

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG082525\
 Data File : FG016376.D
 Signal(s) : FID1A.ch
 Acq On : 25 Aug 2025 17:06
 Operator : YP\AJ
 Sample : Q2893-11
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 LOQ-WATER-05-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 07:20:58 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...	15.200	2023568	21.239 ug/ml
Target Compounds			
1) N-OCTANE	2.119	544496	5.131 ug/ml
2) N-DECANE	4.665	594681	5.503 ug/ml
3) N-DODECANE	6.848	601739	5.537 ug/ml
4) N-TETRADECANE	8.690	618636	5.658 ug/ml
5) N-HEXADECANE	10.309	609243	5.605 ug/ml
6) N-OCTADECANE	11.764	619393	5.600 ug/ml
7) N-EICOSANE	13.084	626375	5.542 ug/ml
8) N-DOCOSANE	14.293	605447	5.511 ug/ml
10) N-TETRACOSANE	15.405	601892	5.493 ug/ml
11) N-HEXACOSANE	16.434	580526	5.428 ug/ml
12) N-OCTACOSANE	17.392	582732	5.409 ug/ml
13) N-TRIACONTANE	18.285	627577	5.760 ug/ml
14) N-DOTRIACONTANE	19.124	623727	5.922 ug/mlm
15) N-TETRATRIACONTANE	19.914	508740	5.339 ug/mlm
16) N-HEXATRIACONTANE	20.658	410989	5.500 ug/ml
17) N-OCTATRIACONTANE	21.451	325982	5.437 ug/mlm
18) N-TETRACONTANE	22.457	283242	6.739 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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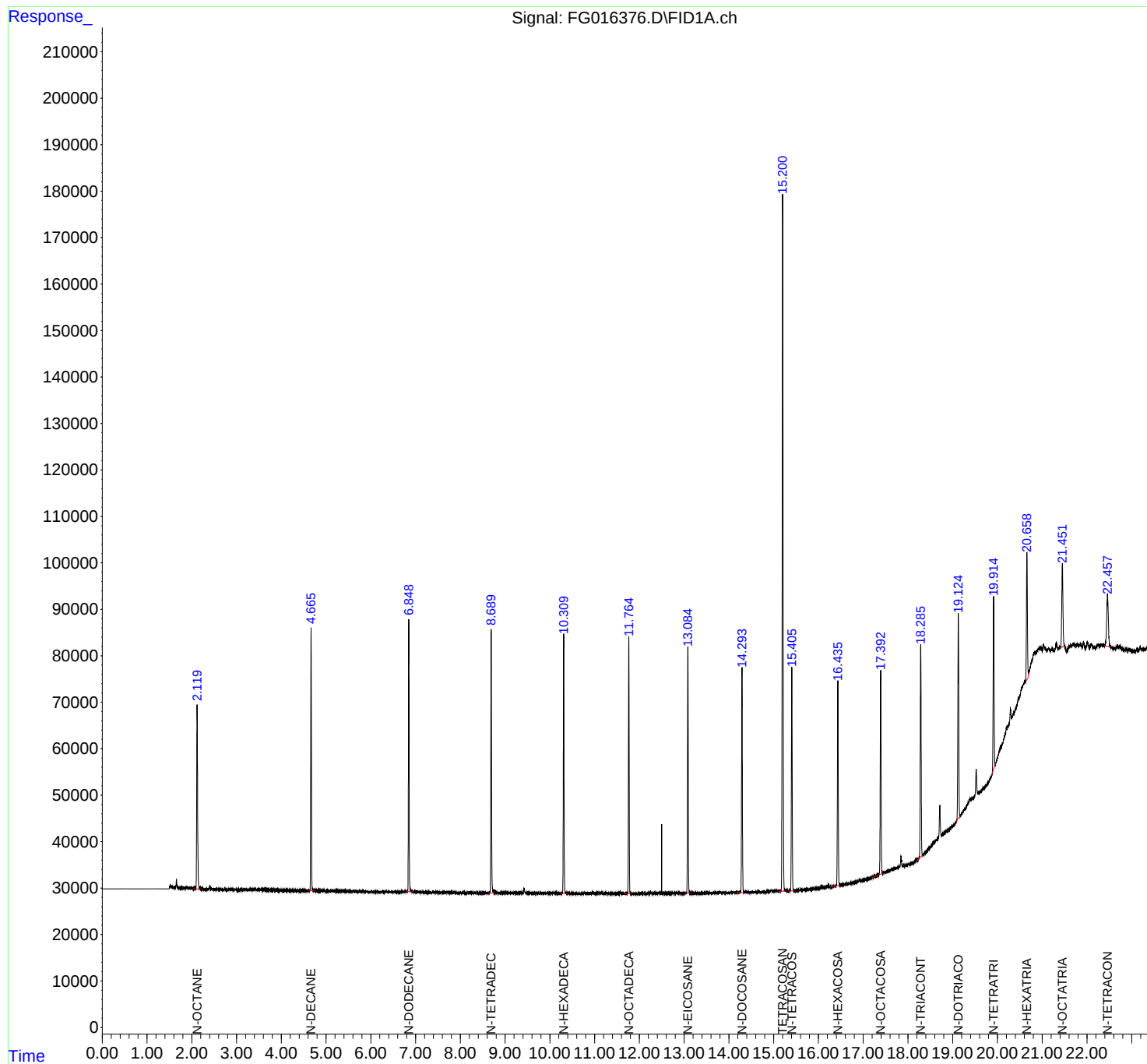
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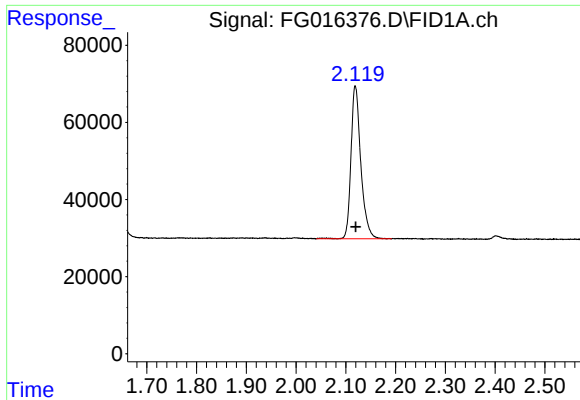
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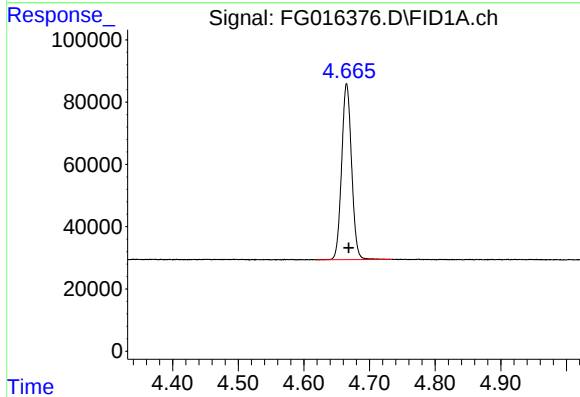
#1 N-OCTANE

