

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080322AL\
 Data File : FC060967.D
 Signal(s) : FID1A.ch
 Acq On : 03 Aug 2022 09:48
 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 08/04/2022
 Supervised By :Ankita Jodhani 08/04/2022

Integration File: autoint1.e
 Quant Time: Aug 03 22:17:00 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 072522.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 25 19:40:54 2022
 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)	10.634	3101588	18.900 ug/ml
Spiked Amount 50.000		Recovery =	37.80%
12) S 1-chlorooctadecane (S...	11.998	2470595	18.610 ug/ml
Spiked Amount 50.000		Recovery =	37.22%
Target Compounds			
1) T n-Nonane (C9)	2.627	2886947	20.498 ug/ml
2) T n-Decane (C10)	3.621	2963941	21.011 ug/ml
3) T A~Naphthalene (C11.7)	5.162	3035974	21.358 ug/ml
4) T n-Dodecane (C12)	5.567	3074431	20.743 ug/ml
5) T A~2-methylnaphthalene...	6.185	2950975	21.516 ug/ml
6) T n-Tetradecane (C14)	7.316	3081168	20.523 ug/ml
7) T n-Hexadecane (C16)	8.878	3084629	20.156 ug/ml
8) T n-Octadecane (C18)	10.285	3065426	19.631 ug/ml
10) T n-Eicosane (C20)	11.562	2990607	19.057 ug/ml
11) T n-Heneicosane (C21)	12.160	2937358	18.773 ug/ml
13) T n-Docosane (C22)	12.732	2891220	18.543 ug/ml
14) T n-Tetracosane (C24)	13.809	2757301	18.061 ug/ml
15) T n-Hexacosane (C26)	14.804	2638167	17.674 ug/ml
16) T n-Octacosane (C28)	15.732	2584337	18.035 ug/ml
17) T n-Tricontane (C30)	16.598	2734953	19.535 ug/ml
18) T n-Dotriacontane (C32)	17.412	2817306	20.875 ug/ml
19) T n-Tetratriacontane (C34)	18.178	2692630	21.469 ug/mlm
20) T n-Hexatriacontane (C36)	18.896	2651991	21.696 ug/mlm
21) T n-Octatriacontane (C38)	19.578	2572726	21.798 ug/mlm
22) T n-Tetracontane (C40)	20.224	2510078	21.809 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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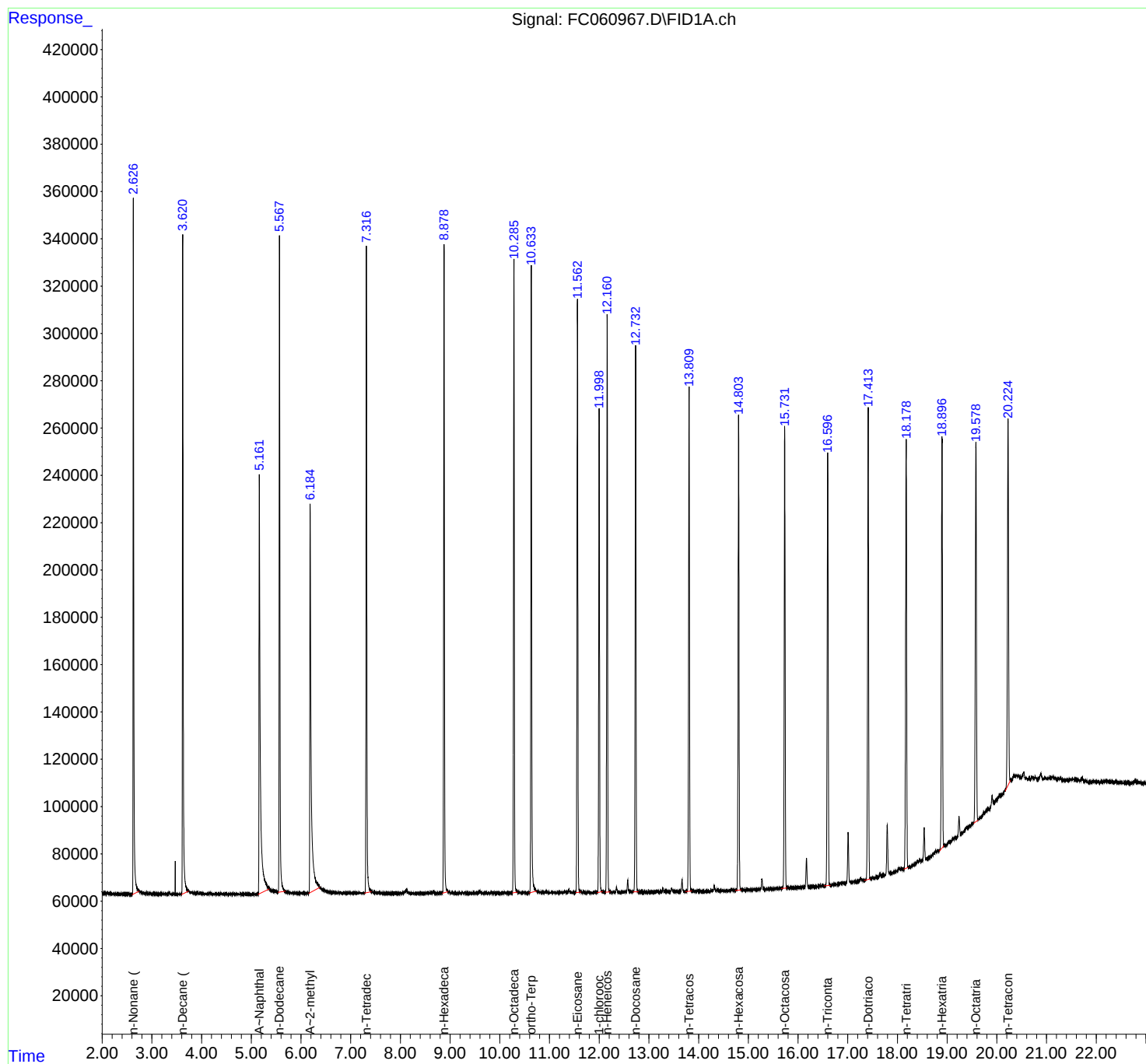
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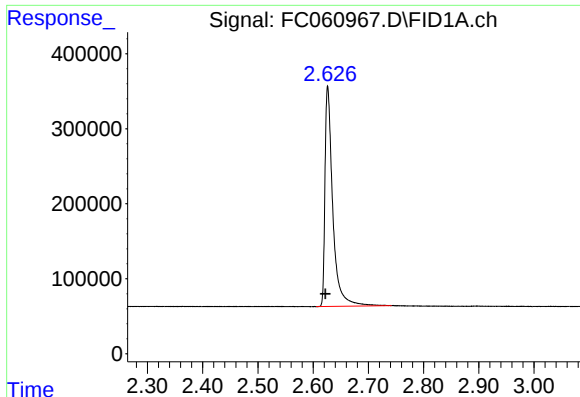
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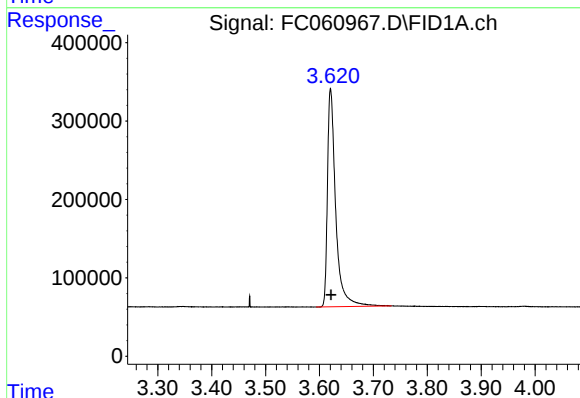
#1 n-Nonane (C9)

