

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020222AL\
 Data File : FC058244.D
 Signal(s) : FID1A.CH
 Acq On : 02 Feb 2022 22:09
 Operator : AJ\MA
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/03/2022
 Supervised By :Ankita Jodhani 02/03/2022

Integration File: autoint1.e
 Quant Time: Feb 02 22:31:27 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 020222.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 02 22:29:11 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			
9) S ortho-Terphenyl (SURR)	10.687	932638	4.698 ug/ml
Spiked Amount 50.000		Recovery =	9.40%
12) S 1-chlorooctadecane (S...	12.126	693254	4.583 ug/ml
Spiked Amount 50.000		Recovery =	9.17%
Target Compounds			
1) T n-Nonane (C9)	2.624	775063	4.643 ug/ml
2) T n-Decane (C10)	3.612	786545	4.628 ug/ml
3) T A~Naphthalene (C11.7)	5.150	810036	4.303 ug/ml
4) T n-Dodecane (C12)	5.582	782486	4.581 ug/ml
5) T A~2-methylnaphthalene...	6.190	817944	4.354 ug/mlm
6) T n-Tetradecane (C14)	7.361	795965	4.570 ug/ml
7) T n-Hexadecane (C16)	8.951	813504	4.638 ug/ml
8) T n-Octadecane (C18)	10.384	831881	4.625 ug/ml
10) T n-Eicosane (C20)	11.686	825524	4.688 ug/ml
11) T n-Heneicosane (C21)	12.295	821257	4.655 ug/ml
13) T n-Docosane (C22)	12.879	809158	4.659 ug/ml
14) T n-Tetracosane (C24)	13.976	795317	4.662 ug/ml
15) T n-Hexacosane (C26)	14.993	759830	4.638 ug/ml
16) T n-Octacosane (C28)	15.938	762732	4.765 ug/ml
17) T n-Tricontane (C30)	16.820	755445	4.874 ug/mlm
18) T n-Dotriacontane (C32)	17.652	758776	5.121 ug/ml
19) T n-Tetratriacontane (C34)	18.433	677556	4.997 ug/mlm
20) T n-Hexatriacontane (C36)	19.170	599448	4.792 ug/ml
21) T n-Octatriacontane (C38)	19.873	586571	4.969 ug/ml
22) T n-Tetracontane (C40)	20.694	552369	4.701 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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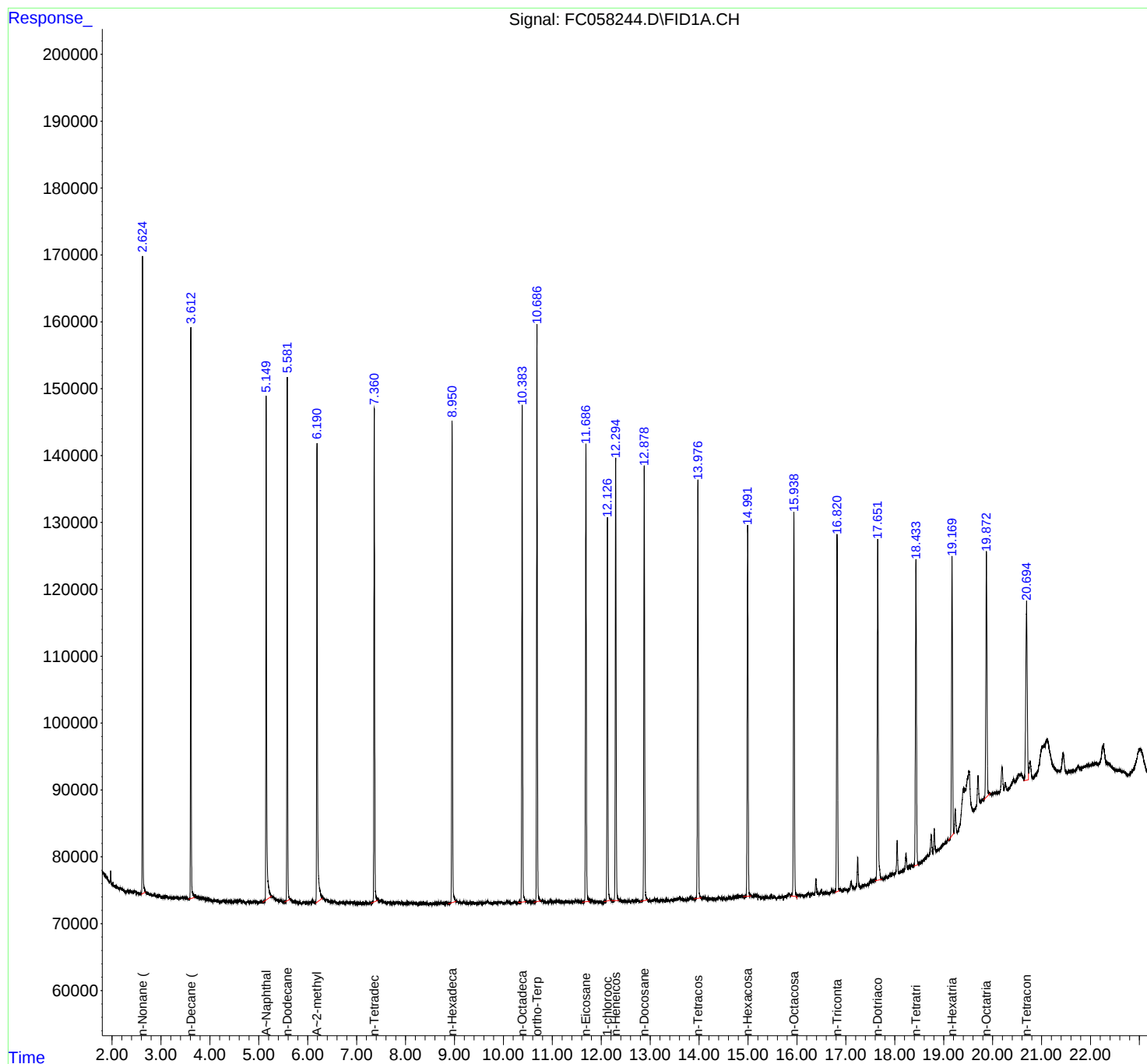
Instrument :
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5 PPM ALIPHATIC HC STD5

