

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE021325AL\  
 Data File : FE052381.D  
 Signal(s) : FID1B.ch  
 Acq On : 13 Feb 2025 18:14  
 Operator : YP\AJ  
 Sample : 5 PPM ALIPHATIC HC STD5  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 FID\_E  
 ClientSampleId :  
 5 PPM ALIPHATIC HC STD5

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 02/14/2025  
 Supervised By :Ankita Jodhani 02/14/2025

Integration File: autoint1.e  
 Quant Time: Feb 14 00:45:51 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 021325.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Feb 13 18:06:18 2025  
 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)    | 11.916 | 1001500    | 5.353 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 10.71%       |
| 12) S 1-chlorooctadecane (S... | 13.363 | 740554     | 5.314 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 10.63%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.253  | 823892     | 5.370 ug/ml  |
| 2) T n-Decane (C10)            | 4.515  | 834917     | 5.345 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.228  | 920357     | 5.330 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.697  | 842532     | 5.334 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.330  | 890871     | 5.307 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.535  | 839689     | 5.325 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.151 | 870784     | 5.318 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.601 | 884055     | 5.335 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.917 | 851461     | 5.326 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.531 | 836981     | 5.329 ug/ml  |
| 13) T n-Docosane (C22)         | 14.120 | 830974     | 5.291 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.227 | 830207     | 5.254 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.252 | 816927     | 5.247 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.206 | 821709     | 5.261 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.097 | 872848     | 5.159 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.933 | 890869     | 5.001 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.719 | 851618     | 5.021 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 20.462 | 753663     | 5.186 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 21.207 | 629299     | 5.057 ug/ml  |
| 22) T n-Tetracontane (C40)     | 22.135 | 571230     | 5.232 ug/ml  |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE021325AL\  
Data File : FE052381.D  
Signal(s) : FID1B.ch  
Acq On : 13 Feb 2025 18:14  
Operator : YP\AJ  
Sample : 5 PPM ALIPHATIC HC STD5  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

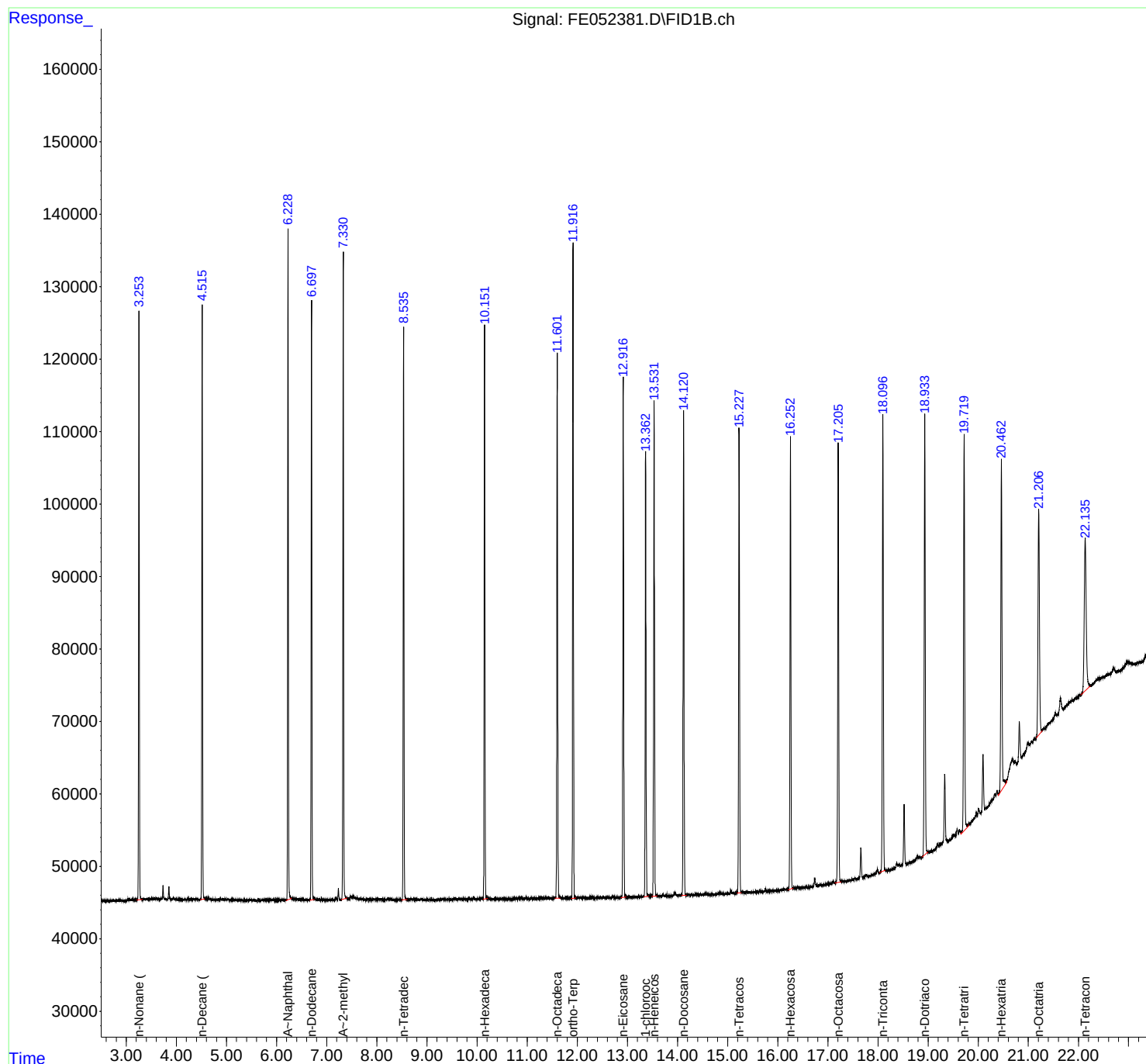
Instrument :  
FID\_E  
ClientSampleId :  
5 PPM ALIPHATIC HC STD5

