

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC011025AL\
 Data File : FC068100.D
 Signal(s) : FID1A.ch
 Acq On : 10 Jan 2025 17:43
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/13/2025
 Supervised By :Ankita Jodhani 01/13/2025

Integration File: autoint1.e
 Quant Time: Jan 10 22:09:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 123124.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 31 12:18:53 2024
 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)	11.430	3185761	20.714 ug/ml
Spiked Amount 50.000		Recovery =	41.43%
12) S 1-chlorooctadecane (S...	12.870	2336637	20.586 ug/ml
Spiked Amount 50.000		Recovery =	41.17%
Target Compounds			
1) T n-Nonane (C9)	3.234	2810157	20.487 ug/ml
2) T n-Decane (C10)	4.292	2854233	20.652 ug/ml
3) T A~Naphthalene (C11.7)	5.861	3106253	20.657 ug/ml
4) T n-Dodecane (C12)	6.301	2862328	20.699 ug/ml
5) T A~2-methylnaphthalene...	6.914	2984825	20.680 ug/ml
6) T n-Tetradecane (C14)	8.090	2797826	20.703 ug/ml
7) T n-Hexadecane (C16)	9.686	2838619	20.684 ug/ml
8) T n-Octadecane (C18)	11.124	2841766	20.644 ug/ml
10) T n-Eicosane (C20)	12.429	2705329	20.623 ug/ml
11) T n-Heneicosane (C21)	13.040	2643864	20.569 ug/ml
13) T n-Docosane (C22)	13.624	2628641	20.726 ug/ml
14) T n-Tetracosane (C24)	14.724	2638042	21.131 ug/ml
15) T n-Hexacosane (C26)	15.743	2587967	21.240 ug/ml
16) T n-Octacosane (C28)	16.691	2579757	21.710 ug/ml
17) T n-Tricontane (C30)	17.577	2648606	22.193 ug/ml
18) T n-Dotriacontane (C32)	18.406	2541101	22.334 ug/mlm
19) T n-Tetratriacontane (C34)	19.188	2194182	22.043 ug/mlm
20) T n-Hexatriacontane (C36)	19.928	1861770	21.422 ug/mlm
21) T n-Octatriacontane (C38)	20.642	1715476	20.763 ug/ml
22) T n-Tetracontane (C40)	21.503	1644112	20.437 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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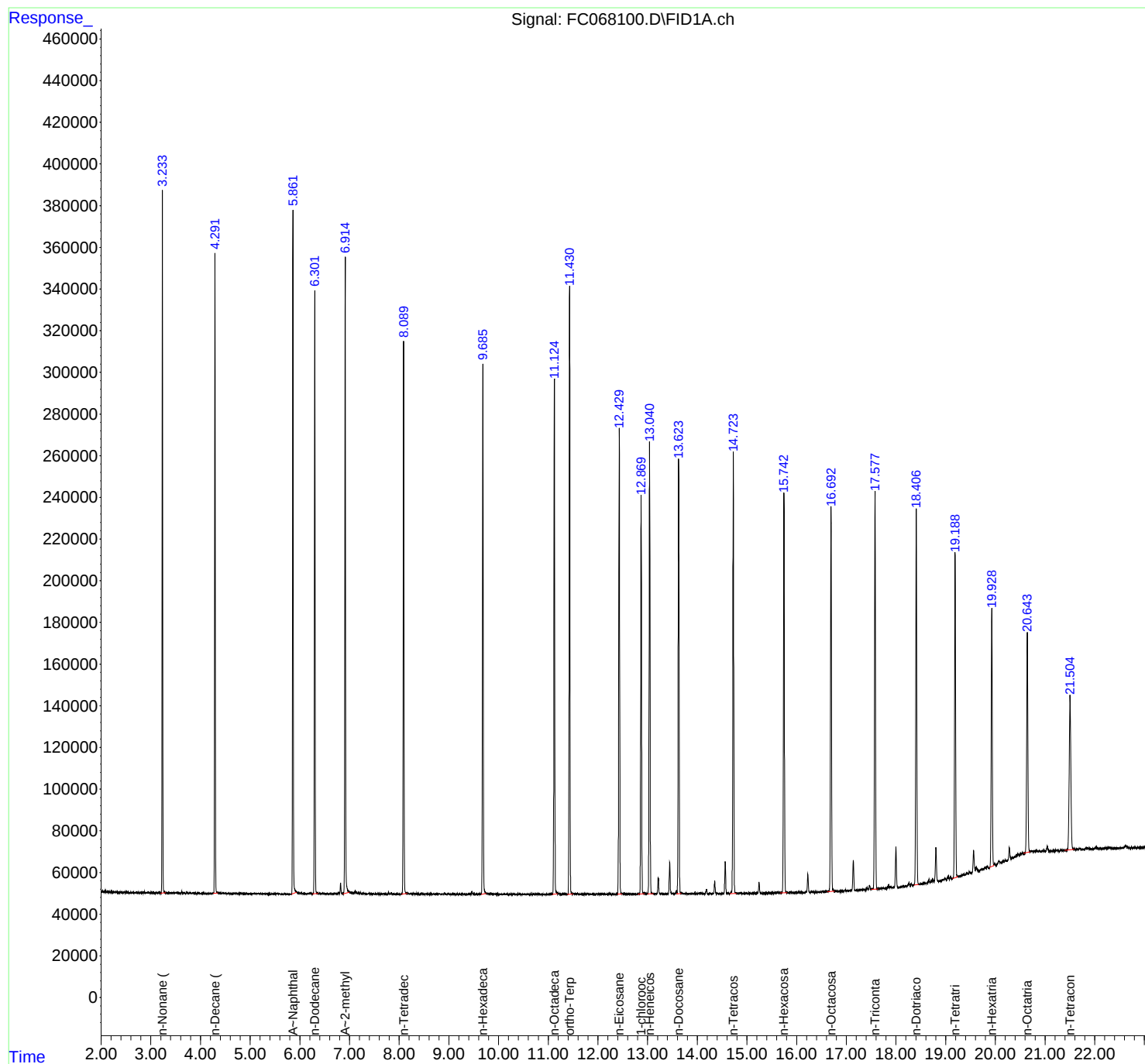
Instrument :
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20 PPM ALIPHATIC HC STD

