

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F100624AL\
 Data File : FC067368.D
 Signal(s) : FID1A.ch
 Acq On : 04 Oct 2024 20:41
 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 10/07/2024
 Supervised By :Ankita Jodhani 10/07/2024

Integration File: autoint1.e
 Quant Time: Oct 05 02:51:48 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)	11.499	2935417	19.291 ug/ml
Spiked Amount 50.000		Recovery =	38.58%
12) S 1-chlorooctadecane (S...	12.936	2199163	19.428 ug/ml
Spiked Amount 50.000		Recovery =	38.86%
Target Compounds			
1) T n-Nonane (C9)	3.276	2525173	19.921 ug/ml
2) T n-Decane (C10)	4.341	2590550	20.153 ug/ml
3) T A~Naphthalene (C11.7)	5.919	2846057	20.063 ug/ml
4) T n-Dodecane (C12)	6.357	2606001	20.083 ug/ml
5) T A~2-methylnaphthalene...	6.974	2754788	20.080 ug/ml
6) T n-Tetradecane (C14)	8.149	2576064	20.001 ug/ml
7) T n-Hexadecane (C16)	9.747	2633129	19.780 ug/ml
8) T n-Octadecane (C18)	11.187	2661492	19.627 ug/ml
10) T n-Eicosane (C20)	12.494	2547867	19.513 ug/ml
11) T n-Heneicosane (C21)	13.105	2498846	19.483 ug/ml
13) T n-Docosane (C22)	13.690	2484016	19.454 ug/ml
14) T n-Tetracosane (C24)	14.792	2475506	19.356 ug/ml
15) T n-Hexacosane (C26)	15.810	2443770	19.382 ug/ml
16) T n-Octacosane (C28)	16.759	2485235	19.782 ug/ml
17) T n-Tricontane (C30)	17.644	2678942	20.795 ug/ml
18) T n-Dotriacontane (C32)	18.476	2667032	21.349 ug/ml
19) T n-Tetratriacontane (C34)	19.259	2317918	21.211 ug/ml
20) T n-Hexatriacontane (C36)	19.997	1940338	20.529 ug/ml
21) T n-Octatriacontane (C38)	20.719	1798614	20.509 ug/mlm
22) T n-Tetracontane (C40)	21.606	1760876	20.464 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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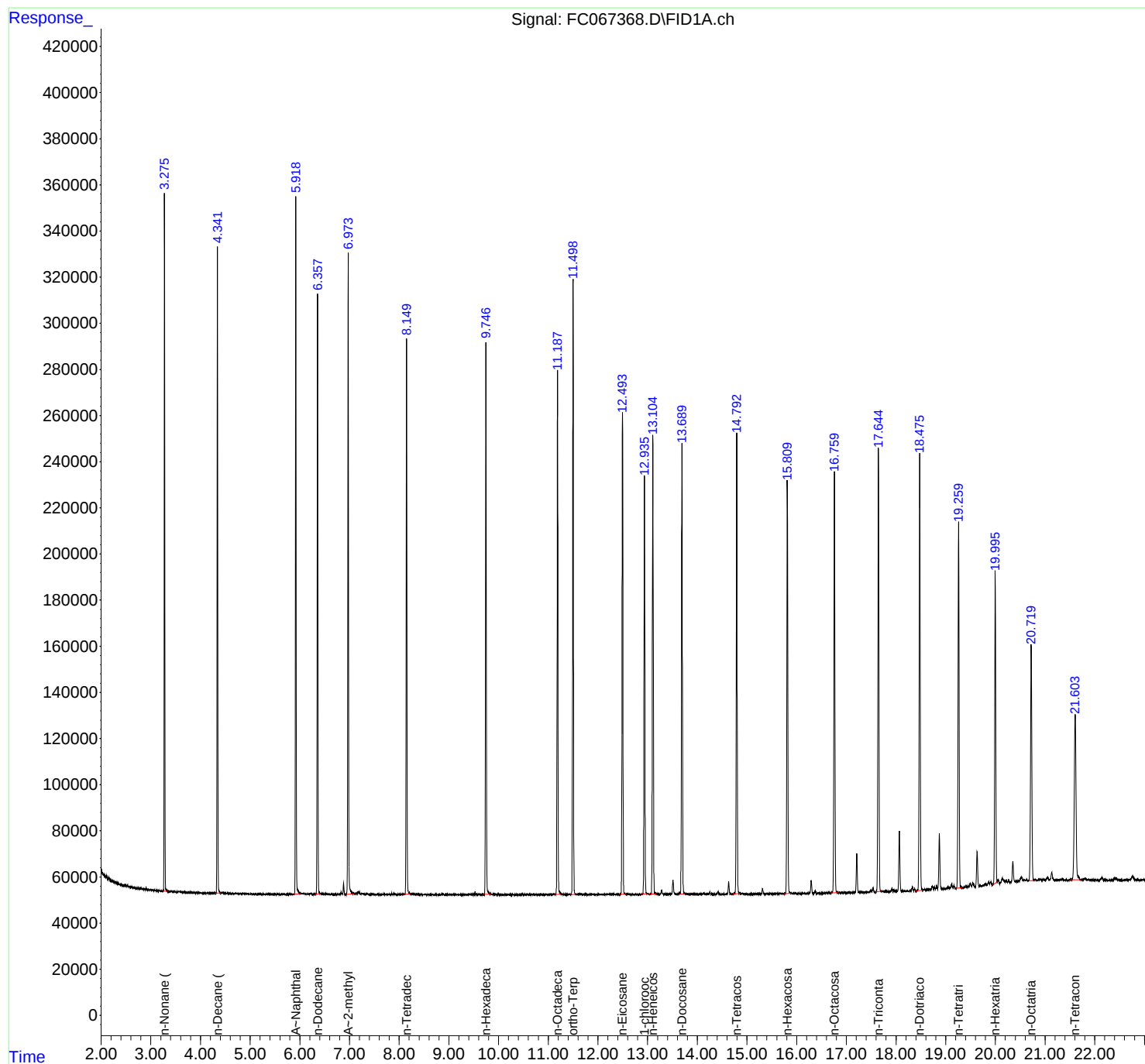
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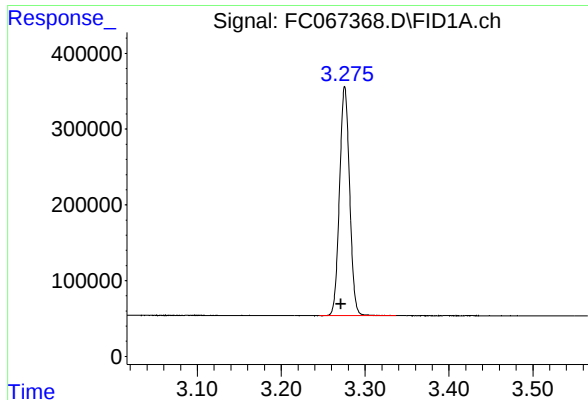
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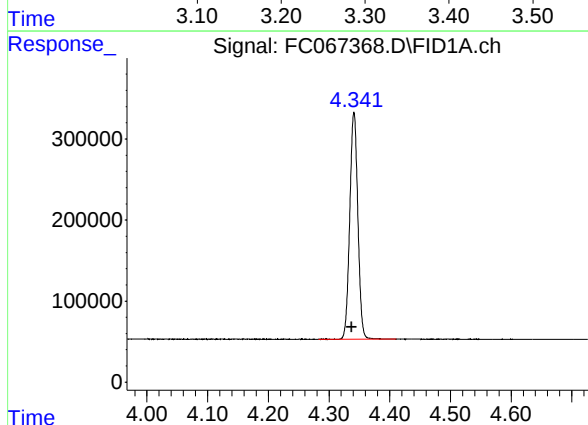
#1 n-Nonane (C9)

