

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD091521AL\  
 Data File : FD038813.D  
 Signal(s) : FID2B.CH  
 Acq On : 15 Sep 2021 16:41  
 Operator : AJ\MA  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 52 Sample Multiplier: 1

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

Manual Integrations  
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Integration File: sample.E  
 Quant Time: Sep 16 01:41:59 2021  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aliphatic EPH 083021.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Aug 31 06:05:30 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)    | 11.683 | 2812987    | 19.138 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 38.28%        |
| 12) S 1-chlorooctadecane (S... | 13.109 | 2217956    | 19.068 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 38.14%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.442  | 2616007    | 20.540 ug/ml  |
| 2) T n-Decane (C10)            | 4.511  | 2648963    | 20.451 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.103  | 2966651    | 20.372 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.527  | 2664051    | 20.281 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.158  | 2980293    | 20.150 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.320  | 2699021    | 20.025 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.918  | 2700949    | 19.754 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.357 | 2721153    | 19.471 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.664 | 2655078    | 19.256 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.274 | 2648901    | 19.059 ug/ml  |
| 13) T n-Docosane (C22)         | 13.858 | 2592852    | 19.032 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.958 | 2510121    | 18.788 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.975 | 2366240    | 18.659 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.921 | 2261673    | 18.704 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.805 | 2170841    | 18.924 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.633 | 2076838    | 19.203 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.414 | 2043458    | 19.628 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.149 | 1921673    | 19.599 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.891 | 1919836    | 20.361 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.823 | 2325766    | 24.564 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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

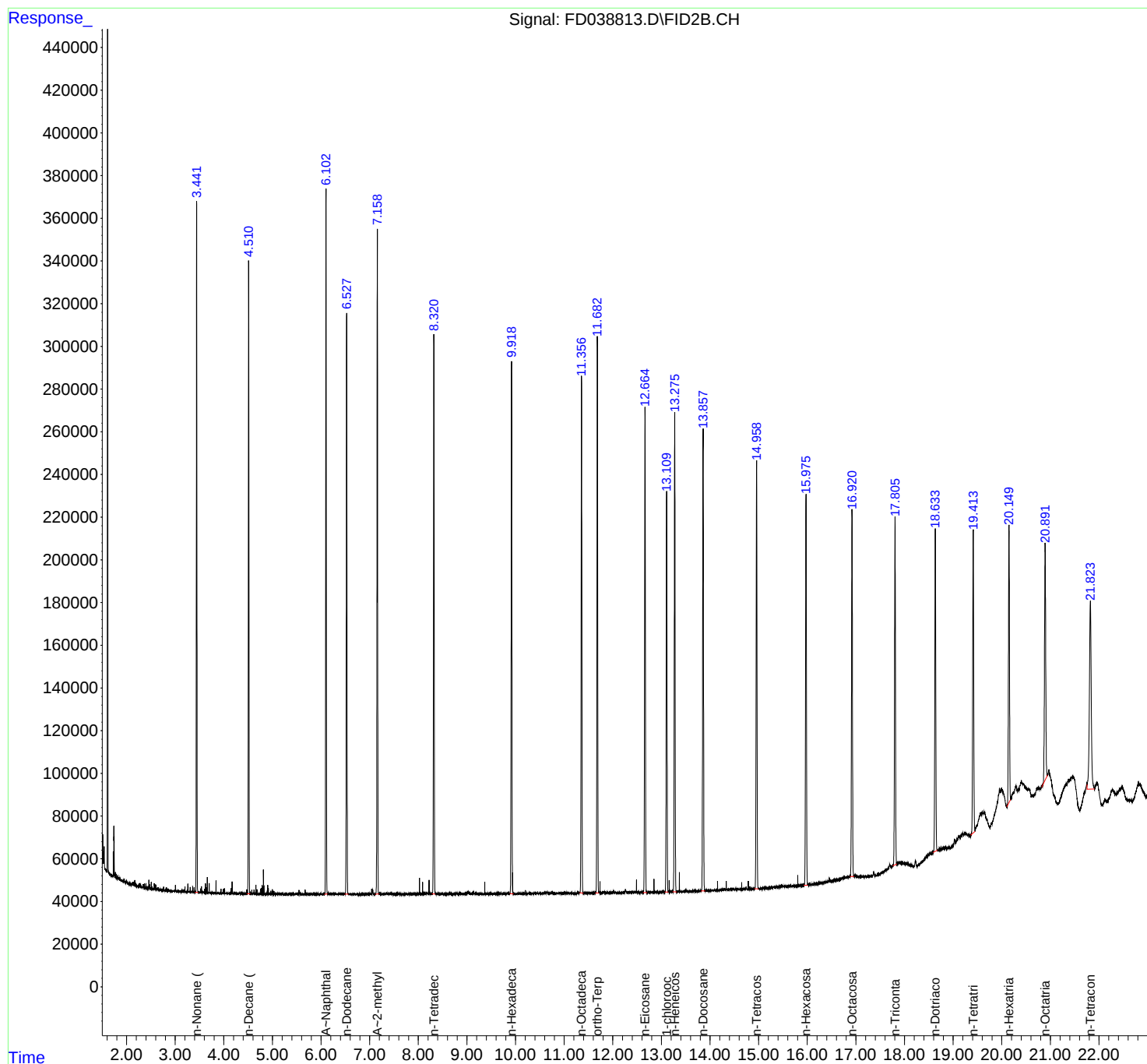
Instrument :  
FID\_D  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

