

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021025AL\
 Data File : FC068243.D
 Signal(s) : FID1A.ch
 Acq On : 10 Feb 2025 10:19
 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 02/11/2025
 Supervised By :Ankita Jodhani 02/11/2025

Integration File: autoint1.e
 Quant Time: Feb 10 23:15:00 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)	11.399	2553308	16.339 ug/mlm
Spiked Amount 50.000		Recovery =	32.68%
12) S 1-chlorooctadecane (S...	12.843	1857030	16.148 ug/mlm
Spiked Amount 50.000		Recovery =	32.30%
Target Compounds			
1) T n-Nonane (C9)	3.208	2144745	15.663 ug/ml
2) T n-Decane (C10)	4.266	2232281	16.079 ug/ml
3) T A~Naphthalene (C11.7)	5.833	2411896	16.066 ug/ml
4) T n-Dodecane (C12)	6.274	2226214	15.936 ug/ml
5) T A~2-methylnaphthalene...	6.885	2271088	15.812 ug/ml
6) T n-Tetradecane (C14)	8.063	2176302	15.946 ug/ml
7) T n-Hexadecane (C16)	9.658	2226874	16.027 ug/ml
8) T n-Octadecane (C18)	11.095	2239582	16.007 ug/ml
10) T n-Eicosane (C20)	12.401	2144628	16.028 ug/ml
11) T n-Heneicosane (C21)	13.012	2102301	16.007 ug/ml
13) T n-Docosane (C22)	13.597	2108892	16.281 ug/ml
14) T n-Tetracosane (C24)	14.697	2154544	16.782 ug/ml
15) T n-Hexacosane (C26)	15.715	2164931	17.204 ug/ml
16) T n-Octacosane (C28)	16.664	2353789	18.819 ug/ml
17) T n-Tricontane (C30)	17.550	2754877	21.313 ug/ml
18) T n-Dotriacontane (C32)	18.380	2844188	22.751 ug/ml
19) T n-Tetratriacontane (C34)	19.163	2425832	22.363 ug/ml
20) T n-Hexatriacontane (C36)	19.900	1953284	21.107 ug/mlm
21) T n-Octatriacontane (C38)	20.609	1702516	19.869 ug/mlm
22) T n-Tetracontane (C40)	21.464	1551454	19.187 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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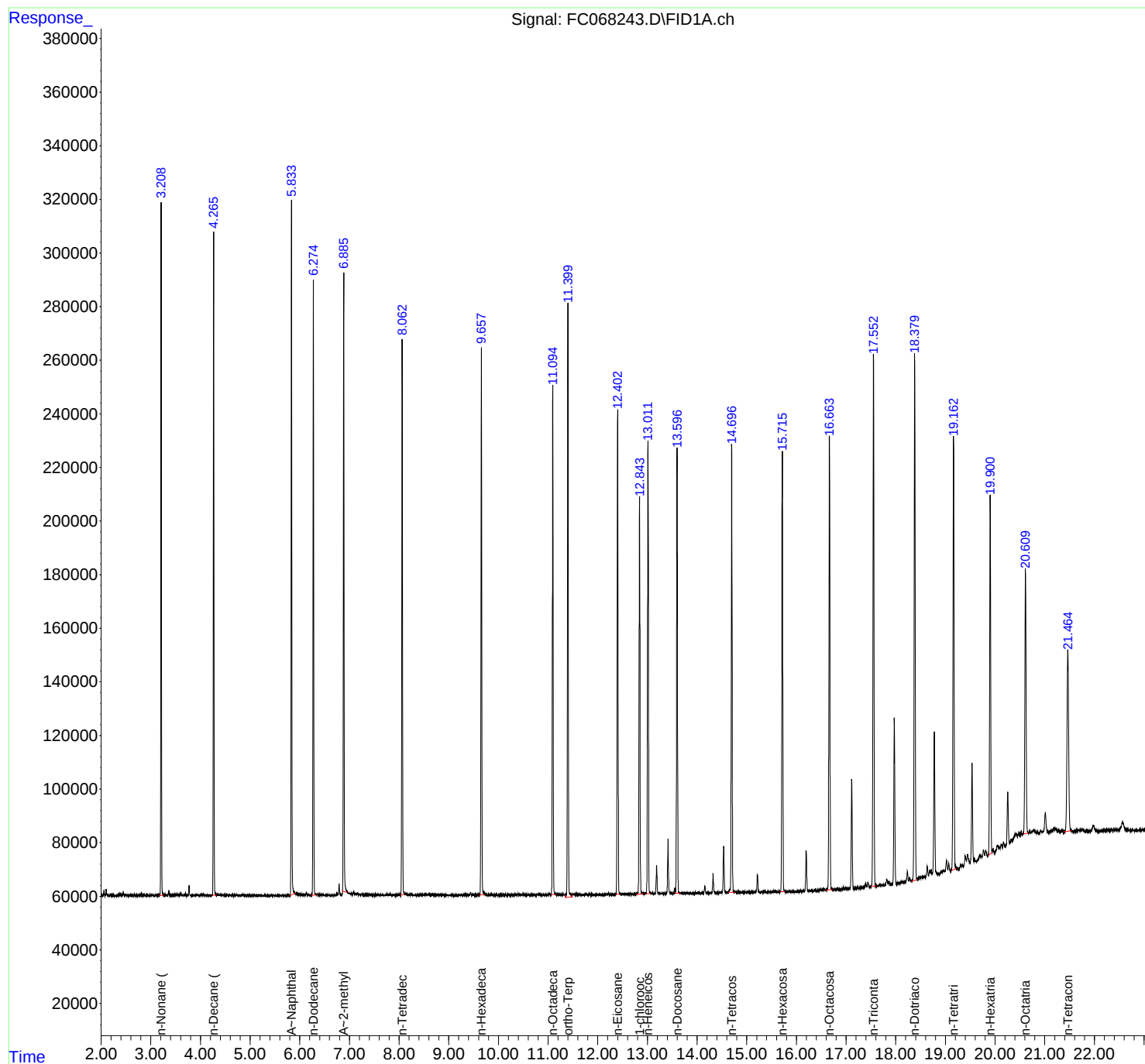
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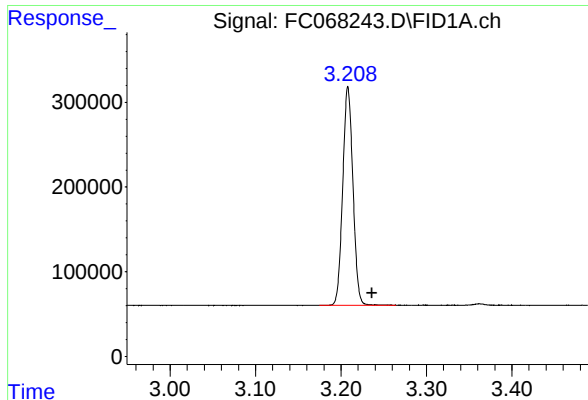
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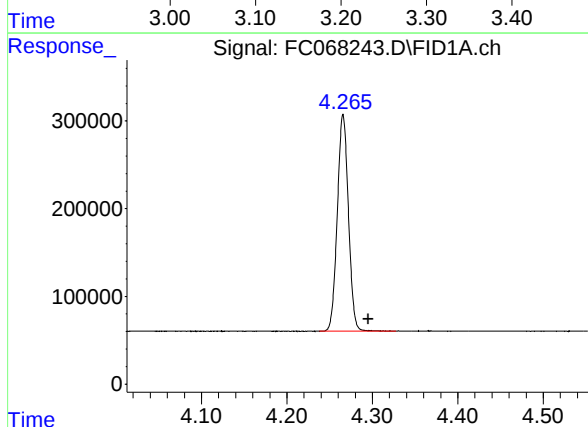
#1 n-Nonane (C9)

