

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051625AL\
 Data File : FC068908.D
 Signal(s) : FID1A.ch
 Acq On : 16 May 2025 17:45
 Operator : YP/AJ
 Sample : Q2048-13MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

L2-WC-4MSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 05/19/2025

Supervised By :mohammad ahmed 05/20/2025

Integration File: autoint1.e

Quant Time: May 19 07:19:05 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M

Quant Title : GC Extractables

QLast Update : Wed May 07 08:52:03 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)	11.710	5388003	47.206 ug/ml
Spiked Amount 50.000		Recovery =	94.41%
12) S 1-chlorooctadecane (S...	13.143	4189805	52.225 ug/ml
Spiked Amount 50.000		Recovery =	104.45%
Target Compounds			
1) T n-Nonane (C9)	3.440	2625266	26.101 ug/ml
2) T n-Decane (C10)	4.516	3080416	30.915 ug/ml
3) T A~Naphthalene (C11.7)	6.113	3637627	32.991 ug/ml
4) T n-Dodecane (C12)	6.541	3257891	33.525 ug/ml
5) T A~2-methylnaphthalene...	7.172	3418758	31.852 ug/ml
6) T n-Tetradecane (C14)	8.340	3348061	36.225 ug/ml
7) T n-Hexadecane (C16)	9.941	3701687	41.339 ug/ml
8) T n-Octadecane (C18)	11.386	3844123	43.824 ug/ml
10) T n-Eicosane (C20)	12.697	3974449	46.638 ug/ml
11) T n-Heneicosane (C21)	13.309	3813377	45.212 ug/ml
13) T n-Docosane (C22)	13.896	3790584	45.310 ug/ml
14) T n-Tetracosane (C24)	14.993	7899548	94.939 ug/ml
15) T n-Hexacosane (C26)	16.023	3761008	45.393 ug/ml
16) T n-Octacosane (C28)	16.973	3740923	45.265 ug/ml
17) T n-Tricontane (C30)	17.863	3756335	44.395 ug/ml
18) T n-Dotriacontane (C32)	18.695	3629675	42.139 ug/ml
19) T n-Tetratriacontane (C34)	19.479	3098249	36.364 ug/ml
20) T n-Hexatriacontane (C36)	20.219	2384651	27.745 ug/ml
21) T n-Octatriacontane (C38)	20.990	1931778	23.029 ug/mlm
22) T n-Tetracontane (C40)	21.968	1661692	20.275 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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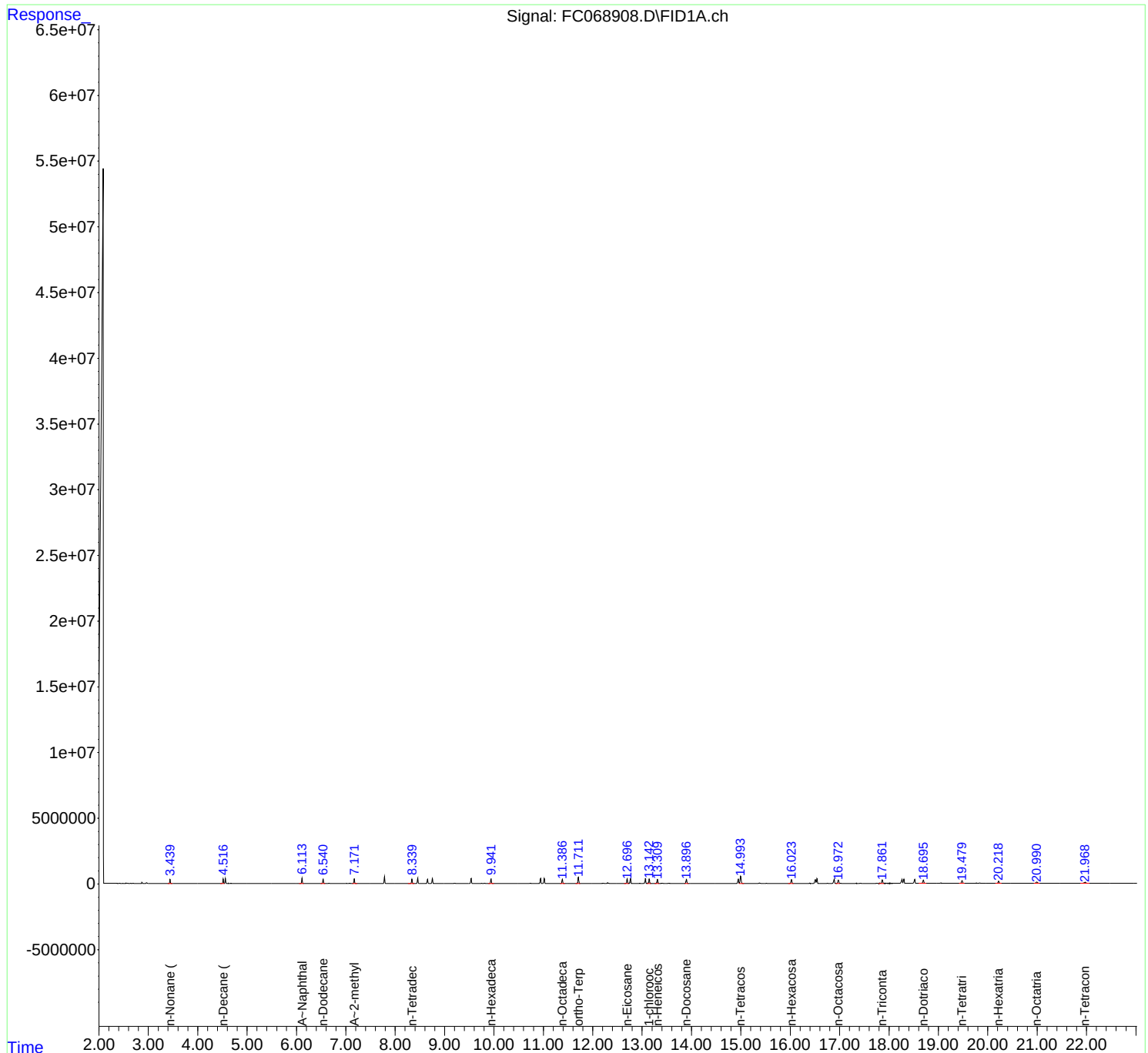
Response via : Initial Calibration

