

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE053025AL\  
 Data File : FE054098.D  
 Signal(s) : FID1B.ch  
 Acq On : 30 May 2025 15:02  
 Operator : YP\AJ  
 Sample : PB168210BS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

**Instrument :**

FID\_E

**ClientSampleId :**

PB168210BS

**Manual Integrations****APPROVED**

Reviewed By :Yogesh Patel 06/02/2025

Supervised By :mohammad ahmed 06/03/2025

Integration File: autoint1.e

Quant Time: May 30 22:55:14 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 051425.M

Quant Title : GC Extractables

QLast Update : Wed May 14 12:15:41 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)    | 11.842 | 6450287    | 39.691 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 79.38%        |
| 12) S 1-chlorooctadecane (S... | 13.287 | 5248938    | 44.276 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 88.55%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.193  | 4682869    | 34.649 ug/ml  |
| 2) T n-Decane (C10)            | 4.453  | 4899463    | 36.257 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.164  | 6036135    | 42.001 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.632  | 5233816    | 38.369 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.266  | 5622873    | 40.537 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.468  | 5365617    | 39.760 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.079 | 5528606    | 40.973 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.528 | 5565045    | 41.327 ug/mlm |
| 10) T n-Eicosane (C20)         | 12.842 | 5717262    | 43.501 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.455 | 5462187    | 42.132 ug/ml  |
| 13) T n-Docosane (C22)         | 14.042 | 5417731    | 42.467 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.141 | 11270958   | 90.084 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.173 | 5251077    | 42.883 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.123 | 5370088    | 44.175 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.014 | 5157298    | 41.403 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.846 | 5070540    | 40.547 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.633 | 5228175    | 43.889 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.374 | 5361472    | 46.304 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.104 | 5526477    | 50.783 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.998 | 5375786    | 54.175 ug/ml  |
| -----                          |        |            |               |

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

(m)=manual int.

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Acq On : 30 May 2025 15:02  
Operator : YP\AJ  
Sample : PB168210BS  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

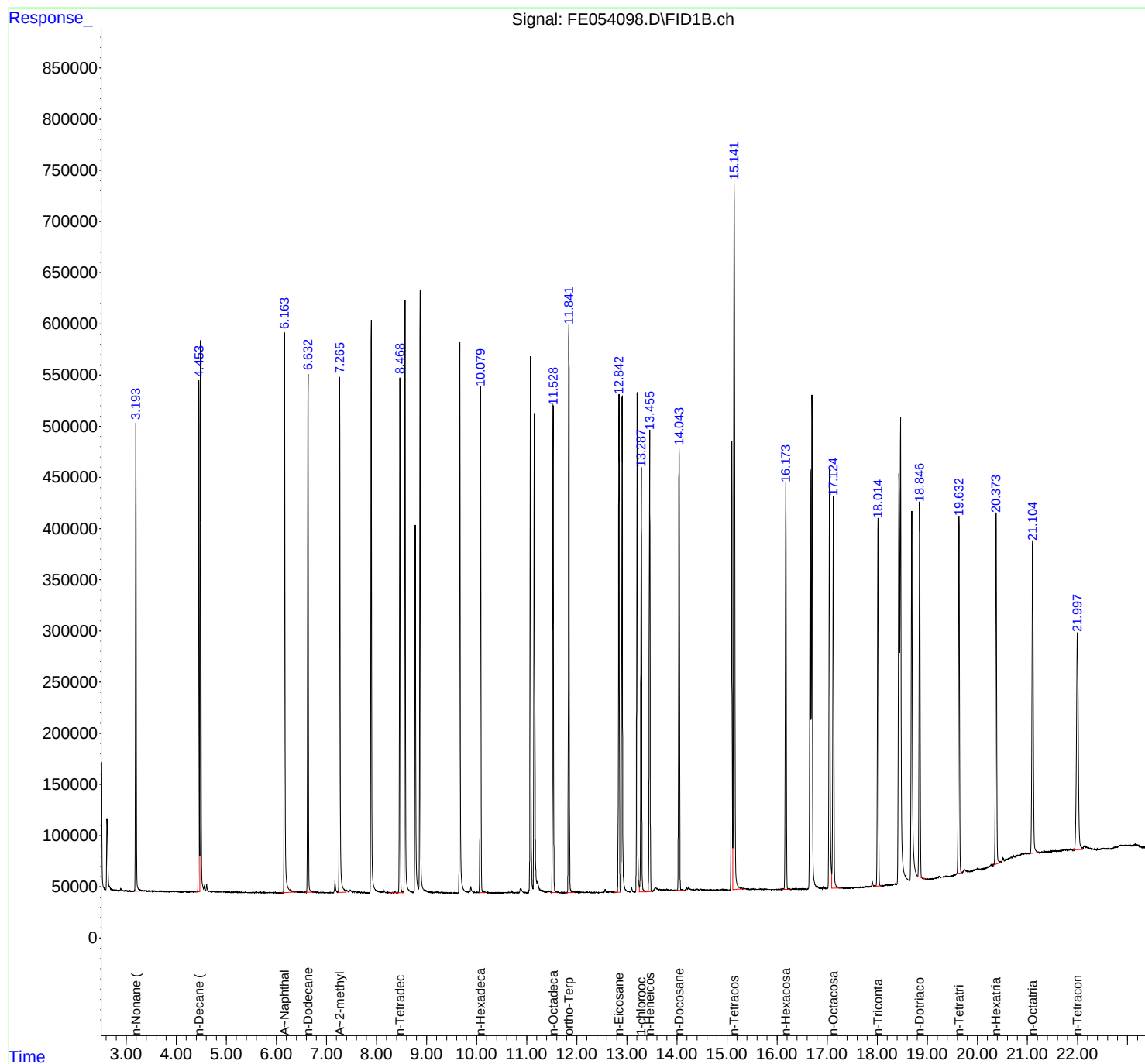
Instrument :  
FID\_E  
ClientSampleId :  
PB168210BS

