

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060525AL\
 Data File : FC069097.D
 Signal(s) : FID1A.ch
 Acq On : 06 Jun 2025 00:33
 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 06/06/2025
 Supervised By :mohammad ahmed 06/09/2025

Integration File: autoint1.e
 Quant Time: Jun 06 04:13:55 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)	11.676	2478252	20.092 ug/ml
Spiked Amount 50.000		Recovery =	40.18%
12) S 1-chlorooctadecane (S...	13.113	1786590	19.914 ug/ml
Spiked Amount 50.000		Recovery =	39.83%
Target Compounds			
1) T n-Nonane (C9)	3.403	2191764	20.653 ug/ml
2) T n-Decane (C10)	4.477	2197425	20.749 ug/ml
3) T A~Naphthalene (C11.7)	6.072	2389881	20.667 ug/ml
4) T n-Dodecane (C12)	6.504	2162460	20.571 ug/ml
5) T A~2-methylnaphthalene...	7.132	2335650	20.602 ug/ml
6) T n-Tetradecane (C14)	8.303	2075579	20.249 ug/ml
7) T n-Hexadecane (C16)	9.909	2012575	19.835 ug/ml
8) T n-Octadecane (C18)	11.354	1969439	19.705 ug/mlm
10) T n-Eicosane (C20)	12.666	1912342	19.634 ug/ml
11) T n-Heneicosane (C21)	13.280	1893827	19.676 ug/ml
13) T n-Docosane (C22)	13.867	1882055	19.755 ug/ml
14) T n-Tetracosane (C24)	14.972	1871021	19.872 ug/ml
15) T n-Hexacosane (C26)	15.996	1856343	19.995 ug/ml
16) T n-Octacosane (C28)	16.948	1876860	20.192 ug/ml
17) T n-Tricontane (C30)	17.838	1974778	20.410 ug/ml
18) T n-Dotriacontane (C32)	18.672	2022906	20.413 ug/ml
19) T n-Tetratriacontane (C34)	19.457	1926138	19.985 ug/ml
20) T n-Hexatriacontane (C36)	20.199	1883267	19.839 ug/ml
21) T n-Octatriacontane (C38)	20.969	1810095	19.840 ug/ml
22) T n-Tetracontane (C40)	21.937	1767731	20.034 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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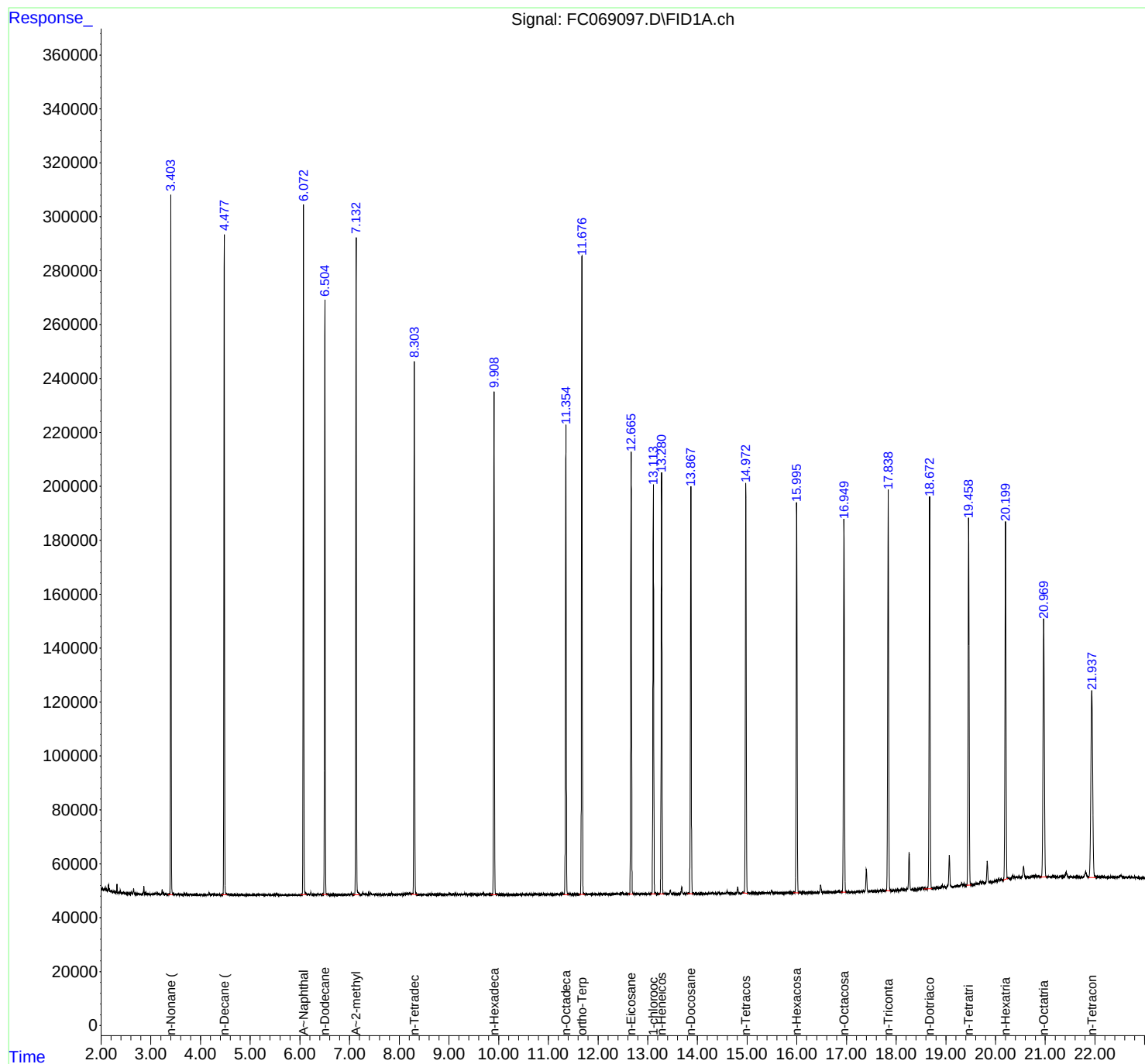
Instrument :
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20 PPM ALIPHATIC HC STD

