

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060525AL\
 Data File : FC069085.D
 Signal(s) : FID1A.ch
 Acq On : 05 Jun 2025 15:36
 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 04:10:28 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	2494701	20.226 ug/ml
Spiked Amount 50.000		Recovery =	40.45%
12) S 1-chlorooctadecane (S...	13.113	1798442	20.046 ug/ml
Spiked Amount 50.000		Recovery =	40.09%
Target Compounds			
1) T n-Nonane (C9)	3.404	2218164	20.902 ug/ml
2) T n-Decane (C10)	4.478	2221310	20.974 ug/ml
3) T A~Naphthalene (C11.7)	6.073	2410854	20.849 ug/ml
4) T n-Dodecane (C12)	6.504	2189976	20.833 ug/ml
5) T A~2-methylnaphthalene...	7.132	2356398	20.785 ug/ml
6) T n-Tetradecane (C14)	8.304	2096876	20.457 ug/ml
7) T n-Hexadecane (C16)	9.909	2034284	20.049 ug/ml
8) T n-Octadecane (C18)	11.355	1985935	19.870 ug/mlm
10) T n-Eicosane (C20)	12.667	1929544	19.811 ug/ml
11) T n-Heneicosane (C21)	13.280	1907952	19.822 ug/ml
13) T n-Docosane (C22)	13.868	1898274	19.925 ug/ml
14) T n-Tetracosane (C24)	14.974	1876448	19.930 ug/ml
15) T n-Hexacosane (C26)	15.997	1858398	20.017 ug/ml
16) T n-Octacosane (C28)	16.949	1868074	20.097 ug/ml
17) T n-Tricontane (C30)	17.838	1944953	20.101 ug/ml
18) T n-Dotriacontane (C32)	18.672	1988542	20.066 ug/ml
19) T n-Tetratriacontane (C34)	19.458	1902525	19.740 ug/ml
20) T n-Hexatriacontane (C36)	20.199	1865982	19.656 ug/ml
21) T n-Octatriacontane (C38)	20.970	1802748	19.759 ug/ml
22) T n-Tetracontane (C40)	21.937	1799896	20.399 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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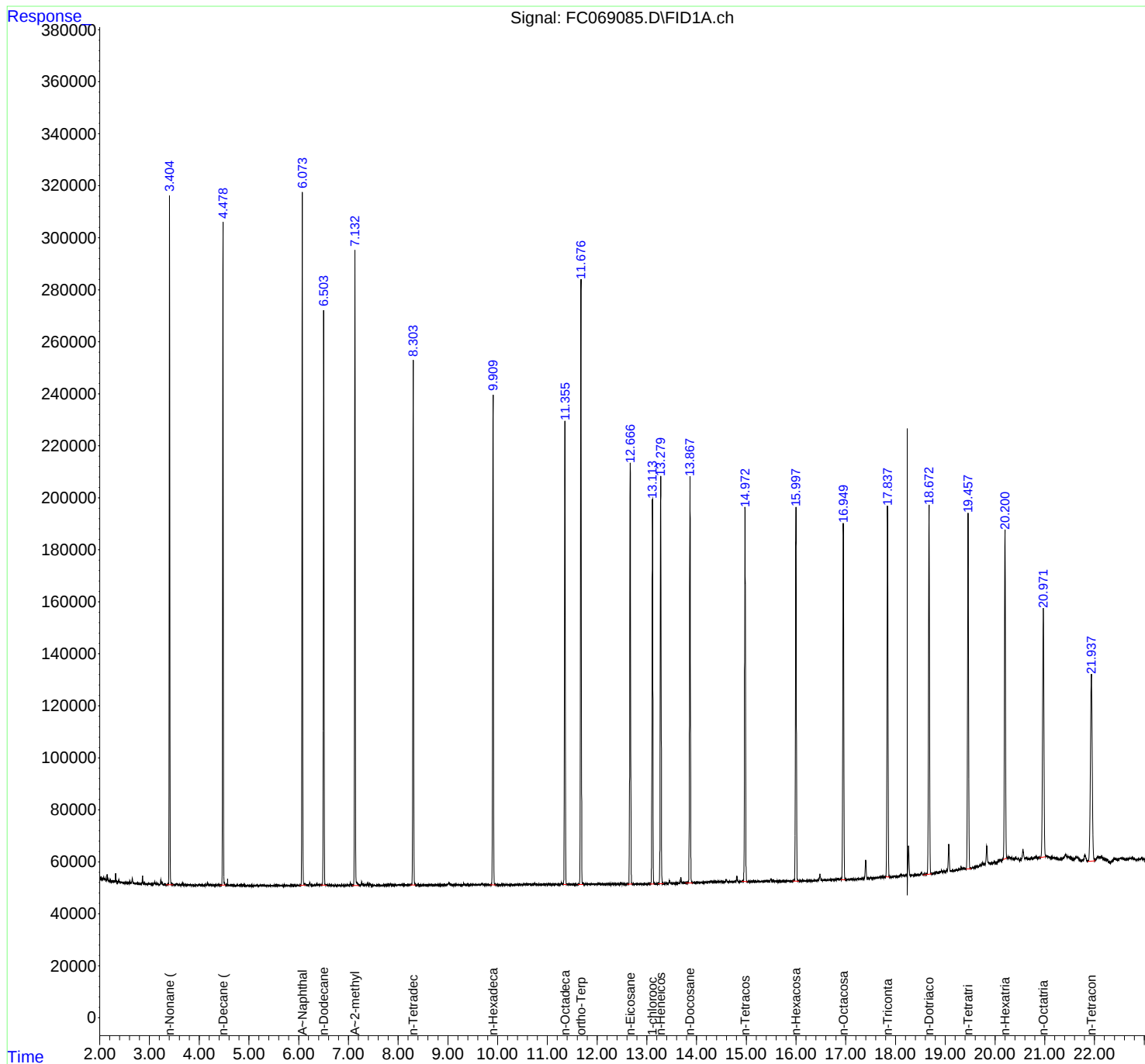
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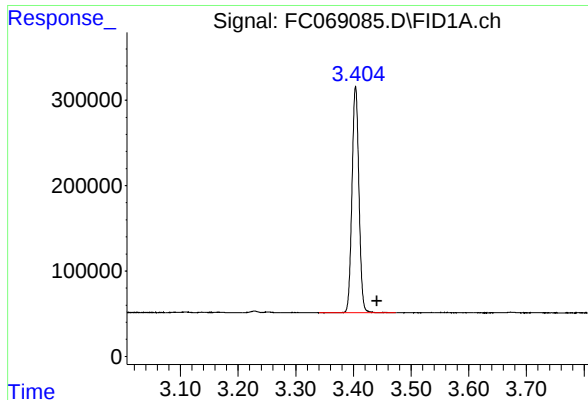
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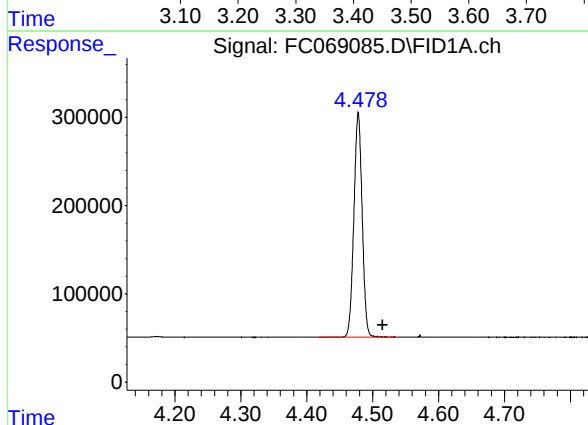
#1 n-Nonane (C9)

