

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040623AL\
 Data File : FC063310.D
 Signal(s) : FID1A.ch
 Acq On : 06 Apr 2023 21:15
 Operator : YP/AJ
 Sample : 02213-01
 Misc : 4 PPM SOIL LOD
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/07/2023
 Supervised By :Ankita Jodhani 04/07/2023

Integration File: autoint1.e
 Quant Time: Apr 07 06:35:56 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040523.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 05 07:22:46 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...	12.969	4511098	40.770 ug/ml
Spiked Amount 50.000		Recovery =	81.54%
Target Compounds			
1) T n-Nonane (C9)	3.299	242215	1.725 ug/ml
2) T n-Decane (C10)	4.365	278860	2.046 ug/ml
4) T n-Dodecane (C12)	6.384	323166	2.402 ug/ml
6) T n-Tetradecane (C14)	8.177	290793	2.148 ug/ml
7) T n-Hexadecane (C16)	9.778	354060	2.607 ug/ml
8) T n-Octadecane (C18)	11.217	419160	3.026 ug/ml
10) T n-Eicosane (C20)	12.523	417081	3.104 ug/ml
11) T n-Heneicosane (C21)	13.134	389852	2.897 ug/ml
13) T n-Docosane (C22)	13.721	403544	3.026 ug/ml
14) T n-Tetracosane (C24)	14.821	404304	3.007 ug/ml
15) T n-Hexacosane (C26)	15.839	400256	2.990 ug/ml
16) T n-Octacosane (C28)	16.786	404036	2.984 ug/ml
17) T n-Tricontane (C30)	17.672	443794	3.208 ug/ml
18) T n-Dotriacontane (C32)	18.501	510181	3.614 ug/ml
19) T n-Tetratriacontane (C34)	19.282	456191	3.306 ug/ml
20) T n-Hexatriacontane (C36)	20.019	372355	2.913 ug/ml
21) T n-Octatriacontane (C38)	20.742	316453	2.570 ug/ml
22) T n-Tetracontane (C40)	21.636	289650	2.461 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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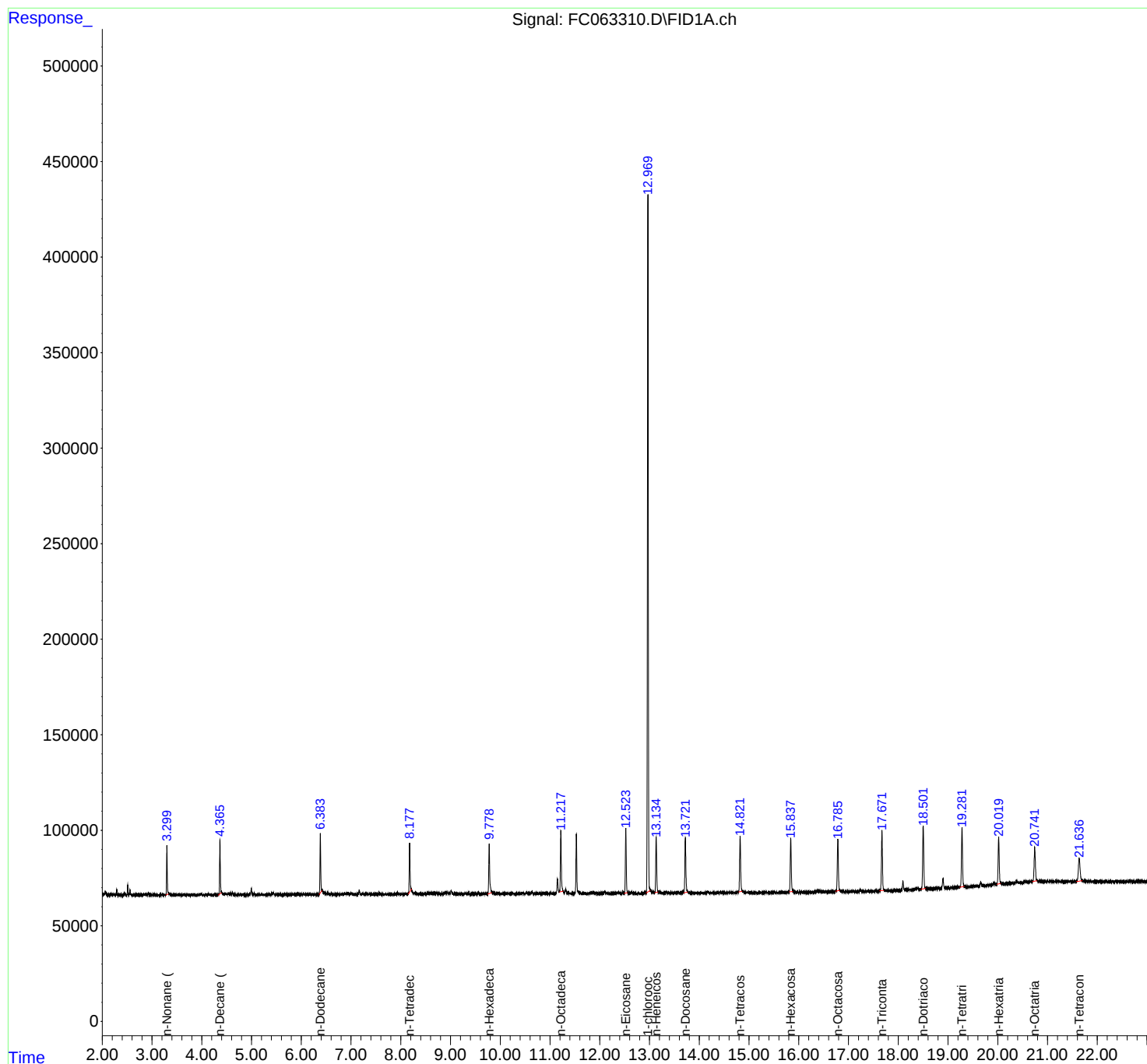
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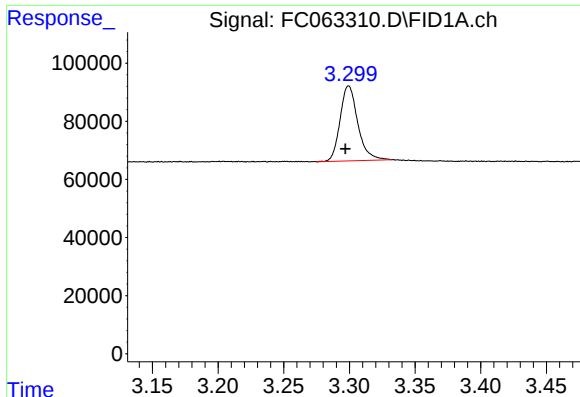
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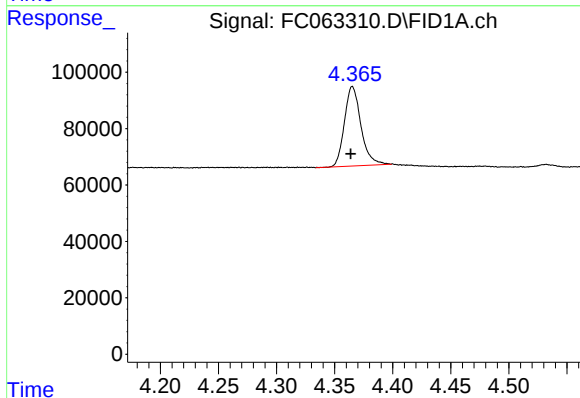
#1 n-Nonane (C9)