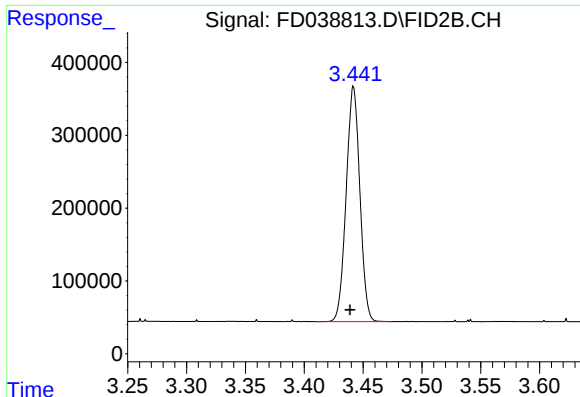
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Integration File: sample.E  
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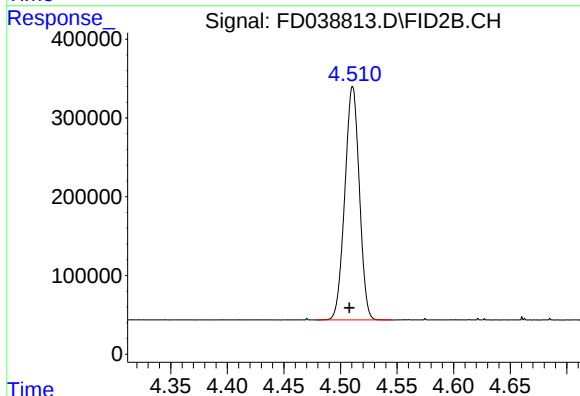
#1 n-Nonane (C9)

R.T.: 3.442 min  
Delta R.T.: 0.003 min  
Response: 2616007  
Conc: 20.54 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

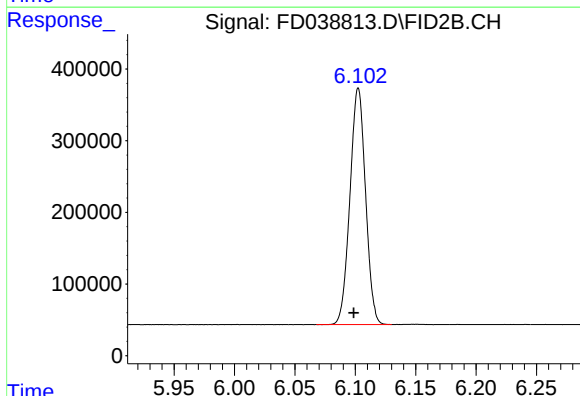
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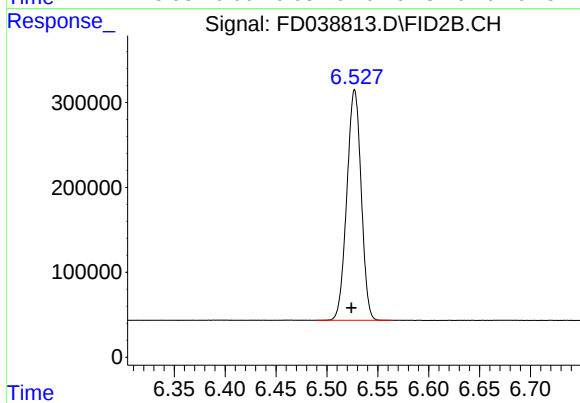
#2 n-Decane (C10)