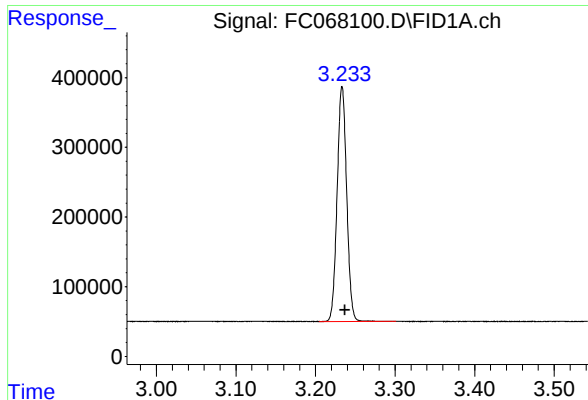
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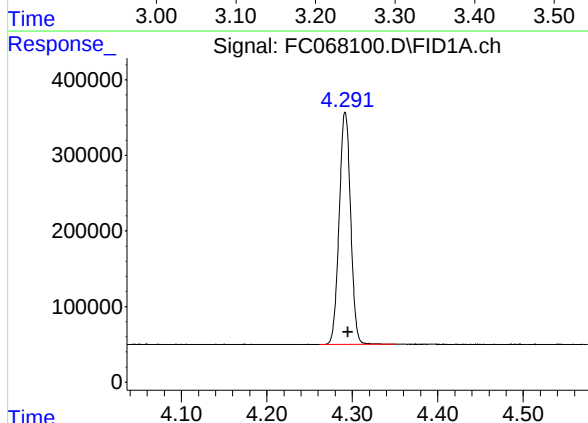
#1 n-Nonane (C9)

