

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC013125AL\
 Data File : FC068161.D
 Signal(s) : FID1A.ch
 Acq On : 31 Jan 2025 12:15
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/03/2025
 Supervised By :Ankita Jodhani 02/03/2025

Integration File: autoint1.e
 Quant Time: Jan 31 22:14:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 04:31:18 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)	11.420	3257635	20.847 ug/ml
Spiked Amount 50.000		Recovery =	41.69%
12) S 1-chlorooctadecane (S...	12.860	2410405	20.960 ug/ml
Spiked Amount 50.000		Recovery =	41.92%
Target Compounds			
1) T n-Nonane (C9)	3.228	2938086	21.456 ug/ml
2) T n-Decane (C10)	4.285	3005135	21.646 ug/ml
3) T A~Naphthalene (C11.7)	5.853	3262384	21.731 ug/ml
4) T n-Dodecane (C12)	6.294	2998286	21.463 ug/ml
5) T A~2-methylnaphthalene...	6.905	3105257	21.619 ug/ml
6) T n-Tetradecane (C14)	8.081	2901432	21.259 ug/ml
7) T n-Hexadecane (C16)	9.677	2932610	21.106 ug/ml
8) T n-Octadecane (C18)	11.114	2941359	21.022 ug/ml
10) T n-Eicosane (C20)	12.420	2805836	20.970 ug/ml
