

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG061025\  
 Data File : FG016025.D  
 Signal(s) : FID1A.ch  
 Acq On : 10 Jun 2025 22:57  
 Operator : YP\AJ  
 Sample : Q2126-10  
 Misc : 2.5 PPM WATER LOD  
 ALS Vial : 73 Sample Multiplier: 1

Instrument :  
 FID\_G  
 ClientSampleId :  
 LOD-MDL-WATER-04-QT2-2025

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/11/2025  
 Supervised By :mohammad ahmed 06/12/2025

Integration File: autoint1.e  
 Quant Time: Jun 11 05:56:23 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG052225.M  
 Quant Title :  
 QLast Update : Thu May 22 06:20:25 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... | 14.971 | 2055396  | 16.770 ug/ml |
| Target Compounds              |        |          |              |
| 1) N-OCTANE                   | 1.951  | 236557   | 2.012 ug/ml  |
| 2) N-DECANE                   | 4.475  | 217208   | 1.849 ug/ml  |
| 3) N-DODECANE                 | 6.657  | 228799   | 1.885 ug/mlm |
| 4) N-TETRADECANE              | 8.495  | 232450   | 1.820 ug/ml  |
| 5) N-HEXADECANE               | 10.109 | 251312   | 1.886 ug/ml  |
| 6) N-OCTADECANE               | 11.555 | 285743   | 2.071 ug/ml  |
| 7) N-EICOSANE                 | 12.868 | 304957   | 2.159 ug/ml  |
| 8) N-DOCOSANE                 | 14.068 | 300016   | 2.184 ug/ml  |
| 10) N-TETRACOSANE             | 15.175 | 300753   | 2.188 ug/ml  |
| 11) N-HEXACOSANE              | 16.200 | 295257   | 2.173 ug/ml  |
| 12) N-OCTACOSANE              | 17.152 | 310560   | 2.303 ug/ml  |
| 13) N-TRIACONTANE             | 18.042 | 336779   | 2.468 ug/ml  |
| 14) N-DOTRIACONTANE           | 18.876 | 344742   | 2.574 ug/ml  |
| 15) N-TETRATRIACONTANE        | 19.661 | 310037   | 2.557 ug/ml  |
| 16) N-HEXATRIACONTANE         | 20.404 | 263830   | 2.471 ug/ml  |
| 17) N-OCTATRIACONTANE         | 21.138 | 211277   | 2.202 ug/ml  |
| 18) N-TETRACONTANE            | 22.048 | 201377   | 2.290 ug/mlm |
| -----                         |        |          |              |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP\AJ  
Sample : Q2126-10  
Misc : 2.5 PPM WATER LOD  
ALS Vial : 73 Sample Multiplier: 1

