

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF012325\  
 Data File : FF015296.D  
 Signal(s) : FID2B.ch  
 Acq On : 24 Jan 2025 01:09  
 Operator : YP\AJ  
 Sample : Q1168-04  
 Misc : 2.5 PPM SOIL LOD  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 FID\_F  
 ClientSampleId :  
 LOD-MDL-SOIL-04-QT1-2025

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 01/24/2025  
 Supervised By :Ankita Jodhani 01/27/2025

Integration File: autoint1.e  
 Quant Time: Jan 24 05:06:22 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\FF011425.M  
 Quant Title :  
 QLast Update : Tue Jan 14 11:12:55 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... | 15.021 | 1991487  | 15.209 ug/ml |
| Target Compounds              |        |          |              |
| 1) N-OCTANE                   | 2.037  | 296162   | 2.225 ug/ml  |
| 2) N-DECANE                   | 4.568  | 320984   | 2.409 ug/ml  |
| 3) N-DODECANE                 | 6.733  | 313801   | 2.294 ug/ml  |
| 4) N-TETRADECANE              | 8.559  | 300212   | 2.299 ug/ml  |
| 5) N-HEXADECANE               | 10.167 | 293272   | 2.184 ug/ml  |
| 6) N-OCTADECANE               | 11.608 | 297457   | 2.026 ug/ml  |
| 7) N-EICOSANE                 | 12.919 | 302261   | 2.067 ug/ml  |
| 8) N-DOCOSANE                 | 14.119 | 296489   | 2.048 ug/ml  |
| 10) N-TETRACOSANE             | 15.224 | 296789   | 2.050 ug/ml  |
| 11) N-HEXACOSANE              | 16.248 | 286226   | 2.031 ug/ml  |
| 12) N-OCTACOSANE              | 17.197 | 285287   | 2.082 ug/ml  |
| 13) N-TRIACONTANE             | 18.086 | 296178   | 2.227 ug/ml  |
| 14) N-DOTRIACONTANE           | 18.919 | 297620   | 2.343 ug/ml  |
| 15) N-TETRATRIACONTANE        | 19.705 | 260237   | 2.348 ug/ml  |
| 16) N-HEXATRIACONTANE         | 20.447 | 208165   | 2.303 ug/ml  |
| 17) N-OCTATRIACONTANE         | 21.186 | 184123   | 2.278 ug/ml  |
| 18) N-TETRACONTANE            | 22.102 | 185723   | 2.448 ug/mlm |
| -----                         |        |          |              |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Misc : 2.5 PPM SOIL LOD  
ALS Vial : 13 Sample Multiplier: 1

