

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG082525\
 Data File : FG016383.D
 Signal(s) : FID1A.ch
 Acq On : 25 Aug 2025 22:02
 Operator : YP\AJ
 Sample : Q2868-01MSD
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 WASTEMSD

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 07:54:53 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...	15.195	6802908	71.404 ug/mlm
Target Compounds			
1) N-OCTANE	2.114	1598330	15.062 ug/ml
2) N-DECANE	4.664	1833575	16.967 ug/ml
3) N-DODECANE	6.848	2072071	19.066 ug/ml
4) N-TETRADECANE	8.691	2815668	25.752 ug/ml
5) N-HEXADECANE	10.312	2157314	19.847 ug/ml
6) N-OCTADECANE	11.771	3026237	27.358 ug/ml
7) N-EICOSANE	13.097	22108864	195.610 ug/mlm
8) N-DOCOSANE	14.303	3094049	28.164 ug/ml
10) N-TETRACOSANE	15.428	30744105	280.584 ug/mlm
11) N-HEXACOSANE	16.445	3094721	28.937 ug/ml
12) N-OCTACOSANE	17.439	50251852	466.451 ug/mlm
13) N-TRIACONTANE	18.298	2839181	26.057 ug/ml
14) N-DOTRIACONTANE	19.140	6218218	59.035 ug/ml
15) N-TETRATRIACONTANE	19.927	1787271	18.757 ug/mlm
16) N-HEXATRIACONTANE	20.642	16077171	215.166 ug/mlm
17) N-OCTATRIACONTANE	21.463	1306607	21.792 ug/mlm
18) N-TETRACONTANE	22.421	1360459	32.367 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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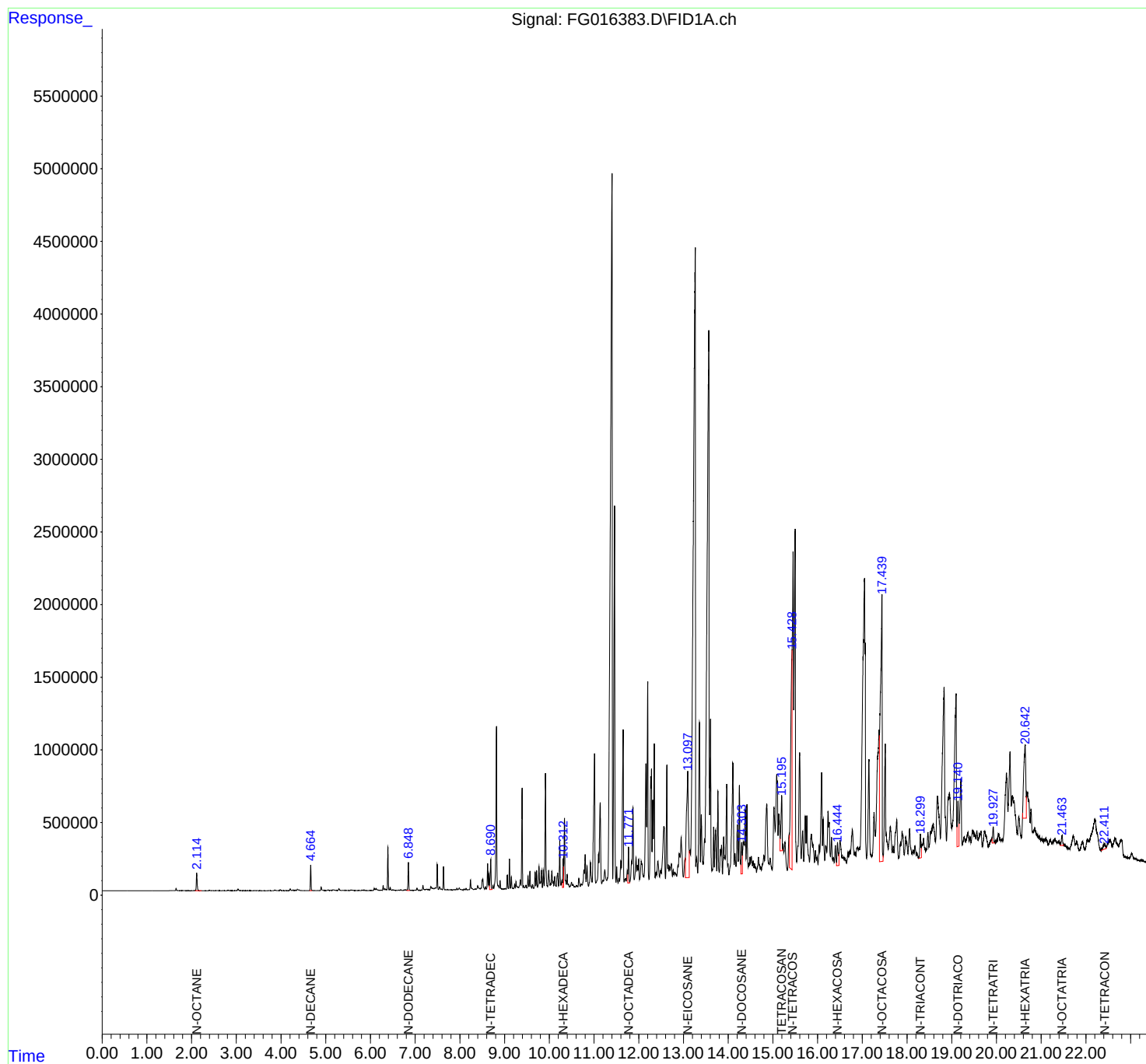
APPROVED

