

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC092921AL\  
 Data File : FC055921.D  
 Signal(s) : FID1A.CH  
 Acq On : 30 Sep 2021 9:52  
 Operator : AJ\MA  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

mohammad  
 9/30/2021 11:12:13 AM

Integration File: autoint1.e  
 Quant Time: Sep 30 10:45:56 2021  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 092921.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Sep 30 01:25:44 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)    | 11.651 | 2152949    | 18.144 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 36.29%        |
| 12) S 1-chlorooctadecane (S... | 13.083 | 1656418    | 18.029 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 36.06%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.400  | 2138012    | 20.035 ug/ml  |
| 2) T n-Decane (C10)            | 4.471  | 2150962    | 20.122 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.065  | 2380962    | 19.788 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.491  | 2154367    | 19.849 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.123  | 2364995    | 19.469 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.287  | 2133673    | 19.286 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.887  | 2088264    | 18.866 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.329 | 2074465    | 18.535 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.637 | 1987261    | 18.194 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.249 | 1973920    | 18.155 ug/ml  |
| 13) T n-Docosane (C22)         | 13.835 | 1923237    | 18.008 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.938 | 1867948    | 17.863 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.957 | 1799954    | 17.915 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.906 | 1762684    | 18.223 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.793 | 1750980    | 18.871 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.623 | 1709385    | 19.227 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.404 | 1709498    | 19.766 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 20.143 | 1781366    | 21.803 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.886 | 1714886    | 21.520 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.813 | 1663364    | 20.750 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Acq On : 30 Sep 2021 9:52  
Operator : AJ\MA  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

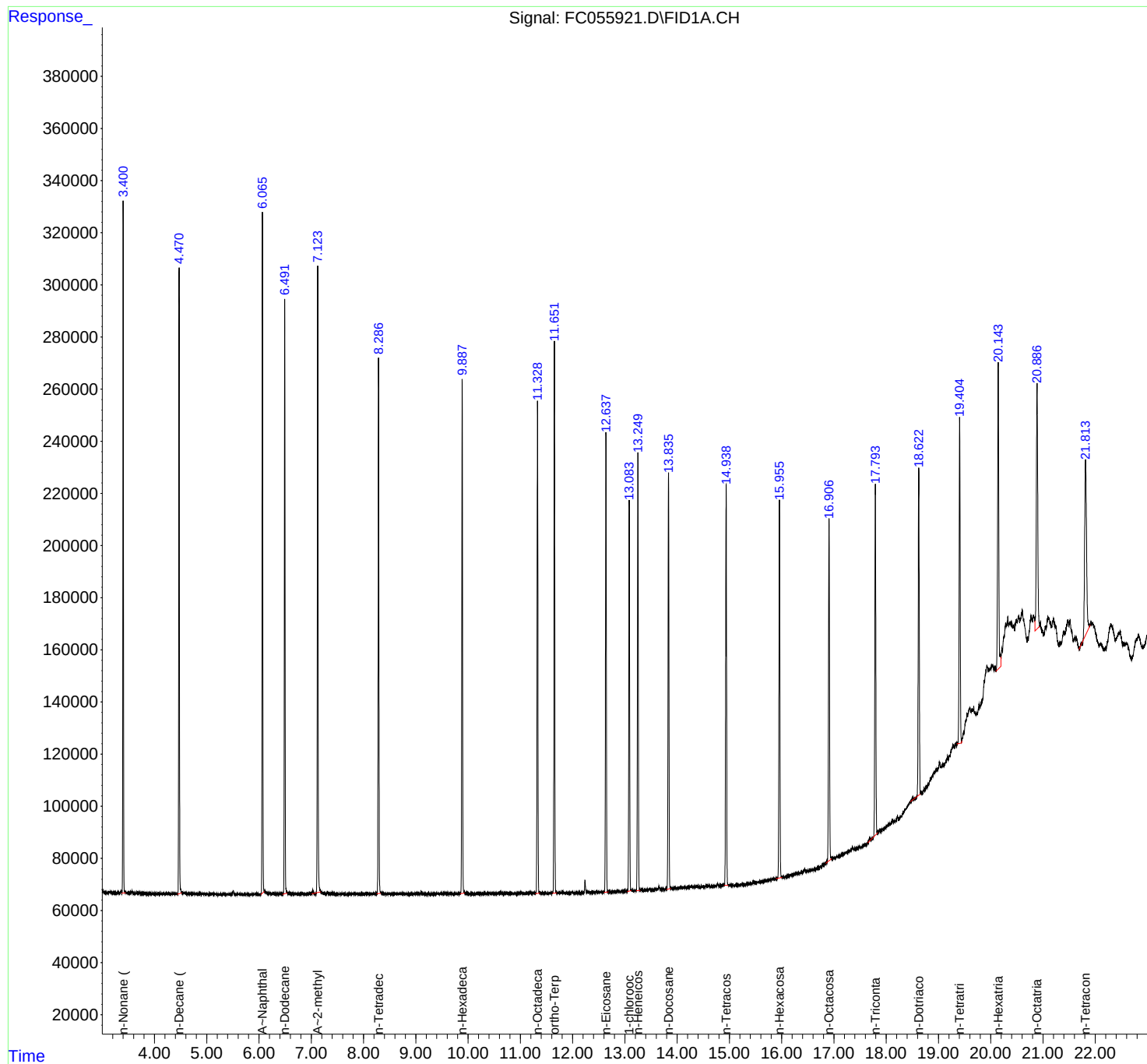
Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