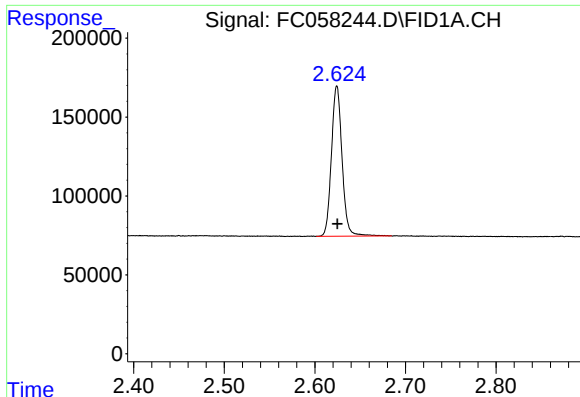
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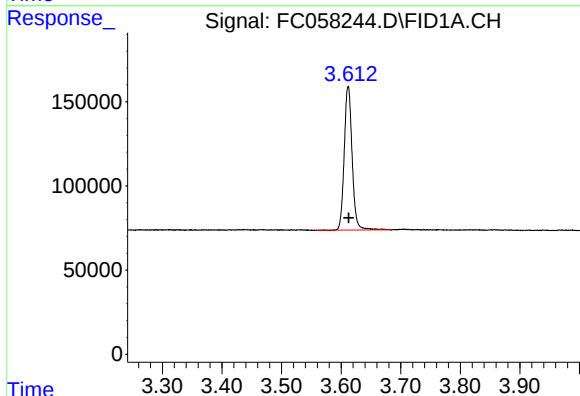
#1 n-Nonane (C9)

