

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100125AL\
 Data File : FC069884.D
 Signal(s) : FID1A.ch
 Acq On : 30 Sep 2025 16:19
 Operator : YP/AJ
 Sample : PB169910BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

PB169910BS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 10/01/2025

Supervised By :mohammad ahmed 10/03/2025

Integration File: autoint1.e

Quant Time: Oct 01 04:12:17 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 092325.M

Quant Title : GC Extractables

Qlast Update : Tue Sep 23 14:56:40 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)	11.648	6797600	36.293 ug/ml
Spiked Amount 50.000		Recovery =	72.59%
12) S 1-chlorooctadecane (S...	13.081	5525298	34.988 ug/ml
Spiked Amount 50.000		Recovery =	69.98%
Target Compounds			
1) T n-Nonane (C9)	3.397	7109682	55.461 ug/ml
2) T n-Decane (C10)	4.464	7742600	58.268 ug/ml
3) T A~Naphthalene (C11.7)	6.054	8828527	59.472 ug/ml
4) T n-Dodecane (C12)	6.482	8393753	60.171 ug/ml
5) T A~2-methylnaphthalene...	7.111	8365057	56.657 ug/ml
6) T n-Tetradecane (C14)	8.282	8699554	58.654 ug/ml
7) T n-Hexadecane (C16)	9.883	9156755	55.486 ug/ml
8) T n-Octadecane (C18)	11.327	9157239	51.382 ug/ml
10) T n-Eicosane (C20)	12.639	9335379	51.831 ug/ml
11) T n-Heneicosane (C21)	13.251	8882961	49.264 ug/ml
13) T n-Docosane (C22)	13.837	8699945	47.888 ug/ml
14) T n-Tetracosane (C24)	14.937	16357564	88.898 ug/ml
15) T n-Hexacosane (C26)	15.965	8020066	44.173 ug/ml
16) T n-Octacosane (C28)	16.913	7504708	42.513 ug/mlm
17) T n-Tricontane (C30)	17.804	7396955	42.261 ug/ml
18) T n-Dotriacontane (C32)	18.635	6760573	41.788 ug/mlm
19) T n-Tetratriacontane (C34)	19.419	6676239	47.772 ug/ml
20) T n-Hexatriacontane (C36)	20.158	5716034	50.629 ug/ml
21) T n-Octatriacontane (C38)	20.918	5310963	55.055 ug/mlm
22) T n-Tetracontane (C40)	21.871	4994996	57.995 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Sample : PB169910BS
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ALS Vial : 12 Sample Multiplier: 1

