

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC112421AL\  
 Data File : FC057092.D  
 Signal(s) : FID1A.CH  
 Acq On : 25 Nov 2021 10:32  
 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 :Ankita Jodhani 11/26/2021  
 Supervised By :mohammad ahmed 11/26/2021

Integration File: autoint1.e  
 Quant Time: Nov 25 23:54:56 2021  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 111921.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Nov 19 00:52:49 2021  
 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)    | 11.595 | 2354114    | 20.286 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 40.57%        |
| 12) S 1-chlorooctadecane (S... | 13.028 | 1817655    | 19.966 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 39.93%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.356  | 2165884    | 21.374 ug/ml  |
| 2) T n-Decane (C10)            | 4.423  | 2194172    | 21.911 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.013  | 2444225    | 21.890 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.441  | 2239028    | 22.083 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.070  | 2447620    | 22.198 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.235  | 2226601    | 21.976 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.835  | 2219017    | 21.624 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.275 | 2264562    | 21.137 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.583 | 2193862    | 20.512 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.194 | 2182636    | 20.155 ug/ml  |
| 13) T n-Docosane (C22)         | 13.779 | 2122518    | 19.812 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.879 | 2078280    | 19.198 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.897 | 1977007    | 18.560 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.844 | 1950140    | 18.283 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.729 | 1966510    | 18.450 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.559 | 1951538    | 18.502 ug/mlm |
| 19) T n-Tetratriacontane (C34) | 19.337 | 1955138    | 18.820 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 20.074 | 1880606    | 18.619 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 20.808 | 1872572    | 20.399 ug/mlm |
| 22) T n-Tetracontane (C40)     | 21.716 | 1877205    | 20.838 ug/mlm |
| -----                          |        |            |               |

(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

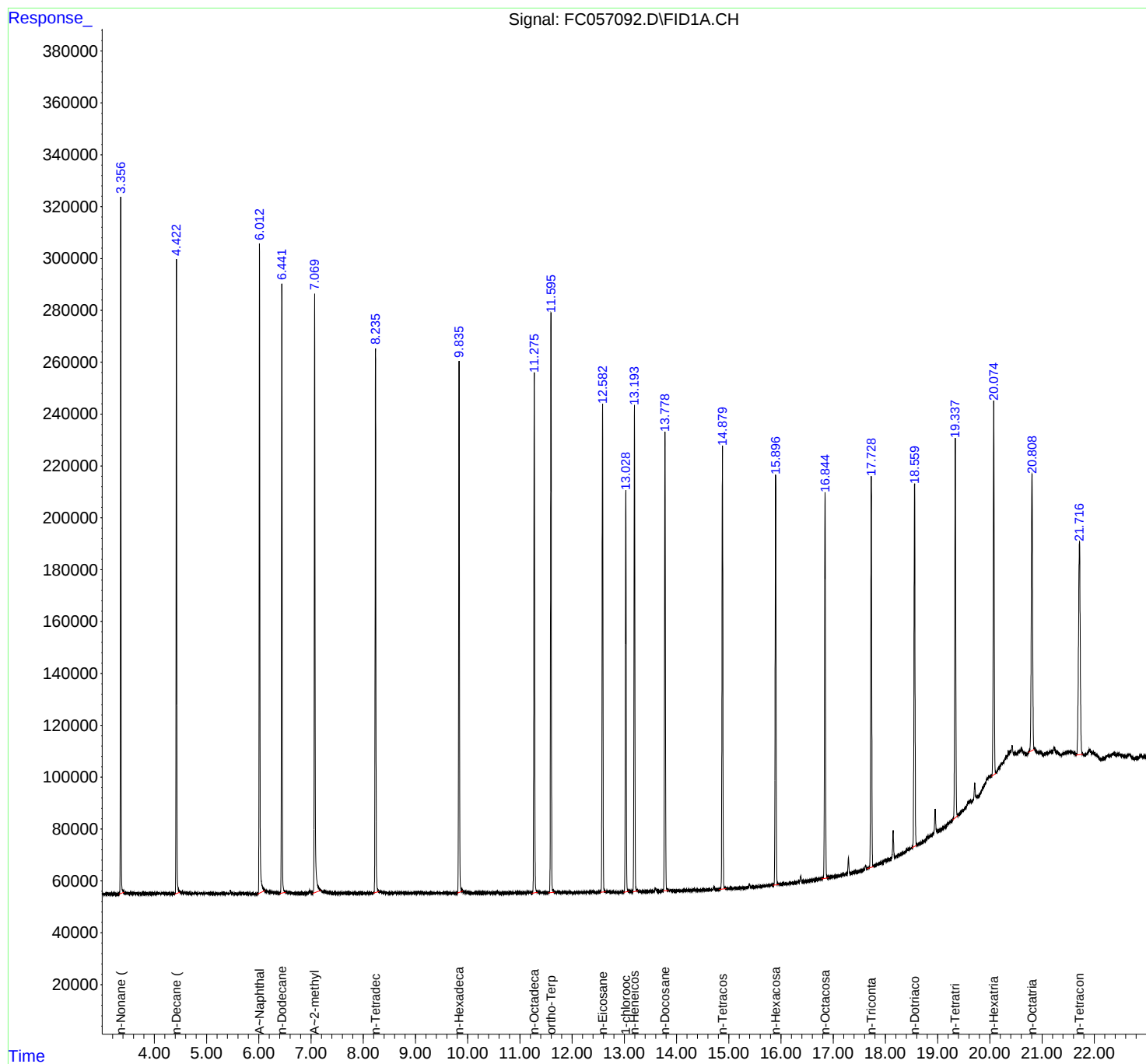
Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

