

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022423AL\
 Data File : FC063023.D
 Signal(s) : FID1A.ch
 Acq On : 24 Feb 2023 14:55
 Operator : YP/AJ
 Sample : 01627-09
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 MDL-WATER-03-QT1-2023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/27/2023
 Supervised By :Ankita Jodhani 02/27/2023

Integration File: autoint1.e
 Quant Time: Feb 25 02:30:03 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...	12.974	3990055	40.904 ug/ml
Spiked Amount 50.000		Recovery =	81.81%
Target Compounds			
1) T n-Nonane (C9)	3.297	154606	1.304 ug/ml
2) T n-Decane (C10)	4.363	184806	1.603 ug/ml
4) T n-Dodecane (C12)	6.381	260676	2.257 ug/ml
6) T n-Tetradecane (C14)	8.177	228489	2.022 ug/ml
7) T n-Hexadecane (C16)	9.778	242778	2.110 ug/ml
8) T n-Octadecane (C18)	11.218	266555	2.289 ug/ml
10) T n-Eicosane (C20)	12.526	274977	2.413 ug/ml
11) T n-Heneicosane (C21)	13.138	240160	2.107 ug/ml
13) T n-Docosane (C22)	13.724	262386	2.326 ug/ml
14) T n-Tetracosane (C24)	14.824	307003	2.740 ug/mlm
15) T n-Hexacosane (C26)	15.844	267211	2.416 ug/mlm
16) T n-Octacosane (C28)	16.793	258911	2.353 ug/ml
17) T n-Tricontane (C30)	17.680	338654	3.075 ug/ml
18) T n-Dotriacontane (C32)	18.510	381890	3.422 ug/ml
19) T n-Tetratriacontane (C34)	19.290	343017	3.069 ug/ml
20) T n-Hexatriacontane (C36)	20.030	290132	2.673 ug/ml
21) T n-Octatriacontane (C38)	20.758	277117	2.550 ug/ml
22) T n-Tetracontane (C40)	21.655	280508	2.578 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Misc :
ALS Vial : 27 Sample Multiplier: 1