R.T.: 3.299 min
Delta R.T.: 0.002 min
Response: 242215
Conc: 1.73 ug/ml

Instrument : FID_C
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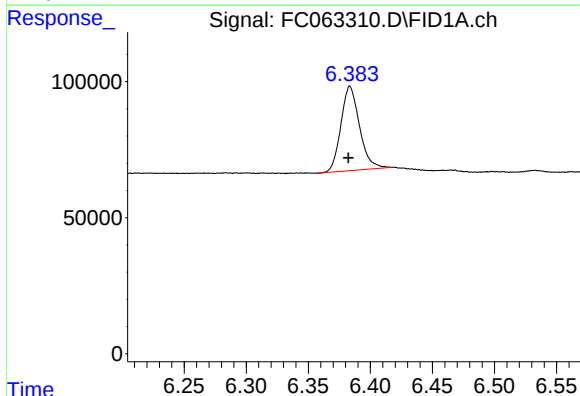
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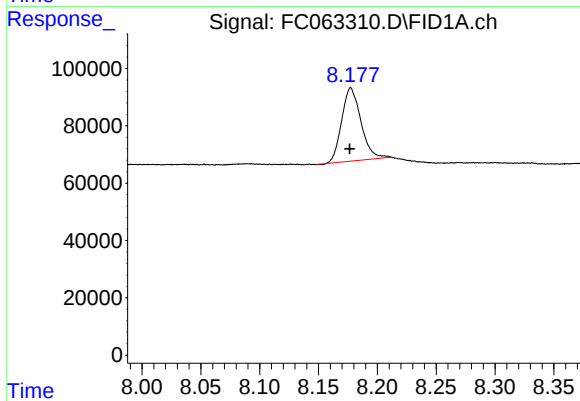
#2 n-Decane (C10)

R.T.: 4.365 min
Delta R.T.: 0.002 min
Response: 278860
Conc: 2.05 ug/ml



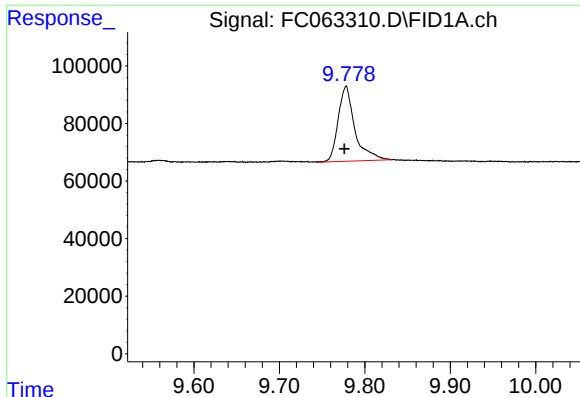
#4 n-Dodecane (C12)

R.T.: 6.384 min
Delta R.T.: 0.001 min
Response: 323166
Conc: 2.40 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.177 min
Delta R.T.: 0.000 min
Response: 290793
Conc: 2.15 ug/ml



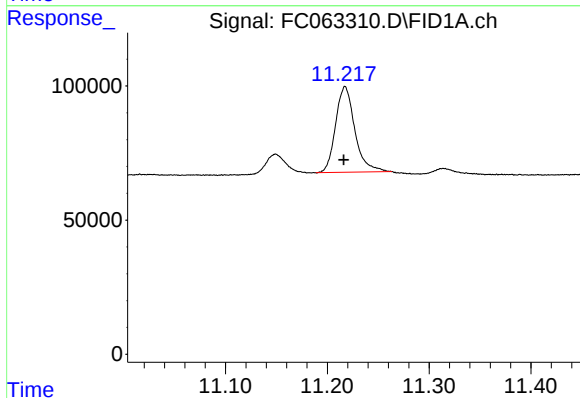
#7 n-Hexadecane (C16)

R.T.: 9.778 min
Delta R.T.: 0.002 min
Response: 354060
Conc: 2.61 ug/ml

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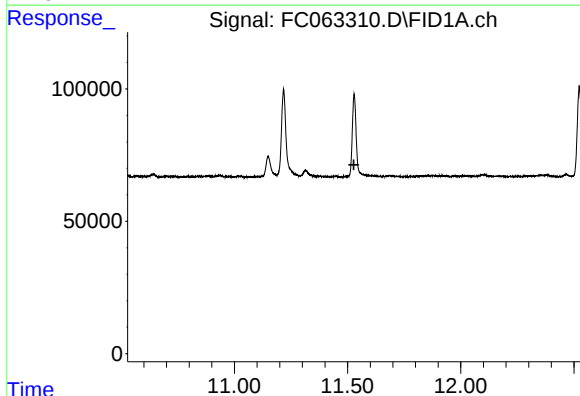
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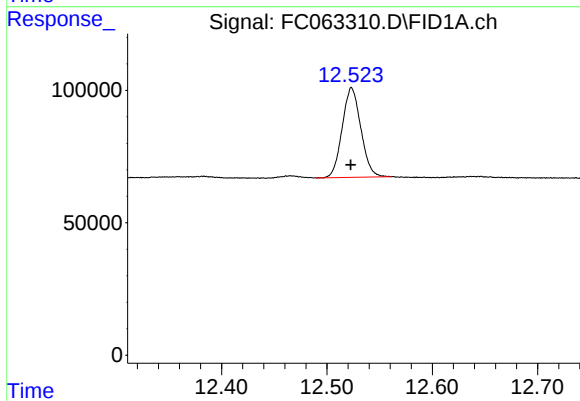
#8 n-Octadecane (C18)

