

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062124AL\
 Data File : FC066659.D
 Signal(s) : FID1A.ch
 Acq On : 21 Jun 2024 10:20
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/24/2024
 Supervised By :Ankita Jodhani 06/24/2024

Integration File: autoint1.e
 Quant Time: Jun 22 02:56:06 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061724.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 17 13:44:39 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)	11.533	3233337	18.745 ug/ml
Spiked Amount 50.000		Recovery =	37.49%
12) S 1-chlorooctadecane (S...	12.971	2537489	18.390 ug/ml
Spiked Amount 50.000		Recovery =	36.78%
Target Compounds			
1) T n-Nonane (C9)	3.293	2823850	19.435 ug/ml
2) T n-Decane (C10)	4.360	2898270	19.430 ug/ml
3) T A~Naphthalene (C11.7)	5.943	3168256	19.513 ug/ml
4) T n-Dodecane (C12)	6.380	2939609	19.396 ug/ml
5) T A~2-methylnaphthalene...	7.000	3078316	19.377 ug/ml
6) T n-Tetradecane (C14)	8.175	2937141	19.363 ug/ml
7) T n-Hexadecane (C16)	9.777	3074446	19.193 ug/ml
8) T n-Octadecane (C18)	11.218	3147774	18.971 ug/ml
10) T n-Eicosane (C20)	12.527	3044240	18.726 ug/ml
11) T n-Heneicosane (C21)	13.139	2999156	18.614 ug/ml
13) T n-Docosane (C22)	13.725	2974338	18.552 ug/ml
14) T n-Tetracosane (C24)	14.827	2920112	18.399 ug/ml
15) T n-Hexacosane (C26)	15.848	2795223	18.306 ug/ml
16) T n-Octacosane (C28)	16.797	2661172	18.449 ug/ml
17) T n-Tricontane (C30)	17.685	2625376	18.791 ug/ml
18) T n-Dotriacontane (C32)	18.517	2519166	19.089 ug/ml
19) T n-Tetratriacontane (C34)	19.301	2405790	19.453 ug/ml
20) T n-Hexatriacontane (C36)	20.040	2335190	19.376 ug/ml
21) T n-Octatriacontane (C38)	20.770	2281425	19.952 ug/ml
22) T n-Tetracontane (C40)	21.674	2209906	19.677 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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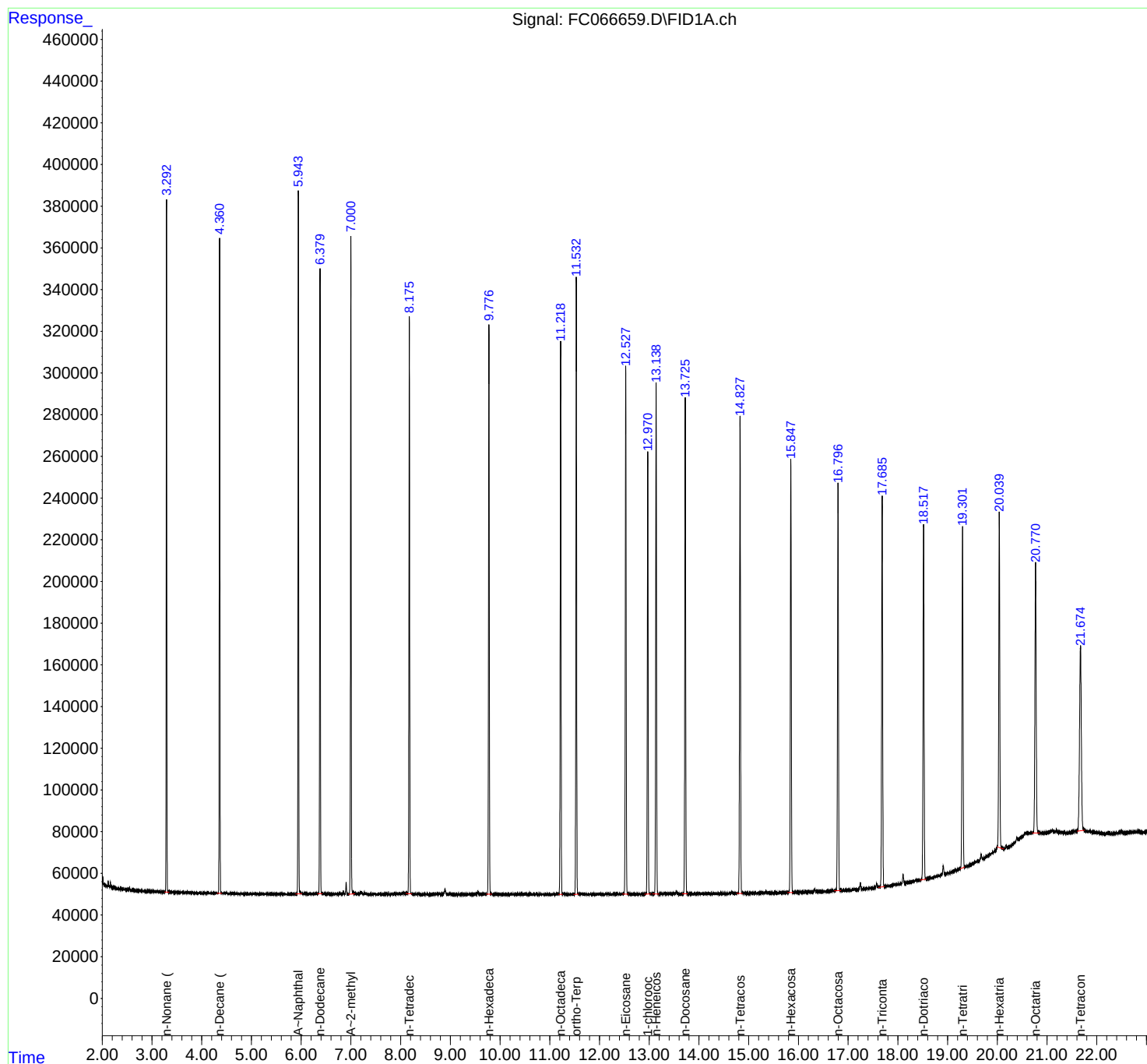
Instrument :
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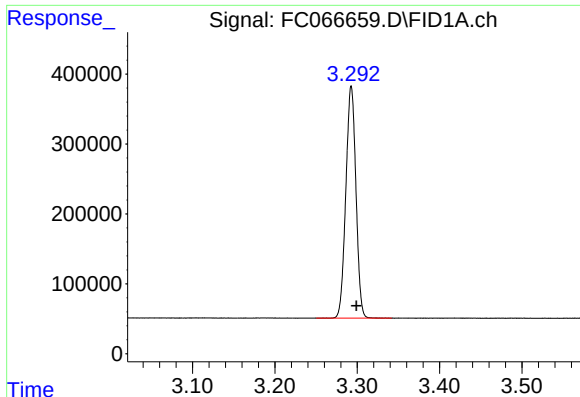
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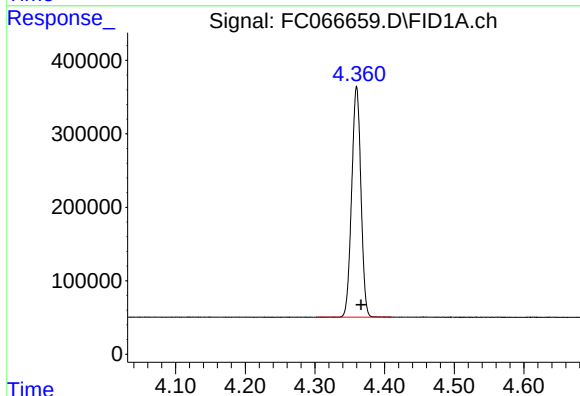
#1 n-Nonane (C9)

