

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022024AL\
 Data File : FC065796.D
 Signal(s) : FID1A.ch
 Acq On : 20 Feb 2024 16:42
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/21/2024
 Supervised By :Ankita Jodhani 02/21/2024

Integration File: autoint1.e
 Quant Time: Feb 21 00:39:26 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 020824.M
 Quant Title : GC Extractables
 QLast Update : Thu Feb 08 13:26:08 2024
 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			
9) S ortho-Terphenyl (SURR)	11.498	3269679	19.062 ug/ml
Spiked Amount 50.000		Recovery =	38.12%
12) S 1-chlorooctadecane (S...	12.930	2413993	19.182 ug/ml
Spiked Amount 50.000		Recovery =	38.36%
Target Compounds			
1) T n-Nonane (C9)	3.289	2870268	19.105 ug/ml
2) T n-Decane (C10)	4.352	3011070	19.804 ug/ml
3) T A~Naphthalene (C11.7)	5.938	3170806	20.562 ug/ml
4) T n-Dodecane (C12)	6.365	2970777	19.410 ug/ml
5) T A~2-methylnaphthalene...	6.993	2957050	20.766 ug/ml
6) T n-Tetradecane (C14)	8.155	2892852	19.485 ug/ml
7) T n-Hexadecane (C16)	9.749	2951861	19.684 ug/ml
8) T n-Octadecane (C18)	11.184	2970378	19.257 ug/ml
10) T n-Eicosane (C20)	12.487	2860384	19.021 ug/ml
11) T n-Heneicosane (C21)	13.096	2836993	18.969 ug/ml
13) T n-Docosane (C22)	13.680	2844177	19.175 ug/ml
14) T n-Tetracosane (C24)	14.777	2866357	19.278 ug/ml
15) T n-Hexacosane (C26)	15.793	2872208	19.382 ug/ml
16) T n-Octacosane (C28)	16.738	2942158	20.051 ug/ml
17) T n-Tricontane (C30)	17.621	3153662	21.008 ug/ml
18) T n-Dotriacontane (C32)	18.448	3190000	21.571 ug/ml
19) T n-Tetratriacontane (C34)	19.230	3054868	21.077 ug/mlm
20) T n-Hexatriacontane (C36)	19.965	2892045	20.374 ug/mlm
21) T n-Octatriacontane (C38)	20.682	2812832	19.872 ug/mlm
22) T n-Tetracontane (C40)	21.555	2731728	19.584 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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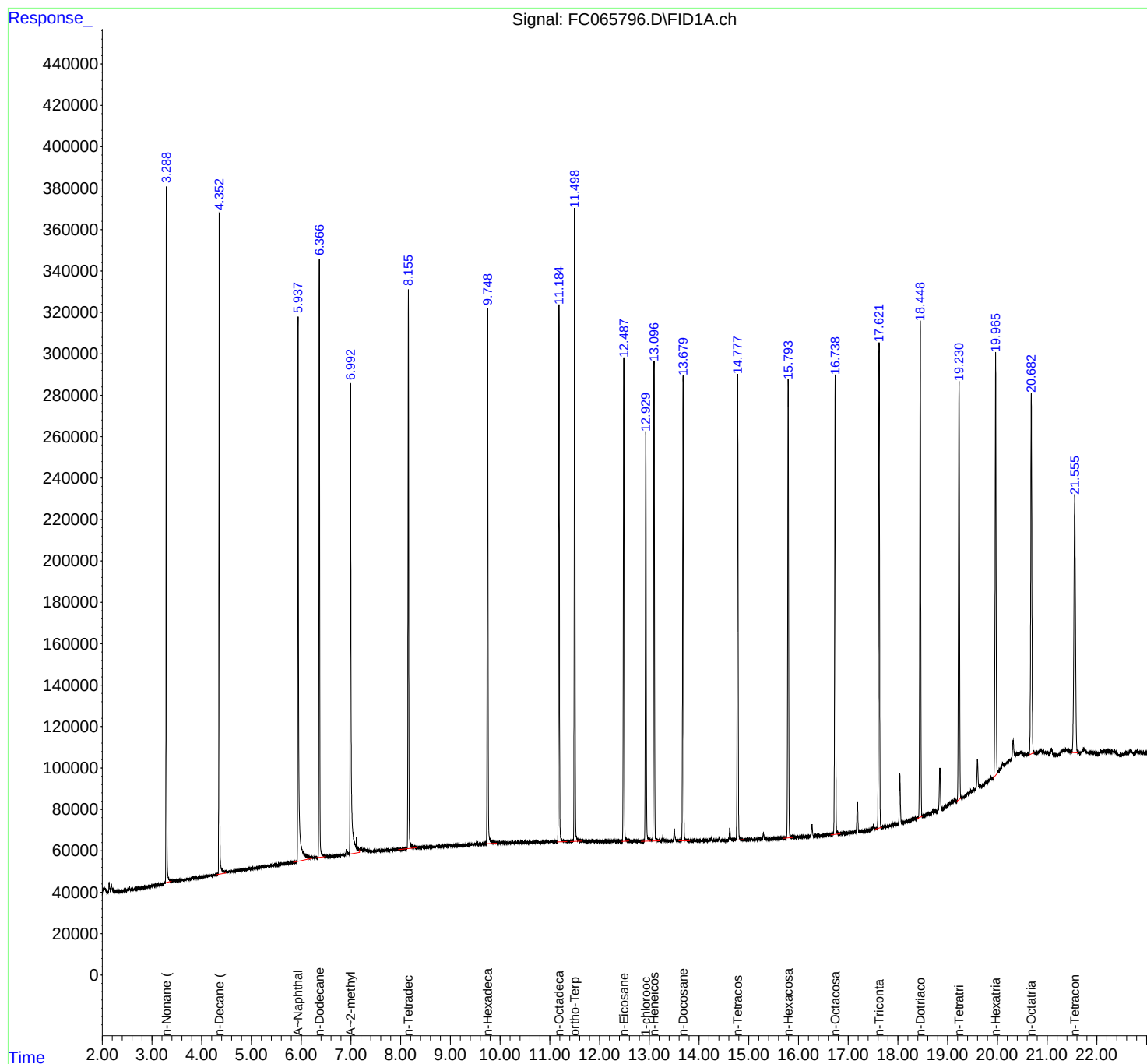
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20 PPM ALIPHATIC HC STD

