

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052825AL\
 Data File : FC069038.D
 Signal(s) : FID1A.ch
 Acq On : 28 May 2025 19:09
 Operator : YP/AJ
 Sample : Q2125-05MS
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

GSB5MS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 05/29/2025

Supervised By :mohammad ahmed 05/30/2025

Integration File: autoint1.e

Quant Time: May 29 07:41:05 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M

Quant Title : GC Extractables

QLast Update : Tue May 27 01:48:55 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)	11.709	3773295	30.592 ug/ml
Spiked Amount 50.000		Recovery =	61.18%
12) S 1-chlorooctadecane (S...	13.140	2799762	31.208 ug/ml
Spiked Amount 50.000		Recovery =	62.42%
Target Compounds			
1) T n-Nonane (C9)	3.451	3569739	33.638 ug/ml
2) T n-Decane (C10)	4.521	3690309	34.845 ug/ml
3) T A~Naphthalene (C11.7)	6.114	4426621	38.281 ug/ml
4) T n-Dodecane (C12)	6.542	3909824	37.193 ug/ml
5) T A~2-methylnaphthalene...	7.172	4478930	39.507 ug/ml
6) T n-Tetradecane (C14)	8.340	4404735	42.972 ug/ml
7) T n-Hexadecane (C16)	9.942	4726012	46.577 ug/mlm