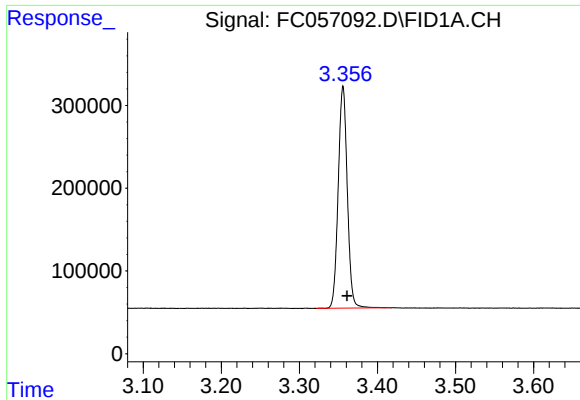
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Signal Phase : Rxi-1ms  
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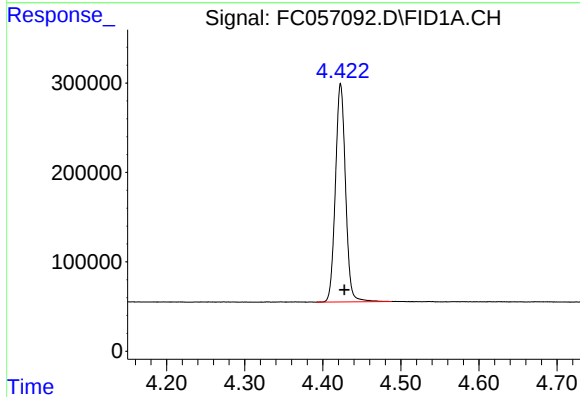
#1 n-Nonane (C9)

R.T.: 3.356 min  
Delta R.T.: -0.005 min  
Response: 2165884  
Conc: 21.37 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

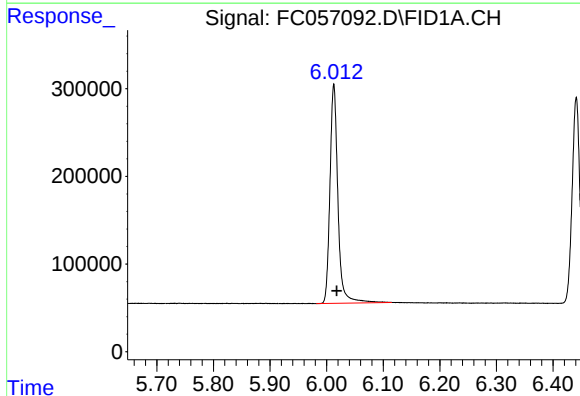
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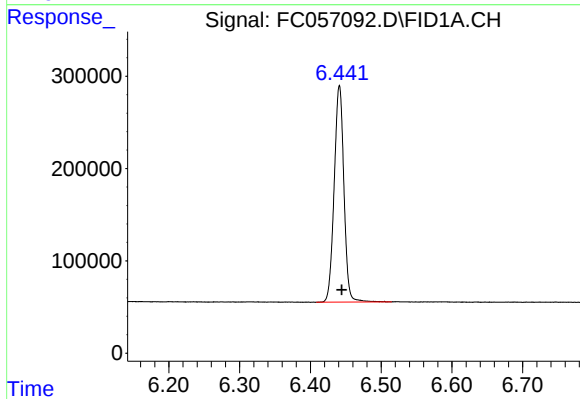
#2 n-Decane (C10)