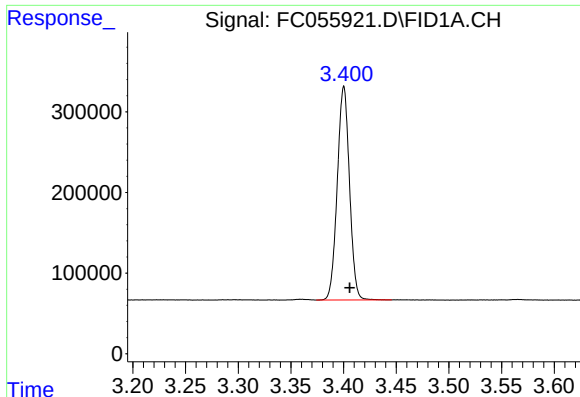
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Integration File: autoint1.e  
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Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 092921.M  
Quant Title : GC Extractables  
QLast Update : Thu Sep 30 01:25:44 2021  
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Volume Inj. : 1 ul  
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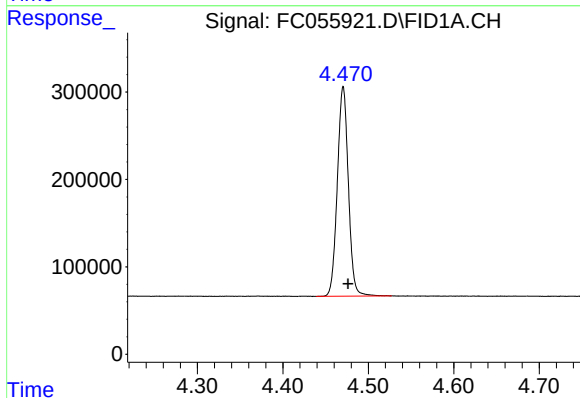
#1 n-Nonane (C9)

R.T.: 3.400 min  
Delta R.T.: -0.006 min  
Response: 2138012  
Conc: 20.04 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

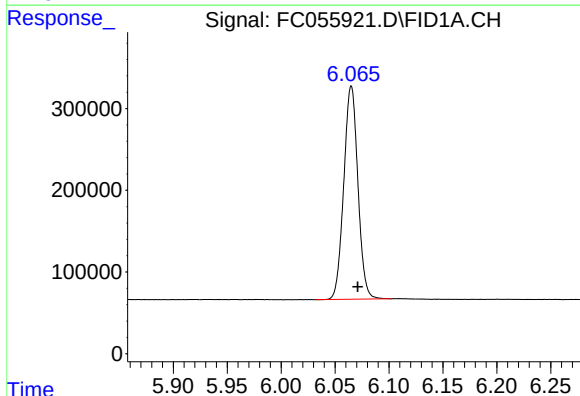
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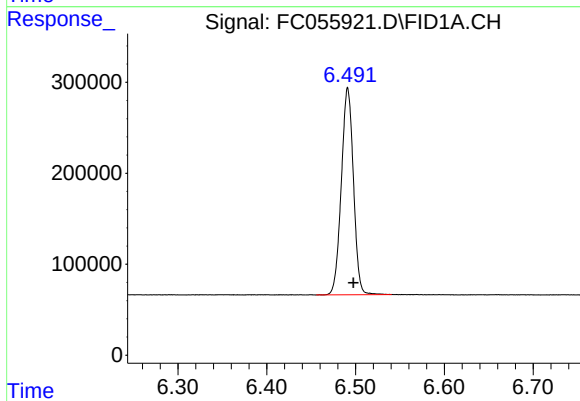
#2 n-Decane (C10)

