

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE020822AL\  
 Data File : FE034882.D  
 Signal(s) : FID1B.CH  
 Acq On : 08 Feb 2022 18:17  
 Operator : YP\AJ  
 Sample : 10 PPM ALIPHATIC HC STD4  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 FID\_E  
 ClientSampleId :  
 10 PPM ALIPHATIC HC STD4

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 02/09/2022  
 Supervised By :Ankita Jodhani 02/09/2022

Integration File: sample.E  
 Quant Time: Feb 08 21:58:50 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 020822.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Feb 08 21:57:39 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)    | 11.134 | 3036290    | 10.228 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 20.46%        |
| 12) S 1-chlorooctadecane (S... | 12.565 | 2313441    | 10.206 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 20.41%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 2.995  | 2627319    | 10.210 ug/ml  |
| 2) T n-Decane (C10)            | 4.013  | 2659350    | 10.219 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.572  | 2966631    | 10.191 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.002  | 2659737    | 10.197 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.619  | 2988314    | 10.193 ug/ml  |
| 6) T n-Tetradecane (C14)       | 7.789  | 2706642    | 10.215 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.383  | 2716946    | 10.224 ug/ml  |
| 8) T n-Octadecane (C18)        | 10.819 | 2766118    | 10.240 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.123 | 2709846    | 10.244 ug/ml  |
| 11) T n-Heneicosane (C21)      | 12.733 | 2717660    | 10.243 ug/ml  |
| 13) T n-Docosane (C22)         | 13.316 | 2675201    | 10.241 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.414 | 2626629    | 10.222 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.430 | 2526354    | 10.233 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.376 | 2453094    | 10.218 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.260 | 2365724    | 10.241 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.090 | 2197947    | 10.264 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 18.870 | 2065867    | 10.199 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 19.606 | 1957964    | 10.268 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 20.319 | 1888483    | 10.290 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.170 | 1885771    | 10.137 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP\AJ  
Sample : 10 PPM ALIPHATIC HC STD4  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

