

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG082525\
 Data File : FG016375.D
 Signal(s) : FID1A.ch
 Acq On : 25 Aug 2025 16:36
 Operator : YP\AJ
 Sample : Q2893-10
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 LOD-MDL-WATER-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 07:18:57 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...	15.201	1804624	18.941 ug/ml
Target Compounds			
1) N-OCTANE	2.117	263008	2.478 ug/ml
2) N-DECANE	4.664	282673	2.616 ug/ml
3) N-DODECANE	6.848	282696	2.601 ug/ml
4) N-TETRADECANE	8.690	286435	2.620 ug/ml
5) N-HEXADECANE	10.310	280212	2.578 ug/ml
6) N-OCTADECANE	11.765	286469	2.590 ug/ml
7) N-EICOSANE	13.084	292806	2.591 ug/ml
8) N-DOCOSANE	14.293	283862	2.584 ug/ml
10) N-TETRACOSANE	15.406	282571	2.579 ug/ml
11) N-HEXACOSANE	16.434	273685	2.559 ug/ml
12) N-OCTACOSANE	17.390	304393	2.825 ug/mlm
13) N-TRIACONTANE	18.286	417575	3.832 ug/mlm
14) N-DOTRIACONTANE	19.125	420845	3.995 ug/mlm
15) N-TETRATRIACONTANE	19.914	310680	3.260 ug/mlm
16) N-HEXATRIACONTANE	20.659	239331	3.203 ug/ml
17) N-OCTATRIACONTANE	21.451	180377	3.008 ug/ml
18) N-TETRACONTANE	22.457	156151	3.715 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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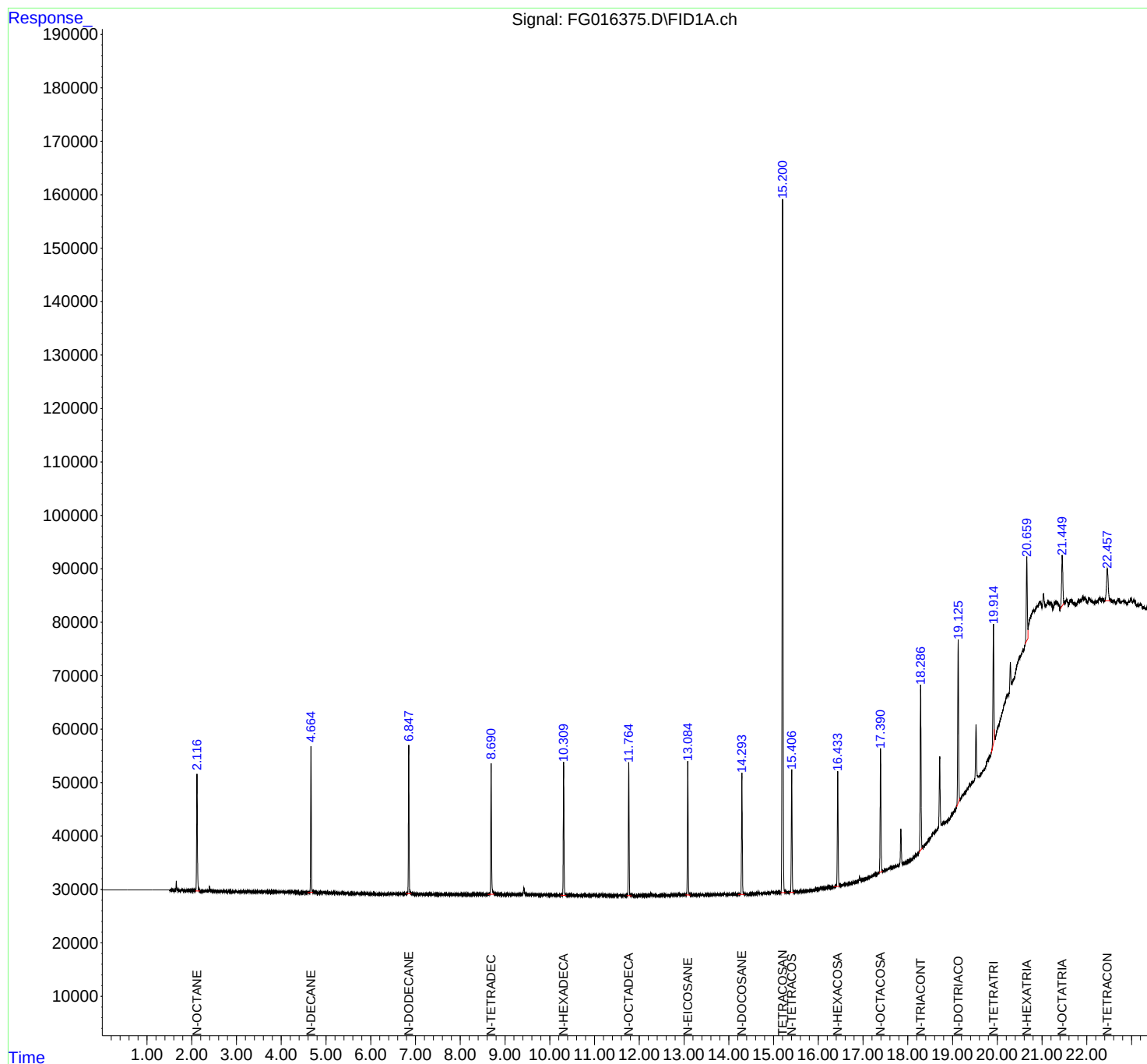
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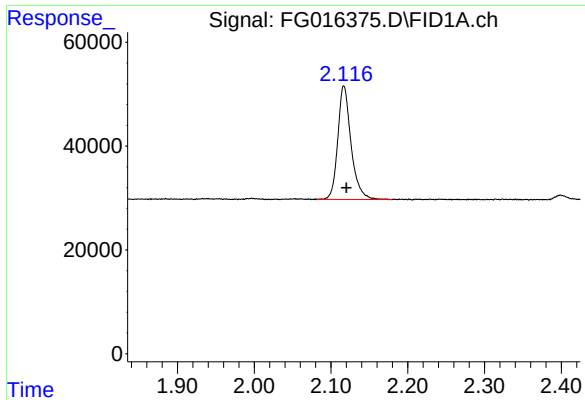
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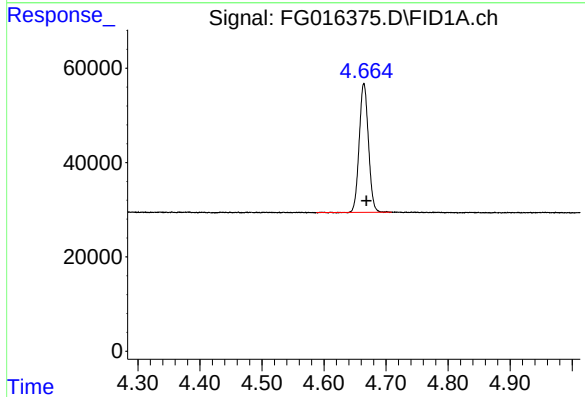
#1 N-OCTANE