R.T.: 11.217 min
Delta R.T.: 0.001 min
Response: 419160
Conc: 3.03 ug/ml



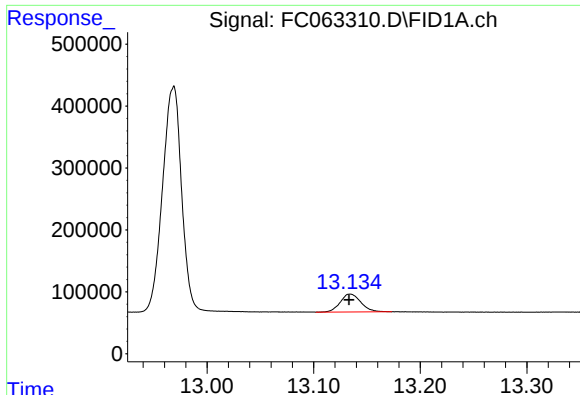
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.528 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.523 min
Delta R.T.: 0.000 min
Response: 417081
Conc: 3.10 ug/ml



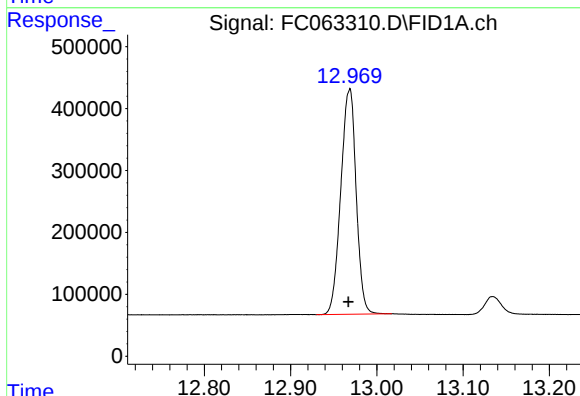
#11 n-Heneicosane (C21)

R.T.: 13.134 min
Delta R.T.: 0.001 min
Response: 389852
Conc: 2.90 ug/ml

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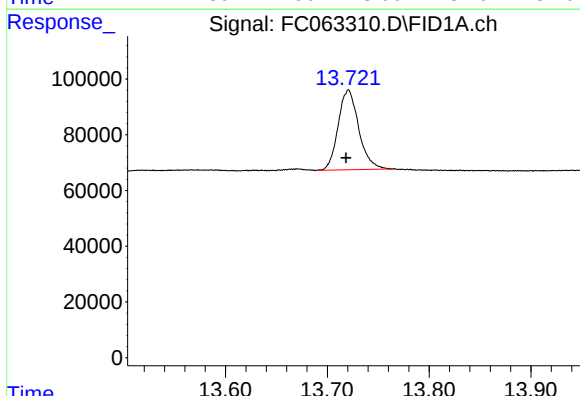
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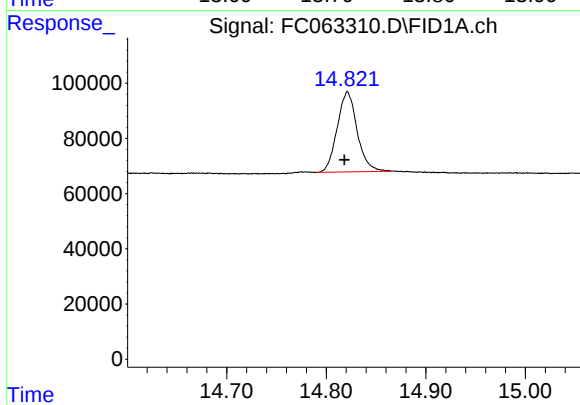
#12 1-chlorooctadecane (SURR)