8) T n-Octadecane (C18)	11.384	3412771	34.147 ug/mlm
10) T n-Eicosane (C20)	12.694	3604500	37.008 ug/ml
11) T n-Heneicosane (C21)	13.307	3188150	33.123 ug/ml
13) T n-Docosane (C22)	13.892	3140077	32.960 ug/ml
14) T n-Tetracosane (C24)	14.988	6657266	70.707 ug/ml
15) T n-Hexacosane (C26)	16.020	3069089	33.057 ug/ml
16) T n-Octacosane (C28)	16.969	3047628	32.787 ug/ml
17) T n-Tricontane (C30)	17.859	3062302	31.649 ug/ml
18) T n-Dotriacontane (C32)	18.692	3108737	31.370 ug/ml
19) T n-Tetratriacontane (C34)	19.478	3276209	33.993 ug/ml
20) T n-Hexatriacontane (C36)	20.218	3271482	34.462 ug/ml
21) T n-Octatriacontane (C38)	20.990	3383494	37.086 ug/ml
22) T n-Tetracontane (C40)	21.967	3336253	37.811 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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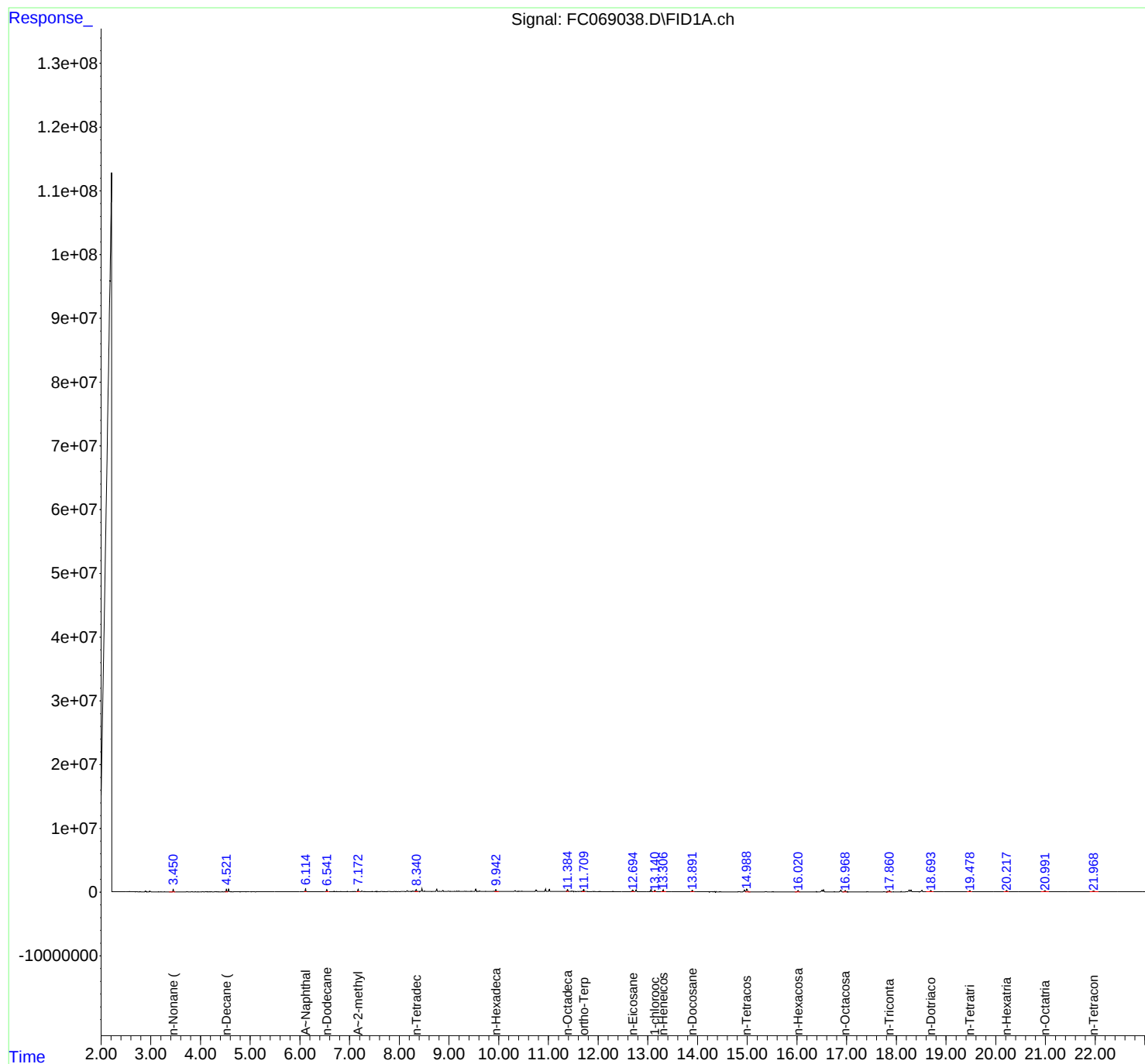
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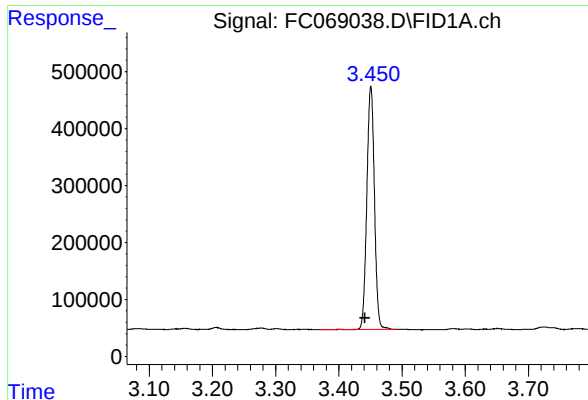
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Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 3.451 min
Delta R.T.: 0.010 min
Response: 3569739
Conc: 33.64 ug/ml

