

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE080824AL\  
 Data File : FE049516.D  
 Signal(s) : FID1B.ch  
 Acq On : 08 Aug 2024 14:08  
 Operator : YP\AJ  
 Sample : PB162575BS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

**Instrument :**

FID\_E

**ClientSampleId :**

PB162575BS

**Manual Integrations****APPROVED**

Reviewed By :Yogesh Patel 08/09/2024

Supervised By :Ankita Jodhani 08/09/2024

Integration File: sample.E

Quant Time: Aug 08 16:33:56 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 071724.M

Quant Title : GC Extractables

QLast Update : Wed Jul 17 14:26:40 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)    | 11.892 | 6309352    | 40.678 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 81.36%        |
| 12) S 1-chlorooctadecane (S... | 13.326 | 5037416    | 43.115 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 86.23%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.292  | 7362656    | 48.958 ug/ml  |
| 2) T n-Decane (C10)            | 4.538  | 7927273    | 51.325 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.239  | 9175376    | 58.891 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.699  | 8165734    | 53.031 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.334  | 9105492    | 62.568 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.528  | 8669217    | 57.119 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.133 | 8716866    | 57.478 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.575 | 8667714    | 57.088 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.884 | 8609413    | 59.536 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.494 | 8377897    | 59.079 ug/ml  |
| 13) T n-Docosane (C22)         | 14.080 | 8250623    | 58.726 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.176 | 16100997   | 114.883 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.204 | 8194458    | 58.439 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.150 | 8905367    | 63.625 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.039 | 8332814    | 57.124 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.867 | 8353270    | 56.810 ug/mlm |
| 19) T n-Tetratriacontane (C34) | 19.651 | 8459916    | 57.917 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.390 | 8375886    | 58.102 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.118 | 8702071    | 58.134 ug/ml  |
| 22) T n-Tetracontane (C40)     | 22.014 | 8397260    | 55.646 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta &gt; 1/2 Window

(m)=manual int.

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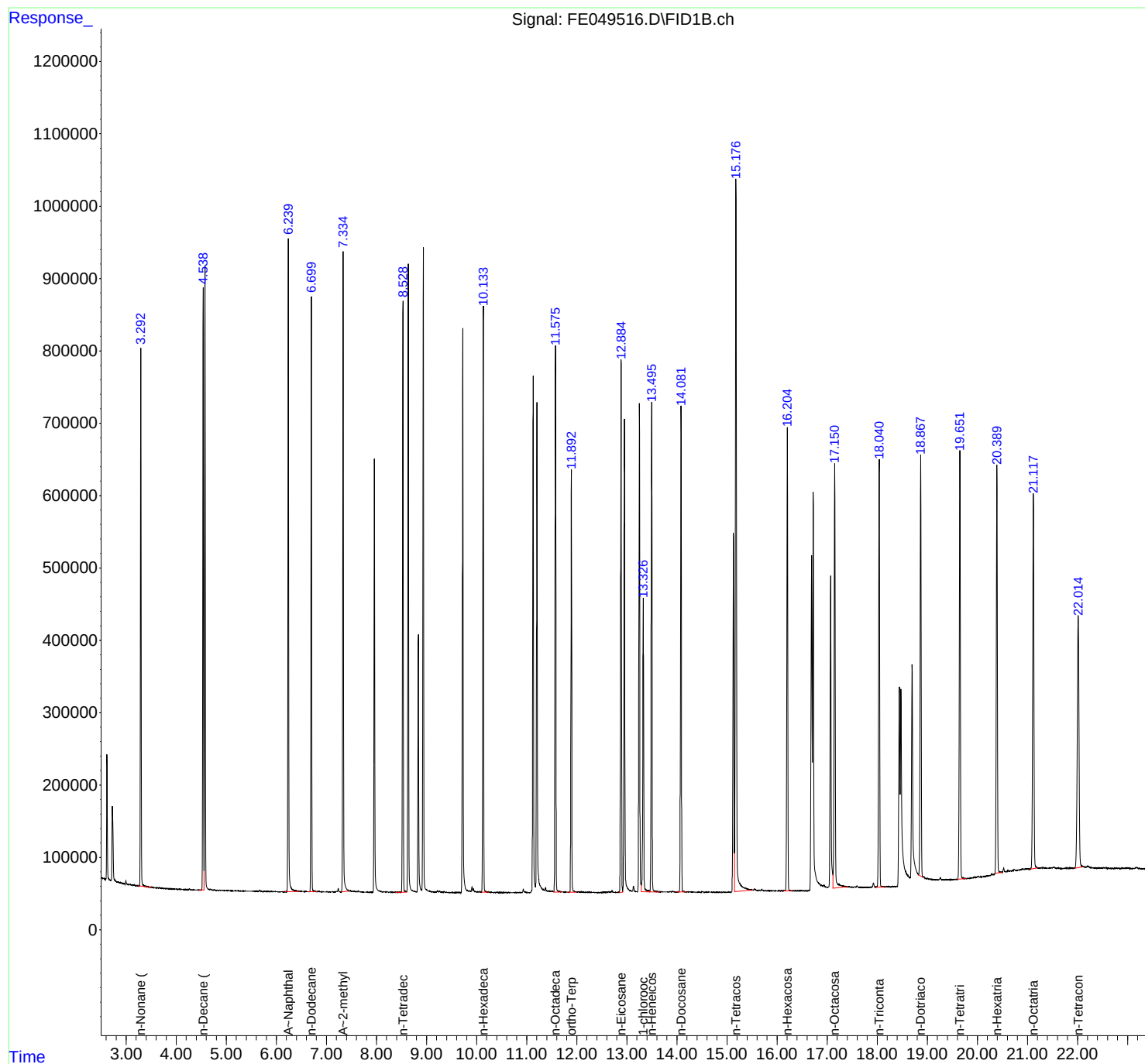
Response via : Initial Calibration

