

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG082525\
 Data File : FG016371.D
 Signal(s) : FID1A.ch
 Acq On : 25 Aug 2025 14:37
 Operator : YP\AJ
 Sample : Q2893-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 LOD-MDL-SOIL-04-QT3-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/26/2025
 Supervised By :mohammad ahmed 08/27/2025

Integration File: autoint1.e
 Quant Time: Aug 26 07:14:33 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...	15.203	1807710	18.974 ug/ml
Target Compounds			
1) N-OCTANE	2.116	265199	2.499 ug/ml
2) N-DECANE	4.665	282517	2.614 ug/ml
3) N-DODECANE	6.849	281778	2.593 ug/ml
4) N-TETRADECANE	8.691	284335	2.600 ug/ml
5) N-HEXADECANE	10.311	280656	2.582 ug/ml
6) N-OCTADECANE	11.765	286205	2.587 ug/ml
7) N-EICOSANE	13.087	291128	2.576 ug/ml
8) N-DOCOSANE	14.295	279101	2.541 ug/ml
10) N-TETRACOSANE	15.407	279067	2.547 ug/ml
11) N-HEXACOSANE	16.436	268743	2.513 ug/ml
12) N-OCTACOSANE	17.394	268642	2.494 ug/ml
13) N-TRIACONTANE	18.288	269356	2.472 ug/mlm
14) N-DOTRIACONTANE	19.127	246202	2.337 ug/mlm
15) N-TETRATRIACONTANE	19.915	218785	2.296 ug/mlm
16) N-HEXATRIACONTANE	20.661	197753	2.647 ug/ml
17) N-OCTATRIACONTANE	21.453	146498	2.443 ug/ml
18) N-TETRACONTANE	22.459	143446	3.413 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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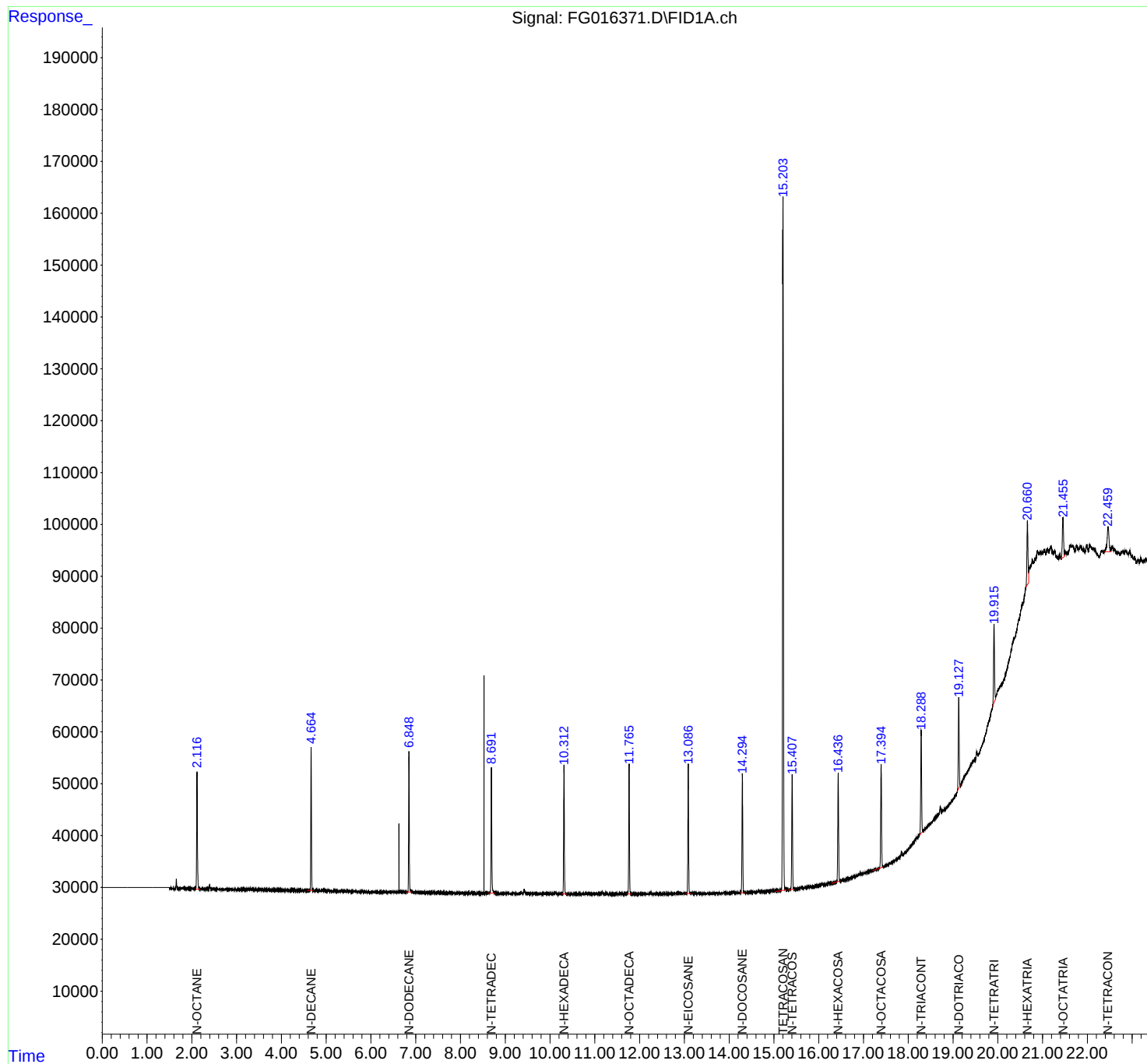
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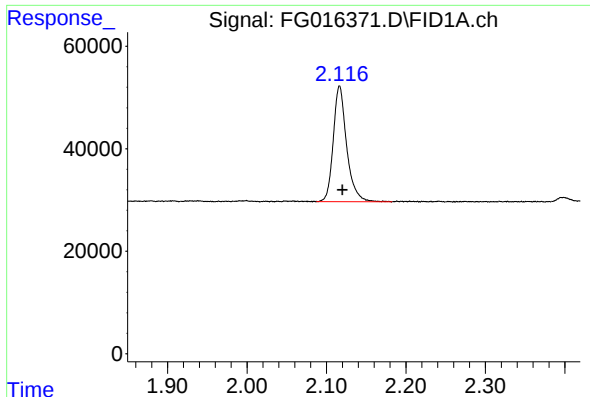
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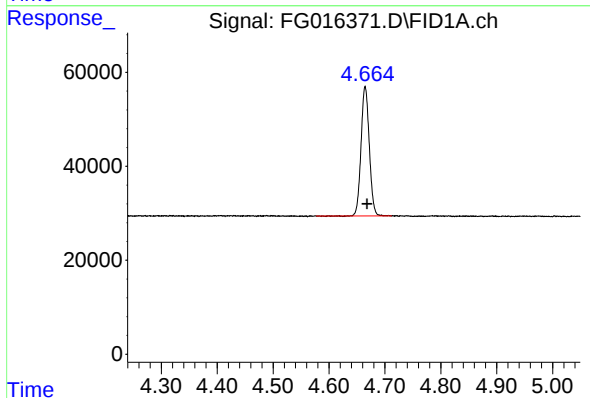
#1 N-OCTANE

