

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022423AL\
 Data File : FC063000.D
 Signal(s) : FID1A.ch
 Acq On : 23 Feb 2023 17:13
 Operator : YP/AJ
 Sample : 01627-07
 Misc : 2.5 PPM WATER LOD
 ALS Vial : 59 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 05:30:13 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...	12.977	5313322	54.469 ug/ml
Spiked Amount 50.000		Recovery =	108.94%
Target Compounds			
1) T n-Nonane (C9)	3.298	200646	1.692 ug/ml
2) T n-Decane (C10)	4.364	242850	2.106 ug/ml
4) T n-Dodecane (C12)	6.383	319511	2.767 ug/ml
6) T n-Tetradecane (C14)	8.179	297226	2.630 ug/ml
7) T n-Hexadecane (C16)	9.780	305714	2.658 ug/ml
8) T n-Octadecane (C18)	11.221	320658	2.753 ug/ml
10) T n-Eicosane (C20)	12.530	330874	2.904 ug/ml
11) T n-Heneicosane (C21)	13.142	301173	2.643 ug/ml
13) T n-Docosane (C22)	13.727	323651	2.870 ug/ml
14) T n-Tetracosane (C24)	14.829	344685	3.076 ug/mlm
15) T n-Hexacosane (C26)	15.848	310630	2.809 ug/ml
16) T n-Octacosane (C28)	16.796	305138	2.773 ug/ml
17) T n-Tricontane (C30)	17.682	322352	2.927 ug/ml
18) T n-Dotriacontane (C32)	18.513	332312	2.978 ug/ml
19) T n-Tetratriacontane (C34)	19.295	327934	2.934 ug/ml
20) T n-Hexatriacontane (C36)	20.033	309192	2.848 ug/ml
21) T n-Octatriacontane (C38)	20.763	308752	2.841 ug/ml
22) T n-Tetracontane (C40)	21.663	309747	2.847 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 59 Sample Multiplier: 1