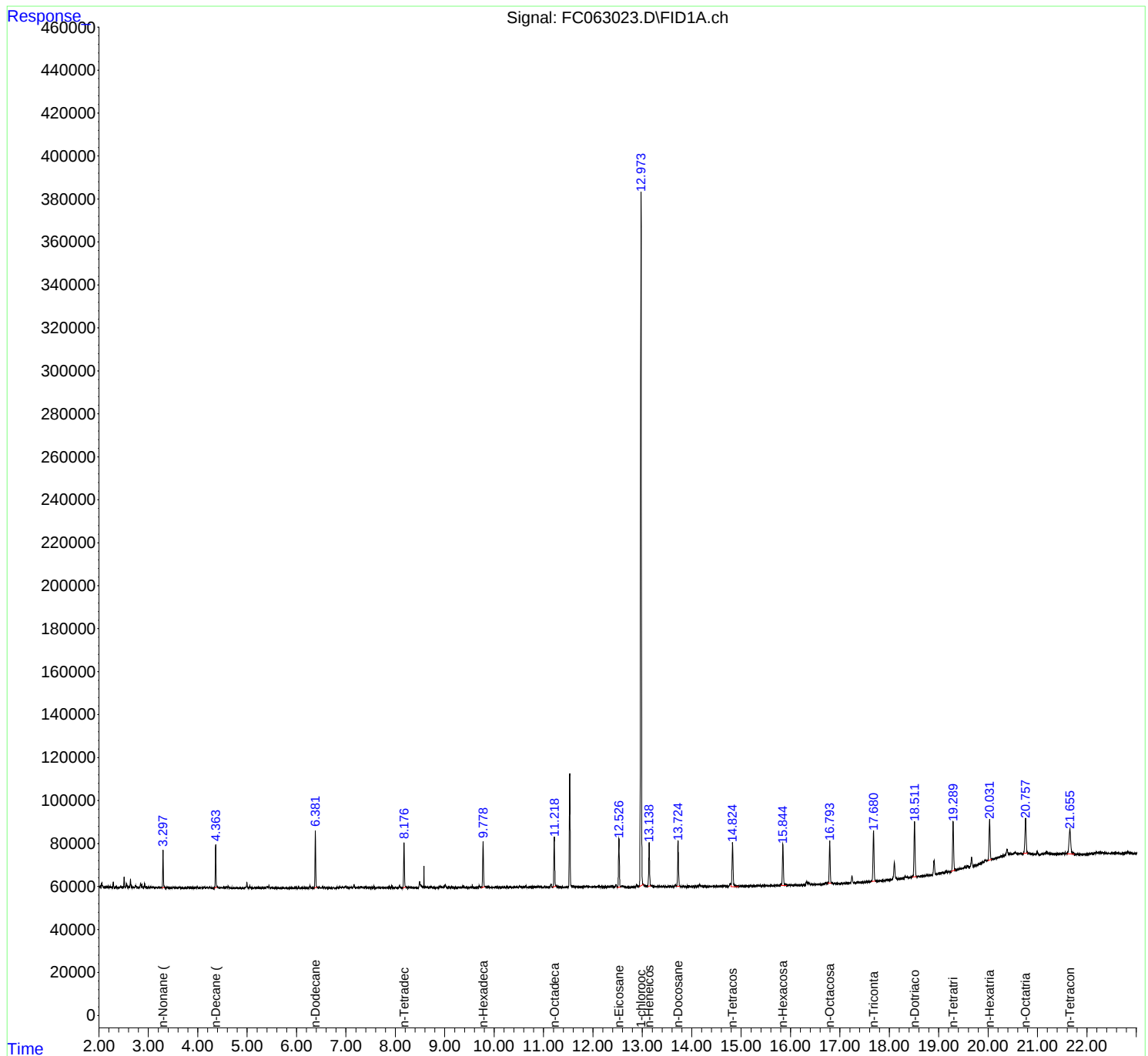
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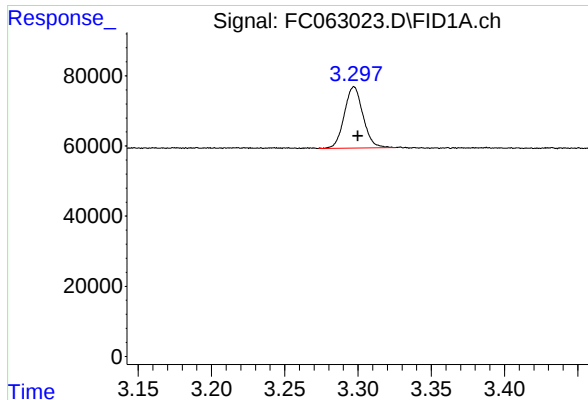
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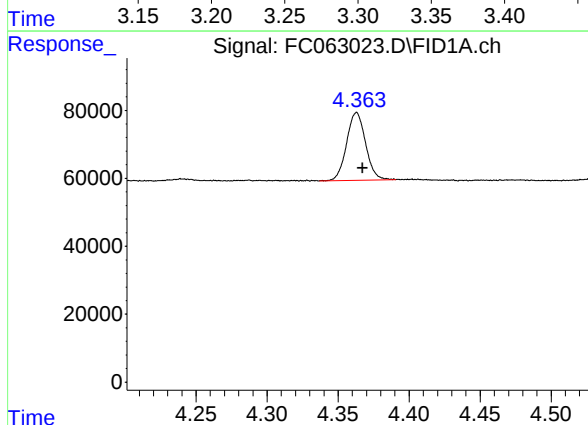
#1 n-Nonane (C9)