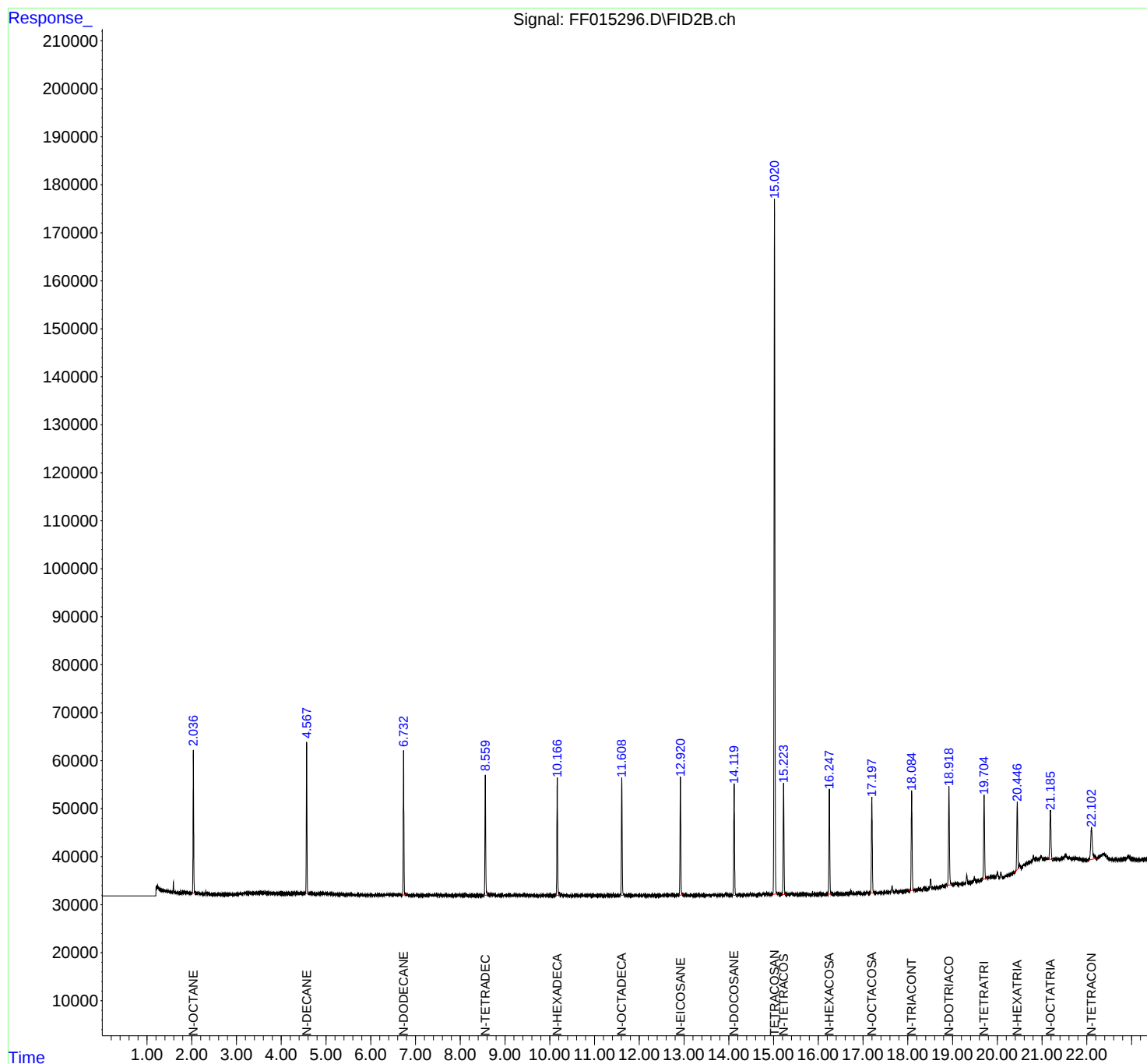
Instrument :  
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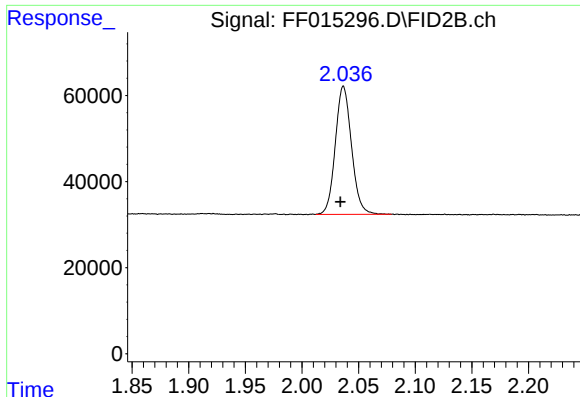
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Signal Phase : Rxi-1ms  
Signal Info : 20mx0.18mmx0.18um