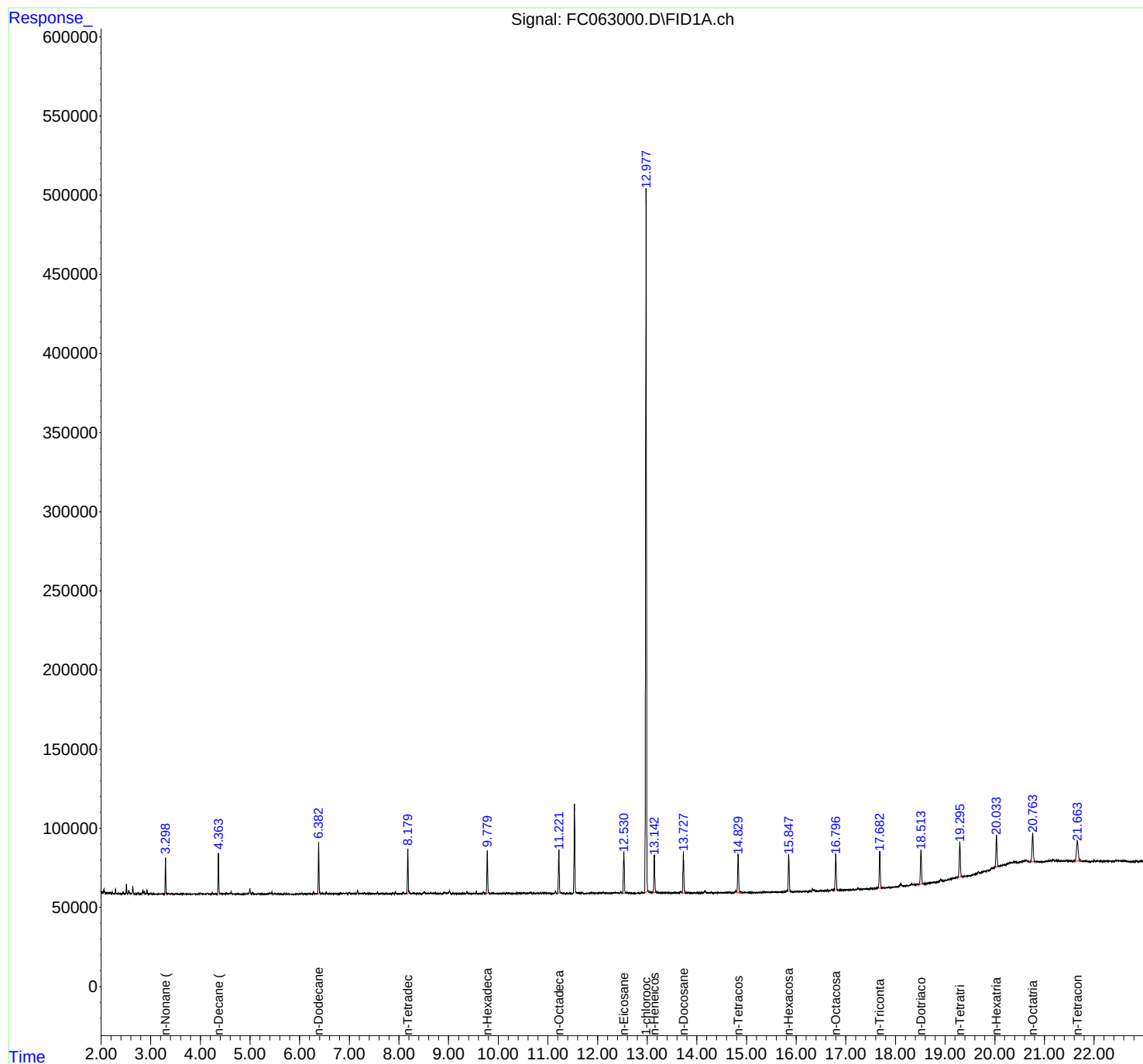
Instrument :
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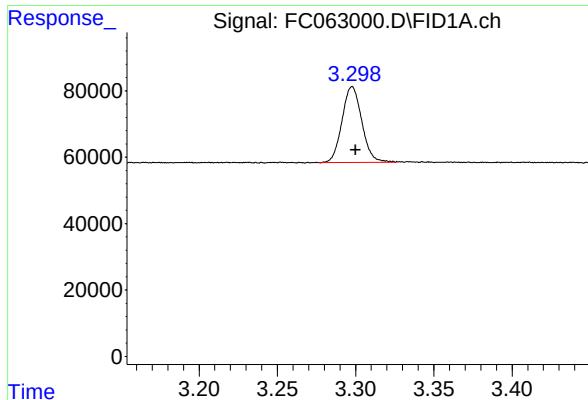
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#1 n-Nonane (C9)

R.T.: 3.298 min
Delta R.T.: -0.002 min
Response: 200646
Conc: 1.69 ug/ml

Instrument :

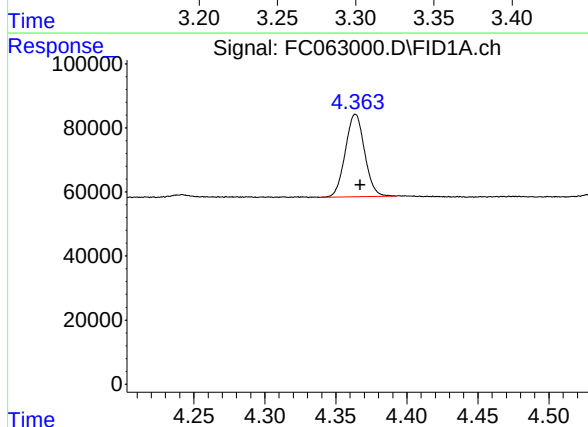
FID_C

ClientSampleId :

