

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG082725\
 Data File : FG016413.D
 Signal(s) : FID1A.ch
 Acq On : 27 Aug 2025 11:40
 Operator : YP\AJ
 Sample : Q2893-12
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 MDL-WATER-06-QT3-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/28/2025
 Supervised By :mohammad ahmed 08/29/2025

Integration File: autoint1.e
 Quant Time: Aug 28 04:20:14 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...	15.190	1919765	20.150 ug/ml
Target Compounds			
1) N-OCTANE	2.112	113943	1.074 ug/ml
2) N-DECANE	4.658	125061	1.157 ug/ml
3) N-DODECANE	6.840	113167	1.041 ug/ml
4) N-TETRADECANE	8.682	117238	1.072 ug/ml
5) N-HEXADECANE	10.303	124320	1.144 ug/ml
6) N-OCTADECANE	11.755	134053	1.212 ug/ml
7) N-EICOSANE	13.075	134670	1.192 ug/ml
8) N-DOCOSANE	14.281	133432	1.215 ug/ml
10) N-TETRACOSANE	15.393	141414	1.291 ug/mlm
11) N-HEXACOSANE	16.423	139700	1.306 ug/ml
12) N-OCTACOSANE	17.379	159331	1.479 ug/ml
13) N-TRIACONTANE	18.272	209344	1.921 ug/mlm
14) N-DOTRIACONTANE	19.111	245791	2.334 ug/ml
15) N-TETRATRIACONTANE	19.900	203732	2.138 ug/ml
16) N-HEXATRIACONTANE	20.644	149408	2.000 ug/mlm
17) N-OCTATRIACONTANE	21.434	116562	1.944 ug/mlm
18) N-TETRACONTANE	22.431	89602	2.132 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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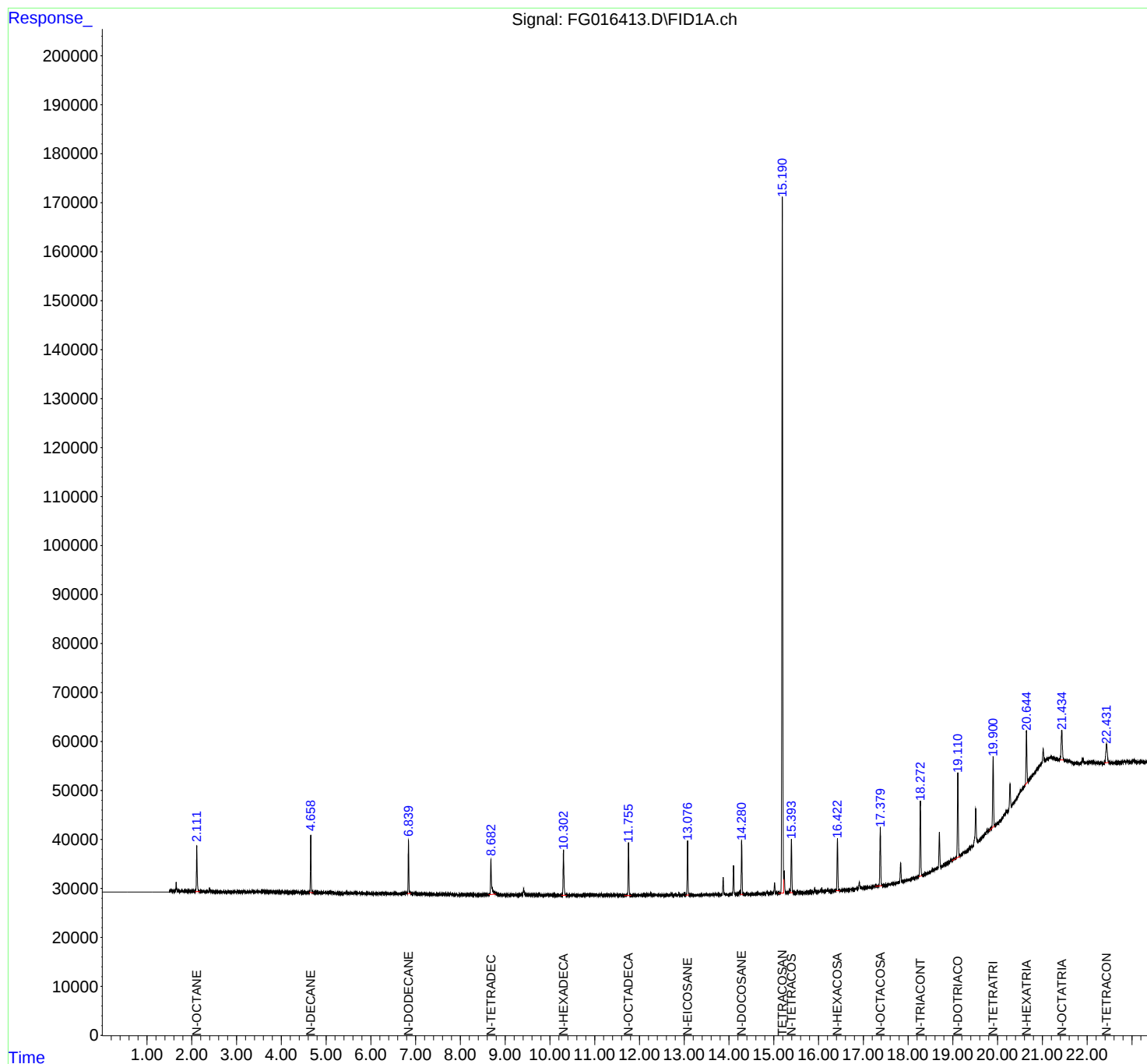
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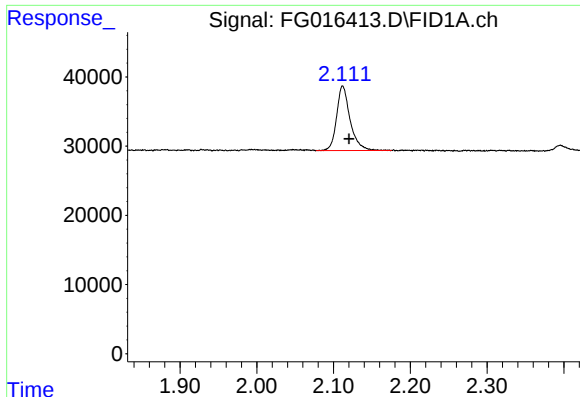
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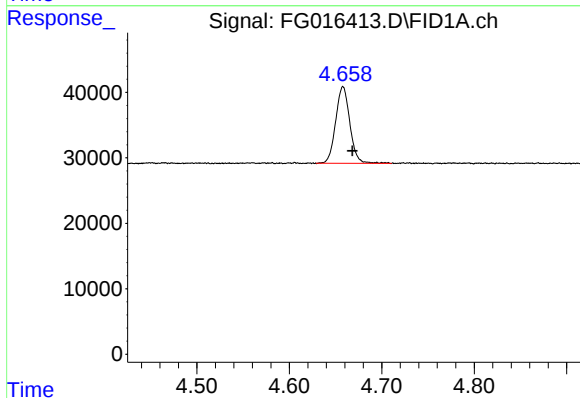
#1 N-OCTANE

