

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC011822AL\  
 Data File : FC057990.D  
 Signal(s) : FID1A.CH  
 Acq On : 19 Jan 2022 4:36  
 Operator : AJ\MA  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 01/19/2022  
 Supervised By :Ankita Jodhani 01/19/2022

Integration File: autoint1.e  
 Quant Time: Jan 19 04:53:55 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 010522.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Jan 05 12:13:43 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)    | 10.704 | 4251246    | 21.986 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 43.97%        |
| 12) S 1-chlorooctadecane (S... | 12.141 | 3232721    | 21.934 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 43.87%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 2.632  | 3780829    | 23.643 ug/ml  |
| 2) T n-Decane (C10)            | 3.622  | 3842619    | 23.907 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.160  | 4333715    | 23.867 ug/ml  |
| 4) T n-Dodecane (C12)          | 5.593  | 3876193    | 24.034 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.200  | 4357718    | 23.830 ug/ml  |
| 6) T n-Tetradecane (C14)       | 7.374  | 3967126    | 24.030 ug/ml  |
| 7) T n-Hexadecane (C16)        | 8.965  | 3952178    | 23.660 ug/ml  |
| 8) T n-Octadecane (C18)        | 10.399 | 3974165    | 23.094 ug/ml  |
| 10) T n-Eicosane (C20)         | 11.702 | 3815724    | 22.289 ug/ml  |
| 11) T n-Heneicosane (C21)      | 12.311 | 3784971    | 21.888 ug/ml  |
| 13) T n-Docosane (C22)         | 12.894 | 3685354    | 21.302 ug/ml  |
| 14) T n-Tetracosane (C24)      | 13.993 | 3552953    | 20.524 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.009 | 3373726    | 20.047 ug/ml  |
| 16) T n-Octacosane (C28)       | 15.956 | 3274779    | 20.012 ug/ml  |
| 17) T n-Tricontane (C30)       | 16.840 | 3192111    | 20.446 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 17.670 | 2961287    | 21.239 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 18.450 | 2681114    | 21.572 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 19.187 | 2269282    | 20.411 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 19.893 | 1942351    | 18.620 ug/ml  |
| 22) T n-Tetracontane (C40)     | 20.717 | 1739465    | 18.166 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : AJ\MA  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

