

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F101424AL\
 Data File : FC067429.D
 Signal(s) : FID1A.ch
 Acq On : 14 Oct 2024 13:32
 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 10/15/2024
 Supervised By :Ankita Jodhani 10/15/2024

Integration File: autoint1.e
 Quant Time: Oct 15 04:31:26 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 01 09:13:32 2024
 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)	11.502	3074455	20.205 ug/ml
Spiked Amount 50.000		Recovery =	40.41%
12) S 1-chlorooctadecane (S...	12.940	2307568	20.386 ug/ml
Spiked Amount 50.000		Recovery =	40.77%
Target Compounds			
1) T n-Nonane (C9)	3.275	2777579	21.912 ug/ml
2) T n-Decane (C10)	4.341	2857702	22.232 ug/ml
3) T A~Naphthalene (C11.7)	5.920	3109641	21.921 ug/ml
4) T n-Dodecane (C12)	6.357	2873481	22.144 ug/ml
5) T A~2-methylnaphthalene...	6.975	2994414	21.827 ug/ml
6) T n-Tetradecane (C14)	8.151	2806640	21.791 ug/ml
7) T n-Hexadecane (C16)	9.750	2845541	21.376 ug/ml
8) T n-Octadecane (C18)	11.190	2834477	20.903 ug/ml