R.T.: 4.511 min  
Delta R.T.: 0.003 min  
Response: 2648963  
Conc: 20.45 ug/ml



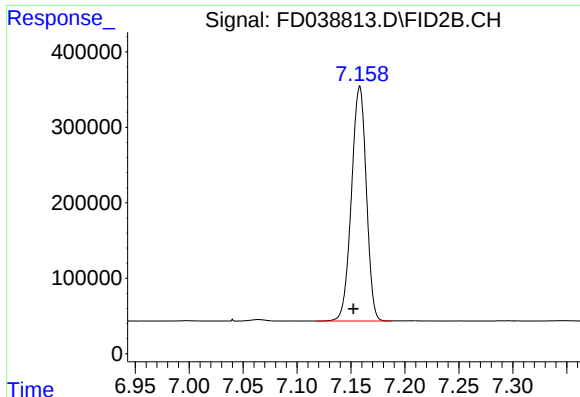
#3 A~Naphthalene (C11.7)

R.T.: 6.103 min  
Delta R.T.: 0.004 min  
Response: 2966651  
Conc: 20.37 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.527 min  
Delta R.T.: 0.003 min  
Response: 2664051  
Conc: 20.28 ug/ml



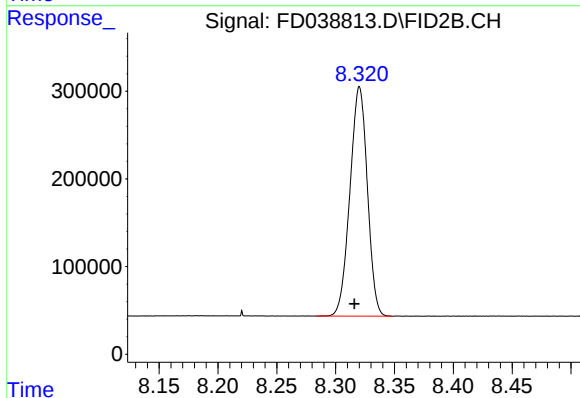
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.158 min  
Delta R.T.: 0.006 min  
Response: 2980293  
Conc: 20.15 ug/ml

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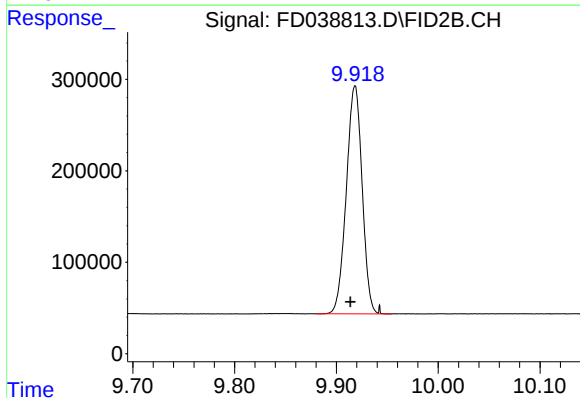
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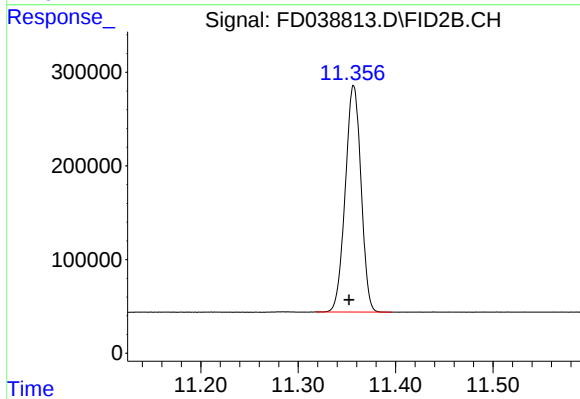
#6 n-Tetradecane (C14)

R.T.: 8.320 min  
Delta R.T.: 0.004 min  
Response: 2699021  
Conc: 20.03 ug/ml



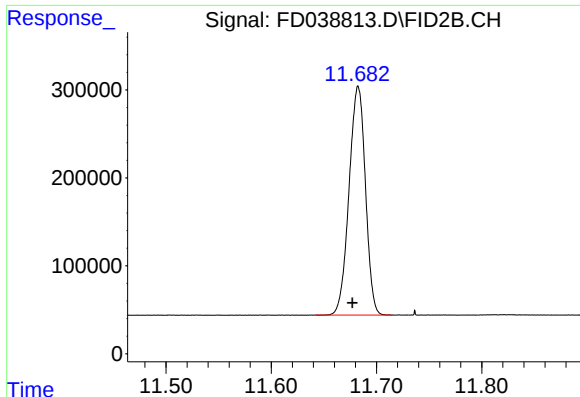
#7 n-Hexadecane (C16)

