

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091522AL\
 Data File : FE037585.D
 Signal(s) : FID1B.ch
 Acq On : 15 Sep 2022 12:28
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/16/2022
 Supervised By :Ankita Jodhani 09/16/2022

Integration File: autoint1.e
 Quant Time: Sep 15 13:52:57 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 082922.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 30 06:54:11 2022
 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)	11.625	2738099	16.202 ug/ml
Spiked Amount 50.000		Recovery =	32.40%
12) S 1-chlorooctadecane (S...	13.048	2100651	16.322 ug/ml
Spiked Amount 50.000		Recovery =	32.64%
Target Compounds			
1) T n-Nonane (C9)	3.023	2413794	15.776 ug/ml
2) T n-Decane (C10)	4.280	2554393	16.568 ug/ml
3) T A~Naphthalene (C11.7)	5.997	2474410	17.175 ug/ml
4) T n-Dodecane (C12)	6.452	2651946	16.770 ug/ml
5) T A~2-methylnaphthalene...	7.089	2527581	18.104 ug/ml
6) T n-Tetradecane (C14)	9.870	2686318	16.953 ug/ml
7) T n-Hexadecane (C16)	9.870	2686318	16.953 ug/ml
8) T n-Octadecane (C18)	11.304	2668351	16.756 ug/ml
10) T n-Eicosane (C20)	12.606	2591023	16.376 ug/ml
11) T n-Heneicosane (C21)	13.213	2549432	16.167 ug/ml
13) T n-Docosane (C22)	13.796	2504657	16.090 ug/ml
14) T n-Tetracosane (C24)	14.893	2428423	16.146 ug/ml
15) T n-Hexacosane (C26)	15.908	2375494	16.405 ug/ml
16) T n-Octacosane (C28)	16.853	2420672	17.473 ug/ml
17) T n-Tricontane (C30)	17.736	2773329	20.387 ug/ml
18) T n-Dotriacontane (C32)	18.565	2986304	22.364 ug/ml
19) T n-Tetratriacontane (C34)	19.343	2845674	22.491 ug/ml
20) T n-Hexatriacontane (C36)	20.077	2729055	21.219 ug/mlm
21) T n-Octatriacontane (C38)	20.775	2624055	21.084 ug/mlm
22) T n-Tetracontane (C40)	21.551	2609708	20.244 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

```
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Signal(s) : FID1B.ch  
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Operator  : YP\AJ  
Sample    : 20 PPM ALIPHATIC HC STD  
Misc      :  
ALS Vial  : 5      Sample Multiplier: 1
```