R.T.: 3.297 min
Delta R.T.: -0.003 min
Response: 154606
Conc: 1.30 ug/ml

Instrument : FID_C
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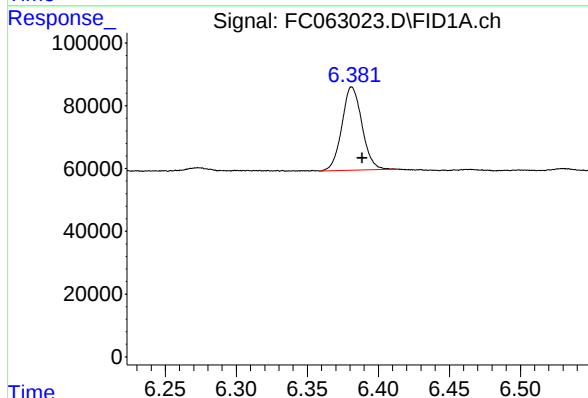
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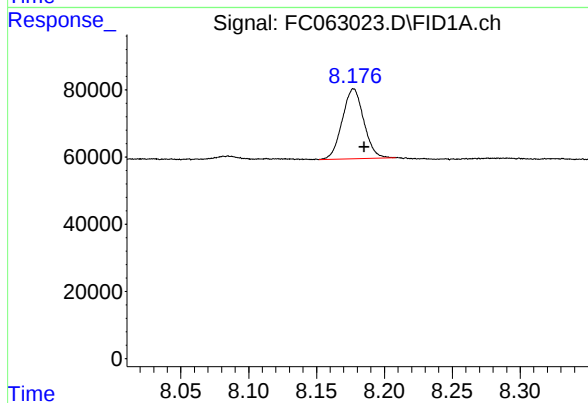
#2 n-Decane (C10)

R.T.: 4.363 min
Delta R.T.: -0.004 min
Response: 184806
Conc: 1.60 ug/ml



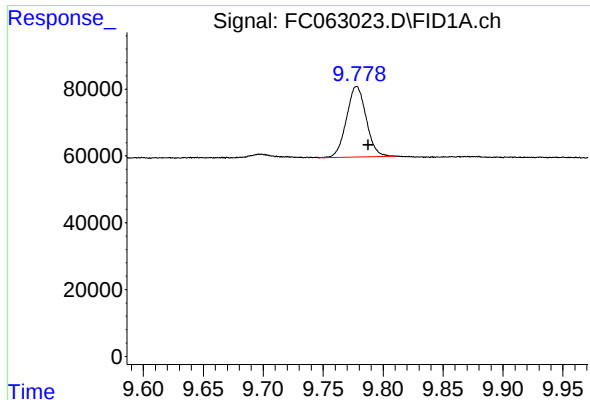
#4 n-Dodecane (C12)

R.T.: 6.381 min
Delta R.T.: -0.007 min
Response: 260676
Conc: 2.26 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.177 min
Delta R.T.: -0.008 min
Response: 228489
Conc: 2.02 ug/ml



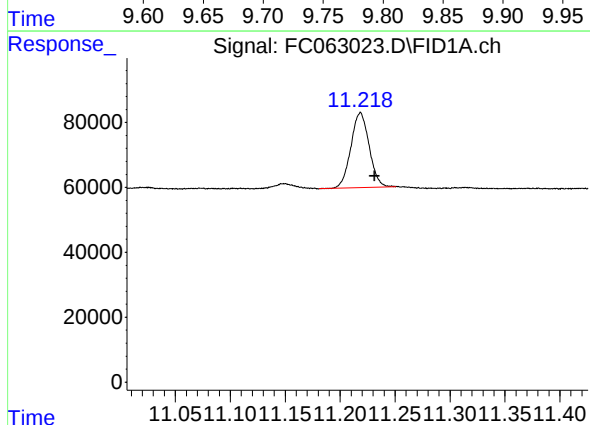
#7 n-Hexadecane (C16)

