

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F101124AL\
 Data File : FC067420.D
 Signal(s) : FID1A.ch
 Acq On : 12 Oct 2024 03:41
 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 10/14/2024
 Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e
 Quant Time: Oct 14 03:27:00 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	2783627	18.294 ug/ml
Spiked Amount 50.000		Recovery =	36.59%
12) S 1-chlorooctadecane (S...	12.940	2075097	18.332 ug/ml
Spiked Amount 50.000		Recovery =	36.66%
Target Compounds			
1) T n-Nonane (C9)	3.275	2529293	19.954 ug/ml
2) T n-Decane (C10)	4.341	2570210	19.995 ug/ml
3) T A~Naphthalene (C11.7)	5.920	2825016	19.915 ug/ml
4) T n-Dodecane (C12)	6.358	2573313	19.831 ug/ml
5) T A~2-methylnaphthalene...	6.976	2713745	19.781 ug/ml
6) T n-Tetradecane (C14)	8.151	2504388	19.444 ug/ml
7) T n-Hexadecane (C16)	9.750	2530122	19.007 ug/ml
8) T n-Octadecane (C18)	11.190	2519673	18.581 ug/ml
10) T n-Eicosane (C20)	12.497	2408559	18.447 ug/ml
11) T n-Heneicosane (C21)	13.109	2363056	18.424 ug/ml
13) T n-Docosane (C22)	13.694	2348236	18.391 ug/ml
14) T n-Tetracosane (C24)	14.797	2333056	18.242 ug/ml
15) T n-Hexacosane (C26)	15.816	2303623	18.270 ug/ml
16) T n-Octacosane (C28)	16.765	2275689	18.114 ug/ml
17) T n-Tricontane (C30)	17.651	2320514	18.013 ug/ml
18) T n-Dotriacontane (C32)	18.482	2265647	18.136 ug/ml
19) T n-Tetratriacontane (C34)	19.265	2017160	18.459 ug/ml
20) T n-Hexatriacontane (C36)	20.003	1791495	18.954 ug/mlm
21) T n-Octatriacontane (C38)	20.728	1702883	19.417 ug/ml
22) T n-Tetracontane (C40)	21.617	1698314	19.737 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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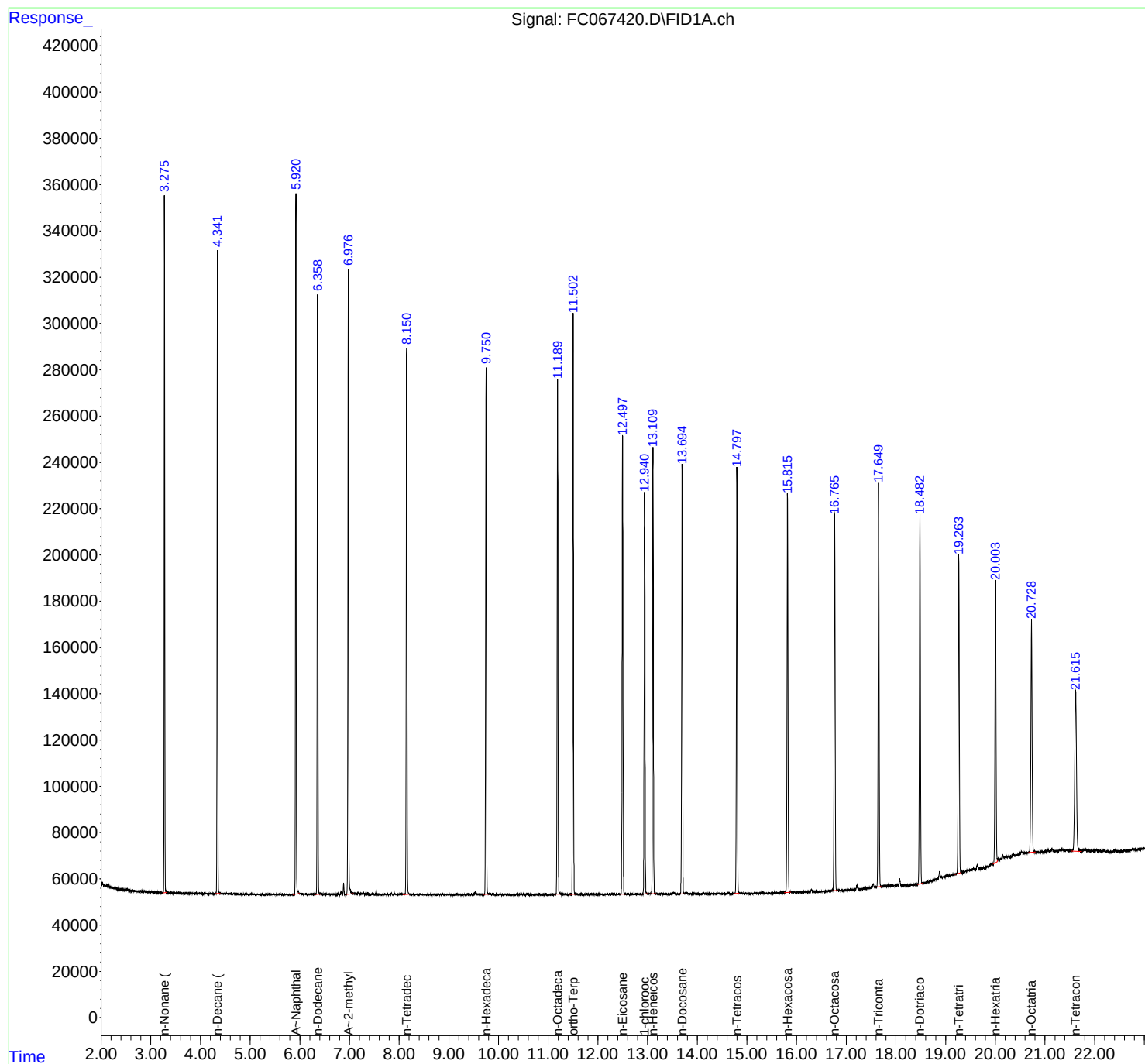
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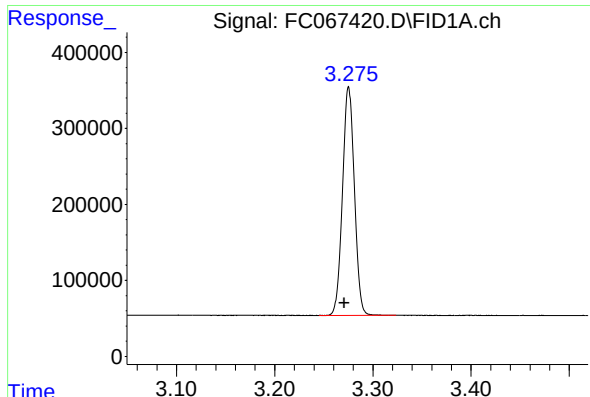
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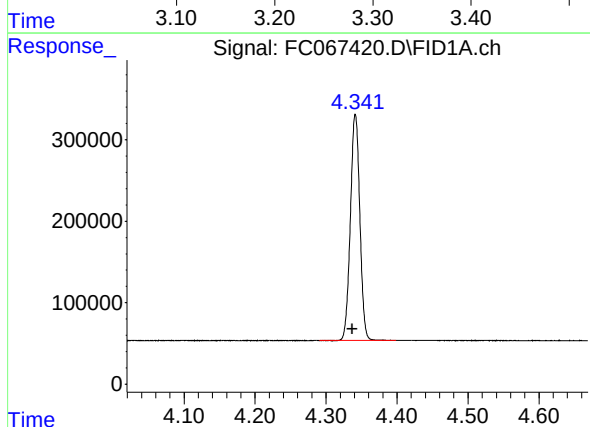
#1 n-Nonane (C9)

