

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101124AL\
 Data File : FC067426.D
 Signal(s) : FID1A.ch
 Acq On : 12 Oct 2024 07:59
 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 10/14/2024
 Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e
 Quant Time: Oct 14 03:28:01 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)	11.501	3142448	20.652 ug/ml
Spiked Amount 50.000		Recovery =	41.30%
12) S 1-chlorooctadecane (S...	12.939	2344398	20.711 ug/ml
Spiked Amount 50.000		Recovery =	41.42%
Target Compounds			
1) T n-Nonane (C9)	3.275	2833410	22.353 ug/ml
2) T n-Decane (C10)	4.341	2905462	22.603 ug/ml
3) T A~Naphthalene (C11.7)	5.920	3189532	22.484 ug/ml
4) T n-Dodecane (C12)	6.357	2902504	22.368 ug/ml
5) T A~2-methylnaphthalene...	6.975	3058982	22.298 ug/ml
6) T n-Tetradecane (C14)	8.150	2816918	21.871 ug/ml
7) T n-Hexadecane (C16)	9.749	2850481	21.413 ug/ml
8) T n-Octadecane (C18)	11.189	2844444	20.976 ug/ml
10) T n-Eicosane (C20)	12.497	2720327	20.834 ug/ml
11) T n-Heneicosane (C21)	13.108	2663922	20.770 ug/ml
13) T n-Docosane (C22)	13.694	2654113	20.786 ug/ml
14) T n-Tetracosane (C24)	14.796	2646825	20.696 ug/ml
15) T n-Hexacosane (C26)	15.815	2615499	20.744 ug/ml
16) T n-Octacosane (C28)	16.763	2626542	20.907 ug/ml
17) T n-Tricontane (C30)	17.651	2757482	21.405 ug/ml
18) T n-Dotriacontane (C32)	18.483	2721049	21.781 ug/ml
19) T n-Tetratriacontane (C34)	19.265	2396315	21.929 ug/mlm
20) T n-Hexatriacontane (C36)	20.004	2072684	21.929 ug/ml
21) T n-Octatriacontane (C38)	20.727	1952261	22.261 ug/ml
22) T n-Tetracontane (C40)	21.614	1938492	22.528 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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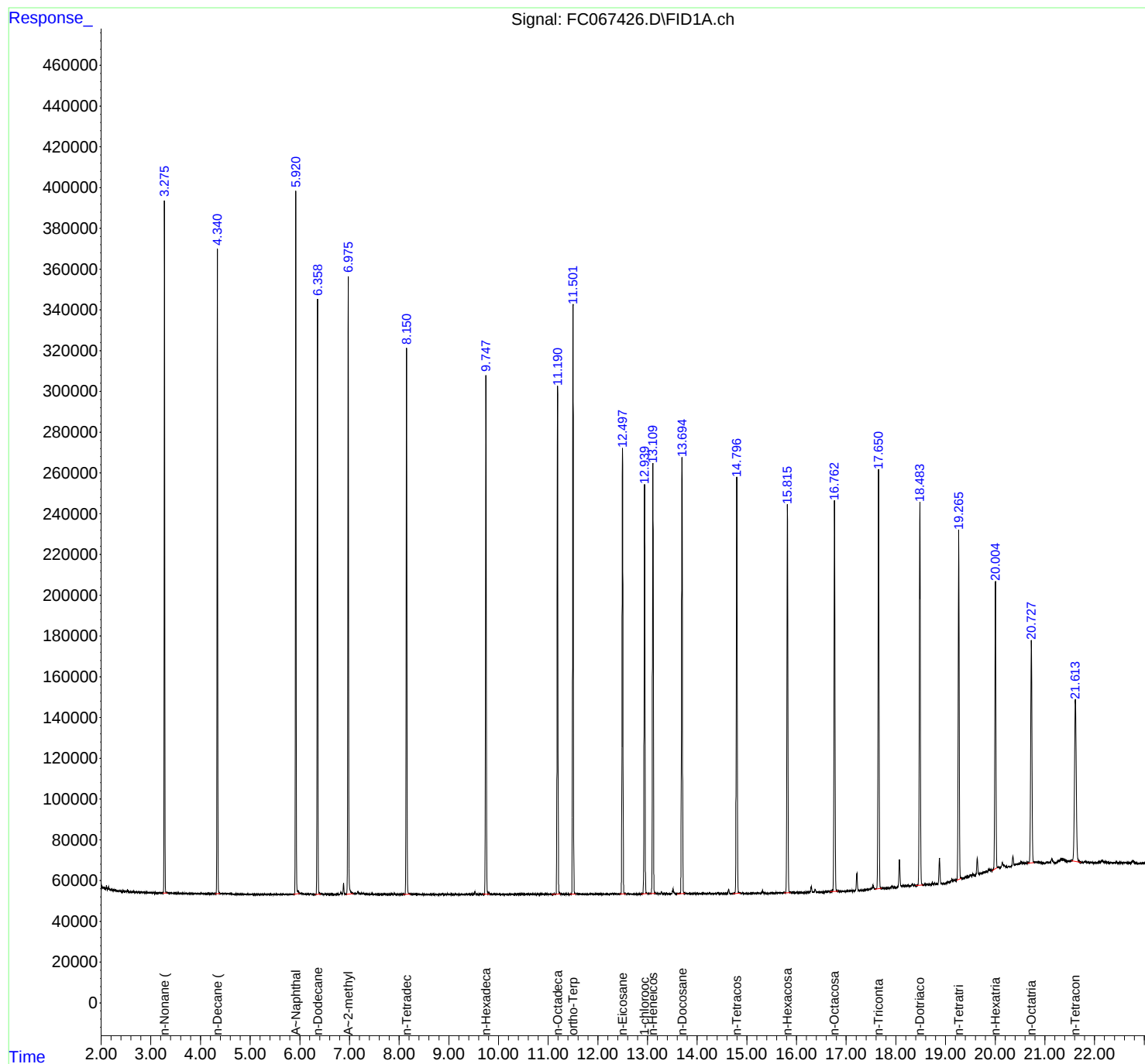
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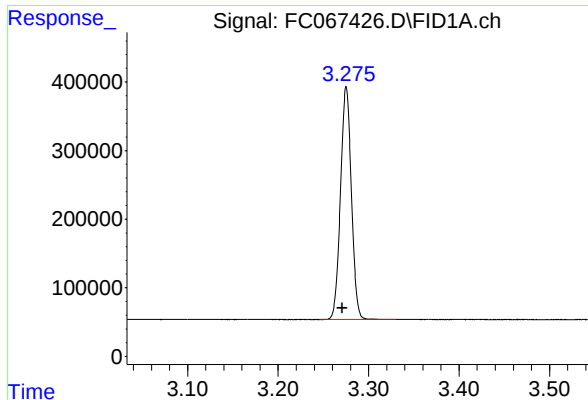
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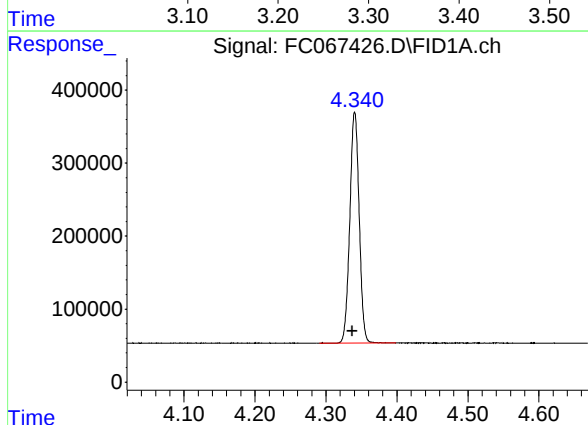
#1 n-Nonane (C9)

