

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052725AL\
 Data File : FC069008.D
 Signal(s) : FID1A.ch
 Acq On : 27 May 2025 09:53
 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 05/28/2025
 Supervised By :mohammad ahmed 05/30/2025

Integration File: autoint1.e
 Quant Time: May 28 09:55:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 01:48:55 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)	11.704	2386264	19.346 ug/ml
Spiked Amount 50.000		Recovery =	38.69%
12) S 1-chlorooctadecane (S...	13.137	1687779	18.813 ug/ml
Spiked Amount 50.000		Recovery =	37.63%
Target Compounds			
1) T n-Nonane (C9)	3.439	2092108	19.714 ug/ml
2) T n-Decane (C10)	4.514	2097712	19.807 ug/ml
3) T A~Naphthalene (C11.7)	6.110	2266788	19.603 ug/ml
4) T n-Dodecane (C12)	6.539	2073162	19.721 ug/ml
5) T A~2-methylnaphthalene...	7.168	2207457	19.471 ug/ml
6) T n-Tetradecane (C14)	8.335	2001993	19.531 ug/ml
7) T n-Hexadecane (C16)	9.938	1961922	19.335 ug/ml
8) T n-Octadecane (C18)	11.380	1930989	19.321 ug/ml
10) T n-Eicosane (C20)	12.691	1879086	19.293 ug/ml
11) T n-Heneicosane (C21)	13.303	1849580	19.216 ug/ml
13) T n-Docosane (C22)	13.890	1861146	19.536 ug/ml
14) T n-Tetracosane (C24)	14.993	1897807	20.157 ug/mlm
15) T n-Hexacosane (C26)	16.016	1901500	20.481 ug/ml
16) T n-Octacosane (C28)	16.967	1906247	20.508 ug/ml
17) T n-Tricontane (C30)	17.855	1963586	20.294 ug/ml
18) T n-Dotriacontane (C32)	18.688	1980338	19.984 ug/ml
19) T n-Tetratriacontane (C34)	19.473	1840591	19.097 ug/ml
20) T n-Hexatriacontane (C36)	20.214	1752044	18.456 ug/ml
21) T n-Octatriacontane (C38)	20.987	1600855	17.547 ug/ml
22) T n-Tetracontane (C40)	21.958	1428230	16.187 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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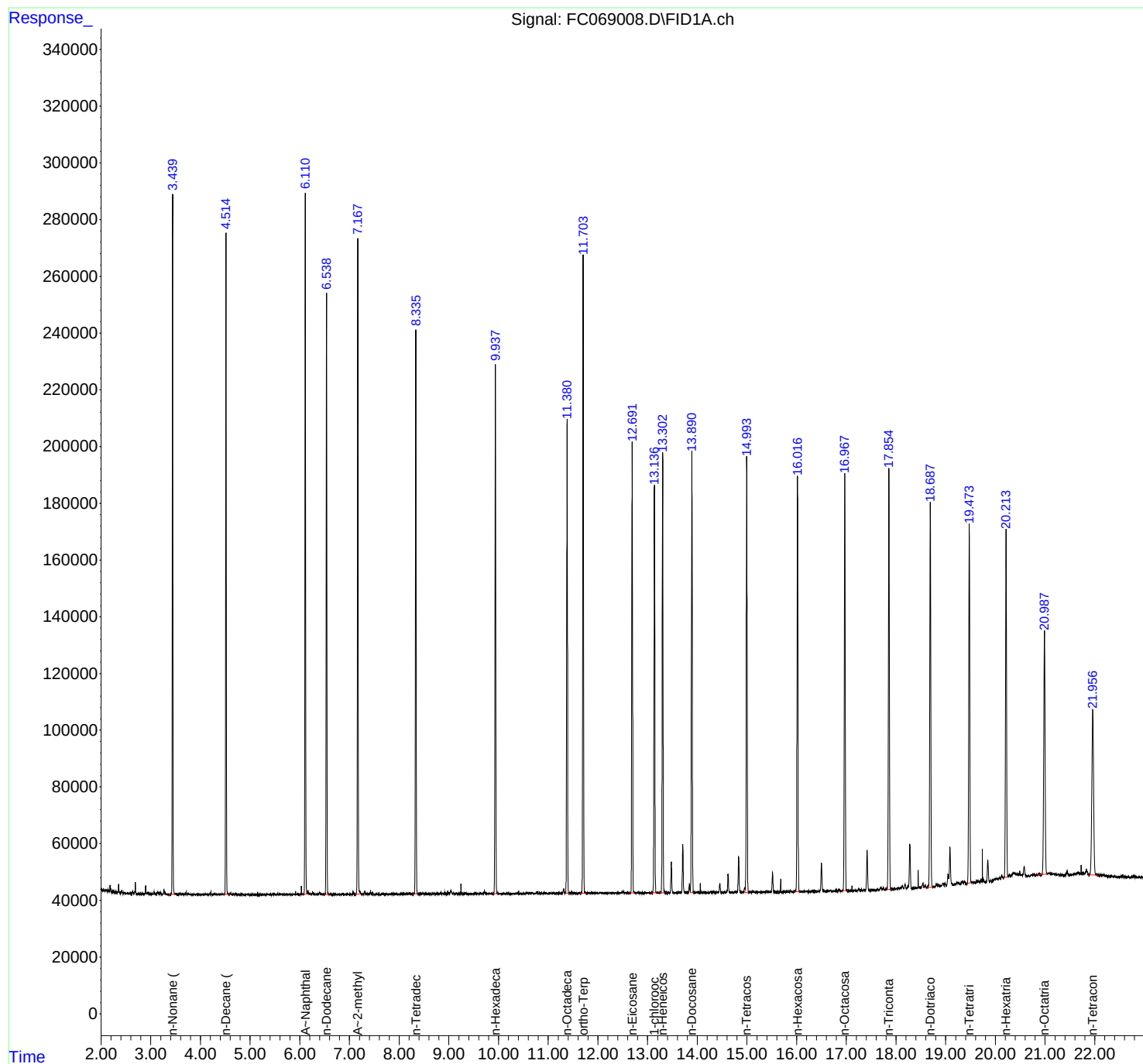
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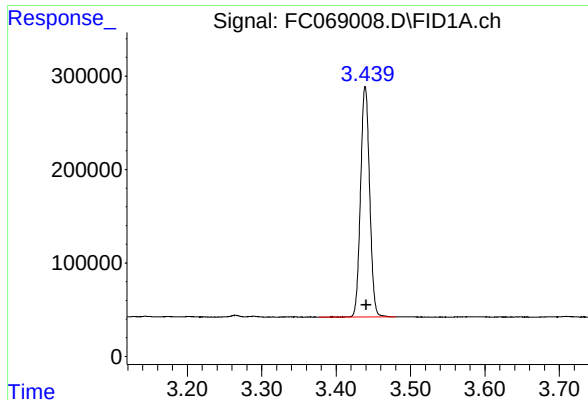
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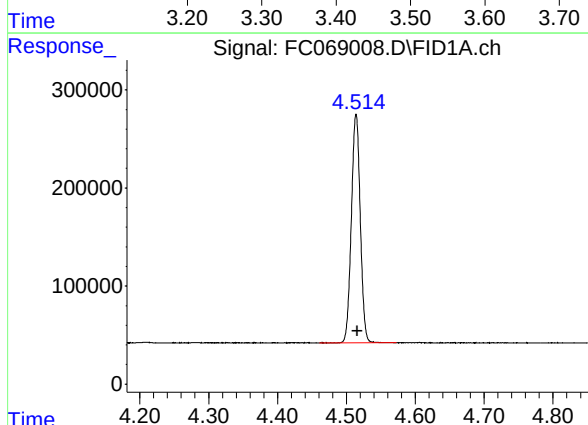
#1 n-Nonane (C9)

