

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC042125AL\
 Data File : FC068651.D
 Signal(s) : FID1A.ch
 Acq On : 21 Apr 2025 11:20
 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 04/22/2025
 Supervised By :mohammad ahmed 04/23/2025

Integration File: autoint1.e
 Quant Time: Apr 22 01:23:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 17:31:27 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)	11.717	2326806	18.273 ug/ml
Spiked Amount 50.000		Recovery =	36.55%
12) S 1-chlorooctadecane (S...	13.150	1698273	18.282 ug/ml
Spiked Amount 50.000		Recovery =	36.56%
Target Compounds			
1) T n-Nonane (C9)	3.446	2028206	19.257 ug/ml
2) T n-Decane (C10)	4.522	2086610	19.805 ug/ml
3) T A~Naphthalene (C11.7)	6.120	2286053	19.629 ug/ml
4) T n-Dodecane (C12)	6.547	2071631	19.699 ug/ml
5) T A~2-methylnaphthalene...	7.178	2184488	18.914 ug/ml
6) T n-Tetradecane (C14)	8.345	2019668	19.646 ug/ml
7) T n-Hexadecane (C16)	9.948	2050035	20.130 ug/ml
8) T n-Octadecane (C18)	11.392	2047726	20.349 ug/ml
10) T n-Eicosane (C20)	12.704	1956454	19.891 ug/ml
11) T n-Heneicosane (C21)	13.316	1922179	19.723 ug/ml
13) T n-Docosane (C22)	13.904	1918374	19.860 ug/ml
14) T n-Tetracosane (C24)	15.008	1918581	20.156 ug/ml
15) T n-Hexacosane (C26)	16.030	1903810	20.382 ug/ml
16) T n-Octacosane (C28)	16.983	1927060	21.048 ug/ml
17) T n-Tricontane (C30)	17.872	2061724	22.427 ug/ml
18) T n-Dotriacontane (C32)	18.706	2055541	22.409 ug/ml
19) T n-Tetratriacontane (C34)	19.491	1875385	20.992 ug/ml
20) T n-Hexatriacontane (C36)	20.232	1637891	18.284 ug/ml
21) T n-Octatriacontane (C38)	21.011	1484372	16.789 ug/ml
22) T n-Tetracontane (C40)	21.992	1451939	16.442 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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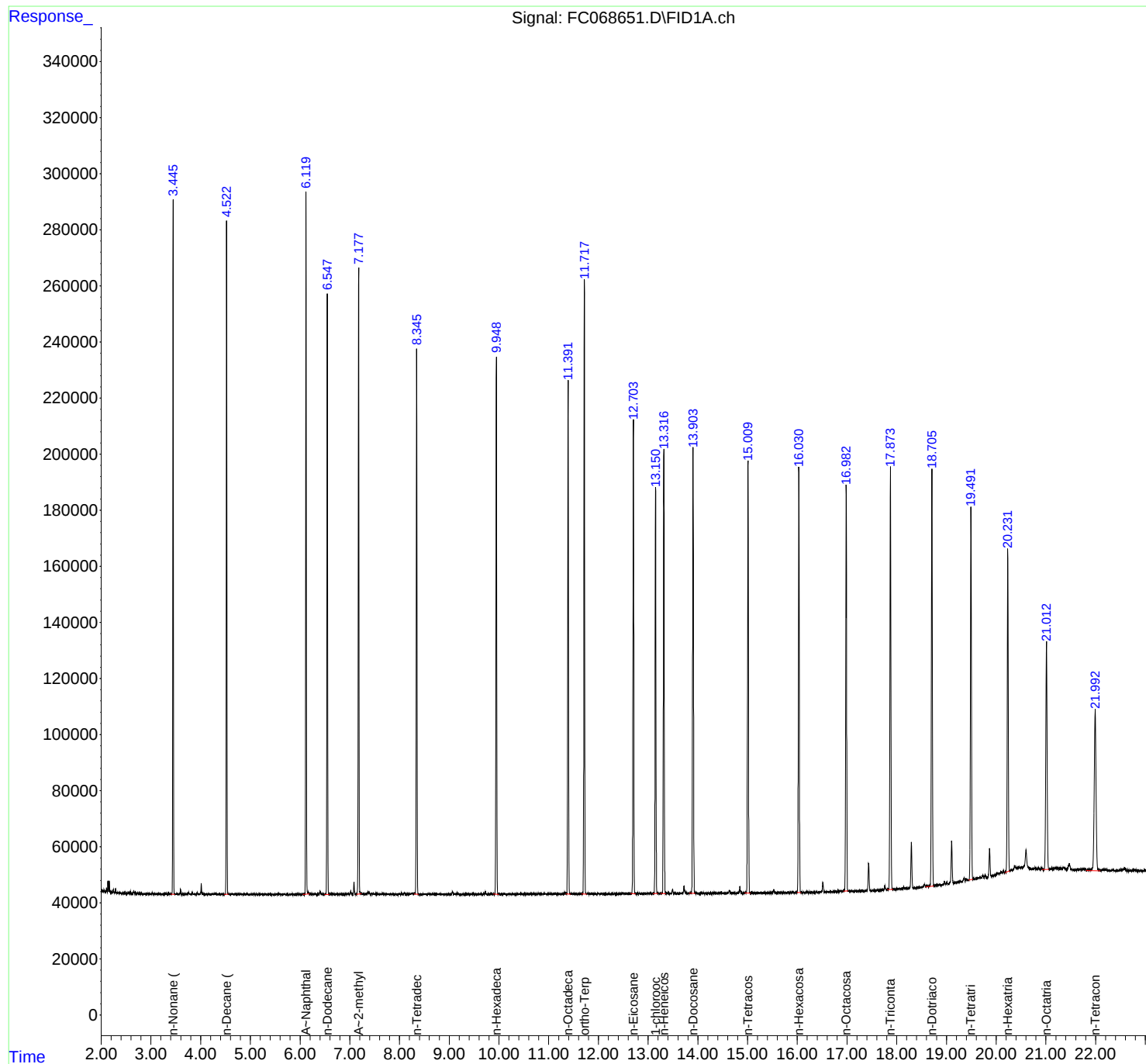
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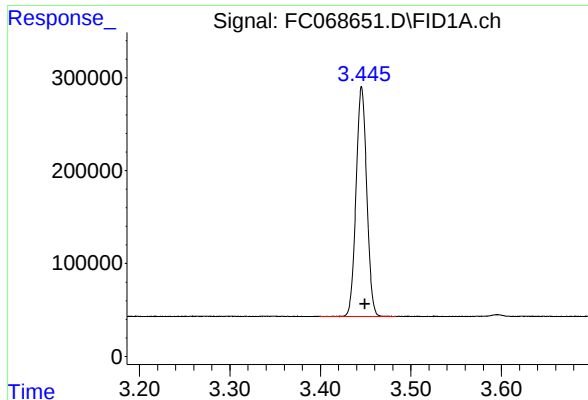
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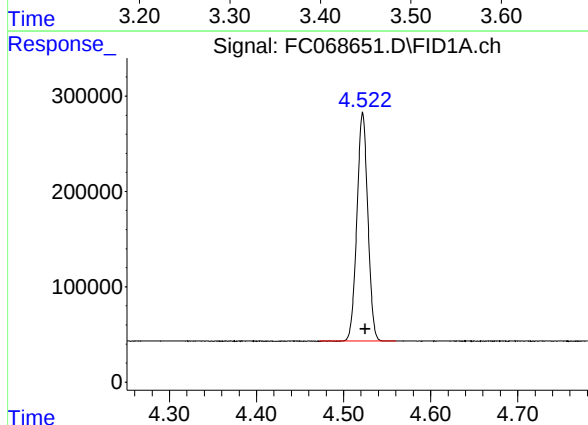
#1 n-Nonane (C9)