R.T.: 3.404 min
Delta R.T.: -0.037 min
Response: 2218164
Conc: 20.90 ug/ml

Instrument :
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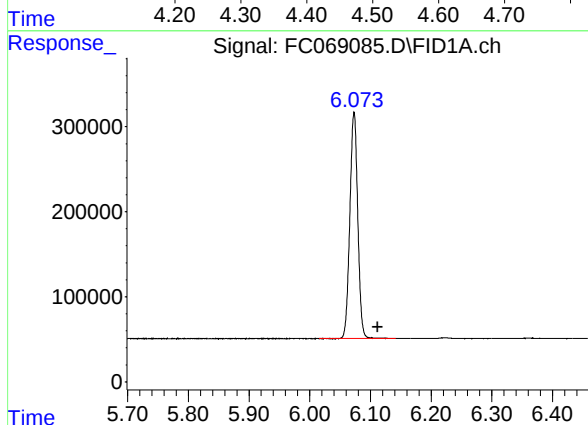
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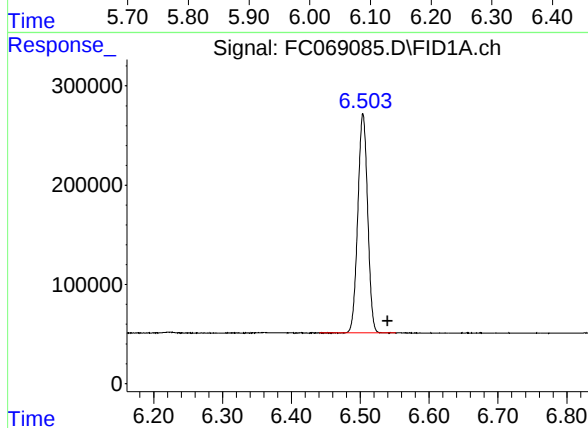
#2 n-Decane (C10)

R.T.: 4.478 min
Delta R.T.: -0.037 min
Response: 2221310
Conc: 20.97 ug/ml



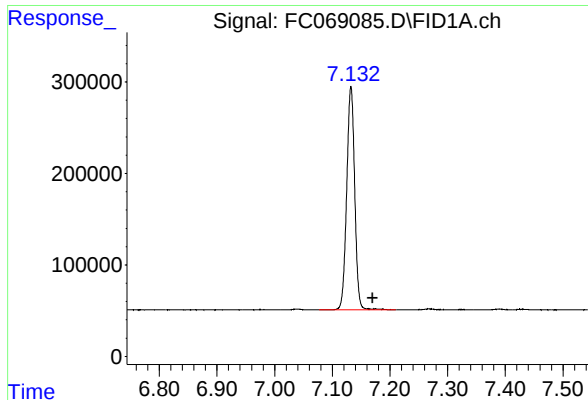
#3 A~Naphthalene (C11.7)

R.T.: 6.073 min
Delta R.T.: -0.039 min
Response: 2410854
Conc: 20.85 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.504 min
Delta R.T.: -0.036 min
Response: 2189976
Conc: 20.83 ug/ml



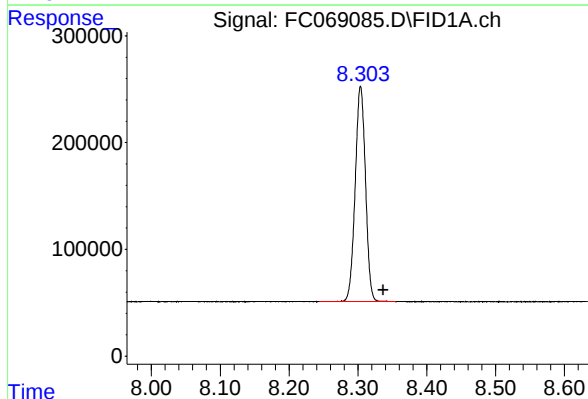
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.132 min
Delta R.T.: -0.037 min
Response: 2356398
Conc: 20.79 ug/ml

