

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD052122AL\  
 Data File : FD042578.D  
 Signal(s) : FID2B.CH  
 Acq On : 20 May 2022 16:31  
 Operator : UA/NP  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 53 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 05/21/2022  
 Supervised By :Ankita Jodhani 05/23/2022

Integration File: autoint1.e  
 Quant Time: May 20 23:34:14 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aliphatic EPH 051922.M  
 Quant Title : GC Extractables  
 QLast Update : Thu May 19 05:18:51 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)    | 11.199 | 2941239    | 17.552 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 35.10%        |
| 12) S 1-chlorooctadecane (S... | 12.637 | 2275279    | 17.646 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 35.29%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.076  | 2580450    | 16.992 ug/ml  |
| 2) T n-Decane (C10)            | 4.119  | 2581848    | 17.161 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.670  | 2625879    | 17.047 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.112  | 2696037    | 17.158 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.716  | 2661795    | 17.298 ug/ml  |
| 6) T n-Tetradecane (C14)       | 7.886  | 2730132    | 17.326 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.472  | 2755988    | 17.449 ug/ml  |
| 8) T n-Octadecane (C18)        | 10.901 | 2786514    | 17.667 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.200 | 2747559    | 17.837 ug/ml  |
| 11) T n-Heneicosane (C21)      | 12.807 | 2695234    | 17.627 ug/ml  |
| 13) T n-Docosane (C22)         | 13.388 | 2801085    | 18.706 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.483 | 2882714    | 19.985 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.497 | 2915583    | 20.819 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.440 | 3030939    | 22.234 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.323 | 3059163    | 22.978 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.149 | 2862117    | 22.493 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 18.928 | 2559899    | 21.210 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 19.665 | 2268230    | 20.028 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.361 | 2077121    | 19.235 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.130 | 1912072    | 17.924 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : UA/NP  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 53 Sample Multiplier: 1

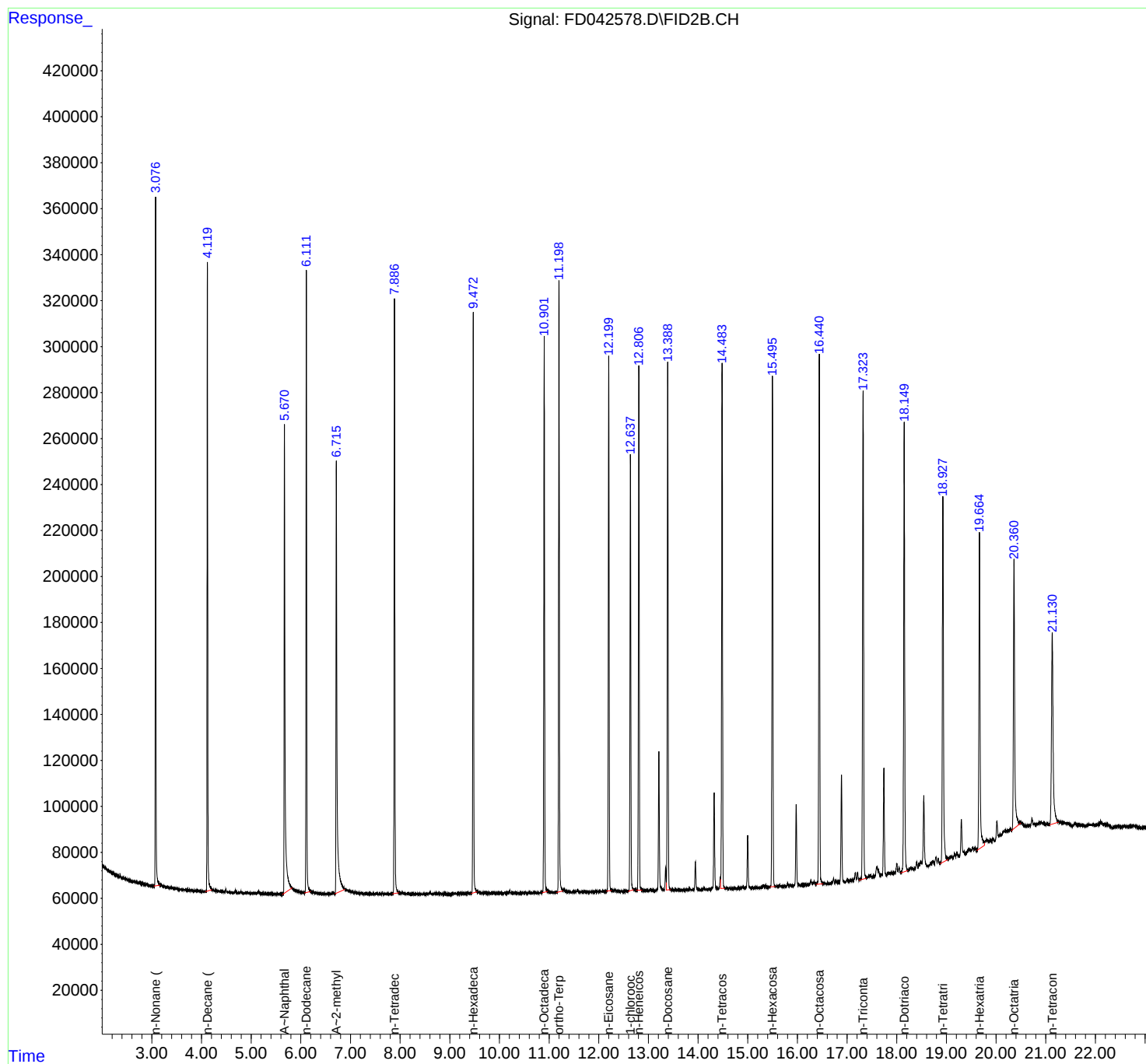
Instrument :  
FID\_D  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

