

Data Path : P:\HPCHEM1\FID C\Data\FC051218AL\  
 Data File : FC033970.D  
 Signal(s) : FID1A.CH  
 Acq On : 13 May 2018 7:54  
 Operator : UA/AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

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

Manual Integrations  
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 5/14/2018 3:31:47 PM

Integration File: autoint1.e  
 Quant Time: May 14 04:08:52 2018  
 Quant Method : P:\HPCHEM1\FID\_C\Method\Aliphatic EPH 042418.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Apr 24 20:41:39 2018  
 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)    | 11.447 | 2738044    | 17.631 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 35.26%        |
| 12) S 1-chlorooctadecane (S... | 12.881 | 2135887    | 18.187 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 36.37%        |
|                                |        |            |               |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.256  | 2512943    | 18.408 ug/ml  |
| 2) T n-Decane (C10)            | 4.321  | 2617698    | 18.839 ug/ml  |
| 3) T A-Naphthalene (C11.7)     | 5.894  | 2927393    | 18.868 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.331  | 2679313    | 18.651 ug/ml  |
| 5) T A-2-methylnaphthalene...  | 6.944  | 2943079    | 18.775 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.114  | 2712691    | 18.141 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.705  | 2662751    | 17.668 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.138 | 2583866    | 17.484 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.440 | 2565677    | 17.464 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.049 | 2529849    | 17.546 ug/ml  |
| 13) T n-Docosane (C22)         | 13.632 | 2560499    | 17.964 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.730 | 2547024    | 18.561 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.744 | 2518318    | 19.255 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.690 | 2564761    | 20.090 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.574 | 2540948    | 21.090 ug/mlm |
| 18) T n-Dotriacontane (C32)    | 18.403 | 2503707    | 21.509 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.184 | 2352912    | 21.771 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 19.920 | 2203494    | 22.011 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.633 | 2100487    | 21.943 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.488 | 1992585    | 22.202 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Signal(s) : FID1A.CH  
Acq On : 13 May 2018 7:54  
Operator : UA/AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

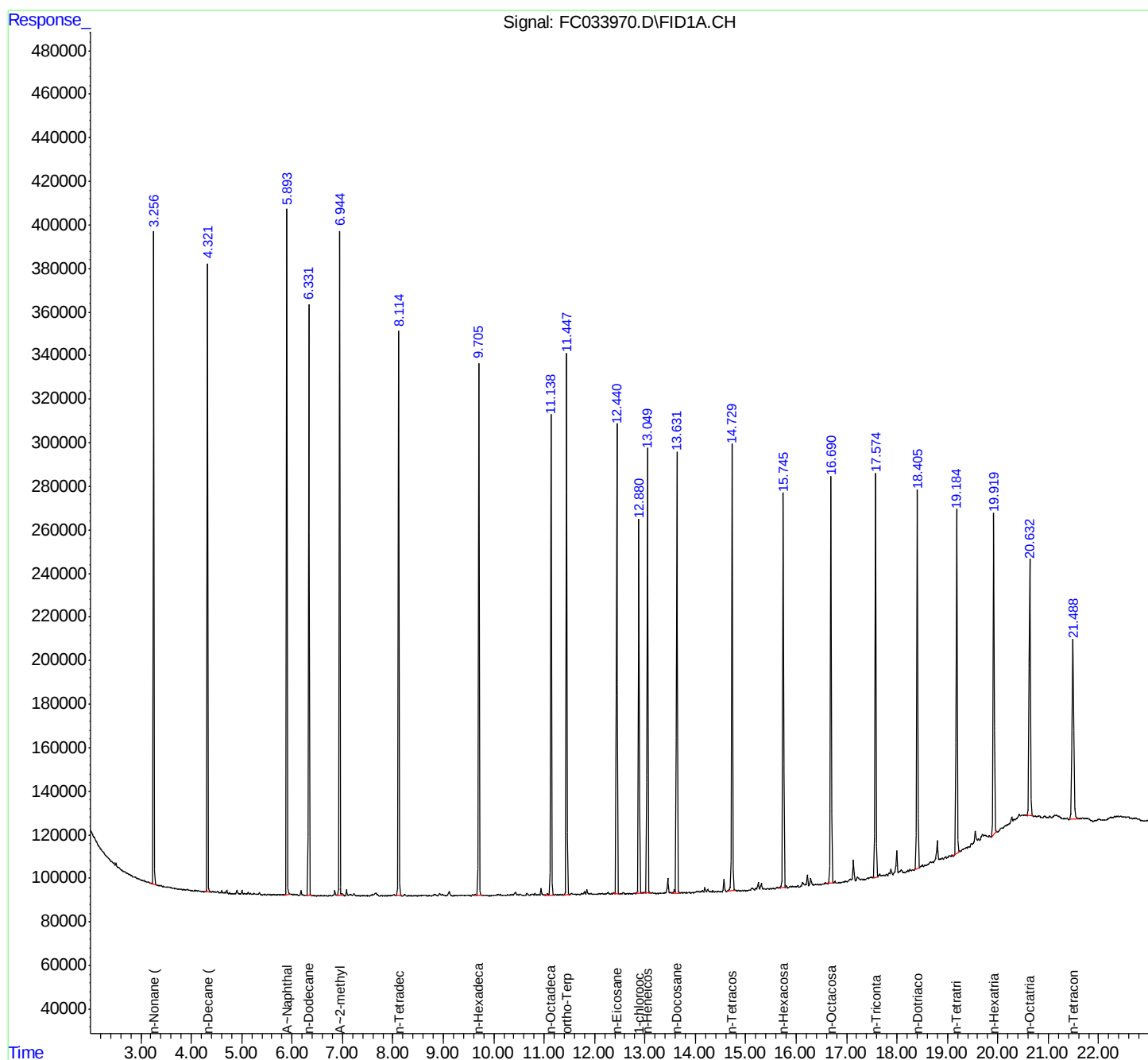
Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

