

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE092524AL\  
 Data File : FE050368.D  
 Signal(s) : FID1B.ch  
 Acq On : 26 Sep 2024 02:03  
 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 09/26/2024  
 Supervised By :Ankita Jodhani 09/26/2024

Integration File: autoint1.e  
 Quant Time: Sep 26 05:14:31 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 091024.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 09 17:11:47 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)    | 11.866 | 2537483    | 17.055 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 34.11%        |
| 12) S 1-chlorooctadecane (S... | 13.301 | 1945943    | 17.324 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 34.65%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.256  | 2289391    | 16.890 ug/ml  |
| 2) T n-Decane (C10)            | 4.506  | 2376158    | 17.217 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.217  | 2414716    | 17.252 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.673  | 2386028    | 17.255 ug/mlm |
| 5) T A~2-methylnaphthalene...  | 7.312  | 2260548    | 17.199 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.501  | 2375863    | 17.448 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.106 | 2467983    | 17.768 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.548 | 2489816    | 17.771 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.855 | 2387366    | 17.797 ug/mlm |
| 11) T n-Heneicosane (C21)      | 13.467 | 2345804    | 17.853 ug/ml  |
| 13) T n-Docosane (C22)         | 14.052 | 2332022    | 17.909 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.153 | 2355829    | 18.040 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.173 | 2325068    | 18.173 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.121 | 2418392    | 18.775 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.008 | 2668951    | 19.959 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.840 | 2744803    | 20.598 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.621 | 2719358    | 22.008 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.360 | 2641333    | 23.807 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 21.086 | 2549731    | 23.121 ug/mlm |
| 22) T n-Tetracontane (C40)     | 21.974 | 2278450    | 20.939 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Acq On : 26 Sep 2024 02:03  
Operator : YP\AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

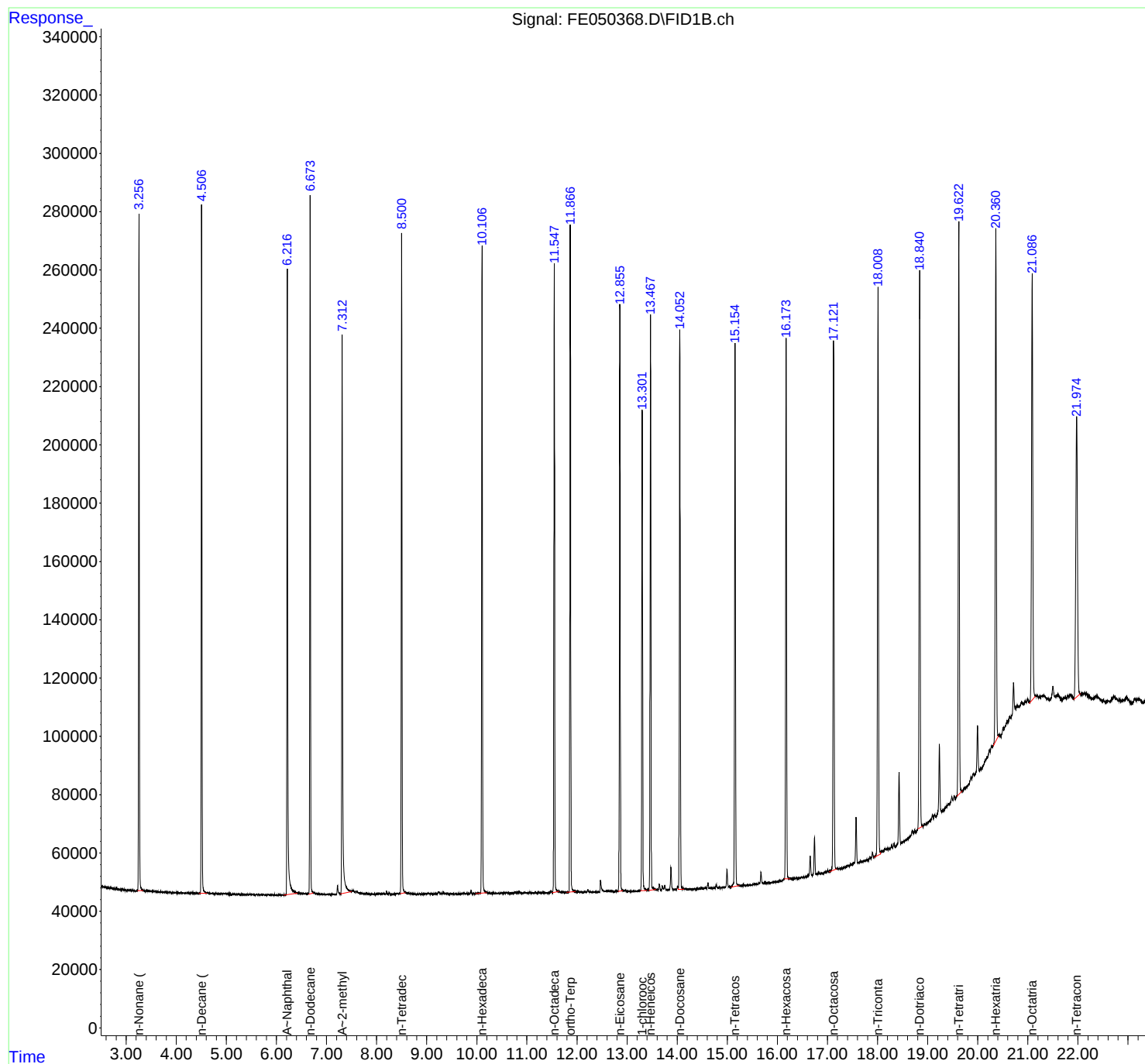
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