R.T.: 2.112 min
Delta R.T.: -0.008 min
Response: 113943
Conc: 1.07 ug/ml

Instrument : FID_G
ClientSampleId : MDL-WATER-06-QT3-2025

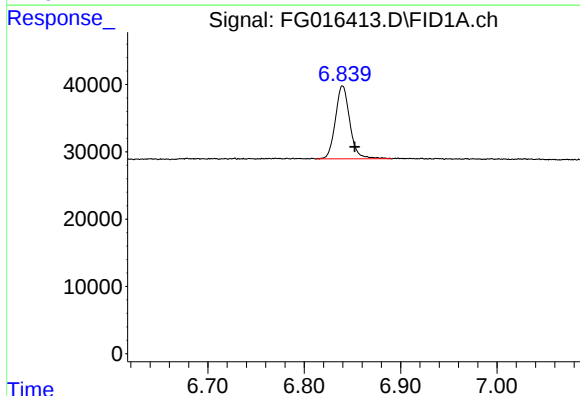
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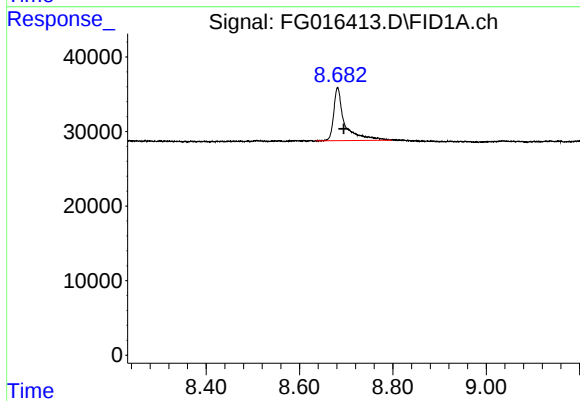
#2 N-DECANE