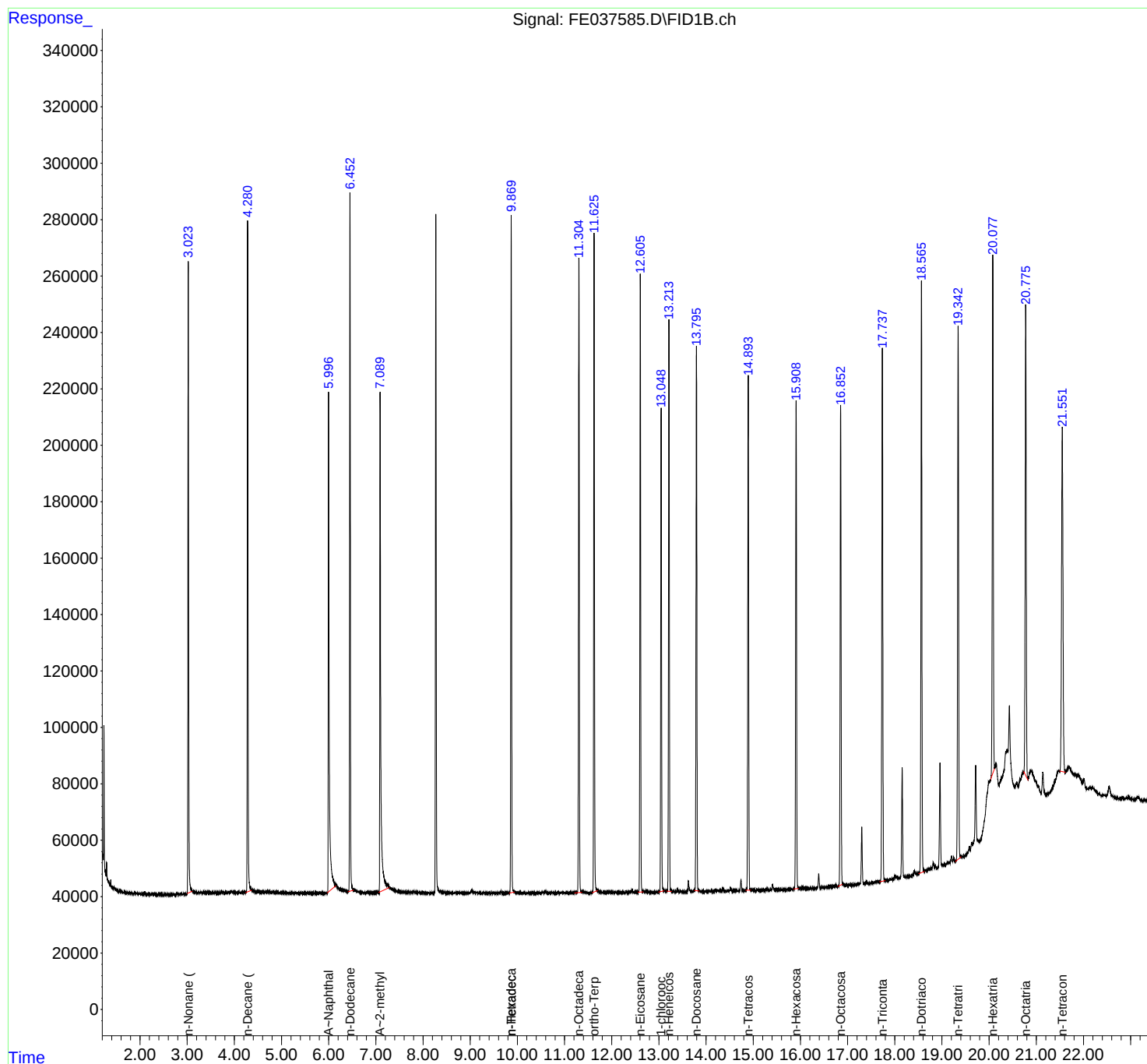
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

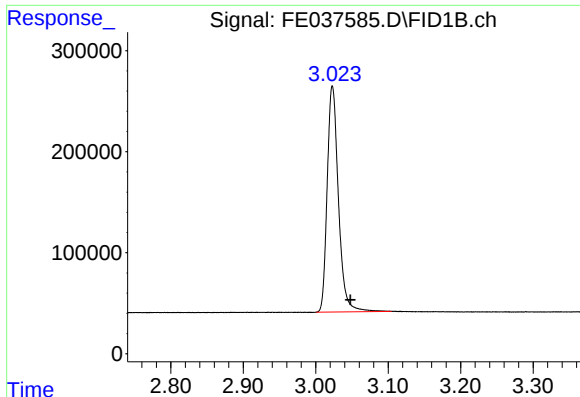
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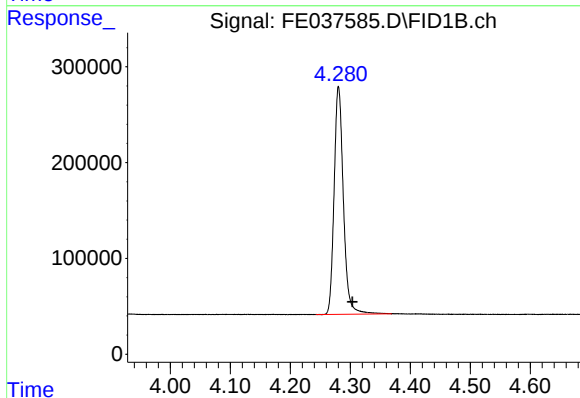
#1 n-Nonane (C9)