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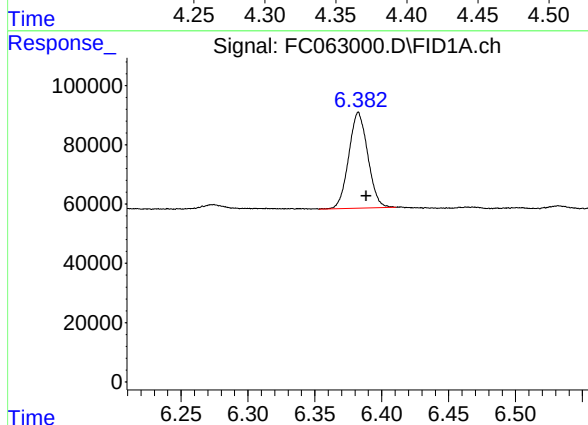
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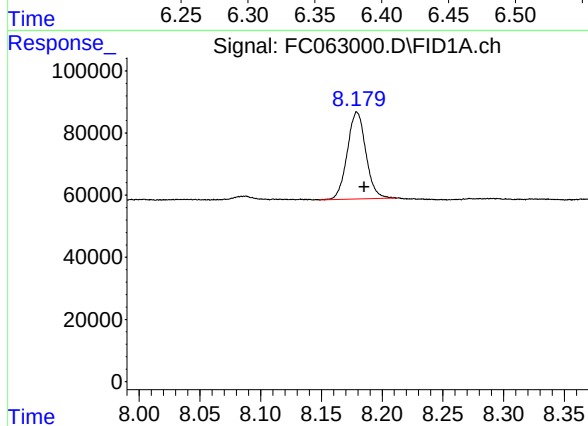
#2 n-Decane (C10)

R.T.: 4.364 min
Delta R.T.: -0.003 min
Response: 242850
Conc: 2.11 ug/ml



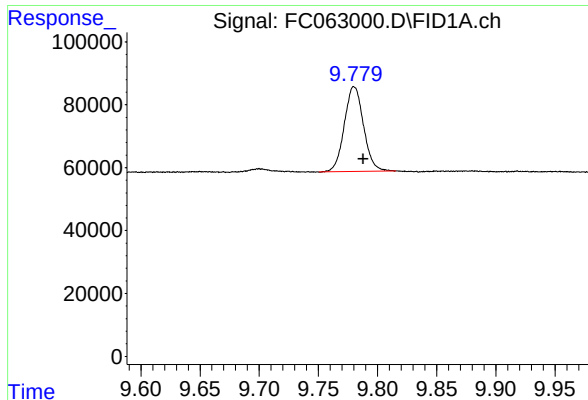
#4 n-Dodecane (C12)

R.T.: 6.383 min
Delta R.T.: -0.006 min
Response: 319511
Conc: 2.77 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.179 min
Delta R.T.: -0.006 min
Response: 297226
Conc: 2.63 ug/ml



#7 n-Hexadecane (C16)

R.T.: 9.780 min
Delta R.T.: -0.008 min
Response: 305714
Conc: 2.66 ug/ml

Instrument :

FID_C

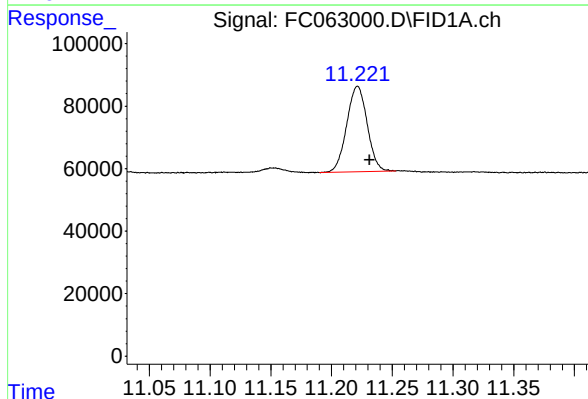
ClientSampleId :

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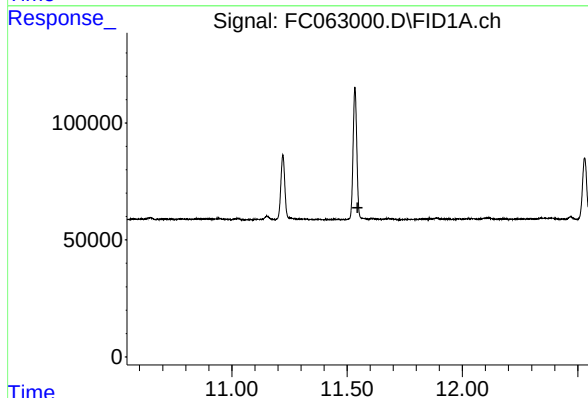
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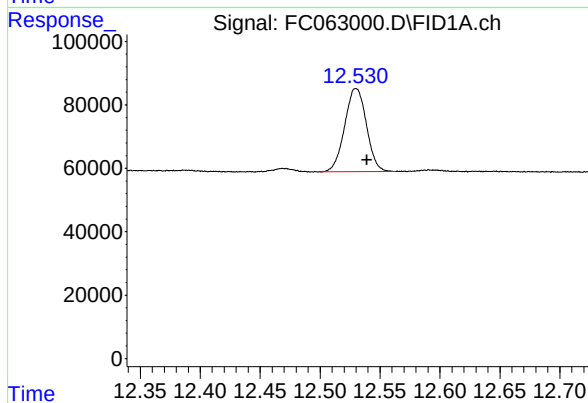
#8 n-Octadecane (C18)

