

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD022120AL\  
 Data File : FD032363.D  
 Signal(s) : FID2B.CH  
 Acq On : 21 Feb 2020 11:22  
 Operator : DD\AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 52 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Sohil  
 2/24/2020 10:31:32 AM

Integration File: autoint1.e  
 Quant Time: Feb 21 21:44:31 2020  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Alaphatic EPH 020420.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Feb 05 06:50:50 2020  
 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)    | 11.520 | 2736767    | 17.960 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 35.92%        |
| 12) S 1-chlorooctadecane (S... | 12.952 | 2080819    | 17.624 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 35.25%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.321  | 2546155    | 18.817 ug/mlm |
| 2) T n-Decane (C10)            | 4.383  | 2582907    | 19.071 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.959  | 2861406    | 18.740 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.392  | 2606200    | 19.052 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.010  | 2896579    | 18.839 ug/mlm |
| 6) T n-Tetradecane (C14)       | 8.179  | 2591394    | 18.778 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.772  | 2576187    | 18.698 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.206 | 2546491    | 18.409 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.509 | 2486984    | 17.957 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.118 | 2466380    | 17.638 ug/ml  |
| 13) T n-Docosane (C22)         | 13.702 | 2426300    | 17.489 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.801 | 2377820    | 17.128 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.816 | 2332915    | 17.044 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.761 | 2289274    | 17.074 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.644 | 2212502    | 17.196 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.473 | 1893291    | 17.005 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.252 | 1600664    | 17.316 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 19.987 | 1435994    | 16.260 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.704 | 1350224    | 17.512 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.569 | 1378356    | 15.564 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : DD\AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 52 Sample Multiplier: 1

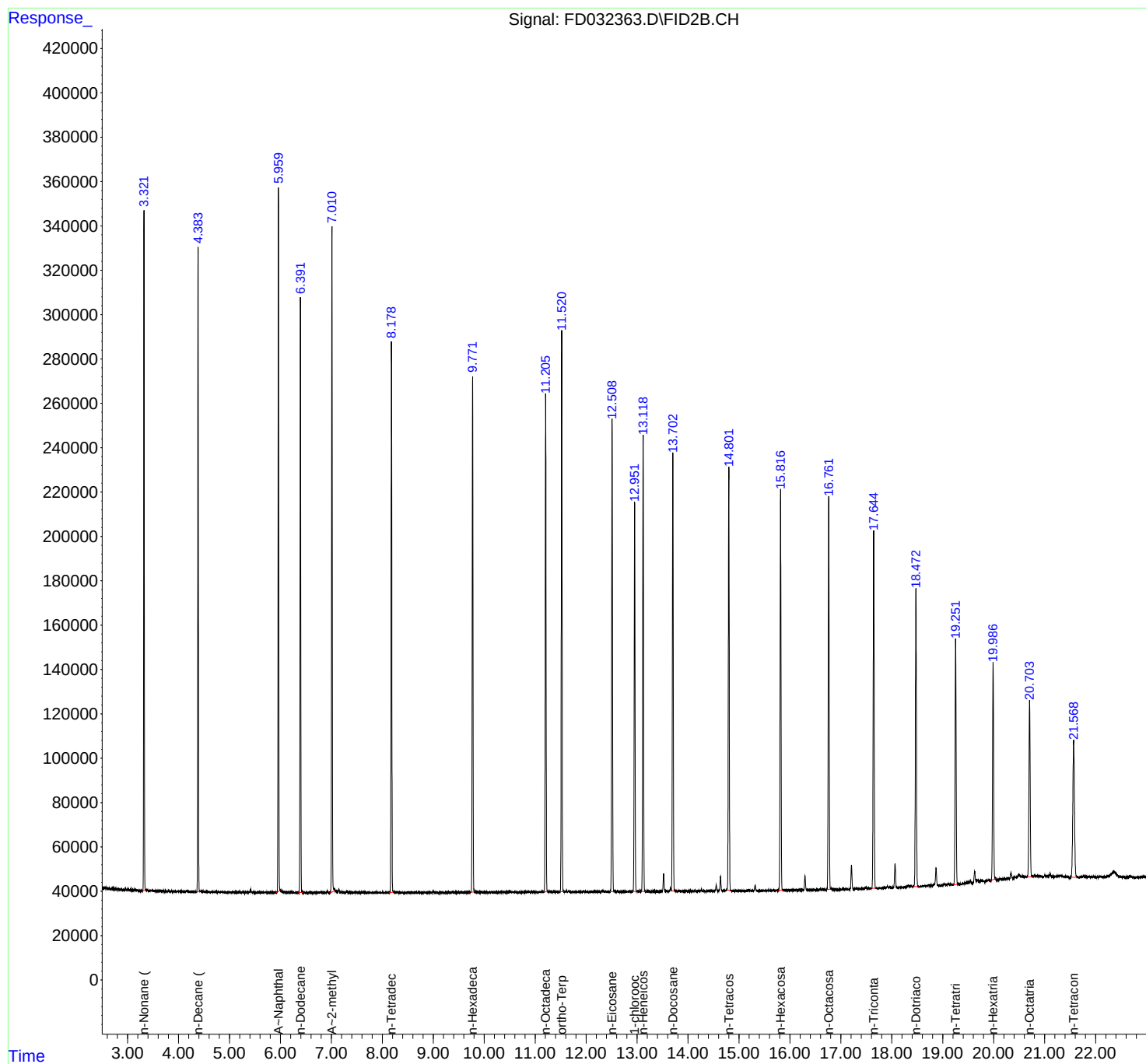
Instrument :  
FID\_D  
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20 PPM ALIPHATIC HC STD