R.T.: 3.275 min
Delta R.T.: 0.004 min
Response: 2833410
Conc: 22.35 ug/ml

Instrument : FID_C
ClientSampleId : 20 PPM ALIPHATIC HC STD

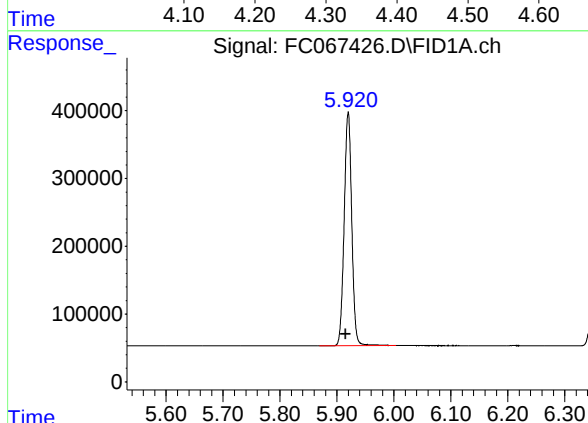
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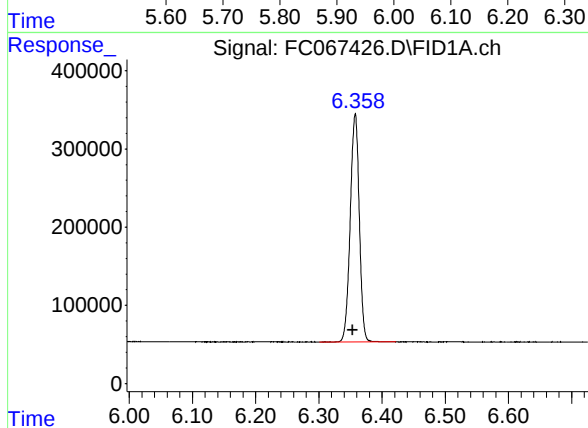
#2 n-Decane (C10)

R.T.: 4.341 min
Delta R.T.: 0.003 min
Response: 2905462
Conc: 22.60 ug/ml



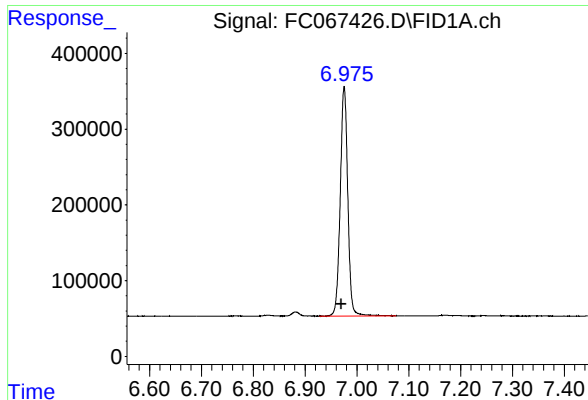
#3 A~Naphthalene (C11.7)

R.T.: 5.920 min
Delta R.T.: 0.005 min
Response: 3189532
Conc: 22.48 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.357 min
Delta R.T.: 0.004 min
Response: 2902504
Conc: 22.37 ug/ml



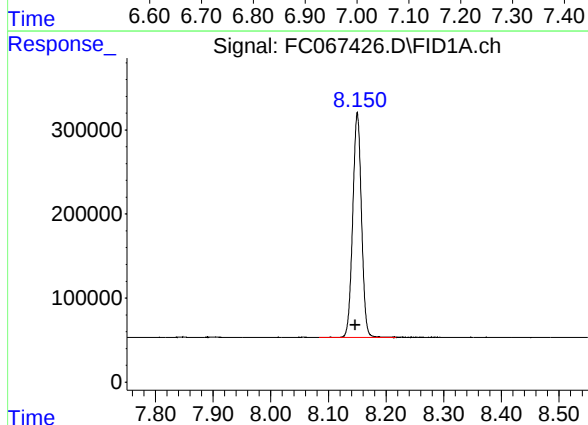
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.975 min
Delta R.T.: 0.006 min
Response: 3058982
Conc: 22.30 ug/ml