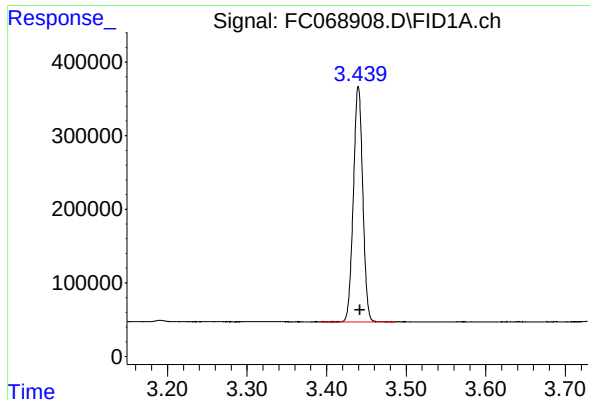
Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um





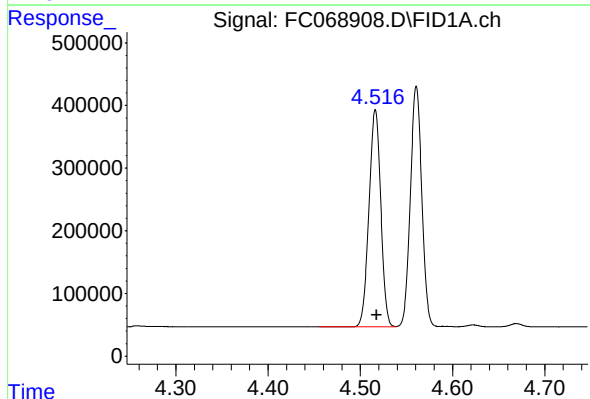
#1 n-Nonane (C9)

