

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071521AL\
 Data File : FD038215.D
 Signal(s) : FID2B.CH
 Acq On : 15 Jul 2021 14:02
 Operator : AJ\MA
 Sample : M2940-07
 Misc : LOD 2.5 PPM
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2021

Manual Integrations
 APPROVED

mohammad
 7/16/2021 11:36:21 AM

Integration File: autoint1.e
 Quant Time: Jul 16 04:11:14 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Alaphatic EPH 070621.M
 Quant Title : GC Extractables
 QLast Update : Wed Jul 07 10:58:41 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.859	6001079	52.636 ug/ml
Spiked Amount 50.000		Recovery =	105.27%
Target Compounds			
1) T n-Nonane (C9)	3.232	225963	1.860 ug/ml
2) T n-Decane (C10)	4.289	223062	1.824 ug/ml
4) T n-Dodecane (C12)	6.294	240584	1.932 ug/ml
6) T n-Tetradecane (C14)	8.081	246588	1.919 ug/ml
7) T n-Hexadecane (C16)	9.674	247714	1.912 ug/ml
8) T n-Octadecane (C18)	11.108	262266	1.947 ug/ml
10) T n-Eicosane (C20)	12.411	243441	1.812 ug/ml
11) T n-Heneicosane (C21)	13.020	248375	1.828 ug/ml
13) T n-Docosane (C22)	13.604	235078	1.747 ug/ml
14) T n-Tetracosane (C24)	14.701	242240	1.794 ug/ml
15) T n-Hexacosane (C26)	15.715	211517	1.605 ug/ml
16) T n-Octacosane (C28)	16.661	197383	1.514 ug/ml
17) T n-Tricontane (C30)	17.545	206379	1.615 ug/ml
18) T n-Dotriacontane (C32)	18.375	214617	1.744 ug/ml
19) T n-Tetratriacontane (C34)	19.154	192174	1.641 ug/ml
20) T n-Hexatriacontane (C36)	19.891	163639	1.498 ug/ml
21) T n-Octatriacontane (C38)	20.599	189024	1.877 ug/mlm
22) T n-Tetracontane (C40)	21.428	254053	2.598 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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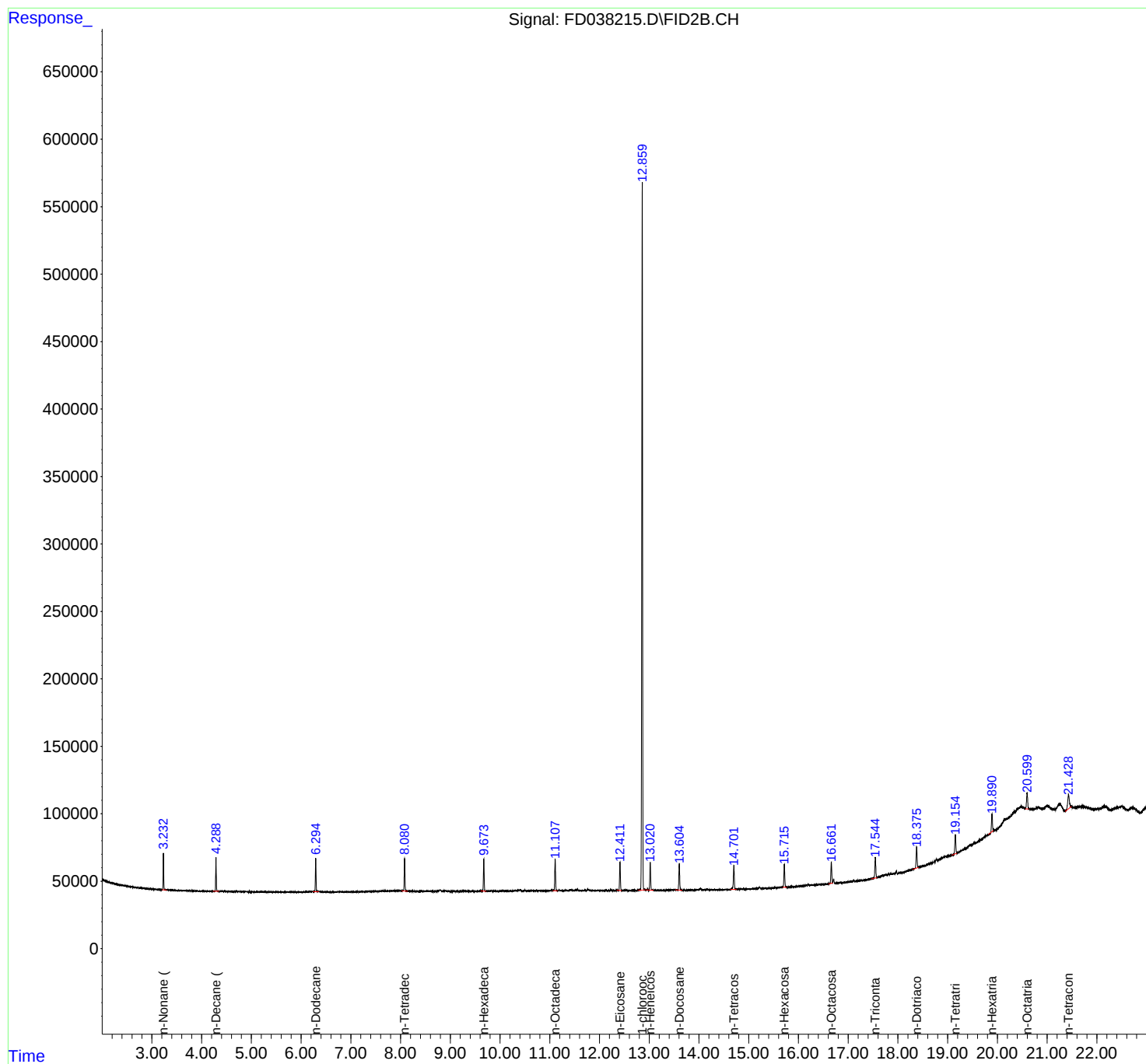
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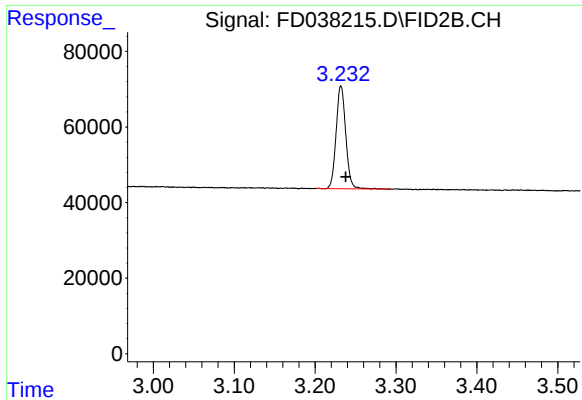
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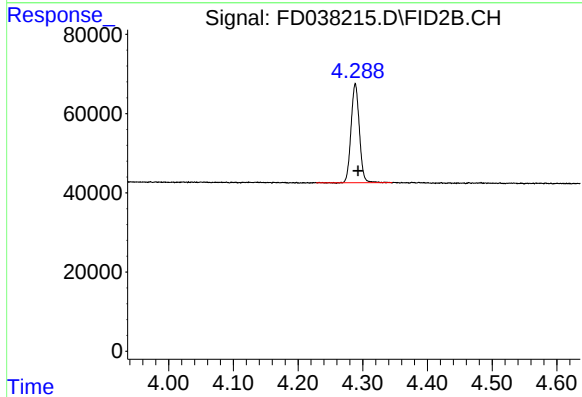
#1 n-Nonane (C9)

