

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070125AL\
 Data File : FC069343.D
 Signal(s) : FID1A.ch
 Acq On : 01 Jul 2025 12:26
 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 07/02/2025
 Supervised By :mohammad ahmed 07/02/2025

Integration File: autoint1.e
 Quant Time: Jul 02 00:31:51 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)	11.676	3370679	19.511 ug/ml
Spiked Amount 50.000		Recovery =	39.02%
12) S 1-chlorooctadecane (S...	13.112	2552231	19.536 ug/ml
Spiked Amount 50.000		Recovery =	39.07%
Target Compounds			
1) T n-Nonane (C9)	3.406	3004154	21.123 ug/ml
2) T n-Decane (C10)	4.479	3095874	21.147 ug/ml
3) T A~Naphthalene (C11.7)	6.074	3405836	21.168 ug/ml
4) T n-Dodecane (C12)	6.504	3136541	20.714 ug/ml
5) T A~2-methylnaphthalene...	7.134	3296175	20.829 ug/ml
6) T n-Tetradecane (C14)	8.304	3138806	20.250 ug/ml
7) T n-Hexadecane (C16)	9.909	3196325	19.559 ug/ml
8) T n-Octadecane (C18)	11.353	3174821	19.445 ug/ml
10) T n-Eicosane (C20)	12.666	2987831	19.574 ug/ml
11) T n-Heneicosane (C21)	13.279	2902335	19.691 ug/ml
13) T n-Docosane (C22)	13.866	2863199	19.900 ug/ml
14) T n-Tetracosane (C24)	14.971	2771781	20.095 ug/ml
15) T n-Hexacosane (C26)	15.994	2636454	20.168 ug/ml
16) T n-Octacosane (C28)	16.945	2512792	20.375 ug/ml
17) T n-Tricontane (C30)	17.835	2492247	20.964 ug/ml
18) T n-Dotriacontane (C32)	18.669	2337893	21.382 ug/ml
19) T n-Tetratriacontane (C34)	19.453	2104314	21.791 ug/ml
20) T n-Hexatriacontane (C36)	20.194	1817854	22.058 ug/ml
21) T n-Octatriacontane (C38)	20.963	1660858	22.225 ug/ml
22) T n-Tetracontane (C40)	21.928	1577967	22.283 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

```
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Signal(s) : FID1A.ch  
Acq On    : 01 Jul 2025  12:26  
Operator  : YP/AJ  
Sample    : 20 PPM ALIPHATIC HC STD  
Misc      :  
ALS Vial  : 2    Sample Multiplier: 1
```