R.T.: 3.446 min
Delta R.T.: -0.003 min
Response: 2028206
Conc: 19.26 ug/ml

Instrument :
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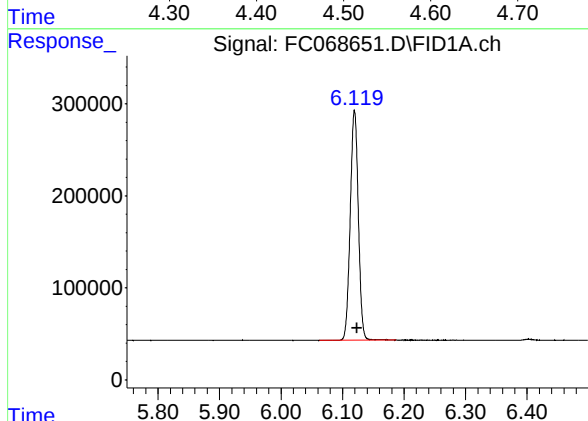
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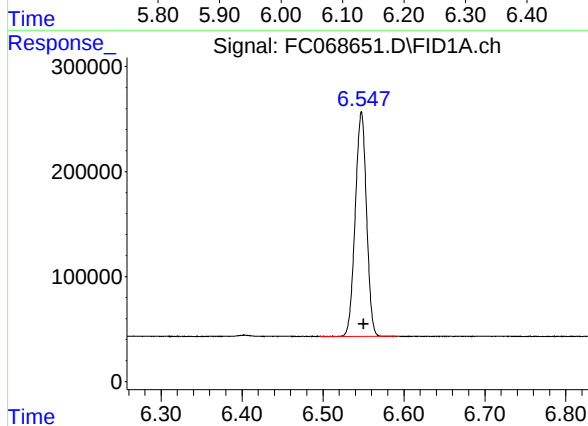
#2 n-Decane (C10)

R.T.: 4.522 min
Delta R.T.: -0.003 min
Response: 2086610
Conc: 19.80 ug/ml



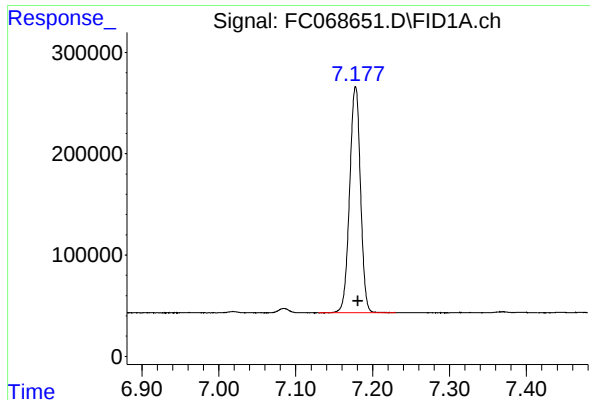
#3 A~Naphthalene (C11.7)

R.T.: 6.120 min
Delta R.T.: -0.004 min
Response: 2286053
Conc: 19.63 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.547 min
Delta R.T.: -0.003 min
Response: 2071631
Conc: 19.70 ug/ml



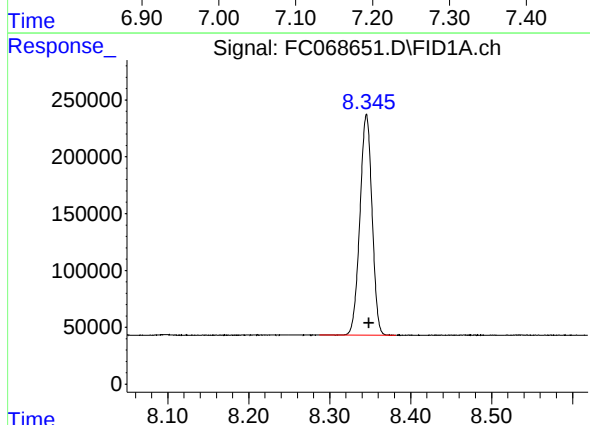
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.178 min
Delta R.T.: -0.003 min
Response: 2184488
Conc: 18.91 ug/ml