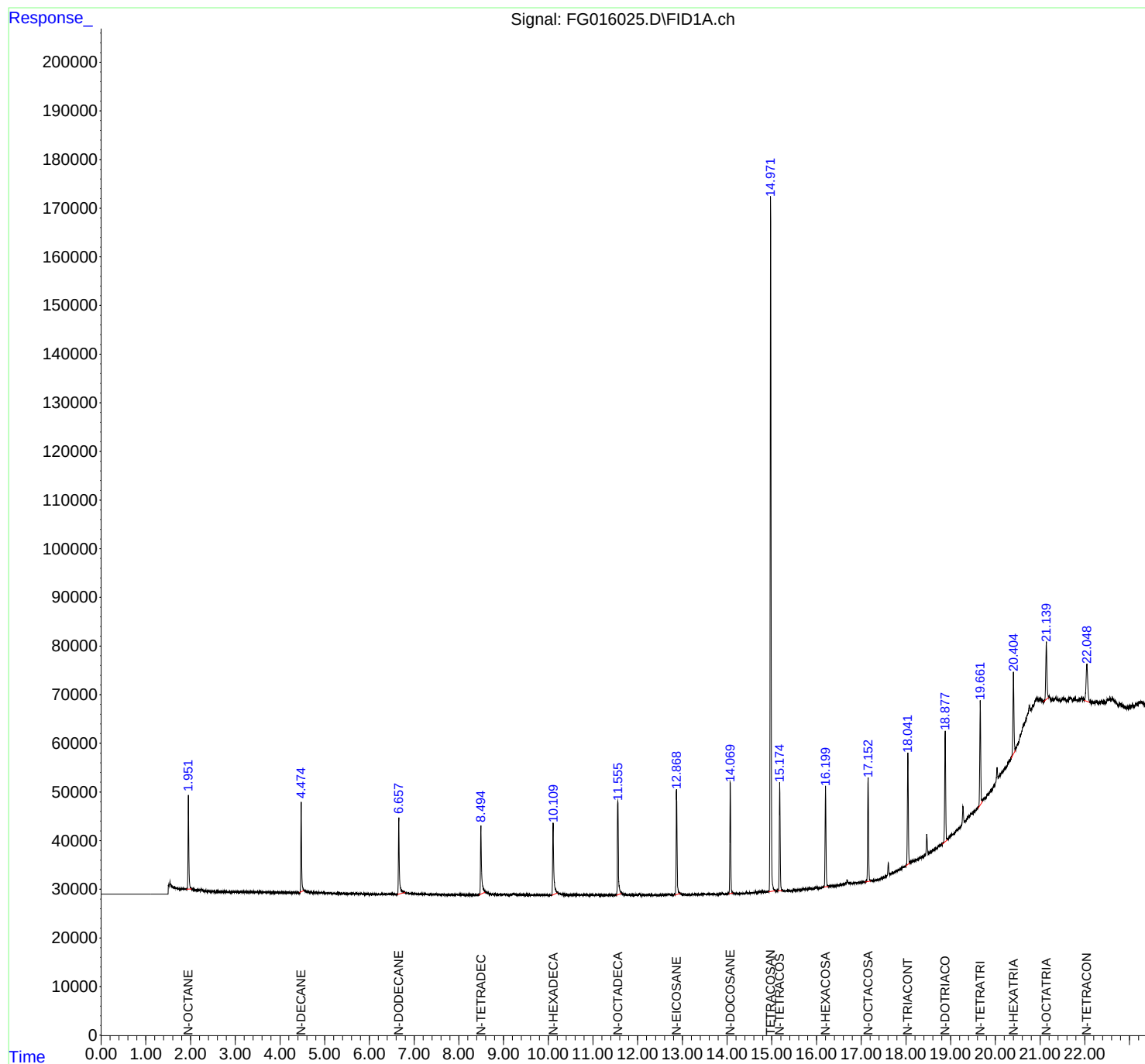
Instrument :  
FID\_G  
ClientSampleId :  
LOD-MDL-WATER-04-QT2-2025

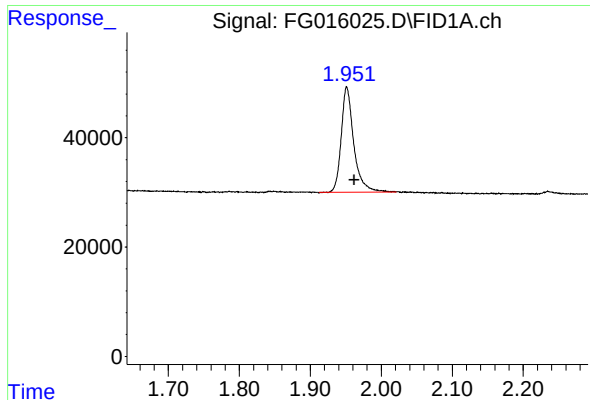
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Integration File: autoint1.e  
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Quant Title :  
QLast Update : Thu May 22 06:20:25 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





#1 N-OCTANE

R.T.: 1.951 min  
Delta R.T.: -0.011 min  
Response: 236557  
Conc: 2.01 ug/ml

Instrument :

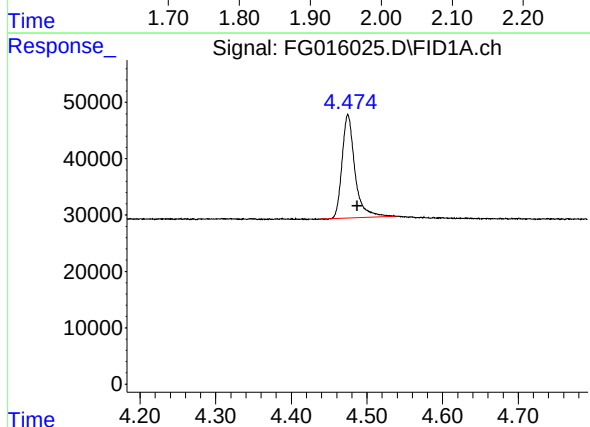
FID\_G

ClientSampleId :