Instrument :

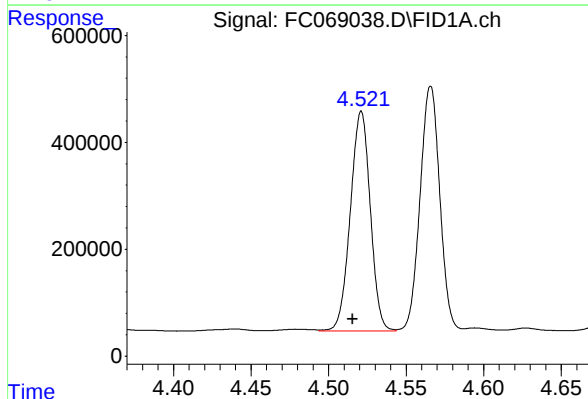
FID_C

ClientSampleId :

GSB5MS

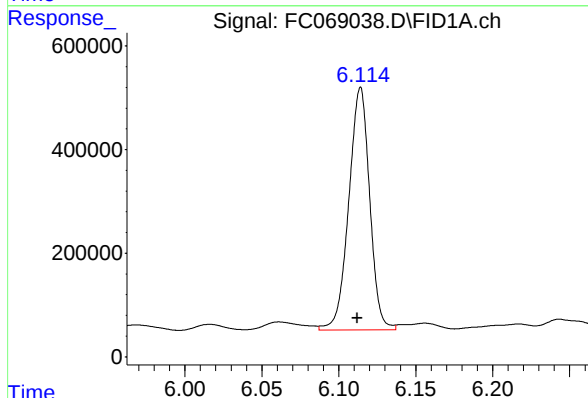
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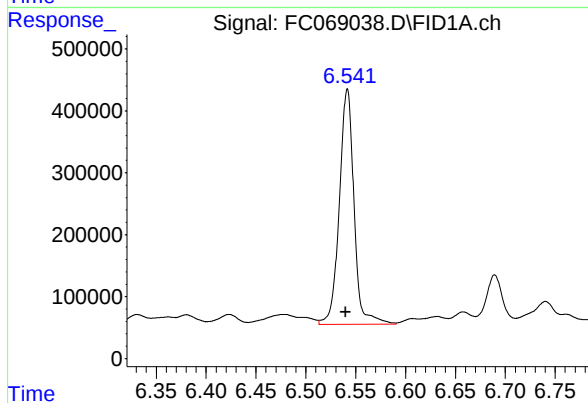
#2 n-Decane (C10)

R.T.: 4.521 min
Delta R.T.: 0.005 min
Response: 3690309
Conc: 34.84 ug/ml



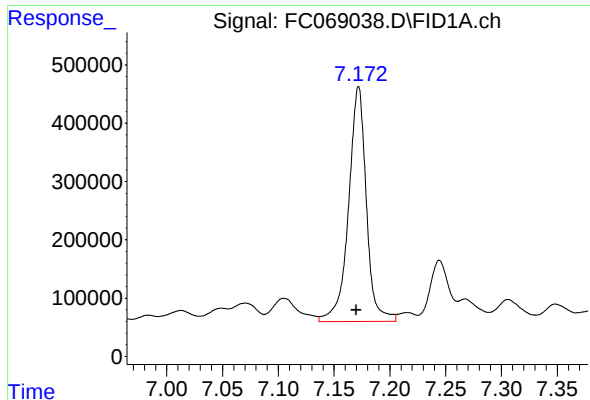
#3 A~Naphthalene (C11.7)

R.T.: 6.114 min
Delta R.T.: 0.002 min
Response: 4426621
Conc: 38.28 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.542 min
Delta R.T.: 0.002 min
Response: 3909824
Conc: 37.19 ug/ml



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

R.T.: 7.172 min
Delta R.T.: 0.002 min
Response: 4478930
Conc: 39.51 ug/ml

Instrument :

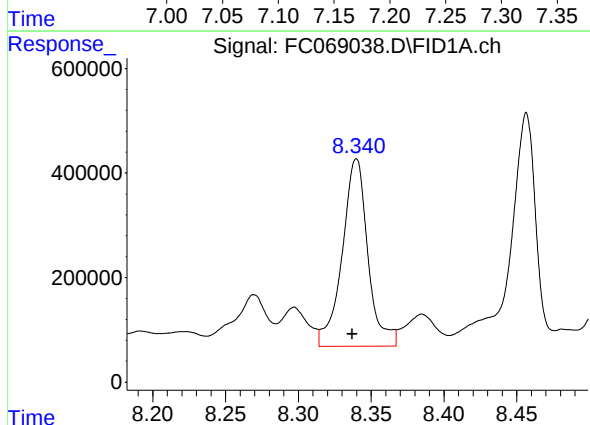
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ClientSampleId :