11) T n-Heneicosane (C21)	13.029	2746968	20.915 ug/ml
13) T n-Docosane (C22)	13.614	2735337	21.117 ug/ml
14) T n-Tetracosane (C24)	14.713	2738248	21.328 ug/mlm
15) T n-Hexacosane (C26)	15.733	2696592	21.429 ug/ml
16) T n-Octacosane (C28)	16.680	2671943	21.363 ug/ml
17) T n-Tricontane (C30)	17.566	2735091	21.160 ug/ml
18) T n-Dotriacontane (C32)	18.396	2635480	21.082 ug/ml
19) T n-Tetratriacontane (C34)	19.178	2291367	21.123 ug/ml
20) T n-Hexatriacontane (C36)	19.916	1958831	21.167 ug/ml
21) T n-Octatriacontane (C38)	20.629	1842839	21.506 ug/ml
22) T n-Tetracontane (C40)	21.488	1772011	21.915 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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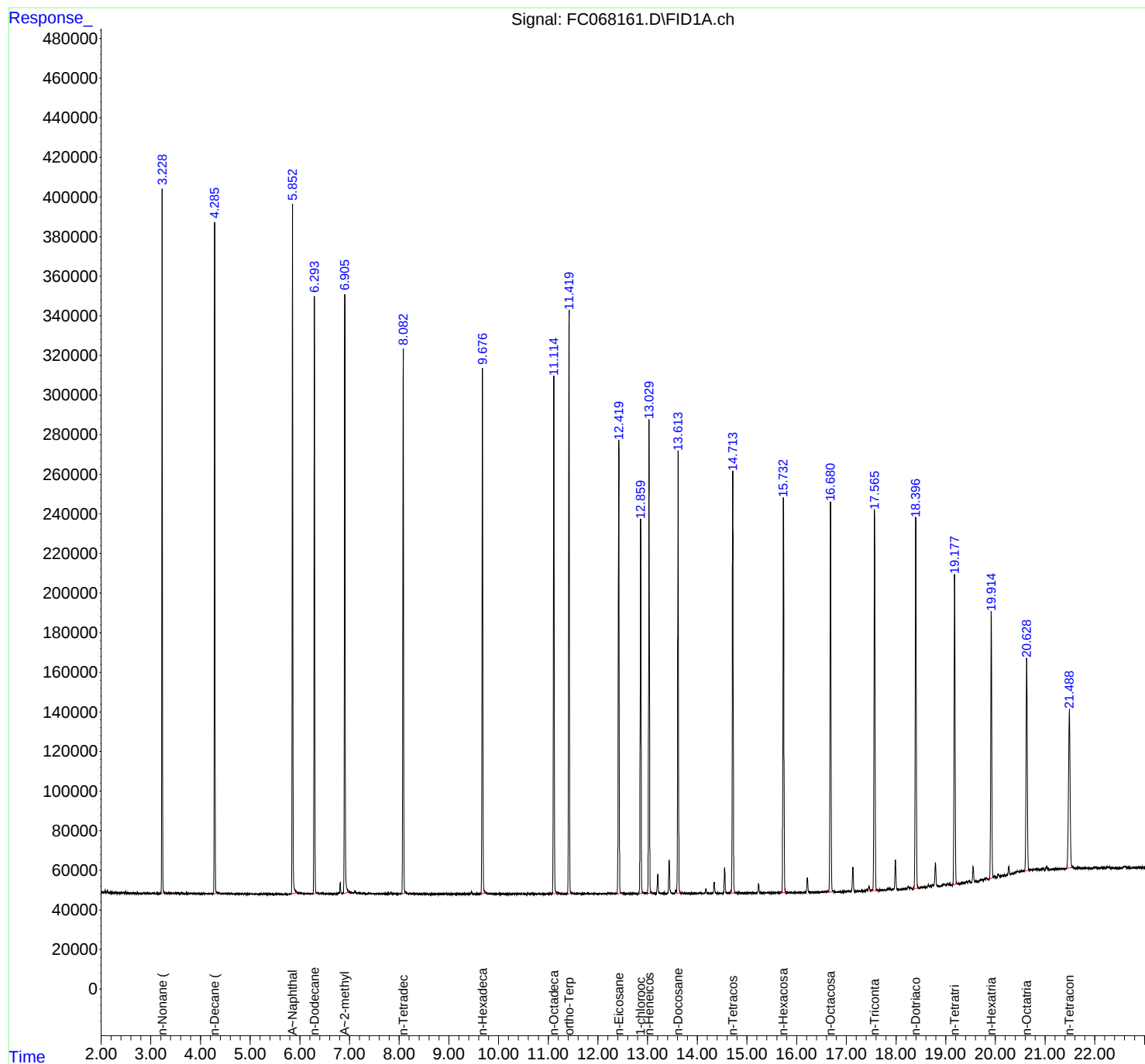
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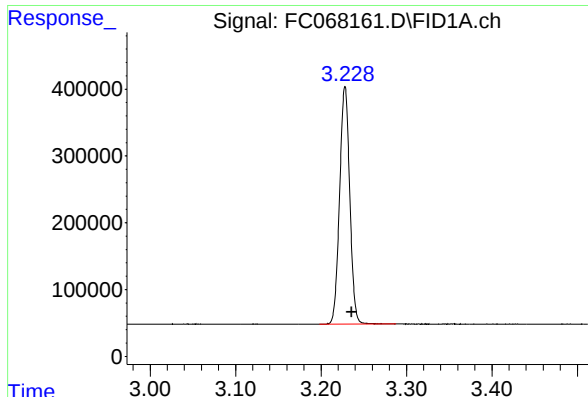
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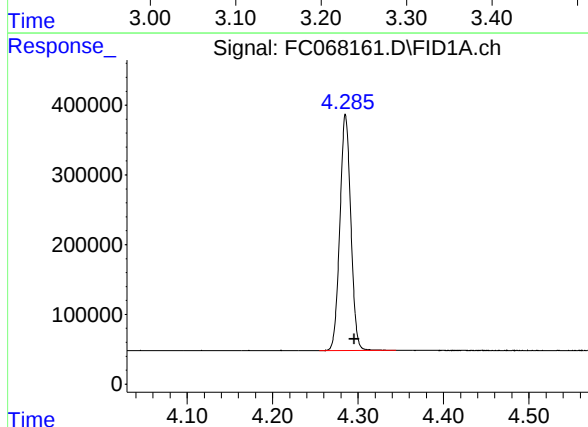
#1 n-Nonane (C9)

R.T.: 3.228 min
Delta R.T.: -0.008 min
Response: 2938086
Conc: 21.46 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

