

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052825AL\
 Data File : FC069029.D
 Signal(s) : FID1A.ch
 Acq On : 28 May 2025 13:31
 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 05/29/2025
 Supervised By :mohammad ahmed 05/30/2025

Integration File: autoint1.e
 Quant Time: May 29 05:43:46 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)	11.705	2453117	19.888 ug/ml
Spiked Amount 50.000		Recovery =	39.78%
12) S 1-chlorooctadecane (S...	13.137	1790261	19.955 ug/ml
Spiked Amount 50.000		Recovery =	39.91%
Target Compounds			
1) T n-Nonane (C9)	3.439	2108987	19.873 ug/ml
2) T n-Decane (C10)	4.514	2113840	19.959 ug/ml
3) T A~Naphthalene (C11.7)	6.110	2313194	20.004 ug/ml
4) T n-Dodecane (C12)	6.538	2090610	19.887 ug/ml
5) T A~2-methylnaphthalene...	7.168	2278459	20.098 ug/ml
6) T n-Tetradecane (C14)	8.335	2032230	19.826 ug/ml
7) T n-Hexadecane (C16)	9.938	2006913	19.779 ug/ml
8) T n-Octadecane (C18)	11.382	1979381	19.805 ug/ml
10) T n-Eicosane (C20)	12.691	1928726	19.803 ug/ml