R.T.: 9.918 min  
Delta R.T.: 0.005 min  
Response: 2700949  
Conc: 19.75 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.357 min  
Delta R.T.: 0.005 min  
Response: 2721153  
Conc: 19.47 ug/ml



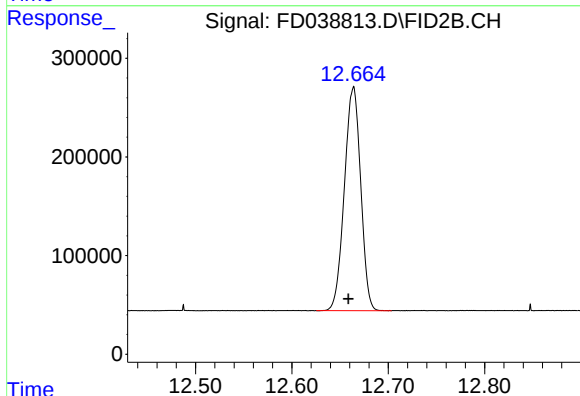
#9 ortho-Terphenyl (SURR)

R.T.: 11.683 min  
Delta R.T.: 0.005 min  
Response: 2812987  
Conc: 19.14 ug/ml

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20 PPM ALIPHATIC HC STD

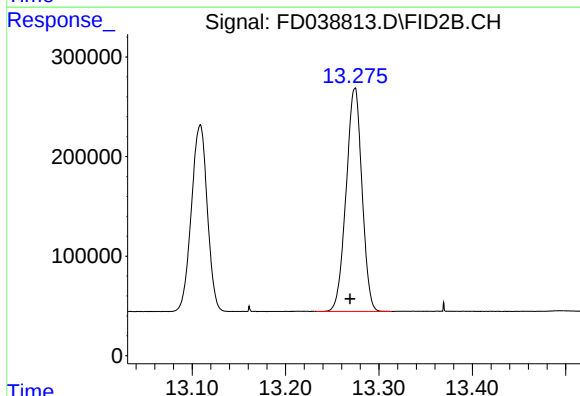
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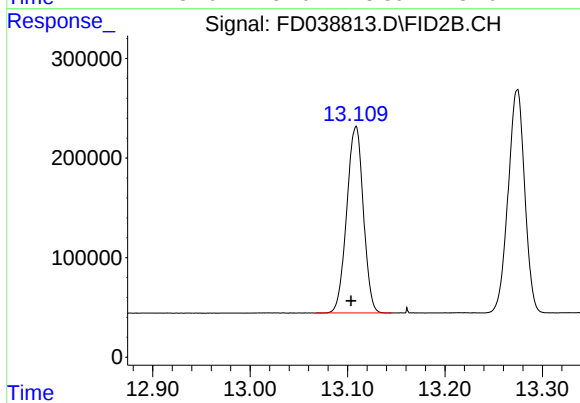
#10 n-Eicosane (C20)

R.T.: 12.664 min  
Delta R.T.: 0.005 min  
Response: 2655078  
Conc: 19.26 ug/ml



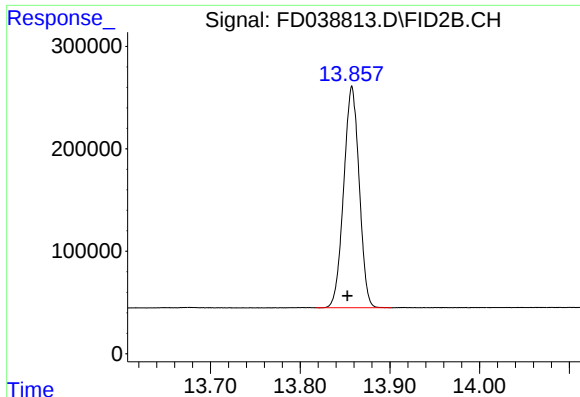
#11 n-Heneicosane (C21)

R.T.: 13.274 min  
Delta R.T.: 0.005 min  
Response: 2648901  
Conc: 19.06 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.109 min  
Delta R.T.: 0.005 min  
Response: 2217956  
Conc: 19.07 ug/ml



