

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC092624AL\
 Data File : FC067281.D
 Signal(s) : FID1A.ch
 Acq On : 26 Sep 2024 19:55
 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 09/27/2024
 Supervised By :Ankita Jodhani 09/27/2024

Integration File: autoint1.e
 Quant Time: Sep 27 03:21:37 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 11 02:55:44 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)	11.499	2657146	19.082 ug/ml
Spiked Amount 50.000		Recovery =	38.16%
12) S 1-chlorooctadecane (S...	12.938	1922639	19.682 ug/ml
Spiked Amount 50.000		Recovery =	39.36%
Target Compounds			
1) T n-Nonane (C9)	3.275	2472182	18.637 ug/ml
2) T n-Decane (C10)	4.340	2547069	18.964 ug/ml
3) T A~Naphthalene (C11.7)	5.917	2680903	18.863 ug/ml
4) T n-Dodecane (C12)	6.355	2539021	18.968 ug/ml
5) T A~2-methylnaphthalene...	6.973	2529686	18.944 ug/ml
6) T n-Tetradecane (C14)	8.149	2461897	19.103 ug/ml
7) T n-Hexadecane (C16)	9.748	2476919	19.212 ug/ml
8) T n-Octadecane (C18)	11.187	2476168	19.354 ug/ml
10) T n-Eicosane (C20)	12.495	2335847	19.447 ug/ml
11) T n-Heneicosane (C21)	13.106	2279279	19.515 ug/ml
13) T n-Docosane (C22)	13.692	2296025	19.886 ug/ml
14) T n-Tetracosane (C24)	14.793	2422645	21.333 ug/ml
15) T n-Hexacosane (C26)	15.814	2405374	21.704 ug/ml
16) T n-Octacosane (C28)	16.762	2487931	23.032 ug/ml
17) T n-Tricontane (C30)	17.647	2638132	24.253 ug/ml
18) T n-Dotriacontane (C32)	18.479	2546907	24.418 ug/mlm
19) T n-Tetratriacontane (C34)	19.262	2133108	23.121 ug/ml
20) T n-Hexatriacontane (C36)	20.001	1698847	21.437 ug/ml
21) T n-Octatriacontane (C38)	20.724	1483718	19.752 ug/ml
22) T n-Tetracontane (C40)	21.611	1343806	19.234 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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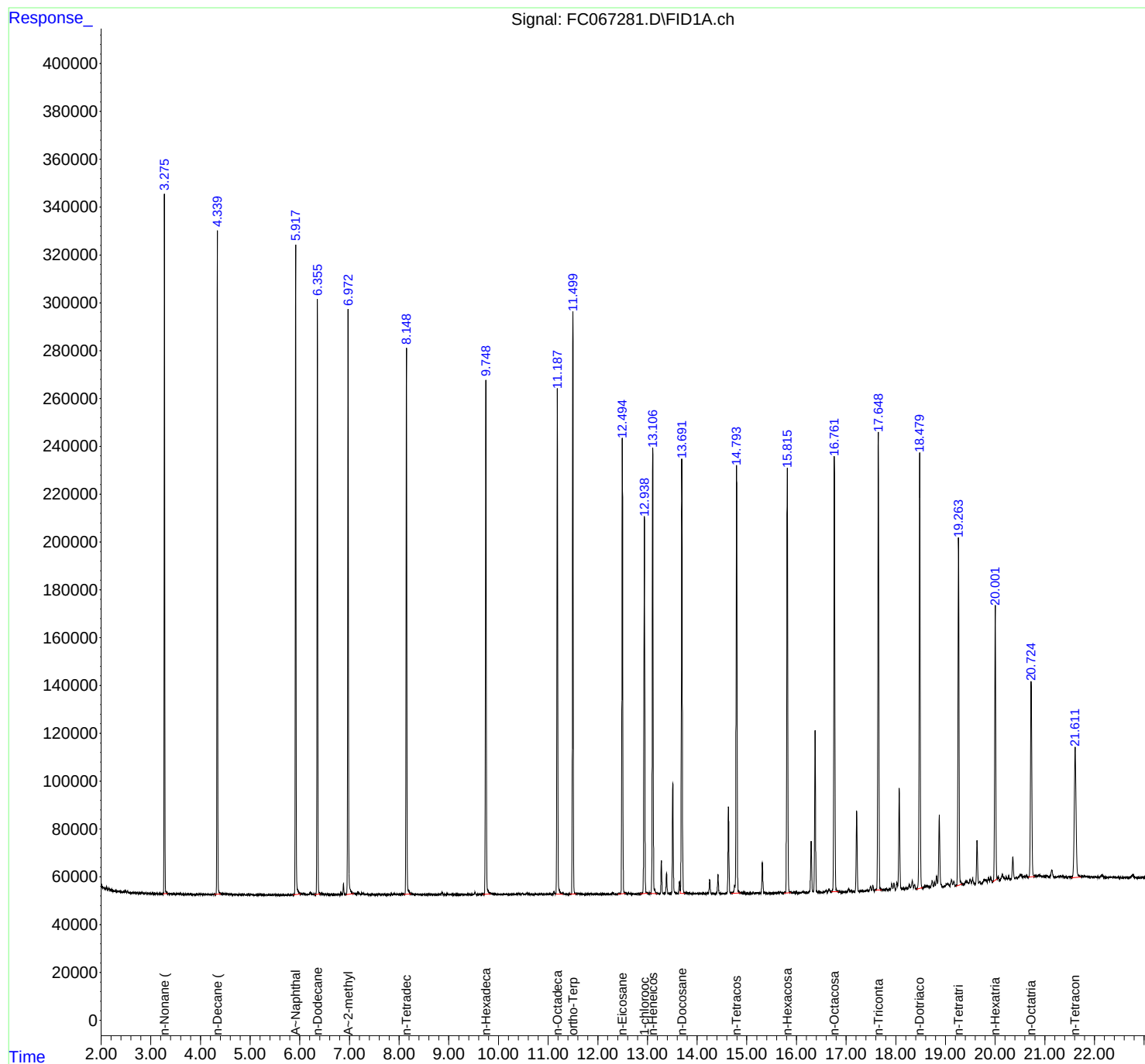
Instrument :
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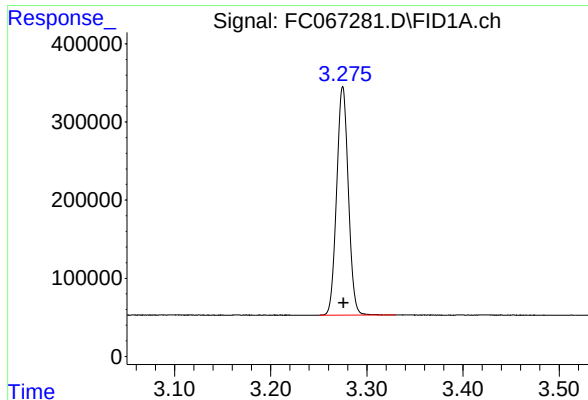
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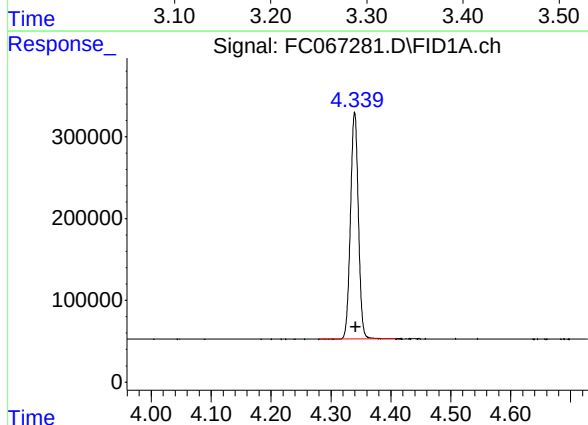
#1 n-Nonane (C9)

