

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061225AL\
 Data File : FC069183.D
 Signal(s) : FID1A.ch
 Acq On : 12 Jun 2025 12:02
 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 06/13/2025
 Supervised By :mohammad ahmed 06/16/2025

Integration File: autoint1.e
 Quant Time: Jun 13 02:15:58 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)	11.677	2304948	18.687 ug/ml
Spiked Amount 50.000		Recovery =	37.37%
12) S 1-chlorooctadecane (S...	13.113	1611186	17.959 ug/ml
Spiked Amount 50.000		Recovery =	35.92%
Target Compounds			
1) T n-Nonane (C9)	3.405	2044697	19.267 ug/ml
2) T n-Decane (C10)	4.480	2066267	19.510 ug/ml
3) T A~Naphthalene (C11.7)	6.075	2223162	19.226 ug/ml
4) T n-Dodecane (C12)	6.506	2017858	19.195 ug/ml
5) T A~2-methylnaphthalene...	7.134	2159368	19.047 ug/ml
6) T n-Tetradecane (C14)	8.306	1931525	18.844 ug/ml
7) T n-Hexadecane (C16)	9.910	1878772	18.516 ug/ml
8) T n-Octadecane (C18)	11.355	1839300	18.403 ug/mlm
10) T n-Eicosane (C20)	12.667	1764147	18.113 ug/ml
11) T n-Heneicosane (C21)	13.280	1732702	18.002 ug/ml
13) T n-Docosane (C22)	13.868	1743237	18.298 ug/ml
14) T n-Tetracosane (C24)	14.972	1783539	18.943 ug/mlm
15) T n-Hexacosane (C26)	15.995	1813990	19.539 ug/ml
16) T n-Octacosane (C28)	16.948	1886813	20.299 ug/mlm
17) T n-Tricontane (C30)	17.837	2016424	20.840 ug/ml
18) T n-Dotriacontane (C32)	18.671	2087004	21.060 ug/ml
19) T n-Tetratriacontane (C34)	19.457	1919854	19.920 ug/ml
20) T n-Hexatriacontane (C36)	20.198	1792235	18.880 ug/ml
21) T n-Octatriacontane (C38)	20.968	1595050	17.483 ug/ml
22) T n-Tetracontane (C40)	21.936	1415225	16.039 ug/mlm