R.T.: 2.627 min
Delta R.T.: 0.005 min
Response: 2886947
Conc: 20.50 ug/ml

Instrument :
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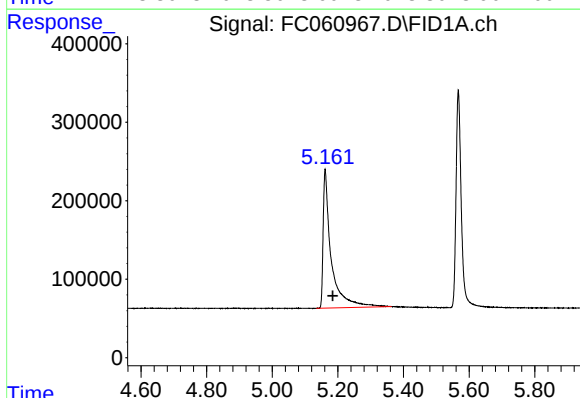
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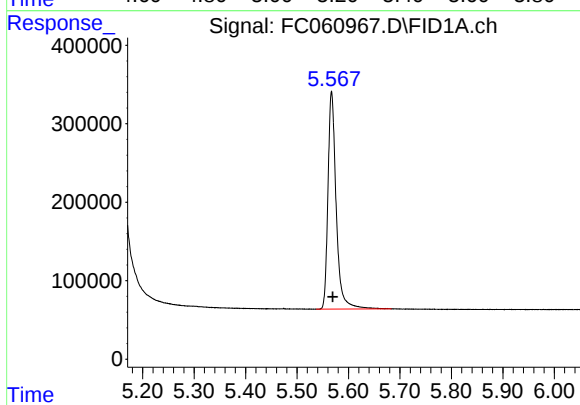
#2 n-Decane (C10)

R.T.: 3.621 min
Delta R.T.: 0.000 min
Response: 2963941
Conc: 21.01 ug/ml



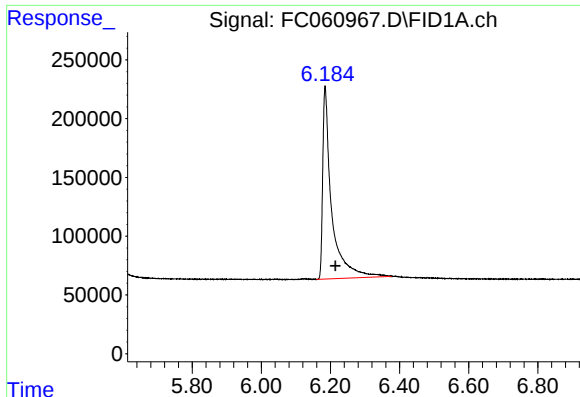
#3 A~Naphthalene (C11.7)

R.T.: 5.162 min
Delta R.T.: -0.023 min
Response: 3035974
Conc: 21.36 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.567 min
Delta R.T.: -0.002 min
Response: 3074431
Conc: 20.74 ug/ml



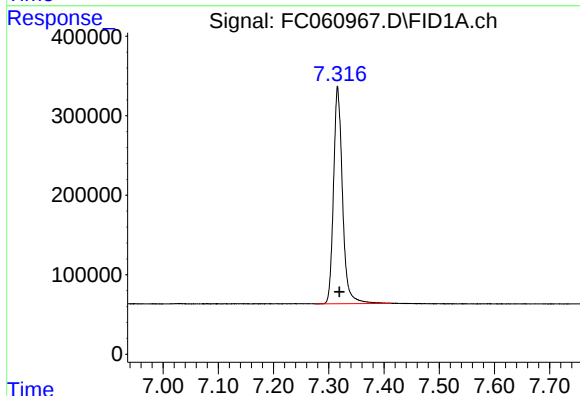
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.185 min
Delta R.T.: -0.030 min
Response: 2950975
Conc: 21.52 ug/ml