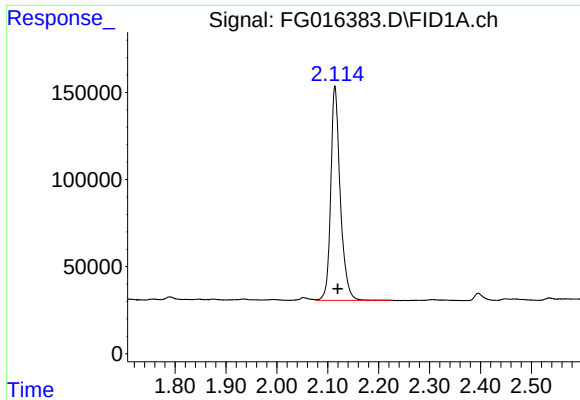
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Signal Info : 20mx0.18mmx0.18um





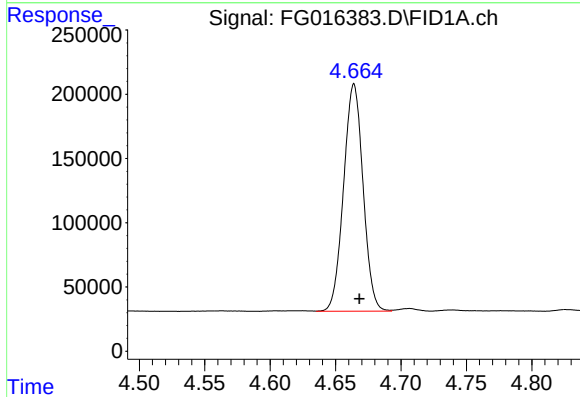
#1 N-OCTANE

R.T.: 2.114 min
Delta R.T.: -0.006 min
Response: 1598330
Conc: 15.06 ug/ml

Instrument :
FID_G
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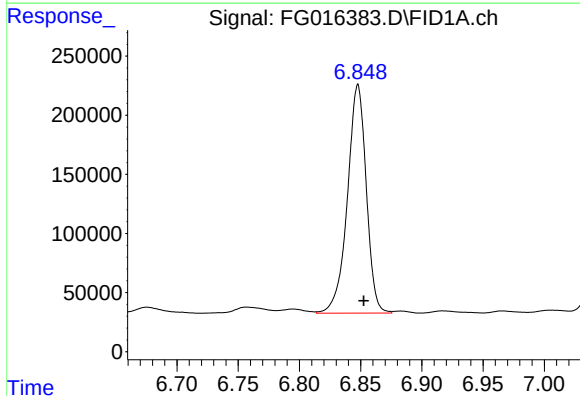
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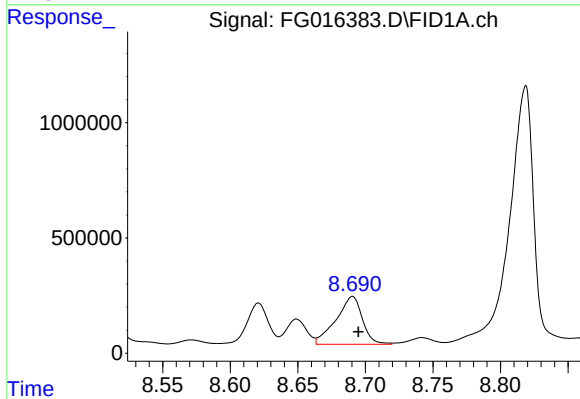
#2 N-DECANE