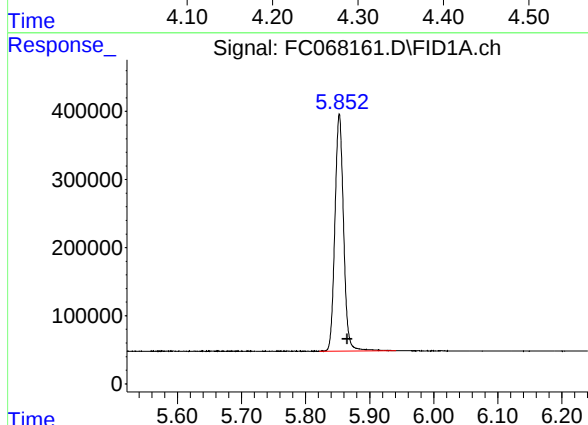
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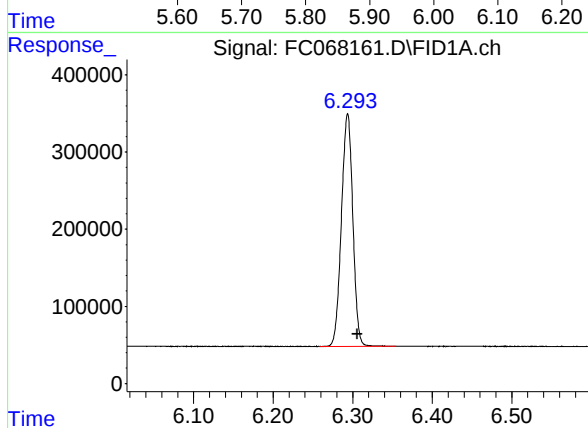
#2 n-Decane (C10)

R.T.: 4.285 min
Delta R.T.: -0.010 min
Response: 3005135
Conc: 21.65 ug/ml



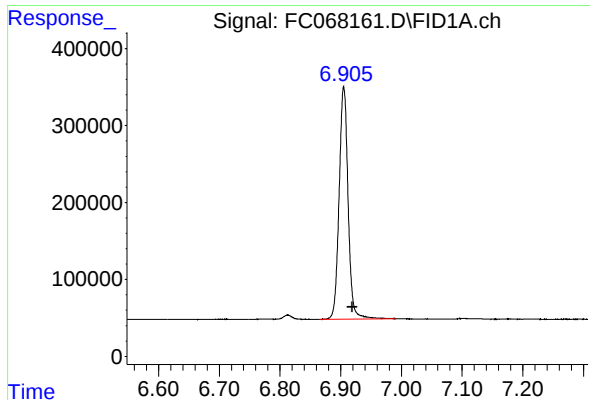
#3 A~Naphthalene (C11.7)

R.T.: 5.853 min
Delta R.T.: -0.012 min
Response: 3262384
Conc: 21.73 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.294 min
Delta R.T.: -0.012 min
Response: 2998286
Conc: 21.46 ug/ml



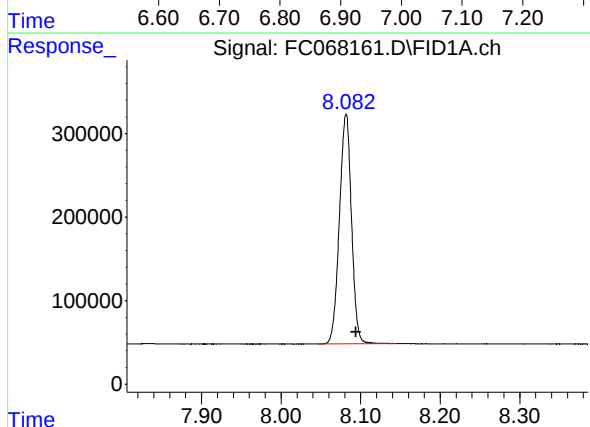
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.905 min
Delta R.T.: -0.014 min
Response: 3105257
Conc: 21.62 ug/ml

