

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021725AL\
 Data File : FC068283.D
 Signal(s) : FID1A.ch
 Acq On : 17 Feb 2025 20:24
 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 02/18/2025
 Supervised By :Ankita Jodhani 02/18/2025

Integration File: autoint1.e
 Quant Time: Feb 18 02:08:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 12 12:52:40 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)	11.401	2863194	18.322 ug/ml
Spiked Amount 50.000		Recovery =	36.64%
12) S 1-chlorooctadecane (S...	12.843	2132134	18.540 ug/ml
Spiked Amount 50.000		Recovery =	37.08%
Target Compounds			
1) T n-Nonane (C9)	3.207	2644475	19.312 ug/ml
2) T n-Decane (C10)	4.265	2723732	19.619 ug/ml
3) T A~Naphthalene (C11.7)	5.832	2949282	19.645 ug/ml
4) T n-Dodecane (C12)	6.274	2696443	19.302 ug/ml
5) T A~2-methylnaphthalene...	6.885	2795925	19.466 ug/ml
6) T n-Tetradecane (C14)	8.062	2598814	19.042 ug/ml
7) T n-Hexadecane (C16)	9.658	2625449	18.895 ug/ml
8) T n-Octadecane (C18)	11.097	2616762	18.702 ug/ml
10) T n-Eicosane (C20)	12.403	2487755	18.593 ug/ml
11) T n-Heneicosane (C21)	13.013	2426065	18.472 ug/ml
13) T n-Docosane (C22)	13.598	2420217	18.684 ug/ml
14) T n-Tetracosane (C24)	14.699	2433775	18.957 ug/ml
15) T n-Hexacosane (C26)	15.719	2409918	19.151 ug/ml
16) T n-Octacosane (C28)	16.667	2460535	19.673 ug/ml
17) T n-Tricontane (C30)	17.553	2640608	20.429 ug/ml
18) T n-Dotriacontane (C32)	18.383	2635573	21.083 ug/mlm
19) T n-Tetratriacontane (C34)	19.167	2292613	21.135 ug/ml
20) T n-Hexatriacontane (C36)	19.906	1958656	21.165 ug/ml
21) T n-Octatriacontane (C38)	20.620	1796641	20.967 ug/ml
22) T n-Tetracontane (C40)	21.475	1852102	22.905 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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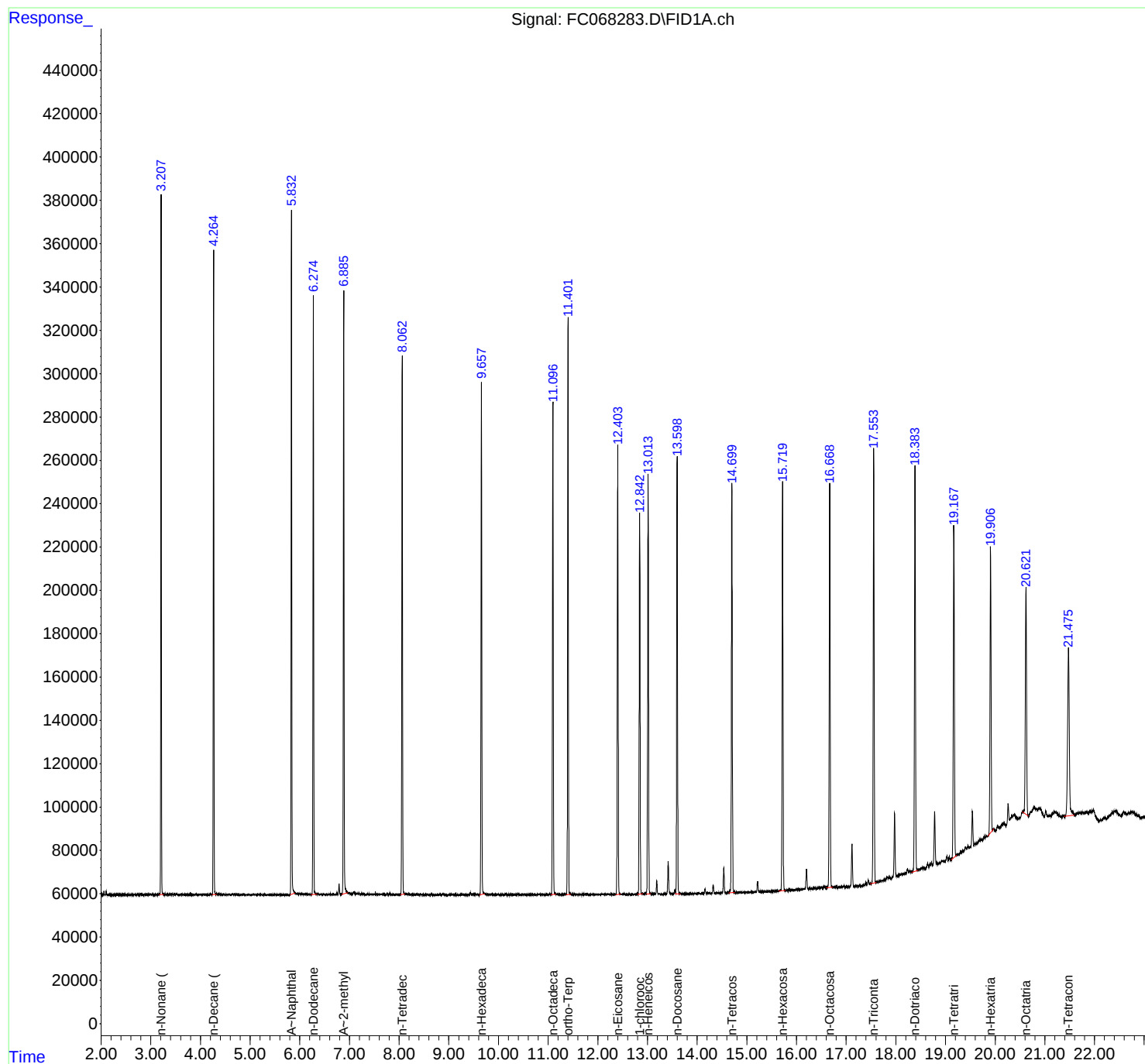
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20 PPM ALIPHATIC HC STD

