

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041924AL\
 Data File : FC066220.D
 Signal(s) : FID1A.ch
 Acq On : 19 Apr 2024 07:26
 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 04/22/2024
 Supervised By :Ankita Jodhani 04/22/2024

Integration File: autoint1.e
 Quant Time: Apr 20 01:19:46 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 041524.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 16 08:19:15 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)	11.566	2888291	20.916 ug/ml
Spiked Amount 50.000		Recovery =	41.83%
12) S 1-chlorooctadecane (S...	13.006	2127465	21.682 ug/ml
Spiked Amount 50.000		Recovery =	43.36%
Target Compounds			
1) T n-Nonane (C9)	3.320	2642156	20.524 ug/ml
2) T n-Decane (C10)	4.389	2744979	21.052 ug/ml
3) T A~Naphthalene (C11.7)	5.973	2992730	20.866 ug/ml
4) T n-Dodecane (C12)	6.410	2701396	20.863 ug/ml
5) T A~2-methylnaphthalene...	7.030	2856527	20.744 ug/ml
6) T n-Tetradecane (C14)	8.207	2624699	20.853 ug/ml
7) T n-Hexadecane (C16)	9.808	2697671	21.179 ug/ml
8) T n-Octadecane (C18)	11.252	2703197	21.237 ug/ml
10) T n-Eicosane (C20)	12.562	2581708	21.423 ug/ml
11) T n-Heneicosane (C21)	13.175	2538654	21.455 ug/ml
13) T n-Docosane (C22)	13.761	2537140	21.612 ug/ml
14) T n-Tetracosane (C24)	14.864	2537285	21.747 ug/ml
15) T n-Hexacosane (C26)	15.886	2509488	21.829 ug/ml
16) T n-Octacosane (C28)	16.836	2522201	22.255 ug/ml
17) T n-Tricontane (C30)	17.724	2610575	22.535 ug/ml
18) T n-Dotriacontane (C32)	18.558	2618209	22.804 ug/ml
19) T n-Tetratriacontane (C34)	19.342	2484707	22.625 ug/ml
20) T n-Hexatriacontane (C36)	20.081	2338833	22.659 ug/mlm
21) T n-Octatriacontane (C38)	20.822	2153930	22.095 ug/mlm
22) T n-Tetracontane (C40)	21.732	1839008	20.323 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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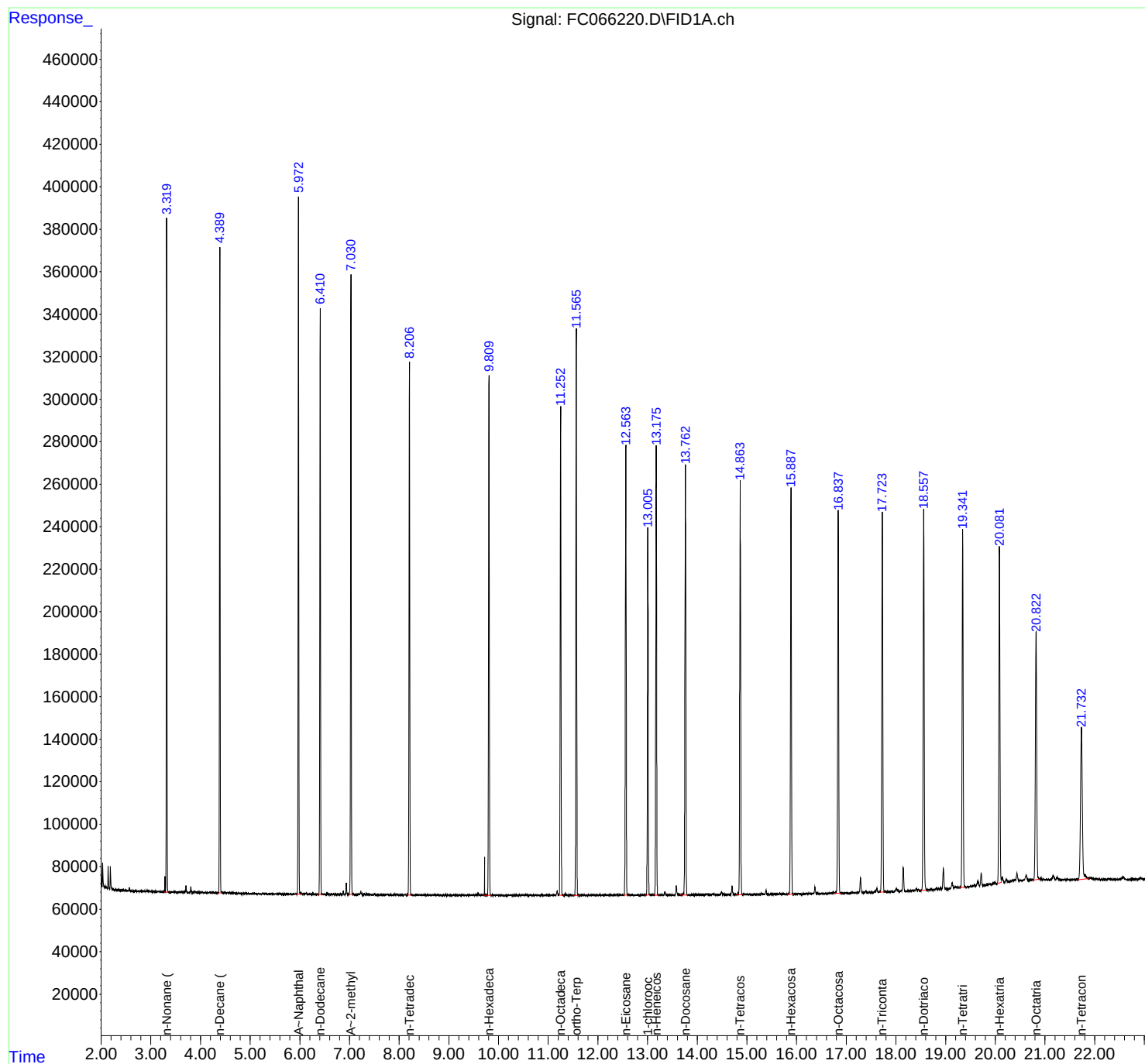
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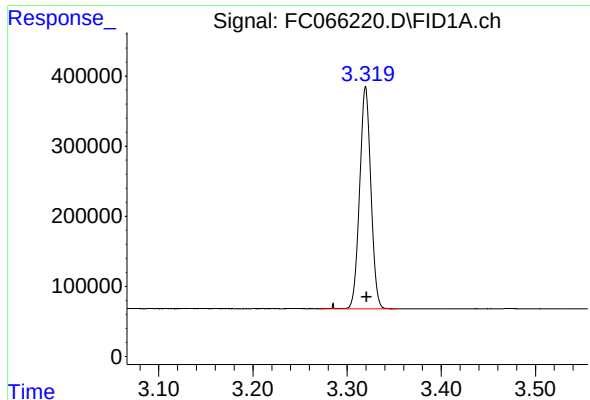
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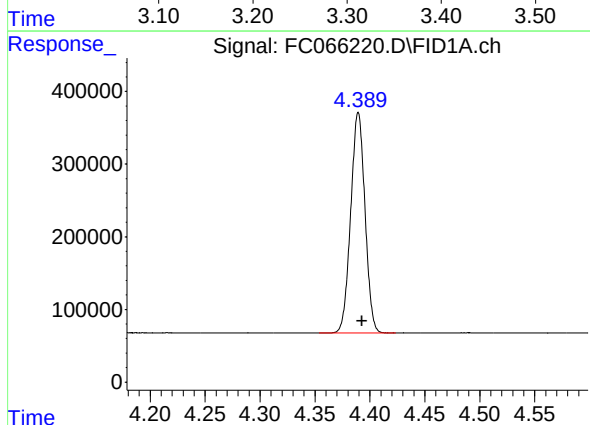
#1 n-Nonane (C9)