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20 PPM ALIPHATIC HC STD

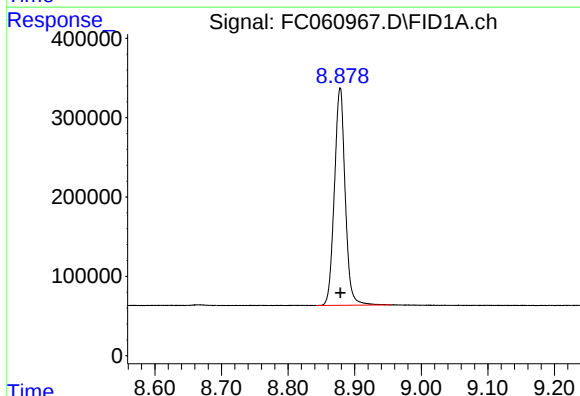
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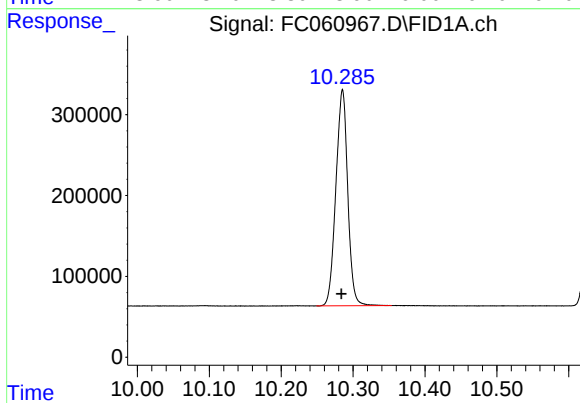
#6 n-Tetradecane (C14)

R.T.: 7.316 min
Delta R.T.: -0.003 min
Response: 3081168
Conc: 20.52 ug/ml



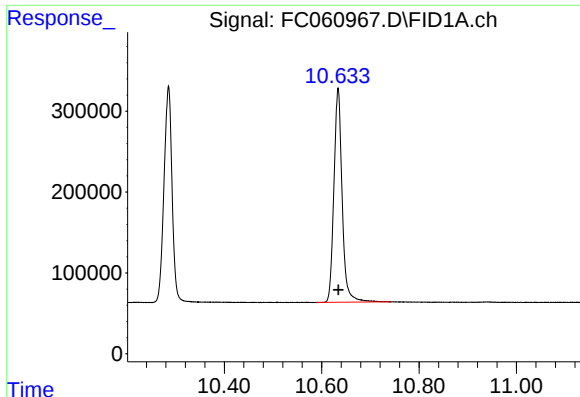
#7 n-Hexadecane (C16)

R.T.: 8.878 min
Delta R.T.: 0.000 min
Response: 3084629
Conc: 20.16 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.285 min
Delta R.T.: 0.001 min
Response: 3065426
Conc: 19.63 ug/ml



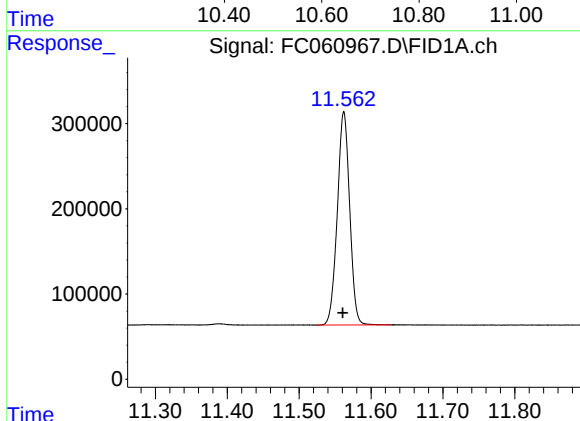
#9 ortho-Terphenyl (SURR)