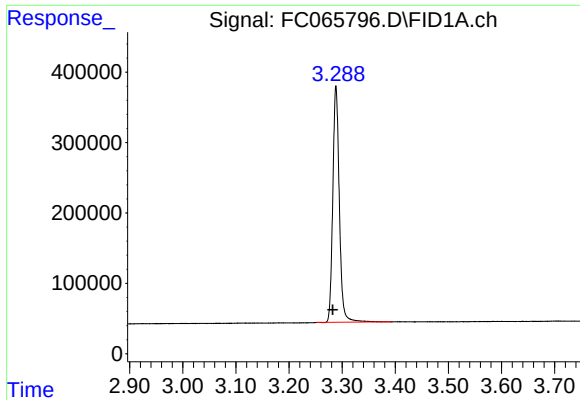
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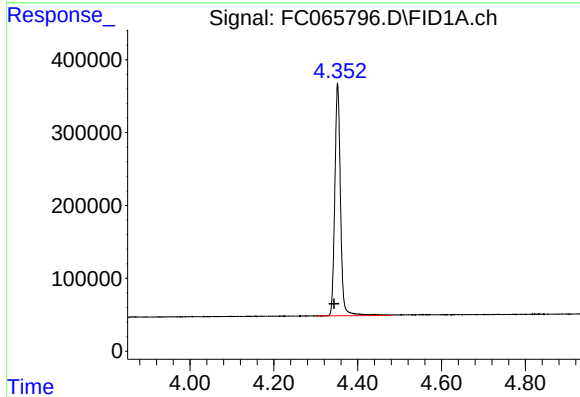
#1 n-Nonane (C9)

