

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF050422AL\  
 Data File : FF010513.D  
 Signal(s) : FID2B.ch  
 Acq On : 04 May 2022 10:36  
 Operator : AJ\MA  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 52 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 05/05/2022  
 Supervised By :mohammad ahmed 05/06/2022

Integration File: sample.E  
 Quant Time: May 04 15:42:08 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aliphatic EPH -FF050322  
 Quant Title : GC Extractables  
 QLast Update : Tue May 03 13:18:42 2022  
 Response via : Initial Calibration  
 Integrator: ChemStation

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)    | 10.850 | 2589339    | 18.808 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 37.62%        |
| 12) S 1-chlorooctadecane (S... | 12.287 | 2061109    | 18.952 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 37.90%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 2.709  | 2268295    | 19.168 ug/ml  |
| 2) T n-Decane (C10)            | 3.716  | 2252119    | 19.178 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.274  | 2506489    | 18.905 ug/mlm |
| 4) T n-Dodecane (C12)          | 5.703  | 2294422    | 19.106 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.323  | 2528773    | 18.869 ug/ml  |
| 6) T n-Tetradecane (C14)       | 7.495  | 2307662    | 19.123 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.094  | 2337203    | 18.997 ug/ml  |
| 8) T n-Octadecane (C18)        | 10.535 | 2385613    | 19.010 ug/ml  |
| 10) T n-Eicosane (C20)         | 11.843 | 2390061    | 19.053 ug/ml  |
| 11) T n-Heneicosane (C21)      | 12.455 | 2390136    | 18.987 ug/ml  |
| 13) T n-Docosane (C22)         | 13.041 | 2407667    | 19.248 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.143 | 2435317    | 19.783 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.162 | 2402183    | 20.189 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.111 | 2380606    | 20.858 ug/ml  |
| 17) T n-Tricontane (C30)       | 16.998 | 2316311    | 21.242 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 17.827 | 2142510    | 20.911 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 18.610 | 1872625    | 20.292 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 19.347 | 1650442    | 19.779 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.067 | 1453582    | 19.527 ug/ml  |
| 22) T n-Tetracontane (C40)     | 20.940 | 1407878    | 18.833 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Acq On : 04 May 2022 10:36  
Operator : AJ\MA  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 52 Sample Multiplier: 1