R.T.: 3.232 min
Delta R.T.: -0.006 min
Response: 225963
Conc: 1.86 ug/ml

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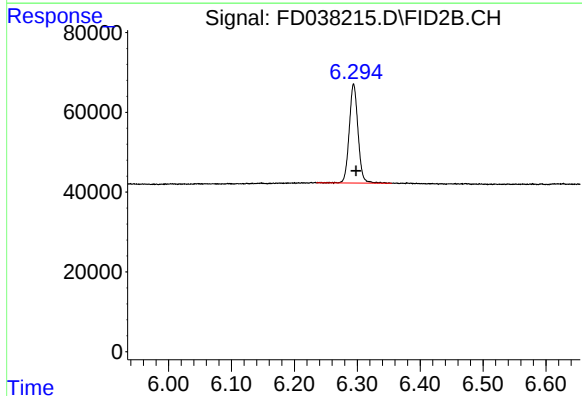
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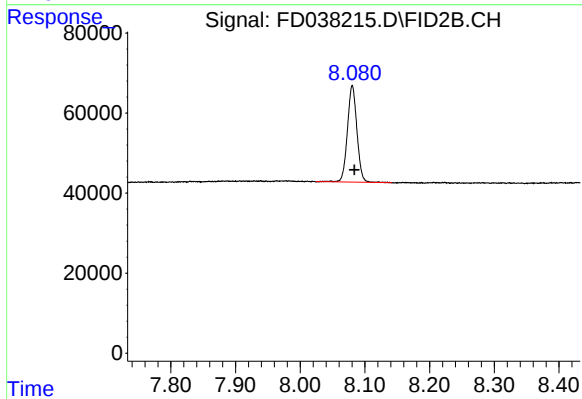
#2 n-Decane (C10)

R.T.: 4.289 min
Delta R.T.: -0.004 min
Response: 223062
Conc: 1.82 ug/ml



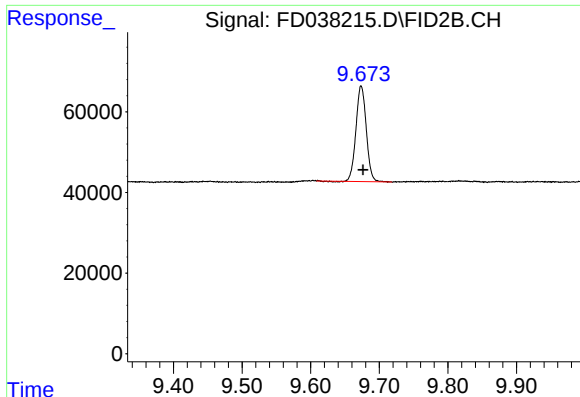
#4 n-Dodecane (C12)

R.T.: 6.294 min
Delta R.T.: -0.004 min
Response: 240584
Conc: 1.93 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.081 min
Delta R.T.: -0.003 min
Response: 246588
Conc: 1.92 ug/ml



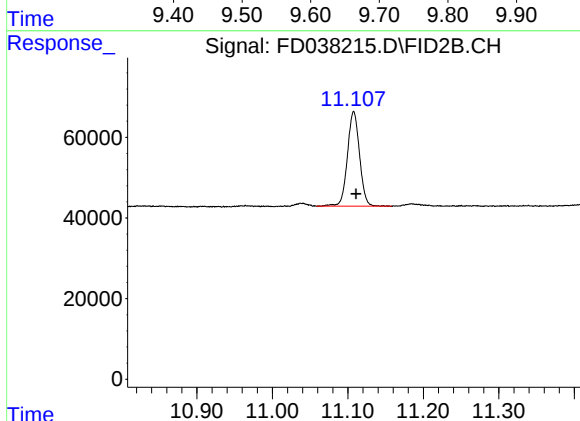
#7 n-Hexadecane (C16)