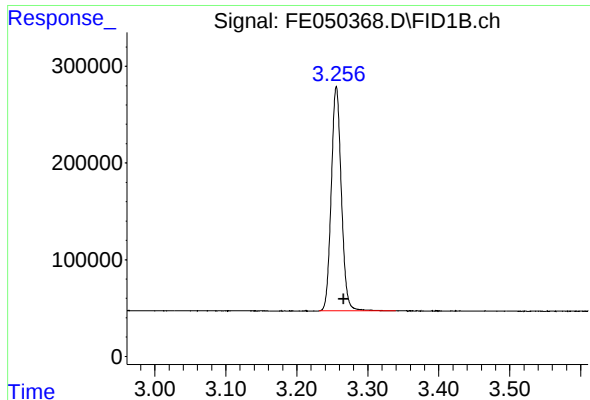
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Signal Phase : Rxi-1ms  
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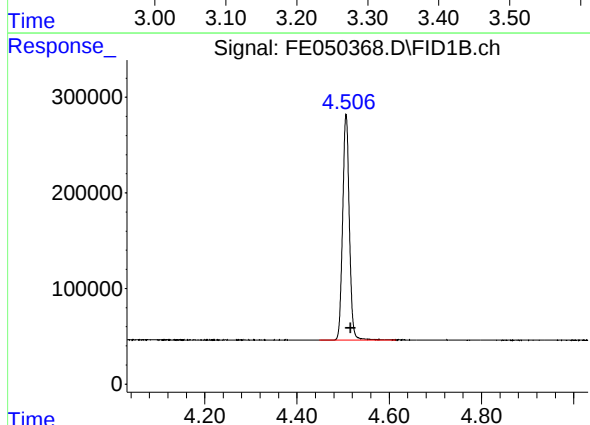
#1 n-Nonane (C9)

