

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071425AL\
 Data File : FC069435.D
 Signal(s) : FID1A.ch
 Acq On : 14 Jul 2025 16:14
 Operator : YP/AJ
 Sample : PB168833BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

PB168833BS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 07/15/2025

Supervised By :mohammad ahmed 07/19/2025

Integration File: autoint1.e

Quant Time: Jul 15 01:49:44 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)	11.673	5623206	32.549 ug/ml
Spiked Amount 50.000		Recovery =	65.10%
12) S 1-chlorooctadecane (S...	13.107	4467840	34.199 ug/ml
Spiked Amount 50.000		Recovery =	68.40%
Target Compounds			
1) T n-Nonane (C9)	3.410	4624152	32.514 ug/ml
2) T n-Decane (C10)	4.480	4876061	33.308 ug/ml
3) T A~Naphthalene (C11.7)	6.072	5934788	36.886 ug/ml
4) T n-Dodecane (C12)	6.502	5226627	34.516 ug/ml
5) T A~2-methylnaphthalene...	7.131	5734880	36.239 ug/ml
6) T n-Tetradecane (C14)	8.302	5741631	37.042 ug/ml
7) T n-Hexadecane (C16)	9.905	5941960	36.361 ug/ml
8) T n-Octadecane (C18)	11.350	5751459	35.227 ug/ml
10) T n-Eicosane (C20)	12.662	5650587	37.019 ug/ml
11) T n-Heneicosane (C21)	13.275	5289643	35.888 ug/ml
13) T n-Docosane (C22)	13.862	5124205	35.614 ug/ml
14) T n-Tetracosane (C24)	14.959	9782293	70.922 ug/ml
15) T n-Hexacosane (C26)	15.991	4579597	35.033 ug/ml
16) T n-Octacosane (C28)	16.940	4375311	35.477 ug/ml
17) T n-Tricontane (C30)	17.830	4279836	36.000 ug/ml
18) T n-Dotriacontane (C32)	18.662	4208186	38.488 ug/ml
19) T n-Tetratriacontane (C34)	19.448	4415045	45.720 ug/ml
20) T n-Hexatriacontane (C36)	20.188	4288962	52.043 ug/ml
21) T n-Octatriacontane (C38)	20.953	4361687	58.366 ug/ml
22) T n-Tetracontane (C40)	21.917	4281447	60.459 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP/AJ
Sample : PB168833BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