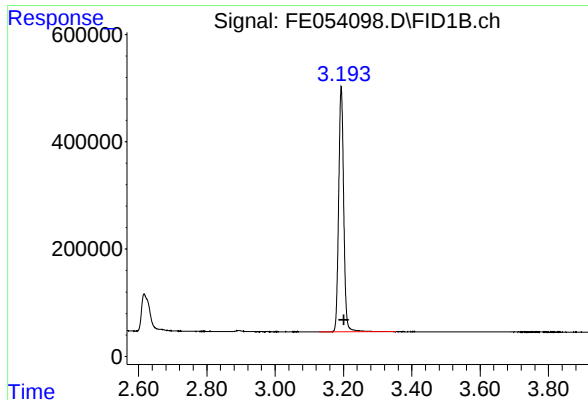
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 06/02/2025  
Supervised By :mohammad ahmed 06/03/2025

Integration File: autoint1.e  
Quant Time: May 30 22:55:14 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 051425.  
Quant Title : GC Extractables  
QLast Update : Wed May 14 12:15:41 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





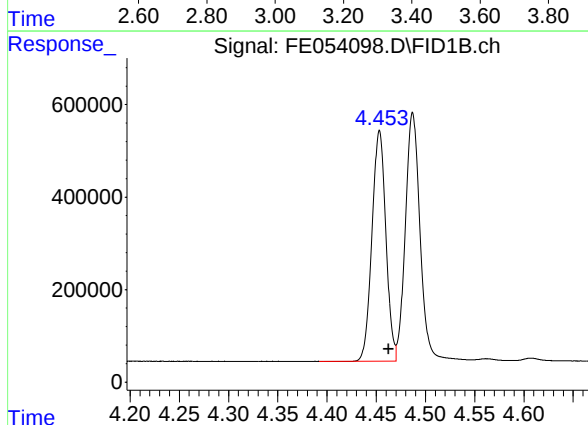
#1 n-Nonane (C9)

R.T.: 3.193 min  
Delta R.T.: -0.009 min  
Response: 4682869  
Conc: 34.65 ug/ml

Instrument :  
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ClientSampleId :  
PB168210BS

