

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060425AL\
 Data File : FC069067.D
 Signal(s) : FID1A.ch
 Acq On : 04 Jun 2025 15:07
 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 06/05/2025
 Supervised By :mohammad ahmed 06/06/2025

Integration File: autoint1.e
 Quant Time: Jun 05 08:02:35 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	2473238	20.052 ug/ml
Spiked Amount 50.000		Recovery =	40.10%
12) S 1-chlorooctadecane (S...	13.113	1742385	19.422 ug/ml
Spiked Amount 50.000		Recovery =	38.84%
Target Compounds			
1) T n-Nonane (C9)	3.400	2172341	20.470 ug/ml
2) T n-Decane (C10)	4.475	2171330	20.502 ug/ml
3) T A~Naphthalene (C11.7)	6.071	2358231	20.394 ug/ml
4) T n-Dodecane (C12)	6.504	2146591	20.420 ug/ml
5) T A~2-methylnaphthalene...	7.132	2298545	20.275 ug/ml
6) T n-Tetradecane (C14)	8.304	2067701	20.172 ug/ml
7) T n-Hexadecane (C16)	9.909	2019399	19.902 ug/ml
8) T n-Octadecane (C18)	11.355	1983901	19.850 ug/mlm
10) T n-Eicosane (C20)	12.666	1919377	19.707 ug/ml
