

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC010522AL\
 Data File : FC057724.D
 Signal(s) : FID1A.CH
 Acq On : 05 Jan 2022 22:33
 Operator : AJ\MA
 Sample : M4068-02
 Misc : 5 PPM LOQ SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/06/2022
 Supervised By :Ankita Jodhani 01/06/2022

Integration File: autoint1.e
 Quant Time: Jan 06 00:00:20 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 010522.M
 Quant Title : GC Extractables
 QLast Update : Wed Jan 05 12:13:43 2022
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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			
12) S 1-chlorooctadecane (S...	12.154	5833070	39.577 ug/ml
Spiked Amount 50.000		Recovery =	79.15%
Target Compounds			
1) T n-Nonane (C9)	2.642	725351	4.536 ug/ml
2) T n-Decane (C10)	3.632	735560	4.576 ug/ml
4) T n-Dodecane (C12)	5.603	760810	4.717 ug/ml
6) T n-Tetradecane (C14)	7.383	776984	4.706 ug/ml
7) T n-Hexadecane (C16)	8.975	784900	4.699 ug/ml
8) T n-Octadecane (C18)	10.408	814121	4.731 ug/ml
10) T n-Eicosane (C20)	11.712	794540	4.641 ug/ml
11) T n-Heneicosane (C21)	12.321	828573	4.792 ug/ml
13) T n-Docosane (C22)	12.904	794361	4.592 ug/ml
14) T n-Tetracosane (C24)	14.002	781046	4.512 ug/ml
15) T n-Hexacosane (C26)	15.019	771870	4.587 ug/ml
16) T n-Octacosane (C28)	15.965	762453	4.659 ug/ml
17) T n-Tricontane (C30)	16.851	741077	4.747 ug/ml
18) T n-Dotriacontane (C32)	17.680	698191	5.008 ug/ml
19) T n-Tetratriacontane (C34)	18.462	669774	5.389 ug/ml
20) T n-Hexatriacontane (C36)	19.200	617175	5.551 ug/ml
21) T n-Octatriacontane (C38)	19.907	590880	5.664 ug/ml
22) T n-Tetracontane (C40)	20.735	591052	6.173 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Misc : 5 PPM LOQ SOIL
ALS Vial : 17 Sample Multiplier: 1