R.T.: 2.119 min
Delta R.T.: 0.000 min
Response: 544496
Conc: 5.13 ug/ml

Instrument :
FID_G
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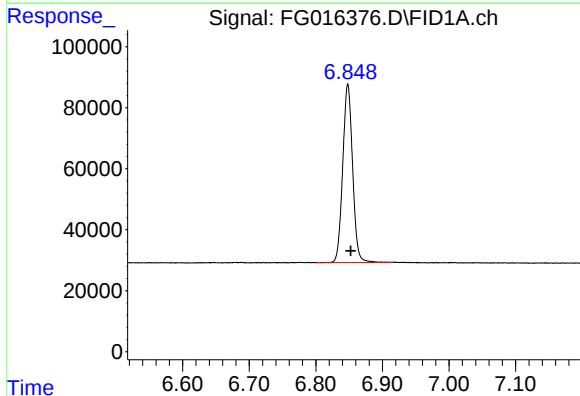
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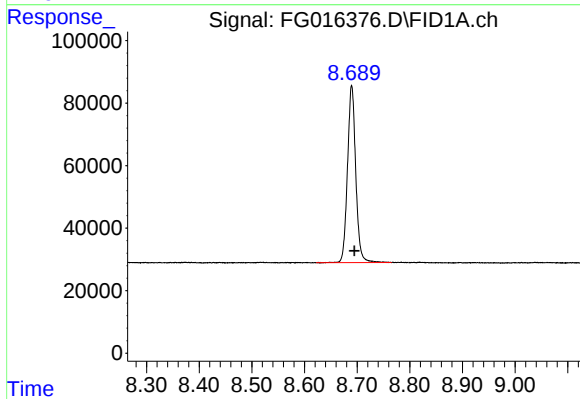
#2 N-DECANE