R.T.: 3.256 min  
Delta R.T.: -0.010 min  
Response: 2289391  
Conc: 16.89 ug/ml

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

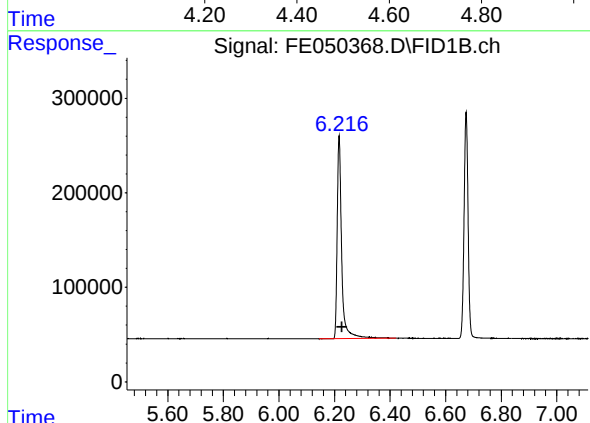
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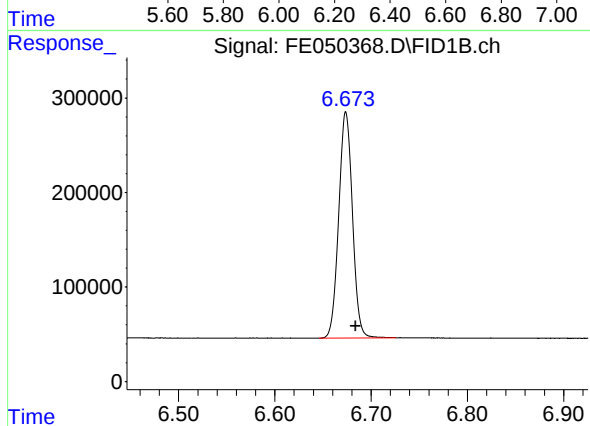
#2 n-Decane (C10)

R.T.: 4.506 min  
Delta R.T.: -0.010 min  
Response: 2376158  
Conc: 17.22 ug/ml



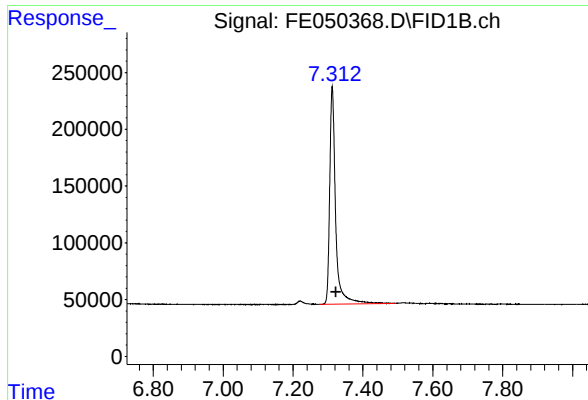
#3 A~Naphthalene (C11.7)

R.T.: 6.217 min  
Delta R.T.: -0.010 min  
Response: 2414716  
Conc: 17.25 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.673 min  
Delta R.T.: -0.011 min  
Response: 2386028  
Conc: 17.25 ug/ml m



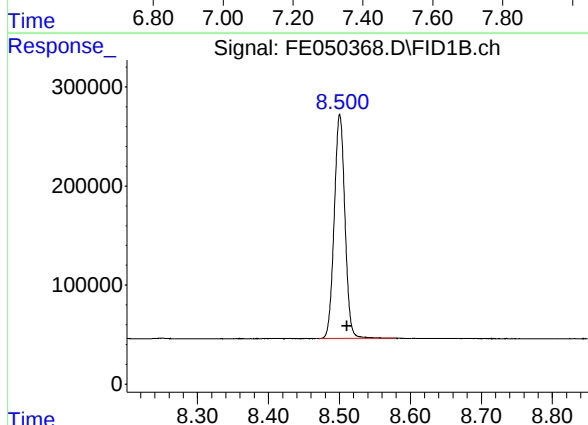
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.312 min  
Delta R.T.: -0.011 min  
Response: 2260548  
Conc: 17.20 ug/ml

