

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE082125AL\  
 Data File : FE055436.D  
 Signal(s) : FID1B.ch  
 Acq On : 21 Aug 2025 19:48  
 Operator : YP\AJ  
 Sample : Q2915-03MSD  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

**Instrument :**

FID\_E

**ClientSampleId :**

BRIDGE-EASTMSD

**Manual Integrations****APPROVED**

Reviewed By :Yogesh Patel 08/22/2025

Supervised By :mohammad ahmed 08/25/2025

Integration File: autoint1.e

Quant Time: Aug 22 01:22:13 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 080125.M

Quant Title : GC Extractables

QLast Update : Fri Aug 01 13:47:09 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)    | 12.083 | 5029663    | 35.221 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 70.44%        |
| 12) S 1-chlorooctadecane (S... | 13.519 | 3982939    | 37.042 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 74.08%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.418  | 3815272    | 33.243 ug/ml  |
| 2) T n-Decane (C10)            | 4.677  | 4294048    | 36.860 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.397  | 5492118    | 40.916 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.853  | 4717376    | 39.614 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.498  | 5250372    | 40.269 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.692  | 5045737    | 41.153 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.306 | 5561603    | 43.503 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.757 | 5869112    | 44.983 ug/ml  |
| 10) T n-Eicosane (C20)         | 13.072 | 6134494    | 48.891 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.686 | 5945065    | 48.229 ug/ml  |
| 13) T n-Docosane (C22)         | 14.275 | 5893095    | 48.257 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.384 | 12210530   | 100.388 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.407 | 5739516    | 47.971 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.358 | 5753704    | 48.504 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.251 | 5715405    | 46.448 ug/mlm |
| 18) T n-Dotriacontane (C32)    | 19.083 | 5880834    | 48.199 ug/mlm |
| 19) T n-Tetratriacontane (C34) | 19.866 | 6149326    | 52.595 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 20.610 | 6221828    | 56.925 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 21.391 | 6505263    | 60.194 ug/mlm |
| 22) T n-Tetracontane (C40)     | 22.380 | 6479382    | 61.960 ug/mlm |
| -----                          |        |            |               |

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

(m)=manual int.

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Acq On : 21 Aug 2025 19:48  
Operator : YP\AJ  
Sample : Q2915-03MSD  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