R.T.: 4.664 min
Delta R.T.: -0.004 min
Response: 1833575
Conc: 16.97 ug/ml



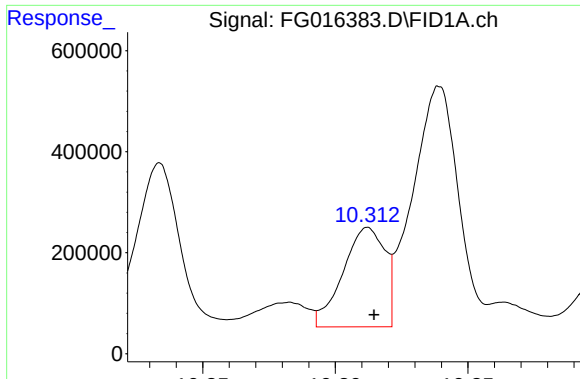
#3 N-DODECANE

R.T.: 6.848 min
Delta R.T.: -0.005 min
Response: 2072071
Conc: 19.07 ug/ml



#4 N-TETRADECANE

R.T.: 8.691 min
Delta R.T.: -0.004 min
Response: 2815668
Conc: 25.75 ug/ml



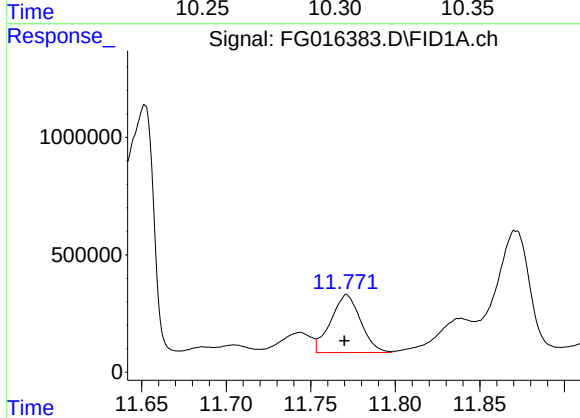
#5 N-HEXADECANE

R.T.: 10.312 min
Delta R.T.: -0.002 min
Response: 2157314
Conc: 19.85 ug/ml

Instrument :
FID_G
ClientSampleId :
WASTEMSD

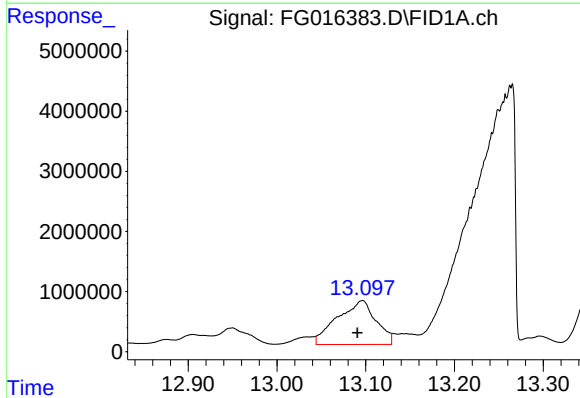
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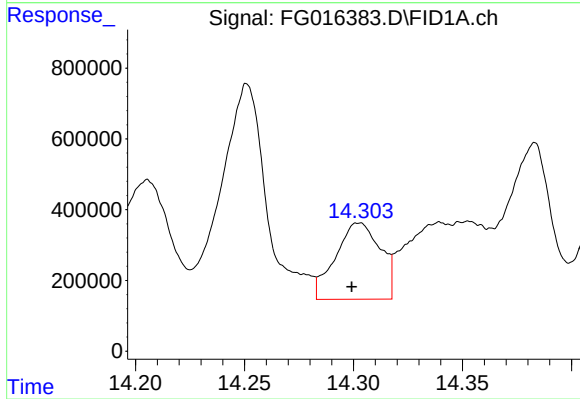
#6 N-OCTADECANE

R.T.: 11.771 min
Delta R.T.: 0.002 min
Response: 3026237
Conc: 27.36 ug/ml



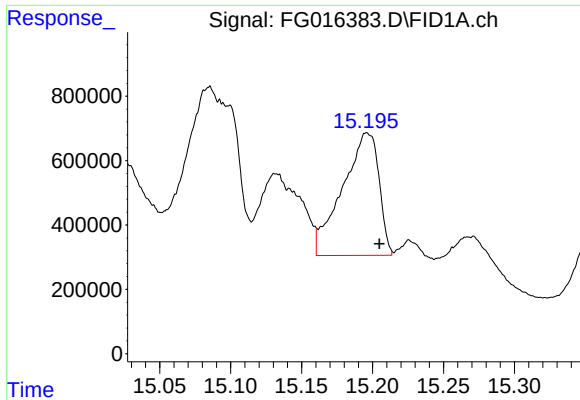
#7 N-EICOSANE

R.T.: 13.097 min
Delta R.T.: 0.006 min
Response: 22108864
Conc: 195.61 ug/ml m



#8 N-DOCOSANE

R.T.: 14.303 min
Delta R.T.: 0.003 min
Response: 3094049
Conc: 28.16 ug/ml



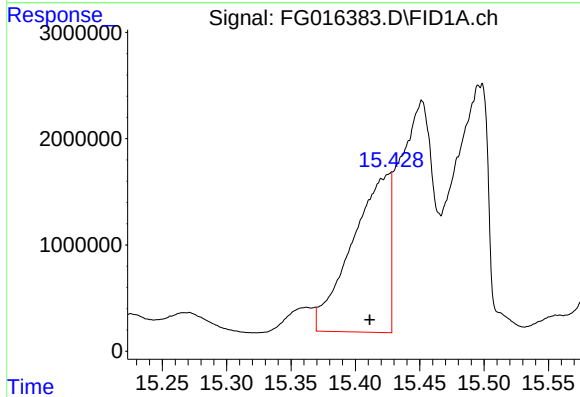
#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.195 min
Delta R.T.: -0.010 min
Response: 6802908
Conc: 71.40 ug/ml