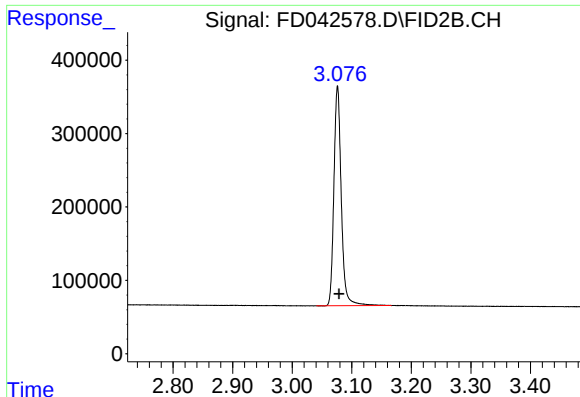
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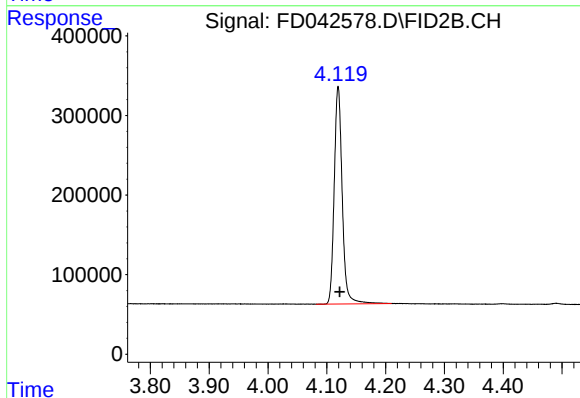
#1 n-Nonane (C9)

R.T.: 3.076 min  
Delta R.T.: -0.003 min  
Response: 2580450  
Conc: 16.99 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