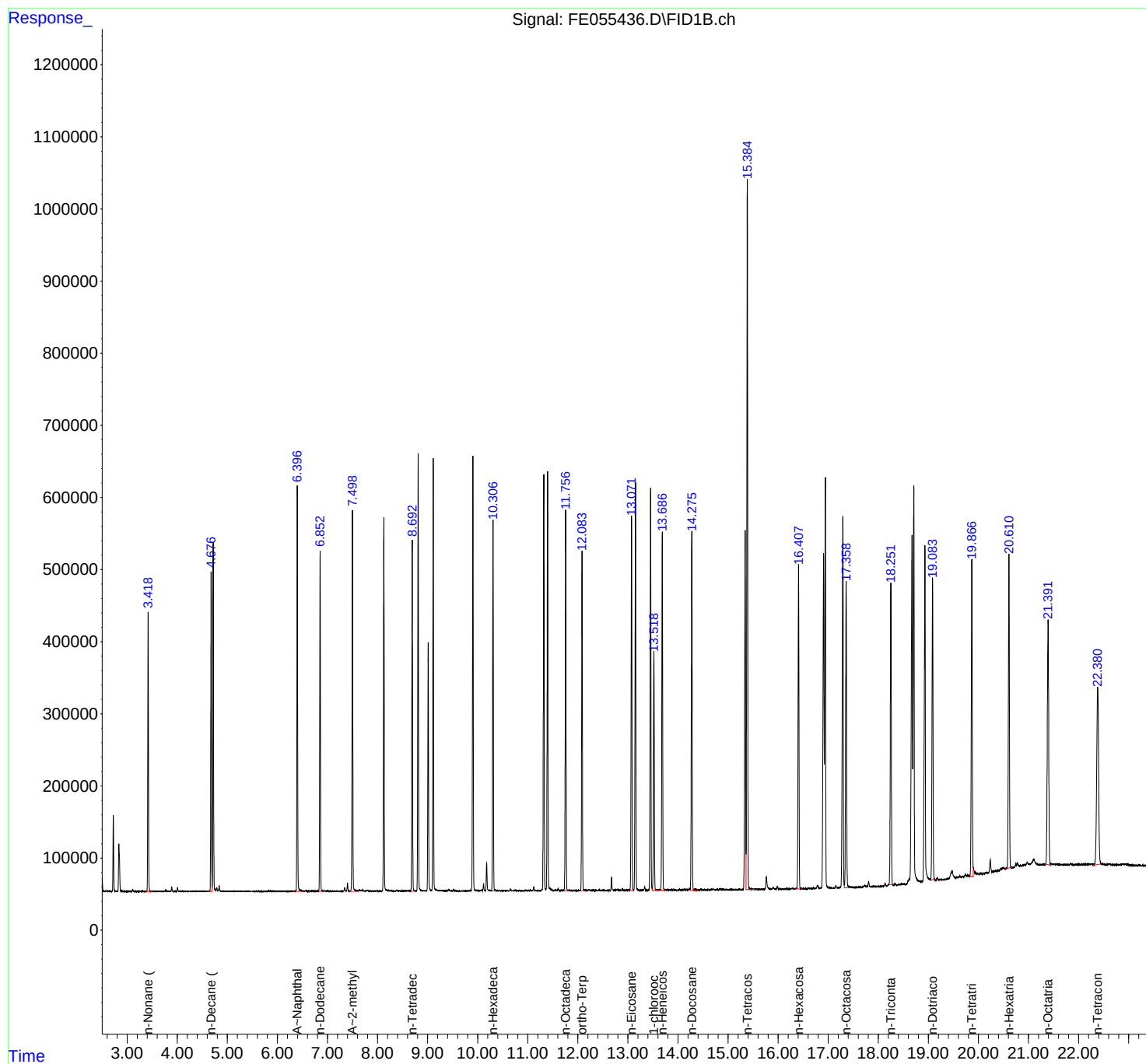
Instrument :  
FID\_E  
ClientSampleId :  
BRIDGE-EASTMSD

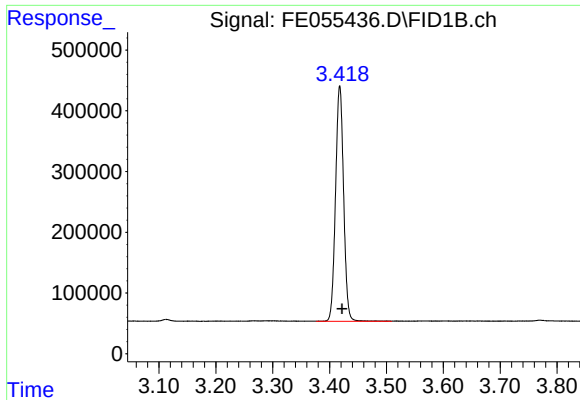
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/22/2025  
Supervised By :mohammad ahmed 08/25/2025

Integration File: autoint1.e  
Quant Time: Aug 22 01:22:13 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 080125.M  
Quant Title : GC Extractables  
QLast Update : Fri Aug 01 13:47:09 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





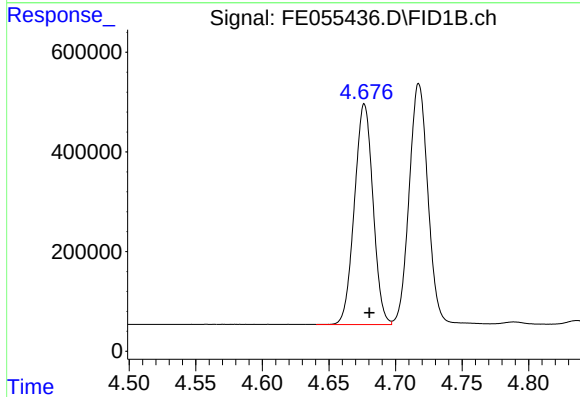
#1 n-Nonane (C9)