10) T n-Eicosane (C20)	12.498	2697033	20.656 ug/ml
11) T n-Heneicosane (C21)	13.109	2639156	20.577 ug/ml
13) T n-Docosane (C22)	13.695	2616520	20.492 ug/ml
14) T n-Tetracosane (C24)	14.797	2592309	20.269 ug/ml
15) T n-Hexacosane (C26)	15.816	2550074	20.225 ug/ml
16) T n-Octacosane (C28)	16.765	2527915	20.122 ug/ml
17) T n-Tricontane (C30)	17.652	2599650	20.180 ug/ml
18) T n-Dotriacontane (C32)	18.483	2555236	20.454 ug/ml
19) T n-Tetratriacontane (C34)	19.266	2261577	20.696 ug/mlm
20) T n-Hexatriacontane (C36)	20.003	1982570	20.976 ug/mlm
21) T n-Octatriacontane (C38)	20.731	1867093	21.290 ug/ml
22) T n-Tetracontane (C40)	21.622	1857523	21.587 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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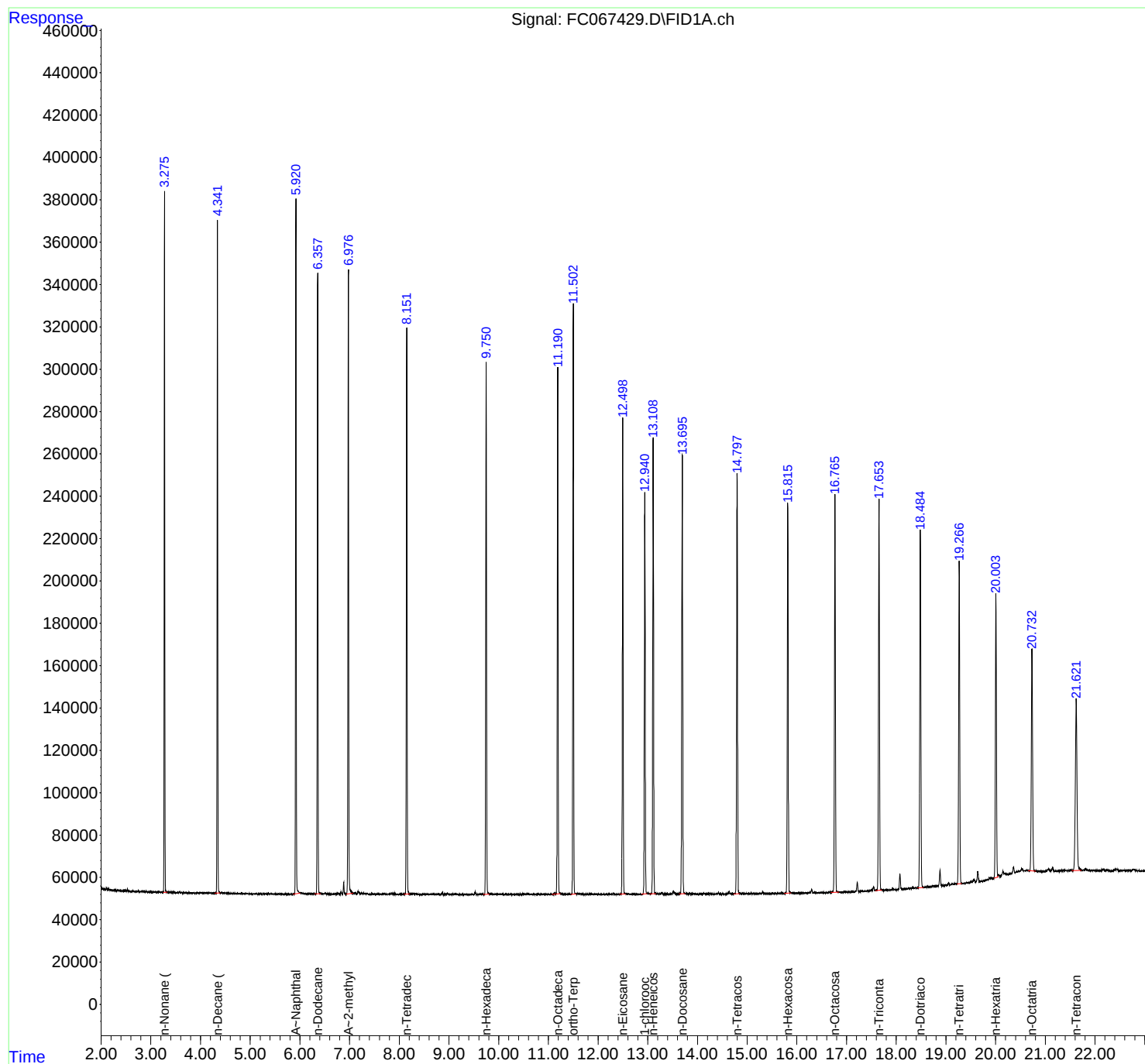
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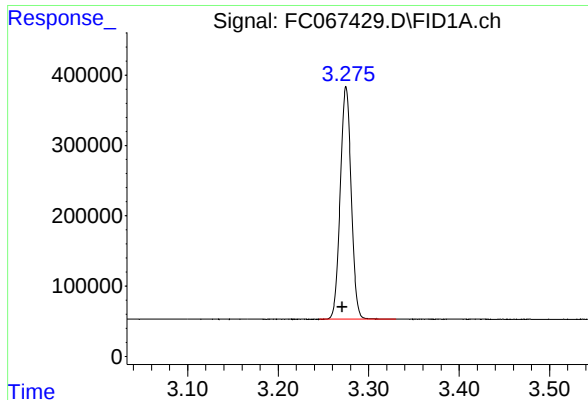
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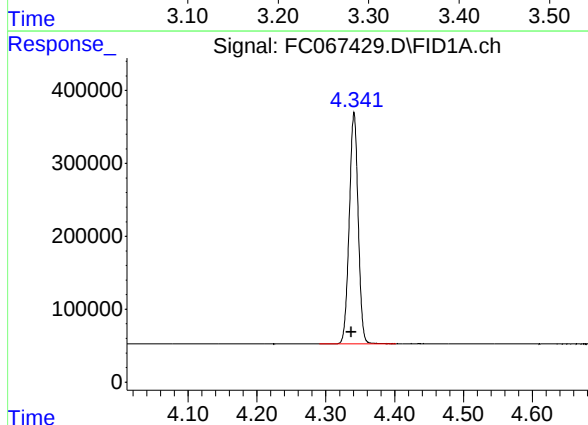
#1 n-Nonane (C9)

