

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061025\
 Data File : FG016024.D
 Signal(s) : FID1A.ch
 Acq On : 10 Jun 2025 22:28
 Operator : YP\AJ
 Sample : Q2126-10
 Misc : 1 PPM WATER LOD
 ALS Vial : 72 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 LOD-MDL-WATER-04-QT2-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/11/2025
 Supervised By :mohammad ahmed 06/12/2025

Integration File: autoint1.e
 Quant Time: Jun 11 05:56:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG052225.M
 Quant Title :
 QLast Update : Thu May 22 06:20:25 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...	14.971	2130587	17.384 ug/ml
Target Compounds			
1) N-OCTANE	1.952	92399	0.786 ug/ml
2) N-DECANE	4.475	94140	0.801 ug/mlm
3) N-DODECANE	6.659	96069	0.792 ug/mlm
4) N-TETRADECANE	8.497	110249	0.863 ug/mlm
5) N-HEXADECANE	10.113	106246	0.797 ug/mlm
6) N-OCTADECANE	11.557	115698	0.838 ug/mlm
7) N-EICOSANE	12.869	120610	0.854 ug/ml
8) N-DOCOSANE	14.069	136666	0.995 ug/mlm
10) N-TETRACOSANE	15.176	134253	0.977 ug/ml
11) N-HEXACOSANE	16.201	126592	0.932 ug/ml
12) N-OCTACOSANE	17.153	141238	1.048 ug/ml
13) N-TRIACONTANE	18.043	168083	1.232 ug/ml
14) N-DOTRIACONTANE	18.877	180577	1.348 ug/ml
15) N-TETRATRIACONTANE	19.663	153931	1.269 ug/ml
16) N-HEXATRIACONTANE	20.403	114081	1.068 ug/ml
17) N-OCTATRIACONTANE	21.141	78969	0.823 ug/mlm
18) N-TETRACONTANE	22.050	110448	1.256 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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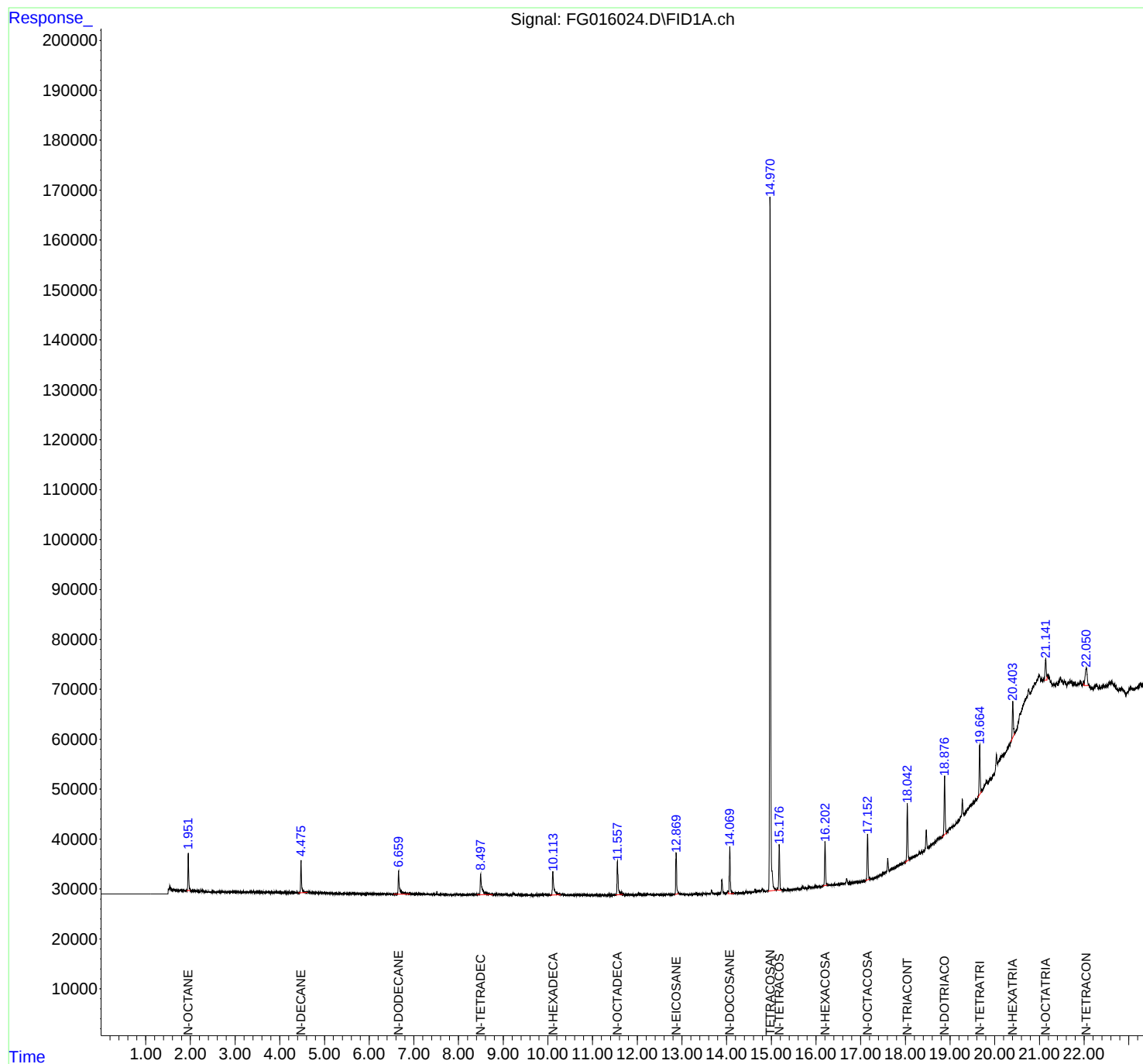
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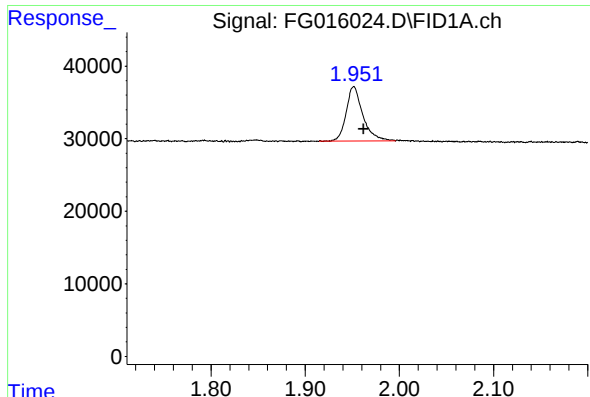
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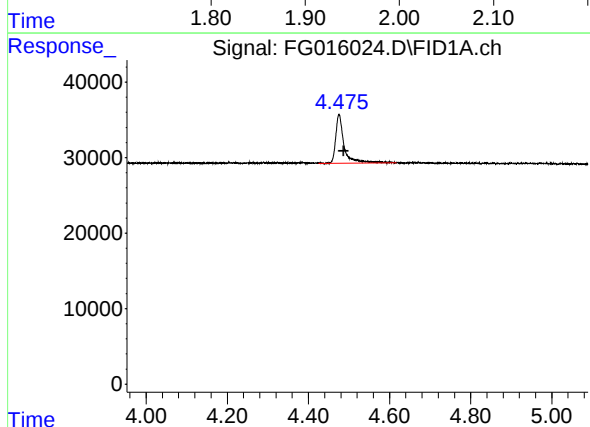
#1 N-OCTANE