R.T.: 4.423 min  
Delta R.T.: -0.005 min  
Response: 2194172  
Conc: 21.91 ug/ml



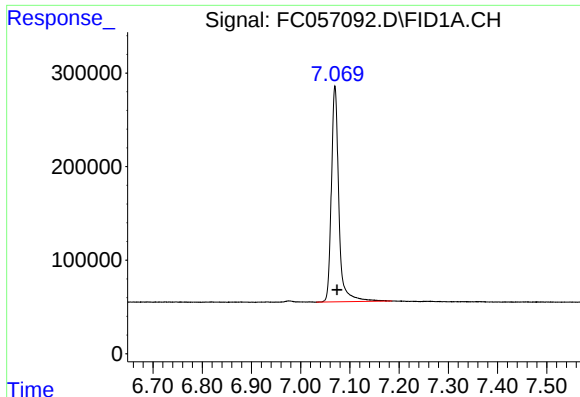
#3 A~Naphthalene (C11.7)

R.T.: 6.013 min  
Delta R.T.: -0.005 min  
Response: 2444225  
Conc: 21.89 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.441 min  
Delta R.T.: -0.003 min  
Response: 2239028  
Conc: 22.08 ug/ml



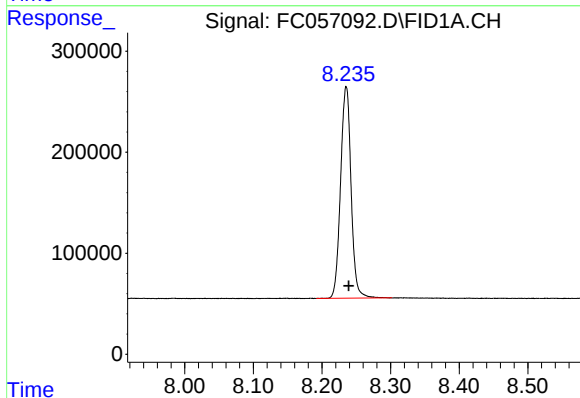
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.070 min  
Delta R.T.: -0.004 min  
Response: 2447620  
Conc: 22.20 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

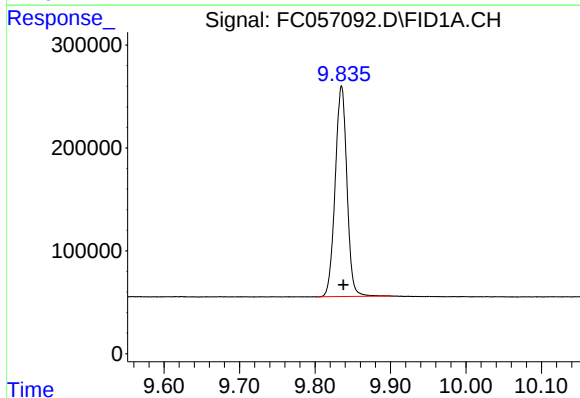
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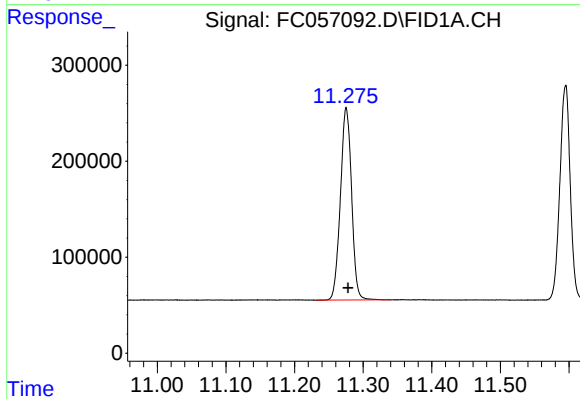
#6 n-Tetradecane (C14)

R.T.: 8.235 min  
Delta R.T.: -0.004 min  
Response: 2226601  
Conc: 21.98 ug/ml



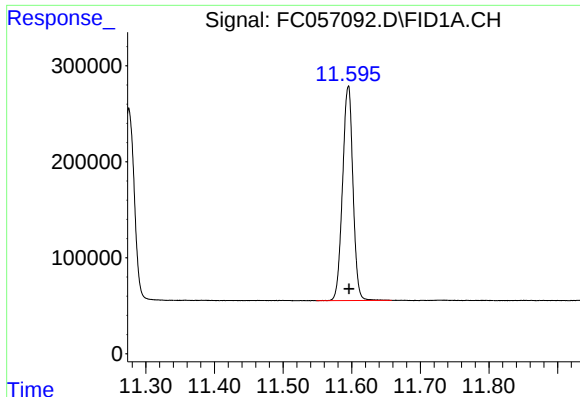
#7 n-Hexadecane (C16)