R.T.: 2.624 min
Delta R.T.: 0.000 min
Response: 775063
Conc: 4.64 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

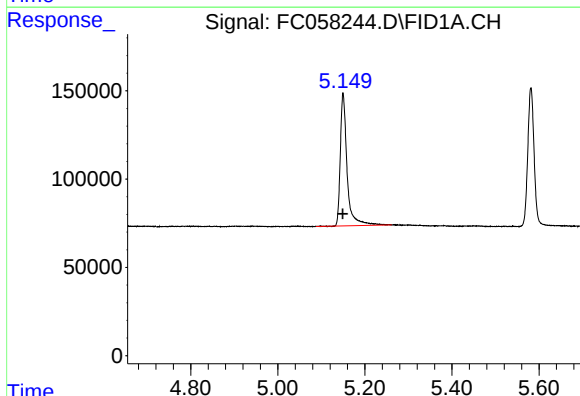
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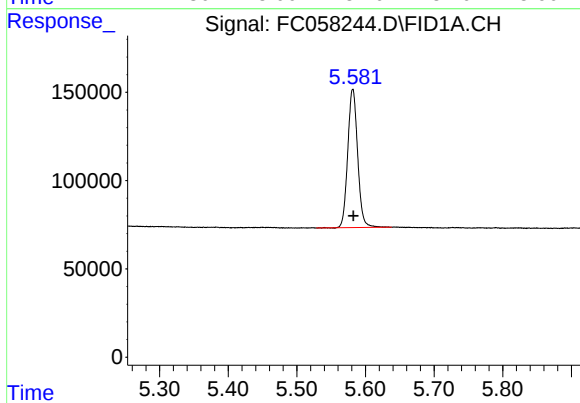
#2 n-Decane (C10)

R.T.: 3.612 min
Delta R.T.: 0.000 min
Response: 786545
Conc: 4.63 ug/ml



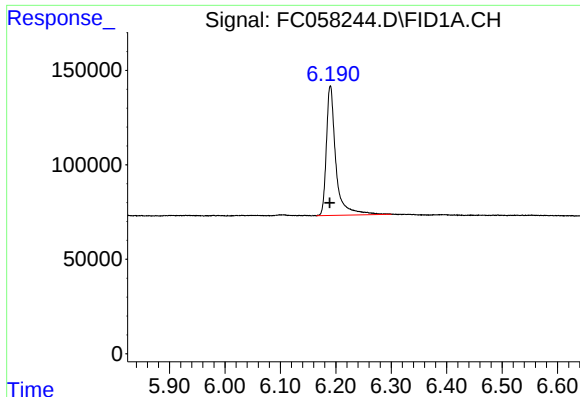
#3 A~Naphthalene (C11.7)

R.T.: 5.150 min
Delta R.T.: 0.001 min
Response: 810036
Conc: 4.30 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.582 min
Delta R.T.: 0.000 min
Response: 782486
Conc: 4.58 ug/ml



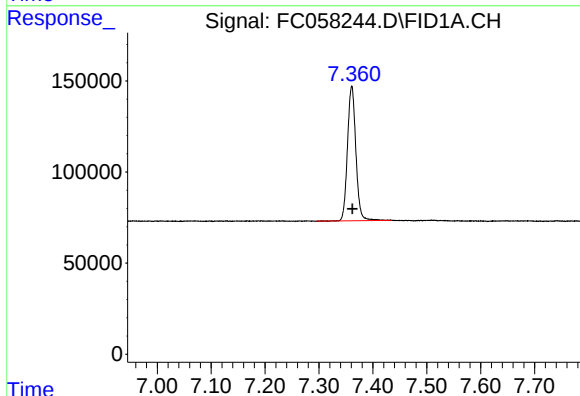
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.190 min
Delta R.T.: 0.001 min
Response: 817944
Conc: 4.35 ug/ml