R.T.: 2.117 min
Delta R.T.: -0.003 min
Response: 263008
Conc: 2.48 ug/ml

Instrument :
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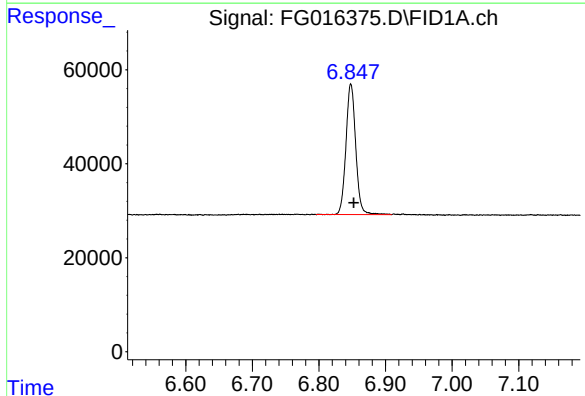
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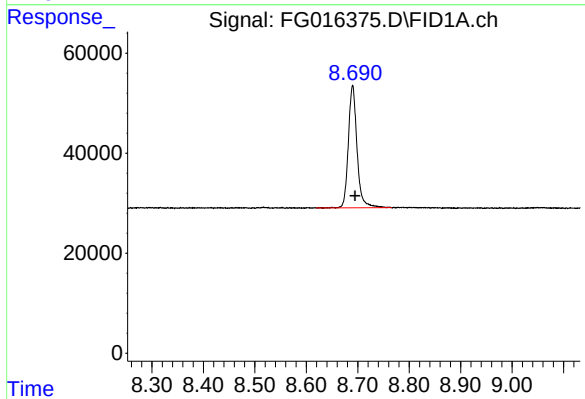
#2 N-DECANE

