

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE020824AL\  
 Data File : FE046640.D  
 Signal(s) : FID1B.ch  
 Acq On : 08 Feb 2024 16:25  
 Operator : YP\AJ  
 Sample : PB158901BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

**Instrument :**

FID\_E

**ClientSampleId :**

PB158901BS

**Manual Integrations****APPROVED**

Reviewed By :Yogesh Patel 02/12/2024

Supervised By :Ankita Jodhani 02/12/2024

Integration File: autoint1.e

Quant Time: Feb 09 02:39:29 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 012524.M

Quant Title : GC Extractables

QLast Update : Thu Jan 25 14:56:03 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)    | 11.811 | 7004025    | 37.878 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 75.76%        |
| 12) S 1-chlorooctadecane (S... | 13.253 | 6146215    | 43.199 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 86.40%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.215  | 6255773    | 38.729 ug/ml  |
| 2) T n-Decane (C10)            | 4.458  | 6393516    | 39.012 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.156  | 7264306    | 42.482 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.619  | 6810209    | 41.171 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.250  | 7128519    | 44.695 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.445  | 7003437    | 42.731 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.053 | 7137711    | 41.770 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.497 | 7376963    | 42.314 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.809 | 7337000    | 43.213 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.420 | 7053918    | 42.292 ug/ml  |
| 13) T n-Docosane (C22)         | 14.006 | 6924582    | 41.798 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.111 | 15735586   | 95.365 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.134 | 6644530    | 41.168 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.084 | 8767188    | 55.849 ug/mlm |
| 17) T n-Tricontane (C30)       | 17.973 | 6520545    | 41.630 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.808 | 7225077    | 47.798 ug/mlm |
| 19) T n-Tetratriacontane (C34) | 19.590 | 6173403    | 43.525 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 20.333 | 5943567    | 43.119 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 21.059 | 6107213    | 47.640 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.941 | 6168206    | 49.331 ug/mlm |
| -----                          |        |            |               |

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

(m)=manual int.

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Acq On : 08 Feb 2024 16:25  
Operator : YP\AJ  
Sample : PB158901BS  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

