

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD031122AL\  
 Data File : FD041527.D  
 Signal(s) : FID2B.CH  
 Acq On : 12 Mar 2022 1:26  
 Operator : UA/NP  
 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

Reviewed By :Yogesh Patel 03/14/2022  
 Supervised By :Ankita Jodhani 03/14/2022

Integration File: sample.E  
 Quant Time: Mar 12 01:47:07 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aliphatic EPH 022322.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Feb 24 01:21:33 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)    | 11.243 | 3481991    | 20.074 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 40.15%        |
| 12) S 1-chlorooctadecane (S... | 12.683 | 2696986    | 19.921 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 39.84%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.104  | 3119225    | 21.421 ug/ml  |
| 2) T n-Decane (C10)            | 4.150  | 3106034    | 21.511 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.702  | 3409100    | 21.341 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.148  | 3203879    | 21.633 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.749  | 3445429    | 21.530 ug/ml  |
| 6) T n-Tetradecane (C14)       | 7.925  | 3242604    | 21.660 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.513  | 3260393    | 21.417 ug/ml  |
| 8) T n-Octadecane (C18)        | 10.945 | 3260727    | 20.979 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.245 | 3171627    | 20.430 ug/ml  |
| 11) T n-Heneicosane (C21)      | 12.854 | 3144797    | 20.084 ug/ml  |
| 13) T n-Docosane (C22)         | 13.436 | 3117354    | 19.905 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.533 | 3061324    | 19.517 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.549 | 2948360    | 19.190 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.492 | 2891095    | 19.426 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.376 | 2853140    | 20.278 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.204 | 2697369    | 21.201 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 18.984 | 2521410    | 22.138 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 19.722 | 2364933    | 23.074 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.419 | 2249403    | 23.692 ug/mlm |
| 22) T n-Tetracontane (C40)     | 21.208 | 2209591    | 23.315 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Misc :  
ALS Vial : 52 Sample Multiplier: 1