Instrument :
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5 PPM ALIPHATIC HC STD5

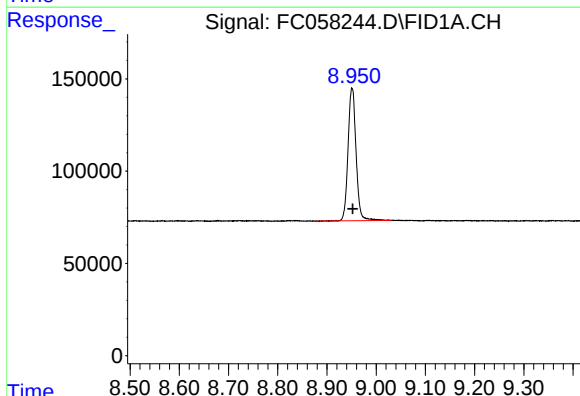
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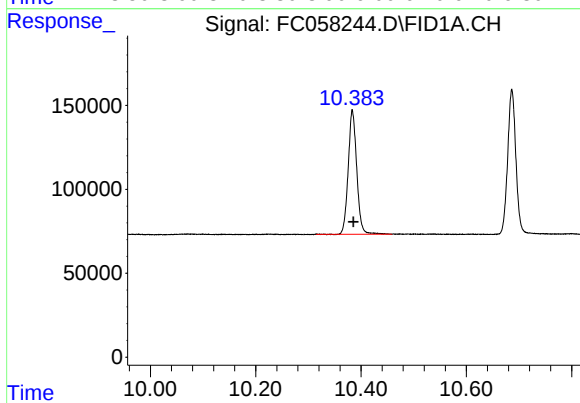
#6 n-Tetradecane (C14)

R.T.: 7.361 min
Delta R.T.: -0.001 min
Response: 795965
Conc: 4.57 ug/ml



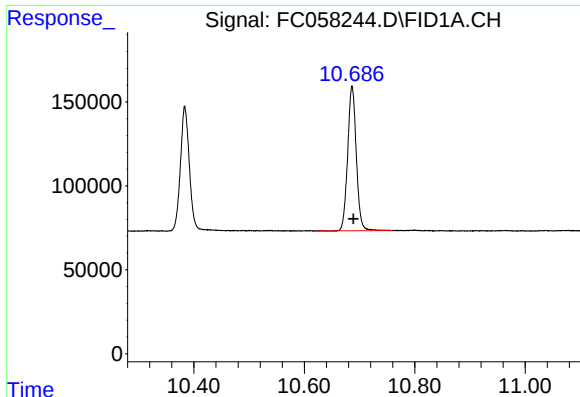
#7 n-Hexadecane (C16)

R.T.: 8.951 min
Delta R.T.: -0.001 min
Response: 813504
Conc: 4.64 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.384 min
Delta R.T.: -0.002 min
Response: 831881
Conc: 4.63 ug/ml



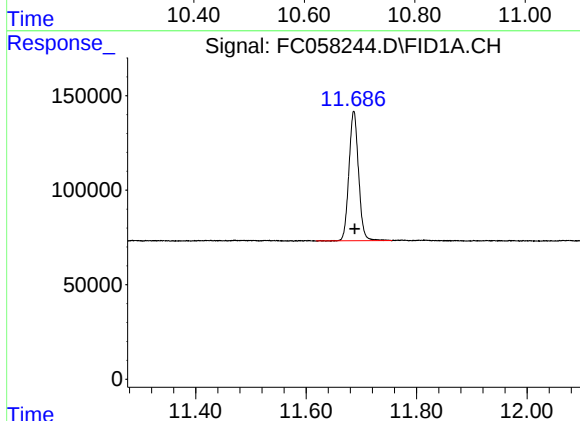
#9 ortho-Terphenyl (SURR)

R.T.: 10.687 min
Delta R.T.: -0.002 min
Response: 932638
Conc: 4.70 ug/ml

Instrument :
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5 PPM ALIPHATIC HC STD5