R.T.: 9.778 min
Delta R.T.: -0.010 min
Response: 242778
Conc: 2.11 ug/ml

Instrument :
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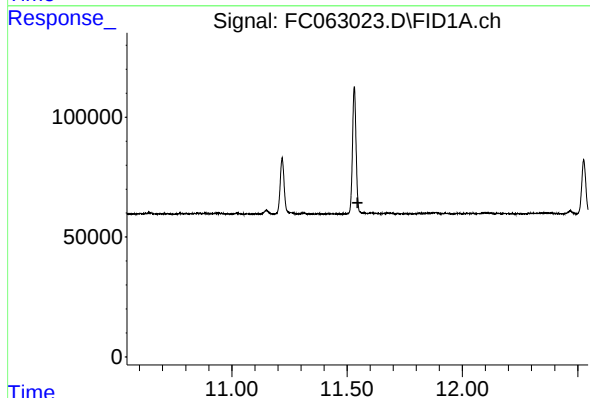
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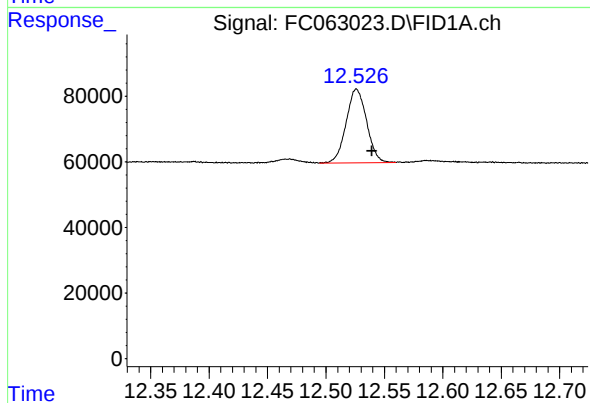
#8 n-Octadecane (C18)

R.T.: 11.218 min
Delta R.T.: -0.013 min
Response: 266555
Conc: 2.29 ug/ml



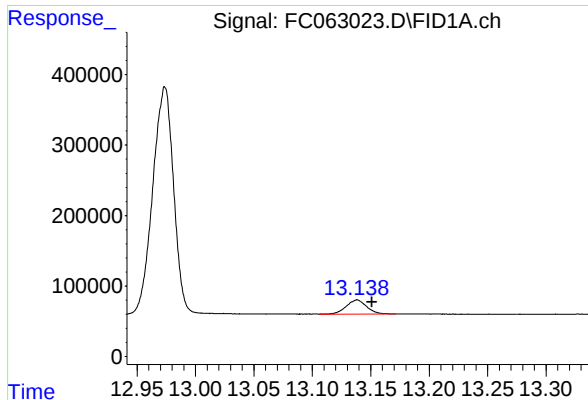
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

R.T.: 12.526 min
Delta R.T.: -0.013 min
Response: 274977
Conc: 2.41 ug/ml



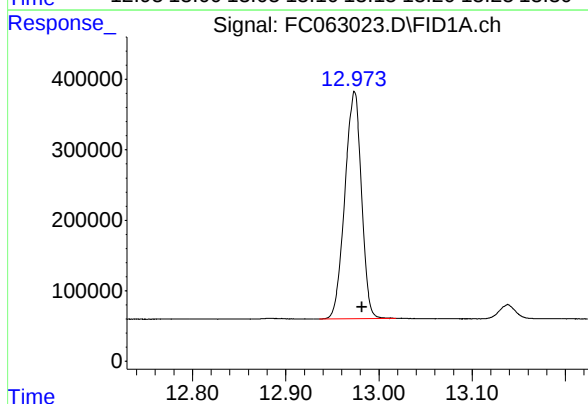
#11 n-Heneicosane (C21)

R.T.: 13.138 min
Delta R.T.: -0.013 min
Response: 240160
Conc: 2.11 ug/ml

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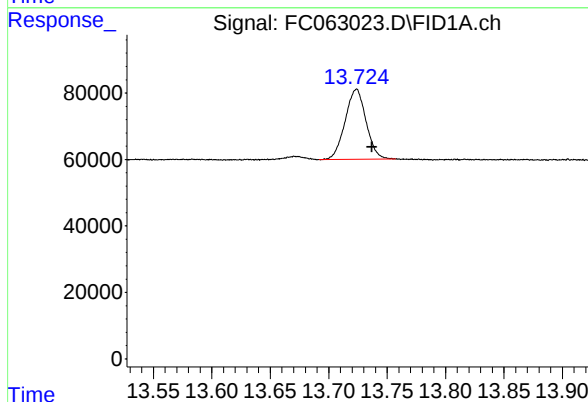
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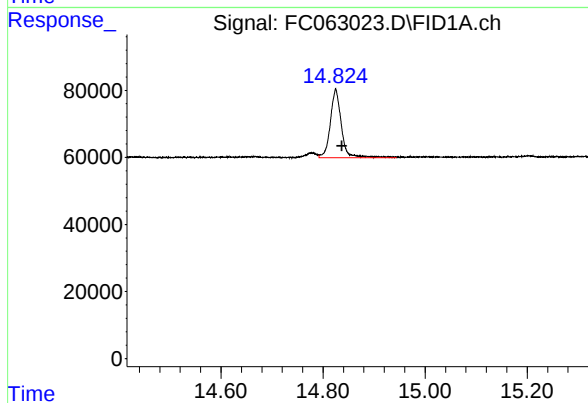
#12 1-chlorooctadecane (SURR)