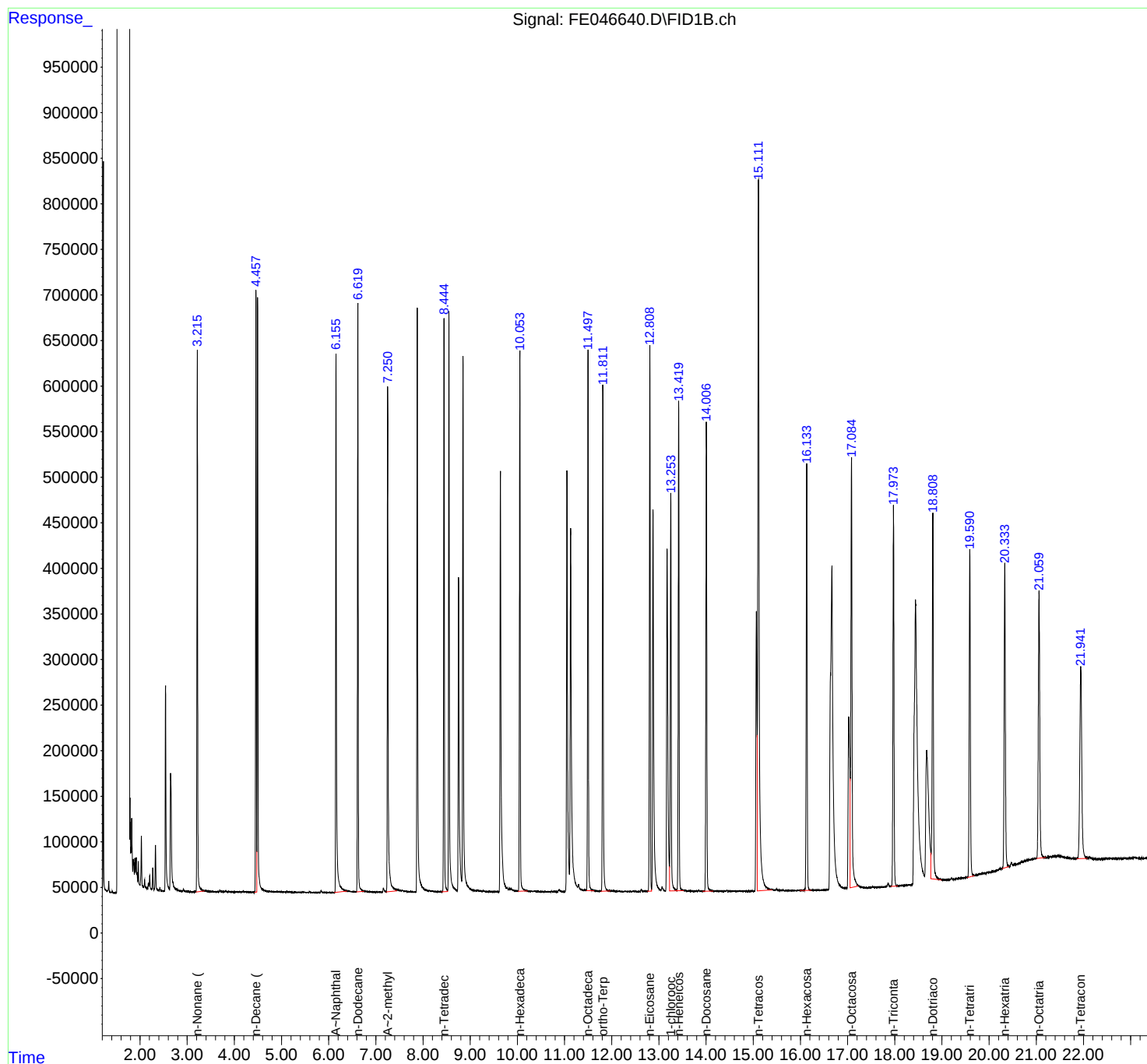
Instrument :  
FID\_E  
ClientSampleId :  
PB158901BS

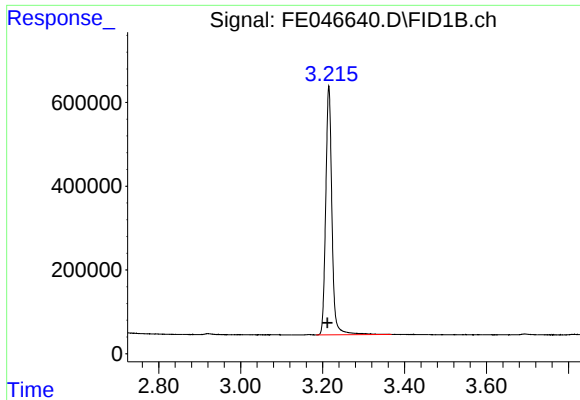
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 02/12/2024  
Supervised By :Ankita Jodhani 02/12/2024

Integration File: autoint1.e  
Quant Time: Feb 09 02:39:29 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 012524.M  
Quant Title : GC Extractables  
QLast Update : Thu Jan 25 14:56:03 2024  
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.: 3.215 min  
Delta R.T.: 0.003 min  
Response: 6255773  
Conc: 38.73 ug/ml

Instrument :

FID\_E

ClientSampleId :