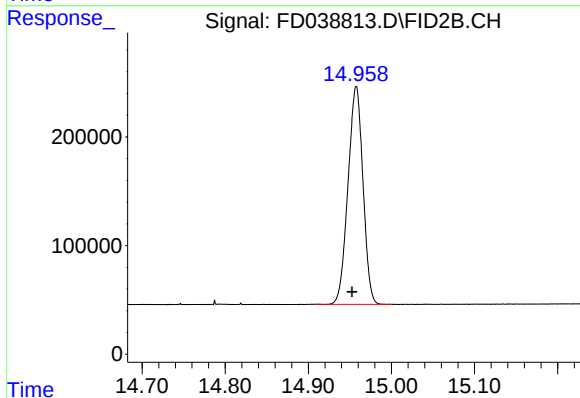
#13 n-Docosane (C22)

R.T.: 13.858 min  
Delta R.T.: 0.005 min  
Response: 2592852  
Conc: 19.03 ug/ml

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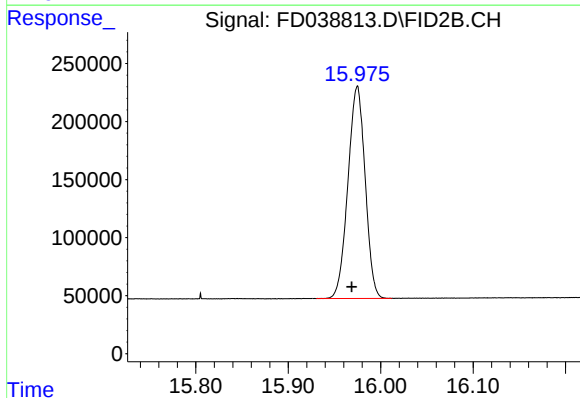
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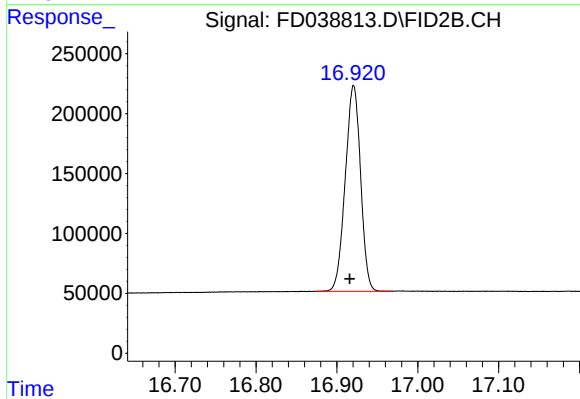
#14 n-Tetracosane (C24)

R.T.: 14.958 min  
Delta R.T.: 0.005 min  
Response: 2510121  
Conc: 18.79 ug/ml



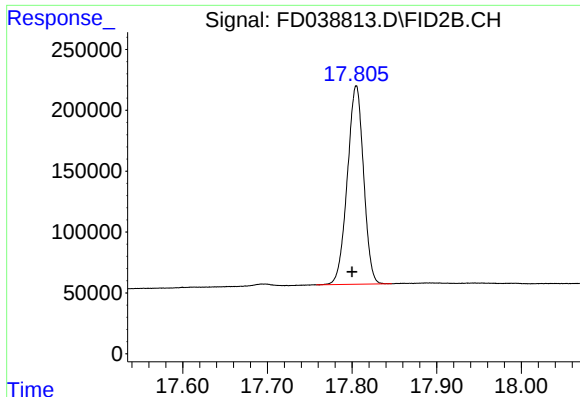
#15 n-Hexacosane (C26)

R.T.: 15.975 min  
Delta R.T.: 0.006 min  
Response: 2366240  
Conc: 18.66 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.921 min  
Delta R.T.: 0.005 min  
Response: 2261673  
Conc: 18.70 ug/ml



#17 n-Tricontane (C30)

