

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071125AL\
 Data File : FC069423.D
 Signal(s) : FID1A.ch
 Acq On : 11 Jul 2025 16:27
 Operator : YP/AJ
 Sample : PB168812BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB168812BSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/14/2025
 Supervised By :mohammad ahmed 07/15/2025

Integration File: autoint1.e
 Quant Time: Jul 11 23:29:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 Qlast Update : Wed Jun 18 14:24:27 2025
 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)	11.674	6316886	36.565 ug/ml
Spiked Amount 50.000		Recovery =	73.13%
12) S 1-chlorooctadecane (S...	13.109	4940526	37.817 ug/ml
Spiked Amount 50.000		Recovery =	75.63%
Target Compounds			
1) T n-Nonane (C9)	3.415	5331028	37.485 ug/ml
2) T n-Decane (C10)	4.483	5831743	39.836 ug/ml
3) T A~Naphthalene (C11.7)	6.074	7267042	45.167 ug/ml
4) T n-Dodecane (C12)	6.503	6224956	41.109 ug/ml
5) T A~2-methylnaphthalene...	7.133	6829353	43.156 ug/ml
6) T n-Tetradecane (C14)	8.303	6299017	40.637 ug/ml
7) T n-Hexadecane (C16)	9.906	6298659	38.544 ug/ml
8) T n-Octadecane (C18)	11.351	6117604	37.469 ug/ml
10) T n-Eicosane (C20)	12.663	6087942	39.884 ug/ml
11) T n-Heneicosane (C21)	13.276	5745300	38.980 ug/ml
13) T n-Docosane (C22)	13.863	5597403	38.903 ug/ml
14) T n-Tetracosane (C24)	14.960	10903963	79.054 ug/ml
15) T n-Hexacosane (C26)	15.990	5080625	38.866 ug/ml
16) T n-Octacosane (C28)	16.940	4853270	39.352 ug/ml
17) T n-Tricontane (C30)	17.831	4711385	39.630 ug/ml
18) T n-Dotriacontane (C32)	18.664	4599623	42.068 ug/ml
19) T n-Tetratriacontane (C34)	19.448	4764029	49.334 ug/ml
20) T n-Hexatriacontane (C36)	20.189	4572451	55.483 ug/ml
21) T n-Octatriacontane (C38)	20.956	4617534	61.789 ug/ml
22) T n-Tetracontane (C40)	21.918	4535065	64.040 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP/AJ
Sample : PB168812BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