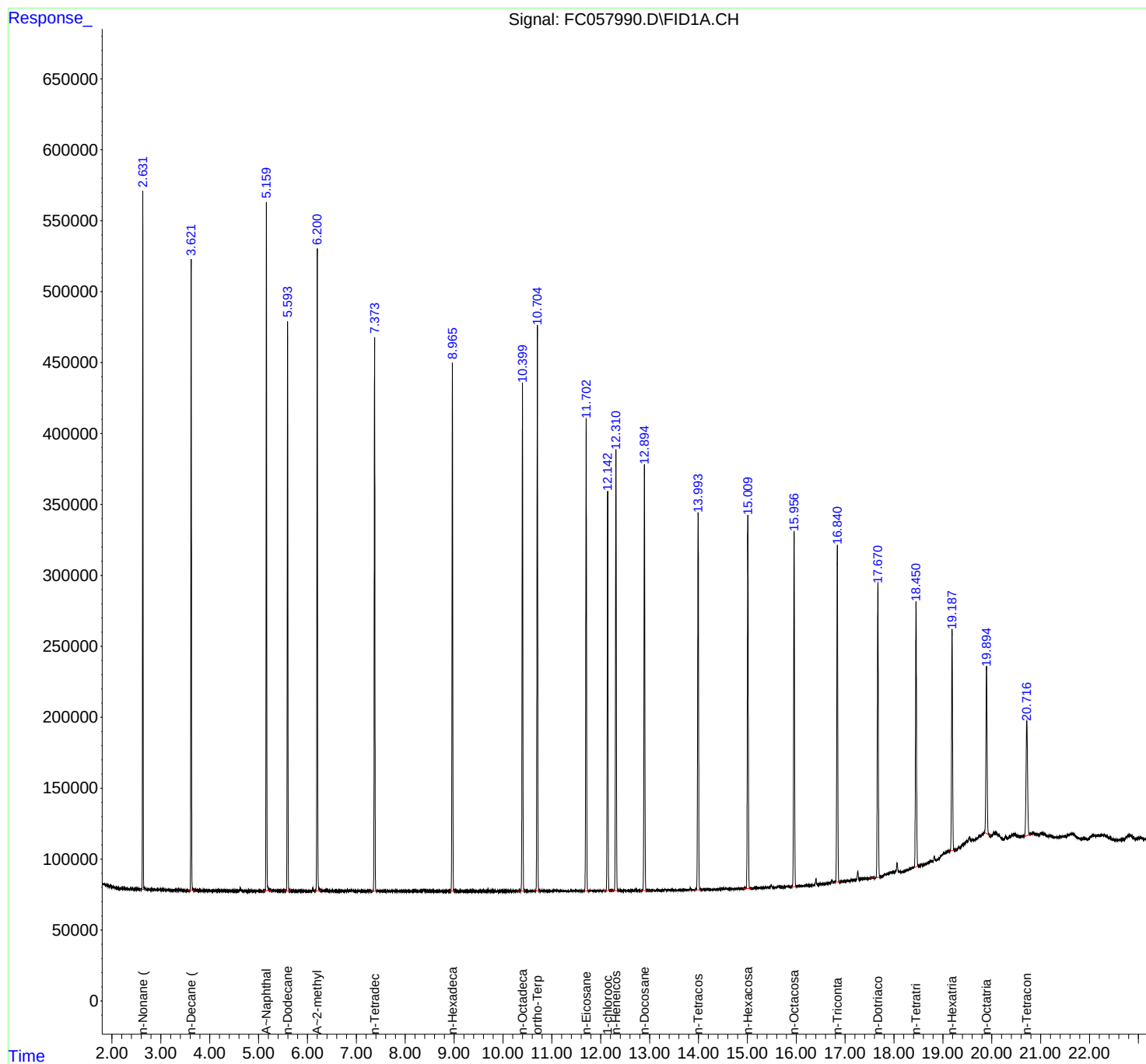
Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

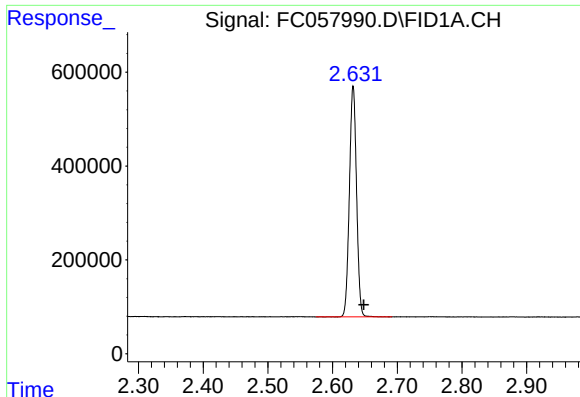
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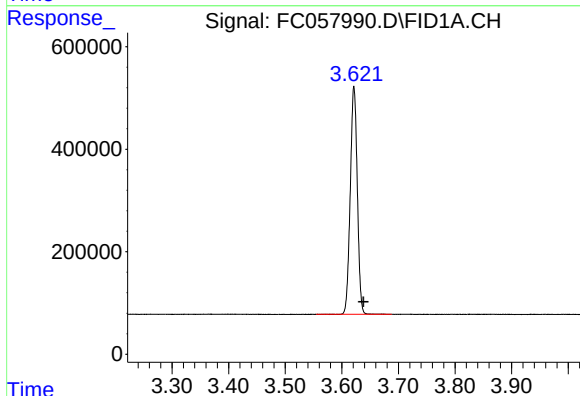
#1 n-Nonane (C9)