R.T.: 3.234 min
Delta R.T.: -0.003 min
Response: 2810157
Conc: 20.49 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

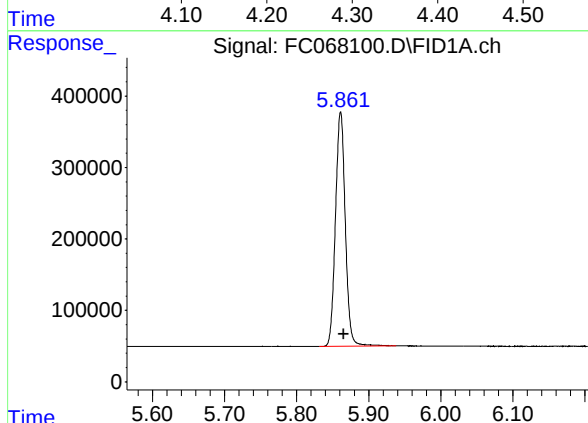
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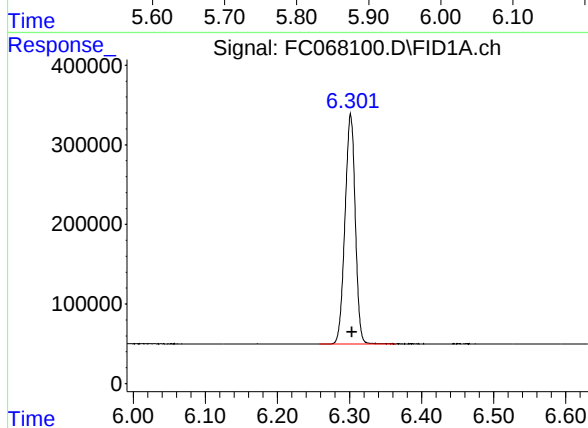
#2 n-Decane (C10)

R.T.: 4.292 min
Delta R.T.: -0.003 min
Response: 2854233
Conc: 20.65 ug/ml



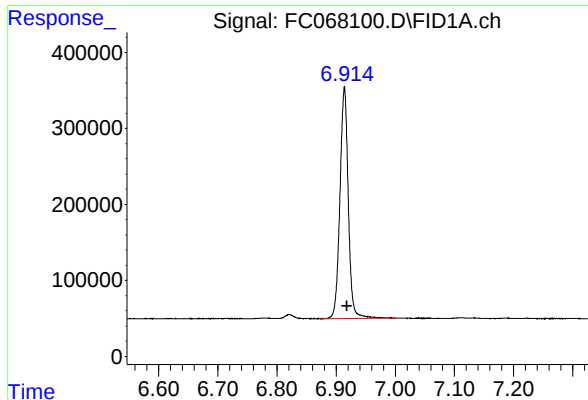
#3 A~Naphthalene (C11.7)

R.T.: 5.861 min
Delta R.T.: -0.005 min
Response: 3106253
Conc: 20.66 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.301 min
Delta R.T.: -0.002 min
Response: 2862328
Conc: 20.70 ug/ml



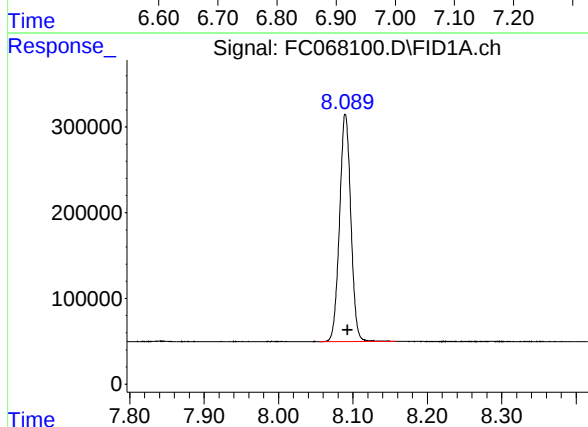
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.914 min
Delta R.T.: -0.004 min
Response: 2984825
Conc: 20.68 ug/ml