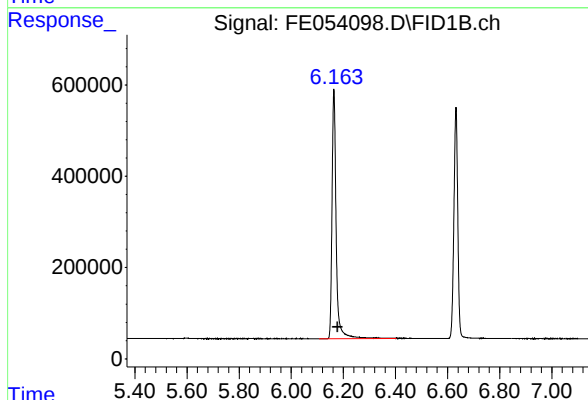
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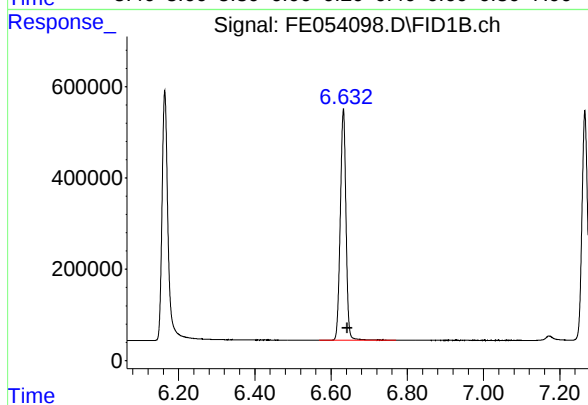
#2 n-Decane (C10)

R.T.: 4.453 min  
Delta R.T.: -0.009 min  
Response: 4899463  
Conc: 36.26 ug/ml



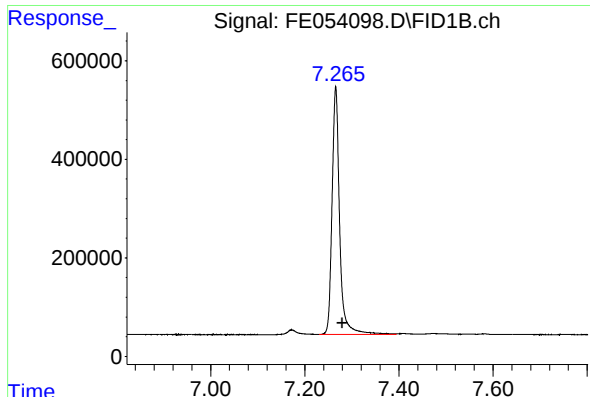
#3 A~Naphthalene (C11.7)

R.T.: 6.164 min  
Delta R.T.: -0.014 min  
Response: 6036135  
Conc: 42.00 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.632 min  
Delta R.T.: -0.010 min  
Response: 5233816  
Conc: 38.37 ug/ml



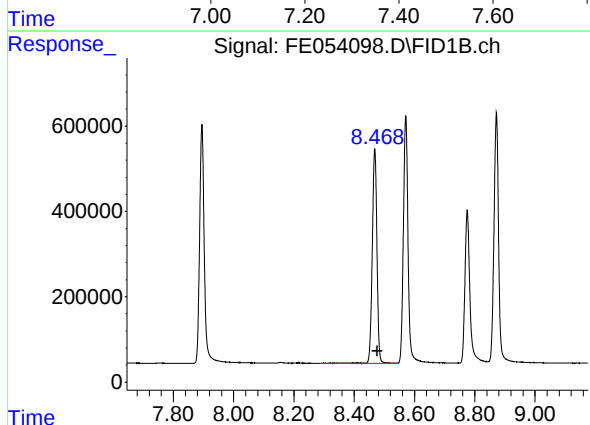
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.266 min  
Delta R.T.: -0.015 min  
Response: 5622873  
Conc: 40.54 ug/ml