R.T.: 3.275 min
Delta R.T.: 0.000 min
Response: 2472182
Conc: 18.64 ug/ml

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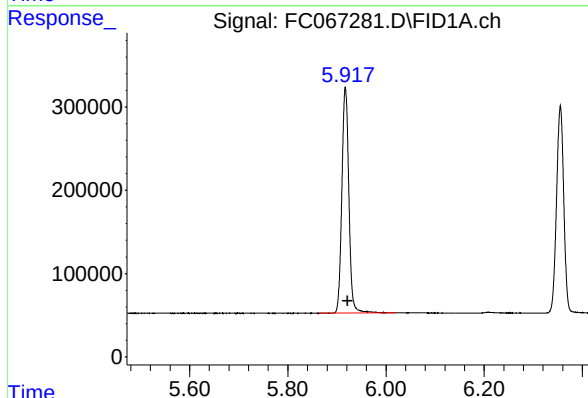
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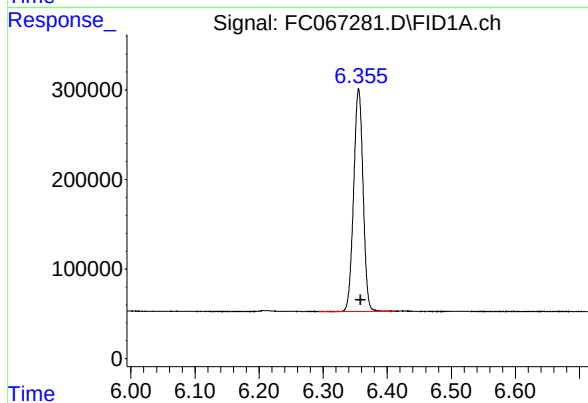
#2 n-Decane (C10)

R.T.: 4.340 min
Delta R.T.: -0.001 min
Response: 2547069
Conc: 18.96 ug/ml



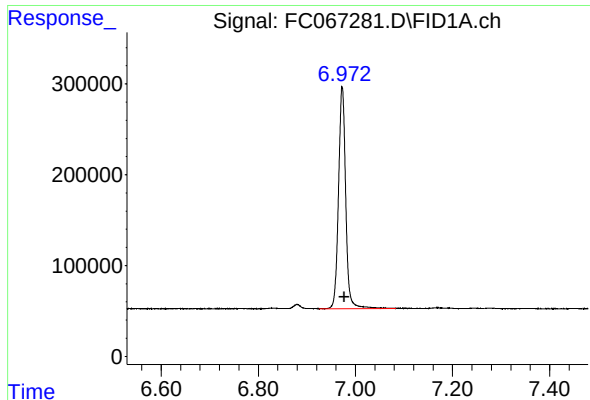
#3 A~Naphthalene (C11.7)

R.T.: 5.917 min
Delta R.T.: -0.004 min
Response: 2680903
Conc: 18.86 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.355 min
Delta R.T.: -0.003 min
Response: 2539021
Conc: 18.97 ug/ml



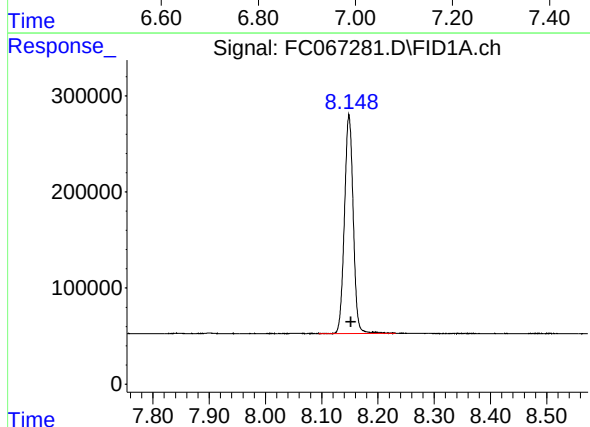
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.973 min
Delta R.T.: -0.004 min
Response: 2529686
Conc: 18.94 ug/ml