Instrument :
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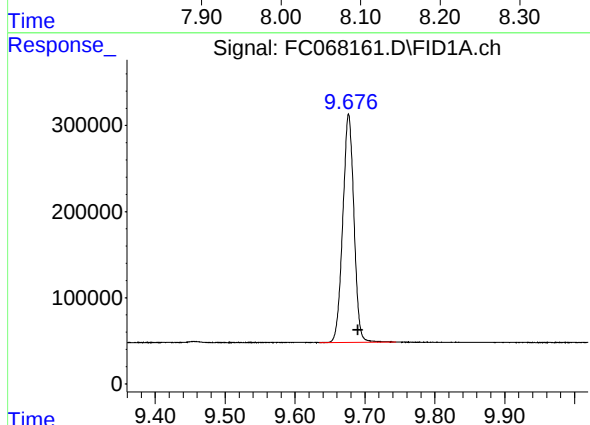
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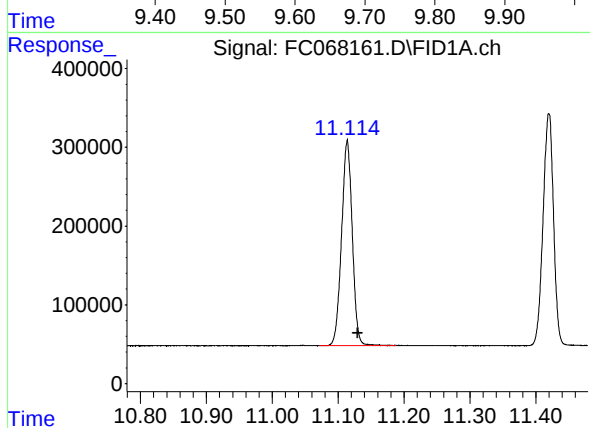
#6 n-Tetradecane (C14)

R.T.: 8.081 min
Delta R.T.: -0.012 min
Response: 2901432
Conc: 21.26 ug/ml



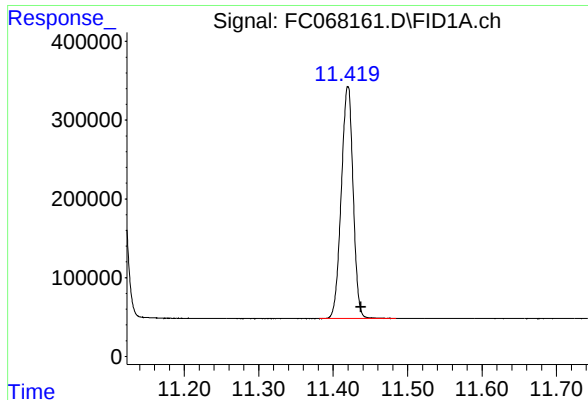
#7 n-Hexadecane (C16)

R.T.: 9.677 min
Delta R.T.: -0.013 min
Response: 2932610
Conc: 21.11 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.114 min
Delta R.T.: -0.016 min
Response: 2941359
Conc: 21.02 ug/ml



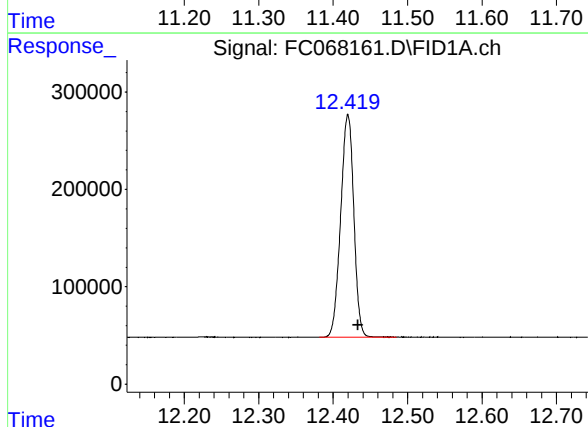
#9 ortho-Terphenyl (SURR)