11) T n-Heneicosane (C21)	13.304	1901259	19.753 ug/ml
13) T n-Docosane (C22)	13.891	1914453	20.095 ug/ml
14) T n-Tetracosane (C24)	14.994	1948632	20.696 ug/mlm
15) T n-Hexacosane (C26)	16.017	1968810	21.206 ug/ml
16) T n-Octacosane (C28)	16.968	2010447	21.629 ug/ml
17) T n-Tricontane (C30)	17.858	2079363	21.490 ug/ml
18) T n-Dotriacontane (C32)	18.690	2118403	21.377 ug/ml
19) T n-Tetratriacontane (C34)	19.475	2006194	20.816 ug/ml
20) T n-Hexatriacontane (C36)	20.216	1942564	20.463 ug/ml
21) T n-Octatriacontane (C38)	20.987	1863995	20.431 ug/ml
22) T n-Tetracontane (C40)	21.962	1823583	20.667 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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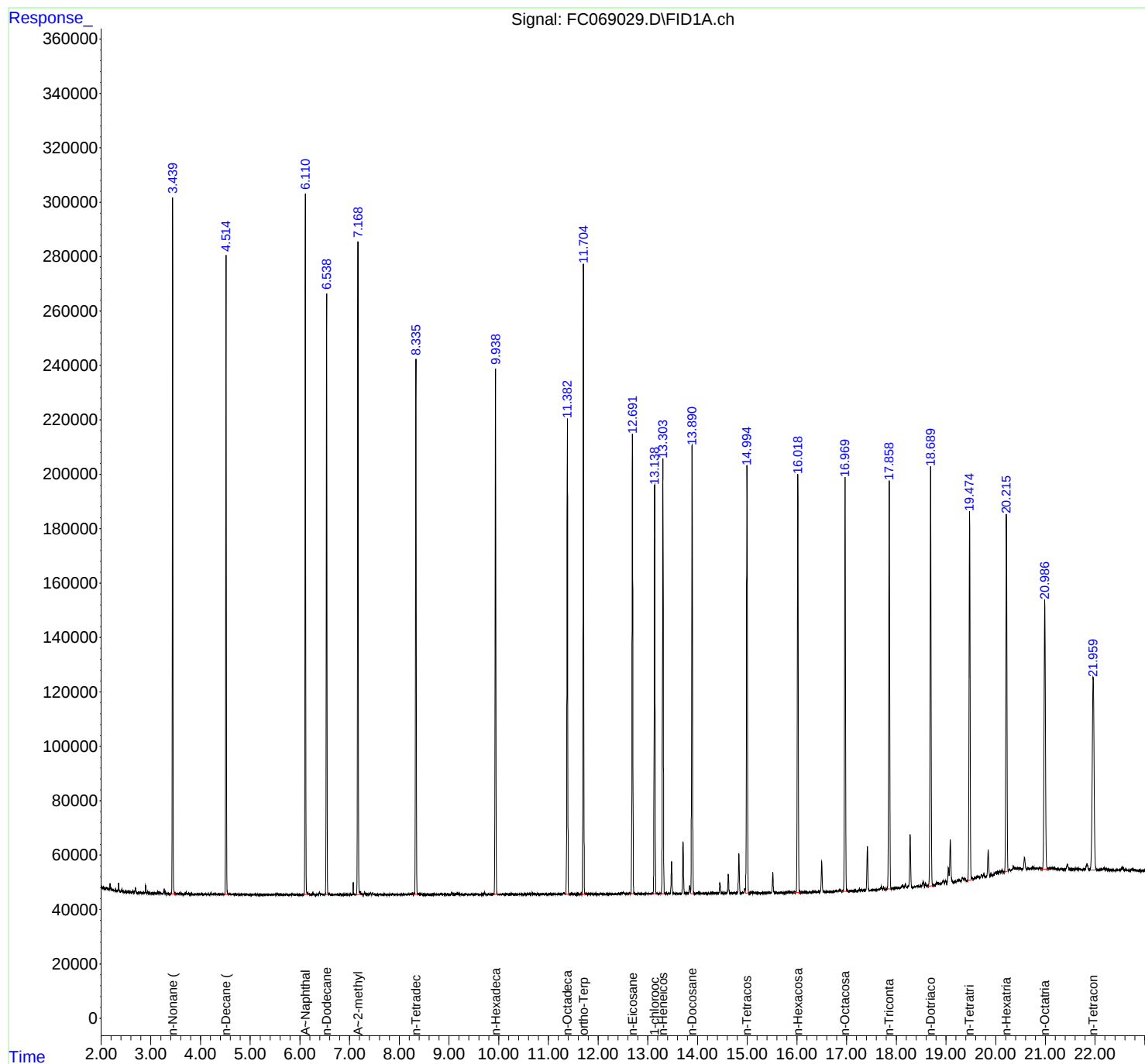
Instrument :
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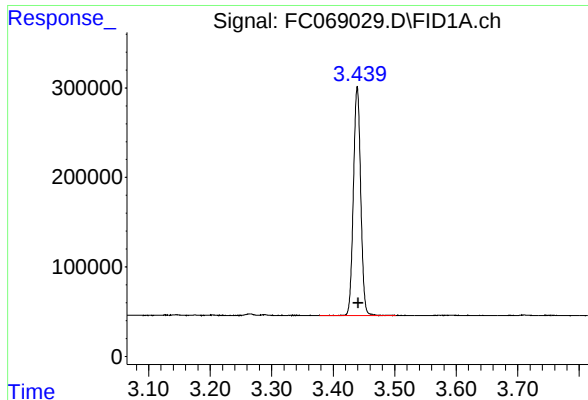
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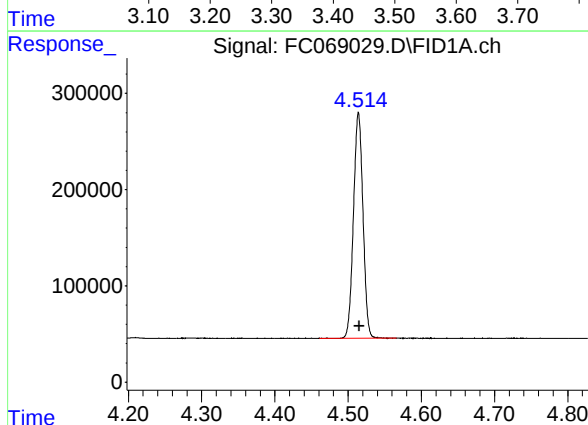
#1 n-Nonane (C9)