R.T.: 2.116 min
Delta R.T.: -0.004 min
Response: 265199
Conc: 2.50 ug/ml

Instrument :
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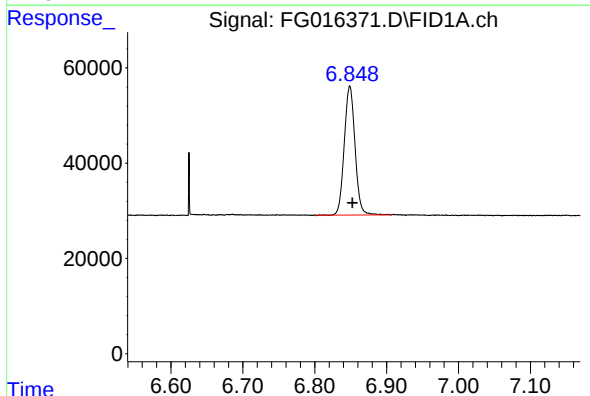
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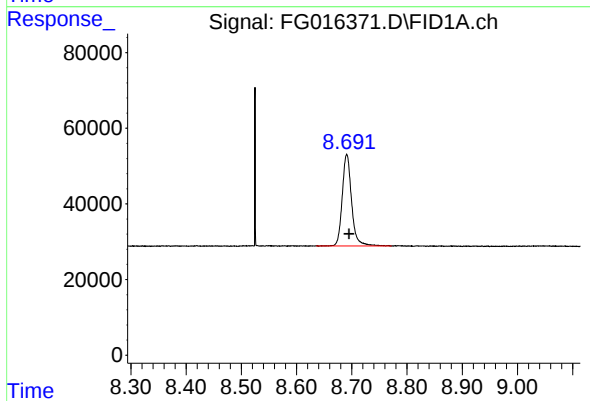
#2 N-DECANE