R.T.: 3.293 min
Delta R.T.: -0.006 min
Response: 2823850
Conc: 19.44 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

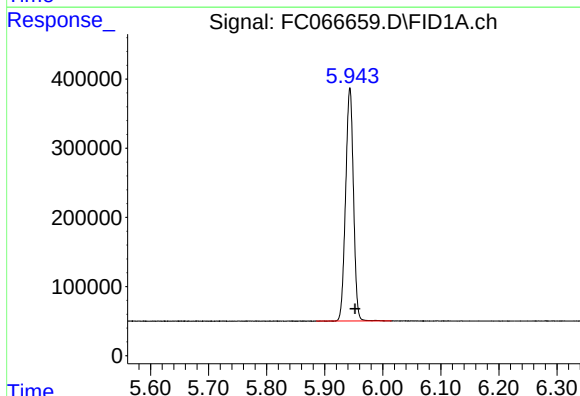
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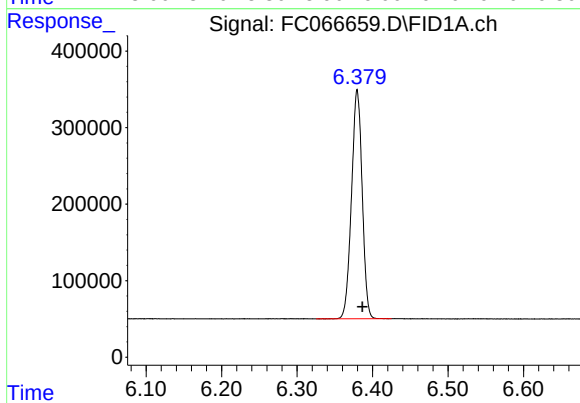
#2 n-Decane (C10)

R.T.: 4.360 min
Delta R.T.: -0.006 min
Response: 2898270
Conc: 19.43 ug/ml



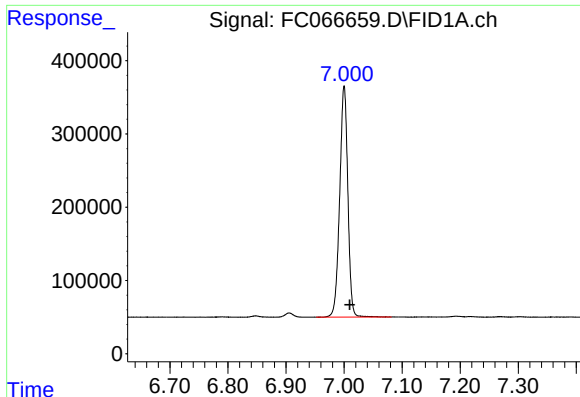
#3 A~Naphthalene (C11.7)

R.T.: 5.943 min
Delta R.T.: -0.009 min
Response: 3168256
Conc: 19.51 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.380 min
Delta R.T.: -0.007 min
Response: 2939609
Conc: 19.40 ug/ml



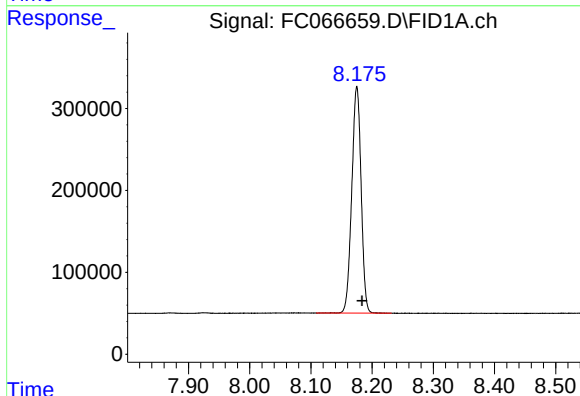
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.000 min
Delta R.T.: -0.010 min
Response: 3078316
Conc: 19.38 ug/ml

