

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE071624AL\  
 Data File : FE049138.D  
 Signal(s) : FID1B.ch  
 Acq On : 16 Jul 2024 18:47  
 Operator : YP\AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/17/2024  
 Supervised By :Ankita Jodhani 07/17/2024

Integration File: autoint1.e  
 Quant Time: Jul 17 01:39:07 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 062124.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Jun 20 17:53:58 2024  
 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)    | 11.918 | 2945109    | 17.613 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 35.23%        |
| 12) S 1-chlorooctadecane (S... | 13.354 | 2243417    | 17.446 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 34.89%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.304  | 2889141    | 19.217 ug/ml  |
| 2) T n-Decane (C10)            | 4.554  | 2936353    | 19.081 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.262  | 2992596    | 18.851 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.721  | 2915341    | 18.885 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.358  | 2812502    | 18.572 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.549  | 2877180    | 18.773 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.157 | 2895722    | 18.520 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.599 | 2891729    | 18.131 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.909 | 2750073    | 17.738 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.521 | 2693136    | 17.687 ug/ml  |
| 13) T n-Docosane (C22)         | 14.107 | 2678721    | 17.712 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.209 | 2677352    | 17.816 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.229 | 2664966    | 18.051 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.179 | 2648532    | 18.365 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.066 | 2740629    | 18.733 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.897 | 2744363    | 19.194 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.681 | 2751111    | 19.882 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.419 | 2793293    | 21.492 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 21.153 | 2790749    | 21.769 ug/mlm |
| 22) T n-Tetracontane (C40)     | 22.065 | 2873256    | 23.463 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP\AJ  
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Misc :  
ALS Vial : 6 Sample Multiplier: 1

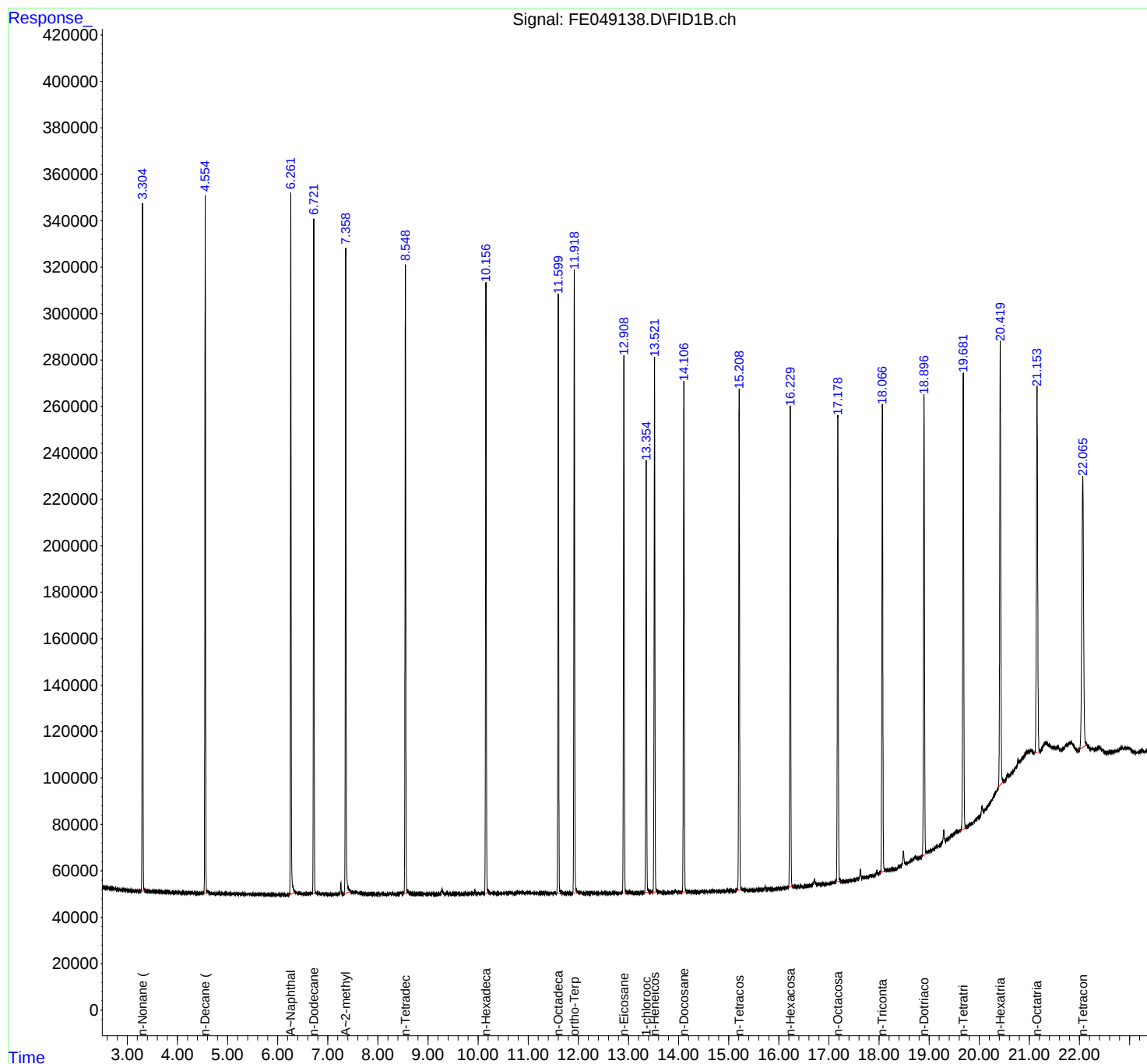
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