R.T.: 12.969 min
Delta R.T.: 0.002 min
Response: 4511098
Conc: 40.77 ug/ml



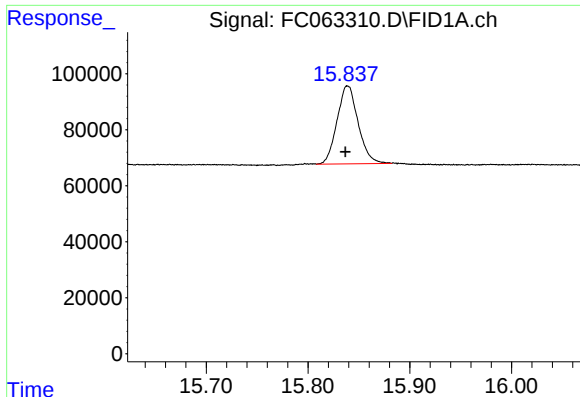
#13 n-Docosane (C22)

R.T.: 13.721 min
Delta R.T.: 0.002 min
Response: 403544
Conc: 3.03 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.821 min
Delta R.T.: 0.003 min
Response: 404304
Conc: 3.01 ug/ml



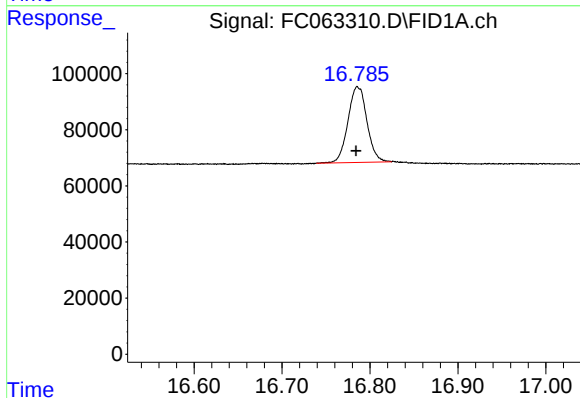
#15 n-Hexacosane (C26)

R.T.: 15.839 min
Delta R.T.: 0.002 min
Response: 400256
Conc: 2.99 ug/ml

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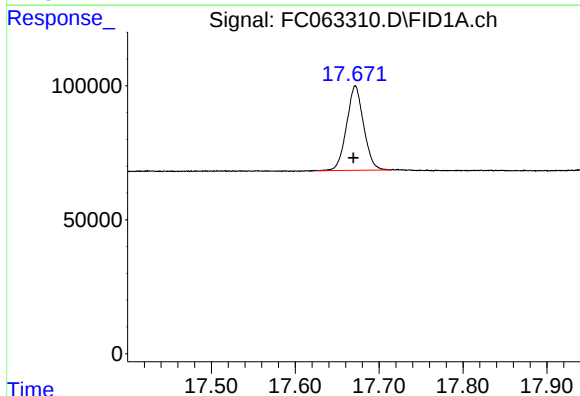
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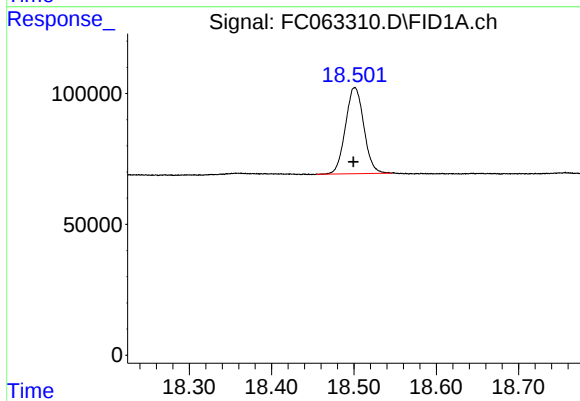
#16 n-Octacosane (C28)