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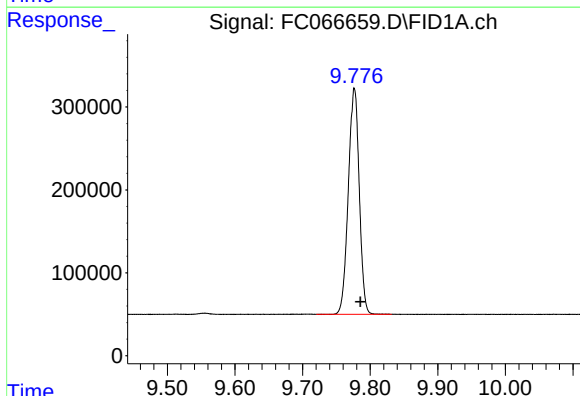
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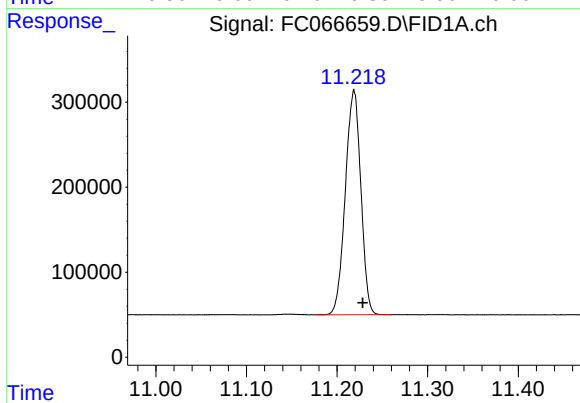
#6 n-Tetradecane (C14)

R.T.: 8.175 min
Delta R.T.: -0.008 min
Response: 2937141
Conc: 19.36 ug/ml



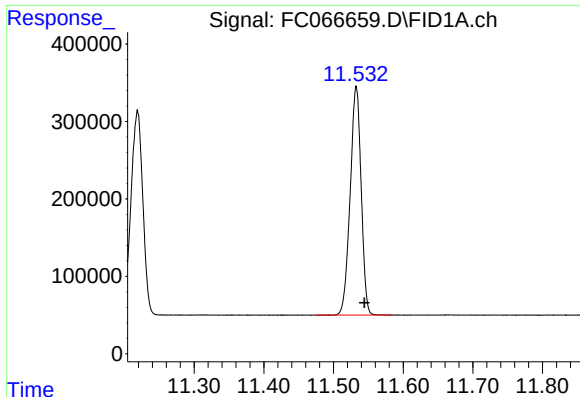
#7 n-Hexadecane (C16)

R.T.: 9.777 min
Delta R.T.: -0.009 min
Response: 3074446
Conc: 19.19 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.218 min
Delta R.T.: -0.010 min
Response: 3147774
Conc: 18.97 ug/ml



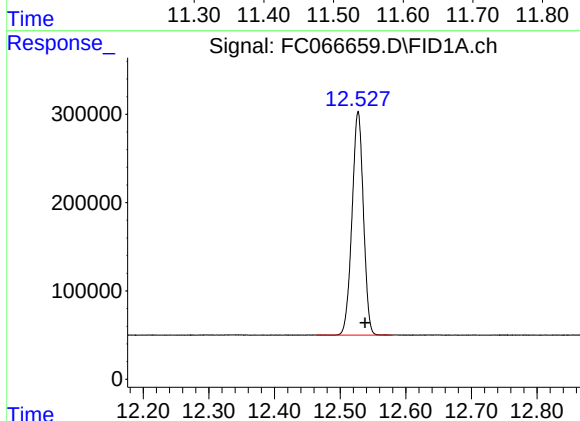
#9 ortho-Terphenyl (SURR)