R.T.: 12.974 min
Delta R.T.: -0.008 min
Response: 3990055
Conc: 40.90 ug/ml



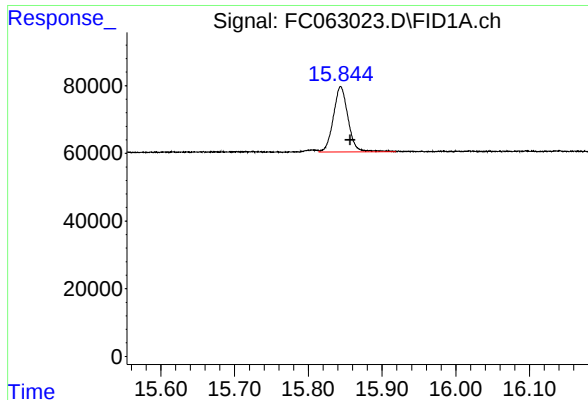
#13 n-Docosane (C22)

R.T.: 13.724 min
Delta R.T.: -0.013 min
Response: 262386
Conc: 2.33 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.824 min
Delta R.T.: -0.013 min
Response: 307003
Conc: 2.74 ug/ml m



#15 n-Hexacosane (C26)

R.T.: 15.844 min
Delta R.T.: -0.013 min
Response: 267211
Conc: 2.42 ug/ml

Instrument :

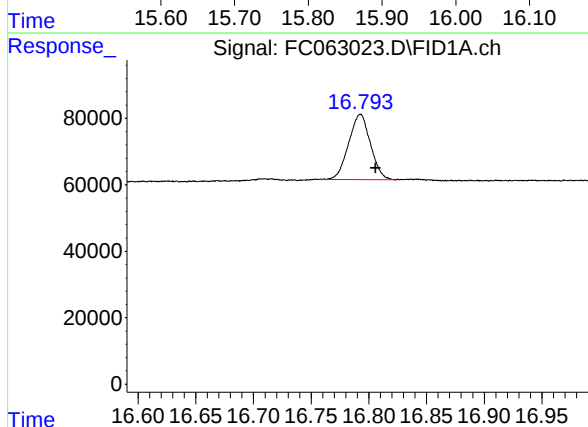
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ClientSampleId :

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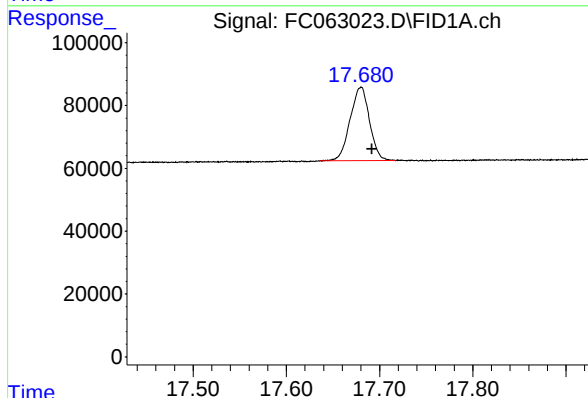
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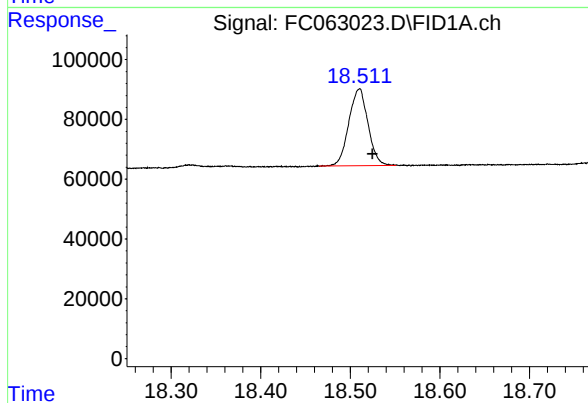
#16 n-Octacosane (C28)