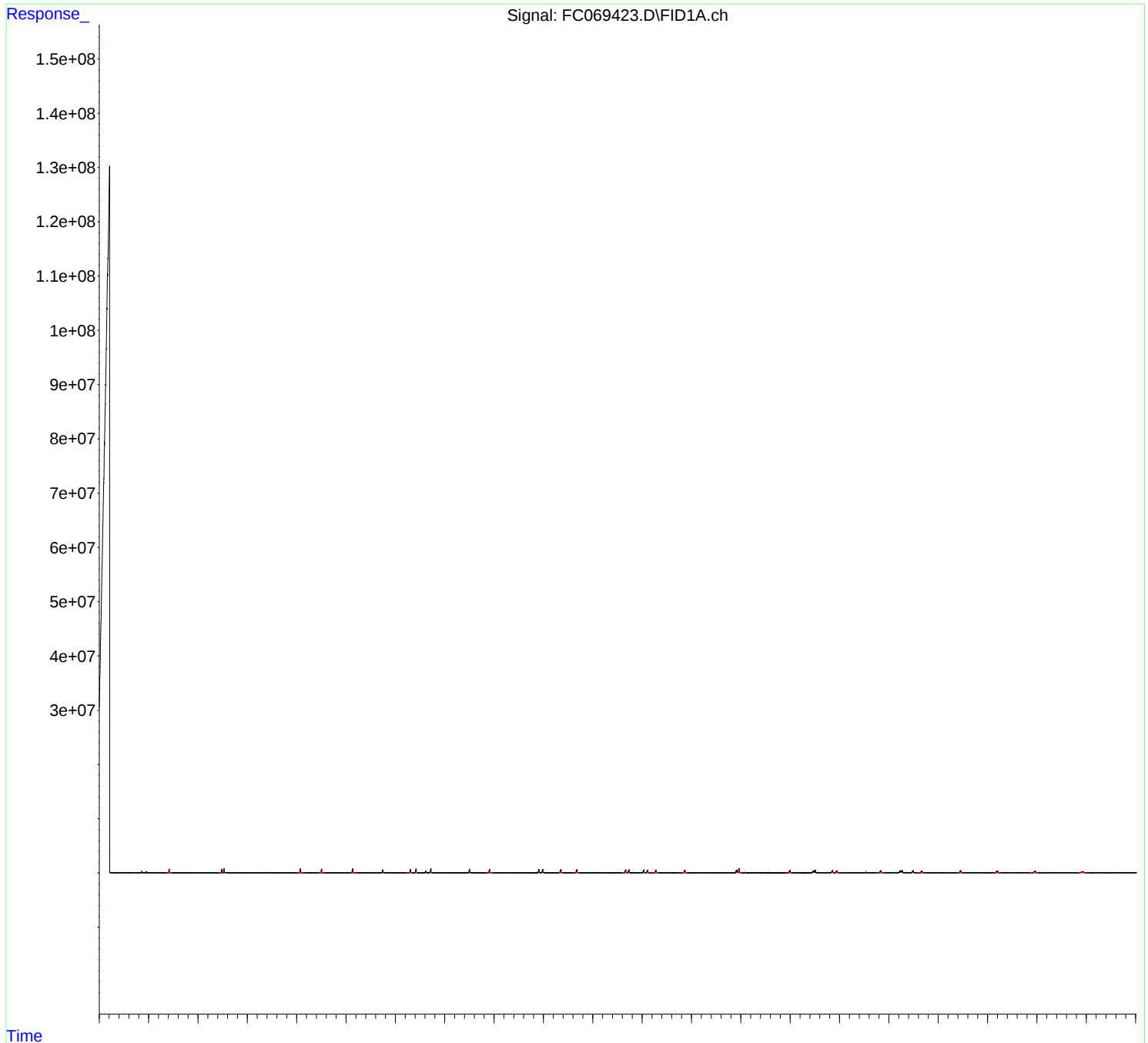
Instrument :
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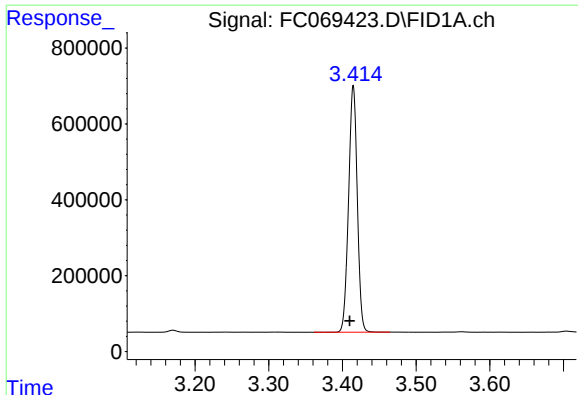
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#1 n-Nonane (C9)

R.T.: 3.415 min
Delta R.T.: 0.005 min
Response: 5331028
Conc: 37.48 ug/ml

Instrument :

FID_C

ClientSampleId :