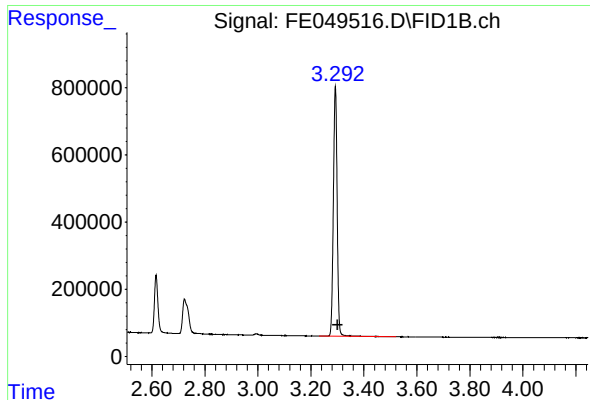
Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 3.292 min  
Delta R.T.: -0.009 min  
Response: 7362656  
Conc: 48.96 ug/ml

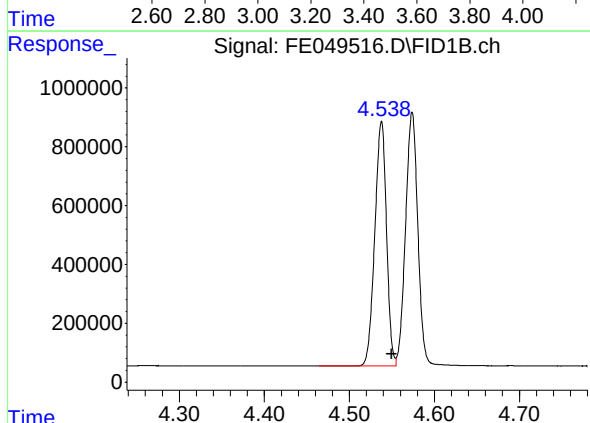
Instrument :