Instrument :
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WASTEMSD

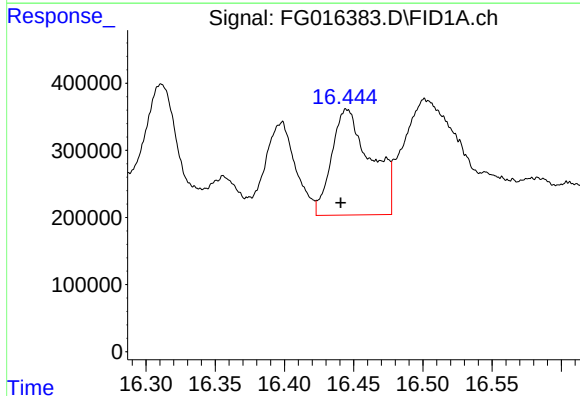
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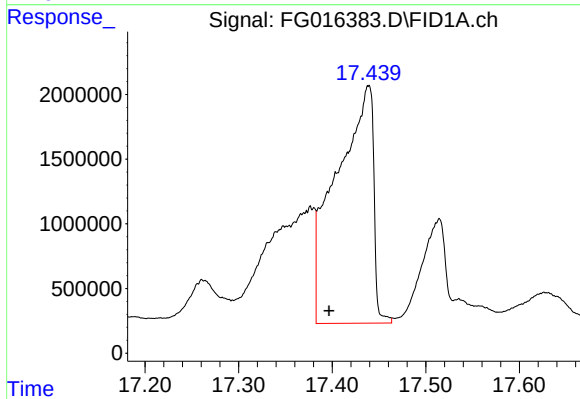
#10 N-TETRACOSANE