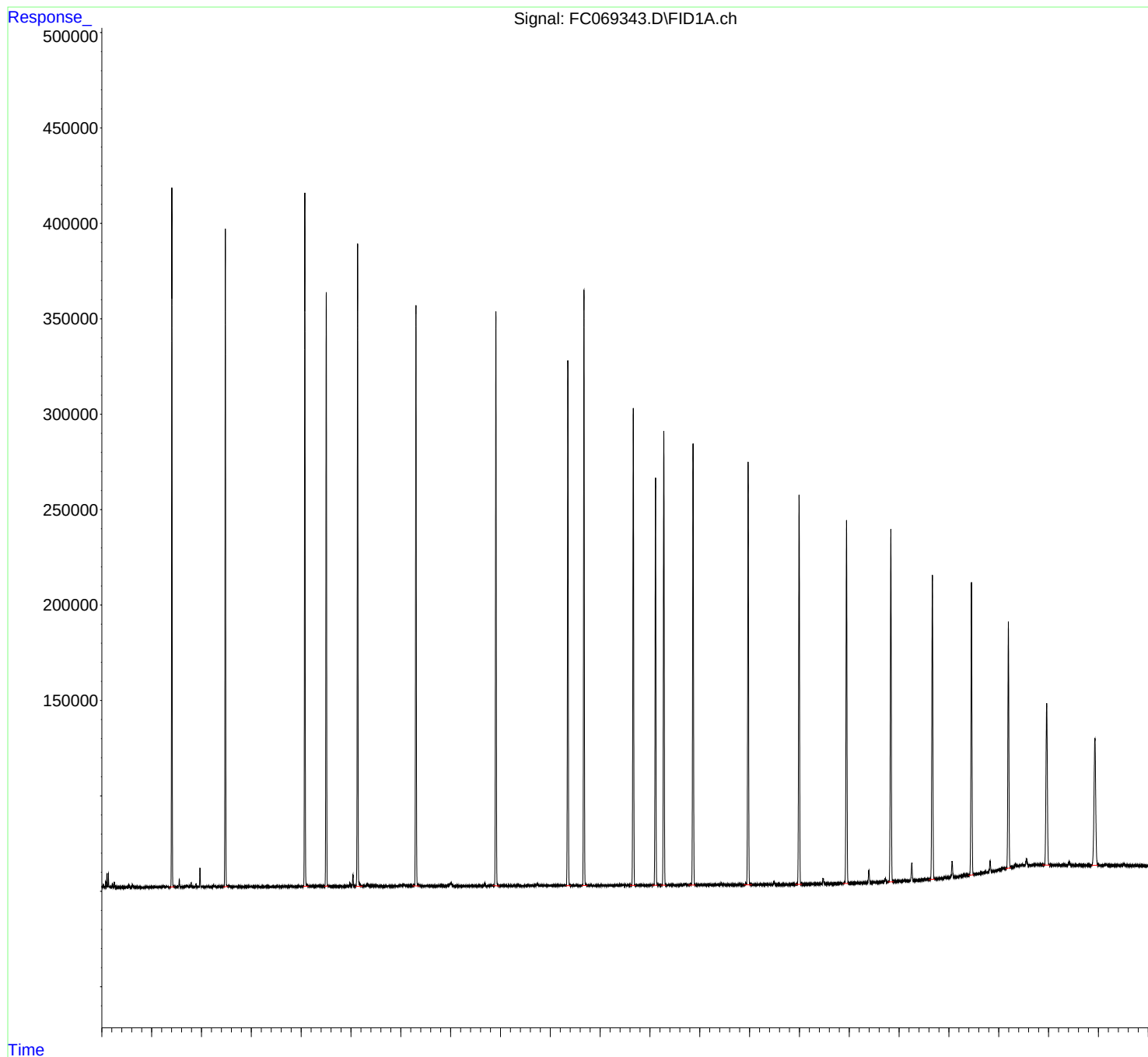
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

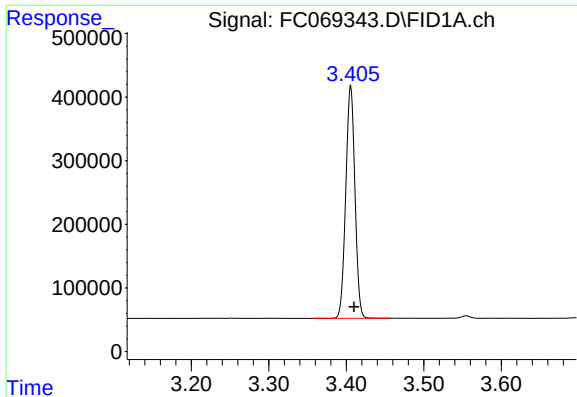
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Quant Time: Jul 02 00:31:51 2025
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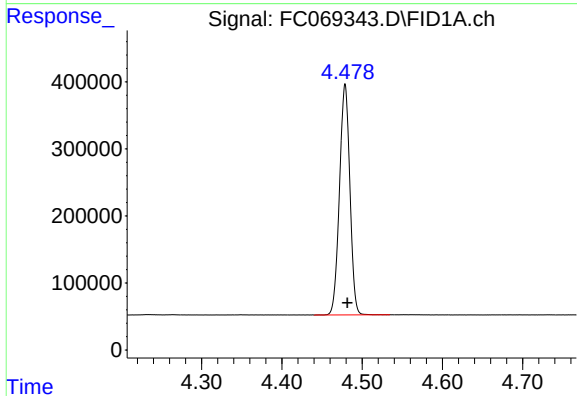
#1 n-Nonane (C9)