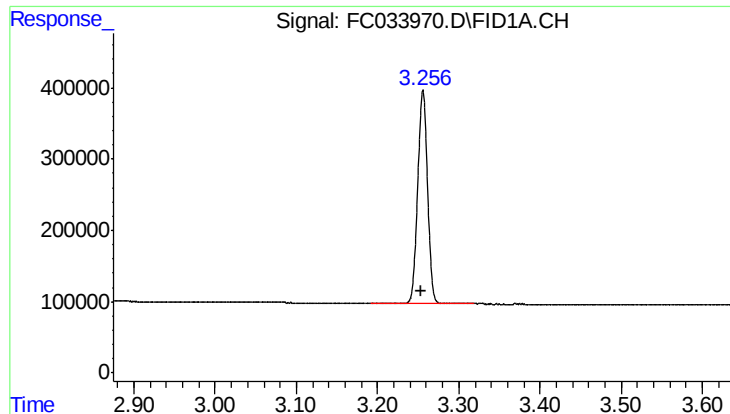
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Integration File: autoint1.e  
Quant Time: May 14 04:08:52 2018  
Quant Method : P:\HPCHEM1\FID\_C\Method\Aliphatic EPH 042418.M  
Quant Title : GC Extractables  
QLast Update : Tue Apr 24 20:41:39 2018  
Response via : Initial Calibration  
Integrator: 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





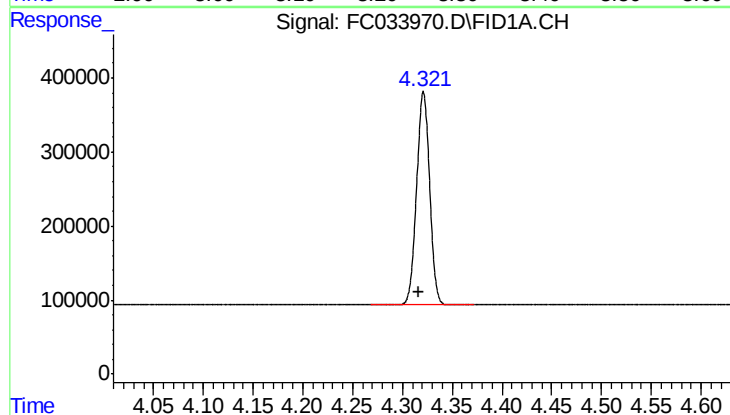
#1 n-Nonane (C9)

