

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052025AL\
 Data File : FC068930.D
 Signal(s) : FID1A.ch
 Acq On : 20 May 2025 13:14
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/21/2025
 Supervised By :mohammad ahmed 05/22/2025

Integration File: autoint1.e
 Quant Time: May 21 05:22:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
 Quant Title : GC Extractables
 QLast Update : Wed May 07 08:52:03 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)	11.708	2000508	17.527 ug/ml
Spiked Amount 50.000		Recovery =	35.05%
12) S 1-chlorooctadecane (S...	13.141	1429020	17.812 ug/ml
Spiked Amount 50.000		Recovery =	35.62%
Target Compounds			
1) T n-Nonane (C9)	3.441	1771629	17.614 ug/ml
2) T n-Decane (C10)	4.515	1776697	17.831 ug/ml
3) T A~Naphthalene (C11.7)	6.112	1933080	17.532 ug/ml
4) T n-Dodecane (C12)	6.540	1758804	18.099 ug/ml
5) T A~2-methylnaphthalene...	7.171	1878586	17.502 ug/ml
6) T n-Tetradecane (C14)	8.338	1686130	18.243 ug/ml
7) T n-Hexadecane (C16)	9.940	1642984	18.348 ug/ml
8) T n-Octadecane (C18)	11.384	1593641	18.168 ug/ml
10) T n-Eicosane (C20)	12.695	1543663	18.114 ug/ml
11) T n-Heneicosane (C21)	13.308	1526572	18.099 ug/ml
13) T n-Docosane (C22)	13.895	1509107	18.039 ug/ml
14) T n-Tetracosane (C24)	14.998	1502896	18.062 ug/ml
15) T n-Hexacosane (C26)	16.019	1494380	18.036 ug/ml
16) T n-Octacosane (C28)	16.970	1511750	18.292 ug/ml
17) T n-Tricontane (C30)	17.858	1584946	18.732 ug/ml
18) T n-Dotriacontane (C32)	18.693	1617009	18.773 ug/ml
19) T n-Tetratriacontane (C34)	19.477	1560198	18.312 ug/mlm
20) T n-Hexatriacontane (C36)	20.217	1521902	17.707 ug/ml
21) T n-Octatriacontane (C38)	20.990	1460915	17.416 ug/ml
22) T n-Tetracontane (C40)	21.965	1418238	17.305 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 3 Sample Multiplier: 1