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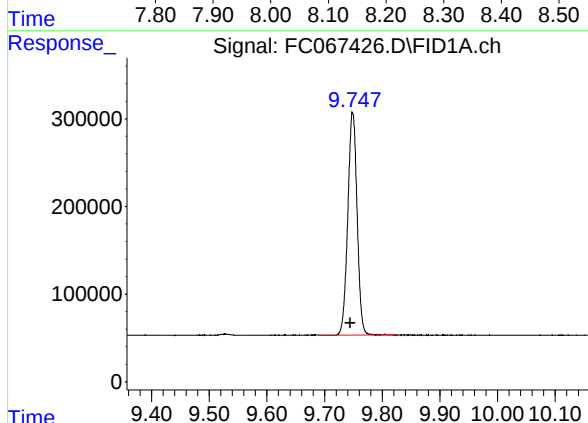
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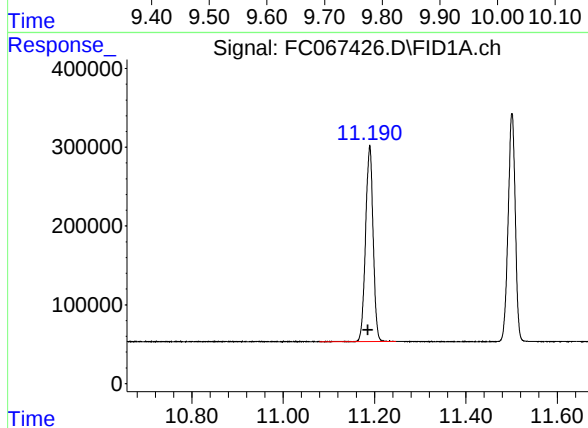
#6 n-Tetradecane (C14)

R.T.: 8.150 min
Delta R.T.: 0.004 min
Response: 2816918
Conc: 21.87 ug/ml



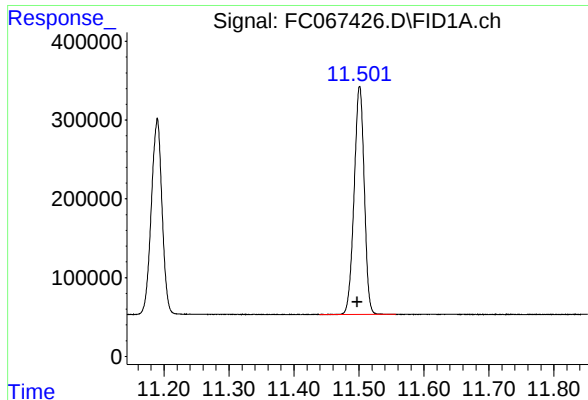
#7 n-Hexadecane (C16)

R.T.: 9.749 min
Delta R.T.: 0.004 min
Response: 2850481
Conc: 21.41 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.189 min
Delta R.T.: 0.003 min
Response: 2844444
Conc: 20.98 ug/ml



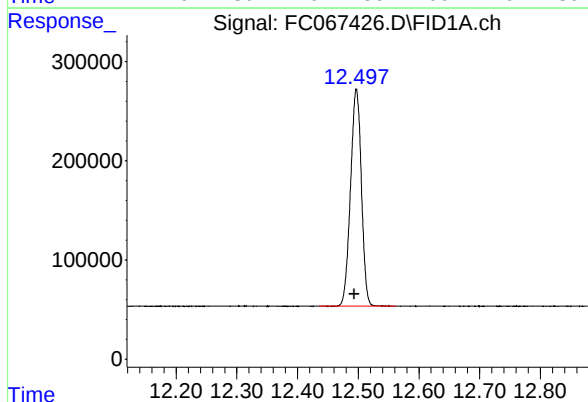
#9 ortho-Terphenyl (SURR)