R.T.: 3.023 min
Delta R.T.: -0.025 min
Response: 2413794
Conc: 15.78 ug/ml

Instrument :
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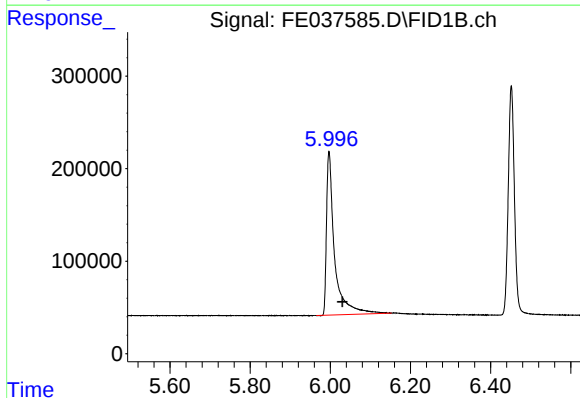
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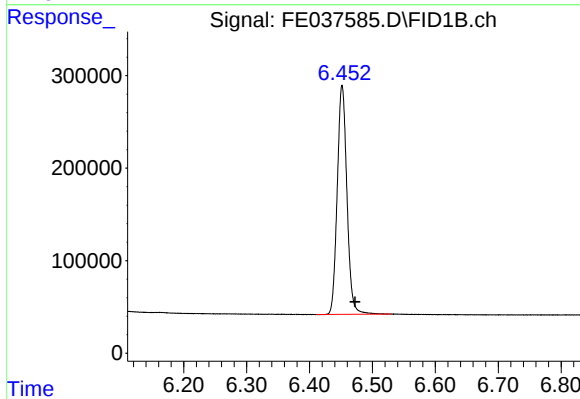
#2 n-Decane (C10)

R.T.: 4.280 min
Delta R.T.: -0.023 min
Response: 2554393
Conc: 16.57 ug/ml



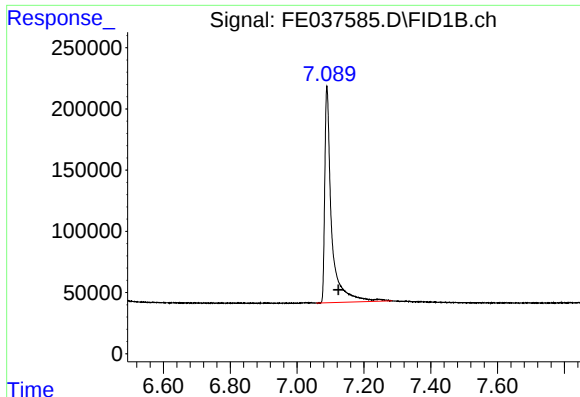
#3 A~Naphthalene (C11.7)

R.T.: 5.997 min
Delta R.T.: -0.034 min
Response: 2474410
Conc: 17.17 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.452 min
Delta R.T.: -0.021 min
Response: 2651946
Conc: 16.77 ug/ml



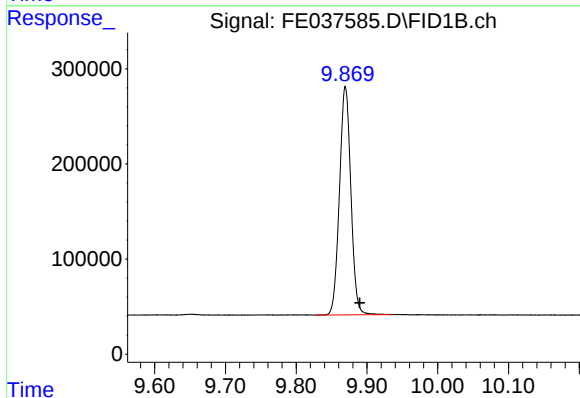
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.089 min
Delta R.T.: -0.034 min
Response: 2527581
Conc: 18.10 ug/ml