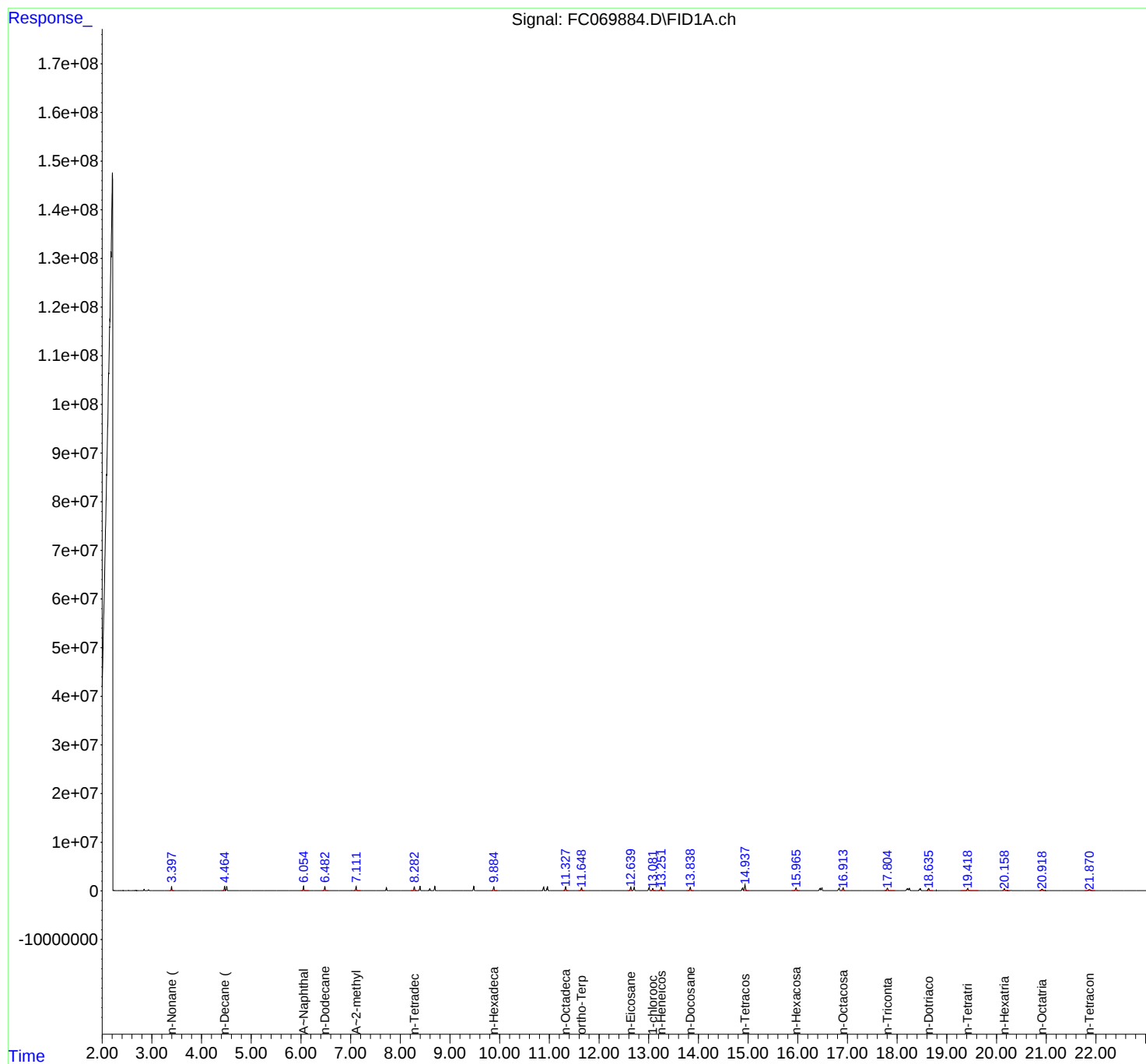
Instrument :
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PB169910BS

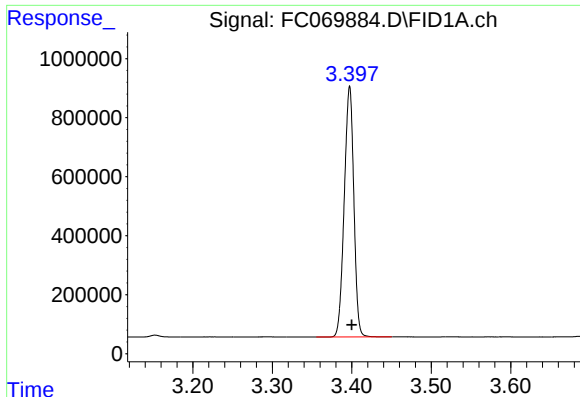
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Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 3.397 min
Delta R.T.: -0.003 min
Response: 7109682
Conc: 55.46 ug/ml

Instrument :

FID_C

ClientSampleId :