R.T.: 3.418 min  
Delta R.T.: -0.004 min  
Response: 3815272  
Conc: 33.24 ug/ml

Instrument :  
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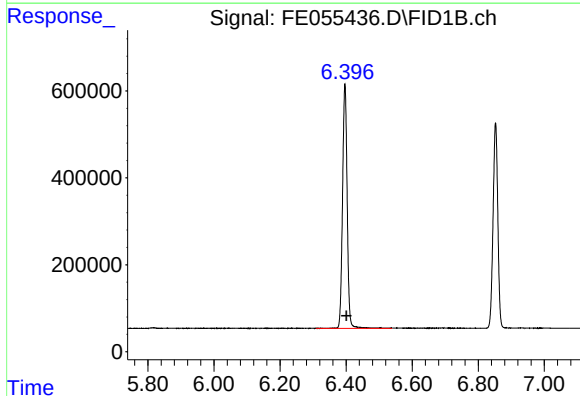
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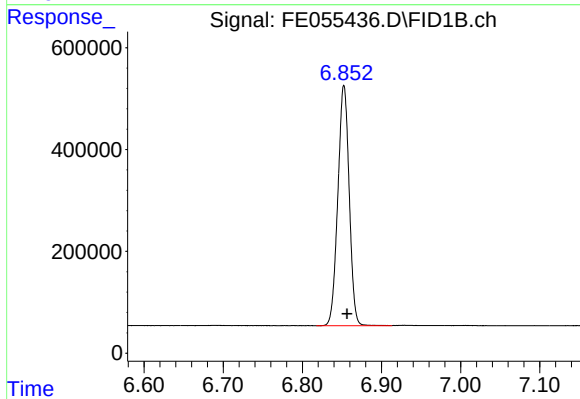
#2 n-Decane (C10)

R.T.: 4.677 min  
Delta R.T.: -0.004 min  
Response: 4294048  
Conc: 36.86 ug/ml



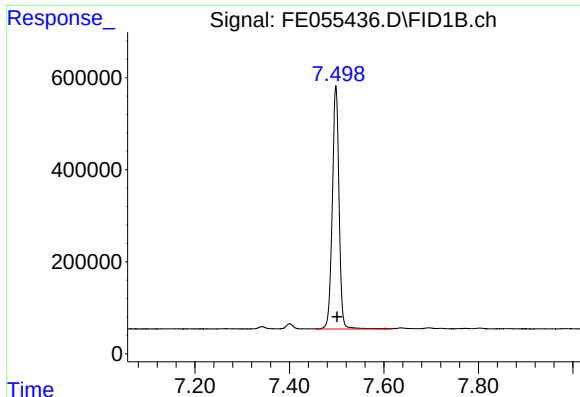
#3 A~Naphthalene (C11.7)

R.T.: 6.397 min  
Delta R.T.: -0.004 min  
Response: 5492118  
Conc: 40.92 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.853 min  
Delta R.T.: -0.004 min  
Response: 4717376  
Conc: 39.61 ug/ml



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

R.T.: 7.498 min  
Delta R.T.: -0.003 min  
Response: 5250372  
Conc: 40.27 ug/ml

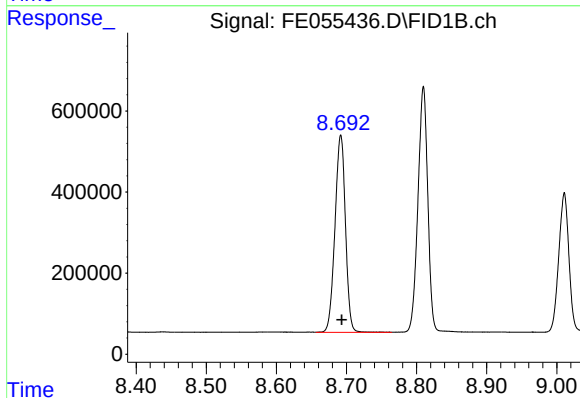
Instrument :