R.T.: 17.805 min

Delta R.T.: 0.005 min

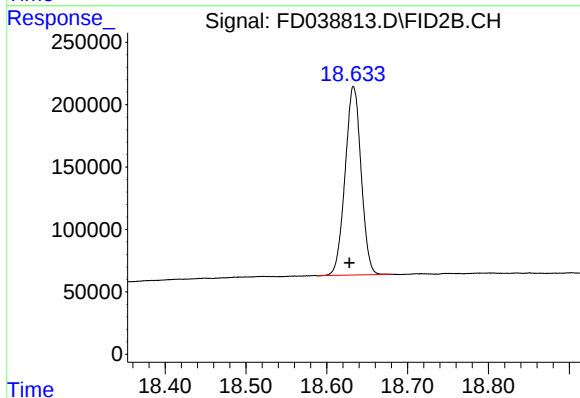
Response: 2170841

Conc: 18.92 ug/ml

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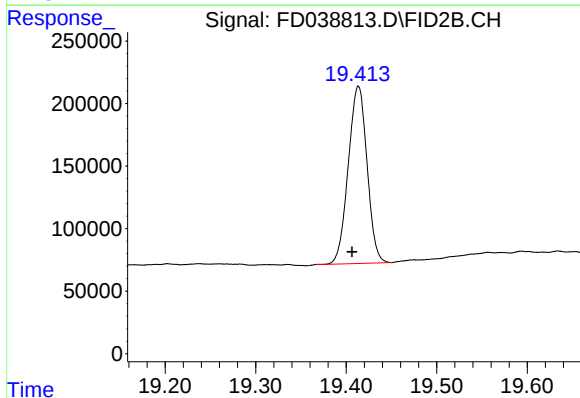
#18 n-Dotriacontane (C32)

R.T.: 18.633 min

Delta R.T.: 0.005 min

Response: 2076838

Conc: 19.20 ug/ml



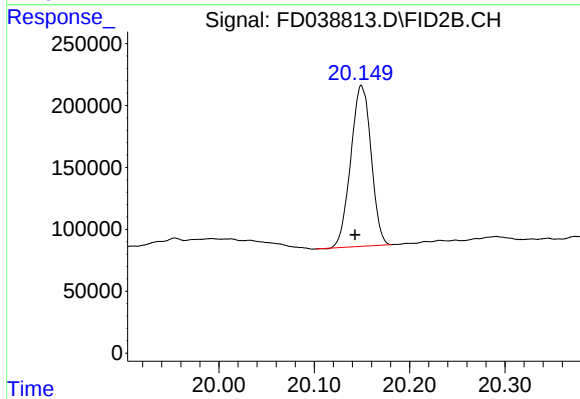
#19 n-Tetratriacontane (C34)

R.T.: 19.414 min

Delta R.T.: 0.007 min

Response: 2043458

Conc: 19.63 ug/ml



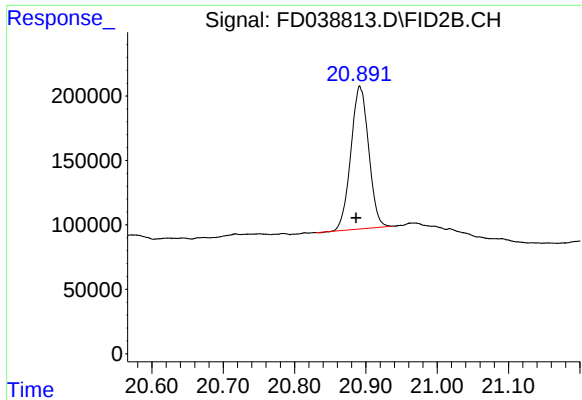
#20 n-Hexatriacontane (C36)

R.T.: 20.149 min

Delta R.T.: 0.007 min

Response: 1921673

Conc: 19.60 ug/ml



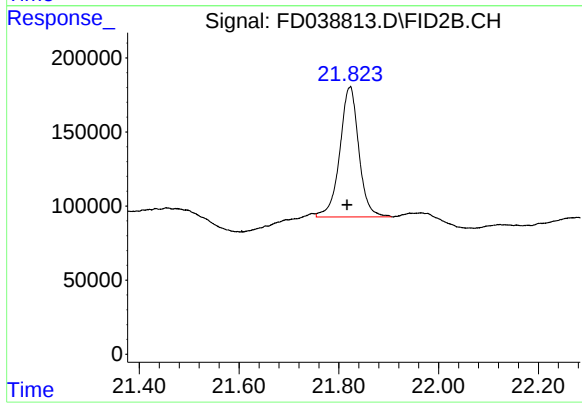
#21 n-Octatriacontane (C38)

R.T.: 20.891 min  
Delta R.T.: 0.005 min  
Response: 1919836  
Conc: 20.36 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.823 min  
Delta R.T.: 0.007 min  
Response: 2325766  
Conc: 24.56 ug/ml m