

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081022AL\
 Data File : FC061044.D
 Signal(s) : FID1A.ch
 Acq On : 10 Aug 2022 14:41
 Operator : YP/AJ
 Sample : N3980-08
 Misc : 5 PPM WATER LOQ
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 LOQ-WATER-02-QT3-2022

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/10/2022
 Supervised By :Ankita Jodhani 08/11/2022

Integration File: autoint1.e
 Quant Time: Aug 10 15:34:06 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 072522.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 25 19:40:54 2022
 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...	11.997	4027100	30.335 ug/ml
Spiked Amount 50.000		Recovery =	60.67%
Target Compounds			
1) T n-Nonane (C9)	2.646	327139	2.323 ug/mlm
2) T n-Decane (C10)	3.640	381121	2.702 ug/ml
4) T n-Dodecane (C12)	5.580	516893	3.487 ug/ml
6) T n-Tetradecane (C14)	7.324	527134	3.511 ug/ml
7) T n-Hexadecane (C16)	8.882	531055	3.470 ug/ml
8) T n-Octadecane (C18)	10.285	570865	3.656 ug/ml
10) T n-Eicosane (C20)	11.561	588390	3.749 ug/ml
11) T n-Heneicosane (C21)	12.158	631824	4.038 ug/ml
13) T n-Docosane (C22)	12.730	620755	3.981 ug/ml
14) T n-Tetracosane (C24)	13.804	608409	3.985 ug/ml
15) T n-Hexacosane (C26)	14.799	567356	3.801 ug/ml
16) T n-Octacosane (C28)	15.725	542153	3.784 ug/ml
17) T n-Tricontane (C30)	16.589	508407	3.631 ug/ml
18) T n-Dotriacontane (C32)	17.401	522629	3.872 ug/ml
19) T n-Tetratriacontane (C34)	18.163	494512	3.943 ug/ml
20) T n-Hexatriacontane (C36)	18.884	487578	3.989 ug/ml
21) T n-Octatriacontane (C38)	19.565	461123	3.907 ug/ml
22) T n-Tetracontane (C40)	20.211	498557	4.332 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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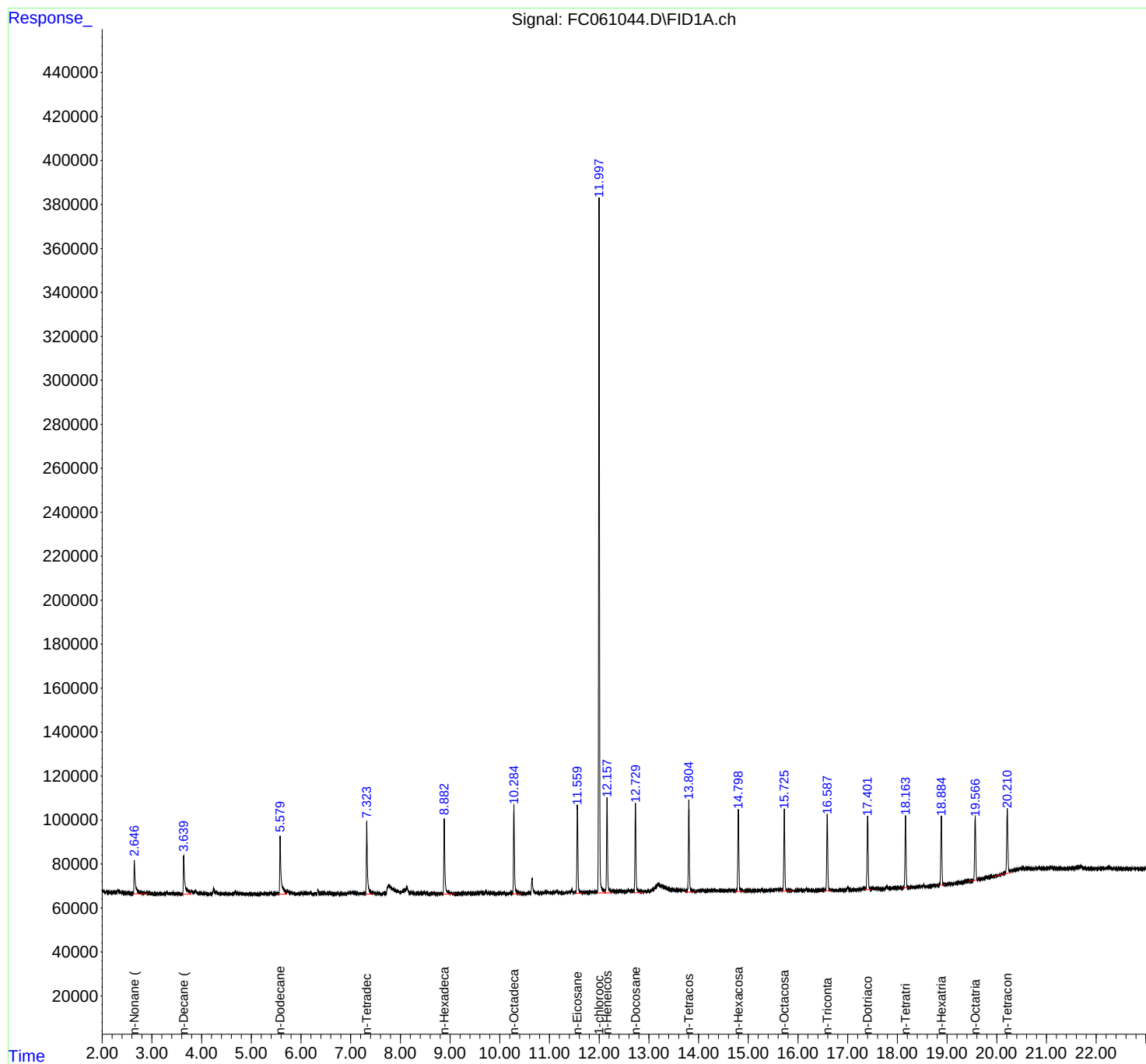
Instrument :
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LOQ-WATER-02-QT3-2022