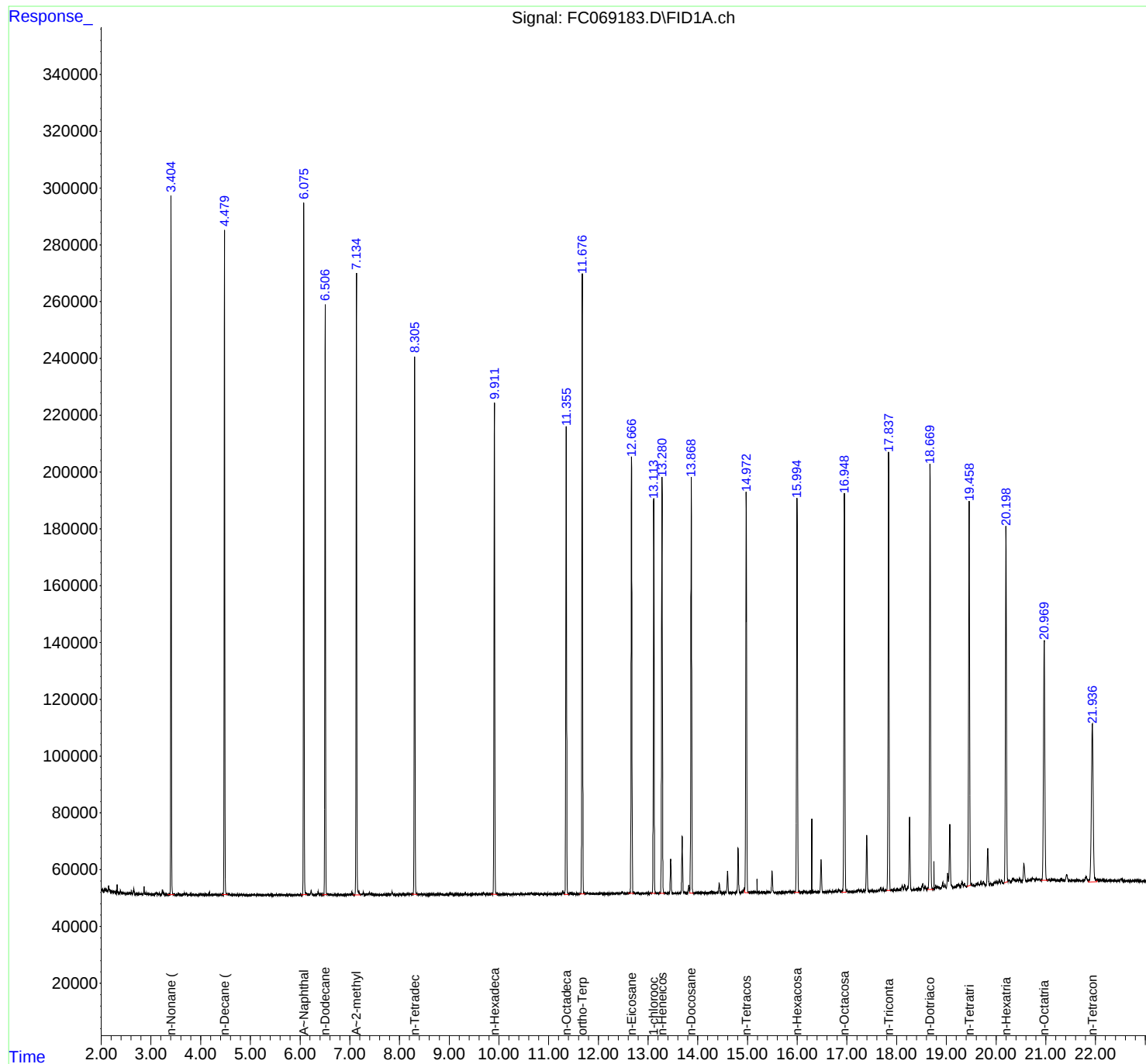
(f)=RT Delta > 1/2 Window

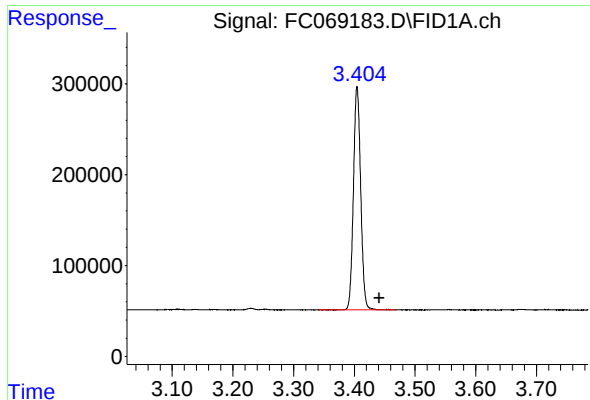
(m)=manual int.

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Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





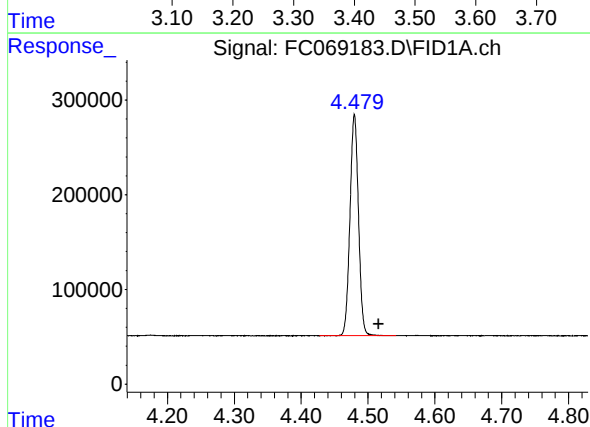
#1 n-Nonane (C9)