R.T.: 3.289 min
Delta R.T.: 0.007 min
Response: 2870268
Conc: 19.11 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

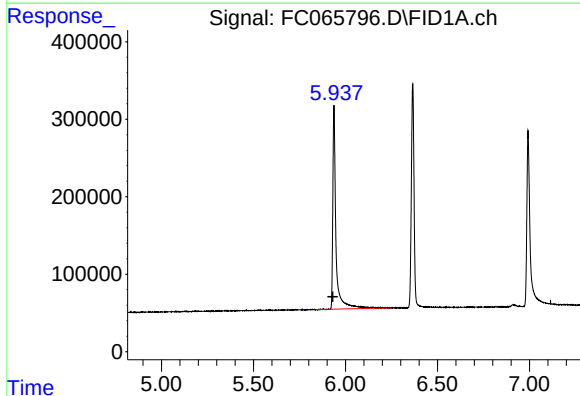
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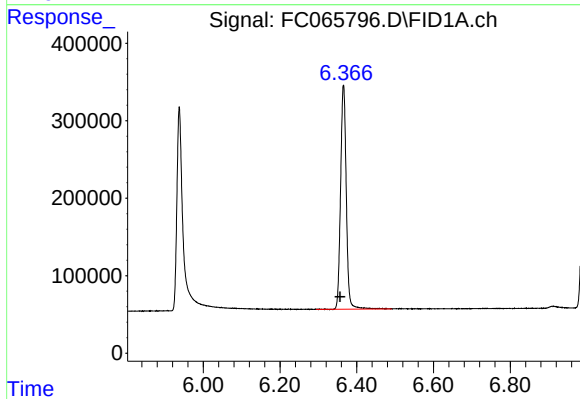
#2 n-Decane (C10)

R.T.: 4.352 min
Delta R.T.: 0.008 min
Response: 3011070
Conc: 19.80 ug/ml



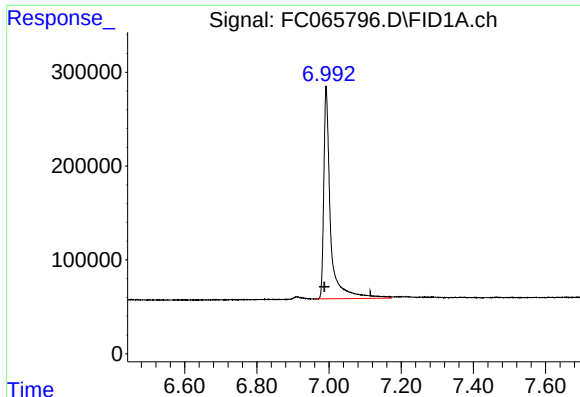
#3 A~Naphthalene (C11.7)

R.T.: 5.938 min
Delta R.T.: 0.006 min
Response: 3170806
Conc: 20.56 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.365 min
Delta R.T.: 0.009 min
Response: 2970777
Conc: 19.41 ug/ml



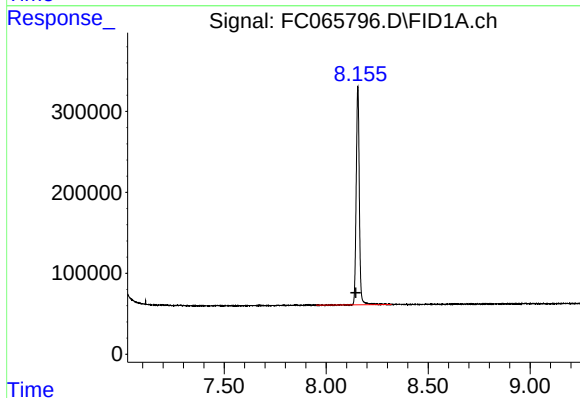
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.993 min
Delta R.T.: 0.005 min
Response: 2957050
Conc: 20.77 ug/ml