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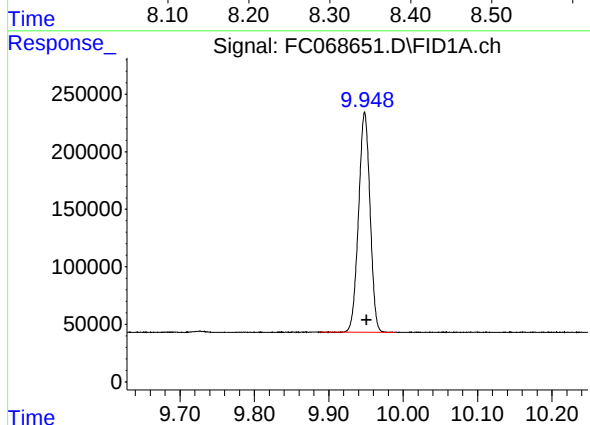
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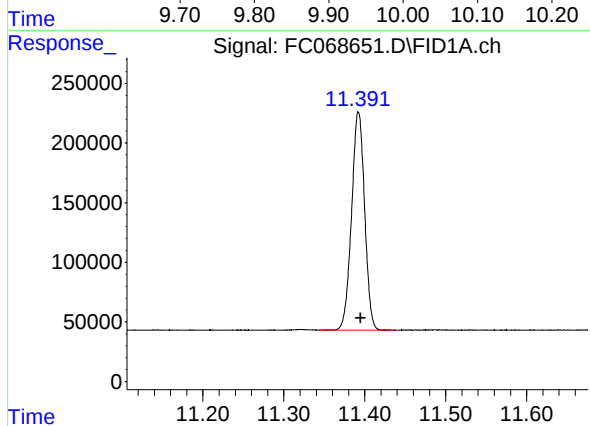
#6 n-Tetradecane (C14)

R.T.: 8.345 min
Delta R.T.: -0.003 min
Response: 2019668
Conc: 19.65 ug/ml



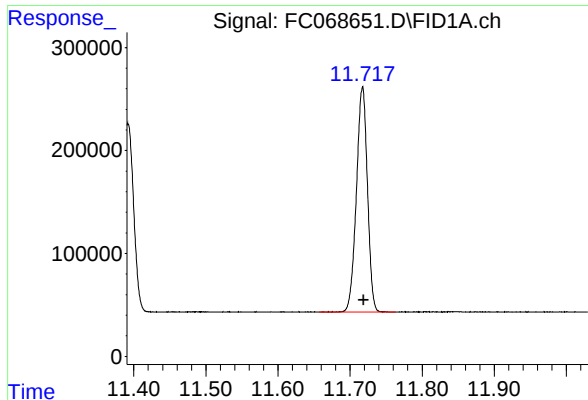
#7 n-Hexadecane (C16)

R.T.: 9.948 min
Delta R.T.: -0.003 min
Response: 2050035
Conc: 20.13 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.392 min
Delta R.T.: -0.003 min
Response: 2047726
Conc: 20.35 ug/ml



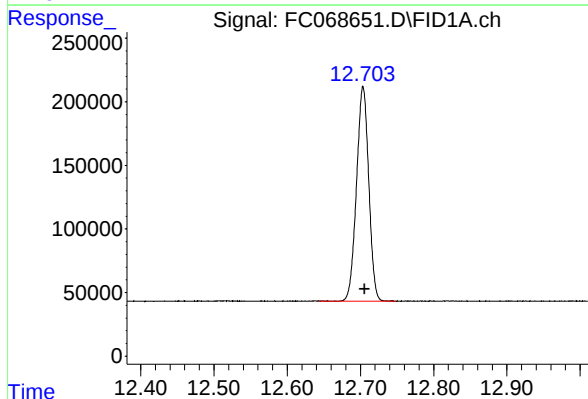
#9 ortho-Terphenyl (SURR)

