

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022322AL\
 Data File : FC058429.D
 Signal(s) : FID1A.CH
 Acq On : 23 Feb 2022 16:40
 Operator : UA/NP
 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 02/24/2022
 Supervised By :Ankita Jodhani 02/24/2022

Integration File: autoint1.e
 Quant Time: Feb 23 17:13:34 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 022322.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 23 16:28:09 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)	11.391	759995	5.275 ug/ml
Spiked Amount 50.000		Recovery =	10.55%
12) S 1-chlorooctadecane (S...	12.827	592671	5.289 ug/ml
Spiked Amount 50.000		Recovery =	10.58%
Target Compounds			
1) T n-Nonane (C9)	3.249	611549	5.107 ug/ml
2) T n-Decane (C10)	4.298	601585	5.069 ug/ml
3) T A~Naphthalene (C11.7)	5.859	605906	4.592 ug/ml
4) T n-Dodecane (C12)	6.291	619257	5.042 ug/ml
5) T A~2-methylnaphthalene...	6.903	607357	4.581 ug/mlm
6) T n-Tetradecane (C14)	8.069	632114	5.056 ug/ml
7) T n-Hexadecane (C16)	9.656	653017	5.089 ug/ml
8) T n-Octadecane (C18)	11.087	681048	5.221 ug/ml
10) T n-Eicosane (C20)	12.387	691753	5.330 ug/ml
11) T n-Heneicosane (C21)	12.995	699336	5.370 ug/ml
13) T n-Docosane (C22)	13.578	680631	5.279 ug/ml
14) T n-Tetracosane (C24)	14.674	684726	5.384 ug/ml
15) T n-Hexacosane (C26)	15.689	644905	5.270 ug/ml
16) T n-Octacosane (C28)	16.633	620866	5.273 ug/ml
17) T n-Tricontane (C30)	17.517	594914	5.362 ug/ml
18) T n-Dotriacontane (C32)	18.346	634106	6.174 ug/ml
19) T n-Tetratriacontane (C34)	19.126	503581	5.249 ug/ml
20) T n-Hexatriacontane (C36)	19.862	470668	5.274 ug/ml
21) T n-Octatriacontane (C38)	20.568	465487	5.444 ug/ml
22) T n-Tetracontane (C40)	21.395	386683	4.519 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Acq On : 23 Feb 2022 16:40
Operator : UA/NP
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 6 Sample Multiplier: 1