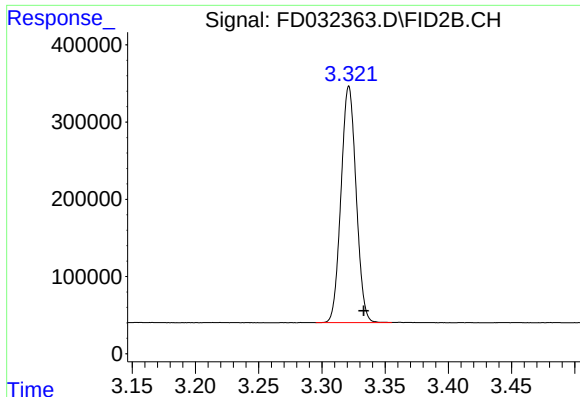
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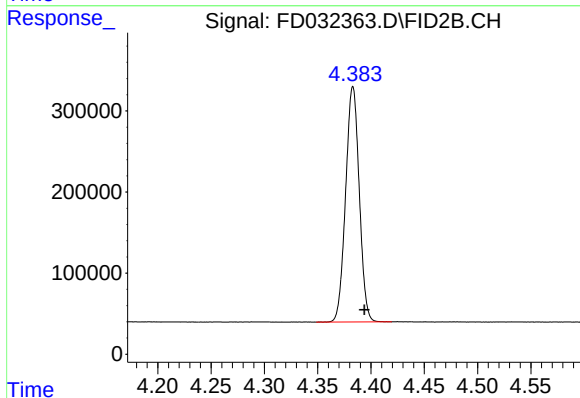
#1 n-Nonane (C9)

R.T.: 3.321 min  
Delta R.T.: -0.012 min  
Response: 2546155  
Conc: 18.82 ug/ml m

Instrument :  
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20 PPM ALIPHATIC HC STD

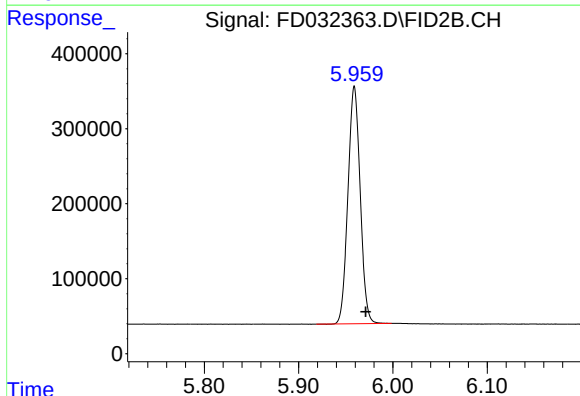
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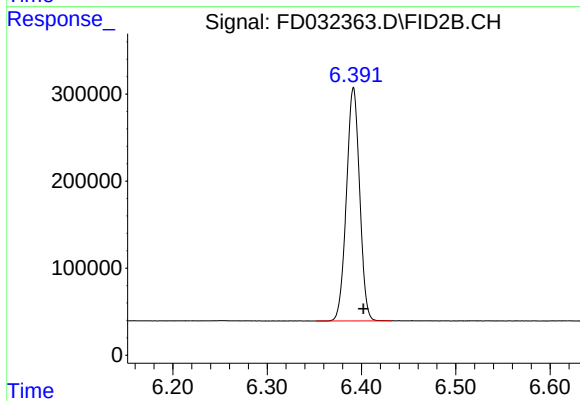
#2 n-Decane (C10)

