

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022423AL\
 Data File : FC063002.D
 Signal(s) : FID1A.ch
 Acq On : 23 Feb 2023 18:41
 Operator : YP/AJ
 Sample : 01627-08
 Misc : 5 PPM WATER LOQ
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 LOQ-WATER-02-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 05:30:28 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	5329898	54.639 ug/ml
Spiked Amount 50.000		Recovery =	109.28%
Target Compounds			
1) T n-Nonane (C9)	3.297	349115	2.945 ug/ml
2) T n-Decane (C10)	4.363	425706	3.692 ug/ml
4) T n-Dodecane (C12)	6.383	537366	4.654 ug/ml
6) T n-Tetradecane (C14)	8.179	494309	4.374 ug/ml
7) T n-Hexadecane (C16)	9.780	524999	4.564 ug/ml
8) T n-Octadecane (C18)	11.221	578990	4.971 ug/ml
10) T n-Eicosane (C20)	12.528	601508	5.279 ug/ml
11) T n-Heneicosane (C21)	13.142	566528	4.971 ug/ml
13) T n-Docosane (C22)	13.727	596188	5.286 ug/ml
14) T n-Tetracosane (C24)	14.829	622784	5.557 ug/mlm
15) T n-Hexacosane (C26)	15.848	577737	5.224 ug/ml
16) T n-Octacosane (C28)	16.796	569740	5.178 ug/ml
17) T n-Tricontane (C30)	17.683	583803	5.301 ug/ml
18) T n-Dotriacontane (C32)	18.514	601391	5.389 ug/ml
19) T n-Tetratriacontane (C34)	19.294	596268	5.335 ug/ml
20) T n-Hexatriacontane (C36)	20.034	573958	5.287 ug/ml
21) T n-Octatriacontane (C38)	20.763	570275	5.248 ug/ml
22) T n-Tetracontane (C40)	21.660	570450	5.243 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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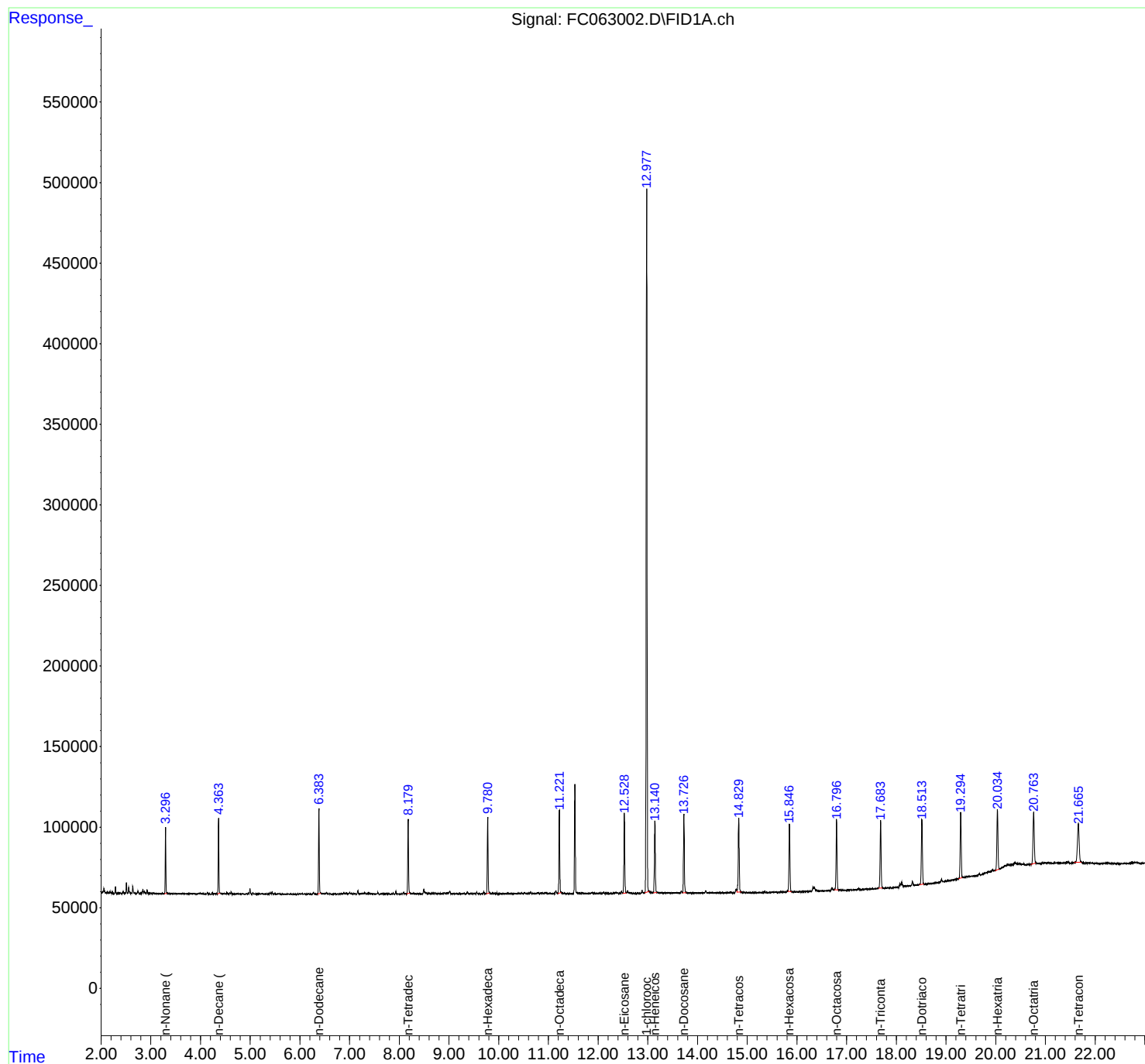
Instrument :
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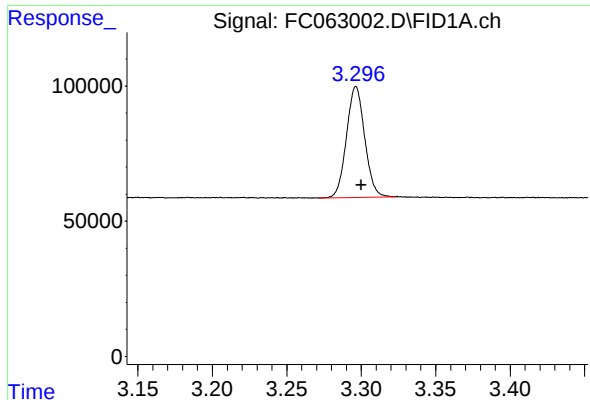
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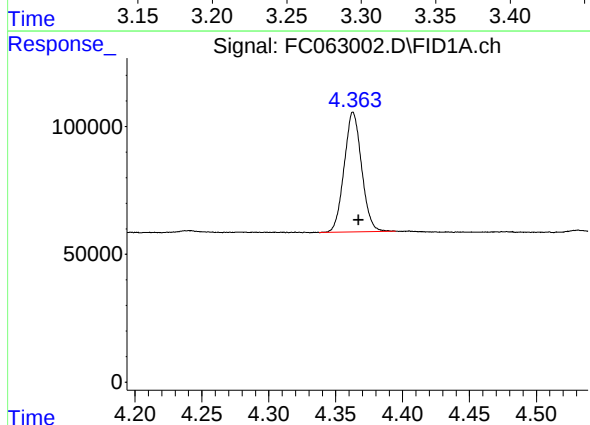
#1 n-Nonane (C9)

