

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG082725\  
 Data File : FG016409.D  
 Signal(s) : FID1A.ch  
 Acq On : 27 Aug 2025 09:11  
 Operator : YP\AJ  
 Sample : 50 PPM TRPH STD  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 FID\_G  
 ClientSampleId :  
 50 PPM TRPH STD

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 08/28/2025  
 Supervised By :mohammad ahmed 08/29/2025

Integration File: autoint1.e  
 Quant Time: Aug 28 04:18:57 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG080525.M  
 Quant Title :  
 QLast Update : Tue Aug 05 12:47:26 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1uL  
 Signal Phase : Rxi-1ms  
 Signal Info : 20mx0.18mmx0.18um

| Compound                      | R.T.   | Response | Conc Units    |
|-------------------------------|--------|----------|---------------|
| -----                         |        |          |               |
| System Monitoring Compounds   |        |          |               |
| 9) S TETRACOSANE-d50 (SURR... | 15.194 | 4834650  | 50.745 ug/ml  |
| Target Compounds              |        |          |               |
| 1) N-OCTANE                   | 2.111  | 5236391  | 49.344 ug/ml  |
| 2) N-DECANE                   | 4.660  | 5469437  | 50.612 ug/ml  |
| 3) N-DODECANE                 | 6.843  | 5520237  | 50.794 ug/ml  |
| 4) N-TETRADECANE              | 8.685  | 5570331  | 50.945 ug/ml  |
| 5) N-HEXADECANE               | 10.304 | 5534203  | 50.914 ug/ml  |
| 6) N-OCTADECANE               | 11.759 | 5632178  | 50.917 ug/ml  |
| 7) N-EICOSANE                 | 13.079 | 5749071  | 50.865 ug/ml  |
| 8) N-DOCOSANE                 | 14.287 | 5573048  | 50.729 ug/ml  |
| 10) N-TETRACOSANE             | 15.399 | 5549729  | 50.649 ug/ml  |
| 11) N-HEXACOSANE              | 16.428 | 5388823  | 50.387 ug/ml  |
| 12) N-OCTACOSANE              | 17.383 | 5417929  | 50.291 ug/ml  |
| 13) N-TRIACONTANE             | 18.278 | 5459308  | 50.104 ug/ml  |
| 14) N-DOTRIACONTANE           | 19.116 | 5281810  | 50.145 ug/ml  |
| 15) N-TETRATRIACONTANE        | 19.905 | 4777907  | 50.143 ug/ml  |
| 16) N-HEXATRIACONTANE         | 20.647 | 3972348  | 53.163 ug/mlm |
| 17) N-OCTATRIACONTANE         | 21.434 | 3388308  | 56.511 ug/mlm |
| 18) N-TETRACONTANE            | 22.440 | 2995933  | 71.277 ug/ml  |
| -----                         |        |          |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP\AJ  
Sample : 50 PPM TRPH STD  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