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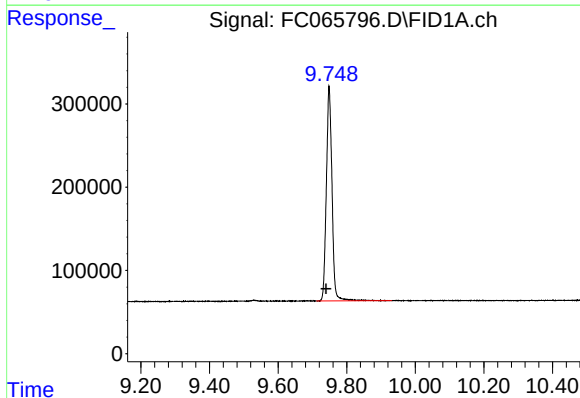
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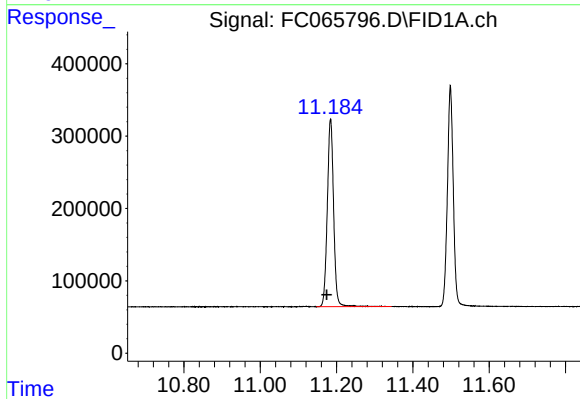
#6 n-Tetradecane (C14)

R.T.: 8.155 min
Delta R.T.: 0.010 min
Response: 2892852
Conc: 19.48 ug/ml



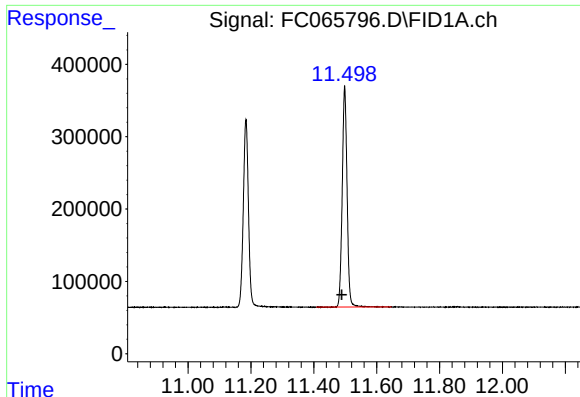
#7 n-Hexadecane (C16)

R.T.: 9.749 min
Delta R.T.: 0.008 min
Response: 2951861
Conc: 19.68 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.184 min
Delta R.T.: 0.010 min
Response: 2970378
Conc: 19.26 ug/ml



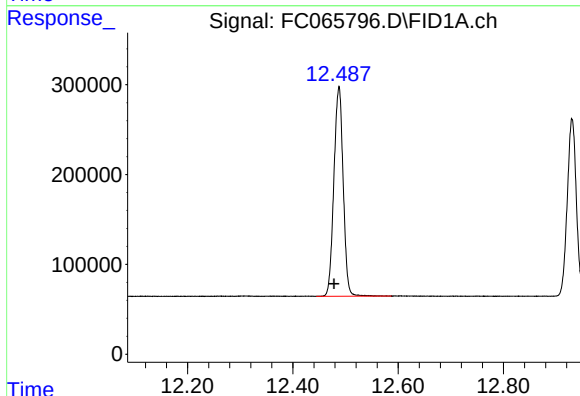
#9 ortho-Terphenyl (SURR)