R.T.: 3.439 min
Delta R.T.: -0.002 min
Response: 2092108
Conc: 19.71 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

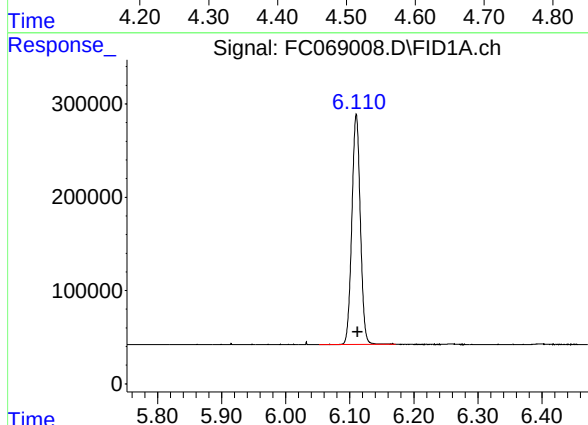
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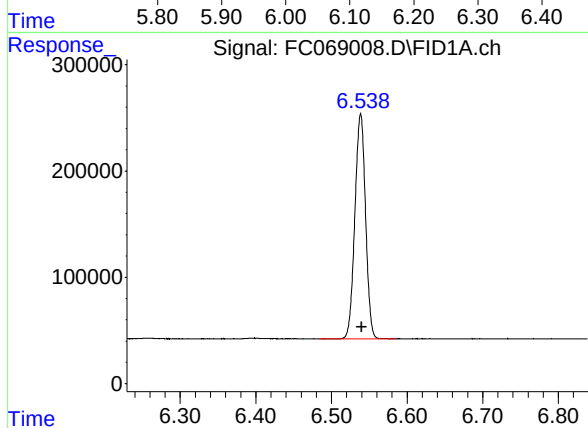
#2 n-Decane (C10)

R.T.: 4.514 min
Delta R.T.: -0.002 min
Response: 2097712
Conc: 19.81 ug/ml



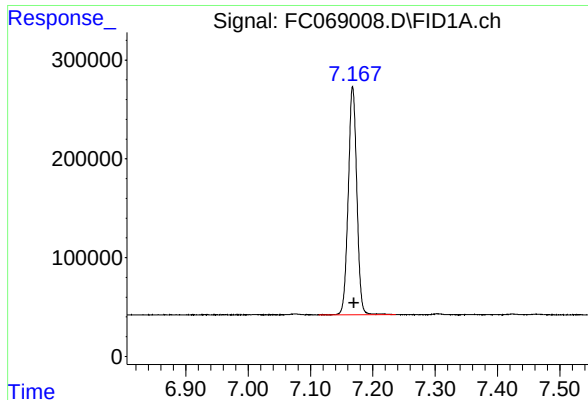
#3 A~Naphthalene (C11.7)

R.T.: 6.110 min
Delta R.T.: -0.002 min
Response: 2266788
Conc: 19.60 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.539 min
Delta R.T.: -0.001 min
Response: 2073162
Conc: 19.72 ug/ml



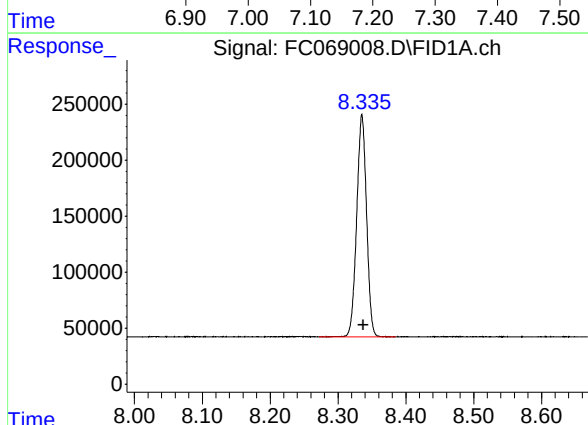
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.168 min
Delta R.T.: -0.002 min
Response: 2207457
Conc: 19.47 ug/ml