R.T.: 3.406 min
Delta R.T.: -0.004 min
Response: 3004154
Conc: 21.12 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

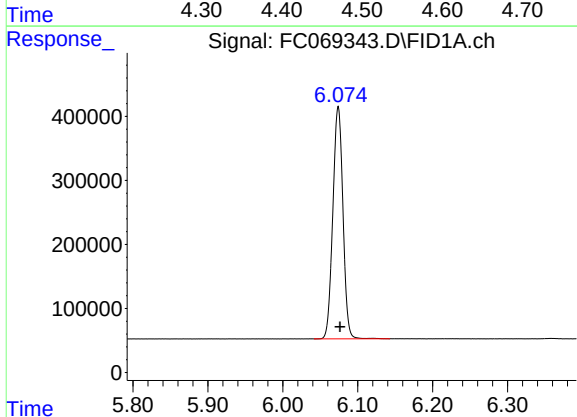
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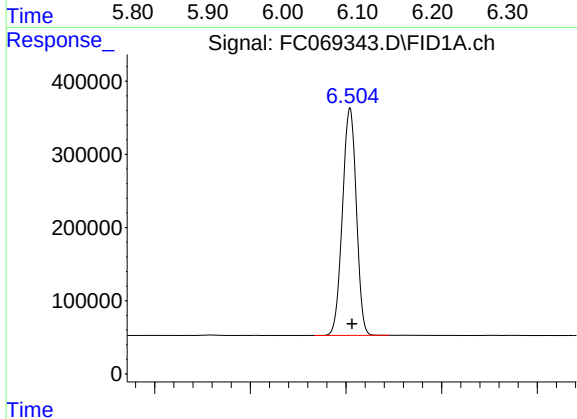
#2 n-Decane (C10)

R.T.: 4.479 min
Delta R.T.: -0.003 min
Response: 3095874
Conc: 21.15 ug/ml



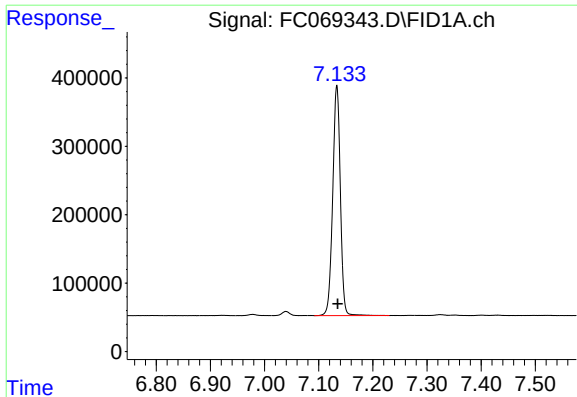
#3 A~Naphthalene (C11.7)

R.T.: 6.074 min
Delta R.T.: -0.002 min
Response: 3405836
Conc: 21.17 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.504 min
Delta R.T.: -0.002 min
Response: 3136541
Conc: 20.71 ug/ml



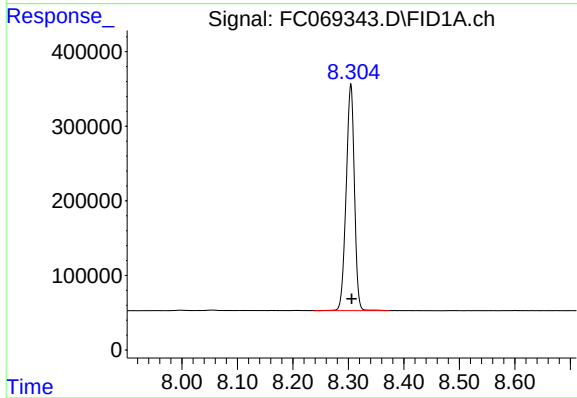
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.134 min
Delta R.T.: -0.002 min
Response: 3296175
Conc: 20.83 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