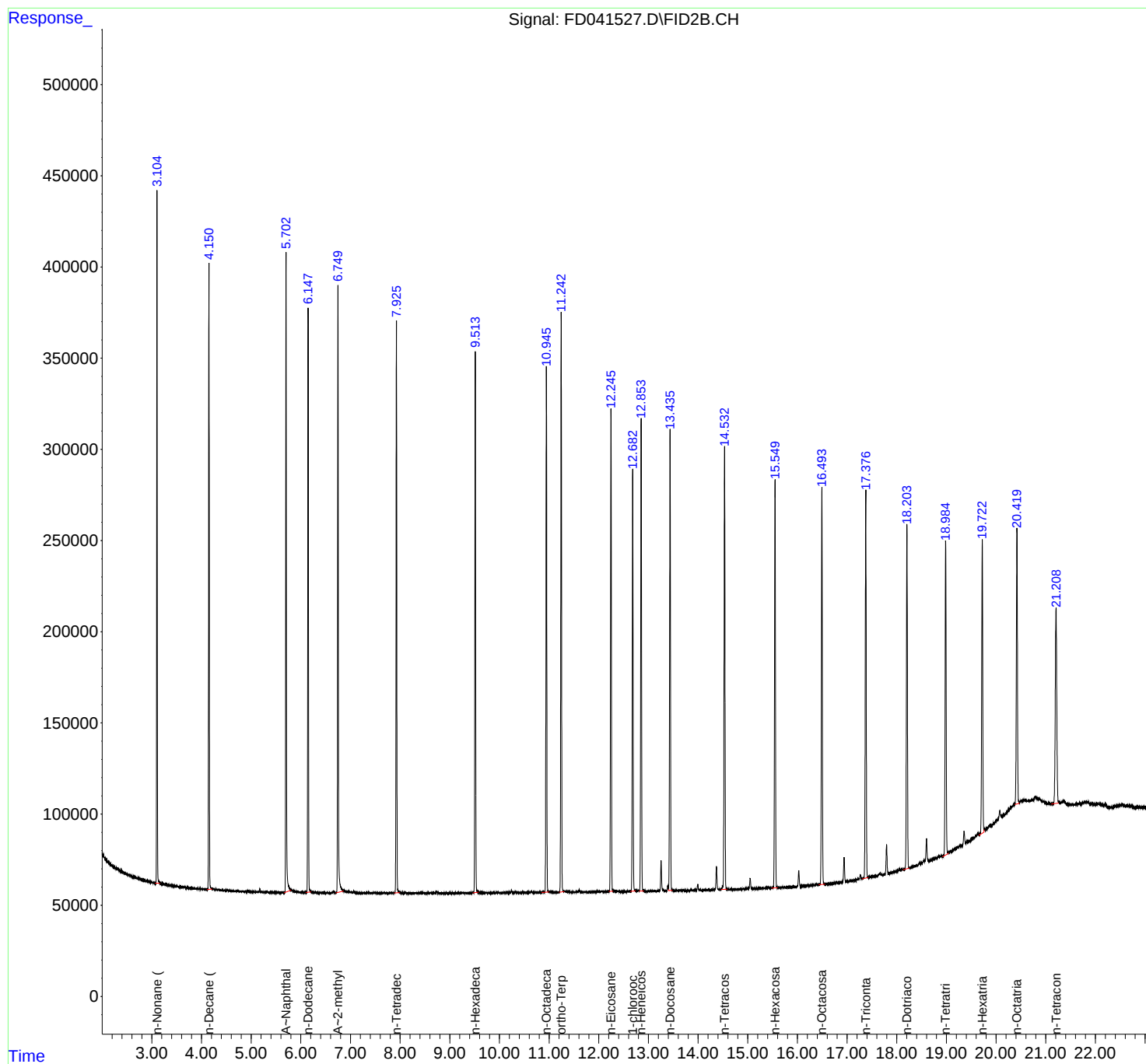
Instrument :  
FID\_D  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

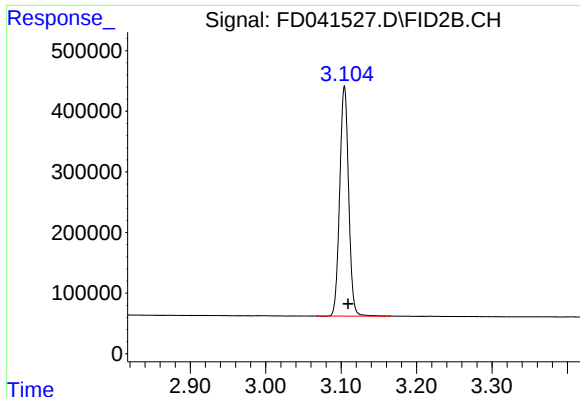
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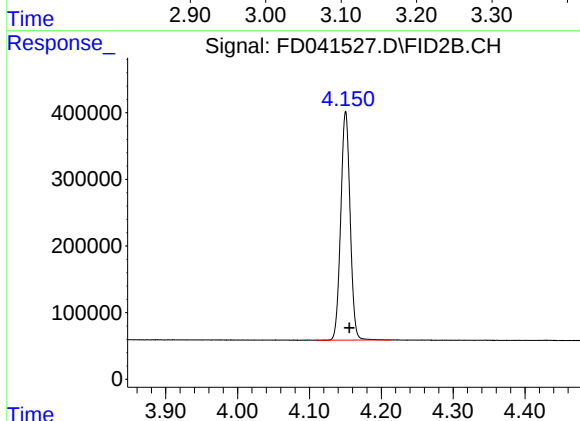
#1 n-Nonane (C9)

R.T.: 3.104 min  
Delta R.T.: -0.005 min  
Response: 3119225  
Conc: 21.42 ug/ml

Instrument :  
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ClientSampleId :  
20 PPM ALIPHATIC HC STD