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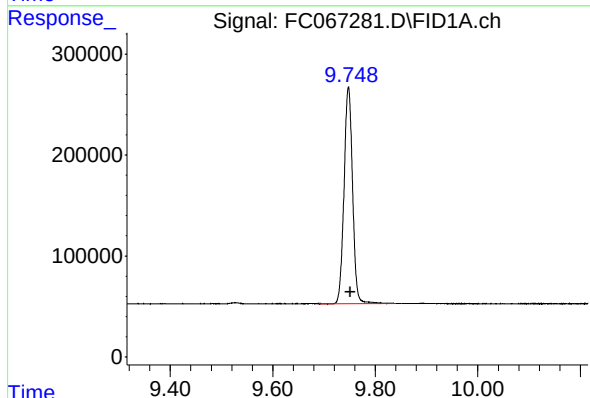
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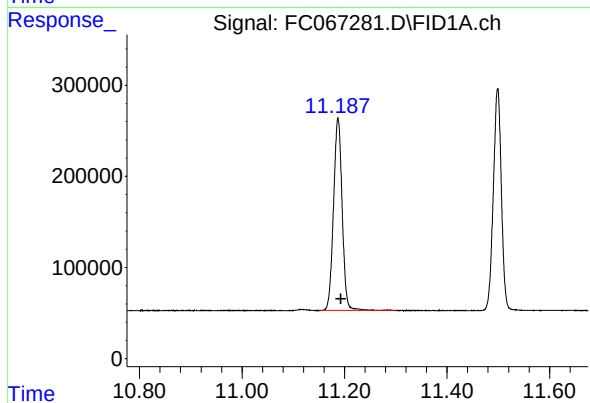
#6 n-Tetradecane (C14)

R.T.: 8.149 min
Delta R.T.: -0.003 min
Response: 2461897
Conc: 19.10 ug/ml



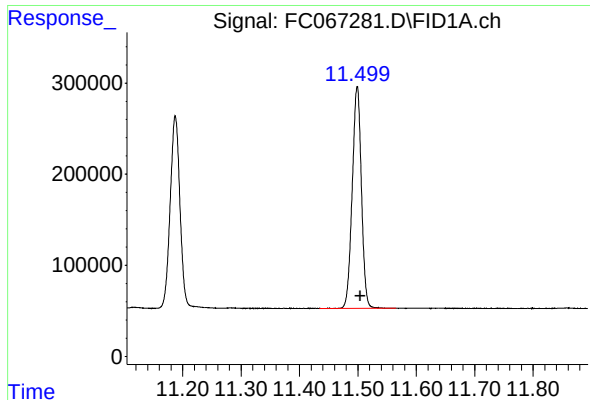
#7 n-Hexadecane (C16)

R.T.: 9.748 min
Delta R.T.: -0.004 min
Response: 2476919
Conc: 19.21 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.187 min
Delta R.T.: -0.005 min
Response: 2476168
Conc: 19.35 ug/ml



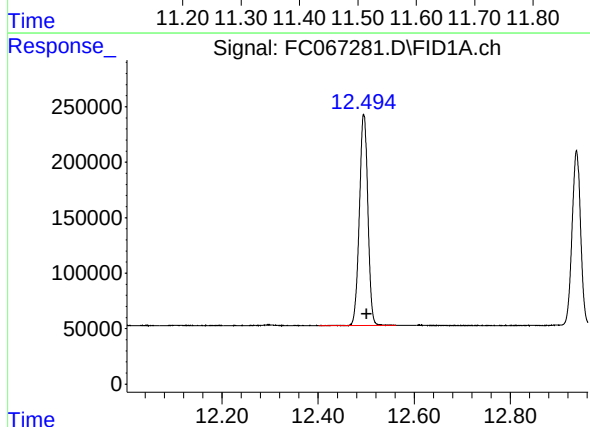
#9 ortho-Terphenyl (SURR)

