

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC060122AL\  
 Data File : FC060034.D  
 Signal(s) : FID1A.CH  
 Acq On : 01 Jun 2022 11:12  
 Operator : UA/NP  
 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 06/02/2022  
 Supervised By :Ankita Jodhani 06/02/2022

Integration File: sample.E  
 Quant Time: Jun 02 04:58:43 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 052722.M  
 Quant Title : GC Extractables  
 QLast Update : Sat May 28 08:22:04 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)    | 10.649 | 3265081    | 20.981 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 41.96%        |
| 12) S 1-chlorooctadecane (S... | 12.019 | 2620721    | 21.137 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 42.27%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 2.632  | 2717243    | 21.231 ug/ml  |
| 2) T n-Decane (C10)            | 3.629  | 2746028    | 21.465 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.164  | 3125850    | 21.626 ug/ml  |
| 4) T n-Dodecane (C12)          | 5.580  | 2859538    | 21.451 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.189  | 3182360    | 21.683 ug/ml  |
| 6) T n-Tetradecane (C14)       | 7.332  | 2931160    | 21.471 ug/ml  |
| 7) T n-Hexadecane (C16)        | 8.895  | 3014222    | 21.483 ug/ml  |
| 8) T n-Octadecane (C18)        | 10.304 | 3064026    | 21.411 ug/ml  |
| 10) T n-Eicosane (C20)         | 11.584 | 3024181    | 21.197 ug/ml  |
| 11) T n-Heneicosane (C21)      | 12.182 | 3018543    | 21.059 ug/ml  |
| 13) T n-Docosane (C22)         | 12.754 | 2990859    | 20.989 ug/ml  |
| 14) T n-Tetracosane (C24)      | 13.832 | 2908079    | 20.723 ug/ml  |
| 15) T n-Hexacosane (C26)       | 14.830 | 2785188    | 20.568 ug/ml  |
| 16) T n-Octacosane (C28)       | 15.757 | 2683902    | 20.608 ug/ml  |
| 17) T n-Tricontane (C30)       | 16.624 | 2587205    | 21.133 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 17.436 | 2419184    | 21.698 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 18.201 | 2210412    | 21.672 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 18.924 | 2070739    | 21.867 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 19.603 | 2013972    | 21.829 ug/mlm |
| 22) T n-Tetracontane (C40)     | 20.254 | 2041372    | 21.697 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Signal(s) : FID1A.CH  
Acq On : 01 Jun 2022 11:12  
Operator : UA/NP  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

