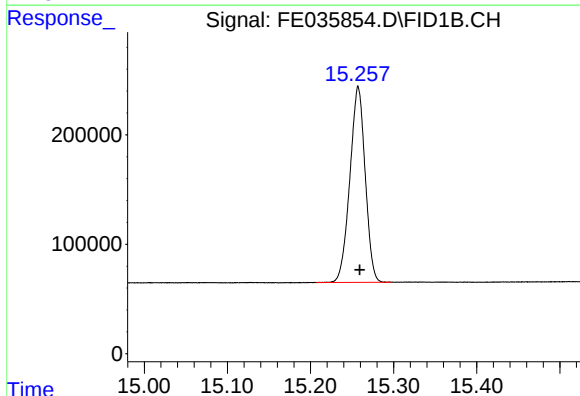
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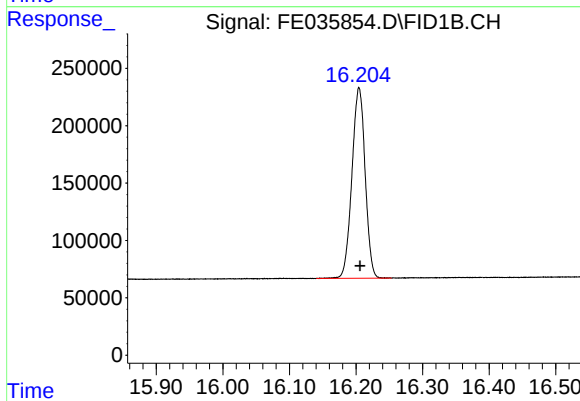
#14 n-Tetracosane (C24)

R.T.: 14.238 min  
Delta R.T.: 0.000 min  
Response: 2312590  
Conc: 19.11 ug/ml



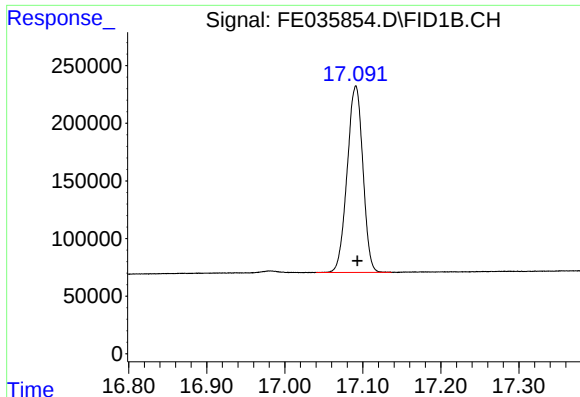
#15 n-Hexacosane (C26)

R.T.: 15.257 min  
Delta R.T.: -0.002 min  
Response: 2287143  
Conc: 18.90 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.205 min  
Delta R.T.: -0.002 min  
Response: 2290402  
Conc: 18.90 ug/ml



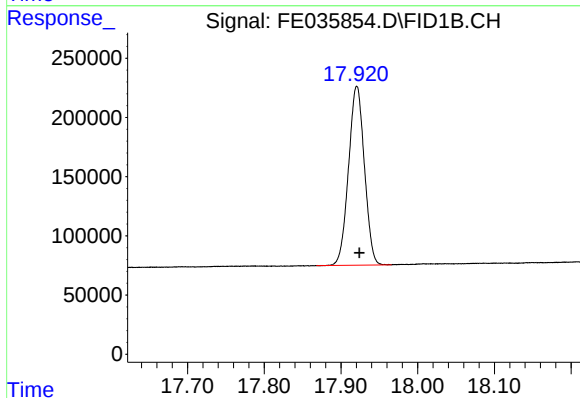
#17 n-Tricontane (C30)

R.T.: 17.091 min  
Delta R.T.: -0.002 min  
Response: 2264728  
Conc: 18.83 ug/ml