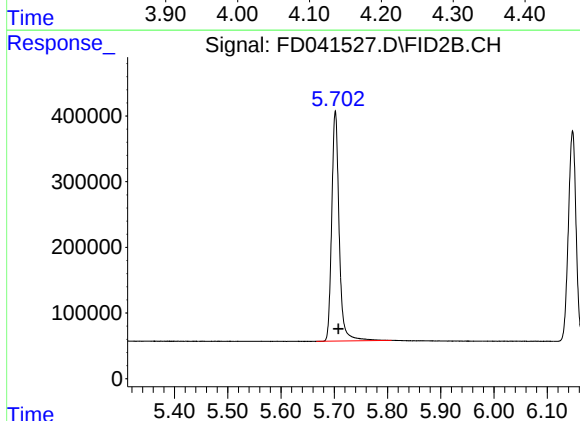
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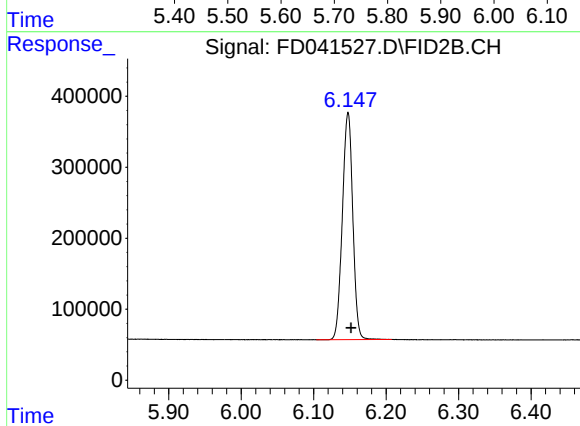
#2 n-Decane (C10)

R.T.: 4.150 min  
Delta R.T.: -0.005 min  
Response: 3106034  
Conc: 21.51 ug/ml



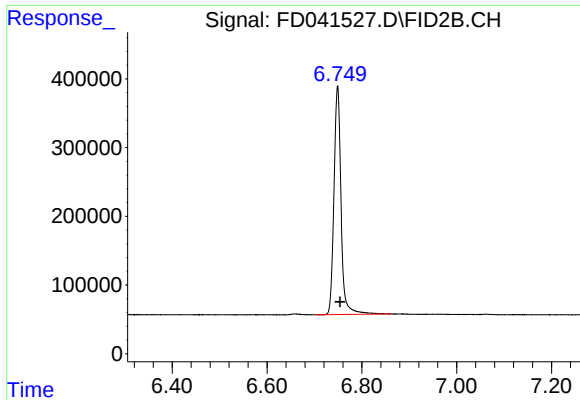
#3 A~Naphthalene (C11.7)

R.T.: 5.702 min  
Delta R.T.: -0.006 min  
Response: 3409100  
Conc: 21.34 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.148 min  
Delta R.T.: -0.004 min  
Response: 3203879  
Conc: 21.63 ug/ml



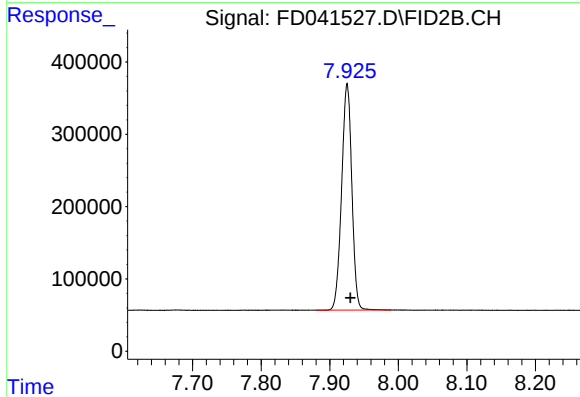
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.749 min  
Delta R.T.: -0.005 min  
Response: 3445429  
Conc: 21.53 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