R.T.: 3.439 min
Delta R.T.: -0.002 min
Response: 2108987
Conc: 19.87 ug/ml

Instrument :
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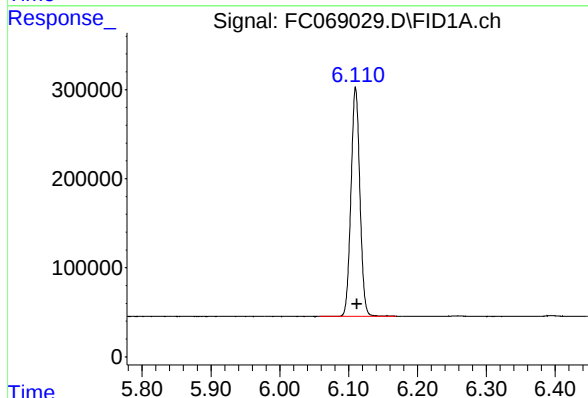
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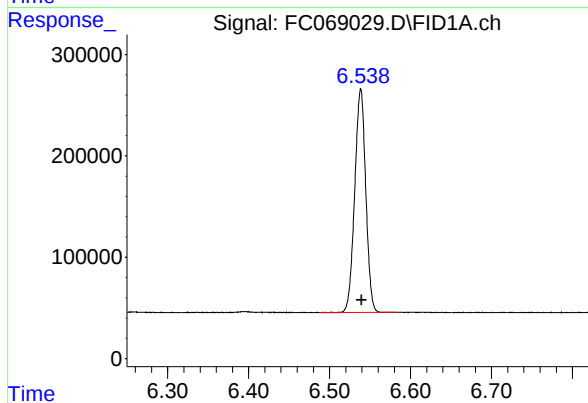
#2 n-Decane (C10)

R.T.: 4.514 min
Delta R.T.: -0.001 min
Response: 2113840
Conc: 19.96 ug/ml



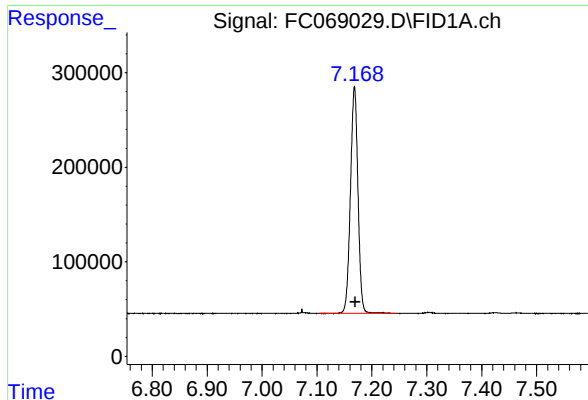
#3 A~Naphthalene (C11.7)

R.T.: 6.110 min
Delta R.T.: -0.002 min
Response: 2313194
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.538 min
Delta R.T.: -0.001 min
Response: 2090610
Conc: 19.89 ug/ml



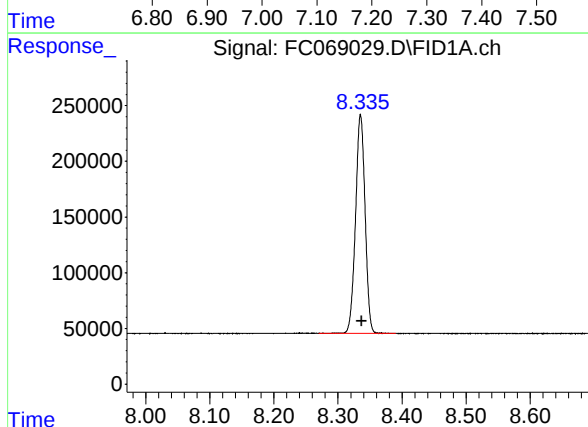
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.168 min
Delta R.T.: -0.002 min
Response: 2278459
Conc: 20.10 ug/ml