R.T.: 10.634 min
Delta R.T.: -0.001 min
Response: 3101588
Conc: 18.90 ug/ml

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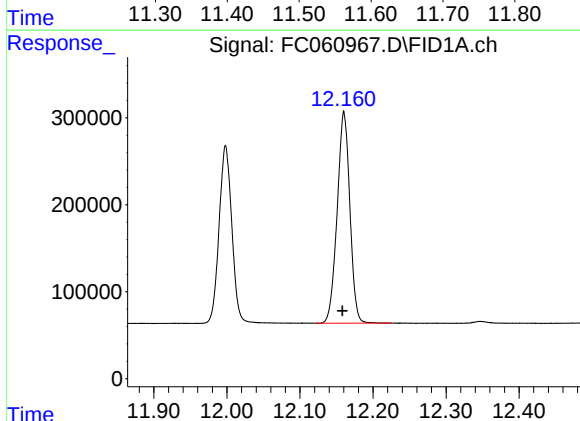
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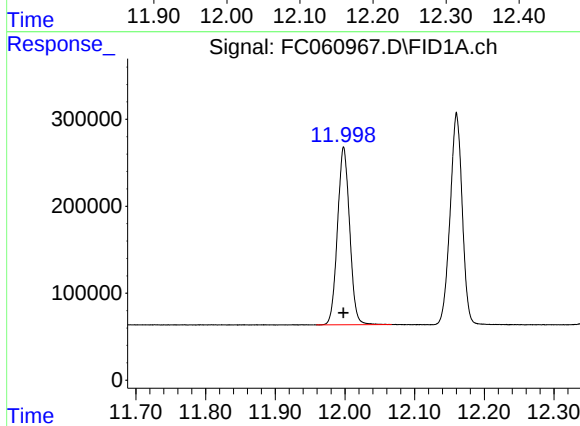
#10 n-Eicosane (C20)

R.T.: 11.562 min
Delta R.T.: 0.001 min
Response: 2990607
Conc: 19.06 ug/ml



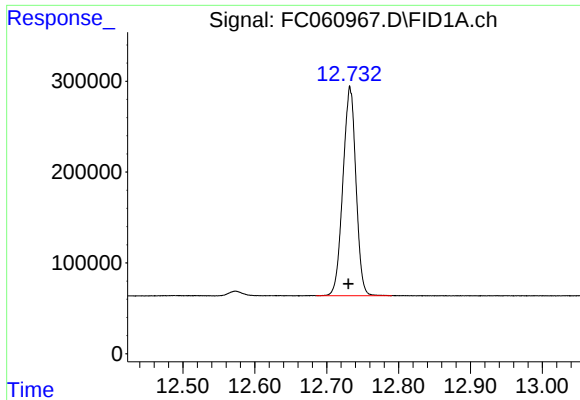
#11 n-Heneicosane (C21)

R.T.: 12.160 min
Delta R.T.: 0.002 min
Response: 2937358
Conc: 18.77 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 11.998 min
Delta R.T.: 0.000 min
Response: 2470595
Conc: 18.61 ug/ml



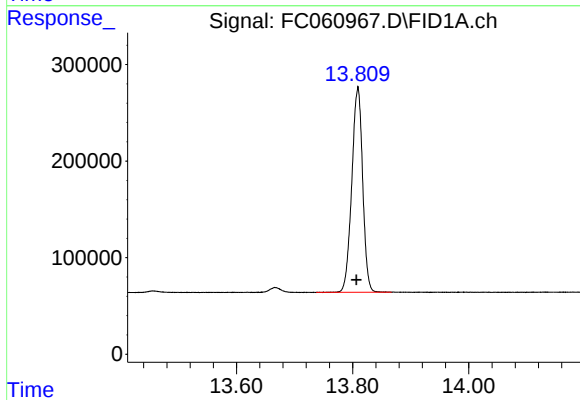
#13 n-Docosane (C22)