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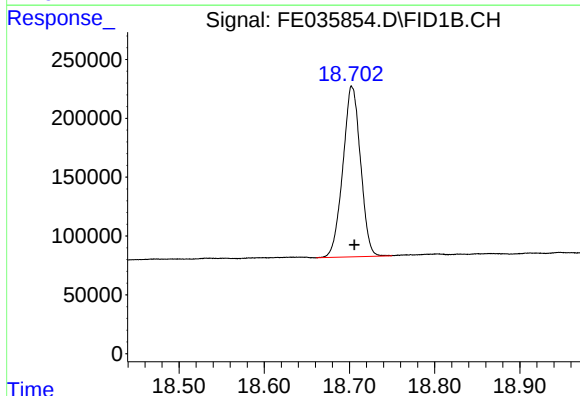
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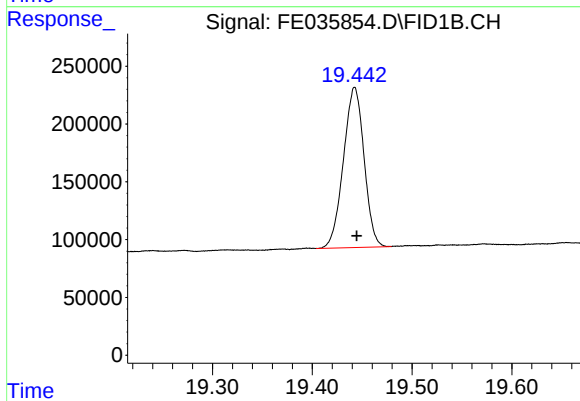
#18 n-Dotriacontane (C32)

R.T.: 17.921 min  
Delta R.T.: -0.003 min  
Response: 2171192  
Conc: 18.89 ug/ml



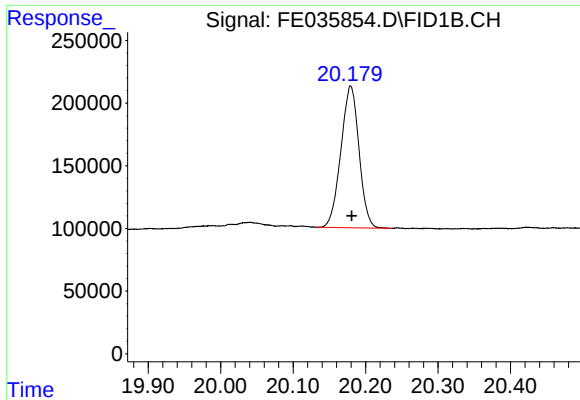
#19 n-Tetratriacontane (C34)

R.T.: 18.702 min  
Delta R.T.: -0.004 min  
Response: 2087875  
Conc: 19.30 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.442 min  
Delta R.T.: -0.002 min  
Response: 1994828  
Conc: 19.80 ug/ml m



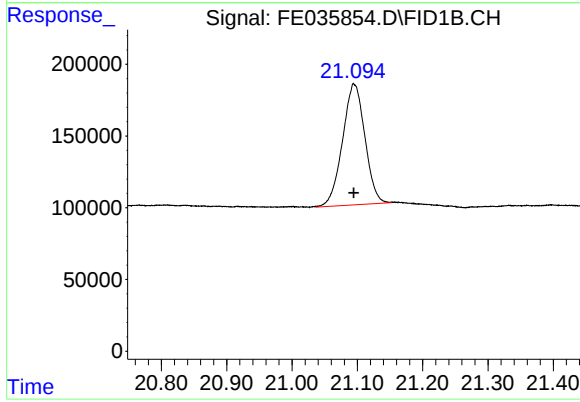
#21 n-Octatriacontane (C38)

R.T.: 20.179 min  
Delta R.T.: -0.001 min  
Response: 1966521  
Conc: 20.64 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.094 min  
Delta R.T.: -0.001 min  
Response: 2004029  
Conc: 21.46 ug/ml m