R.T.: 11.499 min
Delta R.T.: -0.005 min
Response: 2657146
Conc: 19.08 ug/ml

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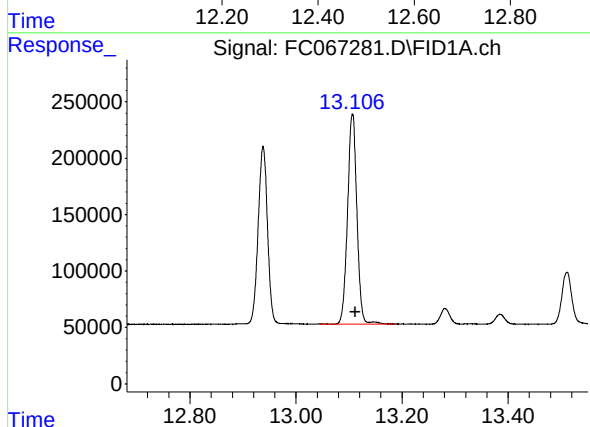
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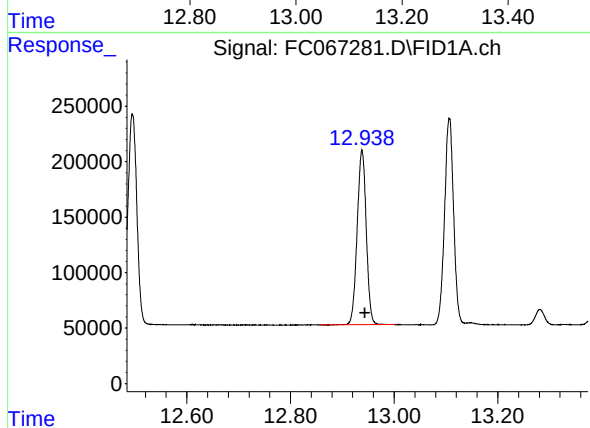
#10 n-Eicosane (C20)

R.T.: 12.495 min
Delta R.T.: -0.006 min
Response: 2335847
Conc: 19.45 ug/ml



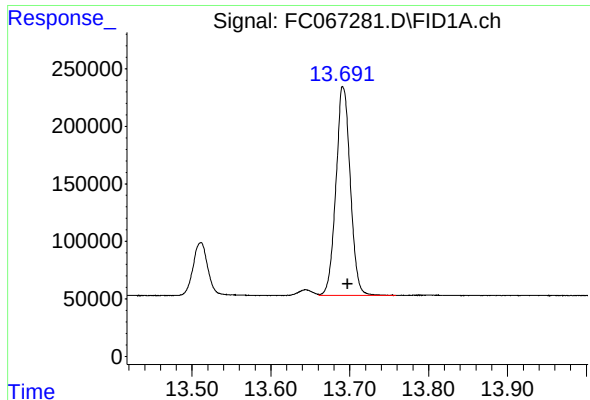
#11 n-Heneicosane (C21)

R.T.: 13.106 min
Delta R.T.: -0.005 min
Response: 2279279
Conc: 19.52 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.938 min
Delta R.T.: -0.005 min
Response: 1922639
Conc: 19.68 ug/ml



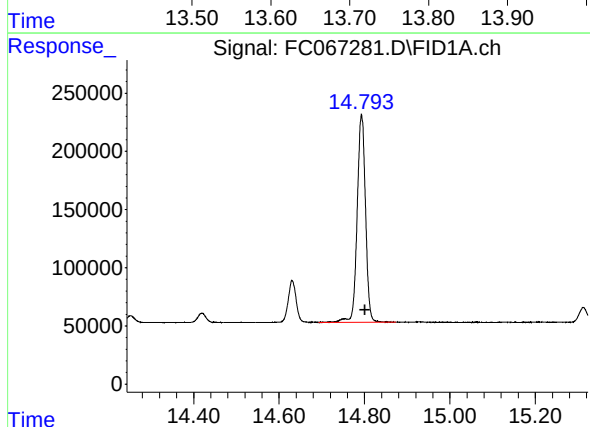
#13 n-Docosane (C22)