R.T.: 3.275 min
Delta R.T.: 0.004 min
Response: 2777579
Conc: 21.91 ug/ml

Instrument :
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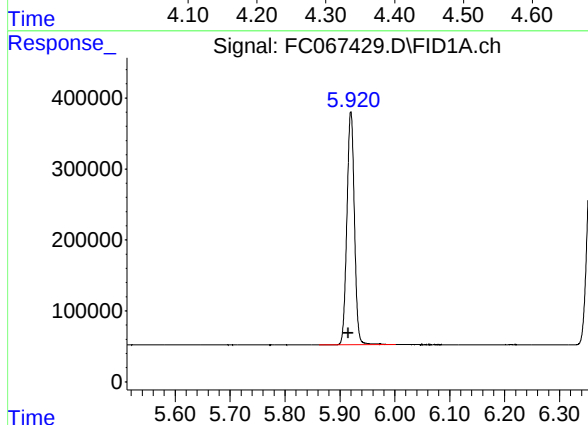
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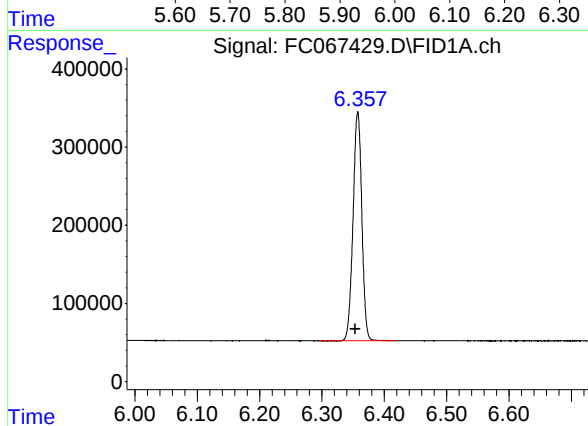
#2 n-Decane (C10)

R.T.: 4.341 min
Delta R.T.: 0.004 min
Response: 2857702
Conc: 22.23 ug/ml



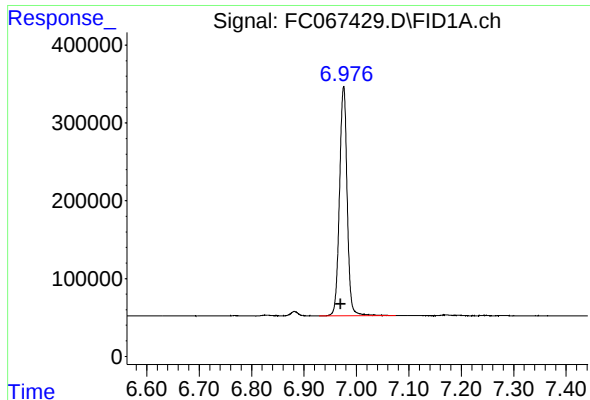
#3 A~Naphthalene (C11.7)

R.T.: 5.920 min
Delta R.T.: 0.005 min
Response: 3109641
Conc: 21.92 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.357 min
Delta R.T.: 0.004 min
Response: 2873481
Conc: 22.14 ug/ml



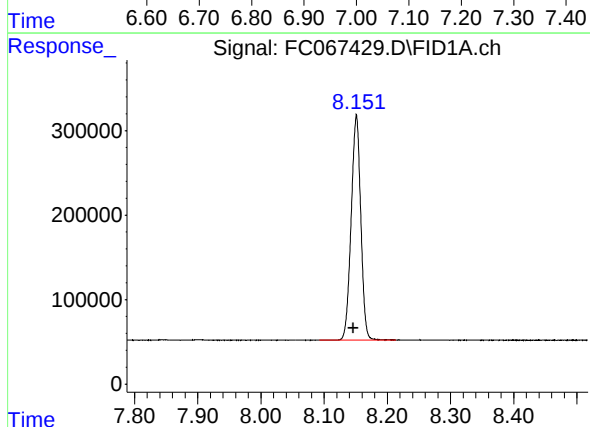
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.975 min
Delta R.T.: 0.006 min
Response: 2994414
Conc: 21.83 ug/ml