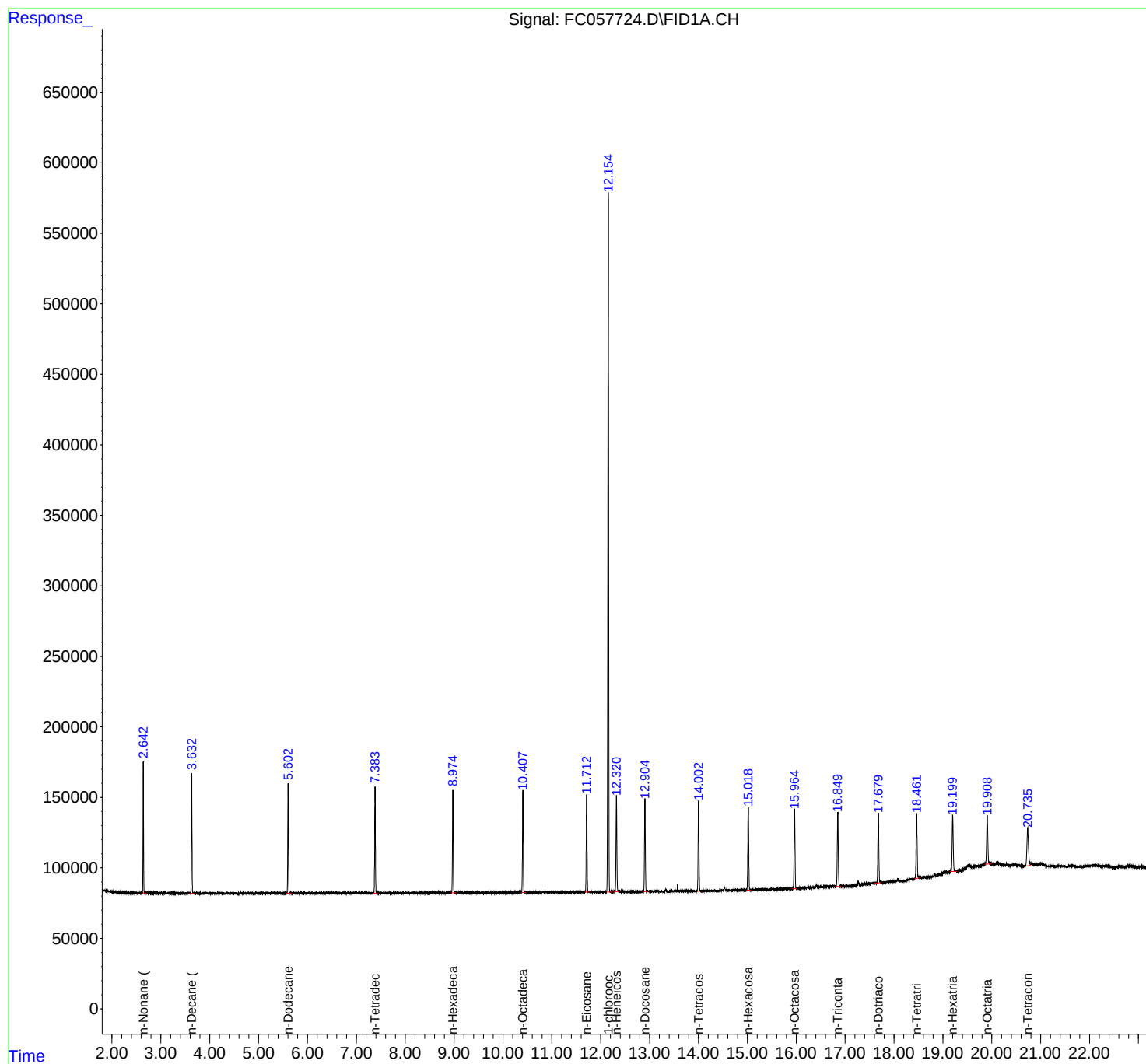
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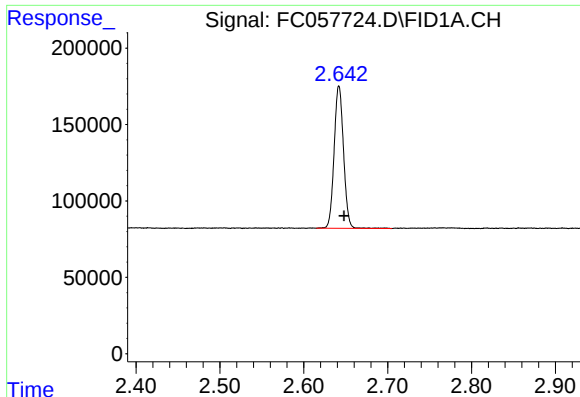
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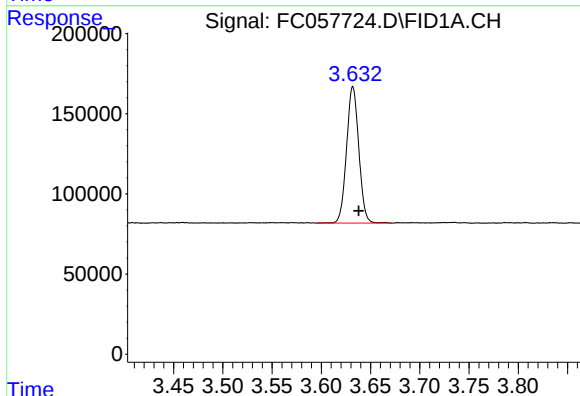
#1 n-Nonane (C9)