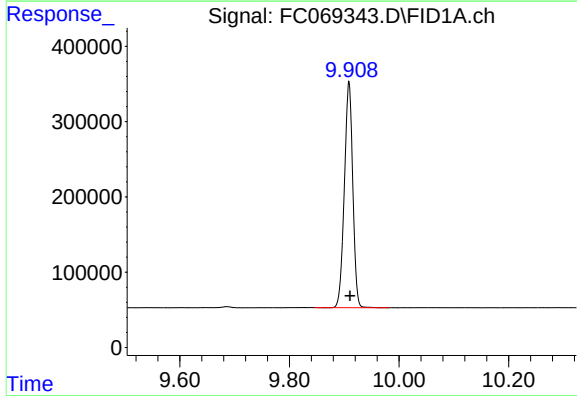
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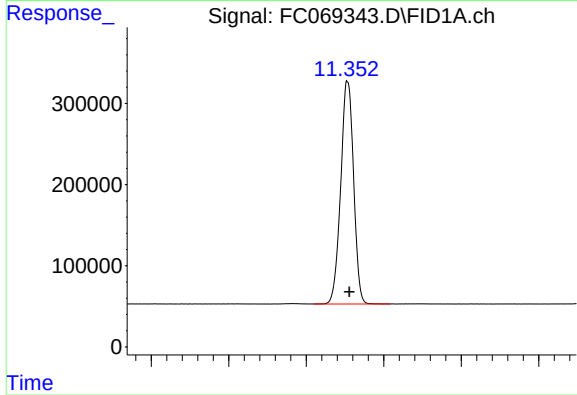
#6 n-Tetradecane (C14)

R.T.: 8.304 min
Delta R.T.: -0.002 min
Response: 3138806
Conc: 20.25 ug/ml



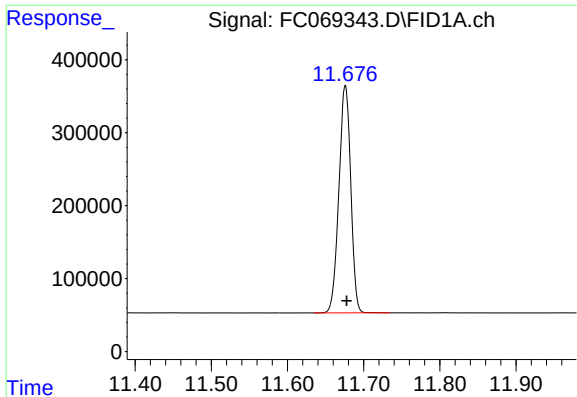
#7 n-Hexadecane (C16)

R.T.: 9.909 min
Delta R.T.: -0.002 min
Response: 3196325
Conc: 19.56 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.353 min
Delta R.T.: -0.002 min
Response: 3174821
Conc: 19.45 ug/ml



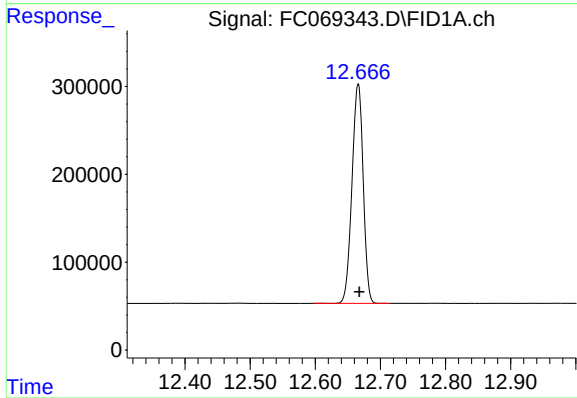
#9 ortho-Terphenyl (SURR)

