

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022224AL\
 Data File : FC065819.D
 Signal(s) : FID1A.ch
 Acq On : 22 Feb 2024 12:12
 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 02/23/2024
 Supervised By :Ankita Jodhani 02/23/2024

Integration File: autoint1.e
 Quant Time: Feb 23 02:20:26 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)	11.500	3187795	18.584 ug/ml
Spiked Amount 50.000		Recovery =	37.17%
12) S 1-chlorooctadecane (S...	12.931	2377329	18.890 ug/ml
Spiked Amount 50.000		Recovery =	37.78%
Target Compounds			
1) T n-Nonane (C9)	3.289	2779715	18.502 ug/ml
2) T n-Decane (C10)	4.352	2887719	18.993 ug/ml
3) T A~Naphthalene (C11.7)	5.939	3102188	20.117 ug/ml
4) T n-Dodecane (C12)	6.366	2882511	18.834 ug/ml
5) T A~2-methylnaphthalene...	6.994	2916231	20.479 ug/ml
6) T n-Tetradecane (C14)	8.156	2814614	18.958 ug/ml
7) T n-Hexadecane (C16)	9.750	2887634	19.255 ug/ml
8) T n-Octadecane (C18)	11.186	2908857	18.858 ug/ml
10) T n-Eicosane (C20)	12.488	2804166	18.647 ug/ml
11) T n-Heneicosane (C21)	13.097	2775492	18.558 ug/ml
13) T n-Docosane (C22)	13.681	2775018	18.709 ug/ml
14) T n-Tetracosane (C24)	14.777	2823497	18.990 ug/ml
15) T n-Hexacosane (C26)	15.793	2841234	19.173 ug/ml
16) T n-Octacosane (C28)	16.738	2915642	19.871 ug/ml
17) T n-Tricontane (C30)	17.621	3162367	21.066 ug/ml
18) T n-Dotriacontane (C32)	18.451	3218290	21.762 ug/ml
19) T n-Tetratriacontane (C34)	19.231	3130727	21.600 ug/ml
20) T n-Hexatriacontane (C36)	19.967	2864313	20.179 ug/mlm
21) T n-Octatriacontane (C38)	20.685	2771901	19.582 ug/mlm
22) T n-Tetracontane (C40)	21.558	2704225	19.387 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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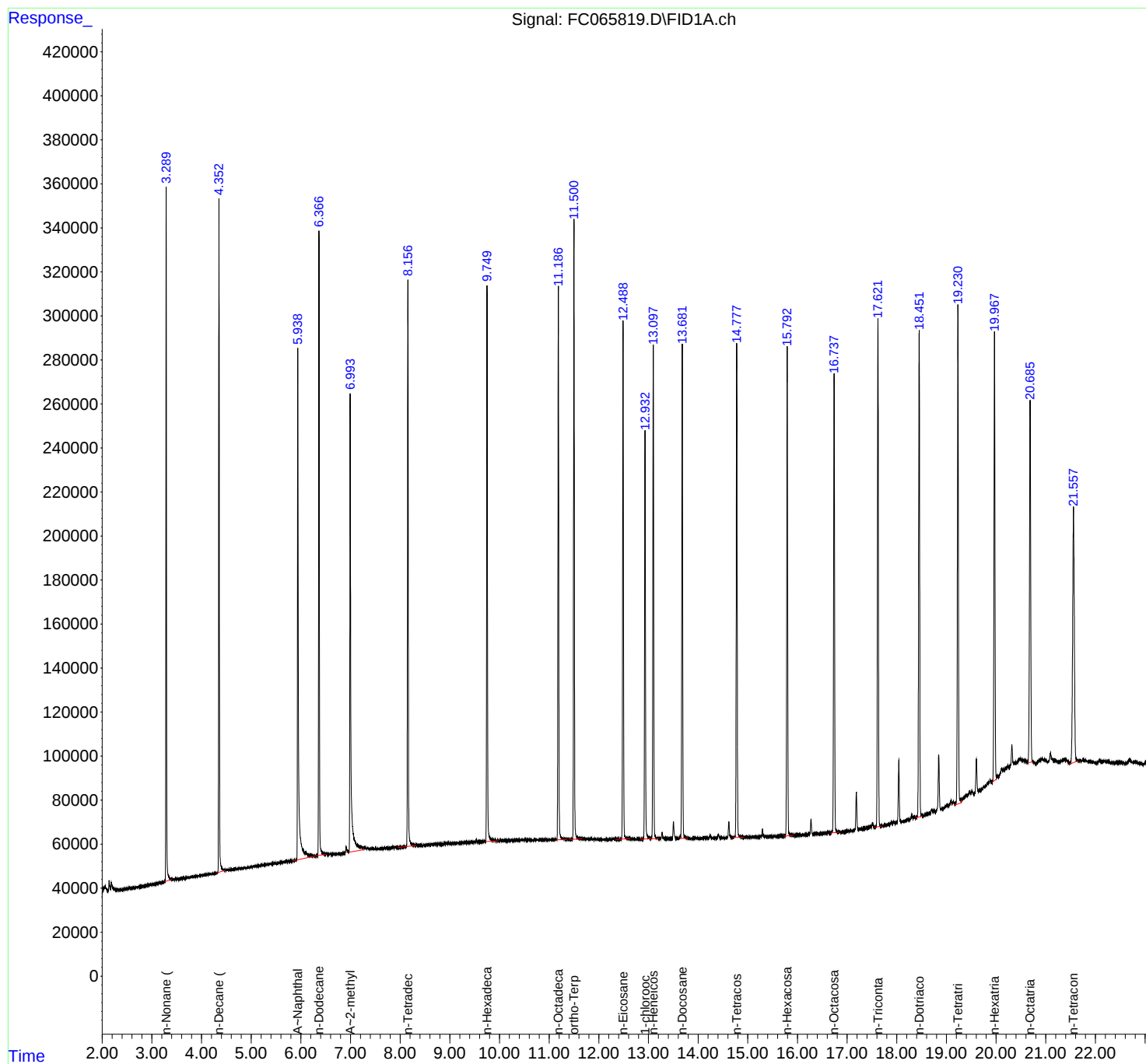
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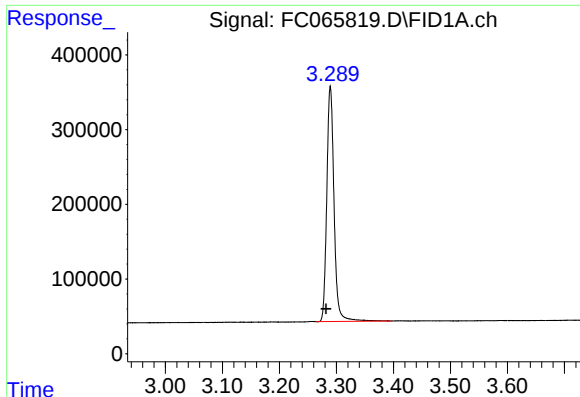
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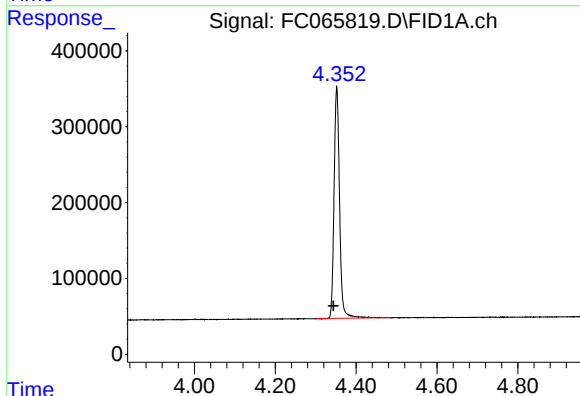
#1 n-Nonane (C9)