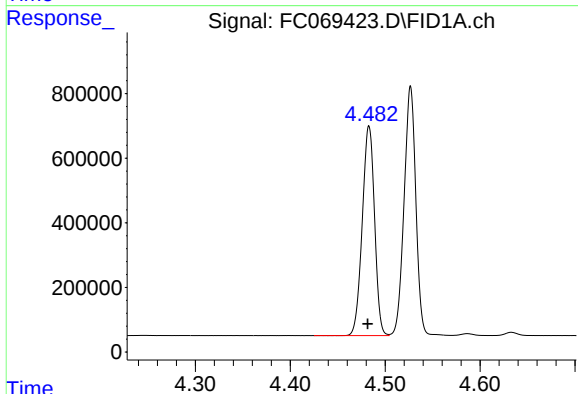
PB168812BSD

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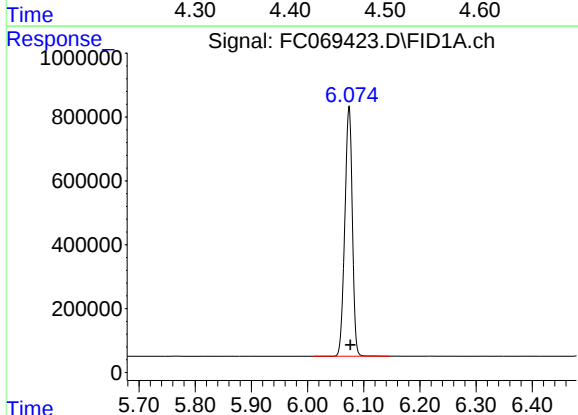
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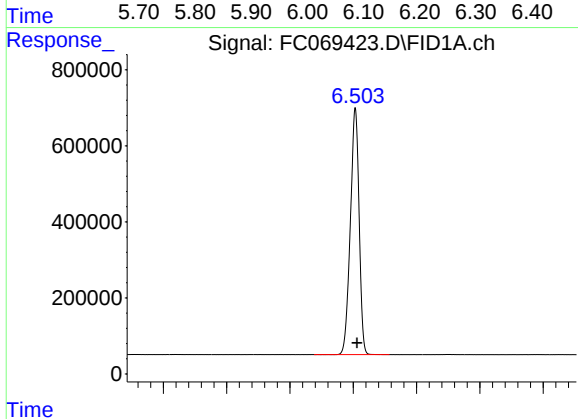
#2 n-Decane (C10)

R.T.: 4.483 min
Delta R.T.: 0.002 min
Response: 5831743
Conc: 39.84 ug/ml



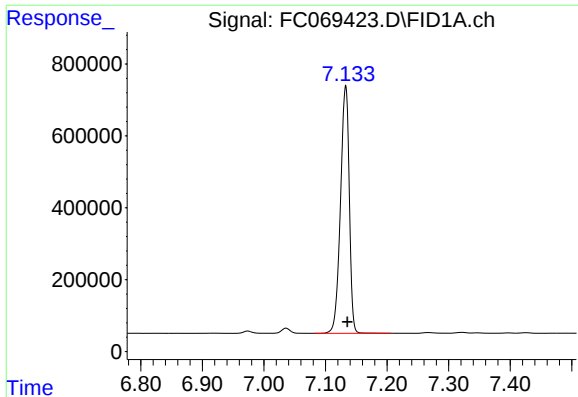
#3 A~Naphthalene (C11.7)

R.T.: 6.074 min
Delta R.T.: -0.003 min
Response: 7267042
Conc: 45.17 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.503 min
Delta R.T.: -0.003 min
Response: 6224956
Conc: 41.11 ug/ml



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

R.T.: 7.133 min
Delta R.T.: -0.003 min
Response: 6829353
Conc: 43.16 ug/ml

Instrument :

FID_C

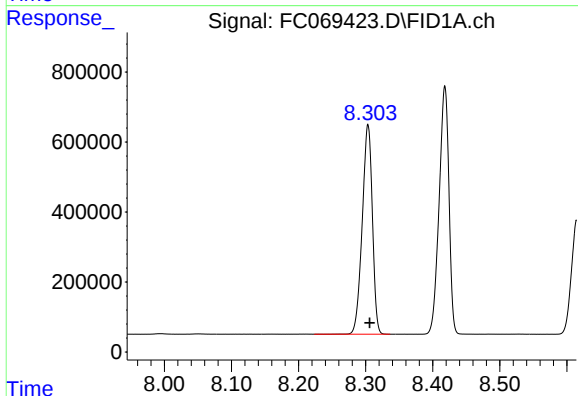
ClientSampleId :