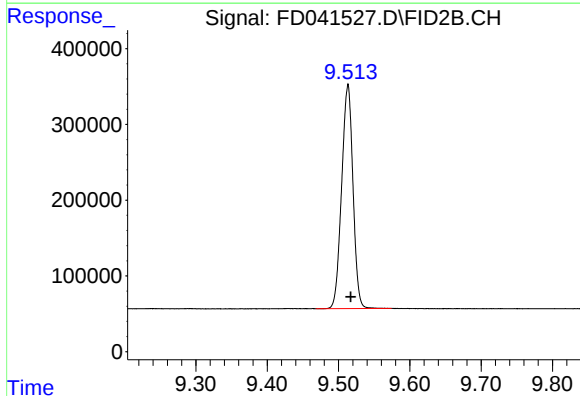
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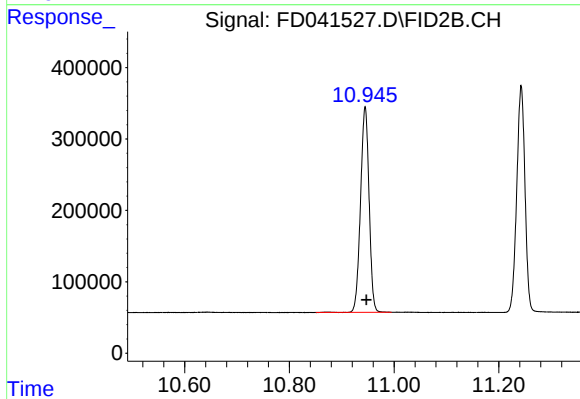
#6 n-Tetradecane (C14)

R.T.: 7.925 min  
Delta R.T.: -0.005 min  
Response: 3242604  
Conc: 21.66 ug/ml



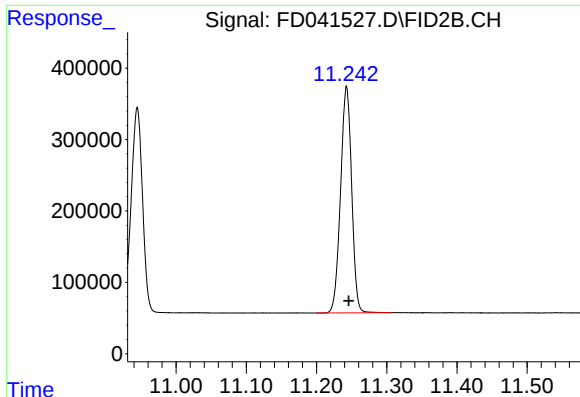
#7 n-Hexadecane (C16)

R.T.: 9.513 min  
Delta R.T.: -0.004 min  
Response: 3260393  
Conc: 21.42 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.945 min  
Delta R.T.: -0.003 min  
Response: 3260727  
Conc: 20.98 ug/ml



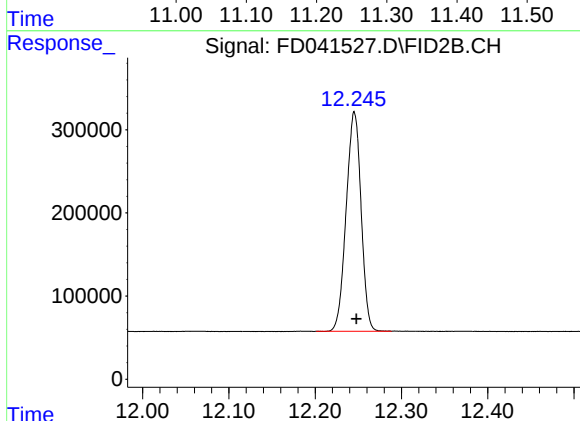
#9 ortho-Terphenyl (SURR)

R.T.: 11.243 min  
Delta R.T.: -0.003 min  
Response: 3481991  
Conc: 20.07 ug/ml