R.T.: 9.674 min
Delta R.T.: -0.002 min
Response: 247714
Conc: 1.91 ug/ml

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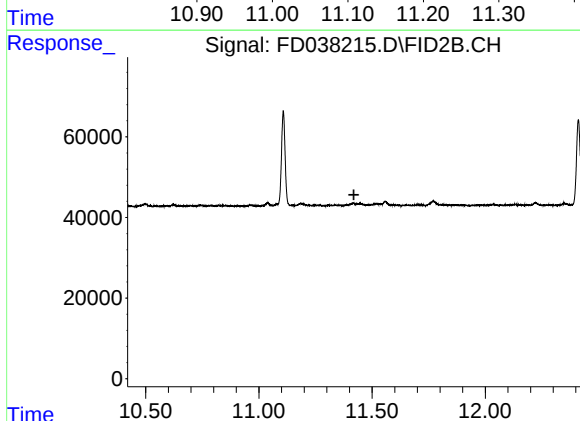
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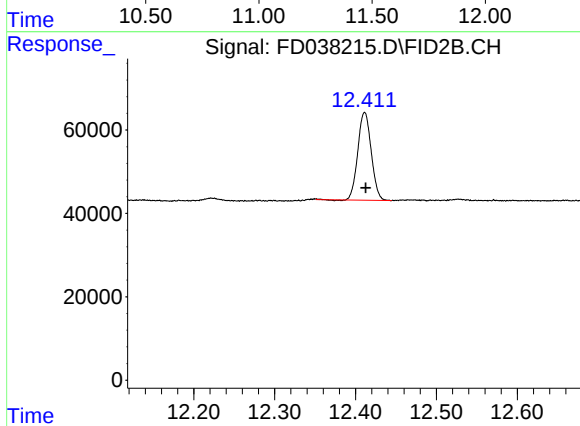
#8 n-Octadecane (C18)

R.T.: 11.108 min
Delta R.T.: -0.003 min
Response: 262266
Conc: 1.95 ug/ml



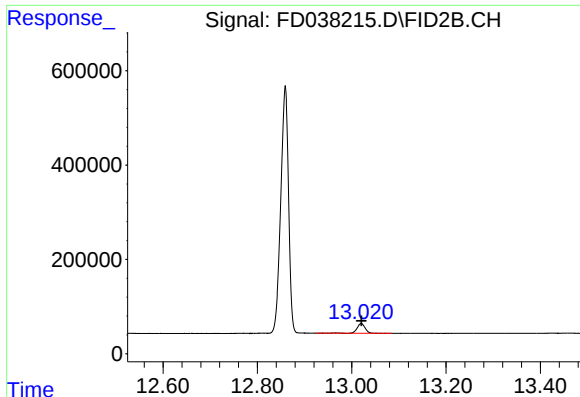
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.420 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.411 min
Delta R.T.: -0.001 min
Response: 243441
Conc: 1.81 ug/ml



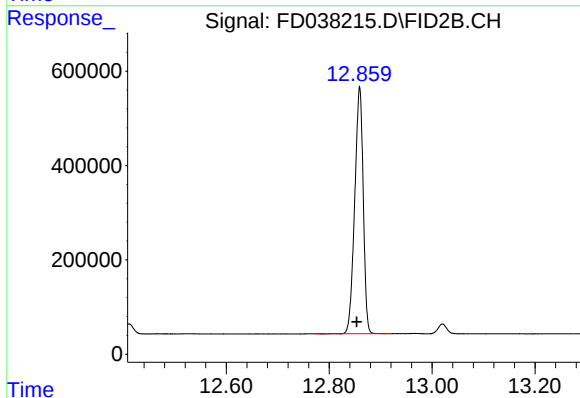
#11 n-Heneicosane (C21)

R.T.: 13.020 min
Delta R.T.: 0.000 min
Response: 248375
Conc: 1.83 ug/ml

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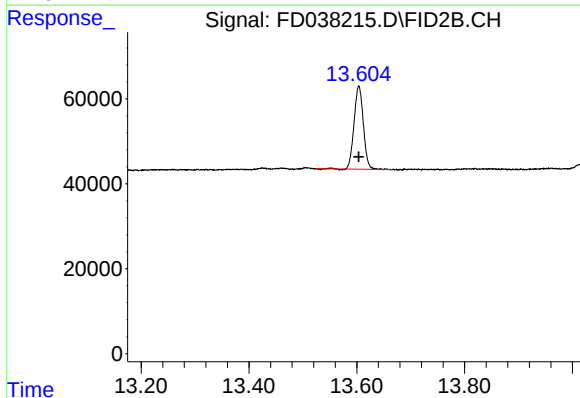
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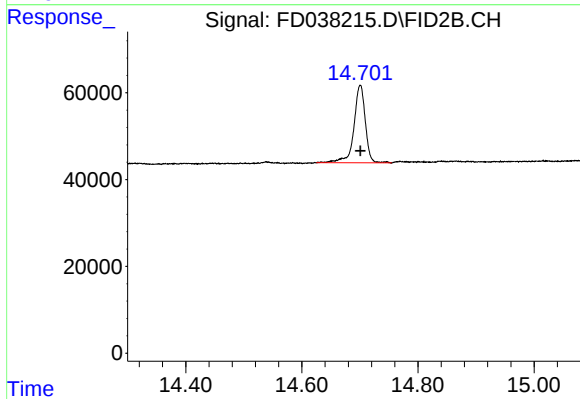
#12 1-chlorooctadecane (SURR)