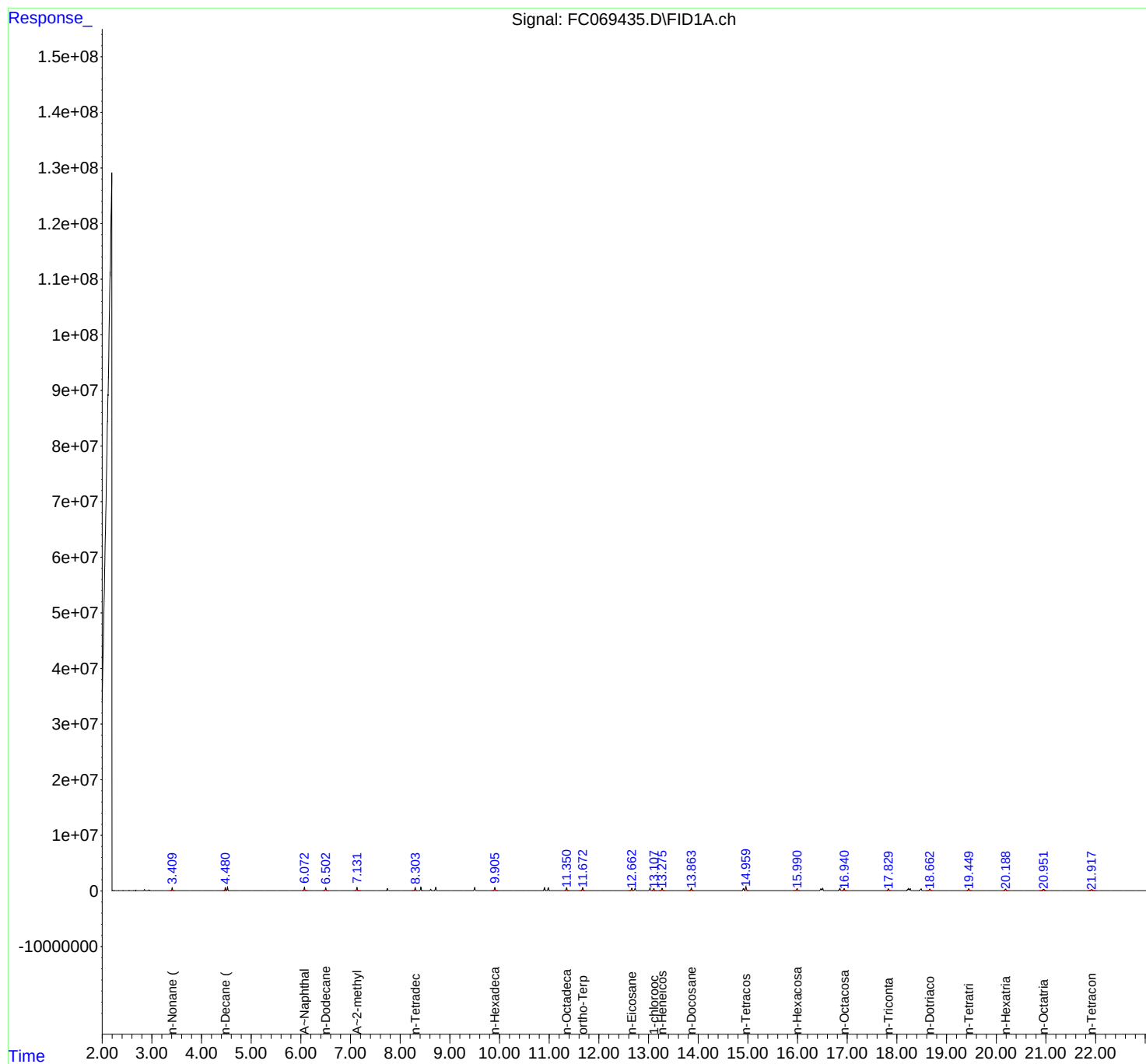
Instrument :
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PB168833BS

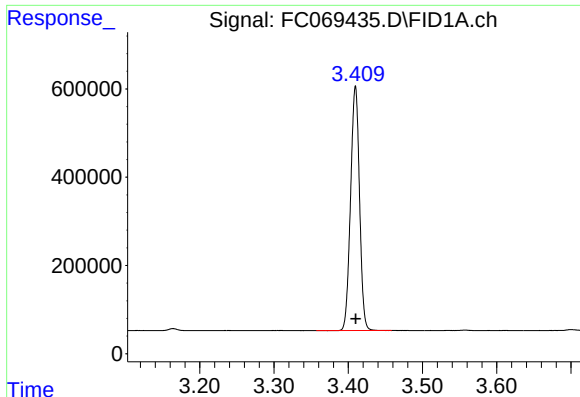
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Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 3.410 min
Delta R.T.: 0.000 min
Response: 4624152
Conc: 32.51 ug/ml

Instrument :

FID_C

ClientSampleId :