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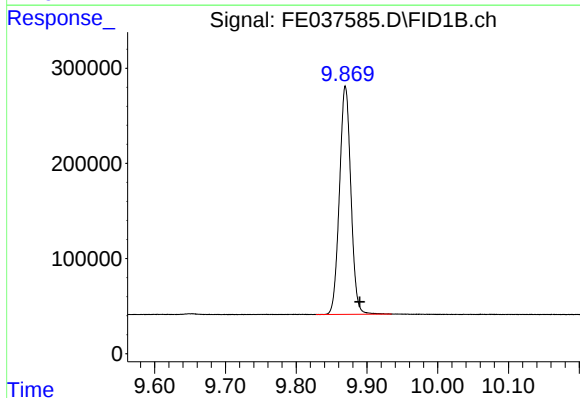
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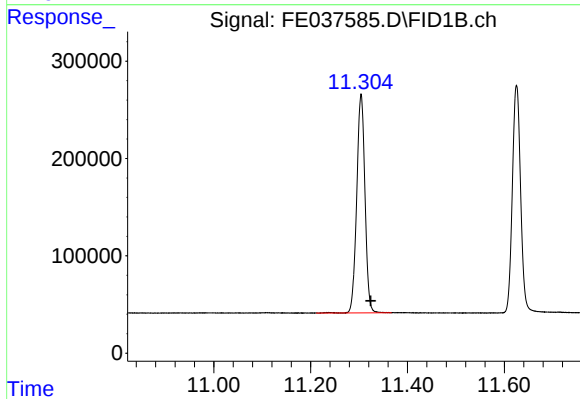
#6 n-Tetradecane (C14)

R.T.: 9.870 min
Delta R.T.: -0.020 min
Response: 2686318
Conc: 16.95 ug/ml



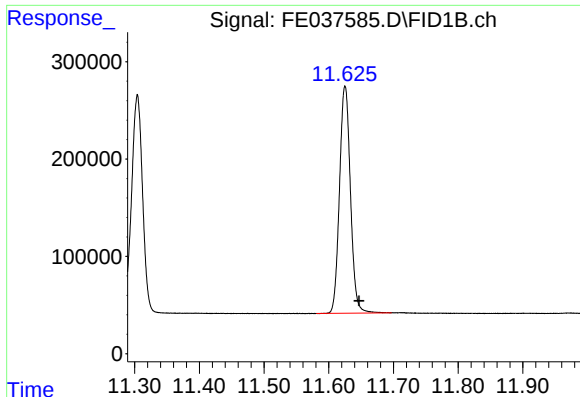
#7 n-Hexadecane (C16)

R.T.: 9.870 min
Delta R.T.: -0.020 min
Response: 2686318
Conc: 16.95 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.304 min
Delta R.T.: -0.020 min
Response: 2668351
Conc: 16.76 ug/ml



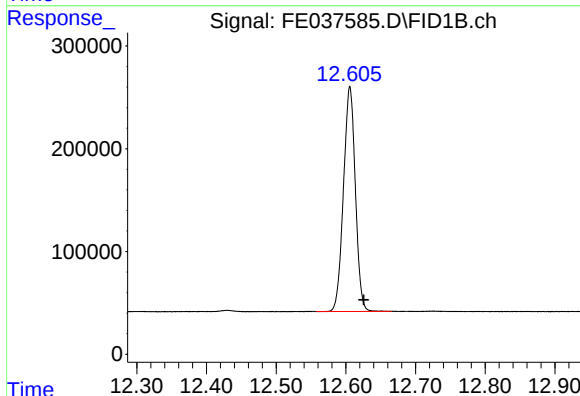
#9 ortho-Terphenyl (SURR)