R.T.: 3.256 min  
Delta R.T.: 0.003 min  
Response: 2512943  
Conc: 18.41 ug/ml

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

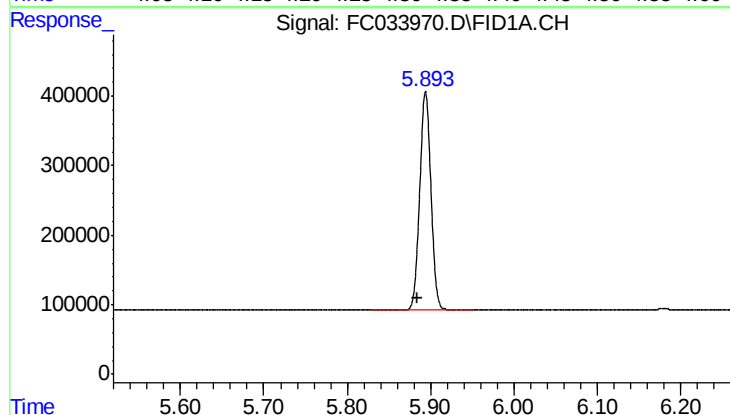
Manual Integrations  
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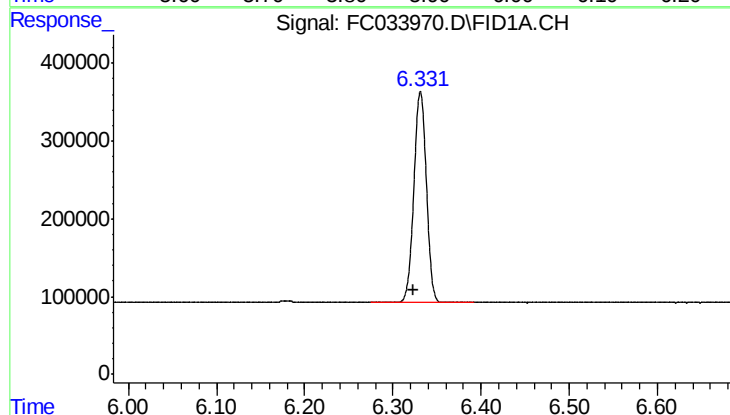
#2 n-Decane (C10)

R.T.: 4.321 min  
Delta R.T.: 0.004 min  
Response: 2617698  
Conc: 18.84 ug/ml



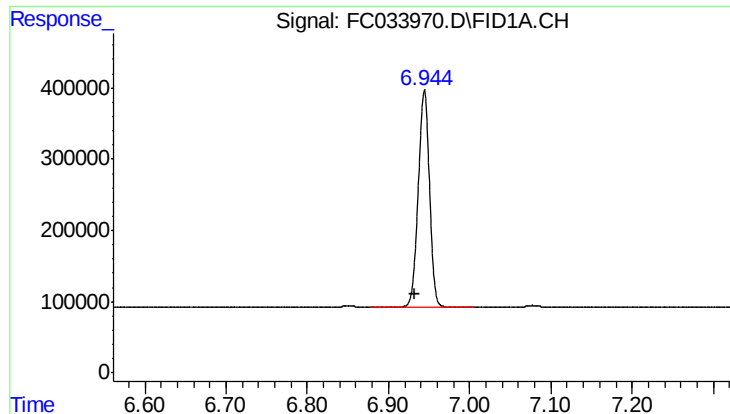
#3 A-Naphthalene (C11.7)

R.T.: 5.894 min  
Delta R.T.: 0.010 min  
Response: 2927393  
Conc: 18.87 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.331 min  
Delta R.T.: 0.009 min  
Response: 2679313  
Conc: 18.65 ug/ml