R.T.: 15.428 min
Delta R.T.: 0.017 min
Response: 30744105
Conc: 280.58 ug/ml m



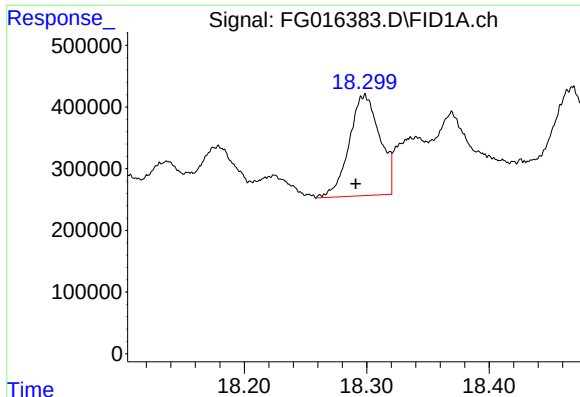
#11 N-HEXACOSANE

R.T.: 16.445 min
Delta R.T.: 0.005 min
Response: 3094721
Conc: 28.94 ug/ml



#12 N-OCTACOSANE

R.T.: 17.439 min
Delta R.T.: 0.042 min
Response: 50251852
Conc: 466.45 ug/ml m



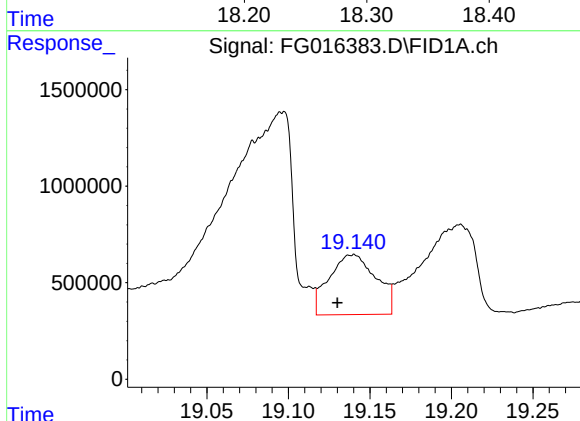
#13 N-TRIACONTANE

R.T.: 18.298 min
Delta R.T.: 0.007 min
Response: 2839181
Conc: 26.06 ug/ml

Instrument :
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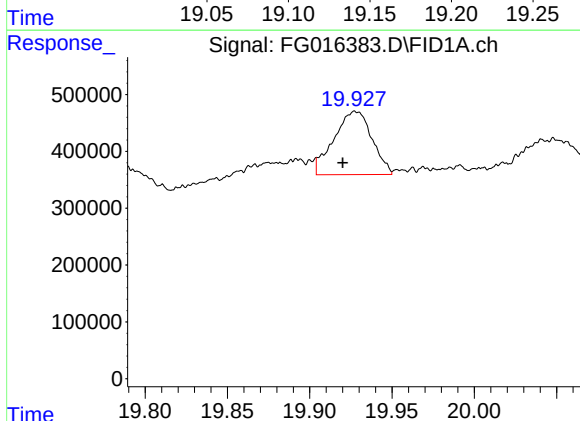
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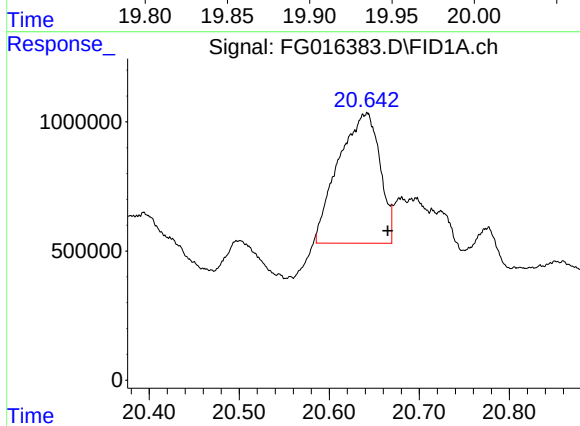