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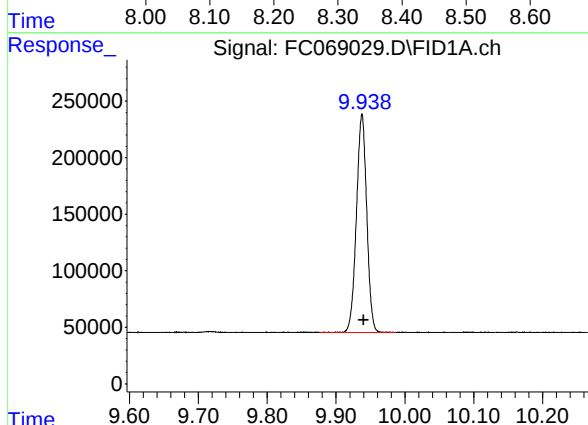
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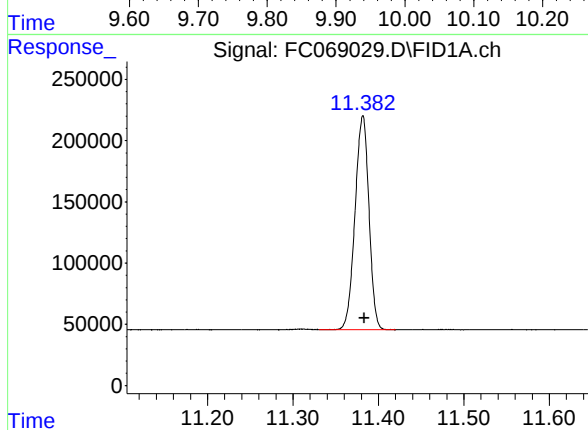
#6 n-Tetradecane (C14)

R.T.: 8.335 min
Delta R.T.: -0.002 min
Response: 2032230
Conc: 19.83 ug/ml



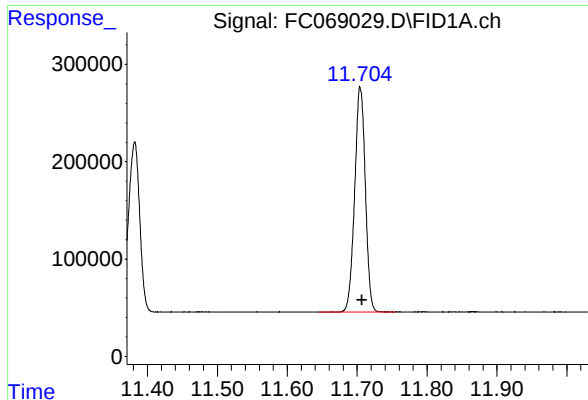
#7 n-Hexadecane (C16)

R.T.: 9.938 min
Delta R.T.: -0.002 min
Response: 2006913
Conc: 19.78 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.382 min
Delta R.T.: -0.002 min
Response: 1979381
Conc: 19.80 ug/ml



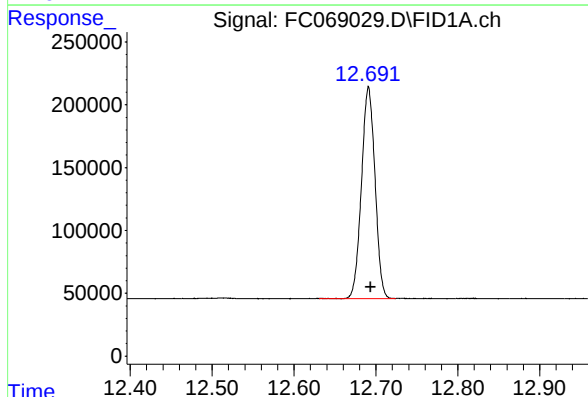
#9 ortho-Terphenyl (SURR)