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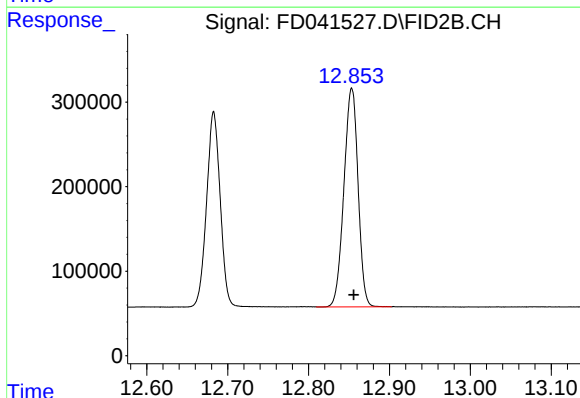
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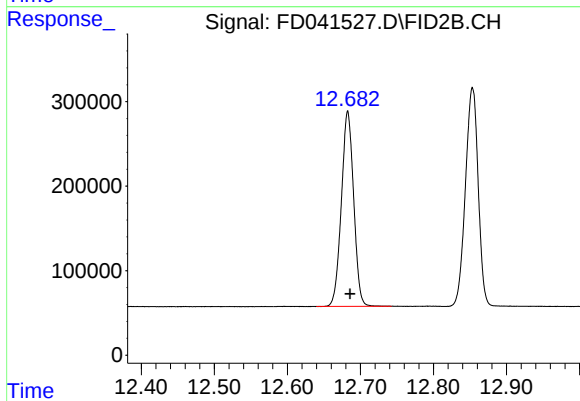
#10 n-Eicosane (C20)

R.T.: 12.245 min  
Delta R.T.: -0.002 min  
Response: 3171627  
Conc: 20.43 ug/ml



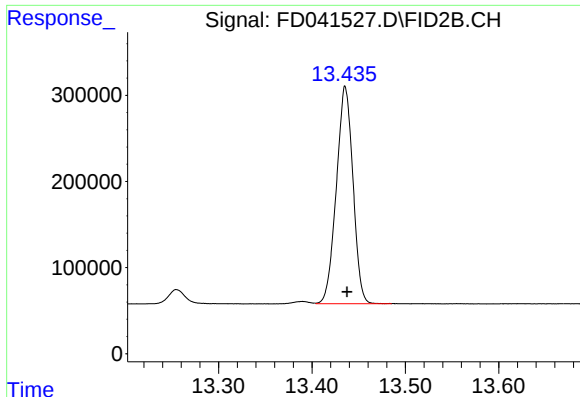
#11 n-Heneicosane (C21)

R.T.: 12.854 min  
Delta R.T.: -0.002 min  
Response: 3144797  
Conc: 20.08 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.683 min  
Delta R.T.: -0.003 min  
Response: 2696986  
Conc: 19.92 ug/ml



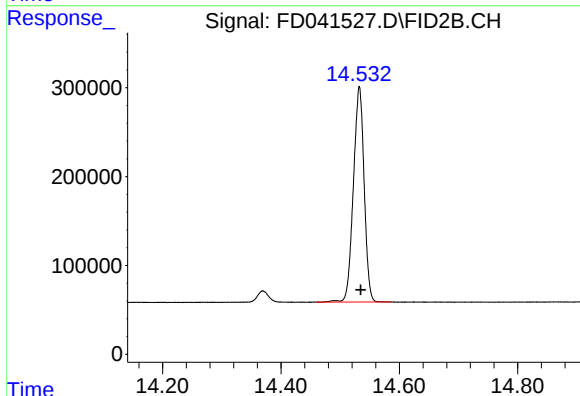
#13 n-Docosane (C22)

R.T.: 13.436 min  
Delta R.T.: -0.002 min  
Response: 3117354  
Conc: 19.91 ug/ml