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20 PPM ALIPHATIC HC STD

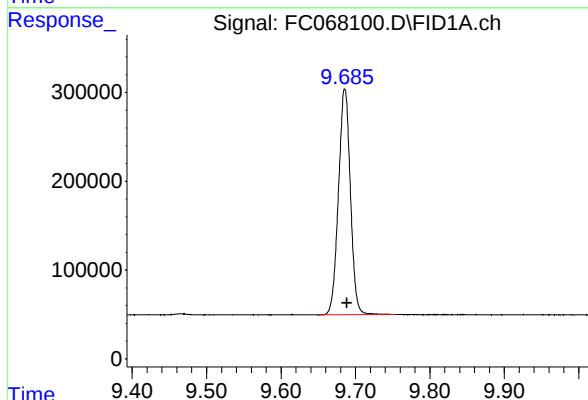
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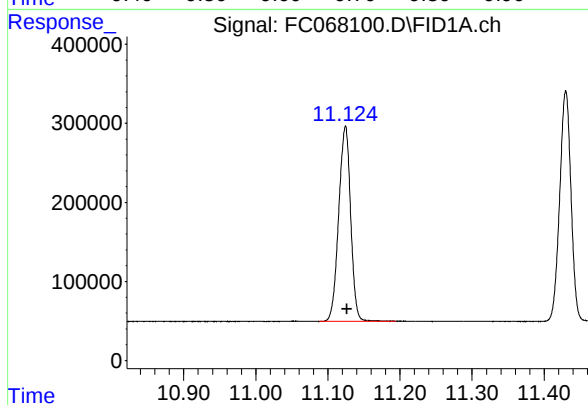
#6 n-Tetradecane (C14)

R.T.: 8.090 min
Delta R.T.: -0.003 min
Response: 2797826
Conc: 20.70 ug/ml



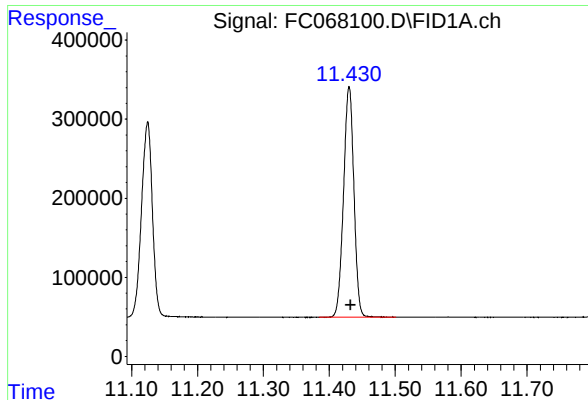
#7 n-Hexadecane (C16)

R.T.: 9.686 min
Delta R.T.: -0.003 min
Response: 2838619
Conc: 20.68 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.124 min
Delta R.T.: -0.002 min
Response: 2841766
Conc: 20.64 ug/ml



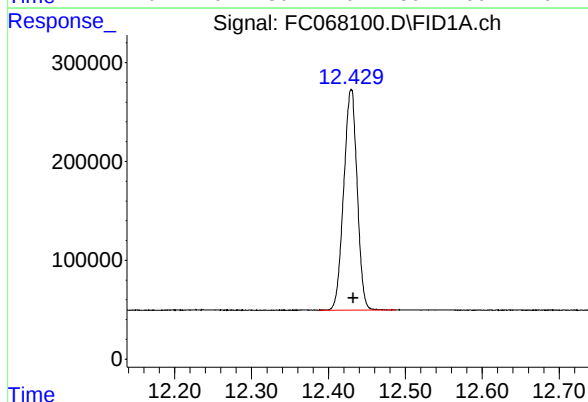
#9 ortho-Terphenyl (SURR)