R.T.: 9.835 min  
Delta R.T.: -0.003 min  
Response: 2219017  
Conc: 21.62 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.275 min  
Delta R.T.: -0.002 min  
Response: 2264562  
Conc: 21.14 ug/ml



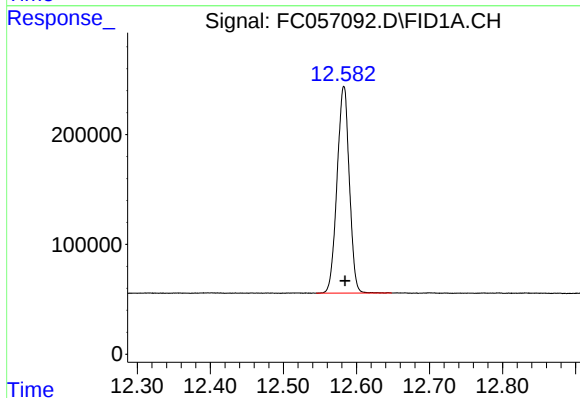
#9 ortho-Terphenyl (SURR)

R.T.: 11.595 min  
Delta R.T.: -0.001 min  
Response: 2354114  
Conc: 20.29 ug/ml

Instrument :  
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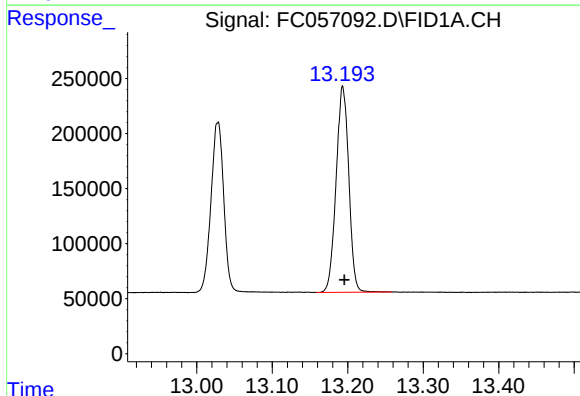
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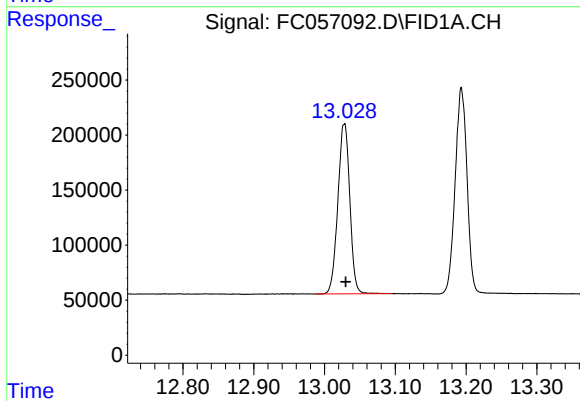
#10 n-Eicosane (C20)

R.T.: 12.583 min  
Delta R.T.: -0.002 min  
Response: 2193862  
Conc: 20.51 ug/ml



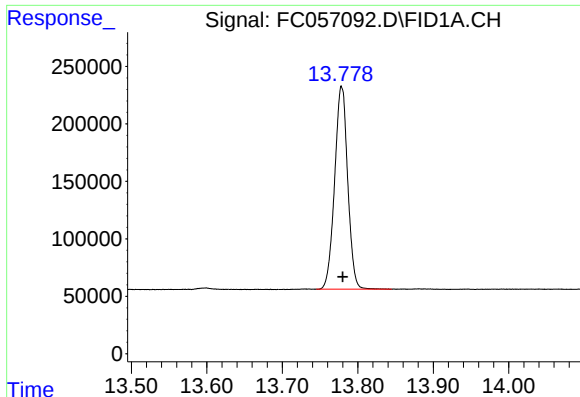
#11 n-Heneicosane (C21)

R.T.: 13.194 min  
Delta R.T.: -0.002 min  
Response: 2182636  
Conc: 20.15 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.028 min  
Delta R.T.: -0.002 min  
Response: 1817655  
Conc: 19.97 ug/ml