R.T.: 3.405 min
Delta R.T.: -0.036 min
Response: 2044697
Conc: 19.27 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

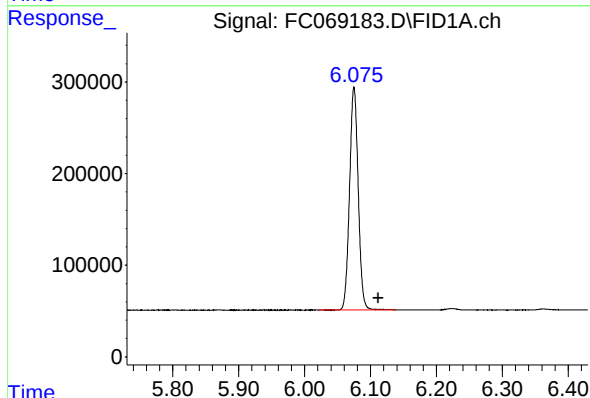
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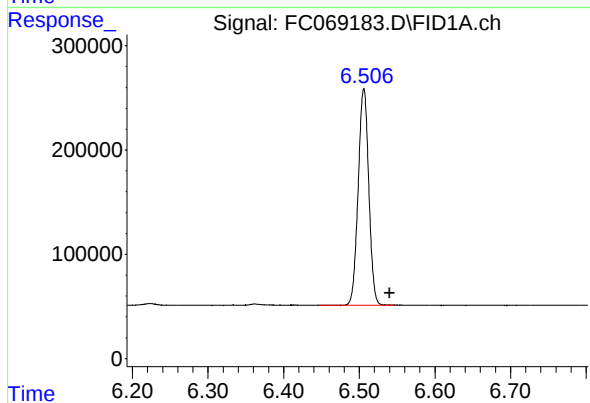
#2 n-Decane (C10)

R.T.: 4.480 min
Delta R.T.: -0.036 min
Response: 2066267
Conc: 19.51 ug/ml



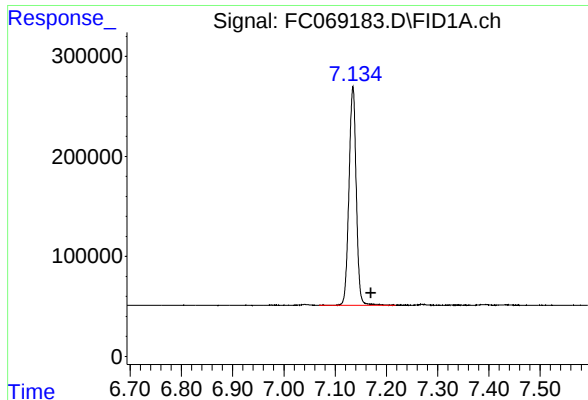
#3 A~Naphthalene (C11.7)

R.T.: 6.075 min
Delta R.T.: -0.037 min
Response: 2223162
Conc: 19.23 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.506 min
Delta R.T.: -0.034 min
Response: 2017858
Conc: 19.20 ug/ml



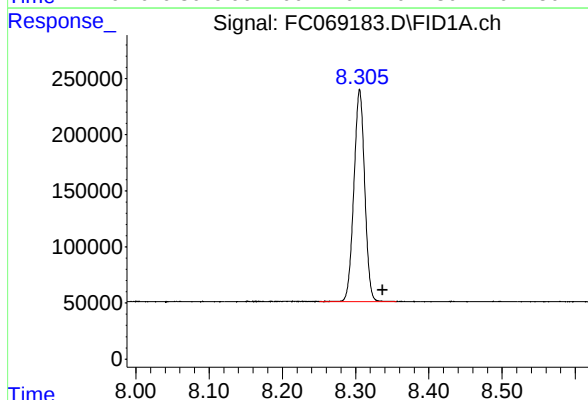
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.134 min
Delta R.T.: -0.035 min
Response: 2159368
Conc: 19.05 ug/ml

