

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022423AL\
 Data File : FC063001.D
 Signal(s) : FID1A.ch
 Acq On : 23 Feb 2023 17:57
 Operator : YP/AJ
 Sample : 01627-07
 Misc : 4 PPM WATER LOD
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/24/2023
 Supervised By :Ankita Jodhani 02/24/2023

Integration File: autoint1.e
 Quant Time: Feb 24 05:30:21 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 022223.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 22 04:36:00 2023
 Response via : Initial Calibration
 Integrator: ChemStation

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...	12.978	4959631	50.843 ug/ml
Spiked Amount 50.000		Recovery =	101.69%
Target Compounds			
1) T n-Nonane (C9)	3.295	258659	2.182 ug/ml
2) T n-Decane (C10)	4.362	316096	2.741 ug/ml
4) T n-Dodecane (C12)	6.382	390580	3.382 ug/ml
6) T n-Tetradecane (C14)	8.178	362289	3.206 ug/ml
7) T n-Hexadecane (C16)	9.780	385738	3.353 ug/ml
8) T n-Octadecane (C18)	11.222	417093	3.581 ug/ml
10) T n-Eicosane (C20)	12.531	432617	3.797 ug/ml
11) T n-Heneicosane (C21)	13.143	410440	3.601 ug/ml
13) T n-Docosane (C22)	13.728	427202	3.788 ug/ml
14) T n-Tetracosane (C24)	14.828	468405	4.180 ug/mlm
15) T n-Hexacosane (C26)	15.847	417363	3.774 ug/ml
16) T n-Octacosane (C28)	16.796	411959	3.744 ug/ml
17) T n-Tricontane (C30)	17.685	430177	3.906 ug/ml
18) T n-Dotriacontane (C32)	18.514	442382	3.964 ug/ml
19) T n-Tetratriacontane (C34)	19.296	433961	3.883 ug/ml
20) T n-Hexatriacontane (C36)	20.034	414998	3.823 ug/ml
21) T n-Octatriacontane (C38)	20.763	413893	3.809 ug/ml
22) T n-Tetracontane (C40)	21.660	393921	3.621 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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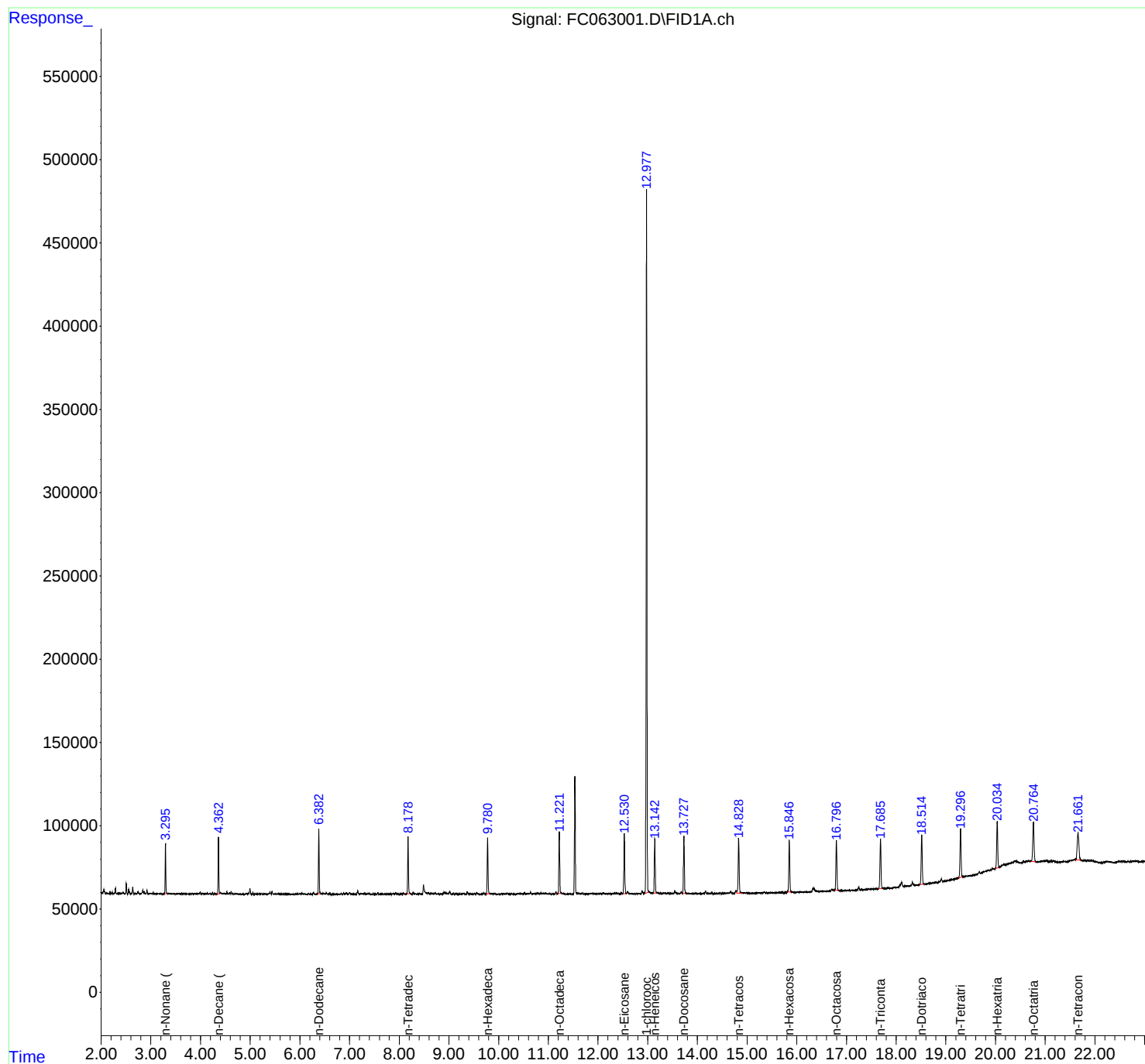
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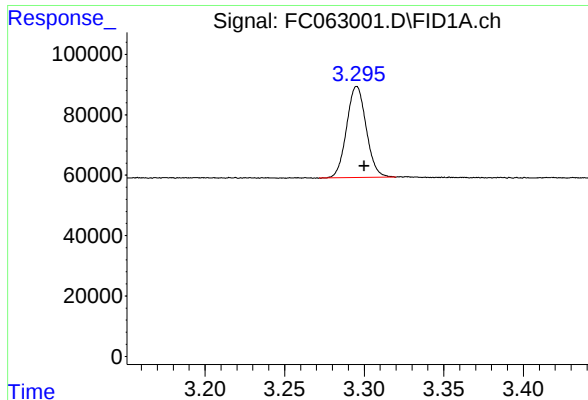
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#1 n-Nonane (C9)