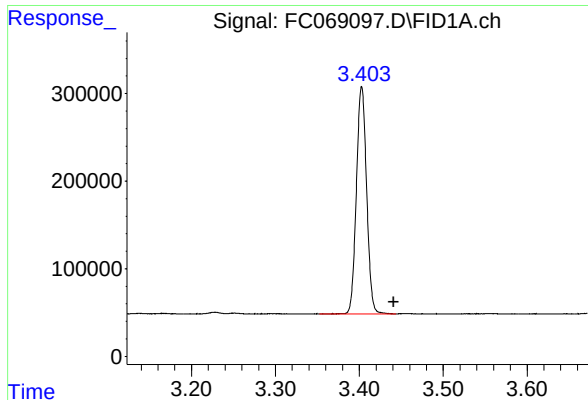
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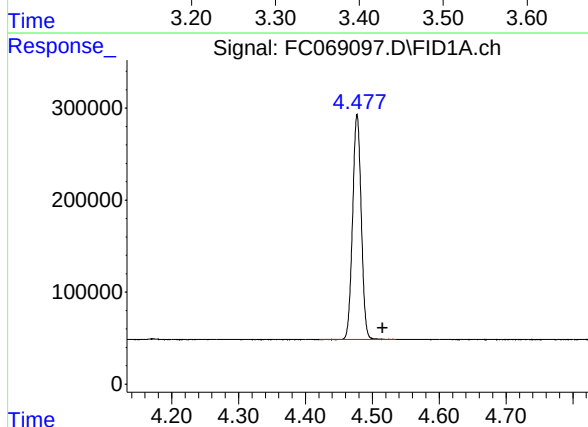
#1 n-Nonane (C9)

R.T.: 3.403 min
Delta R.T.: -0.038 min
Response: 2191764
Conc: 20.65 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