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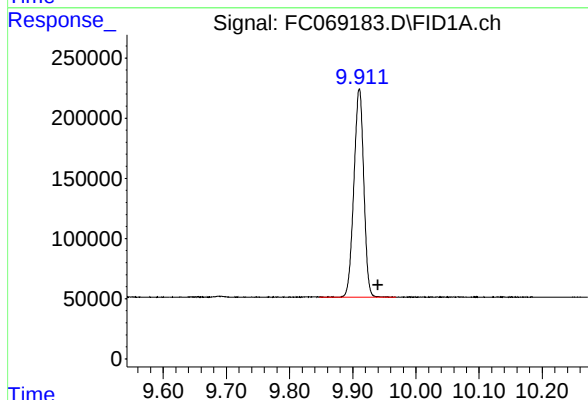
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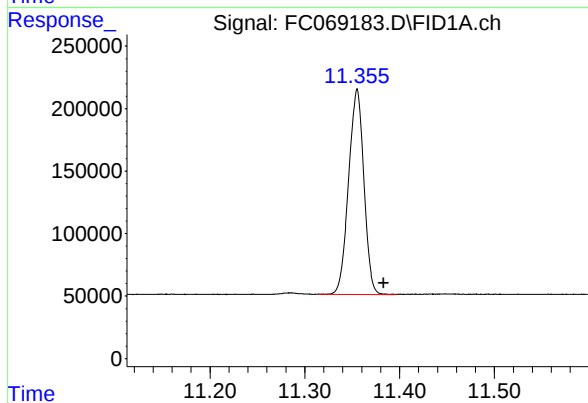
#6 n-Tetradecane (C14)

R.T.: 8.306 min
Delta R.T.: -0.032 min
Response: 1931525
Conc: 18.84 ug/ml



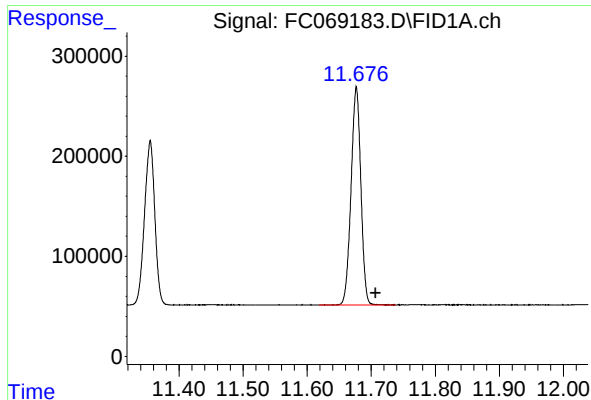
#7 n-Hexadecane (C16)

R.T.: 9.910 min
Delta R.T.: -0.030 min
Response: 1878772
Conc: 18.52 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.355 min
Delta R.T.: -0.028 min
Response: 1839300
Conc: 18.40 ug/ml m



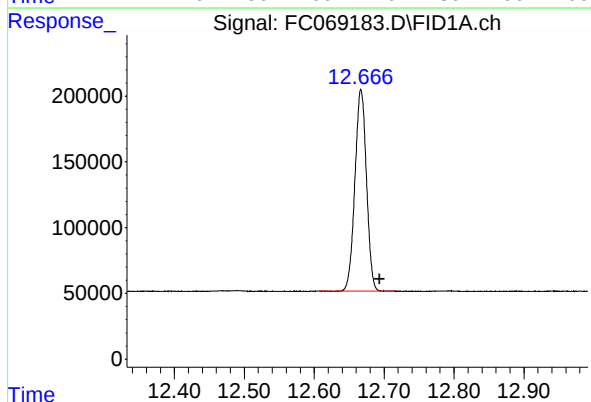
#9 ortho-Terphenyl (SURR)