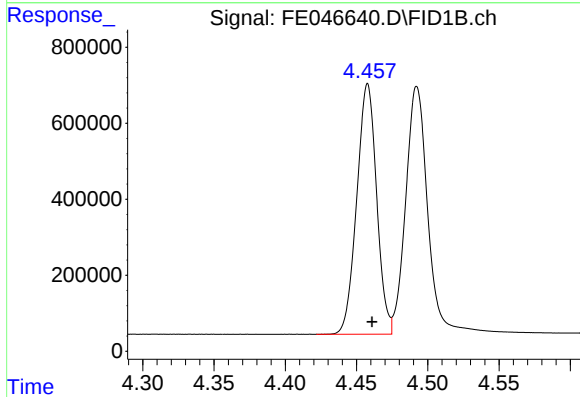
PB158901BS

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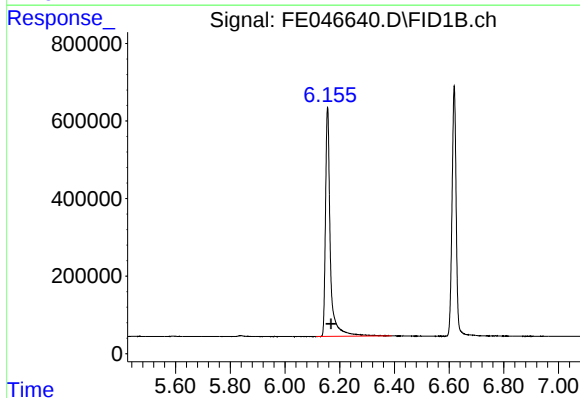
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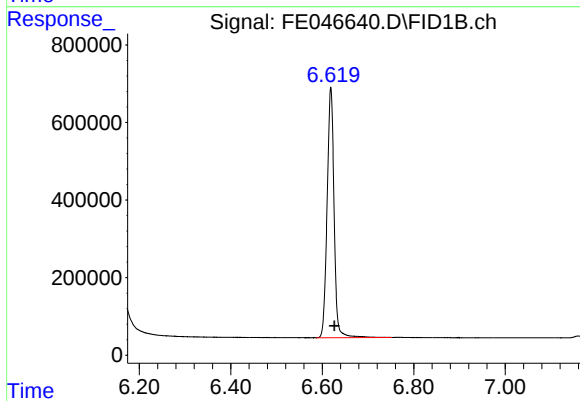
#2 n-Decane (C10)

R.T.: 4.458 min  
Delta R.T.: -0.003 min  
Response: 6393516  
Conc: 39.01 ug/ml



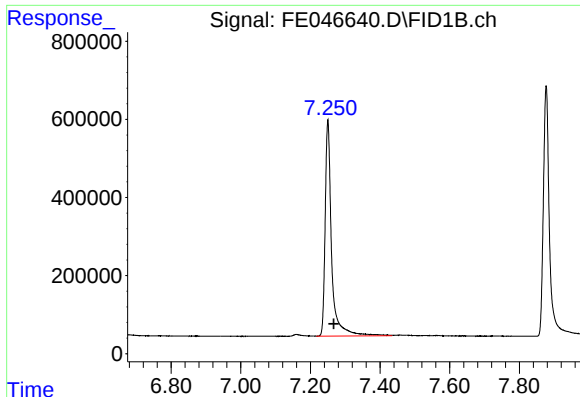
#3 A~Naphthalene (C11.7)

R.T.: 6.156 min  
Delta R.T.: -0.013 min  
Response: 7264306  
Conc: 42.48 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.619 min  
Delta R.T.: -0.008 min  
Response: 6810209  
Conc: 41.17 ug/ml



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

R.T.: 7.250 min  
Delta R.T.: -0.017 min  
Response: 7128519  
Conc: 44.70 ug/ml

Instrument :

FID\_E

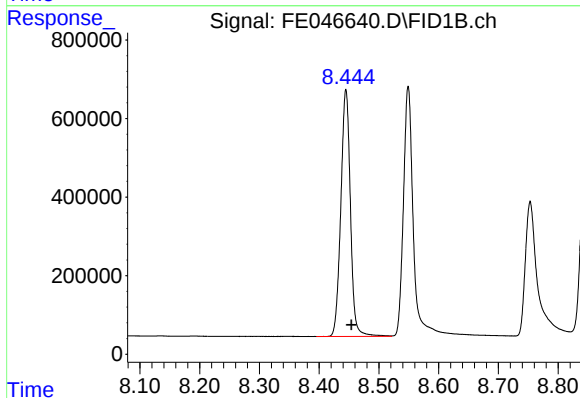
ClientSampleId :

