

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F103124AL\
 Data File : FC067600.D
 Signal(s) : FID1A.ch
 Acq On : 31 Oct 2024 17:42
 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 11/01/2024
 Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
 Quant Time: Nov 01 01:51:42 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 23 18:12:58 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)	11.493	2866826	19.538 ug/ml
Spiked Amount 50.000		Recovery =	39.08%
12) S 1-chlorooctadecane (S...	12.932	2142769	19.843 ug/ml
Spiked Amount 50.000		Recovery =	39.69%
Target Compounds			
1) T n-Nonane (C9)	3.274	2596607	19.274 ug/ml
2) T n-Decane (C10)	4.338	2647375	19.431 ug/ml
3) T A~Naphthalene (C11.7)	5.915	2862780	19.319 ug/ml
4) T n-Dodecane (C12)	6.353	2653494	19.591 ug/ml
5) T A~2-methylnaphthalene...	6.970	2743754	19.429 ug/ml
6) T n-Tetradecane (C14)	8.145	2579841	19.654 ug/ml
7) T n-Hexadecane (C16)	9.742	2615888	19.802 ug/ml
8) T n-Octadecane (C18)	11.182	2630946	19.914 ug/ml
10) T n-Eicosane (C20)	12.489	2499488	19.809 ug/ml
11) T n-Heneicosane (C21)	13.100	2444567	19.808 ug/ml
13) T n-Docosane (C22)	13.685	2428241	19.831 ug/ml
14) T n-Tetracosane (C24)	14.786	2409580	19.879 ug/ml
15) T n-Hexacosane (C26)	15.805	2384381	20.027 ug/ml
16) T n-Octacosane (C28)	16.753	2415220	20.529 ug/ml
17) T n-Tricontane (C30)	17.639	2595056	21.470 ug/ml
18) T n-Dotriacontane (C32)	18.471	2608818	22.049 ug/ml
19) T n-Tetratriacontane (C34)	19.253	2286373	21.832 ug/ml
20) T n-Hexatriacontane (C36)	19.989	1939813	21.310 ug/ml
21) T n-Octatriacontane (C38)	20.713	1819992	21.016 ug/mlm
22) T n-Tetracontane (C40)	21.596	1759275	20.695 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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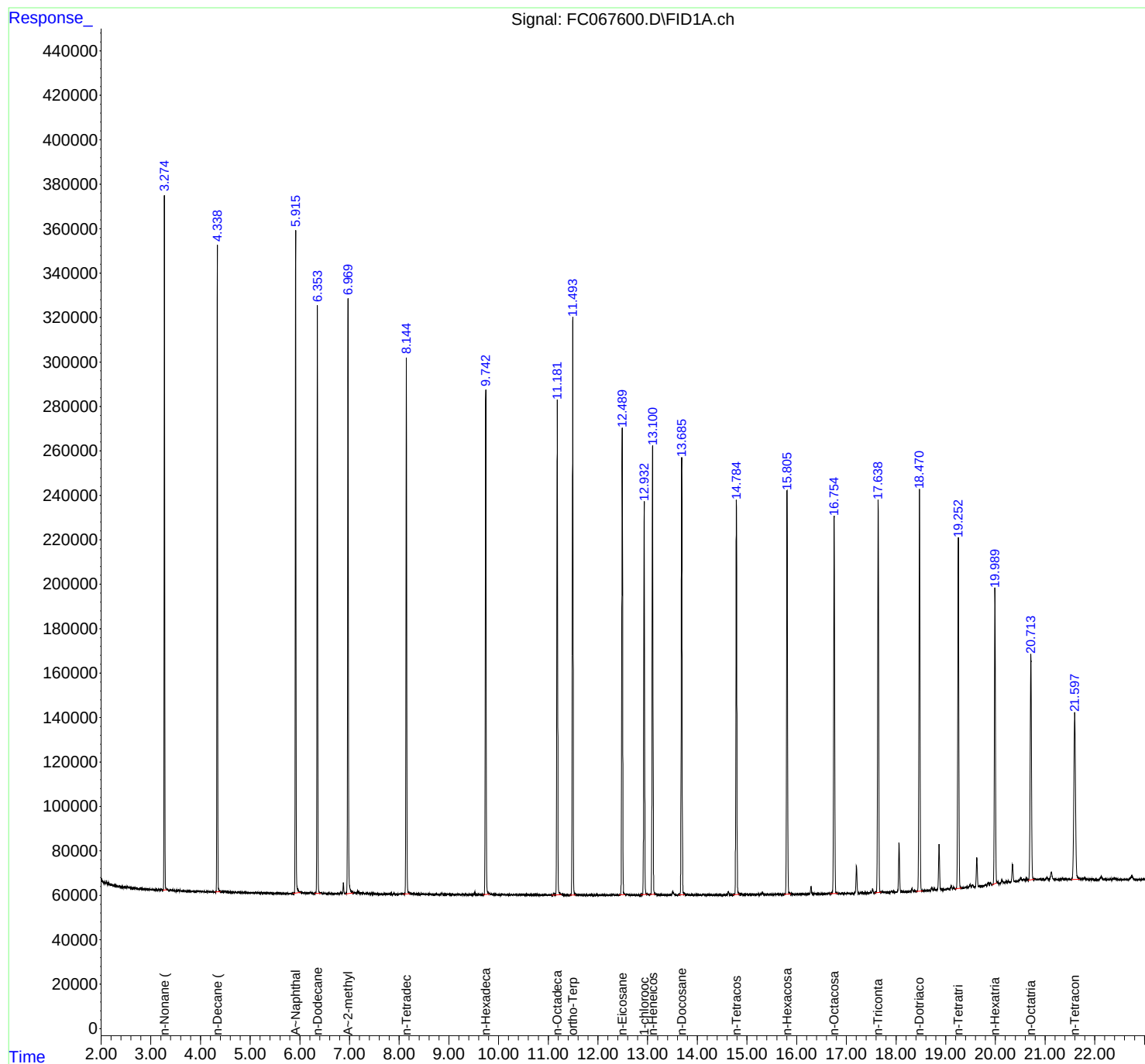
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20 PPM ALIPHATIC HC STD