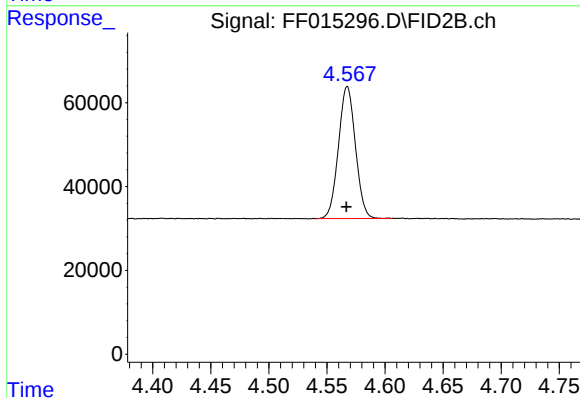
#1 N-OCTANE

R.T.: 2.037 min  
Delta R.T.: 0.003 min  
Response: 296162  
Conc: 2.22 ug/ml

Instrument : FID\_F  
ClientSampleId :  
LOD-MDL-SOIL-04-QT1-2025

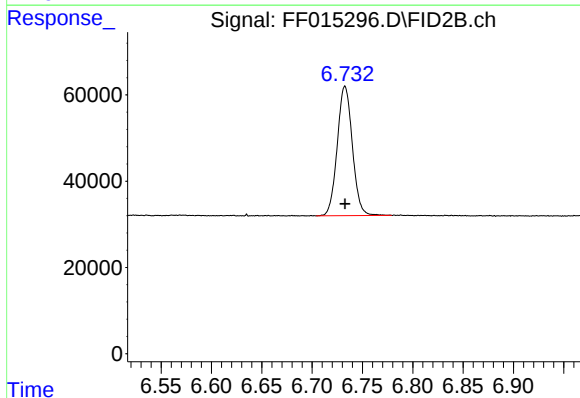
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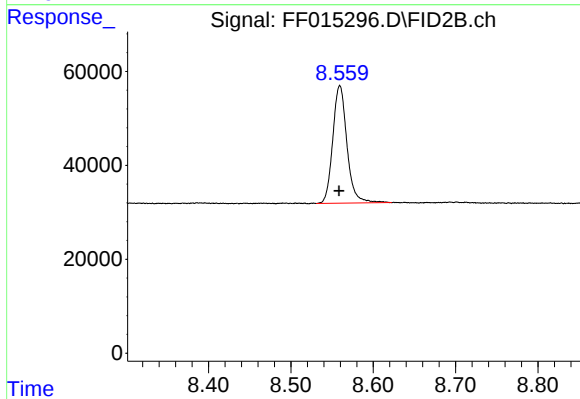
#2 N-DECANE