R.T.: 2.632 min  
Delta R.T.: -0.016 min  
Response: 3780829  
Conc: 23.64 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

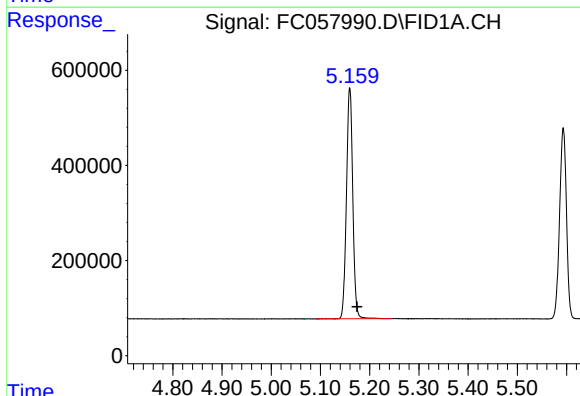
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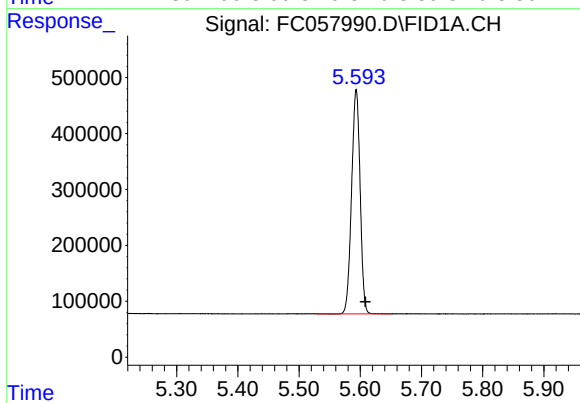
#2 n-Decane (C10)

R.T.: 3.622 min  
Delta R.T.: -0.017 min  
Response: 3842619  
Conc: 23.91 ug/ml



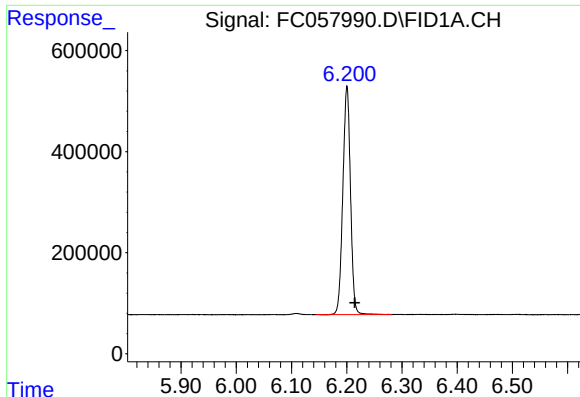
#3 A~Naphthalene (C11.7)

R.T.: 5.160 min  
Delta R.T.: -0.015 min  
Response: 4333715  
Conc: 23.87 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.593 min  
Delta R.T.: -0.015 min  
Response: 3876193  
Conc: 24.03 ug/ml



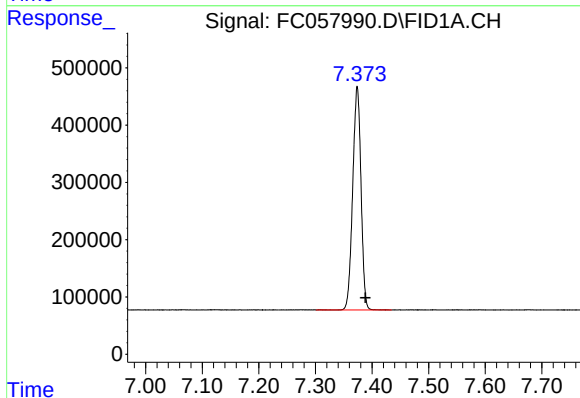
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.200 min  
Delta R.T.: -0.014 min  
Response: 4357718  
Conc: 23.83 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