R.T.: 12.732 min
Delta R.T.: 0.002 min
Response: 2891220
Conc: 18.54 ug/ml

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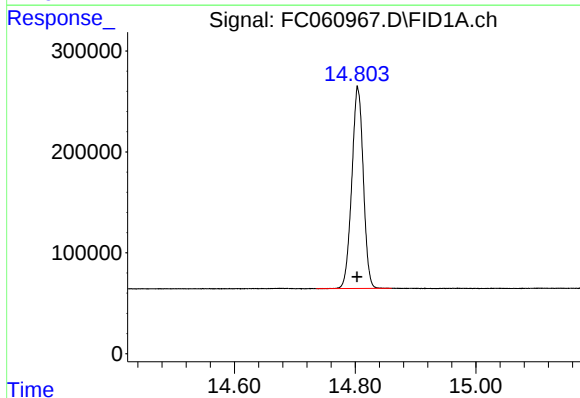
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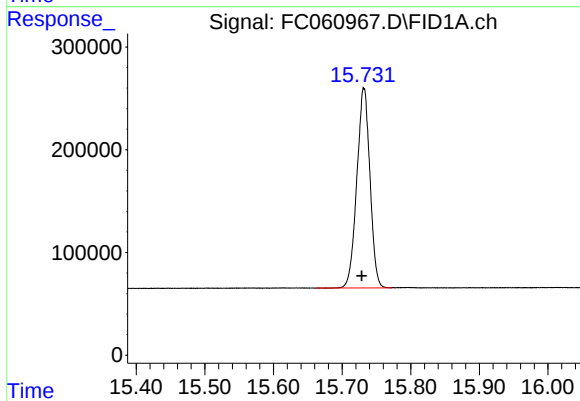
#14 n-Tetracosane (C24)

R.T.: 13.809 min
Delta R.T.: 0.002 min
Response: 2757301
Conc: 18.06 ug/ml



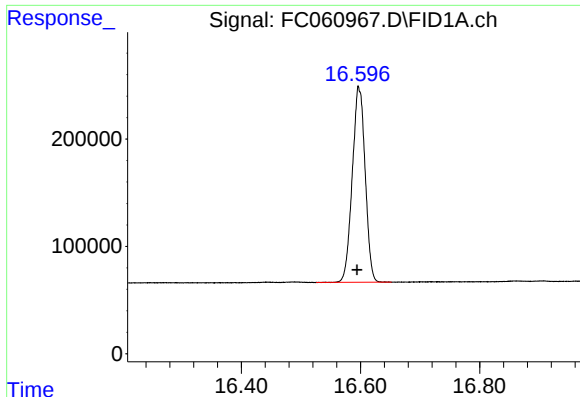
#15 n-Hexacosane (C26)

R.T.: 14.804 min
Delta R.T.: 0.001 min
Response: 2638167
Conc: 17.67 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.732 min
Delta R.T.: 0.003 min
Response: 2584337
Conc: 18.04 ug/ml



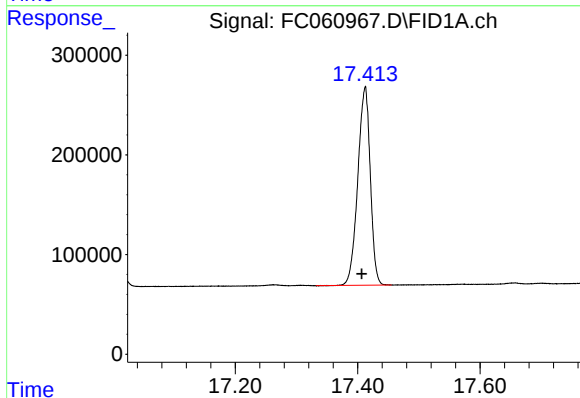
#17 n-Tricontane (C30)