R.T.: 11.717 min
Delta R.T.: -0.002 min
Response: 2326806
Conc: 18.27 ug/ml

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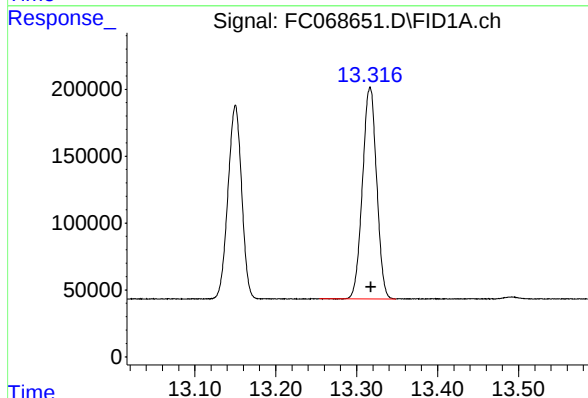
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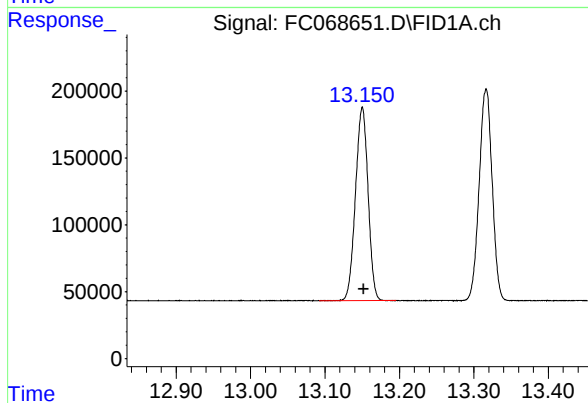
#10 n-Eicosane (C20)

R.T.: 12.704 min
Delta R.T.: -0.002 min
Response: 1956454
Conc: 19.89 ug/ml



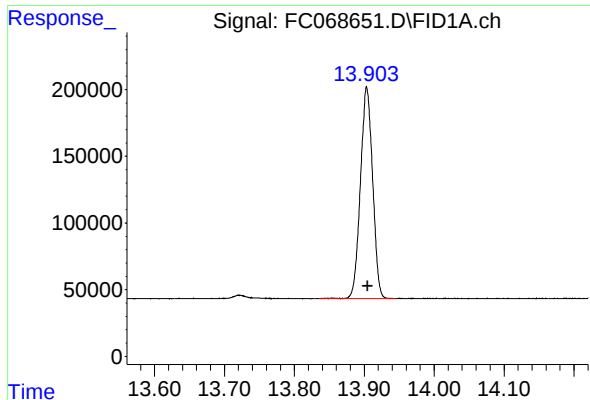
#11 n-Heneicosane (C21)

R.T.: 13.316 min
Delta R.T.: -0.001 min
Response: 1922179
Conc: 19.72 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.150 min
Delta R.T.: -0.002 min
Response: 1698273
Conc: 18.28 ug/ml



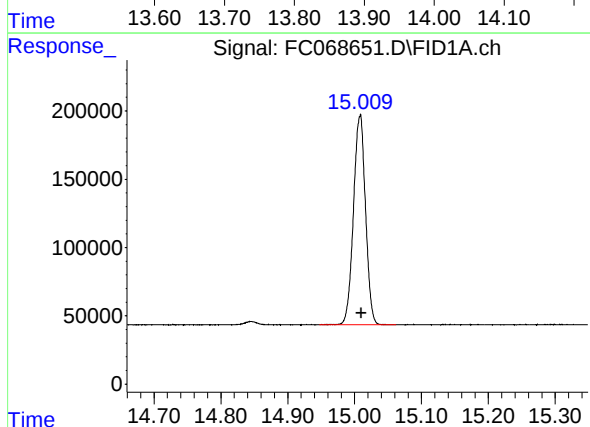
#13 n-Docosane (C22)