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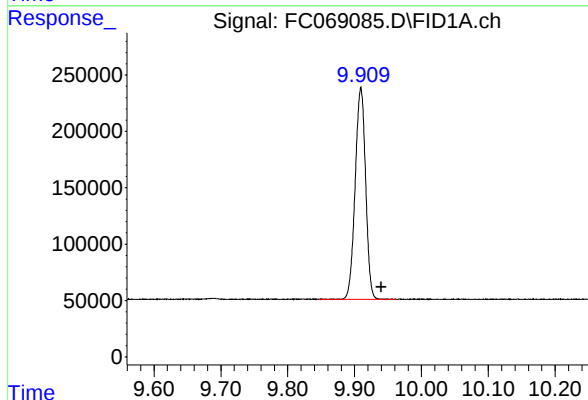
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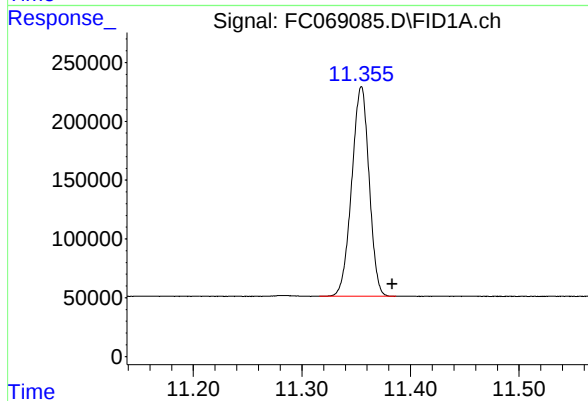
#6 n-Tetradecane (C14)

R.T.: 8.304 min
Delta R.T.: -0.033 min
Response: 2096876
Conc: 20.46 ug/ml



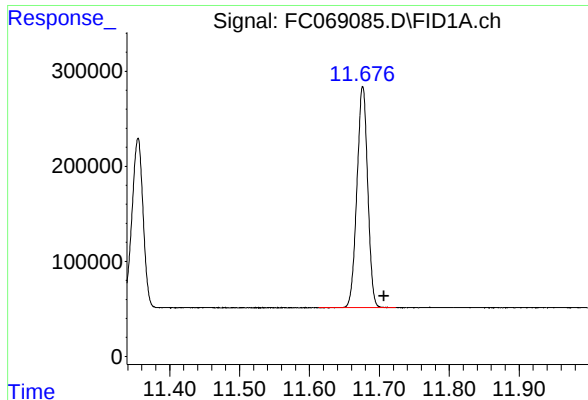
#7 n-Hexadecane (C16)

R.T.: 9.909 min
Delta R.T.: -0.031 min
Response: 2034284
Conc: 20.05 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.355 min
Delta R.T.: -0.029 min
Response: 1985935
Conc: 19.87 ug/ml m



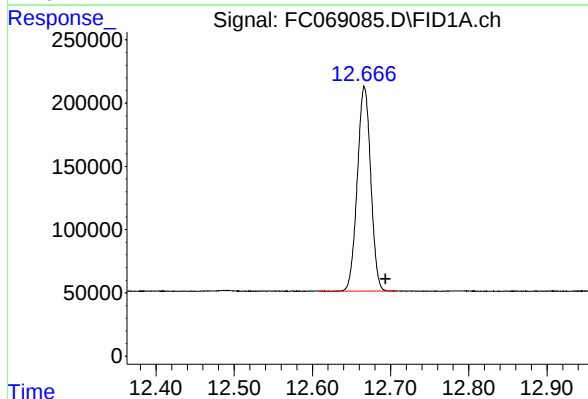
#9 ortho-Terphenyl (SURR)