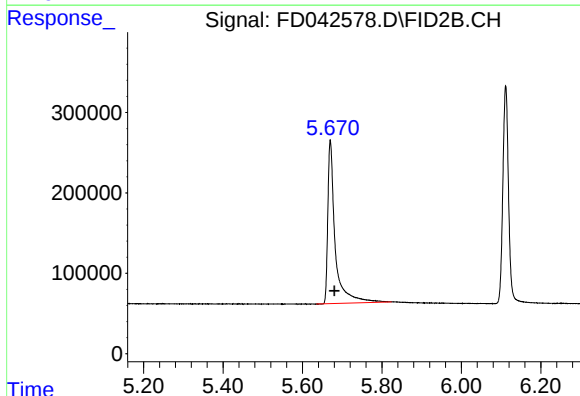
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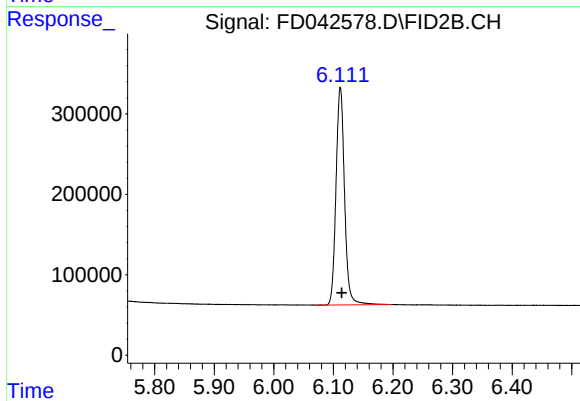
#2 n-Decane (C10)

R.T.: 4.119 min  
Delta R.T.: -0.002 min  
Response: 2581848  
Conc: 17.16 ug/ml



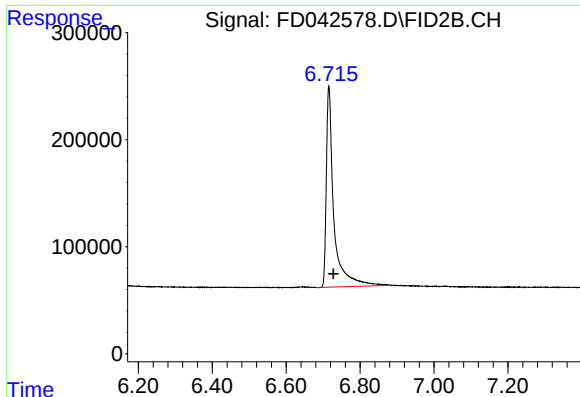
#3 A~Naphthalene (C11.7)

R.T.: 5.670 min  
Delta R.T.: -0.010 min  
Response: 2625879  
Conc: 17.05 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.112 min  
Delta R.T.: -0.003 min  
Response: 2696037  
Conc: 17.16 ug/ml



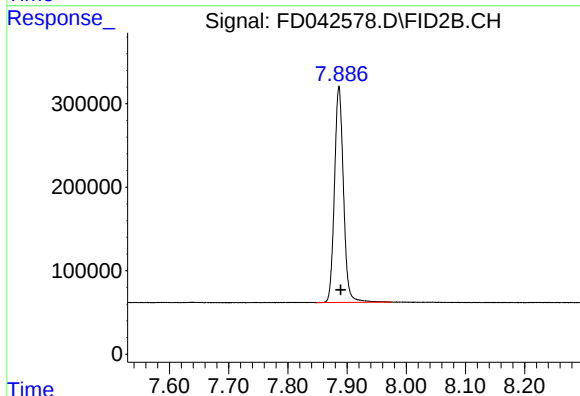
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.716 min  
Delta R.T.: -0.012 min  
Response: 2661795  
Conc: 17.30 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