R.T.: 4.664 min
Delta R.T.: -0.004 min
Response: 282673
Conc: 2.62 ug/ml



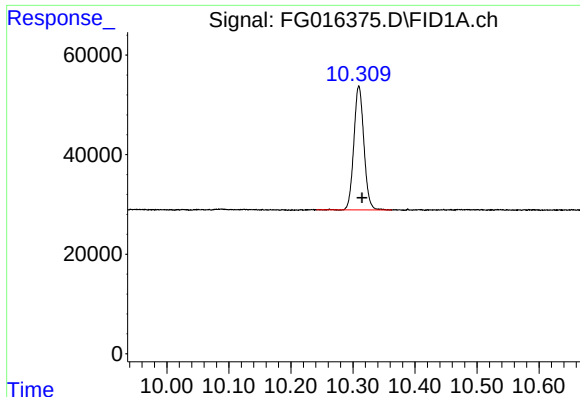
#3 N-DODECANE

R.T.: 6.848 min
Delta R.T.: -0.004 min
Response: 282696
Conc: 2.60 ug/ml



#4 N-TETRADECANE

R.T.: 8.690 min
Delta R.T.: -0.005 min
Response: 286435
Conc: 2.62 ug/ml



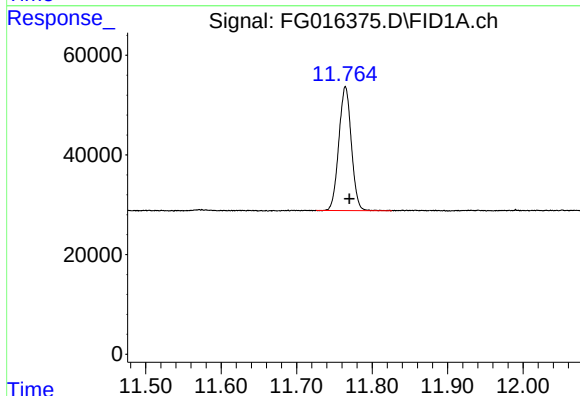
#5 N-HEXADECANE

R.T.: 10.310 min
Delta R.T.: -0.005 min
Response: 280212
Conc: 2.58 ug/ml

Instrument :
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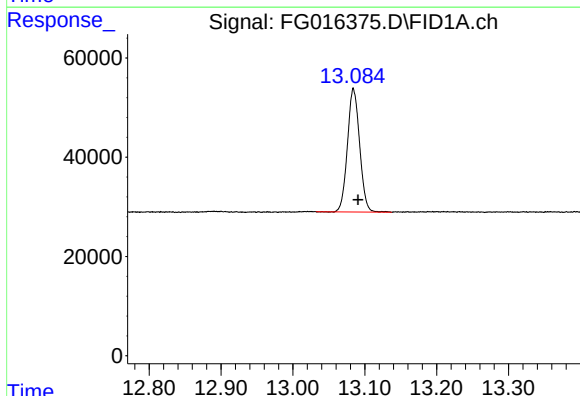
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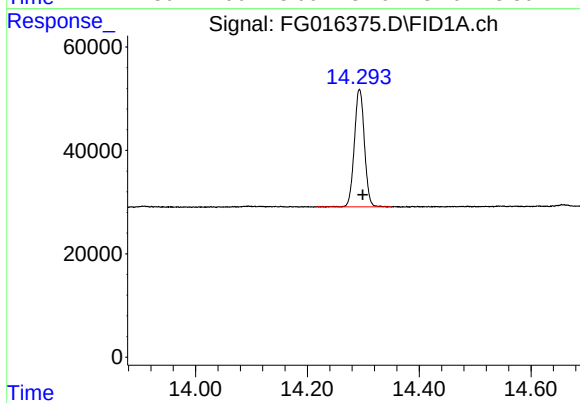
#6 N-OCTADECANE