R.T.: 4.568 min  
Delta R.T.: 0.000 min  
Response: 320984  
Conc: 2.41 ug/ml



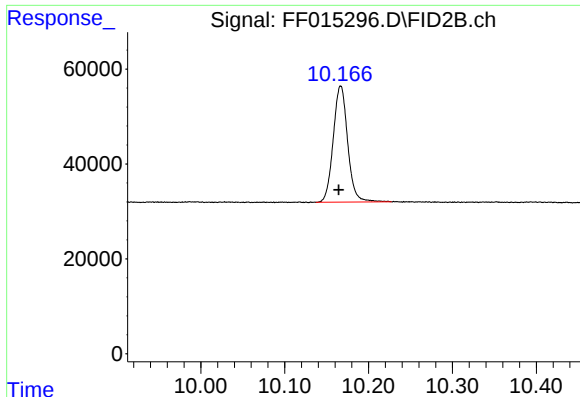
#3 N-DODECANE

R.T.: 6.733 min  
Delta R.T.: 0.000 min  
Response: 313801  
Conc: 2.29 ug/ml



#4 N-TETRADECANE

R.T.: 8.559 min  
Delta R.T.: 0.001 min  
Response: 300212  
Conc: 2.30 ug/ml



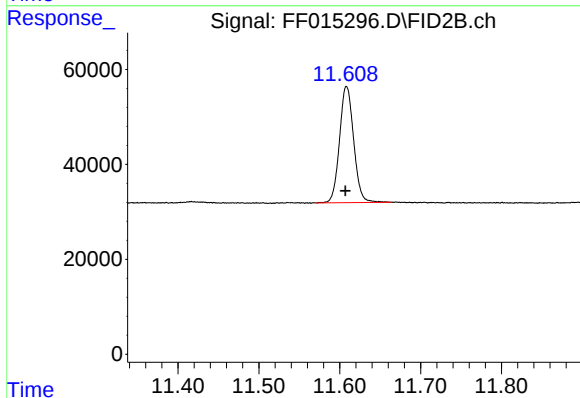
#5 N-HEXADECANE

R.T.: 10.167 min  
Delta R.T.: 0.002 min  
Response: 293272  
Conc: 2.18 ug/ml

Instrument :  
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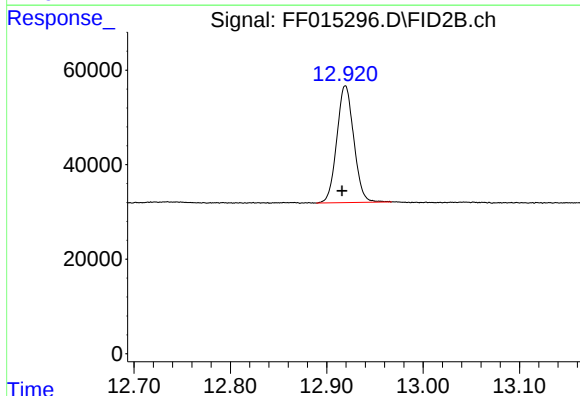
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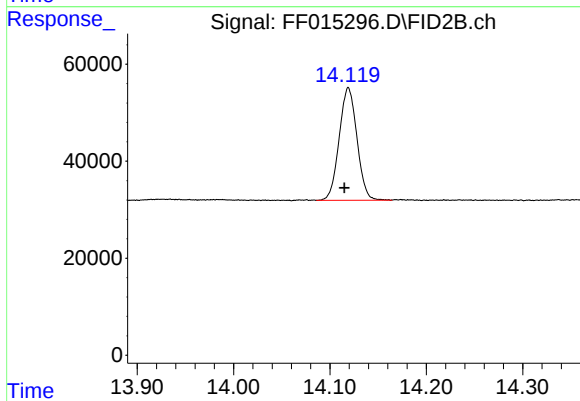
#6 N-OCTADECANE

R.T.: 11.608 min  
Delta R.T.: 0.001 min  
Response: 297457  
Conc: 2.03 ug/ml



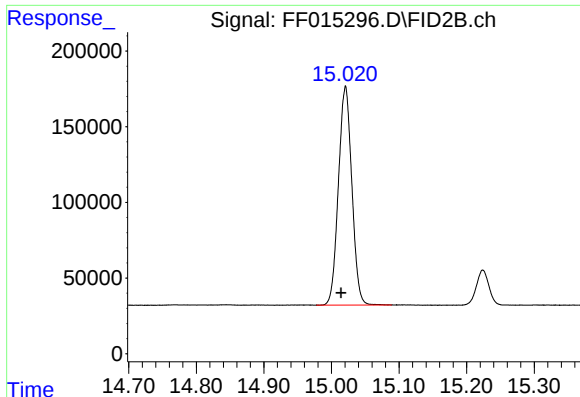
#7 N-EICOSANE

R.T.: 12.919 min  
Delta R.T.: 0.003 min  
Response: 302261  
Conc: 2.07 ug/ml



#8 N-DOCOSANE

R.T.: 14.119 min  
Delta R.T.: 0.004 min  
Response: 296489  
Conc: 2.05 ug/ml



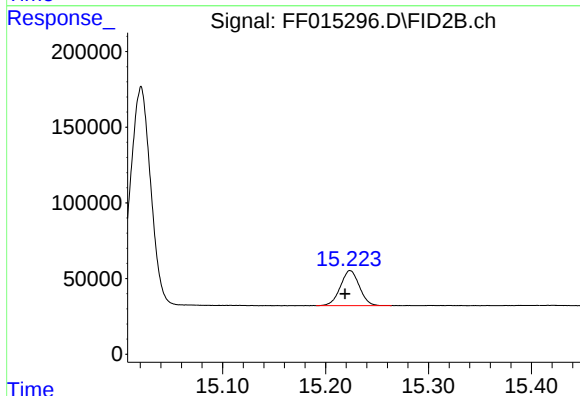
#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.021 min  
Delta R.T.: 0.006 min  
Response: 1991487  
Conc: 15.21 ug/ml