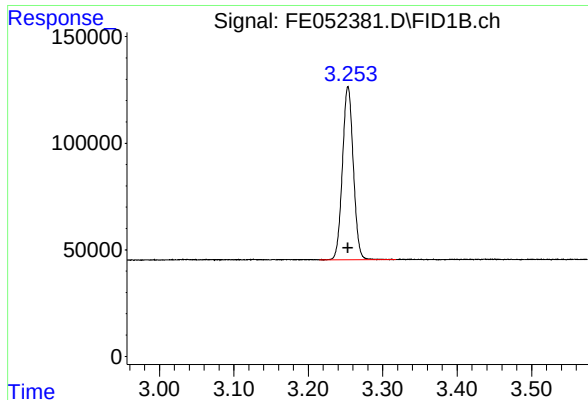
Manual Integrations  
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Integration File: autoint1.e  
Quant Time: Feb 14 00:45:51 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 021325.  
Quant Title : GC Extractables  
QLast Update : Thu Feb 13 18:06:18 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 ul  
Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18um





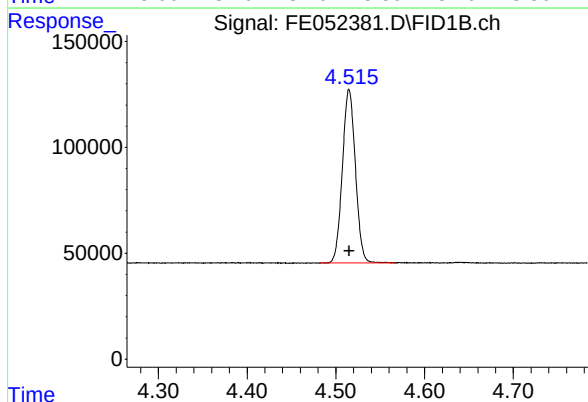
#1 n-Nonane (C9)