R.T.: 12.859 min
Delta R.T.: 0.005 min
Response: 6001079
Conc: 52.64 ug/ml



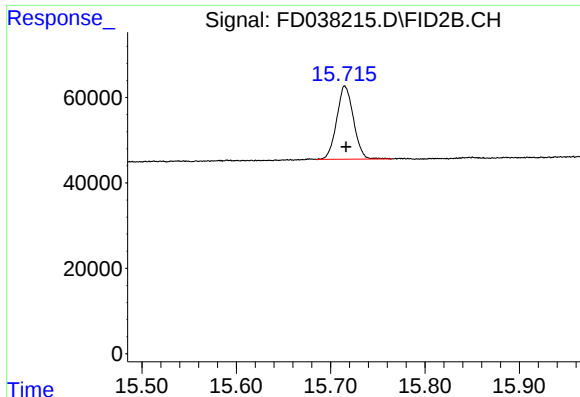
#13 n-Docosane (C22)

R.T.: 13.604 min
Delta R.T.: 0.000 min
Response: 235078
Conc: 1.75 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.701 min
Delta R.T.: 0.000 min
Response: 242240
Conc: 1.79 ug/ml



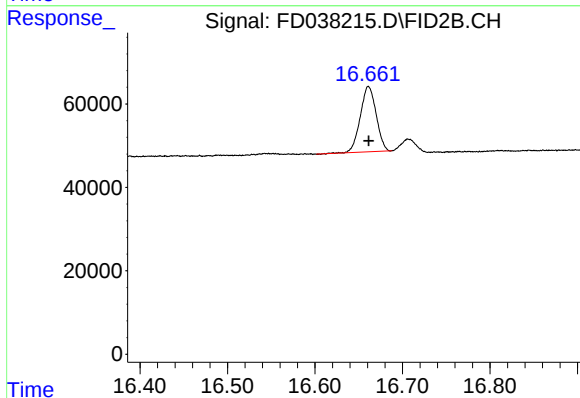
#15 n-Hexacosane (C26)

R.T.: 15.715 min
Delta R.T.: 0.000 min
Response: 211517
Conc: 1.61 ug/ml

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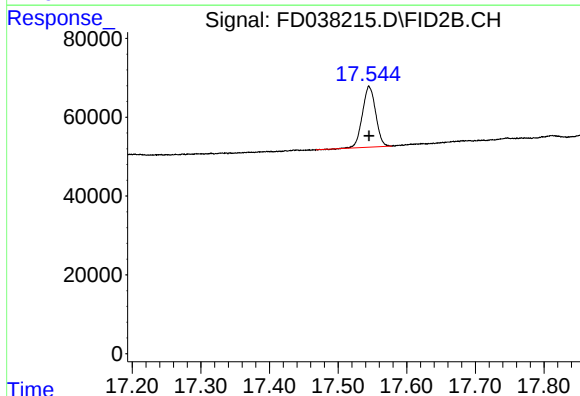
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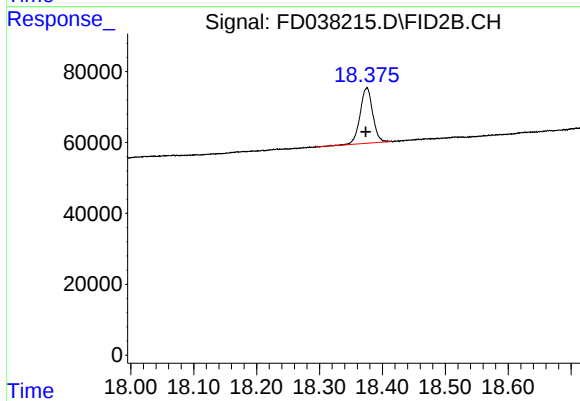
#16 n-Octacosane (C28)