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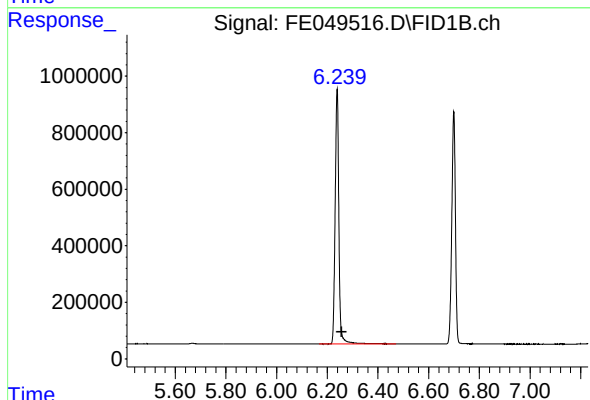
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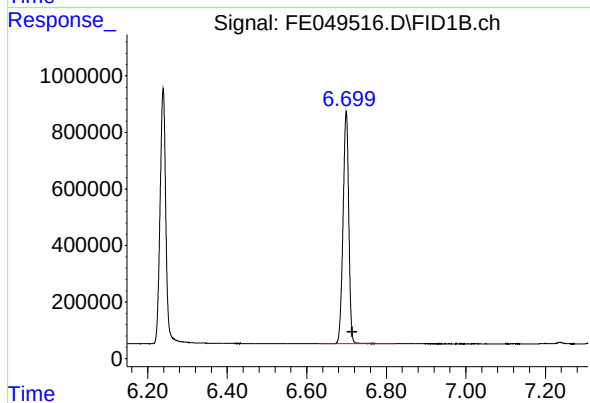
#2 n-Decane (C10)

R.T.: 4.538 min  
Delta R.T.: -0.012 min  
Response: 7927273  
Conc: 51.33 ug/ml



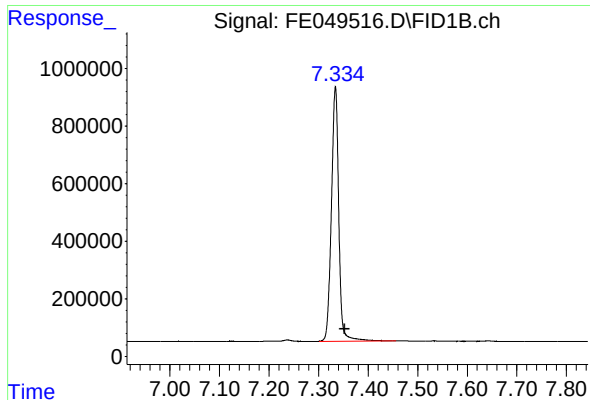
#3 A~Naphthalene (C11.7)

R.T.: 6.239 min  
Delta R.T.: -0.018 min  
Response: 9175376  
Conc: 58.89 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.699 min  
Delta R.T.: -0.016 min  
Response: 8165734  
Conc: 53.03 ug/ml



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

R.T.: 7.334 min  
Delta R.T.: -0.019 min  
Response: 9105492  
Conc: 62.57 ug/ml

Instrument :