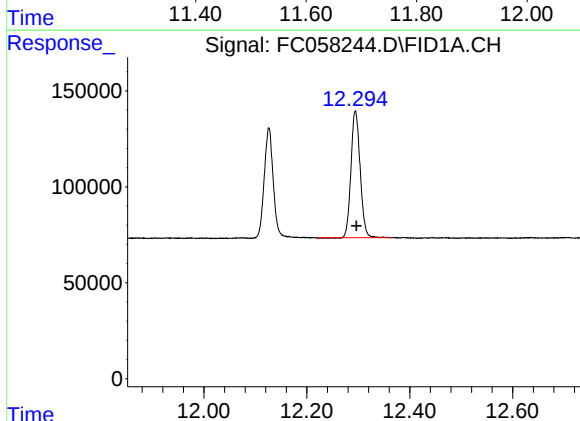
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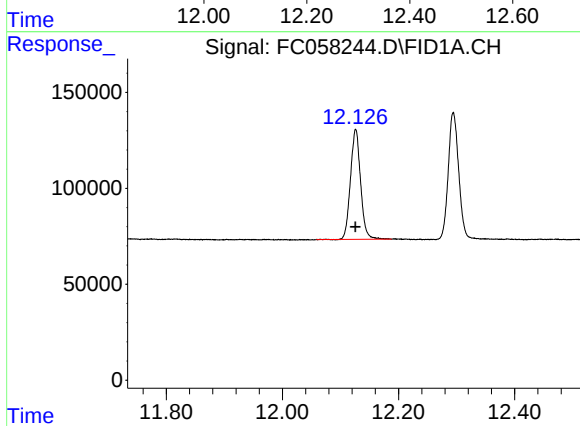
#10 n-Eicosane (C20)

R.T.: 11.686 min
Delta R.T.: -0.002 min
Response: 825524
Conc: 4.69 ug/ml



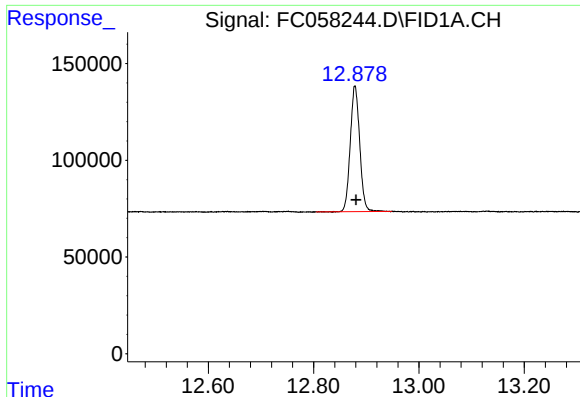
#11 n-Heneicosane (C21)

R.T.: 12.295 min
Delta R.T.: -0.002 min
Response: 821257
Conc: 4.65 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.126 min
Delta R.T.: 0.000 min
Response: 693254
Conc: 4.58 ug/ml



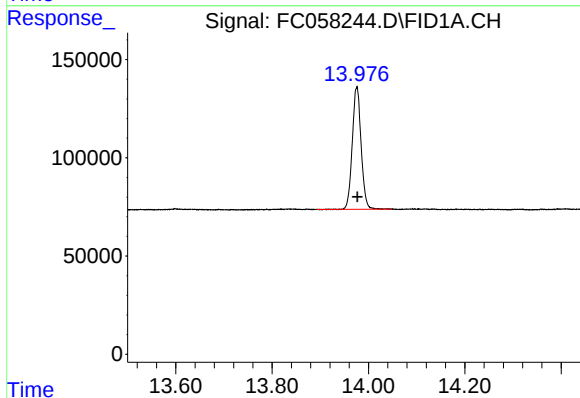
#13 n-Docosane (C22)