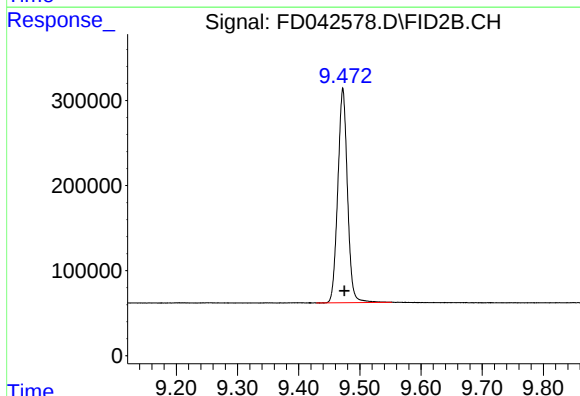
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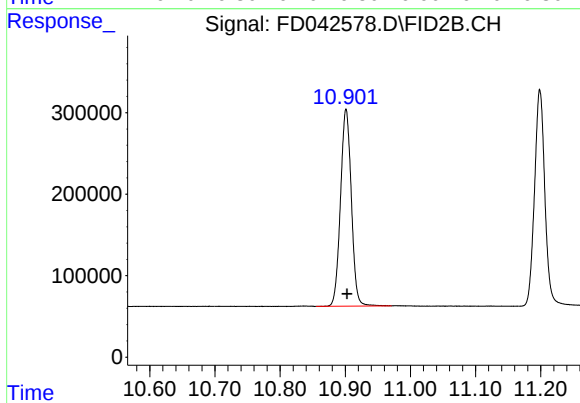
#6 n-Tetradecane (C14)

R.T.: 7.886 min  
Delta R.T.: -0.003 min  
Response: 2730132  
Conc: 17.33 ug/ml



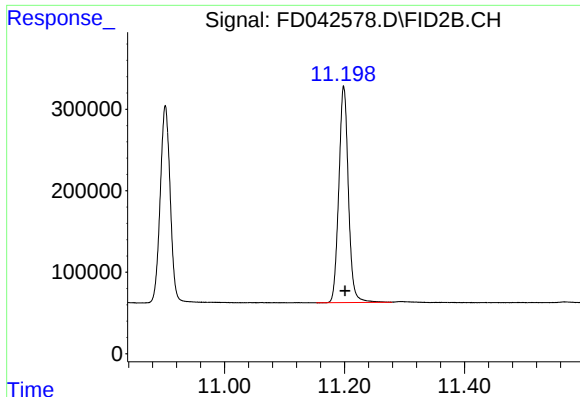
#7 n-Hexadecane (C16)

R.T.: 9.472 min  
Delta R.T.: -0.002 min  
Response: 2755988  
Conc: 17.45 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.901 min  
Delta R.T.: -0.002 min  
Response: 2786514  
Conc: 17.67 ug/ml



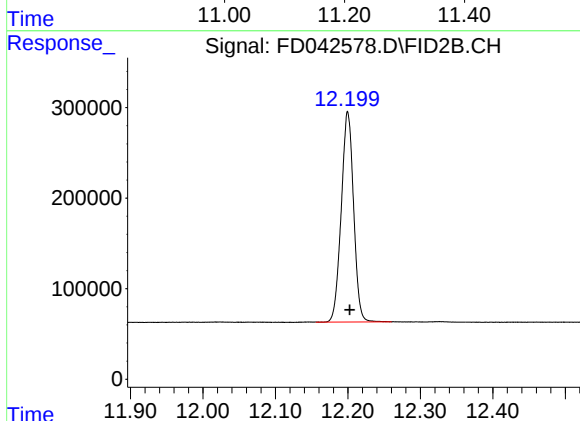
#9 ortho-Terphenyl (SURR)

R.T.: 11.199 min  
Delta R.T.: -0.002 min  
Response: 2941239  
Conc: 17.55 ug/ml