R.T.: 2.642 min
Delta R.T.: -0.006 min
Response: 725351
Conc: 4.54 ug/ml

Instrument :
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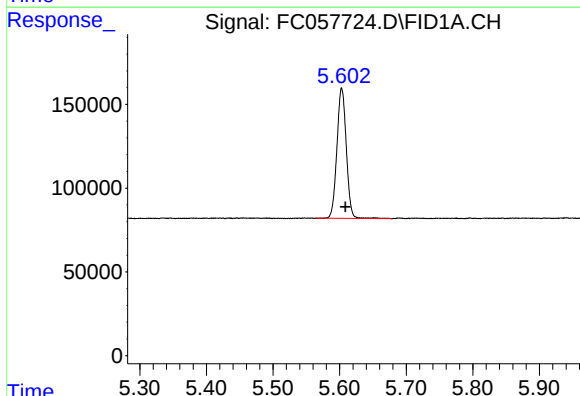
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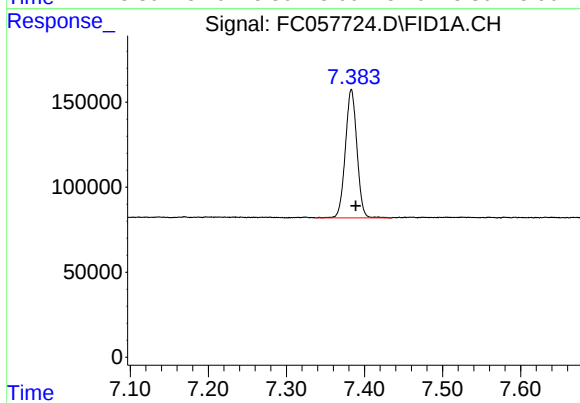
#2 n-Decane (C10)

R.T.: 3.632 min
Delta R.T.: -0.006 min
Response: 735560
Conc: 4.58 ug/ml



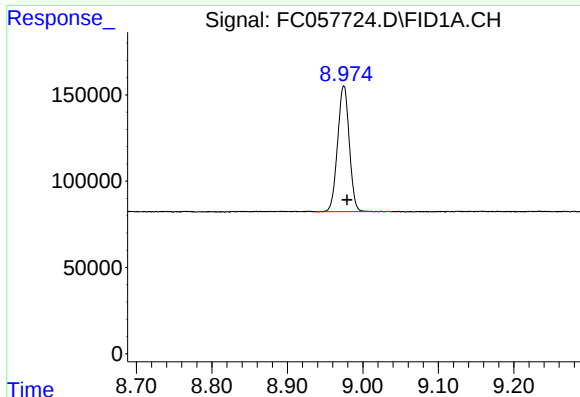
#4 n-Dodecane (C12)

R.T.: 5.603 min
Delta R.T.: -0.005 min
Response: 760810
Conc: 4.72 ug/ml



#6 n-Tetradecane (C14)

R.T.: 7.383 min
Delta R.T.: -0.005 min
Response: 776984
Conc: 4.71 ug/ml



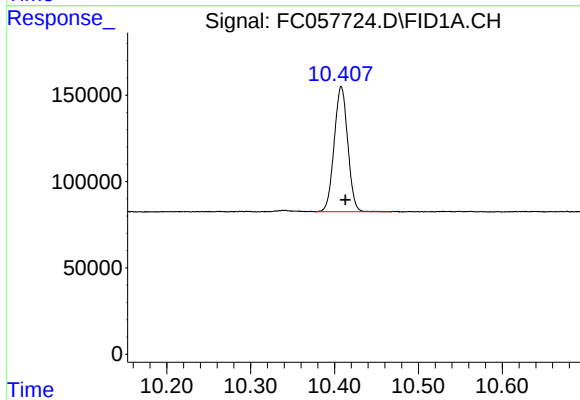
#7 n-Hexadecane (C16)