R.T.: 11.533 min
Delta R.T.: -0.012 min
Response: 3233337
Conc: 18.75 ug/ml

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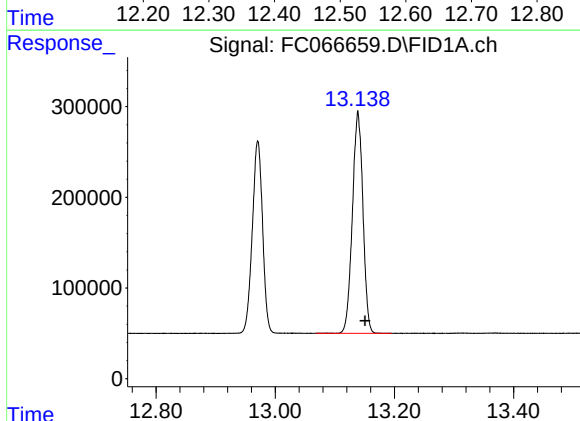
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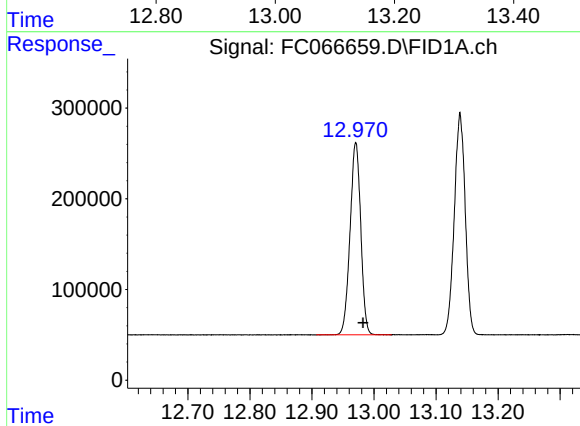
#10 n-Eicosane (C20)

R.T.: 12.527 min
Delta R.T.: -0.011 min
Response: 3044240
Conc: 18.73 ug/ml



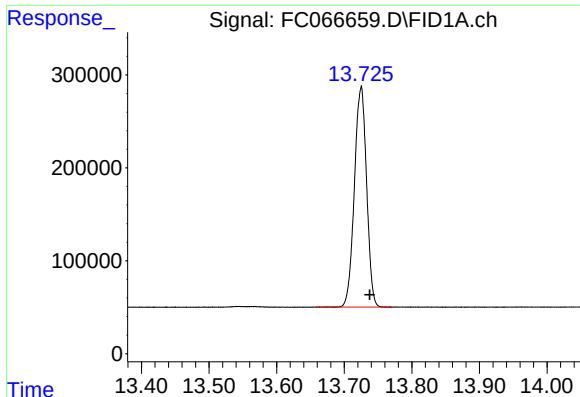
#11 n-Heneicosane (C21)

R.T.: 13.139 min
Delta R.T.: -0.012 min
Response: 2999156
Conc: 18.61 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.971 min
Delta R.T.: -0.012 min
Response: 2537489
Conc: 18.39 ug/ml



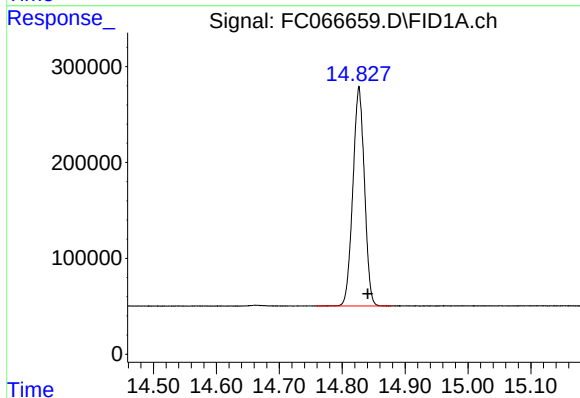
#13 n-Docosane (C22)