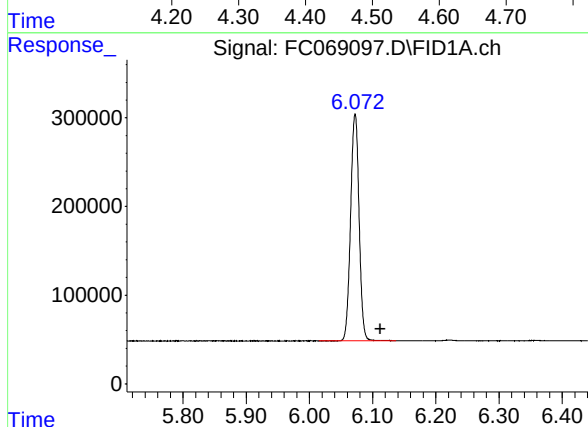
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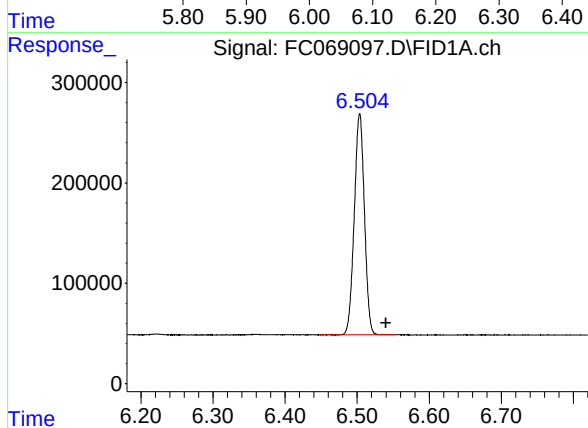
#2 n-Decane (C10)

R.T.: 4.477 min
Delta R.T.: -0.038 min
Response: 2197425
Conc: 20.75 ug/ml



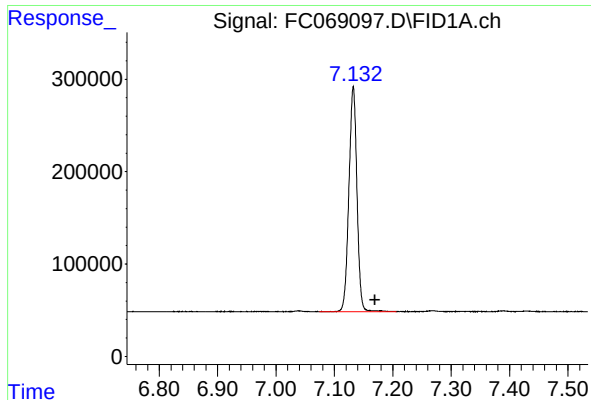
#3 A~Naphthalene (C11.7)

R.T.: 6.072 min
Delta R.T.: -0.040 min
Response: 2389881
Conc: 20.67 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.504 min
Delta R.T.: -0.036 min
Response: 2162460
Conc: 20.57 ug/ml



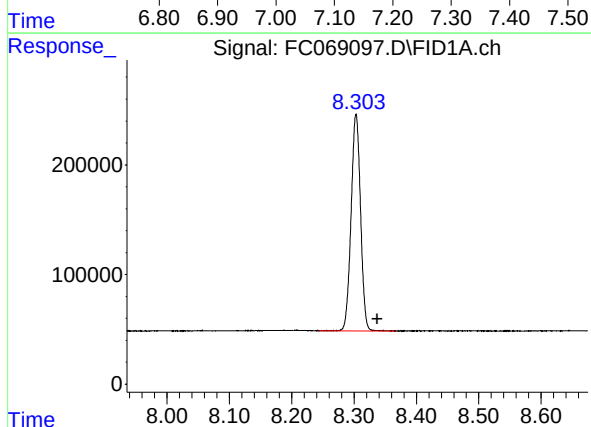
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.132 min
Delta R.T.: -0.038 min
Response: 2335650
Conc: 20.60 ug/ml