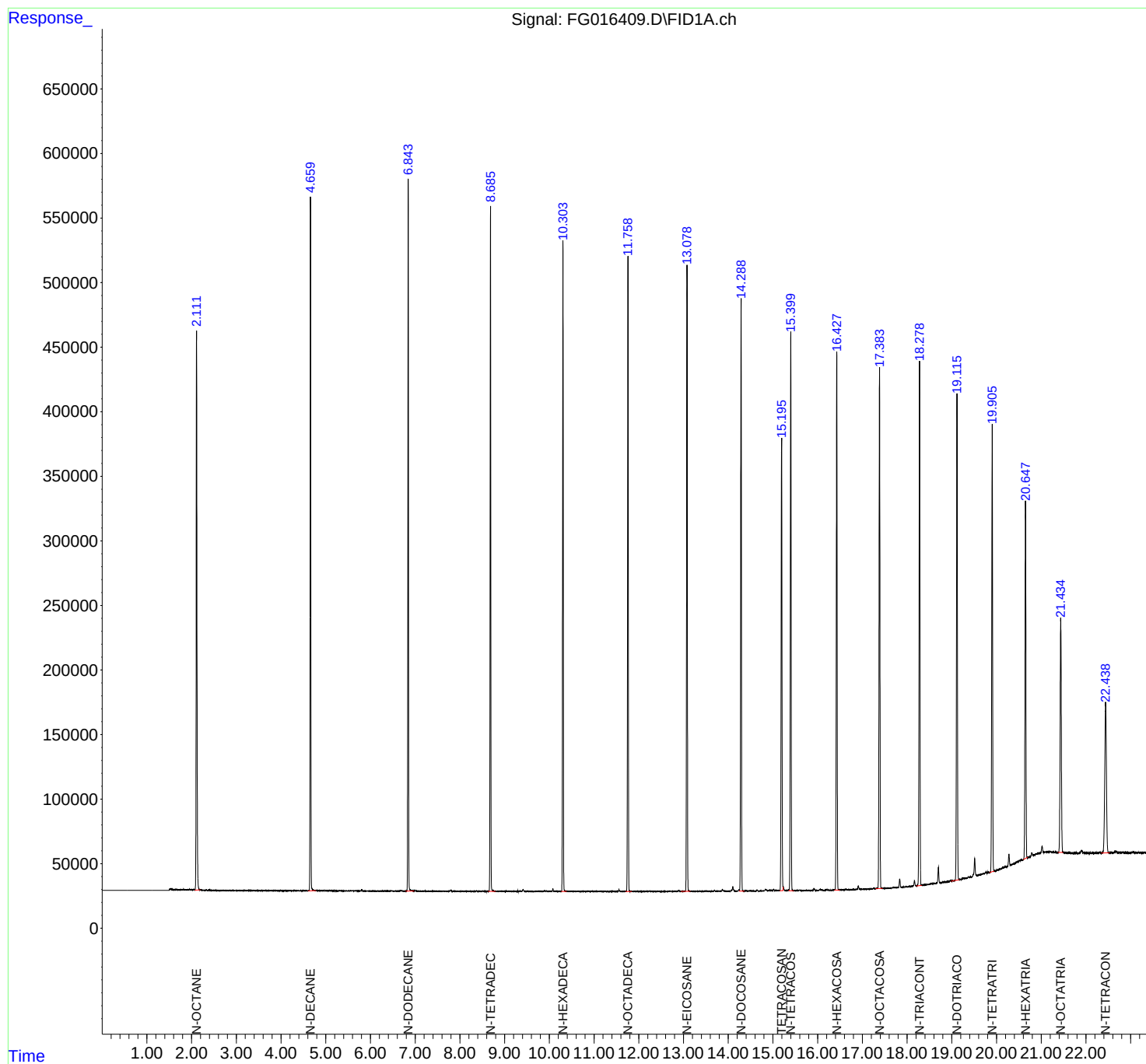
Instrument :  
FID\_G  
ClientSampleId :  
50 PPM TRPH STD

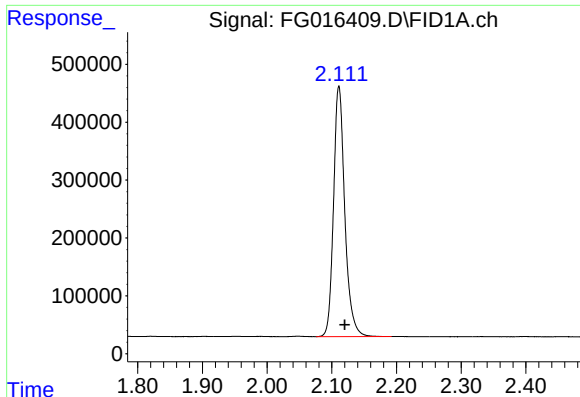
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Signal Info : 20mx0.18mmx0.18um





#1 N-OCTANE

R.T.: 2.111 min  
Delta R.T.: -0.009 min  
Response: 5236391  
Conc: 49.34 ug/ml

Instrument :

FID\_G

ClientSampleId :