R.T.: 3.440 min
Delta R.T.: -0.002 min
Response: 2625266
Conc: 26.10 ug/ml

Instrument :
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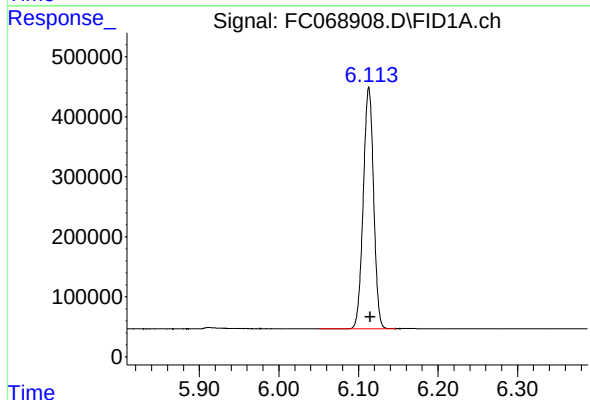
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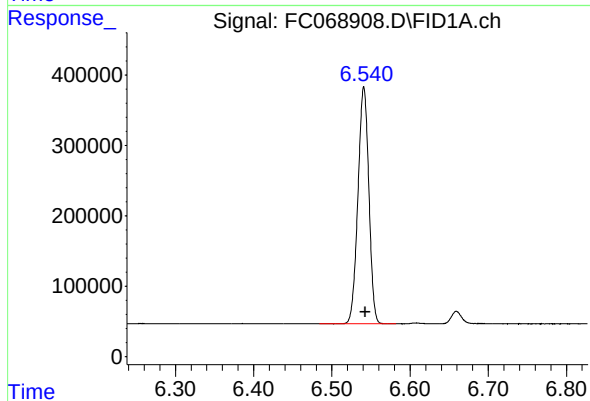
#2 n-Decane (C10)

R.T.: 4.516 min
Delta R.T.: -0.001 min
Response: 3080416
Conc: 30.91 ug/ml



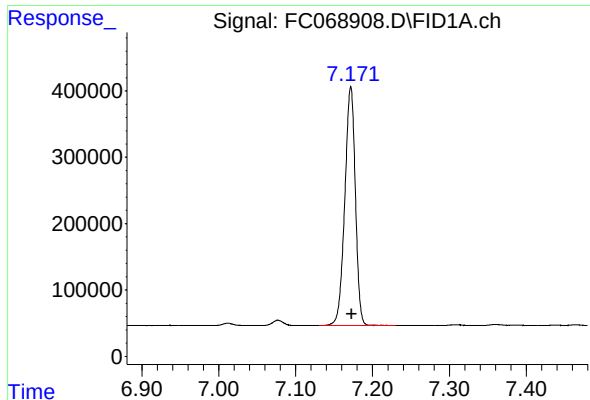
#3 A~Naphthalene (C11.7)

R.T.: 6.113 min
Delta R.T.: -0.002 min
Response: 3637627
Conc: 32.99 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.541 min
Delta R.T.: -0.002 min
Response: 3257891
Conc: 33.53 ug/ml



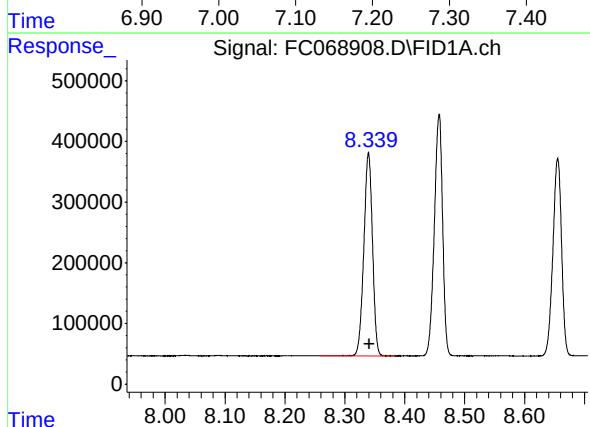
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.172 min
Delta R.T.: -0.002 min
Response: 3418758
Conc: 31.85 ug/ml