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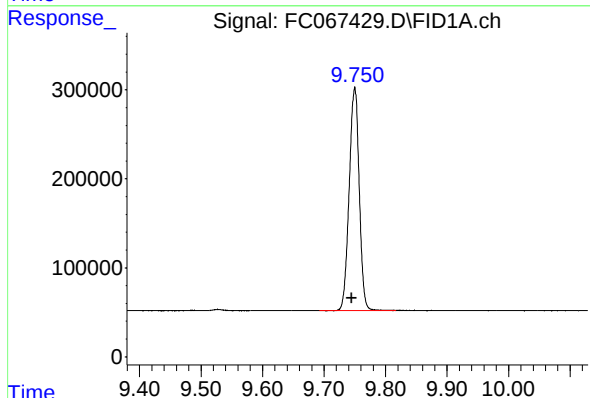
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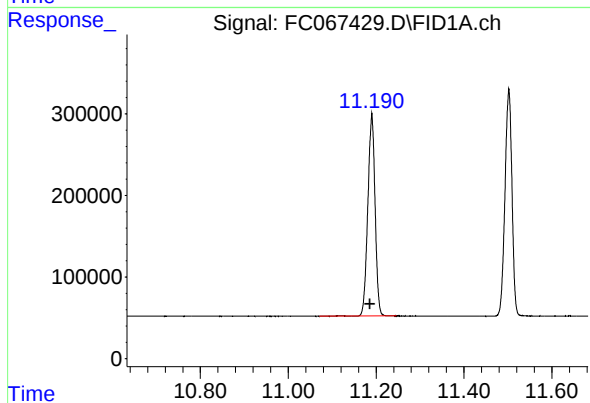
#6 n-Tetradecane (C14)

R.T.: 8.151 min
Delta R.T.: 0.005 min
Response: 2806640
Conc: 21.79 ug/ml



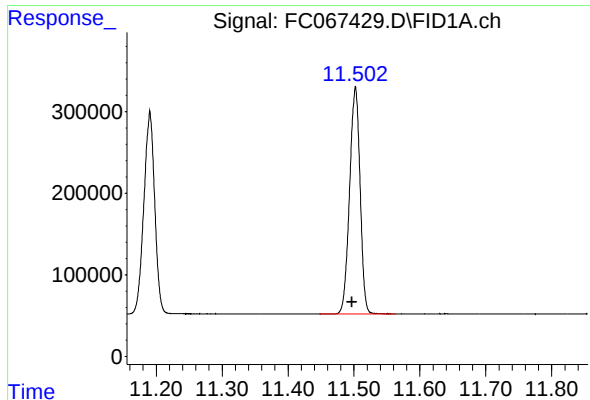
#7 n-Hexadecane (C16)

R.T.: 9.750 min
Delta R.T.: 0.005 min
Response: 2845541
Conc: 21.38 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.190 min
Delta R.T.: 0.004 min
Response: 2834477
Conc: 20.90 ug/ml



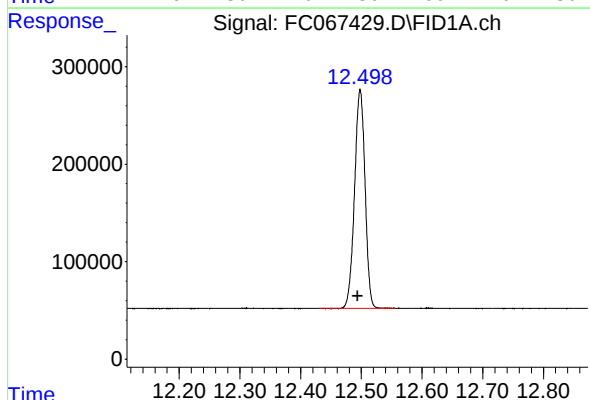
#9 ortho-Terphenyl (SURR)