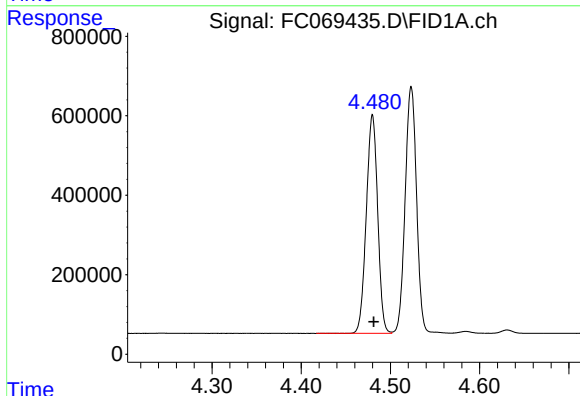
PB168833BS

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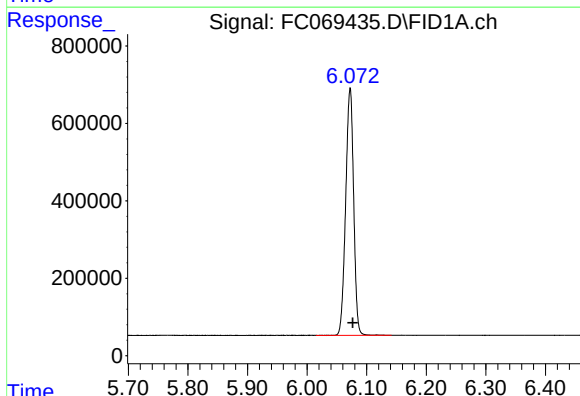
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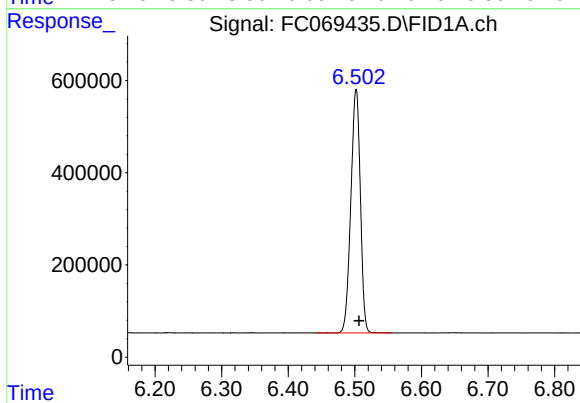
#2 n-Decane (C10)

R.T.: 4.480 min
Delta R.T.: -0.002 min
Response: 4876061
Conc: 33.31 ug/ml



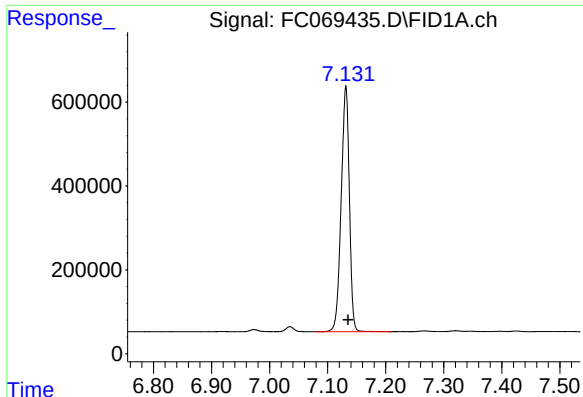
#3 A~Naphthalene (C11.7)

R.T.: 6.072 min
Delta R.T.: -0.004 min
Response: 5934788
Conc: 36.89 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.502 min
Delta R.T.: -0.004 min
Response: 5226627
Conc: 34.52 ug/ml



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

R.T.: 7.131 min
Delta R.T.: -0.004 min
Response: 5734880
Conc: 36.24 ug/ml

Instrument :

FID_C

ClientSampleId :