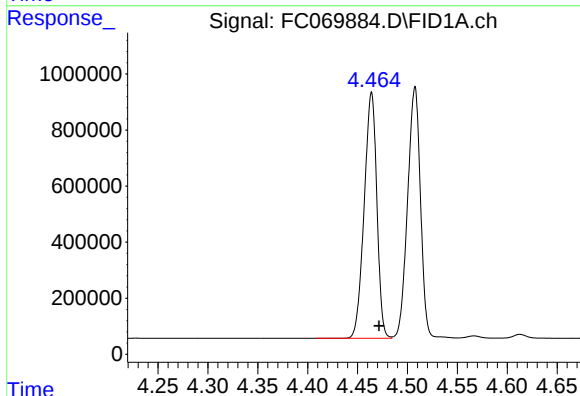
PB169910BS

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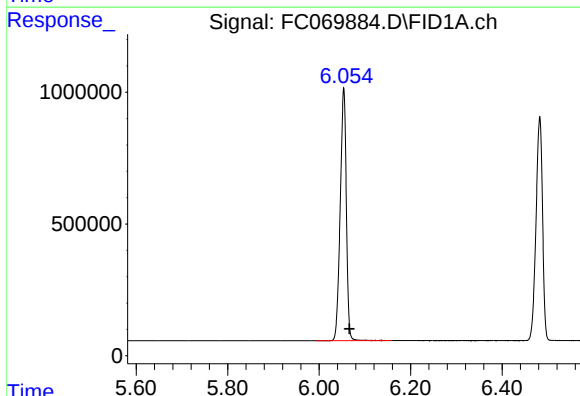
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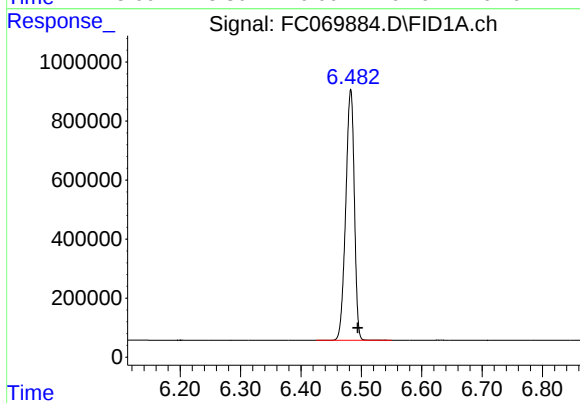
#2 n-Decane (C10)

R.T.: 4.464 min
Delta R.T.: -0.008 min
Response: 7742600
Conc: 58.27 ug/ml



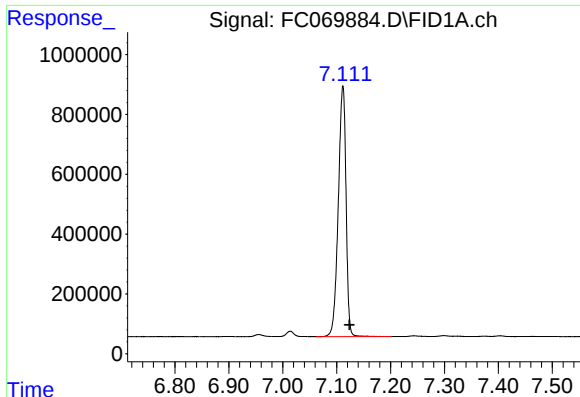
#3 A~Naphthalene (C11.7)

R.T.: 6.054 min
Delta R.T.: -0.013 min
Response: 8828527
Conc: 59.47 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.482 min
Delta R.T.: -0.012 min
Response: 8393753
Conc: 60.17 ug/ml



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

R.T.: 7.111 min
Delta R.T.: -0.012 min
Response: 8365057
Conc: 56.66 ug/ml

Instrument :

FID_C

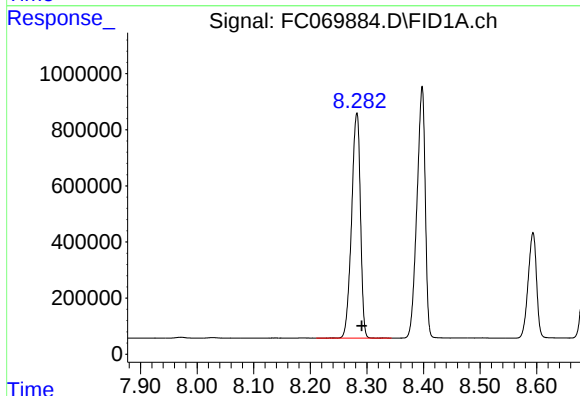
ClientSampleId :