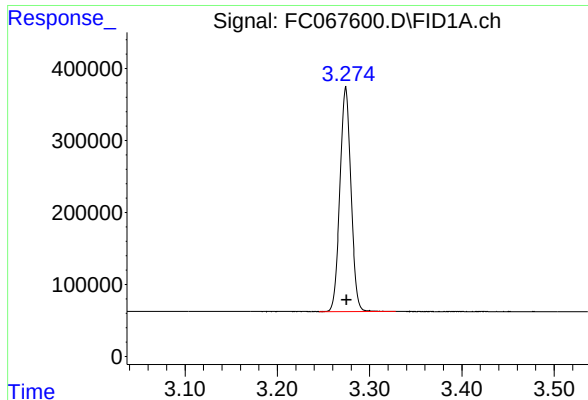
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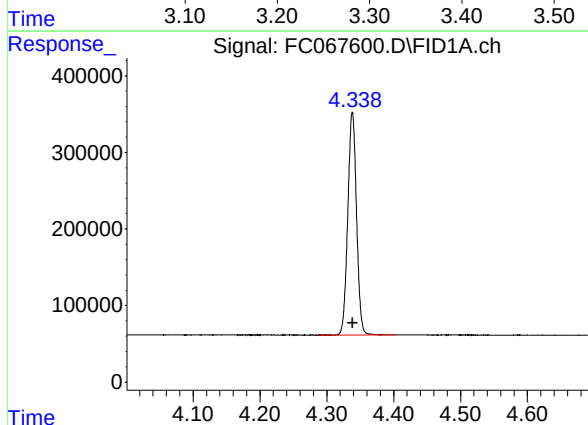
#1 n-Nonane (C9)