GSB5MS

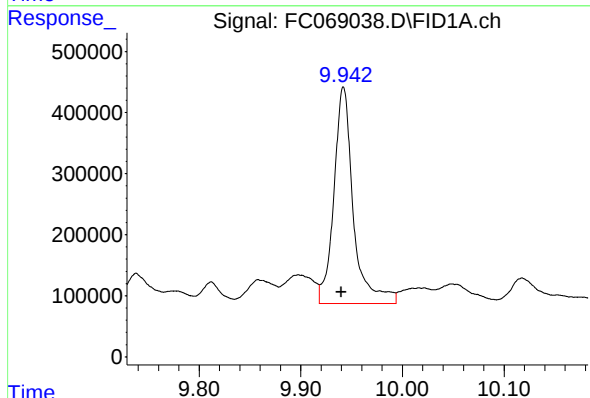
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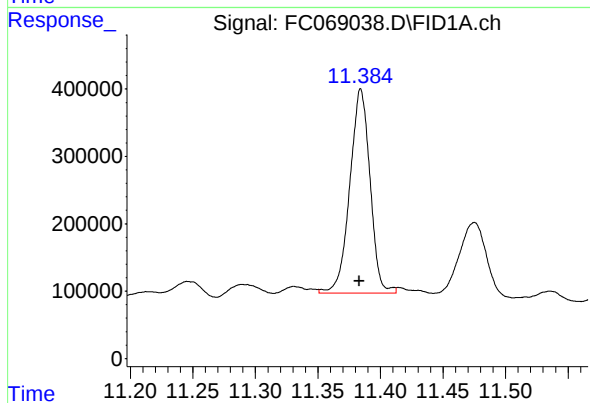
#6 n-Tetradecane (C14)

R.T.: 8.340 min
Delta R.T.: 0.003 min
Response: 4404735
Conc: 42.97 ug/ml



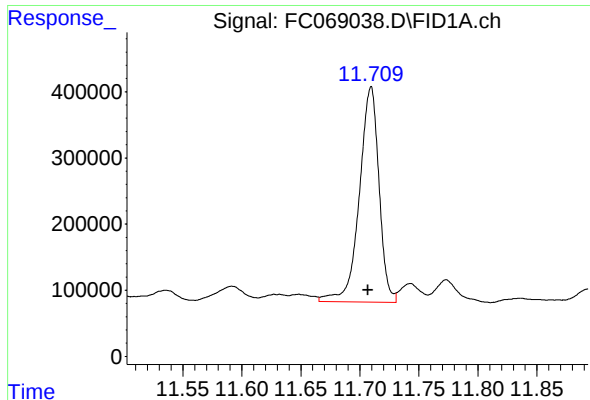
#7 n-Hexadecane (C16)

R.T.: 9.942 min
Delta R.T.: 0.002 min
Response: 4726012
Conc: 46.58 ug/ml m



#8 n-Octadecane (C18)

R.T.: 11.384 min
Delta R.T.: 0.000 min
Response: 3412771
Conc: 34.15 ug/ml m



#9 ortho-Terphenyl (SURR)

R.T.: 11.709 min
Delta R.T.: 0.002 min
Response: 3773295
Conc: 30.59 ug/ml

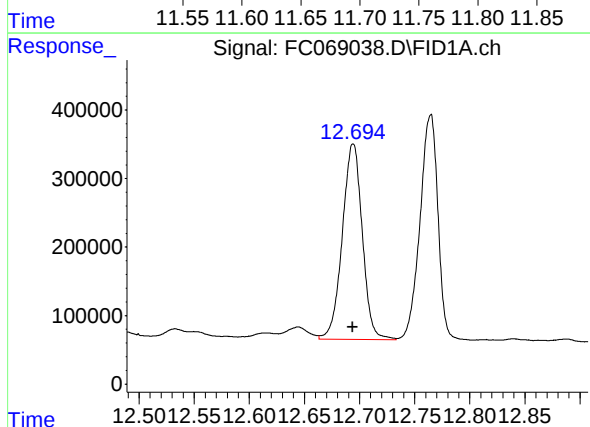
Instrument :