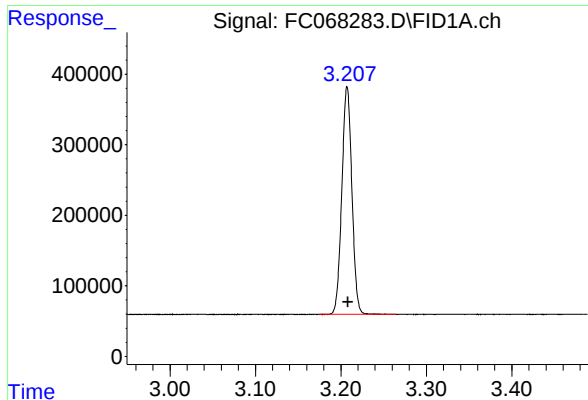
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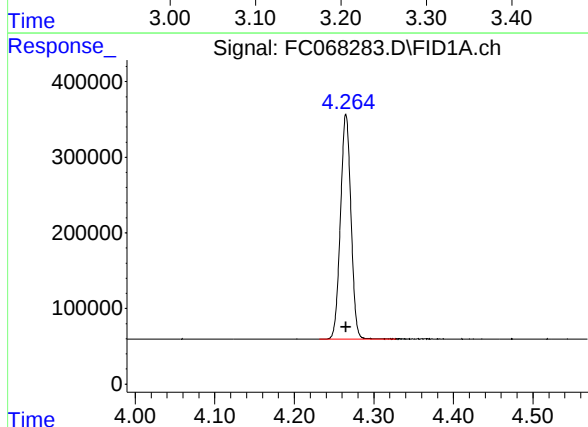
#1 n-Nonane (C9)