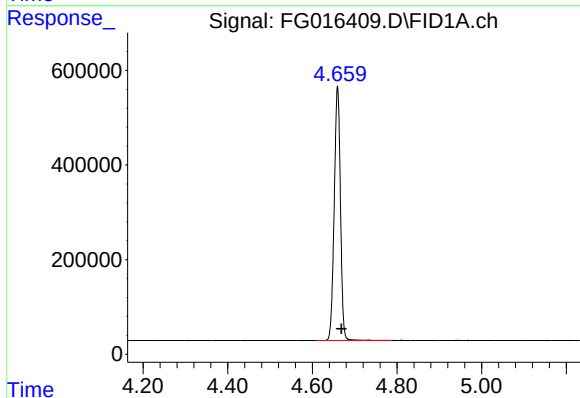
50 PPM TRPH STD

Manual Integrations

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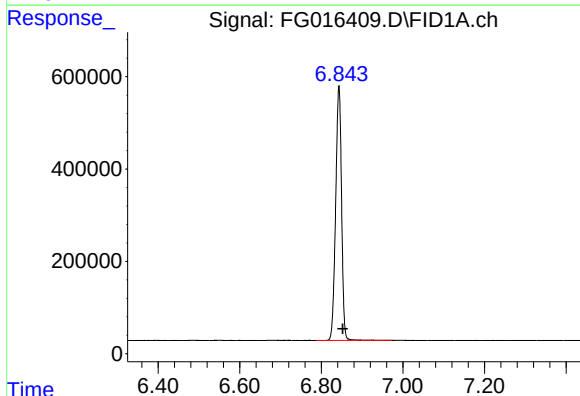
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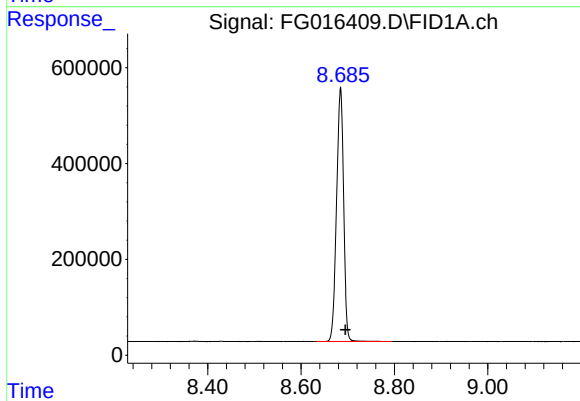
#2 N-DECANE

R.T.: 4.660 min  
Delta R.T.: -0.009 min  
Response: 5469437  
Conc: 50.61 ug/ml



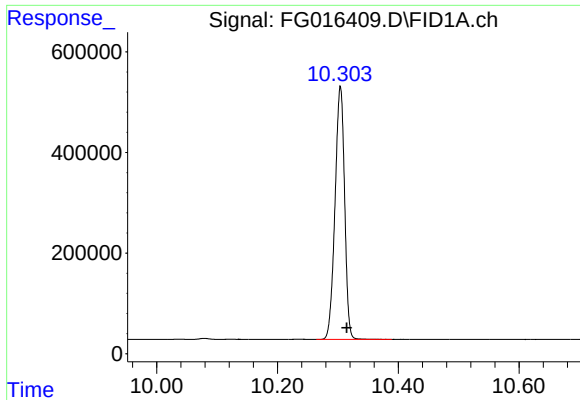
#3 N-DODECANE

R.T.: 6.843 min  
Delta R.T.: -0.009 min  
Response: 5520237  
Conc: 50.79 ug/ml



#4 N-TETRADECANE

R.T.: 8.685 min  
Delta R.T.: -0.010 min  
Response: 5570331  
Conc: 50.95 ug/ml



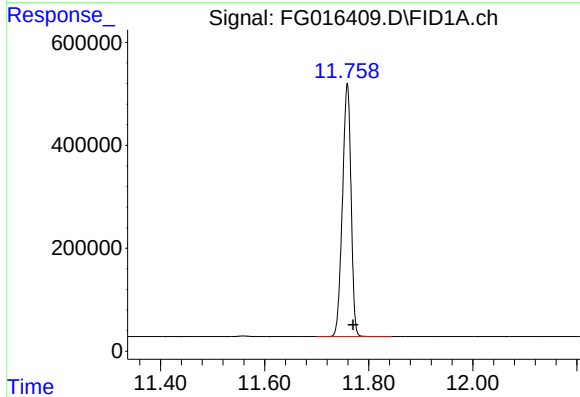
#5 N-HEXADECANE

R.T.: 10.304 min  
Delta R.T.: -0.010 min  
Response: 5534203  
Conc: 50.91 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
50 PPM TRPH STD