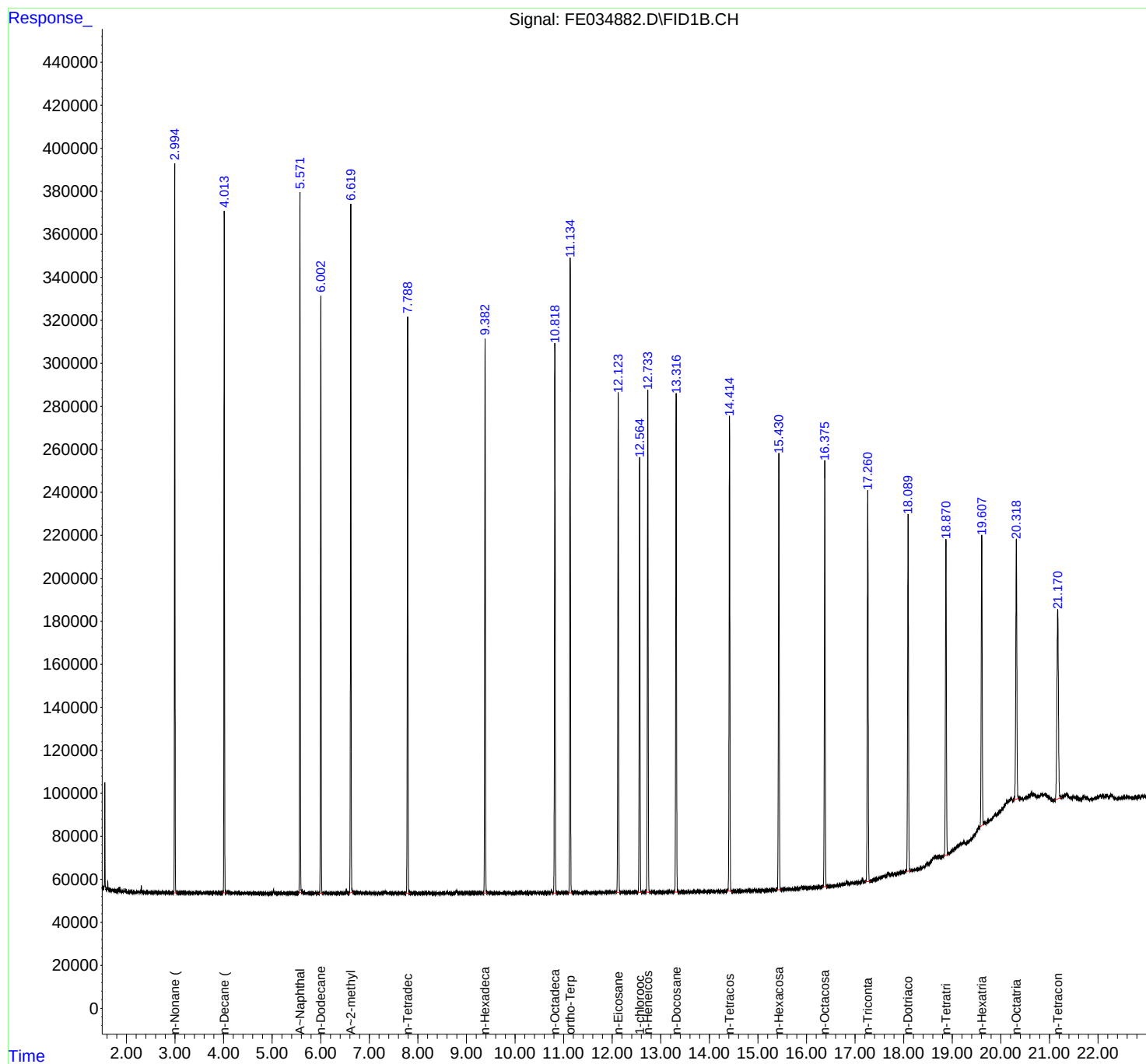
Instrument :  
FID\_E  
ClientSampleId :  
10 PPM ALIPHATIC HC STD4

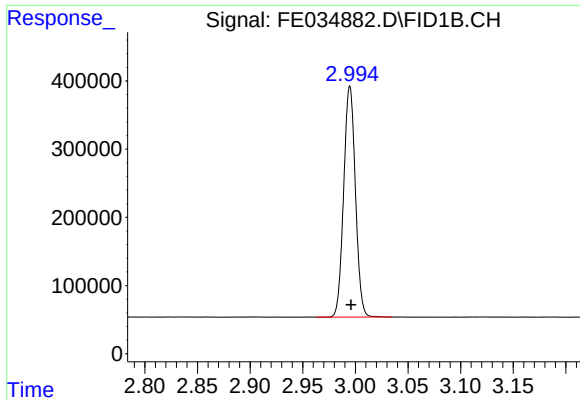
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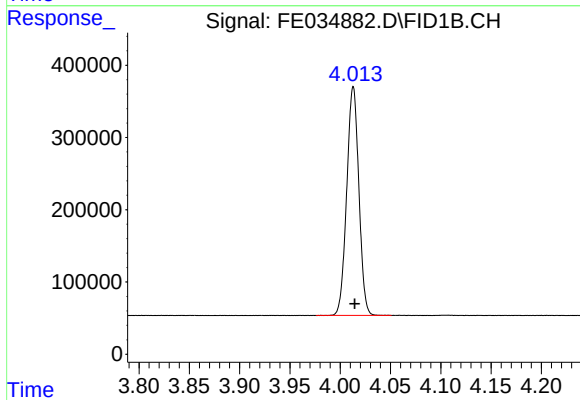
#1 n-Nonane (C9)