R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 2596607
Conc: 19.27 ug/ml

Instrument :
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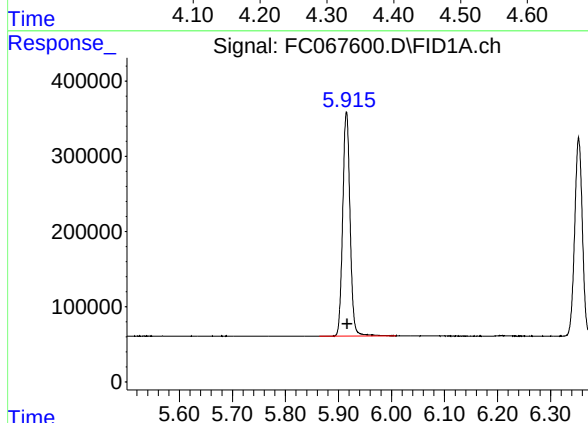
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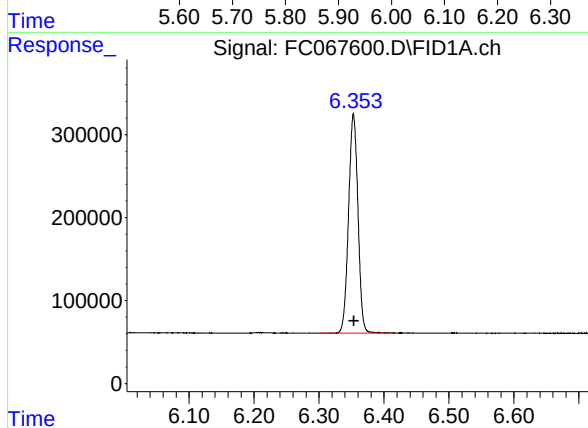
#2 n-Decane (C10)

R.T.: 4.338 min
Delta R.T.: 0.000 min
Response: 2647375
Conc: 19.43 ug/ml



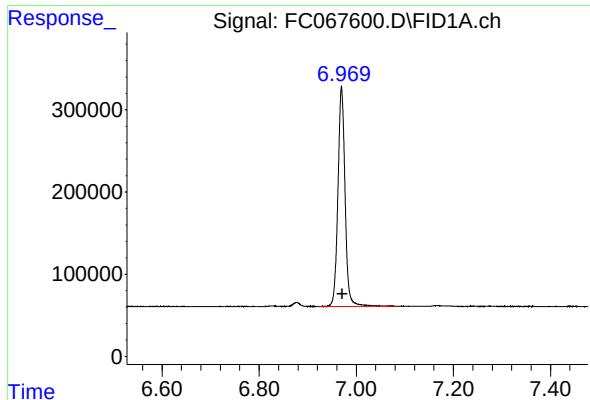
#3 A~Naphthalene (C11.7)

R.T.: 5.915 min
Delta R.T.: -0.002 min
Response: 2862780
Conc: 19.32 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.353 min
Delta R.T.: 0.000 min
Response: 2653494
Conc: 19.59 ug/ml



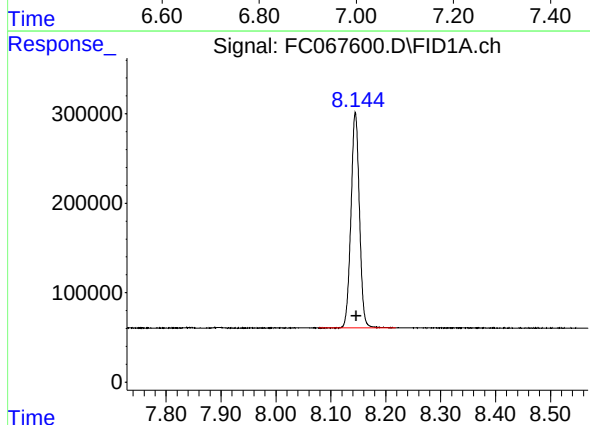
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.970 min
Delta R.T.: -0.001 min
Response: 2743754
Conc: 19.43 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