R.T.: 11.498 min
Delta R.T.: 0.010 min
Response: 3269679
Conc: 19.06 ug/ml

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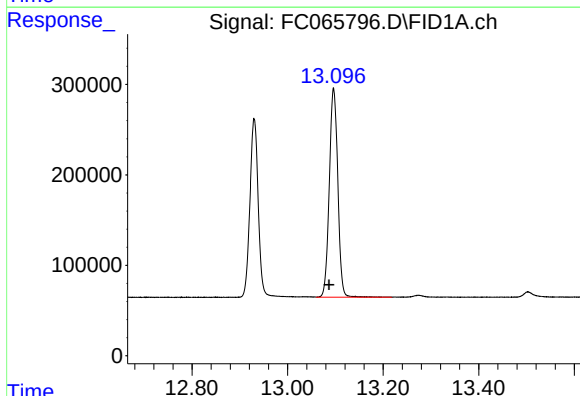
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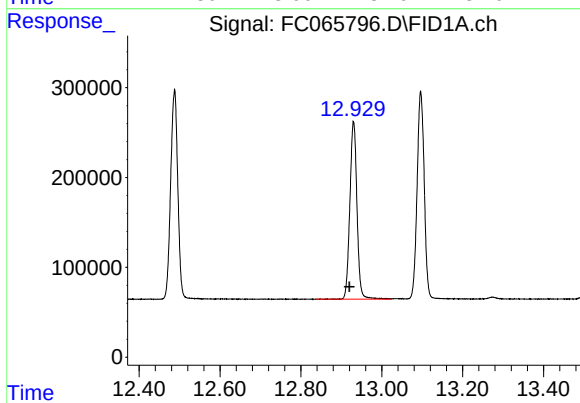
#10 n-Eicosane (C20)

R.T.: 12.487 min
Delta R.T.: 0.009 min
Response: 2860384
Conc: 19.02 ug/ml



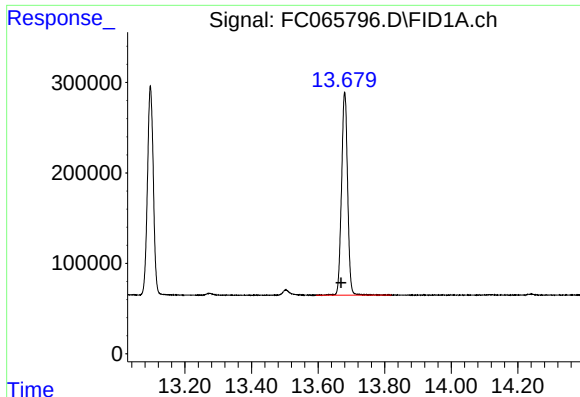
#11 n-Heneicosane (C21)

R.T.: 13.096 min
Delta R.T.: 0.010 min
Response: 2836993
Conc: 18.97 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.930 min
Delta R.T.: 0.010 min
Response: 2413993
Conc: 19.18 ug/ml



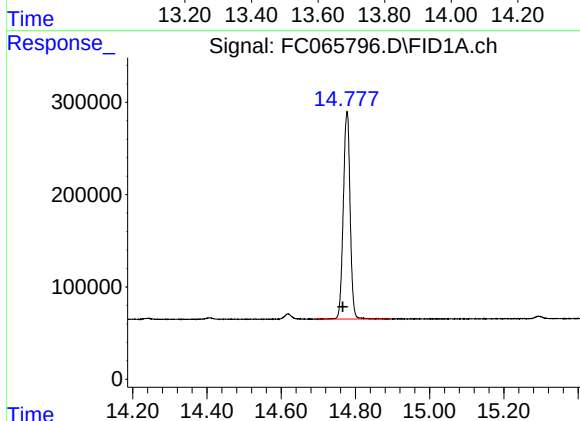
#13 n-Docosane (C22)