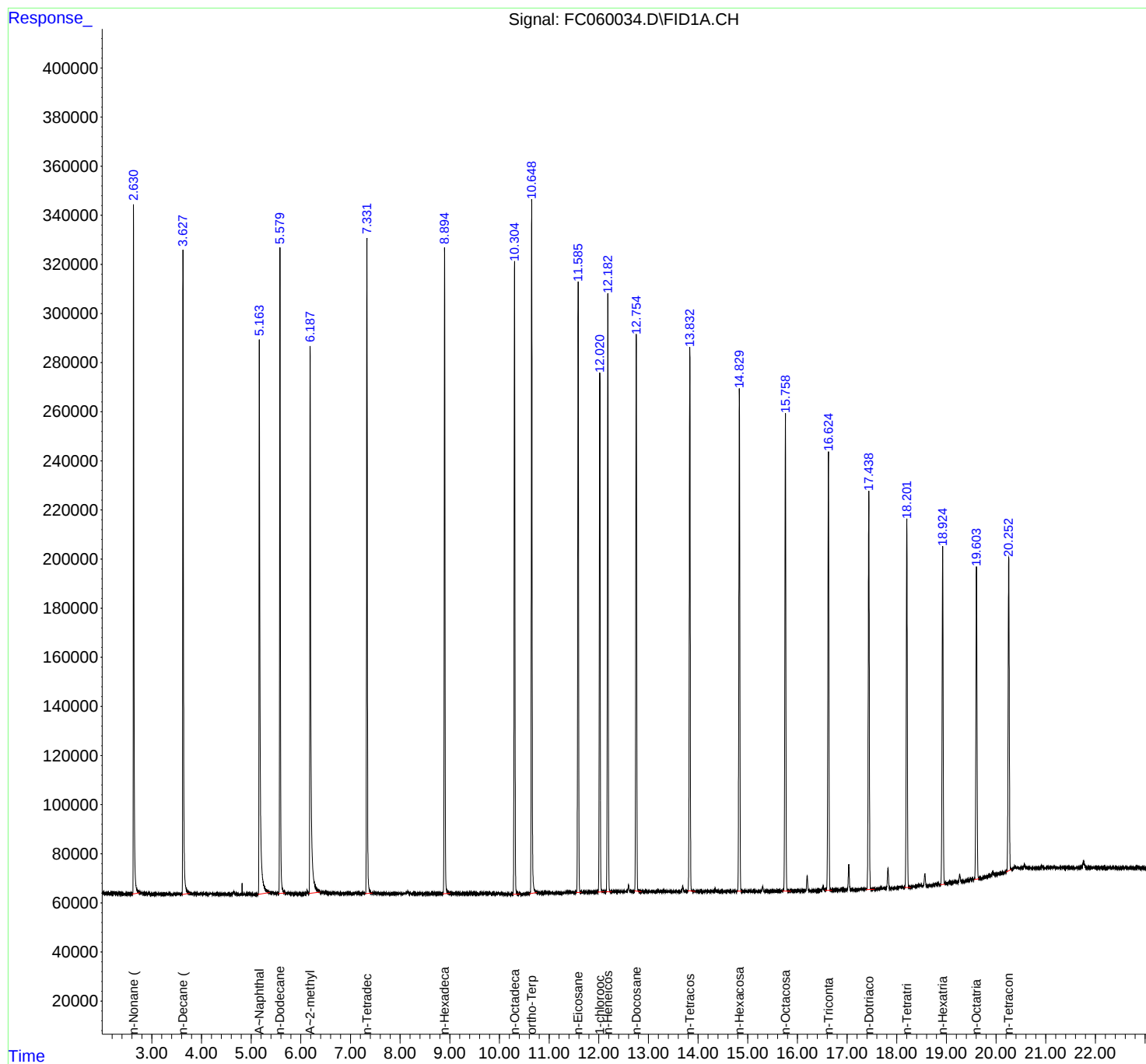
Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

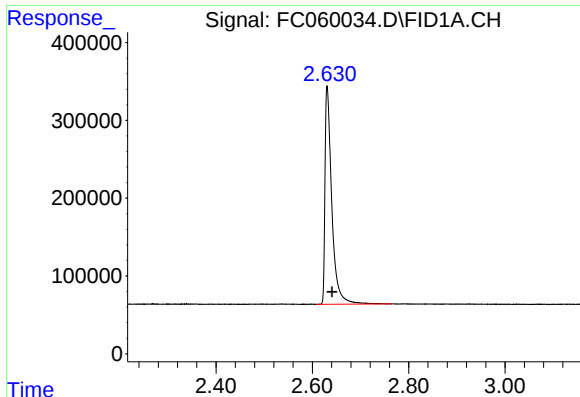
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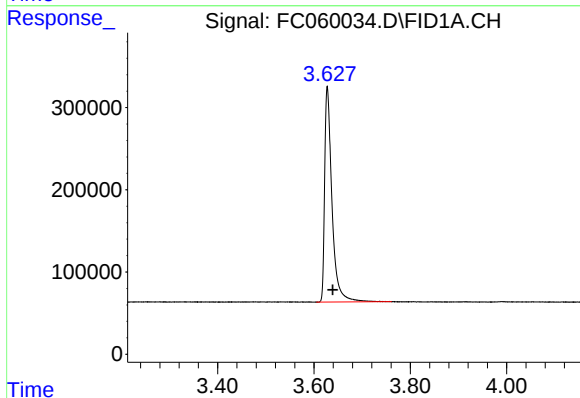
#1 n-Nonane (C9)