R.T.: 4.658 min
Delta R.T.: -0.010 min
Response: 125061
Conc: 1.16 ug/ml



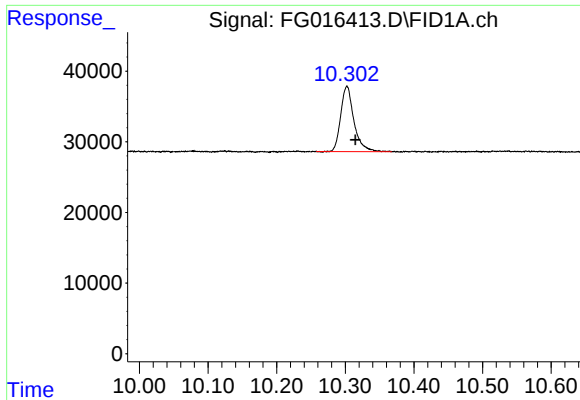
#3 N-DODECANE

R.T.: 6.840 min
Delta R.T.: -0.013 min
Response: 113167
Conc: 1.04 ug/ml



#4 N-TETRADECANE

R.T.: 8.682 min
Delta R.T.: -0.013 min
Response: 117238
Conc: 1.07 ug/ml



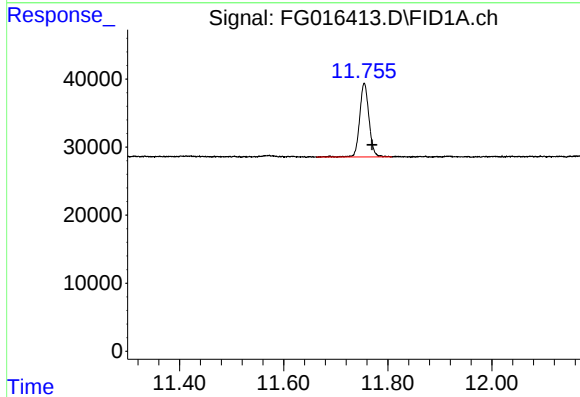
#5 N-HEXADECANE

R.T.: 10.303 min
Delta R.T.: -0.012 min
Response: 124320
Conc: 1.14 ug/ml

Instrument :
FID_G
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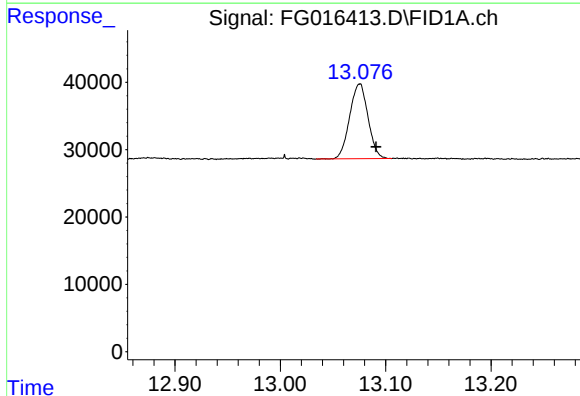
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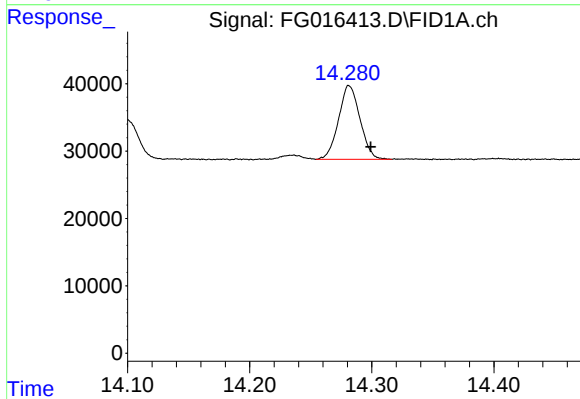
#6 N-OCTADECANE