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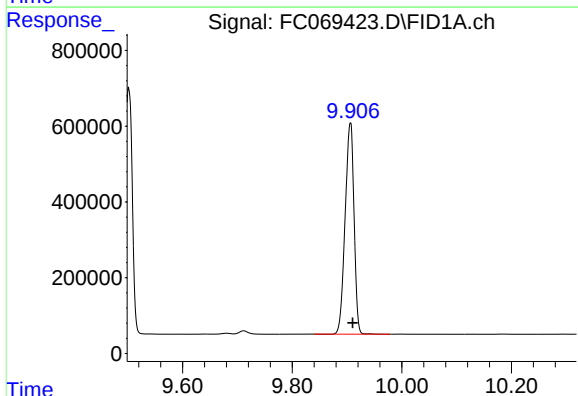
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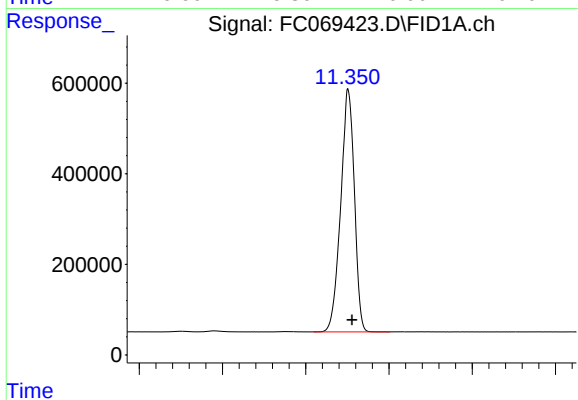
#6 n-Tetradecane (C14)

R.T.: 8.303 min
Delta R.T.: -0.003 min
Response: 6299017
Conc: 40.64 ug/ml



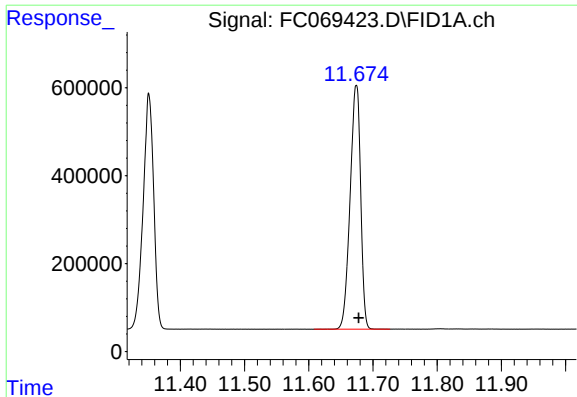
#7 n-Hexadecane (C16)

R.T.: 9.906 min
Delta R.T.: -0.005 min
Response: 6298659
Conc: 38.54 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.351 min
Delta R.T.: -0.004 min
Response: 6117604
Conc: 37.47 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 11.674 min
Delta R.T.: -0.004 min
Response: 6316886
Conc: 36.56 ug/ml

Instrument :