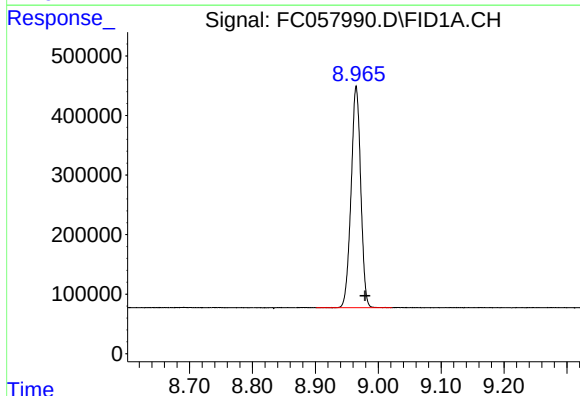
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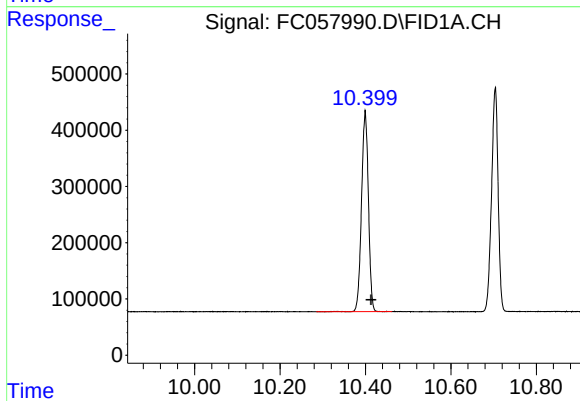
#6 n-Tetradecane (C14)

R.T.: 7.374 min  
Delta R.T.: -0.015 min  
Response: 3967126  
Conc: 24.03 ug/ml



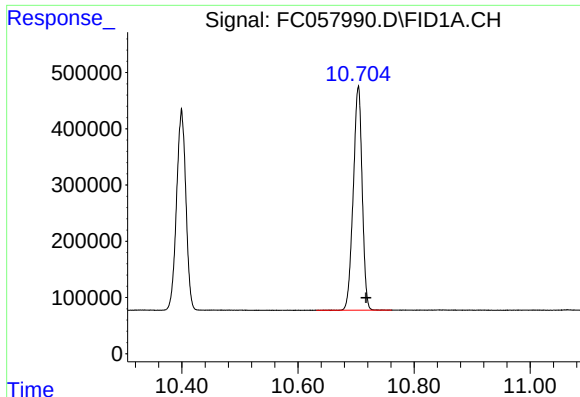
#7 n-Hexadecane (C16)

R.T.: 8.965 min  
Delta R.T.: -0.014 min  
Response: 3952178  
Conc: 23.66 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.399 min  
Delta R.T.: -0.014 min  
Response: 3974165  
Conc: 23.09 ug/ml



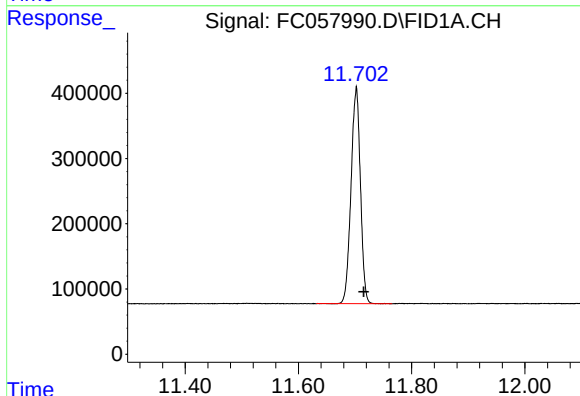
#9 ortho-Terphenyl (SURR)

R.T.: 10.704 min  
Delta R.T.: -0.014 min  
Response: 4251246  
Conc: 21.99 ug/ml