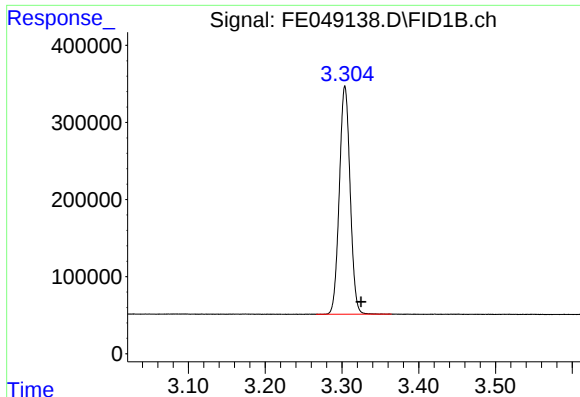
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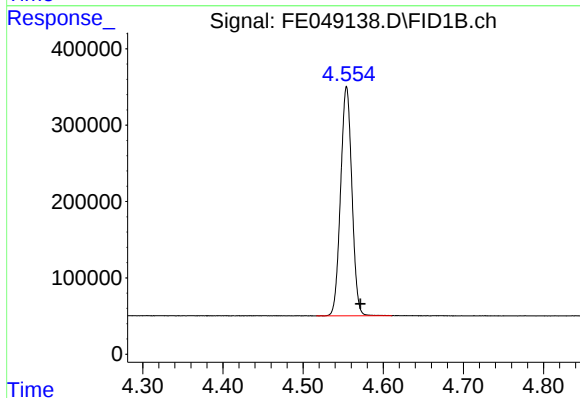
#1 n-Nonane (C9)

R.T.: 3.304 min  
Delta R.T.: -0.021 min  
Response: 2889141  
Conc: 19.22 ug/ml

Instrument :  
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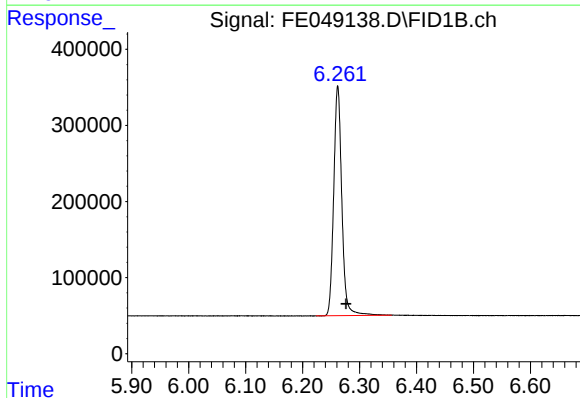
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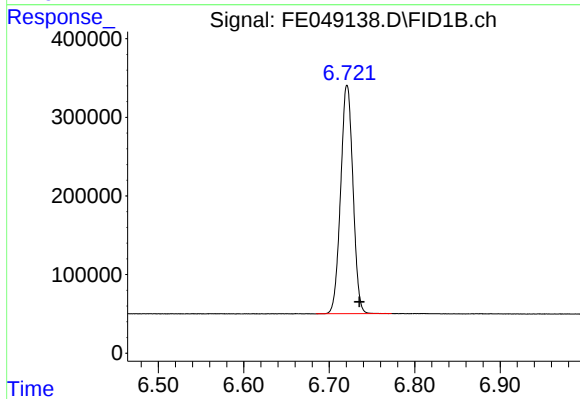
#2 n-Decane (C10)