Instrument :  
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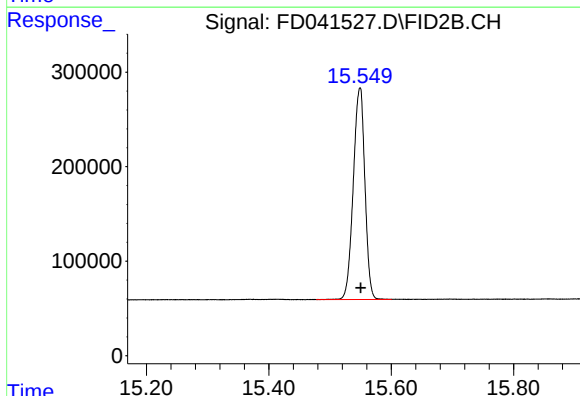
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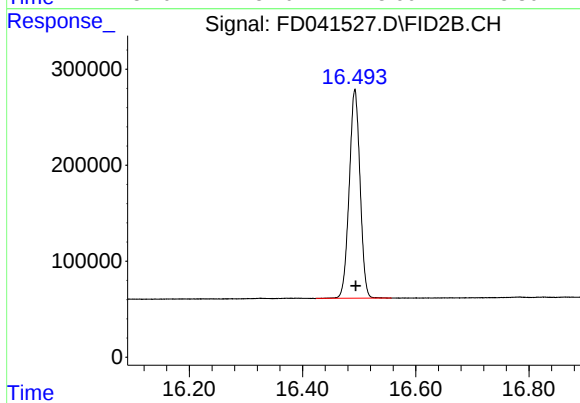
#14 n-Tetracosane (C24)

R.T.: 14.533 min  
Delta R.T.: -0.002 min  
Response: 3061324  
Conc: 19.52 ug/ml



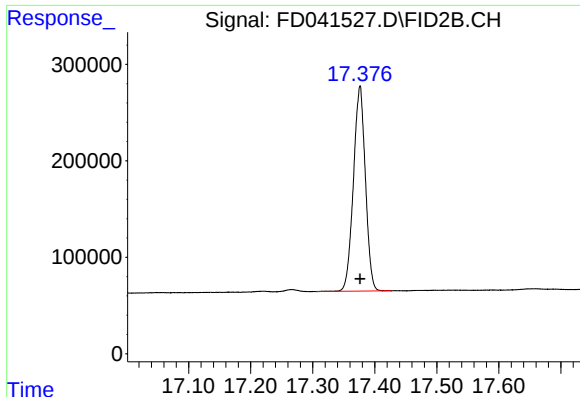
#15 n-Hexacosane (C26)

R.T.: 15.549 min  
Delta R.T.: 0.000 min  
Response: 2948360  
Conc: 19.19 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.492 min  
Delta R.T.: -0.002 min  
Response: 2891095  
Conc: 19.43 ug/ml



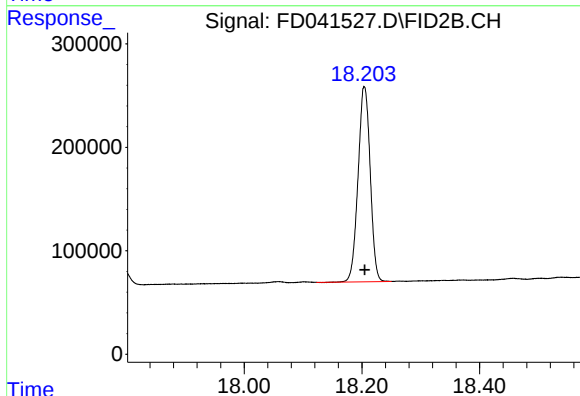
#17 n-Tricontane (C30)