R.T.: 8.975 min
Delta R.T.: -0.004 min
Response: 784900
Conc: 4.70 ug/ml

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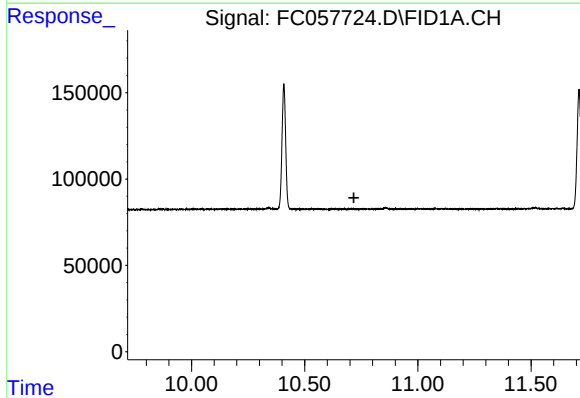
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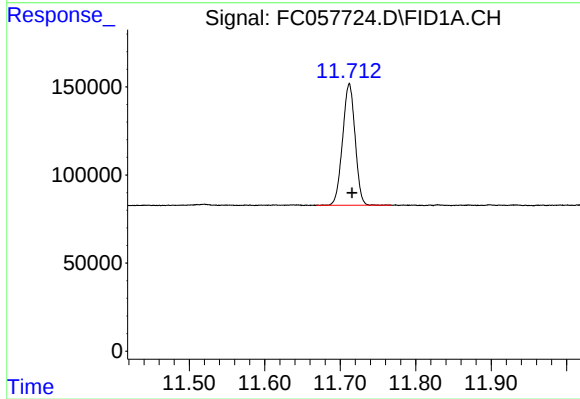
#8 n-Octadecane (C18)

R.T.: 10.408 min
Delta R.T.: -0.005 min
Response: 814121
Conc: 4.73 ug/ml



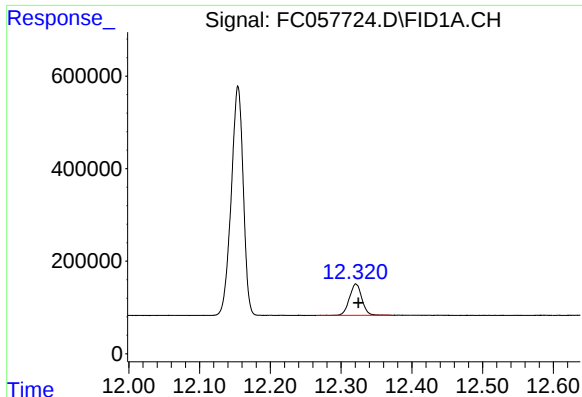
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 10.717 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 11.712 min
Delta R.T.: -0.004 min
Response: 794540
Conc: 4.64 ug/ml



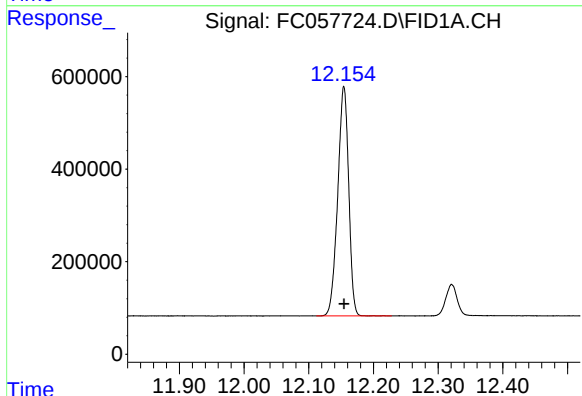
#11 n-Heneicosane (C21)

R.T.: 12.321 min
Delta R.T.: -0.003 min
Response: 828573
Conc: 4.79 ug/ml

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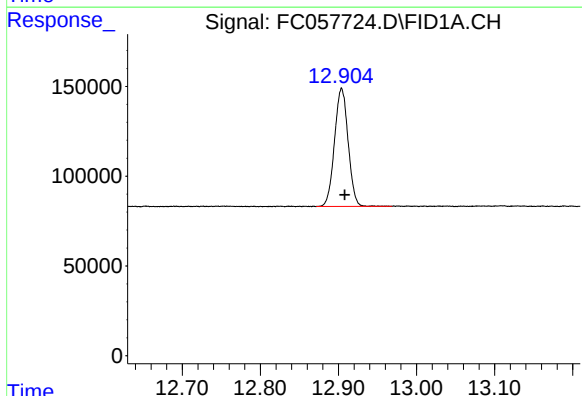
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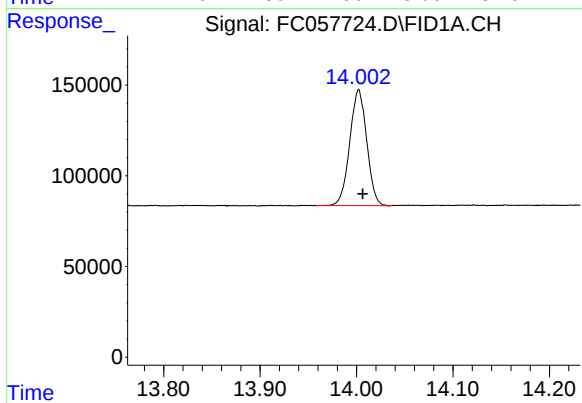
#12 1-chlorooctadecane (SURR)