R.T.: 3.276 min
Delta R.T.: 0.005 min
Response: 2525173
Conc: 19.92 ug/ml

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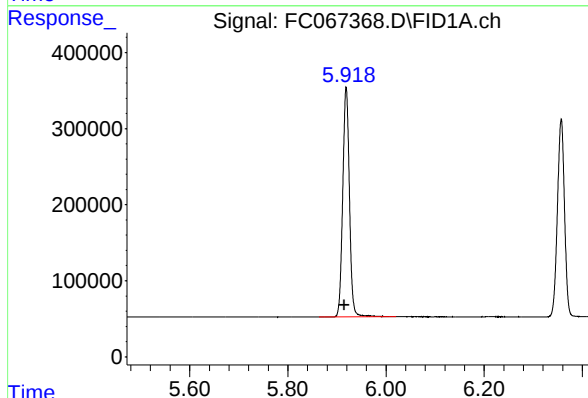
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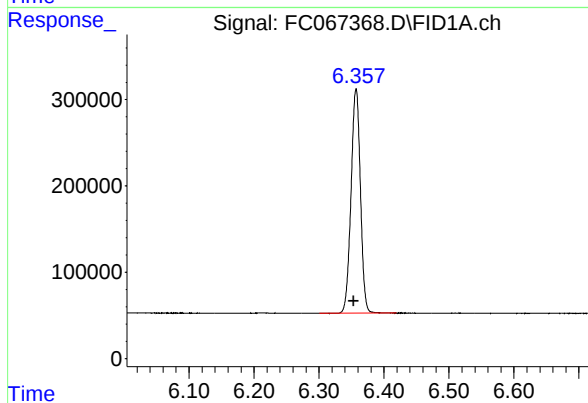
#2 n-Decane (C10)

R.T.: 4.341 min
Delta R.T.: 0.004 min
Response: 2590550
Conc: 20.15 ug/ml



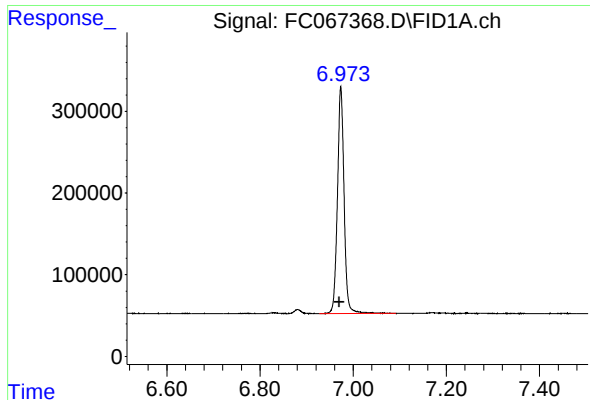
#3 A~Naphthalene (C11.7)

R.T.: 5.919 min
Delta R.T.: 0.004 min
Response: 2846057
Conc: 20.06 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.357 min
Delta R.T.: 0.004 min
Response: 2606001
Conc: 20.08 ug/ml



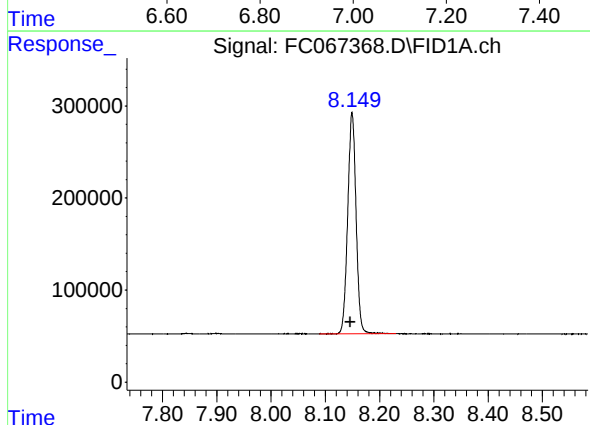
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.974 min
Delta R.T.: 0.004 min
Response: 2754788
Conc: 20.08 ug/ml