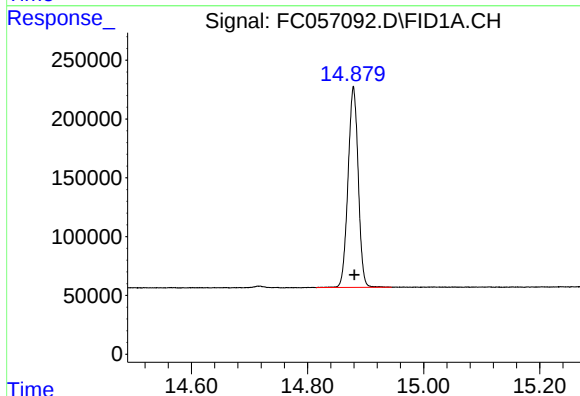
#13 n-Docosane (C22)

R.T.: 13.779 min  
Delta R.T.: -0.001 min  
Response: 2122518  
Conc: 19.81 ug/ml

Instrument :  
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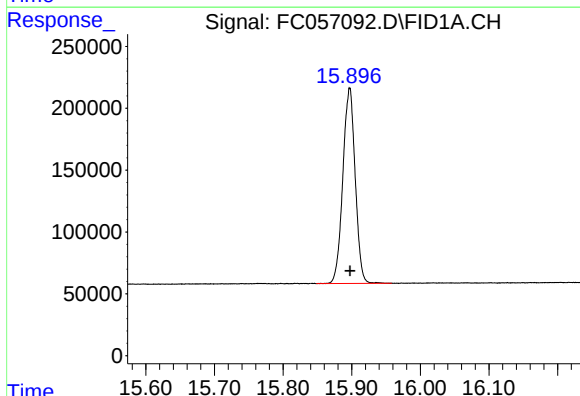
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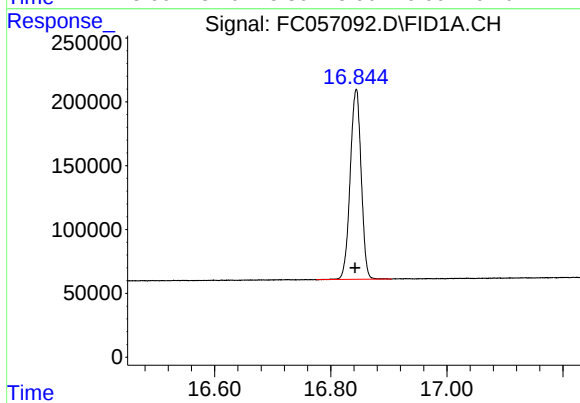
#14 n-Tetracosane (C24)

R.T.: 14.879 min  
Delta R.T.: -0.002 min  
Response: 2078280  
Conc: 19.20 ug/ml



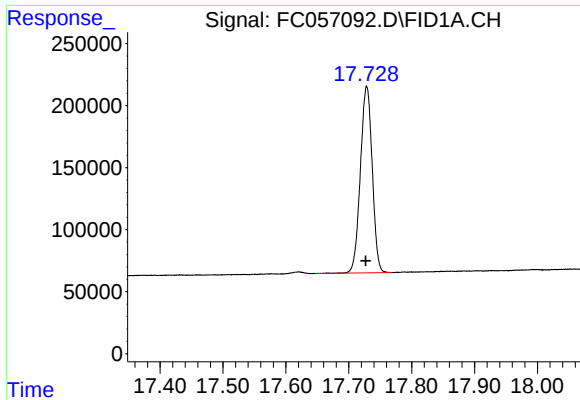
#15 n-Hexacosane (C26)

R.T.: 15.897 min  
Delta R.T.: -0.001 min  
Response: 1977007  
Conc: 18.56 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.844 min  
Delta R.T.: 0.001 min  
Response: 1950140  
Conc: 18.28 ug/ml



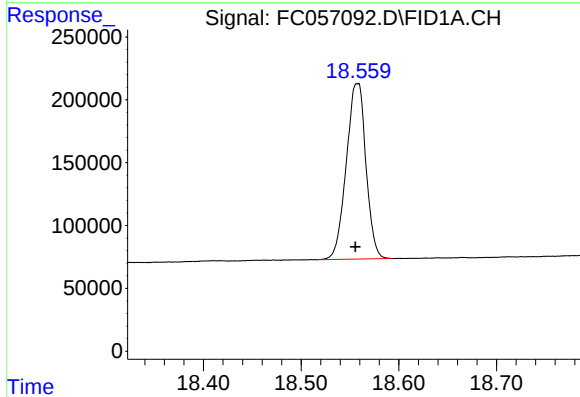
#17 n-Tricontane (C30)