R.T.: 11.765 min
Delta R.T.: -0.005 min
Response: 286469
Conc: 2.59 ug/ml



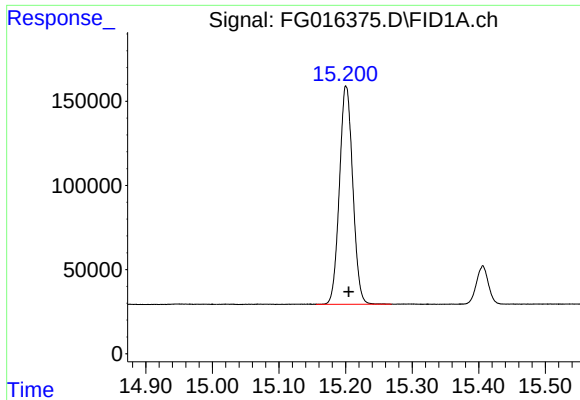
#7 N-EICOSANE

R.T.: 13.084 min
Delta R.T.: -0.006 min
Response: 292806
Conc: 2.59 ug/ml



#8 N-DOCOSANE

R.T.: 14.293 min
Delta R.T.: -0.006 min
Response: 283862
Conc: 2.58 ug/ml



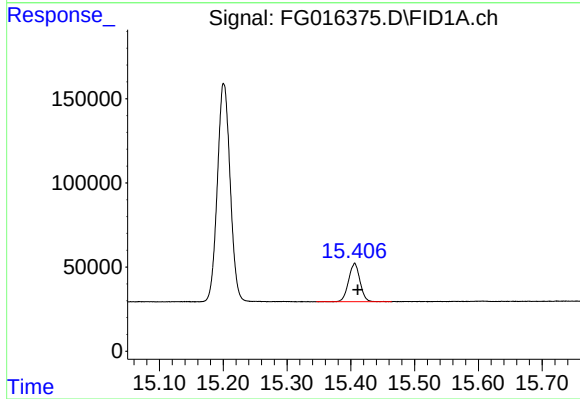
#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.201 min
Delta R.T.: -0.004 min
Response: 1804624
Conc: 18.94 ug/ml

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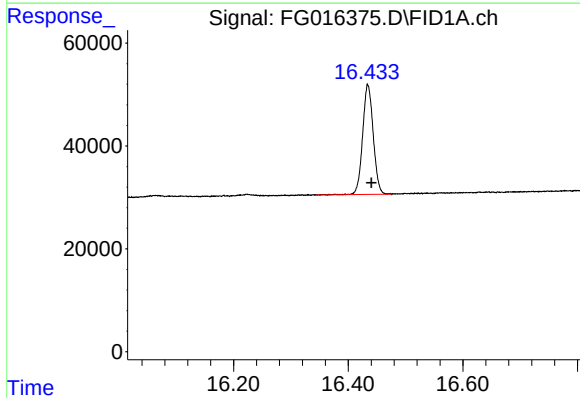
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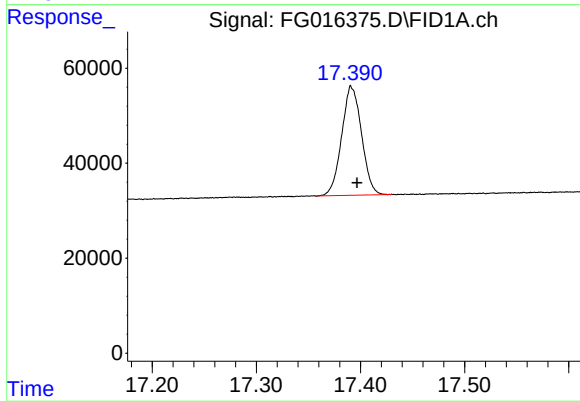
#10 N-TETRACOSANE

