

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071521AL\
 Data File : FD038211.D
 Signal(s) : FID2B.CH
 Acq On : 15 Jul 2021 11:13
 Operator : AJ\MA
 Sample : M2940-01
 Misc : LOD 2.5 PPM
 ALS Vial : 54 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

mohammad
 7/16/2021 11:36:13 AM

Integration File: autoint1.e
 Quant Time: Jul 16 04:10:39 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...	12.863	5988488	52.526 ug/ml
Spiked Amount 50.000		Recovery =	105.05%
Target Compounds			
1) T n-Nonane (C9)	3.232	223146	1.836 ug/ml
2) T n-Decane (C10)	4.289	224402	1.835 ug/ml
4) T n-Dodecane (C12)	6.296	236666	1.900 ug/ml
6) T n-Tetradecane (C14)	8.083	244092	1.899 ug/ml
7) T n-Hexadecane (C16)	9.677	245541	1.895 ug/ml
8) T n-Octadecane (C18)	11.112	264397	1.963 ug/ml
10) T n-Eicosane (C20)	12.415	242281	1.804 ug/ml
11) T n-Heneicosane (C21)	13.025	235182	1.731 ug/ml
13) T n-Docosane (C22)	13.608	233287	1.734 ug/ml
14) T n-Tetracosane (C24)	14.705	234021	1.733 ug/ml
15) T n-Hexacosane (C26)	15.721	216324	1.642 ug/ml
16) T n-Octacosane (C28)	16.666	193980	1.488 ug/ml
17) T n-Tricontane (C30)	17.550	206129	1.613 ug/ml
18) T n-Dotriacontane (C32)	18.380	214807	1.746 ug/ml
19) T n-Tetratriacontane (C34)	19.159	200859	1.715 ug/mlm
20) T n-Hexatriacontane (C36)	19.895	186548	1.708 ug/mlm
21) T n-Octatriacontane (C38)	20.602	197029	1.956 ug/mlm
22) T n-Tetracontane (C40)	21.434	292903	2.995 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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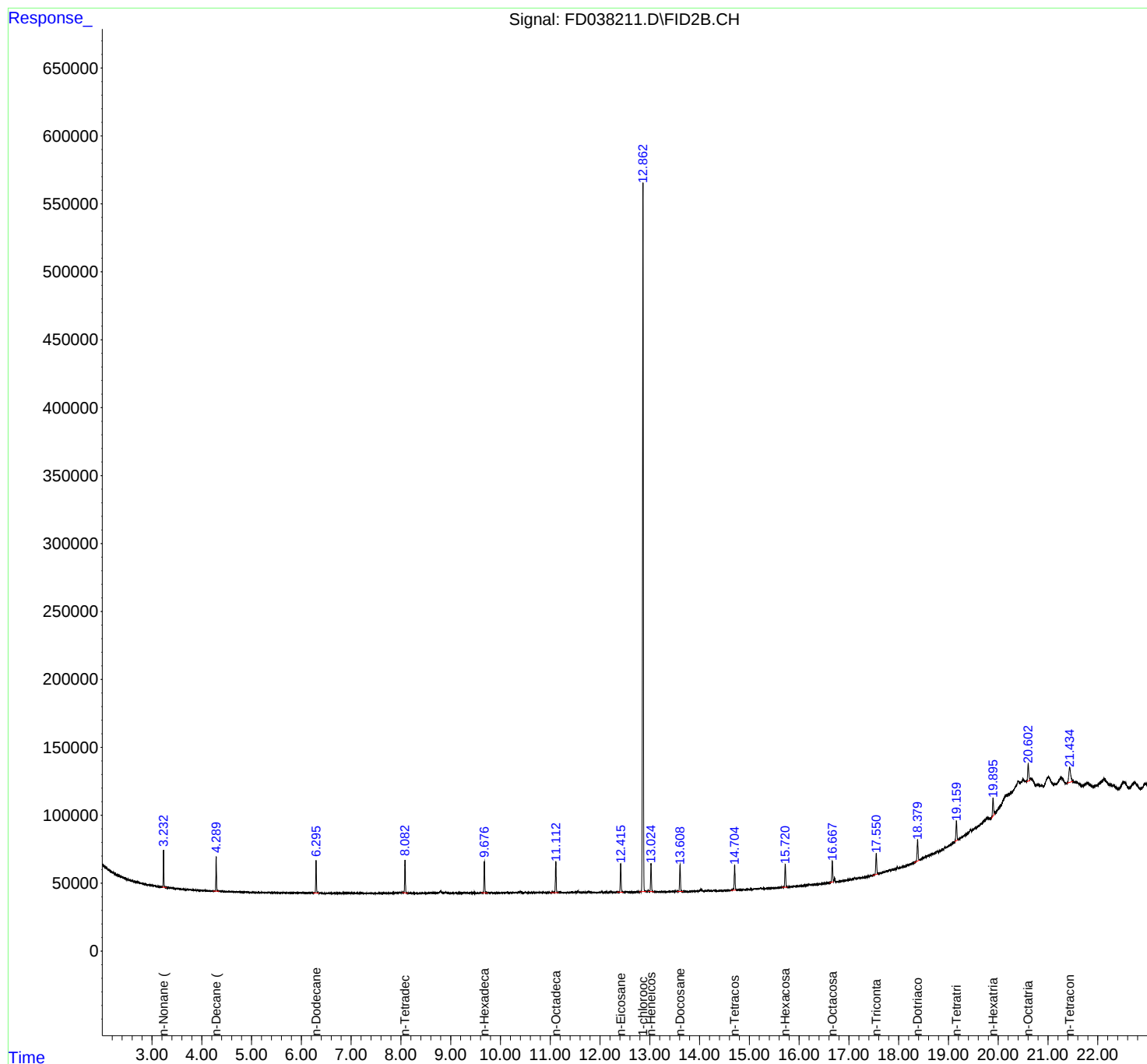
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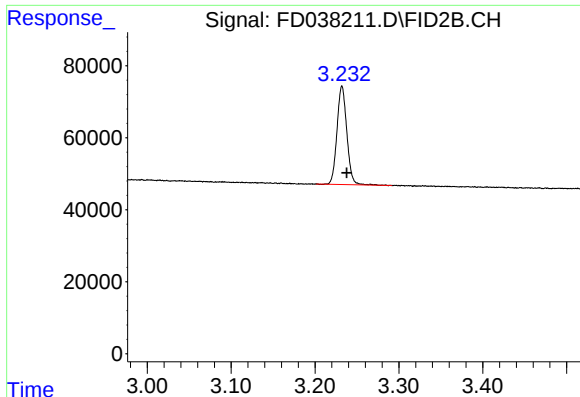
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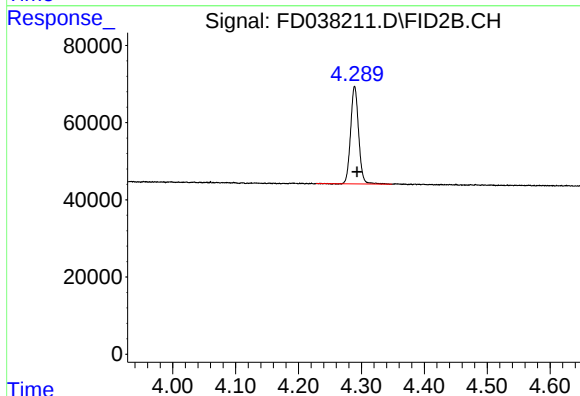
#1 n-Nonane (C9)