R.T.: 11.755 min
Delta R.T.: -0.015 min
Response: 134053
Conc: 1.21 ug/ml



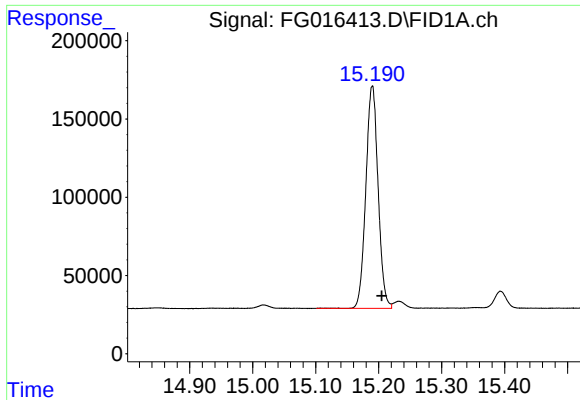
#7 N-EICOSANE

R.T.: 13.075 min
Delta R.T.: -0.015 min
Response: 134670
Conc: 1.19 ug/ml



#8 N-DOCOSANE

R.T.: 14.281 min
Delta R.T.: -0.018 min
Response: 133432
Conc: 1.21 ug/ml



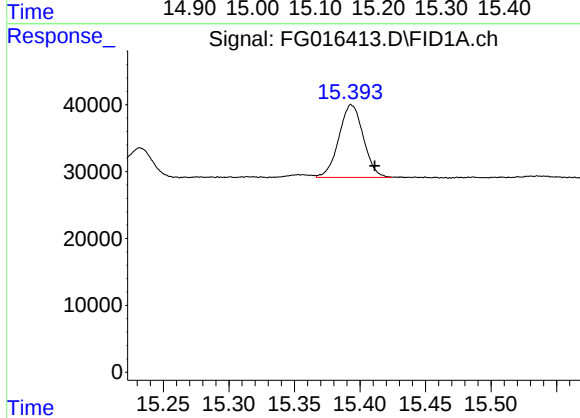
#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.190 min
Delta R.T.: -0.015 min
Response: 1919765
Conc: 20.15 ug/ml

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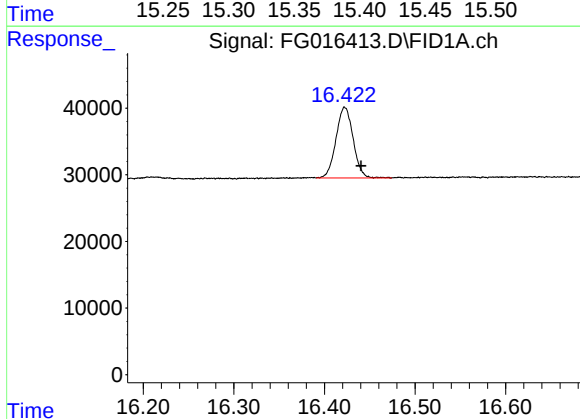
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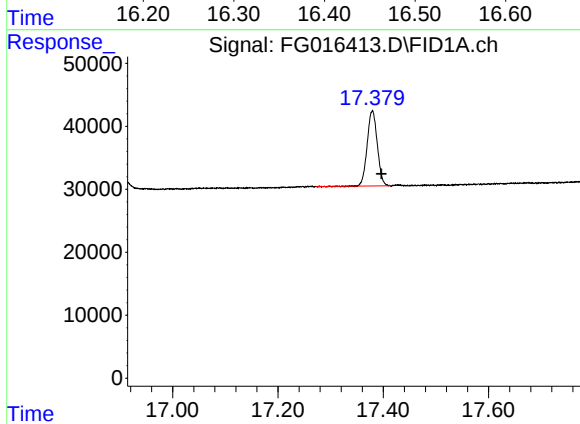
#10 N-TETRACOSANE