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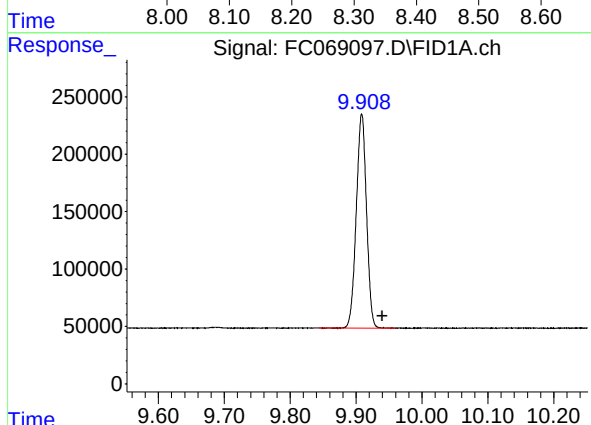
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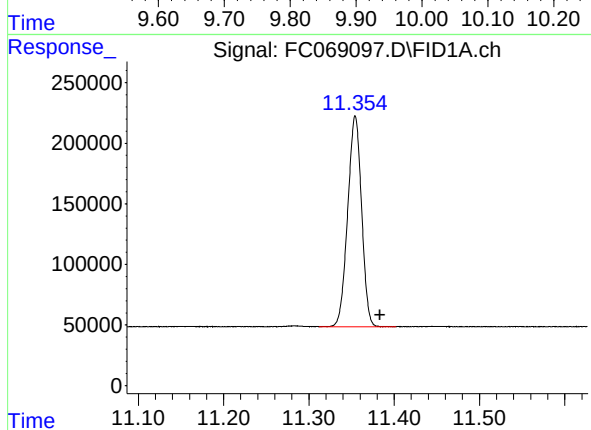
#6 n-Tetradecane (C14)

R.T.: 8.303 min
Delta R.T.: -0.034 min
Response: 2075579
Conc: 20.25 ug/ml



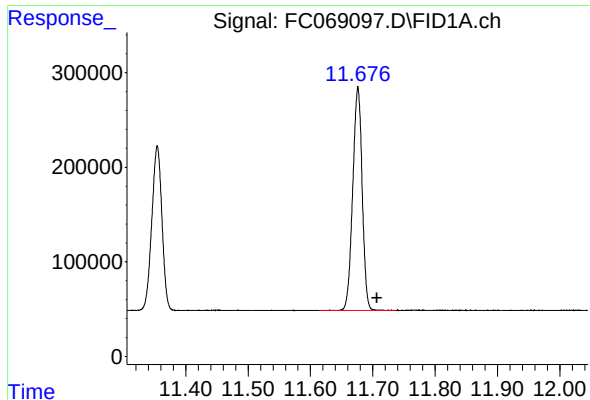
#7 n-Hexadecane (C16)

R.T.: 9.909 min
Delta R.T.: -0.031 min
Response: 2012575
Conc: 19.83 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.354 min
Delta R.T.: -0.029 min
Response: 1969439
Conc: 19.71 ug/ml m



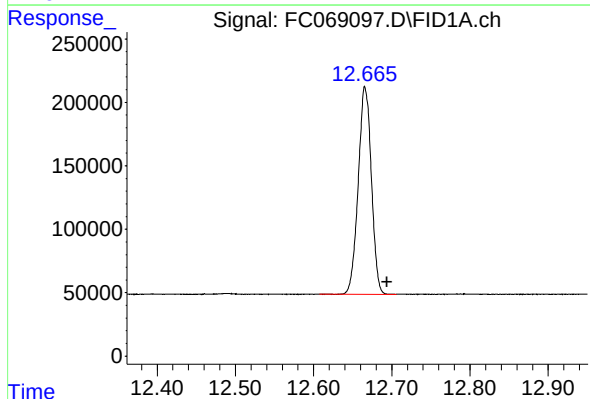
#9 ortho-Terphenyl (SURR)