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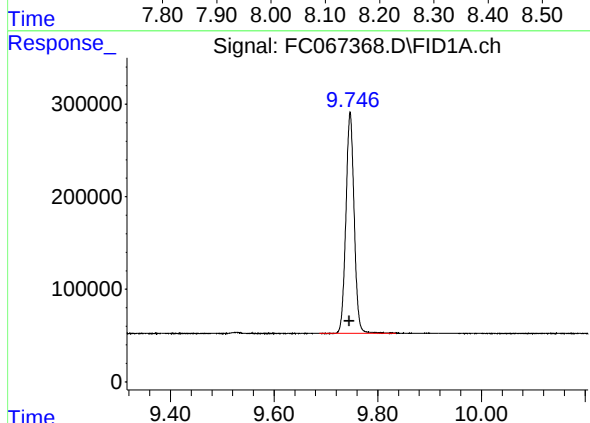
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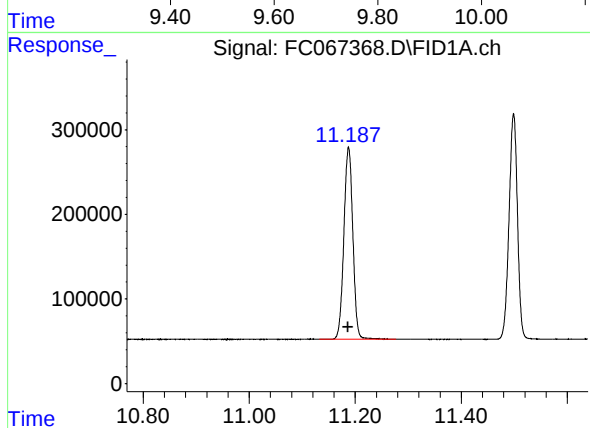
#6 n-Tetradecane (C14)

R.T.: 8.149 min
Delta R.T.: 0.003 min
Response: 2576064
Conc: 20.00 ug/ml



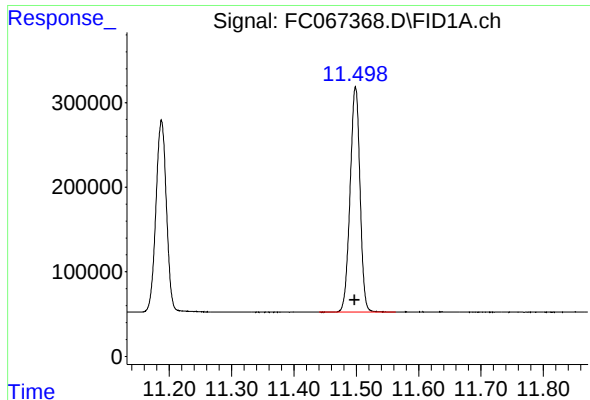
#7 n-Hexadecane (C16)

R.T.: 9.747 min
Delta R.T.: 0.002 min
Response: 2633129
Conc: 19.78 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.187 min
Delta R.T.: 0.001 min
Response: 2661492
Conc: 19.63 ug/ml



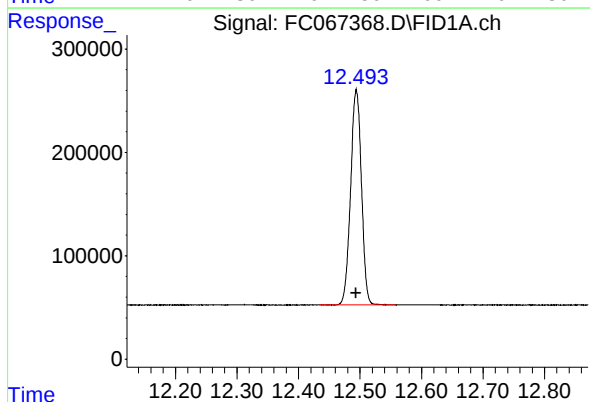
#9 ortho-Terphenyl (SURR)