R.T.: 3.297 min
Delta R.T.: -0.003 min
Response: 349115
Conc: 2.94 ug/ml

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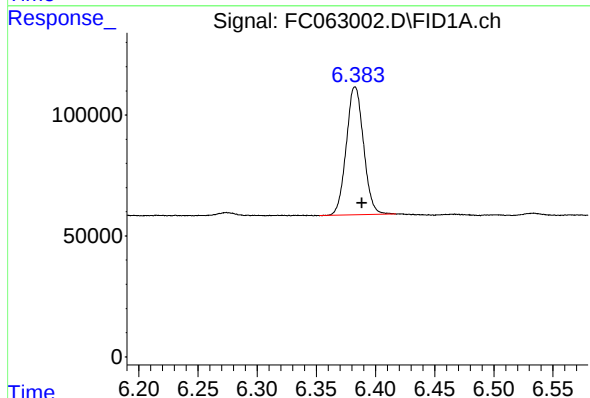
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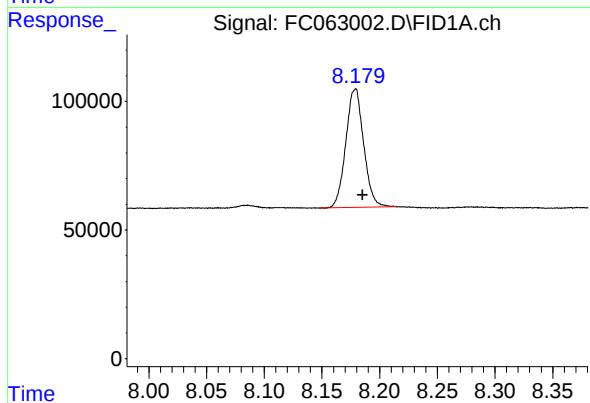
#2 n-Decane (C10)

R.T.: 4.363 min
Delta R.T.: -0.004 min
Response: 425706
Conc: 3.69 ug/ml



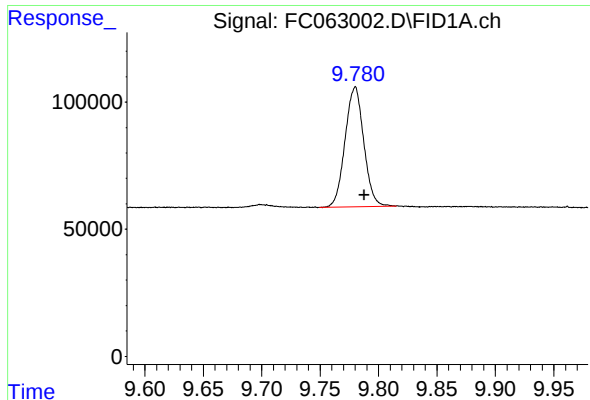
#4 n-Dodecane (C12)

R.T.: 6.383 min
Delta R.T.: -0.006 min
Response: 537366
Conc: 4.65 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.179 min
Delta R.T.: -0.006 min
Response: 494309
Conc: 4.37 ug/ml



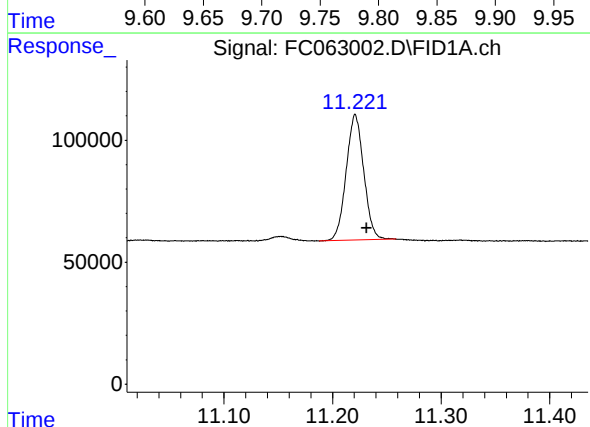
#7 n-Hexadecane (C16)

R.T.: 9.780 min
Delta R.T.: -0.008 min
Response: 524999
Conc: 4.56 ug/ml

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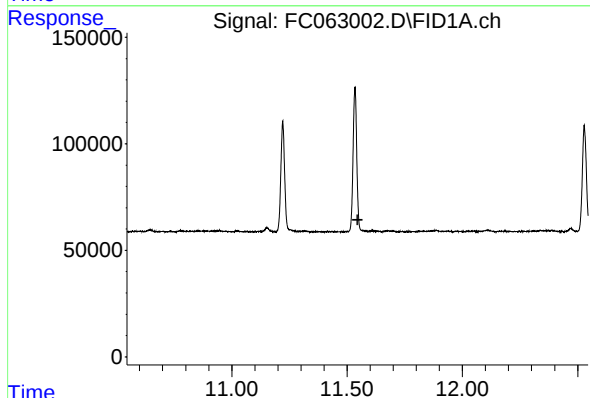
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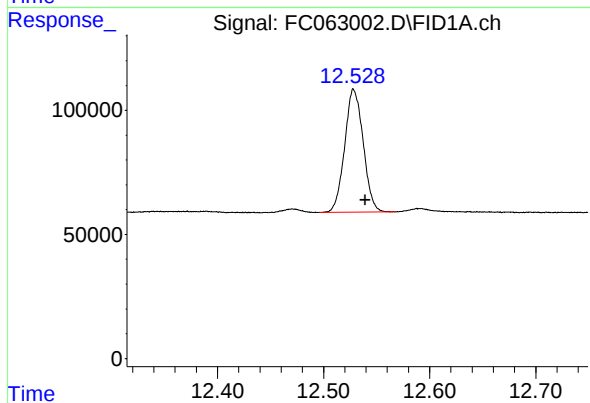
#8 n-Octadecane (C18)