R.T.: 17.729 min  
Delta R.T.: 0.001 min  
Response: 1966510  
Conc: 18.45 ug/ml

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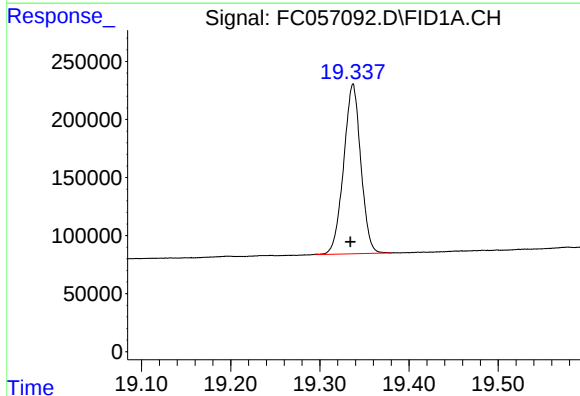
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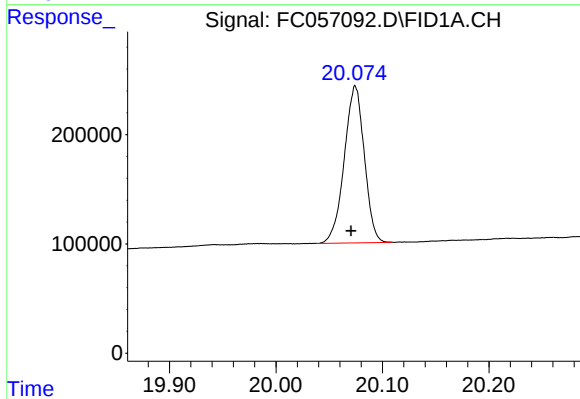
#18 n-Dotriacontane (C32)

R.T.: 18.559 min  
Delta R.T.: 0.004 min  
Response: 1951538  
Conc: 18.50 ug/ml m



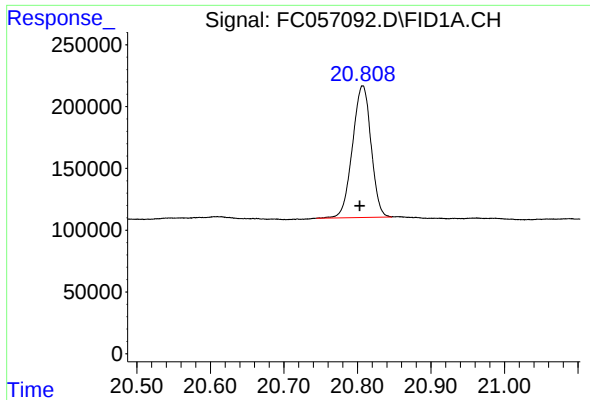
#19 n-Tetratriacontane (C34)

R.T.: 19.337 min  
Delta R.T.: 0.003 min  
Response: 1955138  
Conc: 18.82 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.074 min  
Delta R.T.: 0.003 min  
Response: 1880606  
Conc: 18.62 ug/ml m



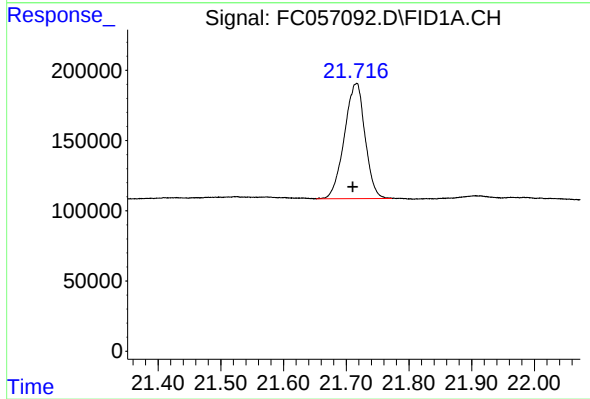
#21 n-Octatriacontane (C38)

R.T.: 20.808 min  
Delta R.T.: 0.005 min  
Response: 1872572  
Conc: 20.40 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.716 min  
Delta R.T.: 0.006 min  
Response: 1877205  
Conc: 20.84 ug/ml m