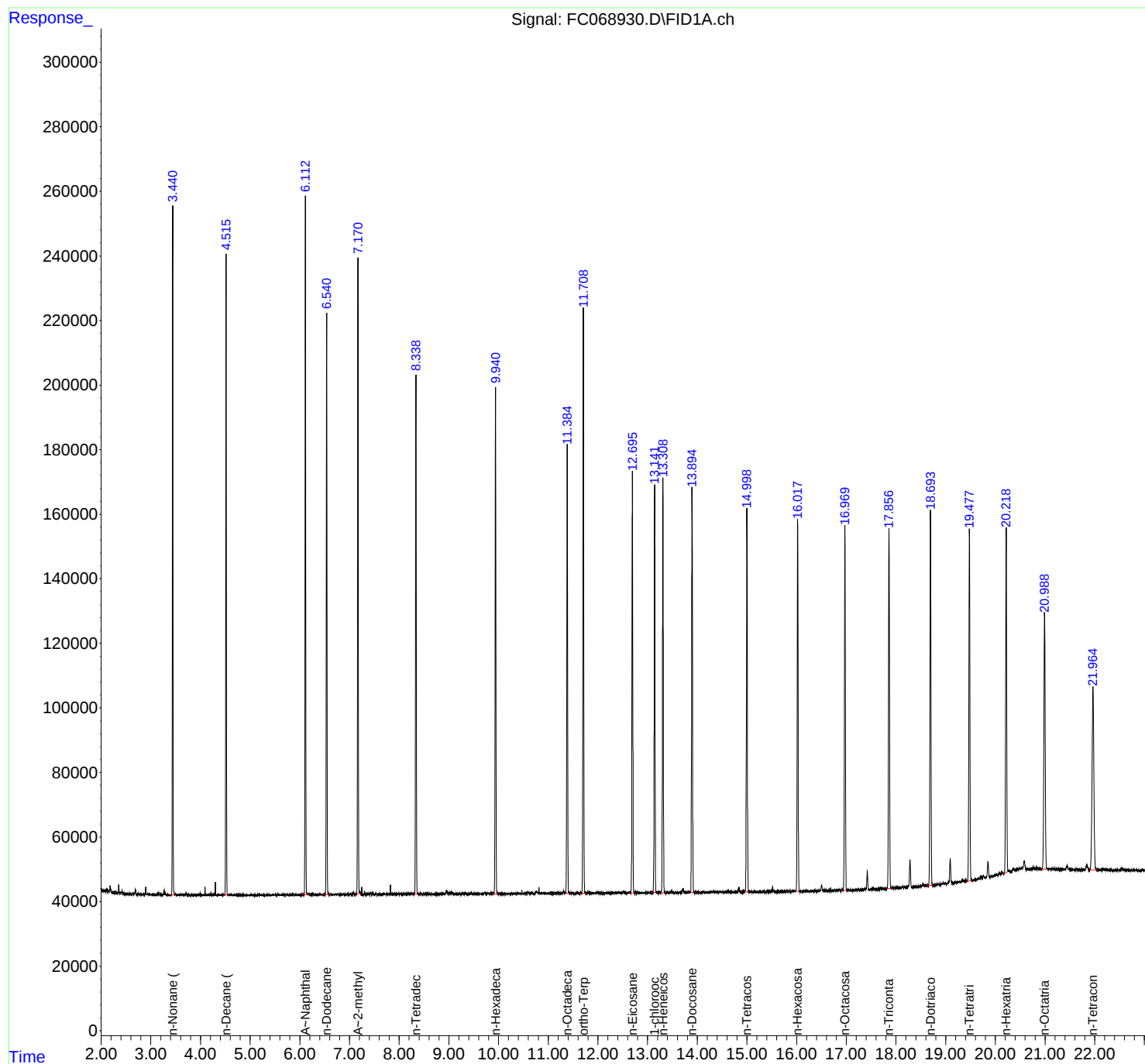
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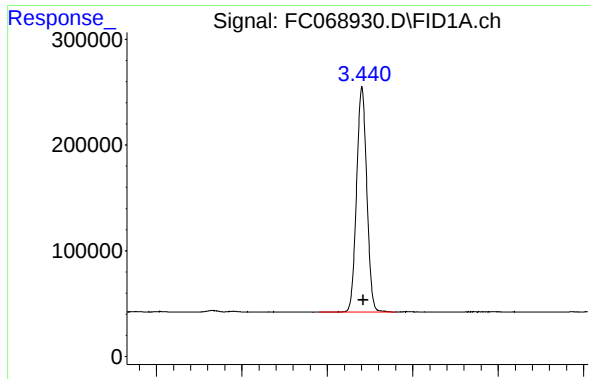
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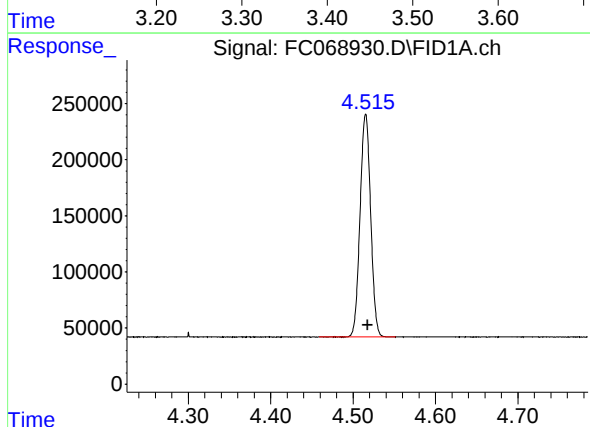
#1 n-Nonane (C9)