R.T.: 3.232 min
Delta R.T.: -0.006 min
Response: 223146
Conc: 1.84 ug/ml

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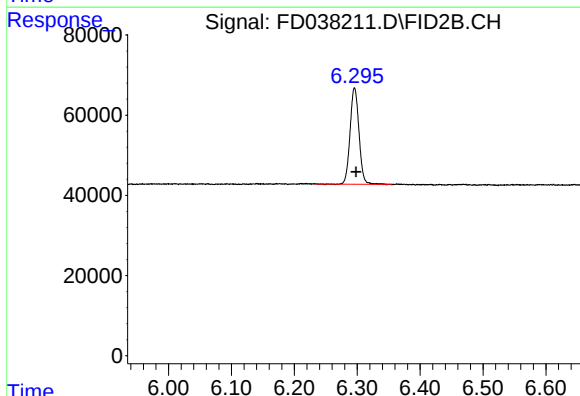
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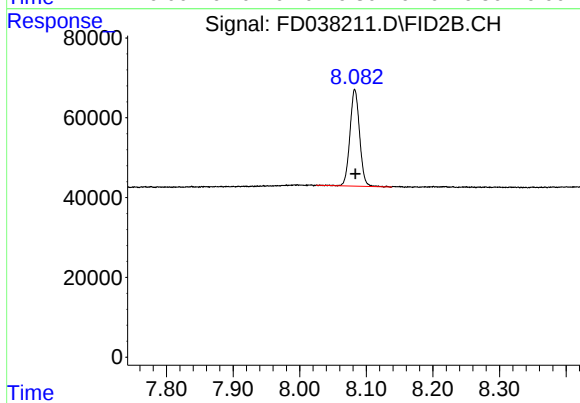
#2 n-Decane (C10)

R.T.: 4.289 min
Delta R.T.: -0.004 min
Response: 224402
Conc: 1.83 ug/ml



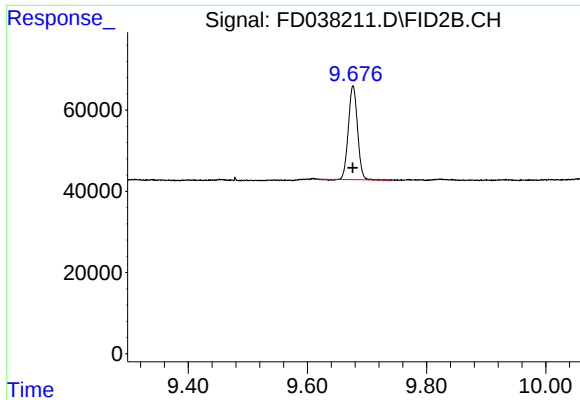
#4 n-Dodecane (C12)

R.T.: 6.296 min
Delta R.T.: -0.002 min
Response: 236666
Conc: 1.90 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.083 min
Delta R.T.: 0.000 min
Response: 244092
Conc: 1.90 ug/ml



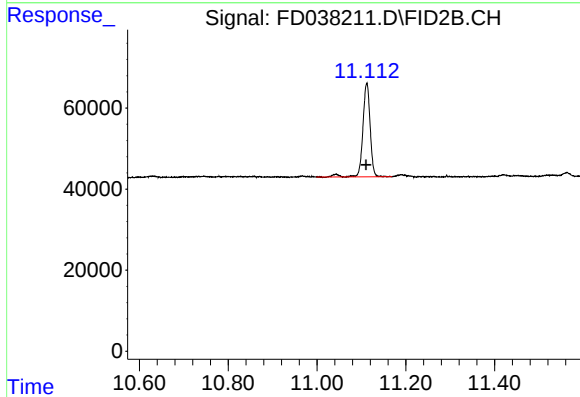
#7 n-Hexadecane (C16)

R.T.: 9.677 min
Delta R.T.: 0.000 min
Response: 245541
Conc: 1.89 ug/ml

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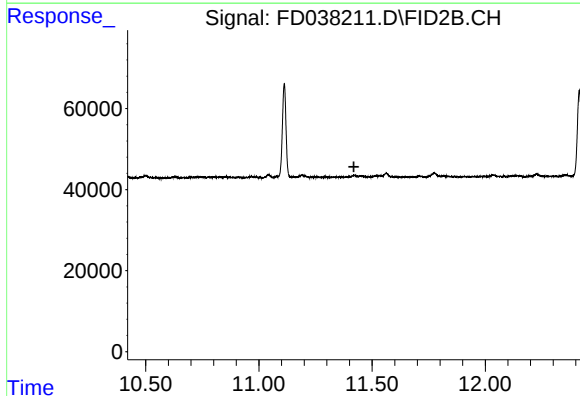
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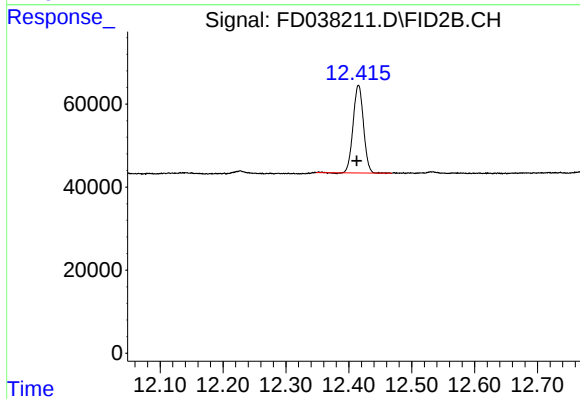
#8 n-Octadecane (C18)