FID_C

ClientSampleId :
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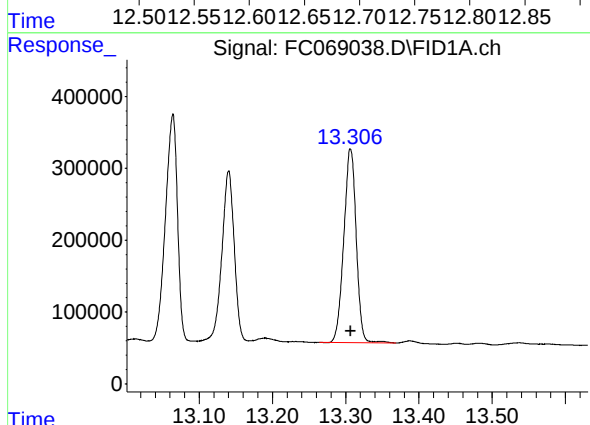
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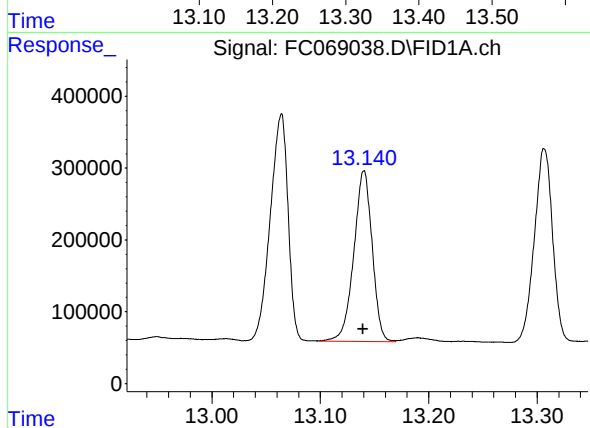
#10 n-Eicosane (C20)

R.T.: 12.694 min
Delta R.T.: 0.000 min
Response: 3604500
Conc: 37.01 ug/ml



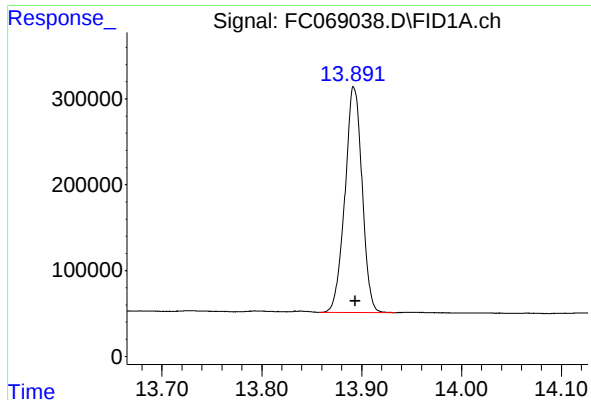
#11 n-Heneicosane (C21)

R.T.: 13.307 min
Delta R.T.: 0.000 min
Response: 3188150
Conc: 33.12 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.140 min
Delta R.T.: 0.000 min
Response: 2799762
Conc: 31.21 ug/ml



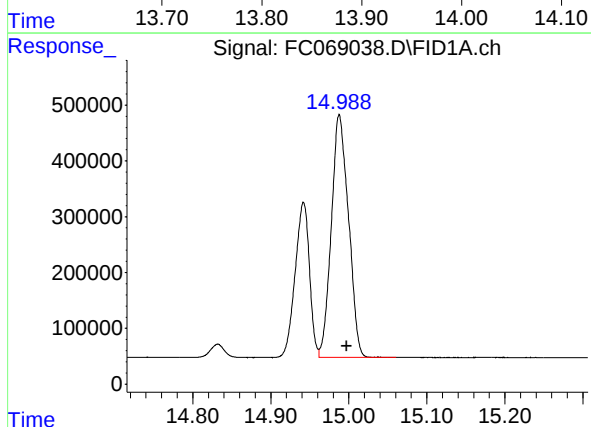
#13 n-Docosane (C22)