R.T.: 3.208 min
Delta R.T.: -0.028 min
Response: 2144745
Conc: 15.66 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

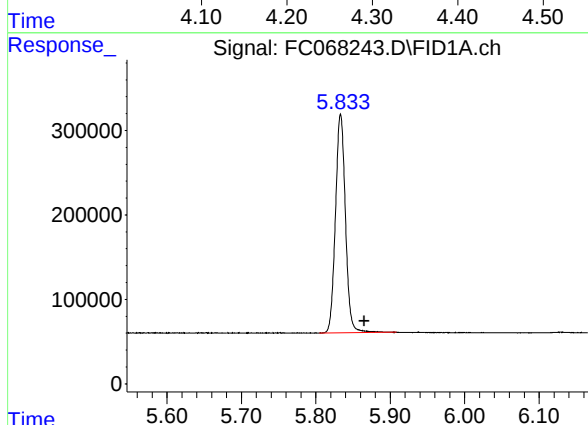
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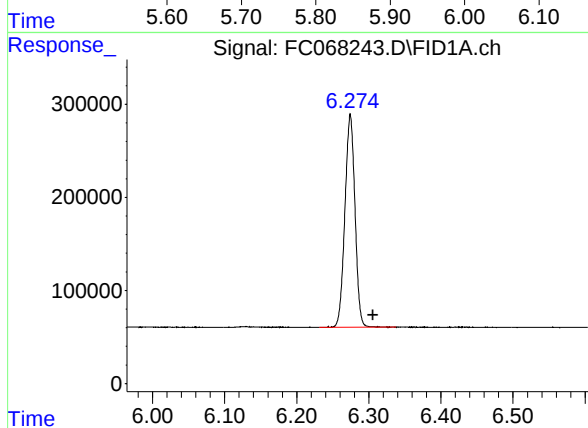
#2 n-Decane (C10)

R.T.: 4.266 min
Delta R.T.: -0.030 min
Response: 2232281
Conc: 16.08 ug/ml



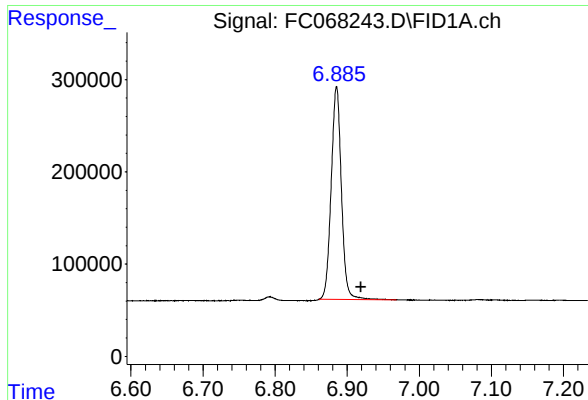
#3 A~Naphthalene (C11.7)

R.T.: 5.833 min
Delta R.T.: -0.032 min
Response: 2411896
Conc: 16.07 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.274 min
Delta R.T.: -0.031 min
Response: 2226214
Conc: 15.94 ug/ml



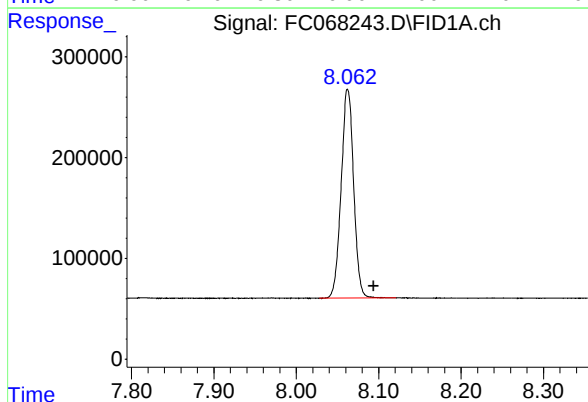
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.885 min
Delta R.T.: -0.034 min
Response: 2271088
Conc: 15.81 ug/ml