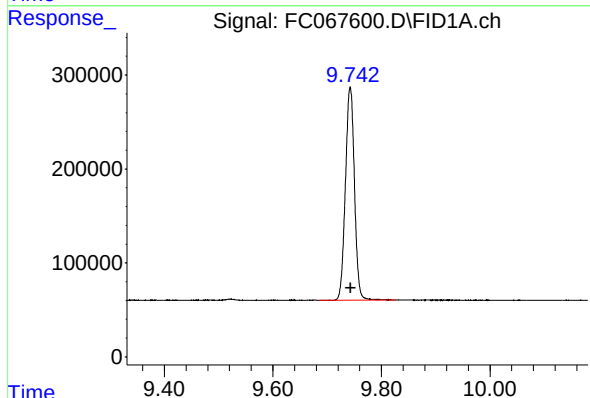
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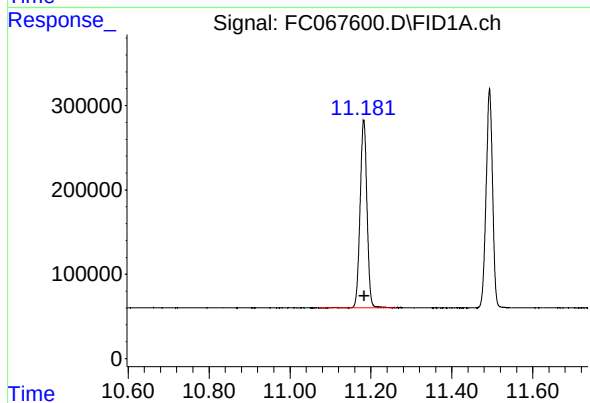
#6 n-Tetradecane (C14)

R.T.: 8.145 min
Delta R.T.: -0.001 min
Response: 2579841
Conc: 19.65 ug/ml



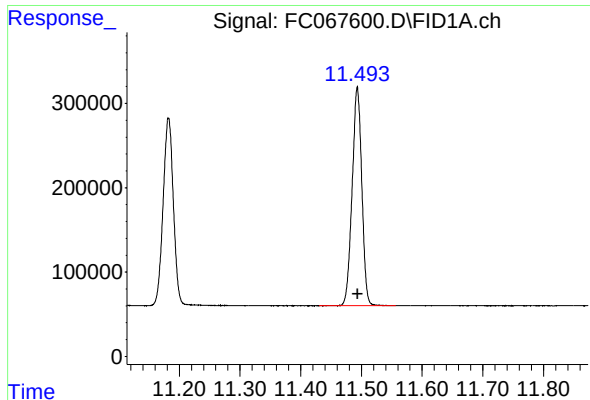
#7 n-Hexadecane (C16)

R.T.: 9.742 min
Delta R.T.: -0.001 min
Response: 2615888
Conc: 19.80 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.182 min
Delta R.T.: -0.001 min
Response: 2630946
Conc: 19.91 ug/ml



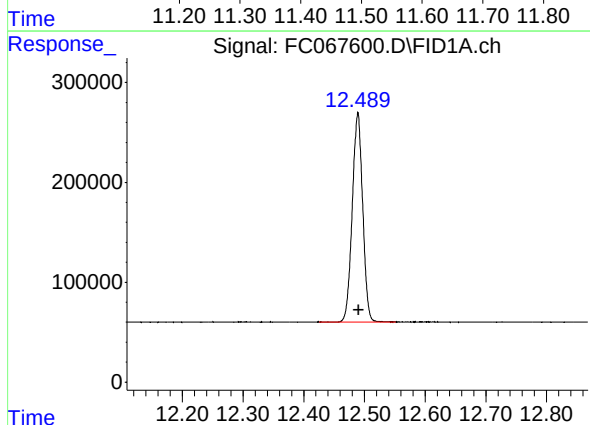
#9 ortho-Terphenyl (SURR)

