

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE061522AL\  
 Data File : FE036047.D  
 Signal(s) : FID1B.CH  
 Acq On : 15 Jun 2022 9:05  
 Operator : YP\AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/15/2022  
 Supervised By :Ankita Jodhani 06/16/2022

Integration File: autoint1.e  
 Quant Time: Jun 15 10:23:51 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 060922.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Jun 09 16:49:15 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)    | 10.867 | 2856687    | 20.914 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 41.83%        |
| 12) S 1-chlorooctadecane (S... | 12.307 | 2173838    | 20.801 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 41.60%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 2.725  | 2841505    | 22.506 ug/ml  |
| 2) T n-Decane (C10)            | 3.735  | 2788743    | 22.391 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.293  | 3042094    | 21.855 ug/ml  |
| 4) T n-Dodecane (C12)          | 5.724  | 2773705    | 22.053 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.342  | 3026023    | 21.653 ug/ml  |
| 6) T n-Tetradecane (C14)       | 7.515  | 2692397    | 21.542 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.115  | 2620512    | 21.411 ug/ml  |
| 8) T n-Octadecane (C18)        | 10.555 | 2585973    | 21.245 ug/ml  |
| 10) T n-Eicosane (C20)         | 11.864 | 2524092    | 20.900 ug/ml  |
| 11) T n-Heneicosane (C21)      | 12.475 | 2519337    | 20.804 ug/ml  |
| 13) T n-Docosane (C22)         | 13.062 | 2504239    | 20.732 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.165 | 2490925    | 20.520 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.186 | 2475528    | 20.382 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.136 | 2470065    | 20.301 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.021 | 2469767    | 20.396 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 17.854 | 2374858    | 20.328 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 18.639 | 2245569    | 20.522 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 19.377 | 2135335    | 20.929 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.105 | 2080836    | 21.155 ug/mlm |
| 22) T n-Tetracontane (C40)     | 20.995 | 2101425    | 21.580 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 : 25 Sample Multiplier: 1

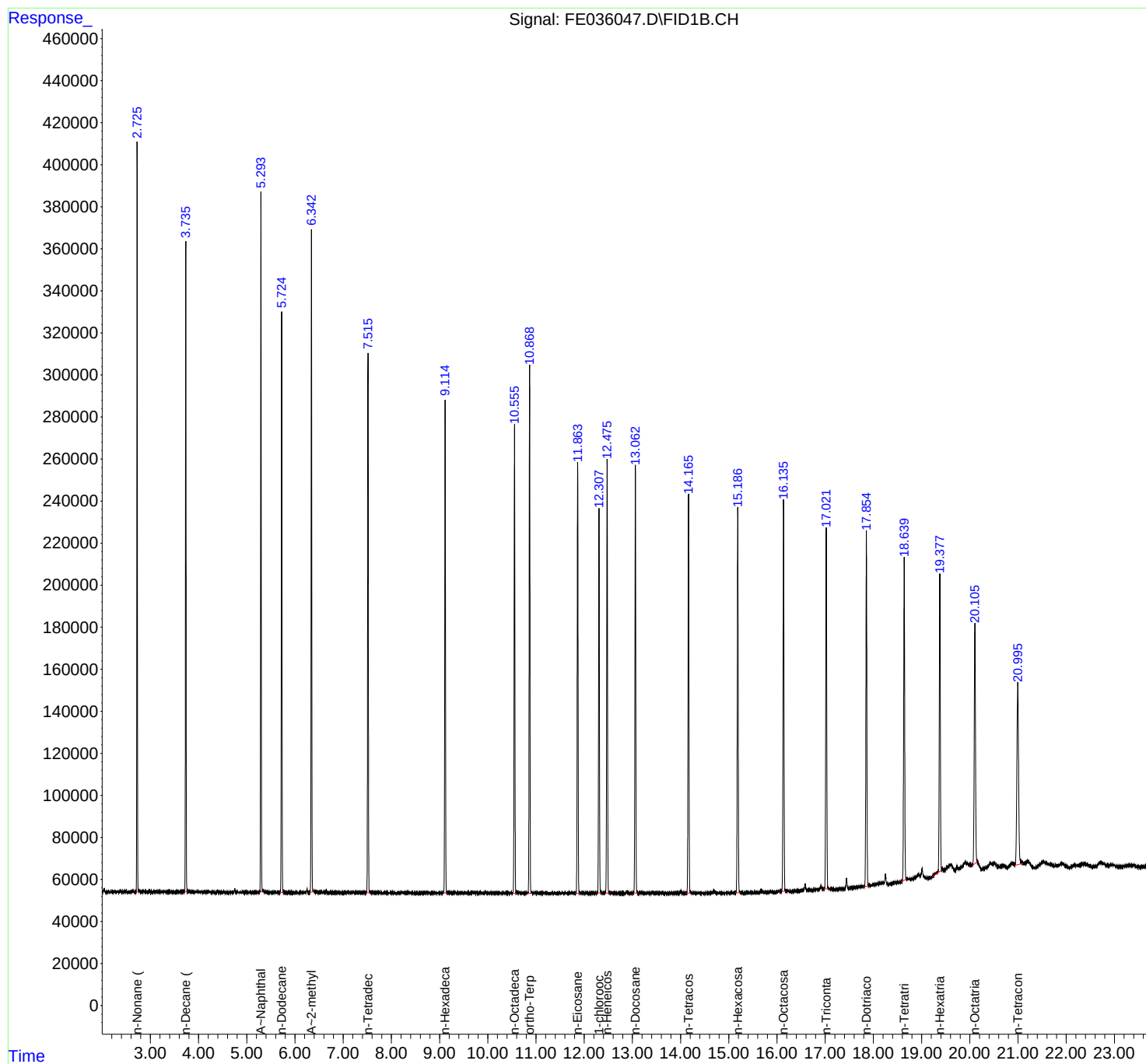
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