R.T.: 13.692 min
Delta R.T.: -0.005 min
Response: 2296025
Conc: 19.89 ug/ml

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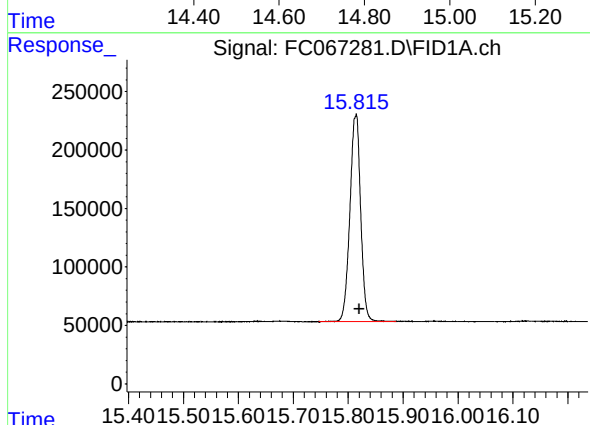
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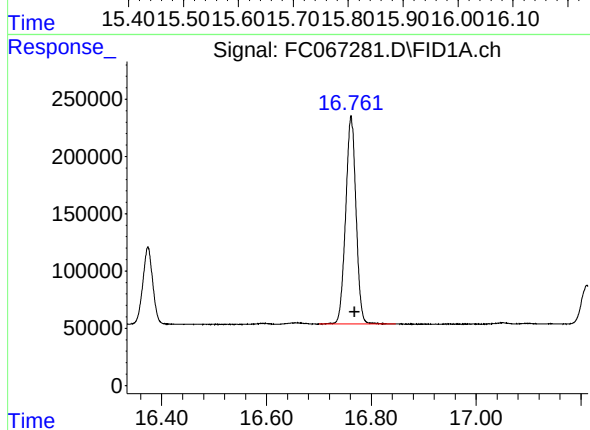
#14 n-Tetracosane (C24)

R.T.: 14.793 min
Delta R.T.: -0.008 min
Response: 2422645
Conc: 21.33 ug/ml



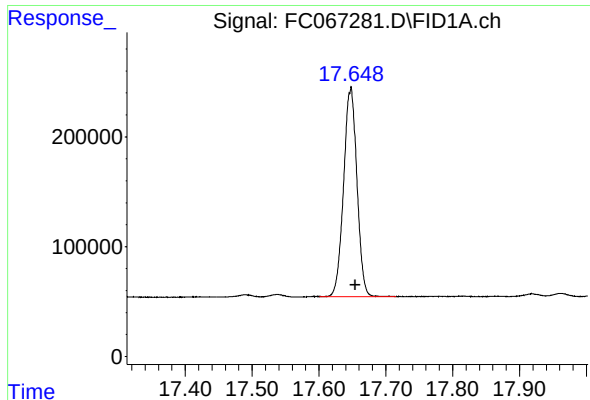
#15 n-Hexacosane (C26)

R.T.: 15.814 min
Delta R.T.: -0.007 min
Response: 2405374
Conc: 21.70 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.762 min
Delta R.T.: -0.006 min
Response: 2487931
Conc: 23.03 ug/ml



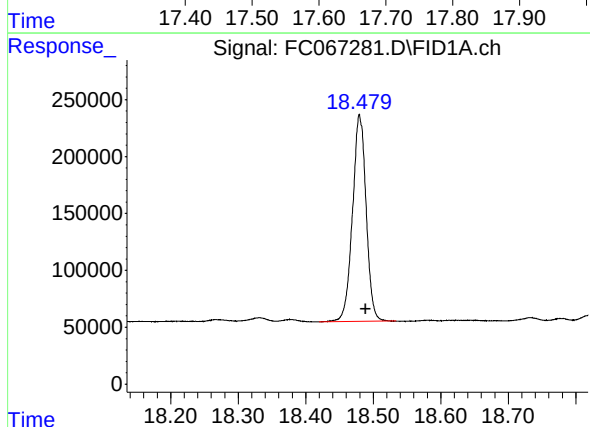
#17 n-Tricontane (C30)