R.T.: 3.253 min  
Delta R.T.: 0.000 min  
Response: 823892  
Conc: 5.37 ug/ml

Instrument : FID\_E  
ClientSampleId : 5 PPM ALIPHATIC HC STD5

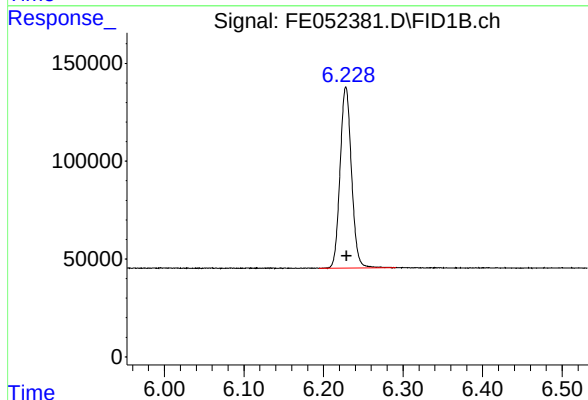
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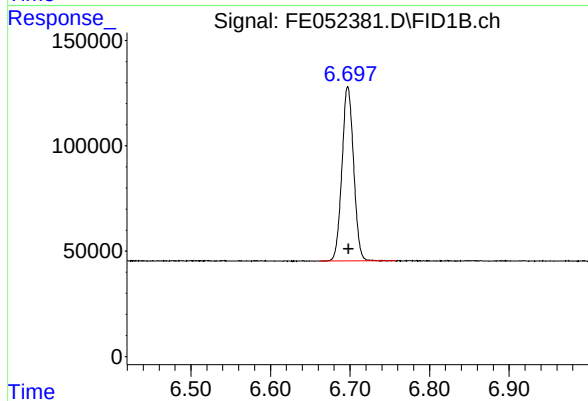
#2 n-Decane (C10)

R.T.: 4.515 min  
Delta R.T.: 0.000 min  
Response: 834917  
Conc: 5.34 ug/ml



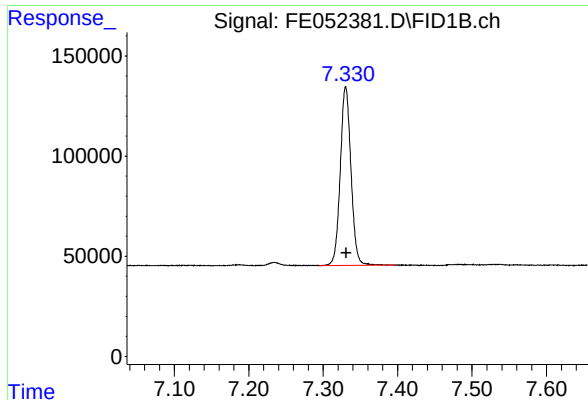
#3 A~Naphthalene (C11.7)

R.T.: 6.228 min  
Delta R.T.: 0.000 min  
Response: 920357  
Conc: 5.33 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.697 min  
Delta R.T.: 0.000 min  
Response: 842532  
Conc: 5.33 ug/ml



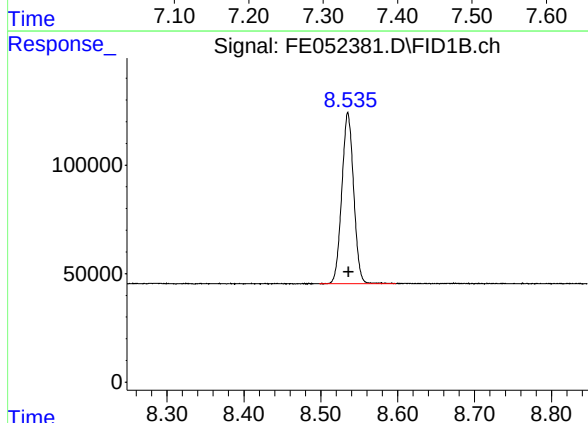
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.330 min  
Delta R.T.: 0.000 min  
Response: 890871  
Conc: 5.31 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
5 PPM ALIPHATIC HC STD5

