

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082824AL\
 Data File : FC067046.D
 Signal(s) : FID1A.ch
 Acq On : 28 Aug 2024 14:04
 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 08/29/2024
 Supervised By :Ankita Jodhani 08/29/2024

Integration File: autoint1.e
 Quant Time: Aug 29 02:10:59 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 081224.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 12 15:57:40 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)	11.516	2999751	19.705 ug/ml
Spiked Amount 50.000		Recovery =	39.41%
12) S 1-chlorooctadecane (S...	12.955	2251638	20.783 ug/ml
Spiked Amount 50.000		Recovery =	41.57%
Target Compounds			
1) T n-Nonane (C9)	3.283	2918240	19.856 ug/ml
2) T n-Decane (C10)	4.349	3001692	20.032 ug/ml
3) T A~Naphthalene (C11.7)	5.930	3173824	19.950 ug/ml
4) T n-Dodecane (C12)	6.366	2988541	19.918 ug/ml
5) T A~2-methylnaphthalene...	6.987	3018126	20.069 ug/ml
6) T n-Tetradecane (C14)	8.160	2899309	19.996 ug/ml
7) T n-Hexadecane (C16)	9.761	2933573	20.016 ug/ml
8) T n-Octadecane (C18)	11.203	2898243	19.885 ug/ml
10) T n-Eicosane (C20)	12.512	2728777	19.926 ug/ml
11) T n-Heneicosane (C21)	13.123	2656084	19.931 ug/ml
13) T n-Docosane (C22)	13.709	2632426	19.977 ug/ml
14) T n-Tetracosane (C24)	14.812	2591491	19.996 ug/ml
15) T n-Hexacosane (C26)	15.832	2539892	20.024 ug/ml
16) T n-Octacosane (C28)	16.782	2529790	20.368 ug/ml
17) T n-Tricontane (C30)	17.670	2660476	21.170 ug/ml
18) T n-Dotriacontane (C32)	18.501	2633112	21.318 ug/ml
19) T n-Tetratriacontane (C34)	19.285	2531850	21.114 ug/mlm
20) T n-Hexatriacontane (C36)	20.025	2446271	21.666 ug/mlm
21) T n-Octatriacontane (C38)	20.754	2521786	23.147 ug/mlm
22) T n-Tetracontane (C40)	21.648	2215164	21.685 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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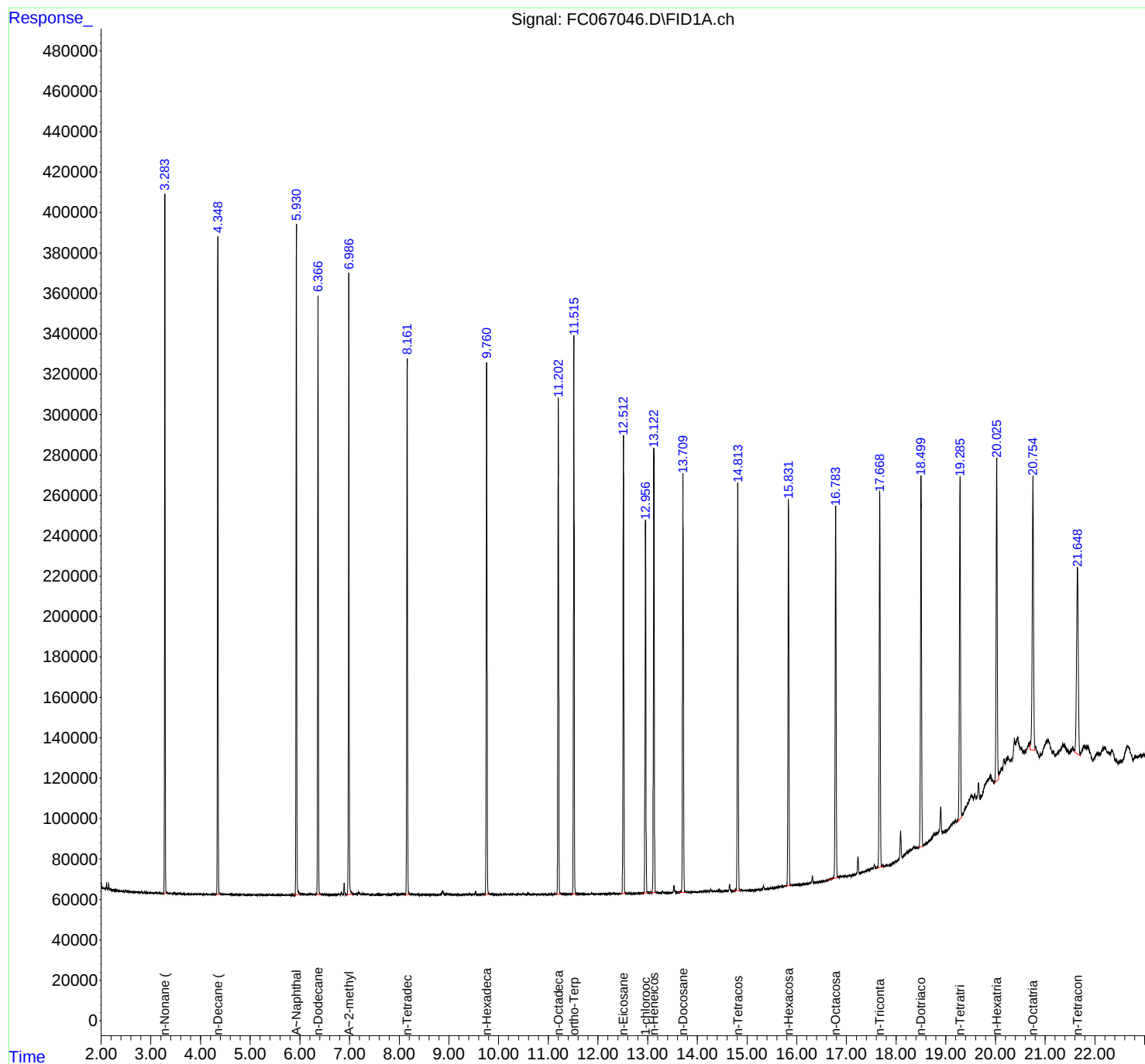
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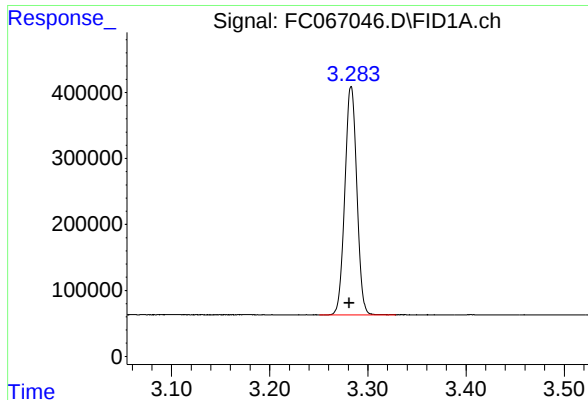
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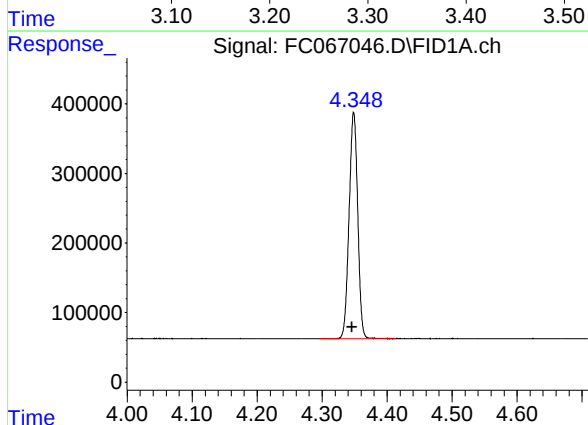
#1 n-Nonane (C9)