R.T.: 11.430 min
Delta R.T.: -0.002 min
Response: 3185761
Conc: 20.71 ug/ml

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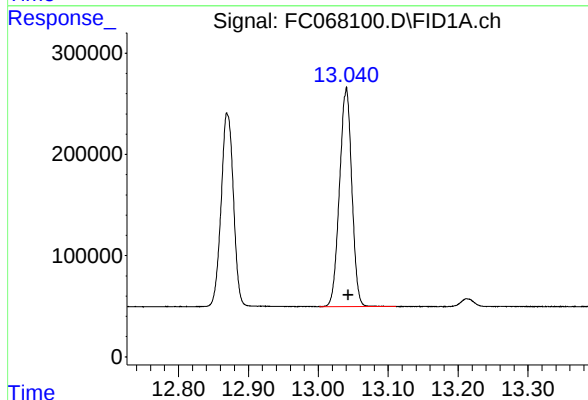
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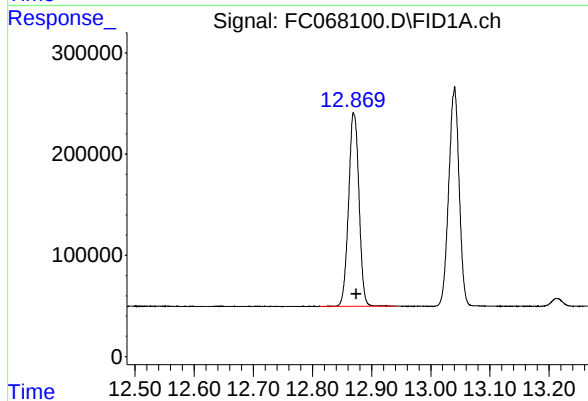
#10 n-Eicosane (C20)

R.T.: 12.429 min
Delta R.T.: -0.003 min
Response: 2705329
Conc: 20.62 ug/ml



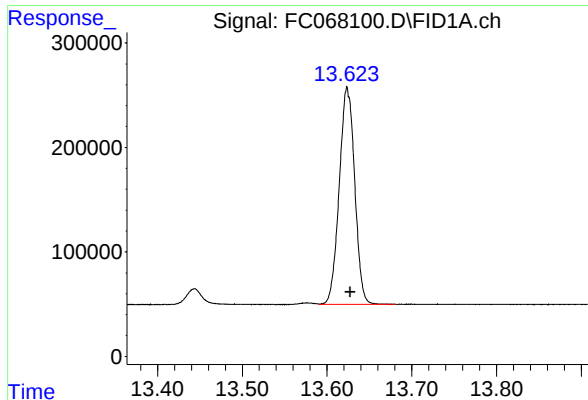
#11 n-Heneicosane (C21)

R.T.: 13.040 min
Delta R.T.: -0.003 min
Response: 2643864
Conc: 20.57 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.870 min
Delta R.T.: -0.004 min
Response: 2336637
Conc: 20.59 ug/ml



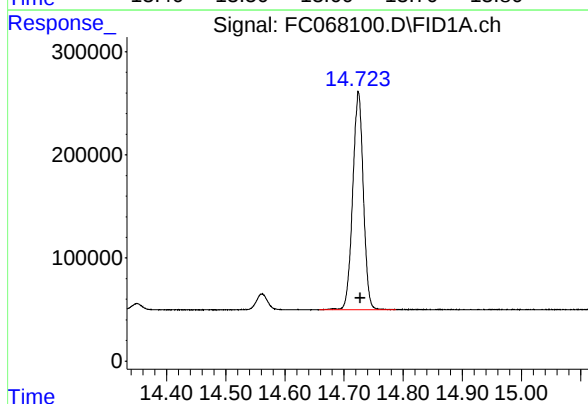
#13 n-Docosane (C22)