R.T.: 11.221 min
Delta R.T.: -0.010 min
Response: 320658
Conc: 2.75 ug/ml



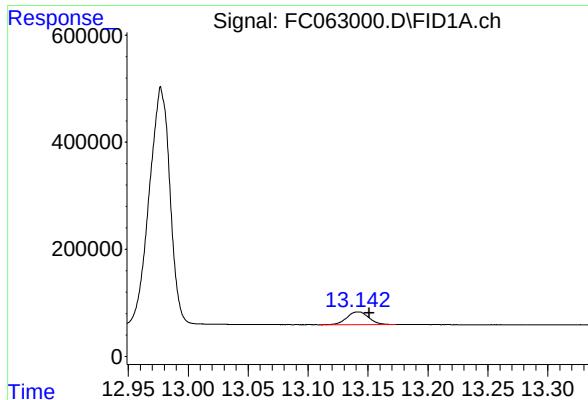
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

R.T.: 12.530 min
Delta R.T.: -0.009 min
Response: 330874
Conc: 2.90 ug/ml



#11 n-Heneicosane (C21)

R.T.: 13.142 min
Delta R.T.: -0.009 min
Response: 301173
Conc: 2.64 ug/ml

Instrument :

FID_C

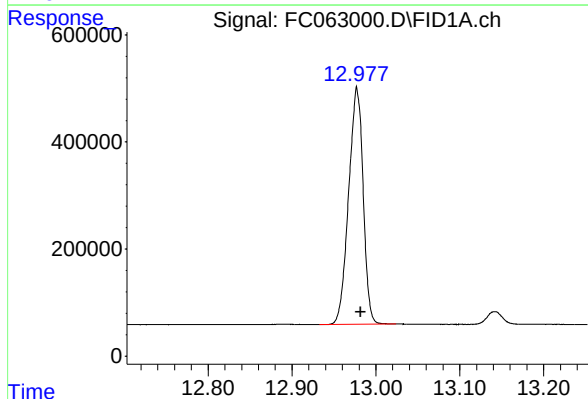
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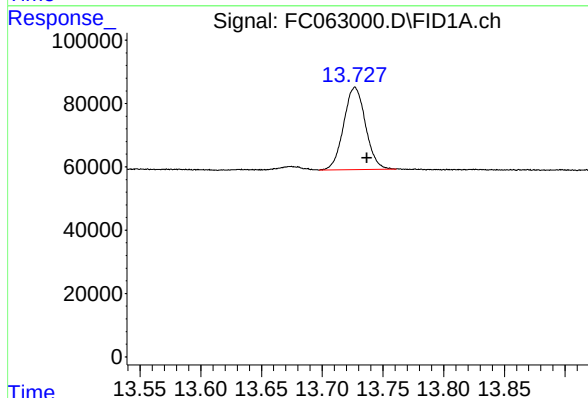
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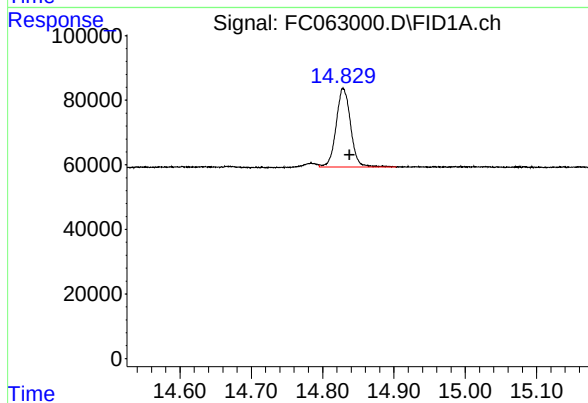
#12 1-chlorooctadecane (SURR)