R.T.: 11.112 min
Delta R.T.: 0.001 min
Response: 264397
Conc: 1.96 ug/ml



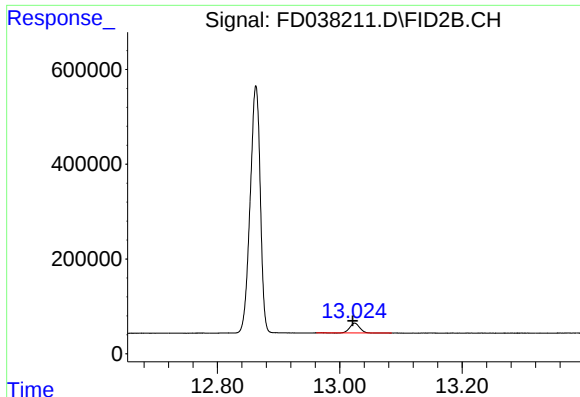
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

R.T.: 12.415 min
Delta R.T.: 0.003 min
Response: 242281
Conc: 1.80 ug/ml



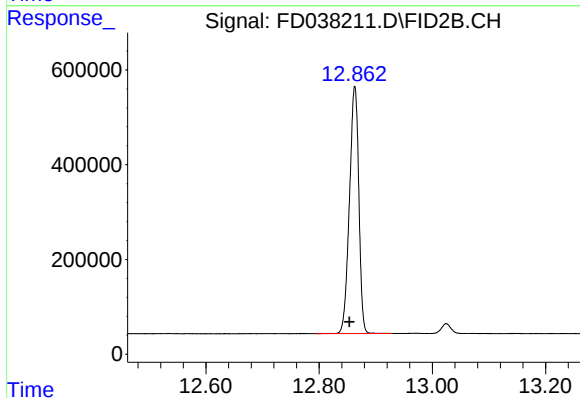
#11 n-Heneicosane (C21)

R.T.: 13.025 min
Delta R.T.: 0.004 min
Response: 235182
Conc: 1.73 ug/ml

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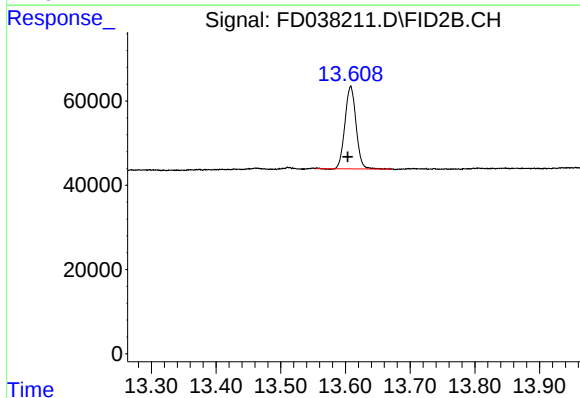
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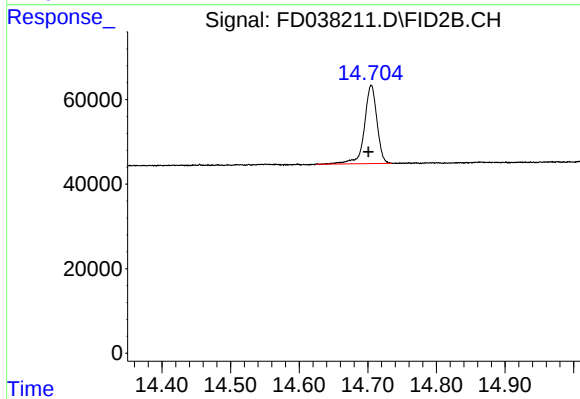
#12 1-chlorooctadecane (SURR)