R.T.: 3.207 min
Delta R.T.: 0.000 min
Response: 2644475
Conc: 19.31 ug/ml

Instrument : FID_C
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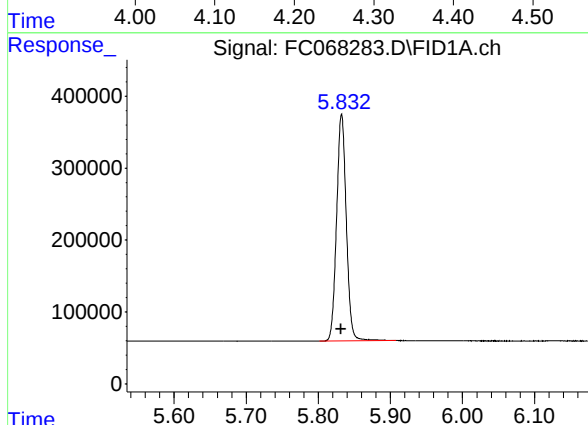
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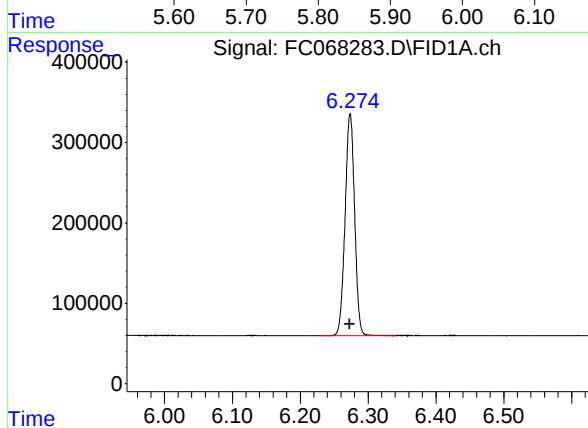
#2 n-Decane (C10)

R.T.: 4.265 min
Delta R.T.: 0.000 min
Response: 2723732
Conc: 19.62 ug/ml



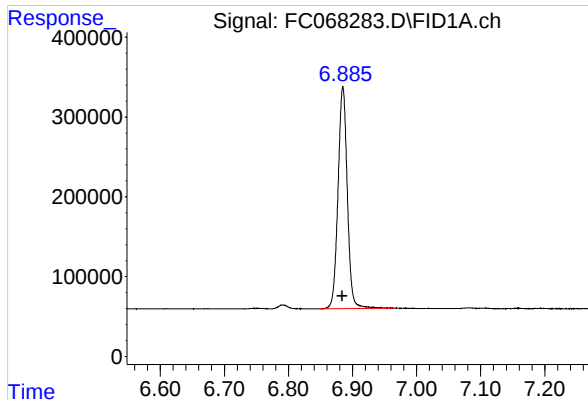
#3 A~Naphthalene (C11.7)

R.T.: 5.832 min
Delta R.T.: 0.000 min
Response: 2949282
Conc: 19.65 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.274 min
Delta R.T.: 0.000 min
Response: 2696443
Conc: 19.30 ug/ml



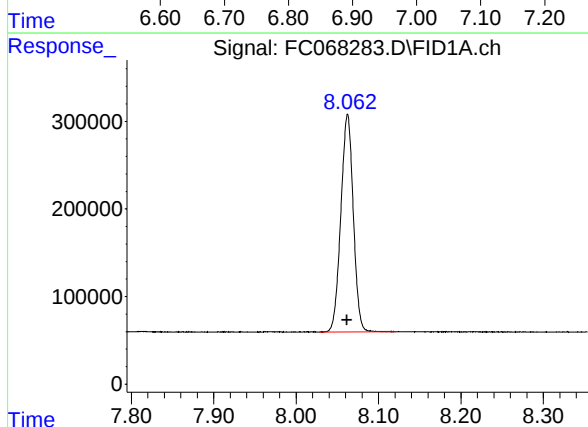
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.885 min
Delta R.T.: 0.000 min
Response: 2795925
Conc: 19.47 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