R.T.: 4.665 min
Delta R.T.: -0.003 min
Response: 282517
Conc: 2.61 ug/ml



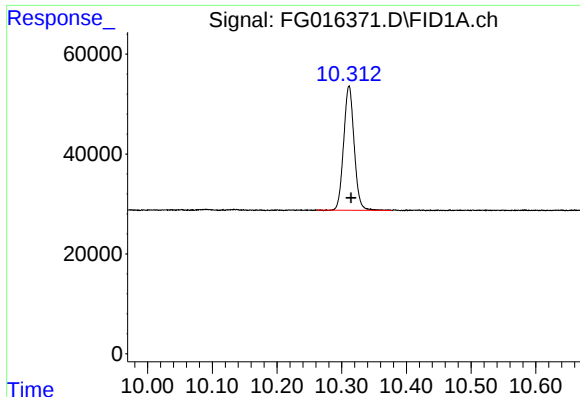
#3 N-DODECANE

R.T.: 6.849 min
Delta R.T.: -0.004 min
Response: 281778
Conc: 2.59 ug/ml



#4 N-TETRADECANE

R.T.: 8.691 min
Delta R.T.: -0.004 min
Response: 284335
Conc: 2.60 ug/ml



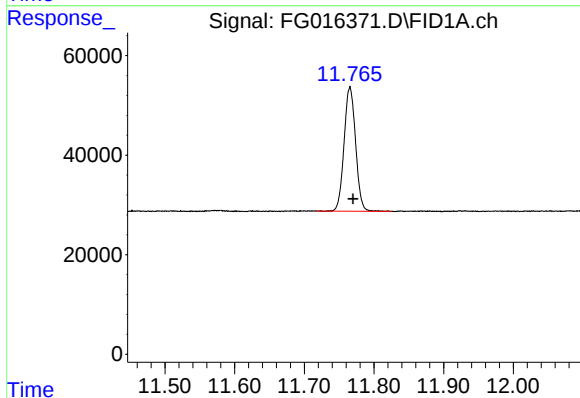
#5 N-HEXADECANE

R.T.: 10.311 min
Delta R.T.: -0.003 min
Response: 280656
Conc: 2.58 ug/ml

Instrument :
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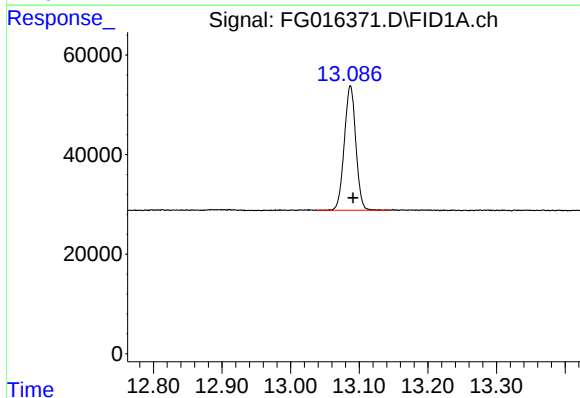
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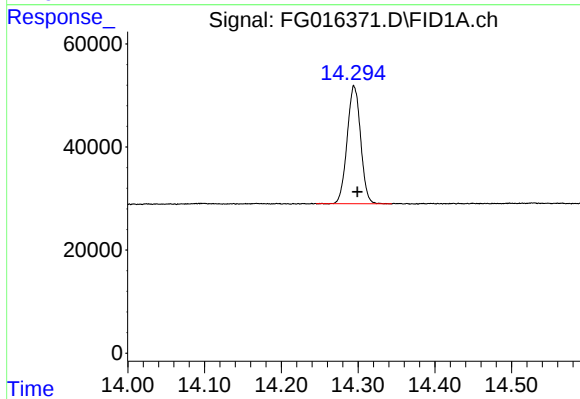
#6 N-OCTADECANE

R.T.: 11.765 min
Delta R.T.: -0.004 min
Response: 286205
Conc: 2.59 ug/ml



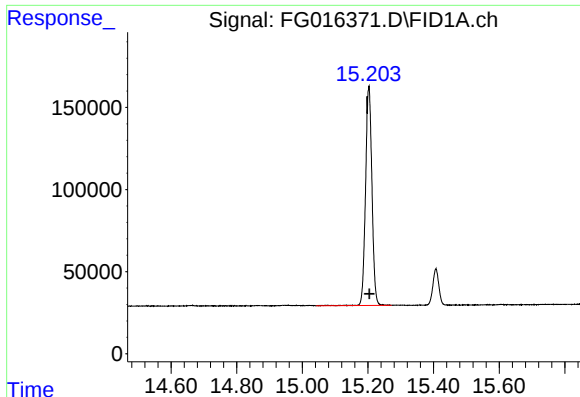
#7 N-EICOSANE

R.T.: 13.087 min
Delta R.T.: -0.004 min
Response: 291128
Conc: 2.58 ug/ml



#8 N-DOCOSANE

R.T.: 14.295 min
Delta R.T.: -0.004 min
Response: 279101
Conc: 2.54 ug/ml



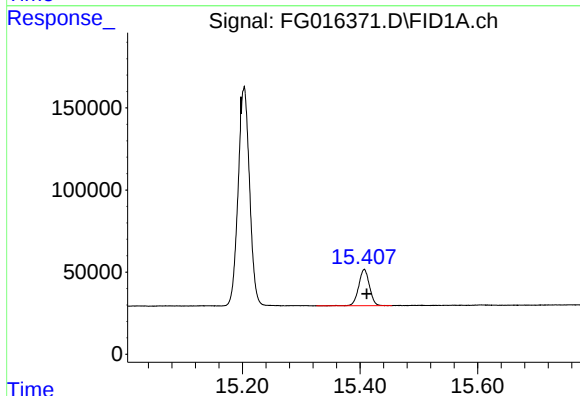
#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.203 min
Delta R.T.: -0.002 min
Response: 1807710
Conc: 18.97 ug/ml

