

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062425AL\
 Data File : FC069271.D
 Signal(s) : FID1A.ch
 Acq On : 24 Jun 2025 16:57
 Operator : YP/AJ
 Sample : Q2363-01MS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 GCAP1MS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/25/2025
 Supervised By :mohammad ahmed 06/26/2025

Integration File: autoint1.e
 Quant Time: Jun 25 00:40:48 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)	11.680	4514590	26.132 ug/ml
Spiked Amount 50.000		Recovery =	52.26%
12) S 1-chlorooctadecane (S...	13.115	3606277	27.604 ug/ml
Spiked Amount 50.000		Recovery =	55.21%
Target Compounds			
1) T n-Nonane (C9)	3.422	5439276	38.246 ug/mlm
2) T n-Decane (C10)	4.490	5937626	40.559 ug/mlm
3) T A~Naphthalene (C11.7)	6.081	7141952	44.389 ug/mlm
4) T n-Dodecane (C12)	6.510	6222651	41.094 ug/mlm
5) T A~2-methylnaphthalene...	7.140	6805277	43.003 ug/mlm
6) T n-Tetradecane (C14)	8.310	6087155	39.271 ug/mlm
7) T n-Hexadecane (C16)	9.913	6146934	37.615 ug/ml
8) T n-Octadecane (C18)	11.358	5587783	34.224 ug/ml
10) T n-Eicosane (C20)	12.671	5505165	36.066 ug/ml
11) T n-Heneicosane (C21)	13.283	5176614	35.121 ug/ml
13) T n-Docosane (C22)	13.870	5074573	35.269 ug/ml
14) T n-Tetracosane (C24)	14.968	9773157	70.855 ug/ml
15) T n-Hexacosane (C26)	15.999	4593235	35.137 ug/ml
16) T n-Octacosane (C28)	16.949	4404771	35.716 ug/ml
17) T n-Tricontane (C30)	17.839	4256589	35.805 ug/ml
18) T n-Dotriacontane (C32)	18.672	4200623	38.419 ug/ml
19) T n-Tetratriacontane (C34)	19.457	4192154	43.412 ug/ml
20) T n-Hexatriacontane (C36)	20.199	3983866	48.341 ug/ml
21) T n-Octatriacontane (C38)	20.968	4063825	54.380 ug/ml
22) T n-Tetracontane (C40)	21.935	4017028	56.725 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M