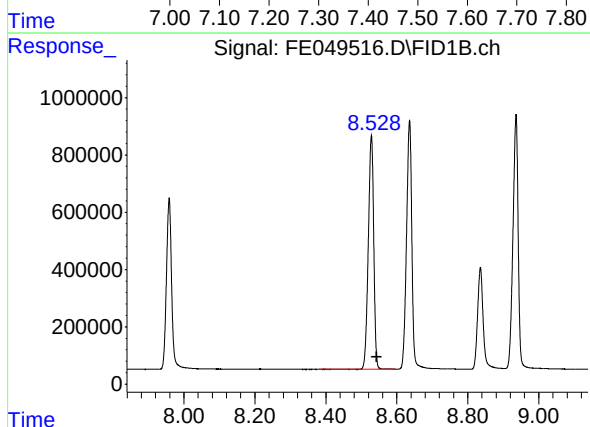
FID\_E

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PB162575BS

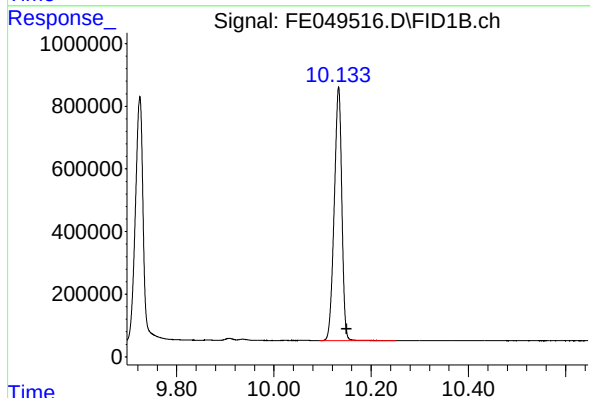
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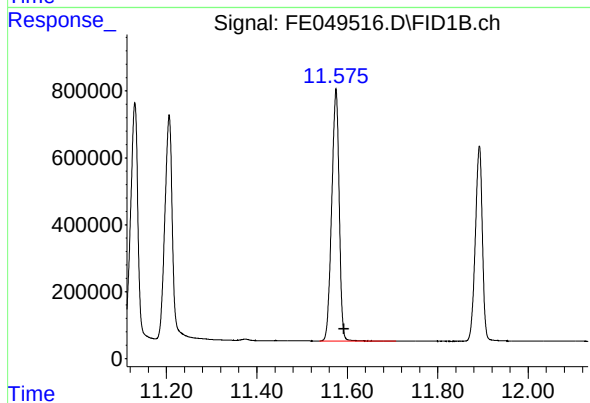
#6 n-Tetradecane (C14)

R.T.: 8.528 min  
Delta R.T.: -0.015 min  
Response: 8669217  
Conc: 57.12 ug/ml



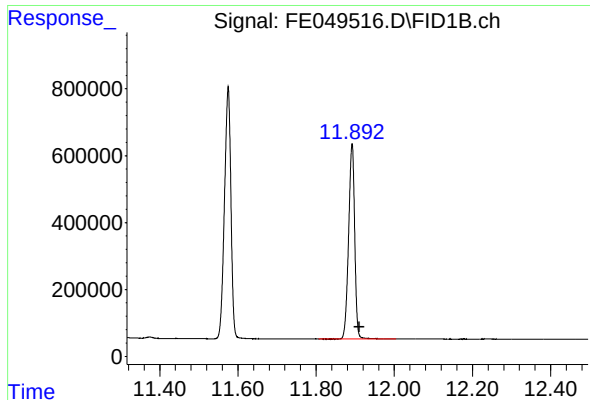
#7 n-Hexadecane (C16)

R.T.: 10.133 min  
Delta R.T.: -0.017 min  
Response: 8716866  
Conc: 57.48 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.575 min  
Delta R.T.: -0.018 min  
Response: 8667714  
Conc: 57.09 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 11.892 min  
Delta R.T.: -0.019 min  
Response: 6309352  
Conc: 40.68 ug/ml

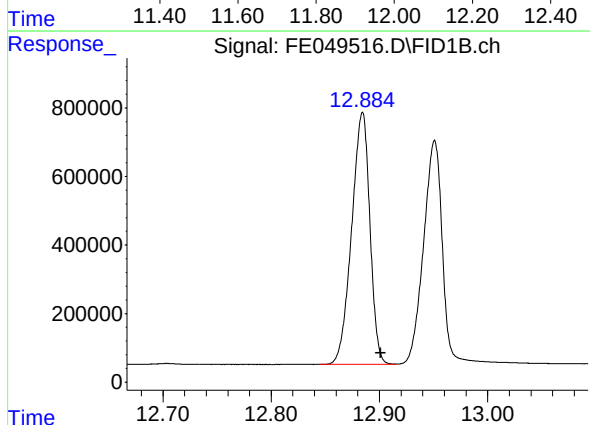
Instrument :