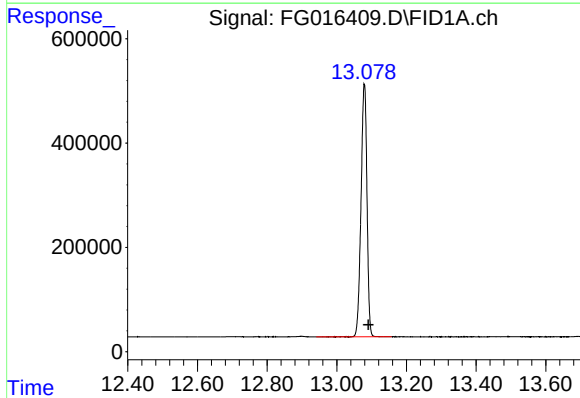
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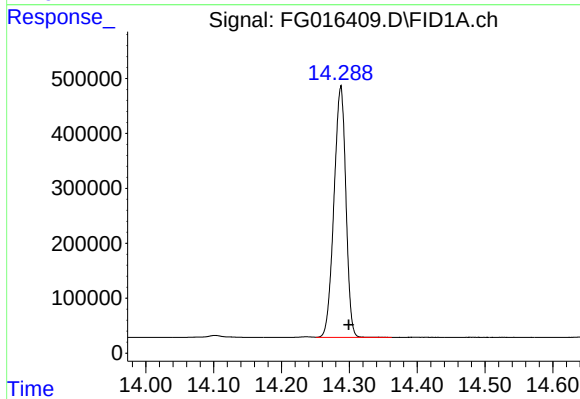
#6 N-OCTADECANE

R.T.: 11.759 min  
Delta R.T.: -0.011 min  
Response: 5632178  
Conc: 50.92 ug/ml



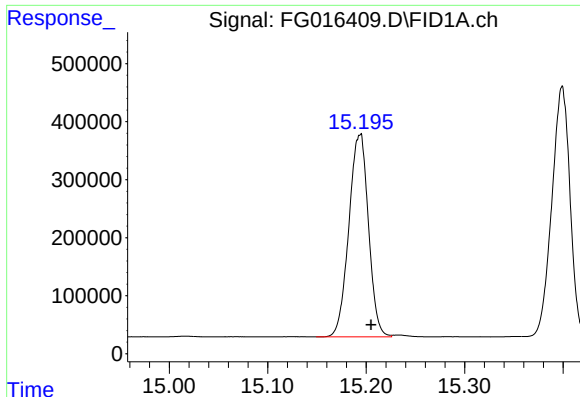
#7 N-EICOSANE

R.T.: 13.079 min  
Delta R.T.: -0.011 min  
Response: 5749071  
Conc: 50.87 ug/ml



#8 N-DOCOSANE

R.T.: 14.287 min  
Delta R.T.: -0.012 min  
Response: 5573048  
Conc: 50.73 ug/ml



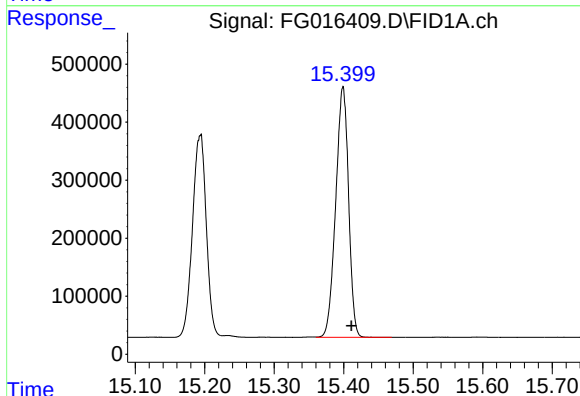
#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.194 min  
Delta R.T.: -0.011 min  
Response: 4834650  
Conc: 50.74 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
50 PPM TRPH STD