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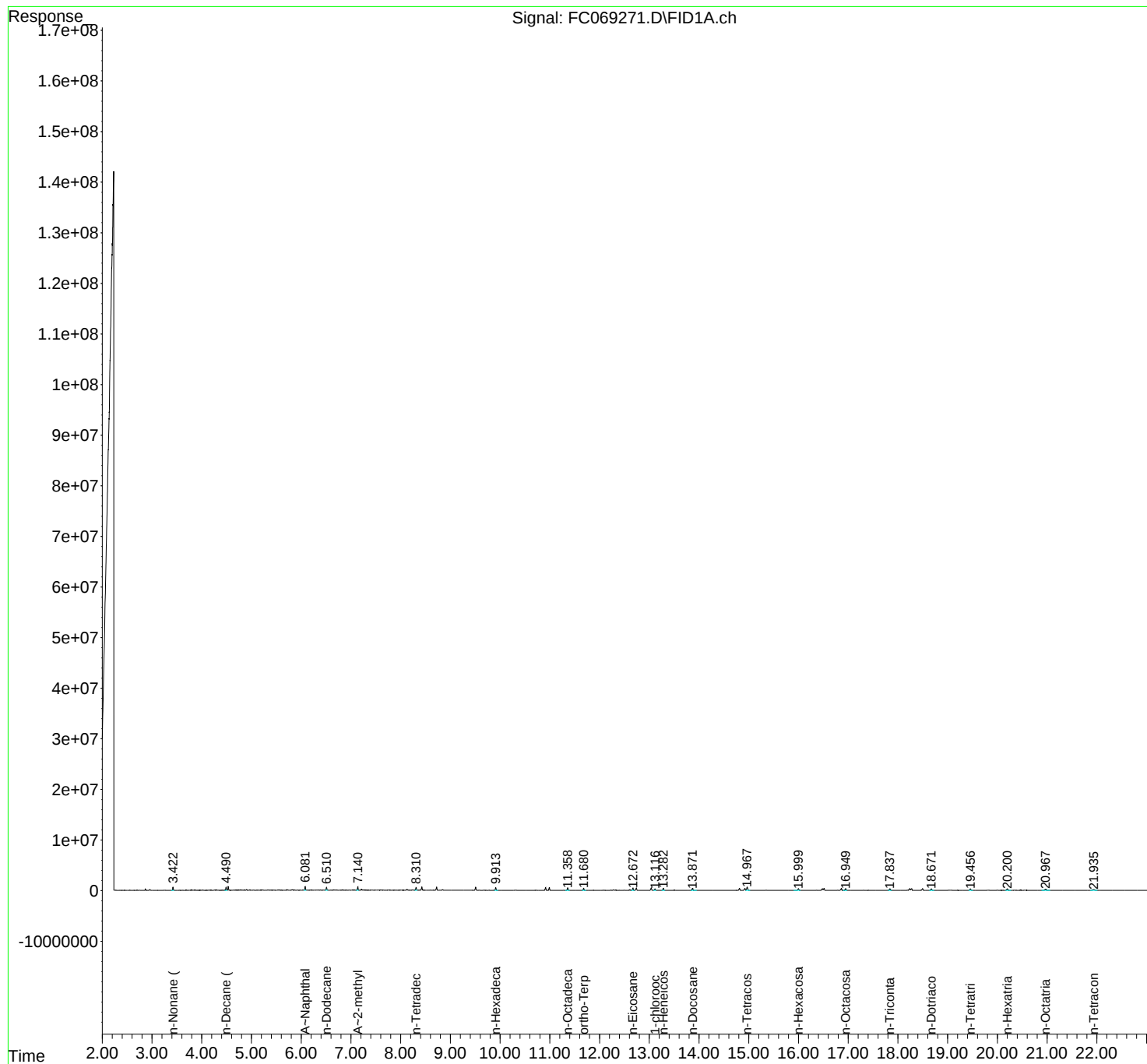
Response via : Initial Calibration

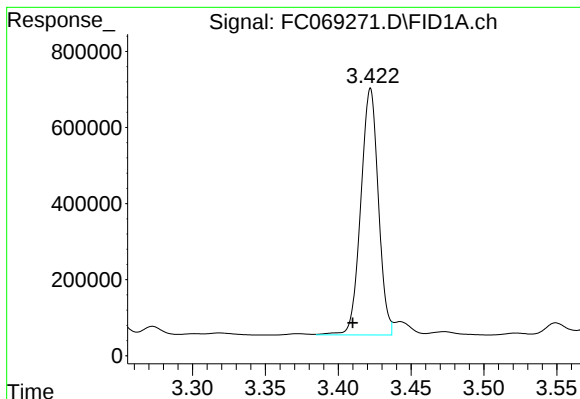
Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um





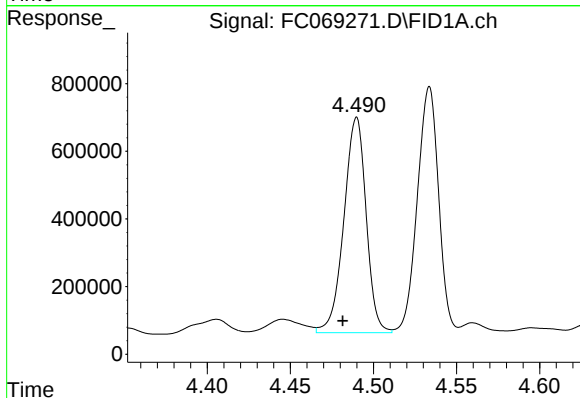
#1 n-Nonane (C9)