R.T.: 11.625 min
Delta R.T.: -0.022 min
Response: 2738099
Conc: 16.20 ug/ml

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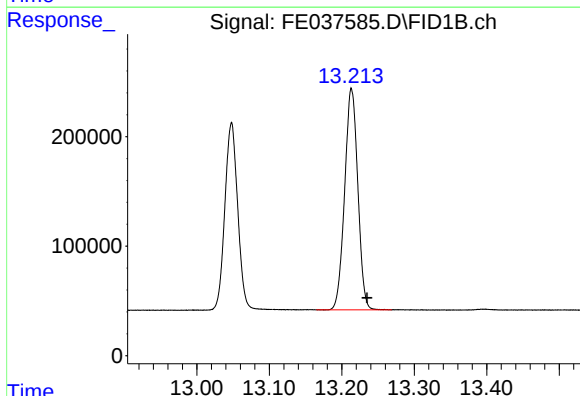
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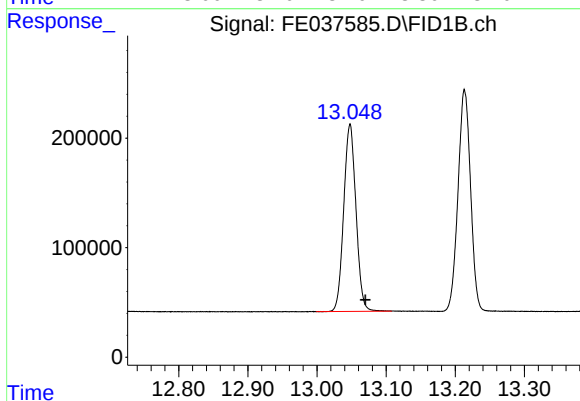
#10 n-Eicosane (C20)

R.T.: 12.606 min
Delta R.T.: -0.020 min
Response: 2591023
Conc: 16.38 ug/ml



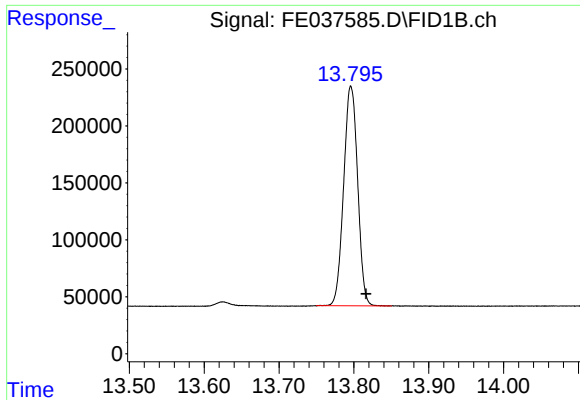
#11 n-Heneicosane (C21)

R.T.: 13.213 min
Delta R.T.: -0.021 min
Response: 2549432
Conc: 16.17 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.048 min
Delta R.T.: -0.022 min
Response: 2100651
Conc: 16.32 ug/ml



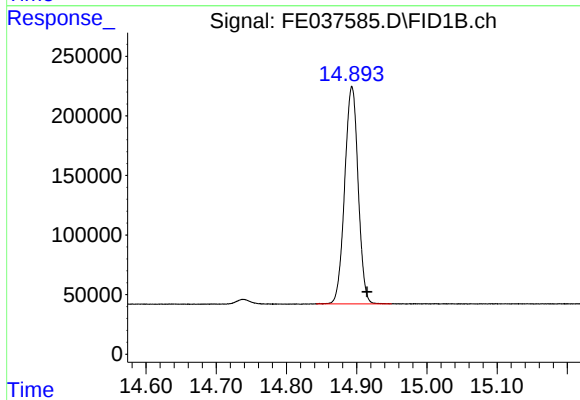
#13 n-Docosane (C22)