R.T.: 11.677 min
Delta R.T.: -0.030 min
Response: 2304948
Conc: 18.69 ug/ml

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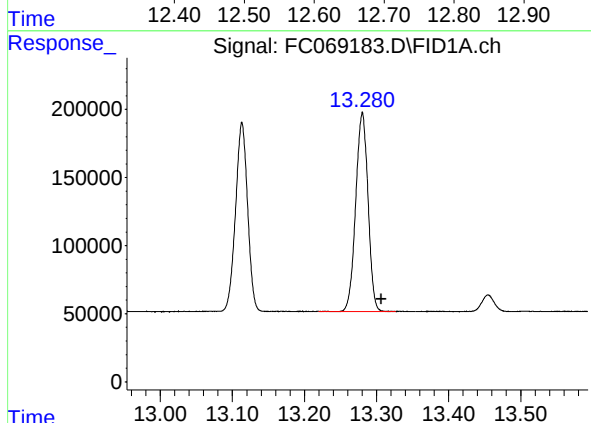
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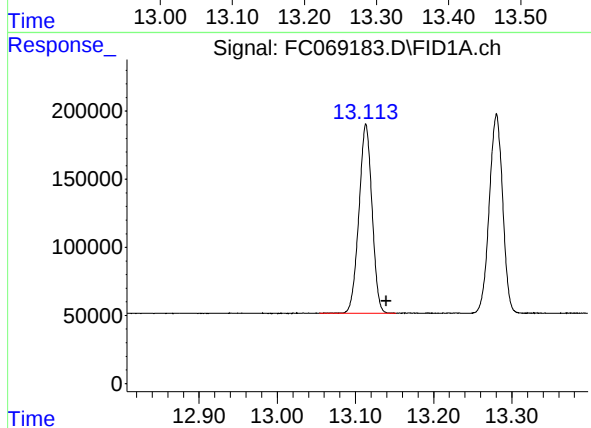
#10 n-Eicosane (C20)

R.T.: 12.667 min
Delta R.T.: -0.027 min
Response: 1764147
Conc: 18.11 ug/ml



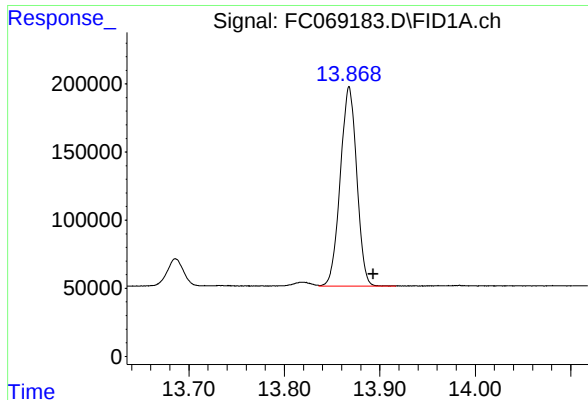
#11 n-Heneicosane (C21)

R.T.: 13.280 min
Delta R.T.: -0.027 min
Response: 1732702
Conc: 18.00 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.113 min
Delta R.T.: -0.026 min
Response: 1611186
Conc: 17.96 ug/ml



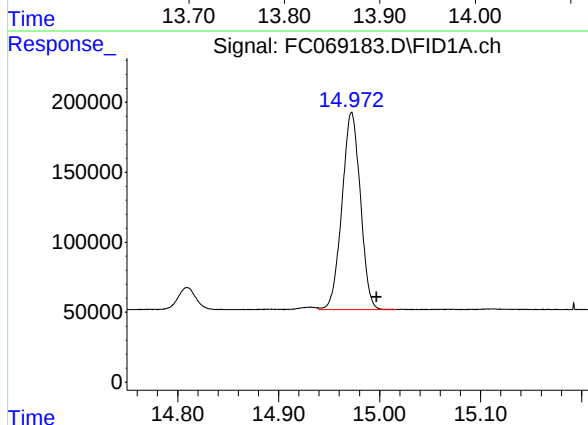
#13 n-Docosane (C22)