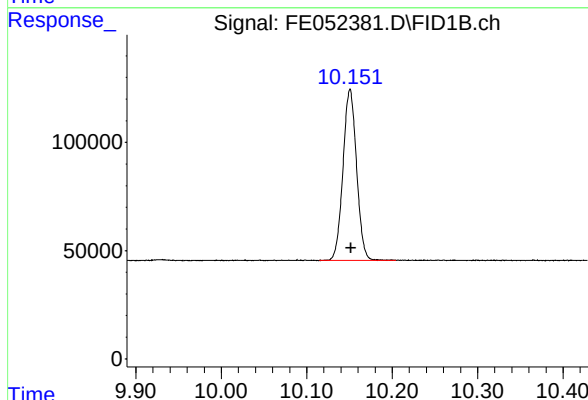
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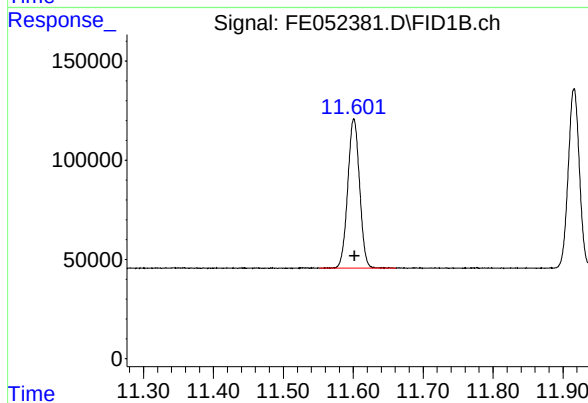
#6 n-Tetradecane (C14)

R.T.: 8.535 min  
Delta R.T.: 0.000 min  
Response: 839689  
Conc: 5.33 ug/ml



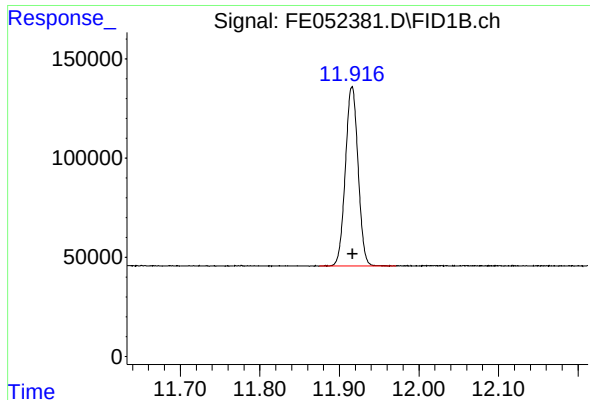
#7 n-Hexadecane (C16)

R.T.: 10.151 min  
Delta R.T.: -0.001 min  
Response: 870784  
Conc: 5.32 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.601 min  
Delta R.T.: 0.000 min  
Response: 884055  
Conc: 5.33 ug/ml



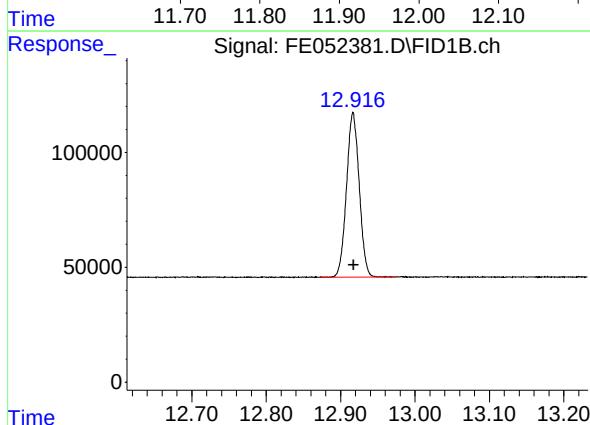
#9 ortho-Terphenyl (SURR)

R.T.: 11.916 min  
Delta R.T.: 0.000 min  
Response: 1001500  
Conc: 5.35 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
5 PPM ALIPHATIC HC STD5