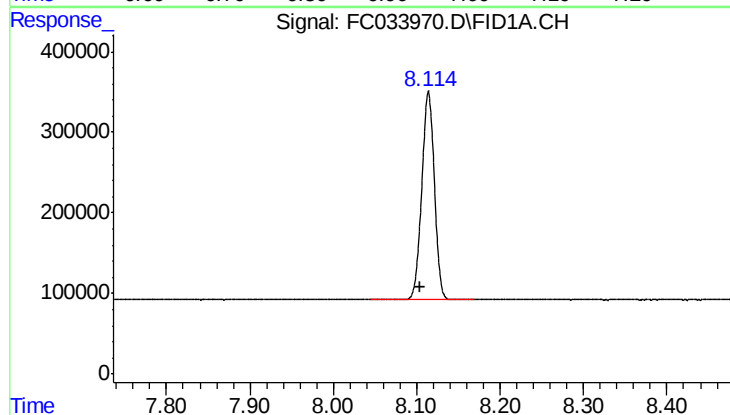
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.944 min  
Delta R.T.: 0.012 min  
Response: 2943079  
Conc: 18.77 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

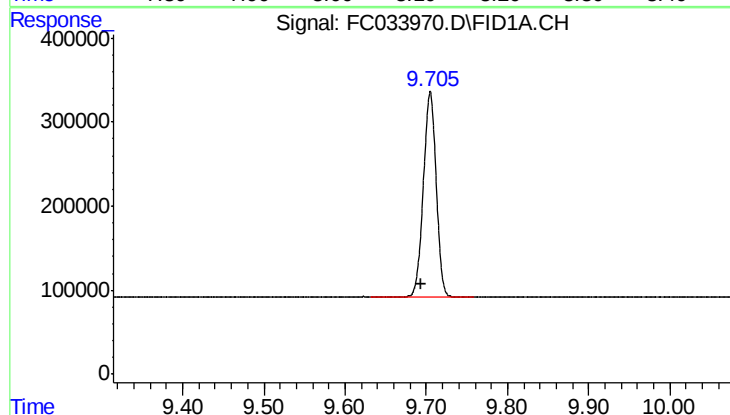
Manual Integrations  
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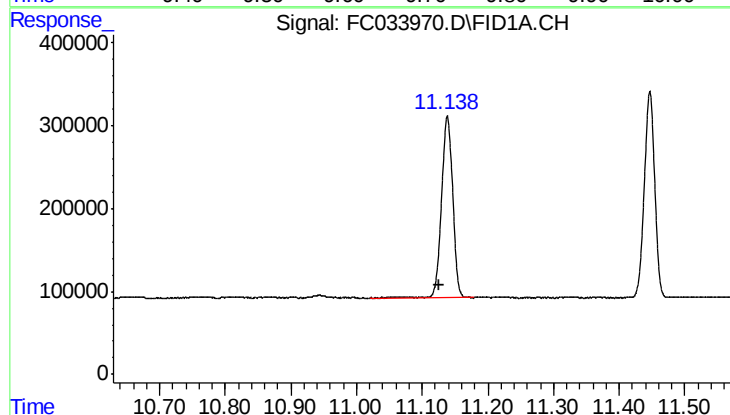
#6 n-Tetradecane (C14)

R.T.: 8.114 min  
Delta R.T.: 0.010 min  
Response: 2712691  
Conc: 18.14 ug/ml



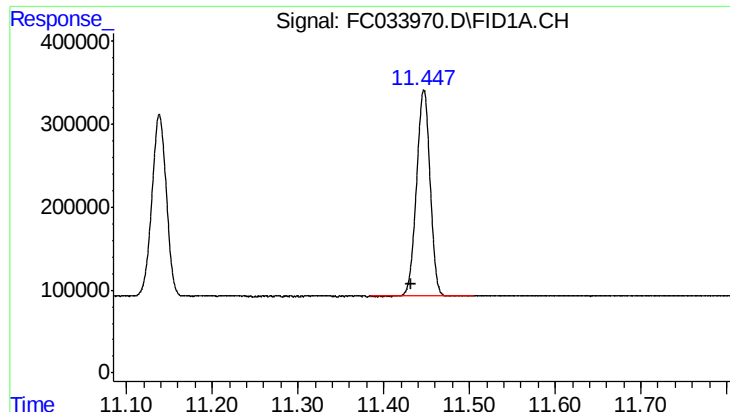
#7 n-Hexadecane (C16)