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

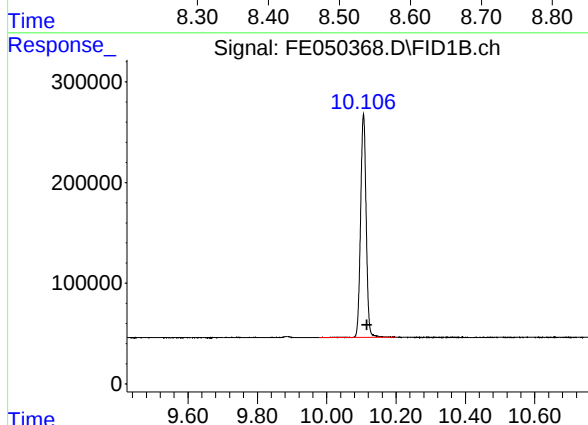
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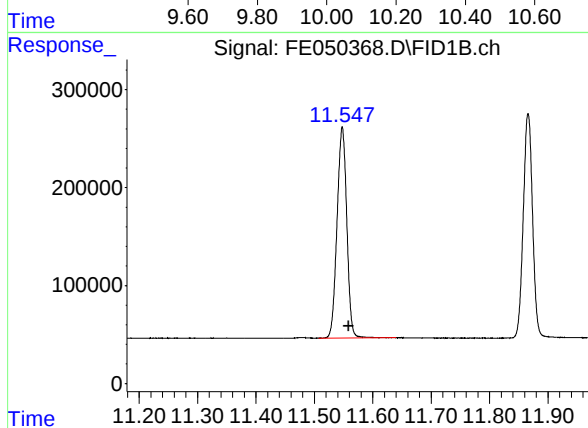
#6 n-Tetradecane (C14)

R.T.: 8.501 min  
Delta R.T.: -0.010 min  
Response: 2375863  
Conc: 17.45 ug/ml



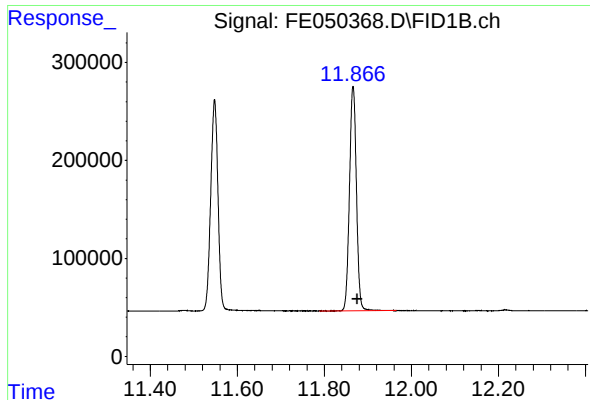
#7 n-Hexadecane (C16)

R.T.: 10.106 min  
Delta R.T.: -0.011 min  
Response: 2467983  
Conc: 17.77 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.548 min  
Delta R.T.: -0.011 min  
Response: 2489816  
Conc: 17.77 ug/ml



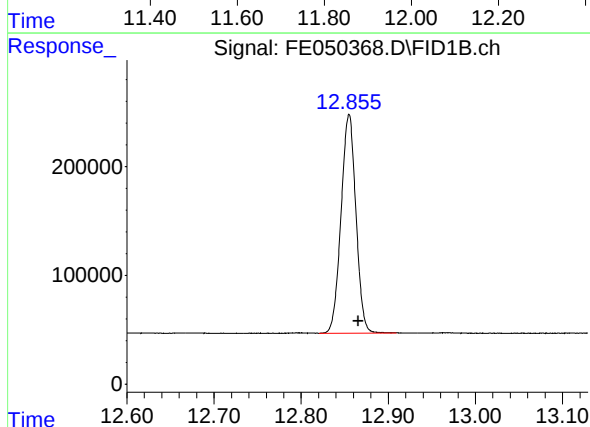
#9 ortho-Terphenyl (SURR)

R.T.: 11.866 min  
Delta R.T.: -0.010 min  
Response: 2537483  
Conc: 17.06 ug/ml