R.T.: 12.863 min
Delta R.T.: 0.009 min
Response: 5988488
Conc: 52.53 ug/ml



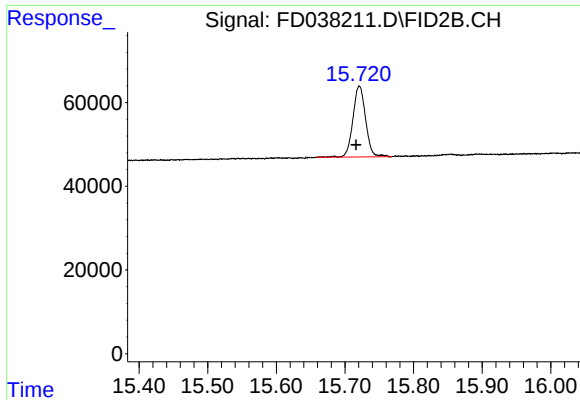
#13 n-Docosane (C22)

R.T.: 13.608 min
Delta R.T.: 0.005 min
Response: 233287
Conc: 1.73 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.705 min
Delta R.T.: 0.004 min
Response: 234021
Conc: 1.73 ug/ml



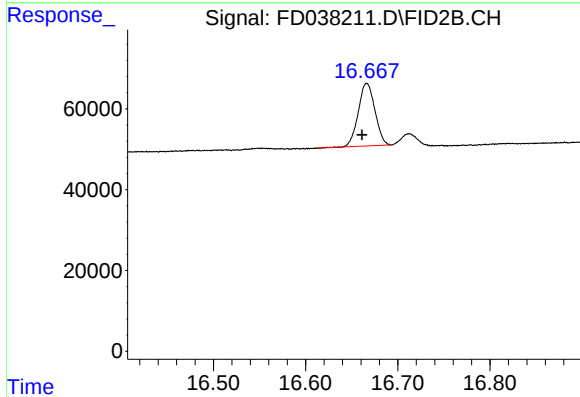
#15 n-Hexacosane (C26)

R.T.: 15.721 min
Delta R.T.: 0.005 min
Response: 216324
Conc: 1.64 ug/ml

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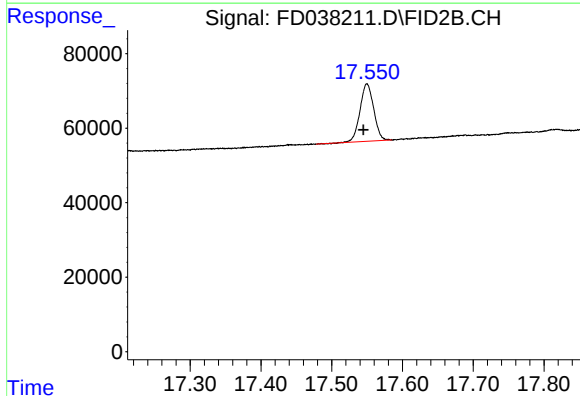
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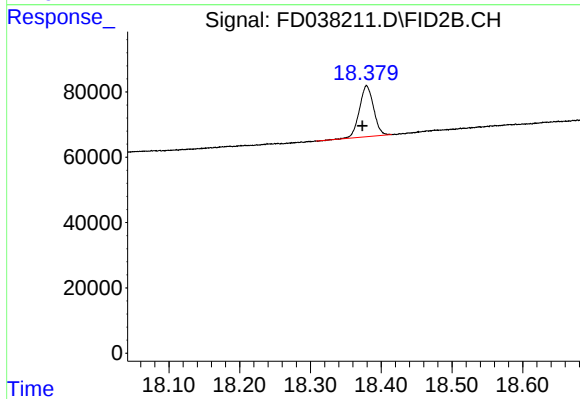
#16 n-Octacosane (C28)