Instrument :  
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ClientSampleId :  
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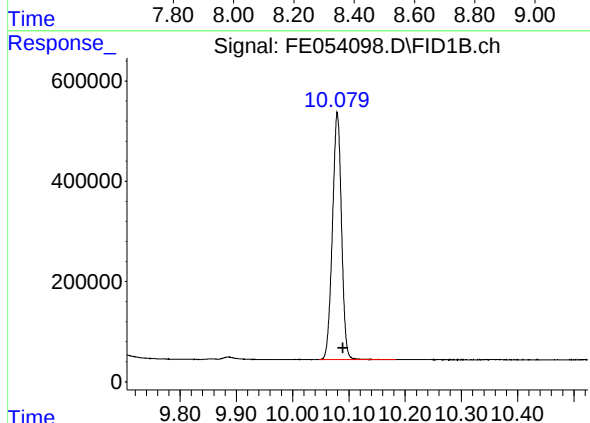
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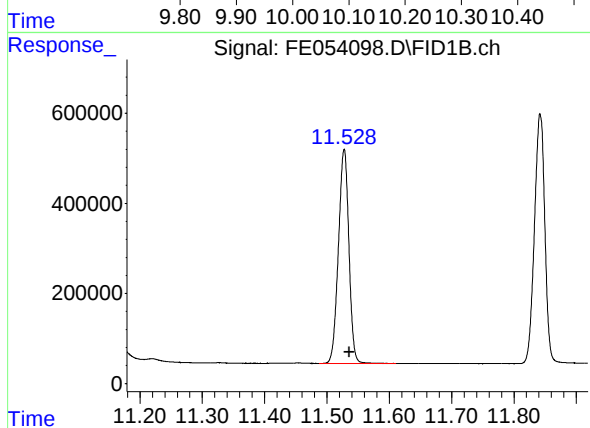
#6 n-Tetradecane (C14)

R.T.: 8.468 min  
Delta R.T.: -0.009 min  
Response: 5365617  
Conc: 39.76 ug/ml



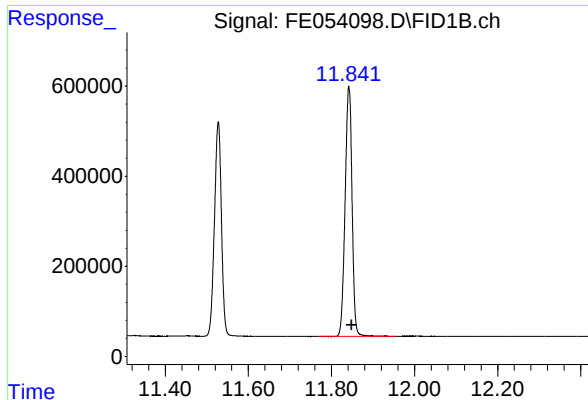
#7 n-Hexadecane (C16)

R.T.: 10.079 min  
Delta R.T.: -0.010 min  
Response: 5528606  
Conc: 40.97 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.528 min  
Delta R.T.: -0.008 min  
Response: 5565045  
Conc: 41.33 ug/ml m



#9 ortho-Terphenyl (SURR)

R.T.: 11.842 min  
Delta R.T.: -0.007 min  
Response: 6450287  
Conc: 39.69 ug/ml

Instrument :

FID\_E

ClientSampleId :