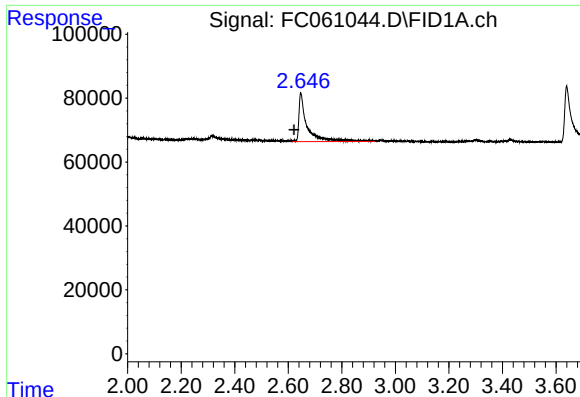
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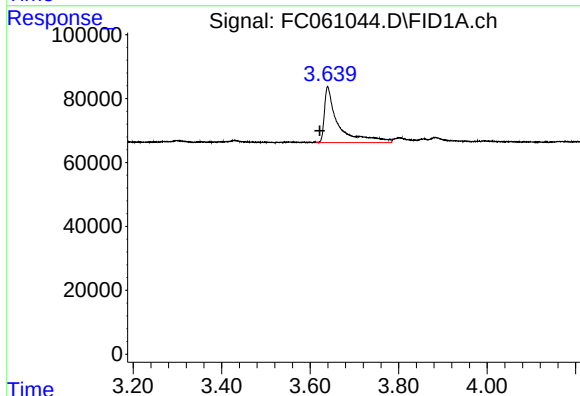
#1 n-Nonane (C9)