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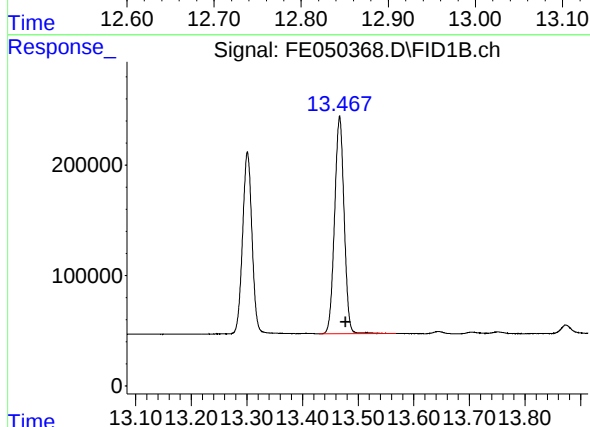
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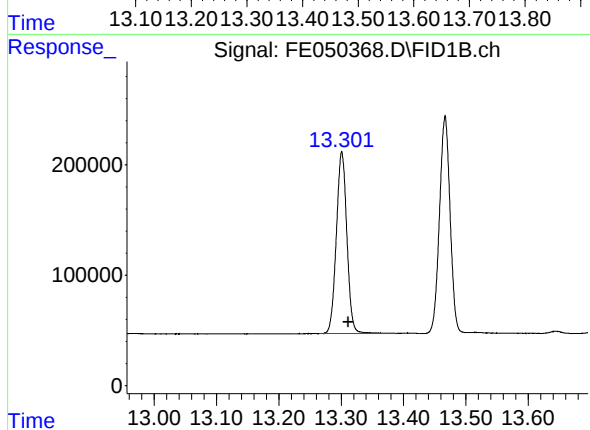
#10 n-Eicosane (C20)

R.T.: 12.855 min  
Delta R.T.: -0.011 min  
Response: 2387366  
Conc: 17.80 ug/ml m



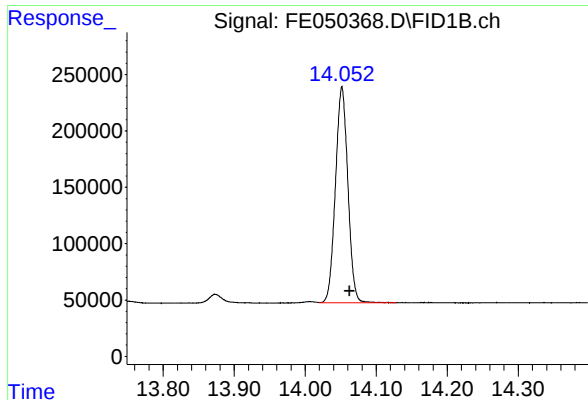
#11 n-Heneicosane (C21)

R.T.: 13.467 min  
Delta R.T.: -0.011 min  
Response: 2345804  
Conc: 17.85 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.301 min  
Delta R.T.: -0.010 min  
Response: 1945943  
Conc: 17.32 ug/ml



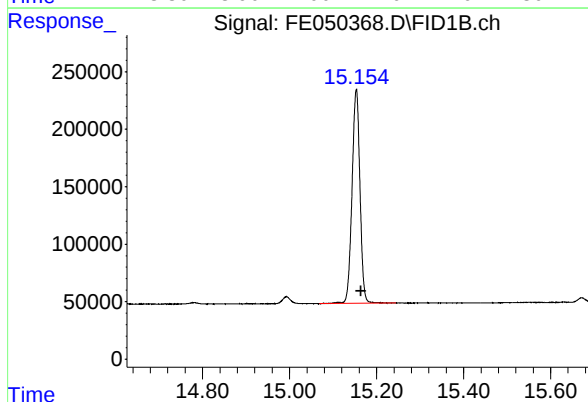
#13 n-Docosane (C22)

R.T.: 14.052 min  
Delta R.T.: -0.011 min  
Response: 2332022  
Conc: 17.91 ug/ml