R.T.: 3.441 min
Delta R.T.: -0.001 min
Response: 1771629
Conc: 17.61 ug/ml

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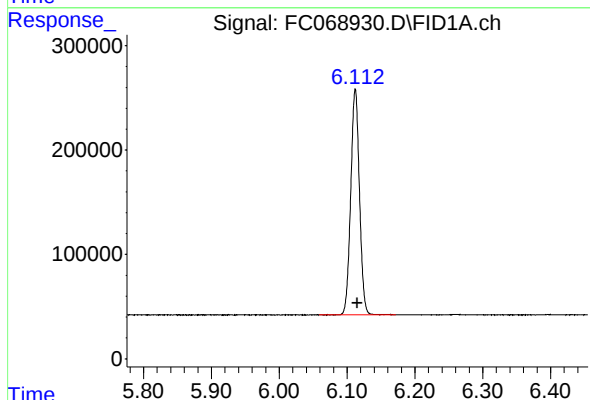
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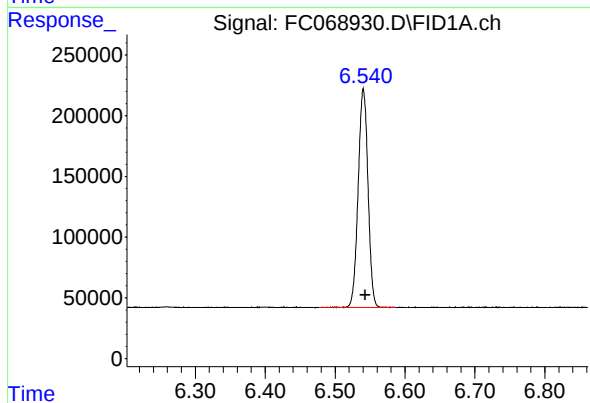
#2 n-Decane (C10)

R.T.: 4.515 min
Delta R.T.: -0.003 min
Response: 1776697
Conc: 17.83 ug/ml



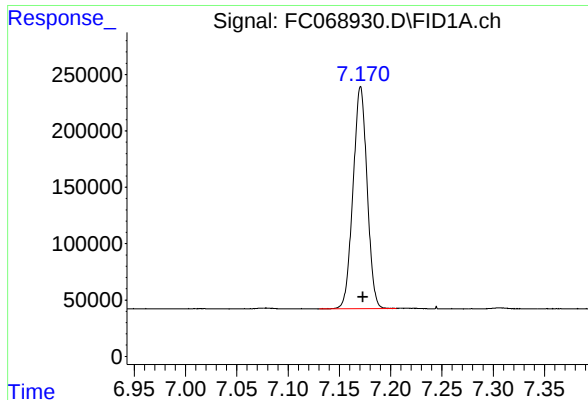
#3 A~Naphthalene (C11.7)

R.T.: 6.112 min
Delta R.T.: -0.003 min
Response: 1933080
Conc: 17.53 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.540 min
Delta R.T.: -0.002 min
Response: 1758804
Conc: 18.10 ug/ml



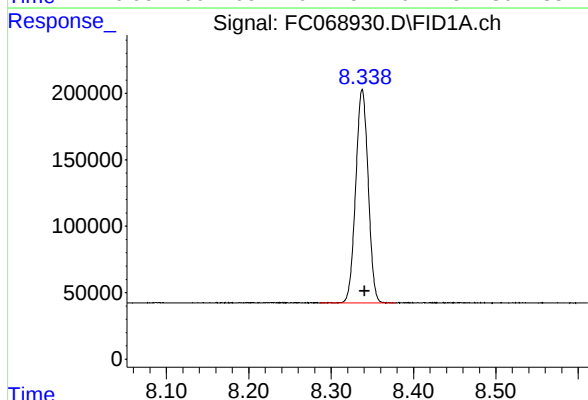
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.171 min
Delta R.T.: -0.002 min
Response: 1878586
Conc: 17.50 ug/ml