R.T.: 9.705 min  
Delta R.T.: 0.010 min  
Response: 2662751  
Conc: 17.67 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.138 min  
Delta R.T.: 0.013 min  
Response: 2583866  
Conc: 17.48 ug/ml



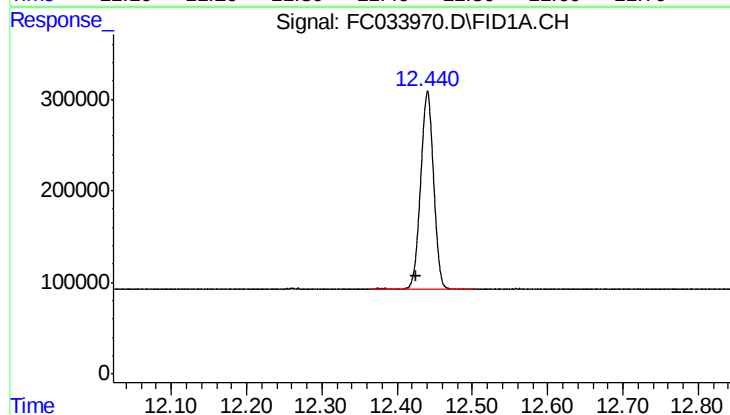
#9 ortho-Terphenyl (SURR)

R.T.: 11.447 min  
Delta R.T.: 0.016 min  
Response: 2738044  
Conc: 17.63 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

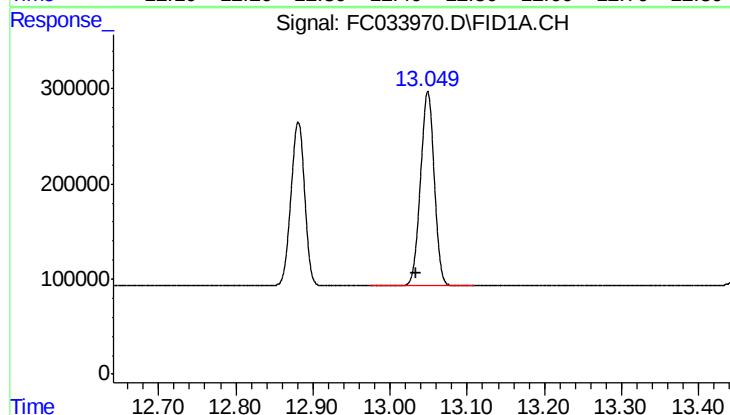
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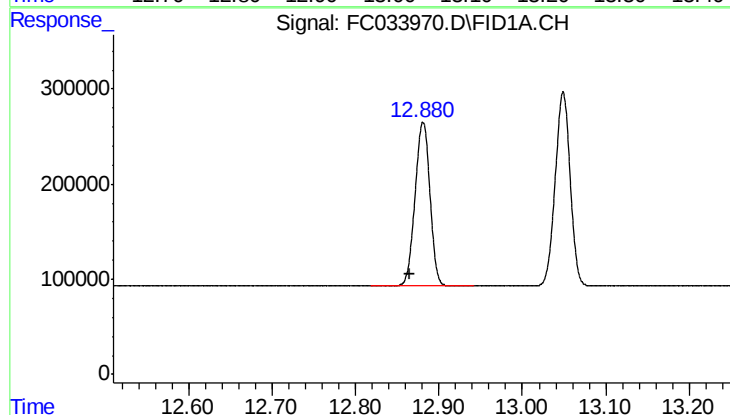
#10 n-Eicosane (C20)