R.T.: 16.661 min
Delta R.T.: 0.000 min
Response: 197383
Conc: 1.51 ug/ml



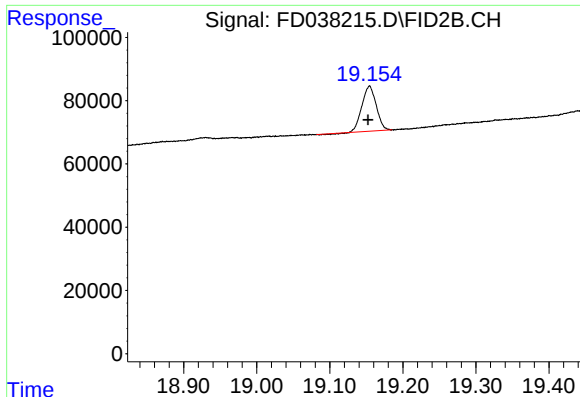
#17 n-Tricontane (C30)

R.T.: 17.545 min
Delta R.T.: 0.000 min
Response: 206379
Conc: 1.61 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.375 min
Delta R.T.: 0.002 min
Response: 214617
Conc: 1.74 ug/ml



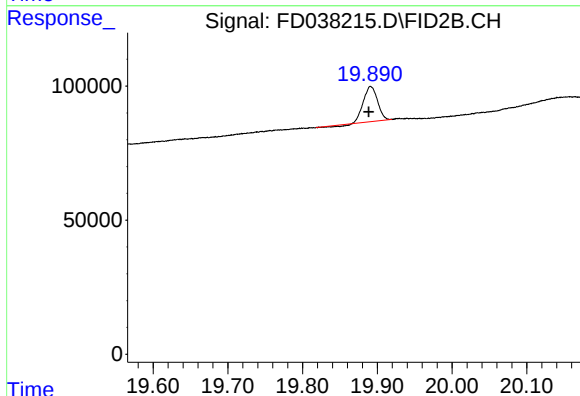
#19 n-Tetratriacontane (C34)

R.T.: 19.154 min
Delta R.T.: 0.002 min
Response: 192174
Conc: 1.64 ug/ml

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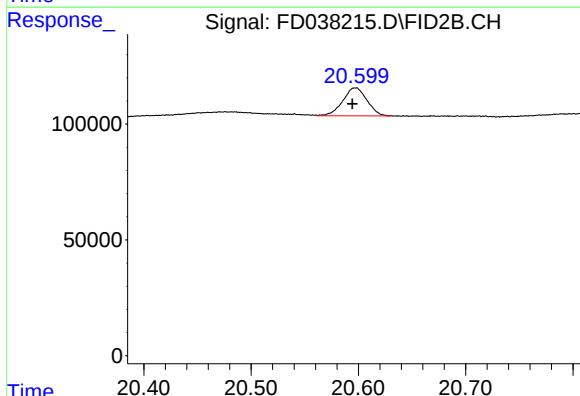
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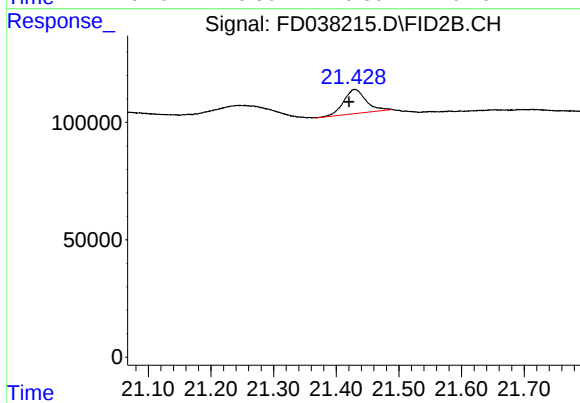
#20 n-Hexatriacontane (C36)

R.T.: 19.891 min
Delta R.T.: 0.003 min
Response: 163639
Conc: 1.50 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.599 min
Delta R.T.: 0.004 min
Response: 189024
Conc: 1.88 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 21.428 min
Delta R.T.: 0.008 min
Response: 254053
Conc: 2.60 ug/ml m