R.T.: 13.680 min
Delta R.T.: 0.011 min
Response: 2844177
Conc: 19.17 ug/ml

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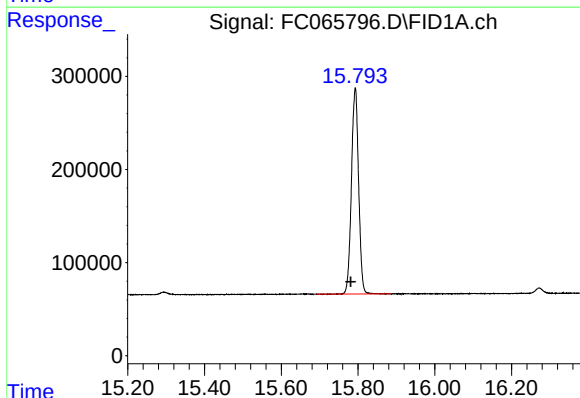
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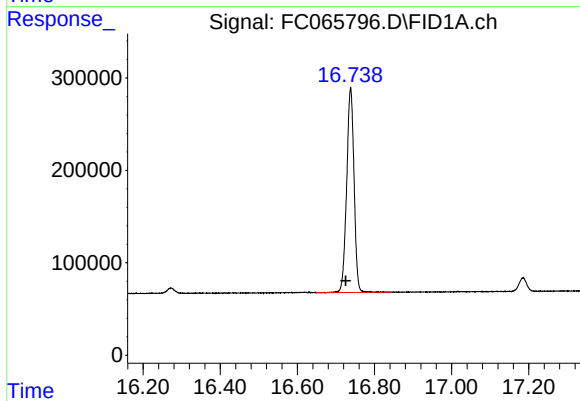
#14 n-Tetracosane (C24)

R.T.: 14.777 min
Delta R.T.: 0.011 min
Response: 2866357
Conc: 19.28 ug/ml



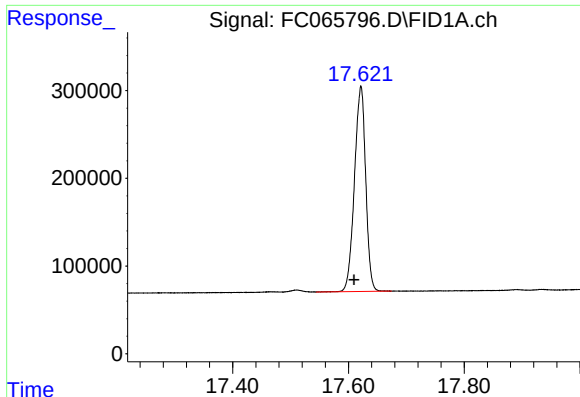
#15 n-Hexacosane (C26)

R.T.: 15.793 min
Delta R.T.: 0.011 min
Response: 2872208
Conc: 19.38 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.738 min
Delta R.T.: 0.012 min
Response: 2942158
Conc: 20.05 ug/ml



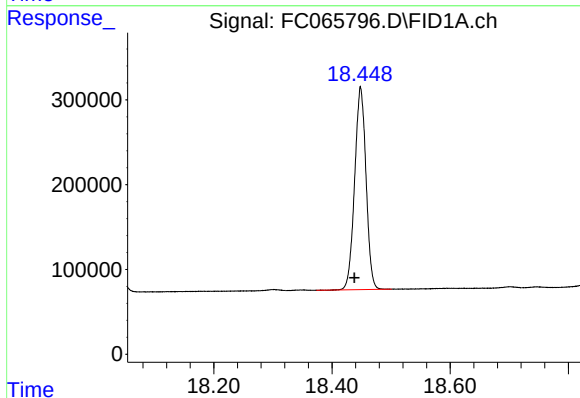
#17 n-Tricontane (C30)