R.T.: 13.904 min
Delta R.T.: -0.001 min
Response: 1918374
Conc: 19.86 ug/ml

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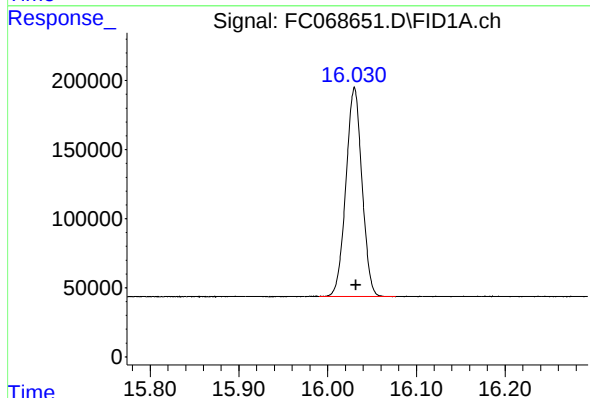
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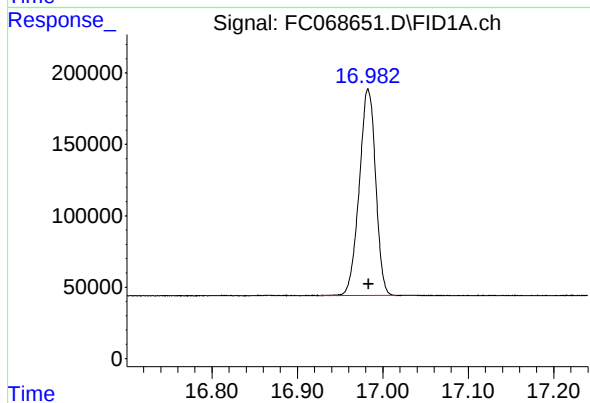
#14 n-Tetracosane (C24)

R.T.: 15.008 min
Delta R.T.: -0.002 min
Response: 1918581
Conc: 20.16 ug/ml



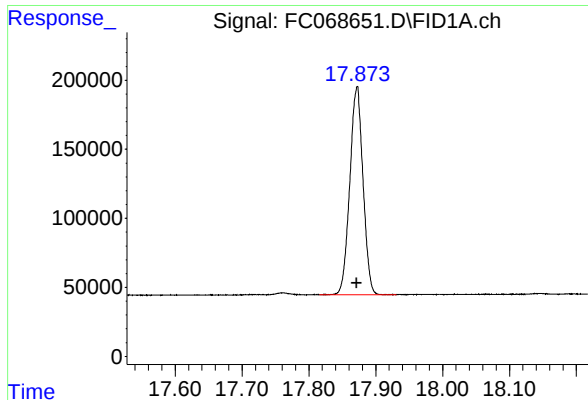
#15 n-Hexacosane (C26)

R.T.: 16.030 min
Delta R.T.: -0.002 min
Response: 1903810
Conc: 20.38 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.983 min
Delta R.T.: 0.000 min
Response: 1927060
Conc: 21.05 ug/ml



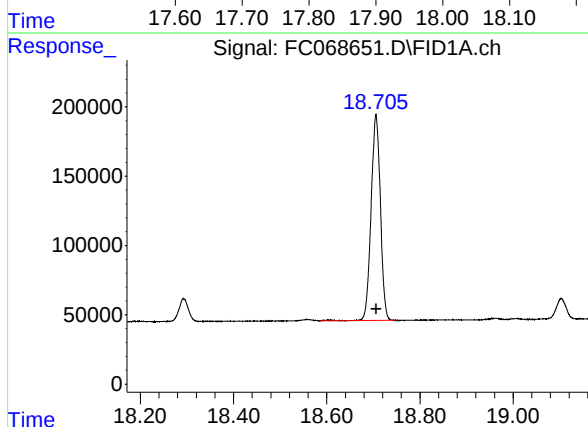
#17 n-Tricontane (C30)