R.T.: 3.422 min
Delta R.T.: 0.012 min
Response: 5439276
Conc: 38.25 ug/ml

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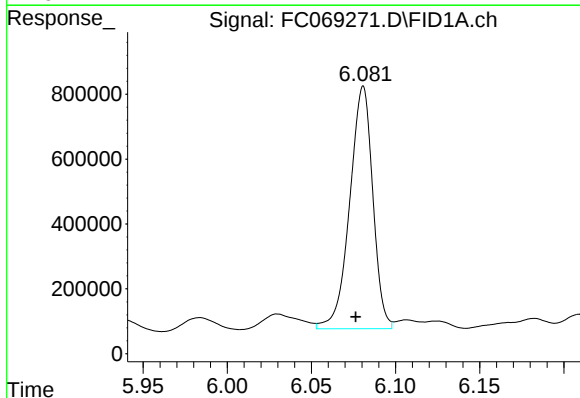
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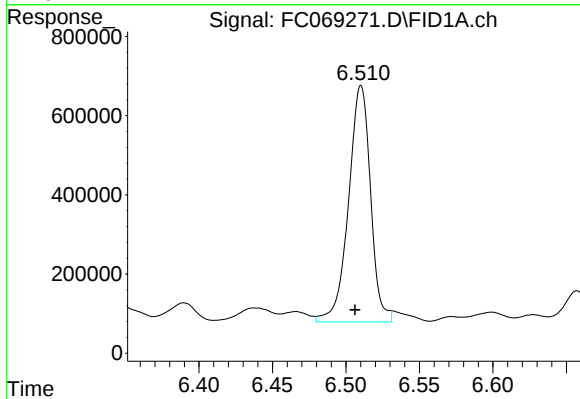
#2 n-Decane (C10)

R.T.: 4.490 min
Delta R.T.: 0.008 min
Response: 5937626
Conc: 40.56 ug/ml m



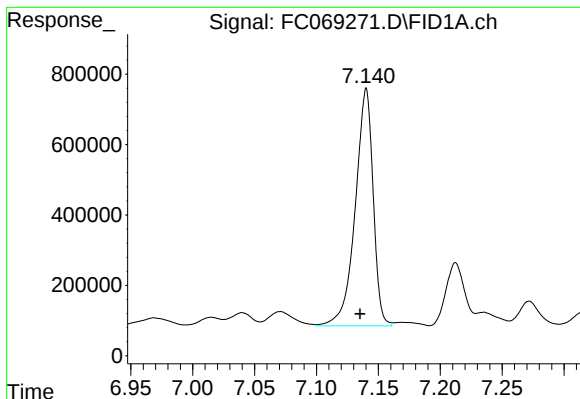
#3 A~Naphthalene (C11.7)

R.T.: 6.081 min
Delta R.T.: 0.004 min
Response: 7141952
Conc: 44.39 ug/ml m



#4 n-Dodecane (C12)