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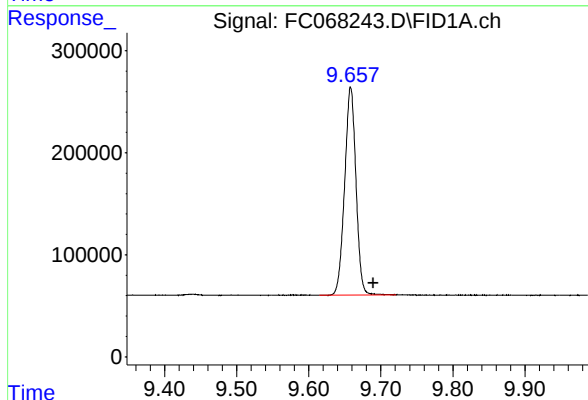
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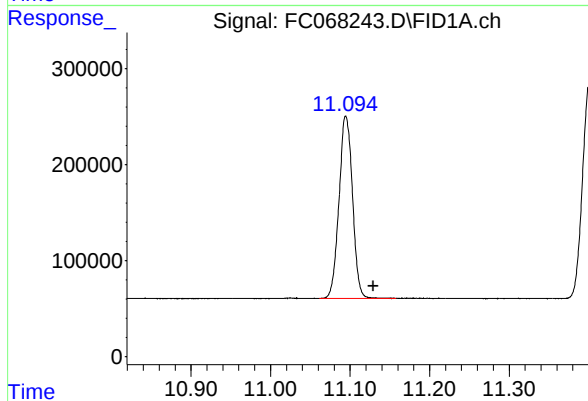
#6 n-Tetradecane (C14)

R.T.: 8.063 min
Delta R.T.: -0.031 min
Response: 2176302
Conc: 15.95 ug/ml



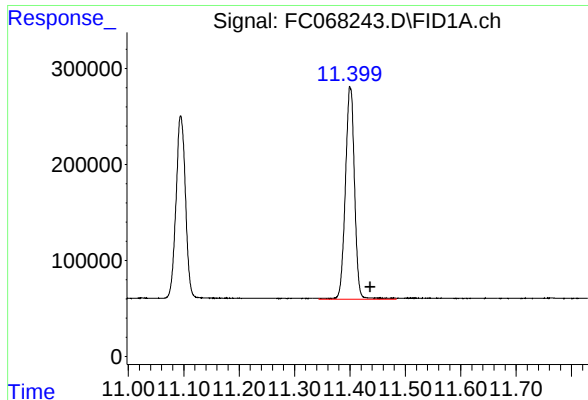
#7 n-Hexadecane (C16)

R.T.: 9.658 min
Delta R.T.: -0.032 min
Response: 2226874
Conc: 16.03 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.095 min
Delta R.T.: -0.035 min
Response: 2239582
Conc: 16.01 ug/ml



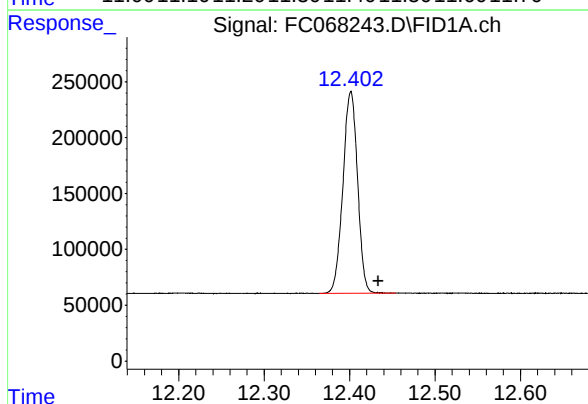
#9 ortho-Terphenyl (SURR)