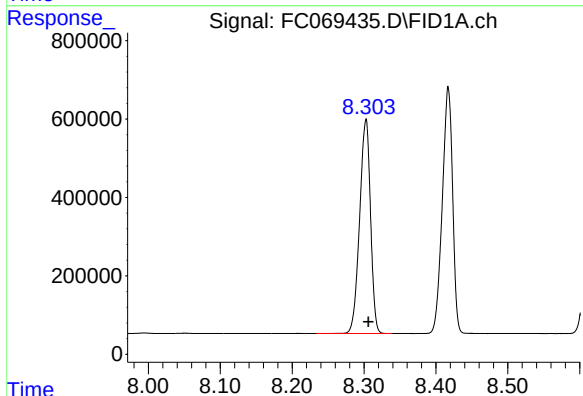
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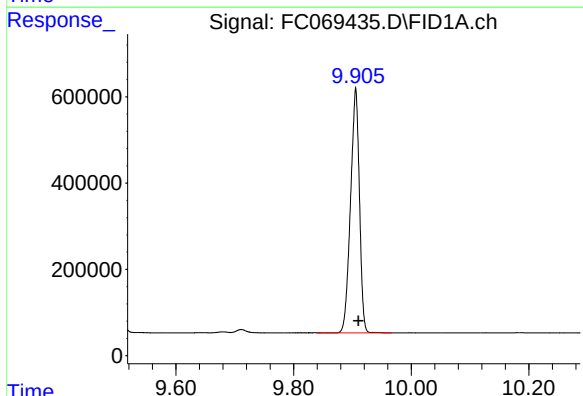
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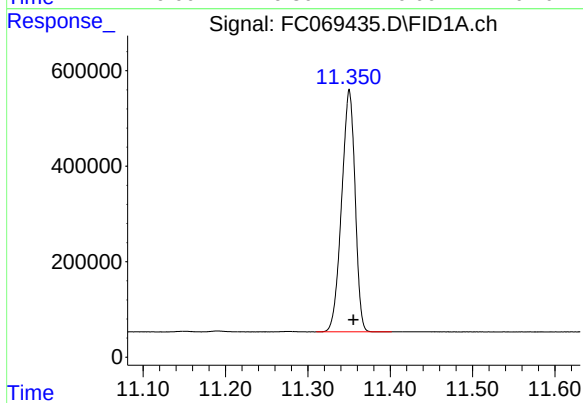
#6 n-Tetradecane (C14)

R.T.: 8.302 min
Delta R.T.: -0.004 min
Response: 5741631
Conc: 37.04 ug/ml



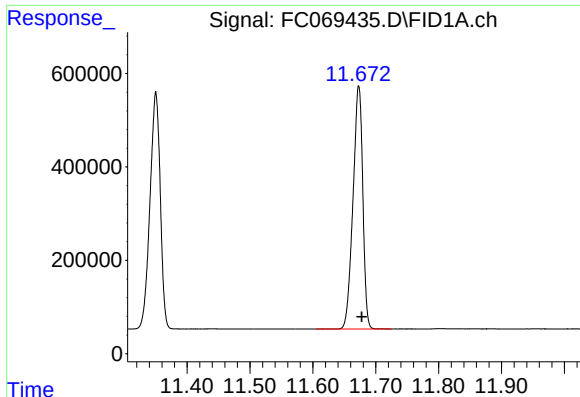
#7 n-Hexadecane (C16)

R.T.: 9.905 min
Delta R.T.: -0.005 min
Response: 5941960
Conc: 36.36 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.350 min
Delta R.T.: -0.005 min
Response: 5751459
Conc: 35.23 ug/ml



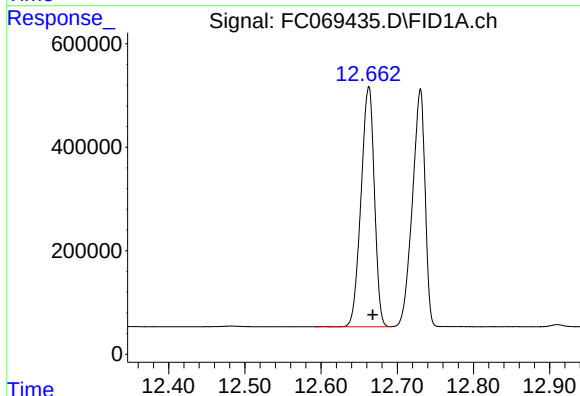
#9 ortho-Terphenyl (SURR)