R.T.: 11.502 min
Delta R.T.: 0.005 min
Response: 3074455
Conc: 20.21 ug/ml

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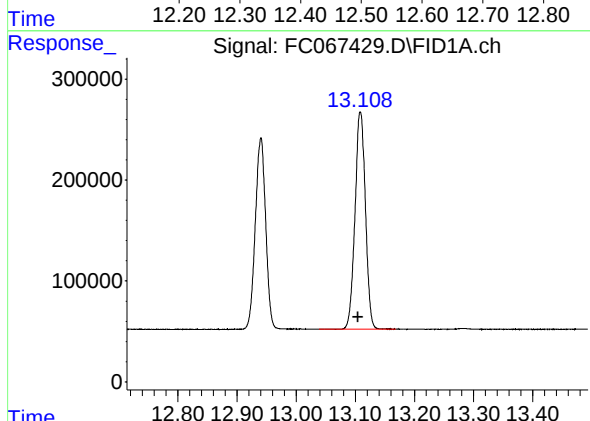
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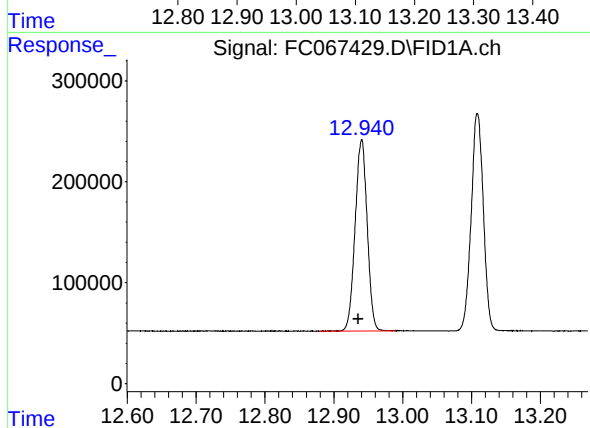
#10 n-Eicosane (C20)

R.T.: 12.498 min
Delta R.T.: 0.005 min
Response: 2697033
Conc: 20.66 ug/ml



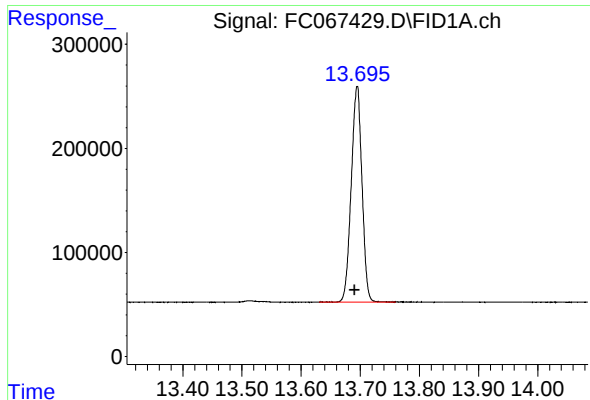
#11 n-Heneicosane (C21)

R.T.: 13.109 min
Delta R.T.: 0.004 min
Response: 2639156
Conc: 20.58 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.940 min
Delta R.T.: 0.004 min
Response: 2307568
Conc: 20.39 ug/ml



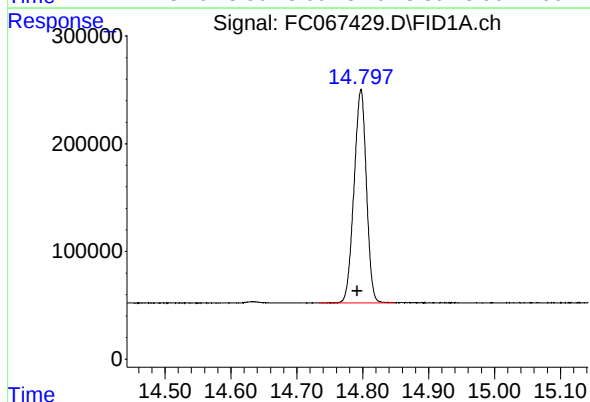
#13 n-Docosane (C22)