R.T.: 11.705 min
Delta R.T.: -0.002 min
Response: 2453117
Conc: 19.89 ug/ml

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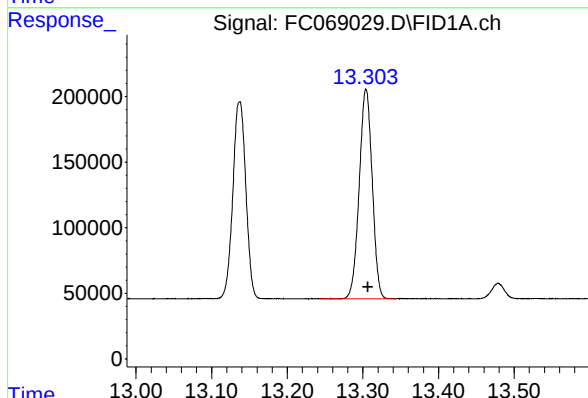
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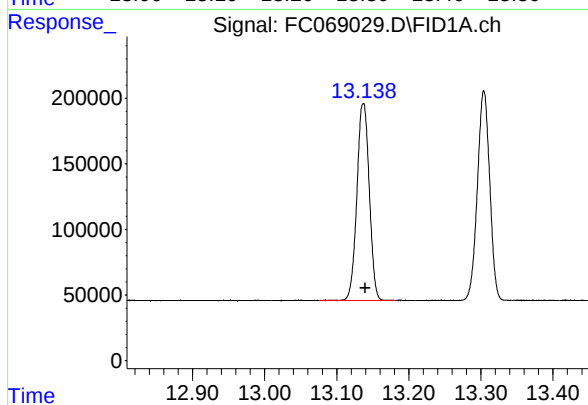
#10 n-Eicosane (C20)

R.T.: 12.691 min
Delta R.T.: -0.003 min
Response: 1928726
Conc: 19.80 ug/ml



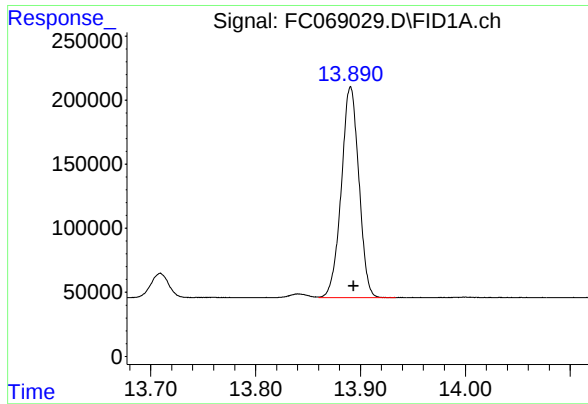
#11 n-Heneicosane (C21)

R.T.: 13.304 min
Delta R.T.: -0.003 min
Response: 1901259
Conc: 19.75 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.137 min
Delta R.T.: -0.002 min
Response: 1790261
Conc: 19.96 ug/ml



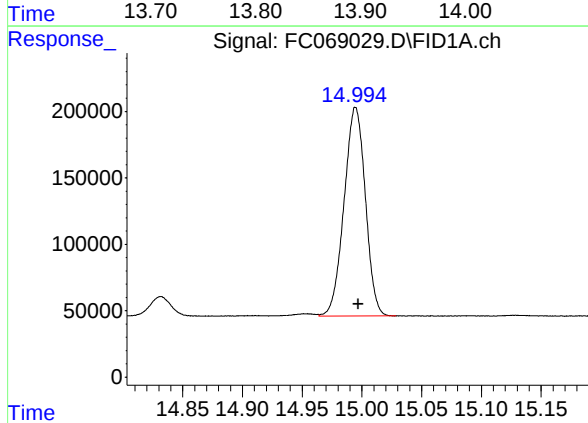
#13 n-Docosane (C22)