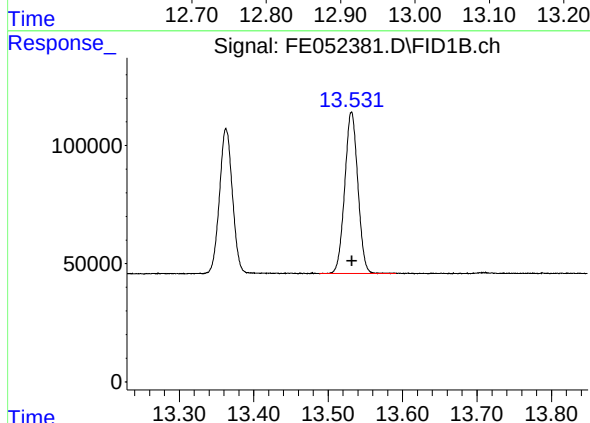
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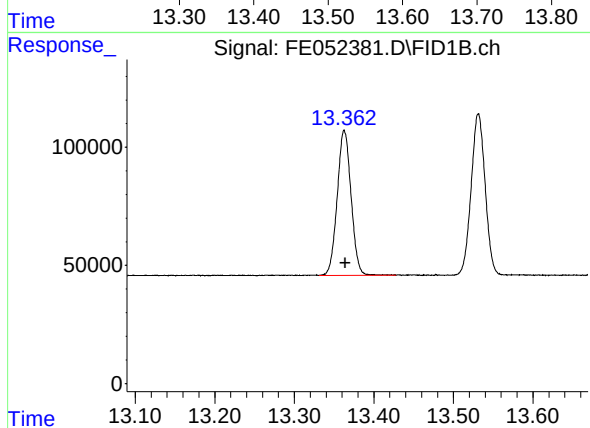
#10 n-Eicosane (C20)

R.T.: 12.917 min  
Delta R.T.: 0.000 min  
Response: 851461  
Conc: 5.33 ug/ml



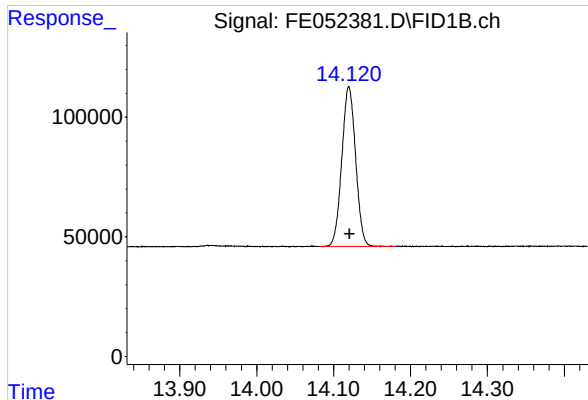
#11 n-Heneicosane (C21)

R.T.: 13.531 min  
Delta R.T.: 0.000 min  
Response: 836981  
Conc: 5.33 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.363 min  
Delta R.T.: -0.001 min  
Response: 740554  
Conc: 5.31 ug/ml



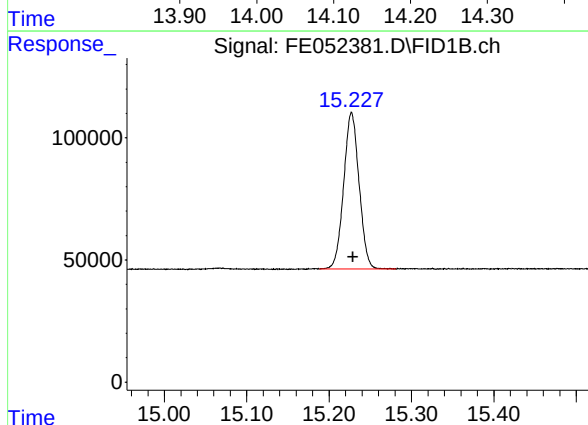
#13 n-Docosane (C22)

R.T.: 14.120 min  
Delta R.T.: -0.001 min  
Response: 830974  
Conc: 5.29 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
5 PPM ALIPHATIC HC STD5