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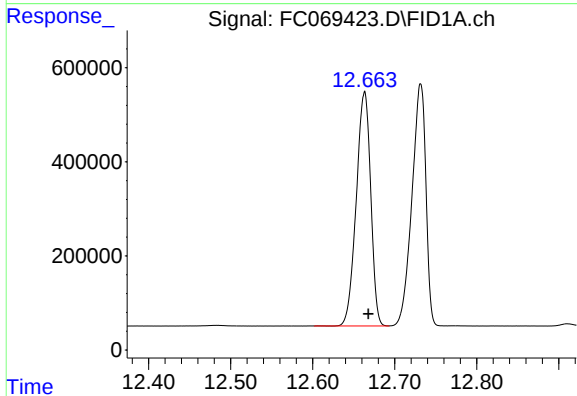
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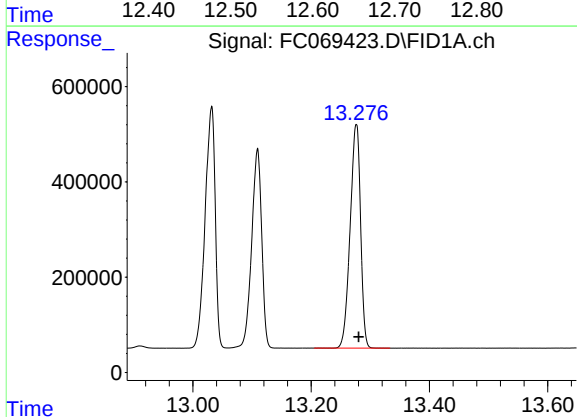
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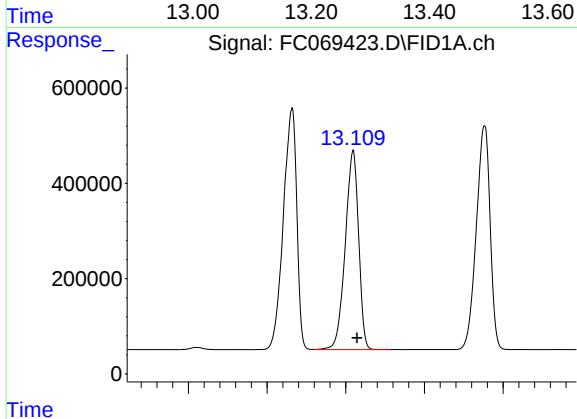
#10 n-Eicosane (C20)

R.T.: 12.663 min
Delta R.T.: -0.005 min
Response: 6087942
Conc: 39.88 ug/ml



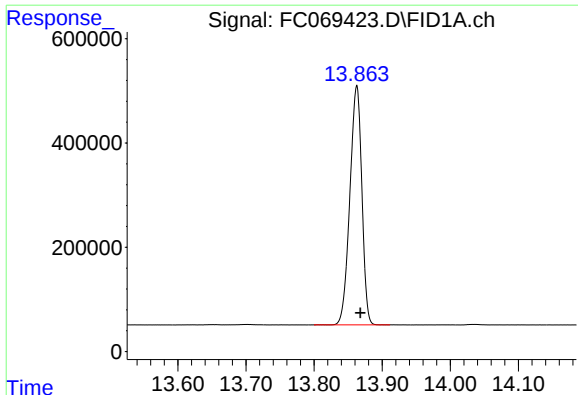
#11 n-Heneicosane (C21)

R.T.: 13.276 min
Delta R.T.: -0.005 min
Response: 5745300
Conc: 38.98 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.109 min
Delta R.T.: -0.005 min
Response: 4940526
Conc: 37.82 ug/ml



#13 n-Docosane (C22)

R.T.: 13.863 min
Delta R.T.: -0.006 min
Response: 5597403
Conc: 38.90 ug/ml

Instrument :