R.T.: 3.320 min
Delta R.T.: -0.001 min
Response: 2642156
Conc: 20.52 ug/ml

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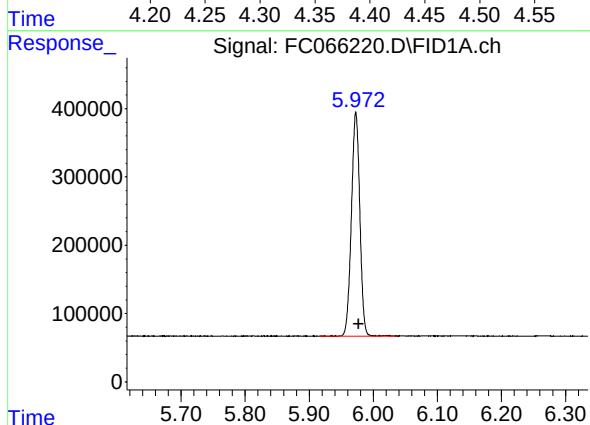
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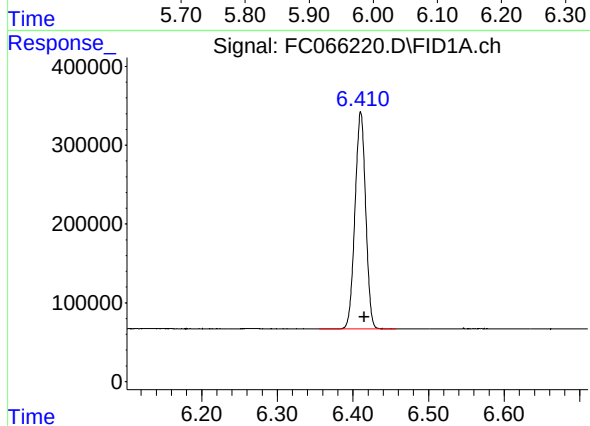
#2 n-Decane (C10)

R.T.: 4.389 min
Delta R.T.: -0.003 min
Response: 2744979
Conc: 21.05 ug/ml



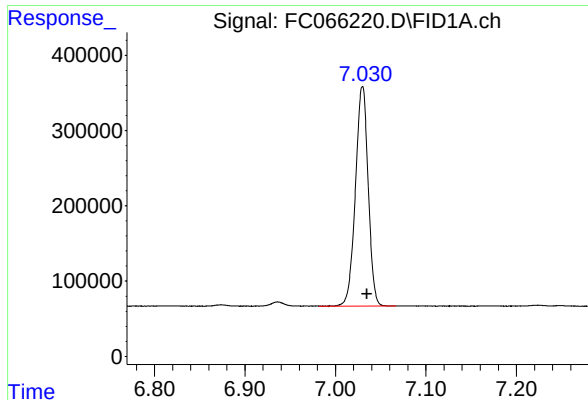
#3 n-Undecane (C11.7)

R.T.: 5.973 min
Delta R.T.: -0.005 min
Response: 2992730
Conc: 20.87 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.410 min
Delta R.T.: -0.005 min
Response: 2701396
Conc: 20.86 ug/ml



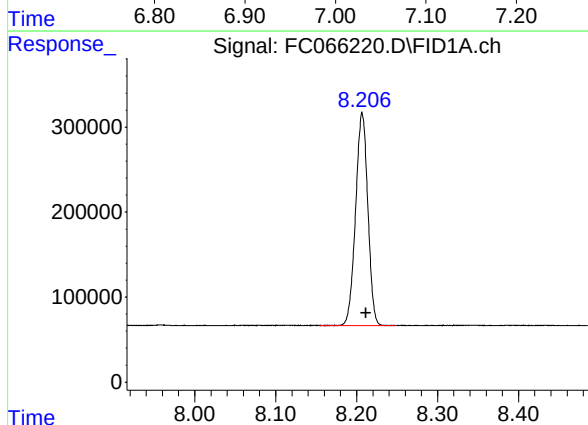
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.030 min
Delta R.T.: -0.005 min
Response: 2856527
Conc: 20.74 ug/ml