R.T.: 17.621 min
Delta R.T.: 0.011 min
Response: 3153662
Conc: 21.01 ug/ml

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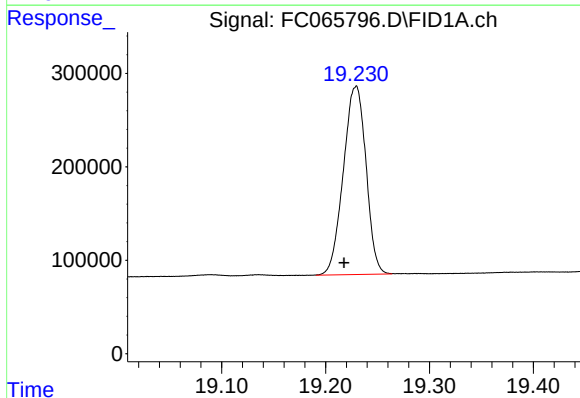
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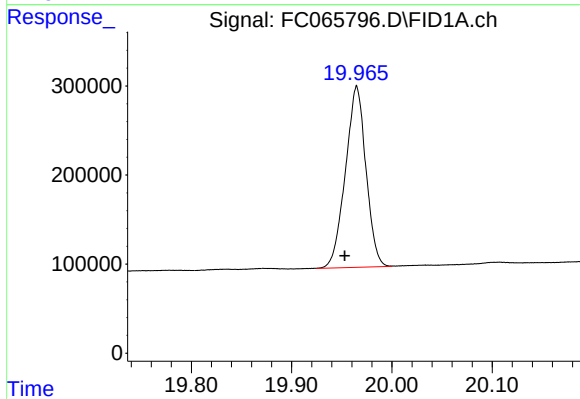
#18 n-Dotriacontane (C32)

R.T.: 18.448 min
Delta R.T.: 0.010 min
Response: 3190000
Conc: 21.57 ug/ml



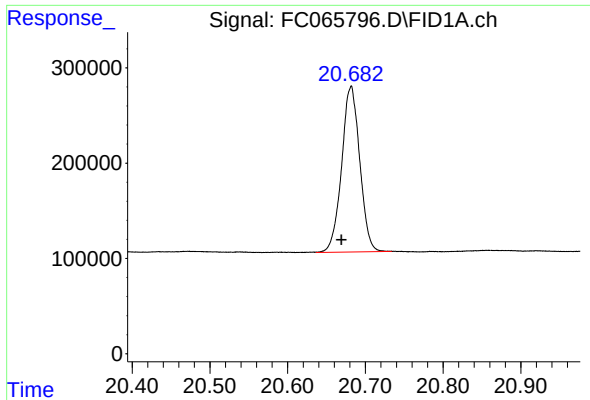
#19 n-Tetratriacontane (C34)

R.T.: 19.230 min
Delta R.T.: 0.012 min
Response: 3054868
Conc: 21.08 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.965 min
Delta R.T.: 0.012 min
Response: 2892045
Conc: 20.37 ug/ml m



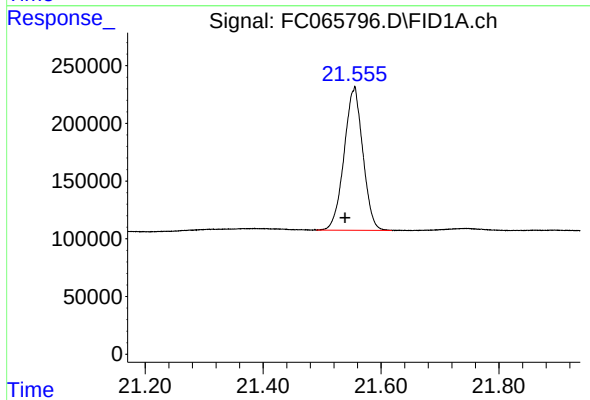
#21 n-Octatriacontane (C38)

R.T.: 20.682 min
Delta R.T.: 0.013 min
Response: 2812832
Conc: 19.87 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.555 min
Delta R.T.: 0.016 min
Response: 2731728
Conc: 19.58 ug/ml m