Instrument : FID\_F  
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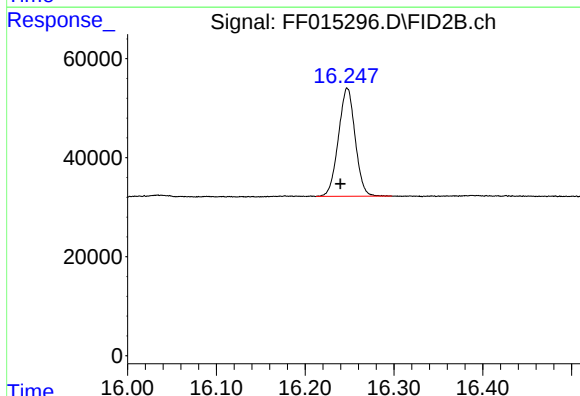
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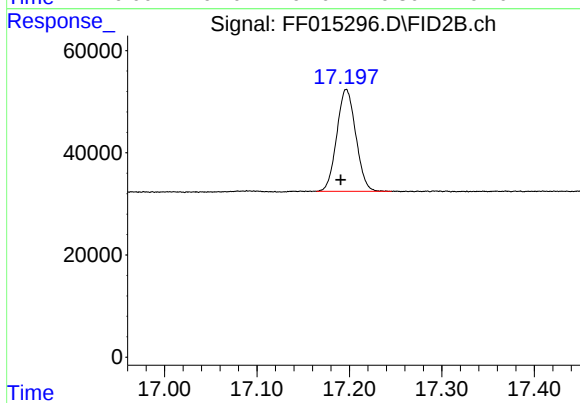
#10 N-TETRACOSANE