R.T.: 11.676 min
Delta R.T.: -0.031 min
Response: 2478252
Conc: 20.09 ug/ml

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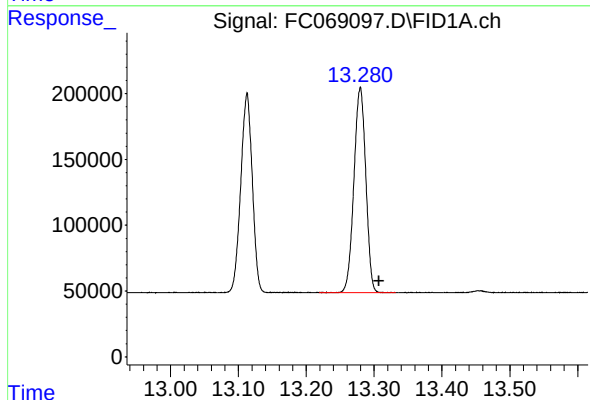
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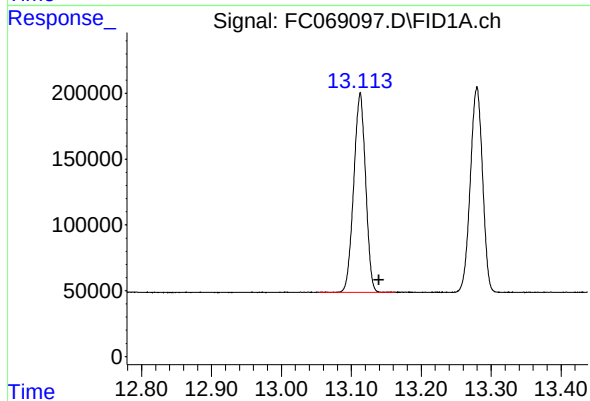
#10 n-Eicosane (C20)

R.T.: 12.666 min
Delta R.T.: -0.028 min
Response: 1912342
Conc: 19.63 ug/ml



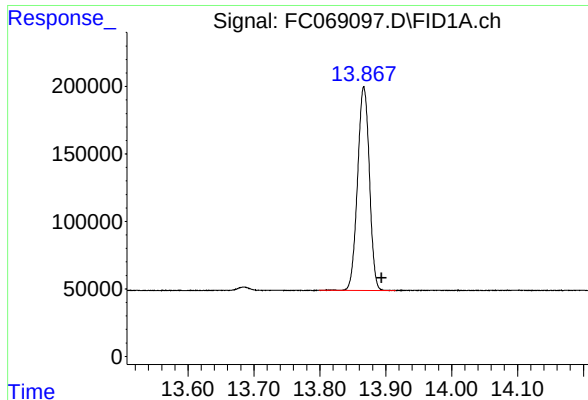
#11 n-Heneicosane (C21)

R.T.: 13.280 min
Delta R.T.: -0.027 min
Response: 1893827
Conc: 19.68 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.113 min
Delta R.T.: -0.027 min
Response: 1786590
Conc: 19.91 ug/ml



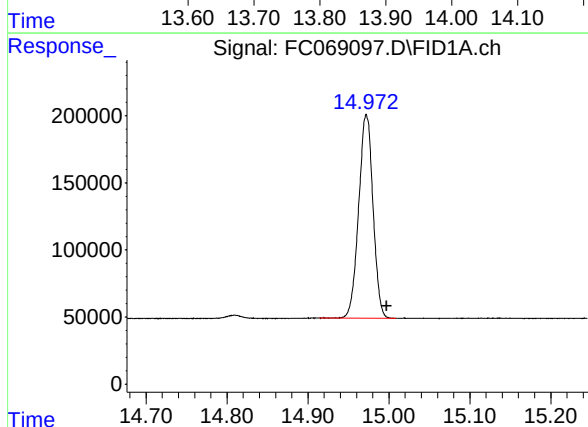
#13 n-Docosane (C22)