R.T.: 11.676 min
Delta R.T.: -0.031 min
Response: 2494701
Conc: 20.23 ug/ml

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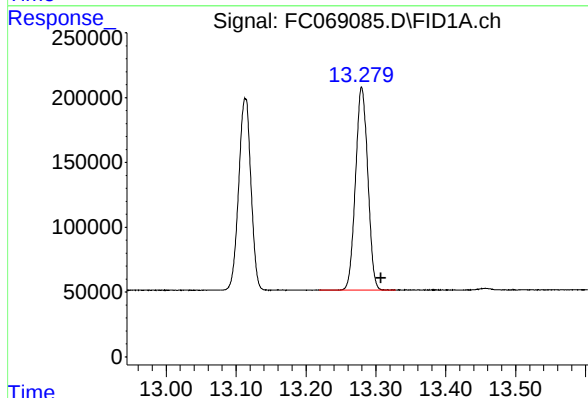
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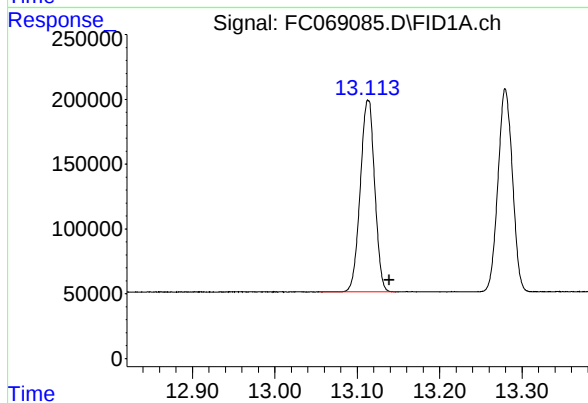
#10 n-Eicosane (C20)

R.T.: 12.667 min
Delta R.T.: -0.027 min
Response: 1929544
Conc: 19.81 ug/ml



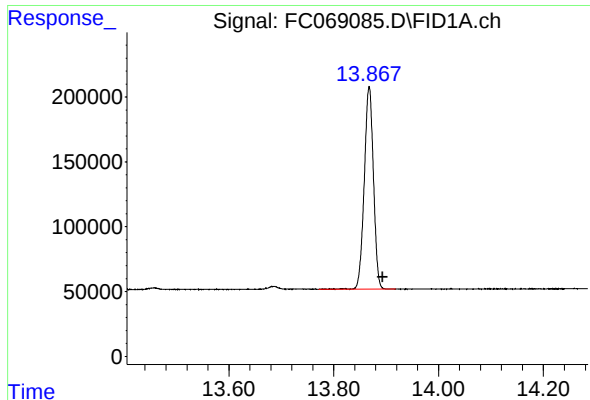
#11 n-Heneicosane (C21)

R.T.: 13.280 min
Delta R.T.: -0.027 min
Response: 1907952
Conc: 19.82 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.113 min
Delta R.T.: -0.026 min
Response: 1798442
Conc: 20.05 ug/ml



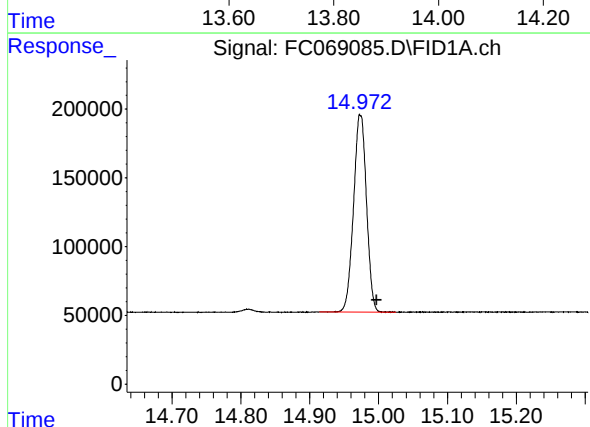
#13 n-Docosane (C22)