R.T.: 3.289 min
Delta R.T.: 0.007 min
Response: 2779715
Conc: 18.50 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

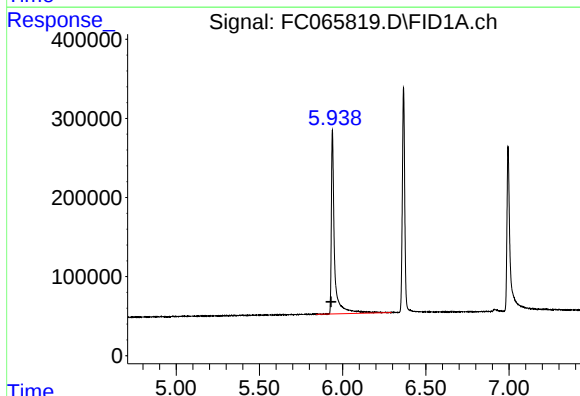
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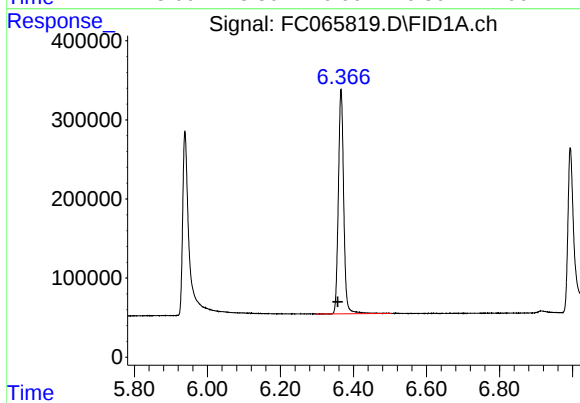
#2 n-Decane (C10)

R.T.: 4.352 min
Delta R.T.: 0.008 min
Response: 2887719
Conc: 18.99 ug/ml



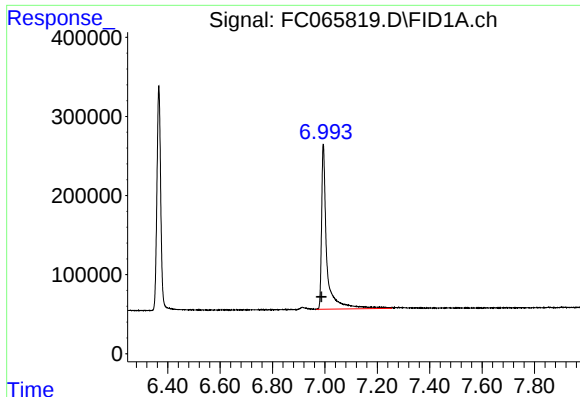
#3 A~Naphthalene (C11.7)

R.T.: 5.939 min
Delta R.T.: 0.008 min
Response: 3102188
Conc: 20.12 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.366 min
Delta R.T.: 0.009 min
Response: 2882511
Conc: 18.83 ug/ml



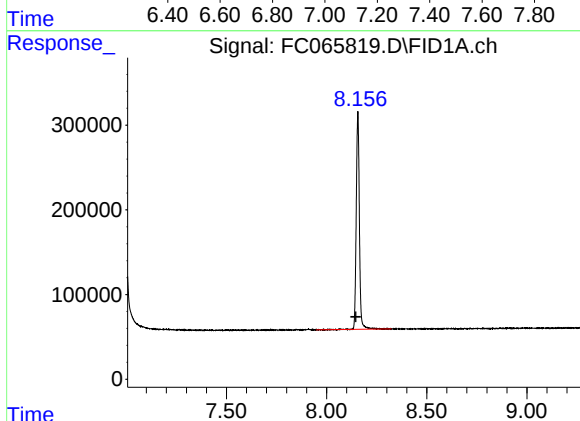
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.994 min
Delta R.T.: 0.007 min
Response: 2916231
Conc: 20.48 ug/ml