R.T.: 6.510 min
Delta R.T.: 0.004 min
Response: 6222651
Conc: 41.09 ug/ml m



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

R.T.: 7.140 min
Delta R.T.: 0.005 min
Response: 6805277
Conc: 43.00 ug/ml

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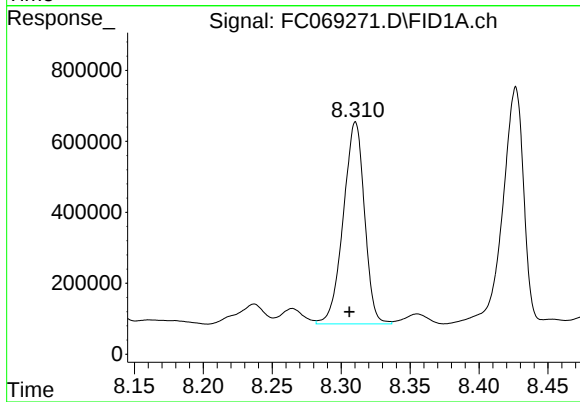
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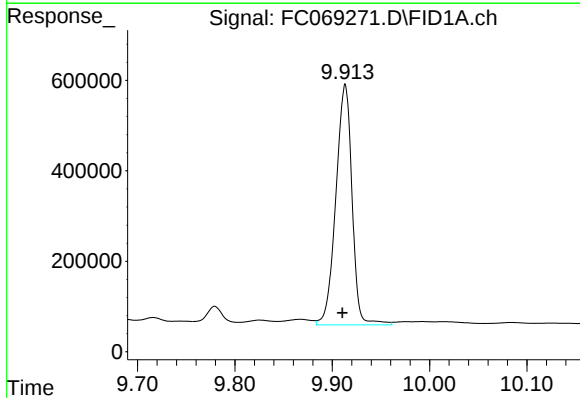
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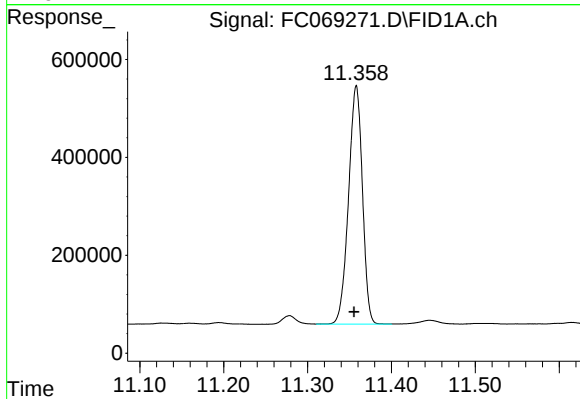
#6 n-Tetradecane (C14)

R.T.: 8.310 min
Delta R.T.: 0.004 min
Response: 6087155
Conc: 39.27 ug/ml m



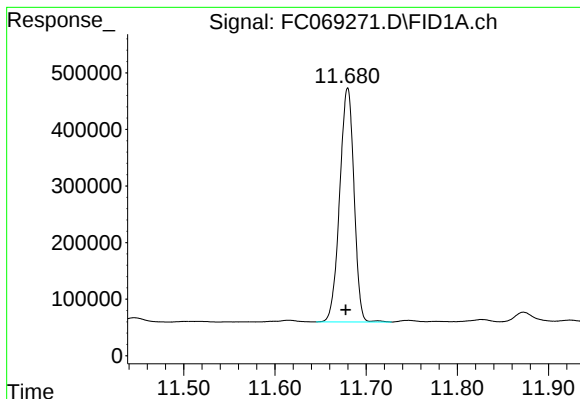
#7 n-Hexadecane (C16)

R.T.: 9.913 min
Delta R.T.: 0.003 min
Response: 6146934
Conc: 37.62 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.358 min
Delta R.T.: 0.002 min
Response: 5587783
Conc: 34.22 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 11.680 min
Delta R.T.: 0.002 min
Response: 4514590
Conc: 26.13 ug/ml

Instrument :