R.T.: 4.383 min  
Delta R.T.: -0.011 min  
Response: 2582907  
Conc: 19.07 ug/ml



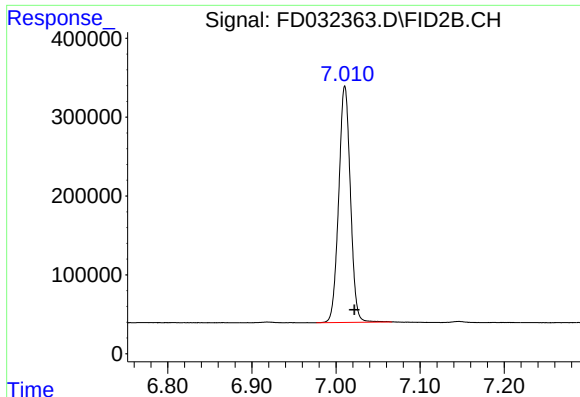
#3 A~Naphthalene (C11.7)

R.T.: 5.959 min  
Delta R.T.: -0.012 min  
Response: 2861406  
Conc: 18.74 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.392 min  
Delta R.T.: -0.010 min  
Response: 2606200  
Conc: 19.05 ug/ml



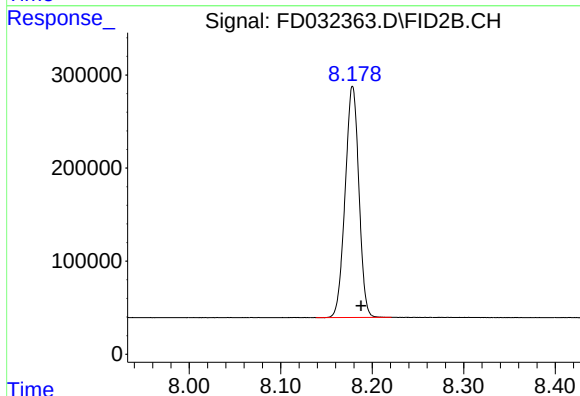
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.010 min  
Delta R.T.: -0.012 min  
Response: 2896579  
Conc: 18.84 ug/ml m

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20 PPM ALIPHATIC HC STD

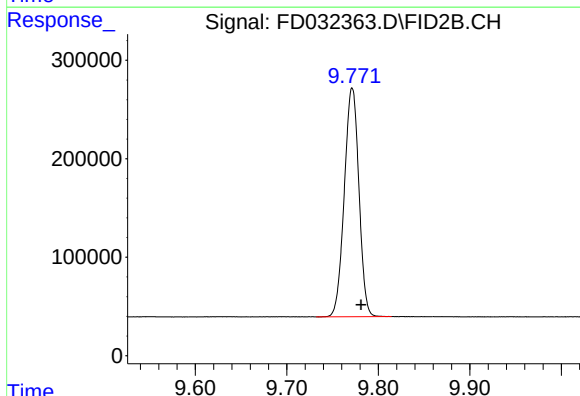
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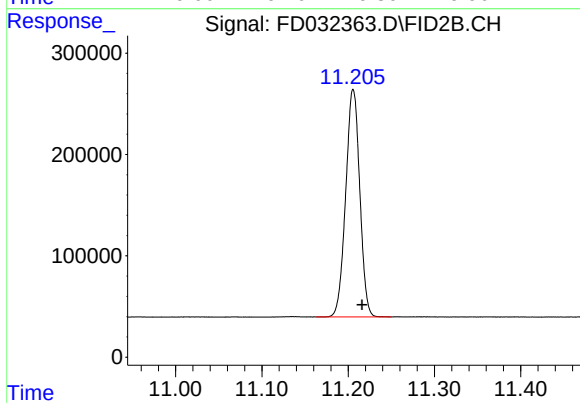
#6 n-Tetradecane (C14)