R.T.: 11.493 min
Delta R.T.: 0.000 min
Response: 2866826
Conc: 19.54 ug/ml

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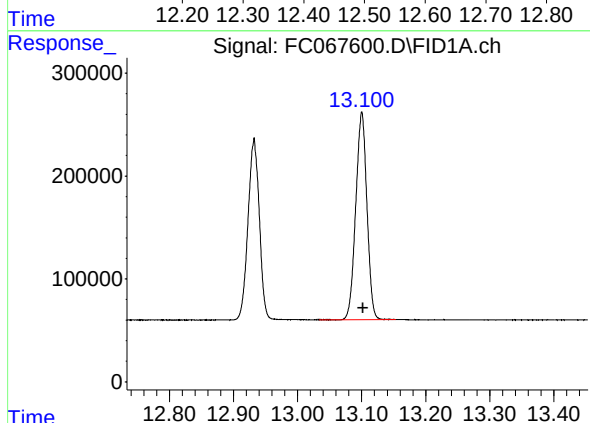
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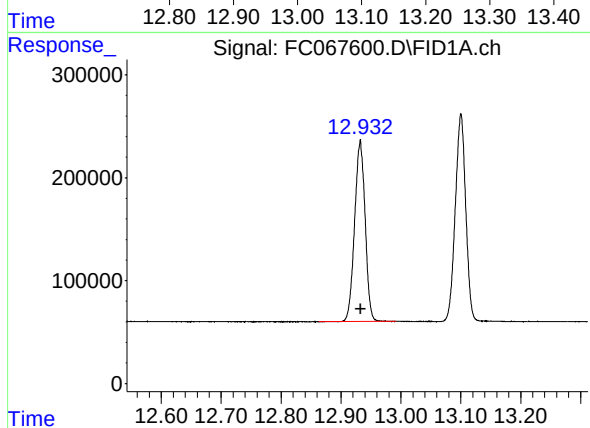
#10 n-Eicosane (C20)

R.T.: 12.489 min
Delta R.T.: -0.002 min
Response: 2499488
Conc: 19.81 ug/ml



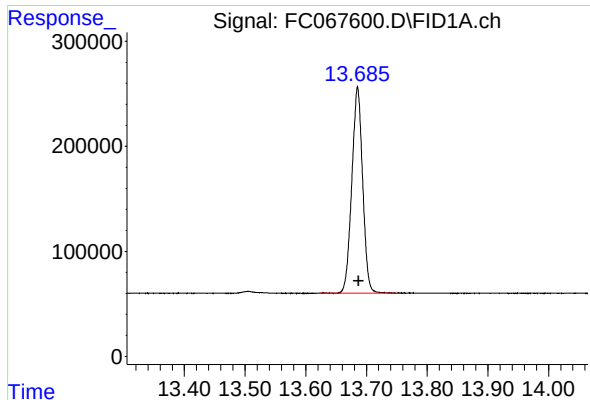
#11 n-Heneicosane (C21)

R.T.: 13.100 min
Delta R.T.: -0.002 min
Response: 2444567
Conc: 19.81 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.932 min
Delta R.T.: 0.000 min
Response: 2142769
Conc: 19.84 ug/ml



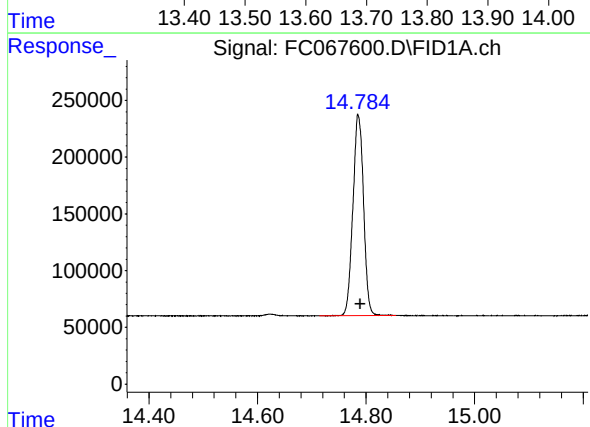
#13 n-Docosane (C22)