R.T.: 3.275 min
Delta R.T.: 0.004 min
Response: 2529293
Conc: 19.95 ug/ml

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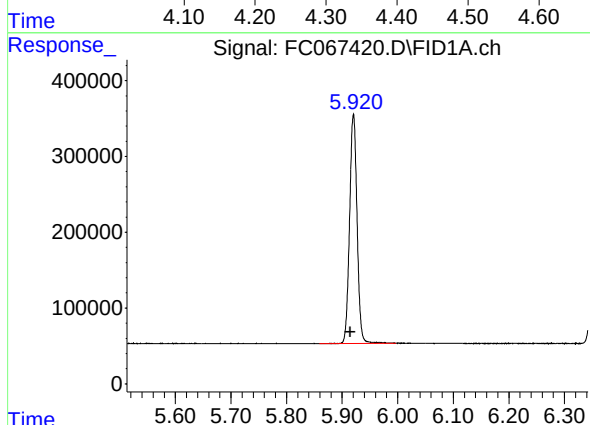
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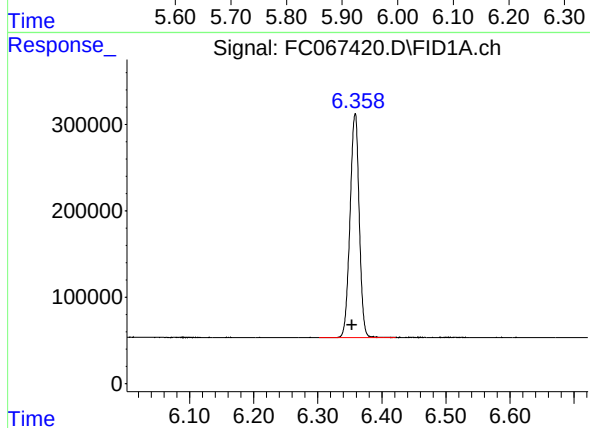
#2 n-Decane (C10)

R.T.: 4.341 min
Delta R.T.: 0.004 min
Response: 2570210
Conc: 20.00 ug/ml



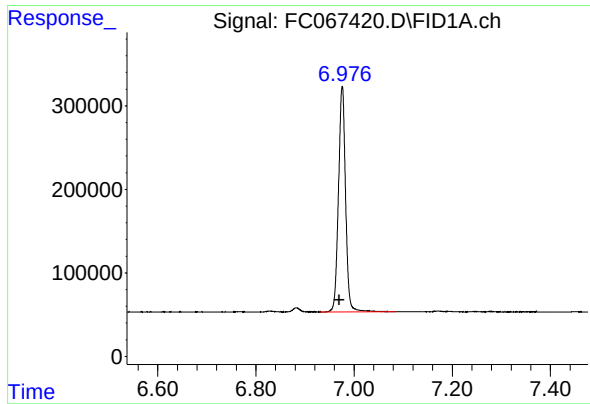
#3 A~Naphthalene (C11.7)

R.T.: 5.920 min
Delta R.T.: 0.005 min
Response: 2825016
Conc: 19.91 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.358 min
Delta R.T.: 0.005 min
Response: 2573313
Conc: 19.83 ug/ml



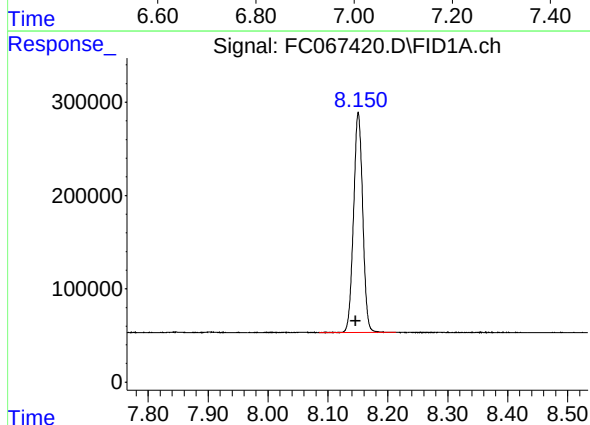
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.976 min
Delta R.T.: 0.006 min
Response: 2713745
Conc: 19.78 ug/ml