R.T.: 3.283 min
Delta R.T.: 0.002 min
Response: 2918240
Conc: 19.86 ug/ml

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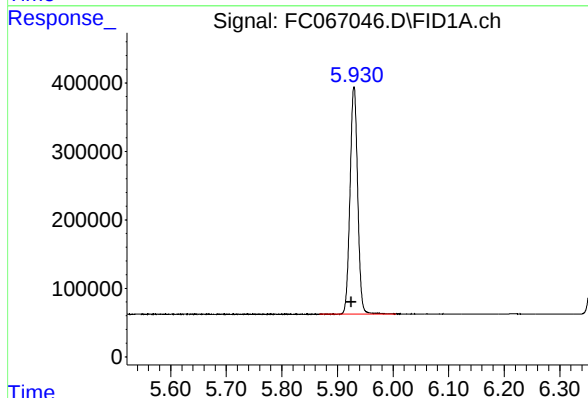
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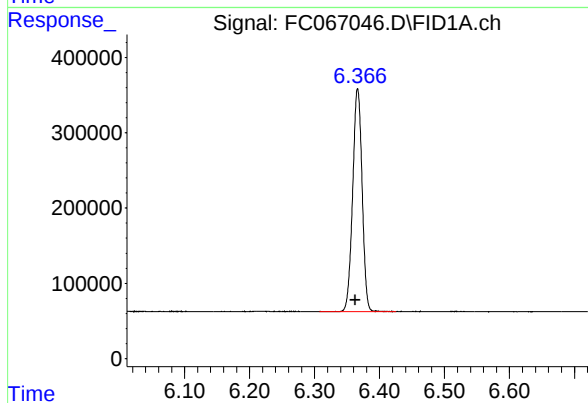
#2 n-Decane (C10)

R.T.: 4.349 min
Delta R.T.: 0.003 min
Response: 3001692
Conc: 20.03 ug/ml



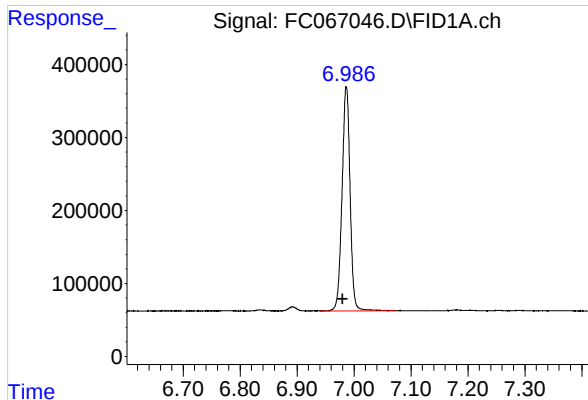
#3 A~Naphthalene (C11.7)

R.T.: 5.930 min
Delta R.T.: 0.005 min
Response: 3173824
Conc: 19.95 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.366 min
Delta R.T.: 0.004 min
Response: 2988541
Conc: 19.92 ug/ml



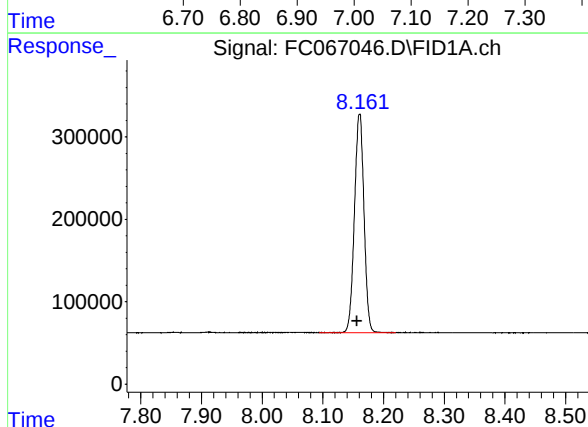
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.987 min
Delta R.T.: 0.006 min
Response: 3018126
Conc: 20.07 ug/ml