FID_C

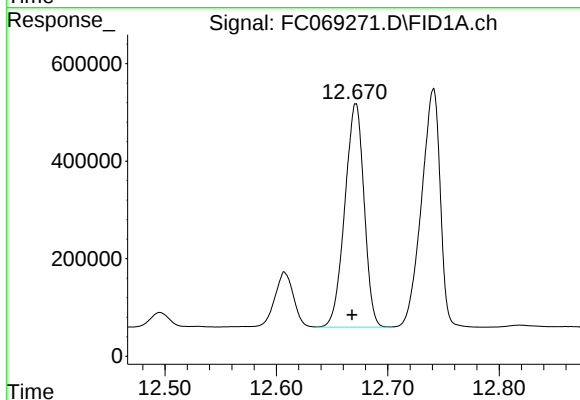
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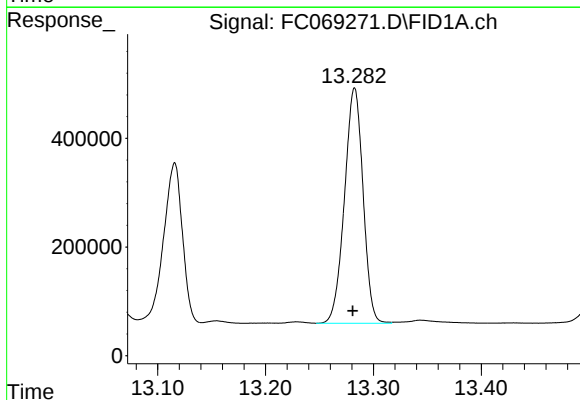
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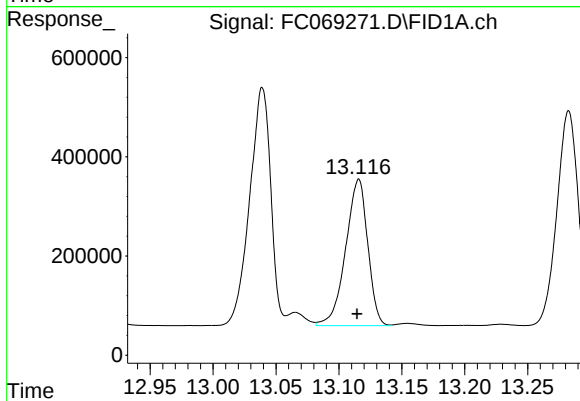
#10 n-Eicosane (C20)

R.T.: 12.671 min
Delta R.T.: 0.003 min
Response: 5505165
Conc: 36.07 ug/ml



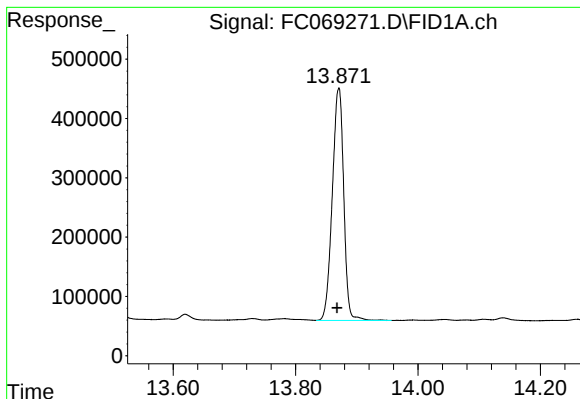
#11 n-Heneicosane (C21)

R.T.: 13.283 min
Delta R.T.: 0.002 min
Response: 5176614
Conc: 35.12 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.115 min
Delta R.T.: 0.001 min
Response: 3606277
Conc: 27.60 ug/ml



#13 n-Docosane (C22)

R.T.: 13.870 min
Delta R.T.: 0.002 min
Response: 5074573
Conc: 35.27 ug/ml

Instrument :