R.T.: 3.295 min
Delta R.T.: -0.005 min
Response: 258659
Conc: 2.18 ug/ml

Instrument :

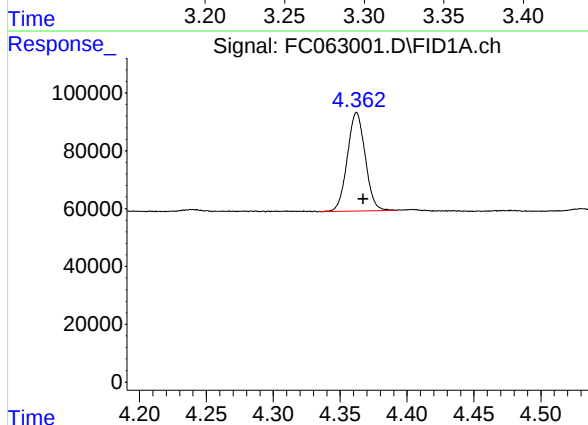
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ClientSampleId :

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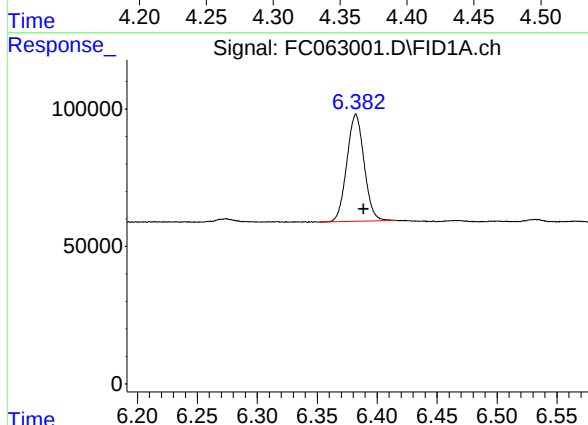
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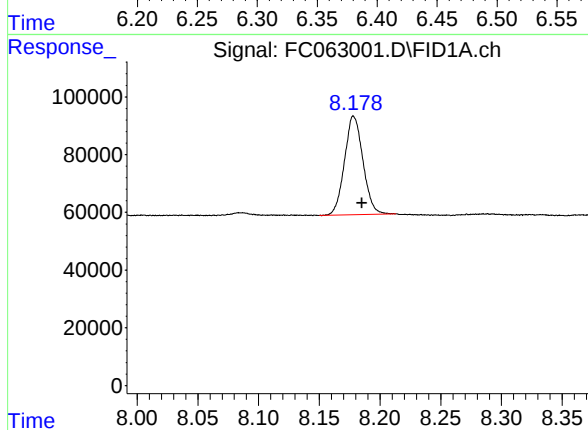
#2 n-Decane (C10)

R.T.: 4.362 min
Delta R.T.: -0.005 min
Response: 316096
Conc: 2.74 ug/ml



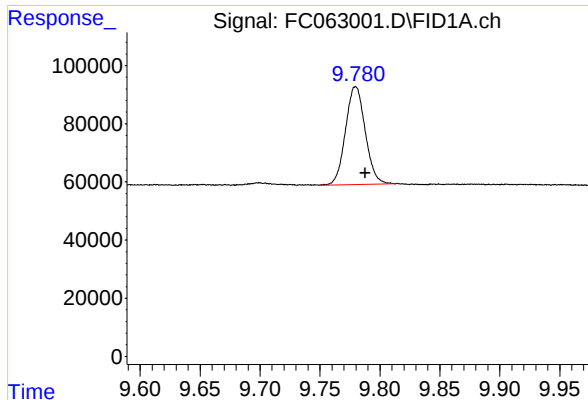
#4 n-Dodecane (C12)

R.T.: 6.382 min
Delta R.T.: -0.006 min
Response: 390580
Conc: 3.38 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.178 min
Delta R.T.: -0.007 min
Response: 362289
Conc: 3.21 ug/ml



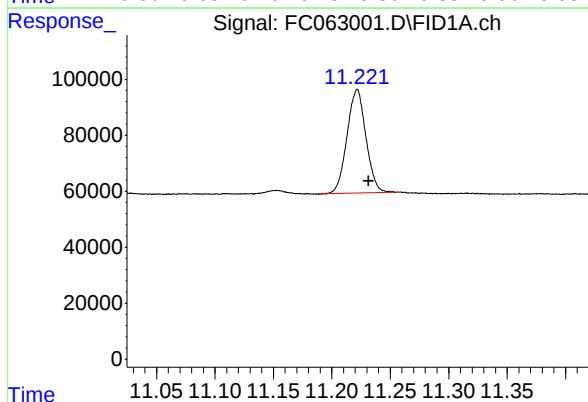
#7 n-Hexadecane (C16)

R.T.: 9.780 min
Delta R.T.: -0.008 min
Response: 385738
Conc: 3.35 ug/ml

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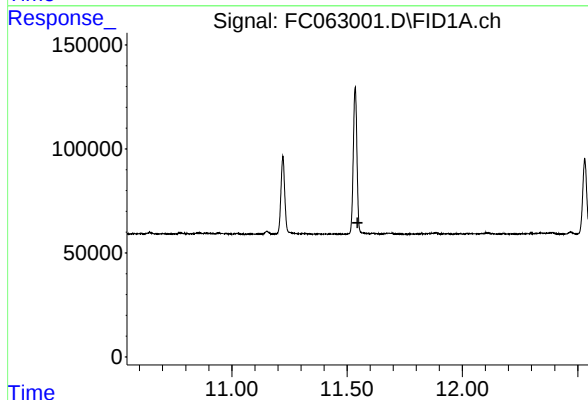
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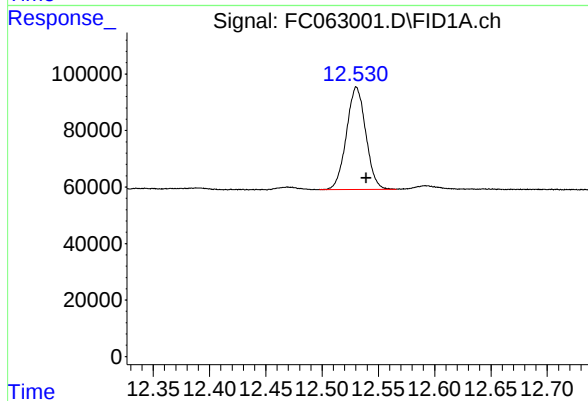
#8 n-Octadecane (C18)