R.T.: 11.501 min
Delta R.T.: 0.004 min
Response: 3142448
Conc: 20.65 ug/ml

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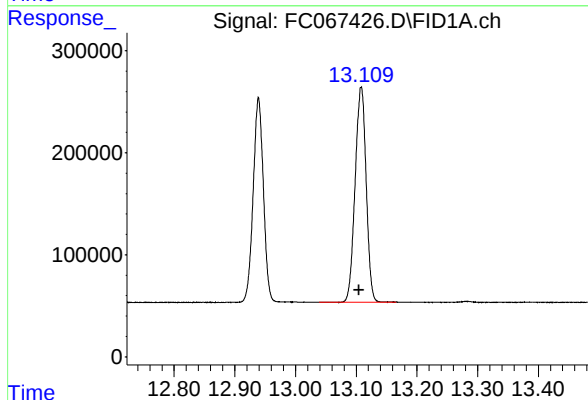
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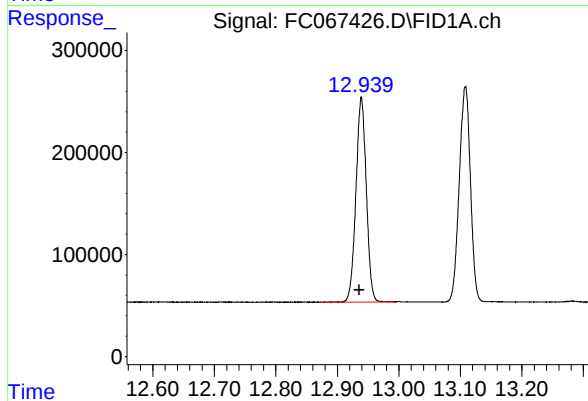
#10 n-Eicosane (C20)

R.T.: 12.497 min
Delta R.T.: 0.003 min
Response: 2720327
Conc: 20.83 ug/ml



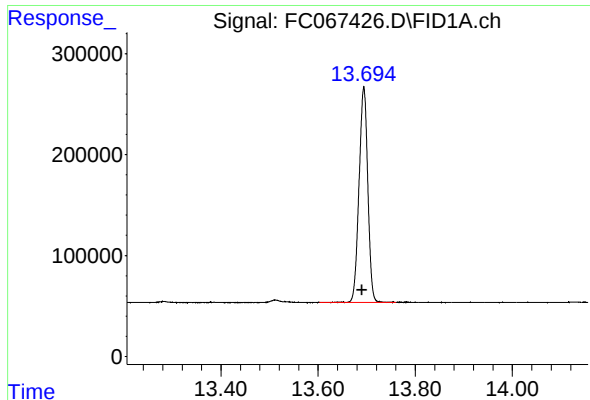
#11 n-Heneicosane (C21)

R.T.: 13.108 min
Delta R.T.: 0.004 min
Response: 2663922
Conc: 20.77 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.939 min
Delta R.T.: 0.003 min
Response: 2344398
Conc: 20.71 ug/ml



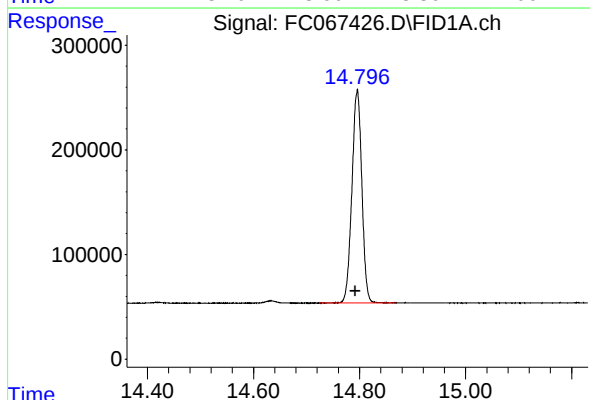
#13 n-Docosane (C22)