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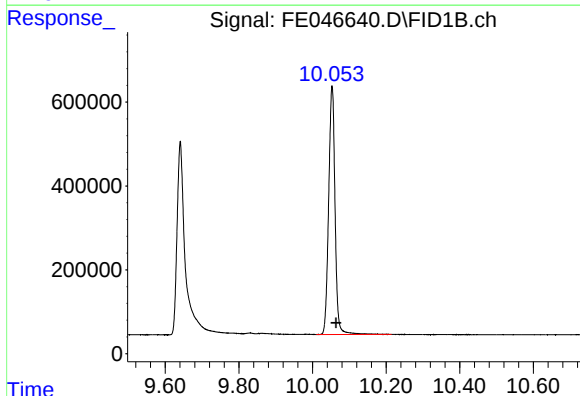
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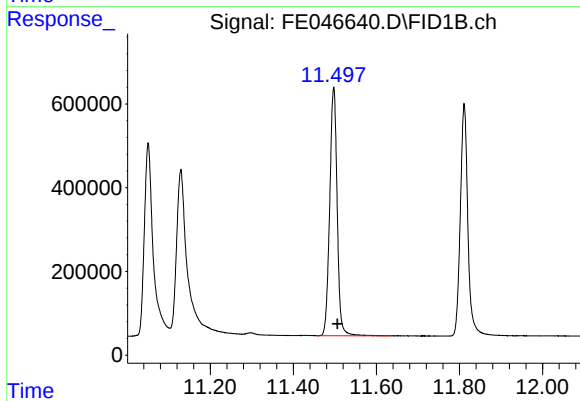
#6 n-Tetradecane (C14)

R.T.: 8.445 min  
Delta R.T.: -0.009 min  
Response: 7003437  
Conc: 42.73 ug/ml



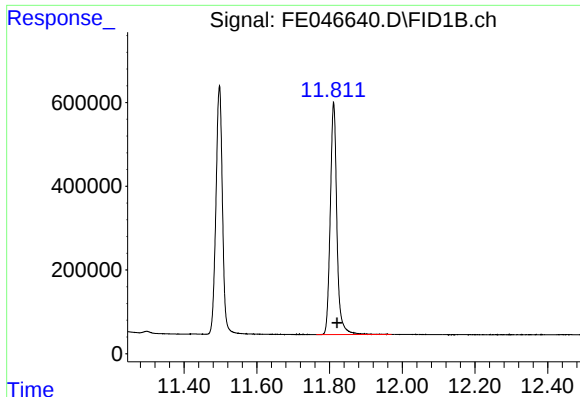
#7 n-Hexadecane (C16)

R.T.: 10.053 min  
Delta R.T.: -0.011 min  
Response: 7137711  
Conc: 41.77 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.497 min  
Delta R.T.: -0.009 min  
Response: 7376963  
Conc: 42.31 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 11.811 min  
Delta R.T.: -0.009 min  
Response: 7004025  
Conc: 37.88 ug/ml

Instrument :

FID\_E

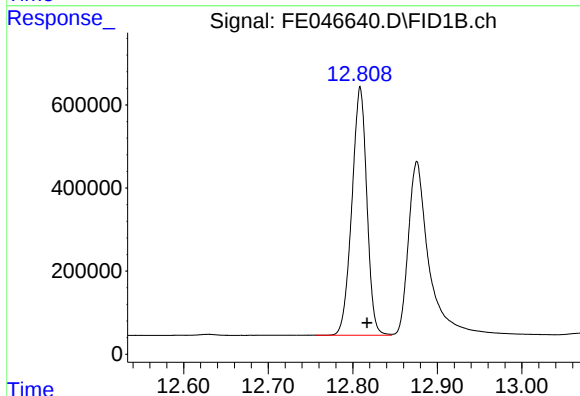
ClientSampleId :