#14 N-DOTRIACONTANE

R.T.: 19.140 min
Delta R.T.: 0.010 min
Response: 6218218
Conc: 59.04 ug/ml



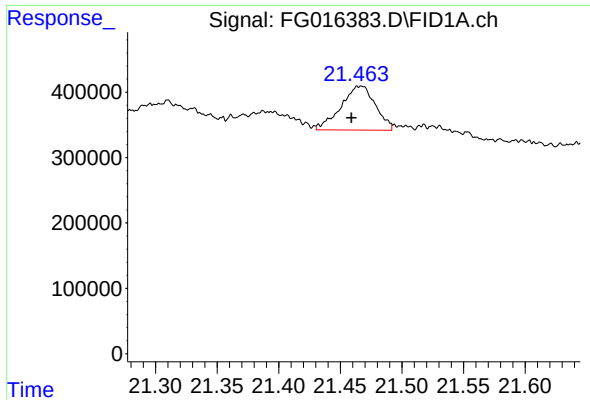
#15 N-TETRATRIACONTANE

R.T.: 19.927 min
Delta R.T.: 0.007 min
Response: 1787271
Conc: 18.76 ug/ml m



#16 N-HEXATRIACONTANE

R.T.: 20.642 min
Delta R.T.: -0.023 min
Response: 16077171
Conc: 215.17 ug/ml m



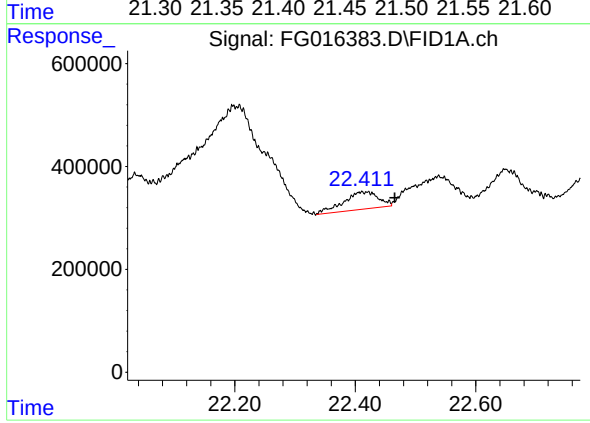
#17 N-OCTATRIACONTANE

R.T.: 21.463 min
Delta R.T.: 0.004 min
Response: 1306607
Conc: 21.79 ug/ml

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#18 N-TETRACONTANE

R.T.: 22.421 min
Delta R.T.: -0.044 min
Response: 1360459
Conc: 32.37 ug/ml