FID\_E

ClientSampleId :  
PB162575BS

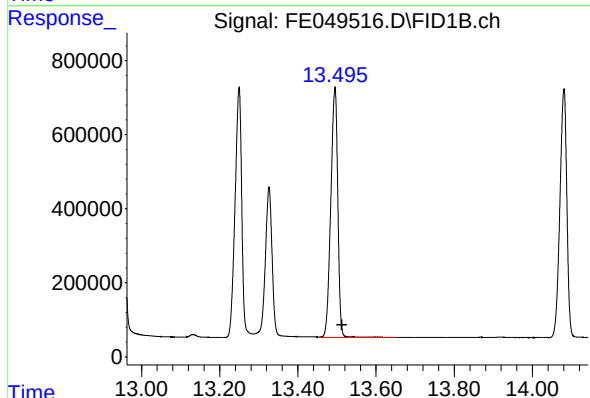
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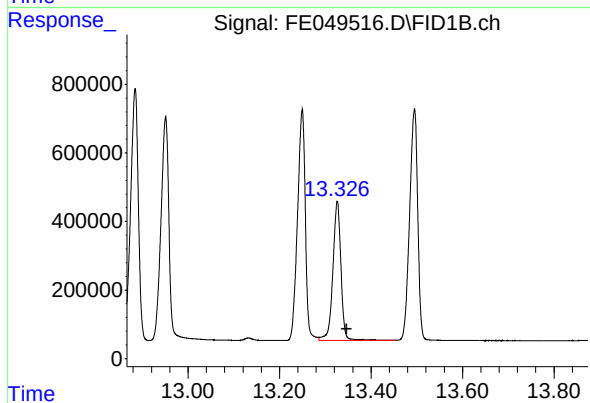
#10 n-Eicosane (C20)

R.T.: 12.884 min  
Delta R.T.: -0.017 min  
Response: 8609413  
Conc: 59.54 ug/ml



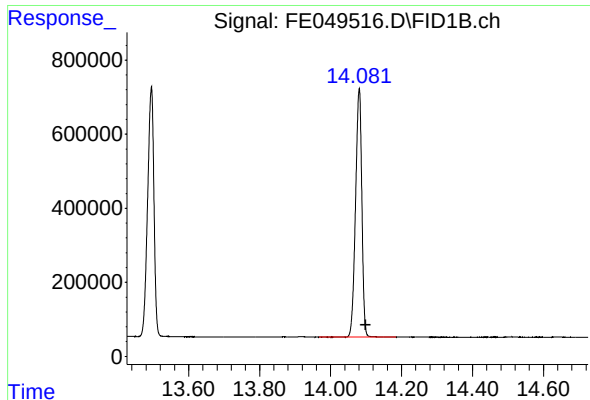
#11 n-Heneicosane (C21)

R.T.: 13.494 min  
Delta R.T.: -0.019 min  
Response: 8377897  
Conc: 59.08 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.326 min  
Delta R.T.: -0.020 min  
Response: 5037416  
Conc: 43.12 ug/ml



#13 n-Docosane (C22)

R.T.: 14.080 min  
Delta R.T.: -0.019 min  
Response: 8250623  
Conc: 58.73 ug/ml