FID_C

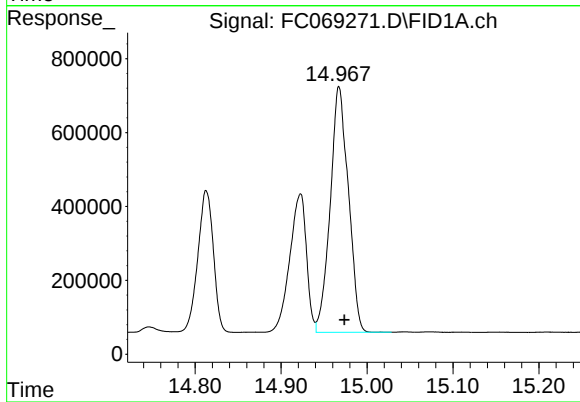
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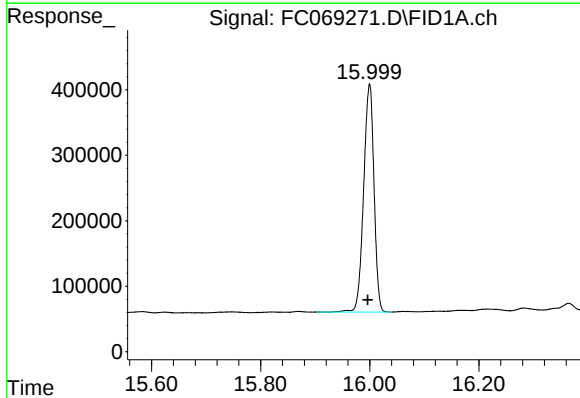
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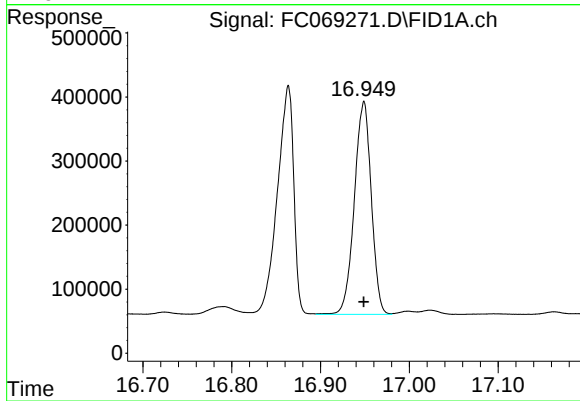
#14 n-Tetracosane (C24)

R.T.: 14.968 min
Delta R.T.: -0.006 min
Response: 9773157
Conc: 70.86 ug/ml



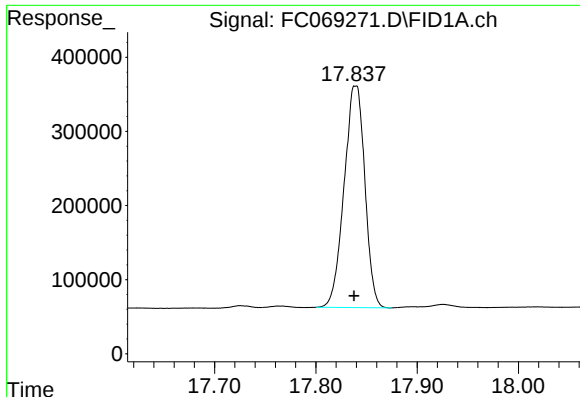
#15 n-Hexacosane (C26)

R.T.: 15.999 min
Delta R.T.: 0.003 min
Response: 4593235
Conc: 35.14 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.949 min
Delta R.T.: 0.000 min
Response: 4404771
Conc: 35.72 ug/ml



#17 n-Tricontane (C30)

R.T.: 17.839 min
Delta R.T.: 0.002 min
Response: 4256589
Conc: 35.80 ug/ml

Instrument :