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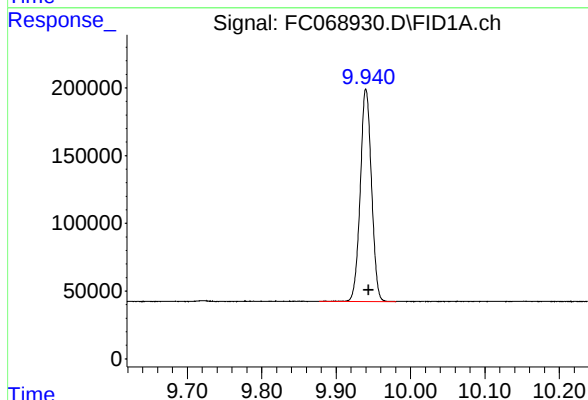
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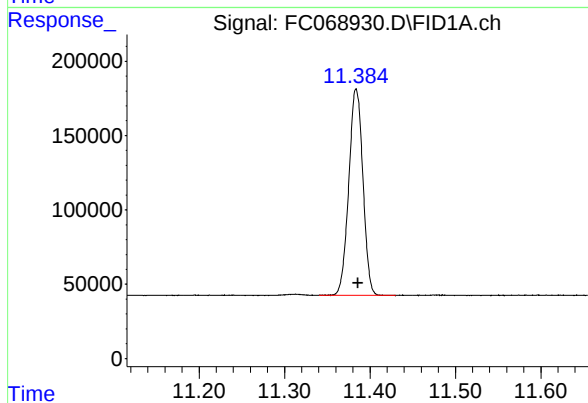
#6 n-Tetradecane (C14)

R.T.: 8.338 min
Delta R.T.: -0.003 min
Response: 1686130
Conc: 18.24 ug/ml



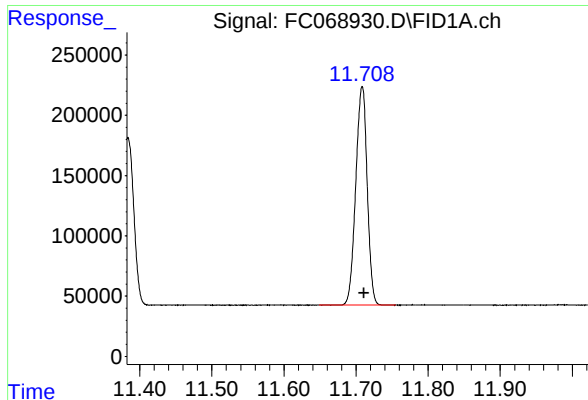
#7 n-Hexadecane (C16)

R.T.: 9.940 min
Delta R.T.: -0.003 min
Response: 1642984
Conc: 18.35 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.384 min
Delta R.T.: -0.002 min
Response: 1593641
Conc: 18.17 ug/ml



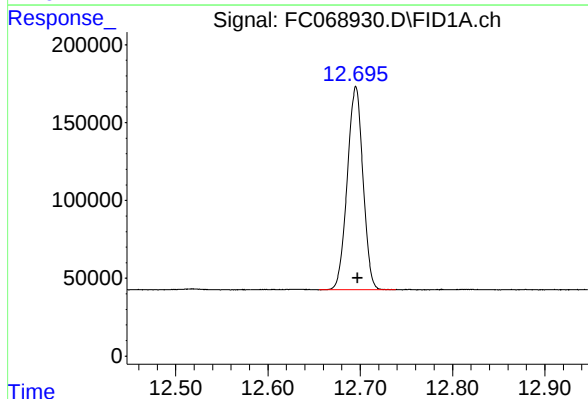
#9 ortho-Terphenyl (SURR)