R.T.: 11.499 min
Delta R.T.: 0.002 min
Response: 2935417
Conc: 19.29 ug/ml

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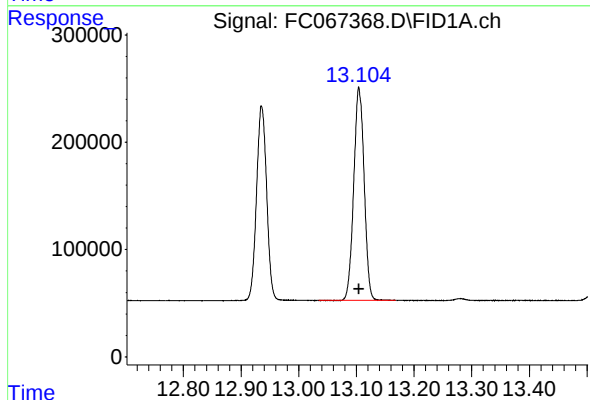
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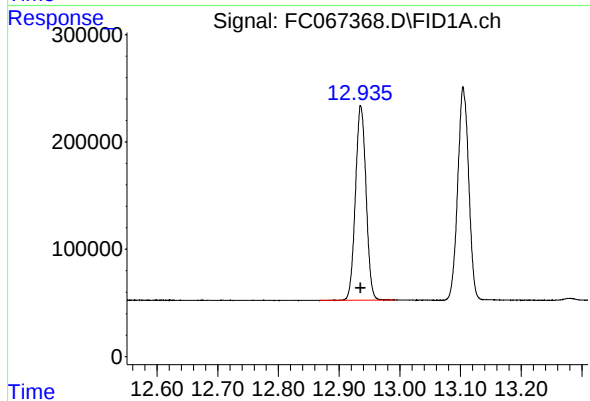
#10 n-Eicosane (C20)

R.T.: 12.494 min
Delta R.T.: 0.000 min
Response: 2547867
Conc: 19.51 ug/ml



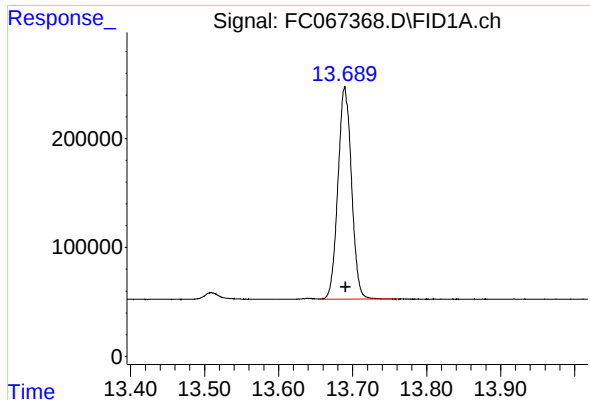
#11 n-Heneicosane (C21)

R.T.: 13.105 min
Delta R.T.: 0.000 min
Response: 2498846
Conc: 19.48 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.936 min
Delta R.T.: 0.000 min
Response: 2199163
Conc: 19.43 ug/ml



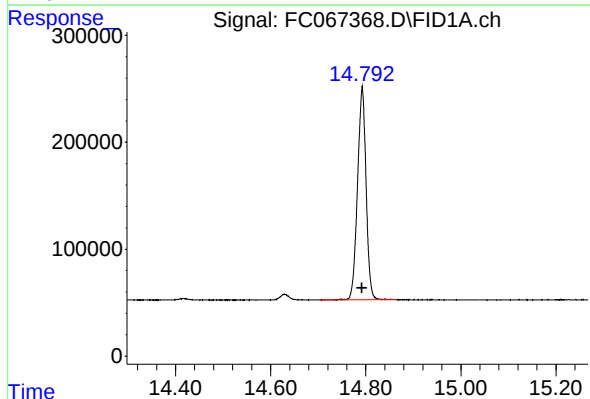
#13 n-Docosane (C22)