R.T.: 13.868 min
Delta R.T.: -0.026 min
Response: 1898274
Conc: 19.93 ug/ml

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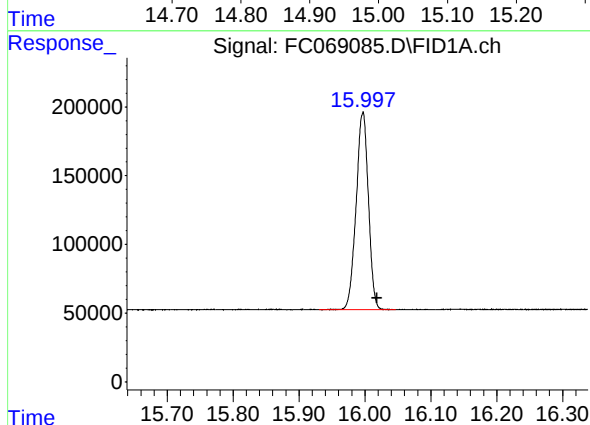
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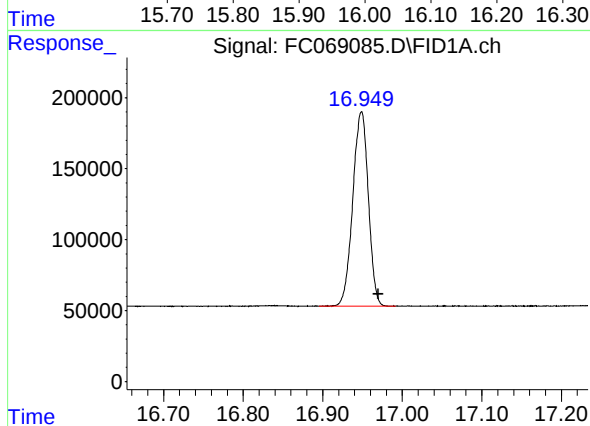
#14 n-Tetracosane (C24)

R.T.: 14.974 min
Delta R.T.: -0.023 min
Response: 1876448
Conc: 19.93 ug/ml



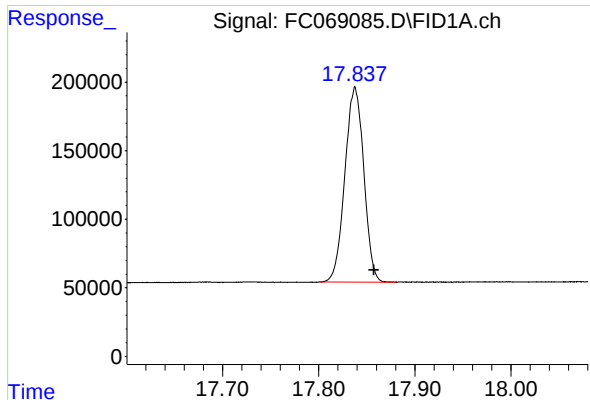
#15 n-Hexacosane (C26)

R.T.: 15.997 min
Delta R.T.: -0.022 min
Response: 1858398
Conc: 20.02 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.949 min
Delta R.T.: -0.021 min
Response: 1868074
Conc: 20.10 ug/ml



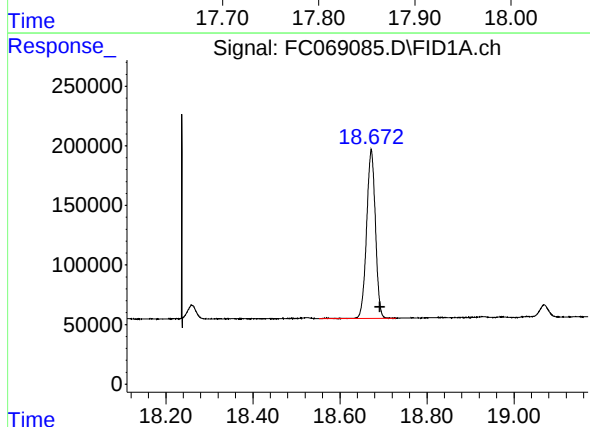
#17 n-Tricontane (C30)