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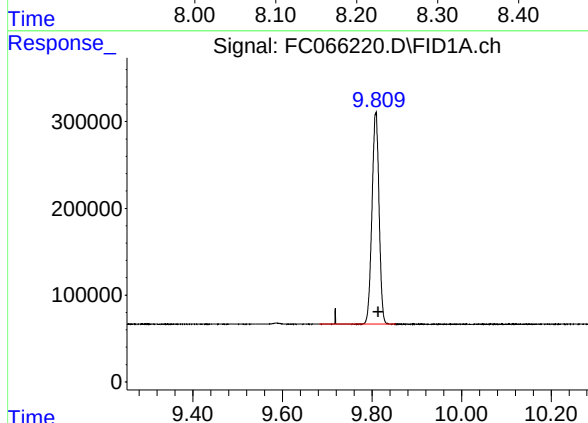
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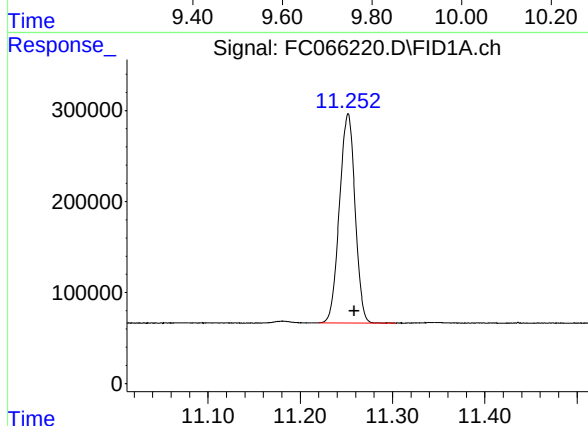
#6 n-Tetradecane (C14)

R.T.: 8.207 min
Delta R.T.: -0.005 min
Response: 2624699
Conc: 20.85 ug/ml



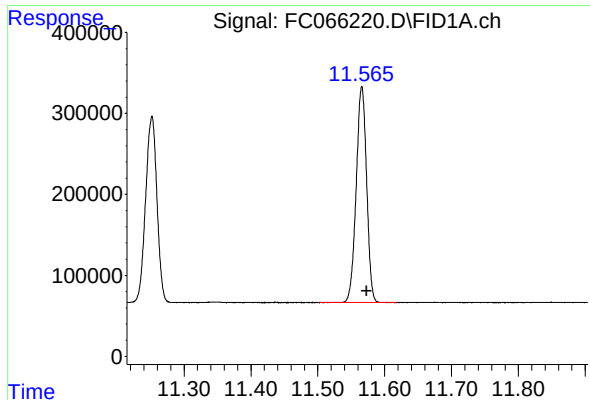
#7 n-Hexadecane (C16)

R.T.: 9.808 min
Delta R.T.: -0.006 min
Response: 2697671
Conc: 21.18 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.252 min
Delta R.T.: -0.007 min
Response: 2703197
Conc: 21.24 ug/ml



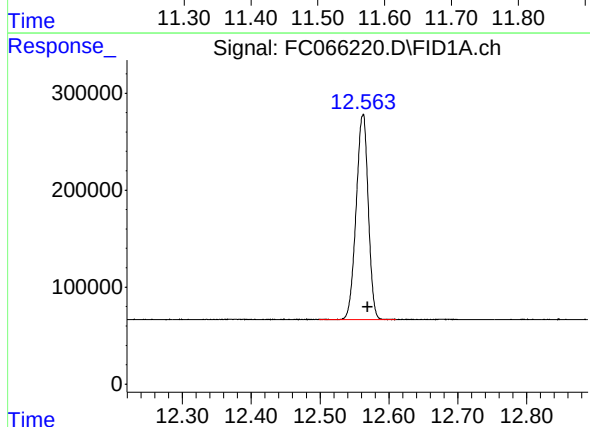
#9 ortho-Terphenyl (SURR)