R.T.: 17.376 min  
Delta R.T.: 0.000 min  
Response: 2853140  
Conc: 20.28 ug/ml

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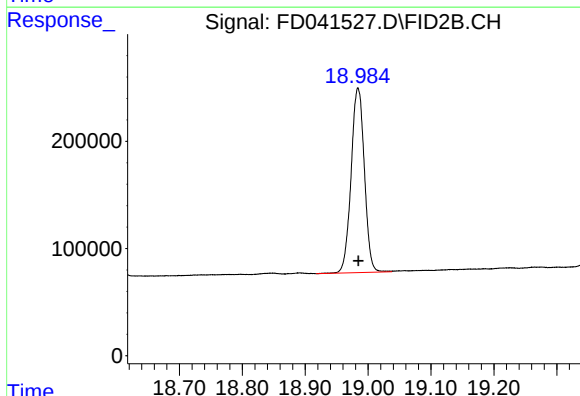
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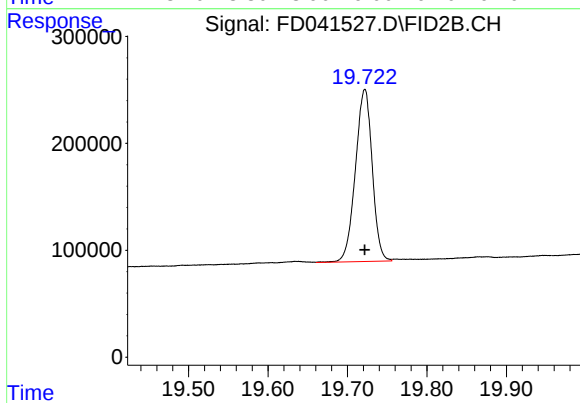
#18 n-Dotriacontane (C32)

R.T.: 18.204 min  
Delta R.T.: 0.000 min  
Response: 2697369  
Conc: 21.20 ug/ml



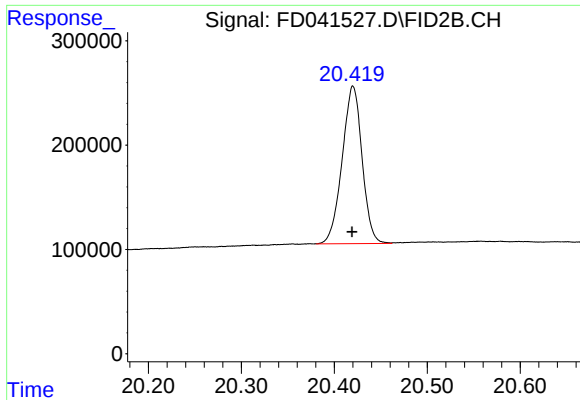
#19 n-Tetratriacontane (C34)

R.T.: 18.984 min  
Delta R.T.: 0.000 min  
Response: 2521410  
Conc: 22.14 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.722 min  
Delta R.T.: 0.000 min  
Response: 2364933  
Conc: 23.07 ug/ml



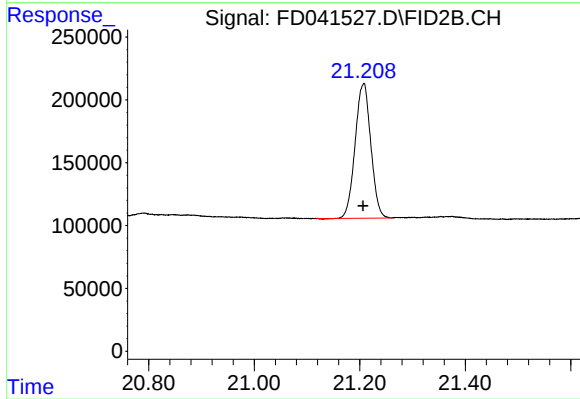
#21 n-Octatriacontane (C38)

R.T.: 20.419 min  
Delta R.T.: 0.000 min  
Response: 2249403  
Conc: 23.69 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.208 min  
Delta R.T.: 0.001 min  
Response: 2209591  
Conc: 23.31 ug/ml