R.T.: 11.708 min
Delta R.T.: -0.003 min
Response: 2000508
Conc: 17.53 ug/ml

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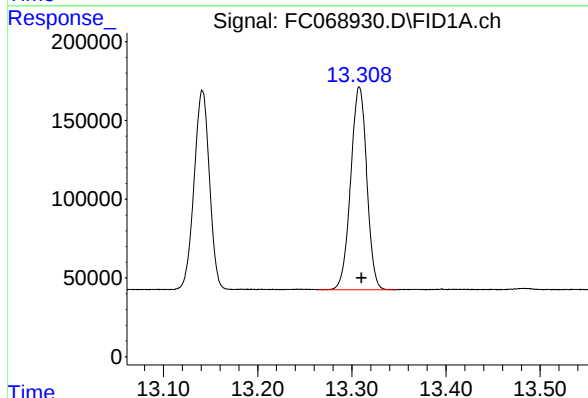
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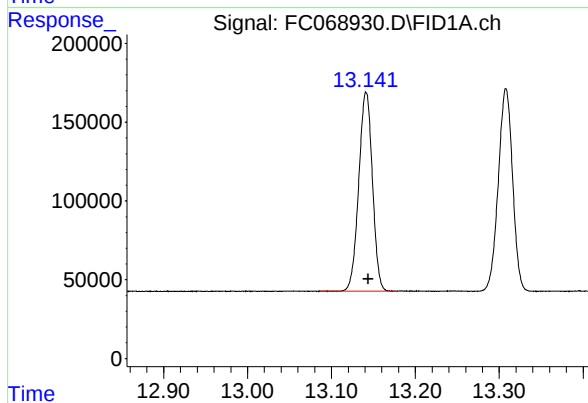
#10 n-Eicosane (C20)

R.T.: 12.695 min
Delta R.T.: -0.002 min
Response: 1543663
Conc: 18.11 ug/ml



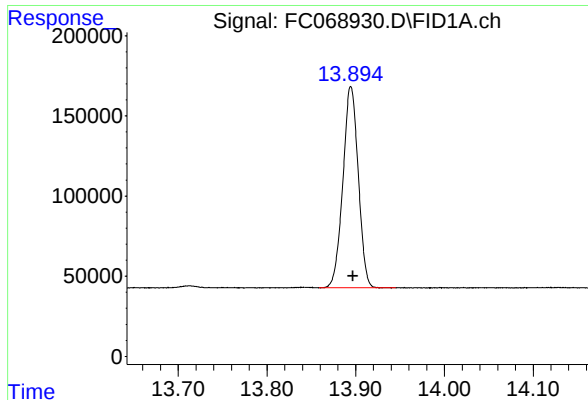
#11 n-Heneicosane (C21)

R.T.: 13.308 min
Delta R.T.: -0.002 min
Response: 1526572
Conc: 18.10 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.141 min
Delta R.T.: -0.003 min
Response: 1429020
Conc: 17.81 ug/ml



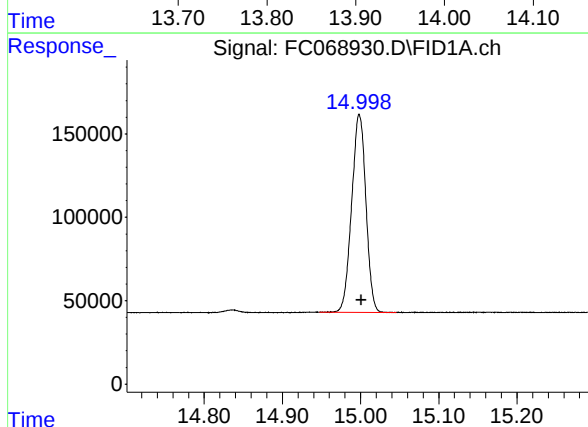
#13 n-Docosane (C22)