FID\_E

ClientSampleId :  
BRIDGE-EASTMSD

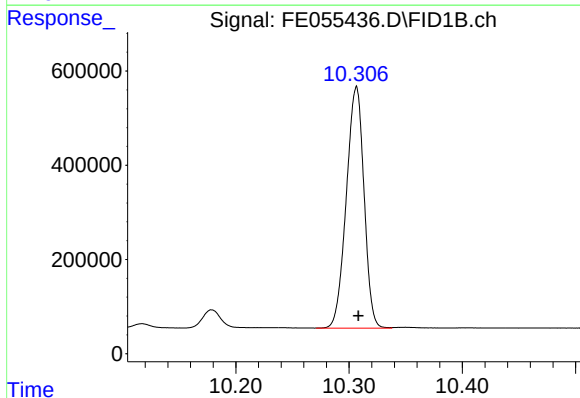
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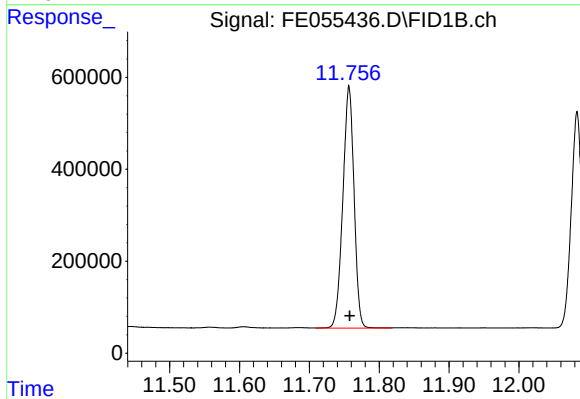
#6 n-Tetradecane (C14)

R.T.: 8.692 min  
Delta R.T.: -0.002 min  
Response: 5045737  
Conc: 41.15 ug/ml



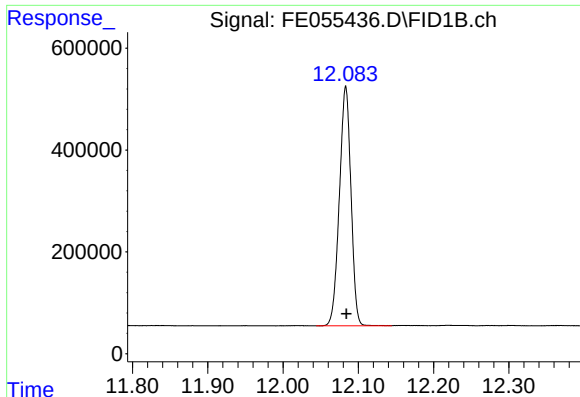
#7 n-Hexadecane (C16)

R.T.: 10.306 min  
Delta R.T.: -0.002 min  
Response: 5561603  
Conc: 43.50 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.757 min  
Delta R.T.: -0.001 min  
Response: 5869112  
Conc: 44.98 ug/ml



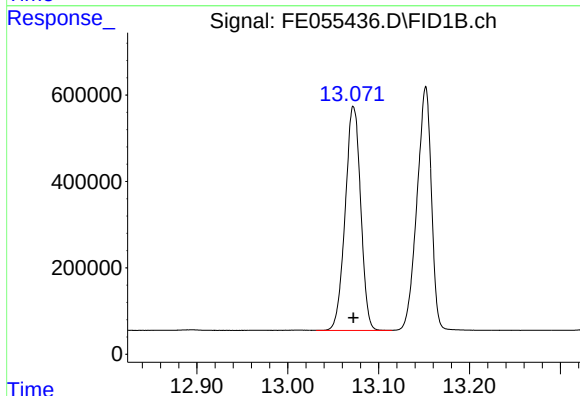
#9 ortho-Terphenyl (SURR)