R.T.: 11.222 min
Delta R.T.: -0.010 min
Response: 417093
Conc: 3.58 ug/ml



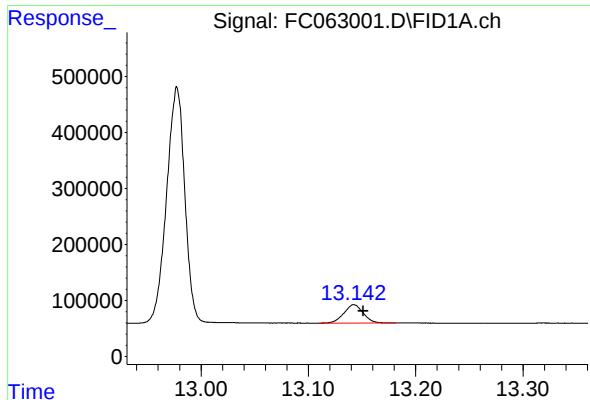
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.545 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.531 min
Delta R.T.: -0.009 min
Response: 432617
Conc: 3.80 ug/ml



#11 n-Heneicosane (C21)

R.T.: 13.143 min
Delta R.T.: -0.008 min
Response: 410440
Conc: 3.60 ug/ml

Instrument :

FID_C

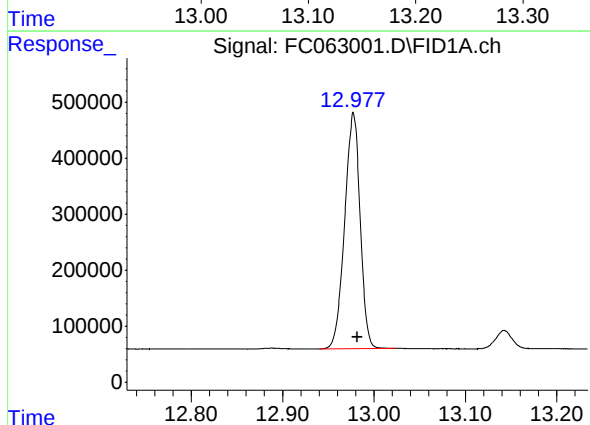
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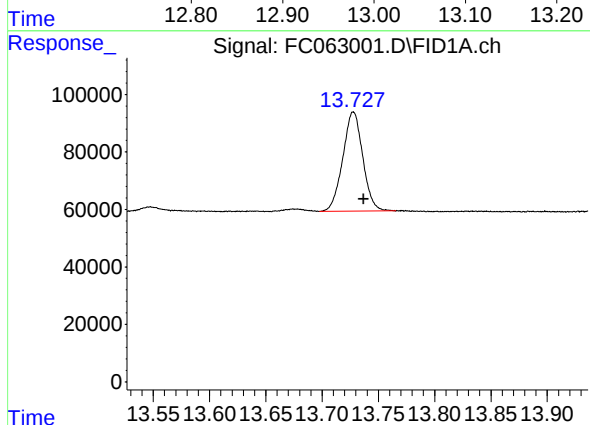
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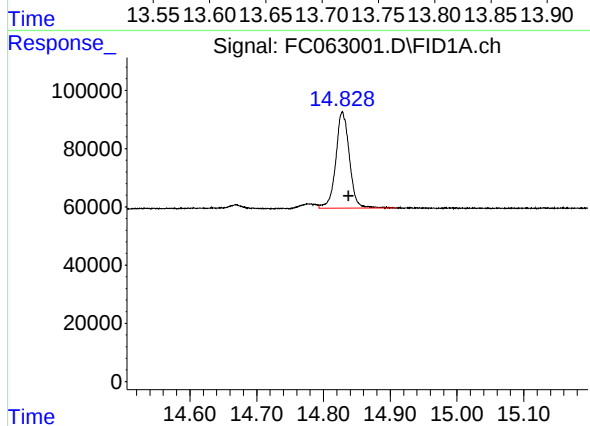
#12 1-chlorooctadecane (SURR)