R.T.: 12.879 min
Delta R.T.: -0.002 min
Response: 809158
Conc: 4.66 ug/ml

Instrument :
FID_C
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5 PPM ALIPHATIC HC STD5

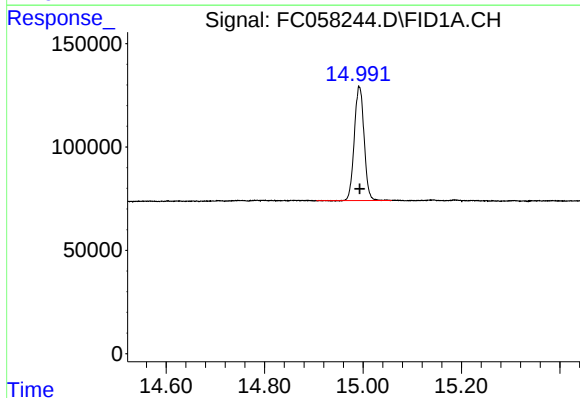
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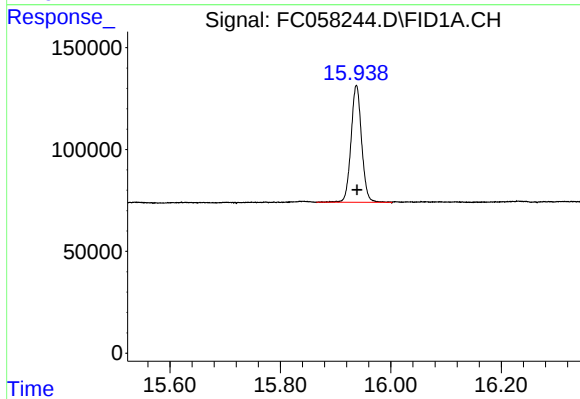
#14 n-Tetracosane (C24)

R.T.: 13.976 min
Delta R.T.: -0.001 min
Response: 795317
Conc: 4.66 ug/ml



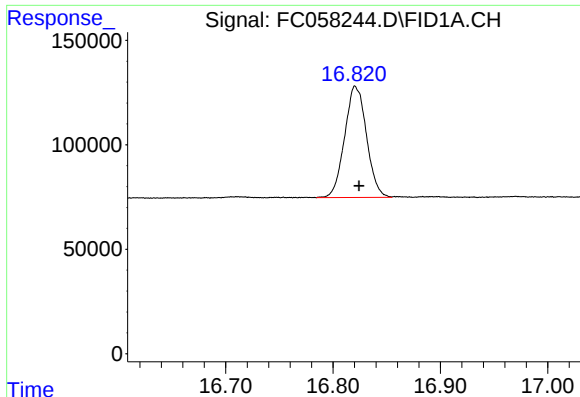
#15 n-Hexacosane (C26)

R.T.: 14.993 min
Delta R.T.: 0.000 min
Response: 759830
Conc: 4.64 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.938 min
Delta R.T.: -0.001 min
Response: 762732
Conc: 4.77 ug/ml



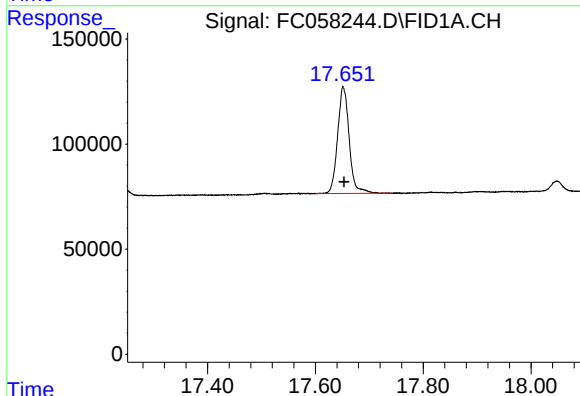
#17 n-Tricontane (C30)