R.T.: 16.666 min
Delta R.T.: 0.005 min
Response: 193980
Conc: 1.49 ug/ml



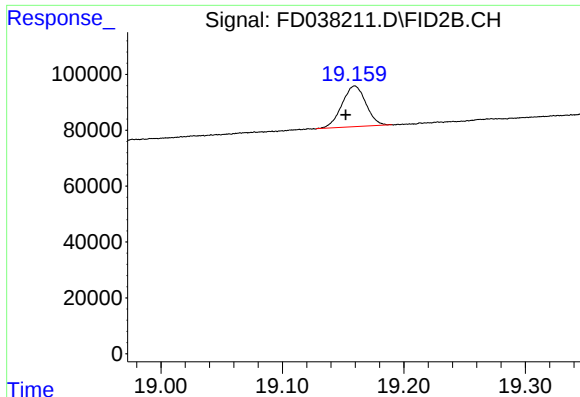
#17 n-Tricontane (C30)

R.T.: 17.550 min
Delta R.T.: 0.005 min
Response: 206129
Conc: 1.61 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.380 min
Delta R.T.: 0.006 min
Response: 214807
Conc: 1.75 ug/ml



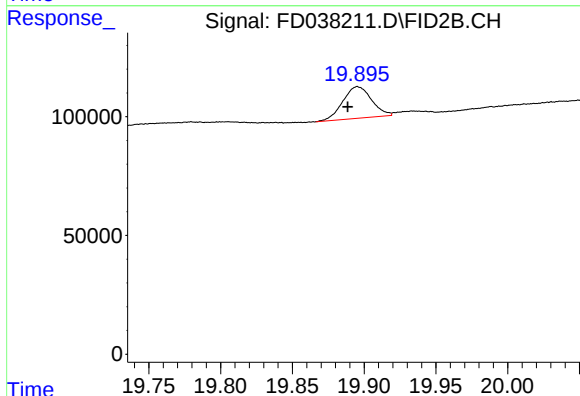
#19 n-Tetratriacontane (C34)

R.T.: 19.159 min
Delta R.T.: 0.007 min
Response: 200859
Conc: 1.72 ug/ml m

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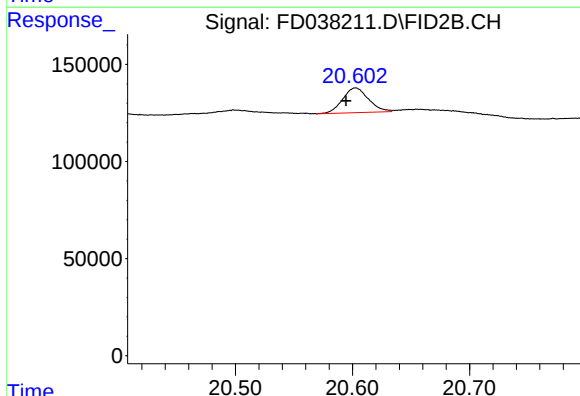
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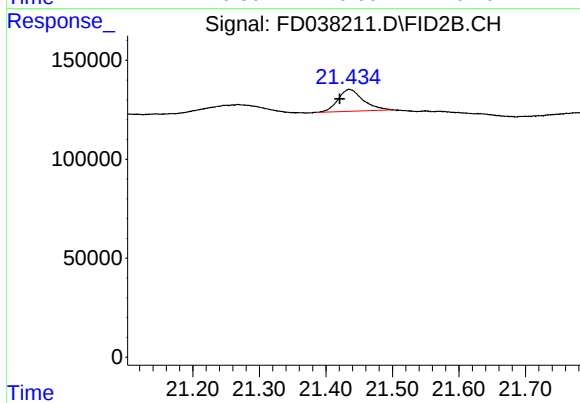
#20 n-Hexatriacontane (C36)

R.T.: 19.895 min
Delta R.T.: 0.007 min
Response: 186548
Conc: 1.71 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 20.602 min
Delta R.T.: 0.008 min
Response: 197029
Conc: 1.96 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 21.434 min
Delta R.T.: 0.014 min
Response: 292903
Conc: 2.99 ug/ml m