FID_C

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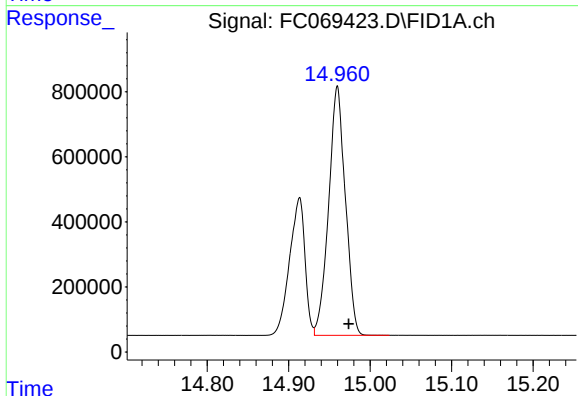
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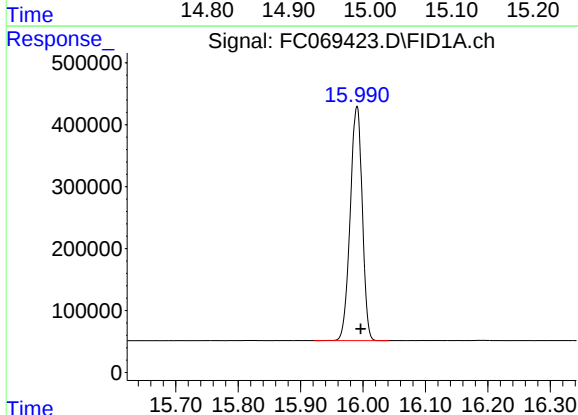
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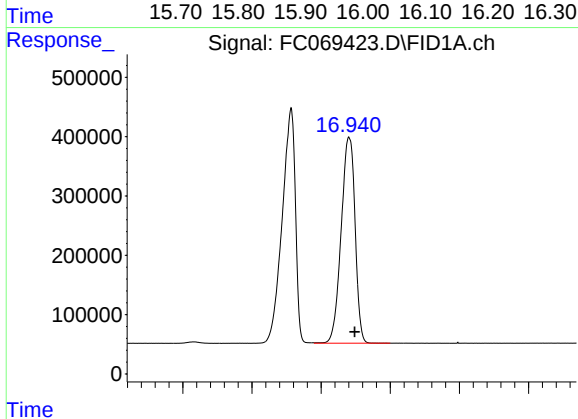
#14 n-Tetracosane (C24)

R.T.: 14.960 min
Delta R.T.: -0.014 min
Response: 10903963
Conc: 79.05 ug/ml



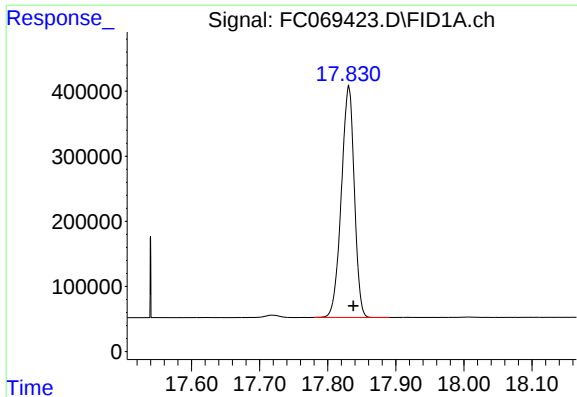
#15 n-Hexacosane (C26)

R.T.: 15.990 min
Delta R.T.: -0.007 min
Response: 5080625
Conc: 38.87 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.940 min
Delta R.T.: -0.008 min
Response: 4853270
Conc: 39.35 ug/ml



#17 n-Tricontane (C30)

R.T.: 17.831 min
Delta R.T.: -0.007 min
Response: 4711385
Conc: 39.63 ug/ml

Instrument :