R.T.: 4.554 min  
Delta R.T.: -0.017 min  
Response: 2936353  
Conc: 19.08 ug/ml



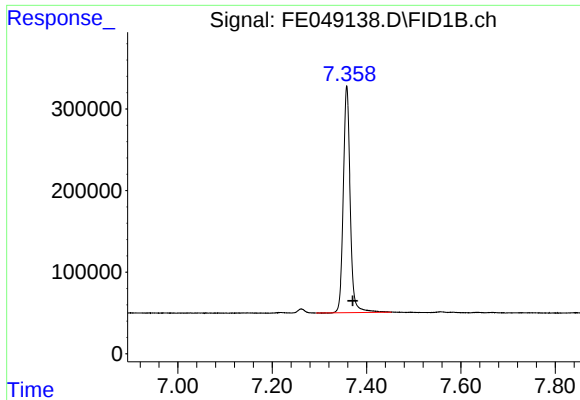
#3 A~Naphthalene (C11.7)

R.T.: 6.262 min  
Delta R.T.: -0.014 min  
Response: 2992596  
Conc: 18.85 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.721 min  
Delta R.T.: -0.014 min  
Response: 2915341  
Conc: 18.88 ug/ml



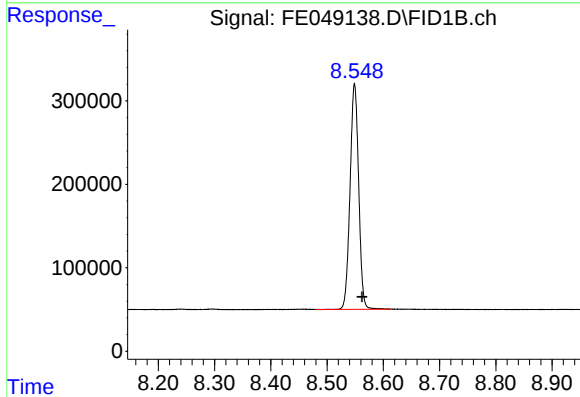
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.358 min  
Delta R.T.: -0.012 min  
Response: 2812502  
Conc: 18.57 ug/ml

Instrument :  
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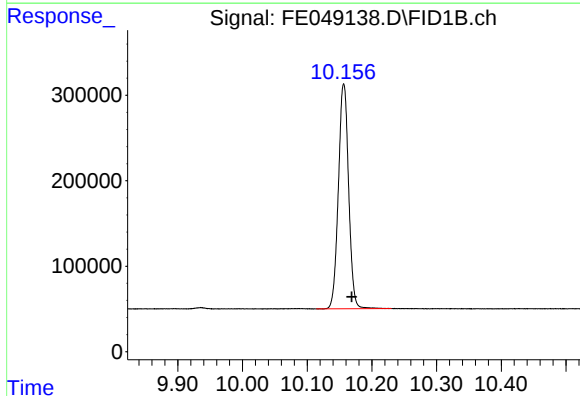
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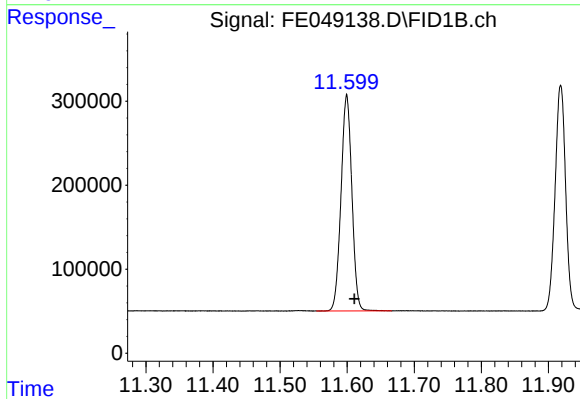
#6 n-Tetradecane (C14)

R.T.: 8.549 min  
Delta R.T.: -0.014 min  
Response: 2877180  
Conc: 18.77 ug/ml



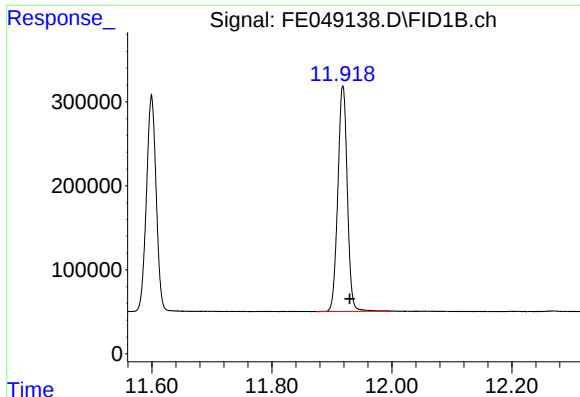
#7 n-Hexadecane (C16)