R.T.: 2.995 min  
Delta R.T.: -0.001 min  
Response: 2627319  
Conc: 10.21 ug/ml

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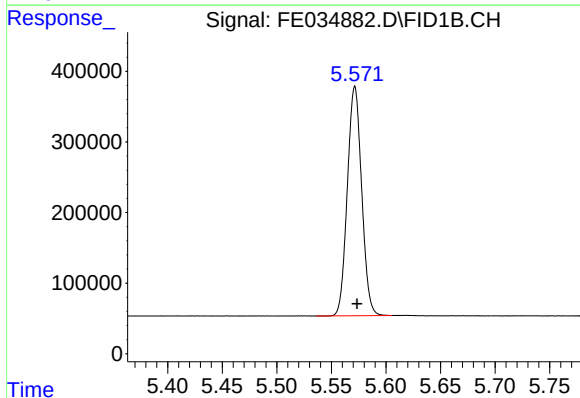
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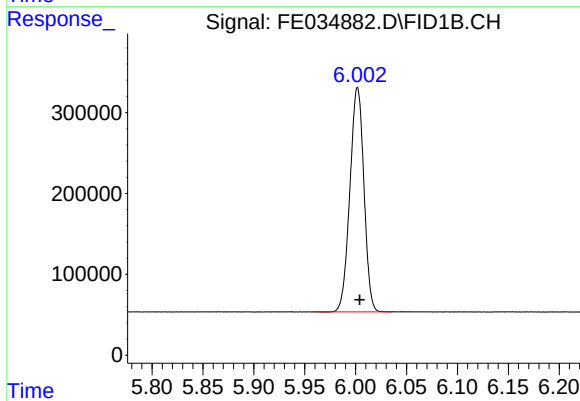
#2 n-Decane (C10)

R.T.: 4.013 min  
Delta R.T.: -0.001 min  
Response: 2659350  
Conc: 10.22 ug/ml



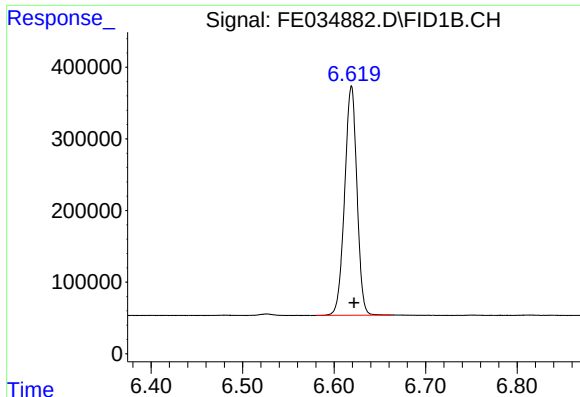
#3 A~Naphthalene (C11.7)

R.T.: 5.572 min  
Delta R.T.: -0.002 min  
Response: 2966631  
Conc: 10.19 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.002 min  
Delta R.T.: -0.002 min  
Response: 2659737  
Conc: 10.20 ug/ml



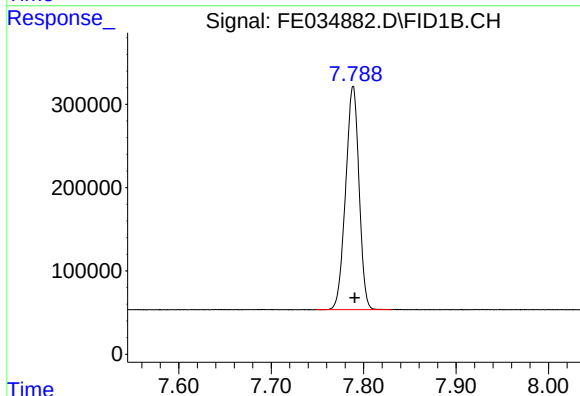
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.619 min  
Delta R.T.: -0.003 min  
Response: 2988314  
Conc: 10.19 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
10 PPM ALIPHATIC HC STD4