PB158901BS

Manual Integrations

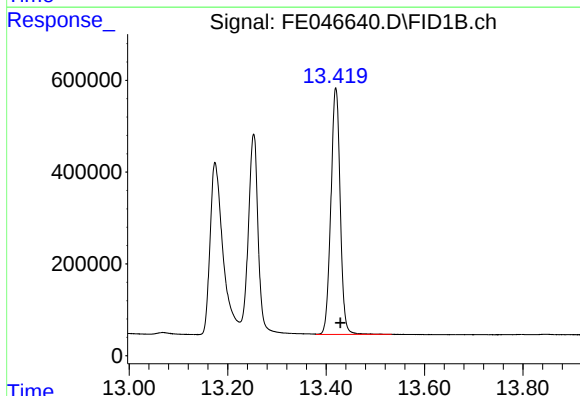
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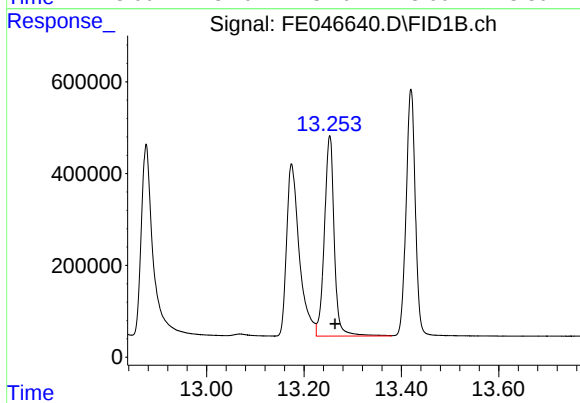
#10 n-Eicosane (C20)

R.T.: 12.809 min  
Delta R.T.: -0.008 min  
Response: 7337000  
Conc: 43.21 ug/ml



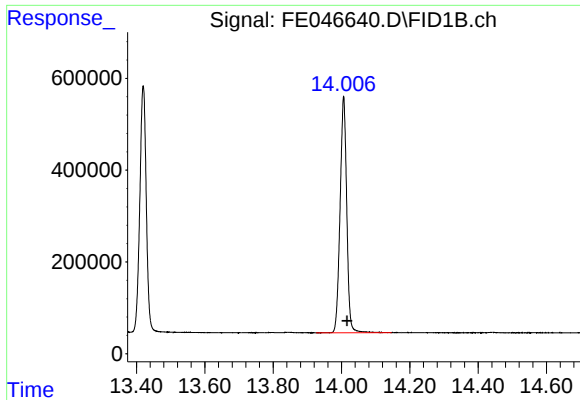
#11 n-Heneicosane (C21)

R.T.: 13.420 min  
Delta R.T.: -0.009 min  
Response: 7053918  
Conc: 42.29 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.253 min  
Delta R.T.: -0.011 min  
Response: 6146215  
Conc: 43.20 ug/ml



#13 n-Docosane (C22)

R.T.: 14.006 min  
Delta R.T.: -0.010 min  
Response: 6924582  
Conc: 41.80 ug/ml

Instrument :

FID\_E

ClientSampleId :