LOD-MDL-WATER-04-QT2-2025

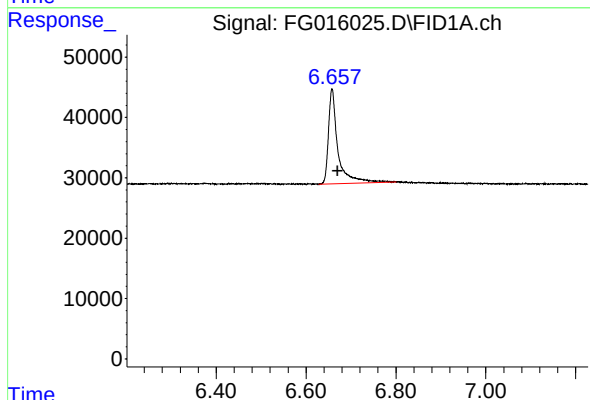
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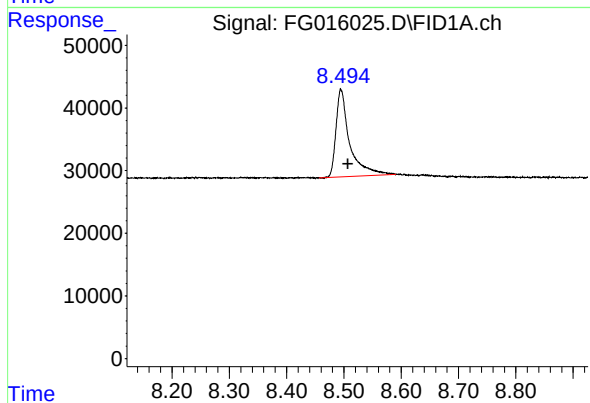
#2 N-DECANE