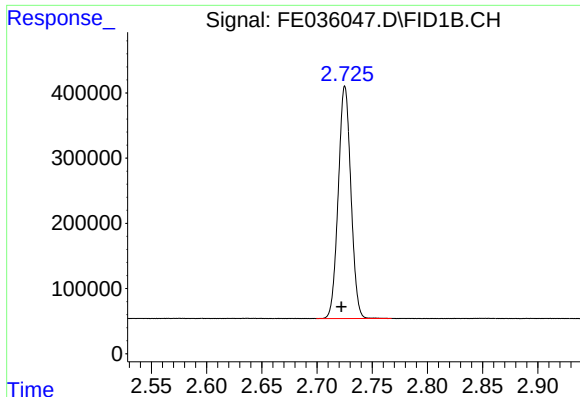
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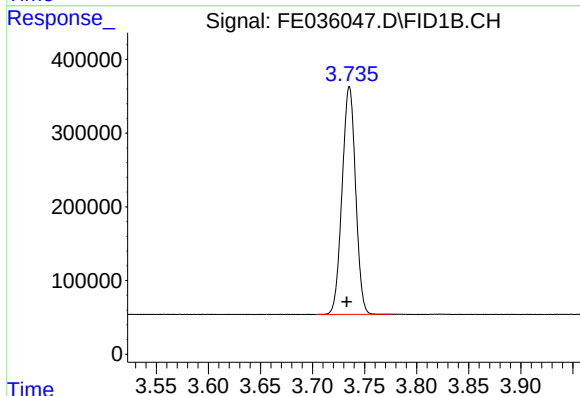
#1 n-Nonane (C9)

R.T.: 2.725 min  
Delta R.T.: 0.003 min  
Response: 2841505  
Conc: 22.51 ug/ml

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

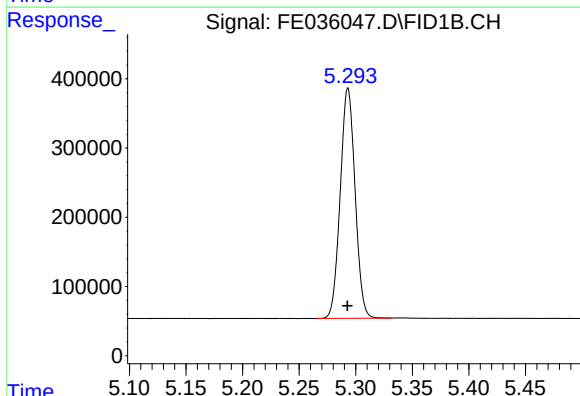
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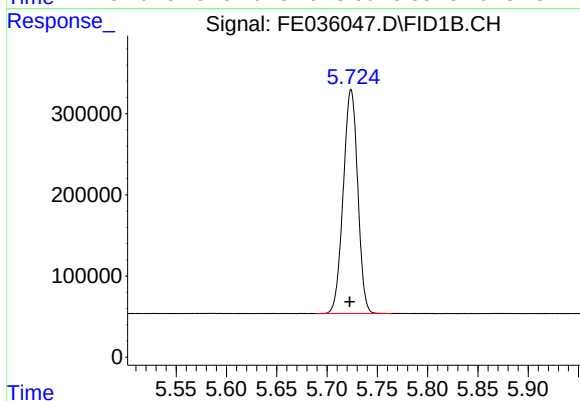
#2 n-Decane (C10)