R.T.: 2.646 min
Delta R.T.: 0.024 min
Response: 327139
Conc: 2.32 ug/ml

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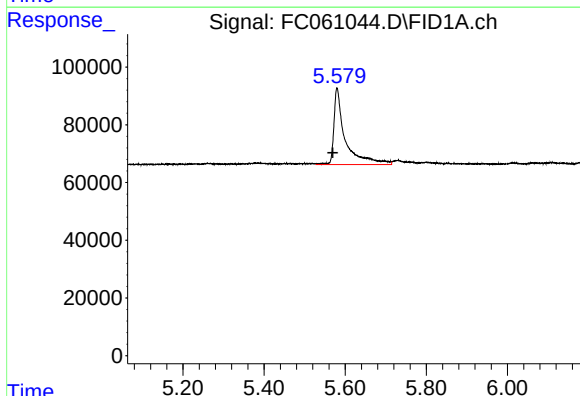
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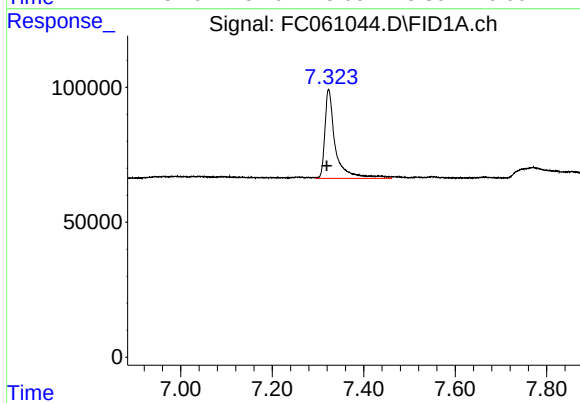
#2 n-Decane (C10)

R.T.: 3.640 min
Delta R.T.: 0.019 min
Response: 381121
Conc: 2.70 ug/ml



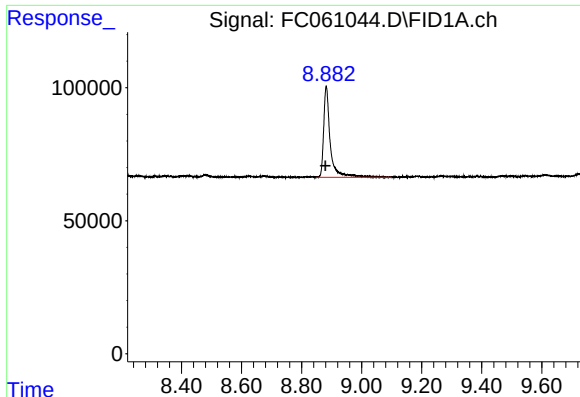
#4 n-Dodecane (C12)

R.T.: 5.580 min
Delta R.T.: 0.011 min
Response: 516893
Conc: 3.49 ug/ml



#6 n-Tetradecane (C14)

R.T.: 7.324 min
Delta R.T.: 0.005 min
Response: 527134
Conc: 3.51 ug/ml



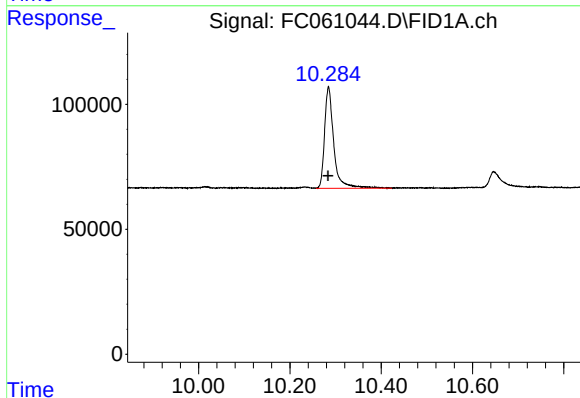
#7 n-Hexadecane (C16)

R.T.: 8.882 min
Delta R.T.: 0.004 min
Response: 531055
Conc: 3.47 ug/ml

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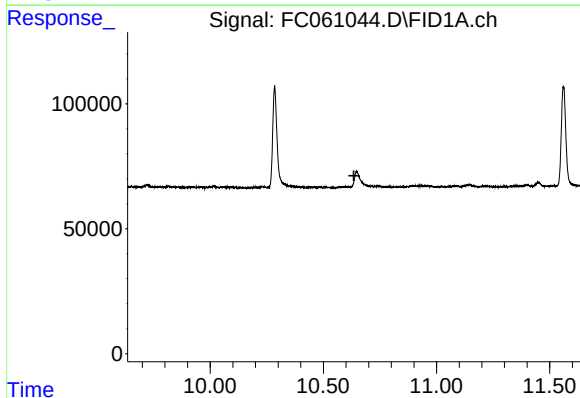
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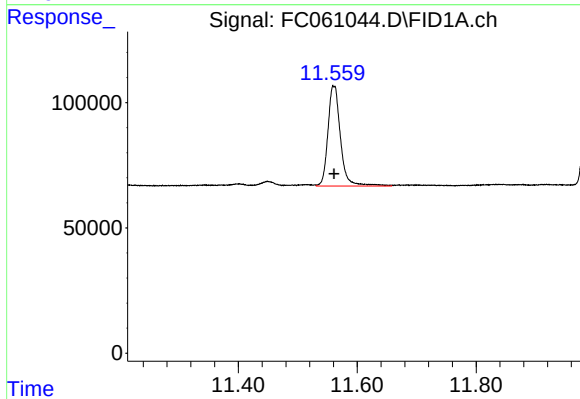
#8 n-Octadecane (C18)

