

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG082525\
 Data File : FG016382.D
 Signal(s) : FID1A.ch
 Acq On : 25 Aug 2025 21:33
 Operator : YP\AJ
 Sample : Q2868-01MS
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 WASTEMS

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 07:49:42 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...	15.194	6964179	73.096 ug/mlm
Target Compounds			
1) N-OCTANE	2.114	1618433	15.251 ug/ml
2) N-DECANE	4.663	1862712	17.237 ug/ml
3) N-DODECANE	6.847	2110110	19.416 ug/ml
4) N-TETRADECANE	8.690	2846655	26.035 ug/ml
5) N-HEXADECANE	10.312	2201238	20.251 ug/ml
6) N-OCTADECANE	11.771	3078895	27.834 ug/ml
7) N-EICOSANE	13.094	24133139	213.520 ug/mlm
8) N-DOCOSANE	14.302	3297510	30.016 ug/ml
10) N-TETRACOSANE	15.432	37725465	344.299 ug/mlm
11) N-HEXACOSANE	16.444	2414933	22.580 ug/mlm
12) N-OCTACOSANE	17.437	52394680	486.342 ug/mlm
13) N-TRIACONTANE	18.297	2852893	26.183 ug/ml
14) N-DOTRIACONTANE	19.137	6529844	61.994 ug/ml
15) N-TETRATRIACONTANE	19.926	2333396	24.488 ug/ml
16) N-HEXATRIACONTANE	20.637	21394346	286.327 ug/mlm
17) N-OCTATRIACONTANE	21.463	1443919	24.082 ug/mlm
18) N-TETRACONTANE	22.417	526429	12.524 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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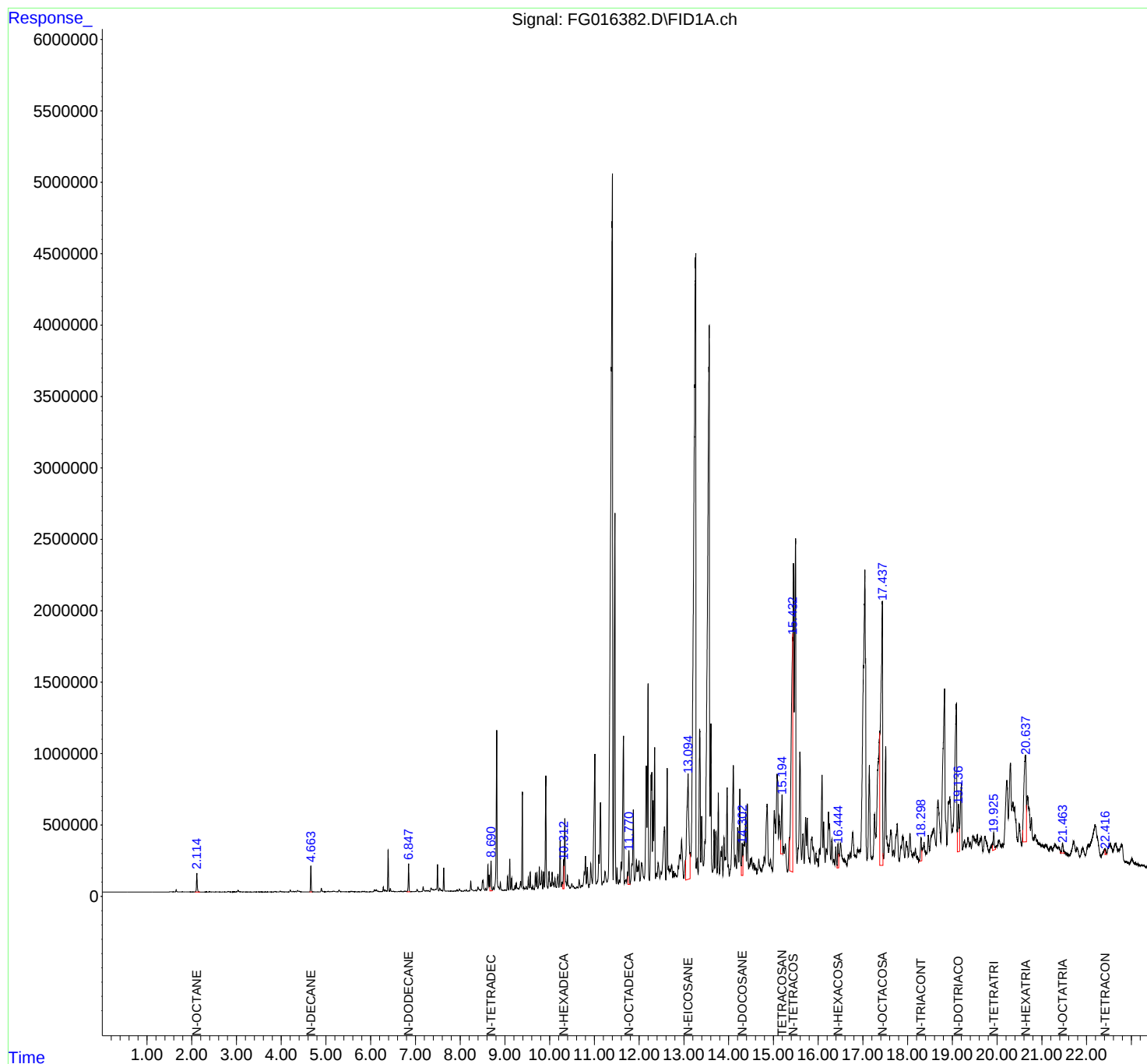
APPROVED