R.T.: 13.895 min
Delta R.T.: -0.002 min
Response: 1509107
Conc: 18.04 ug/ml

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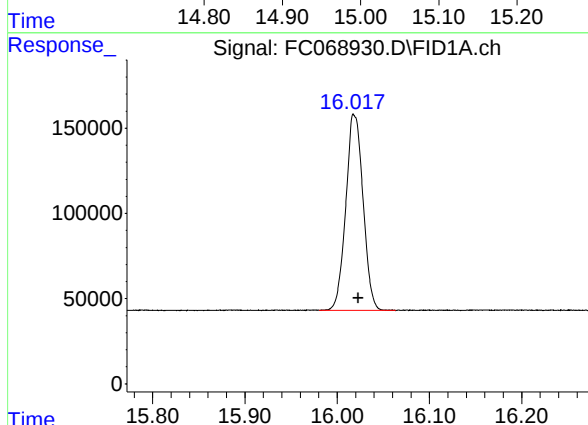
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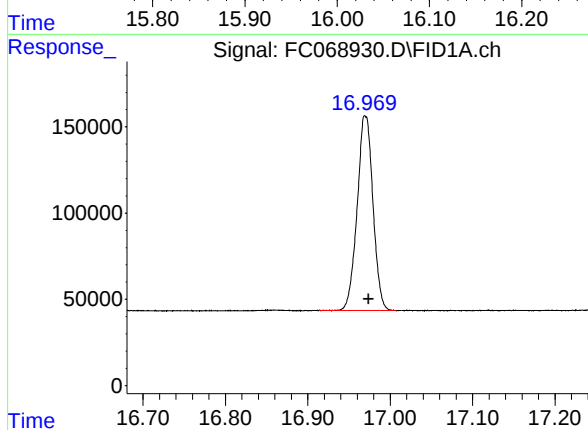
#14 n-Tetracosane (C24)

R.T.: 14.998 min
Delta R.T.: -0.002 min
Response: 1502896
Conc: 18.06 ug/ml



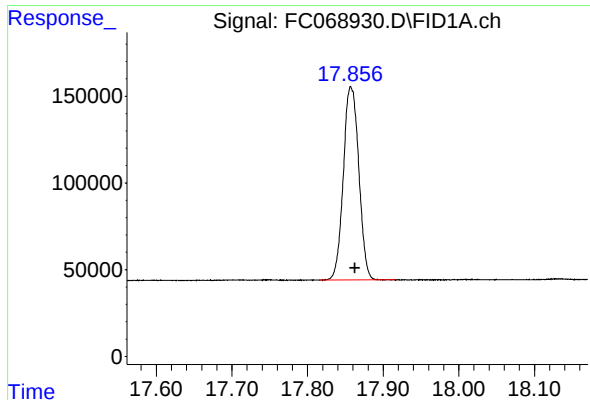
#15 n-Hexacosane (C26)

R.T.: 16.019 min
Delta R.T.: -0.004 min
Response: 1494380
Conc: 18.04 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.970 min
Delta R.T.: -0.004 min
Response: 1511750
Conc: 18.29 ug/ml



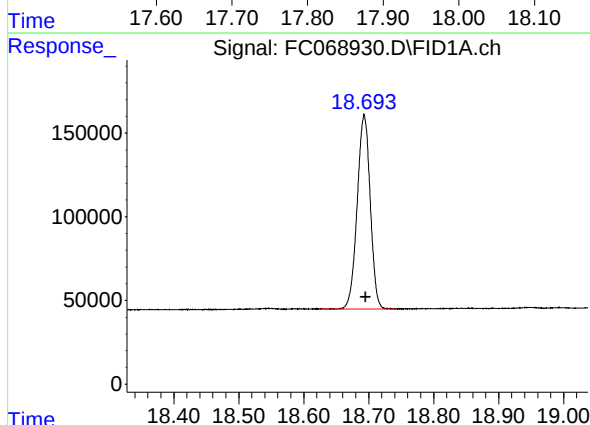
#17 n-Tricontane (C30)