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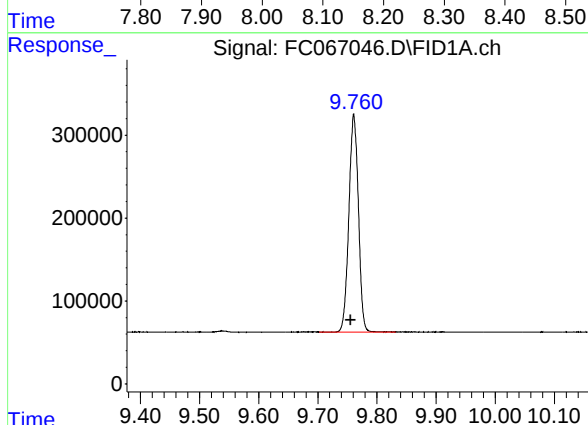
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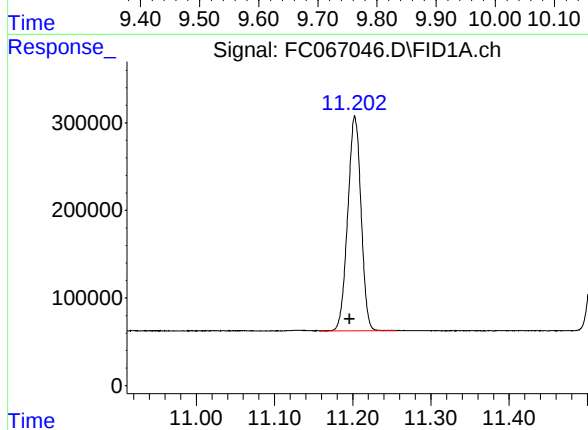
#6 n-Tetradecane (C14)

R.T.: 8.160 min
Delta R.T.: 0.005 min
Response: 2899309
Conc: 20.00 ug/ml



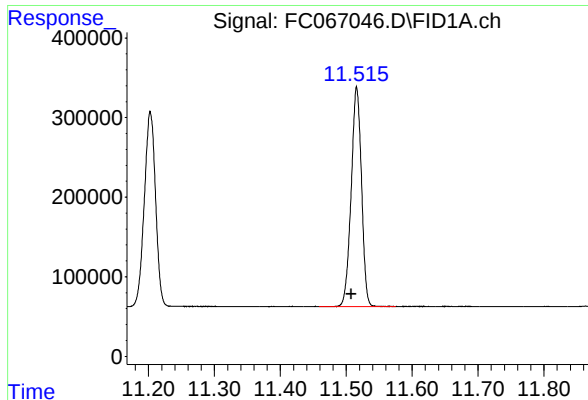
#7 n-Hexadecane (C16)

R.T.: 9.761 min
Delta R.T.: 0.005 min
Response: 2933573
Conc: 20.02 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.203 min
Delta R.T.: 0.006 min
Response: 2898243
Conc: 19.89 ug/ml



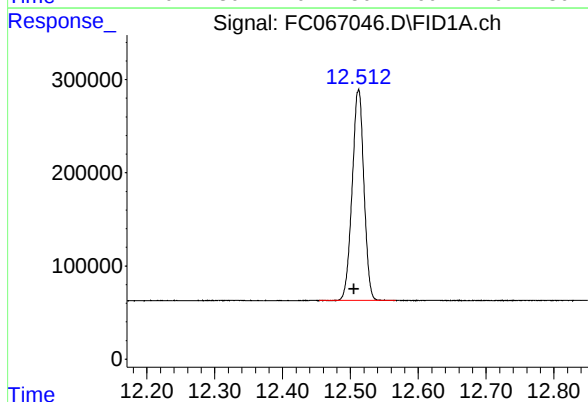
#9 ortho-Terphenyl (SURR)