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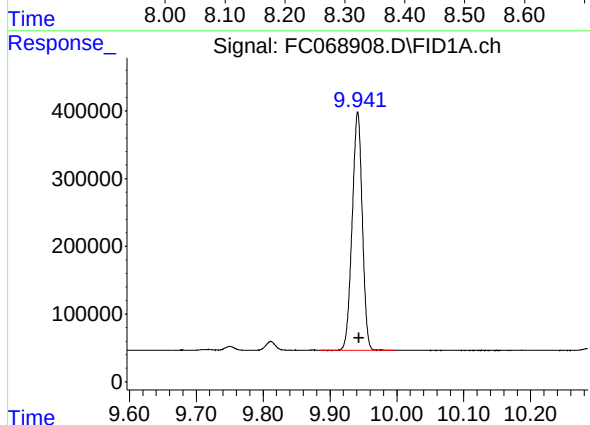
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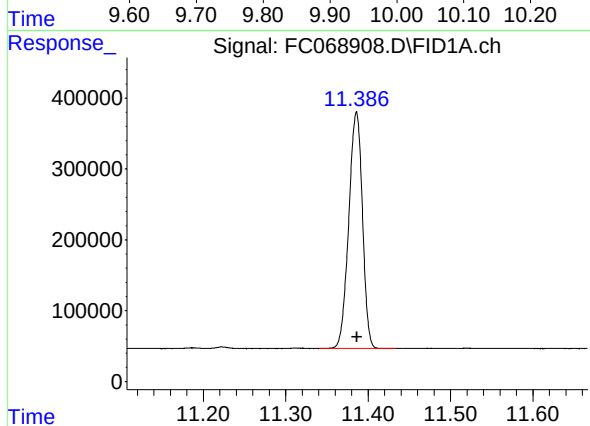
#6 n-Tetradecane (C14)

R.T.: 8.340 min
Delta R.T.: -0.001 min
Response: 3348061
Conc: 36.22 ug/ml



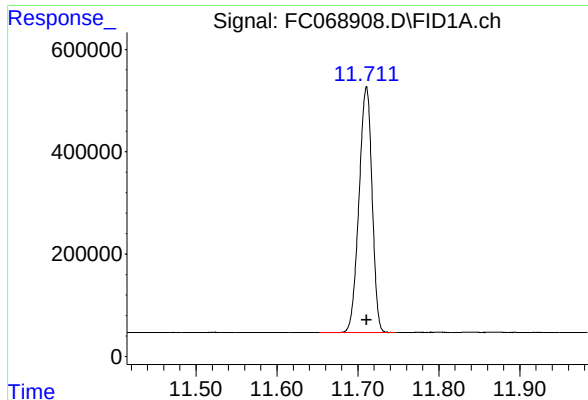
#7 n-Hexadecane (C16)

R.T.: 9.941 min
Delta R.T.: -0.002 min
Response: 3701687
Conc: 41.34 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.386 min
Delta R.T.: 0.000 min
Response: 3844123
Conc: 43.82 ug/ml



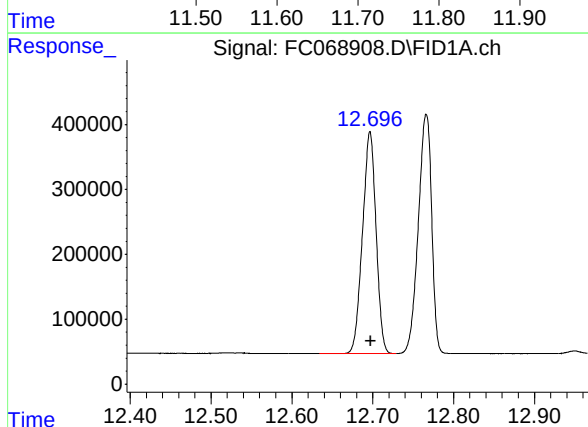
#9 ortho-Terphenyl (SURR)