R.T.: 13.725 min
Delta R.T.: -0.013 min
Response: 2974338
Conc: 18.55 ug/ml

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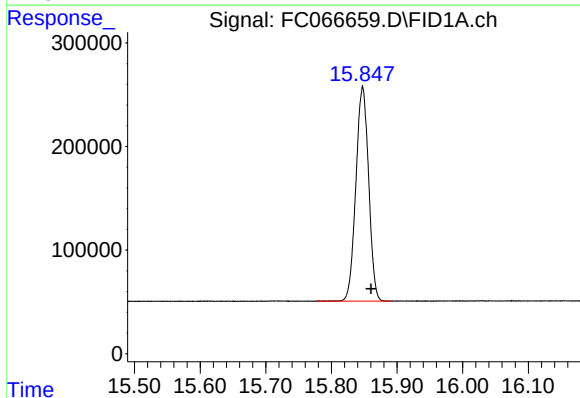
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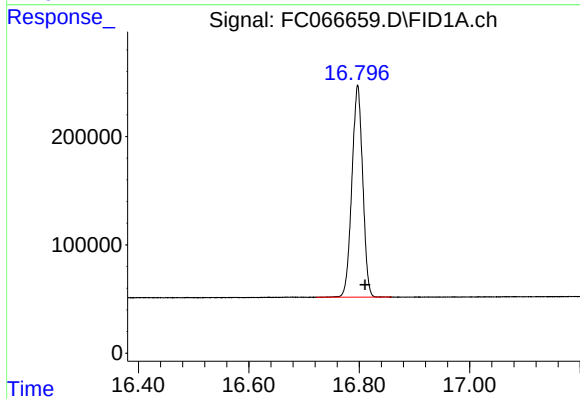
#14 n-Tetracosane (C24)

R.T.: 14.827 min
Delta R.T.: -0.014 min
Response: 2920112
Conc: 18.40 ug/ml



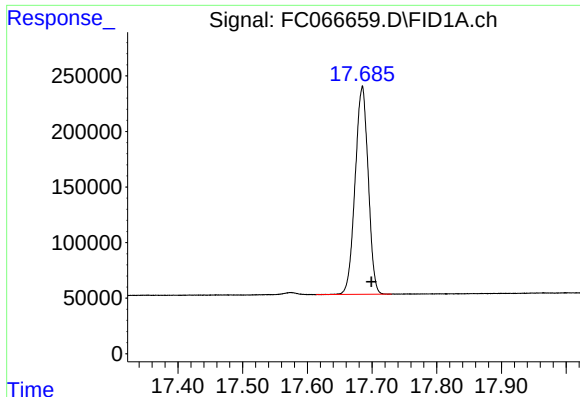
#15 n-Hexacosane (C26)

R.T.: 15.848 min
Delta R.T.: -0.013 min
Response: 2795223
Conc: 18.31 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.797 min
Delta R.T.: -0.013 min
Response: 2661172
Conc: 18.45 ug/ml



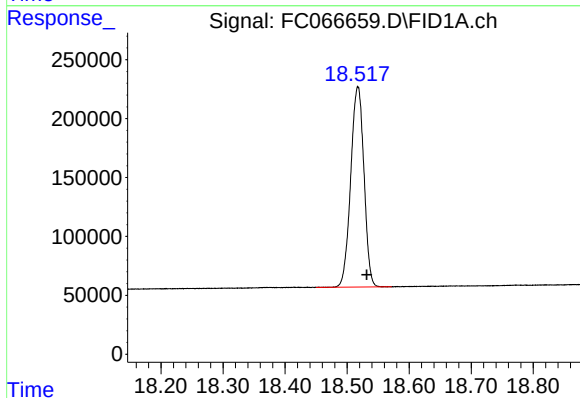
#17 n-Tricontane (C30)