11) T n-Heneicosane (C21)	13.280	1898645	19.726 ug/ml
13) T n-Docosane (C22)	13.868	1878876	19.722 ug/ml
14) T n-Tetracosane (C24)	14.973	1862959	19.787 ug/ml
15) T n-Hexacosane (C26)	15.996	1824946	19.657 ug/ml
16) T n-Octacosane (C28)	16.949	1811312	19.486 ug/ml
17) T n-Tricontane (C30)	17.838	1864041	19.265 ug/ml
18) T n-Dotriacontane (C32)	18.671	1889217	19.064 ug/ml
19) T n-Tetratriacontane (C34)	19.458	1804859	18.727 ug/ml
20) T n-Hexatriacontane (C36)	20.200	1753017	18.466 ug/ml
21) T n-Octatriacontane (C38)	20.968	1655853	18.149 ug/ml
22) T n-Tetracontane (C40)	21.936	1549218	17.558 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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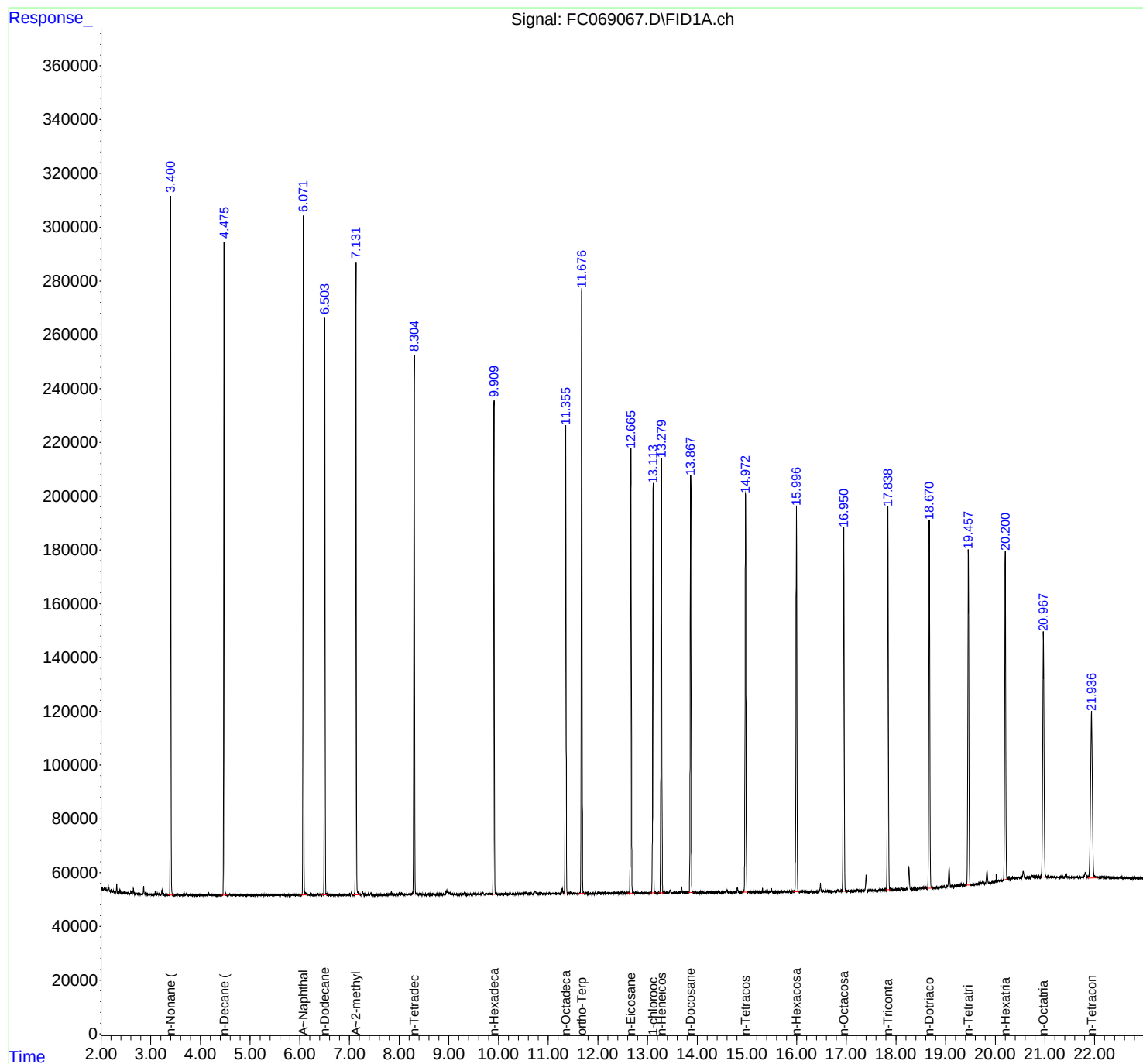
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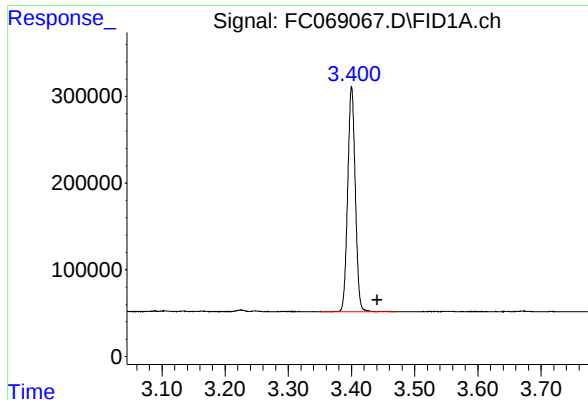
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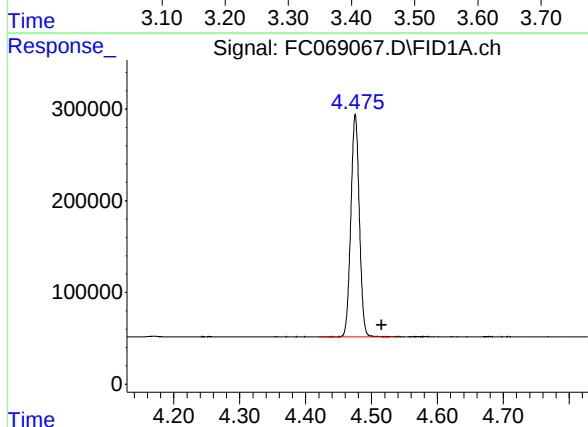
#1 n-Nonane (C9)