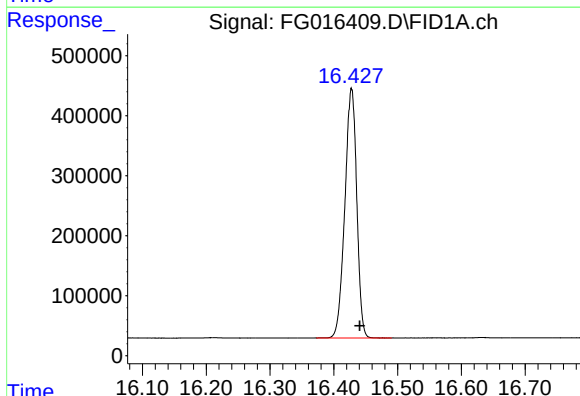
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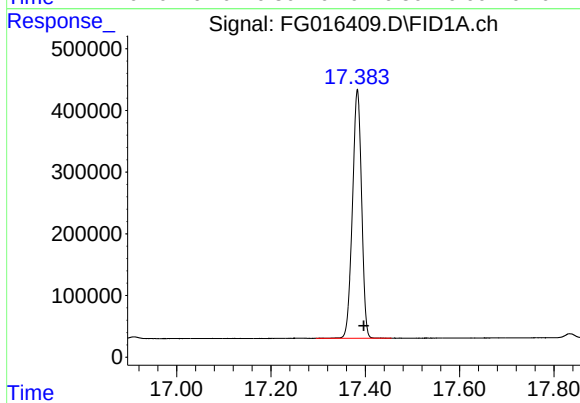
#10 N-TETRACOSANE

R.T.: 15.399 min  
Delta R.T.: -0.012 min  
Response: 5549729  
Conc: 50.65 ug/ml



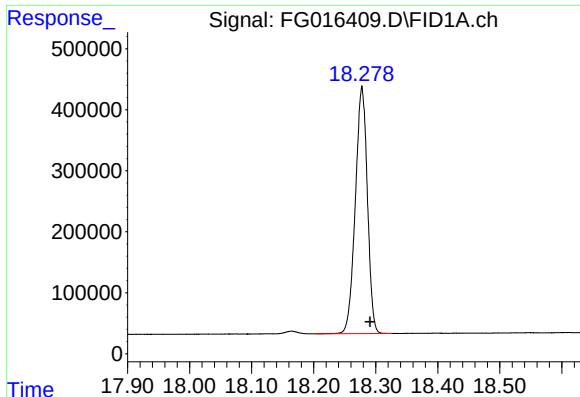
#11 N-HEXACOSANE

R.T.: 16.428 min  
Delta R.T.: -0.013 min  
Response: 5388823  
Conc: 50.39 ug/ml



#12 N-OCTACOSANE

R.T.: 17.383 min  
Delta R.T.: -0.014 min  
Response: 5417929  
Conc: 50.29 ug/ml



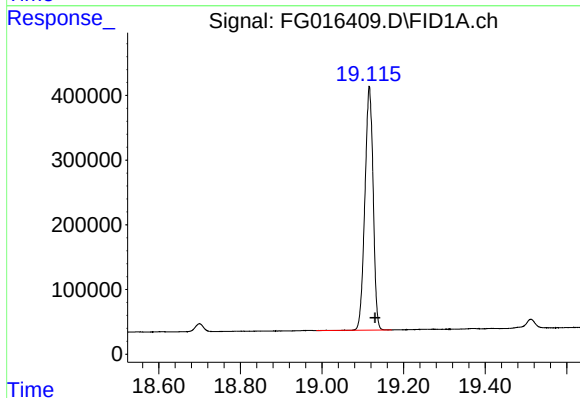
#13 N-TRIACONTANE

R.T.: 18.278 min  
Delta R.T.: -0.013 min  
Response: 5459308  
Conc: 50.10 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
50 PPM TRPH STD