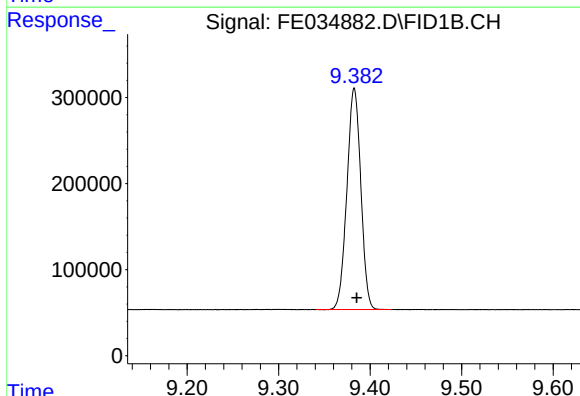
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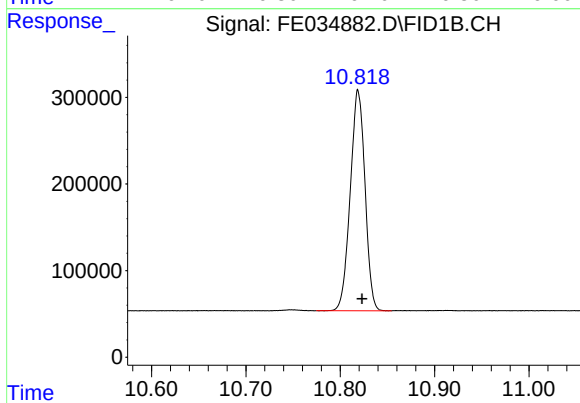
#6 n-Tetradecane (C14)

R.T.: 7.789 min  
Delta R.T.: -0.002 min  
Response: 2706642  
Conc: 10.21 ug/ml



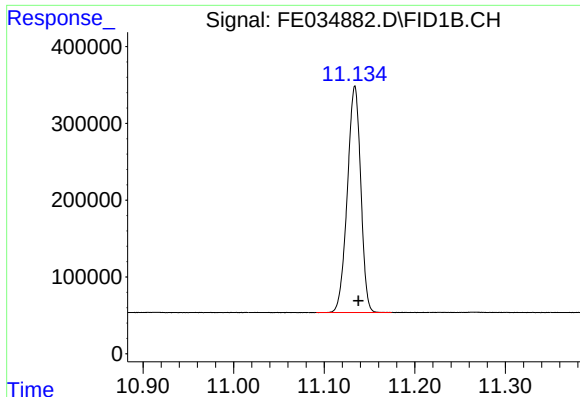
#7 n-Hexadecane (C16)

R.T.: 9.383 min  
Delta R.T.: -0.003 min  
Response: 2716946  
Conc: 10.22 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.819 min  
Delta R.T.: -0.004 min  
Response: 2766118  
Conc: 10.24 ug/ml



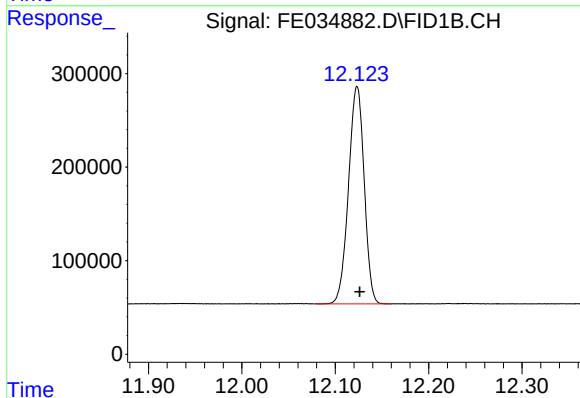
#9 ortho-Terphenyl (SURR)

R.T.: 11.134 min  
Delta R.T.: -0.004 min  
Response: 3036290  
Conc: 10.23 ug/ml