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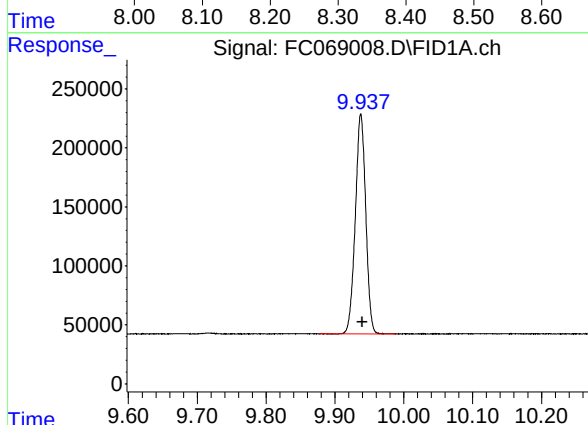
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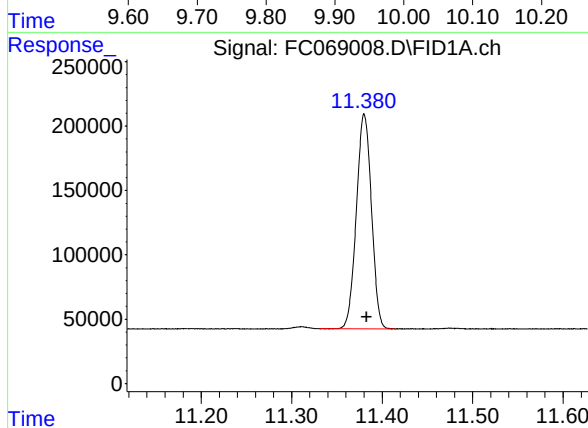
#6 n-Tetradecane (C14)

R.T.: 8.335 min
Delta R.T.: -0.002 min
Response: 2001993
Conc: 19.53 ug/ml



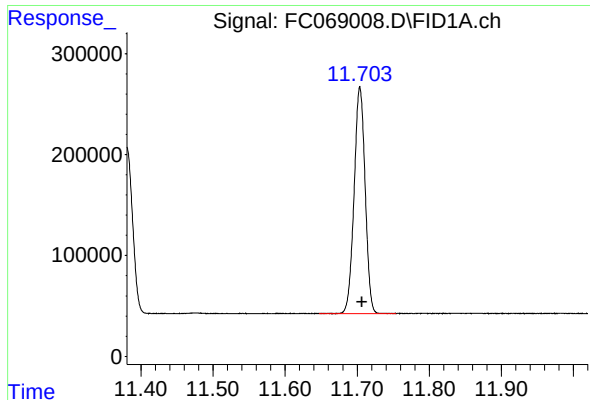
#7 n-Hexadecane (C16)

R.T.: 9.938 min
Delta R.T.: -0.002 min
Response: 1961922
Conc: 19.34 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.380 min
Delta R.T.: -0.003 min
Response: 1930989
Conc: 19.32 ug/ml



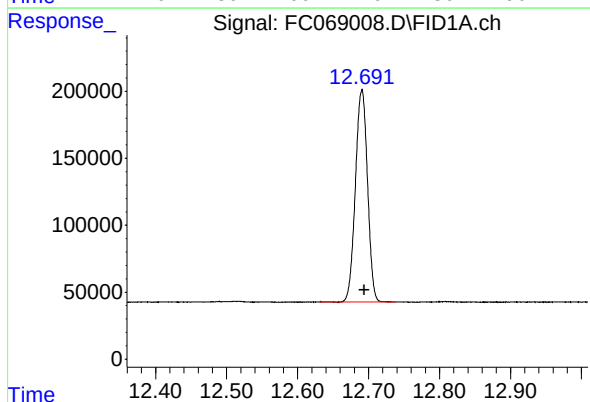
#9 ortho-Terphenyl (SURR)