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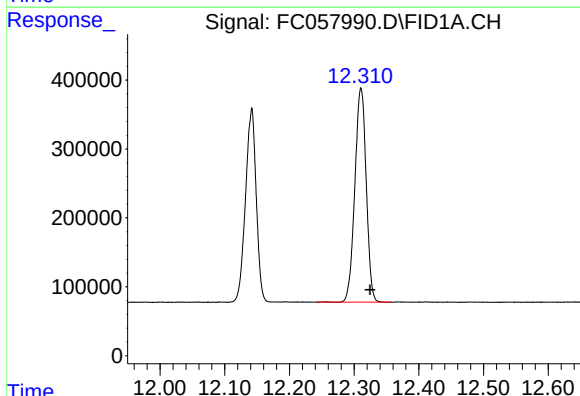
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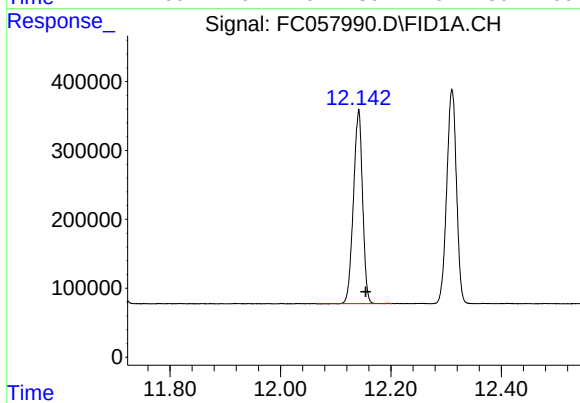
#10 n-Eicosane (C20)

R.T.: 11.702 min  
Delta R.T.: -0.014 min  
Response: 3815724  
Conc: 22.29 ug/ml



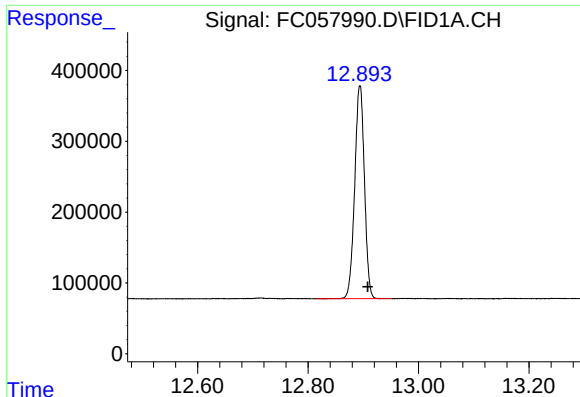
#11 n-Heneicosane (C21)

R.T.: 12.311 min  
Delta R.T.: -0.014 min  
Response: 3784971  
Conc: 21.89 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.141 min  
Delta R.T.: -0.013 min  
Response: 3232721  
Conc: 21.93 ug/ml



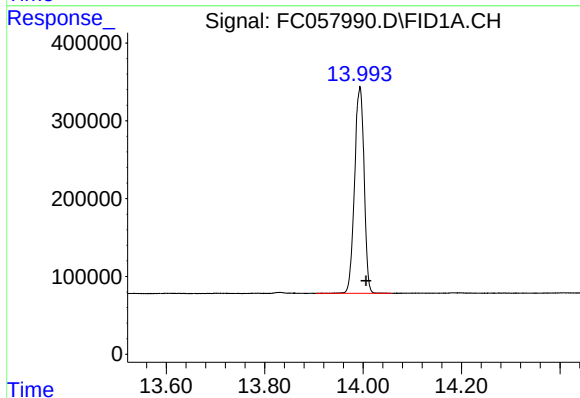
#13 n-Docosane (C22)

R.T.: 12.894 min  
Delta R.T.: -0.014 min  
Response: 3685354  
Conc: 21.30 ug/ml