R.T.: 11.673 min
Delta R.T.: -0.005 min
Response: 5623206
Conc: 32.55 ug/ml

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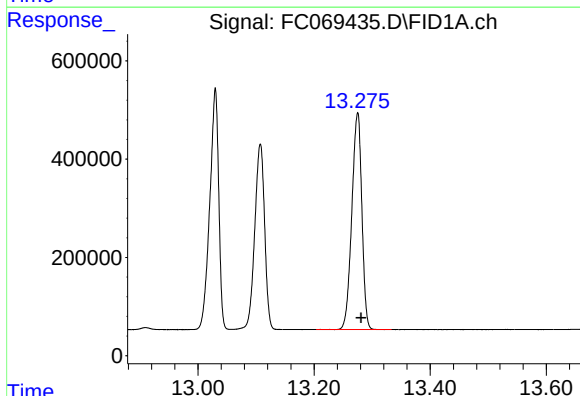
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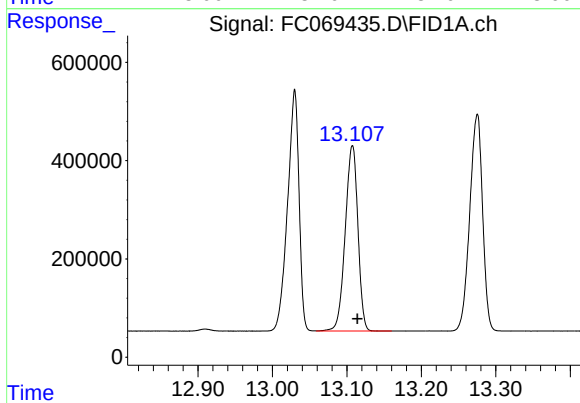
#10 n-Eicosane (C20)

R.T.: 12.662 min
Delta R.T.: -0.005 min
Response: 5650587
Conc: 37.02 ug/ml



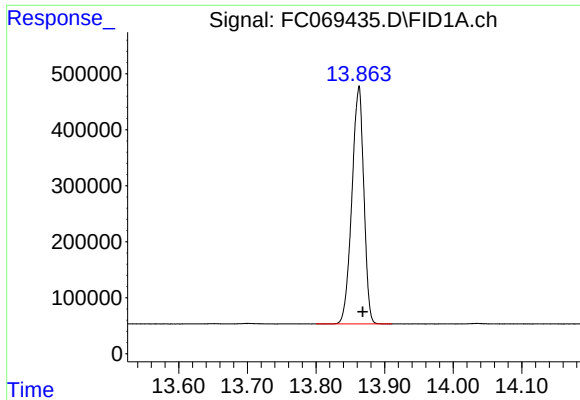
#11 n-Heneicosane (C21)

R.T.: 13.275 min
Delta R.T.: -0.006 min
Response: 5289643
Conc: 35.89 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.107 min
Delta R.T.: -0.007 min
Response: 4467840
Conc: 34.20 ug/ml



#13 n-Docosane (C22)

R.T.: 13.862 min
Delta R.T.: -0.006 min
Response: 5124205
Conc: 35.61 ug/ml

Instrument :

FID_C

ClientSampleId :