R.T.: 3.400 min
Delta R.T.: -0.041 min
Response: 2172341
Conc: 20.47 ug/ml

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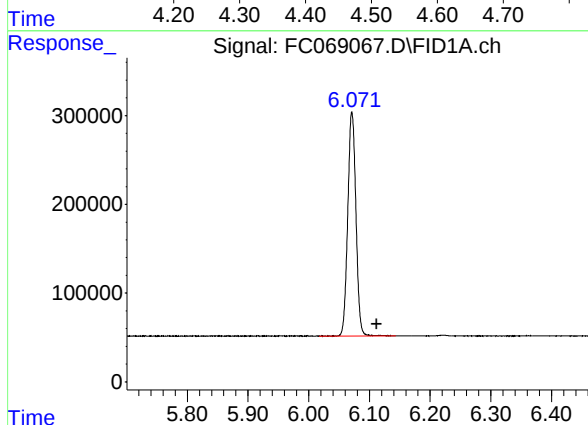
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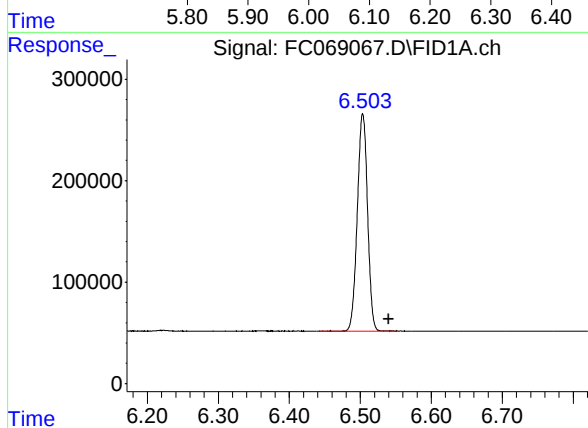
#2 n-Decane (C10)

R.T.: 4.475 min
Delta R.T.: -0.040 min
Response: 2171330
Conc: 20.50 ug/ml



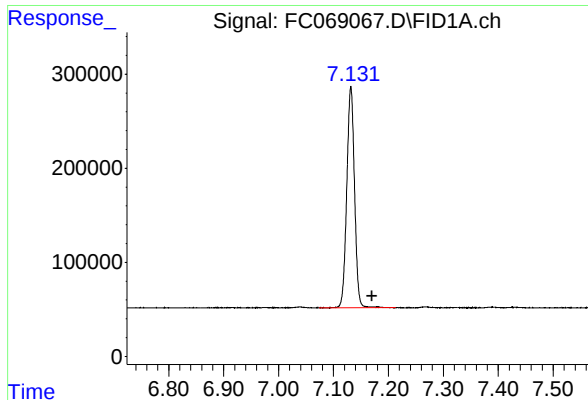
#3 A~Naphthalene (C11.7)

R.T.: 6.071 min
Delta R.T.: -0.041 min
Response: 2358231
Conc: 20.39 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.504 min
Delta R.T.: -0.036 min
Response: 2146591
Conc: 20.42 ug/ml



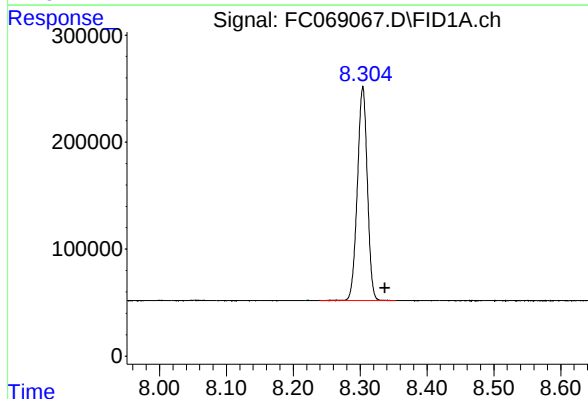
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.132 min
Delta R.T.: -0.038 min
Response: 2298545
Conc: 20.27 ug/ml