R.T.: 1.952 min
Delta R.T.: -0.010 min
Response: 92399
Conc: 0.79 ug/ml

Instrument :
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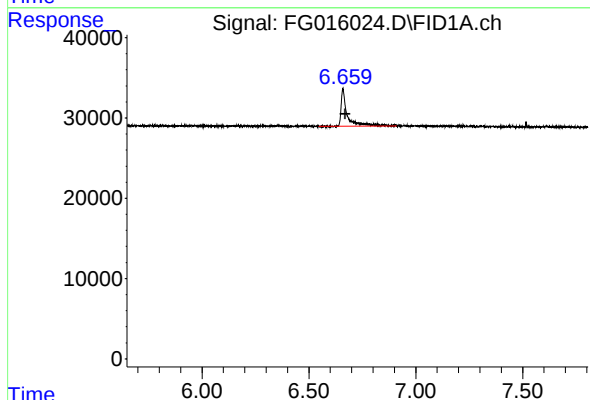
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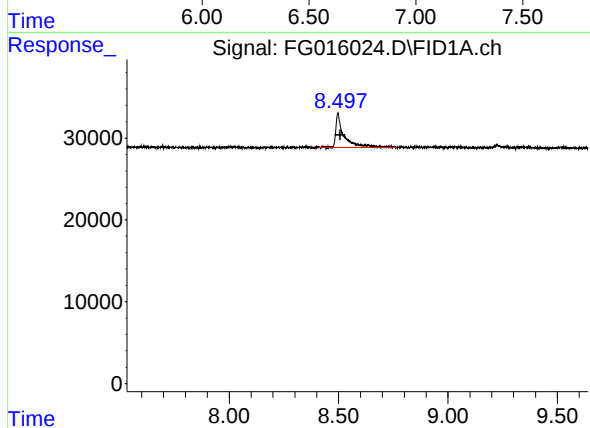
#2 N-DECANE