R.T.: 12.440 min  
Delta R.T.: 0.014 min  
Response: 2565677  
Conc: 17.46 ug/ml



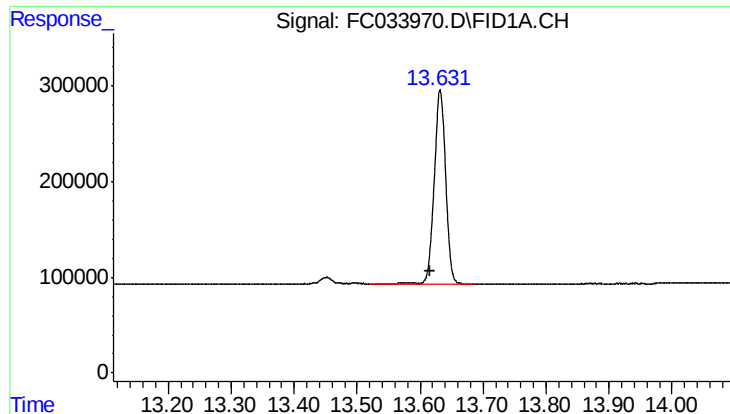
#11 n-Heneicosane (C21)

R.T.: 13.049 min  
Delta R.T.: 0.015 min  
Response: 2529849  
Conc: 17.55 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.881 min  
Delta R.T.: 0.016 min  
Response: 2135887  
Conc: 18.19 ug/ml



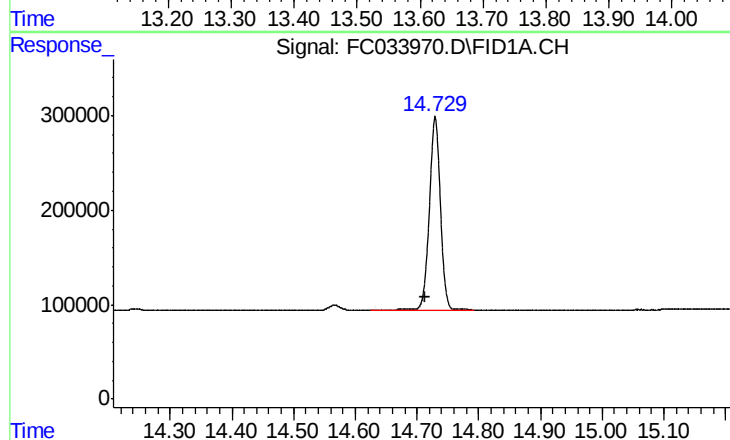
#13 n-Docosane (C22)

R.T.: 13.632 min  
Delta R.T.: 0.016 min  
Response: 2560499  
Conc: 17.96 ug/ml

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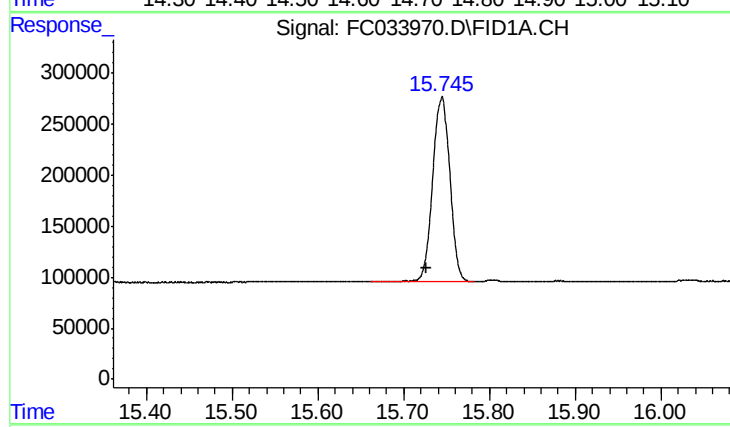
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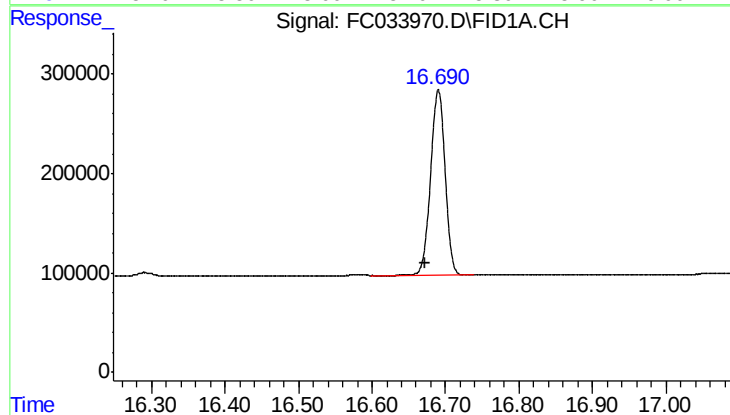
#14 n-Tetracosane (C24)