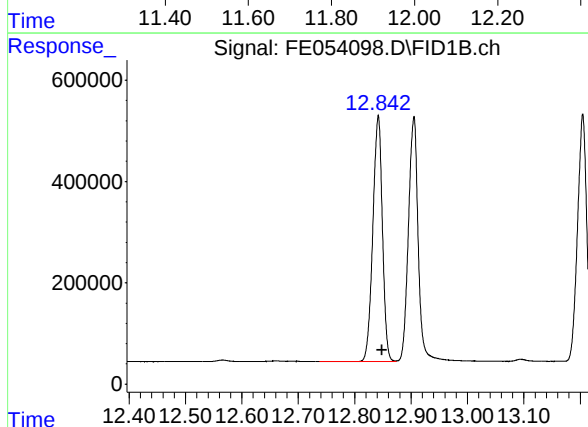
PB168210BS

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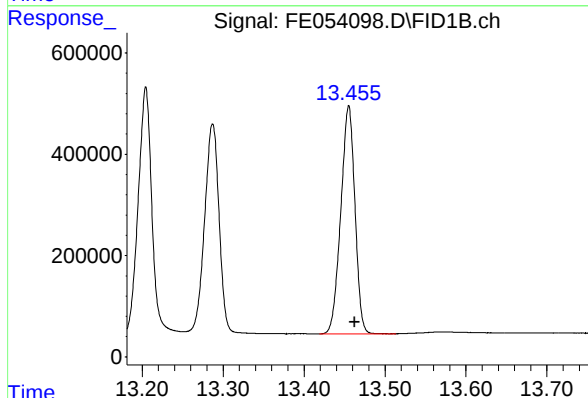
Reviewed By :Yogesh Patel 06/02/2025

Supervised By :mohammad ahmed 06/03/2025



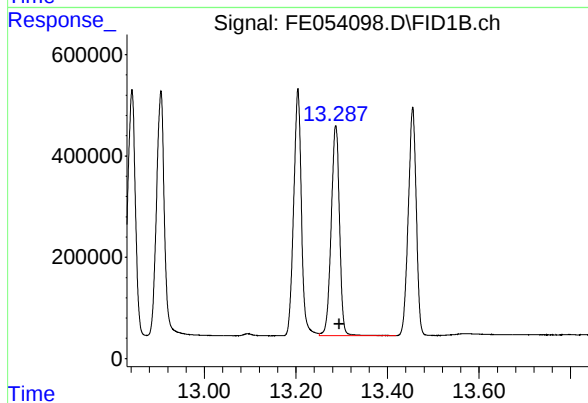
#10 n-Eicosane (C20)

R.T.: 12.842 min  
Delta R.T.: -0.007 min  
Response: 5717262  
Conc: 43.50 ug/ml



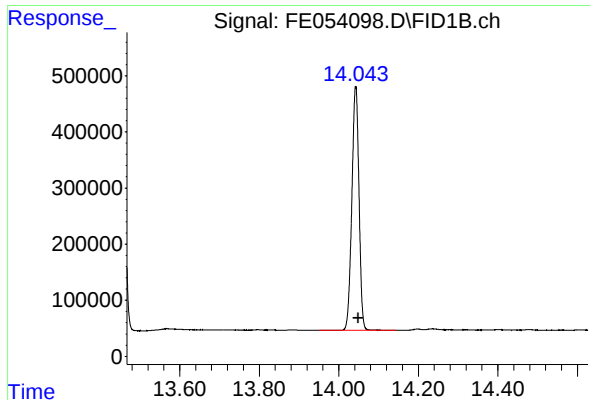
#11 n-Heneicosane (C21)

R.T.: 13.455 min  
Delta R.T.: -0.007 min  
Response: 5462187  
Conc: 42.13 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.287 min  
Delta R.T.: -0.008 min  
Response: 5248938  
Conc: 44.28 ug/ml



#13 n-Docosane (C22)

R.T.: 14.042 min  
Delta R.T.: -0.007 min  
Response: 5417731  
Conc: 42.47 ug/ml

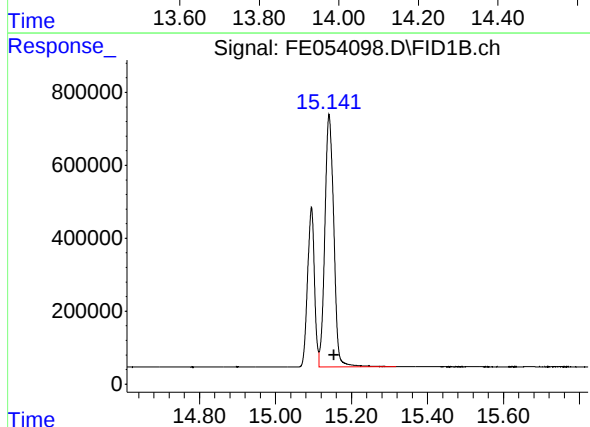
Instrument :