R.T.: 13.892 min
Delta R.T.: 0.000 min
Response: 3140077
Conc: 32.96 ug/ml

Instrument :
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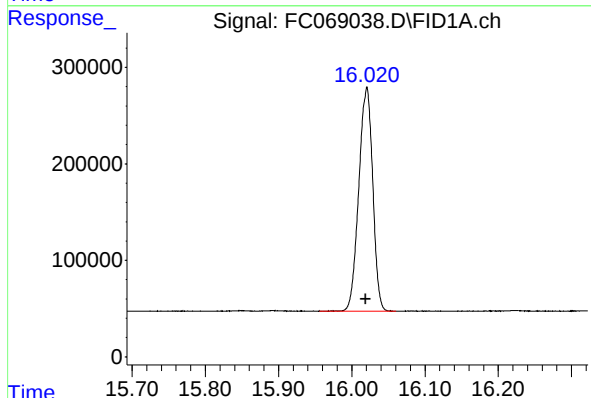
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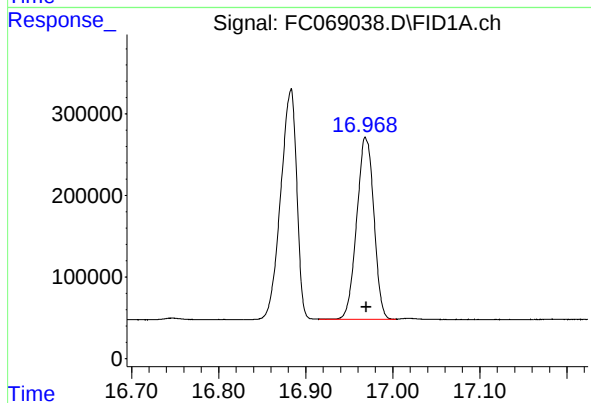
#14 n-Tetracosane (C24)

R.T.: 14.988 min
Delta R.T.: -0.009 min
Response: 6657266
Conc: 70.71 ug/ml



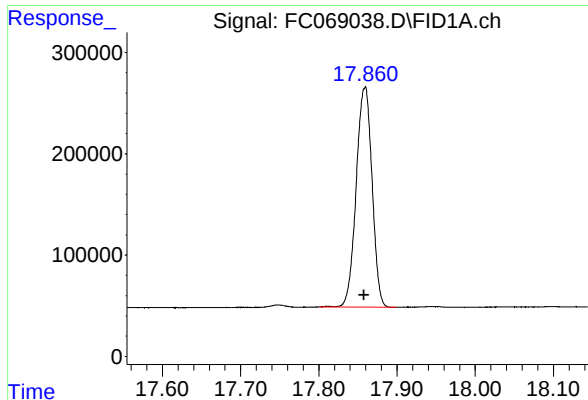
#15 n-Hexacosane (C26)

R.T.: 16.020 min
Delta R.T.: 0.002 min
Response: 3069089
Conc: 33.06 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.969 min
Delta R.T.: 0.000 min
Response: 3047628
Conc: 32.79 ug/ml



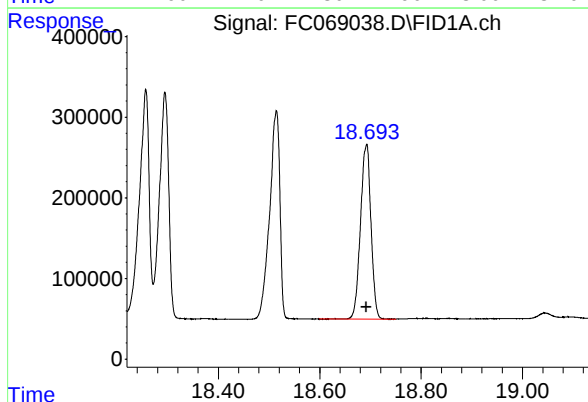
#17 n-Tricontane (C30)