R.T.: 15.393 min
Delta R.T.: -0.019 min
Response: 141414
Conc: 1.29 ug/ml m



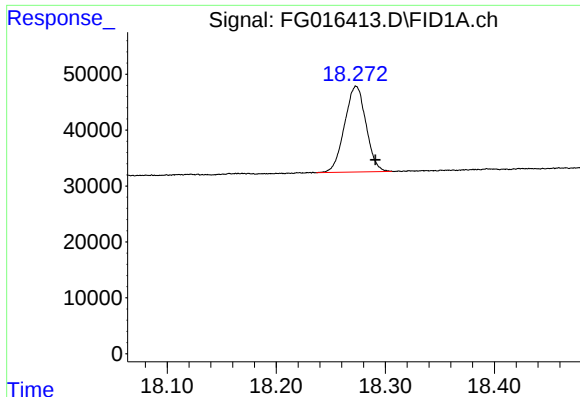
#11 N-HEXACOSANE

R.T.: 16.423 min
Delta R.T.: -0.018 min
Response: 139700
Conc: 1.31 ug/ml



#12 N-OCTACOSANE

R.T.: 17.379 min
Delta R.T.: -0.018 min
Response: 159331
Conc: 1.48 ug/ml



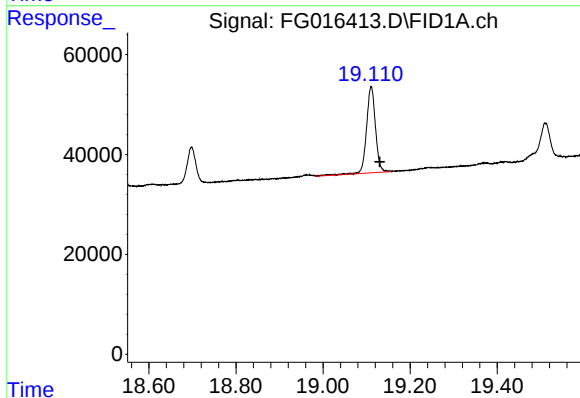
#13 N-TRIACONTANE

R.T.: 18.272 min
Delta R.T.: -0.019 min
Response: 209344
Conc: 1.92 ug/ml

Instrument :
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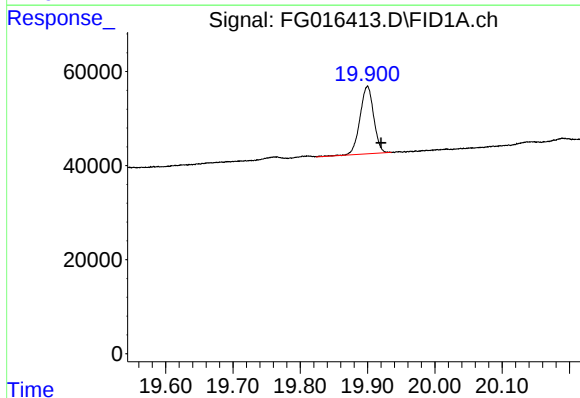
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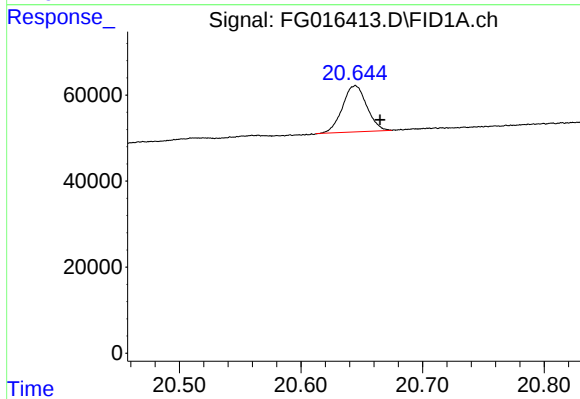
#14 N-DOTRIACONTANE

R.T.: 19.111 min
Delta R.T.: -0.020 min
Response: 245791
Conc: 2.33 ug/ml



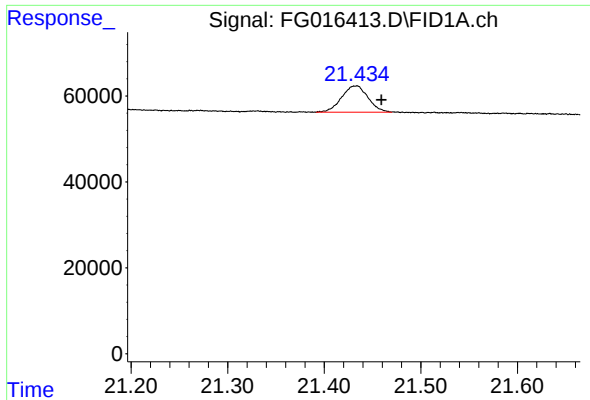
#15 N-TETRATRIACONTANE

R.T.: 19.900 min
Delta R.T.: -0.020 min
Response: 203732
Conc: 2.14 ug/ml



#16 N-HEXATRIACONTANE

R.T.: 20.644 min
Delta R.T.: -0.020 min
Response: 149408
Conc: 2.00 ug/ml m



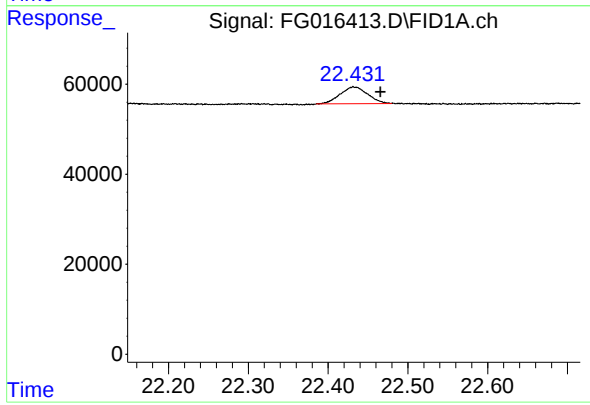
#17 N-OCTATRIACONTANE

R.T.: 21.434 min
Delta R.T.: -0.025 min
Response: 116562
Conc: 1.94 ug/ml

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#18 N-TETRACONTANE

R.T.: 22.431 min
Delta R.T.: -0.034 min
Response: 89602
Conc: 2.13 ug/ml m