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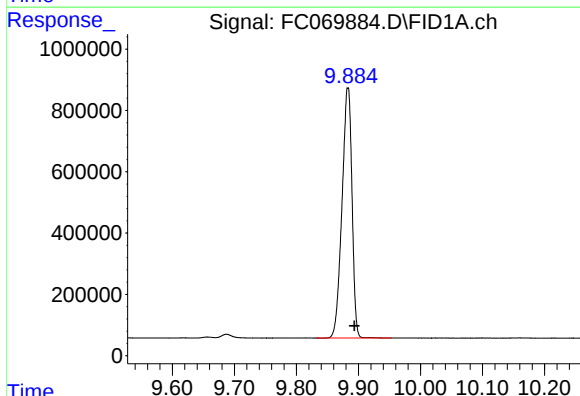
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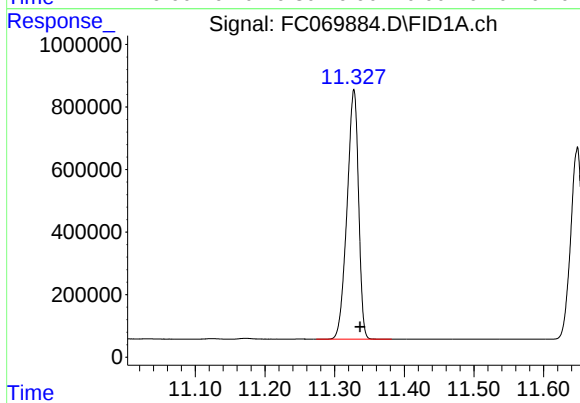
#6 n-Tetradecane (C14)

R.T.: 8.282 min
Delta R.T.: -0.009 min
Response: 8699554
Conc: 58.65 ug/ml



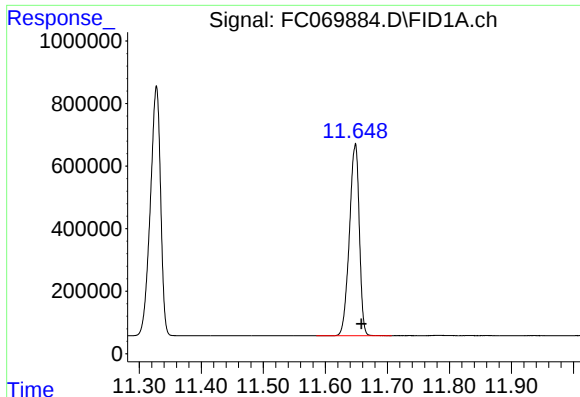
#7 n-Hexadecane (C16)

R.T.: 9.883 min
Delta R.T.: -0.011 min
Response: 9156755
Conc: 55.49 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.327 min
Delta R.T.: -0.009 min
Response: 9157239
Conc: 51.38 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 11.648 min
Delta R.T.: -0.010 min
Response: 6797600
Conc: 36.29 ug/ml

Instrument :

FID_C

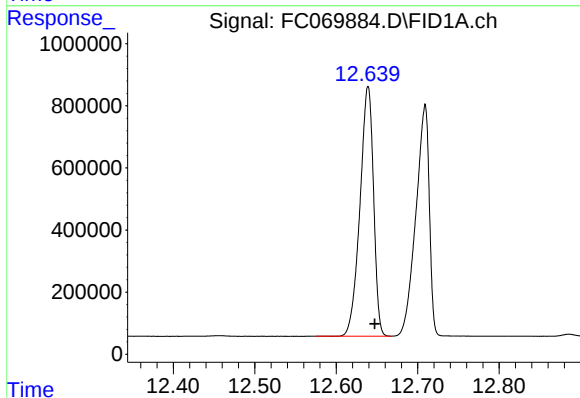
ClientSampleId :