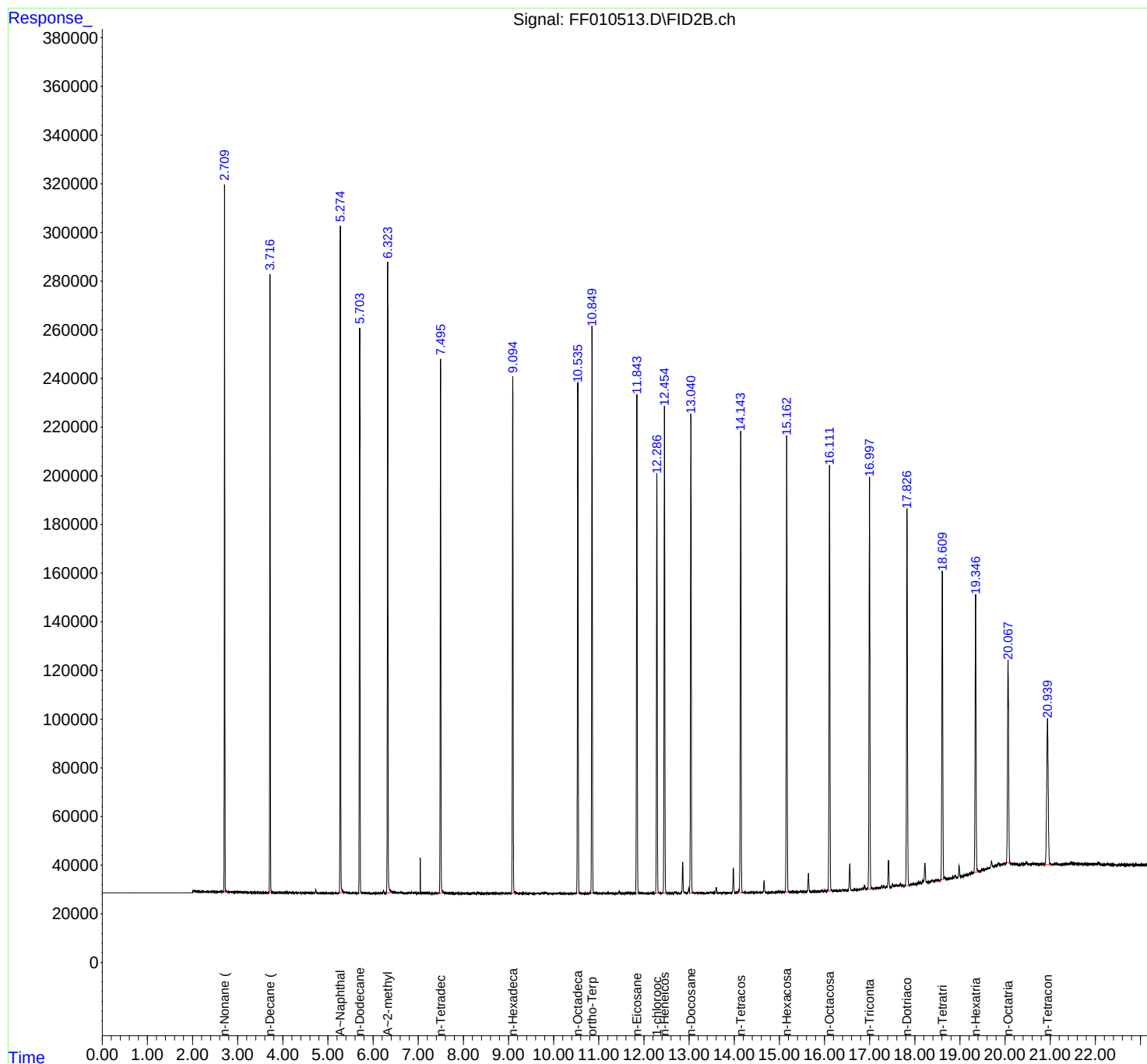
Instrument :  
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ClientSampleId :  
20 PPM ALIPHATIC HC STD

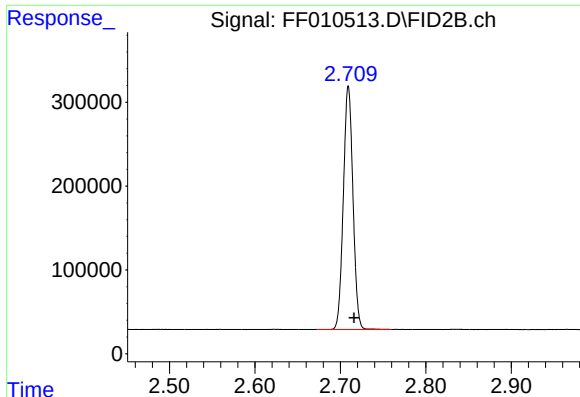
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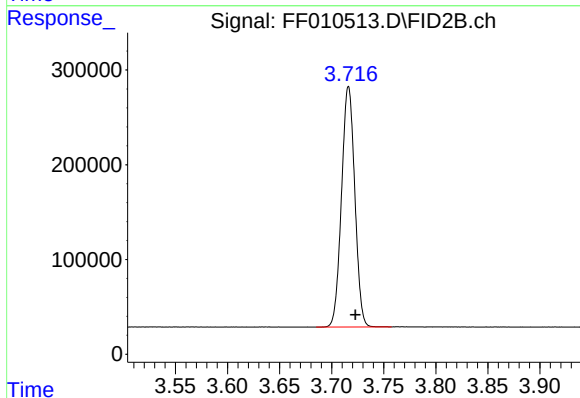
#1 n-Nonane (C9)