R.T.: 17.838 min
Delta R.T.: -0.020 min
Response: 1944953
Conc: 20.10 ug/ml

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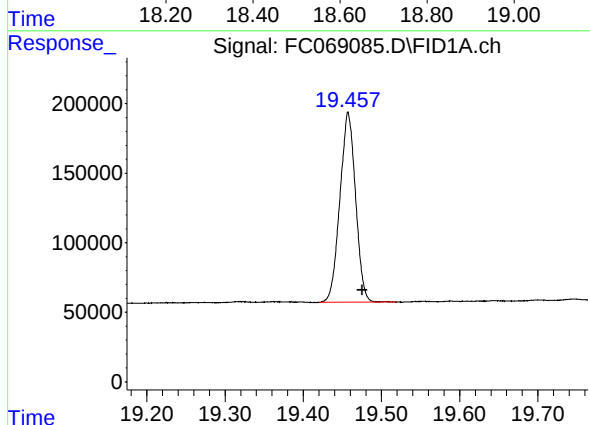
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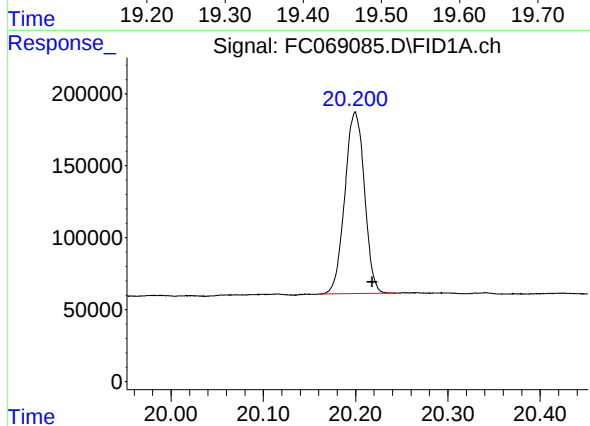
#18 n-Dotriacontane (C32)

R.T.: 18.672 min
Delta R.T.: -0.020 min
Response: 1988542
Conc: 20.07 ug/ml



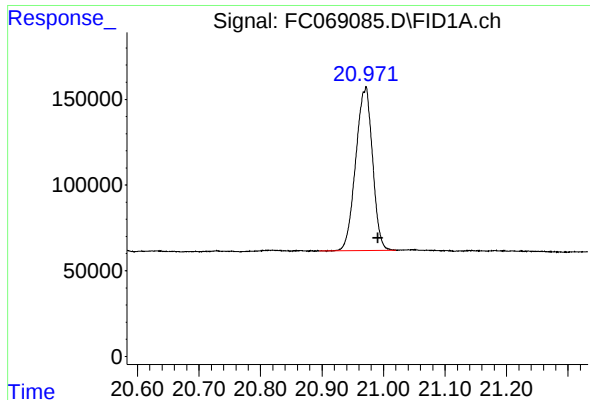
#19 n-Tetratriacontane (C34)

R.T.: 19.458 min
Delta R.T.: -0.018 min
Response: 1902525
Conc: 19.74 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.199 min
Delta R.T.: -0.019 min
Response: 1865982
Conc: 19.66 ug/ml



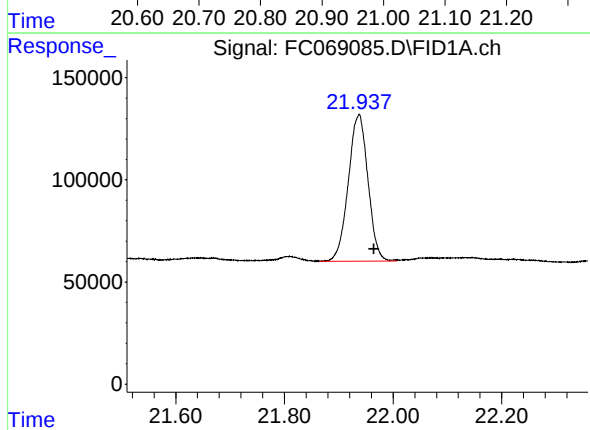
#21 n-Octatriacontane (C38)

R.T.: 20.970 min
Delta R.T.: -0.021 min
Response: 1802748
Conc: 19.76 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.937 min
Delta R.T.: -0.028 min
Response: 1799896
Conc: 20.40 ug/ml m