R.T.: 13.624 min
Delta R.T.: -0.004 min
Response: 2628641
Conc: 20.73 ug/ml

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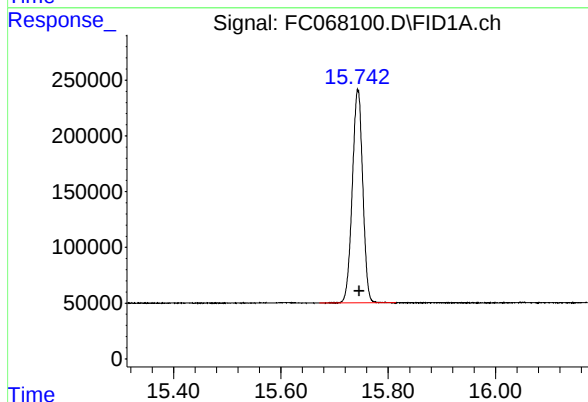
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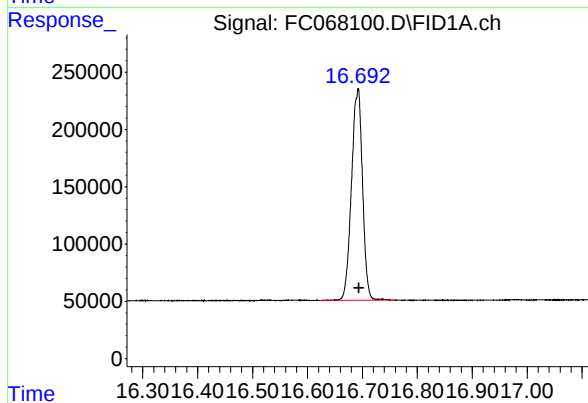
#14 n-Tetracosane (C24)

R.T.: 14.724 min
Delta R.T.: -0.003 min
Response: 2638042
Conc: 21.13 ug/ml



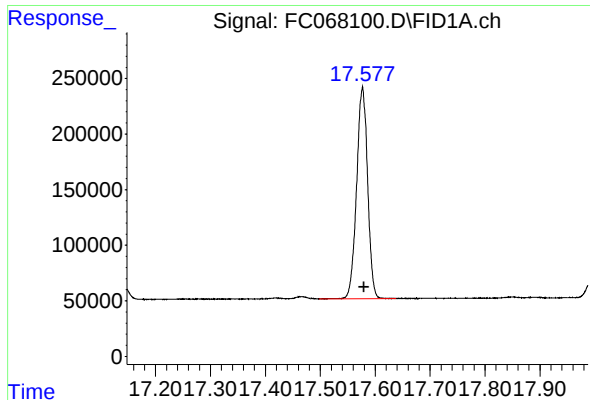
#15 n-Hexacosane (C26)

R.T.: 15.743 min
Delta R.T.: -0.003 min
Response: 2587967
Conc: 21.24 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.691 min
Delta R.T.: -0.003 min
Response: 2579757
Conc: 21.71 ug/ml



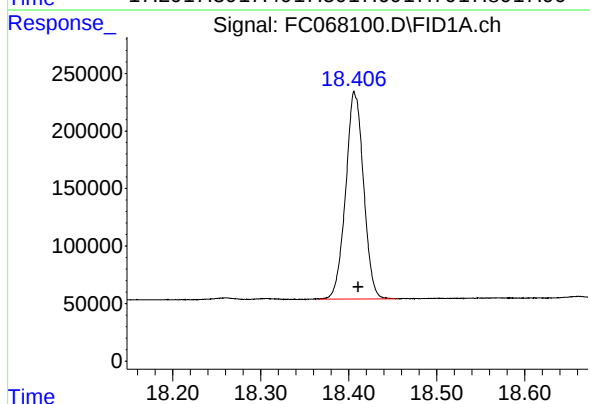
#17 n-Tricontane (C30)