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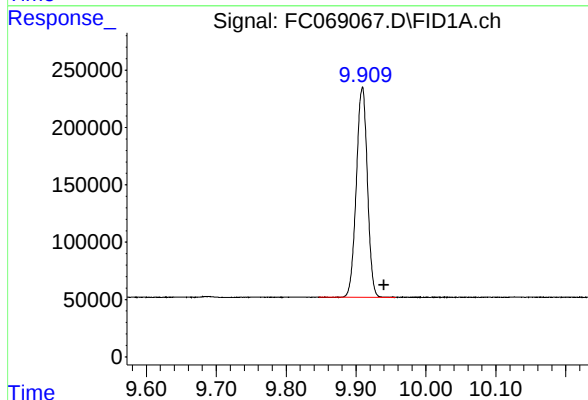
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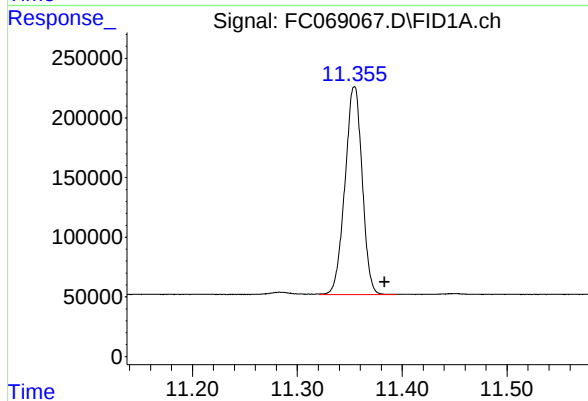
#6 n-Tetradecane (C14)

R.T.: 8.304 min
Delta R.T.: -0.033 min
Response: 2067701
Conc: 20.17 ug/ml



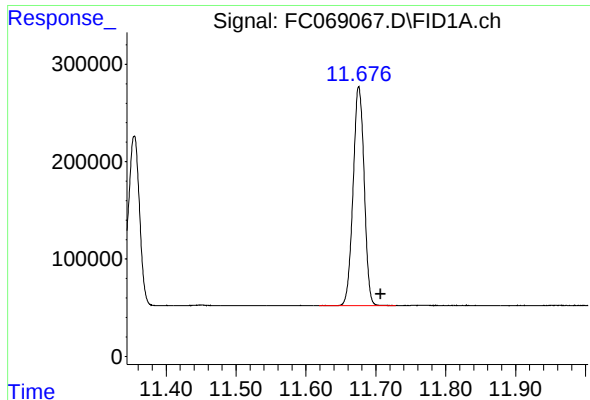
#7 n-Hexadecane (C16)

R.T.: 9.909 min
Delta R.T.: -0.031 min
Response: 2019399
Conc: 19.90 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.355 min
Delta R.T.: -0.029 min
Response: 1983901
Conc: 19.85 ug/ml m



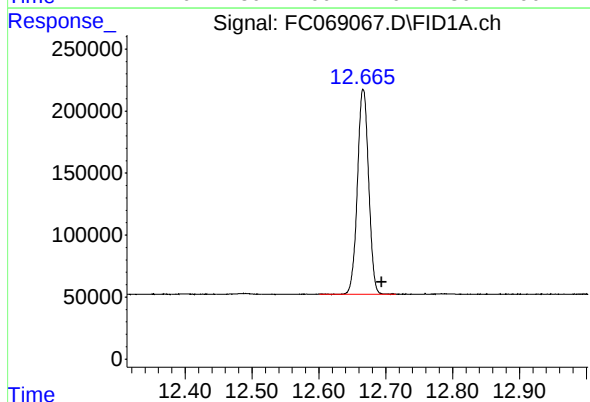
#9 ortho-Terphenyl (SURR)