R.T.: 11.676 min
Delta R.T.: -0.002 min
Response: 3370679
Conc: 19.51 ug/ml

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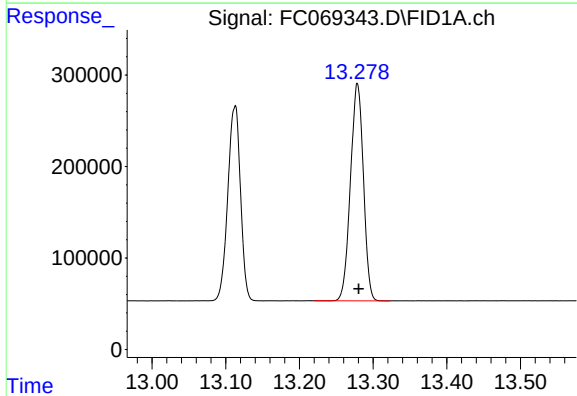
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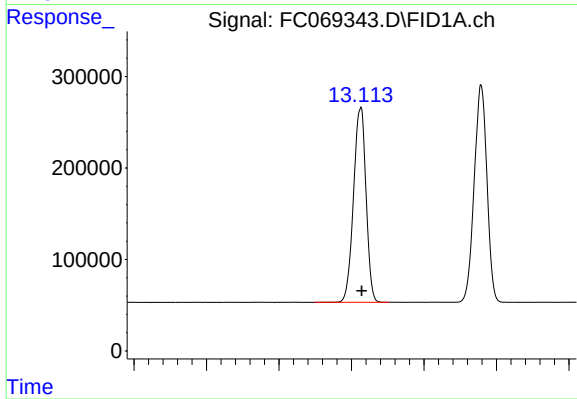
#10 n-Eicosane (C20)

R.T.: 12.666 min
Delta R.T.: -0.002 min
Response: 2987831
Conc: 19.57 ug/ml



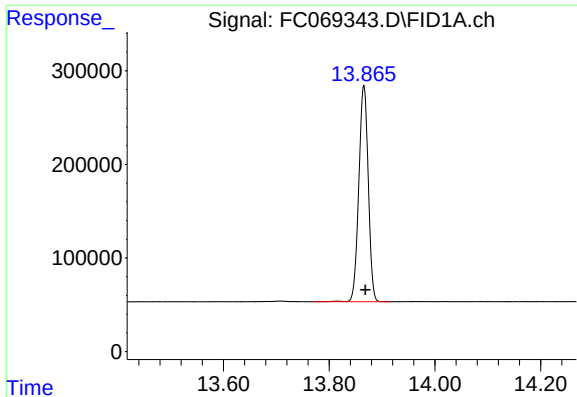
#11 n-Heneicosane (C21)

R.T.: 13.279 min
Delta R.T.: -0.002 min
Response: 2902335
Conc: 19.69 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.112 min
Delta R.T.: -0.002 min
Response: 2552231
Conc: 19.54 ug/ml



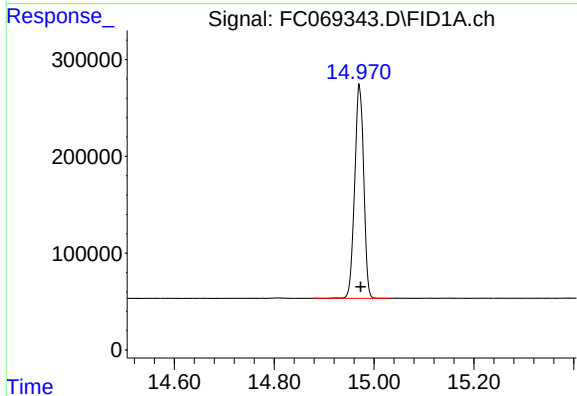
#13 n-Docosane (C22)