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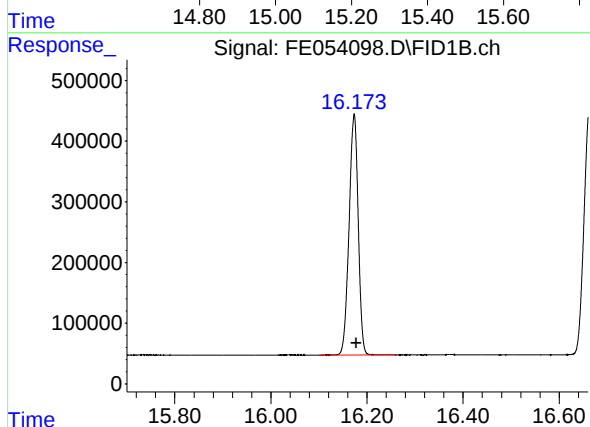
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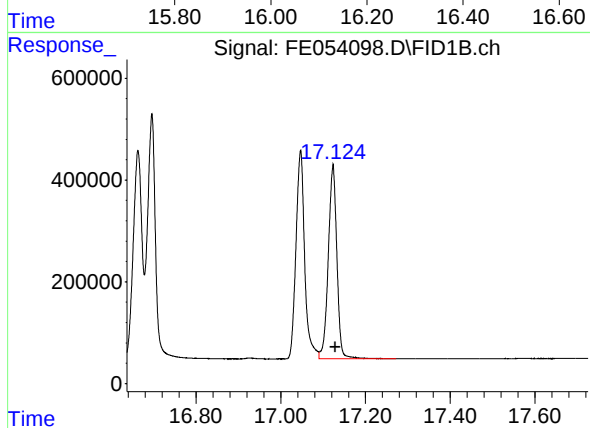
#14 n-Tetracosane (C24)

R.T.: 15.141 min  
Delta R.T.: -0.014 min  
Response: 11270958  
Conc: 90.08 ug/ml



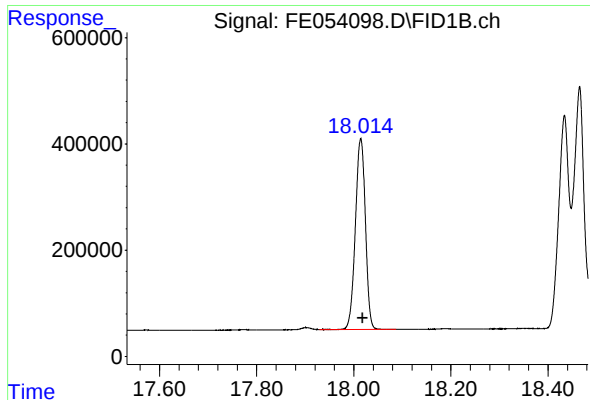
#15 n-Hexacosane (C26)

R.T.: 16.173 min  
Delta R.T.: -0.005 min  
Response: 5251077  
Conc: 42.88 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.123 min  
Delta R.T.: -0.006 min  
Response: 5370088  
Conc: 44.18 ug/ml



#17 n-Tricontane (C30)

R.T.: 18.014 min  
Delta R.T.: -0.003 min  
Response: 5157298  
Conc: 41.40 ug/ml

Instrument :