R.T.: 13.690 min
Delta R.T.: 0.000 min
Response: 2484016
Conc: 19.45 ug/ml

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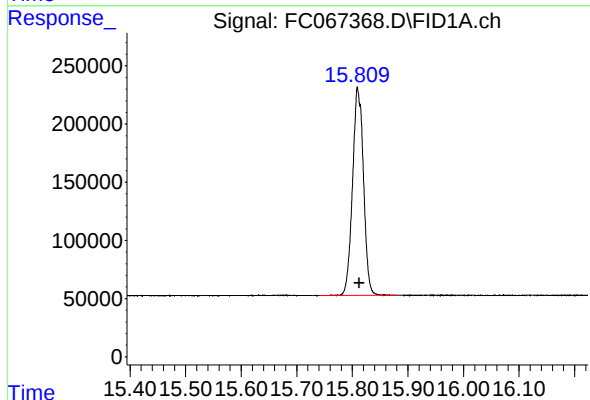
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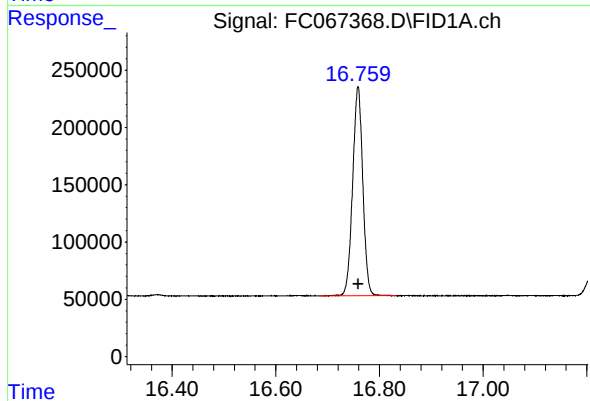
#14 n-Tetracosane (C24)

R.T.: 14.792 min
Delta R.T.: 0.000 min
Response: 2475506
Conc: 19.36 ug/ml



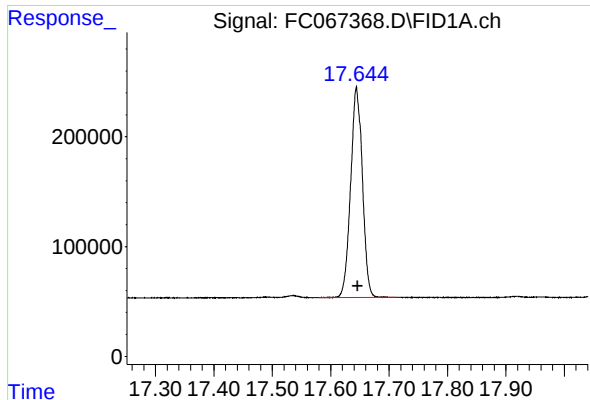
#15 n-Hexacosane (C26)

R.T.: 15.810 min
Delta R.T.: -0.002 min
Response: 2443770
Conc: 19.38 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.759 min
Delta R.T.: -0.001 min
Response: 2485235
Conc: 19.78 ug/ml



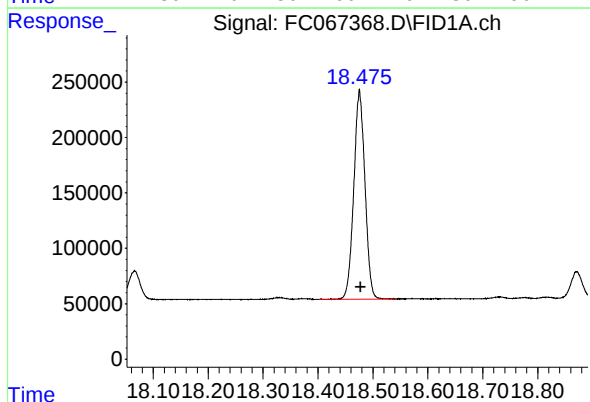
#17 n-Tricontane (C30)