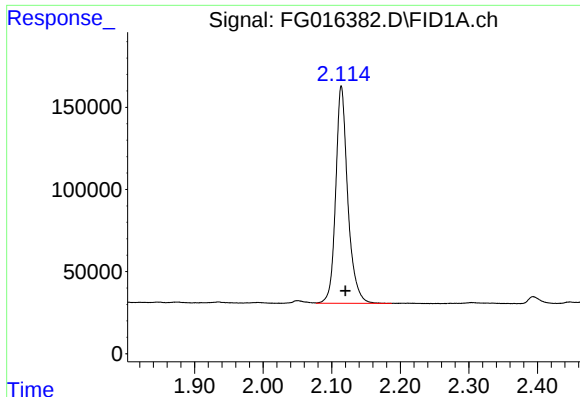
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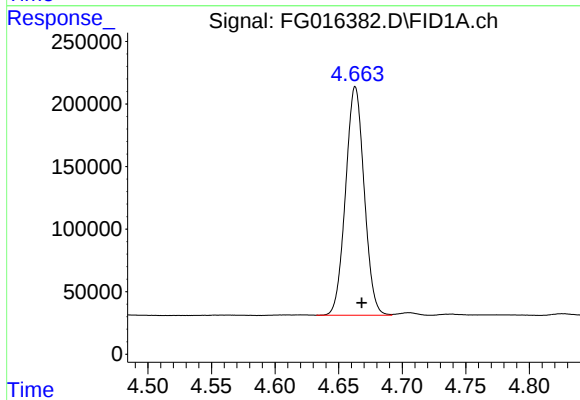
#1 N-OCTANE

R.T.: 2.114 min
Delta R.T.: -0.006 min
Response: 1618433
Conc: 15.25 ug/ml

Instrument :
FID_G
ClientSampleId :
WASTEMS

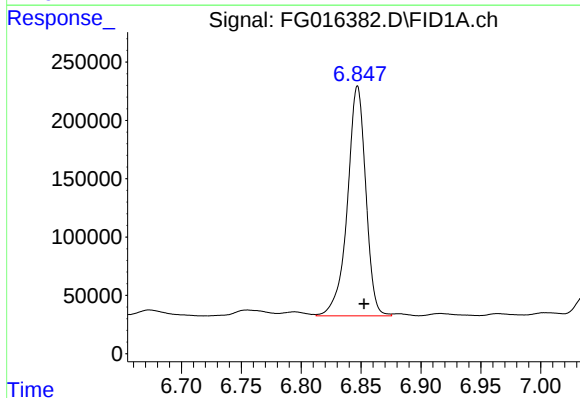
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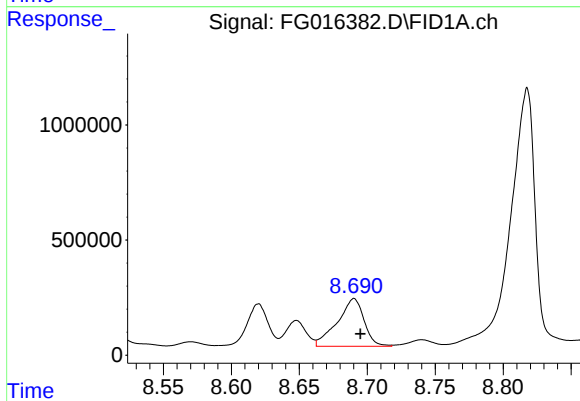
#2 N-DECANE