R.T.: 13.796 min
Delta R.T.: -0.020 min
Response: 2504657
Conc: 16.09 ug/ml

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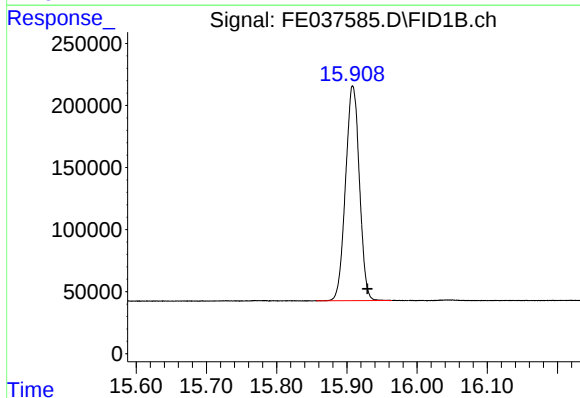
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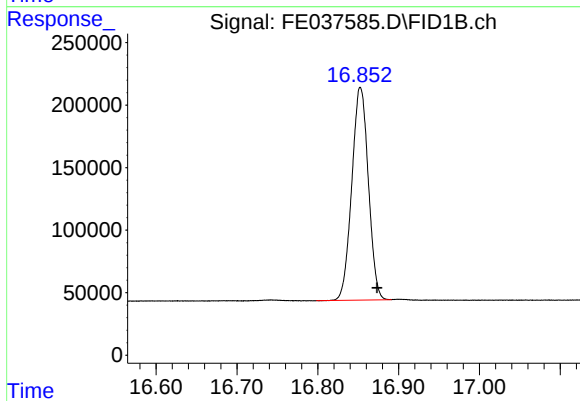
#14 n-Tetracosane (C24)

R.T.: 14.893 min
Delta R.T.: -0.021 min
Response: 2428423
Conc: 16.15 ug/ml



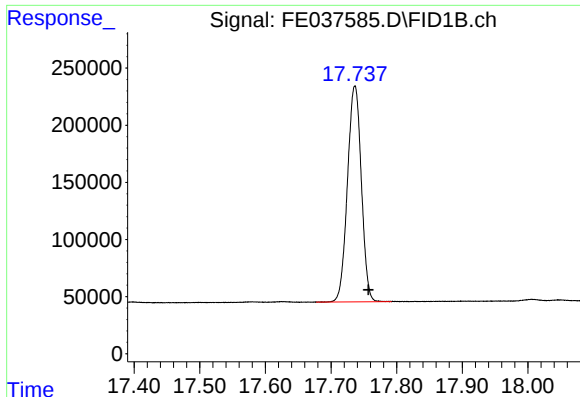
#15 n-Hexacosane (C26)

R.T.: 15.908 min
Delta R.T.: -0.021 min
Response: 2375494
Conc: 16.40 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.853 min
Delta R.T.: -0.021 min
Response: 2420672
Conc: 17.47 ug/ml



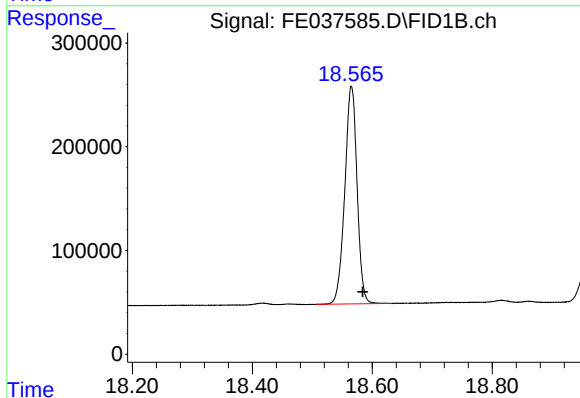
#17 n-Tricontane (C30)