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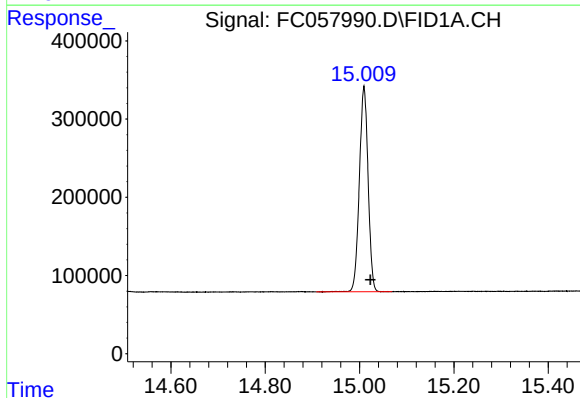
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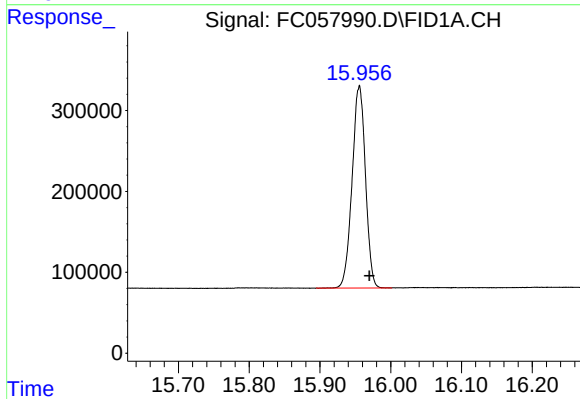
#14 n-Tetracosane (C24)

R.T.: 13.993 min  
Delta R.T.: -0.013 min  
Response: 3552953  
Conc: 20.52 ug/ml



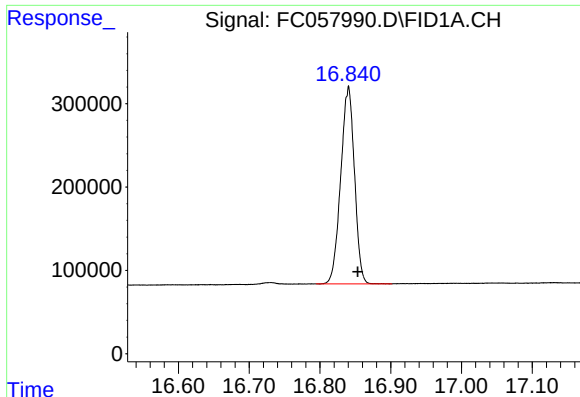
#15 n-Hexacosane (C26)

R.T.: 15.009 min  
Delta R.T.: -0.014 min  
Response: 3373726  
Conc: 20.05 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.956 min  
Delta R.T.: -0.014 min  
Response: 3274779  
Conc: 20.01 ug/ml



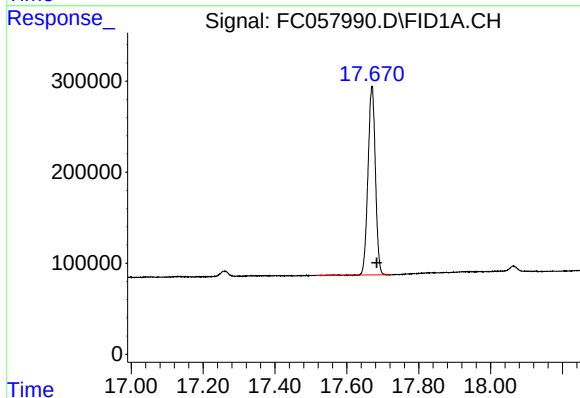
#17 n-Tricontane (C30)

R.T.: 16.840 min  
Delta R.T.: -0.014 min  
Response: 3192111  
Conc: 20.45 ug/ml