R.T.: 15.224 min  
Delta R.T.: 0.005 min  
Response: 296789  
Conc: 2.05 ug/ml



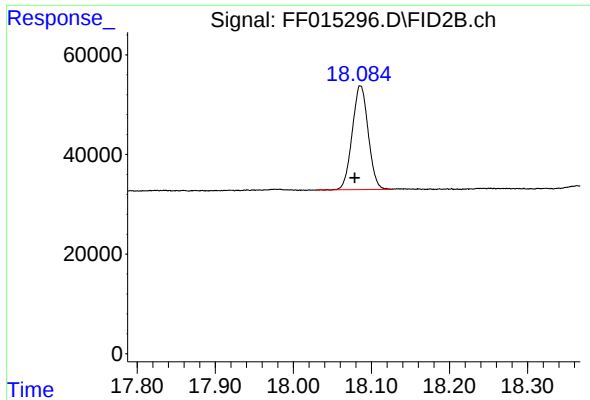
#11 N-HEXACOSANE

R.T.: 16.248 min  
Delta R.T.: 0.008 min  
Response: 286226  
Conc: 2.03 ug/ml



#12 N-OCTACOSANE

R.T.: 17.197 min  
Delta R.T.: 0.006 min  
Response: 285287  
Conc: 2.08 ug/ml



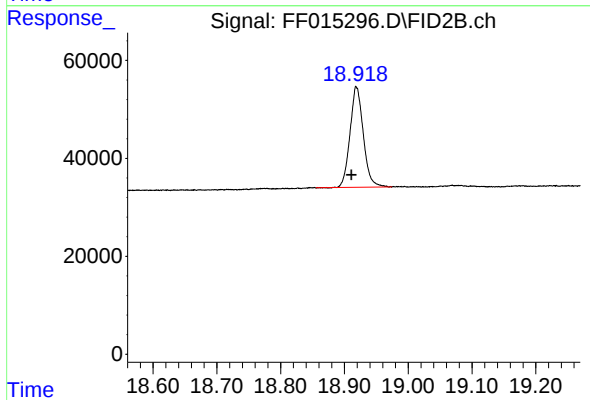
#13 N-TRIACONTANE

R.T.: 18.086 min  
Delta R.T.: 0.007 min  
Response: 296178  
Conc: 2.23 ug/ml

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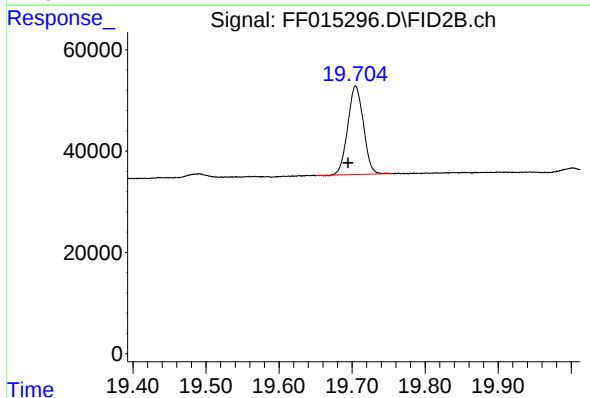
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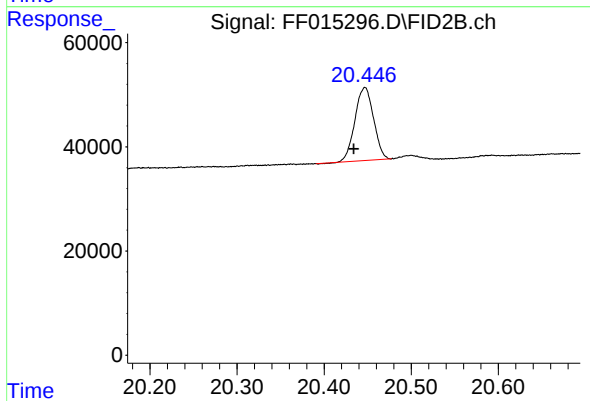
#14 N-DOTRIACONTANE

R.T.: 18.919 min  
Delta R.T.: 0.008 min  
Response: 297620  
Conc: 2.34 ug/ml



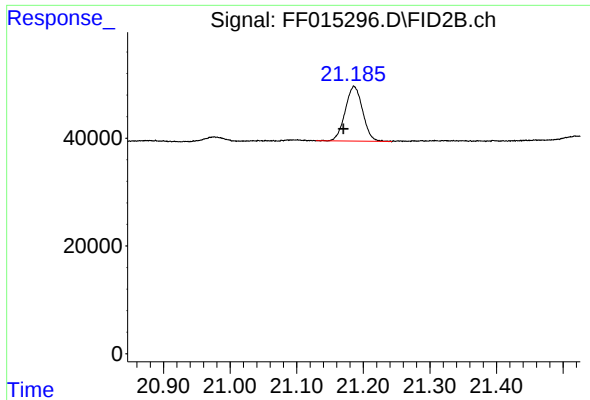
#15 N-TETRATRIACONTANE

R.T.: 19.705 min  
Delta R.T.: 0.010 min  
Response: 260237  
Conc: 2.35 ug/ml



#16 N-HEXATRIACONTANE

R.T.: 20.447 min  
Delta R.T.: 0.013 min  
Response: 208165  
Conc: 2.30 ug/ml



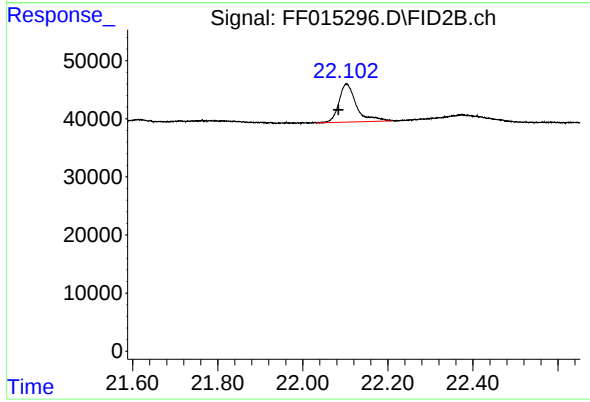
#17 N-OCTATRIACONTANE

R.T.: 21.186 min  
Delta R.T.: 0.016 min  
Response: 184123  
Conc: 2.28 ug/ml

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#18 N-TETRACONTANE

R.T.: 22.102 min  
Delta R.T.: 0.018 min  
Response: 185723  
Conc: 2.45 ug/ml m