R.T.: 4.471 min  
Delta R.T.: -0.006 min  
Response: 2150962  
Conc: 20.12 ug/ml



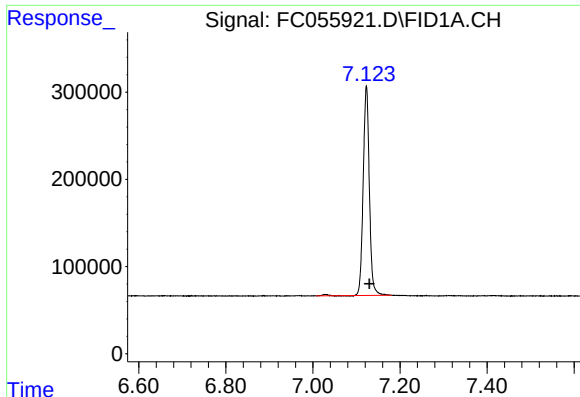
#3 A~Naphthalene (C11.7)

R.T.: 6.065 min  
Delta R.T.: -0.006 min  
Response: 2380962  
Conc: 19.79 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.491 min  
Delta R.T.: -0.006 min  
Response: 2154367  
Conc: 19.85 ug/ml



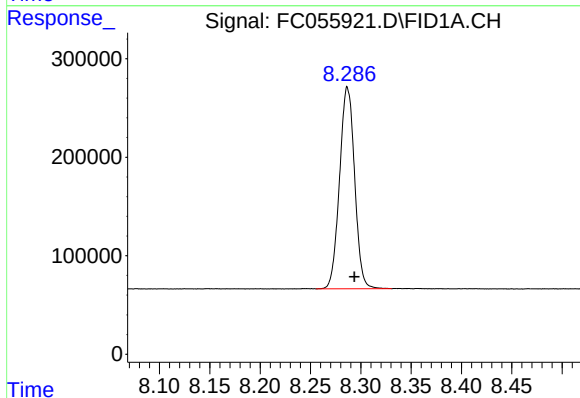
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.123 min  
Delta R.T.: -0.007 min  
Response: 2364995  
Conc: 19.47 ug/ml

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20 PPM ALIPHATIC HC STD

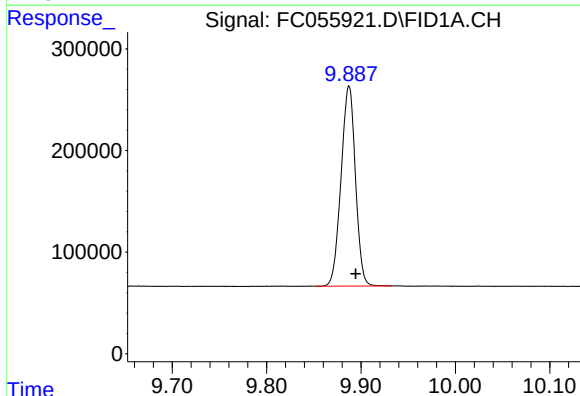
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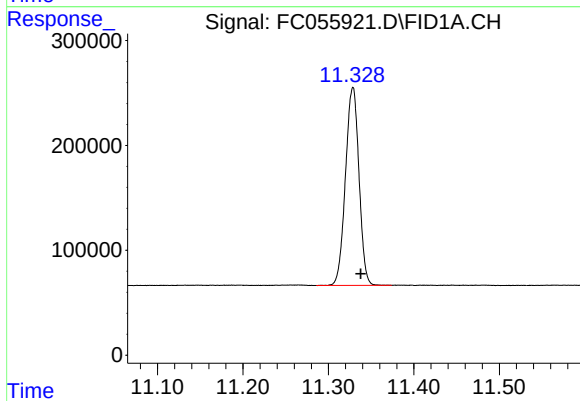
#6 n-Tetradecane (C14)