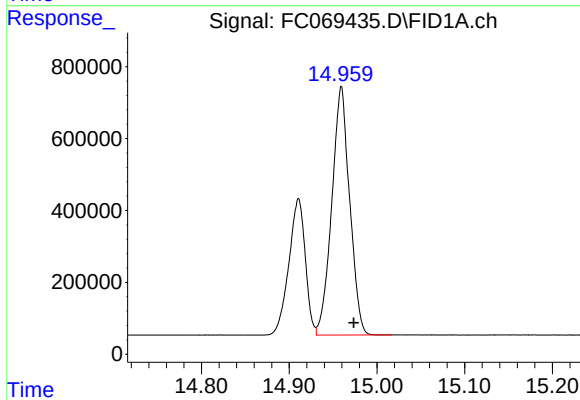
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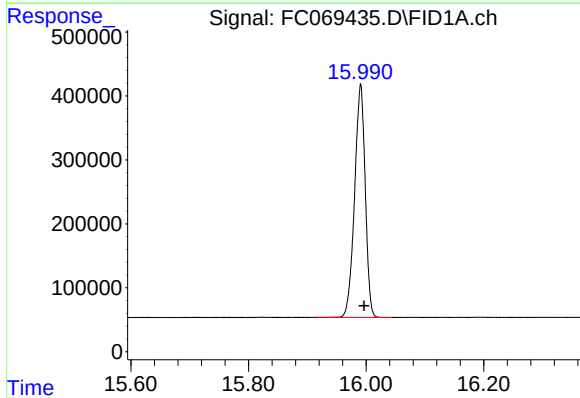
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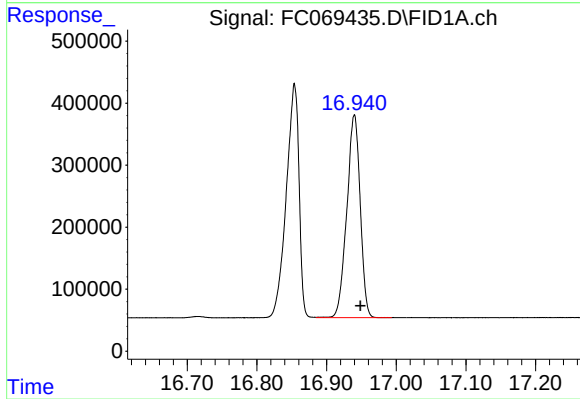
#14 n-Tetracosane (C24)

R.T.: 14.959 min
Delta R.T.: -0.014 min
Response: 9782293
Conc: 70.92 ug/ml



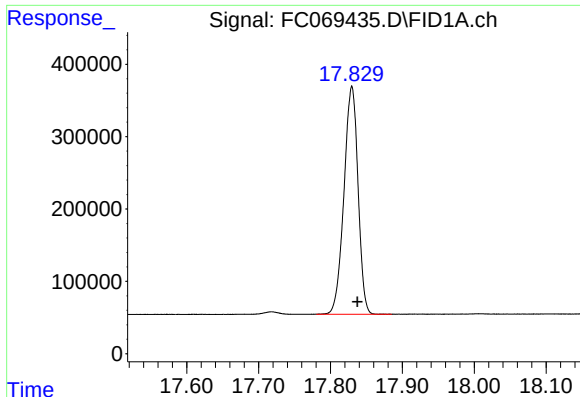
#15 n-Hexacosane (C26)

R.T.: 15.991 min
Delta R.T.: -0.006 min
Response: 4579597
Conc: 35.03 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.940 min
Delta R.T.: -0.009 min
Response: 4375311
Conc: 35.48 ug/ml



#17 n-Tricontane (C30)

R.T.: 17.830 min
Delta R.T.: -0.008 min
Response: 4279836
Conc: 36.00 ug/ml

Instrument :