PB169910BS

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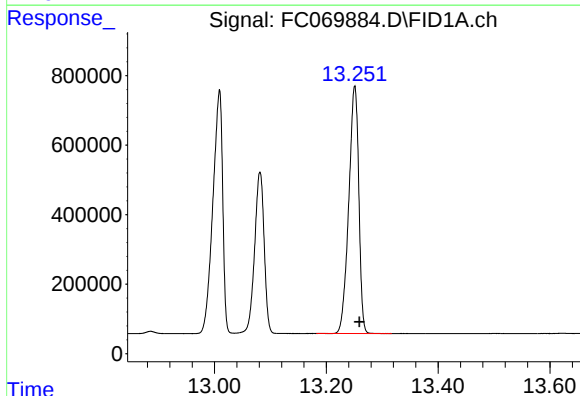
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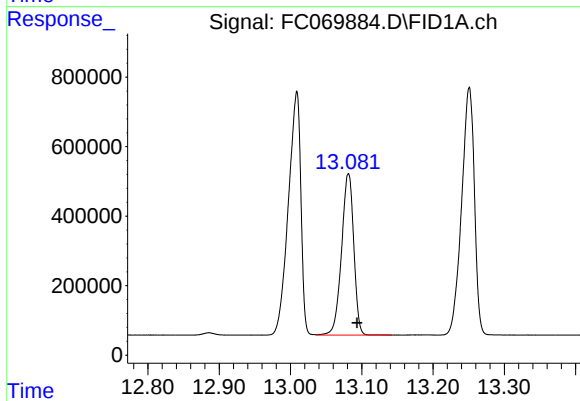
#10 n-Eicosane (C20)

R.T.: 12.639 min
Delta R.T.: -0.009 min
Response: 9335379
Conc: 51.83 ug/ml



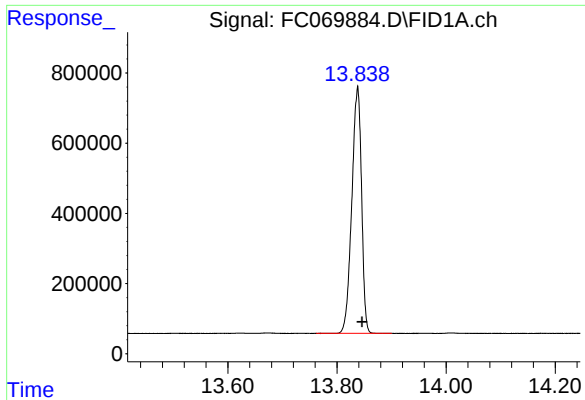
#11 n-Heneicosane (C21)

R.T.: 13.251 min
Delta R.T.: -0.009 min
Response: 8882961
Conc: 49.26 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.081 min
Delta R.T.: -0.012 min
Response: 5525298
Conc: 34.99 ug/ml



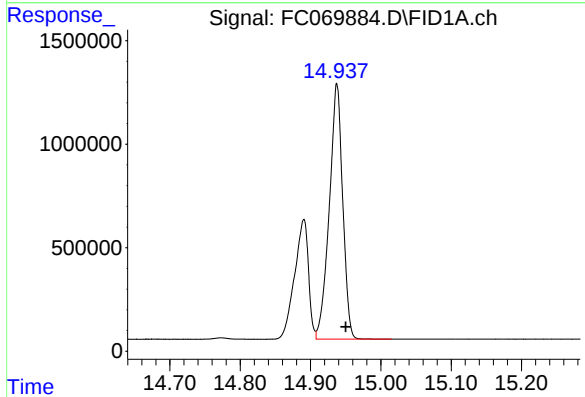
#13 n-Docosane (C22)