R.T.: 11.704 min
Delta R.T.: -0.003 min
Response: 2386264
Conc: 19.35 ug/ml

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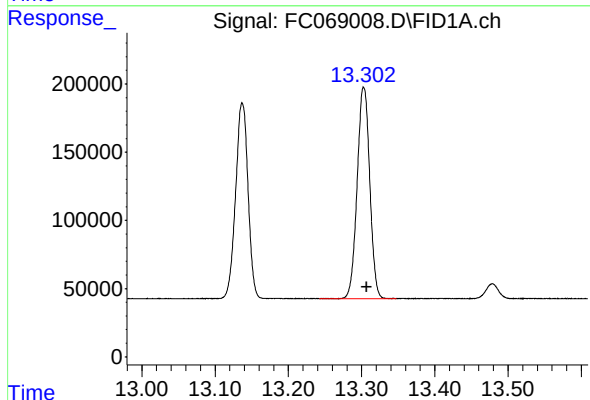
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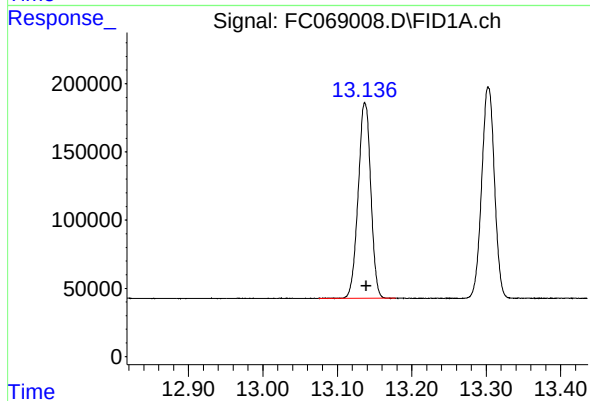
#10 n-Eicosane (C20)

R.T.: 12.691 min
Delta R.T.: -0.003 min
Response: 1879086
Conc: 19.29 ug/ml



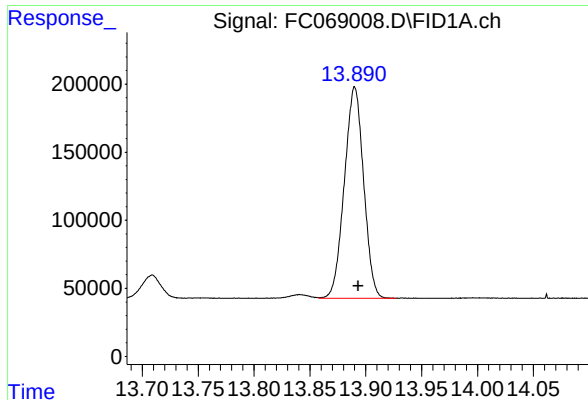
#11 n-Heneicosane (C21)

R.T.: 13.303 min
Delta R.T.: -0.004 min
Response: 1849580
Conc: 19.22 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.137 min
Delta R.T.: -0.002 min
Response: 1687779
Conc: 18.81 ug/ml



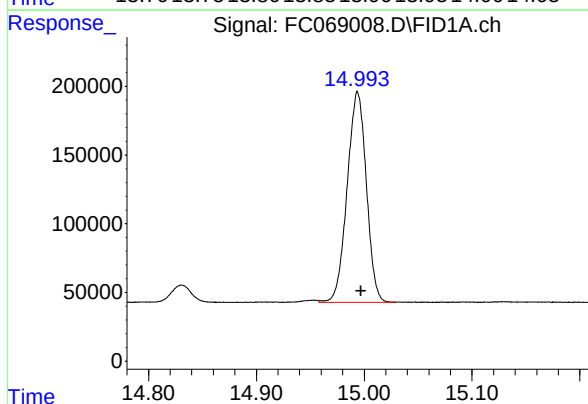
#13 n-Docosane (C22)