R.T.: 4.663 min
Delta R.T.: -0.005 min
Response: 1862712
Conc: 17.24 ug/ml



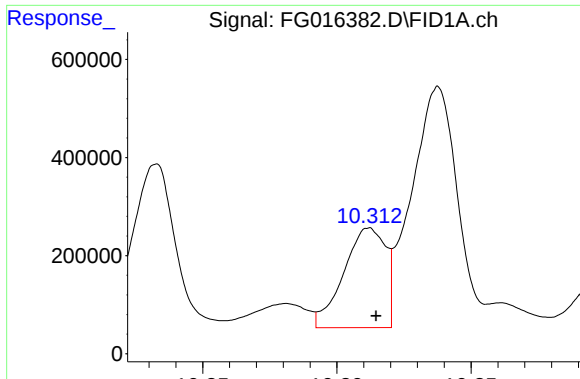
#3 N-DODECANE

R.T.: 6.847 min
Delta R.T.: -0.005 min
Response: 2110110
Conc: 19.42 ug/ml



#4 N-TETRADECANE

R.T.: 8.690 min
Delta R.T.: -0.005 min
Response: 2846655
Conc: 26.03 ug/ml



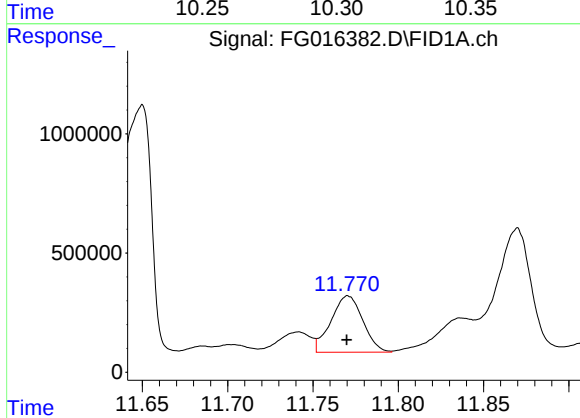
#5 N-HEXADECANE

R.T.: 10.312 min
Delta R.T.: -0.003 min
Response: 2201238
Conc: 20.25 ug/ml

Instrument :
FID_G
ClientSampleId :
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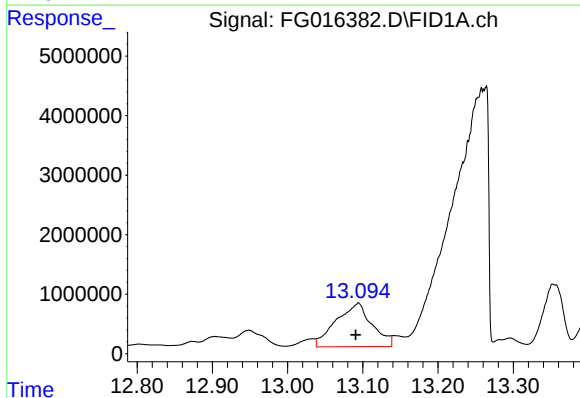
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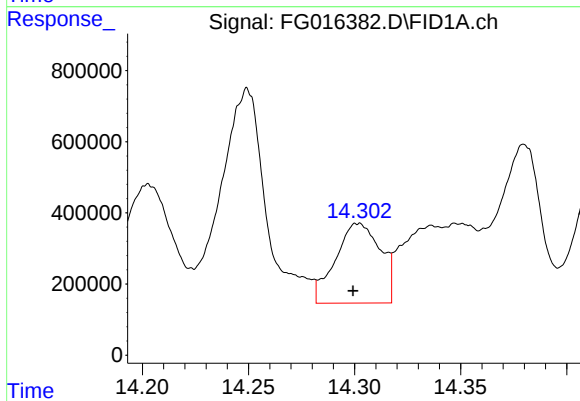
#6 N-OCTADECANE