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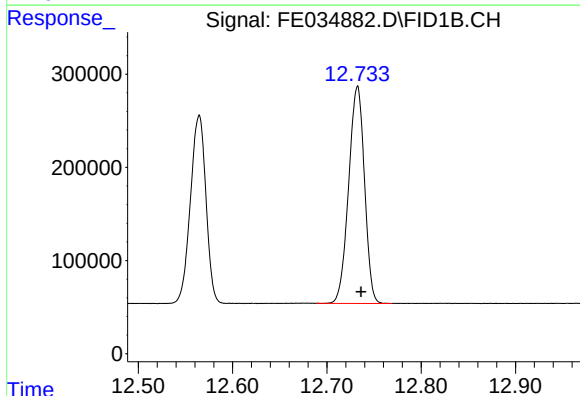
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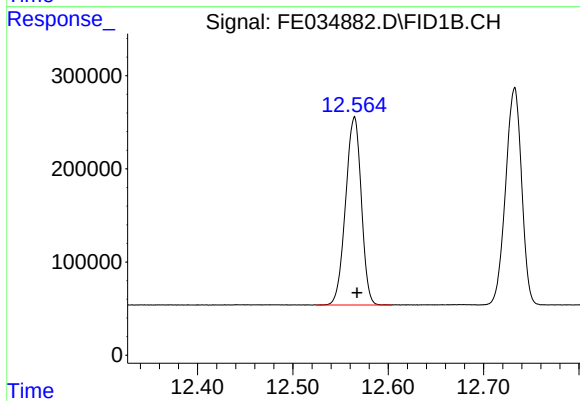
#10 n-Eicosane (C20)

R.T.: 12.123 min  
Delta R.T.: -0.003 min  
Response: 2709846  
Conc: 10.24 ug/ml



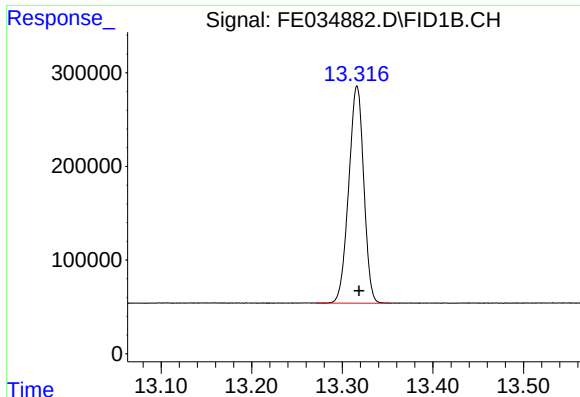
#11 n-Heneicosane (C21)

R.T.: 12.733 min  
Delta R.T.: -0.004 min  
Response: 2717660  
Conc: 10.24 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.565 min  
Delta R.T.: -0.003 min  
Response: 2313441  
Conc: 10.21 ug/ml



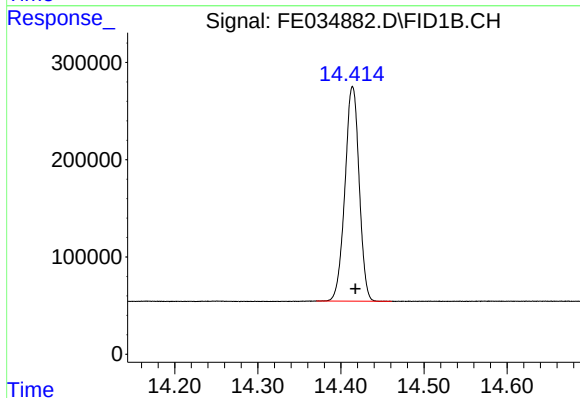
#13 n-Docosane (C22)

R.T.: 13.316 min  
Delta R.T.: -0.002 min  
Response: 2675201  
Conc: 10.24 ug/ml