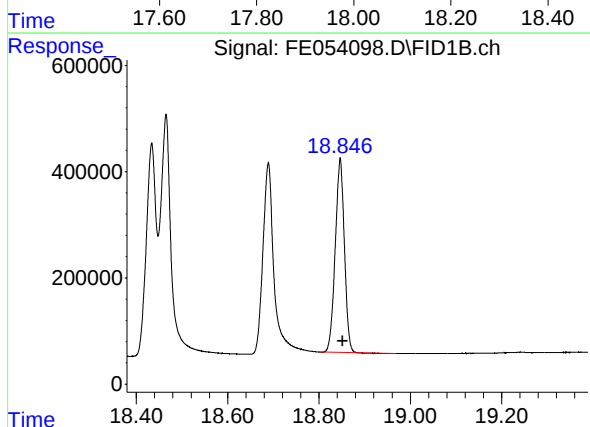
FID\_E

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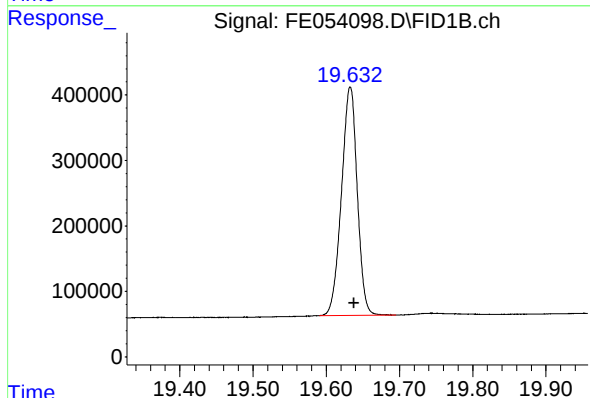
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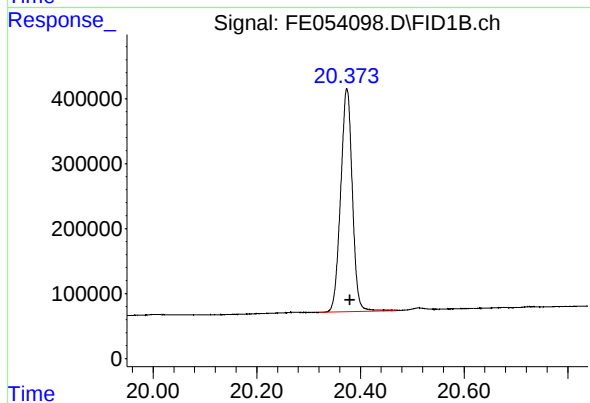
#18 n-Dotriacontane (C32)

R.T.: 18.846 min  
Delta R.T.: -0.006 min  
Response: 5070540  
Conc: 40.55 ug/ml



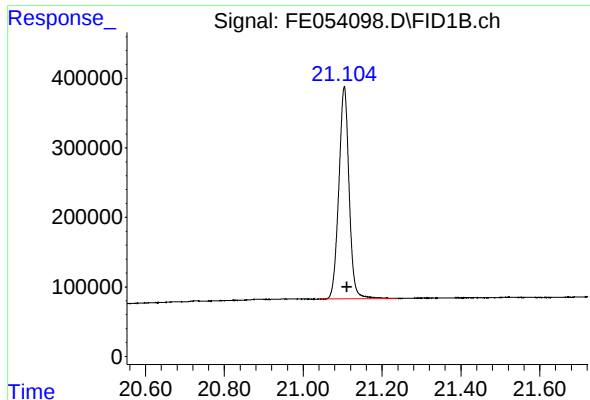
#19 n-Tetratriacontane (C34)

R.T.: 19.633 min  
Delta R.T.: -0.005 min  
Response: 5228175  
Conc: 43.89 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.374 min  
Delta R.T.: -0.006 min  
Response: 5361472  
Conc: 46.30 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.104 min  
Delta R.T.: -0.007 min  
Response: 5526477  
Conc: 50.78 ug/ml

Instrument :

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ClientSampleId :

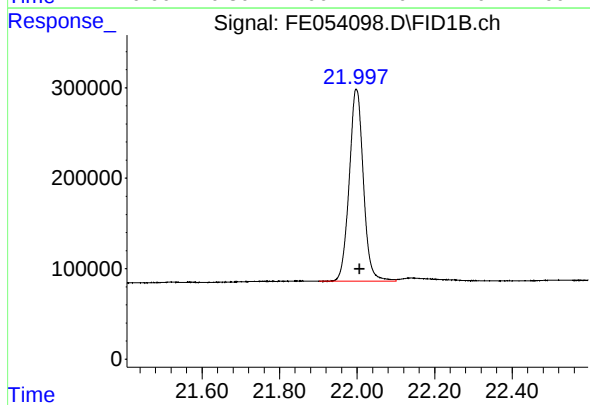
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#22 n-Tetracontane (C40)

R.T.: 21.998 min  
Delta R.T.: -0.009 min  
Response: 5375786  
Conc: 54.17 ug/ml