R.T.: 11.399 min
Delta R.T.: -0.038 min
Response: 2553308
Conc: 16.34 ug/ml

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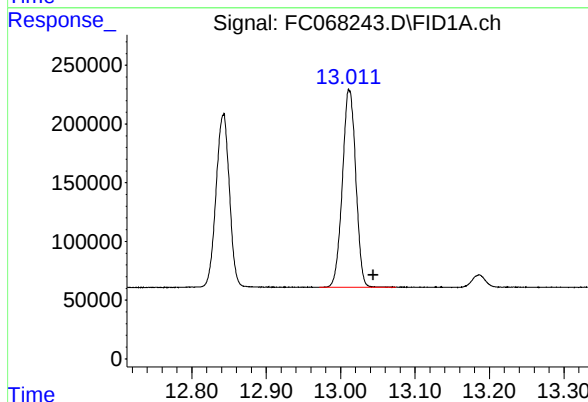
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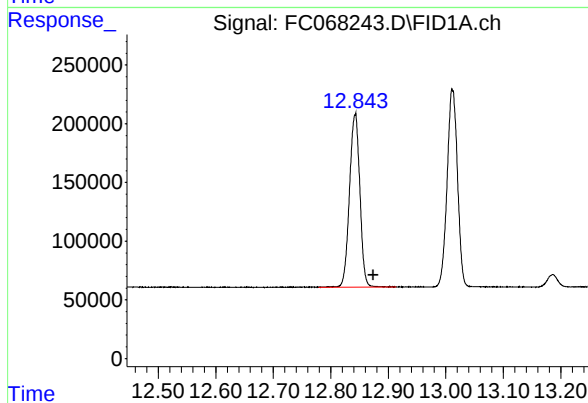
#10 n-Eicosane (C20)

R.T.: 12.401 min
Delta R.T.: -0.032 min
Response: 2144628
Conc: 16.03 ug/ml



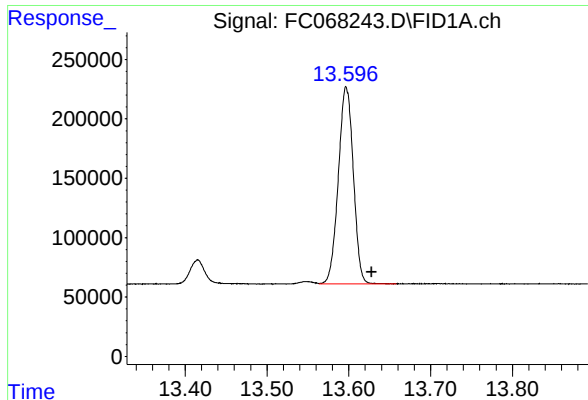
#11 n-Heneicosane (C21)

R.T.: 13.012 min
Delta R.T.: -0.032 min
Response: 2102301
Conc: 16.01 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.843 min
Delta R.T.: -0.031 min
Response: 1857030
Conc: 16.15 ug/ml m



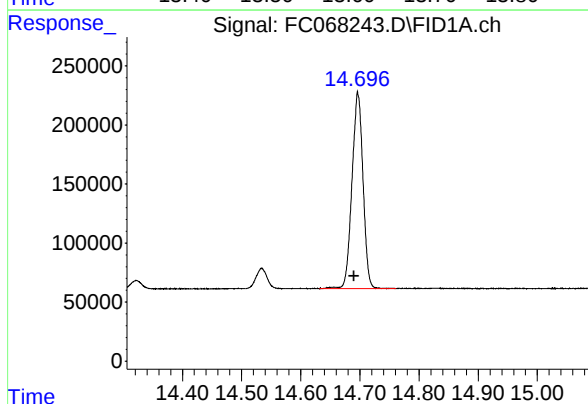
#13 n-Docosane (C22)