R.T.: 10.285 min
Delta R.T.: 0.000 min
Response: 570865
Conc: 3.66 ug/ml



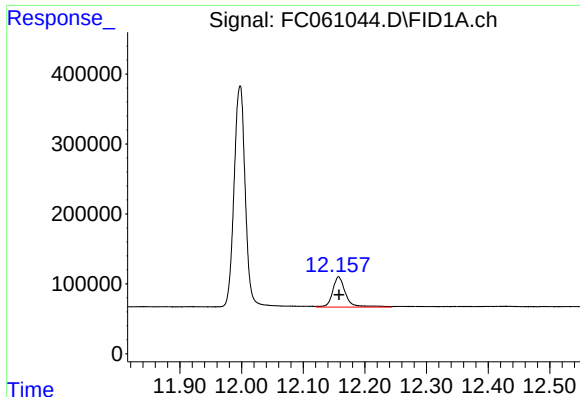
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 10.635 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 11.561 min
Delta R.T.: 0.000 min
Response: 588390
Conc: 3.75 ug/ml



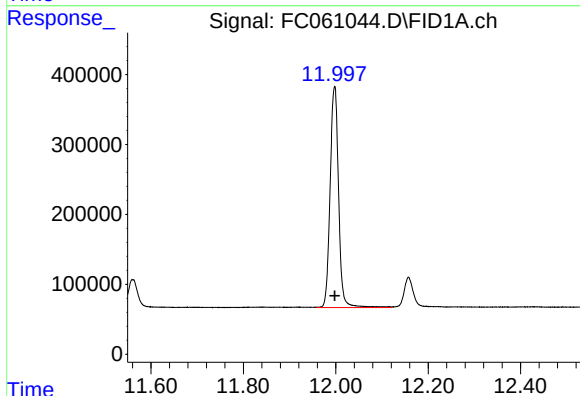
#11 n-Heneicosane (C21)

R.T.: 12.158 min
Delta R.T.: 0.000 min
Response: 631824
Conc: 4.04 ug/ml

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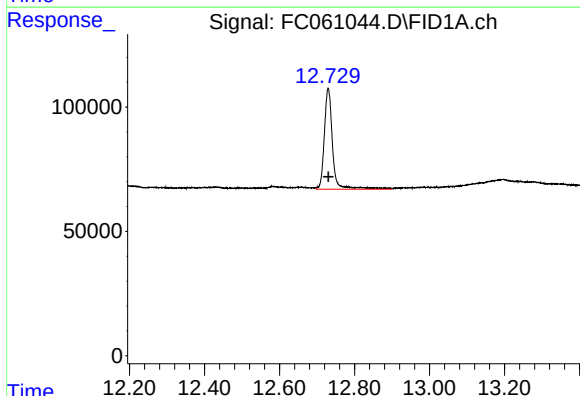
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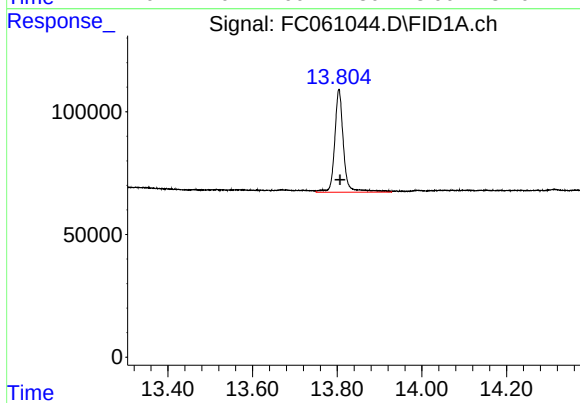
#12 1-chlorooctadecane (SURR)