Instrument :  
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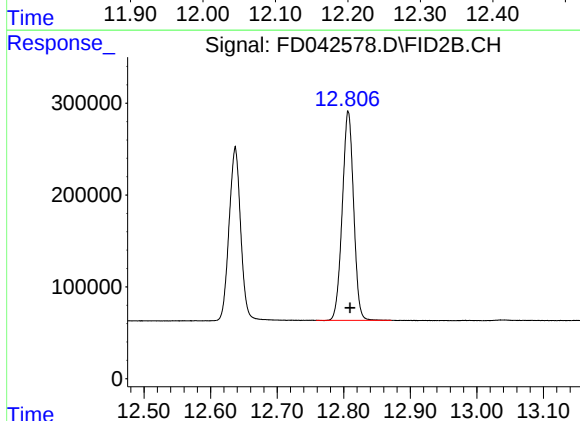
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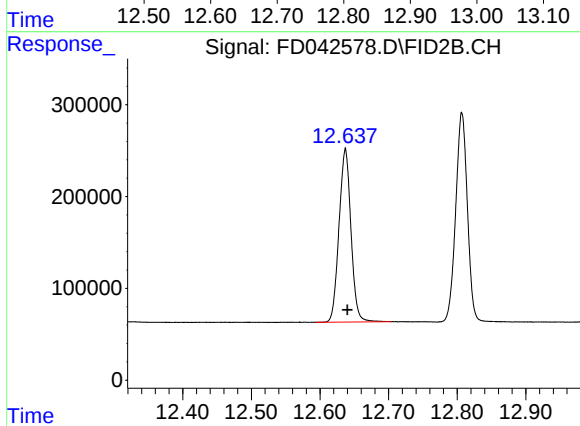
#10 n-Eicosane (C20)

R.T.: 12.200 min  
Delta R.T.: -0.003 min  
Response: 2747559  
Conc: 17.84 ug/ml



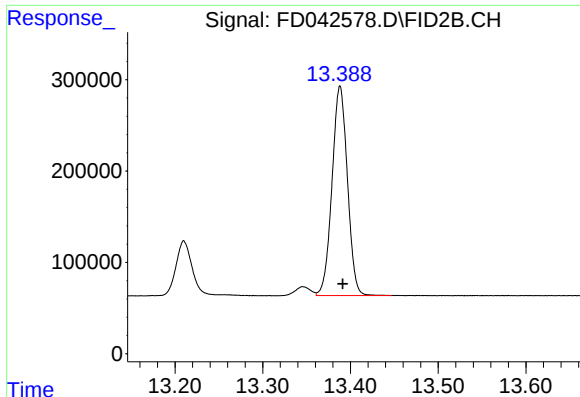
#11 n-Heneicosane (C21)

R.T.: 12.807 min  
Delta R.T.: -0.003 min  
Response: 2695234  
Conc: 17.63 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.637 min  
Delta R.T.: -0.003 min  
Response: 2275279  
Conc: 17.65 ug/ml



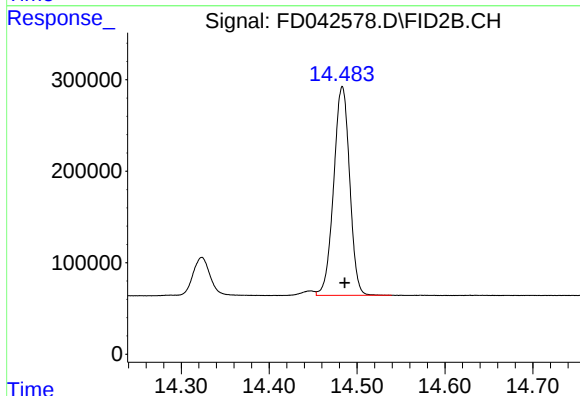
#13 n-Docosane (C22)

R.T.: 13.388 min  
Delta R.T.: -0.003 min  
Response: 2801085  
Conc: 18.71 ug/ml