R.T.: 4.665 min
Delta R.T.: -0.003 min
Response: 594681
Conc: 5.50 ug/ml



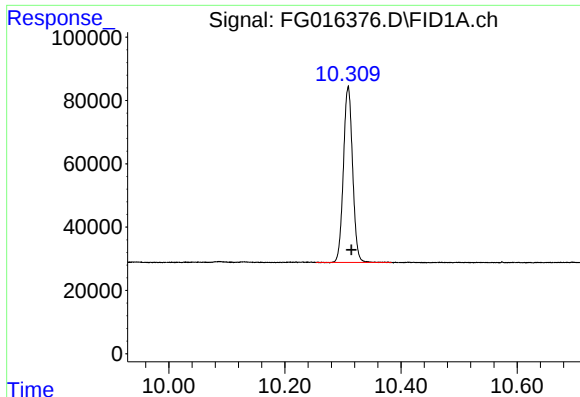
#3 N-DODECANE

R.T.: 6.848 min
Delta R.T.: -0.004 min
Response: 601739
Conc: 5.54 ug/ml



#4 N-TETRADECANE

R.T.: 8.690 min
Delta R.T.: -0.005 min
Response: 618636
Conc: 5.66 ug/ml



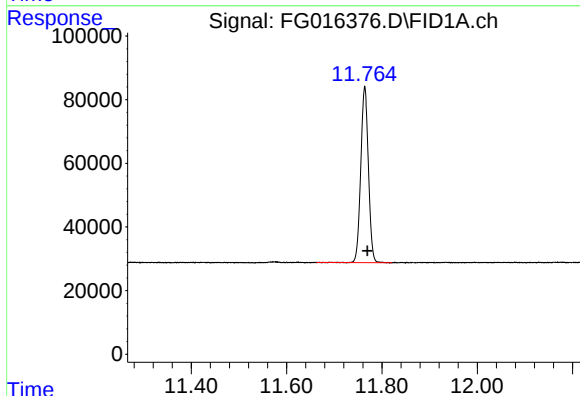
#5 N-HEXADECANE

R.T.: 10.309 min
Delta R.T.: -0.006 min
Response: 609243
Conc: 5.60 ug/ml

Instrument :
FID_G
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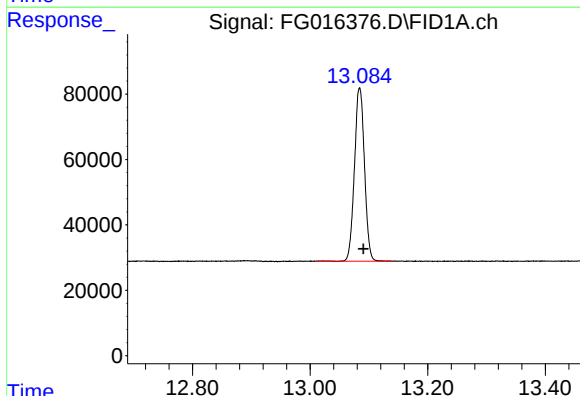
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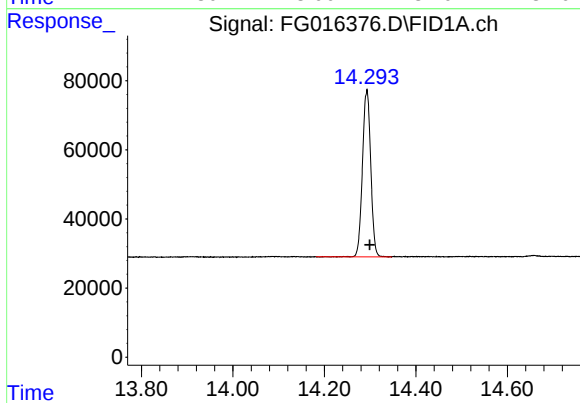
#6 N-OCTADECANE