R.T.: 2.709 min  
Delta R.T.: -0.007 min  
Response: 2268295  
Conc: 19.17 ug/ml

Instrument :  
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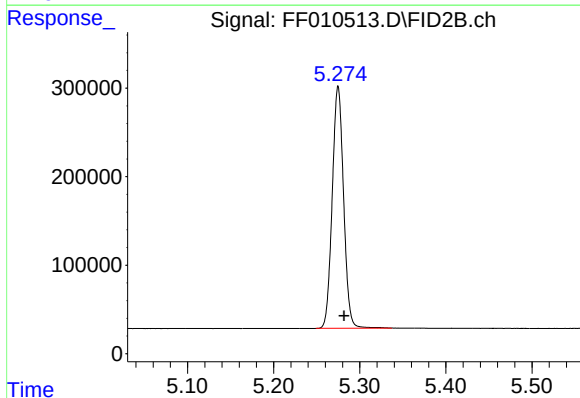
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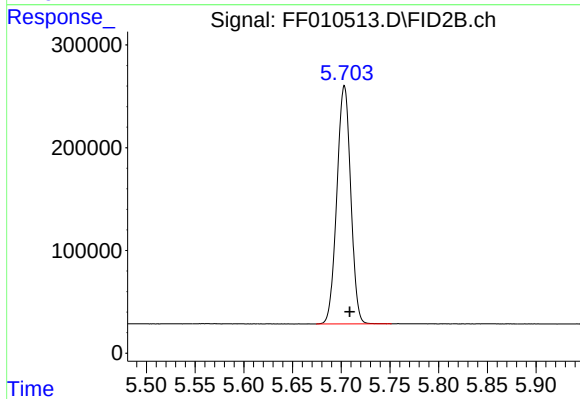
#2 n-Decane (C10)

R.T.: 3.716 min  
Delta R.T.: -0.006 min  
Response: 2252119  
Conc: 19.18 ug/ml



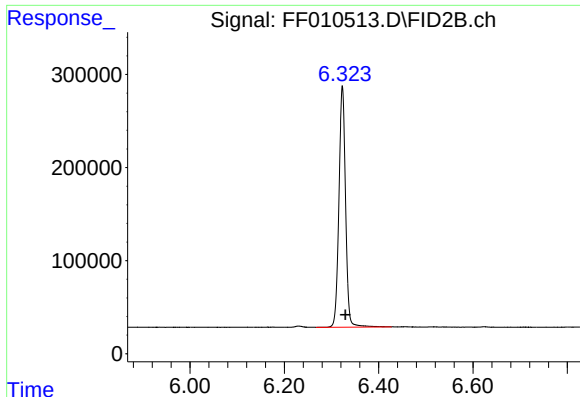
#3 A~Naphthalene (C11.7)

R.T.: 5.274 min  
Delta R.T.: -0.007 min  
Response: 2506489  
Conc: 18.91 ug/ml m



#4 n-Dodecane (C12)

R.T.: 5.703 min  
Delta R.T.: -0.006 min  
Response: 2294422  
Conc: 19.11 ug/ml



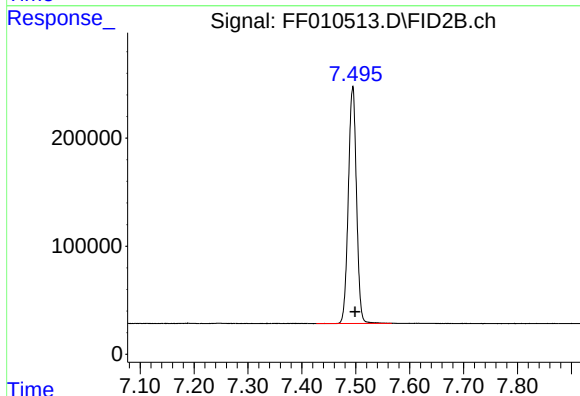
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.323 min  
Delta R.T.: -0.006 min  
Response: 2528773  
Conc: 18.87 ug/ml