R.T.: 17.736 min
Delta R.T.: -0.020 min
Response: 2773329
Conc: 20.39 ug/ml

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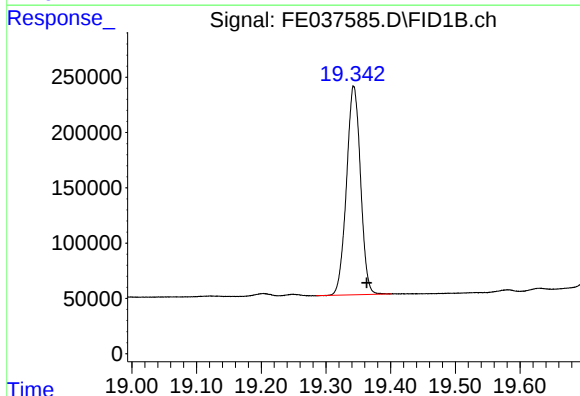
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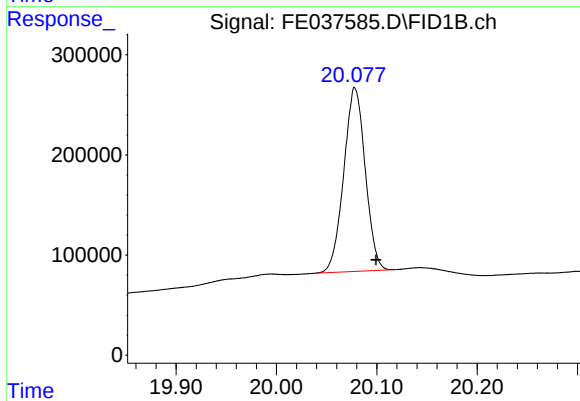
#18 n-Dotriacontane (C32)

R.T.: 18.565 min
Delta R.T.: -0.019 min
Response: 2986304
Conc: 22.36 ug/ml



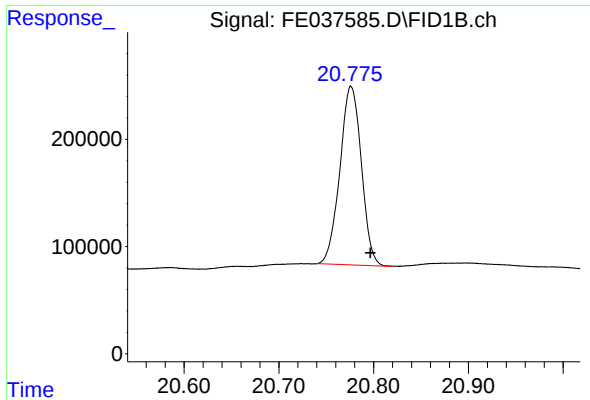
#19 n-Tetratriacontane (C34)

R.T.: 19.343 min
Delta R.T.: -0.020 min
Response: 2845674
Conc: 22.49 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.077 min
Delta R.T.: -0.022 min
Response: 2729055
Conc: 21.22 ug/ml m



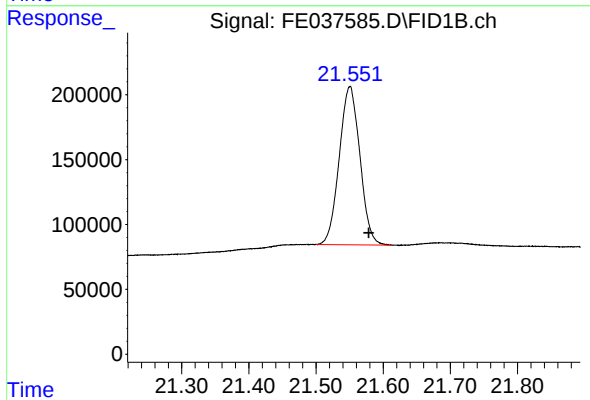
#21 n-Octatriacontane (C38)

R.T.: 20.775 min
Delta R.T.: -0.021 min
Response: 2624055
Conc: 21.08 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.551 min
Delta R.T.: -0.027 min
Response: 2609708
Conc: 20.24 ug/ml m