R.T.: 13.868 min
Delta R.T.: -0.025 min
Response: 1743237
Conc: 18.30 ug/ml

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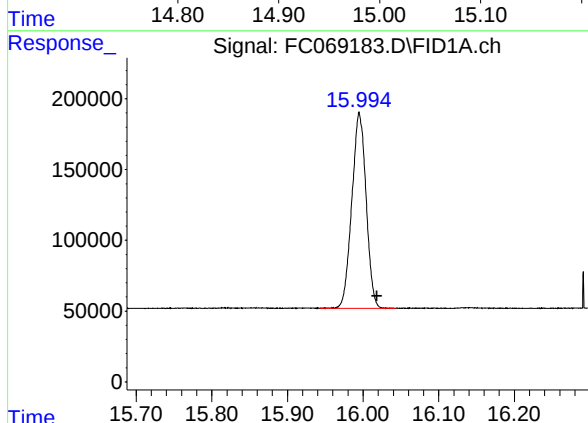
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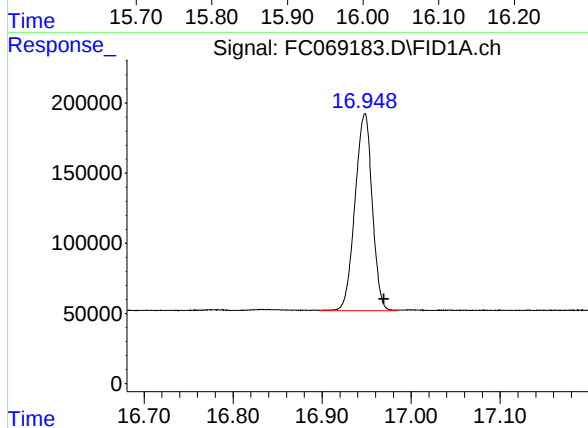
#14 n-Tetracosane (C24)

R.T.: 14.972 min
Delta R.T.: -0.025 min
Response: 1783539
Conc: 18.94 ug/ml m



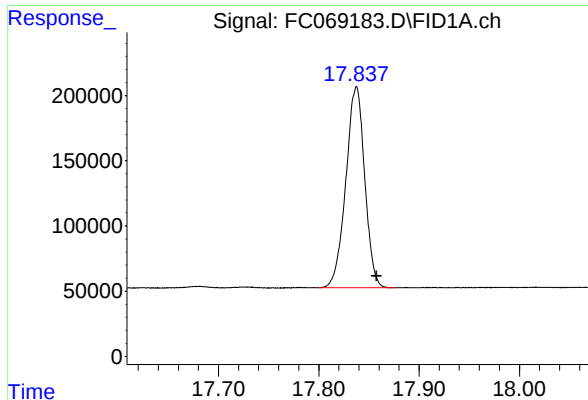
#15 n-Hexacosane (C26)

R.T.: 15.995 min
Delta R.T.: -0.023 min
Response: 1813990
Conc: 19.54 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.948 min
Delta R.T.: -0.022 min
Response: 1886813
Conc: 20.30 ug/ml m



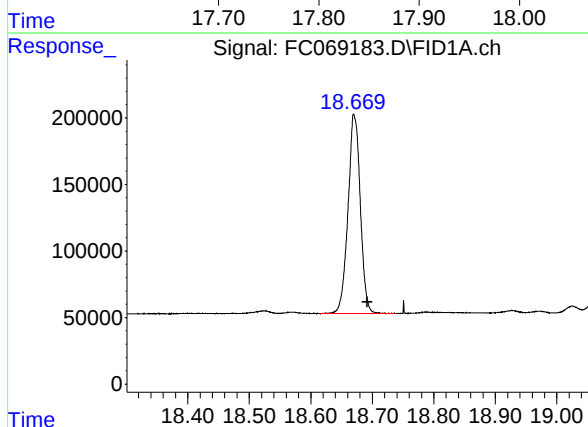
#17 n-Tricontane (C30)