R.T.: 11.221 min
Delta R.T.: -0.010 min
Response: 578990
Conc: 4.97 ug/ml



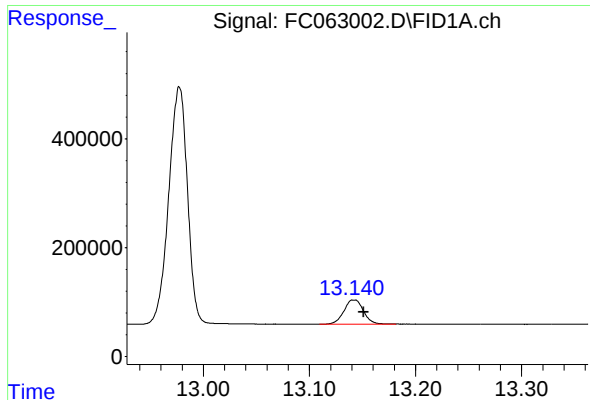
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

R.T.: 12.528 min
Delta R.T.: -0.011 min
Response: 601508
Conc: 5.28 ug/ml



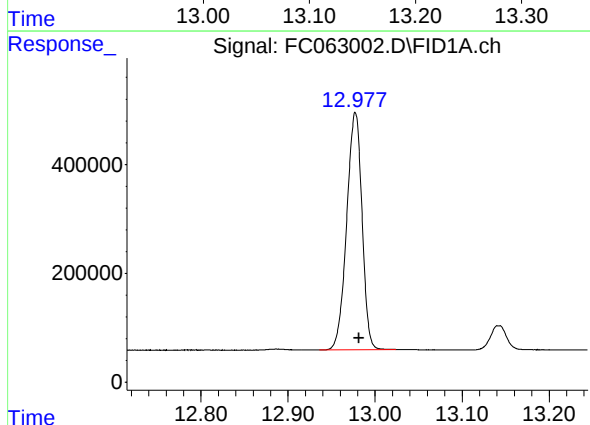
#11 n-Heneicosane (C21)

R.T.: 13.142 min
Delta R.T.: -0.009 min
Response: 566528
Conc: 4.97 ug/ml

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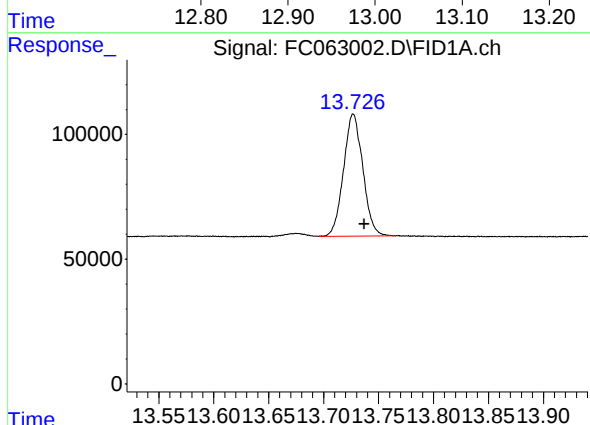
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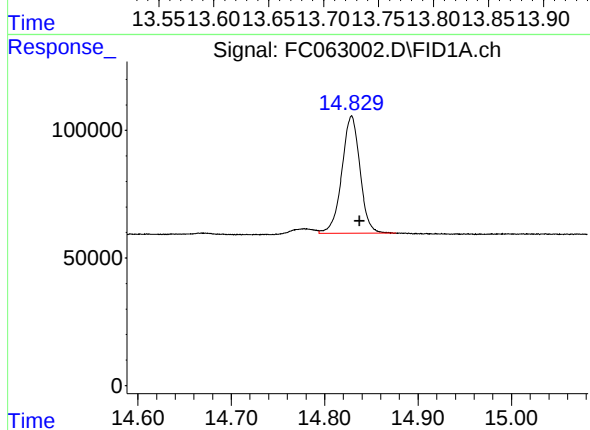
#12 1-chlorooctadecane (SURR)