FID_C

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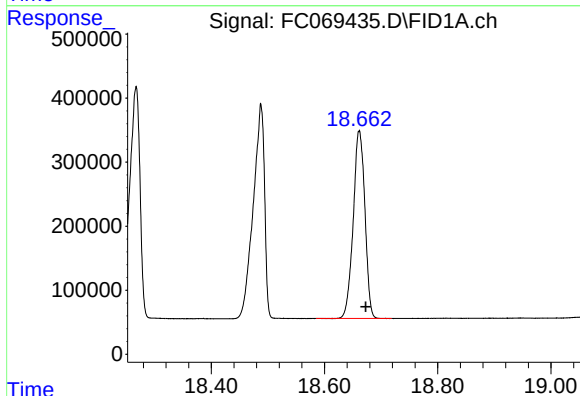
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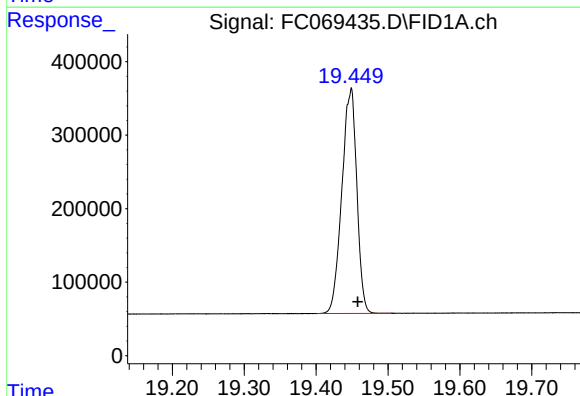
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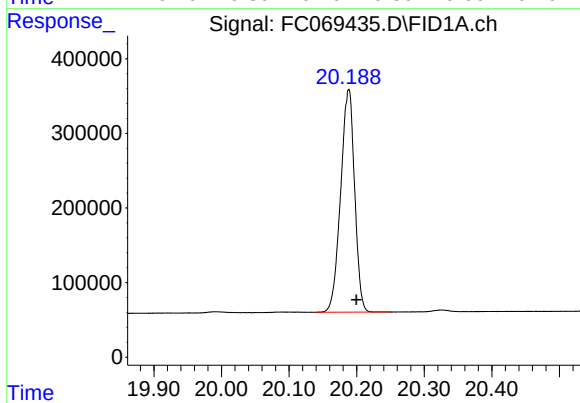
#18 n-Dotriacontane (C32)

R.T.: 18.662 min
Delta R.T.: -0.011 min
Response: 4208186
Conc: 38.49 ug/ml



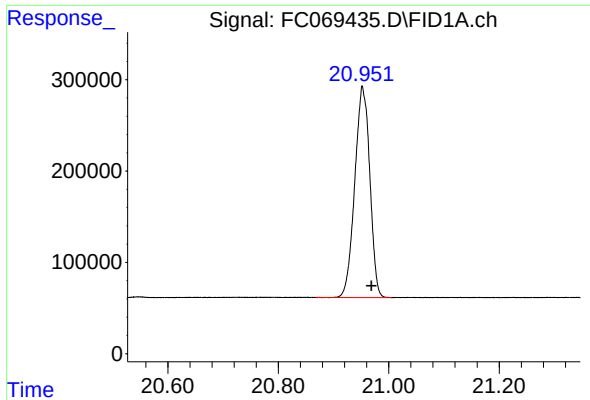
#19 n-Tetratriacontane (C34)

R.T.: 19.448 min
Delta R.T.: -0.010 min
Response: 4415045
Conc: 45.72 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.188 min
Delta R.T.: -0.012 min
Response: 4288962
Conc: 52.04 ug/ml



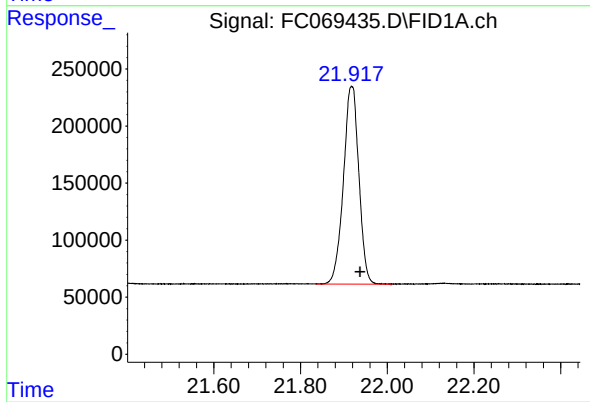
#21 n-Octatriacontane (C38)

R.T.: 20.953 min
Delta R.T.: -0.016 min
Response: 4361687
Conc: 58.37 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.917 min
Delta R.T.: -0.020 min
Response: 4281447
Conc: 60.46 ug/ml m