R.T.: 10.157 min  
Delta R.T.: -0.012 min  
Response: 2895722  
Conc: 18.52 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.599 min  
Delta R.T.: -0.012 min  
Response: 2891729  
Conc: 18.13 ug/ml



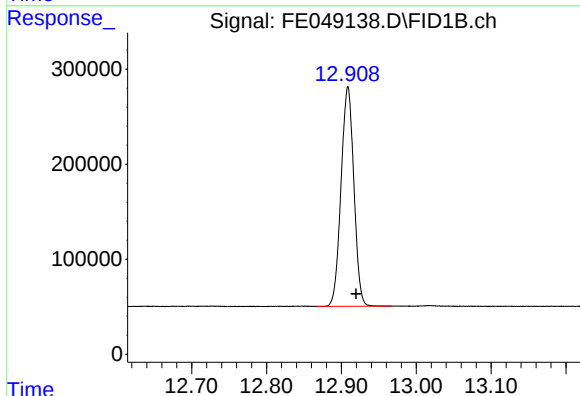
#9 ortho-Terphenyl (SURR)

R.T.: 11.918 min  
Delta R.T.: -0.011 min  
Response: 2945109  
Conc: 17.61 ug/ml

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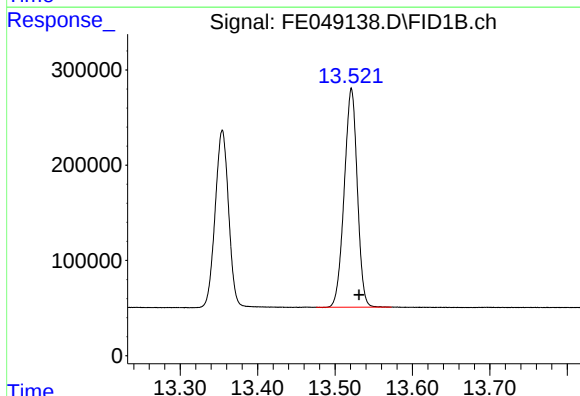
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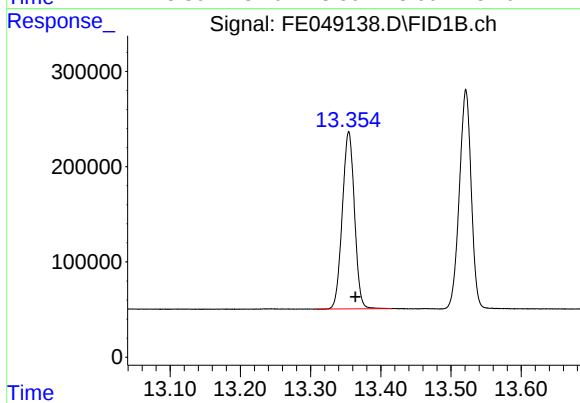
#10 n-Eicosane (C20)

R.T.: 12.909 min  
Delta R.T.: -0.011 min  
Response: 2750073  
Conc: 17.74 ug/ml



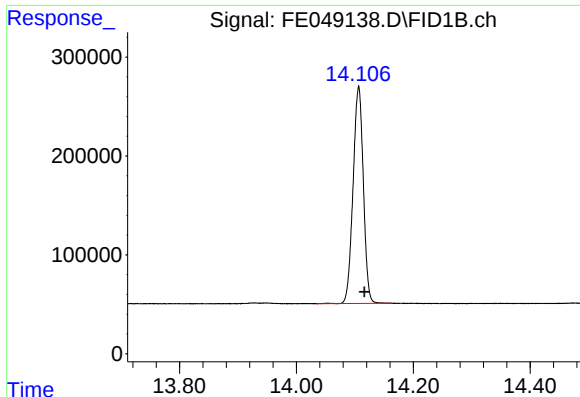
#11 n-Heneicosane (C21)

R.T.: 13.521 min  
Delta R.T.: -0.010 min  
Response: 2693136  
Conc: 17.69 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.354 min  
Delta R.T.: -0.009 min  
Response: 2243417  
Conc: 17.45 ug/ml