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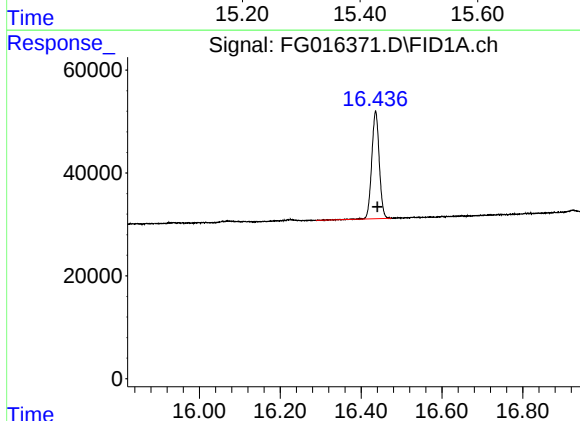
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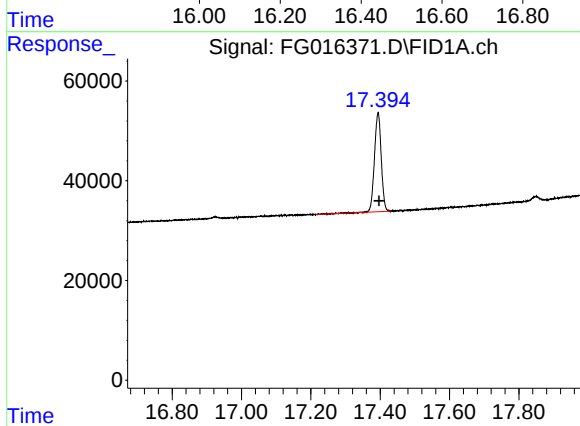
#10 N-TETRACOSANE