R.T.: 4.475 min  
Delta R.T.: -0.012 min  
Response: 217208  
Conc: 1.85 ug/ml



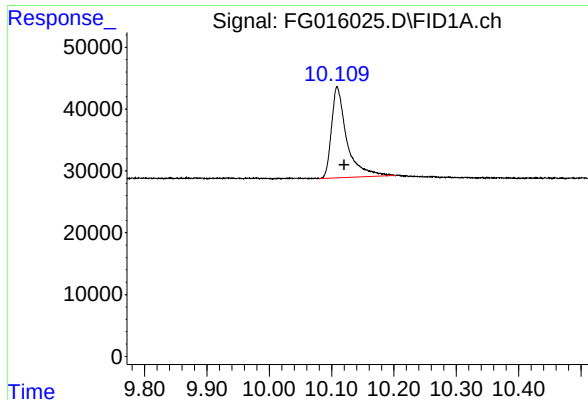
#3 N-DODECANE

R.T.: 6.657 min  
Delta R.T.: -0.013 min  
Response: 228799  
Conc: 1.89 ug/ml m



#4 N-TETRADECANE

R.T.: 8.495 min  
Delta R.T.: -0.012 min  
Response: 232450  
Conc: 1.82 ug/ml



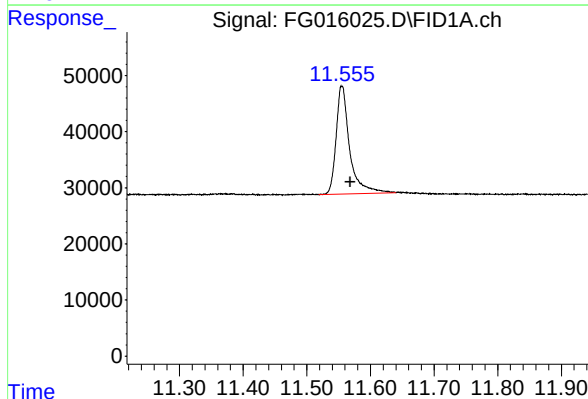
#5 N-HEXADECANE

R.T.: 10.109 min  
Delta R.T.: -0.011 min  
Response: 251312  
Conc: 1.89 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
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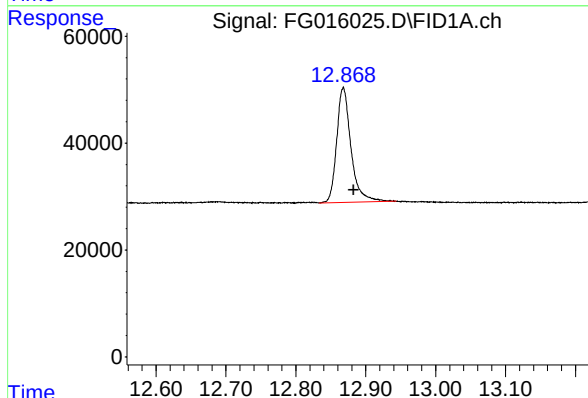
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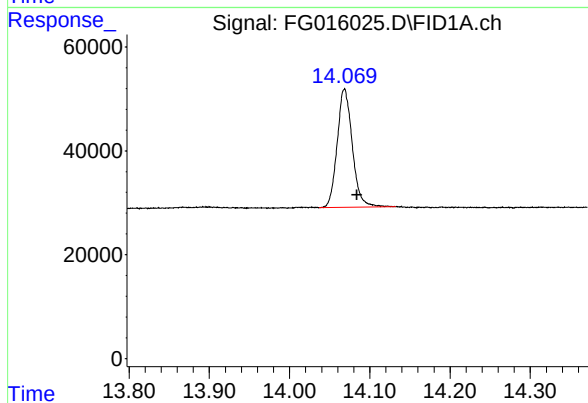
#6 N-OCTADECANE

R.T.: 11.555 min  
Delta R.T.: -0.013 min  
Response: 285743  
Conc: 2.07 ug/ml



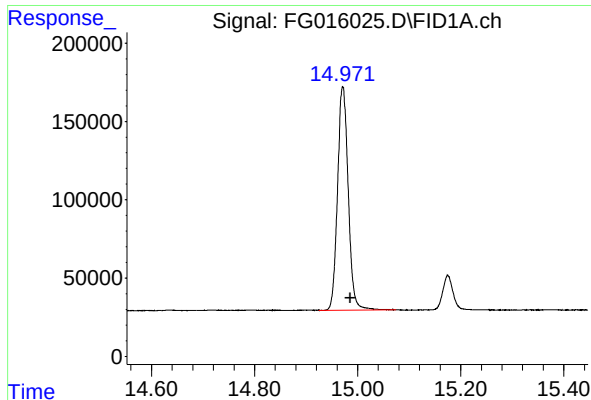
#7 N-EICOSANE

R.T.: 12.868 min  
Delta R.T.: -0.015 min  
Response: 304957  
Conc: 2.16 ug/ml



#8 N-DOCOSANE

R.T.: 14.068 min  
Delta R.T.: -0.015 min  
Response: 300016  
Conc: 2.18 ug/ml



#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 14.971 min  
Delta R.T.: -0.015 min  
Response: 2055396  
Conc: 16.77 ug/ml

Instrument :

FID\_G

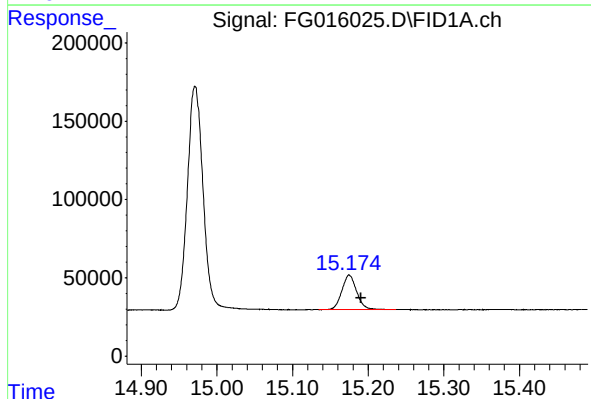
ClientSampleId :