R.T.: 13.695 min
Delta R.T.: 0.004 min
Response: 2616520
Conc: 20.49 ug/ml

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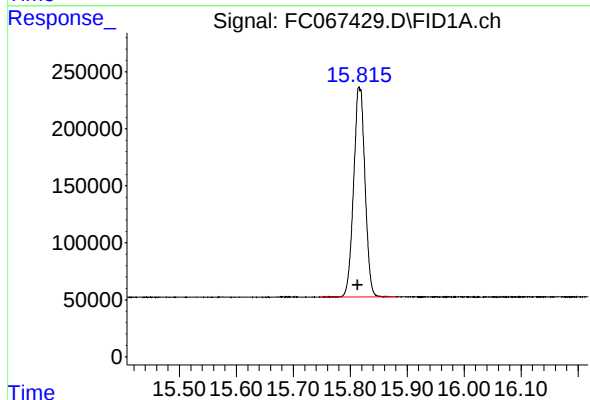
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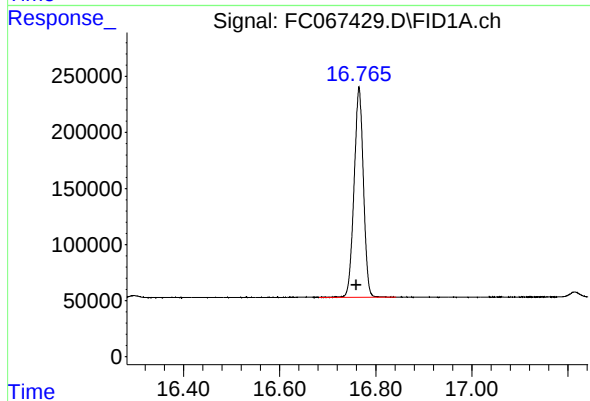
#14 n-Tetracosane (C24)

R.T.: 14.797 min
Delta R.T.: 0.005 min
Response: 2592309
Conc: 20.27 ug/ml



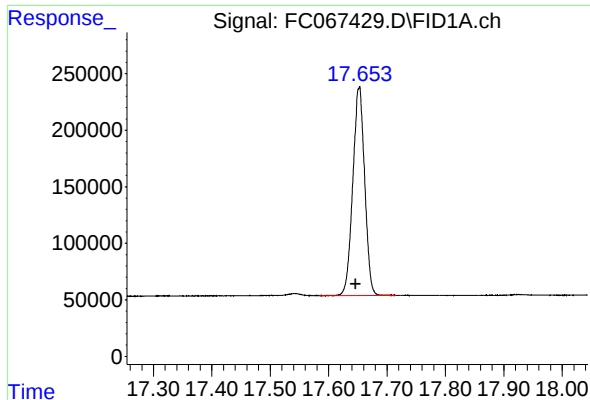
#15 n-Hexacosane (C26)

R.T.: 15.816 min
Delta R.T.: 0.004 min
Response: 2550074
Conc: 20.22 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.765 min
Delta R.T.: 0.006 min
Response: 2527915
Conc: 20.12 ug/ml



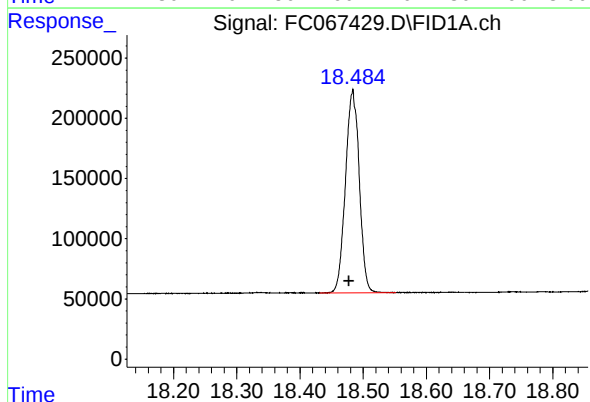
#17 n-Tricontane (C30)