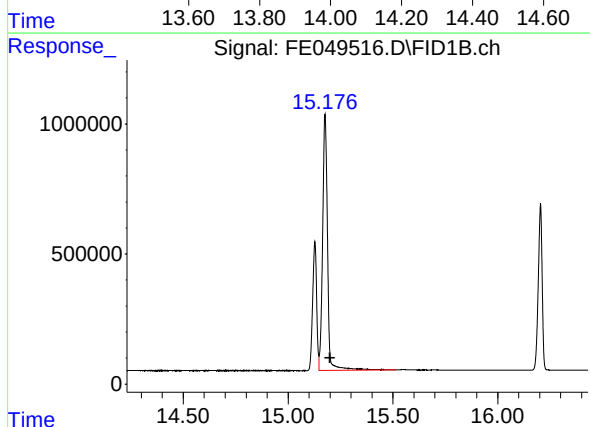
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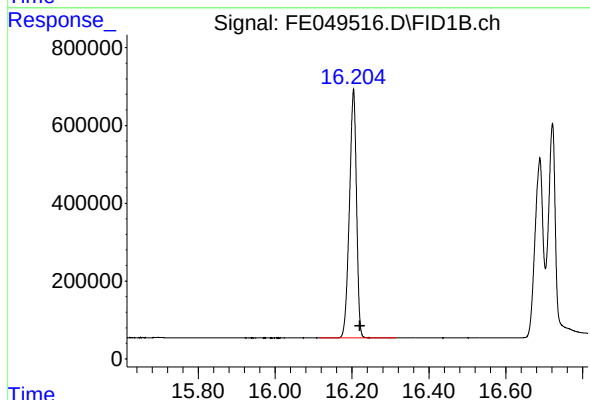
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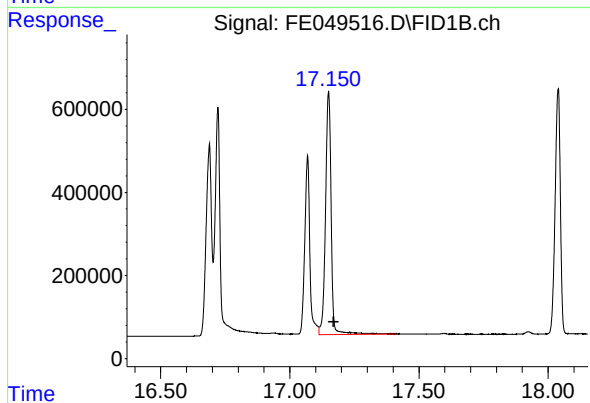
#14 n-Tetracosane (C24)

R.T.: 15.176 min  
Delta R.T.: -0.024 min  
Response: 16100997  
Conc: 114.88 ug/ml



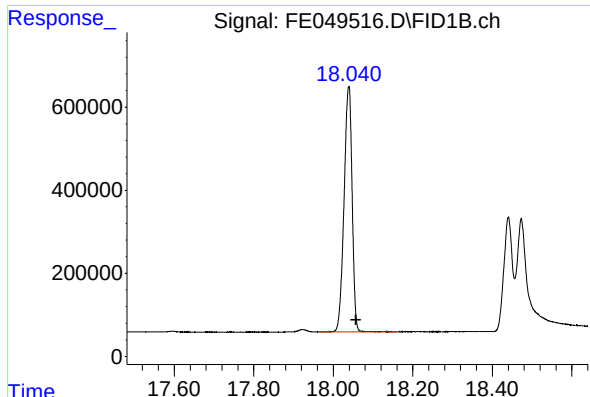
#15 n-Hexacosane (C26)

R.T.: 16.204 min  
Delta R.T.: -0.017 min  
Response: 8194458  
Conc: 58.44 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.150 min  
Delta R.T.: -0.020 min  
Response: 8905367  
Conc: 63.62 ug/ml



#17 n-Tricontane (C30)

R.T.: 18.039 min  
Delta R.T.: -0.018 min  
Response: 8332814  
Conc: 57.12 ug/ml