R.T.: 13.837 min
Delta R.T.: -0.009 min
Response: 8699945
Conc: 47.89 ug/ml

Instrument :
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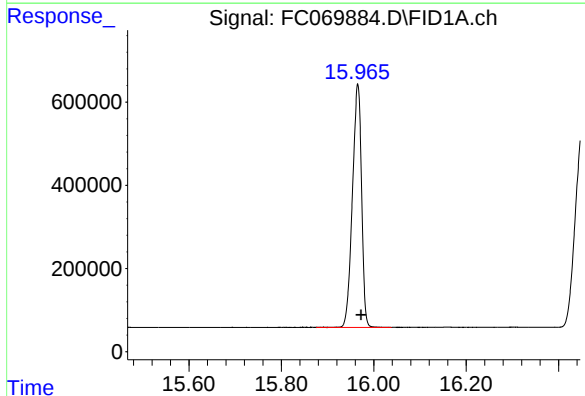
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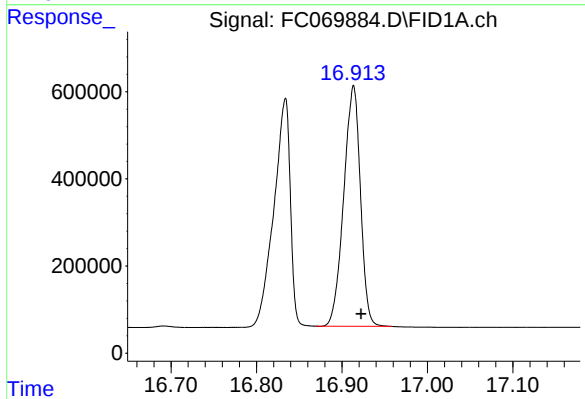
#14 n-Tetracosane (C24)

R.T.: 14.937 min
Delta R.T.: -0.013 min
Response: 16357564
Conc: 88.90 ug/ml



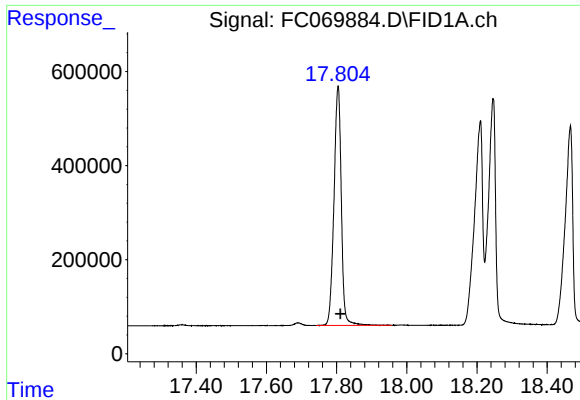
#15 n-Hexacosane (C26)

R.T.: 15.965 min
Delta R.T.: -0.007 min
Response: 8020066
Conc: 44.17 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.913 min
Delta R.T.: -0.009 min
Response: 7504708
Conc: 42.51 ug/ml m



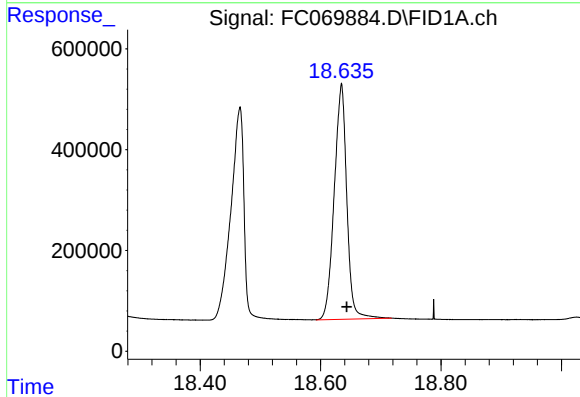
#17 n-Tricontane (C30)