R.T.: 13.866 min
Delta R.T.: -0.003 min
Response: 2863199
Conc: 19.90 ug/ml

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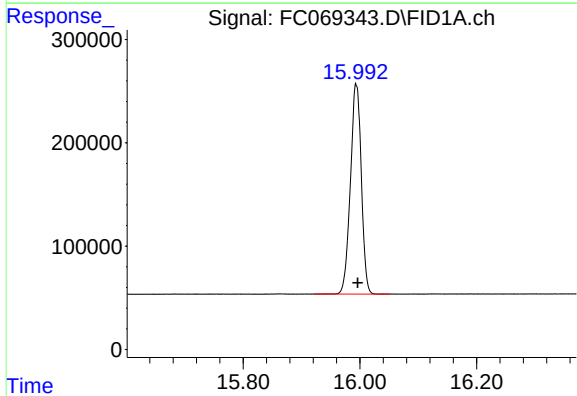
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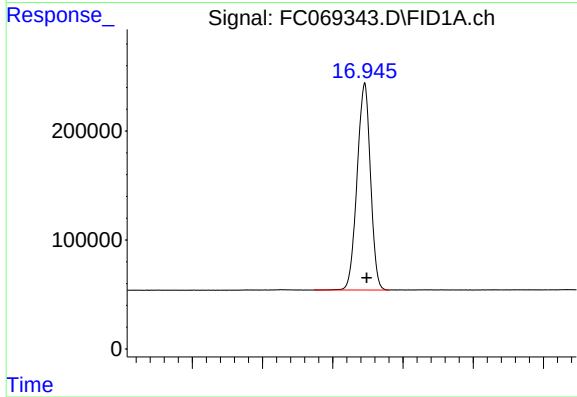
#14 n-Tetracosane (C24)

R.T.: 14.971 min
Delta R.T.: -0.003 min
Response: 2771781
Conc: 20.10 ug/ml



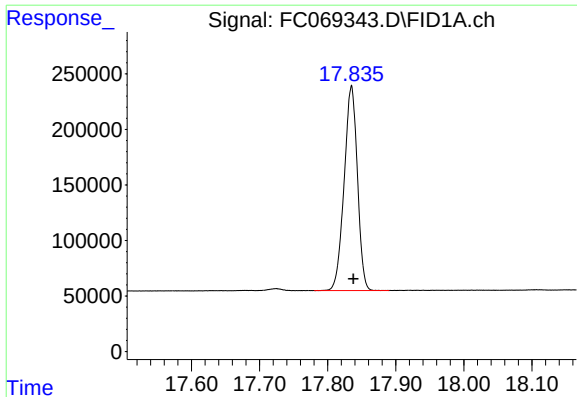
#15 n-Hexacosane (C26)

R.T.: 15.994 min
Delta R.T.: -0.003 min
Response: 2636454
Conc: 20.17 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.945 min
Delta R.T.: -0.003 min
Response: 2512792
Conc: 20.37 ug/ml



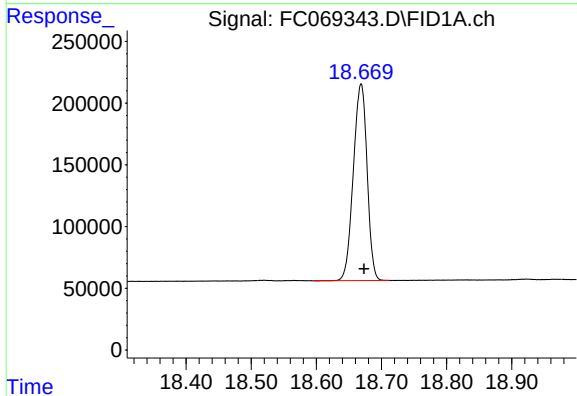
#17 n-Tricontane (C30)