R.T.: 17.858 min
Delta R.T.: -0.005 min
Response: 1584946
Conc: 18.73 ug/ml

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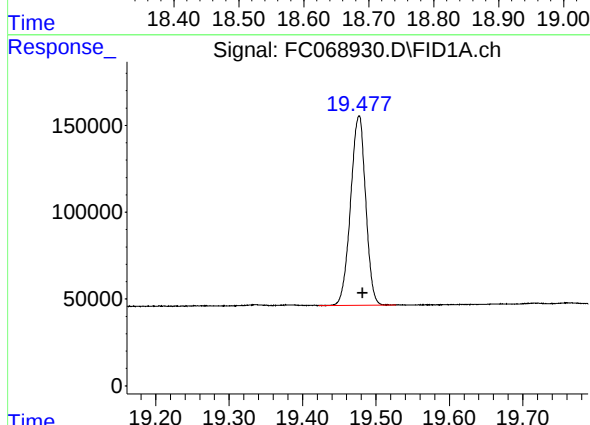
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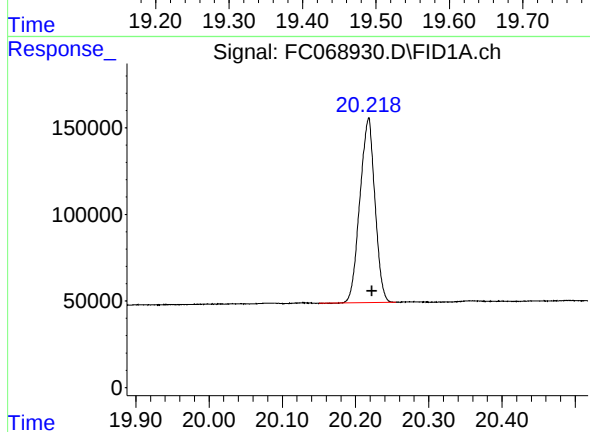
#18 n-Dotriacontane (C32)

R.T.: 18.693 min
Delta R.T.: -0.002 min
Response: 1617009
Conc: 18.77 ug/ml



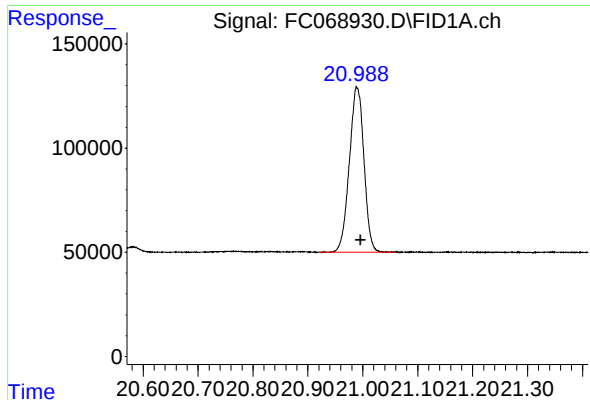
#19 n-Tetratriacontane (C34)

R.T.: 19.477 min
Delta R.T.: -0.005 min
Response: 1560198
Conc: 18.31 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.217 min
Delta R.T.: -0.005 min
Response: 1521902
Conc: 17.71 ug/ml



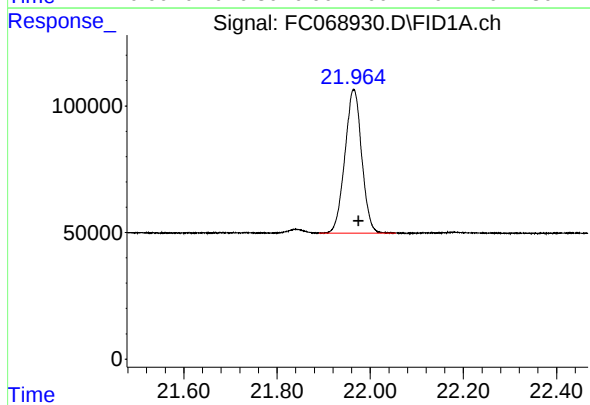
#21 n-Octatriacontane (C38)

R.T.: 20.990 min
Delta R.T.: -0.007 min
Response: 1460915
Conc: 17.42 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.965 min
Delta R.T.: -0.011 min
Response: 1418238
Conc: 17.30 ug/ml