R.T.: 8.179 min  
Delta R.T.: -0.009 min  
Response: 2591394  
Conc: 18.78 ug/ml



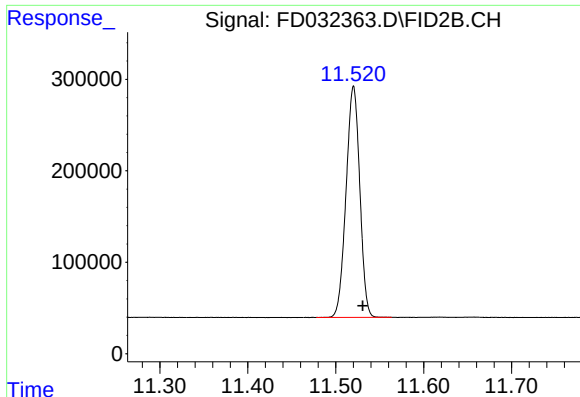
#7 n-Hexadecane (C16)

R.T.: 9.772 min  
Delta R.T.: -0.009 min  
Response: 2576187  
Conc: 18.70 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.206 min  
Delta R.T.: -0.010 min  
Response: 2546491  
Conc: 18.41 ug/ml



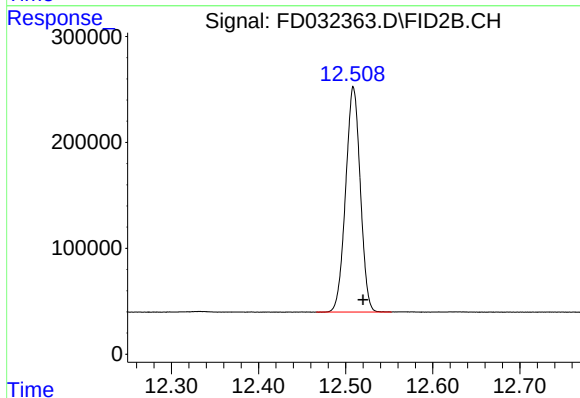
#9 ortho-Terphenyl (SURR)

R.T.: 11.520 min  
Delta R.T.: -0.010 min  
Response: 2736767  
Conc: 17.96 ug/ml

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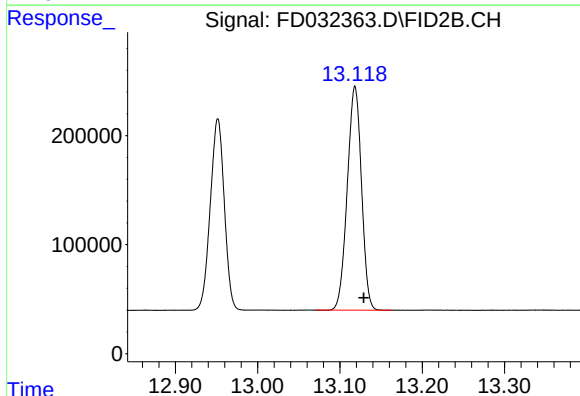
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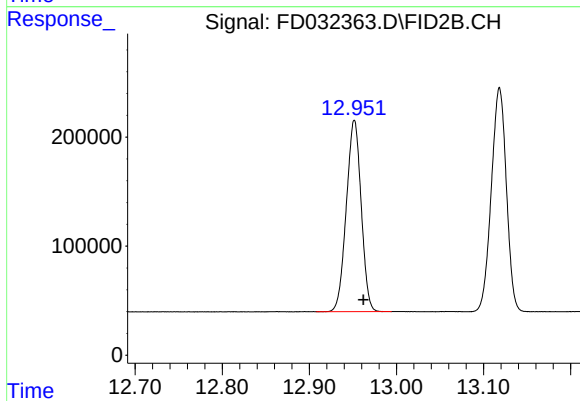
#10 n-Eicosane (C20)

R.T.: 12.509 min  
Delta R.T.: -0.011 min  
Response: 2486984  
Conc: 17.96 ug/ml



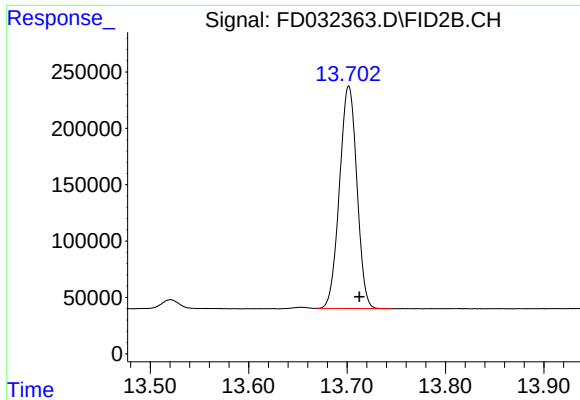
#11 n-Heneicosane (C21)