R.T.: 12.977 min
Delta R.T.: -0.004 min
Response: 5329898
Conc: 54.64 ug/ml



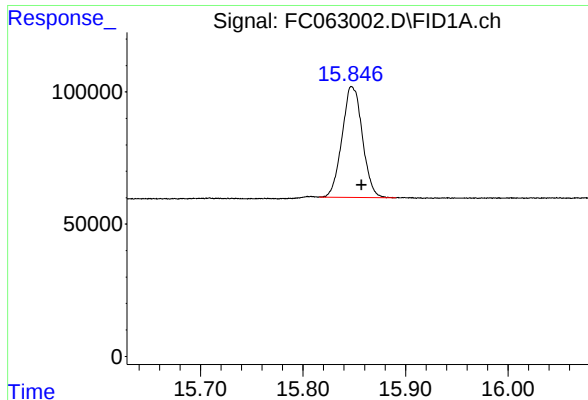
#13 n-Docosane (C22)

R.T.: 13.727 min
Delta R.T.: -0.010 min
Response: 596188
Conc: 5.29 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.829 min
Delta R.T.: -0.009 min
Response: 622784
Conc: 5.56 ug/ml m



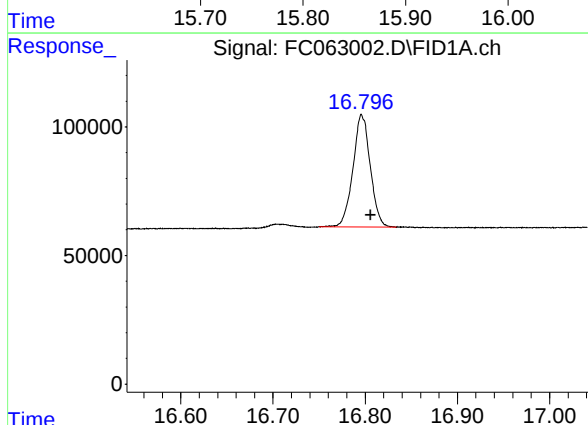
#15 n-Hexacosane (C26)

R.T.: 15.848 min
Delta R.T.: -0.010 min
Response: 577737
Conc: 5.22 ug/ml

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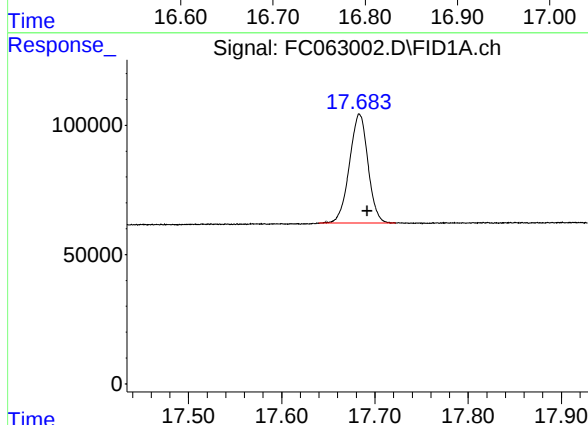
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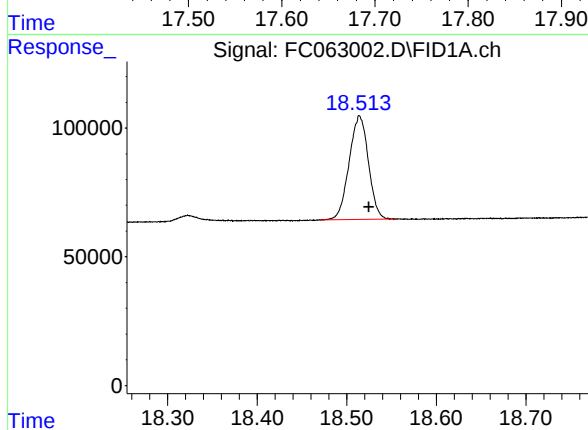
#16 n-Octacosane (C28)