R.T.: 14.730 min  
Delta R.T.: 0.017 min  
Response: 2547024  
Conc: 18.56 ug/ml



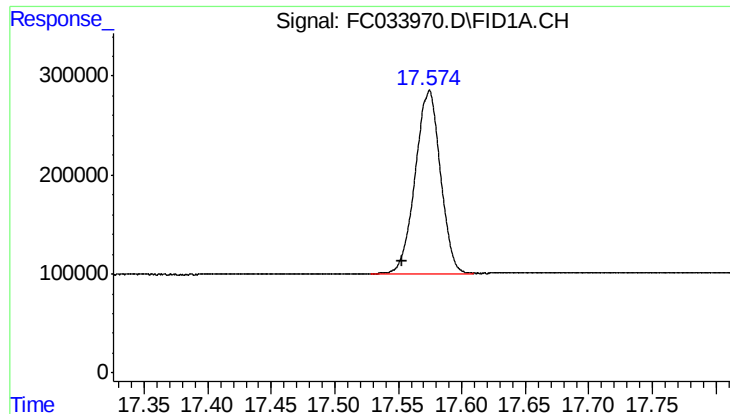
#15 n-Hexacosane (C26)

R.T.: 15.744 min  
Delta R.T.: 0.018 min  
Response: 2518318  
Conc: 19.25 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.690 min  
Delta R.T.: 0.018 min  
Response: 2564761  
Conc: 20.09 ug/ml



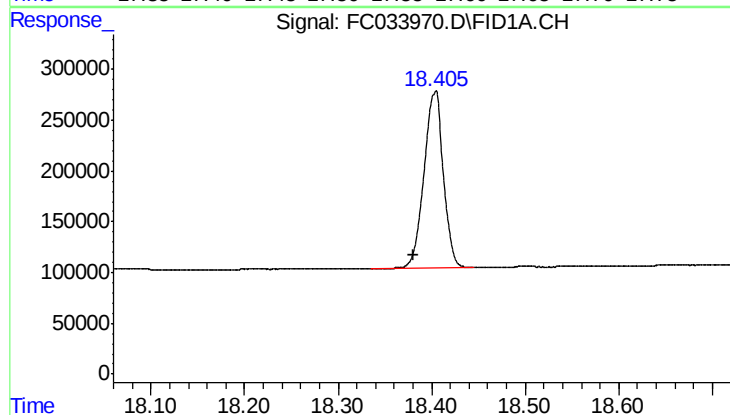
#17 n-Tricontane (C30)