R.T.: 16.786 min
Delta R.T.: 0.001 min
Response: 404036
Conc: 2.98 ug/ml



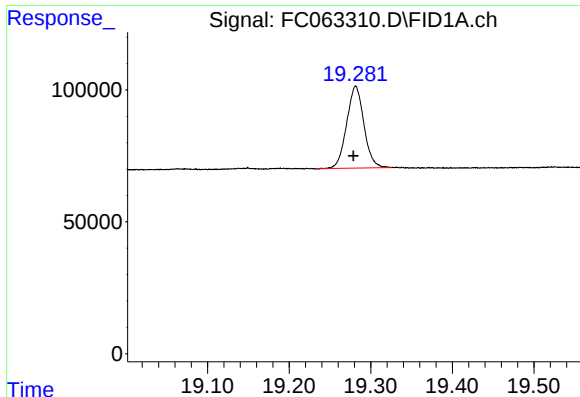
#17 n-Tricontane (C30)

R.T.: 17.672 min
Delta R.T.: 0.002 min
Response: 443794
Conc: 3.21 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.501 min
Delta R.T.: 0.002 min
Response: 510181
Conc: 3.61 ug/ml



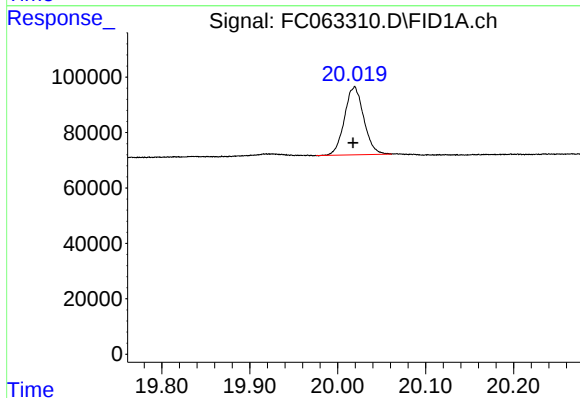
#19 n-Tetratriacontane (C34)

R.T.: 19.282 min
Delta R.T.: 0.003 min
Response: 456191
Conc: 3.31 ug/ml

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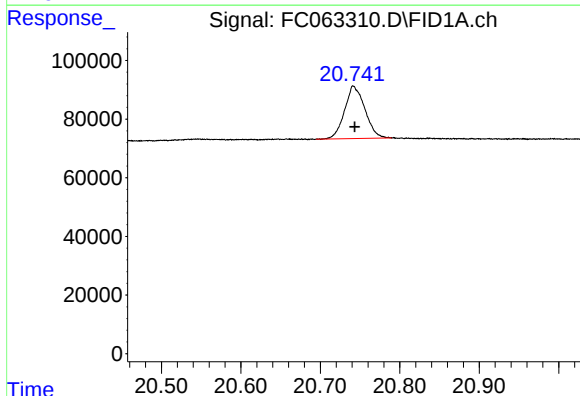
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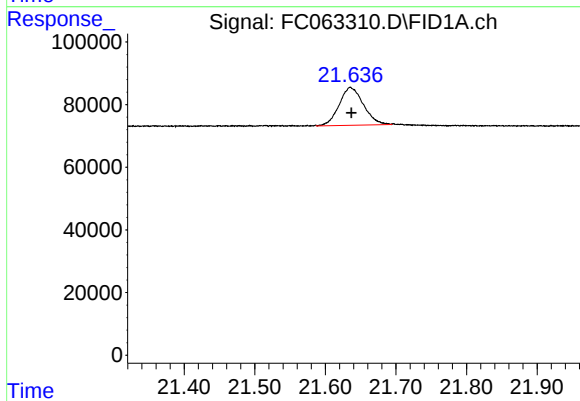
#20 n-Hexatriacontane (C36)

R.T.: 20.019 min
Delta R.T.: 0.002 min
Response: 372355
Conc: 2.91 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.742 min
Delta R.T.: -0.002 min
Response: 316453
Conc: 2.57 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.636 min
Delta R.T.: 0.000 min
Response: 289650
Conc: 2.46 ug/ml m