R.T.: 11.566 min
Delta R.T.: -0.007 min
Response: 2888291
Conc: 20.92 ug/ml

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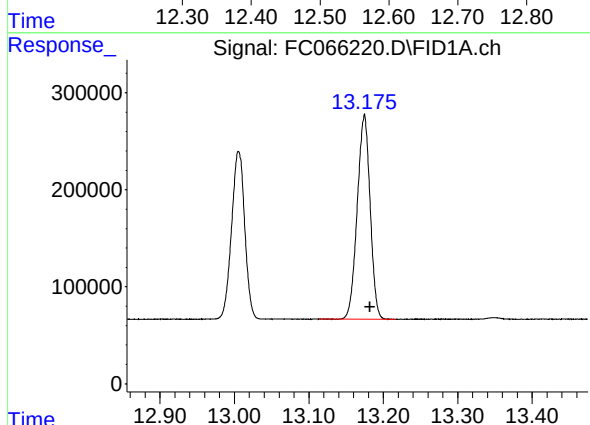
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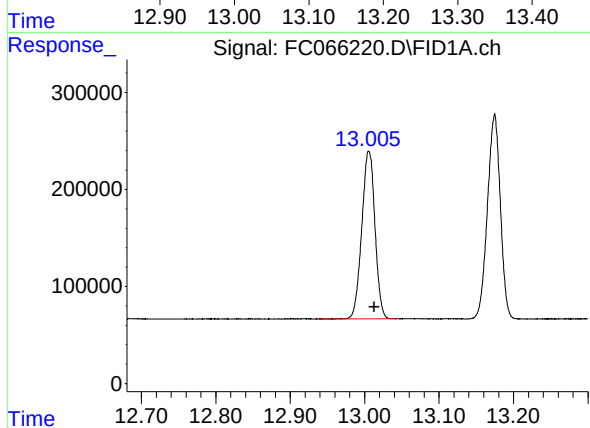
#10 n-Eicosane (C20)

R.T.: 12.562 min
Delta R.T.: -0.007 min
Response: 2581708
Conc: 21.42 ug/ml



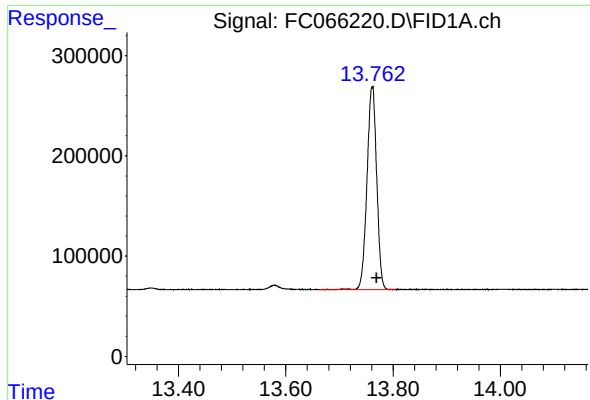
#11 n-Heneicosane (C21)

R.T.: 13.175 min
Delta R.T.: -0.008 min
Response: 2538654
Conc: 21.46 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.006 min
Delta R.T.: -0.008 min
Response: 2127465
Conc: 21.68 ug/ml



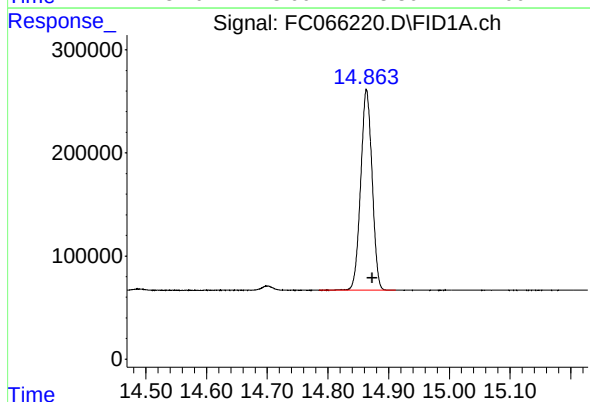
#13 n-Docosane (C22)