R.T.: 13.597 min
Delta R.T.: -0.031 min
Response: 2108892
Conc: 16.28 ug/ml

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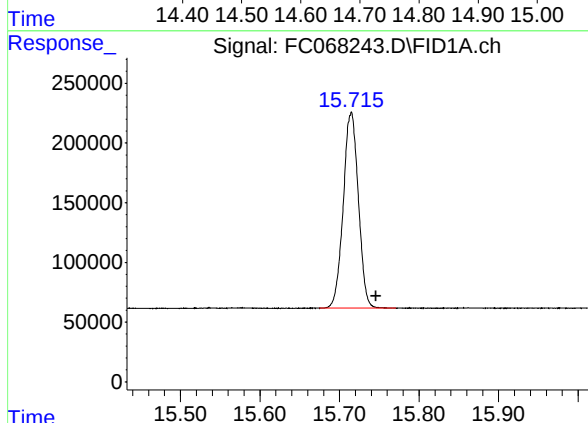
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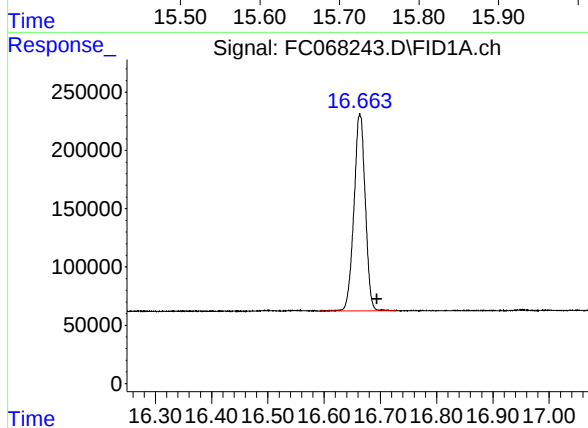
#14 n-Tetracosane (C24)

R.T.: 14.697 min
Delta R.T.: 0.007 min
Response: 2154544
Conc: 16.78 ug/ml



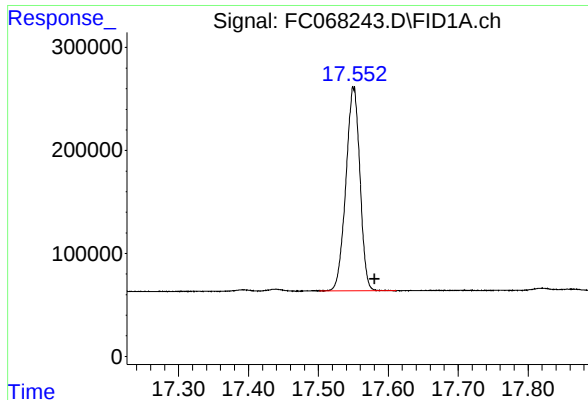
#15 n-Hexacosane (C26)

R.T.: 15.715 min
Delta R.T.: -0.031 min
Response: 2164931
Conc: 17.20 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.664 min
Delta R.T.: -0.030 min
Response: 2353789
Conc: 18.82 ug/ml



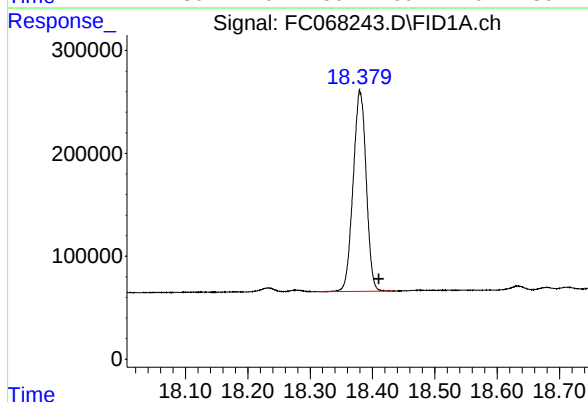
#17 n-Tricontane (C30)