R.T.: 12.154 min
Delta R.T.: 0.000 min
Response: 5833070
Conc: 39.58 ug/ml



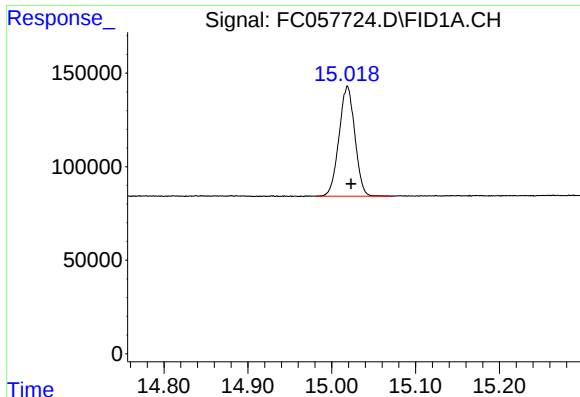
#13 n-Docosane (C22)

R.T.: 12.904 min
Delta R.T.: -0.004 min
Response: 794361
Conc: 4.59 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.002 min
Delta R.T.: -0.004 min
Response: 781046
Conc: 4.51 ug/ml



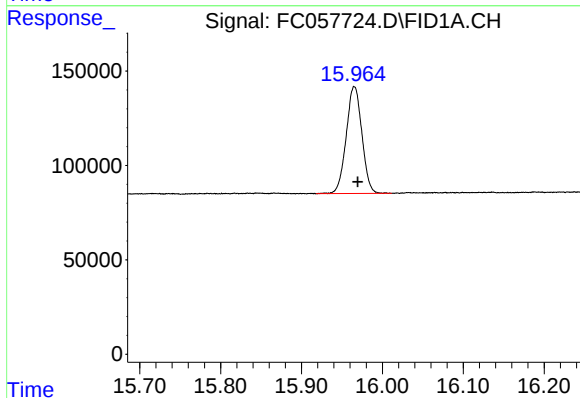
#15 n-Hexacosane (C26)

R.T.: 15.019 min
Delta R.T.: -0.005 min
Response: 771870
Conc: 4.59 ug/ml

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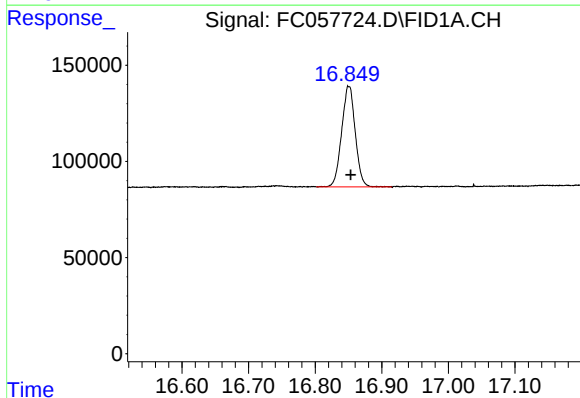
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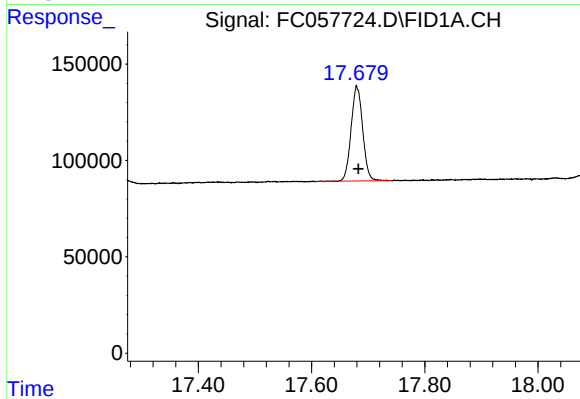
#16 n-Octacosane (C28)