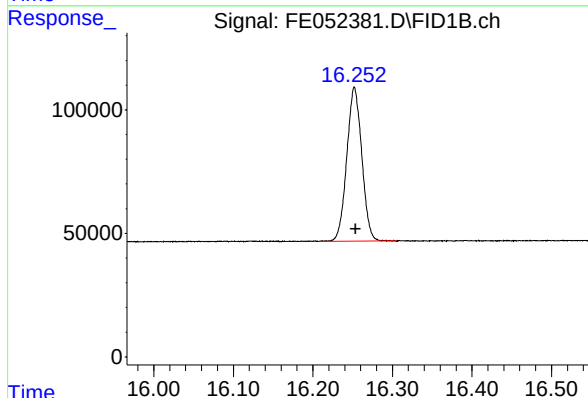
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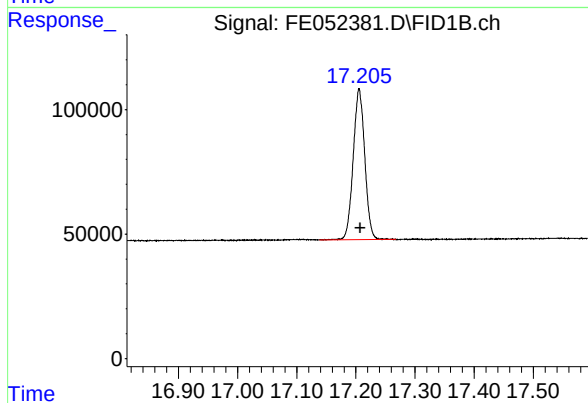
#14 n-Tetracosane (C24)

R.T.: 15.227 min  
Delta R.T.: -0.002 min  
Response: 830207  
Conc: 5.25 ug/ml



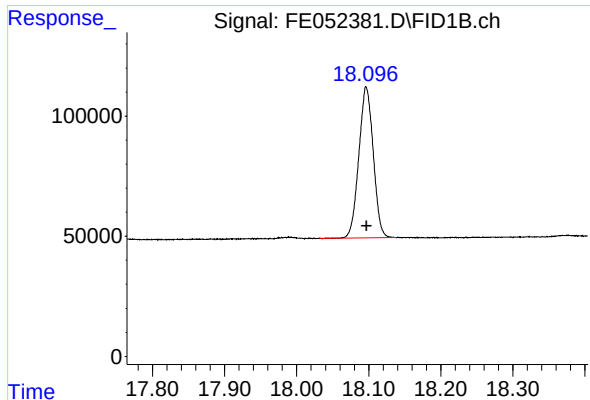
#15 n-Hexacosane (C26)

R.T.: 16.252 min  
Delta R.T.: -0.001 min  
Response: 816927  
Conc: 5.25 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.206 min  
Delta R.T.: -0.002 min  
Response: 821709  
Conc: 5.26 ug/ml



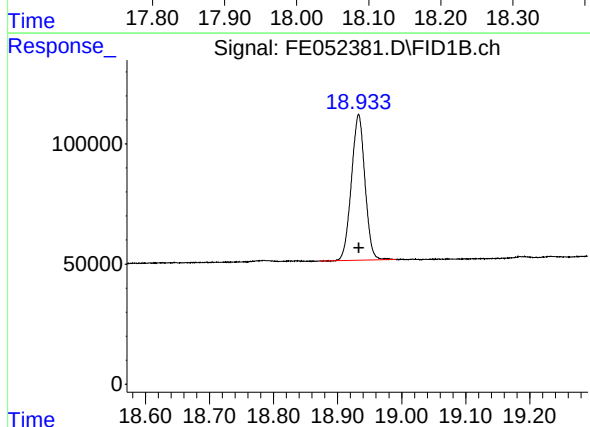
#17 n-Tricontane (C30)

R.T.: 18.097 min  
Delta R.T.: 0.000 min  
Response: 872848  
Conc: 5.16 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
5 PPM ALIPHATIC HC STD5