R.T.: 11.420 min
Delta R.T.: -0.018 min
Response: 3257635
Conc: 20.85 ug/ml

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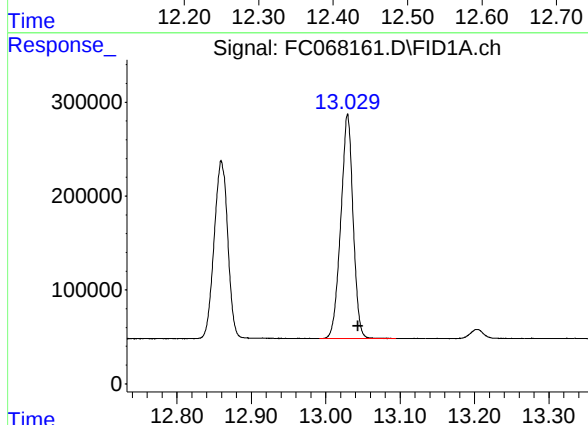
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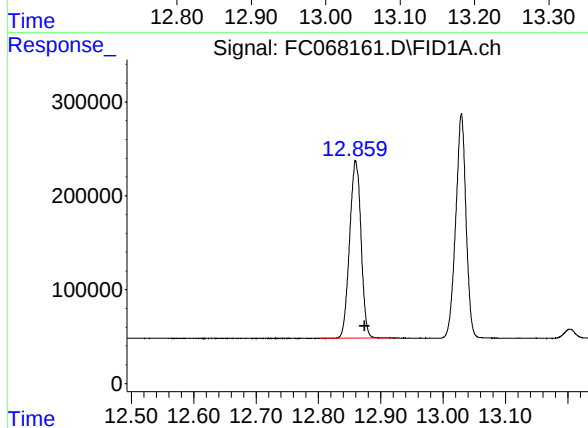
#10 n-Eicosane (C20)

R.T.: 12.420 min
Delta R.T.: -0.014 min
Response: 2805836
Conc: 20.97 ug/ml



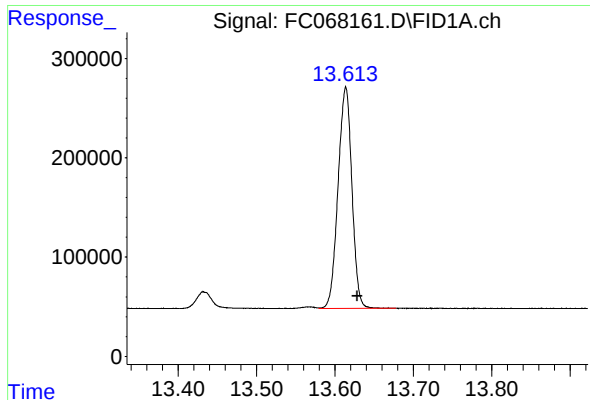
#11 n-Heneicosane (C21)

R.T.: 13.029 min
Delta R.T.: -0.014 min
Response: 2746968
Conc: 20.91 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.860 min
Delta R.T.: -0.014 min
Response: 2410405
Conc: 20.96 ug/ml



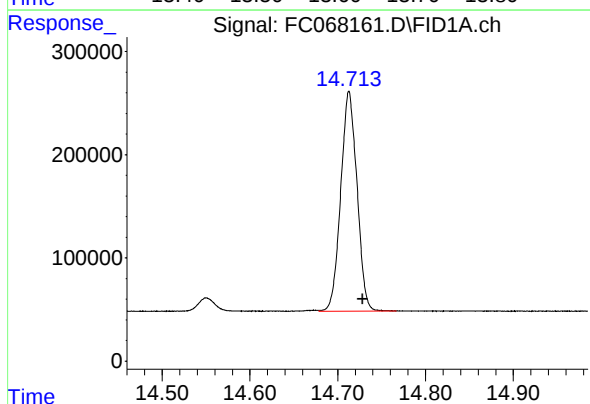
#13 n-Docosane (C22)