R.T.: 17.577 min
Delta R.T.: -0.003 min
Response: 2648606
Conc: 22.19 ug/ml

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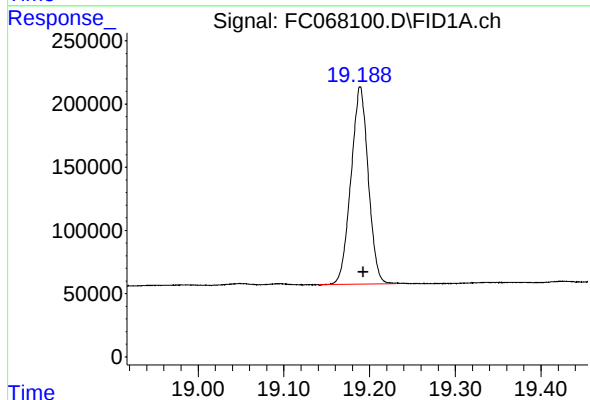
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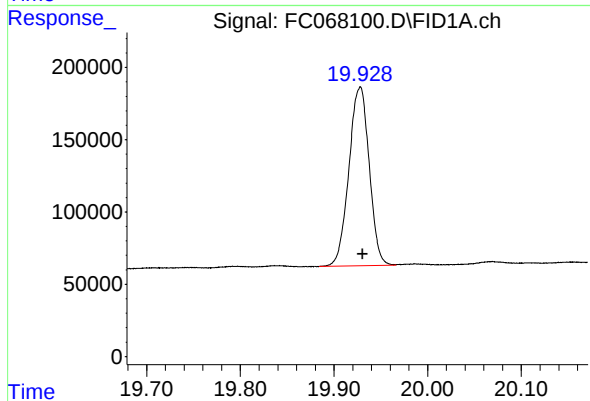
#18 n-Dotriacontane (C32)

R.T.: 18.406 min
Delta R.T.: -0.005 min
Response: 2541101
Conc: 22.33 ug/ml m



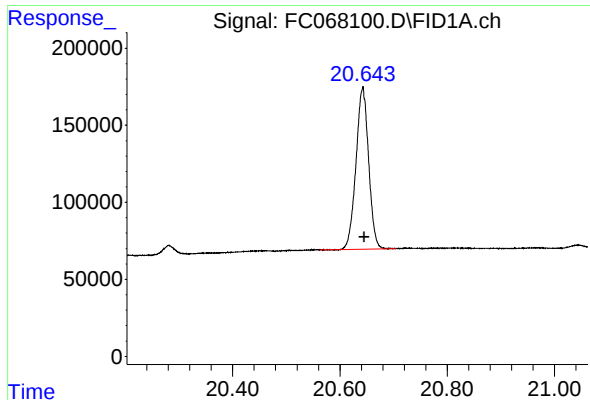
#19 n-Tetatriacontane (C34)

R.T.: 19.188 min
Delta R.T.: -0.005 min
Response: 2194182
Conc: 22.04 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.928 min
Delta R.T.: -0.003 min
Response: 1861770
Conc: 21.42 ug/ml m



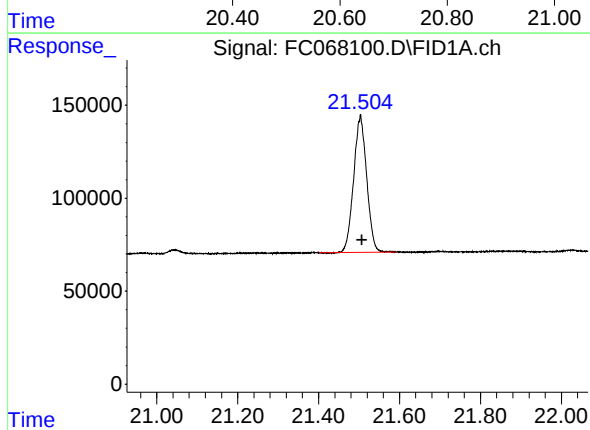
#21 n-Octatriacontane (C38)

R.T.: 20.642 min
Delta R.T.: -0.003 min
Response: 1715476
Conc: 20.76 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.503 min
Delta R.T.: -0.004 min
Response: 1644112
Conc: 20.44 ug/ml