R.T.: 11.764 min
Delta R.T.: -0.006 min
Response: 619393
Conc: 5.60 ug/ml



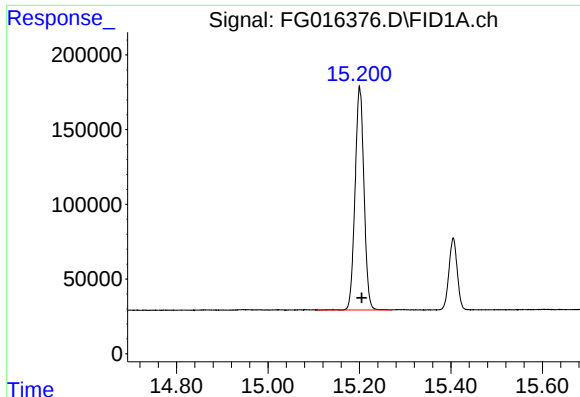
#7 N-EICOSANE

R.T.: 13.084 min
Delta R.T.: -0.007 min
Response: 626375
Conc: 5.54 ug/ml



#8 N-DOCOSANE

R.T.: 14.293 min
Delta R.T.: -0.006 min
Response: 605447
Conc: 5.51 ug/ml



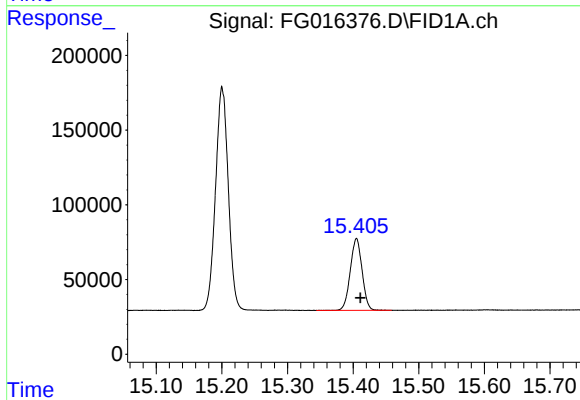
#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.200 min
Delta R.T.: -0.005 min
Response: 2023568
Conc: 21.24 ug/ml

Instrument :
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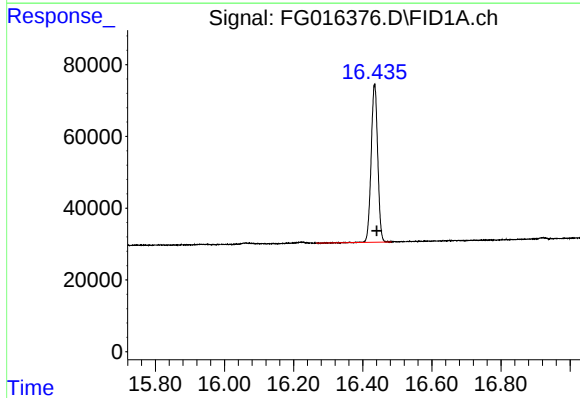
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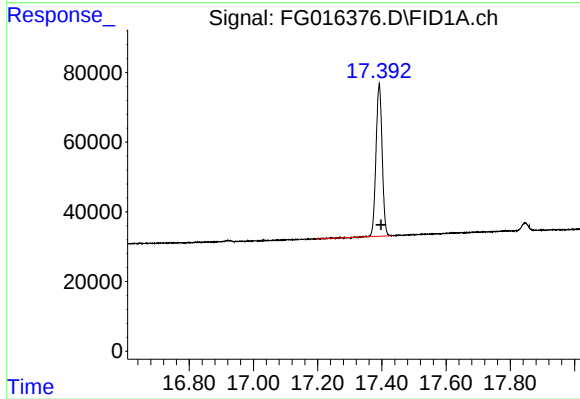
#10 N-TETRACOSANE