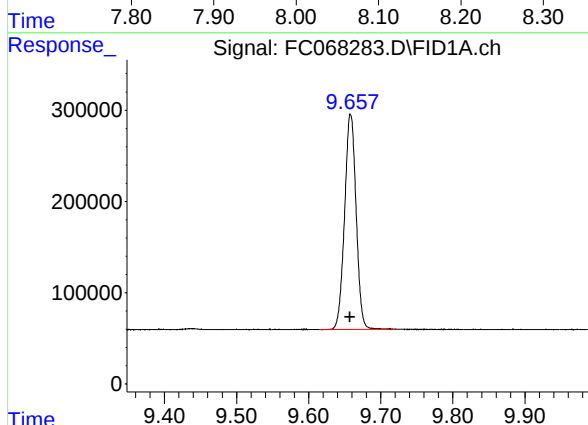
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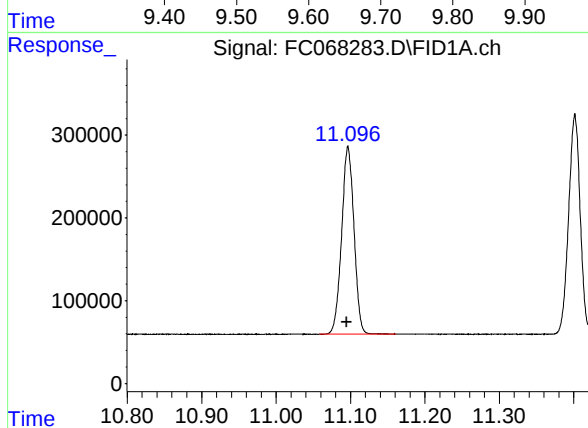
#6 n-Tetradecane (C14)

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 2598814
Conc: 19.04 ug/ml



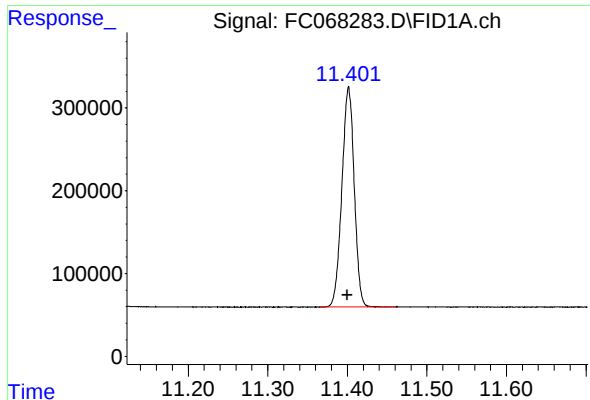
#7 n-Hexadecane (C16)

R.T.: 9.658 min
Delta R.T.: 0.000 min
Response: 2625449
Conc: 18.90 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.097 min
Delta R.T.: 0.002 min
Response: 2616762
Conc: 18.70 ug/ml



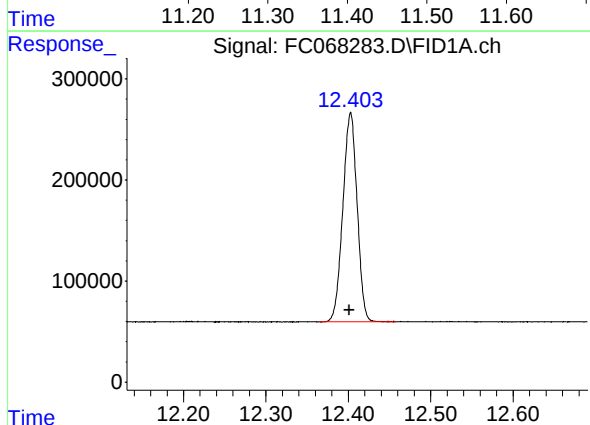
#9 ortho-Terphenyl (SURR)