R.T.: 3.735 min  
Delta R.T.: 0.003 min  
Response: 2788743  
Conc: 22.39 ug/ml



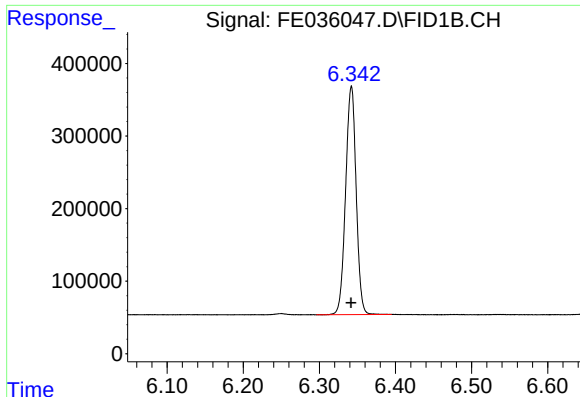
#3 A~Naphthalene (C11.7)

R.T.: 5.293 min  
Delta R.T.: 0.000 min  
Response: 3042094  
Conc: 21.86 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.724 min  
Delta R.T.: 0.001 min  
Response: 2773705  
Conc: 22.05 ug/ml



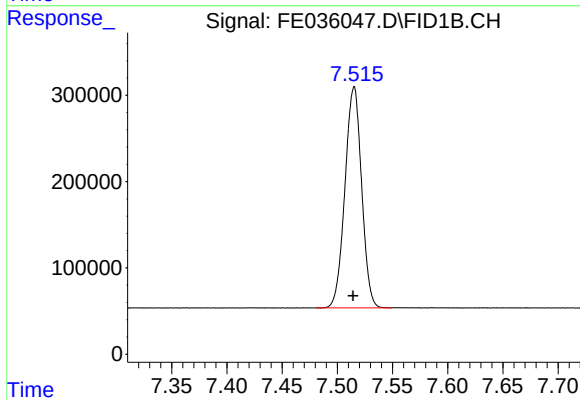
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.342 min  
Delta R.T.: 0.000 min  
Response: 3026023  
Conc: 21.65 ug/ml

Instrument :  
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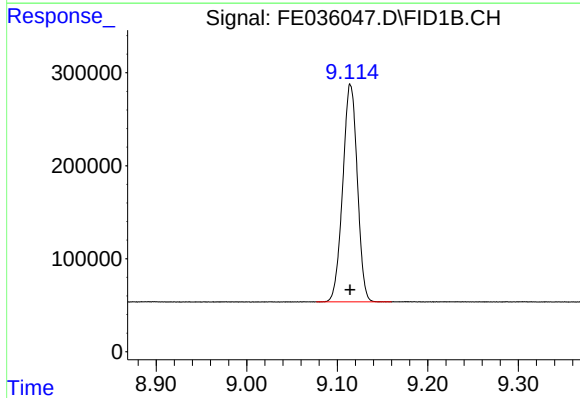
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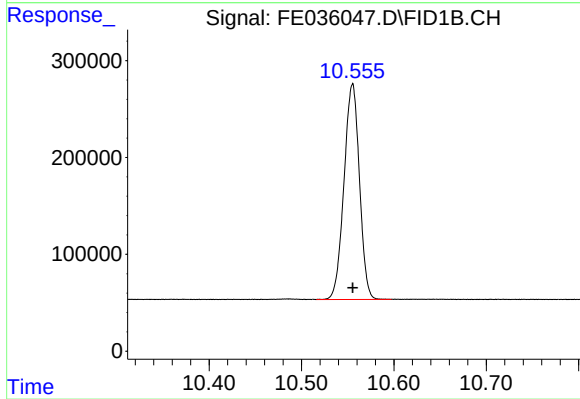
#6 n-Tetradecane (C14)