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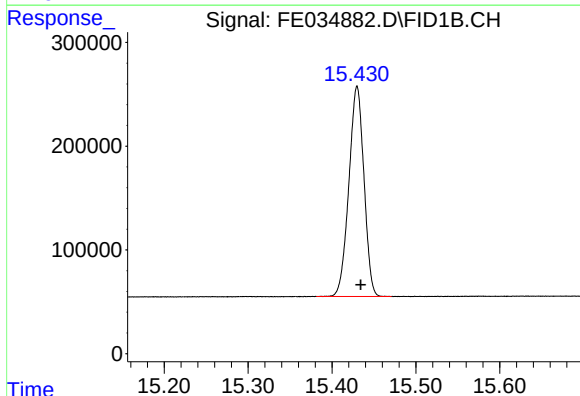
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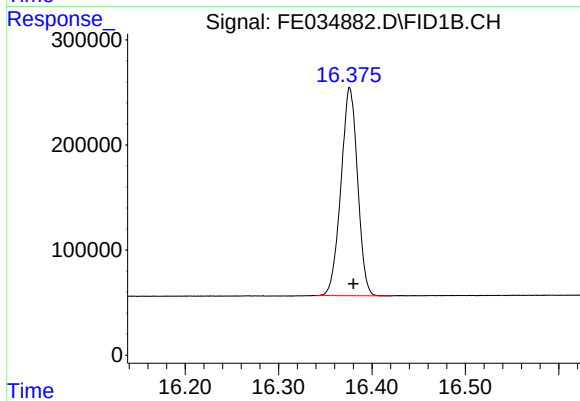
#14 n-Tetracosane (C24)

R.T.: 14.414 min  
Delta R.T.: -0.004 min  
Response: 2626629  
Conc: 10.22 ug/ml



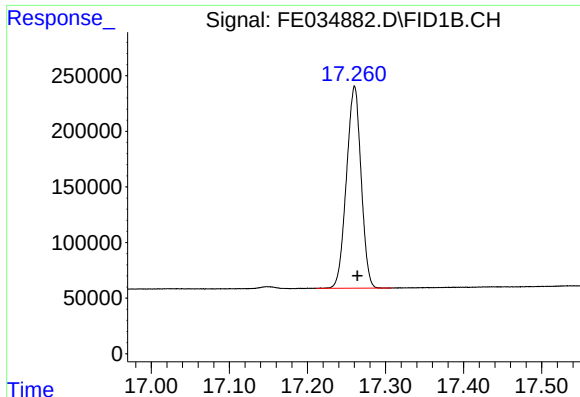
#15 n-Hexacosane (C26)

R.T.: 15.430 min  
Delta R.T.: -0.004 min  
Response: 2526354  
Conc: 10.23 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.376 min  
Delta R.T.: -0.004 min  
Response: 2453094  
Conc: 10.22 ug/ml



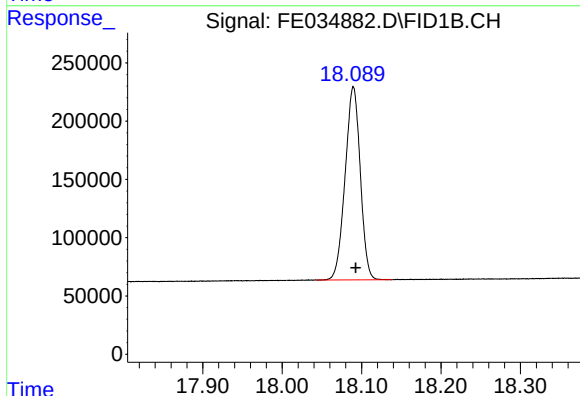
#17 n-Tricontane (C30)

R.T.: 17.260 min  
Delta R.T.: -0.004 min  
Response: 2365724  
Conc: 10.24 ug/ml