Instrument :  
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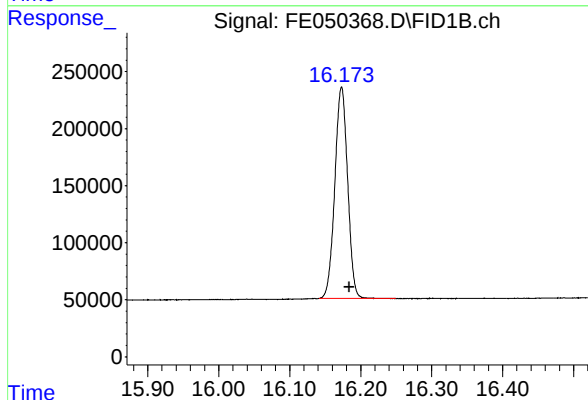
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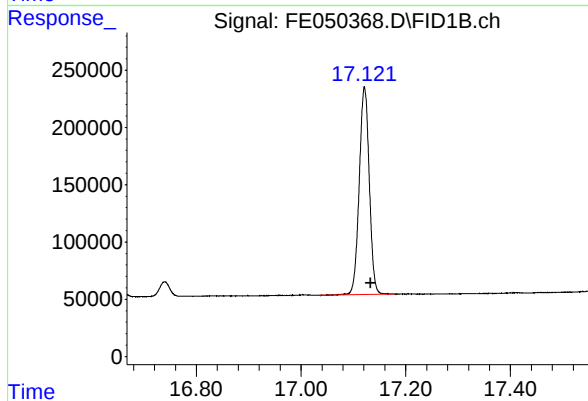
#14 n-Tetracosane (C24)

R.T.: 15.153 min  
Delta R.T.: -0.011 min  
Response: 2355829  
Conc: 18.04 ug/ml



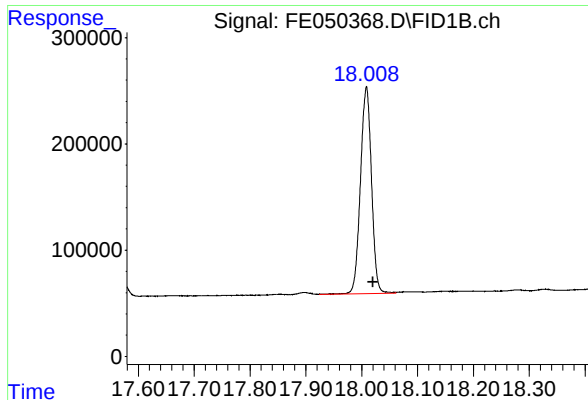
#15 n-Hexacosane (C26)

R.T.: 16.173 min  
Delta R.T.: -0.011 min  
Response: 2325068  
Conc: 18.17 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.121 min  
Delta R.T.: -0.012 min  
Response: 2418392  
Conc: 18.78 ug/ml



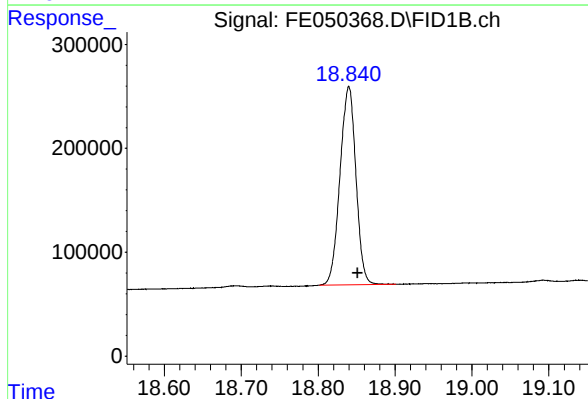
#17 n-Tricontane (C30)

R.T.: 18.008 min  
Delta R.T.: -0.012 min  
Response: 2668951  
Conc: 19.96 ug/ml