R.T.: 12.083 min  
Delta R.T.: 0.000 min  
Response: 5029663  
Conc: 35.22 ug/ml

Instrument :  
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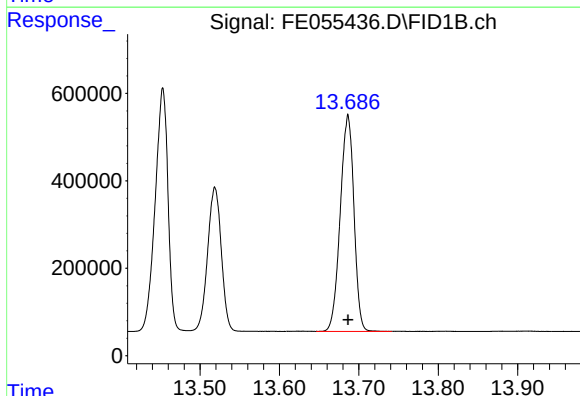
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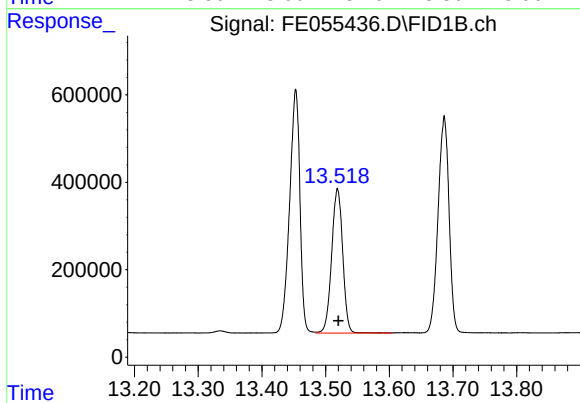
#10 n-Eicosane (C20)

R.T.: 13.072 min  
Delta R.T.: 0.000 min  
Response: 6134494  
Conc: 48.89 ug/ml



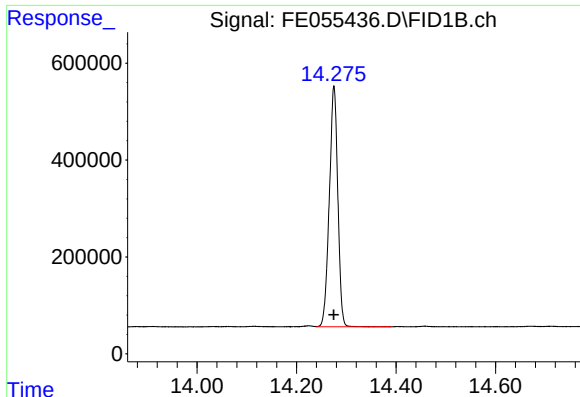
#11 n-Heneicosane (C21)

R.T.: 13.686 min  
Delta R.T.: 0.000 min  
Response: 5945065  
Conc: 48.23 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.519 min  
Delta R.T.: -0.002 min  
Response: 3982939  
Conc: 37.04 ug/ml



#13 n-Docosane (C22)

R.T.: 14.275 min  
Delta R.T.: 0.000 min  
Response: 5893095  
Conc: 48.26 ug/ml

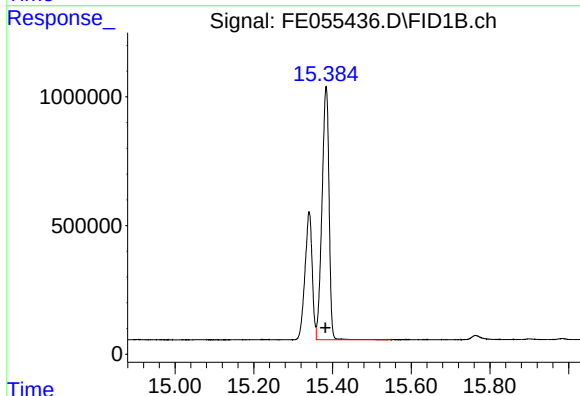
Instrument :