R.T.: 17.835 min
Delta R.T.: -0.003 min
Response: 2492247
Conc: 20.96 ug/ml

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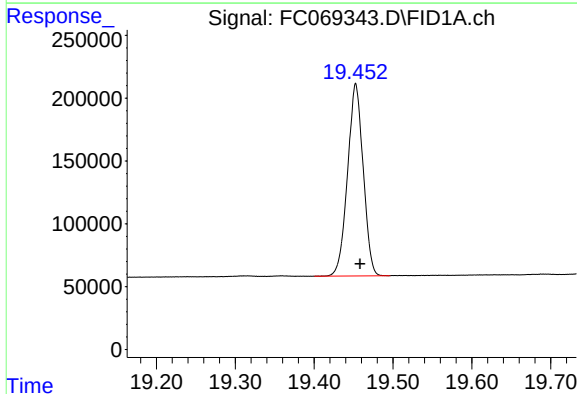
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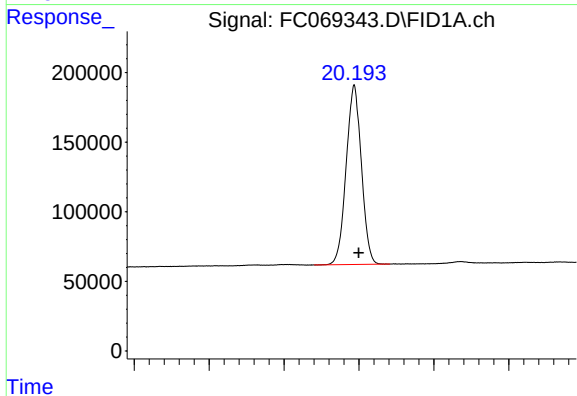
#18 n-Dotriacontane (C32)

R.T.: 18.669 min
Delta R.T.: -0.004 min
Response: 2337893
Conc: 21.38 ug/ml



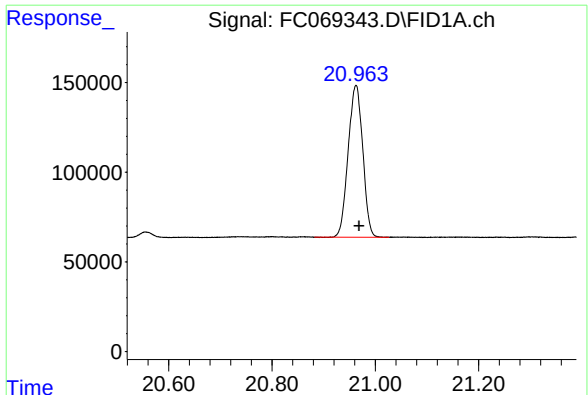
#19 n-Tetratriacontane (C34)

R.T.: 19.453 min
Delta R.T.: -0.005 min
Response: 2104314
Conc: 21.79 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.194 min
Delta R.T.: -0.006 min
Response: 1817854
Conc: 22.06 ug/ml



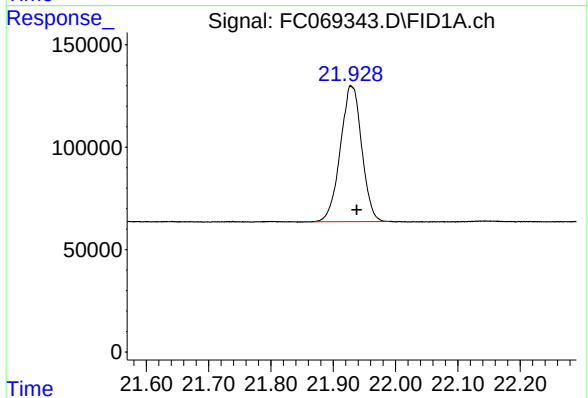
#21 n-Octatriacontane (C38)

R.T.: 20.963 min
Delta R.T.: -0.006 min
Response: 1660858
Conc: 22.22 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.928 min
Delta R.T.: -0.009 min
Response: 1577967
Conc: 22.28 ug/ml m