R.T.: 11.771 min
Delta R.T.: 0.000 min
Response: 3078895
Conc: 27.83 ug/ml



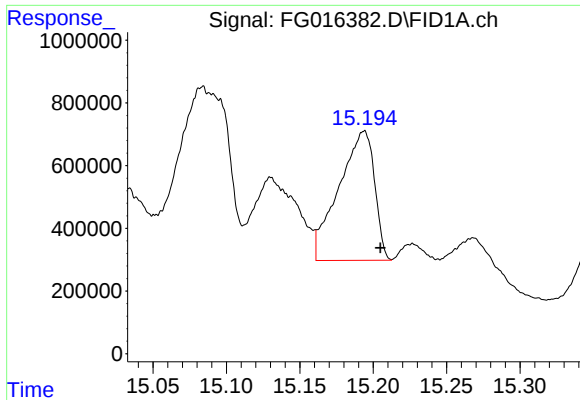
#7 N-EICOSANE

R.T.: 13.094 min
Delta R.T.: 0.003 min
Response: 24133139
Conc: 213.52 ug/ml m



#8 N-DOCOSANE

R.T.: 14.302 min
Delta R.T.: 0.002 min
Response: 3297510
Conc: 30.02 ug/ml



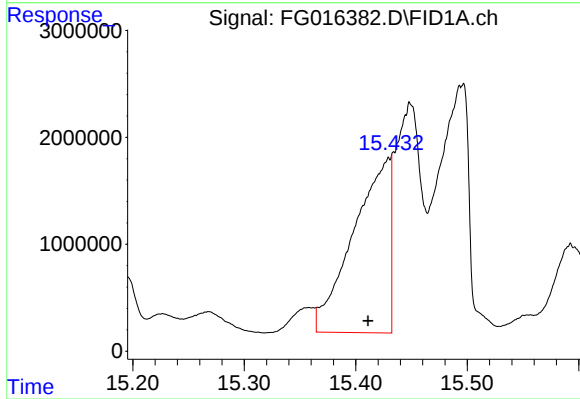
#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.194 min
Delta R.T.: -0.011 min
Response: 6964179
Conc: 73.10 ug/ml

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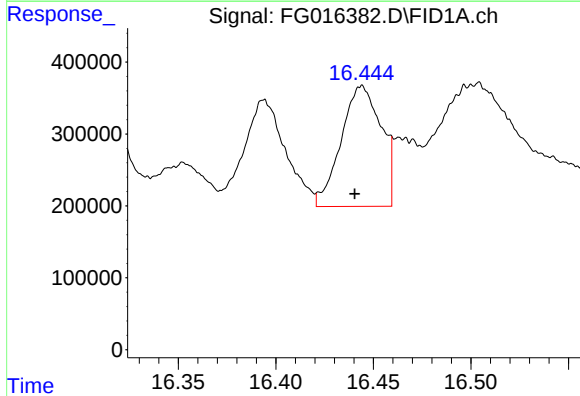
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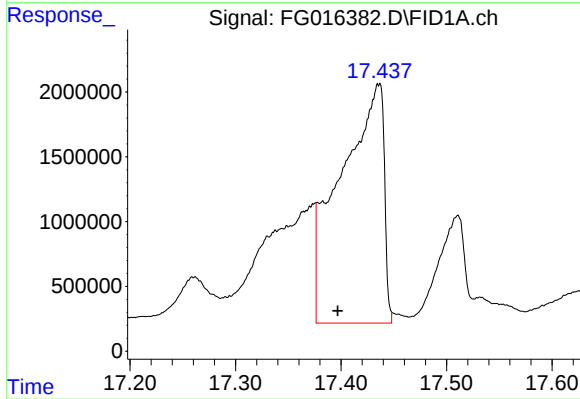
#10 N-TETRACOSANE