R.T.: 12.977 min
Delta R.T.: -0.004 min
Response: 5313322
Conc: 54.47 ug/ml



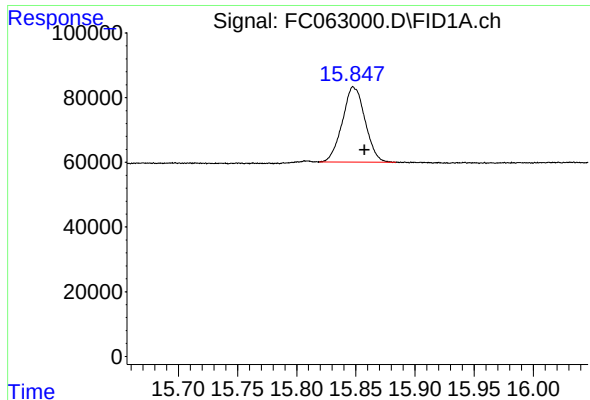
#13 n-Docosane (C22)

R.T.: 13.727 min
Delta R.T.: -0.010 min
Response: 323651
Conc: 2.87 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.829 min
Delta R.T.: -0.009 min
Response: 344685
Conc: 3.08 ug/ml m



#15 n-Hexacosane (C26)

R.T.: 15.848 min
Delta R.T.: -0.009 min
Response: 310630
Conc: 2.81 ug/ml

Instrument :

FID_C

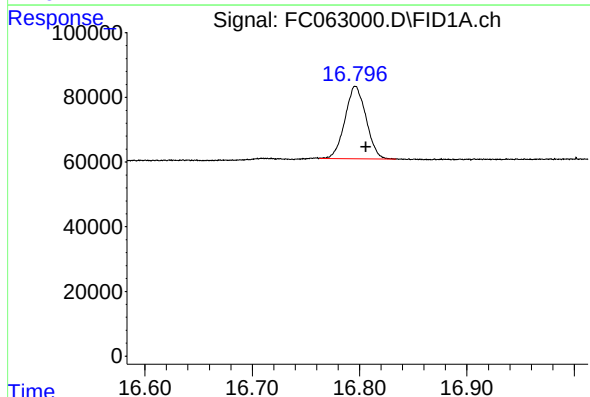
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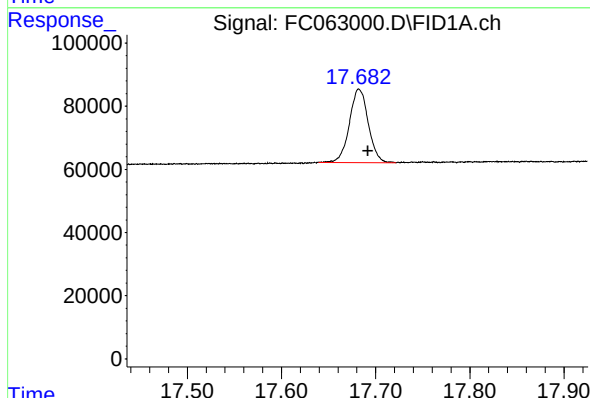
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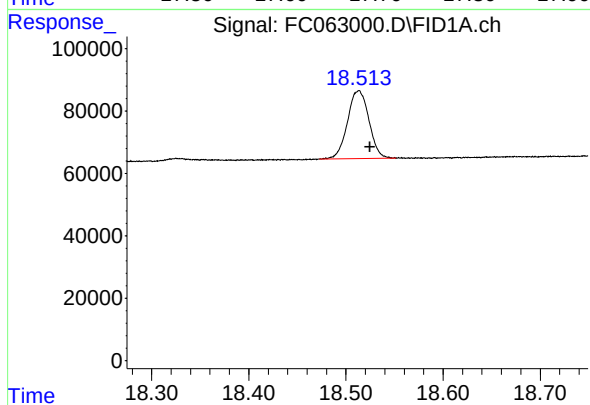
#16 n-Octacosane (C28)