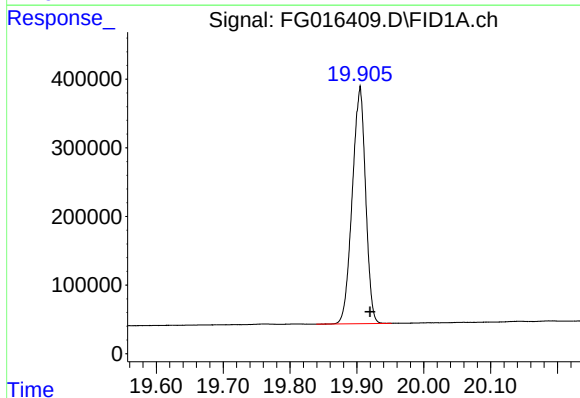
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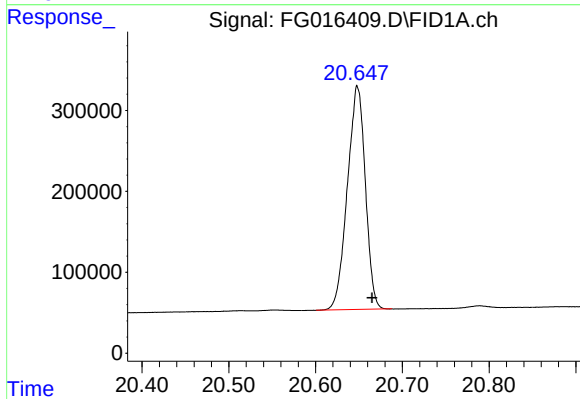
#14 N-DOTRIACONTANE

R.T.: 19.116 min  
Delta R.T.: -0.014 min  
Response: 5281810  
Conc: 50.14 ug/ml



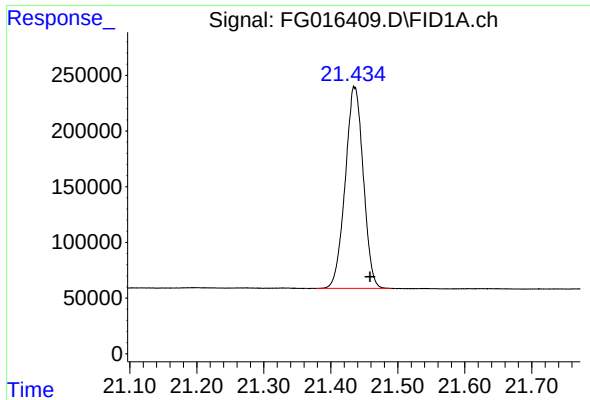
#15 N-TETRATRIACONTANE

R.T.: 19.905 min  
Delta R.T.: -0.015 min  
Response: 4777907  
Conc: 50.14 ug/ml



#16 N-HEXATRIACONTANE

R.T.: 20.647 min  
Delta R.T.: -0.018 min  
Response: 3972348  
Conc: 53.16 ug/ml m



#17 N-OCTATRIACONTANE

R.T.: 21.434 min  
Delta R.T.: -0.025 min  
Response: 3388308  
Conc: 56.51 ug/ml

Instrument :

FID\_G

ClientSampleId :

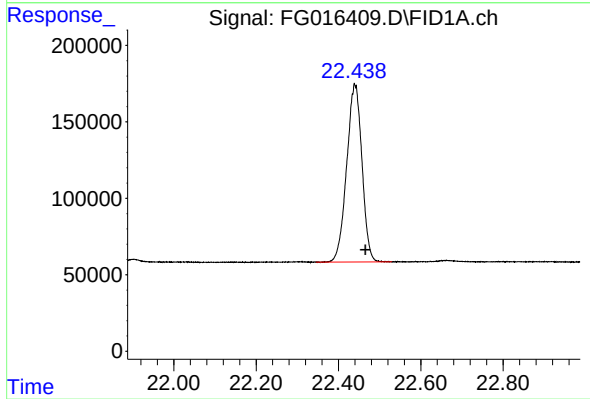
50 PPM TRPH STD

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#18 N-TETRACONTANE

R.T.: 22.440 min  
Delta R.T.: -0.026 min  
Response: 2995933  
Conc: 71.28 ug/ml