R.T.: 13.761 min
Delta R.T.: -0.008 min
Response: 2537140
Conc: 21.61 ug/ml

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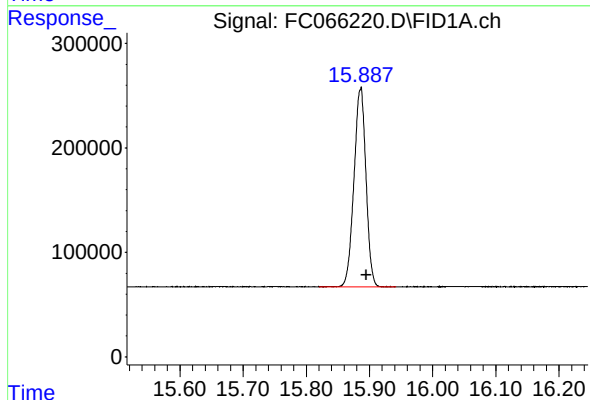
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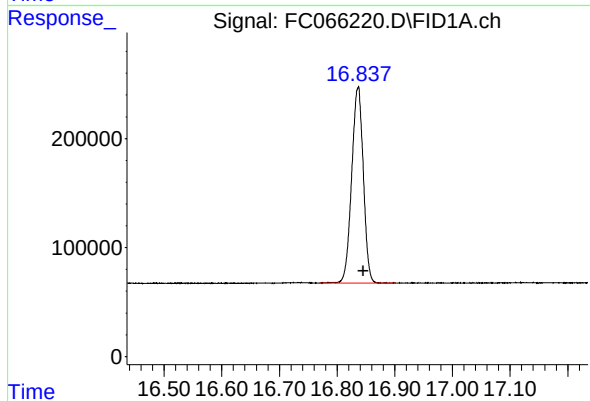
#14 n-Tetracosane (C24)

R.T.: 14.864 min
Delta R.T.: -0.009 min
Response: 2537285
Conc: 21.75 ug/ml



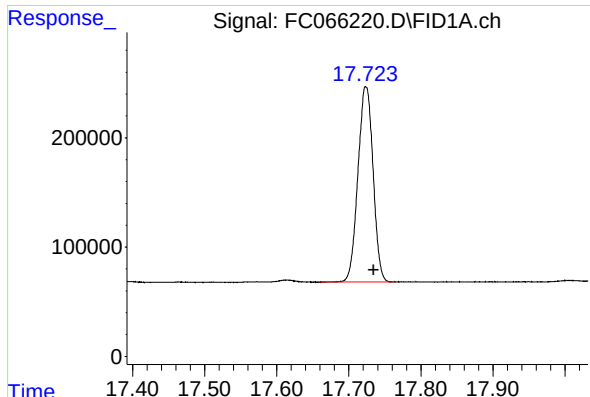
#15 n-Hexacosane (C26)

R.T.: 15.886 min
Delta R.T.: -0.009 min
Response: 2509488
Conc: 21.83 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.836 min
Delta R.T.: -0.009 min
Response: 2522201
Conc: 22.26 ug/ml



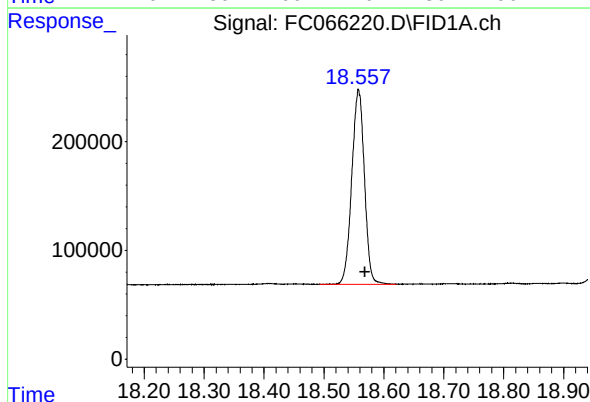
#17 n-Tricontane (C30)