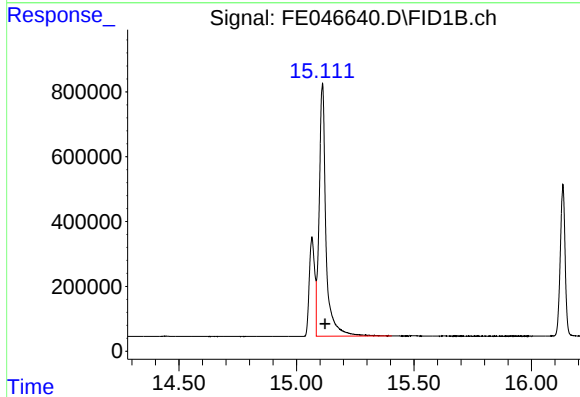
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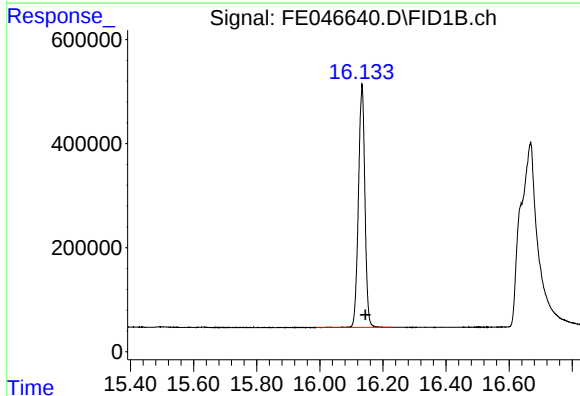
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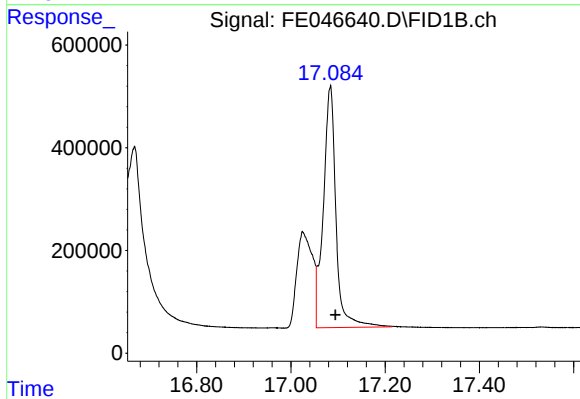
#14 n-Tetracosane (C24)

R.T.: 15.111 min  
Delta R.T.: -0.010 min  
Response: 15735586  
Conc: 95.37 ug/ml



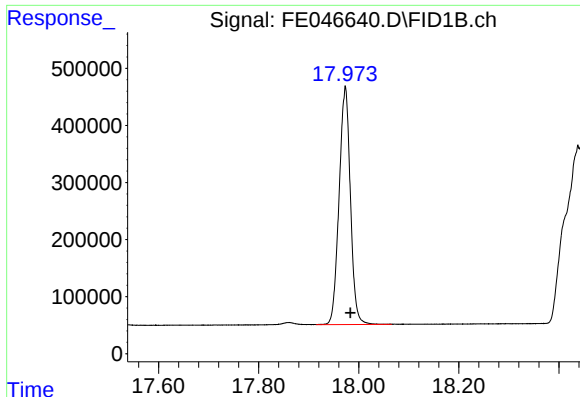
#15 n-Hexacosane (C26)

R.T.: 16.134 min  
Delta R.T.: -0.010 min  
Response: 6644530  
Conc: 41.17 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.084 min  
Delta R.T.: -0.010 min  
Response: 8767188  
Conc: 55.85 ug/ml m



#17 n-Tricontane (C30)

R.T.: 17.973 min  
Delta R.T.: -0.010 min  
Response: 6520545  
Conc: 41.63 ug/ml

Instrument :