R.T.: 16.598 min
Delta R.T.: 0.003 min
Response: 2734953
Conc: 19.54 ug/ml

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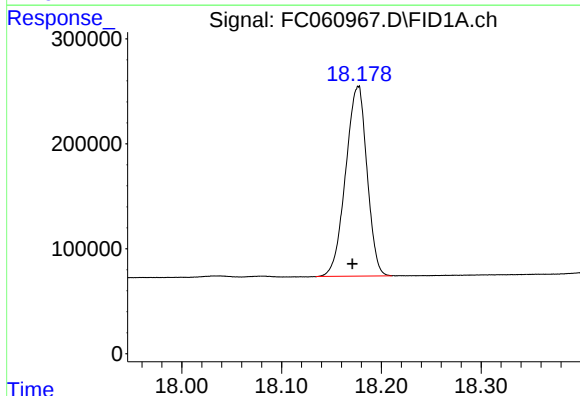
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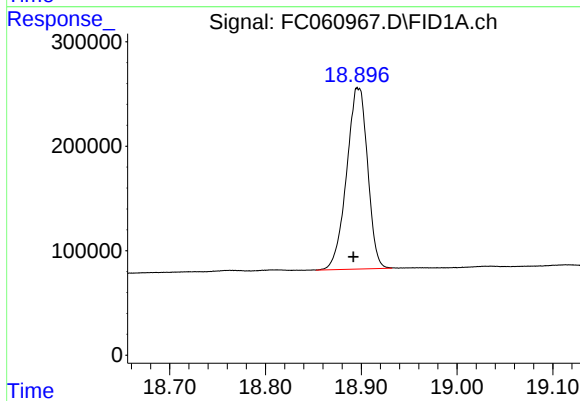
#18 n-Dotriacontane (C32)

R.T.: 17.412 min
Delta R.T.: 0.005 min
Response: 2817306
Conc: 20.87 ug/ml



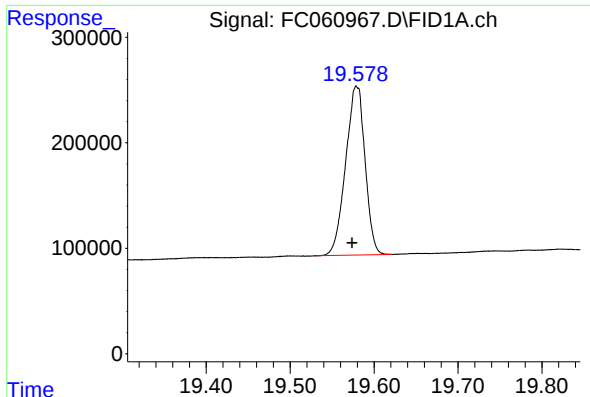
#19 n-Tetratriacontane (C34)

R.T.: 18.178 min
Delta R.T.: 0.007 min
Response: 2692630
Conc: 21.47 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 18.896 min
Delta R.T.: 0.004 min
Response: 2651991
Conc: 21.70 ug/ml m



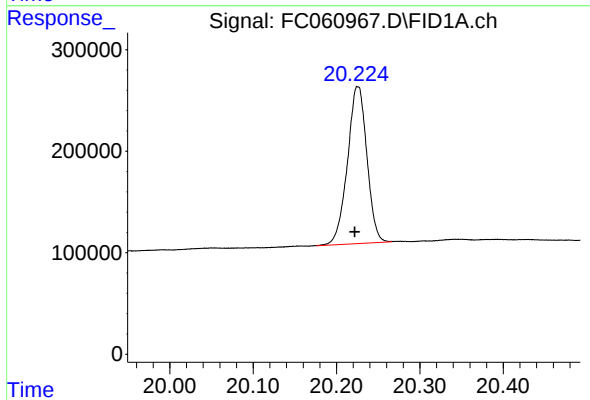
#21 n-Octatriacontane (C38)

R.T.: 19.578 min
Delta R.T.: 0.004 min
Response: 2572726
Conc: 21.80 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.224 min
Delta R.T.: 0.002 min
Response: 2510078
Conc: 21.81 ug/ml m