LOD-MDL-WATER-04-QT2-2025

Manual Integrations

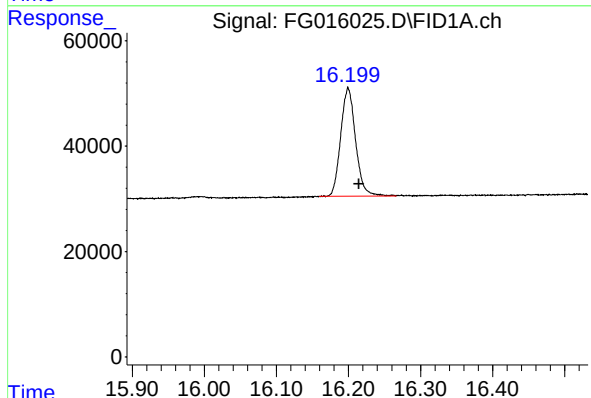
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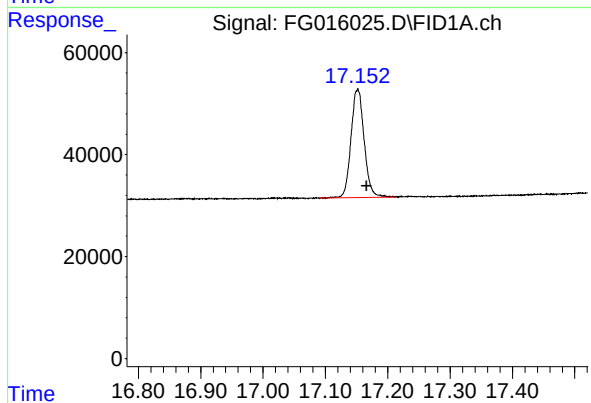
#10 N-TETRACOSANE

R.T.: 15.175 min  
Delta R.T.: -0.015 min  
Response: 300753  
Conc: 2.19 ug/ml



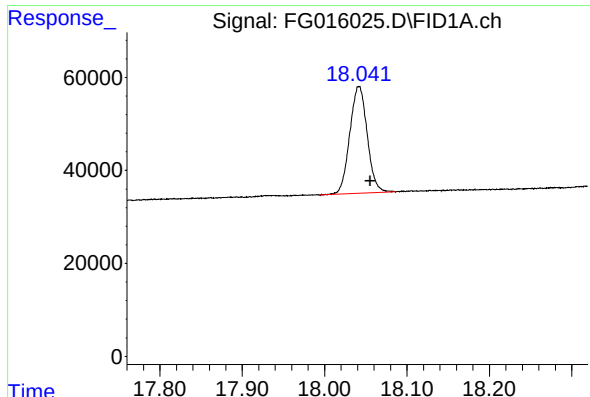
#11 N-HEXACOSANE

R.T.: 16.200 min  
Delta R.T.: -0.015 min  
Response: 295257  
Conc: 2.17 ug/ml



#12 N-OCTACOSANE

R.T.: 17.152 min  
Delta R.T.: -0.014 min  
Response: 310560  
Conc: 2.30 ug/ml



#13 N-TRIACONTANE

R.T.: 18.042 min  
Delta R.T.: -0.014 min  
Response: 336779  
Conc: 2.47 ug/ml

Instrument :

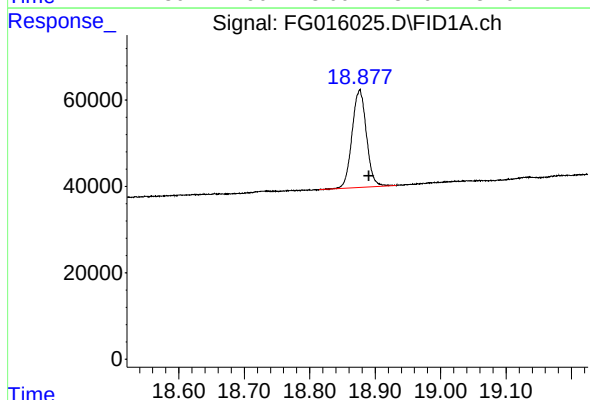
FID\_G

ClientSampleId :