R.T.: 11.710 min
Delta R.T.: 0.000 min
Response: 5388003
Conc: 47.21 ug/ml

Instrument :
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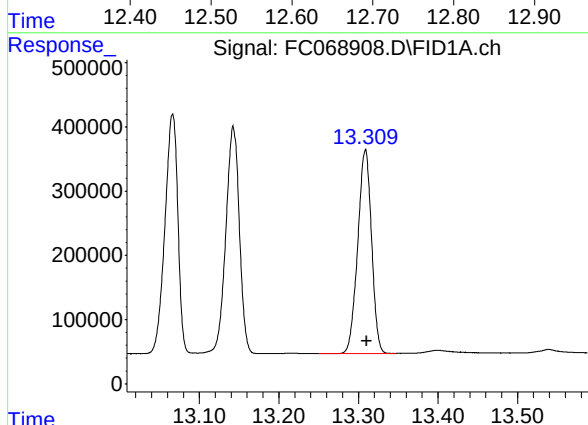
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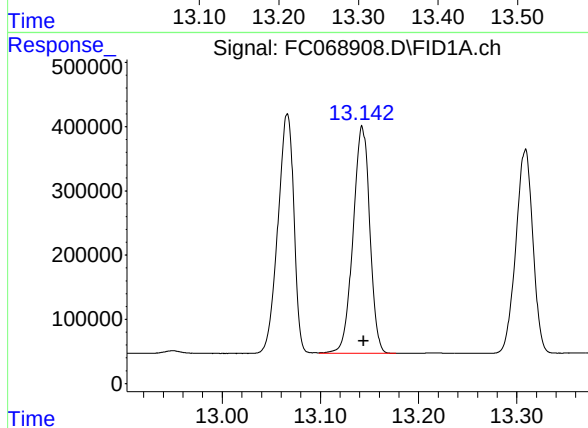
#10 n-Eicosane (C20)

R.T.: 12.697 min
Delta R.T.: 0.000 min
Response: 3974449
Conc: 46.64 ug/ml



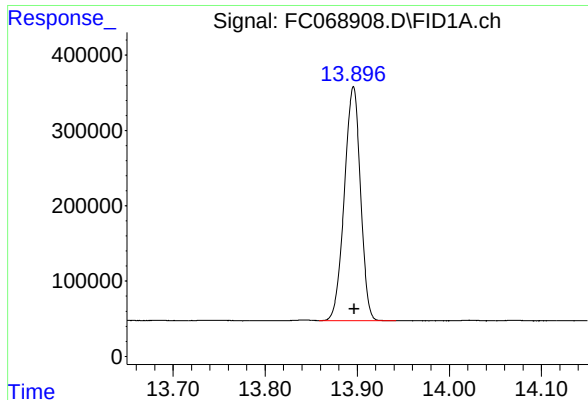
#11 n-Heneicosane (C21)

R.T.: 13.309 min
Delta R.T.: -0.002 min
Response: 3813377
Conc: 45.21 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.143 min
Delta R.T.: -0.001 min
Response: 4189805
Conc: 52.22 ug/ml



#13 n-Docosane (C22)

R.T.: 13.896 min
Delta R.T.: -0.001 min
Response: 3790584
Conc: 45.31 ug/ml

Instrument :

FID_C

ClientSampleId :