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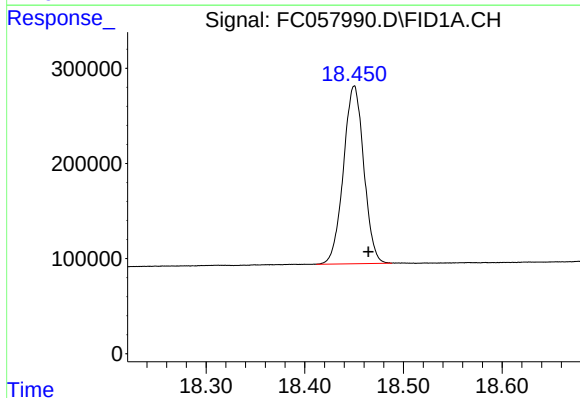
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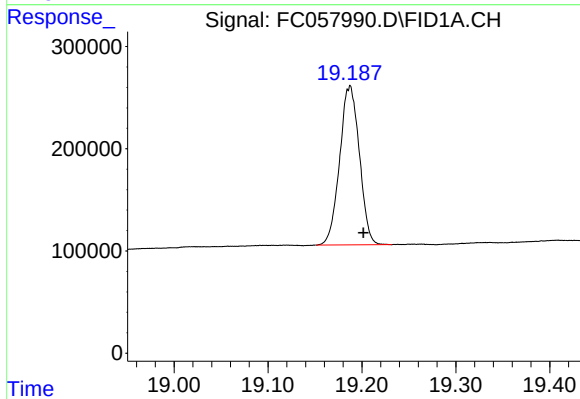
#18 n-Dotriacontane (C32)

R.T.: 17.670 min  
Delta R.T.: -0.013 min  
Response: 2961287  
Conc: 21.24 ug/ml



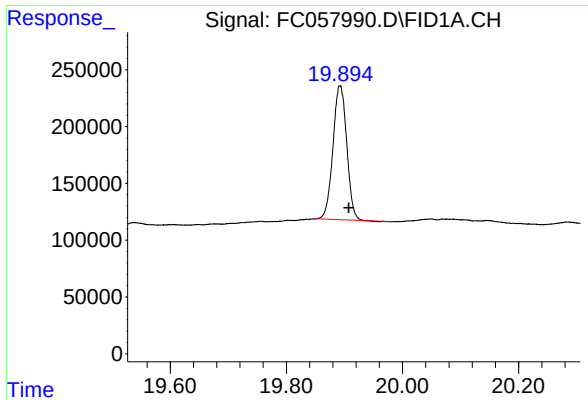
#19 n-Tetratriacontane (C34)

R.T.: 18.450 min  
Delta R.T.: -0.014 min  
Response: 2681114  
Conc: 21.57 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.187 min  
Delta R.T.: -0.014 min  
Response: 2269282  
Conc: 20.41 ug/ml



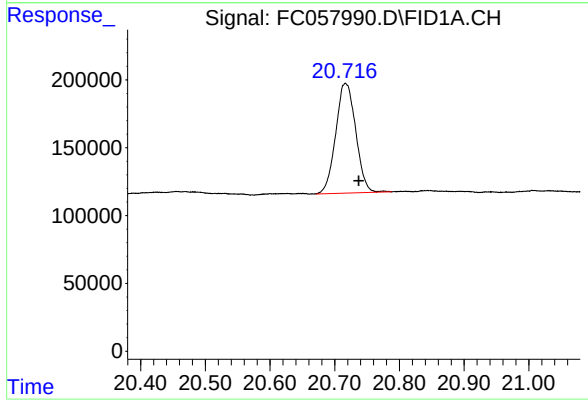
#21 n-Octatriacontane (C38)

R.T.: 19.893 min  
Delta R.T.: -0.015 min  
Response: 1942351  
Conc: 18.62 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.717 min  
Delta R.T.: -0.020 min  
Response: 1739465  
Conc: 18.17 ug/ml