R.T.: 4.475 min
Delta R.T.: -0.012 min
Response: 94140
Conc: 0.80 ug/ml m



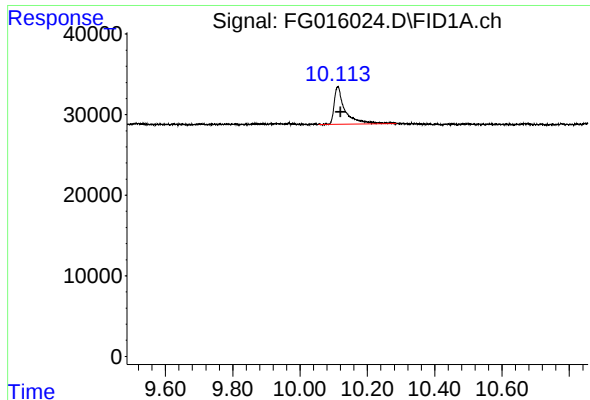
#3 N-DODECANE

R.T.: 6.659 min
Delta R.T.: -0.012 min
Response: 96069
Conc: 0.79 ug/ml m



#4 N-TETRADECANE

R.T.: 8.497 min
Delta R.T.: -0.010 min
Response: 110249
Conc: 0.86 ug/ml m



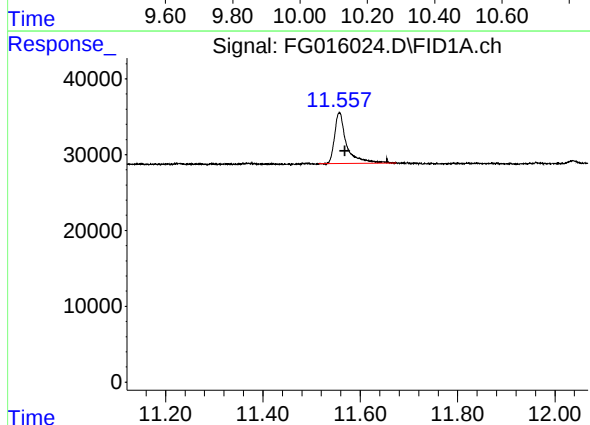
#5 N-HEXADECANE

R.T.: 10.113 min
Delta R.T.: -0.007 min
Response: 106246
Conc: 0.80 ug/ml

Instrument :
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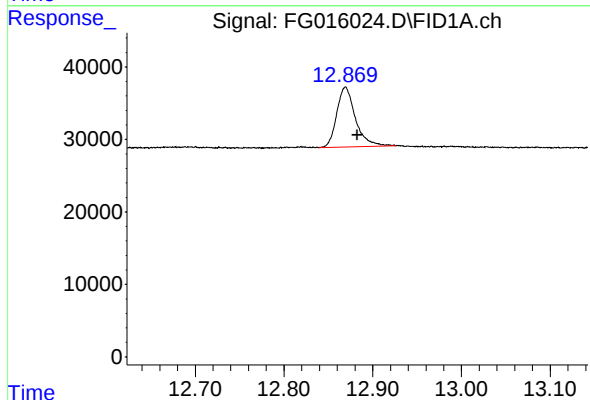
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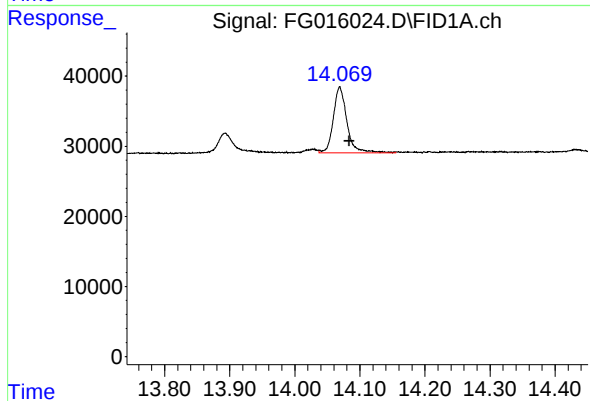
#6 N-OCTADECANE

R.T.: 11.557 min
Delta R.T.: -0.012 min
Response: 115698
Conc: 0.84 ug/ml m



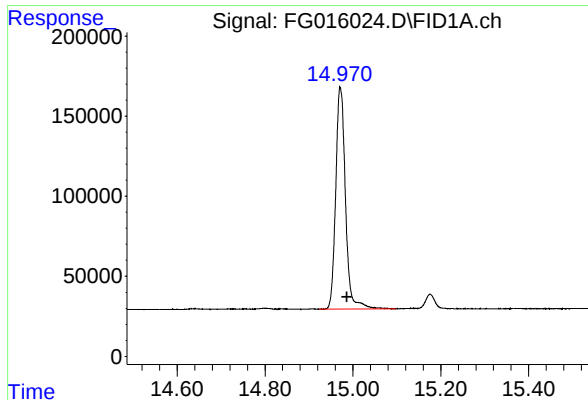
#7 N-EICOSANE

R.T.: 12.869 min
Delta R.T.: -0.013 min
Response: 120610
Conc: 0.85 ug/ml



#8 N-DOCOSANE

R.T.: 14.069 min
Delta R.T.: -0.015 min
Response: 136666
Conc: 0.99 ug/ml m



#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 14.971 min
Delta R.T.: -0.015 min
Response: 2130587
Conc: 17.38 ug/ml

Instrument :

FID_G

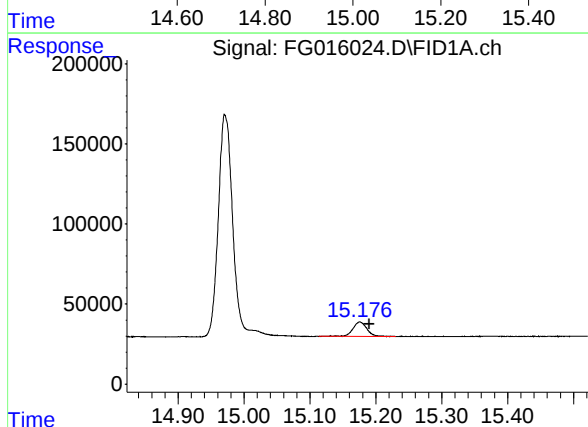
ClientSampleId :