R.T.: 11.997 min
Delta R.T.: 0.000 min
Response: 4027100
Conc: 30.33 ug/ml



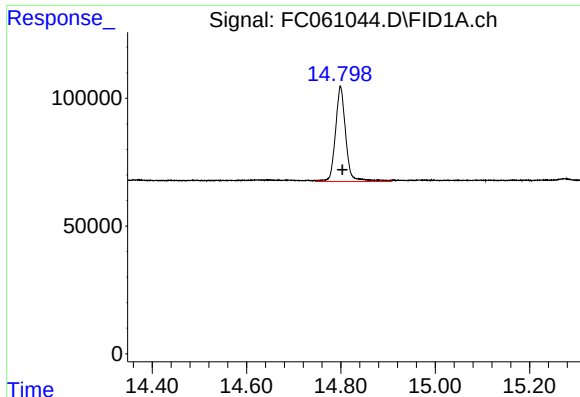
#13 n-Docosane (C22)

R.T.: 12.730 min
Delta R.T.: 0.000 min
Response: 620755
Conc: 3.98 ug/ml



#14 n-Tetracosane (C24)

R.T.: 13.804 min
Delta R.T.: -0.002 min
Response: 608409
Conc: 3.99 ug/ml



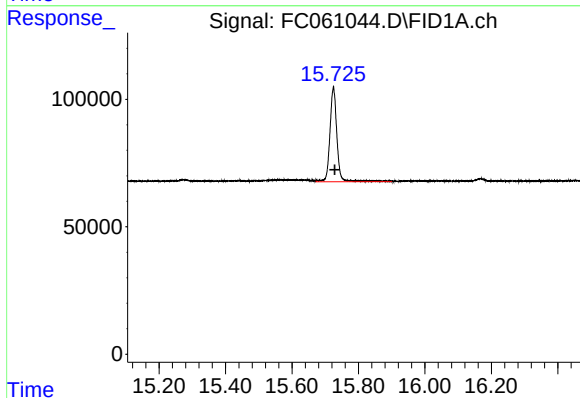
#15 n-Hexacosane (C26)

R.T.: 14.799 min
Delta R.T.: -0.004 min
Response: 567356
Conc: 3.80 ug/ml

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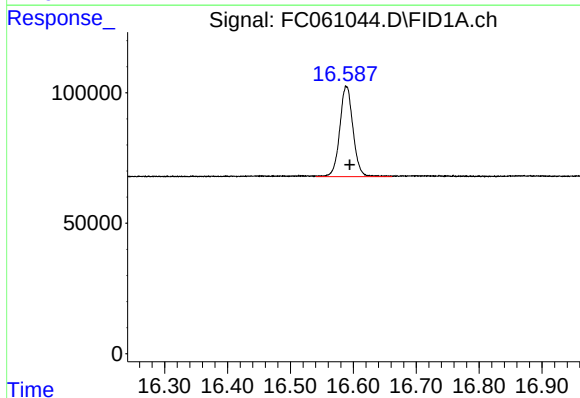
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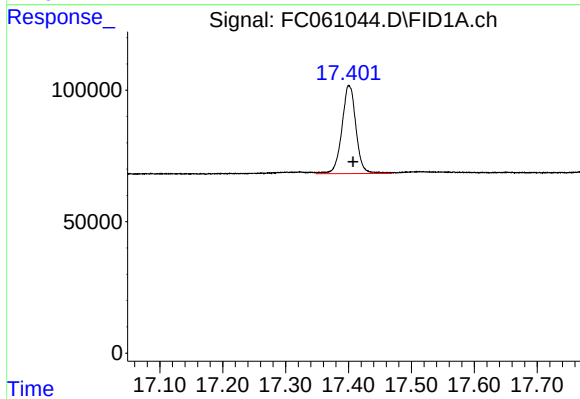
#16 n-Octacosane (C28)