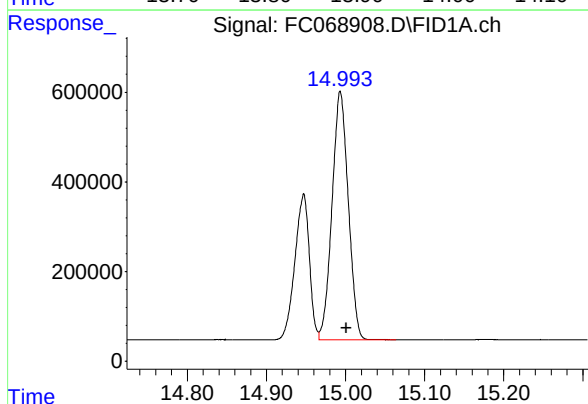
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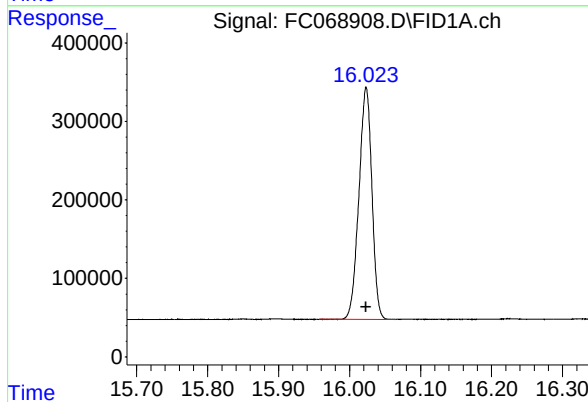
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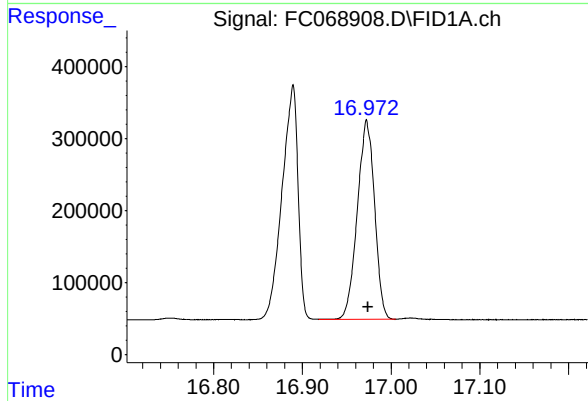
#14 n-Tetracosane (C24)

R.T.: 14.993 min
Delta R.T.: -0.007 min
Response: 7899548
Conc: 94.94 ug/ml



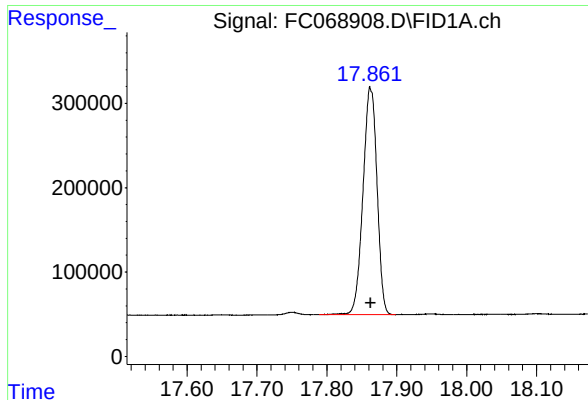
#15 n-Hexacosane (C26)

R.T.: 16.023 min
Delta R.T.: 0.000 min
Response: 3761008
Conc: 45.39 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.973 min
Delta R.T.: -0.002 min
Response: 3740923
Conc: 45.26 ug/ml



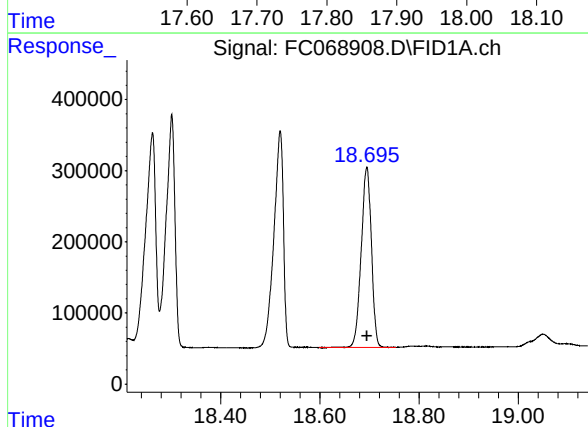
#17 n-Tricontane (C30)