R.T.: 17.837 min
Delta R.T.: -0.021 min
Response: 2016424
Conc: 20.84 ug/ml

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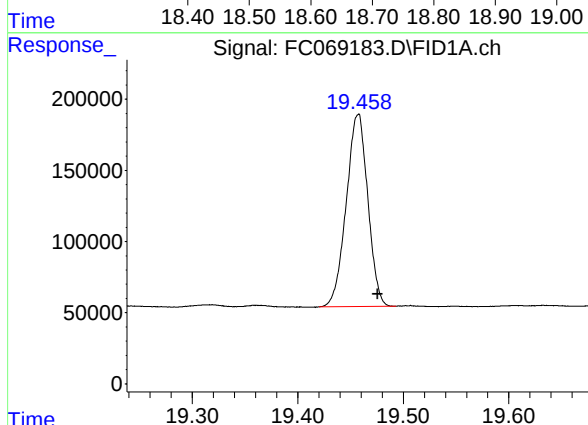
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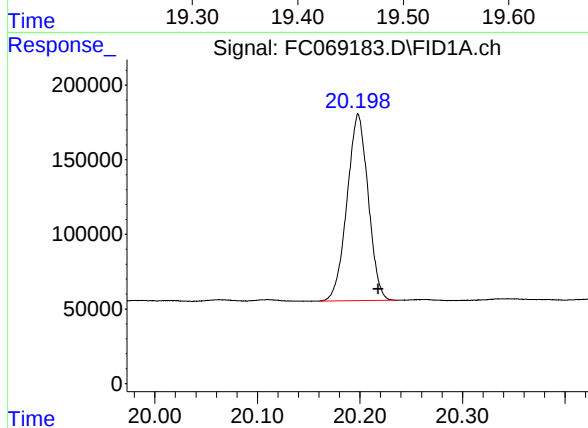
#18 n-Dotriacontane (C32)

R.T.: 18.671 min
Delta R.T.: -0.021 min
Response: 2087004
Conc: 21.06 ug/ml



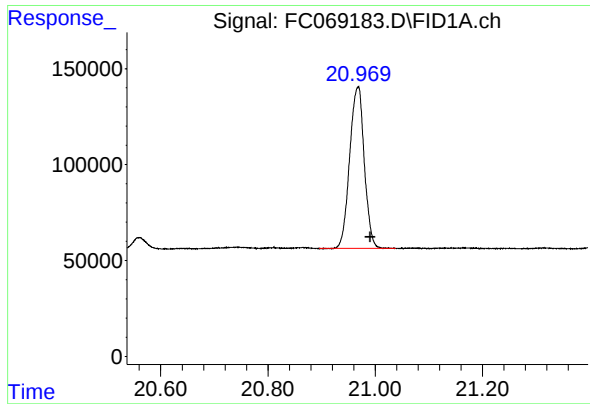
#19 n-Tetatriacontane (C34)

R.T.: 19.457 min
Delta R.T.: -0.019 min
Response: 1919854
Conc: 19.92 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.198 min
Delta R.T.: -0.020 min
Response: 1792235
Conc: 18.88 ug/ml



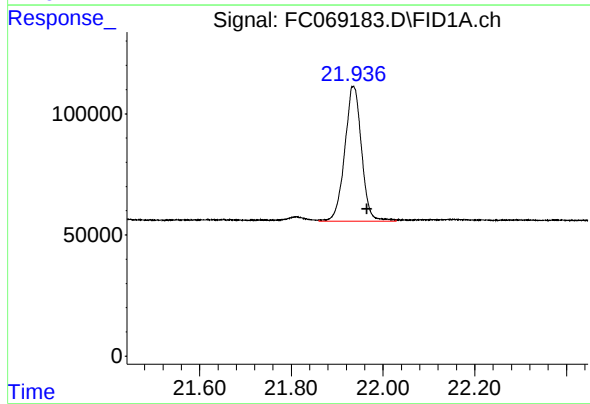
#21 n-Octatriacontane (C38)

R.T.: 20.968 min
Delta R.T.: -0.023 min
Response: 1595050
Conc: 17.48 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.936 min
Delta R.T.: -0.029 min
Response: 1415225
Conc: 16.04 ug/ml m