R.T.: 15.725 min
Delta R.T.: -0.004 min
Response: 542153
Conc: 3.78 ug/ml



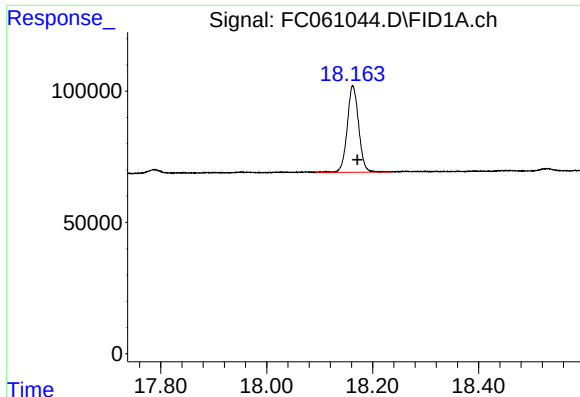
#17 n-Tricontane (C30)

R.T.: 16.589 min
Delta R.T.: -0.005 min
Response: 508407
Conc: 3.63 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 17.401 min
Delta R.T.: -0.006 min
Response: 522629
Conc: 3.87 ug/ml



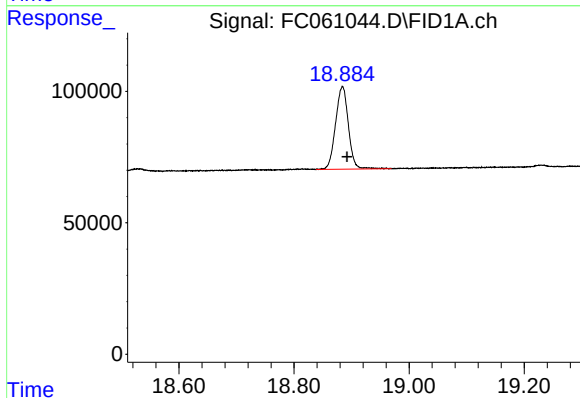
#19 n-Tetratriacontane (C34)

R.T.: 18.163 min
Delta R.T.: -0.008 min
Response: 494512
Conc: 3.94 ug/ml

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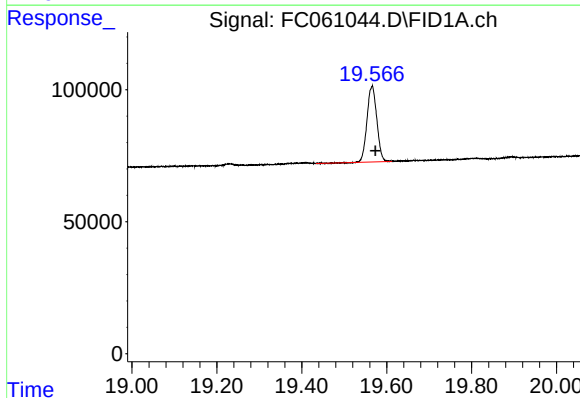
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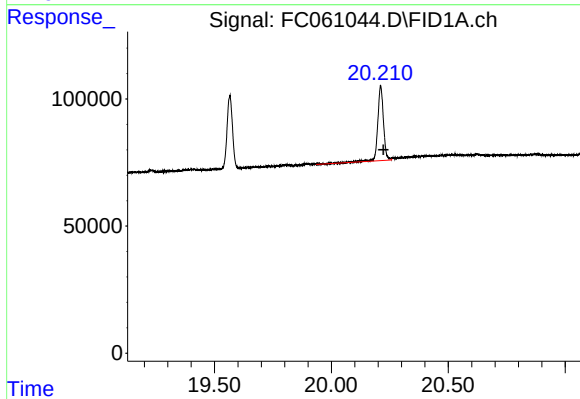
#20 n-Hexatriacontane (C36)

R.T.: 18.884 min
Delta R.T.: -0.008 min
Response: 487578
Conc: 3.99 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 19.565 min
Delta R.T.: -0.009 min
Response: 461123
Conc: 3.91 ug/ml



#22 n-Tetracontane (C40)

R.T.: 20.211 min
Delta R.T.: -0.011 min
Response: 498557
Conc: 4.33 ug/ml