FID\_E

ClientSampleId :  
BRIDGE-EASTMSD

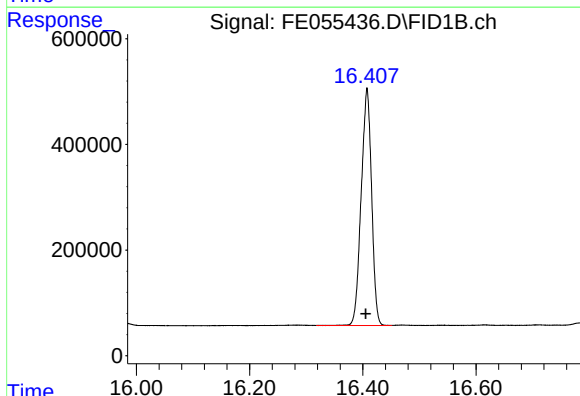
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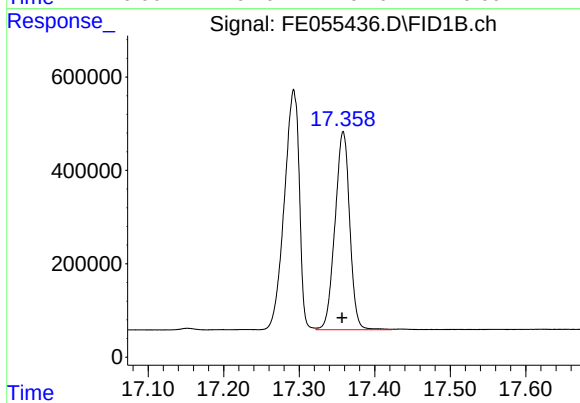
#14 n-Tetracosane (C24)

R.T.: 15.384 min  
Delta R.T.: 0.002 min  
Response: 12210530  
Conc: 100.39 ug/ml



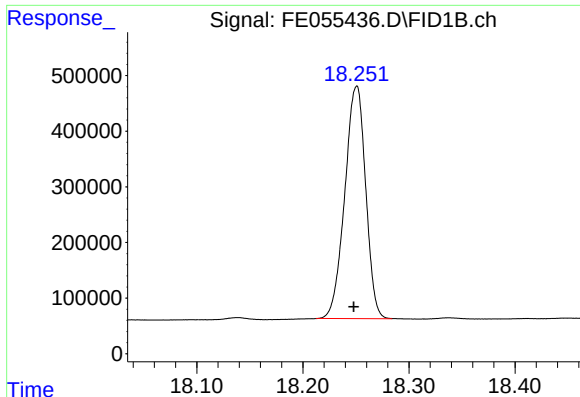
#15 n-Hexacosane (C26)

R.T.: 16.407 min  
Delta R.T.: 0.002 min  
Response: 5739516  
Conc: 47.97 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.358 min  
Delta R.T.: 0.001 min  
Response: 5753704  
Conc: 48.50 ug/ml



#17 n-Tricontane (C30)

R.T.: 18.251 min  
Delta R.T.: 0.003 min  
Response: 5715405  
Conc: 46.45 ug/ml

Instrument :

FID\_E

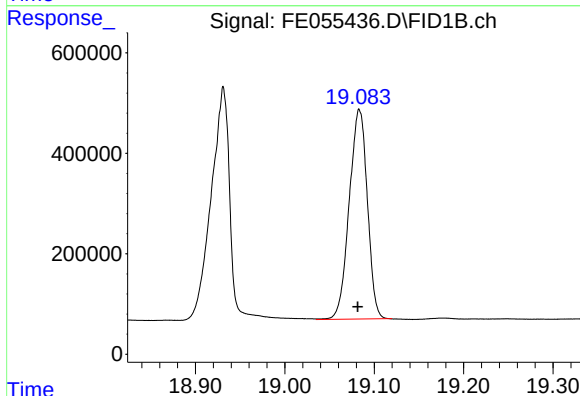
ClientSampleId :