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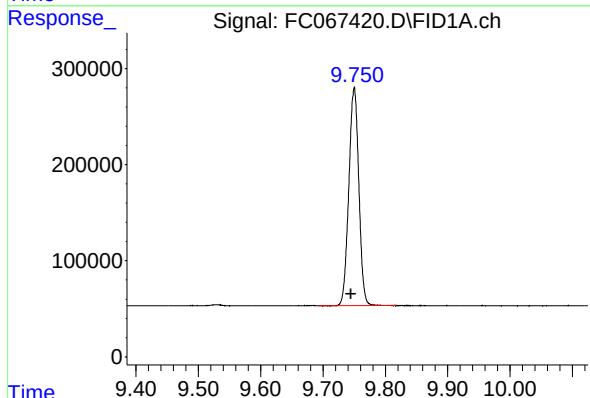
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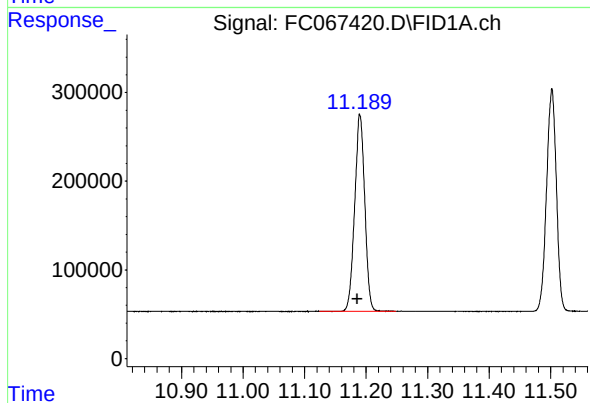
#6 n-Tetradecane (C14)

R.T.: 8.151 min
Delta R.T.: 0.005 min
Response: 2504388
Conc: 19.44 ug/ml



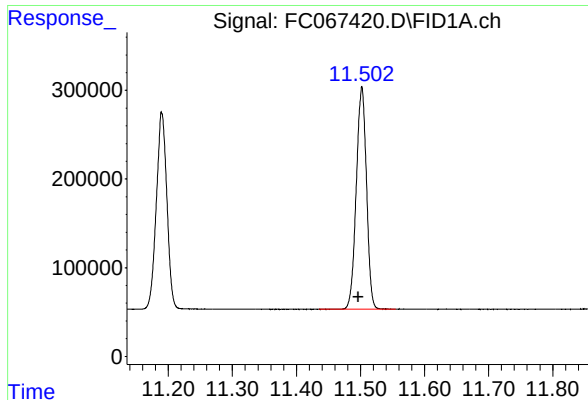
#7 n-Hexadecane (C16)

R.T.: 9.750 min
Delta R.T.: 0.005 min
Response: 2530122
Conc: 19.01 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.190 min
Delta R.T.: 0.004 min
Response: 2519673
Conc: 18.58 ug/ml



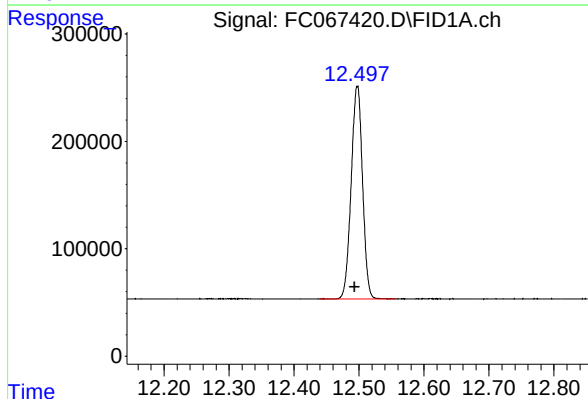
#9 ortho-Terphenyl (SURR)