R.T.: 2.632 min  
Delta R.T.: -0.009 min  
Response: 2717243  
Conc: 21.23 ug/ml

Instrument :  
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ClientSampleId :  
20 PPM ALIPHATIC HC STD

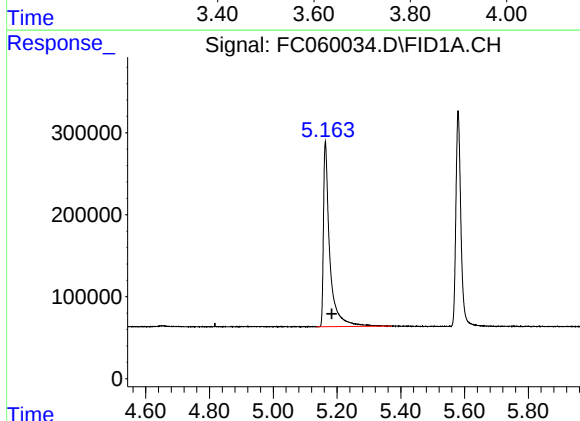
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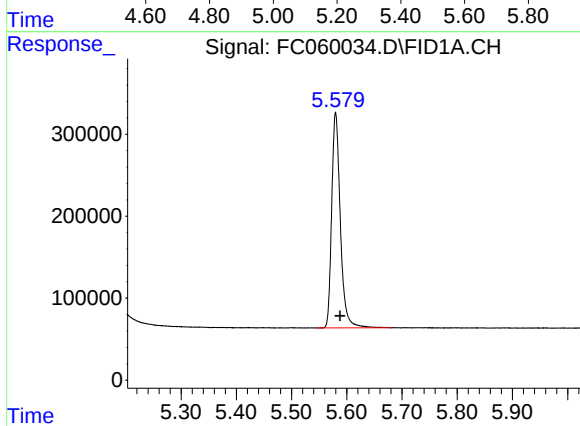
#2 n-Decane (C10)

R.T.: 3.629 min  
Delta R.T.: -0.010 min  
Response: 2746028  
Conc: 21.46 ug/ml



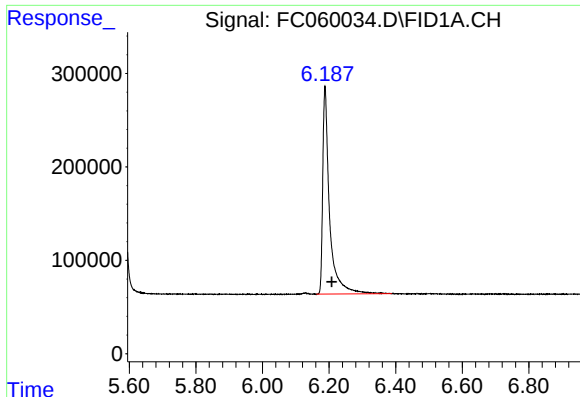
#3 A~Naphthalene (C11.7)

R.T.: 5.164 min  
Delta R.T.: -0.020 min  
Response: 3125850  
Conc: 21.63 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.580 min  
Delta R.T.: -0.008 min  
Response: 2859538  
Conc: 21.45 ug/ml



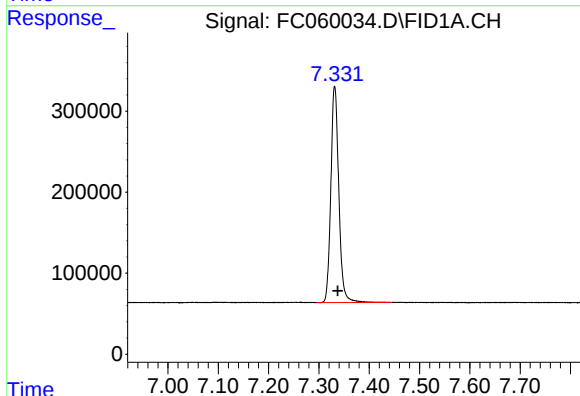
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.189 min  
Delta R.T.: -0.019 min  
Response: 3182360  
Conc: 21.68 ug/ml