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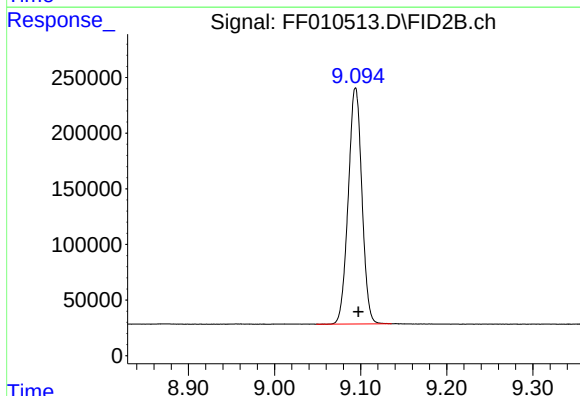
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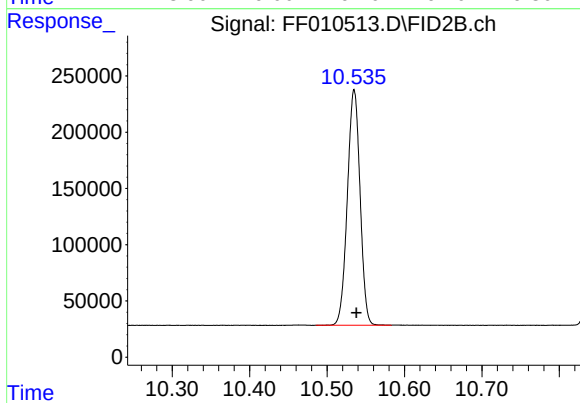
#6 n-Tetradecane (C14)

R.T.: 7.495 min  
Delta R.T.: -0.004 min  
Response: 2307662  
Conc: 19.12 ug/ml



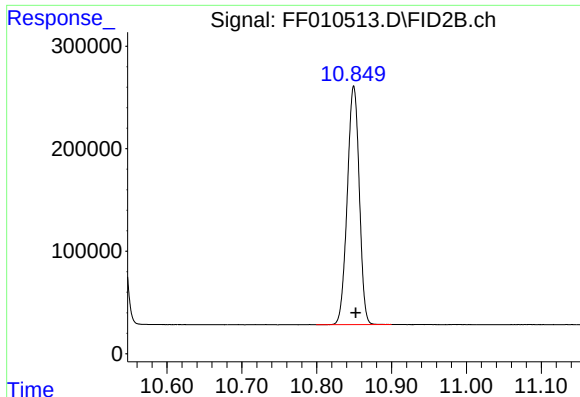
#7 n-Hexadecane (C16)

R.T.: 9.094 min  
Delta R.T.: -0.004 min  
Response: 2337203  
Conc: 19.00 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.535 min  
Delta R.T.: -0.003 min  
Response: 2385613  
Conc: 19.01 ug/ml



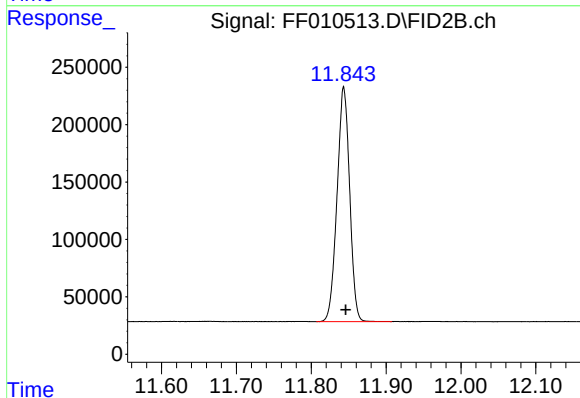
#9 ortho-Terphenyl (SURR)