R.T.: 13.118 min  
Delta R.T.: -0.011 min  
Response: 2466380  
Conc: 17.64 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.952 min  
Delta R.T.: -0.010 min  
Response: 2080819  
Conc: 17.62 ug/ml



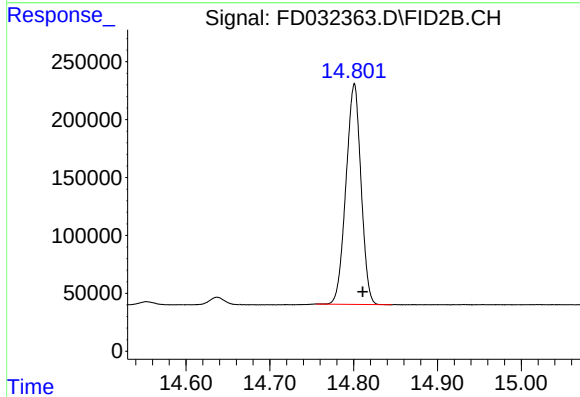
#13 n-Docosane (C22)

R.T.: 13.702 min  
Delta R.T.: -0.011 min  
Response: 2426300  
Conc: 17.49 ug/ml

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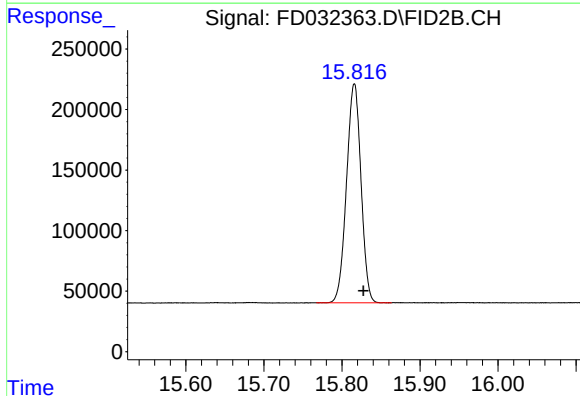
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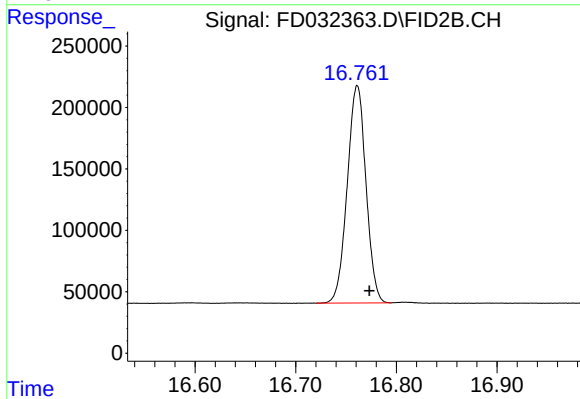
#14 n-Tetracosane (C24)

R.T.: 14.801 min  
Delta R.T.: -0.010 min  
Response: 2377820  
Conc: 17.13 ug/ml



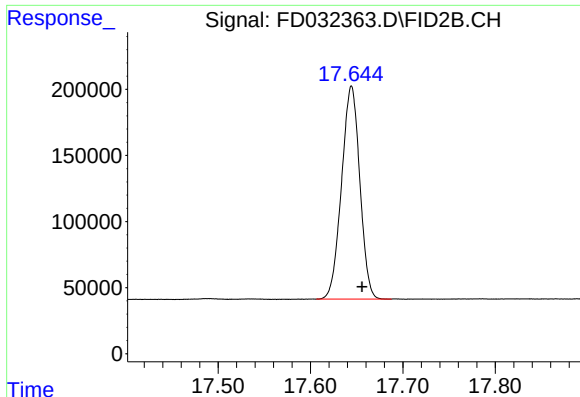
#15 n-Hexacosane (C26)

R.T.: 15.816 min  
Delta R.T.: -0.012 min  
Response: 2332915  
Conc: 17.04 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.761 min  
Delta R.T.: -0.012 min  
Response: 2289274  
Conc: 17.07 ug/ml



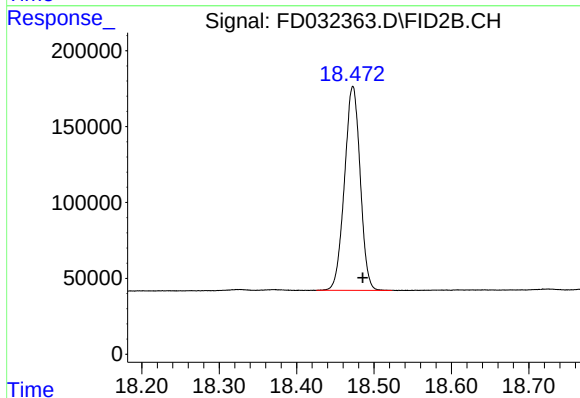
#17 n-Tricontane (C30)