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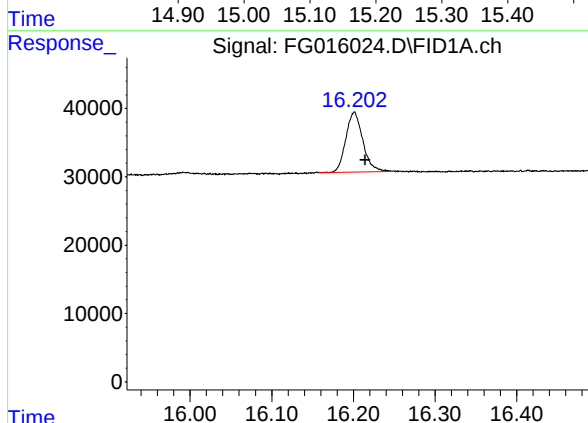
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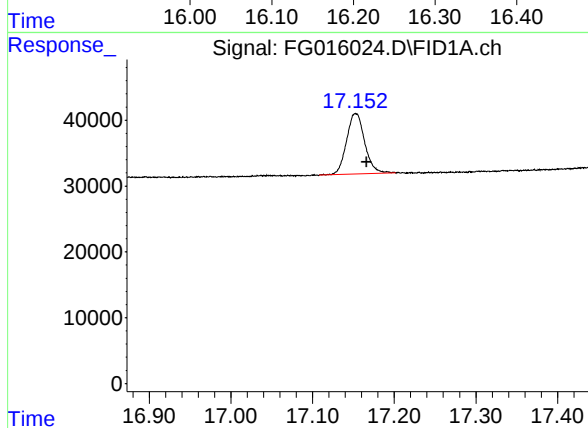
#10 N-TETRACOSANE

R.T.: 15.176 min
Delta R.T.: -0.015 min
Response: 134253
Conc: 0.98 ug/ml



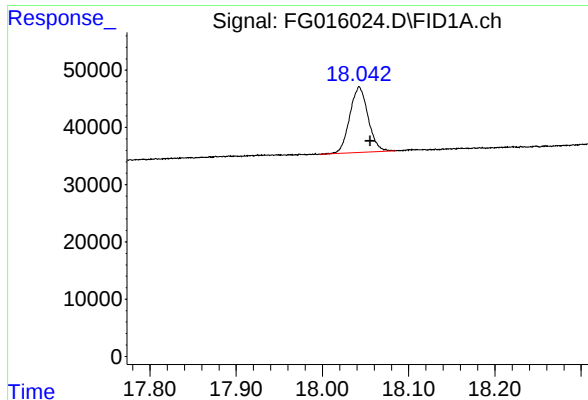
#11 N-HEXACOSANE

R.T.: 16.201 min
Delta R.T.: -0.014 min
Response: 126592
Conc: 0.93 ug/ml



#12 N-OCTACOSANE

R.T.: 17.153 min
Delta R.T.: -0.013 min
Response: 141238
Conc: 1.05 ug/ml



#13 N-TRIACONTANE

R.T.: 18.043 min
Delta R.T.: -0.013 min
Response: 168083
Conc: 1.23 ug/ml

Instrument :

FID_G

ClientSampleId :