FID_C

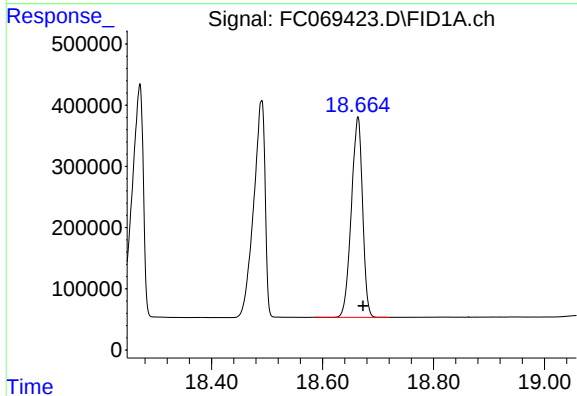
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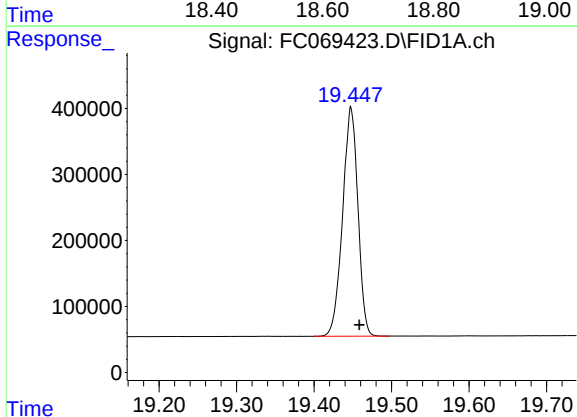
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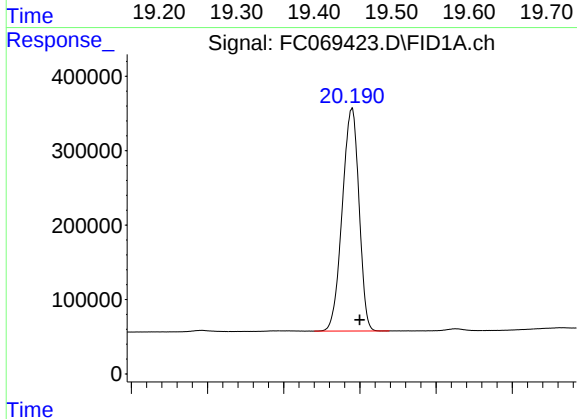
#18 n-Dotriacontane (C32)

R.T.: 18.664 min
Delta R.T.: -0.009 min
Response: 4599623
Conc: 42.07 ug/ml



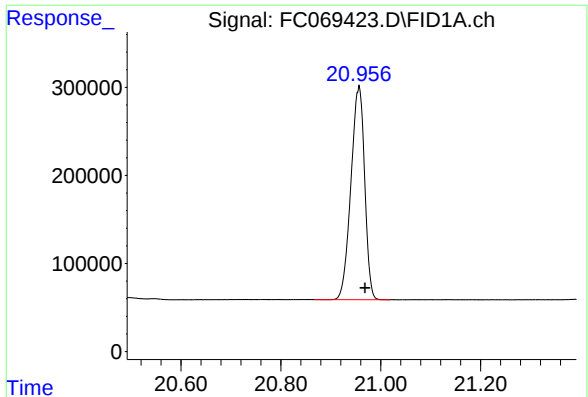
#19 n-Tetratriacontane (C34)

R.T.: 19.448 min
Delta R.T.: -0.010 min
Response: 4764029
Conc: 49.33 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.189 min
Delta R.T.: -0.010 min
Response: 4572451
Conc: 55.48 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.956 min
Delta R.T.: -0.013 min
Response: 4617534
Conc: 61.79 ug/ml

Instrument :

FID_C

ClientSampleId :

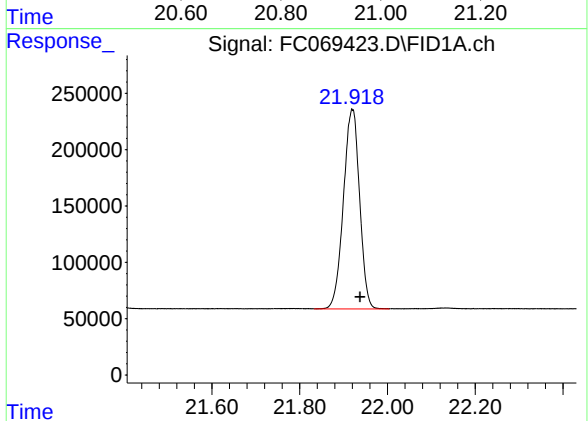
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#22 n-Tetracontane (C40)

R.T.: 21.918 min
Delta R.T.: -0.019 min
Response: 4535065
Conc: 64.04 ug/ml m