R.T.: 11.502 min
Delta R.T.: 0.005 min
Response: 2783627
Conc: 18.29 ug/ml

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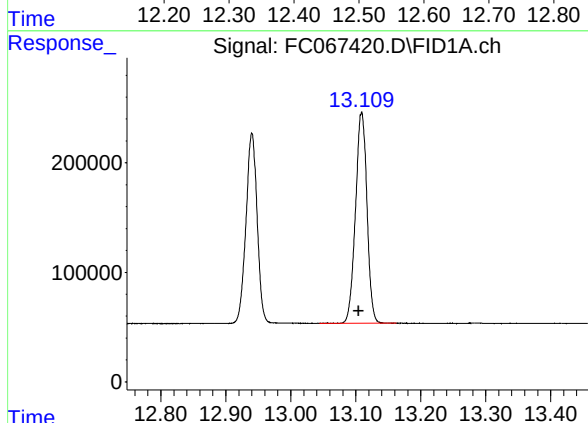
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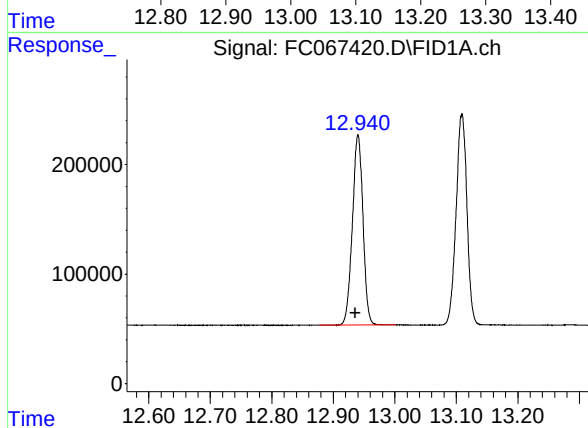
#10 n-Eicosane (C20)

R.T.: 12.497 min
Delta R.T.: 0.004 min
Response: 2408559
Conc: 18.45 ug/ml



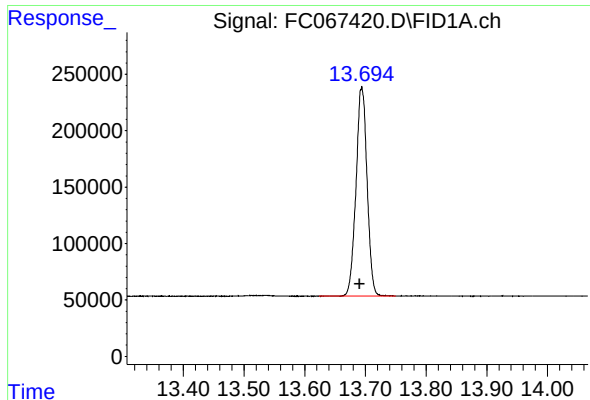
#11 n-Heneicosane (C21)

R.T.: 13.109 min
Delta R.T.: 0.005 min
Response: 2363056
Conc: 18.42 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.940 min
Delta R.T.: 0.005 min
Response: 2075097
Conc: 18.33 ug/ml



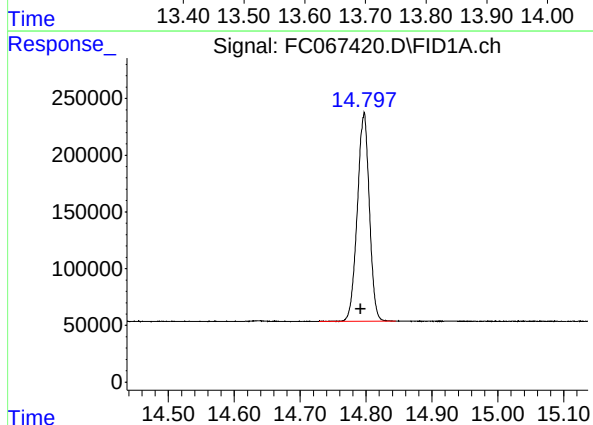
#13 n-Docosane (C22)