R.T.: 7.515 min  
Delta R.T.: 0.000 min  
Response: 2692397  
Conc: 21.54 ug/ml



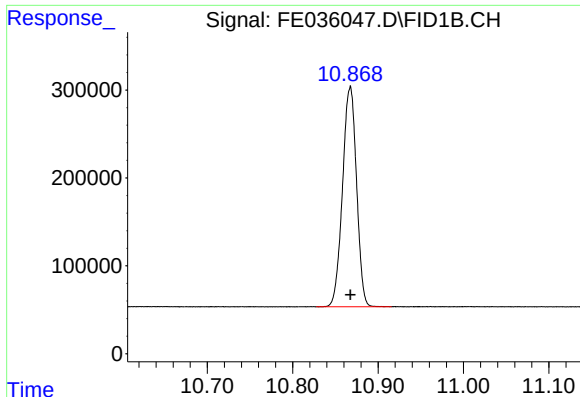
#7 n-Hexadecane (C16)

R.T.: 9.115 min  
Delta R.T.: 0.000 min  
Response: 2620512  
Conc: 21.41 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.555 min  
Delta R.T.: 0.000 min  
Response: 2585973  
Conc: 21.25 ug/ml



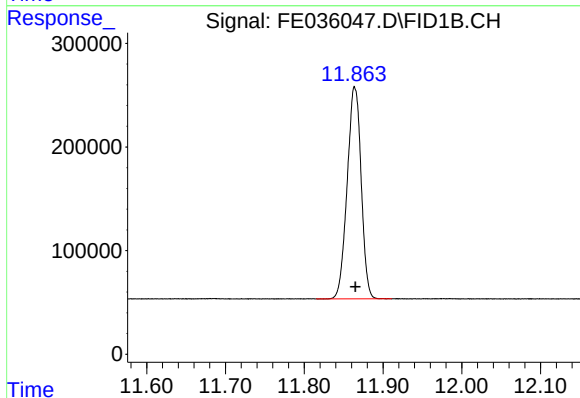
#9 ortho-Terphenyl (SURR)

R.T.: 10.867 min  
Delta R.T.: 0.000 min  
Response: 2856687  
Conc: 20.91 ug/ml

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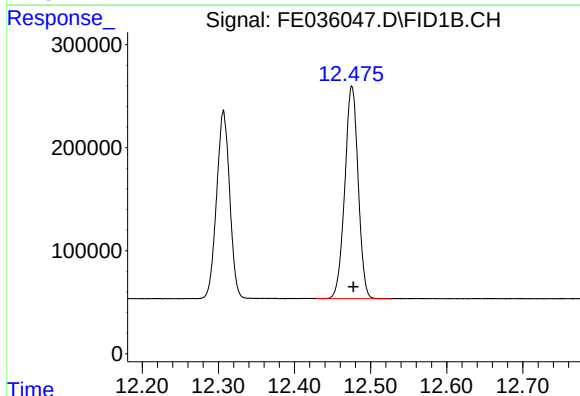
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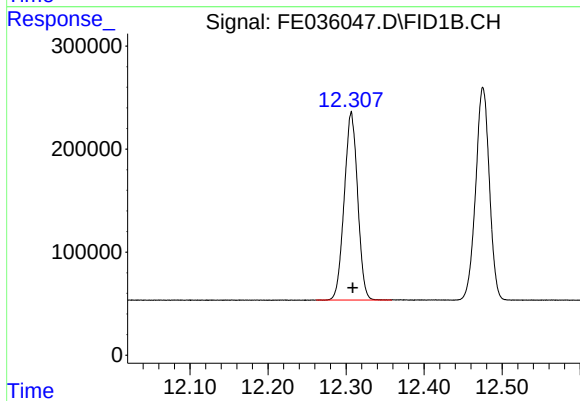
#10 n-Eicosane (C20)

R.T.: 11.864 min  
Delta R.T.: 0.000 min  
Response: 2524092  
Conc: 20.90 ug/ml



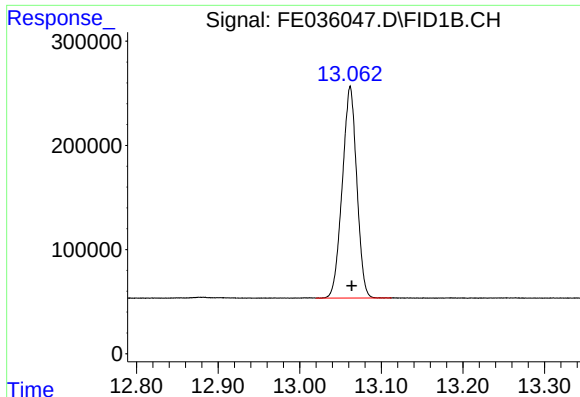
#11 n-Heneicosane (C21)