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Manual Integrations

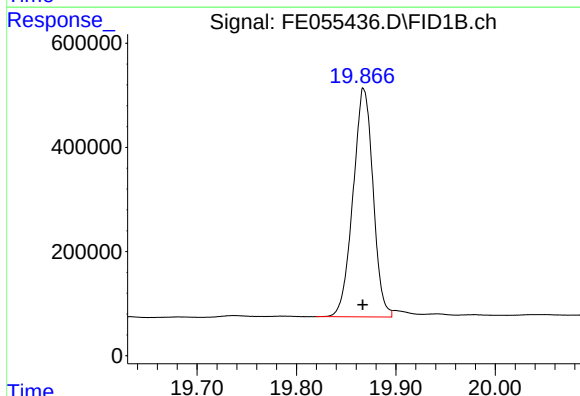
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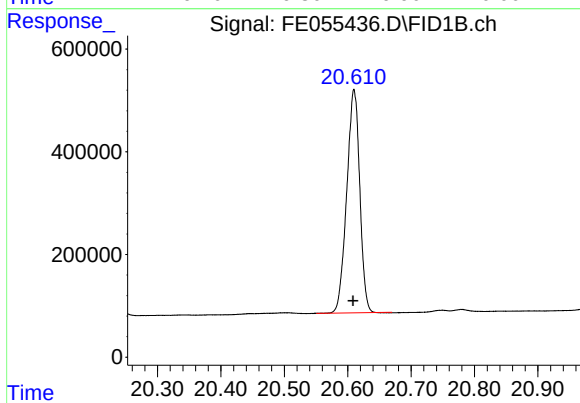
#18 n-Dotriacontane (C32)

R.T.: 19.083 min  
Delta R.T.: 0.001 min  
Response: 5880834  
Conc: 48.20 ug/ml m



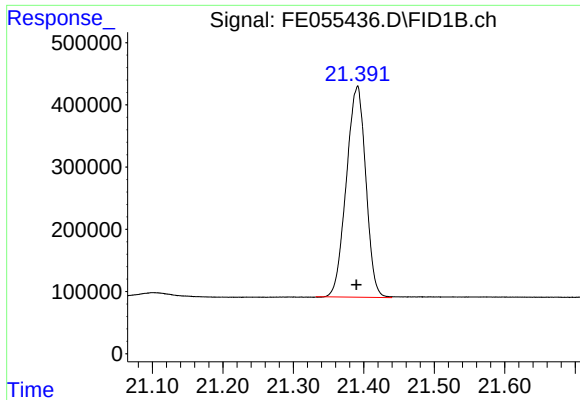
#19 n-Tetratriacontane (C34)

R.T.: 19.866 min  
Delta R.T.: 0.000 min  
Response: 6149326  
Conc: 52.59 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.610 min  
Delta R.T.: 0.001 min  
Response: 6221828  
Conc: 56.92 ug/ml m



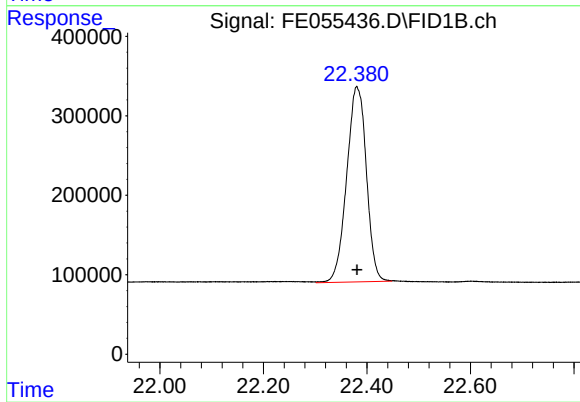
#21 n-Octatriacontane (C38)

R.T.: 21.391 min  
Delta R.T.: 0.002 min  
Response: 6505263  
Conc: 60.19 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.380 min  
Delta R.T.: 0.000 min  
Response: 6479382  
Conc: 61.96 ug/ml m