R.T.: 13.685 min
Delta R.T.: -0.002 min
Response: 2428241
Conc: 19.83 ug/ml

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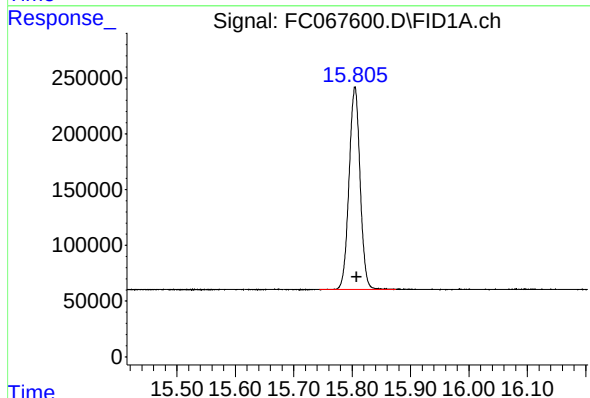
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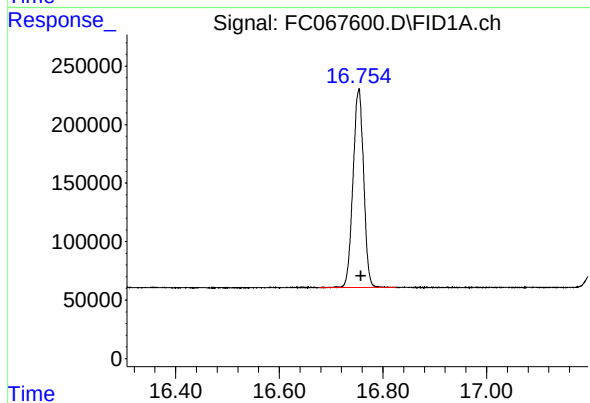
#14 n-Tetracosane (C24)

R.T.: 14.786 min
Delta R.T.: -0.003 min
Response: 2409580
Conc: 19.88 ug/ml



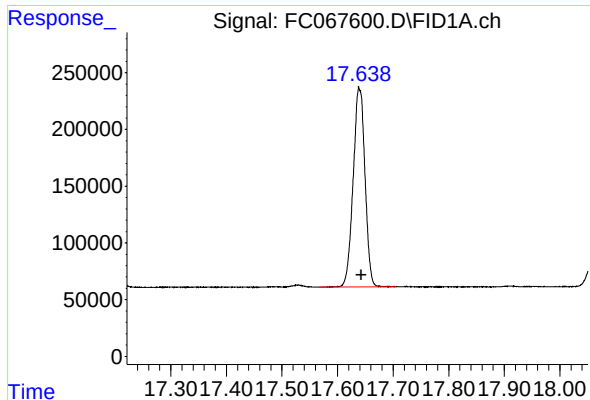
#15 n-Hexacosane (C26)

R.T.: 15.805 min
Delta R.T.: -0.003 min
Response: 2384381
Conc: 20.03 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.753 min
Delta R.T.: -0.005 min
Response: 2415220
Conc: 20.53 ug/ml



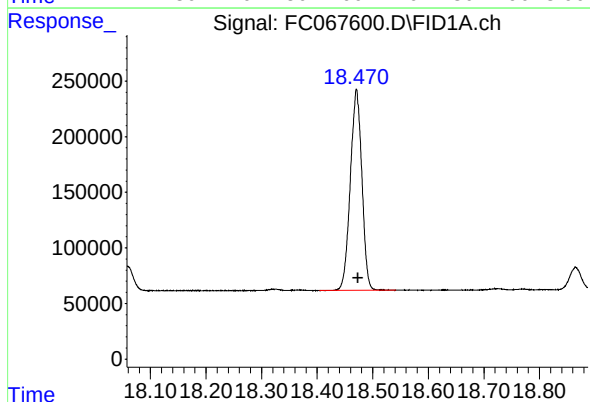
#17 n-Tricontane (C30)