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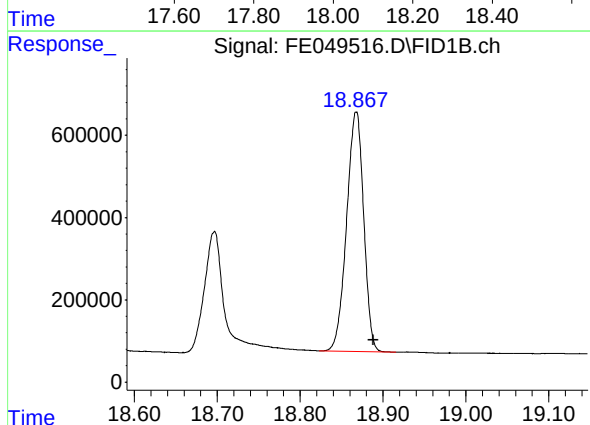
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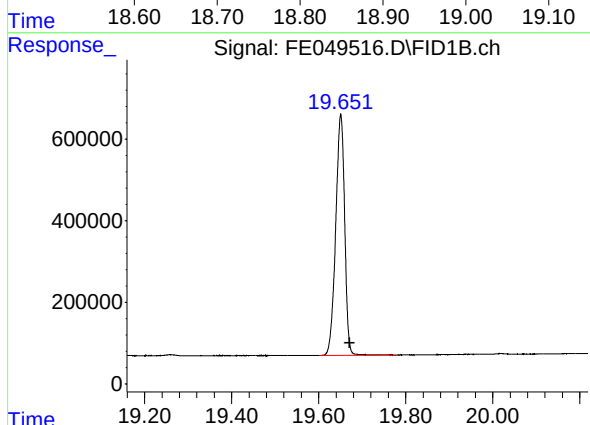
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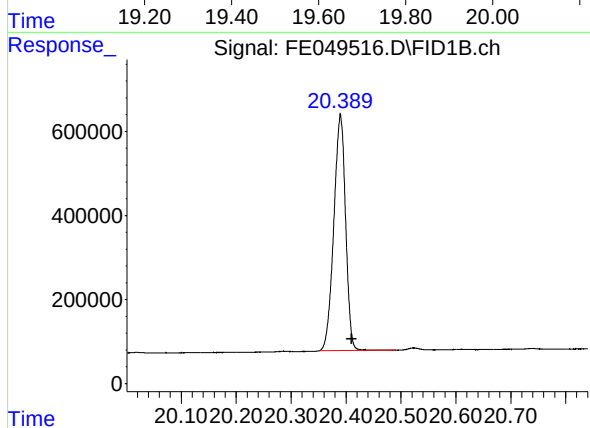
#18 n-Dotriacontane (C32)

R.T.: 18.867 min  
Delta R.T.: -0.021 min  
Response: 8353270  
Conc: 56.81 ug/ml



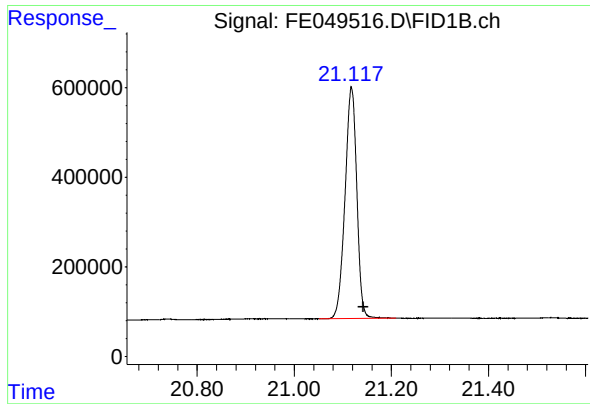
#19 n-Tetratriacontane (C34)

R.T.: 19.651 min  
Delta R.T.: -0.020 min  
Response: 8459916  
Conc: 57.92 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.390 min  
Delta R.T.: -0.021 min  
Response: 8375886  
Conc: 58.10 ug/ml



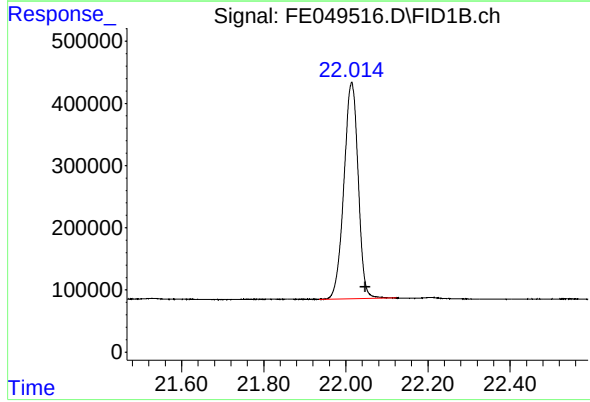
#21 n-Octatriacontane (C38)

R.T.: 21.118 min  
Delta R.T.: -0.024 min  
Response: 8702071  
Conc: 58.13 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.014 min  
Delta R.T.: -0.033 min  
Response: 8397260  
Conc: 55.65 ug/ml m