R.T.: 11.401 min
Delta R.T.: 0.002 min
Response: 2863194
Conc: 18.32 ug/ml

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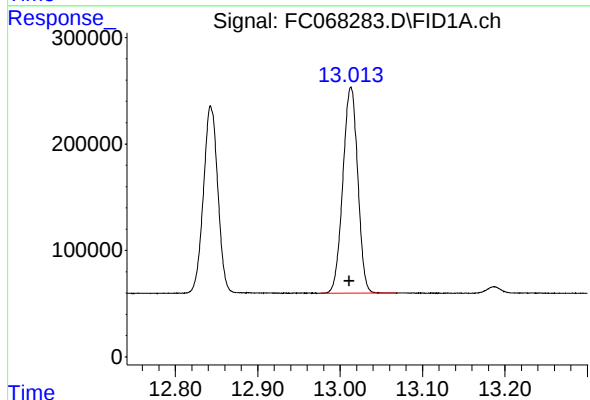
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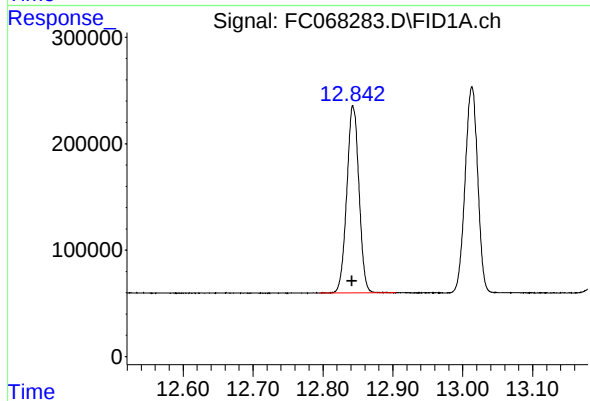
#10 n-Eicosane (C20)

R.T.: 12.403 min
Delta R.T.: 0.002 min
Response: 2487755
Conc: 18.59 ug/ml



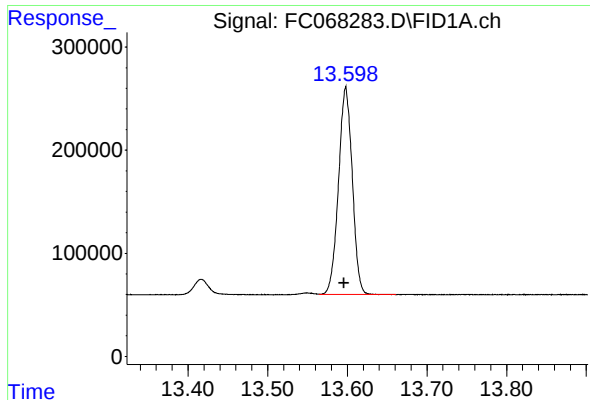
#11 n-Heneicosane (C21)

R.T.: 13.013 min
Delta R.T.: 0.002 min
Response: 2426065
Conc: 18.47 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.843 min
Delta R.T.: 0.002 min
Response: 2132134
Conc: 18.54 ug/ml



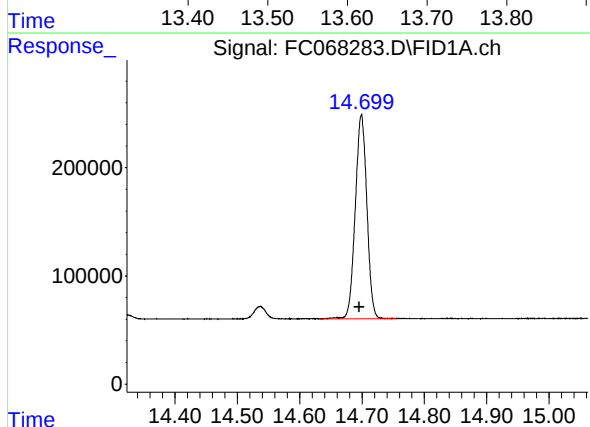
#13 n-Docosane (C22)