R.T.: 13.694 min
Delta R.T.: 0.004 min
Response: 2348236
Conc: 18.39 ug/ml

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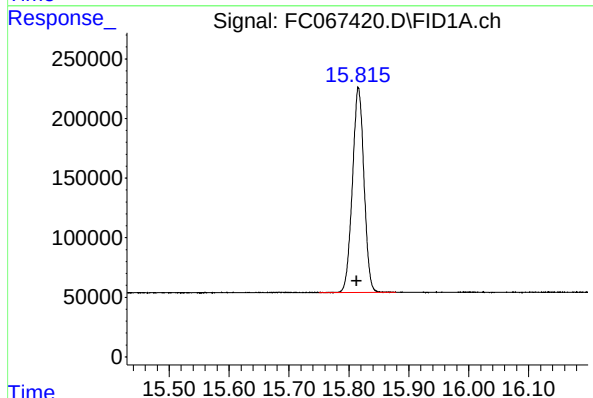
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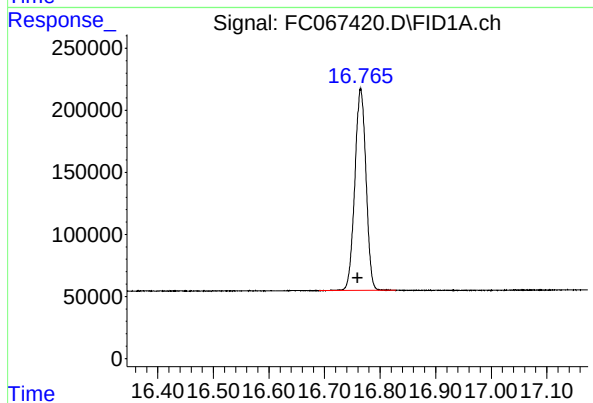
#14 n-Tetracosane (C24)

R.T.: 14.797 min
Delta R.T.: 0.005 min
Response: 2333056
Conc: 18.24 ug/ml



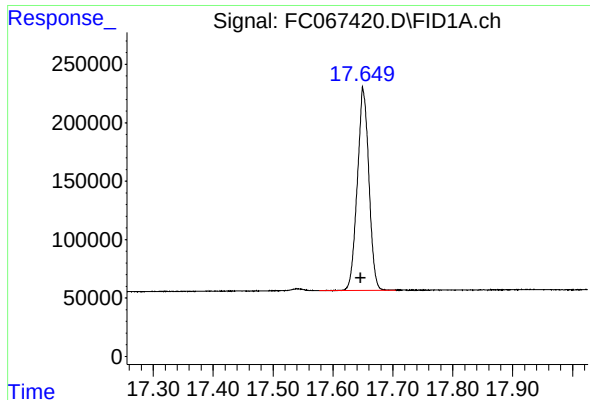
#15 n-Hexacosane (C26)

R.T.: 15.816 min
Delta R.T.: 0.004 min
Response: 2303623
Conc: 18.27 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.765 min
Delta R.T.: 0.005 min
Response: 2275689
Conc: 18.11 ug/ml



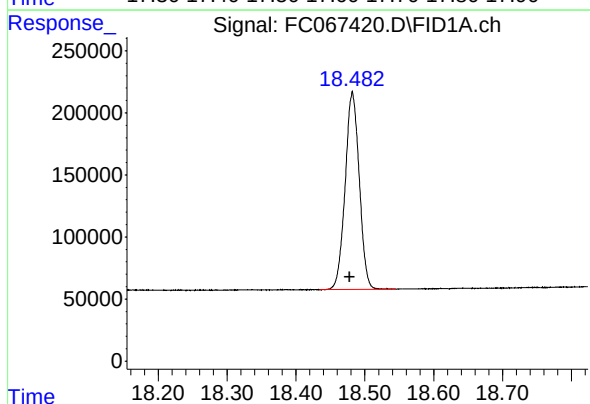
#17 n-Tricontane (C30)