R.T.: 13.694 min
Delta R.T.: 0.004 min
Response: 2654113
Conc: 20.79 ug/ml

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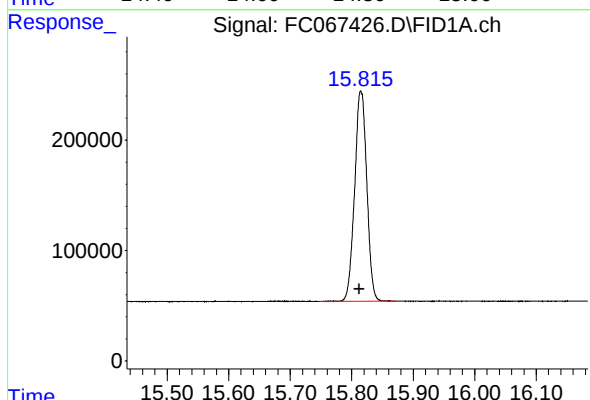
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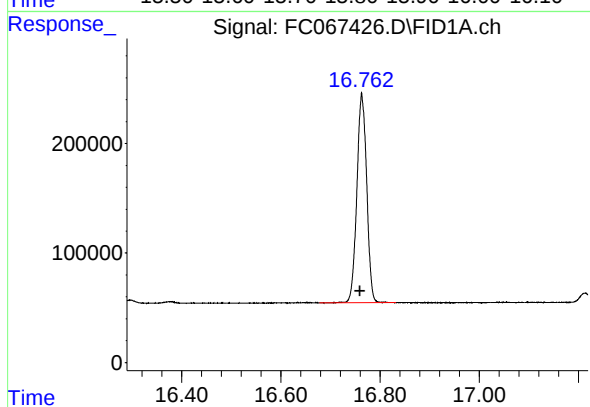
#14 n-Tetracosane (C24)

R.T.: 14.796 min
Delta R.T.: 0.004 min
Response: 2646825
Conc: 20.70 ug/ml



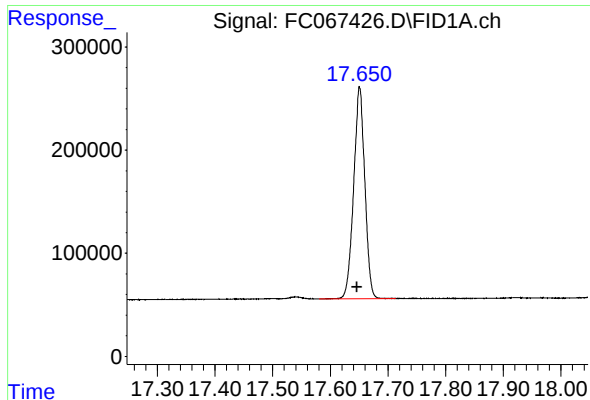
#15 n-Hexacosane (C26)

R.T.: 15.815 min
Delta R.T.: 0.003 min
Response: 2615499
Conc: 20.74 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.763 min
Delta R.T.: 0.004 min
Response: 2626542
Conc: 20.91 ug/ml



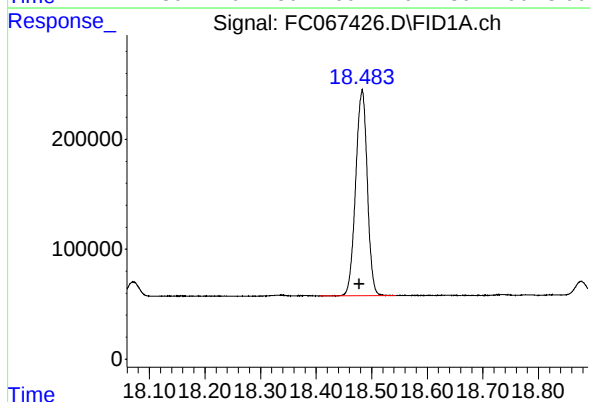
#17 n-Tricontane (C30)