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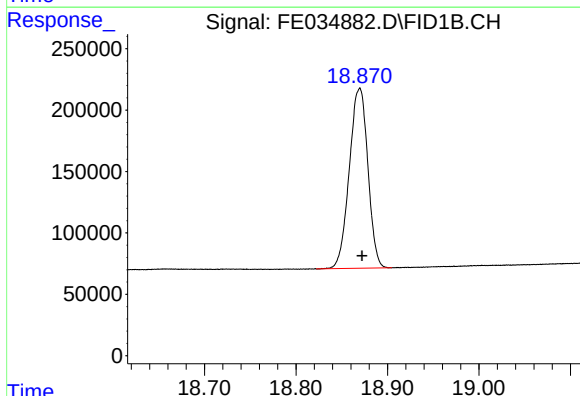
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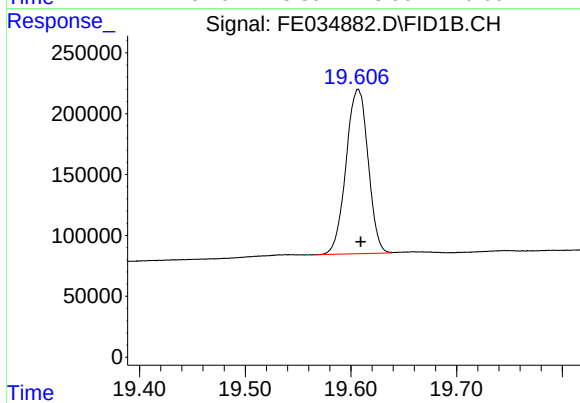
#18 n-Dotriacontane (C32)

R.T.: 18.090 min  
Delta R.T.: -0.003 min  
Response: 2197947  
Conc: 10.26 ug/ml



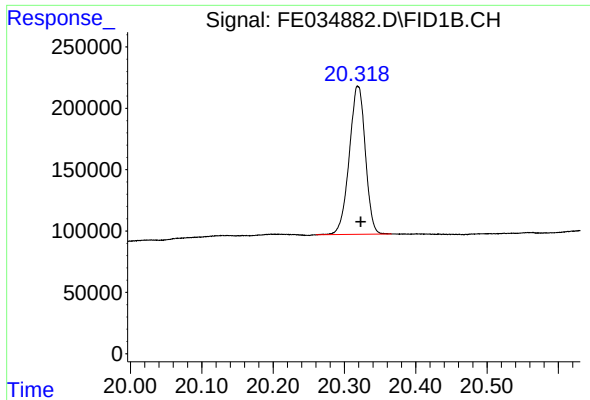
#19 n-Tetratriacontane (C34)

R.T.: 18.870 min  
Delta R.T.: -0.003 min  
Response: 2065867  
Conc: 10.20 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.606 min  
Delta R.T.: -0.004 min  
Response: 1957964  
Conc: 10.27 ug/ml m



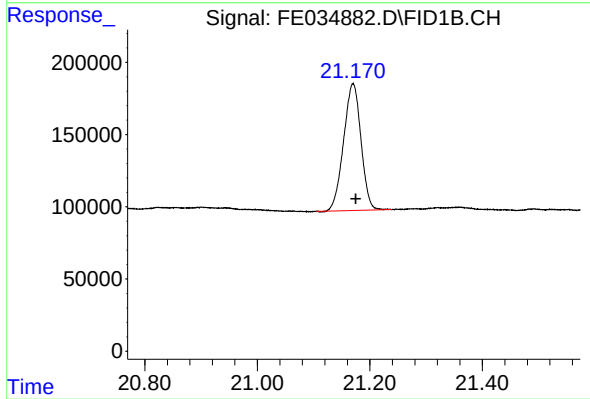
#21 n-Octatriacontane (C38)

R.T.: 20.319 min  
Delta R.T.: -0.004 min  
Response: 1888483  
Conc: 10.29 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.170 min  
Delta R.T.: -0.005 min  
Response: 1885771  
Conc: 10.14 ug/ml