R.T.: 13.614 min
Delta R.T.: -0.015 min
Response: 2735337
Conc: 21.12 ug/ml

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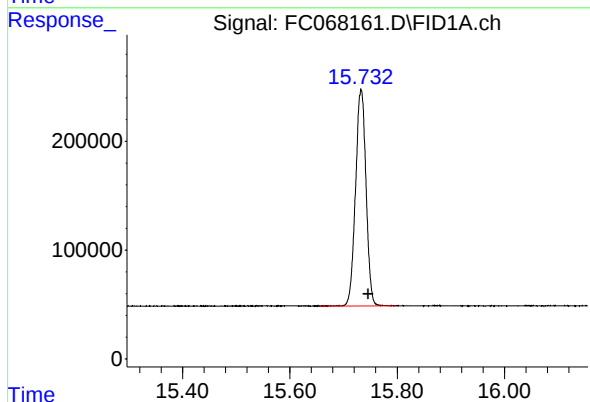
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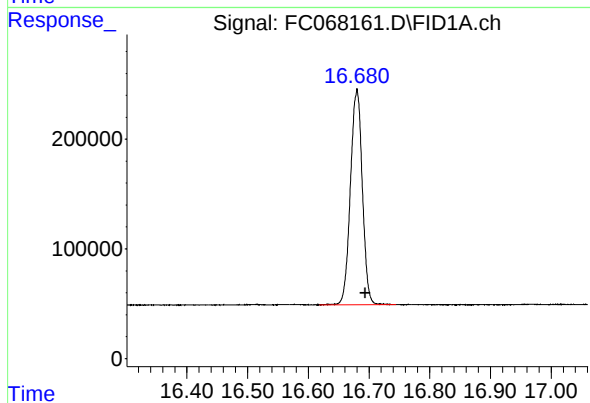
#14 n-Tetracosane (C24)

R.T.: 14.713 min
Delta R.T.: -0.015 min
Response: 2738248
Conc: 21.33 ug/ml



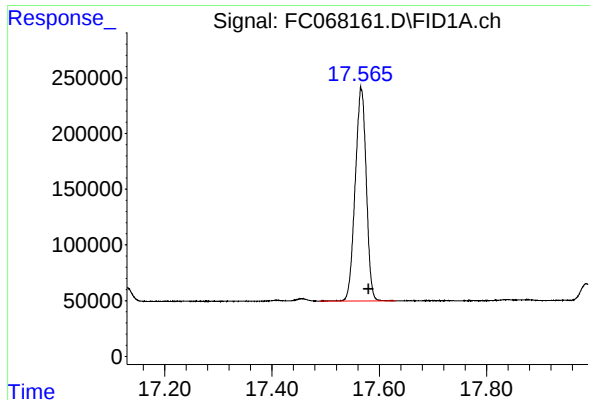
#15 n-Hexacosane (C26)

R.T.: 15.733 min
Delta R.T.: -0.013 min
Response: 2696592
Conc: 21.43 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.680 min
Delta R.T.: -0.014 min
Response: 2671943
Conc: 21.36 ug/ml



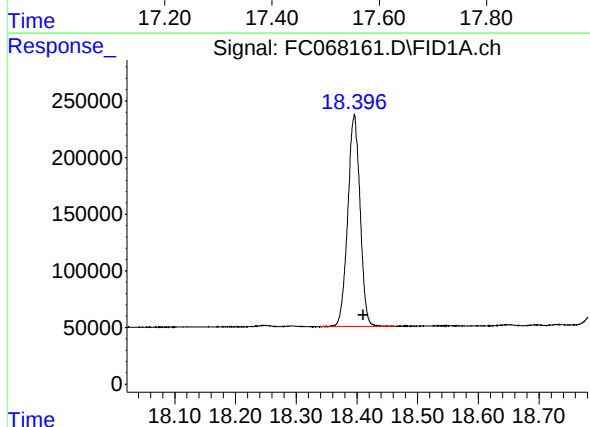
#17 n-Tricontane (C30)