R.T.: 13.867 min
Delta R.T.: -0.027 min
Response: 1882055
Conc: 19.76 ug/ml

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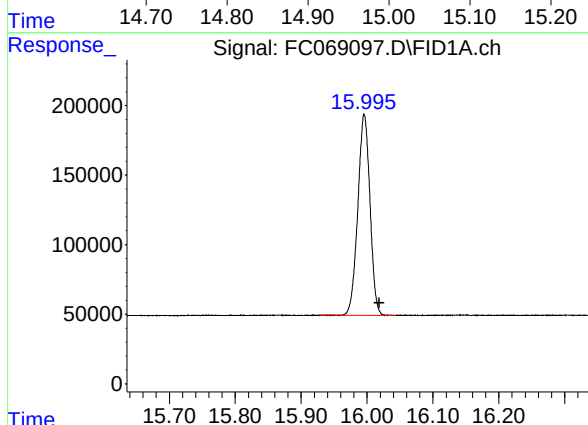
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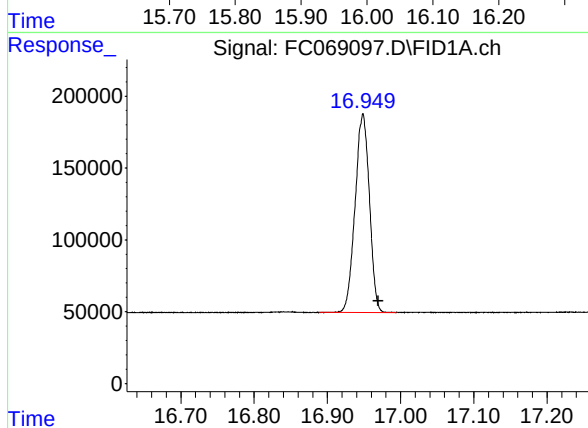
#14 n-Tetracosane (C24)

R.T.: 14.972 min
Delta R.T.: -0.025 min
Response: 1871021
Conc: 19.87 ug/ml



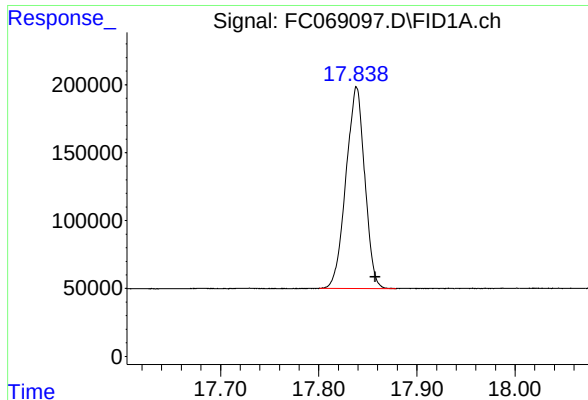
#15 n-Hexacosane (C26)

R.T.: 15.996 min
Delta R.T.: -0.023 min
Response: 1856343
Conc: 19.99 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.948 min
Delta R.T.: -0.021 min
Response: 1876860
Conc: 20.19 ug/ml



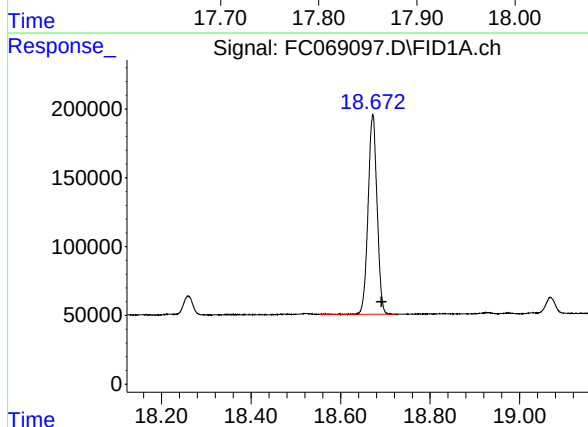
#17 n-Tricontane (C30)