R.T.: 17.685 min
Delta R.T.: -0.014 min
Response: 2625376
Conc: 18.79 ug/ml

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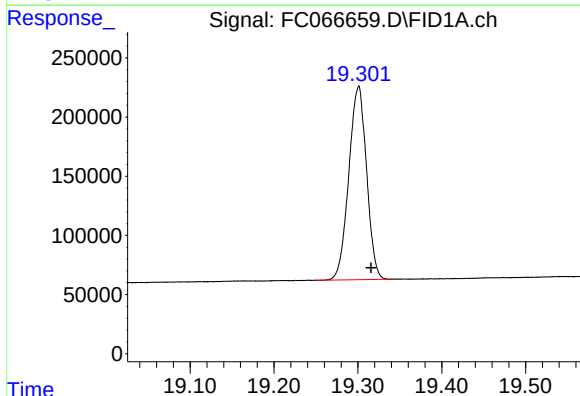
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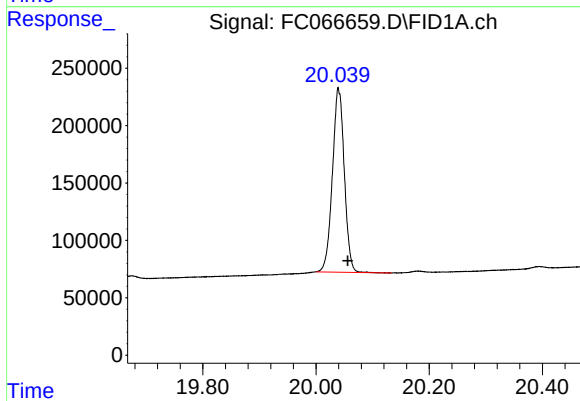
#18 n-Dotriacontane (C32)

R.T.: 18.517 min
Delta R.T.: -0.015 min
Response: 2519166
Conc: 19.09 ug/ml



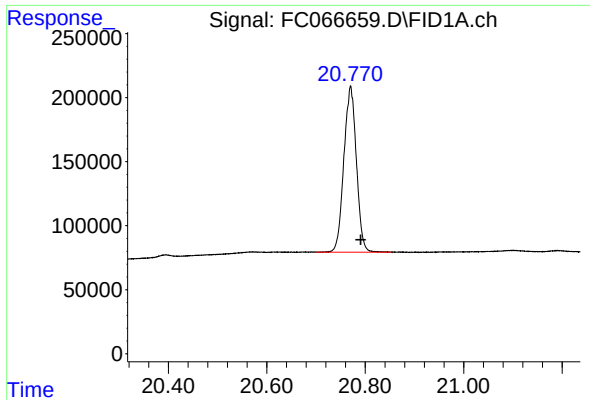
#19 n-Tetratriacontane (C34)

R.T.: 19.301 min
Delta R.T.: -0.015 min
Response: 2405790
Conc: 19.45 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.040 min
Delta R.T.: -0.016 min
Response: 2335190
Conc: 19.38 ug/ml



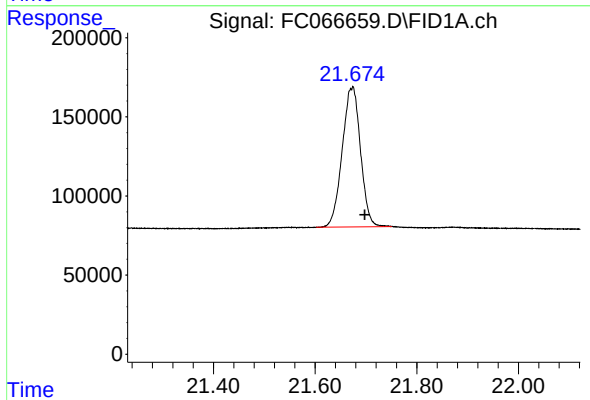
#21 n-Octatriacontane (C38)

R.T.: 20.770 min
Delta R.T.: -0.021 min
Response: 2281425
Conc: 19.95 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.674 min
Delta R.T.: -0.023 min
Response: 2209906
Conc: 19.68 ug/ml m