R.T.: 17.574 min  
Delta R.T.: 0.021 min  
Response: 2540948  
Conc: 21.09 ug/ml

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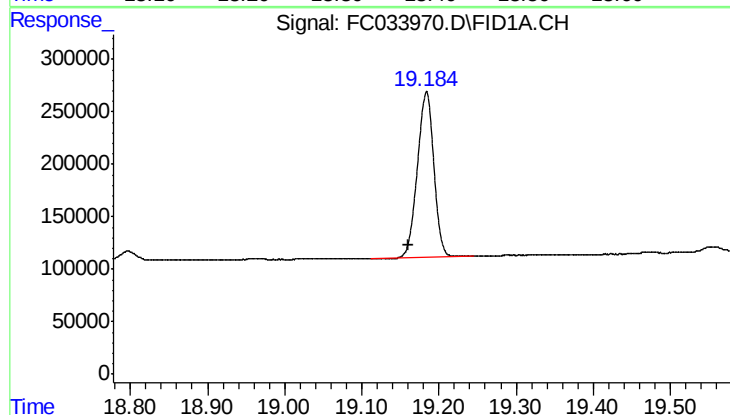
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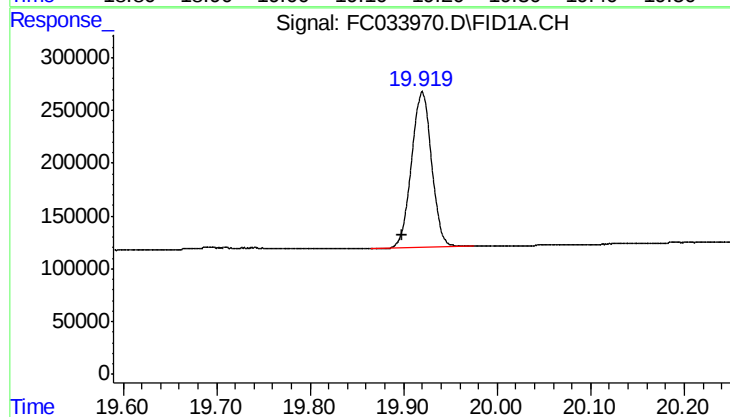
#18 n-Dotriacontane (C32)

R.T.: 18.403 min  
Delta R.T.: 0.022 min  
Response: 2503707  
Conc: 21.51 ug/ml



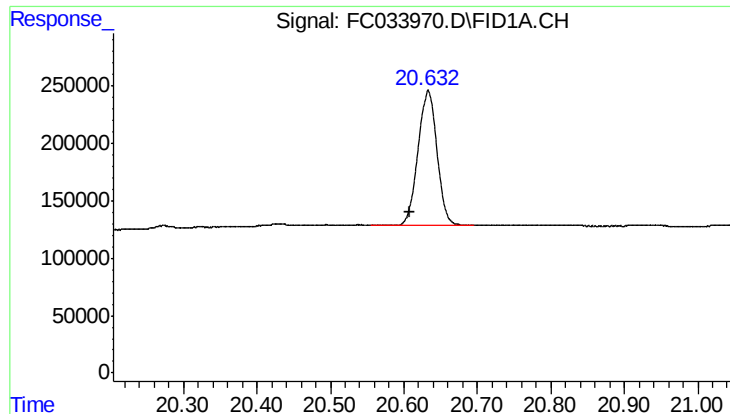
#19 n-Tetratriacontane (C34)

R.T.: 19.184 min  
Delta R.T.: 0.023 min  
Response: 2352912  
Conc: 21.77 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.920 min  
Delta R.T.: 0.021 min  
Response: 2203494  
Conc: 22.01 ug/ml



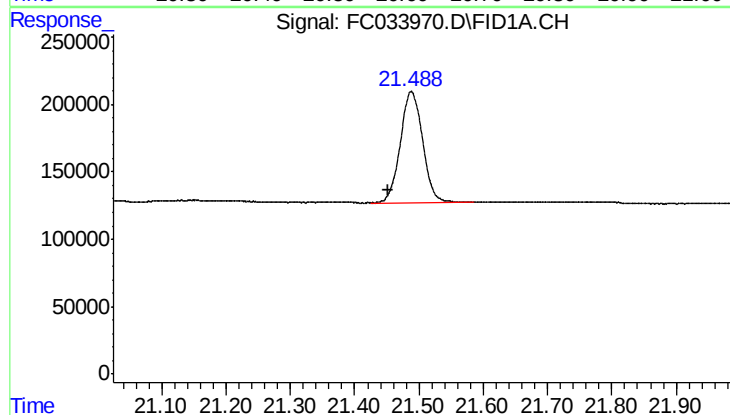
#21 n-Octatriacontane (C38)

R.T.: 20.633 min  
Delta R.T.: 0.026 min  
Response: 2100487  
Conc: 21.94 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.488 min  
Delta R.T.: 0.037 min  
Response: 1992585  
Conc: 22.20 ug/ml