R.T.: 8.287 min  
Delta R.T.: -0.007 min  
Response: 2133673  
Conc: 19.29 ug/ml



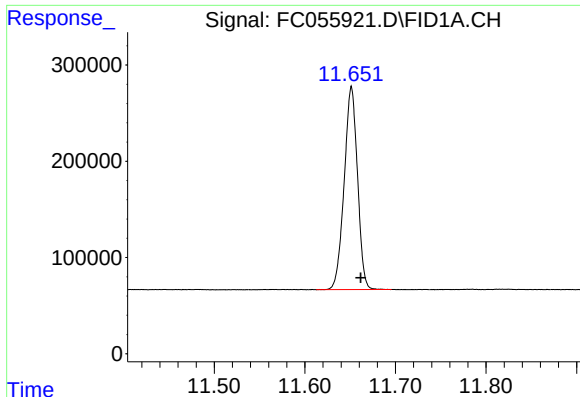
#7 n-Hexadecane (C16)

R.T.: 9.887 min  
Delta R.T.: -0.007 min  
Response: 2088264  
Conc: 18.87 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.329 min  
Delta R.T.: -0.009 min  
Response: 2074465  
Conc: 18.54 ug/ml



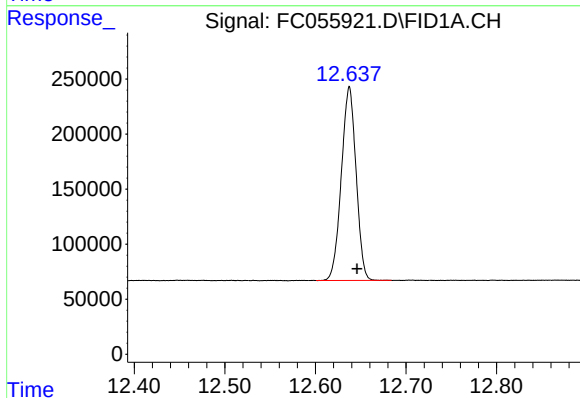
#9 ortho-Terphenyl (SURR)

R.T.: 11.651 min  
Delta R.T.: -0.010 min  
Response: 2152949  
Conc: 18.14 ug/ml

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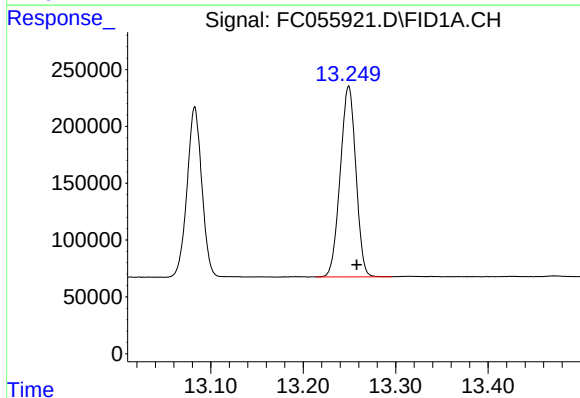
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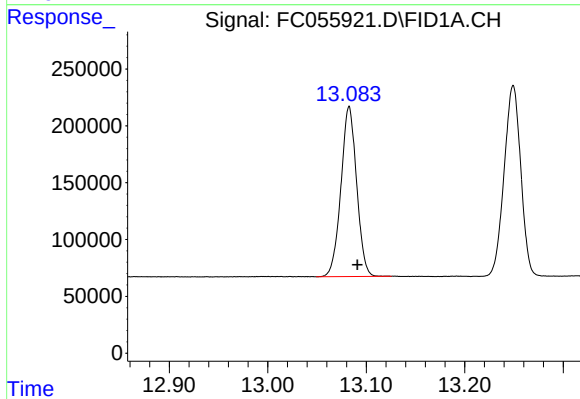
#10 n-Eicosane (C20)

R.T.: 12.637 min  
Delta R.T.: -0.009 min  
Response: 1987261  
Conc: 18.19 ug/ml



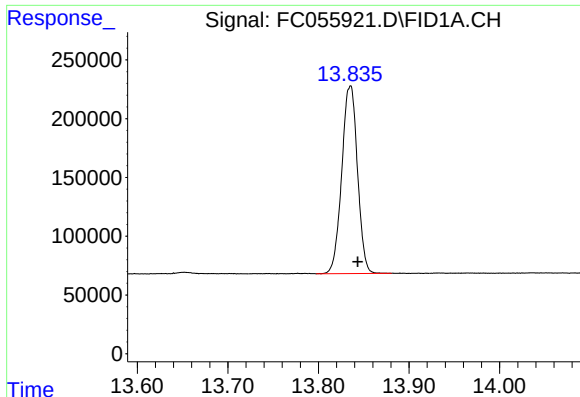
#11 n-Heneicosane (C21)