Instrument :  
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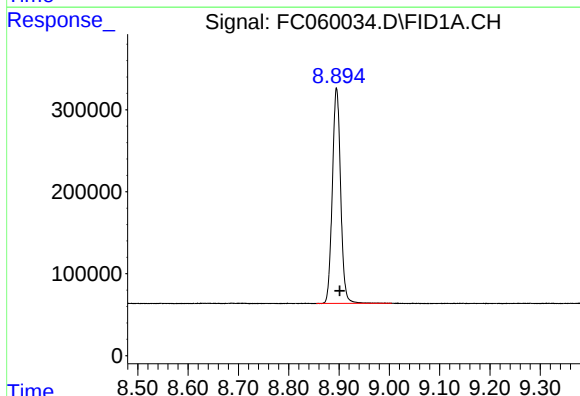
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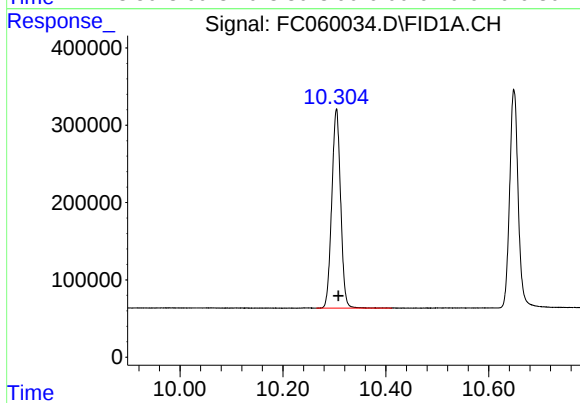
#6 n-Tetradecane (C14)

R.T.: 7.332 min  
Delta R.T.: -0.006 min  
Response: 2931160  
Conc: 21.47 ug/ml



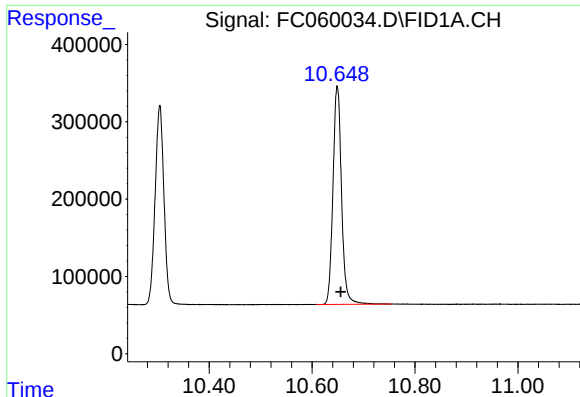
#7 n-Hexadecane (C16)

R.T.: 8.895 min  
Delta R.T.: -0.006 min  
Response: 3014222  
Conc: 21.48 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.304 min  
Delta R.T.: -0.004 min  
Response: 3064026  
Conc: 21.41 ug/ml



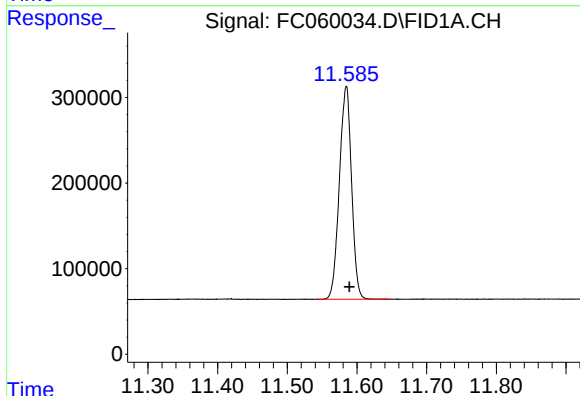
#9 ortho-Terphenyl (SURR)