R.T.: 15.965 min
Delta R.T.: -0.004 min
Response: 762453
Conc: 4.66 ug/ml



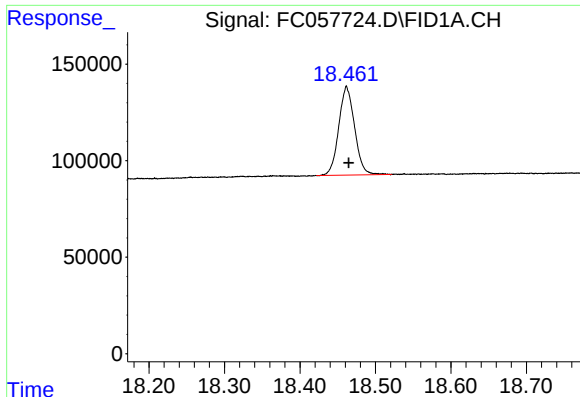
#17 n-Tricontane (C30)

R.T.: 16.851 min
Delta R.T.: -0.003 min
Response: 741077
Conc: 4.75 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 17.680 min
Delta R.T.: -0.003 min
Response: 698191
Conc: 5.01 ug/ml



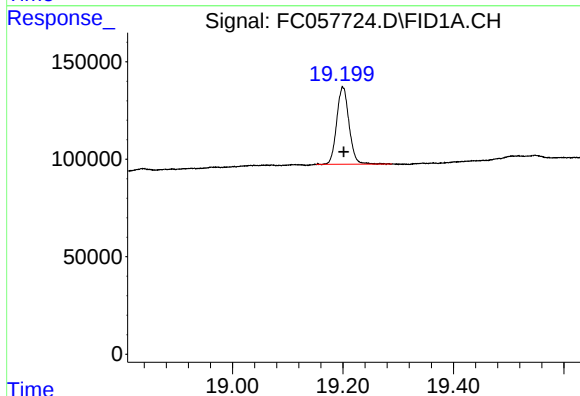
#19 n-Tetratriacontane (C34)

R.T.: 18.462 min
Delta R.T.: -0.003 min
Response: 669774
Conc: 5.39 ug/ml

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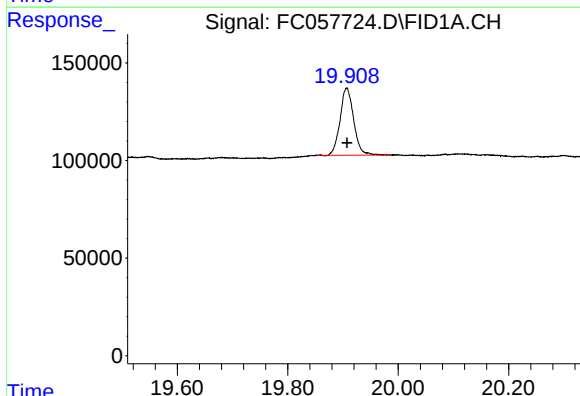
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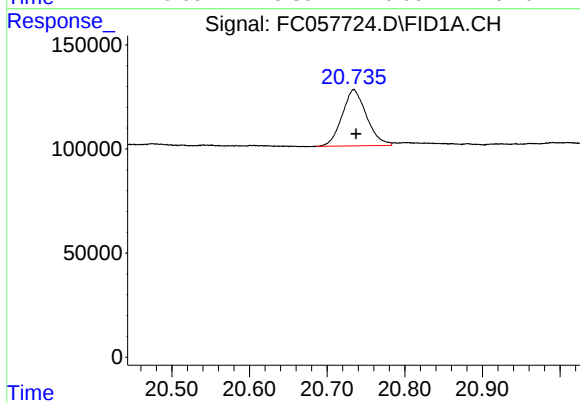
#20 n-Hexatriacontane (C36)

R.T.: 19.200 min
Delta R.T.: -0.002 min
Response: 617175
Conc: 5.55 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 19.907 min
Delta R.T.: 0.000 min
Response: 590880
Conc: 5.66 ug/ml



#22 n-Tetracontane (C40)

R.T.: 20.735 min
Delta R.T.: -0.002 min
Response: 591052
Conc: 6.17 ug/ml m