R.T.: 13.890 min
Delta R.T.: -0.003 min
Response: 1861146
Conc: 19.54 ug/ml

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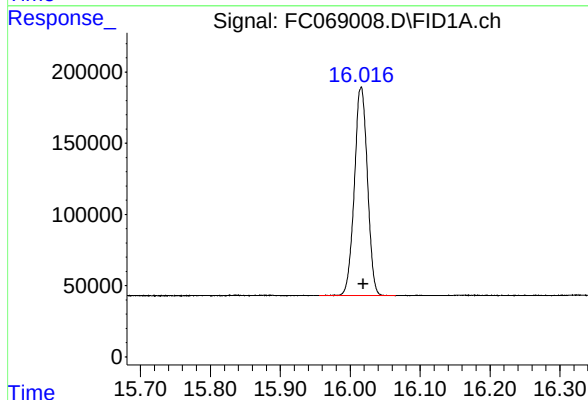
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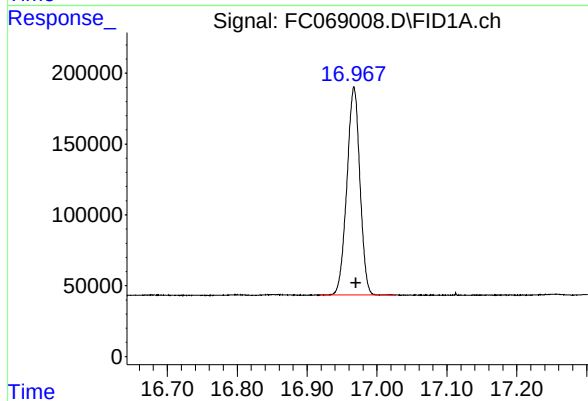
#14 n-Tetracosane (C24)

R.T.: 14.993 min
Delta R.T.: -0.004 min
Response: 1897807
Conc: 20.16 ug/ml



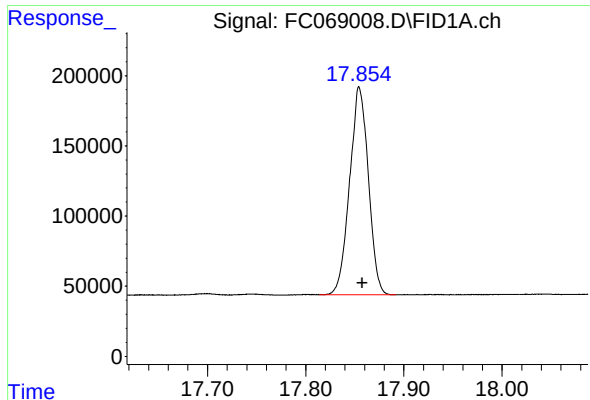
#15 n-Hexacosane (C26)

R.T.: 16.016 min
Delta R.T.: -0.003 min
Response: 1901500
Conc: 20.48 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.967 min
Delta R.T.: -0.003 min
Response: 1906247
Conc: 20.51 ug/ml



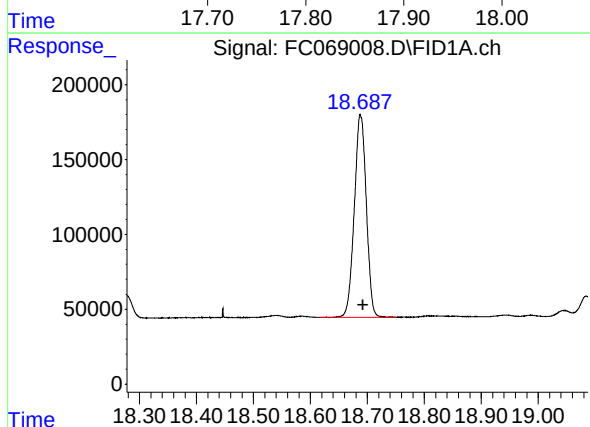
#17 n-Tricontane (C30)