R.T.: 16.793 min
Delta R.T.: -0.013 min
Response: 258911
Conc: 2.35 ug/ml



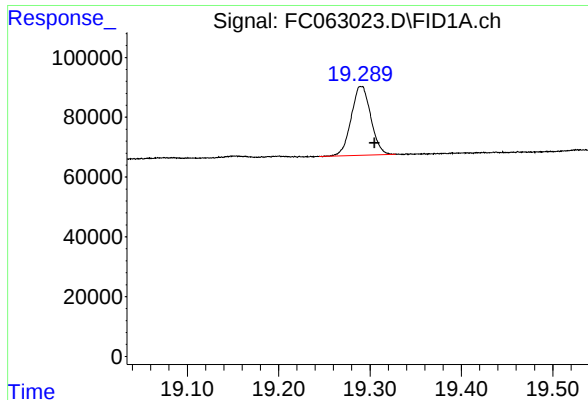
#17 n-Tricontane (C30)

R.T.: 17.680 min
Delta R.T.: -0.012 min
Response: 338654
Conc: 3.08 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.510 min
Delta R.T.: -0.015 min
Response: 381890
Conc: 3.42 ug/ml



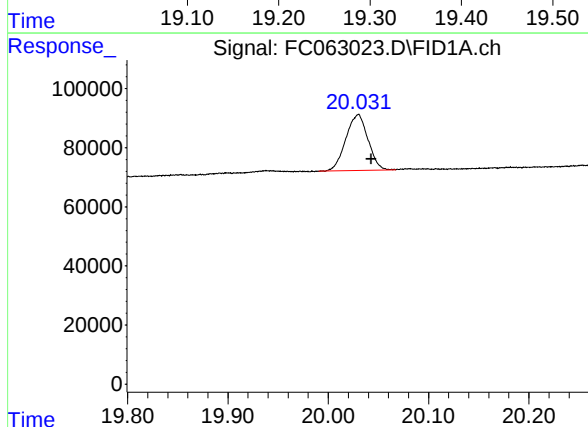
#19 n-Tetratriacontane (C34)

R.T.: 19.290 min
Delta R.T.: -0.015 min
Response: 343017
Conc: 3.07 ug/ml

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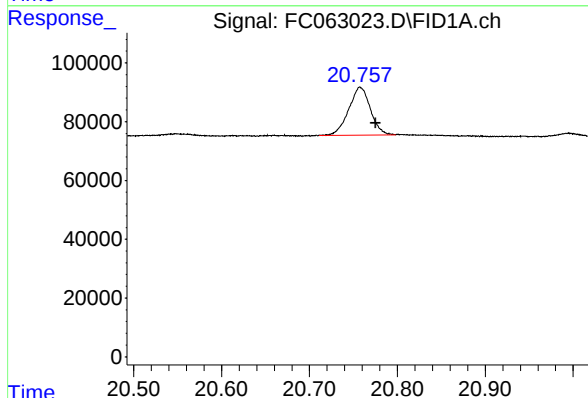
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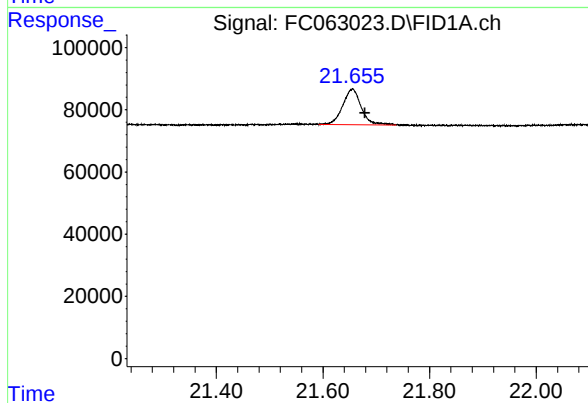
#20 n-Hexatriacontane (C36)

R.T.: 20.030 min
Delta R.T.: -0.013 min
Response: 290132
Conc: 2.67 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.758 min
Delta R.T.: -0.018 min
Response: 277117
Conc: 2.55 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.655 min
Delta R.T.: -0.024 min
Response: 280508
Conc: 2.58 ug/ml m