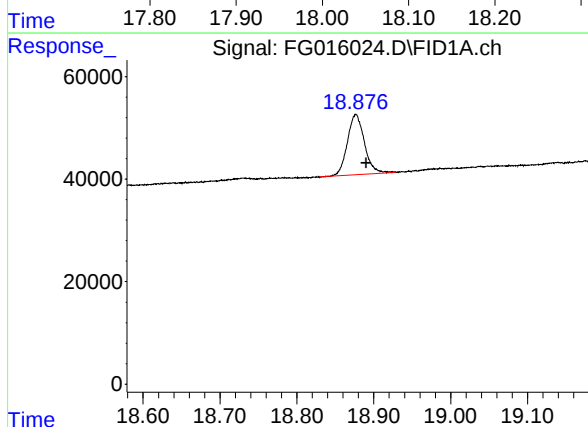
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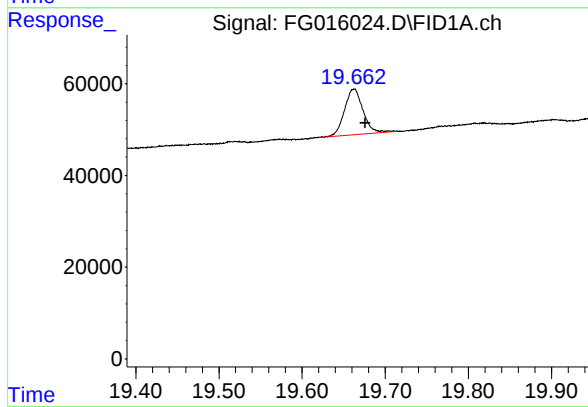
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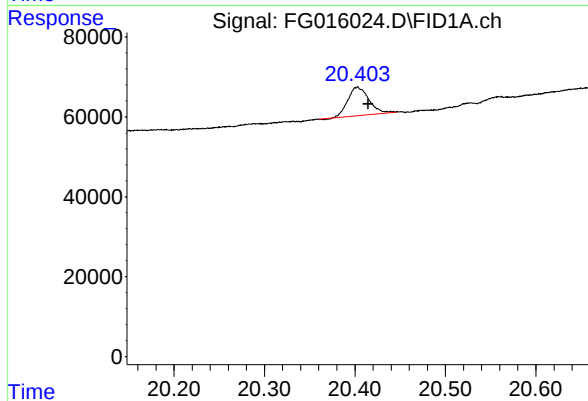
#14 N-DOTRIACONTANE

R.T.: 18.877 min
Delta R.T.: -0.014 min
Response: 180577
Conc: 1.35 ug/ml



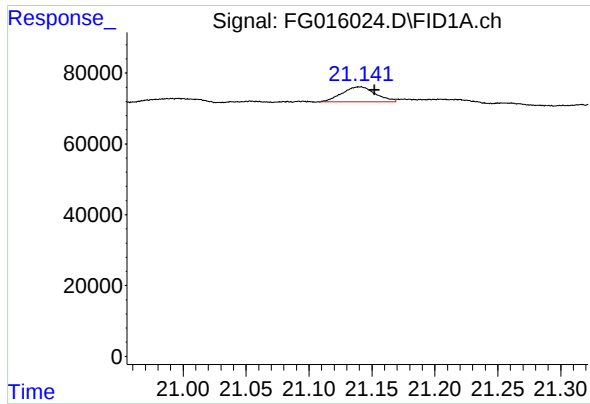
#15 N-TETRATRIACONTANE

R.T.: 19.663 min
Delta R.T.: -0.013 min
Response: 153931
Conc: 1.27 ug/ml



#16 N-HEXATRIACONTANE

R.T.: 20.403 min
Delta R.T.: -0.012 min
Response: 114081
Conc: 1.07 ug/ml



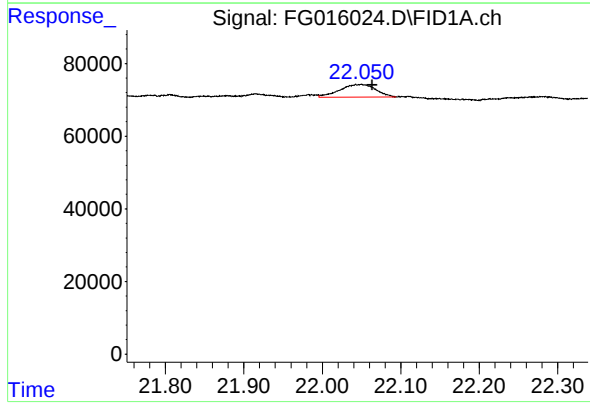
#17 N-OCTATRIACONTANE

R.T.: 21.141 min
Delta R.T.: -0.011 min
Response: 78969
Conc: 0.82 ug/ml

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#18 N-TETRACONTANE

R.T.: 22.050 min
Delta R.T.: -0.013 min
Response: 110448
Conc: 1.26 ug/ml m