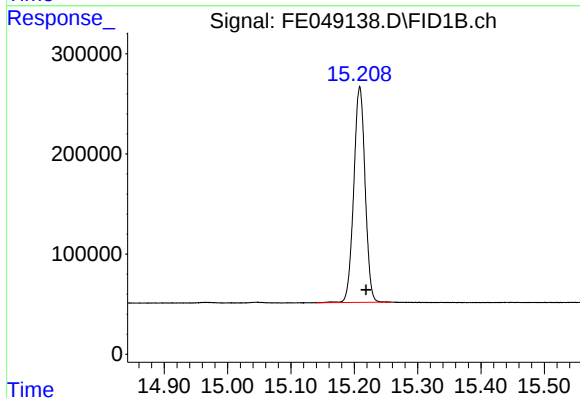
#13 n-Docosane (C22)

R.T.: 14.107 min  
Delta R.T.: -0.010 min  
Response: 2678721  
Conc: 17.71 ug/ml

Instrument :  
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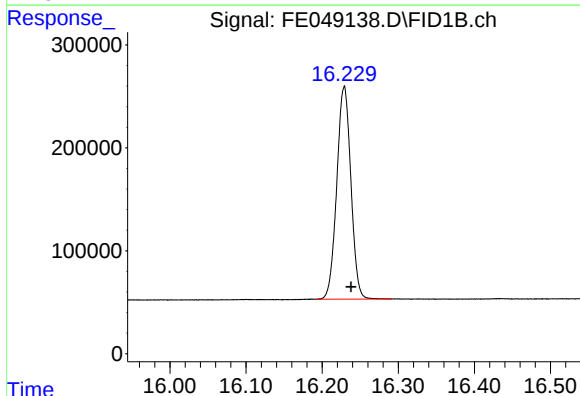
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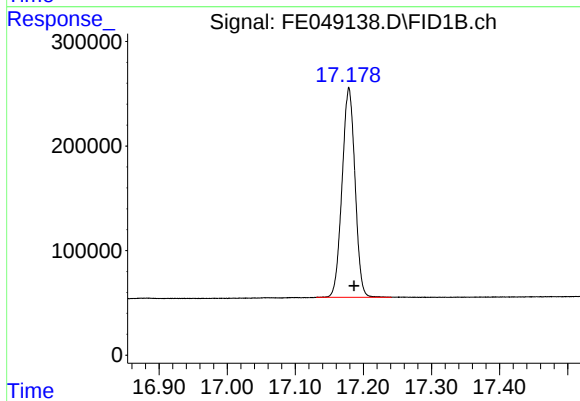
#14 n-Tetracosane (C24)

R.T.: 15.209 min  
Delta R.T.: -0.010 min  
Response: 2677352  
Conc: 17.82 ug/ml



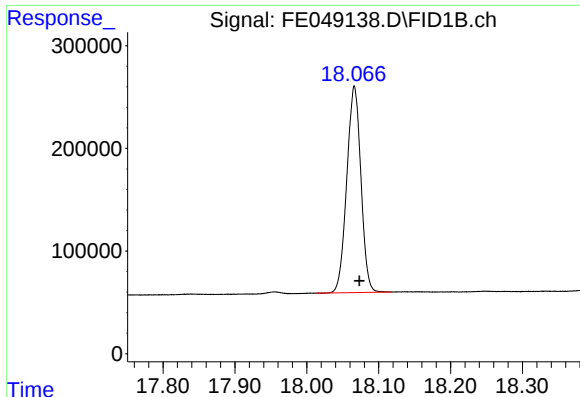
#15 n-Hexacosane (C26)

R.T.: 16.229 min  
Delta R.T.: -0.009 min  
Response: 2664966  
Conc: 18.05 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.179 min  
Delta R.T.: -0.007 min  
Response: 2648532  
Conc: 18.37 ug/ml



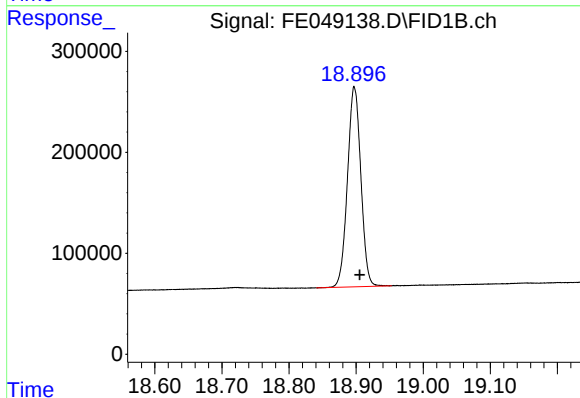
#17 n-Tricontane (C30)