R.T.: 13.249 min  
Delta R.T.: -0.009 min  
Response: 1973920  
Conc: 18.16 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.083 min  
Delta R.T.: -0.008 min  
Response: 1656418  
Conc: 18.03 ug/ml



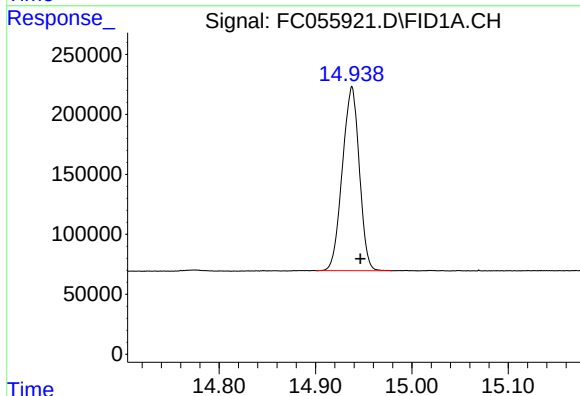
#13 n-Docosane (C22)

R.T.: 13.835 min  
Delta R.T.: -0.009 min  
Response: 1923237  
Conc: 18.01 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

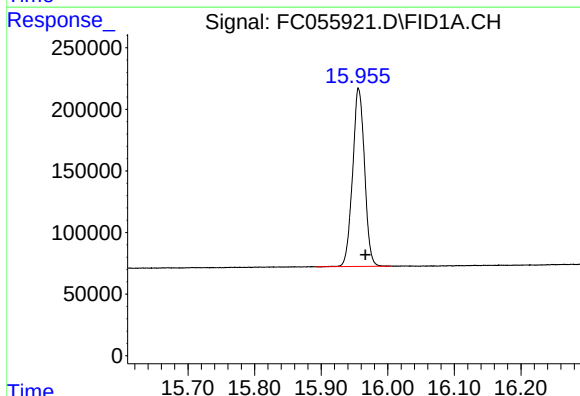
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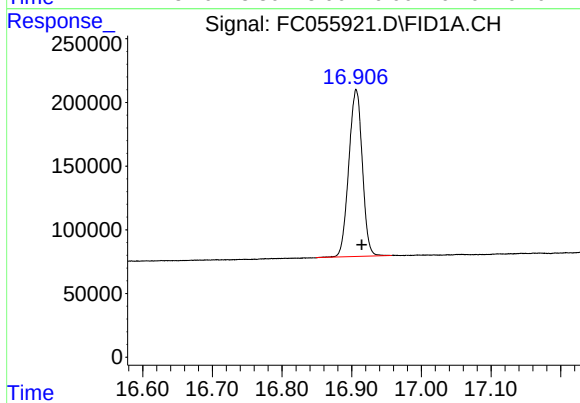
#14 n-Tetracosane (C24)

R.T.: 14.938 min  
Delta R.T.: -0.009 min  
Response: 1867948  
Conc: 17.86 ug/ml



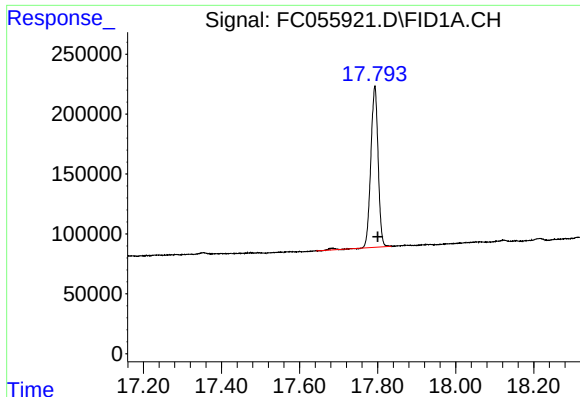
#15 n-Hexacosane (C26)

R.T.: 15.957 min  
Delta R.T.: -0.010 min  
Response: 1799954  
Conc: 17.91 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.906 min  
Delta R.T.: -0.008 min  
Response: 1762684  
Conc: 18.22 ug/ml



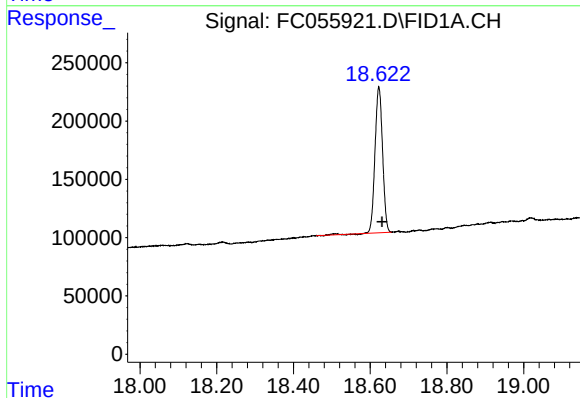
#17 n-Tricontane (C30)