R.T.: 12.978 min
Delta R.T.: -0.004 min
Response: 4959631
Conc: 50.84 ug/ml



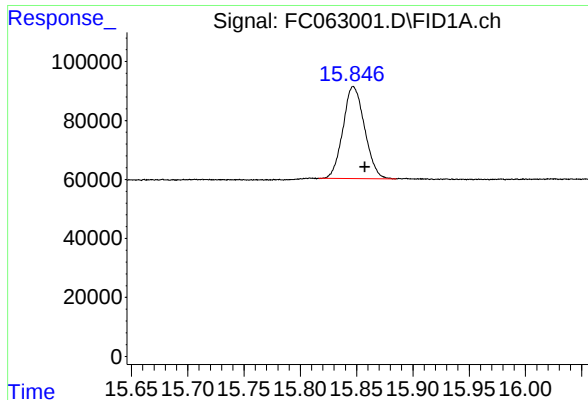
#13 n-Docosane (C22)

R.T.: 13.728 min
Delta R.T.: -0.009 min
Response: 427202
Conc: 3.79 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.828 min
Delta R.T.: -0.010 min
Response: 468405
Conc: 4.18 ug/ml m



#15 n-Hexacosane (C26)

R.T.: 15.847 min
Delta R.T.: -0.010 min
Response: 417363
Conc: 3.77 ug/ml

Instrument :

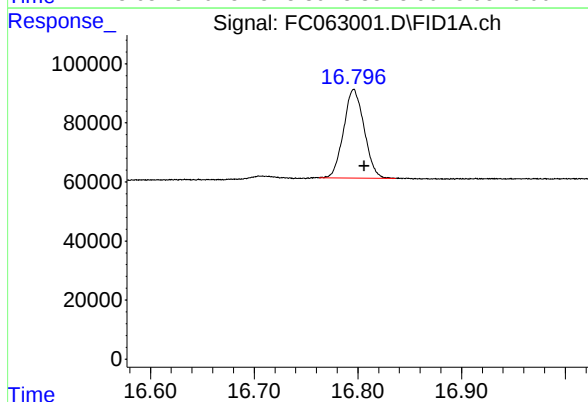
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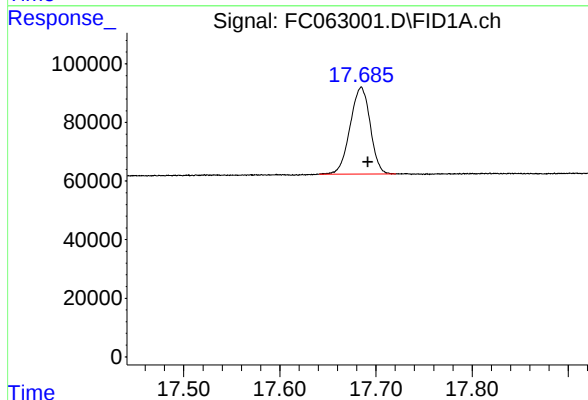
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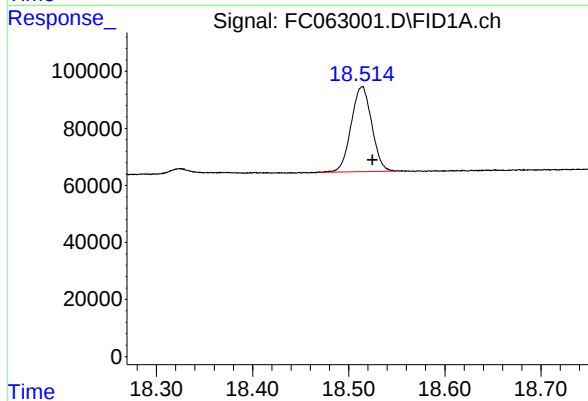
#16 n-Octacosane (C28)