R.T.: 11.676 min
Delta R.T.: -0.031 min
Response: 2473238
Conc: 20.05 ug/ml

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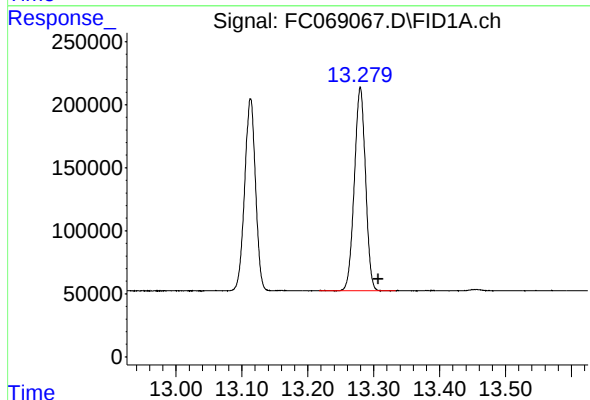
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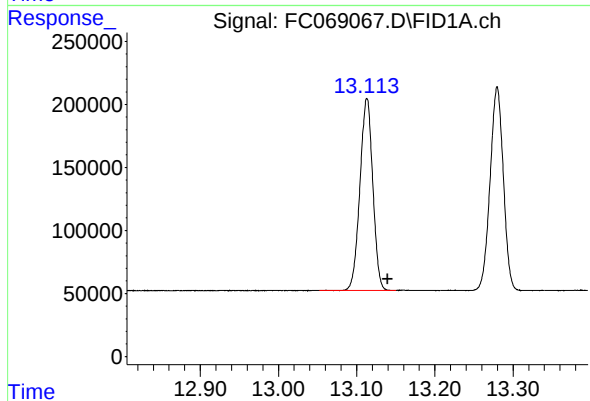
#10 n-Eicosane (C20)

R.T.: 12.666 min
Delta R.T.: -0.027 min
Response: 1919377
Conc: 19.71 ug/ml



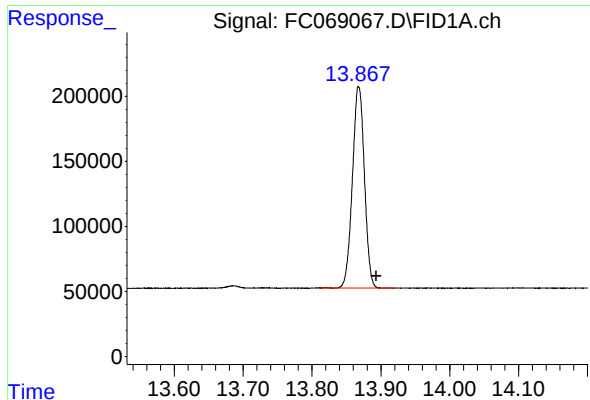
#11 n-Heneicosane (C21)

R.T.: 13.280 min
Delta R.T.: -0.027 min
Response: 1898645
Conc: 19.73 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.113 min
Delta R.T.: -0.026 min
Response: 1742385
Conc: 19.42 ug/ml



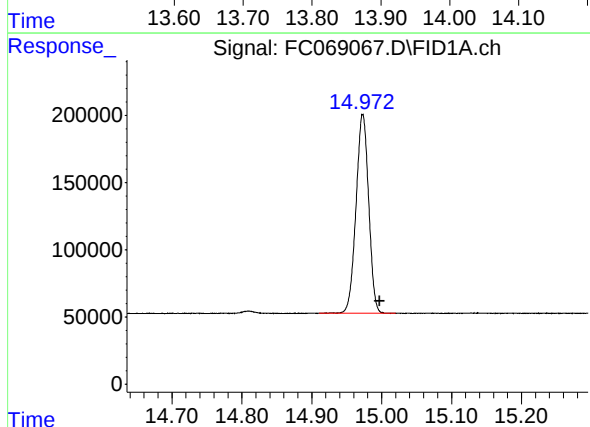
#13 n-Docosane (C22)