Instrument :  
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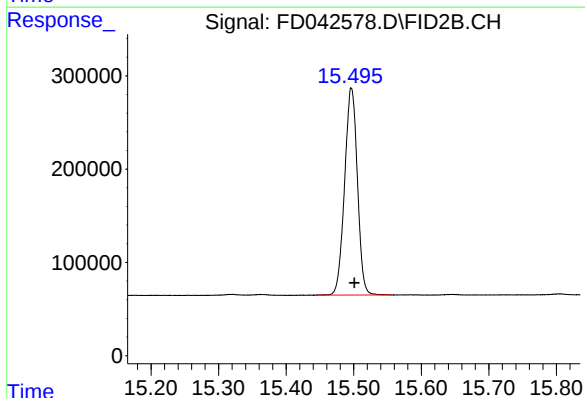
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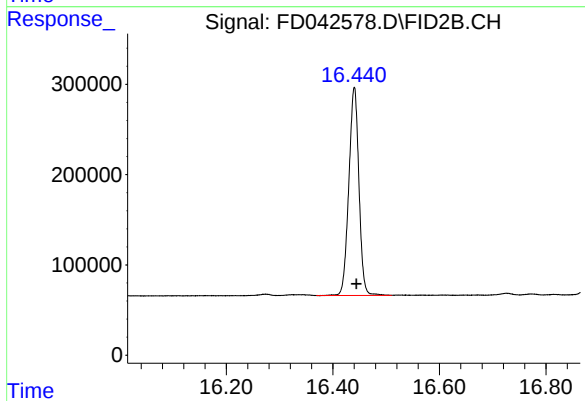
#14 n-Tetracosane (C24)

R.T.: 14.483 min  
Delta R.T.: -0.003 min  
Response: 2882714  
Conc: 19.99 ug/ml



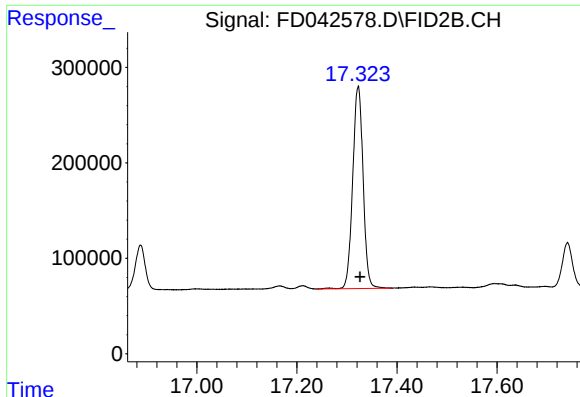
#15 n-Hexacosane (C26)

R.T.: 15.497 min  
Delta R.T.: -0.004 min  
Response: 2915583  
Conc: 20.82 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.440 min  
Delta R.T.: -0.004 min  
Response: 3030939  
Conc: 22.23 ug/ml



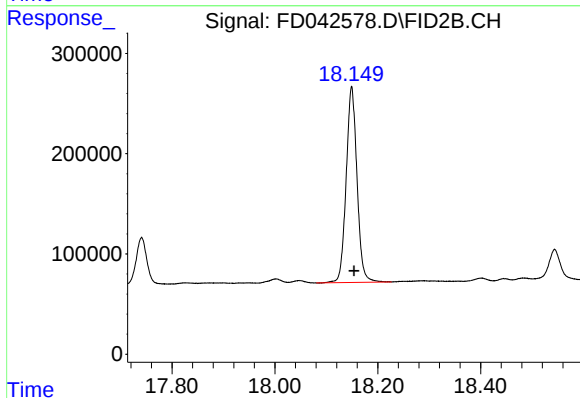
#17 n-Tricontane (C30)

R.T.: 17.323 min  
Delta R.T.: -0.004 min  
Response: 3059163  
Conc: 22.98 ug/ml