R.T.: 13.598 min
Delta R.T.: 0.002 min
Response: 2420217
Conc: 18.68 ug/ml

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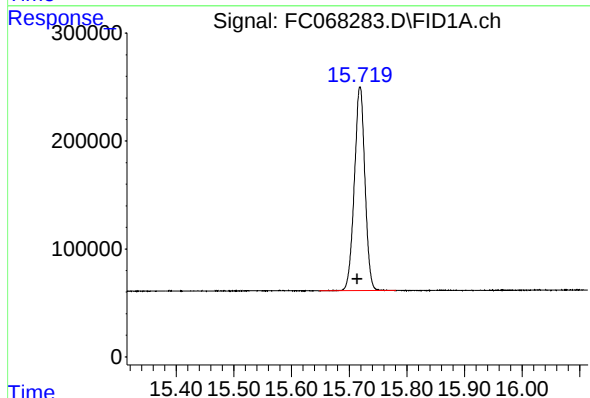
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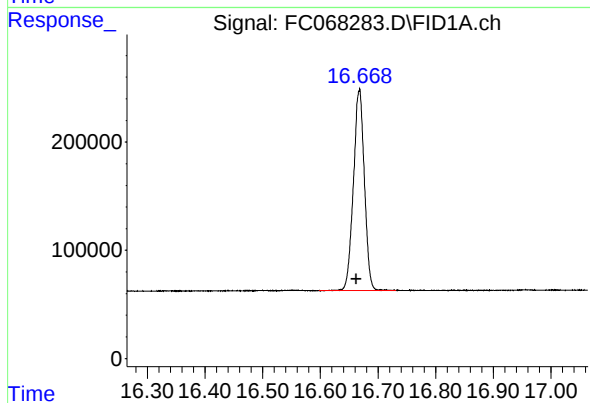
#14 n-Tetracosane (C24)

R.T.: 14.699 min
Delta R.T.: 0.003 min
Response: 2433775
Conc: 18.96 ug/ml



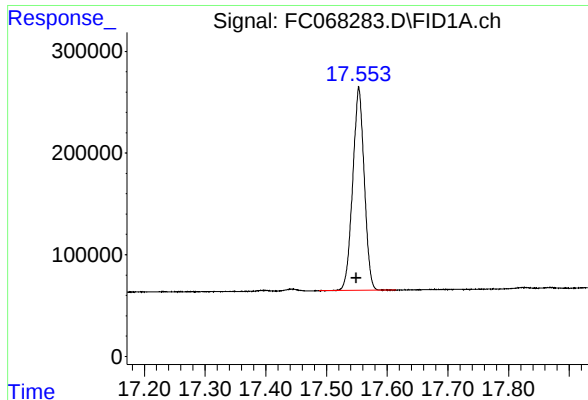
#15 n-Hexacosane (C26)

R.T.: 15.719 min
Delta R.T.: 0.005 min
Response: 2409918
Conc: 19.15 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.667 min
Delta R.T.: 0.005 min
Response: 2460535
Conc: 19.67 ug/ml



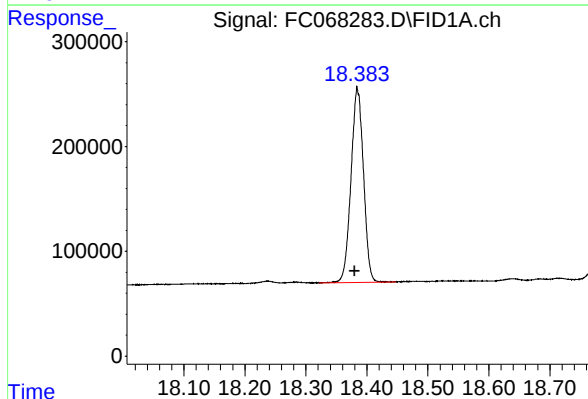
#17 n-Tricontane (C30)