R.T.: 17.639 min
Delta R.T.: -0.003 min
Response: 2595056
Conc: 21.47 ug/ml

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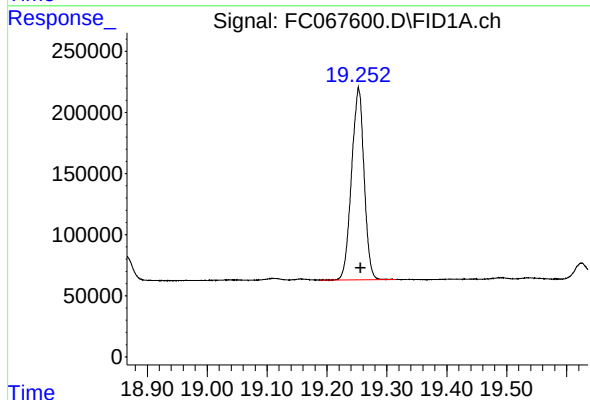
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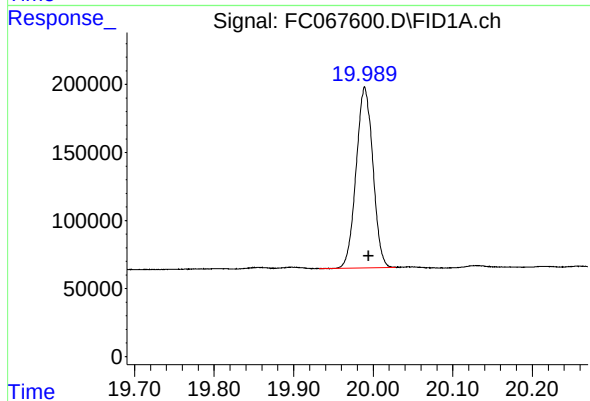
#18 n-Dotriacontane (C32)

R.T.: 18.471 min
Delta R.T.: -0.003 min
Response: 2608818
Conc: 22.05 ug/ml



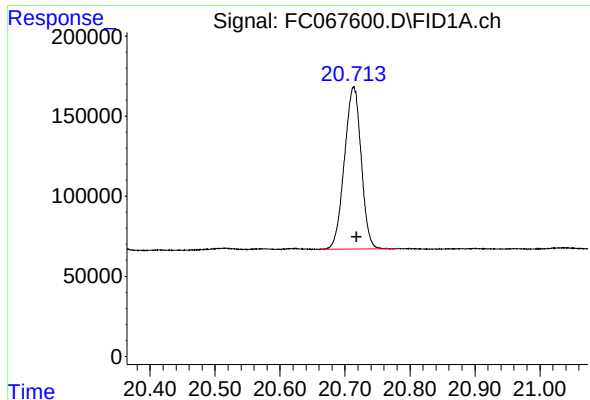
#19 n-Tetratriacontane (C34)

R.T.: 19.253 min
Delta R.T.: -0.004 min
Response: 2286373
Conc: 21.83 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.989 min
Delta R.T.: -0.005 min
Response: 1939813
Conc: 21.31 ug/ml



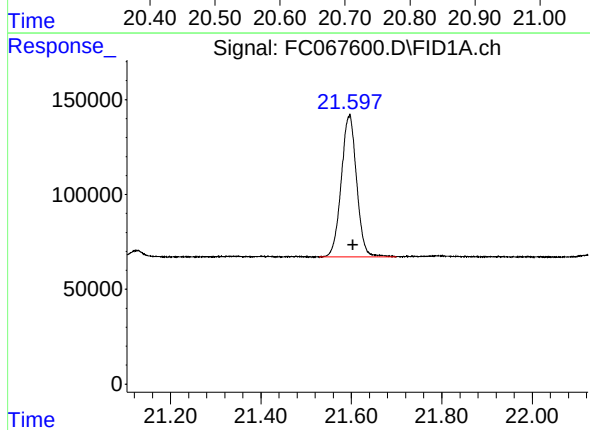
#21 n-Octatriacontane (C38)

R.T.: 20.713 min
Delta R.T.: -0.005 min
Response: 1819992
Conc: 21.02 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.596 min
Delta R.T.: -0.008 min
Response: 1759275
Conc: 20.69 ug/ml