R.T.: 16.796 min
Delta R.T.: -0.010 min
Response: 411959
Conc: 3.74 ug/ml



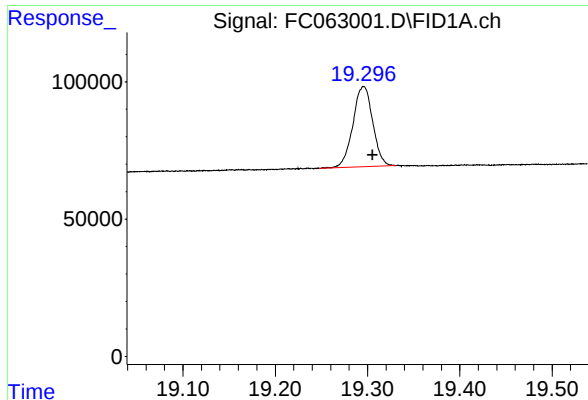
#17 n-Tricontane (C30)

R.T.: 17.685 min
Delta R.T.: -0.007 min
Response: 430177
Conc: 3.91 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.514 min
Delta R.T.: -0.011 min
Response: 442382
Conc: 3.96 ug/ml



#19 n-Tetratriacontane (C34)

R.T.: 19.296 min
Delta R.T.: -0.009 min
Response: 433961
Conc: 3.88 ug/ml

Instrument :

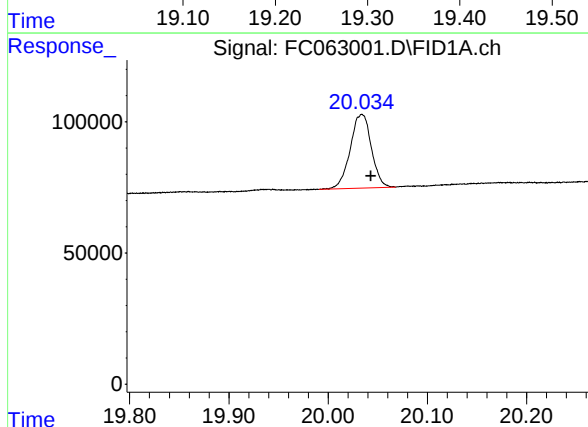
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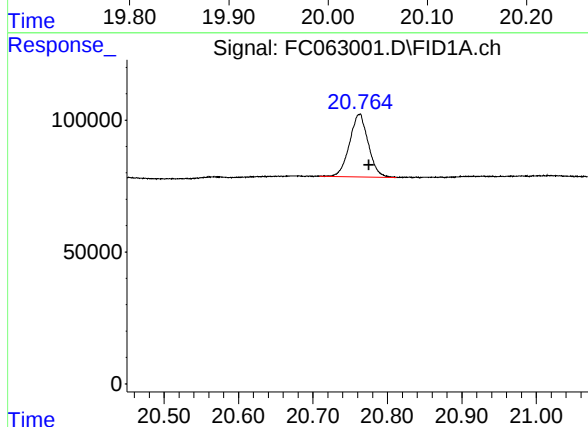
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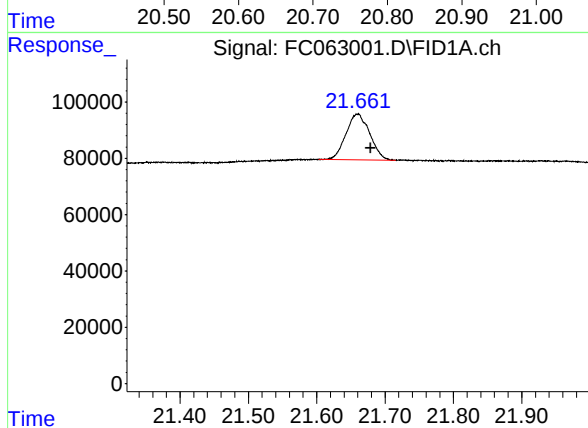
#20 n-Hexatriacontane (C36)

R.T.: 20.034 min
Delta R.T.: -0.009 min
Response: 414998
Conc: 3.82 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.763 min
Delta R.T.: -0.013 min
Response: 413893
Conc: 3.81 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.660 min
Delta R.T.: -0.018 min
Response: 393921
Conc: 3.62 ug/ml