R.T.: 10.850 min  
Delta R.T.: -0.003 min  
Response: 2589339  
Conc: 18.81 ug/ml

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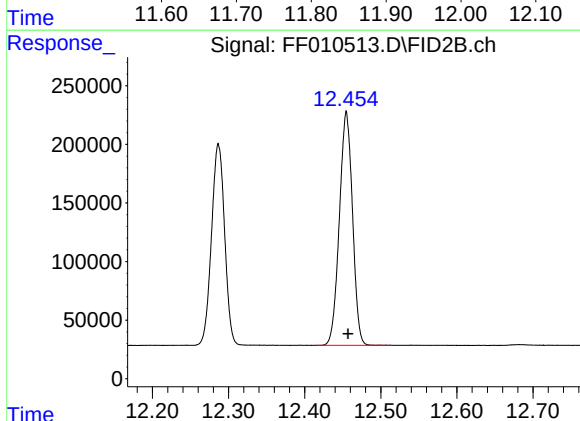
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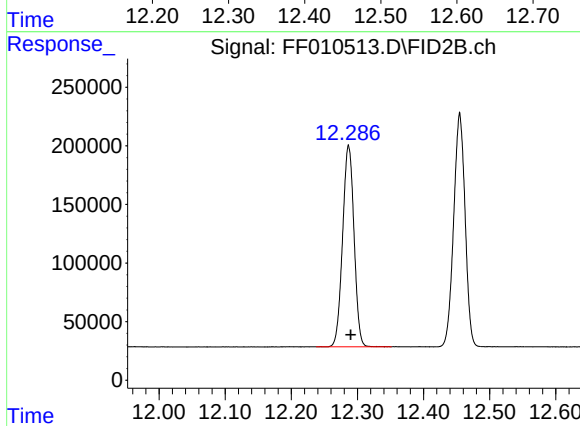
#10 n-Eicosane (C20)

R.T.: 11.843 min  
Delta R.T.: -0.003 min  
Response: 2390061  
Conc: 19.05 ug/ml



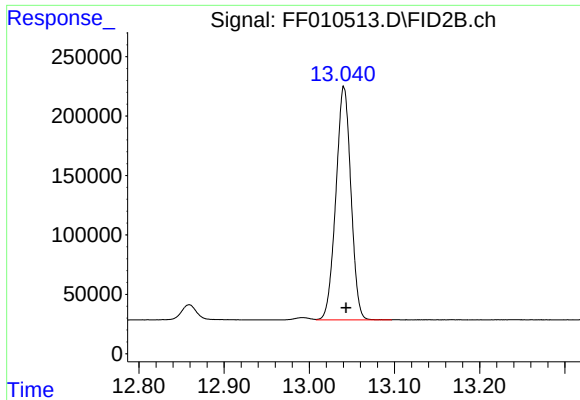
#11 n-Heneicosane (C21)

R.T.: 12.455 min  
Delta R.T.: -0.002 min  
Response: 2390136  
Conc: 18.99 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.287 min  
Delta R.T.: -0.003 min  
Response: 2061109  
Conc: 18.95 ug/ml



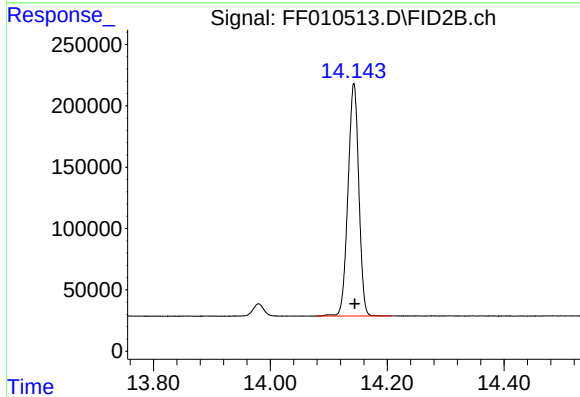
#13 n-Docosane (C22)