R.T.: 10.649 min  
Delta R.T.: -0.007 min  
Response: 3265081  
Conc: 20.98 ug/ml

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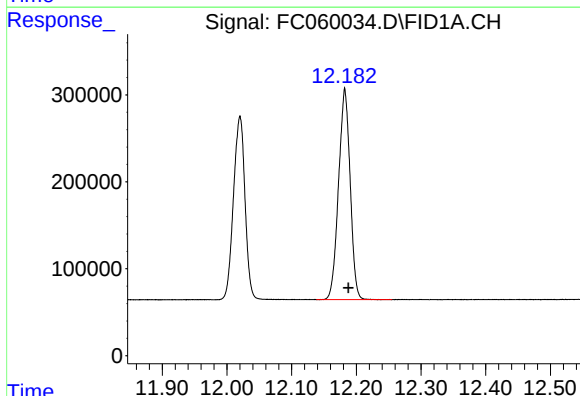
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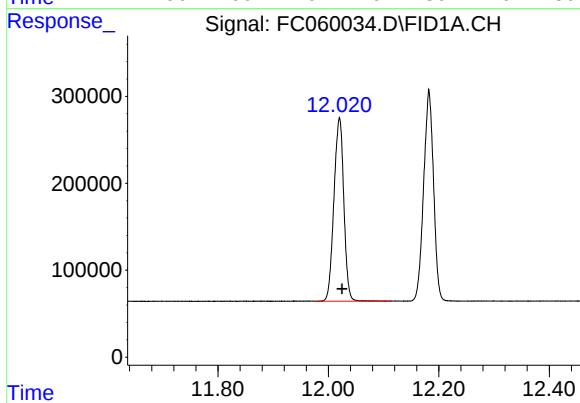
#10 n-Eicosane (C20)

R.T.: 11.584 min  
Delta R.T.: -0.005 min  
Response: 3024181  
Conc: 21.20 ug/ml



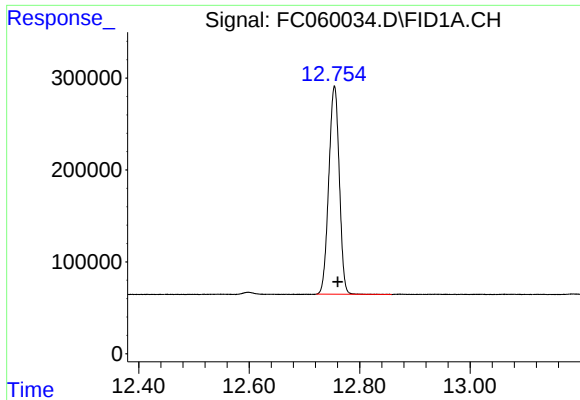
#11 n-Heneicosane (C21)

R.T.: 12.182 min  
Delta R.T.: -0.006 min  
Response: 3018543  
Conc: 21.06 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.019 min  
Delta R.T.: -0.005 min  
Response: 2620721  
Conc: 21.14 ug/ml



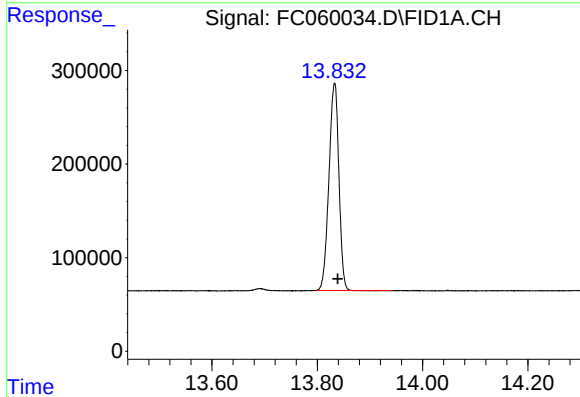
#13 n-Docosane (C22)

R.T.: 12.754 min  
Delta R.T.: -0.006 min  
Response: 2990859  
Conc: 20.99 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