R.T.: 15.432 min
Delta R.T.: 0.021 min
Response: 37725465
Conc: 344.30 ug/ml m



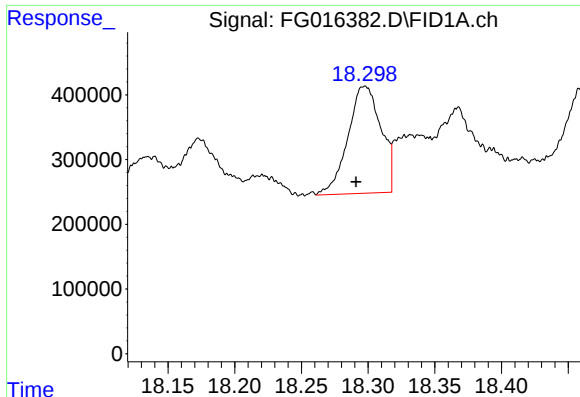
#11 N-HEXACOSANE

R.T.: 16.444 min
Delta R.T.: 0.004 min
Response: 2414933
Conc: 22.58 ug/ml m



#12 N-OCTACOSANE

R.T.: 17.437 min
Delta R.T.: 0.040 min
Response: 52394680
Conc: 486.34 ug/ml m



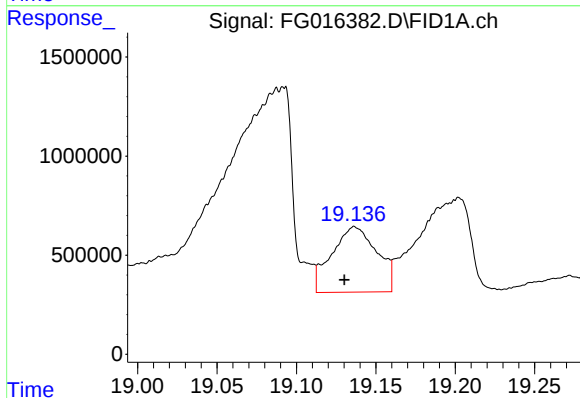
#13 N-TRIACONTANE

R.T.: 18.297 min
Delta R.T.: 0.006 min
Response: 2852893
Conc: 26.18 ug/ml

Instrument :
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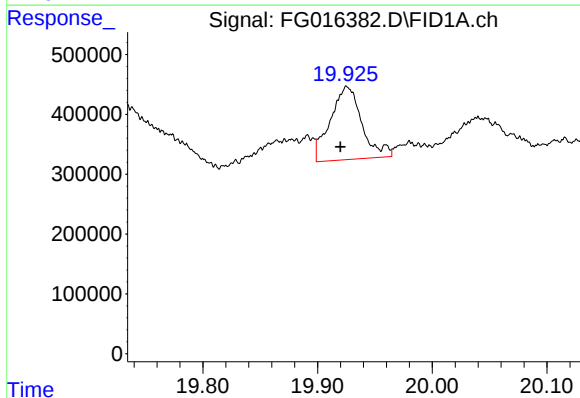
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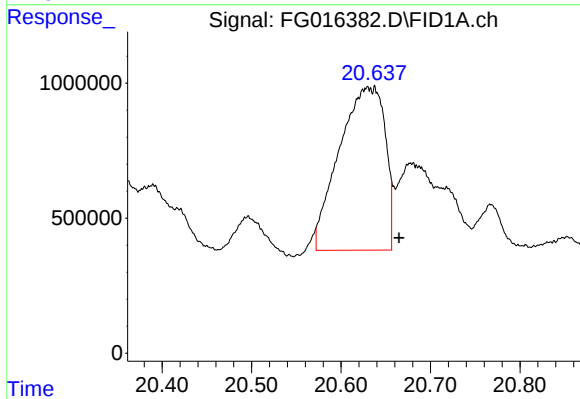
#14 N-DOTRIACONTANE

R.T.: 19.137 min
Delta R.T.: 0.006 min
Response: 6529844
Conc: 61.99 ug/ml



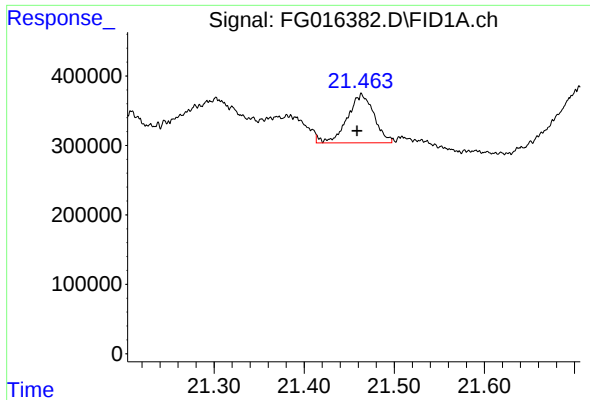
#15 N-TETRATRIACONTANE

R.T.: 19.926 min
Delta R.T.: 0.006 min
Response: 2333396
Conc: 24.49 ug/ml



#16 N-HEXATRIACONTANE

R.T.: 20.637 min
Delta R.T.: -0.028 min
Response: 21394346
Conc: 286.33 ug/ml m



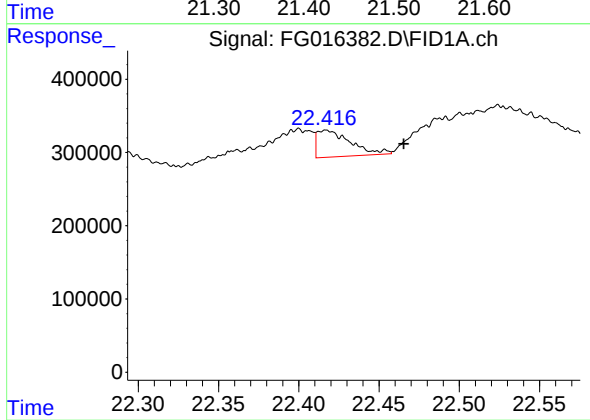
#17 N-OCTATRIACONTANE

R.T.: 21.463 min
Delta R.T.: 0.004 min
Response: 1443919
Conc: 24.08 ug/ml

Instrument :
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#18 N-TETRACONTANE

R.T.: 22.417 min
Delta R.T.: -0.048 min
Response: 526429
Conc: 12.52 ug/ml