R.T.: 17.838 min
Delta R.T.: -0.019 min
Response: 1974778
Conc: 20.41 ug/ml

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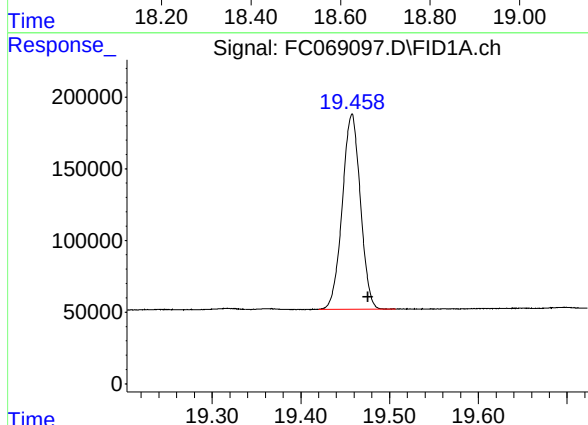
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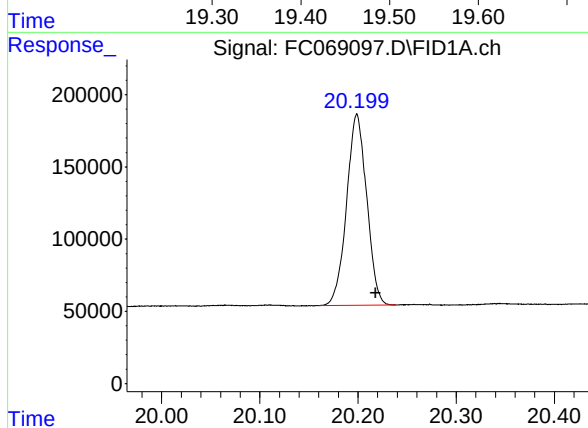
#18 n-Dotriacontane (C32)

R.T.: 18.672 min
Delta R.T.: -0.020 min
Response: 2022906
Conc: 20.41 ug/ml



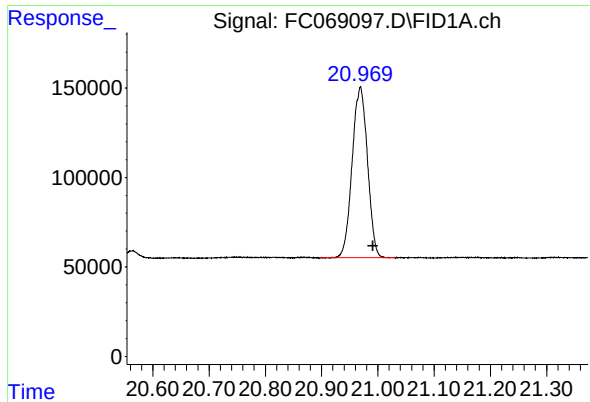
#19 n-Tetratriacontane (C34)

R.T.: 19.457 min
Delta R.T.: -0.018 min
Response: 1926138
Conc: 19.98 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.199 min
Delta R.T.: -0.019 min
Response: 1883267
Conc: 19.84 ug/ml



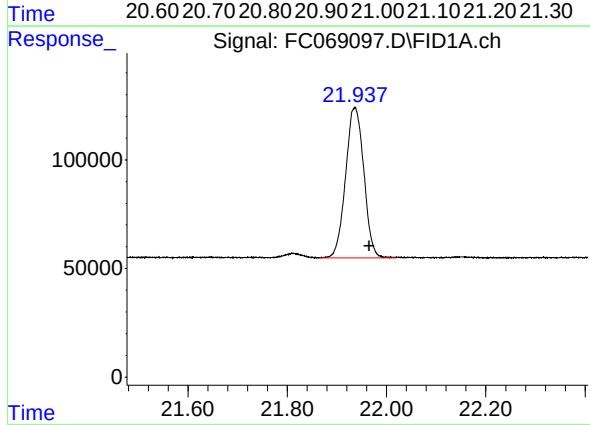
#21 n-Octatriacontane (C38)

R.T.: 20.969 min
Delta R.T.: -0.022 min
Response: 1810095
Conc: 19.84 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.937 min
Delta R.T.: -0.028 min
Response: 1767731
Conc: 20.03 ug/ml m