R.T.: 17.859 min
Delta R.T.: 0.000 min
Response: 3062302
Conc: 31.65 ug/ml

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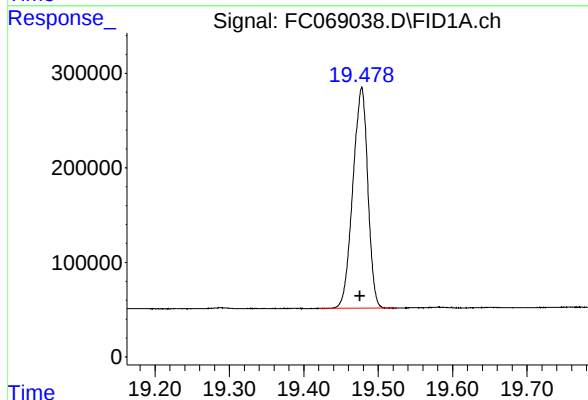
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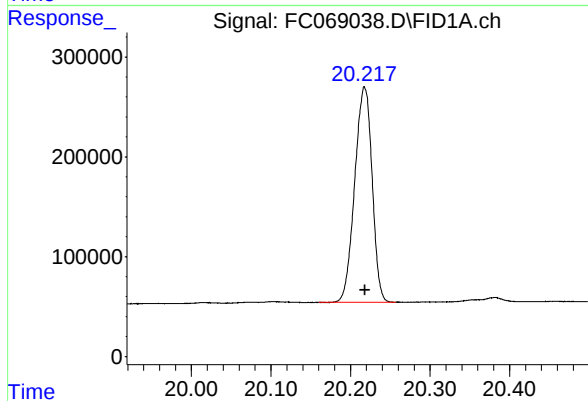
#18 n-Dotriacontane (C32)

R.T.: 18.692 min
Delta R.T.: 0.000 min
Response: 3108737
Conc: 31.37 ug/ml



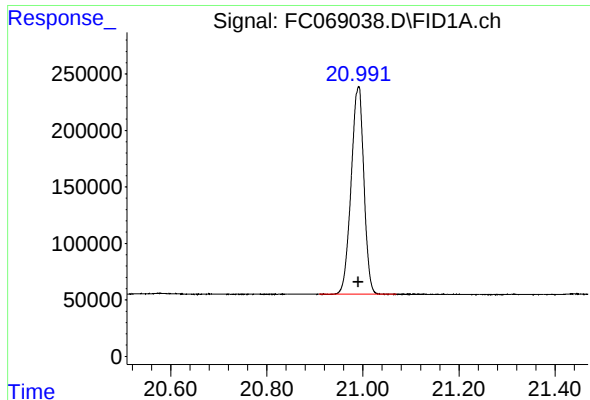
#19 n-Tetratriacontane (C34)

R.T.: 19.478 min
Delta R.T.: 0.002 min
Response: 3276209
Conc: 33.99 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.218 min
Delta R.T.: 0.000 min
Response: 3271482
Conc: 34.46 ug/ml



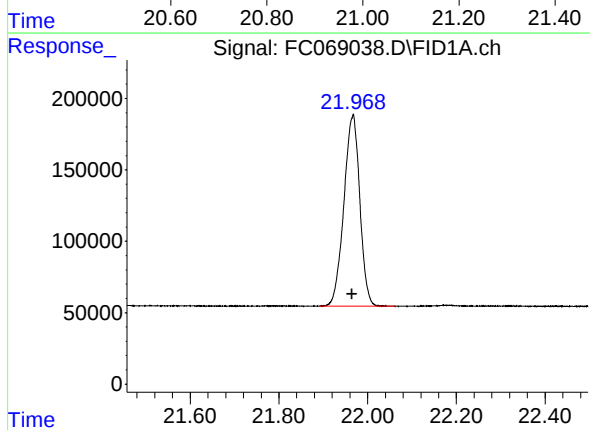
#21 n-Octatriacontane (C38)

R.T.: 20.990 min
Delta R.T.: 0.000 min
Response: 3383494
Conc: 37.09 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.967 min
Delta R.T.: 0.001 min
Response: 3336253
Conc: 37.81 ug/ml