R.T.: 17.652 min
Delta R.T.: 0.006 min
Response: 2599650
Conc: 20.18 ug/ml

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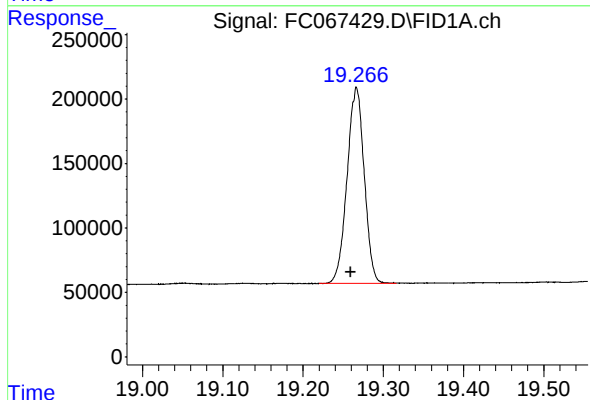
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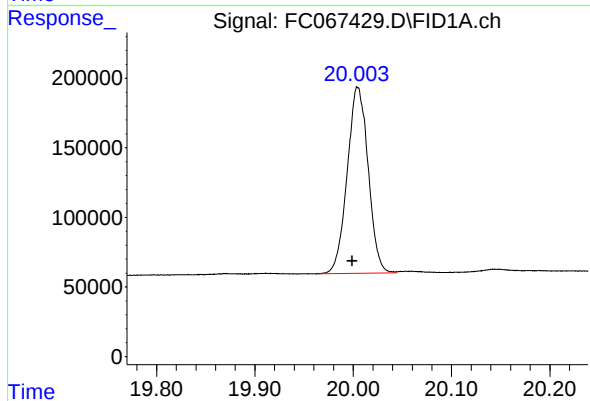
#18 n-Dotriacontane (C32)

R.T.: 18.483 min
Delta R.T.: 0.006 min
Response: 2555236
Conc: 20.45 ug/ml



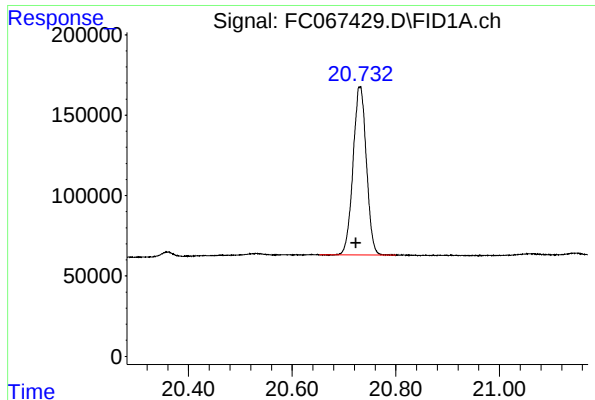
#19 n-Tetratriacontane (C34)

R.T.: 19.266 min
Delta R.T.: 0.006 min
Response: 2261577
Conc: 20.70 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.003 min
Delta R.T.: 0.004 min
Response: 1982570
Conc: 20.98 ug/ml m



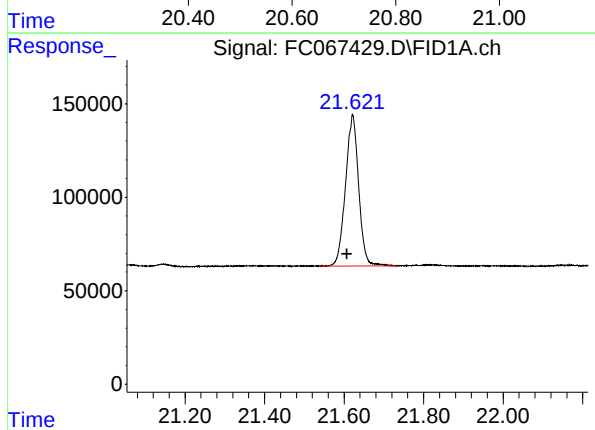
#21 n-Octatriacontane (C38)

R.T.: 20.731 min
Delta R.T.: 0.008 min
Response: 1867093
Conc: 21.29 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.622 min
Delta R.T.: 0.014 min
Response: 1857523
Conc: 21.59 ug/ml