R.T.: 17.550 min
Delta R.T.: -0.030 min
Response: 2754877
Conc: 21.31 ug/ml

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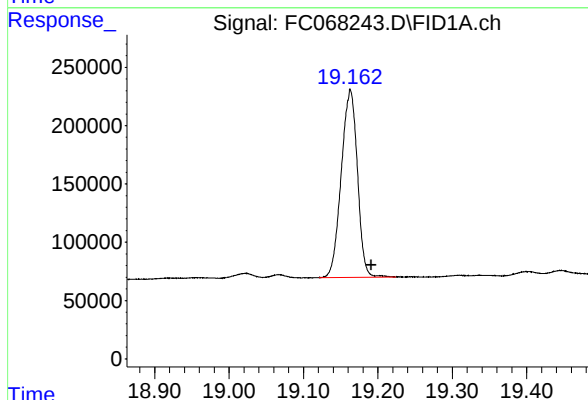
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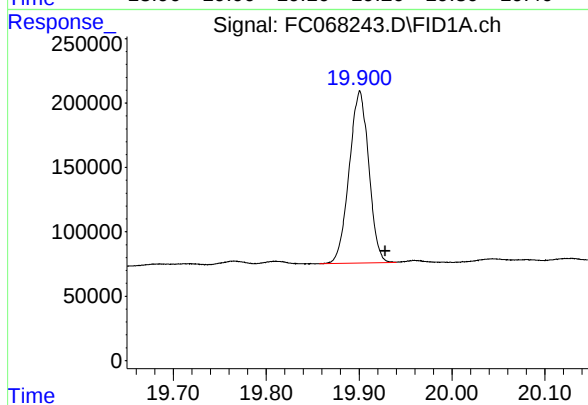
#18 n-Dotriacontane (C32)

R.T.: 18.380 min
Delta R.T.: -0.030 min
Response: 2844188
Conc: 22.75 ug/ml



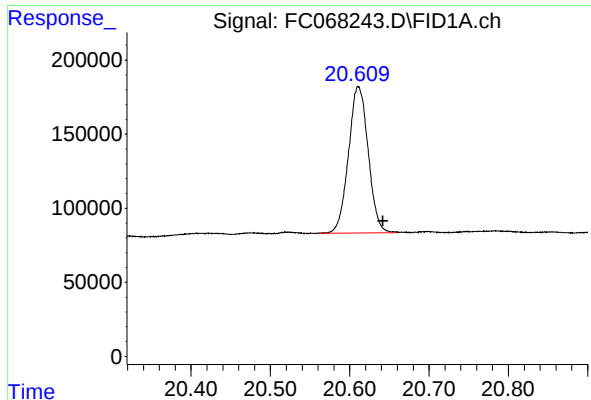
#19 n-Tetratriacontane (C34)

R.T.: 19.163 min
Delta R.T.: -0.028 min
Response: 2425832
Conc: 22.36 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.900 min
Delta R.T.: -0.028 min
Response: 1953284
Conc: 21.11 ug/ml m



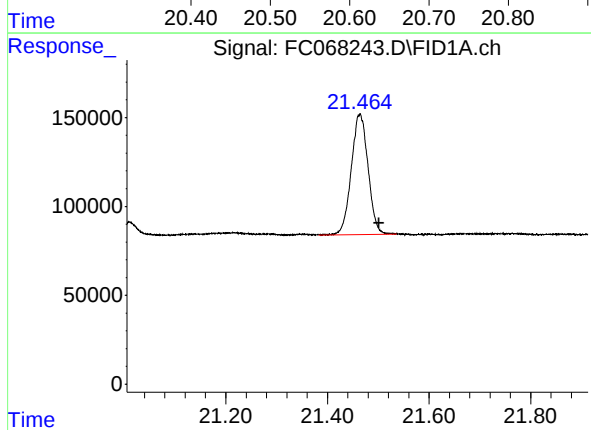
#21 n-Octatriacontane (C38)

R.T.: 20.609 min
Delta R.T.: -0.033 min
Response: 1702516
Conc: 19.87 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.464 min
Delta R.T.: -0.037 min
Response: 1551454
Conc: 19.19 ug/ml m