R.T.: 17.804 min
Delta R.T.: -0.007 min
Response: 7396955
Conc: 42.26 ug/ml

Instrument :
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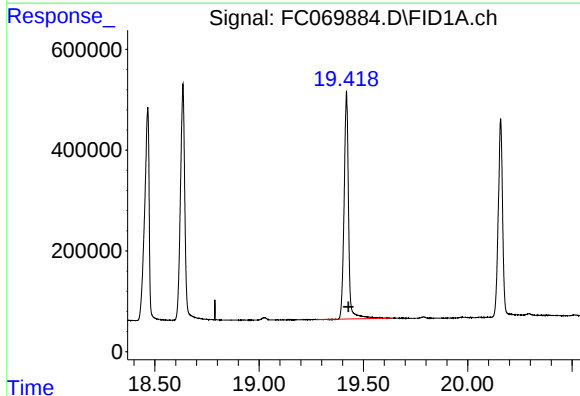
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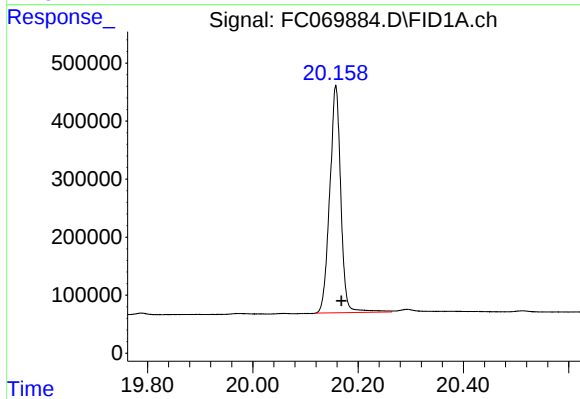
#18 n-Dotriacontane (C32)

R.T.: 18.635 min
Delta R.T.: -0.009 min
Response: 6760573
Conc: 41.79 ug/ml m



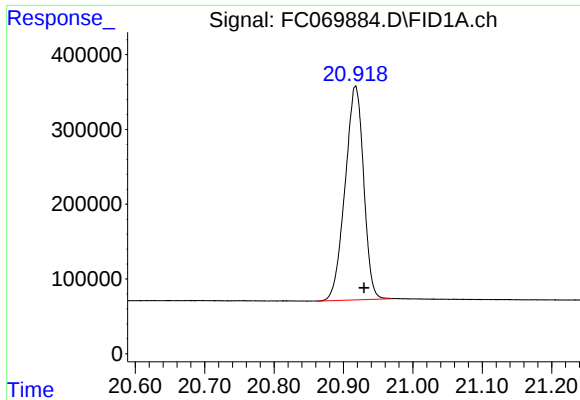
#19 n-Tetratriacontane (C34)

R.T.: 19.419 min
Delta R.T.: -0.009 min
Response: 6676239
Conc: 47.77 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.158 min
Delta R.T.: -0.011 min
Response: 5716034
Conc: 50.63 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.918 min
Delta R.T.: -0.012 min
Response: 5310963
Conc: 55.05 ug/ml

Instrument :

FID_C

ClientSampleId :

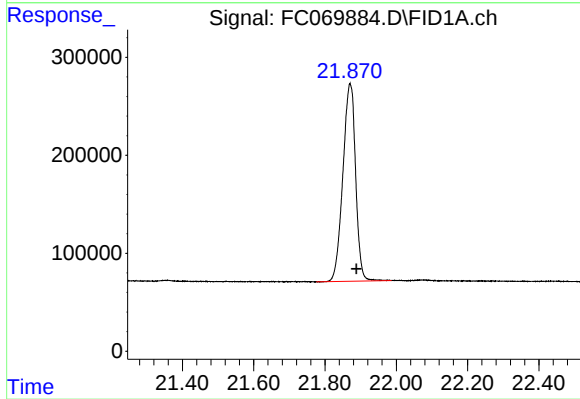
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#22 n-Tetracontane (C40)

R.T.: 21.871 min
Delta R.T.: -0.017 min
Response: 4994996
Conc: 58.00 ug/ml