R.T.: 15.406 min
Delta R.T.: -0.005 min
Response: 282571
Conc: 2.58 ug/ml



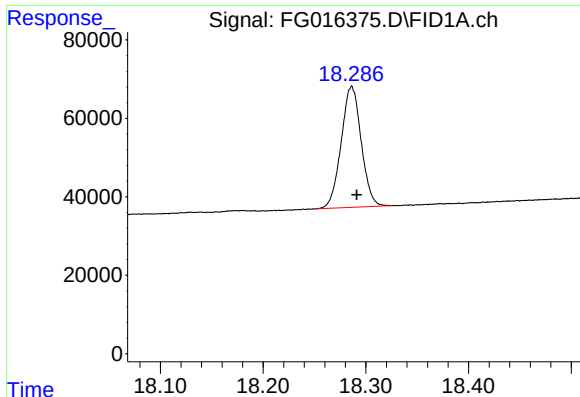
#11 N-HEXACOSANE

R.T.: 16.434 min
Delta R.T.: -0.006 min
Response: 273685
Conc: 2.56 ug/ml



#12 N-OCTACOSANE

R.T.: 17.390 min
Delta R.T.: -0.007 min
Response: 304393
Conc: 2.83 ug/ml m



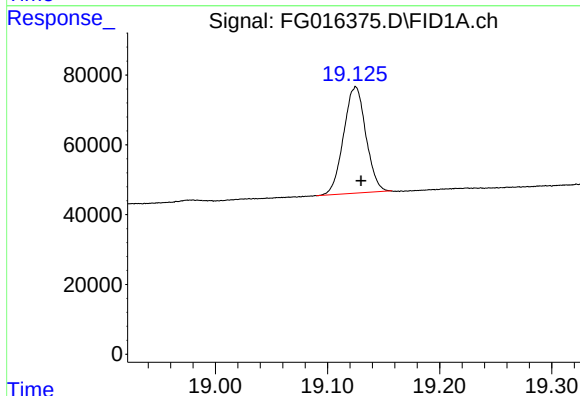
#13 N-TRIACONTANE

R.T.: 18.286 min
Delta R.T.: -0.005 min
Response: 417575
Conc: 3.83 ug/ml

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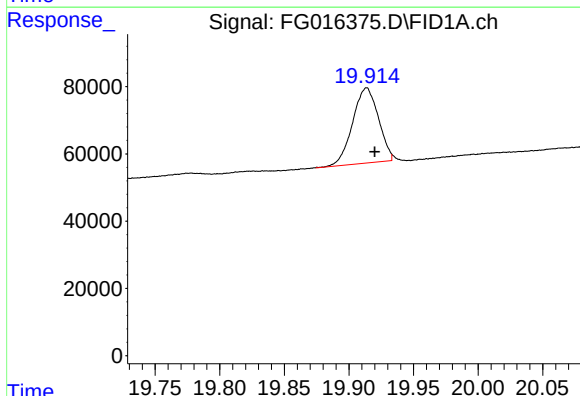
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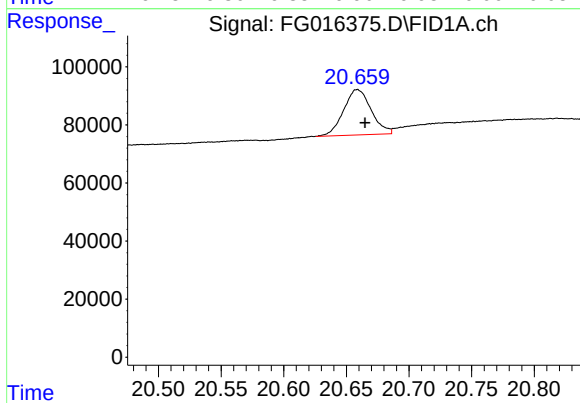
#14 N-DOTRIACONTANE

R.T.: 19.125 min
Delta R.T.: -0.006 min
Response: 420845
Conc: 4.00 ug/ml m



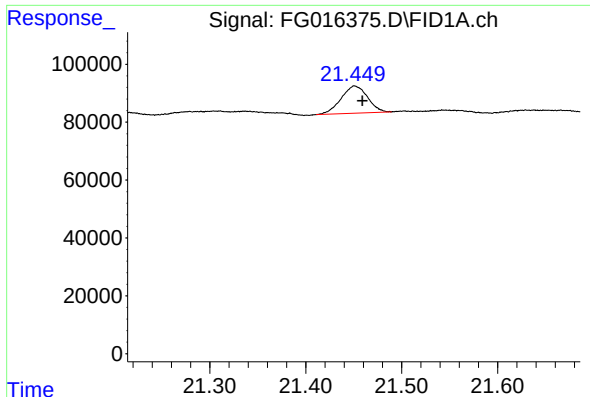
#15 N-TETRATRIACONTANE

R.T.: 19.914 min
Delta R.T.: -0.006 min
Response: 310680
Conc: 3.26 ug/ml m



#16 N-HEXATRIACONTANE

R.T.: 20.659 min
Delta R.T.: -0.006 min
Response: 239331
Conc: 3.20 ug/ml



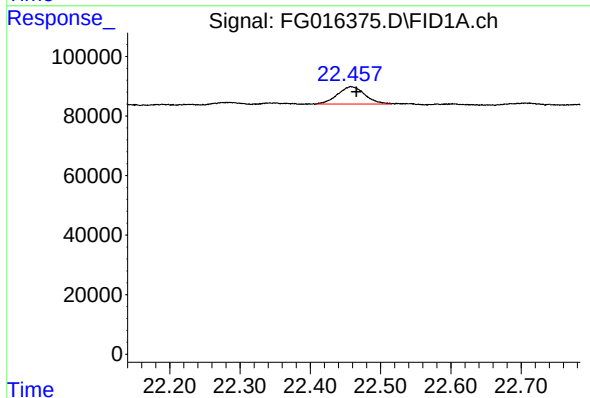
#17 N-OCTATRIACONTANE

R.T.: 21.451 min
Delta R.T.: -0.008 min
Response: 180377
Conc: 3.01 ug/ml

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#18 N-TETRACONTANE

R.T.: 22.457 min
Delta R.T.: -0.009 min
Response: 156151
Conc: 3.72 ug/ml m