R.T.: 16.796 min
Delta R.T.: -0.010 min
Response: 305138
Conc: 2.77 ug/ml



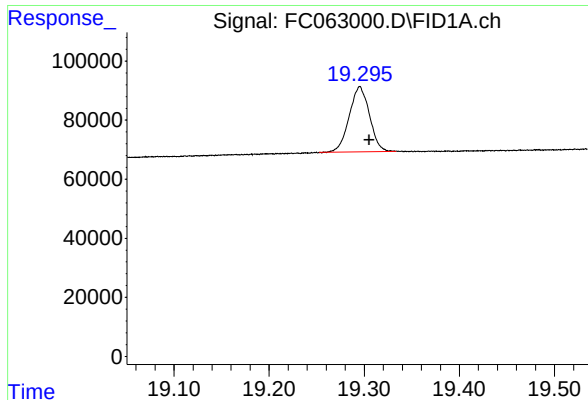
#17 n-Tricontane (C30)

R.T.: 17.682 min
Delta R.T.: -0.010 min
Response: 322352
Conc: 2.93 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.513 min
Delta R.T.: -0.012 min
Response: 332312
Conc: 2.98 ug/ml



#19 n-Tetratriacontane (C34)

R.T.: 19.295 min
Delta R.T.: -0.010 min
Response: 327934
Conc: 2.93 ug/ml

Instrument :

FID_C

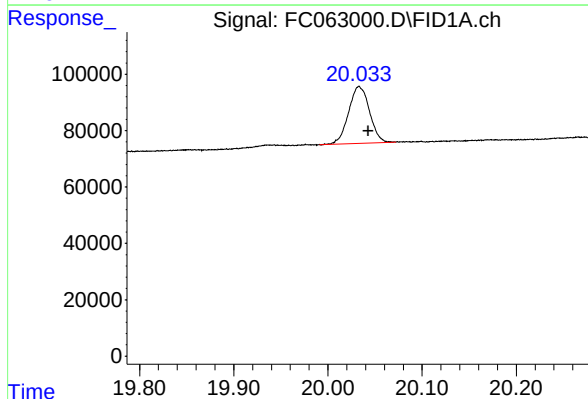
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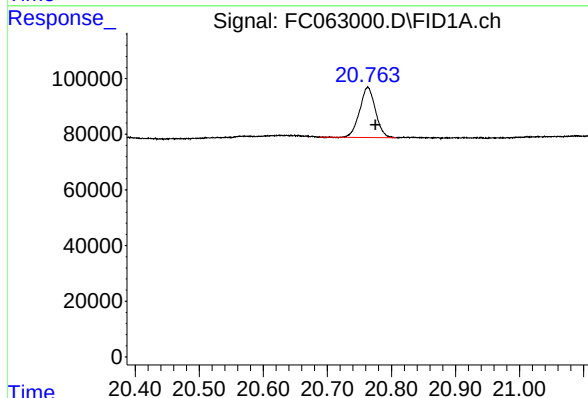
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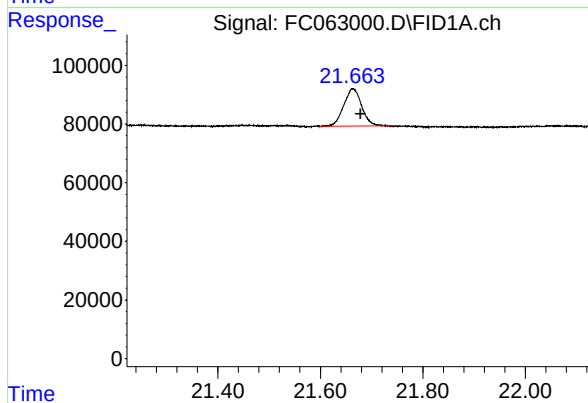
#20 n-Hexatriacontane (C36)

R.T.: 20.033 min
Delta R.T.: -0.010 min
Response: 309192
Conc: 2.85 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.763 min
Delta R.T.: -0.012 min
Response: 308752
Conc: 2.84 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.663 min
Delta R.T.: -0.016 min
Response: 309747
Conc: 2.85 ug/ml m