R.T.: 17.553 min
Delta R.T.: 0.004 min
Response: 2640608
Conc: 20.43 ug/ml

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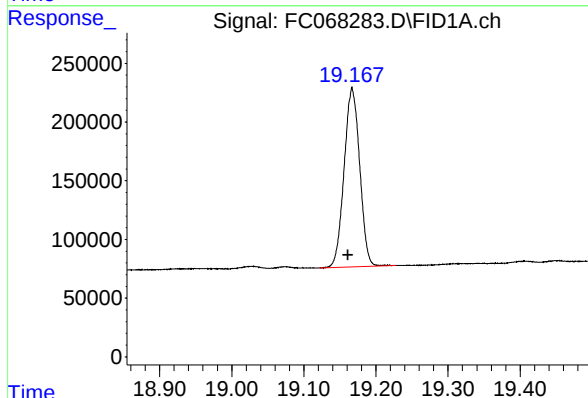
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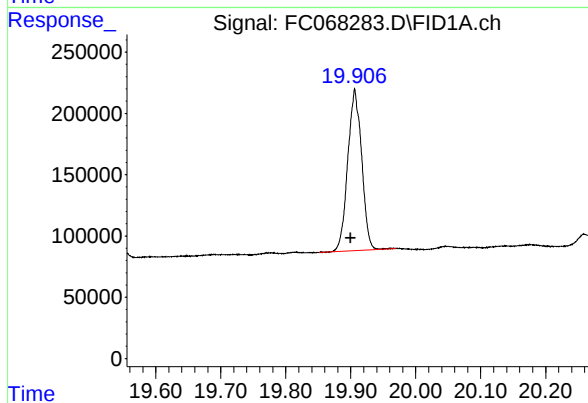
#18 n-Dotriacontane (C32)

R.T.: 18.383 min
Delta R.T.: 0.004 min
Response: 2635573
Conc: 21.08 ug/ml



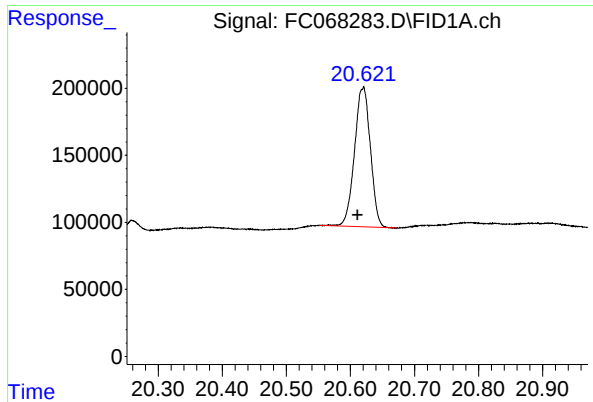
#19 n-Tetatriacontane (C34)

R.T.: 19.167 min
Delta R.T.: 0.006 min
Response: 2292613
Conc: 21.13 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.906 min
Delta R.T.: 0.006 min
Response: 1958656
Conc: 21.16 ug/ml



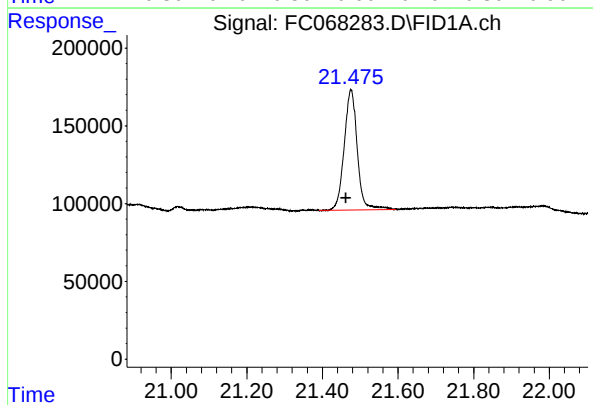
#21 n-Octatriacontane (C38)

R.T.: 20.620 min
Delta R.T.: 0.009 min
Response: 1796641
Conc: 20.97 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.475 min
Delta R.T.: 0.013 min
Response: 1852102
Conc: 22.91 ug/ml