R.T.: 13.868 min
Delta R.T.: -0.025 min
Response: 1878876
Conc: 19.72 ug/ml

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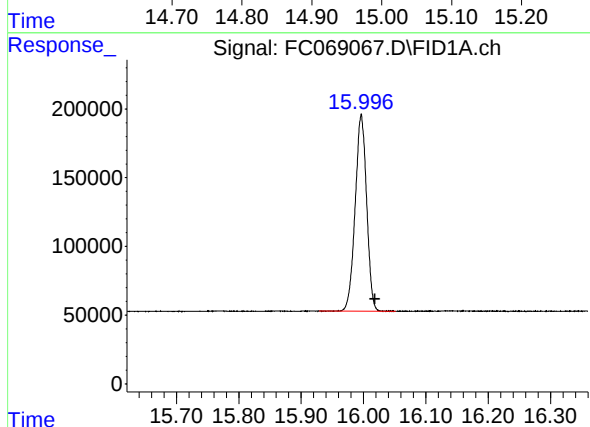
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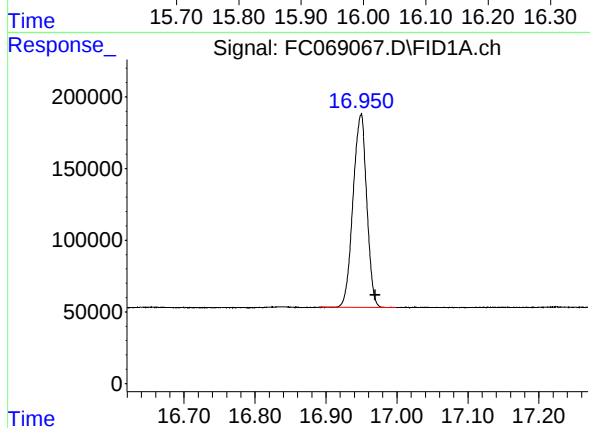
#14 n-Tetracosane (C24)

R.T.: 14.973 min
Delta R.T.: -0.024 min
Response: 1862959
Conc: 19.79 ug/ml



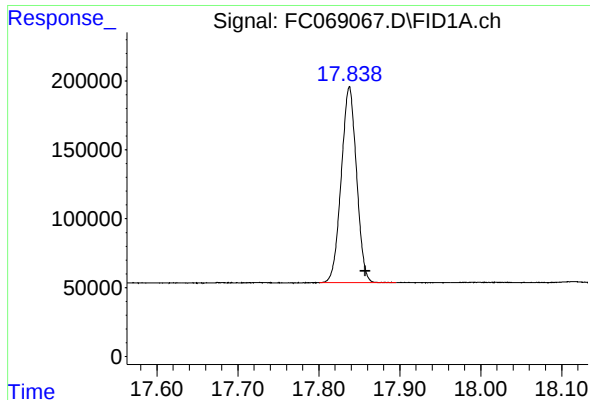
#15 n-Hexacosane (C26)

R.T.: 15.996 min
Delta R.T.: -0.022 min
Response: 1824946
Conc: 19.66 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.949 min
Delta R.T.: -0.021 min
Response: 1811312
Conc: 19.49 ug/ml



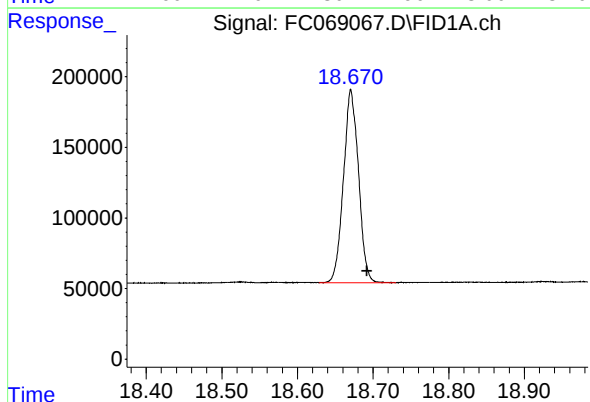
#17 n-Tricontane (C30)