LOD-MDL-WATER-04-QT2-2025

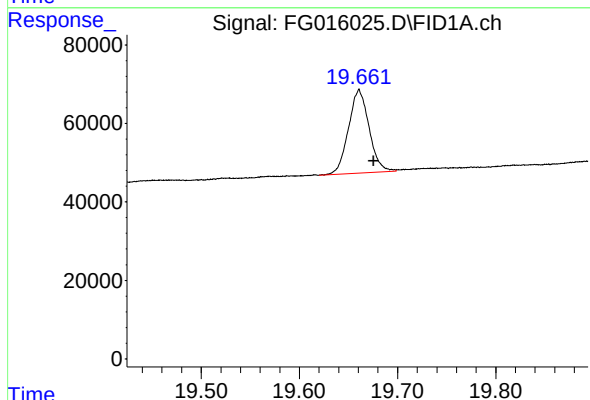
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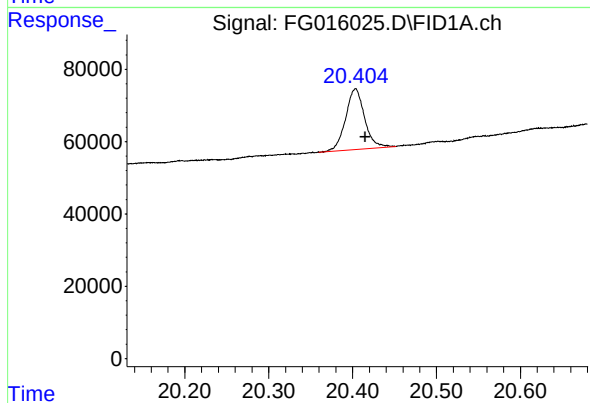
#14 N-DOTRIACONTANE

R.T.: 18.876 min  
Delta R.T.: -0.014 min  
Response: 344742  
Conc: 2.57 ug/ml



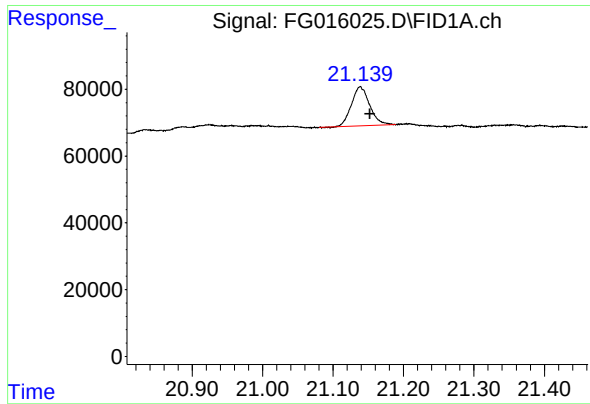
#15 N-TETRATRIACONTANE

R.T.: 19.661 min  
Delta R.T.: -0.015 min  
Response: 310037  
Conc: 2.56 ug/ml



#16 N-HEXATRIACONTANE

R.T.: 20.404 min  
Delta R.T.: -0.011 min  
Response: 263830  
Conc: 2.47 ug/ml



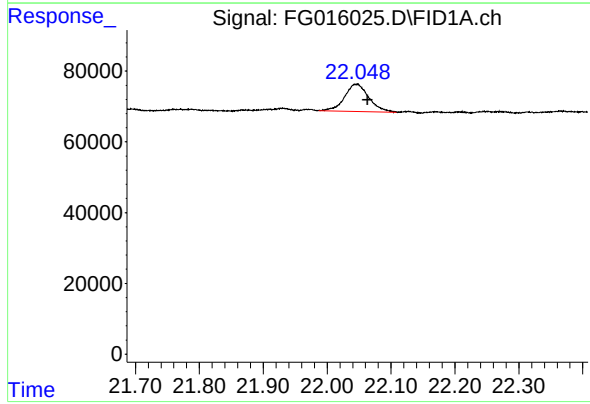
#17 N-OCTATRIACONTANE

R.T.: 21.138 min  
Delta R.T.: -0.014 min  
Response: 211277  
Conc: 2.20 ug/ml

Instrument :  
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#18 N-TETRACONTANE

R.T.: 22.048 min  
Delta R.T.: -0.016 min  
Response: 201377  
Conc: 2.29 ug/ml m