R.T.: 11.516 min
Delta R.T.: 0.008 min
Response: 2999751
Conc: 19.70 ug/ml

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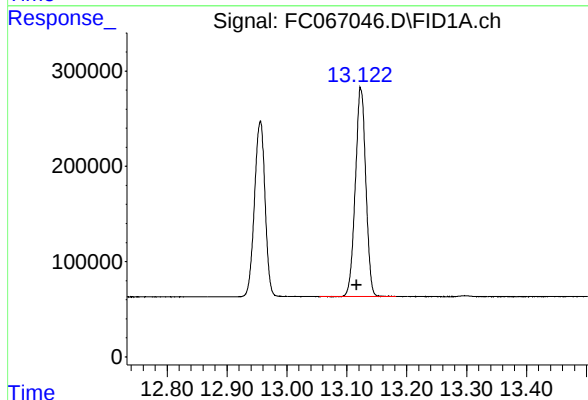
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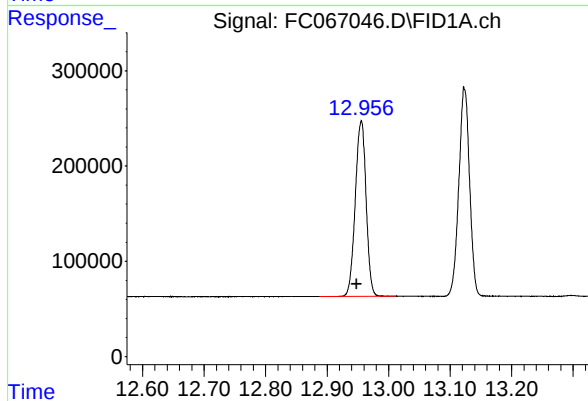
#10 n-Eicosane (C20)

R.T.: 12.512 min
Delta R.T.: 0.007 min
Response: 2728777
Conc: 19.93 ug/ml



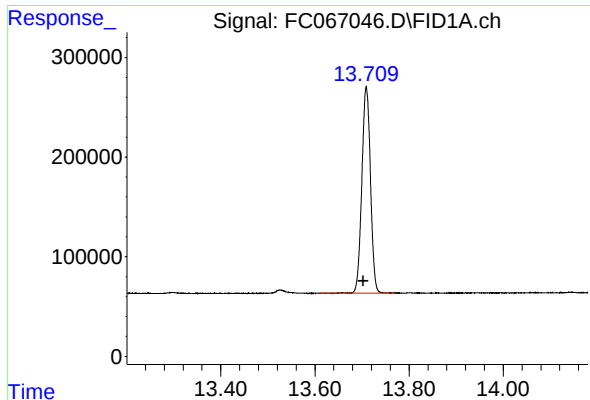
#11 n-Heneicosane (C21)

R.T.: 13.123 min
Delta R.T.: 0.007 min
Response: 2656084
Conc: 19.93 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.955 min
Delta R.T.: 0.007 min
Response: 2251638
Conc: 20.78 ug/ml



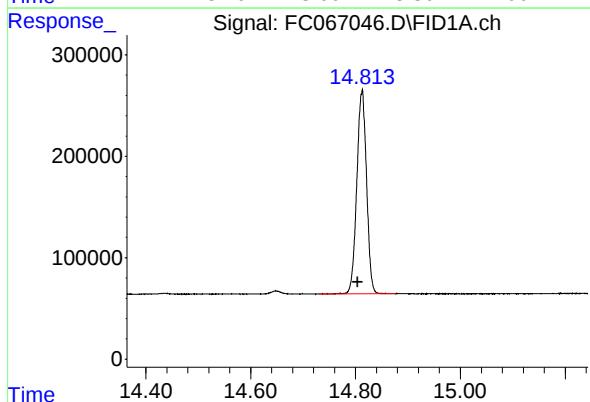
#13 n-Docosane (C22)