R.T.: 17.647 min
Delta R.T.: -0.007 min
Response: 2638132
Conc: 24.25 ug/ml

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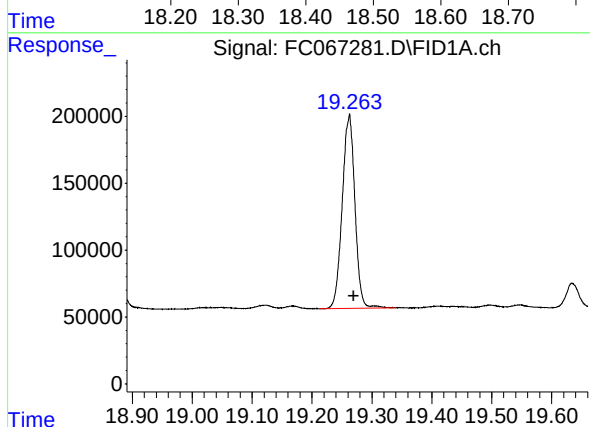
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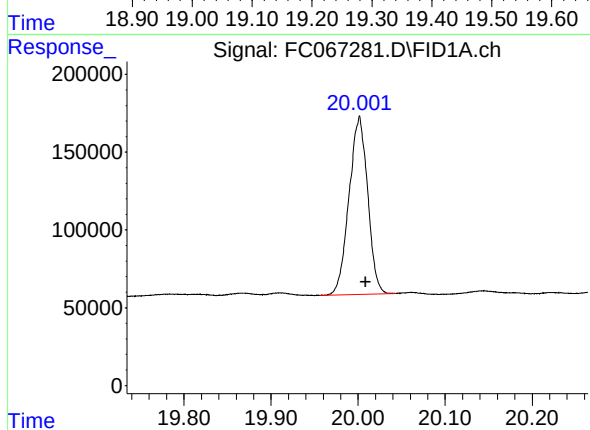
#18 n-Dotriacontane (C32)

R.T.: 18.479 min
Delta R.T.: -0.009 min
Response: 2546907
Conc: 24.42 ug/ml m



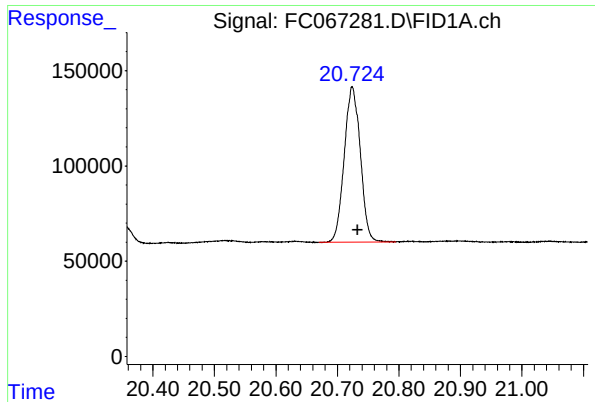
#19 n-Tetratriacontane (C34)

R.T.: 19.262 min
Delta R.T.: -0.008 min
Response: 2133108
Conc: 23.12 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.001 min
Delta R.T.: -0.008 min
Response: 1698847
Conc: 21.44 ug/ml



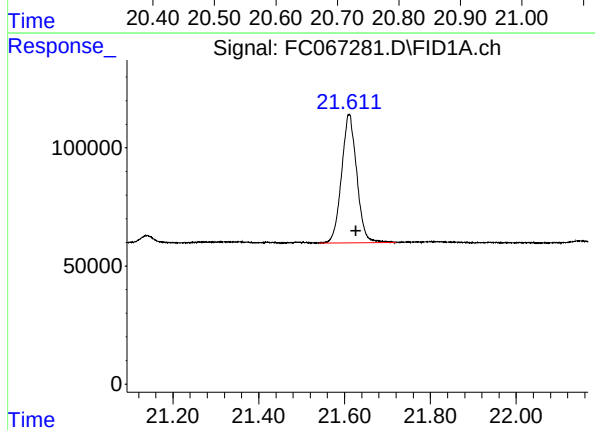
#21 n-Octatriacontane (C38)

R.T.: 20.724 min
Delta R.T.: -0.009 min
Response: 1483718
Conc: 19.75 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.611 min
Delta R.T.: -0.016 min
Response: 1343806
Conc: 19.23 ug/ml m