R.T.: 17.651 min
Delta R.T.: 0.005 min
Response: 2757482
Conc: 21.40 ug/ml

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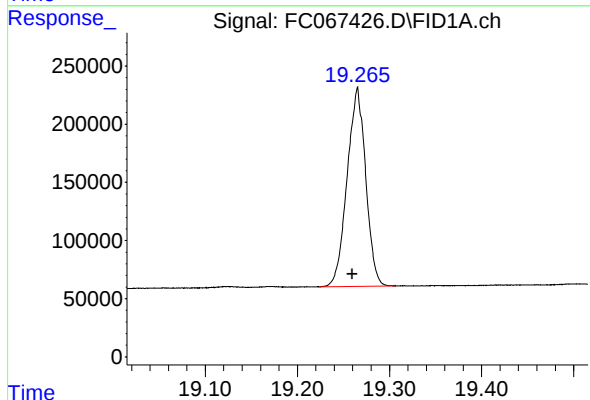
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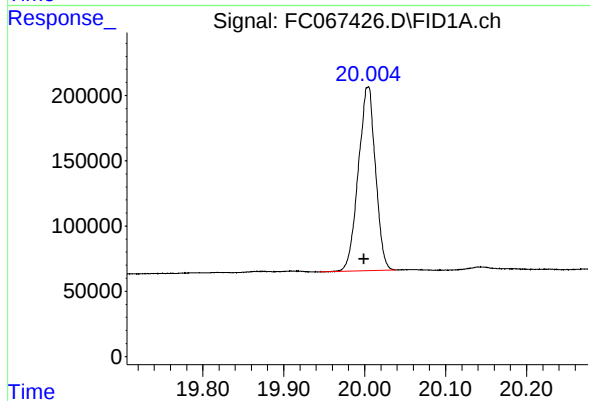
#18 n-Dotriacontane (C32)

R.T.: 18.483 min
Delta R.T.: 0.005 min
Response: 2721049
Conc: 21.78 ug/ml



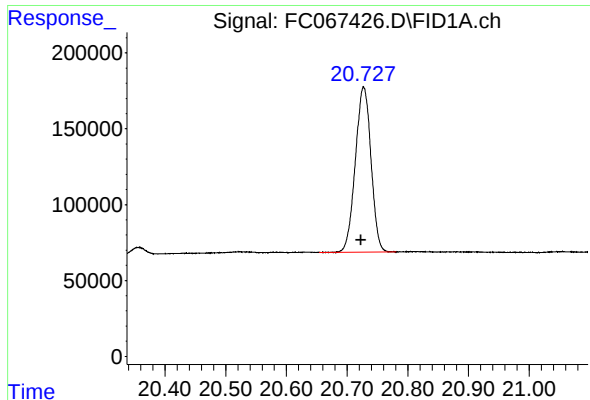
#19 n-Tetratriacontane (C34)

R.T.: 19.265 min
Delta R.T.: 0.006 min
Response: 2396315
Conc: 21.93 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.004 min
Delta R.T.: 0.005 min
Response: 2072684
Conc: 21.93 ug/ml



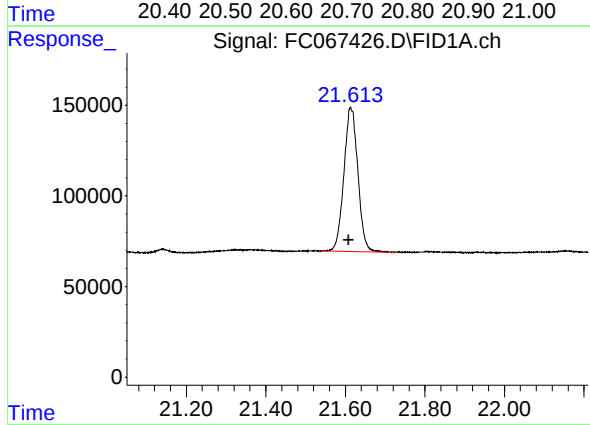
#21 n-Octatriacontane (C38)

R.T.: 20.727 min
Delta R.T.: 0.004 min
Response: 1952261
Conc: 22.26 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.614 min
Delta R.T.: 0.006 min
Response: 1938492
Conc: 22.53 ug/ml