FID\_E

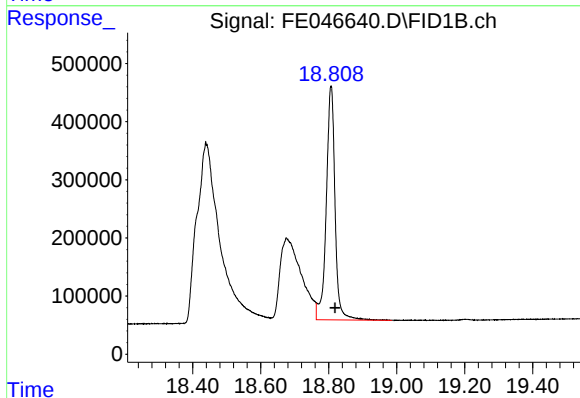
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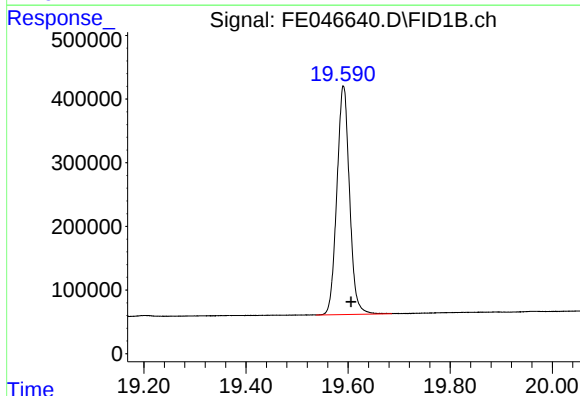
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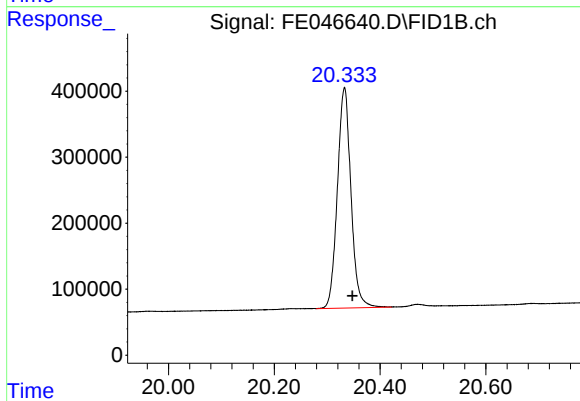
#18 n-Dotriacontane (C32)

R.T.: 18.808 min  
Delta R.T.: -0.011 min  
Response: 7225077  
Conc: 47.80 ug/ml m



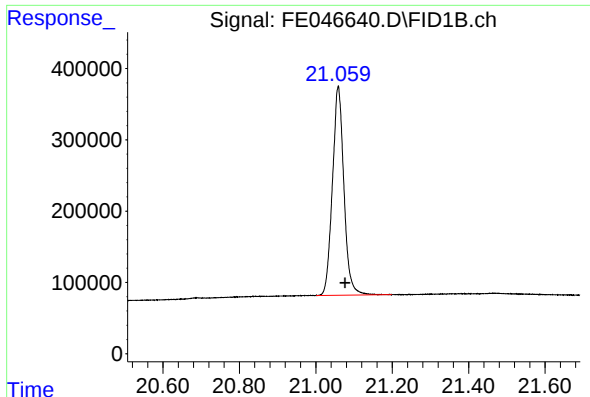
#19 n-Tetratriacontane (C34)

R.T.: 19.590 min  
Delta R.T.: -0.016 min  
Response: 6173403  
Conc: 43.53 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.333 min  
Delta R.T.: -0.015 min  
Response: 5943567  
Conc: 43.12 ug/ml m



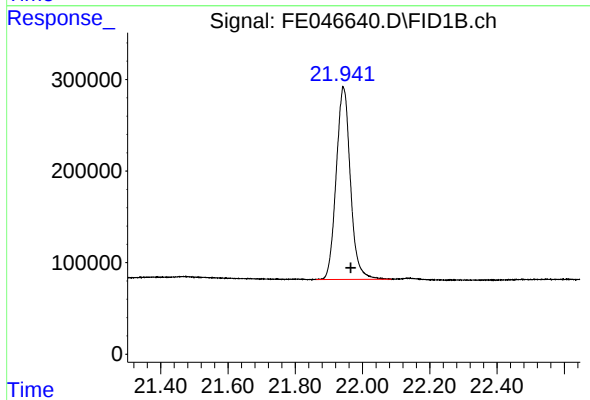
#21 n-Octatriacontane (C38)

R.T.: 21.059 min  
Delta R.T.: -0.018 min  
Response: 6107213  
Conc: 47.64 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.941 min  
Delta R.T.: -0.024 min  
Response: 6168206  
Conc: 49.33 ug/ml m