R.T.: 17.855 min
Delta R.T.: -0.003 min
Response: 1963586
Conc: 20.29 ug/ml

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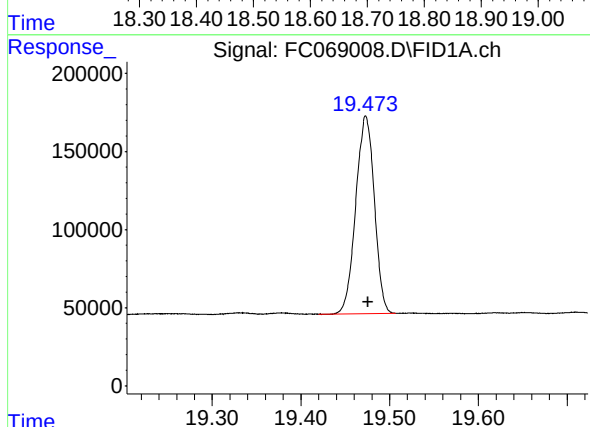
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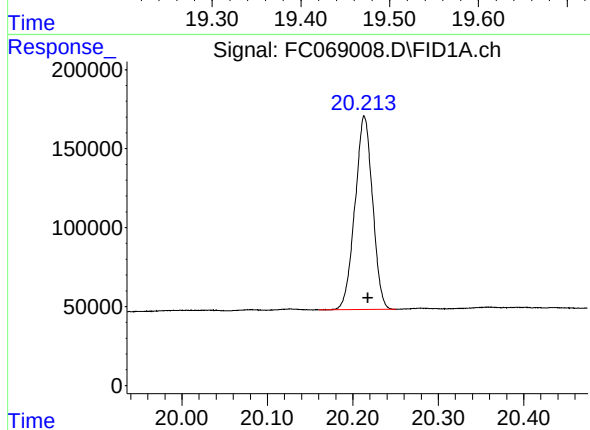
#18 n-Dotriacontane (C32)

R.T.: 18.688 min
Delta R.T.: -0.004 min
Response: 1980338
Conc: 19.98 ug/ml



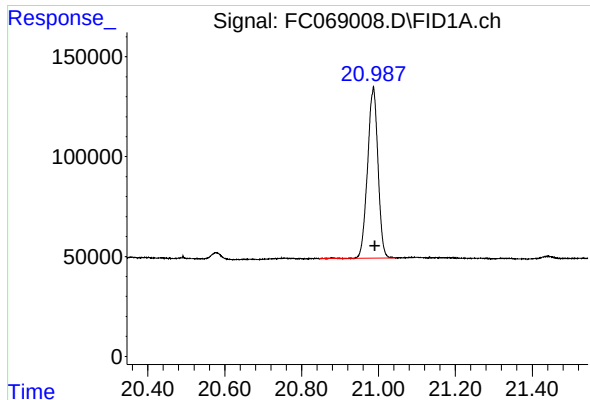
#19 n-Tetatriacontane (C34)

R.T.: 19.473 min
Delta R.T.: -0.002 min
Response: 1840591
Conc: 19.10 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.214 min
Delta R.T.: -0.004 min
Response: 1752044
Conc: 18.46 ug/ml



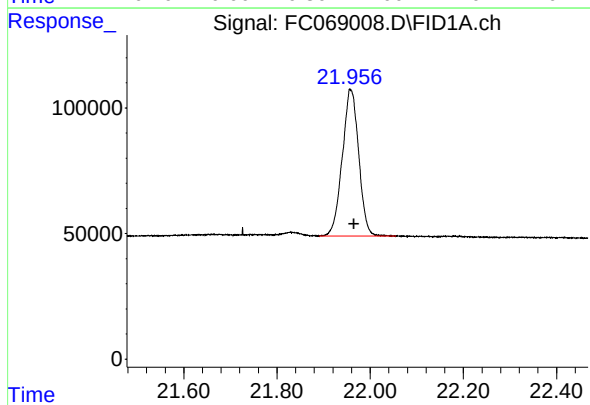
#21 n-Octatriacontane (C38)

R.T.: 20.987 min
Delta R.T.: -0.004 min
Response: 1600855
Conc: 17.55 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.958 min
Delta R.T.: -0.007 min
Response: 1428230
Conc: 16.19 ug/ml