R.T.: 13.041 min  
Delta R.T.: -0.003 min  
Response: 2407667  
Conc: 19.25 ug/ml

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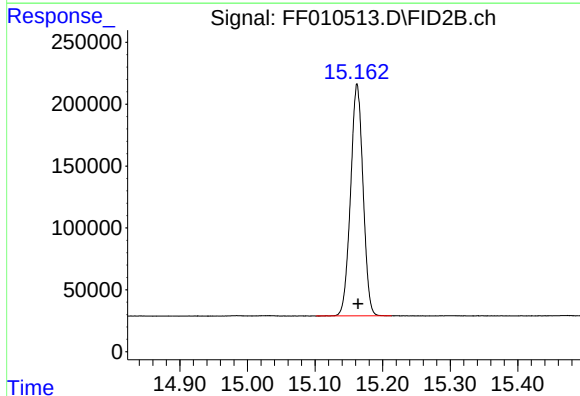
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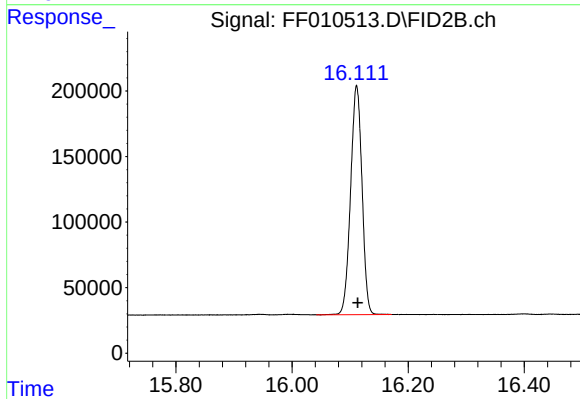
#14 n-Tetracosane (C24)

R.T.: 14.143 min  
Delta R.T.: -0.001 min  
Response: 2435317  
Conc: 19.78 ug/ml



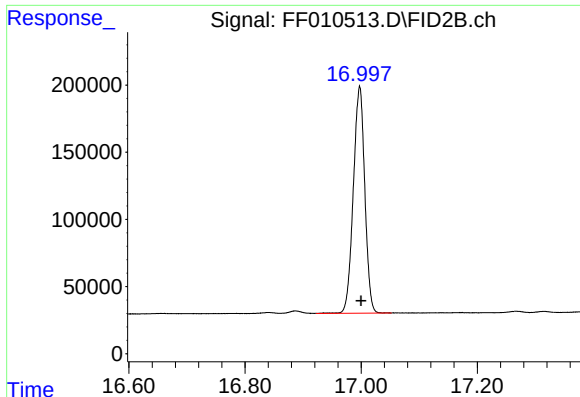
#15 n-Hexacosane (C26)

R.T.: 15.162 min  
Delta R.T.: -0.002 min  
Response: 2402183  
Conc: 20.19 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.111 min  
Delta R.T.: -0.002 min  
Response: 2380606  
Conc: 20.86 ug/ml



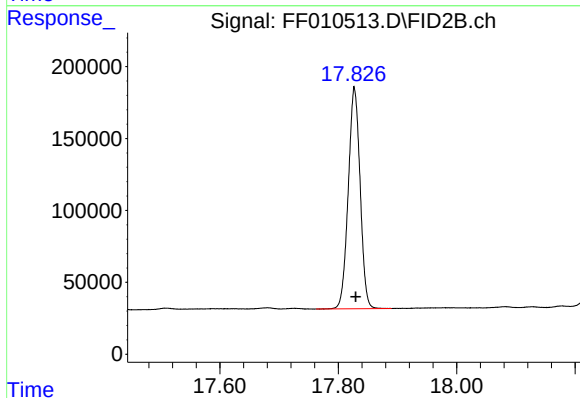
#17 n-Tricontane (C30)

R.T.: 16.998 min  
Delta R.T.: -0.002 min  
Response: 2316311  
Conc: 21.24 ug/ml