R.T.: 16.820 min
Delta R.T.: -0.004 min
Response: 755445
Conc: 4.87 ug/ml

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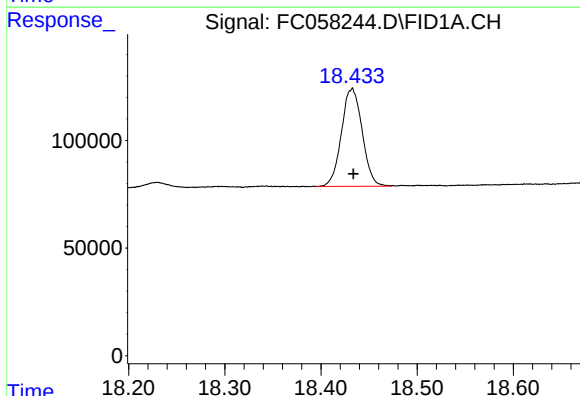
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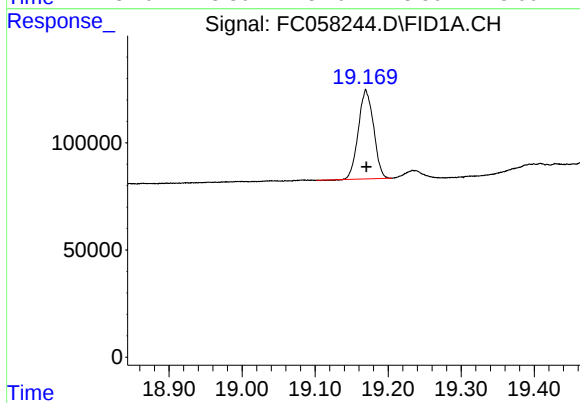
#18 n-Dotriacontane (C32)

R.T.: 17.652 min
Delta R.T.: -0.001 min
Response: 758776
Conc: 5.12 ug/ml



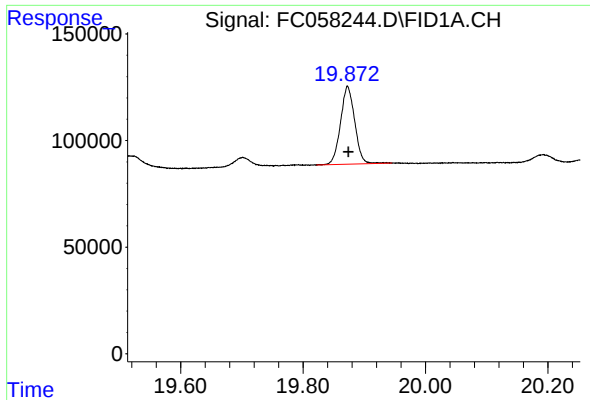
#19 n-Tetratriacontane (C34)

R.T.: 18.433 min
Delta R.T.: -0.001 min
Response: 677556
Conc: 5.00 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.170 min
Delta R.T.: 0.000 min
Response: 599448
Conc: 4.79 ug/ml



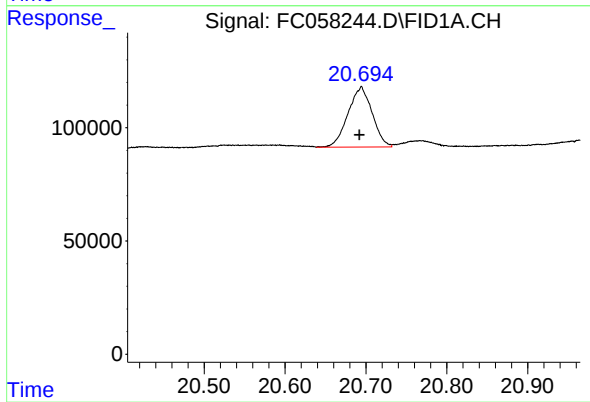
#21 n-Octatriacontane (C38)

R.T.: 19.873 min
Delta R.T.: -0.001 min
Response: 586571
Conc: 4.97 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.694 min
Delta R.T.: 0.002 min
Response: 552369
Conc: 4.70 ug/ml m