R.T.: 15.405 min
Delta R.T.: -0.006 min
Response: 601892
Conc: 5.49 ug/ml



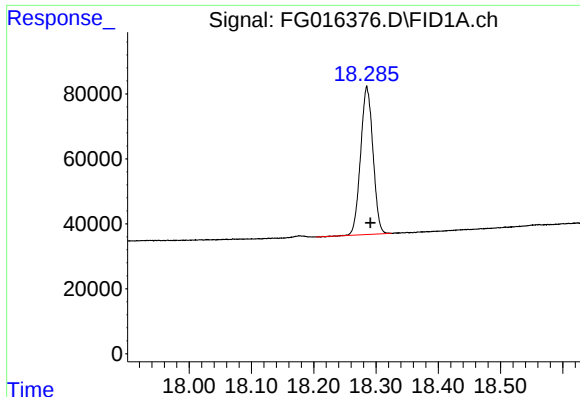
#11 N-HEXACOSANE

R.T.: 16.434 min
Delta R.T.: -0.006 min
Response: 580526
Conc: 5.43 ug/ml



#12 N-OCTACOSANE

R.T.: 17.392 min
Delta R.T.: -0.005 min
Response: 582732
Conc: 5.41 ug/ml



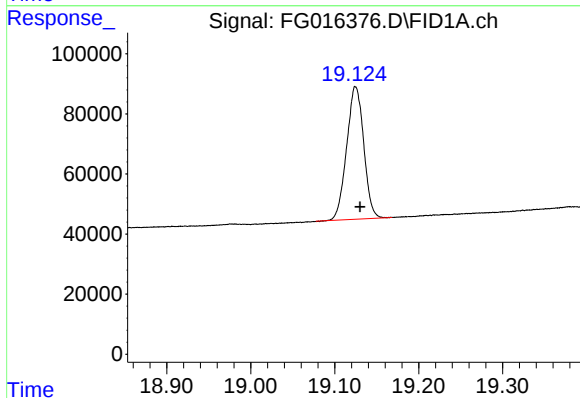
#13 N-TRIACONTANE

R.T.: 18.285 min
Delta R.T.: -0.006 min
Response: 627577
Conc: 5.76 ug/ml

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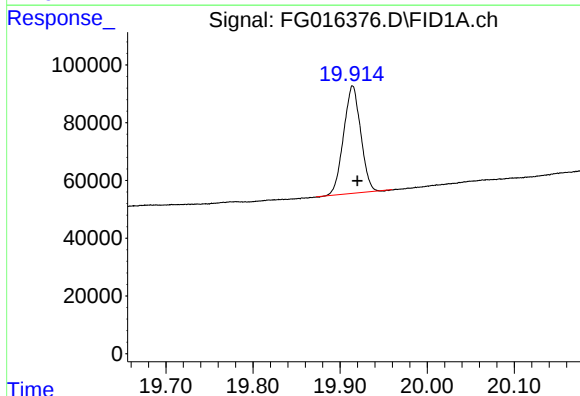
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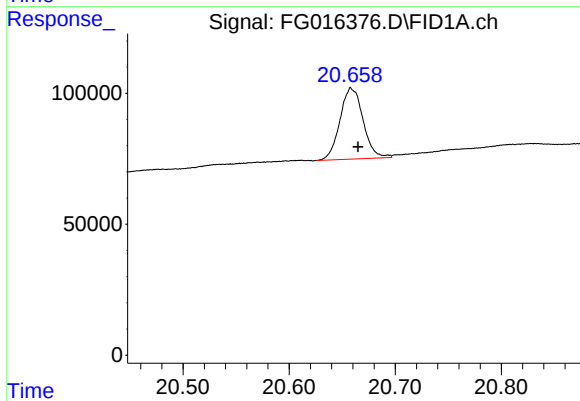
#14 N-DOTRIACONTANE

R.T.: 19.124 min
Delta R.T.: -0.006 min
Response: 623727
Conc: 5.92 ug/ml m



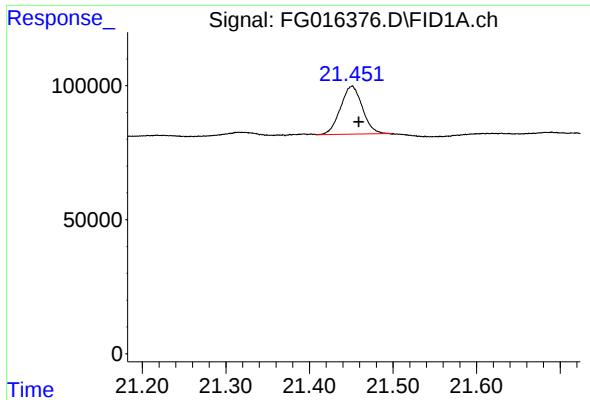
#15 N-TETRATRIACONTANE

R.T.: 19.914 min
Delta R.T.: -0.006 min
Response: 508740
Conc: 5.34 ug/ml m



#16 N-HEXATRIACONTANE

R.T.: 20.658 min
Delta R.T.: -0.006 min
Response: 410989
Conc: 5.50 ug/ml



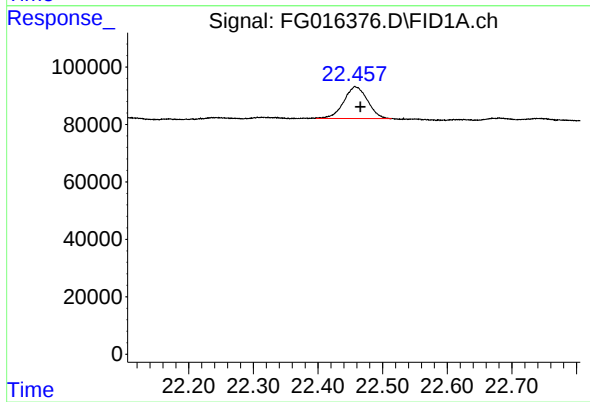
#17 N-OCTATRIACONTANE

R.T.: 21.451 min
Delta R.T.: -0.008 min
Response: 325982
Conc: 5.44 ug/ml

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#18 N-TETRACONTANE

R.T.: 22.457 min
Delta R.T.: -0.009 min
Response: 283242
Conc: 6.74 ug/ml m