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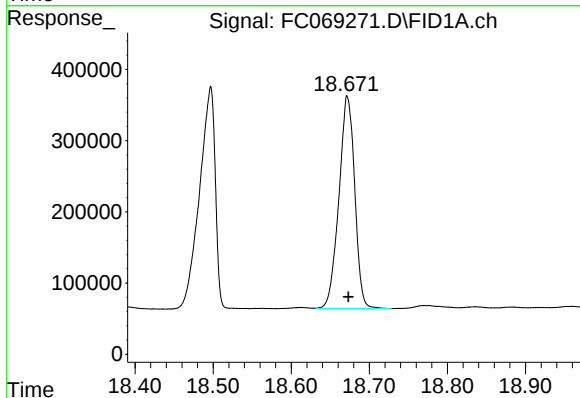
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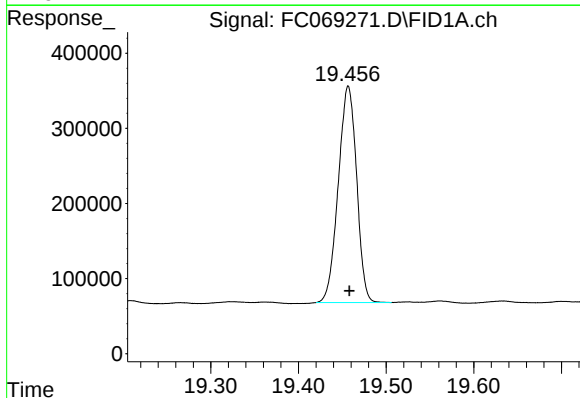
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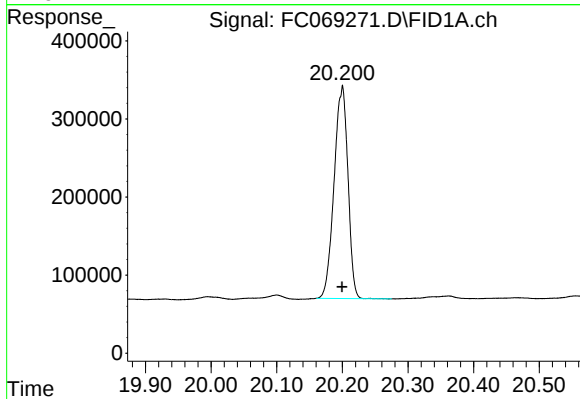
#18 n-Dotriacontane (C32)

R.T.: 18.672 min
Delta R.T.: 0.000 min
Response: 4200623
Conc: 38.42 ug/ml



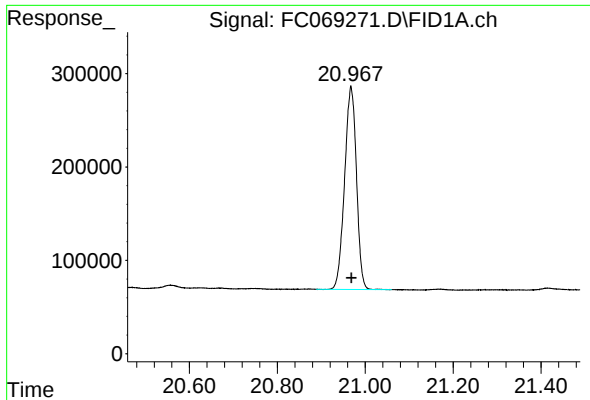
#19 n-Tetratriacontane (C34)

R.T.: 19.457 min
Delta R.T.: -0.001 min
Response: 4192154
Conc: 43.41 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.199 min
Delta R.T.: 0.000 min
Response: 3983866
Conc: 48.34 ug/ml



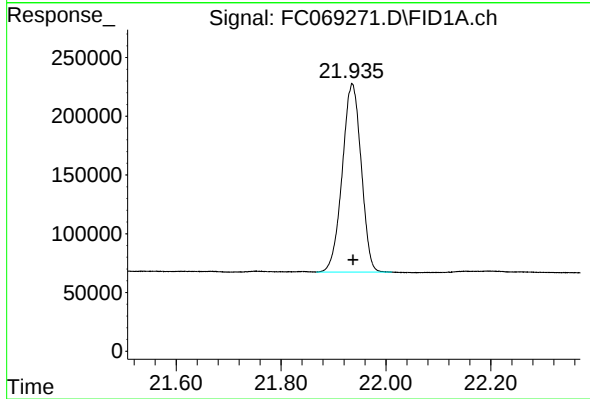
#21 n-Octatriacontane (C38)

R.T.: 20.968 min
Delta R.T.: -0.001 min
Response: 4063825
Conc: 54.38 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.935 min
Delta R.T.: -0.003 min
Response: 4017028
Conc: 56.72 ug/ml m