R.T.: 13.709 min
Delta R.T.: 0.007 min
Response: 2632426
Conc: 19.98 ug/ml

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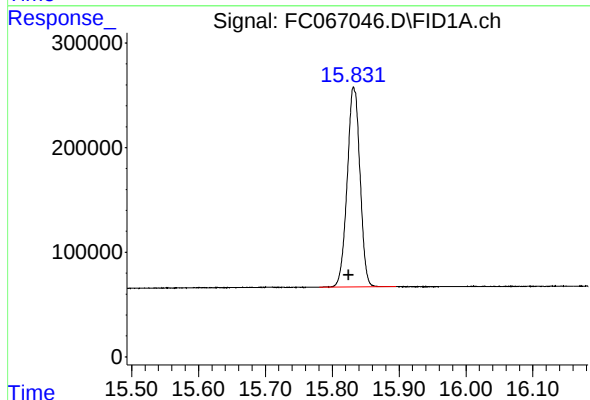
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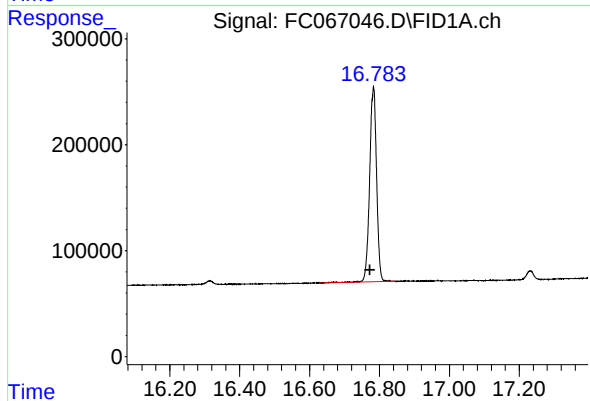
#14 n-Tetracosane (C24)

R.T.: 14.812 min
Delta R.T.: 0.008 min
Response: 2591491
Conc: 20.00 ug/ml



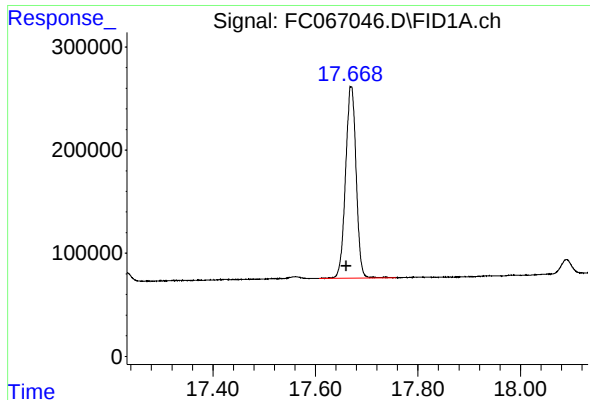
#15 n-Hexacosane (C26)

R.T.: 15.832 min
Delta R.T.: 0.008 min
Response: 2539892
Conc: 20.02 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.782 min
Delta R.T.: 0.009 min
Response: 2529790
Conc: 20.37 ug/ml



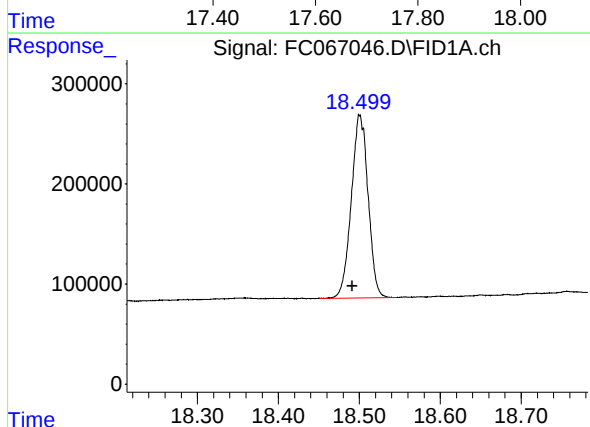
#17 n-Tricontane (C30)