R.T.: 17.651 min
Delta R.T.: 0.005 min
Response: 2320514
Conc: 18.01 ug/ml

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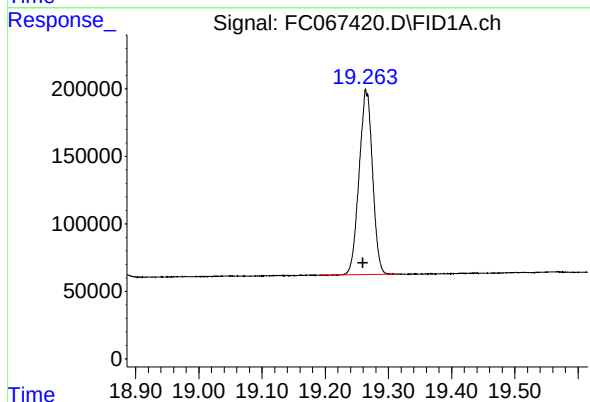
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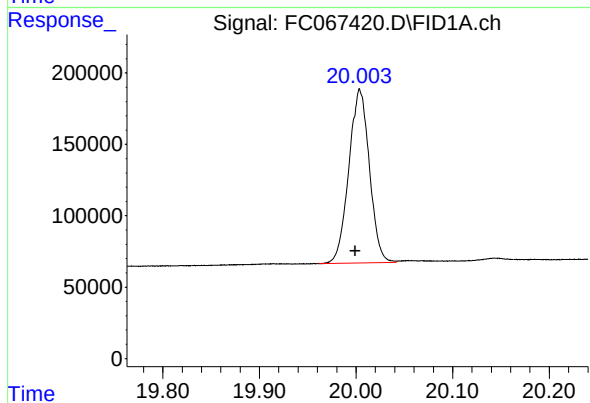
#18 n-Dotriacontane (C32)

R.T.: 18.482 min
Delta R.T.: 0.004 min
Response: 2265647
Conc: 18.14 ug/ml



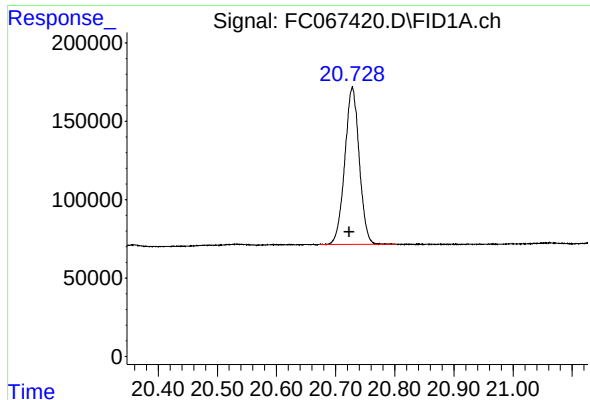
#19 n-Tetratriacontane (C34)

R.T.: 19.265 min
Delta R.T.: 0.005 min
Response: 2017160
Conc: 18.46 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.003 min
Delta R.T.: 0.004 min
Response: 1791495
Conc: 18.95 ug/ml m



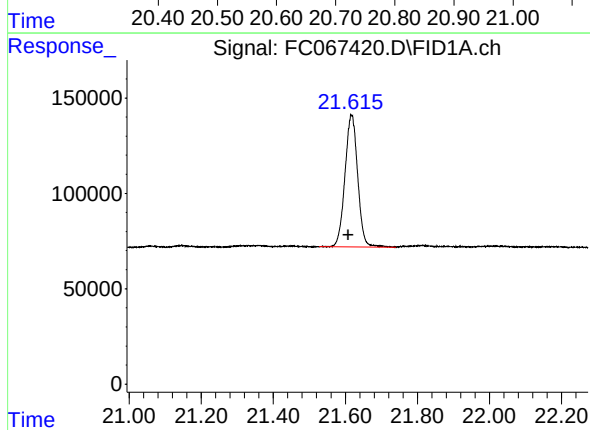
#21 n-Octatriacontane (C38)

R.T.: 20.728 min
Delta R.T.: 0.005 min
Response: 1702883
Conc: 19.42 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.617 min
Delta R.T.: 0.010 min
Response: 1698314
Conc: 19.74 ug/ml