Instrument :
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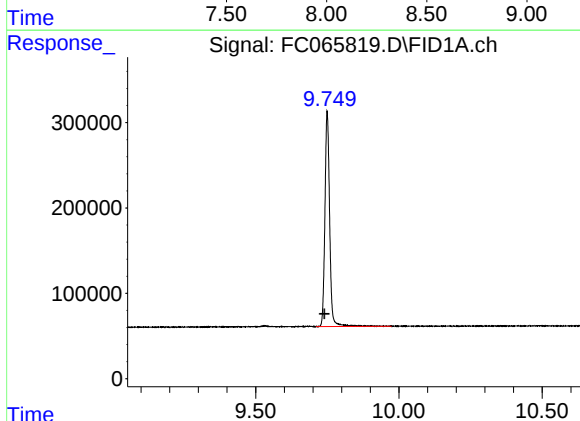
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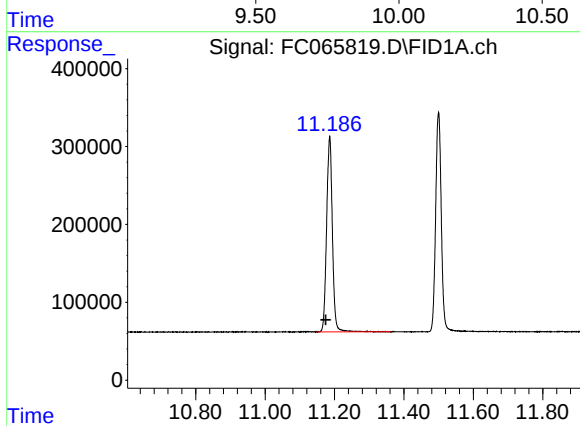
#6 n-Tetradecane (C14)

R.T.: 8.156 min
Delta R.T.: 0.010 min
Response: 2814614
Conc: 18.96 ug/ml



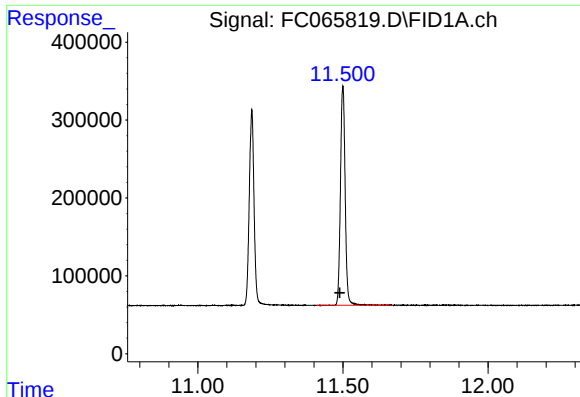
#7 n-Hexadecane (C16)

R.T.: 9.750 min
Delta R.T.: 0.009 min
Response: 2887634
Conc: 19.26 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.186 min
Delta R.T.: 0.011 min
Response: 2908857
Conc: 18.86 ug/ml



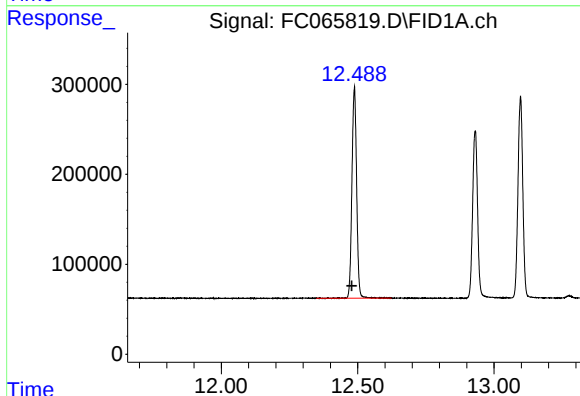
#9 ortho-Terphenyl (SURR)