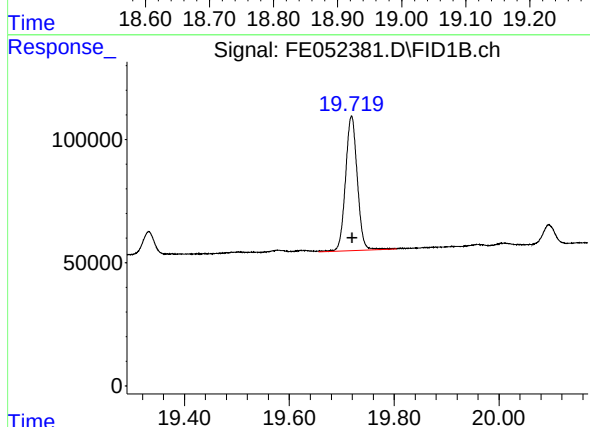
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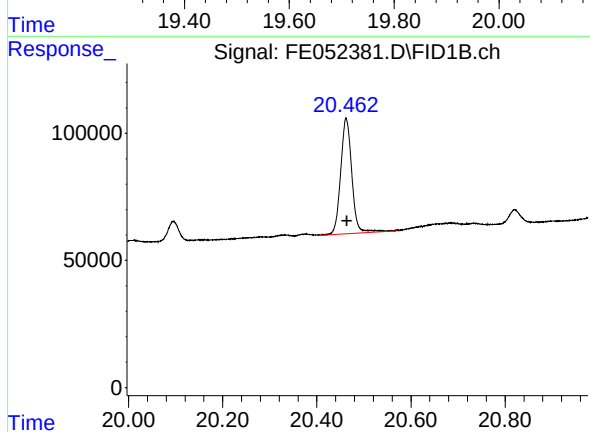
#18 n-Dotriacontane (C32)

R.T.: 18.933 min  
Delta R.T.: 0.000 min  
Response: 890869  
Conc: 5.00 ug/ml



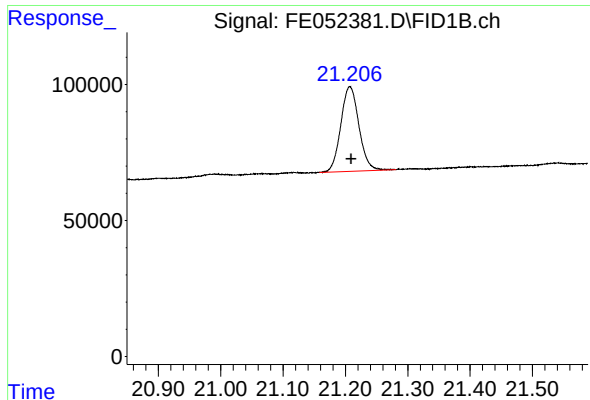
#19 n-Tetatriacontane (C34)

R.T.: 19.719 min  
Delta R.T.: -0.002 min  
Response: 851618  
Conc: 5.02 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.462 min  
Delta R.T.: -0.002 min  
Response: 753663  
Conc: 5.19 ug/ml m



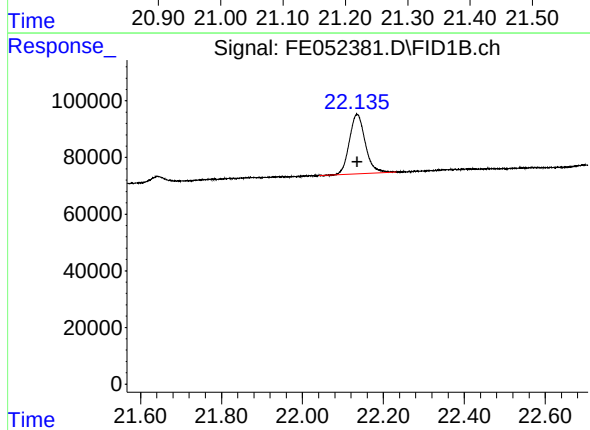
#21 n-Octatriacontane (C38)

R.T.: 21.207 min  
Delta R.T.: -0.002 min  
Response: 629299  
Conc: 5.06 ug/ml

Instrument :  
FID\_E  
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5 PPM ALIPHATIC HC STD5

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#22 n-Tetracontane (C40)

R.T.: 22.135 min  
Delta R.T.: 0.000 min  
Response: 571230  
Conc: 5.23 ug/ml