R.T.: 17.670 min
Delta R.T.: 0.009 min
Response: 2660476
Conc: 21.17 ug/ml

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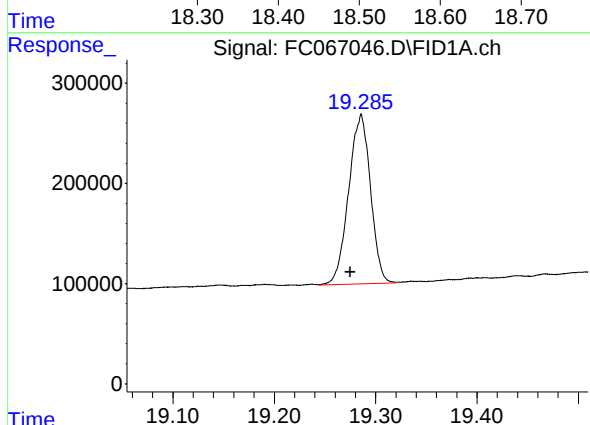
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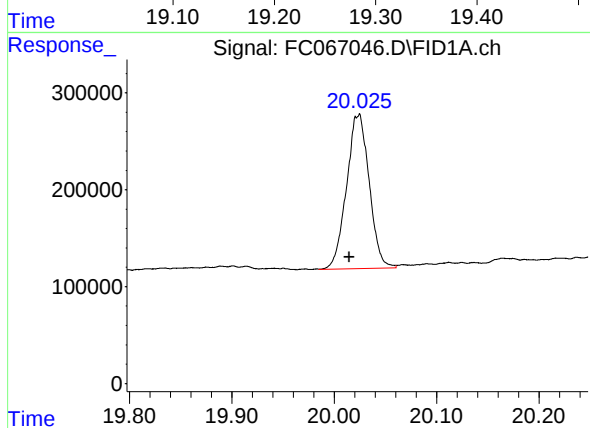
#18 n-Dotriacontane (C32)

R.T.: 18.501 min
Delta R.T.: 0.010 min
Response: 2633112
Conc: 21.32 ug/ml



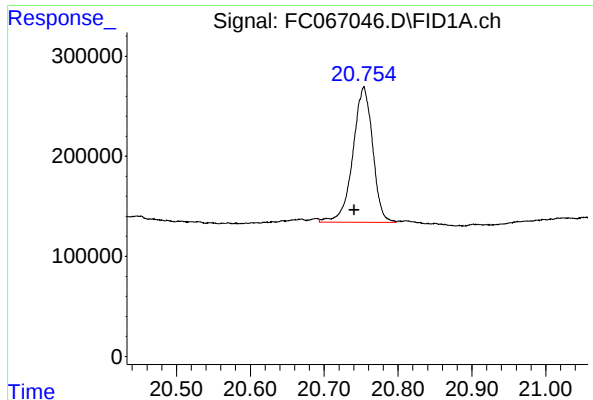
#19 n-Tetratriacontane (C34)

R.T.: 19.285 min
Delta R.T.: 0.010 min
Response: 2531850
Conc: 21.11 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.025 min
Delta R.T.: 0.010 min
Response: 2446271
Conc: 21.67 ug/ml m



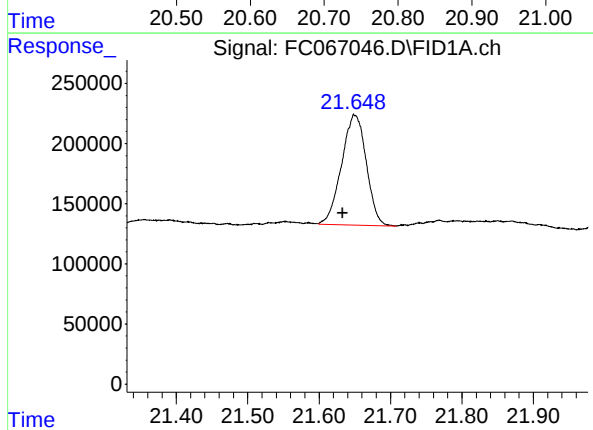
#21 n-Octatriacontane (C38)

R.T.: 20.754 min
Delta R.T.: 0.013 min
Response: 2521786
Conc: 23.15 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.648 min
Delta R.T.: 0.015 min
Response: 2215164
Conc: 21.68 ug/ml m