R.T.: 17.644 min  
Delta R.T.: -0.012 min  
Response: 2212502  
Conc: 17.20 ug/ml

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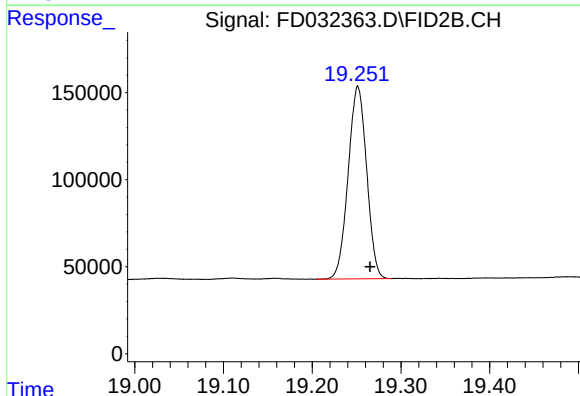
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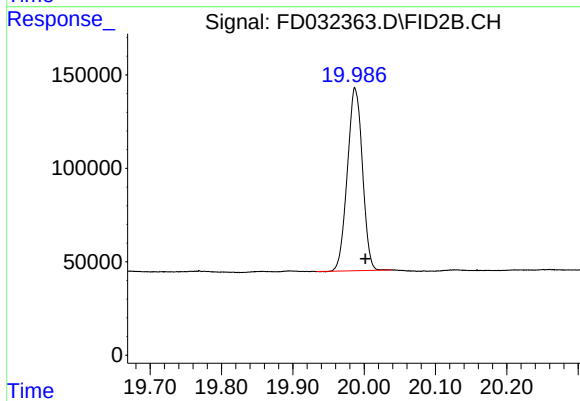
#18 n-Dotriacontane (C32)

R.T.: 18.473 min  
Delta R.T.: -0.013 min  
Response: 1893291  
Conc: 17.00 ug/ml



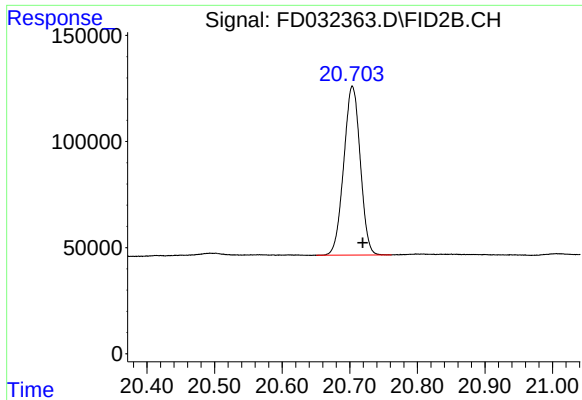
#19 n-Tetratriacontane (C34)

R.T.: 19.252 min  
Delta R.T.: -0.014 min  
Response: 1600664  
Conc: 17.32 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.987 min  
Delta R.T.: -0.015 min  
Response: 1435994  
Conc: 16.26 ug/ml



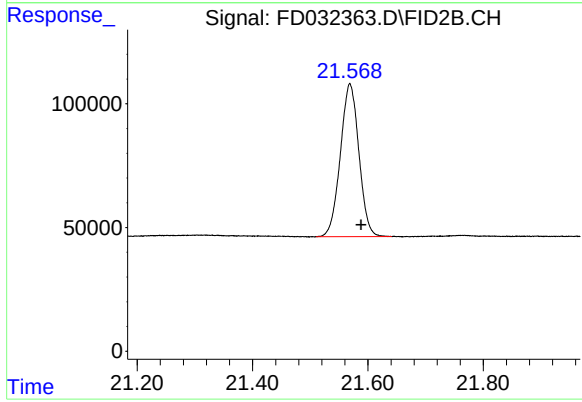
#21 n-Octatriacontane (C38)

R.T.: 20.704 min  
Delta R.T.: -0.015 min  
Response: 1350224  
Conc: 17.51 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.569 min  
Delta R.T.: -0.019 min  
Response: 1378356  
Conc: 15.56 ug/ml