R.T.: 11.500 min
Delta R.T.: 0.011 min
Response: 3187795
Conc: 18.58 ug/ml

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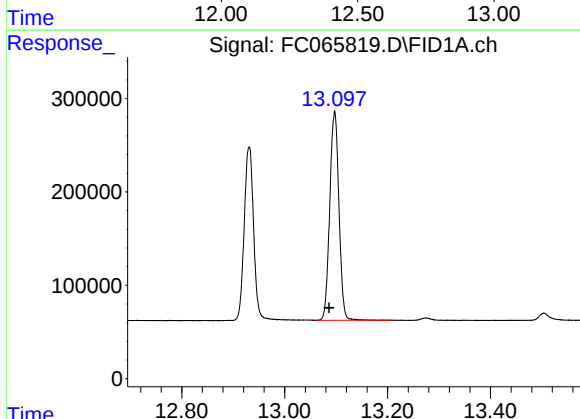
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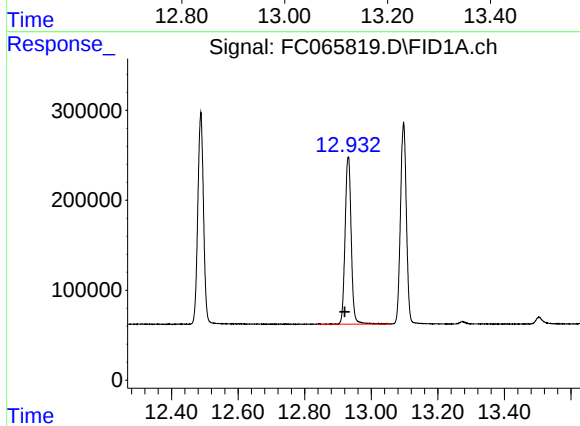
#10 n-Eicosane (C20)

R.T.: 12.488 min
Delta R.T.: 0.010 min
Response: 2804166
Conc: 18.65 ug/ml



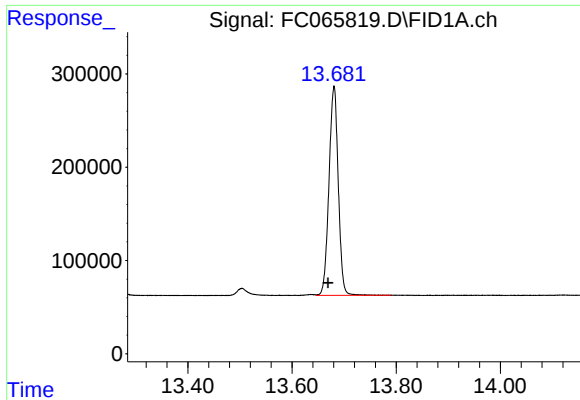
#11 n-Heneicosane (C21)

R.T.: 13.097 min
Delta R.T.: 0.011 min
Response: 2775492
Conc: 18.56 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.931 min
Delta R.T.: 0.011 min
Response: 2377329
Conc: 18.89 ug/ml



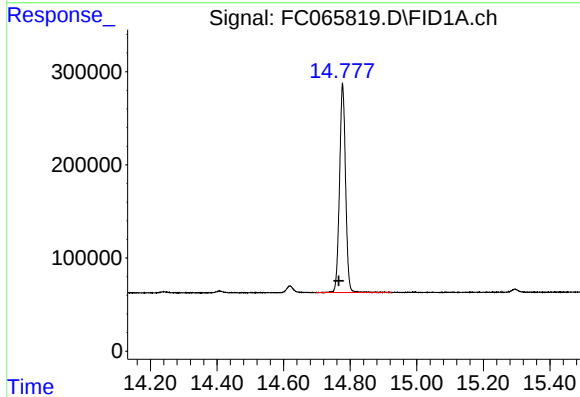
#13 n-Docosane (C22)