R.T.: 18.066 min  
Delta R.T.: -0.007 min  
Response: 2740629  
Conc: 18.73 ug/ml

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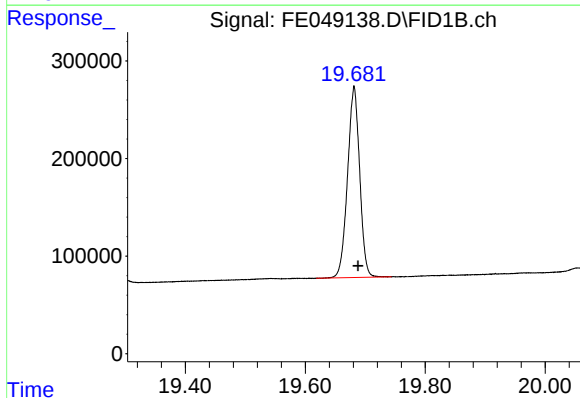
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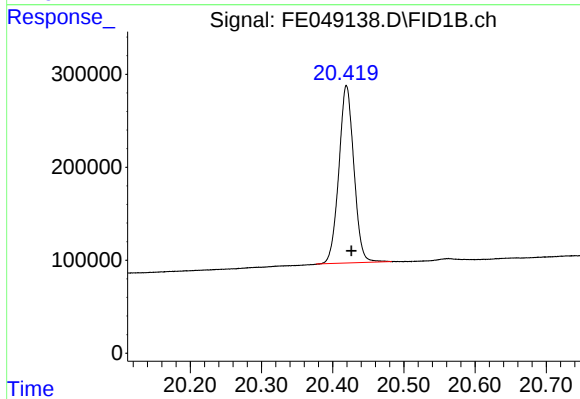
#18 n-Dotriacontane (C32)

R.T.: 18.897 min  
Delta R.T.: -0.008 min  
Response: 2744363  
Conc: 19.19 ug/ml



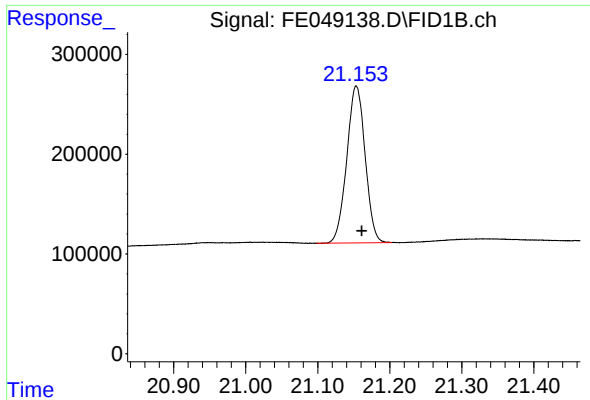
#19 n-Tetratriacontane (C34)

R.T.: 19.681 min  
Delta R.T.: -0.007 min  
Response: 2751111  
Conc: 19.88 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.419 min  
Delta R.T.: -0.008 min  
Response: 2793293  
Conc: 21.49 ug/ml m



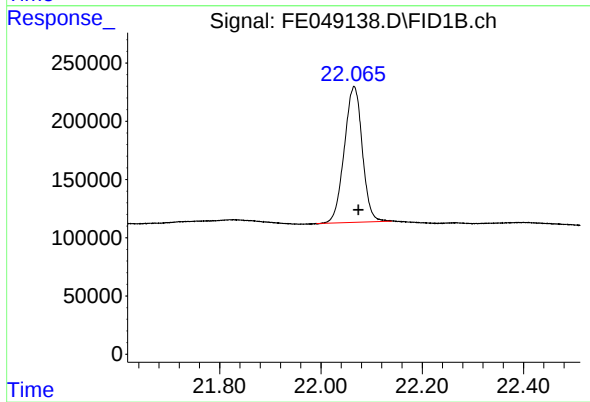
#21 n-Octatriacontane (C38)

R.T.: 21.153 min  
Delta R.T.: -0.008 min  
Response: 2790749  
Conc: 21.77 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.065 min  
Delta R.T.: -0.010 min  
Response: 2873256  
Conc: 23.46 ug/ml m