R.T.: 17.724 min
Delta R.T.: -0.011 min
Response: 2610575
Conc: 22.53 ug/ml

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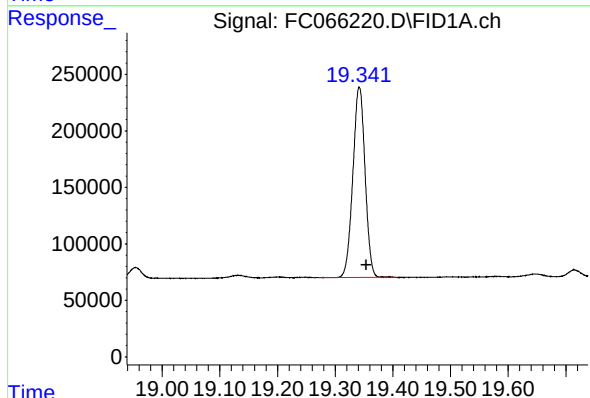
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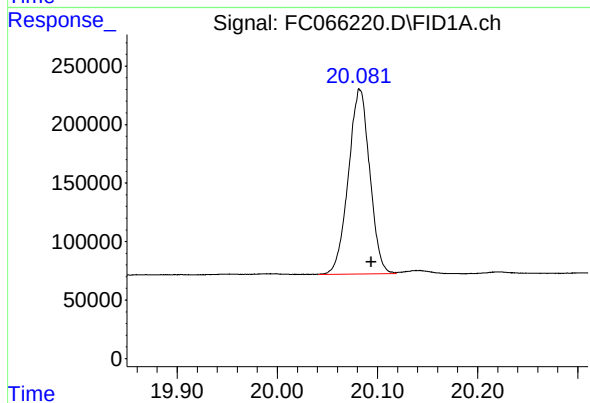
#18 n-Dotriacontane (C32)

R.T.: 18.558 min
Delta R.T.: -0.010 min
Response: 2618209
Conc: 22.80 ug/ml



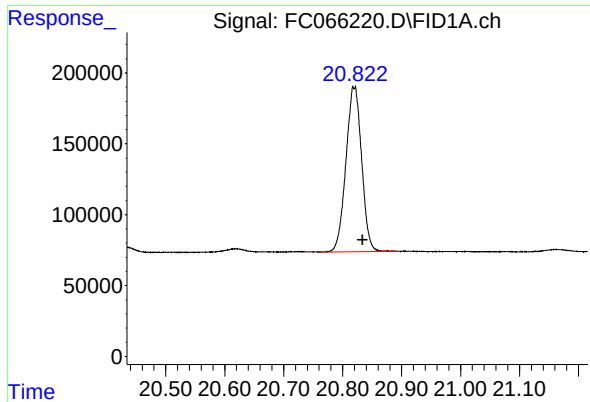
#19 n-Tetratriacontane (C34)

R.T.: 19.342 min
Delta R.T.: -0.012 min
Response: 2484707
Conc: 22.62 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.081 min
Delta R.T.: -0.013 min
Response: 2338833
Conc: 22.66 ug/ml m



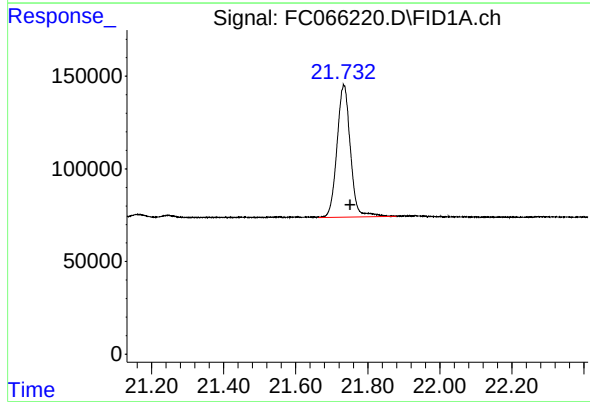
#21 n-Octatriacontane (C38)

R.T.: 20.822 min
Delta R.T.: -0.012 min
Response: 2153930
Conc: 22.10 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.732 min
Delta R.T.: -0.020 min
Response: 1839008
Conc: 20.32 ug/ml m