R.T.: 17.838 min
Delta R.T.: -0.020 min
Response: 1864041
Conc: 19.27 ug/ml

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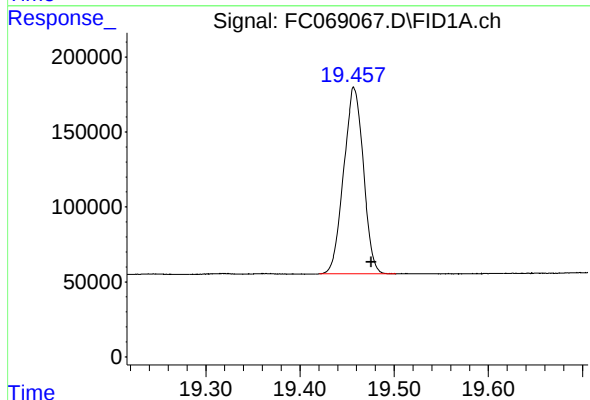
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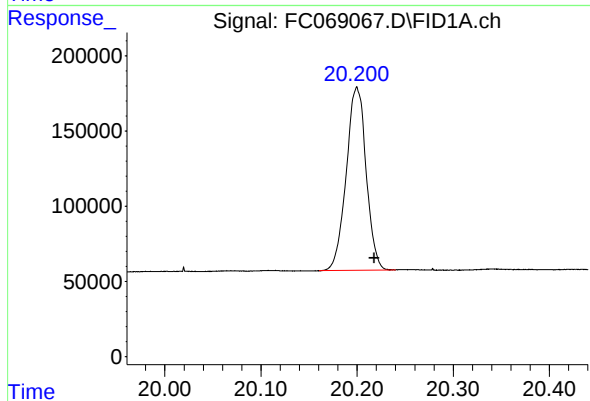
#18 n-Dotriacontane (C32)

R.T.: 18.671 min
Delta R.T.: -0.021 min
Response: 1889217
Conc: 19.06 ug/ml



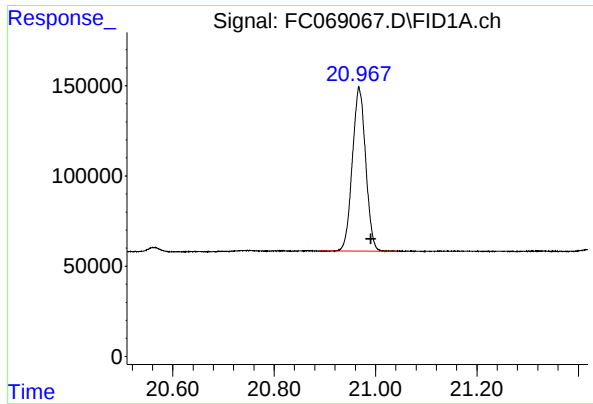
#19 n-Tetratriacontane (C34)

R.T.: 19.458 min
Delta R.T.: -0.018 min
Response: 1804859
Conc: 18.73 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.200 min
Delta R.T.: -0.018 min
Response: 1753017
Conc: 18.47 ug/ml



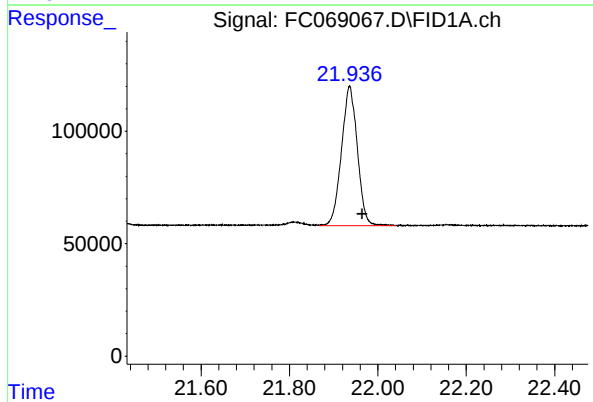
#21 n-Octatriacontane (C38)

R.T.: 20.968 min
Delta R.T.: -0.023 min
Response: 1655853
Conc: 18.15 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.936 min
Delta R.T.: -0.029 min
Response: 1549218
Conc: 17.56 ug/ml m