R.T.: 17.644 min
Delta R.T.: -0.002 min
Response: 2678942
Conc: 20.80 ug/ml

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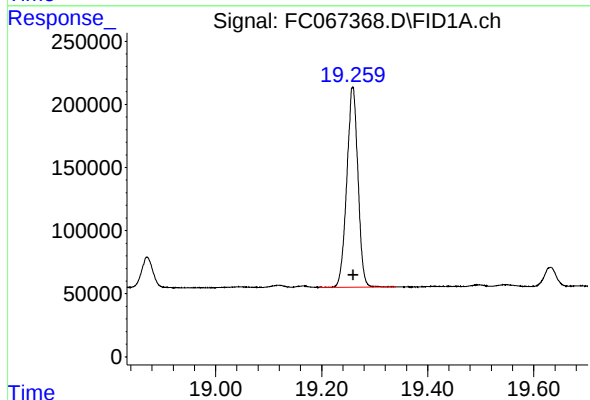
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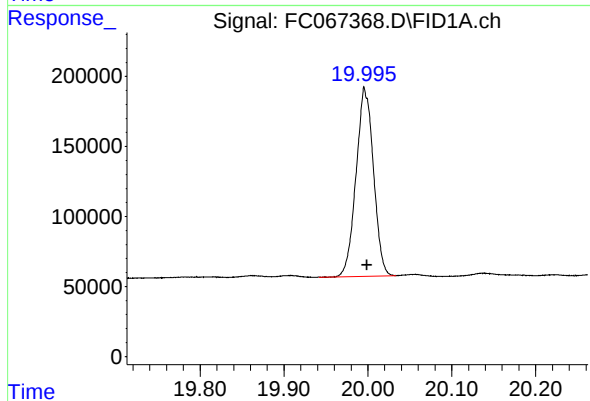
#18 n-Dotriacontane (C32)

R.T.: 18.476 min
Delta R.T.: -0.002 min
Response: 2667032
Conc: 21.35 ug/ml



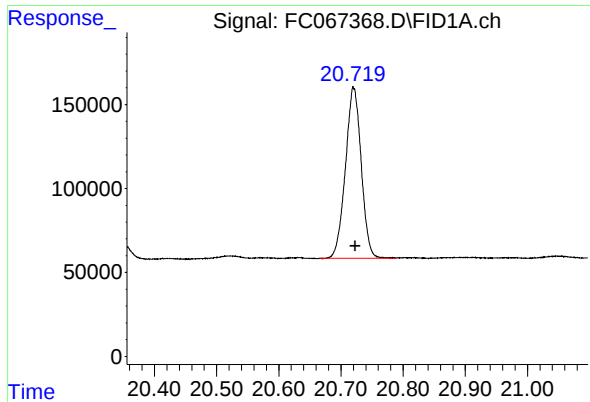
#19 n-Tetratriacontane (C34)

R.T.: 19.259 min
Delta R.T.: -0.001 min
Response: 2317918
Conc: 21.21 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.997 min
Delta R.T.: -0.002 min
Response: 1940338
Conc: 20.53 ug/ml



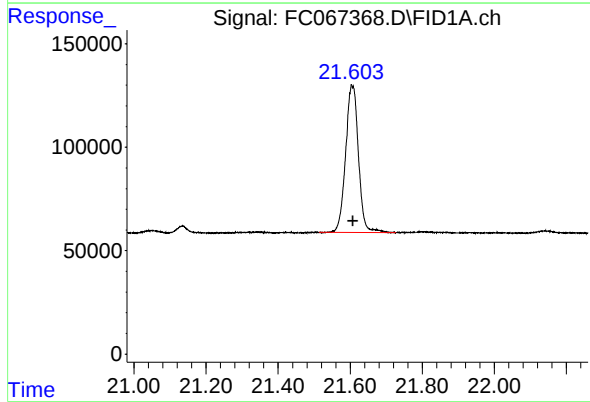
#21 n-Octatriacontane (C38)

R.T.: 20.719 min
Delta R.T.: -0.004 min
Response: 1798614
Conc: 20.51 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.606 min
Delta R.T.: -0.002 min
Response: 1760876
Conc: 20.46 ug/ml