Instrument :  
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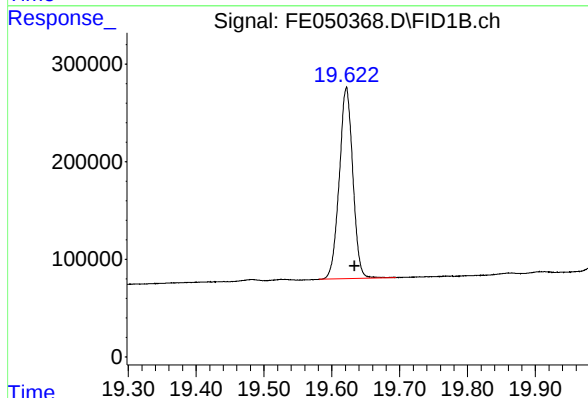
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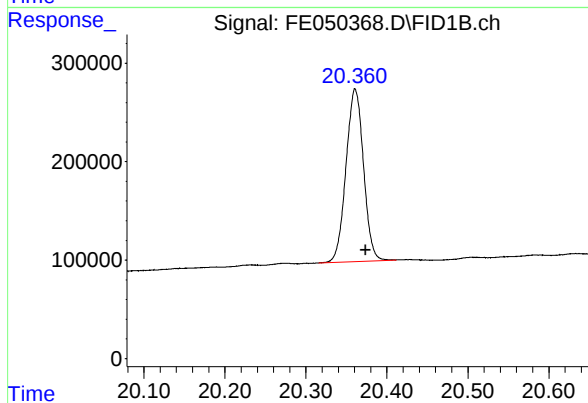
#18 n-Dotriacontane (C32)

R.T.: 18.840 min  
Delta R.T.: -0.011 min  
Response: 2744803  
Conc: 20.60 ug/ml



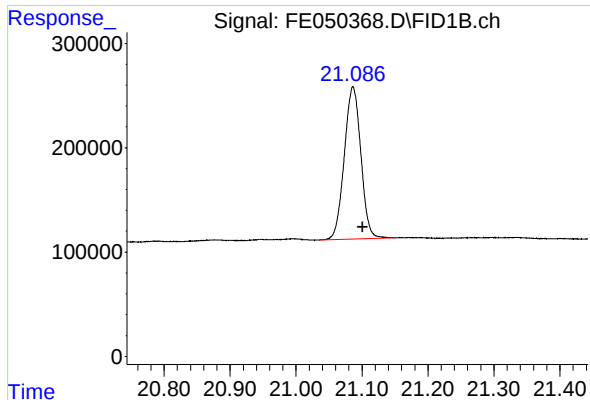
#19 n-Tetratriacontane (C34)

R.T.: 19.621 min  
Delta R.T.: -0.012 min  
Response: 2719358  
Conc: 22.01 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.360 min  
Delta R.T.: -0.014 min  
Response: 2641333  
Conc: 23.81 ug/ml m



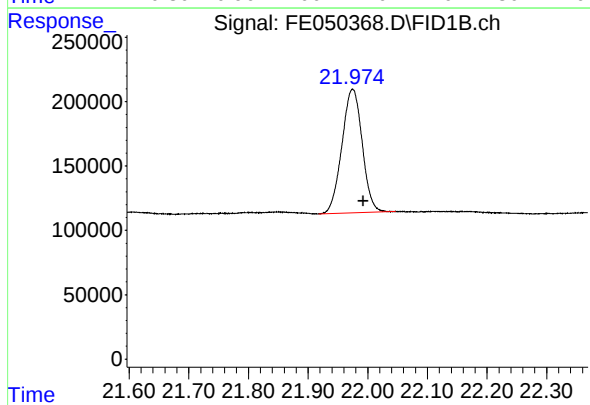
#21 n-Octatriacontane (C38)

R.T.: 21.086 min  
Delta R.T.: -0.015 min  
Response: 2549731  
Conc: 23.12 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.974 min  
Delta R.T.: -0.019 min  
Response: 2278450  
Conc: 20.94 ug/ml m