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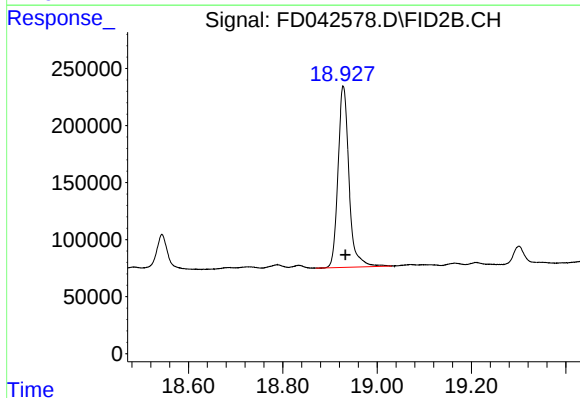
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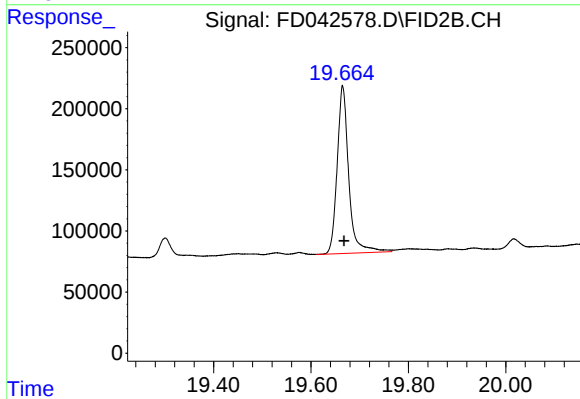
#18 n-Dotriacontane (C32)

R.T.: 18.149 min  
Delta R.T.: -0.005 min  
Response: 2862117  
Conc: 22.49 ug/ml



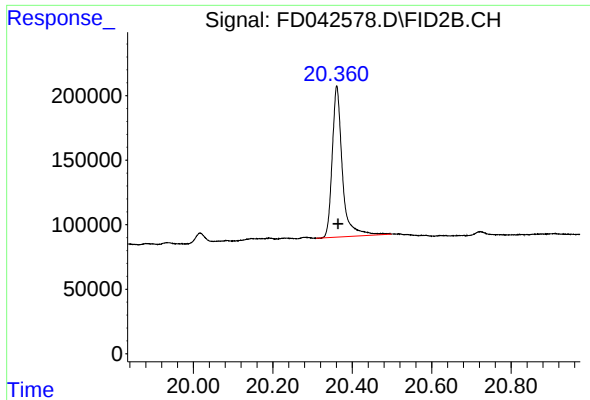
#19 n-Tetratriacontane (C34)

R.T.: 18.928 min  
Delta R.T.: -0.005 min  
Response: 2559899  
Conc: 21.21 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.665 min  
Delta R.T.: -0.003 min  
Response: 2268230  
Conc: 20.03 ug/ml



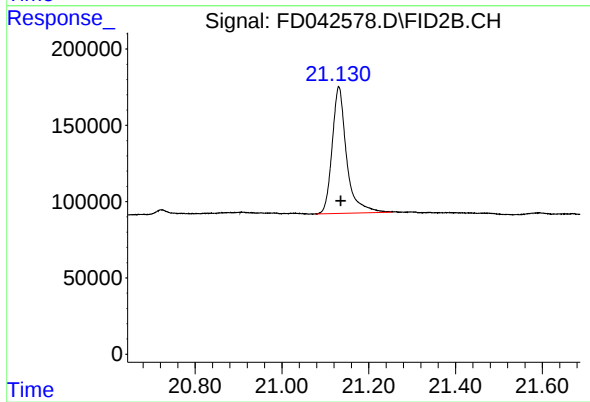
#21 n-Octatriacontane (C38)

R.T.: 20.361 min  
Delta R.T.: -0.004 min  
Response: 2077121  
Conc: 19.23 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.130 min  
Delta R.T.: -0.005 min  
Response: 1912072  
Conc: 17.92 ug/ml m