R.T.: 17.863 min
Delta R.T.: 0.000 min
Response: 3756335
Conc: 44.39 ug/ml

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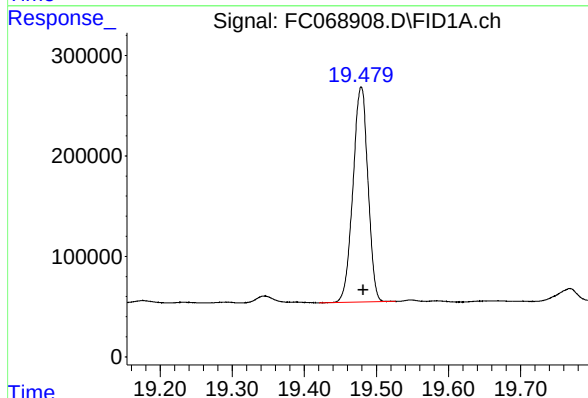
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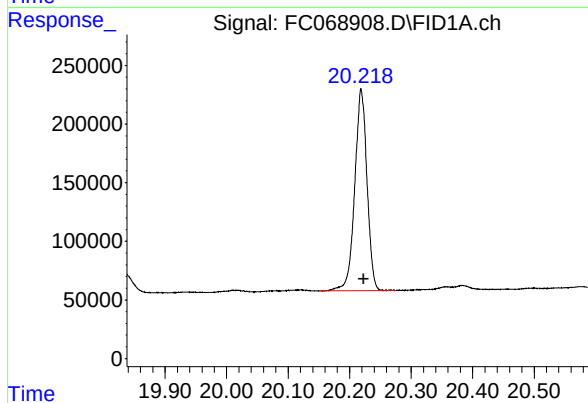
#18 n-Dotriacontane (C32)

R.T.: 18.695 min
Delta R.T.: 0.000 min
Response: 3629675
Conc: 42.14 ug/ml



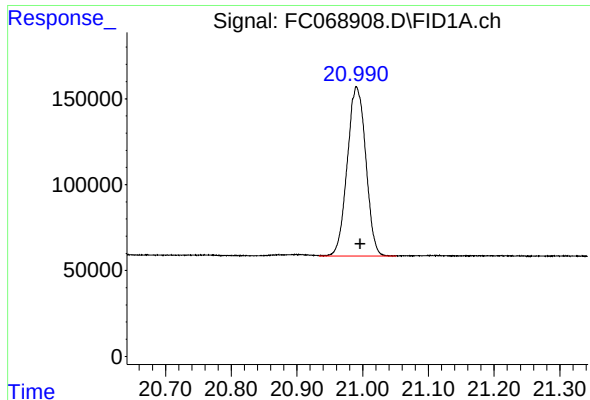
#19 n-Tetratriacontane (C34)

R.T.: 19.479 min
Delta R.T.: -0.003 min
Response: 3098249
Conc: 36.36 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.219 min
Delta R.T.: -0.003 min
Response: 2384651
Conc: 27.75 ug/ml



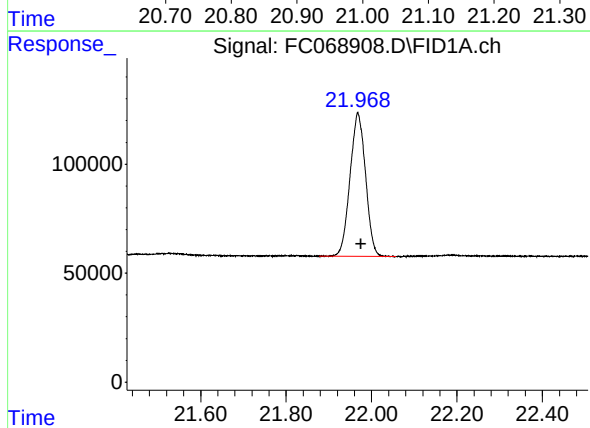
#21 n-Octatriacontane (C38)

R.T.: 20.990 min
Delta R.T.: -0.007 min
Response: 1931778
Conc: 23.03 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.968 min
Delta R.T.: -0.007 min
Response: 1661692
Conc: 20.28 ug/ml