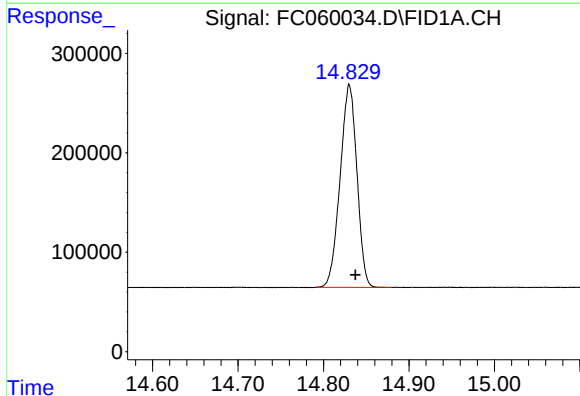
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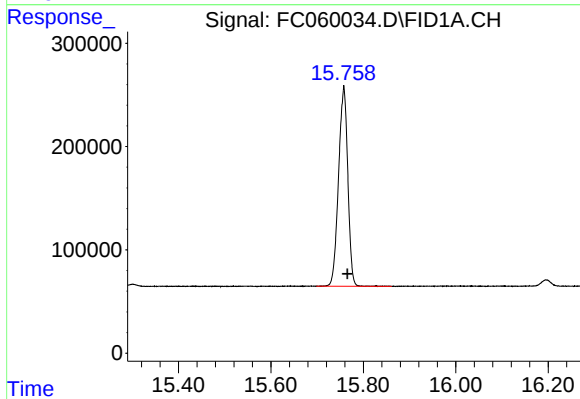
#14 n-Tetracosane (C24)

R.T.: 13.832 min  
Delta R.T.: -0.007 min  
Response: 2908079  
Conc: 20.72 ug/ml



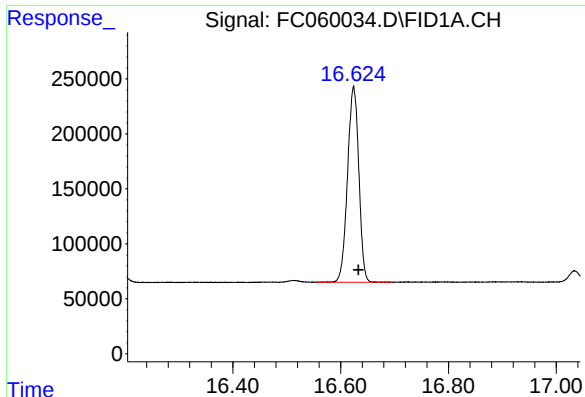
#15 n-Hexacosane (C26)

R.T.: 14.830 min  
Delta R.T.: -0.007 min  
Response: 2785188  
Conc: 20.57 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.757 min  
Delta R.T.: -0.009 min  
Response: 2683902  
Conc: 20.61 ug/ml



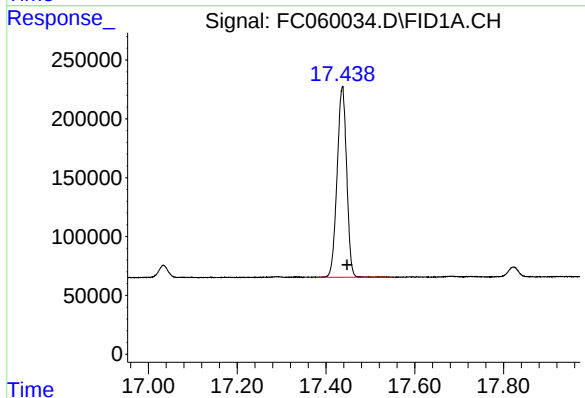
#17 n-Tricontane (C30)

R.T.: 16.624 min  
Delta R.T.: -0.009 min  
Response: 2587205  
Conc: 21.13 ug/ml