R.T.: 15.407 min
Delta R.T.: -0.004 min
Response: 279067
Conc: 2.55 ug/ml



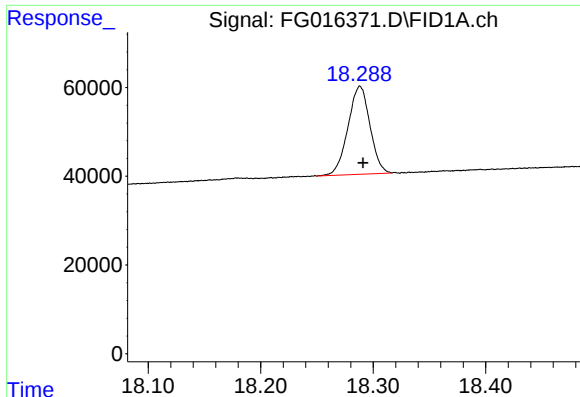
#11 N-HEXACOSANE

R.T.: 16.436 min
Delta R.T.: -0.004 min
Response: 268743
Conc: 2.51 ug/ml



#12 N-OCTACOSANE

R.T.: 17.394 min
Delta R.T.: -0.003 min
Response: 268642
Conc: 2.49 ug/ml



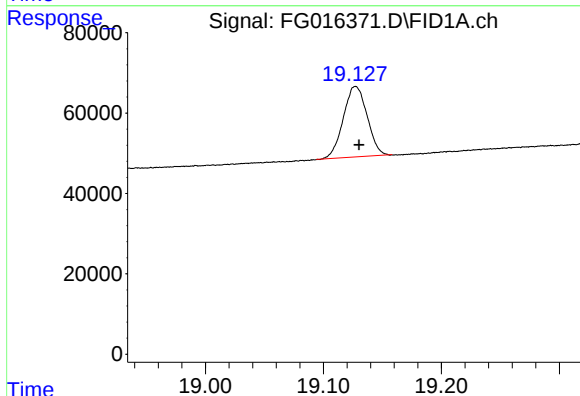
#13 N-TRIACONTANE

R.T.: 18.288 min
Delta R.T.: -0.003 min
Response: 269356
Conc: 2.47 ug/ml

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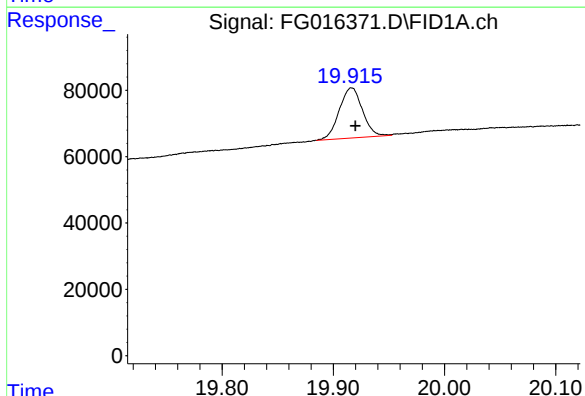
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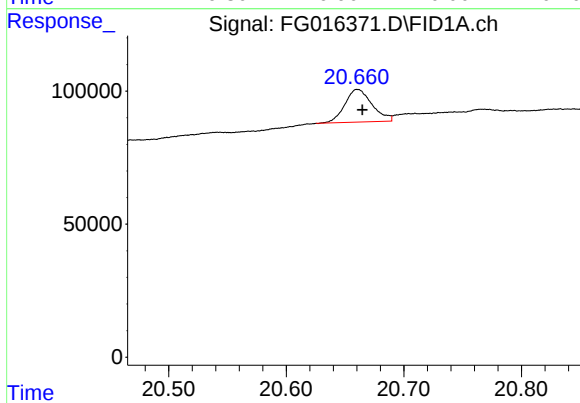
#14 N-DOTRIACONTANE

R.T.: 19.127 min
Delta R.T.: -0.003 min
Response: 246202
Conc: 2.34 ug/ml m



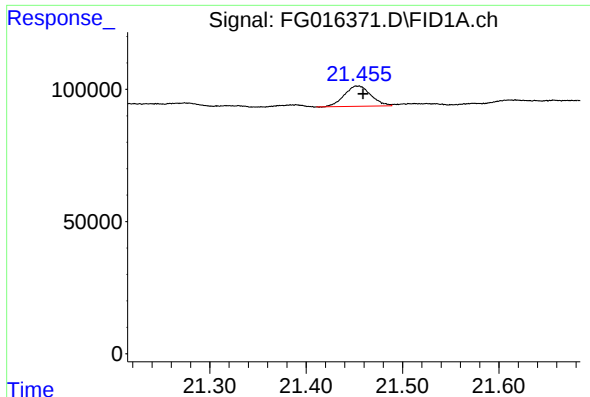
#15 N-TETRATRIACONTANE

R.T.: 19.915 min
Delta R.T.: -0.005 min
Response: 218785
Conc: 2.30 ug/ml m



#16 N-HEXATRIACONTANE

R.T.: 20.661 min
Delta R.T.: -0.004 min
Response: 197753
Conc: 2.65 ug/ml



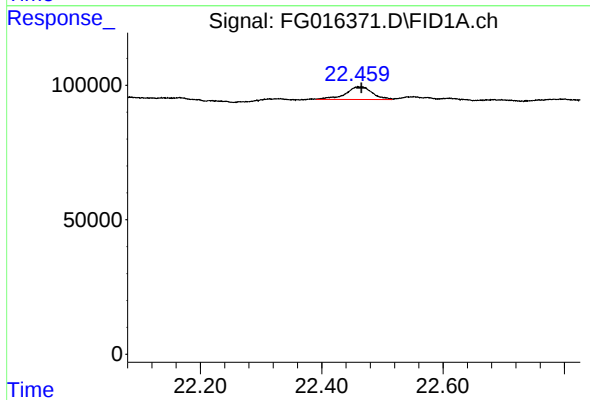
#17 N-OCTATRIACONTANE

R.T.: 21.453 min
Delta R.T.: -0.006 min
Response: 146498
Conc: 2.44 ug/ml

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#18 N-TETRACONTANE

R.T.: 22.459 min
Delta R.T.: -0.006 min
Response: 143446
Conc: 3.41 ug/ml m