R.T.: 17.872 min
Delta R.T.: 0.000 min
Response: 2061724
Conc: 22.43 ug/ml

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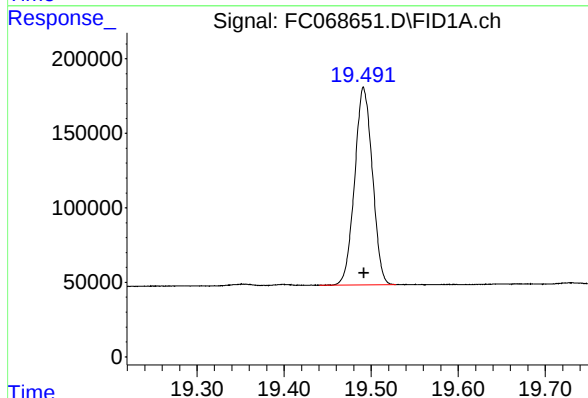
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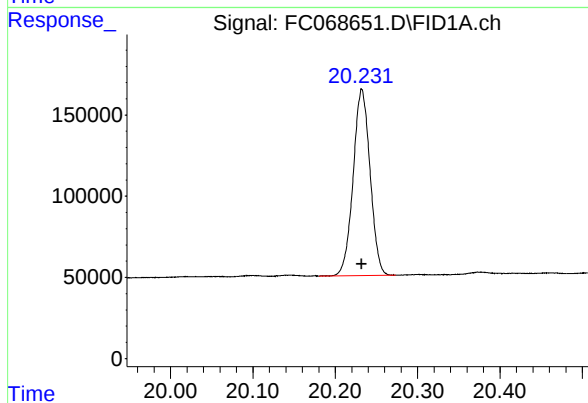
#18 n-Dotriacontane (C32)

R.T.: 18.706 min
Delta R.T.: 0.000 min
Response: 2055541
Conc: 22.41 ug/ml



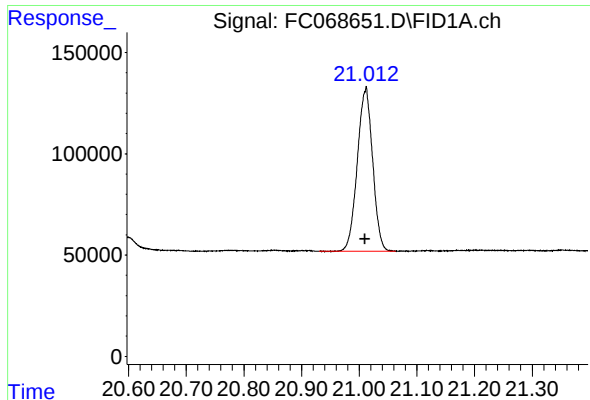
#19 n-Tetratriacontane (C34)

R.T.: 19.491 min
Delta R.T.: 0.000 min
Response: 1875385
Conc: 20.99 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.232 min
Delta R.T.: 0.000 min
Response: 1637891
Conc: 18.28 ug/ml



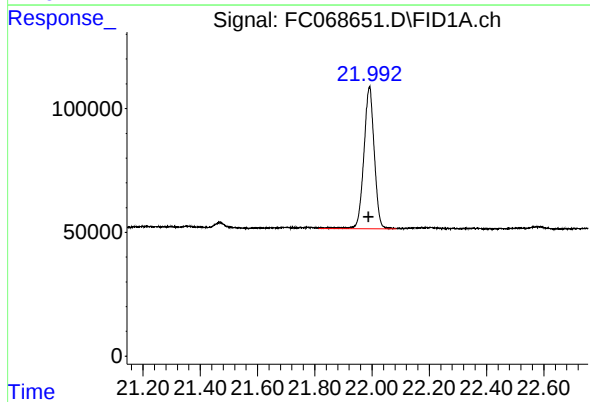
#21 n-Octatriacontane (C38)

R.T.: 21.011 min
Delta R.T.: 0.002 min
Response: 1484372
Conc: 16.79 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.992 min
Delta R.T.: 0.003 min
Response: 1451939
Conc: 16.44 ug/ml m