R.T.: 17.566 min
Delta R.T.: -0.014 min
Response: 2735091
Conc: 21.16 ug/ml

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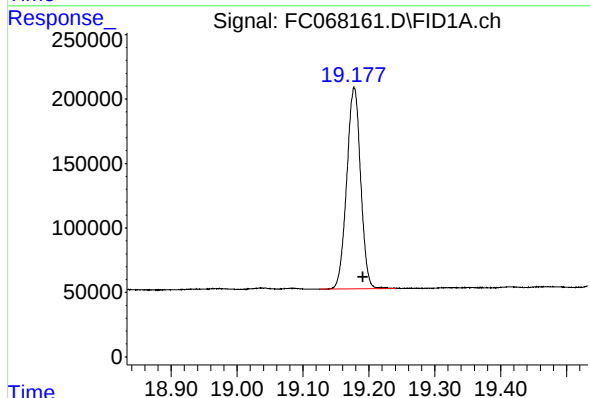
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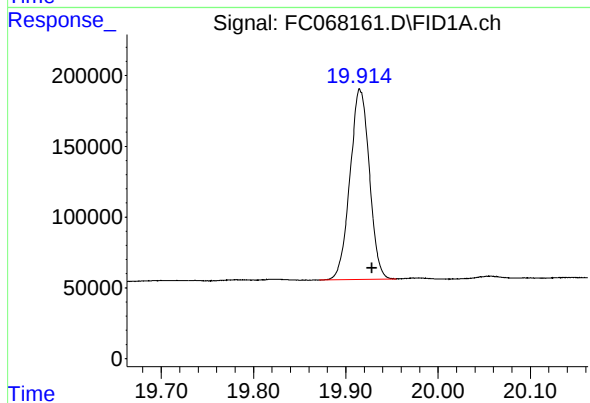
#18 n-Dotriacontane (C32)

R.T.: 18.396 min
Delta R.T.: -0.015 min
Response: 2635480
Conc: 21.08 ug/ml



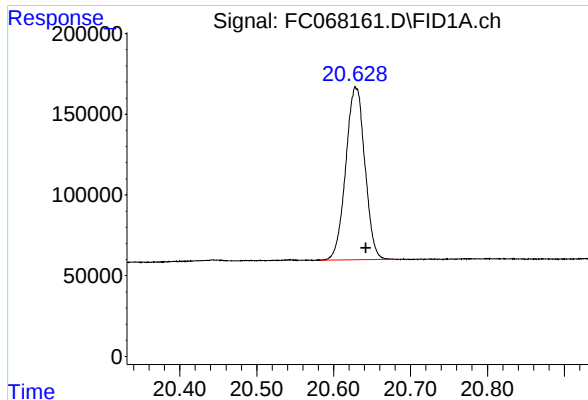
#19 n-Tetratriacontane (C34)

R.T.: 19.178 min
Delta R.T.: -0.013 min
Response: 2291367
Conc: 21.12 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.916 min
Delta R.T.: -0.013 min
Response: 1958831
Conc: 21.17 ug/ml



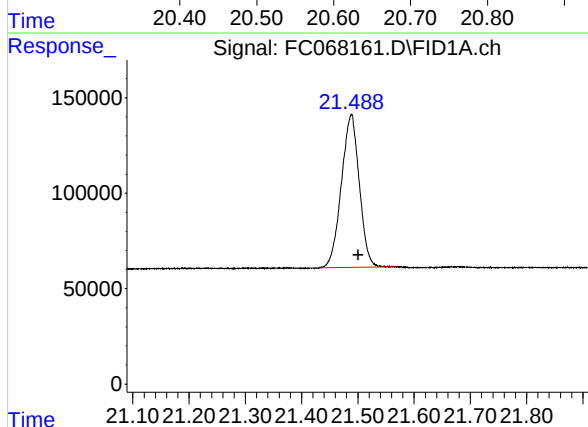
#21 n-Octatriacontane (C38)

R.T.: 20.629 min
Delta R.T.: -0.013 min
Response: 1842839
Conc: 21.51 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.488 min
Delta R.T.: -0.013 min
Response: 1772011
Conc: 21.91 ug/ml