R.T.: 13.681 min
Delta R.T.: 0.011 min
Response: 2775018
Conc: 18.71 ug/ml

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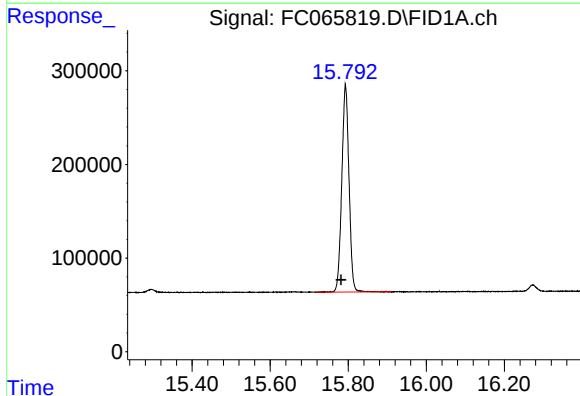
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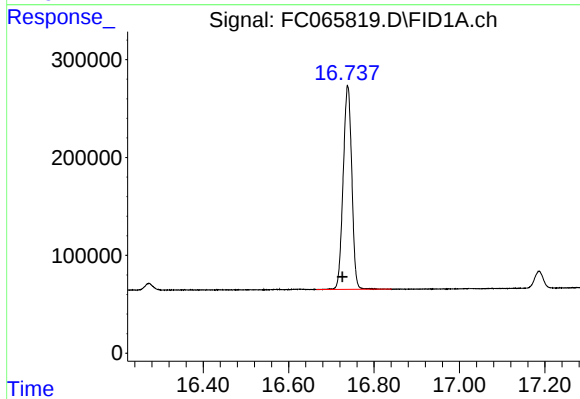
#14 n-Tetracosane (C24)

R.T.: 14.777 min
Delta R.T.: 0.012 min
Response: 2823497
Conc: 18.99 ug/ml



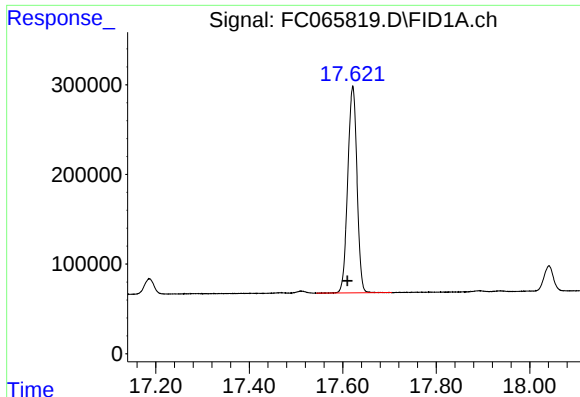
#15 n-Hexacosane (C26)

R.T.: 15.793 min
Delta R.T.: 0.012 min
Response: 2841234
Conc: 19.17 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.738 min
Delta R.T.: 0.012 min
Response: 2915642
Conc: 19.87 ug/ml



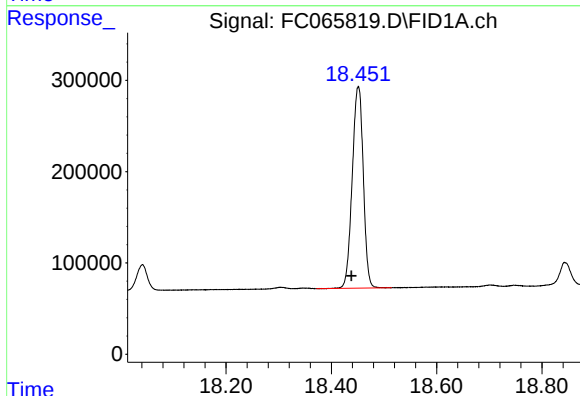
#17 n-Tricontane (C30)