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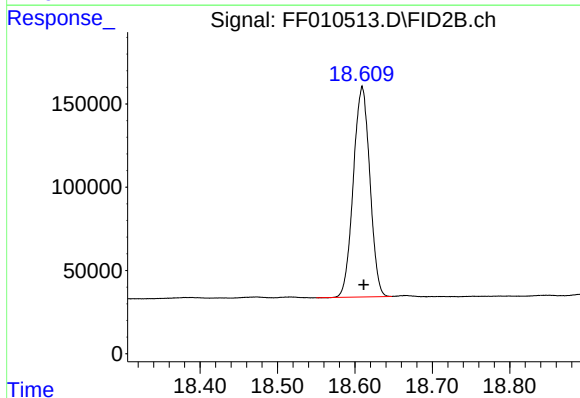
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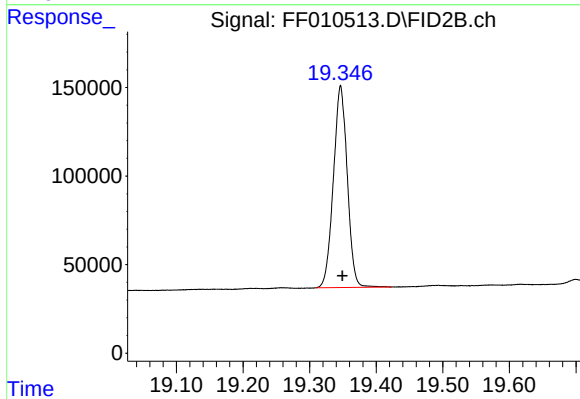
#18 n-Dotriacontane (C32)

R.T.: 17.827 min  
Delta R.T.: -0.003 min  
Response: 2142510  
Conc: 20.91 ug/ml



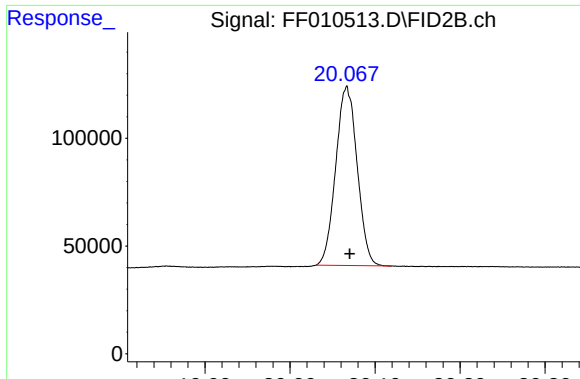
#19 n-Tetratriacontane (C34)

R.T.: 18.610 min  
Delta R.T.: -0.002 min  
Response: 1872625  
Conc: 20.29 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.347 min  
Delta R.T.: -0.003 min  
Response: 1650442  
Conc: 19.78 ug/ml



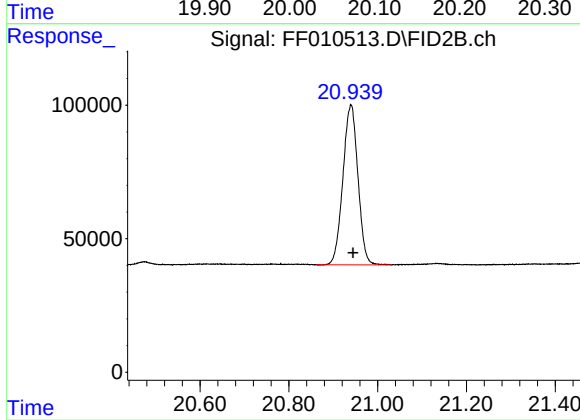
#21 n-Octatriacontane (C38)

R.T.: 20.067 min  
Delta R.T.: -0.004 min  
Response: 1453582  
Conc: 19.53 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.940 min  
Delta R.T.: -0.005 min  
Response: 1407878  
Conc: 18.83 ug/ml