R.T.: 12.475 min  
Delta R.T.: -0.002 min  
Response: 2519337  
Conc: 20.80 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.307 min  
Delta R.T.: -0.002 min  
Response: 2173838  
Conc: 20.80 ug/ml



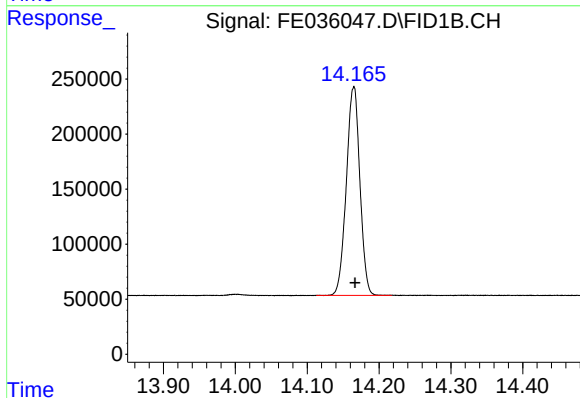
#13 n-Docosane (C22)

R.T.: 13.062 min  
Delta R.T.: -0.002 min  
Response: 2504239  
Conc: 20.73 ug/ml

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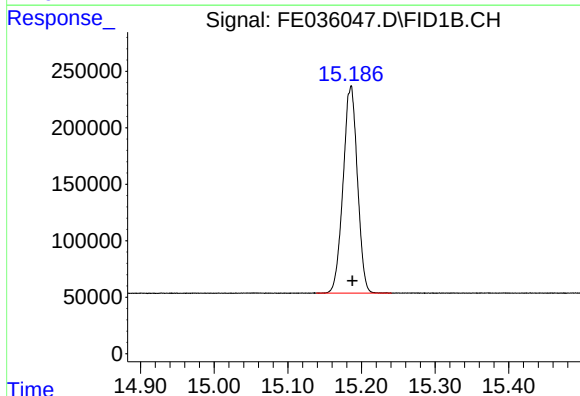
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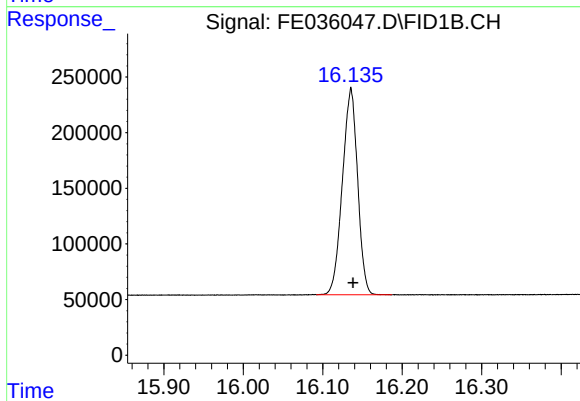
#14 n-Tetracosane (C24)

R.T.: 14.165 min  
Delta R.T.: -0.002 min  
Response: 2490925  
Conc: 20.52 ug/ml



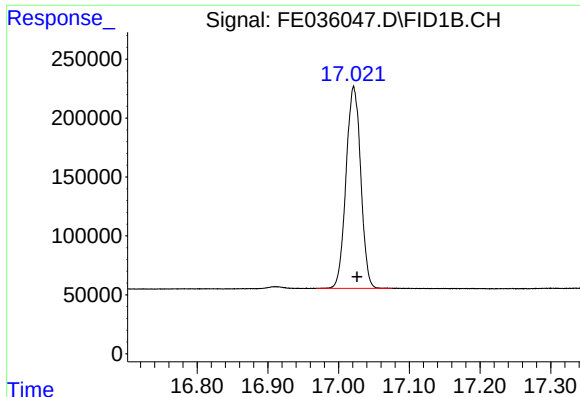
#15 n-Hexacosane (C26)

R.T.: 15.186 min  
Delta R.T.: -0.002 min  
Response: 2475528  
Conc: 20.38 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.136 min  
Delta R.T.: -0.003 min  
Response: 2470065  
Conc: 20.30 ug/ml



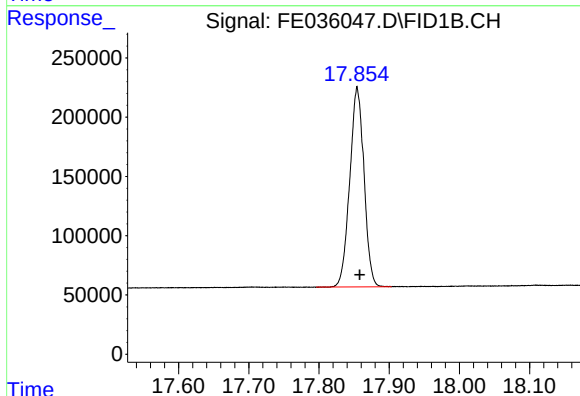
#17 n-Tricontane (C30)