R.T.: 16.796 min
Delta R.T.: -0.010 min
Response: 569740
Conc: 5.18 ug/ml



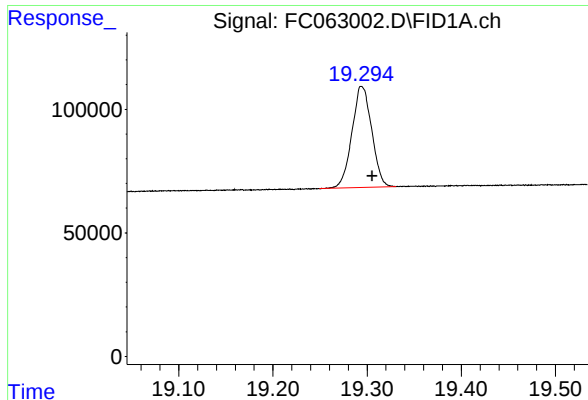
#17 n-Tricontane (C30)

R.T.: 17.683 min
Delta R.T.: -0.008 min
Response: 583803
Conc: 5.30 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.514 min
Delta R.T.: -0.011 min
Response: 601391
Conc: 5.39 ug/ml



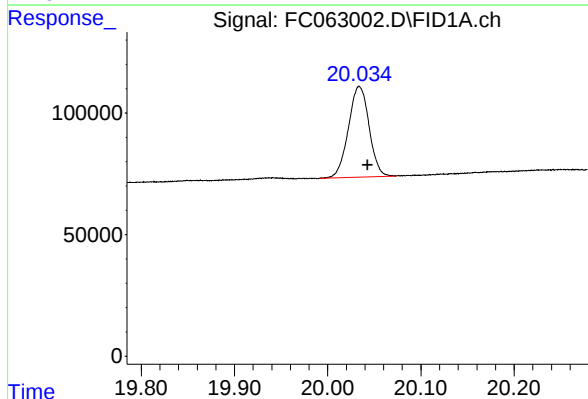
#19 n-Tetratriacontane (C34)

R.T.: 19.294 min
Delta R.T.: -0.011 min
Response: 596268
Conc: 5.34 ug/ml

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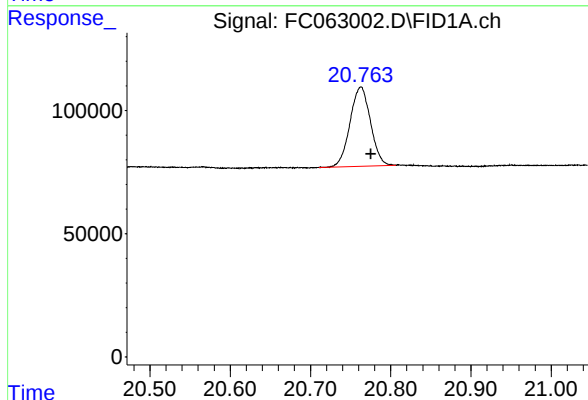
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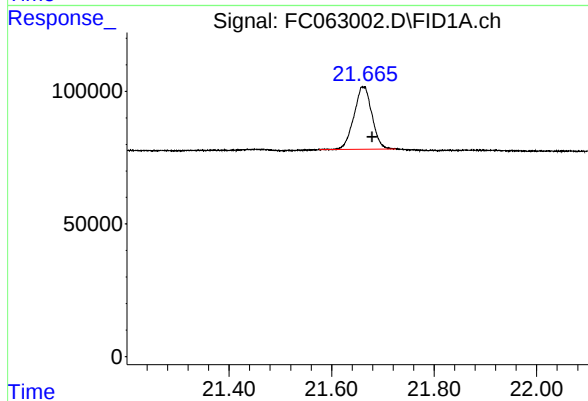
#20 n-Hexatriacontane (C36)

R.T.: 20.034 min
Delta R.T.: -0.009 min
Response: 573958
Conc: 5.29 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.763 min
Delta R.T.: -0.012 min
Response: 570275
Conc: 5.25 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.660 min
Delta R.T.: -0.019 min
Response: 570450
Conc: 5.24 ug/ml