R.T.: 17.793 min  
Delta R.T.: -0.008 min  
Response: 1750980  
Conc: 18.87 ug/ml

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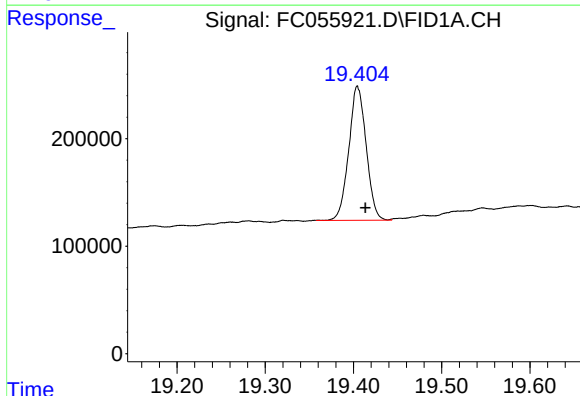
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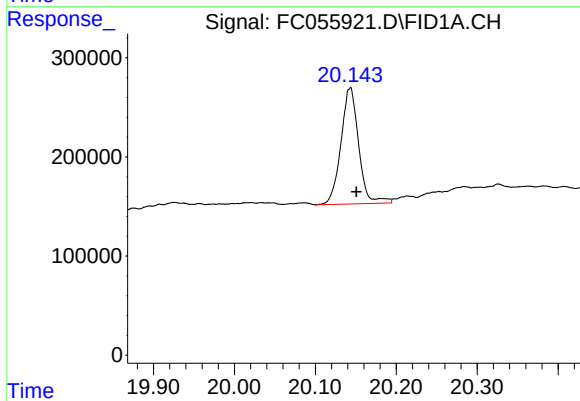
#18 n-Dotriacontane (C32)

R.T.: 18.623 min  
Delta R.T.: -0.008 min  
Response: 1709385  
Conc: 19.23 ug/ml



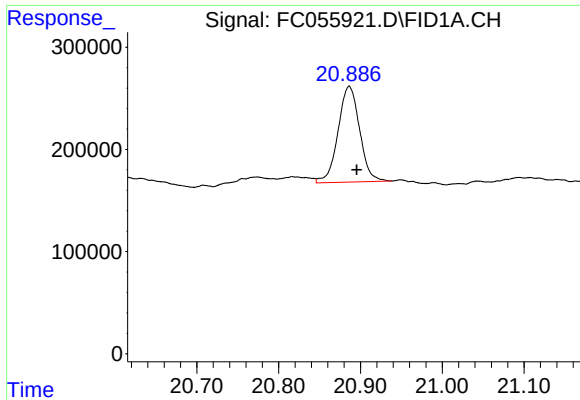
#19 n-Tetratriacontane (C34)

R.T.: 19.404 min  
Delta R.T.: -0.009 min  
Response: 1709498  
Conc: 19.77 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.143 min  
Delta R.T.: -0.008 min  
Response: 1781366  
Conc: 21.80 ug/ml



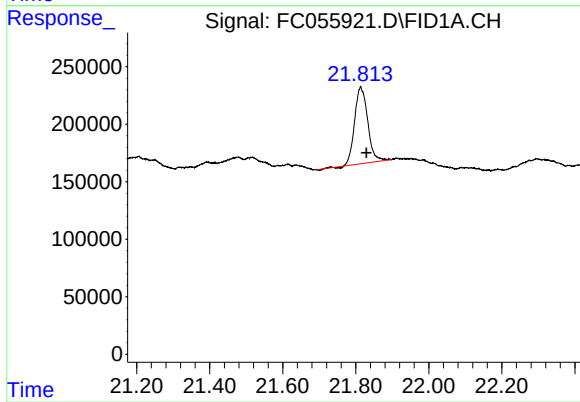
#21 n-Octatriacontane (C38)

R.T.: 20.886 min  
Delta R.T.: -0.009 min  
Response: 1714886  
Conc: 21.52 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.813 min  
Delta R.T.: -0.016 min  
Response: 1663364  
Conc: 20.75 ug/ml