R.T.: 13.891 min
Delta R.T.: -0.003 min
Response: 1914453
Conc: 20.10 ug/ml

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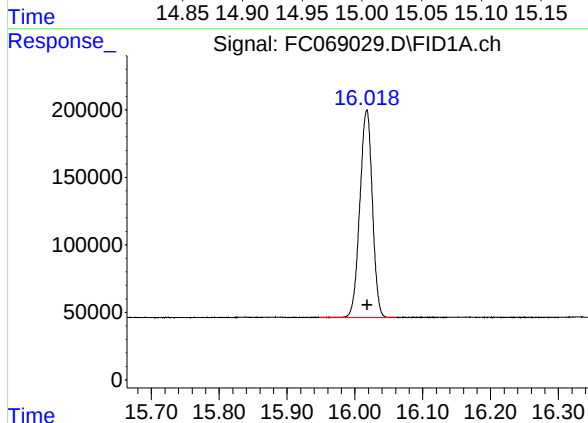
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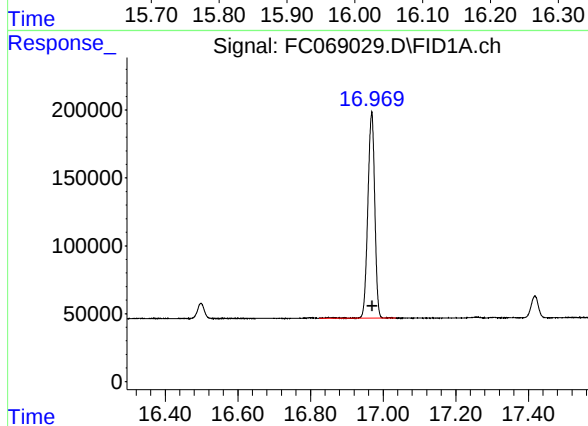
#14 n-Tetracosane (C24)

R.T.: 14.994 min
Delta R.T.: -0.003 min
Response: 1948632
Conc: 20.70 ug/ml



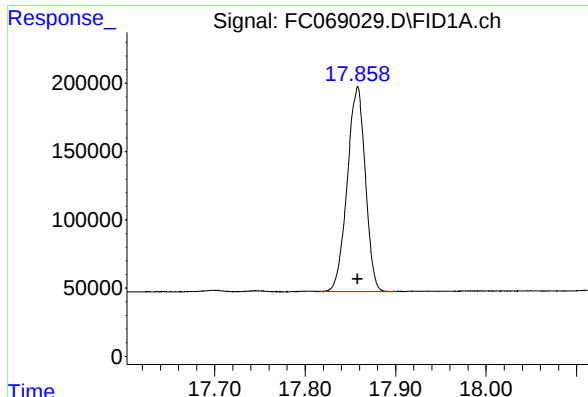
#15 n-Hexacosane (C26)

R.T.: 16.017 min
Delta R.T.: -0.001 min
Response: 1968810
Conc: 21.21 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.968 min
Delta R.T.: -0.001 min
Response: 2010447
Conc: 21.63 ug/ml



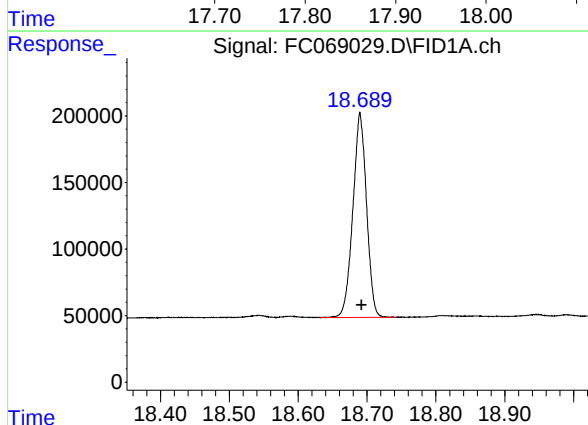
#17 n-Tricontane (C30)