R.T.: 17.021 min  
Delta R.T.: -0.005 min  
Response: 2469767  
Conc: 20.40 ug/ml

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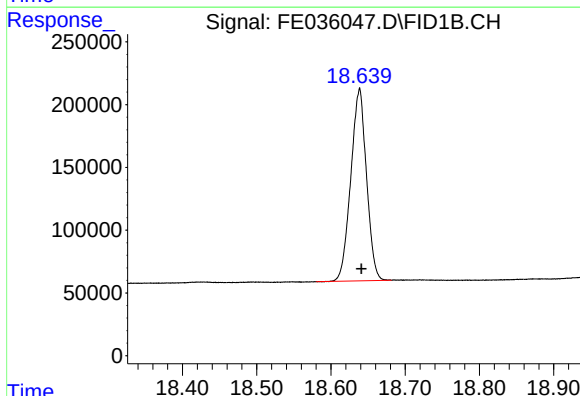
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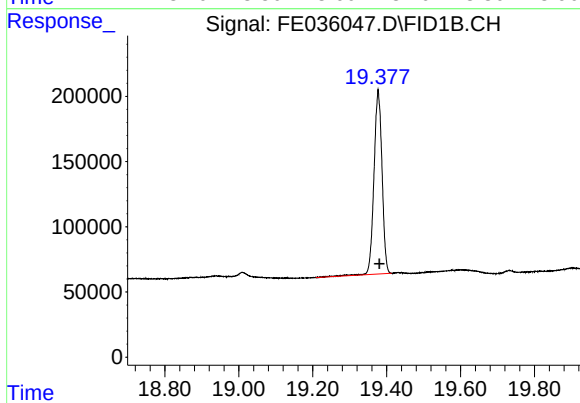
#18 n-Dotriacontane (C32)

R.T.: 17.854 min  
Delta R.T.: -0.004 min  
Response: 2374858  
Conc: 20.33 ug/ml



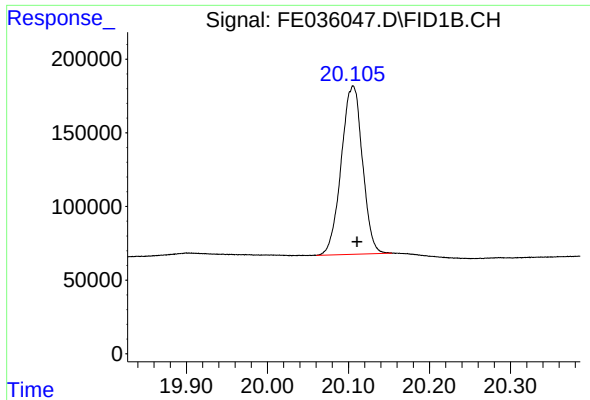
#19 n-Tetratriacontane (C34)

R.T.: 18.639 min  
Delta R.T.: -0.003 min  
Response: 2245569  
Conc: 20.52 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.377 min  
Delta R.T.: -0.003 min  
Response: 2135335  
Conc: 20.93 ug/ml



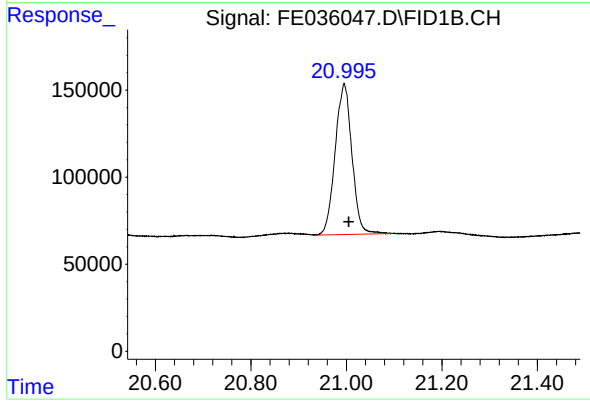
#21 n-Octatriacontane (C38)

R.T.: 20.105 min  
Delta R.T.: -0.005 min  
Response: 2080836  
Conc: 21.15 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.995 min  
Delta R.T.: -0.010 min  
Response: 2101425  
Conc: 21.58 ug/ml m