R.T.: 17.621 min
Delta R.T.: 0.011 min
Response: 3162367
Conc: 21.07 ug/ml

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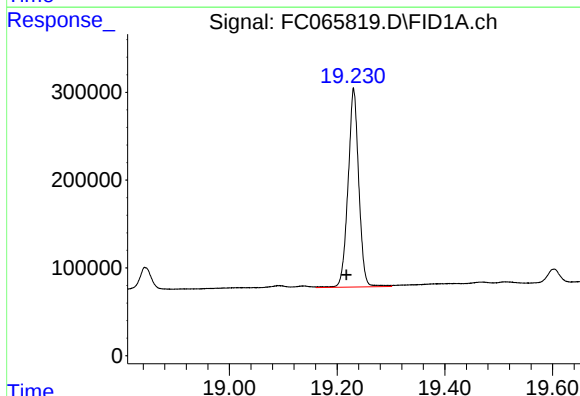
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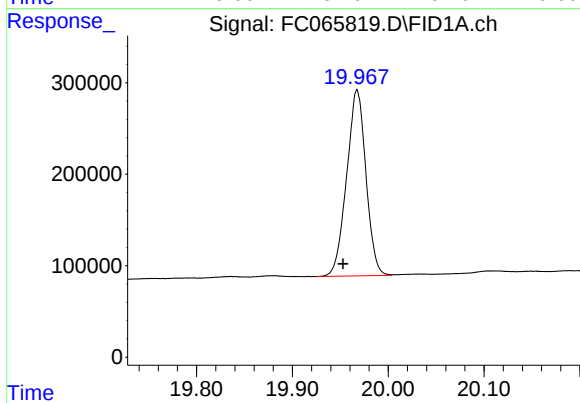
#18 n-Dotriacontane (C32)

R.T.: 18.451 min
Delta R.T.: 0.013 min
Response: 3218290
Conc: 21.76 ug/ml



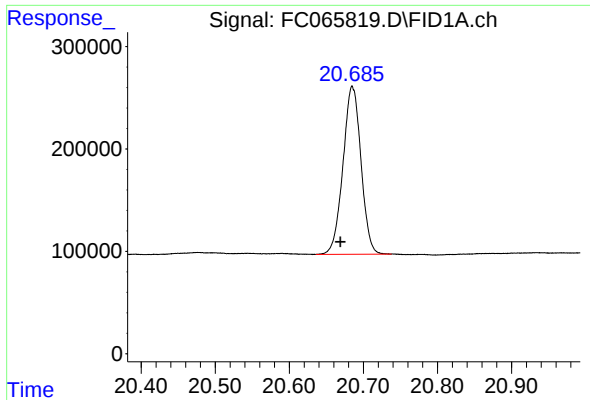
#19 n-Tetratriacontane (C34)

R.T.: 19.231 min
Delta R.T.: 0.013 min
Response: 3130727
Conc: 21.60 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.967 min
Delta R.T.: 0.014 min
Response: 2864313
Conc: 20.18 ug/ml m



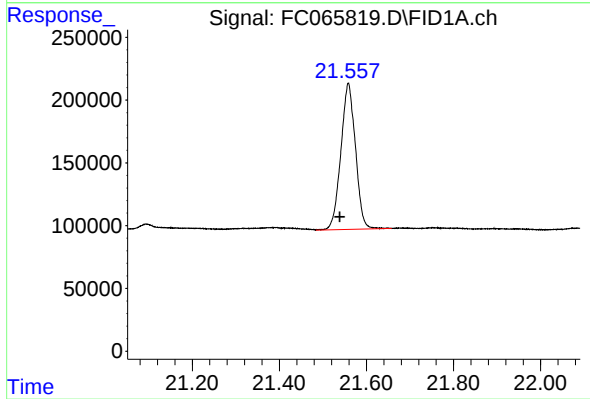
#21 n-Octatriacontane (C38)

R.T.: 20.685 min
Delta R.T.: 0.015 min
Response: 2771901
Conc: 19.58 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.558 min
Delta R.T.: 0.020 min
Response: 2704225
Conc: 19.39 ug/ml