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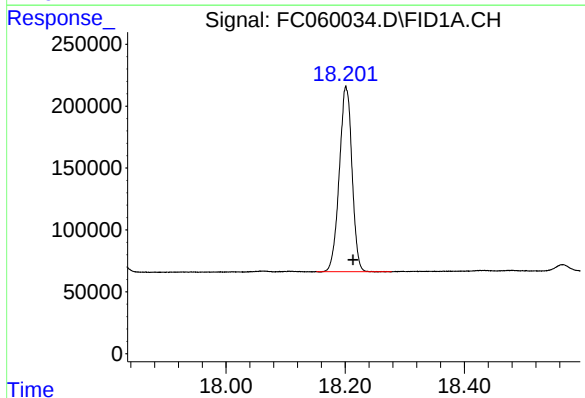
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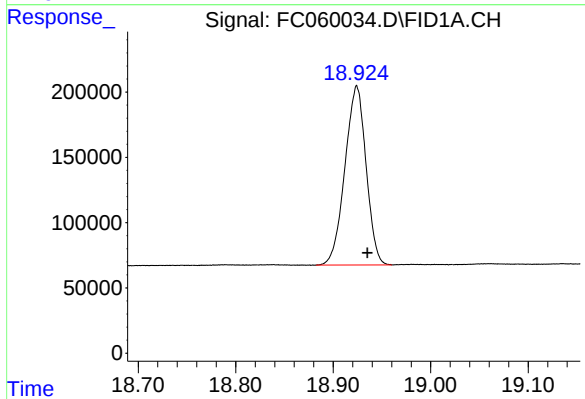
#18 n-Dotriacontane (C32)

R.T.: 17.436 min  
Delta R.T.: -0.011 min  
Response: 2419184  
Conc: 21.70 ug/ml



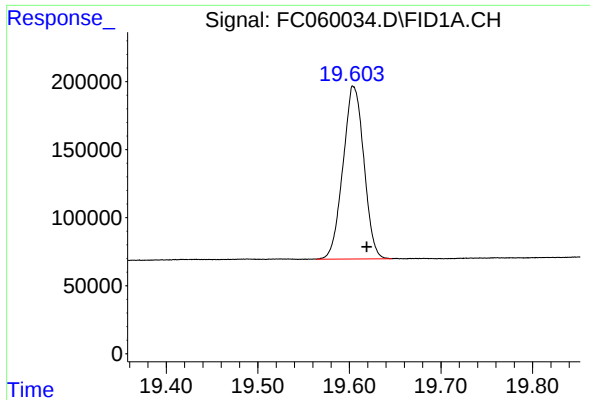
#19 n-Tetratriacontane (C34)

R.T.: 18.201 min  
Delta R.T.: -0.012 min  
Response: 2210412  
Conc: 21.67 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 18.924 min  
Delta R.T.: -0.011 min  
Response: 2070739  
Conc: 21.87 ug/ml m



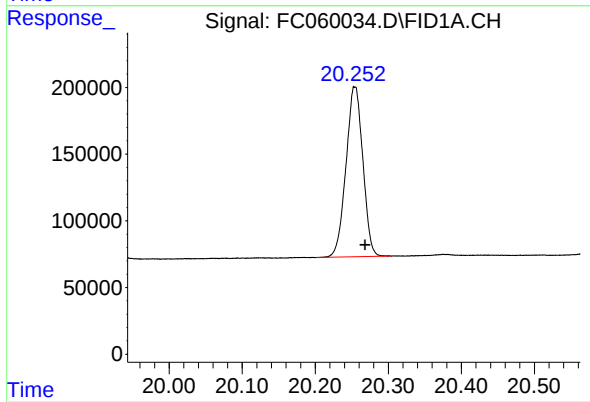
#21 n-Octatriacontane (C38)

R.T.: 19.603 min  
Delta R.T.: -0.016 min  
Response: 2013972  
Conc: 21.83 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.254 min  
Delta R.T.: -0.014 min  
Response: 2041372  
Conc: 21.70 ug/ml