R.T.: 17.858 min
Delta R.T.: 0.000 min
Response: 2079363
Conc: 21.49 ug/ml

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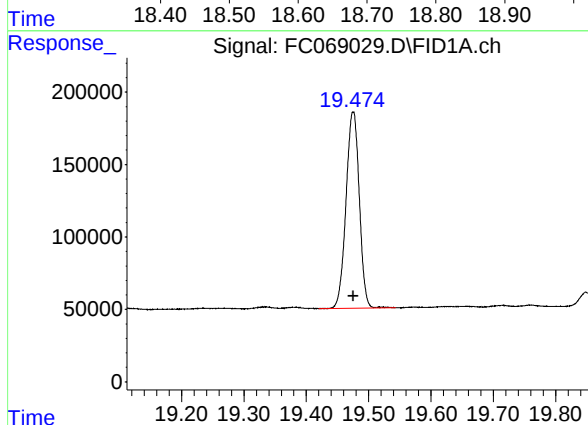
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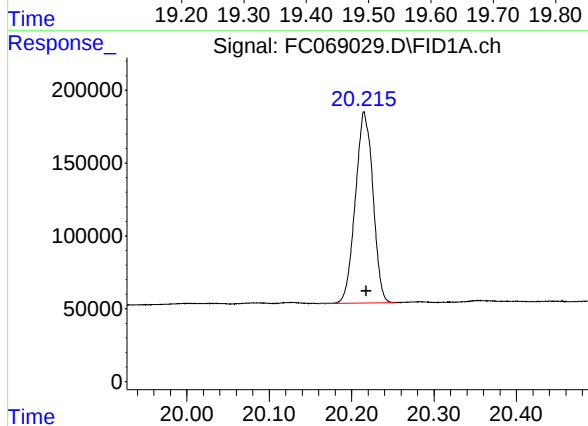
#18 n-Dotriacontane (C32)

R.T.: 18.690 min
Delta R.T.: -0.002 min
Response: 2118403
Conc: 21.38 ug/ml



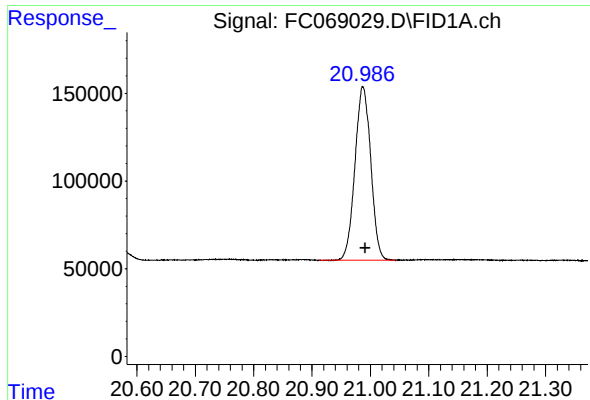
#19 n-Tetratriacontane (C34)

R.T.: 19.475 min
Delta R.T.: 0.000 min
Response: 2006194
Conc: 20.82 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.216 min
Delta R.T.: -0.002 min
Response: 1942564
Conc: 20.46 ug/ml



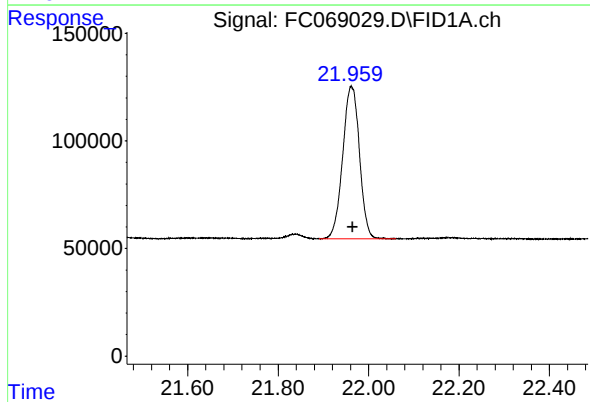
#21 n-Octatriacontane (C38)

R.T.: 20.987 min
Delta R.T.: -0.004 min
Response: 1863995
Conc: 20.43 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.962 min
Delta R.T.: -0.003 min
Response: 1823583
Conc: 20.67 ug/ml