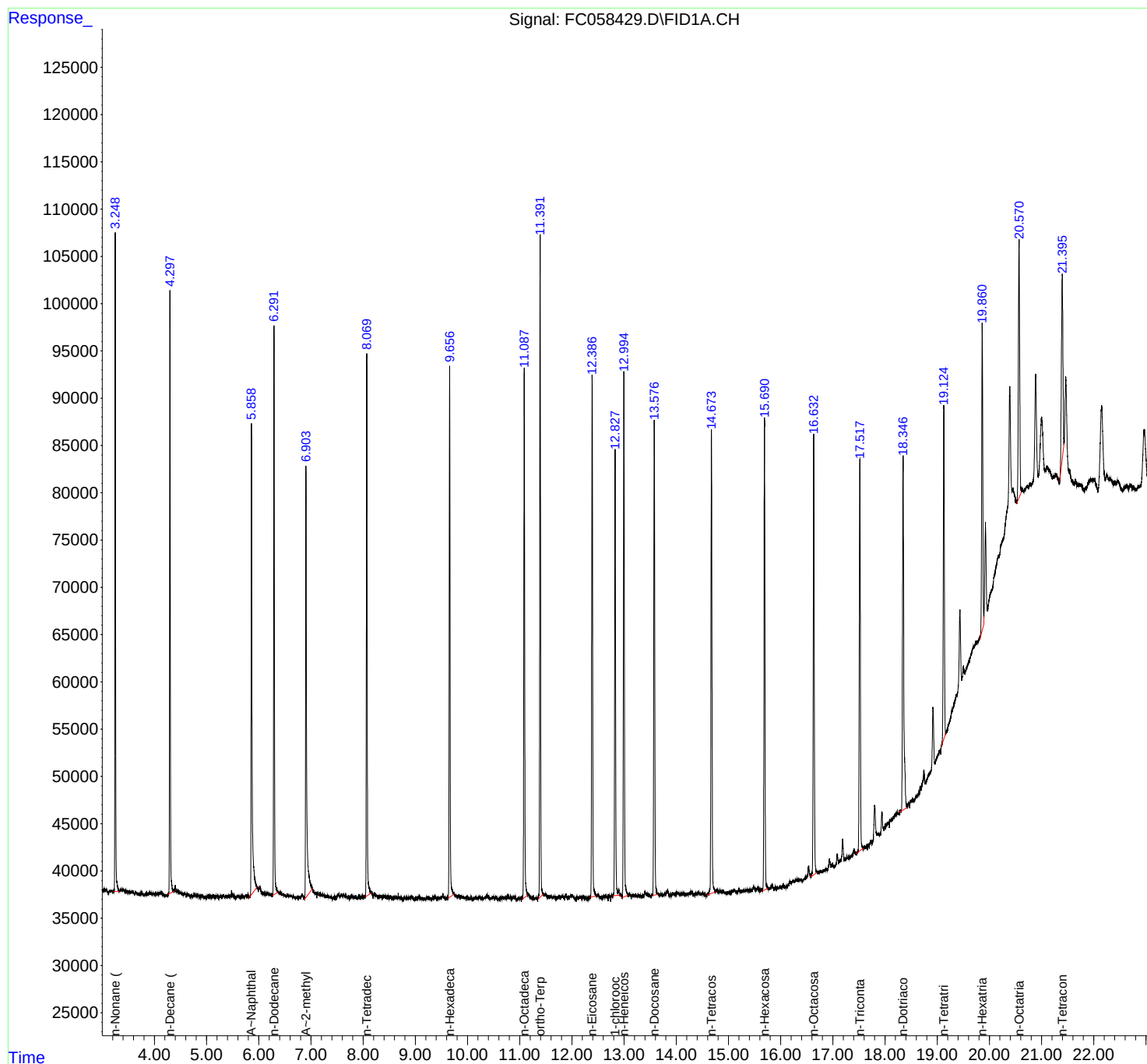
Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

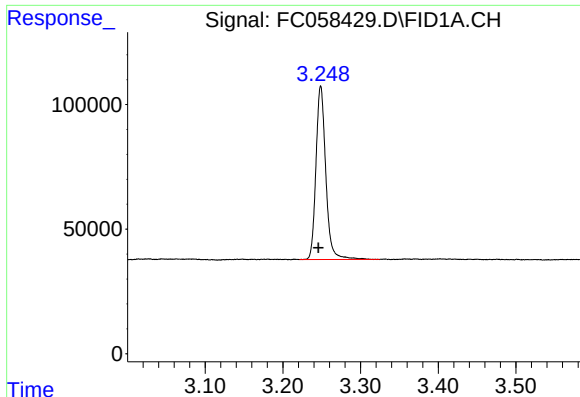
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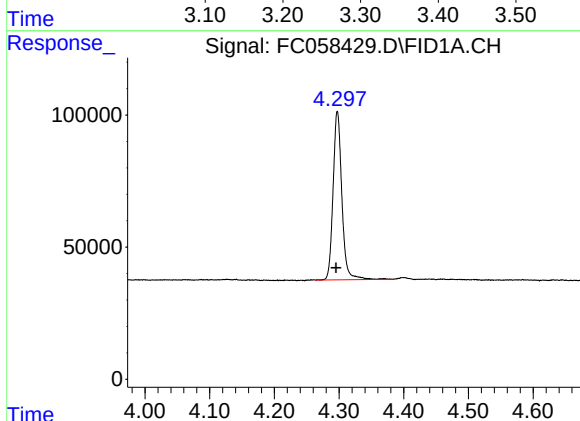
#1 n-Nonane (C9)

R.T.: 3.249 min
Delta R.T.: 0.003 min
Response: 611549
Conc: 5.11 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

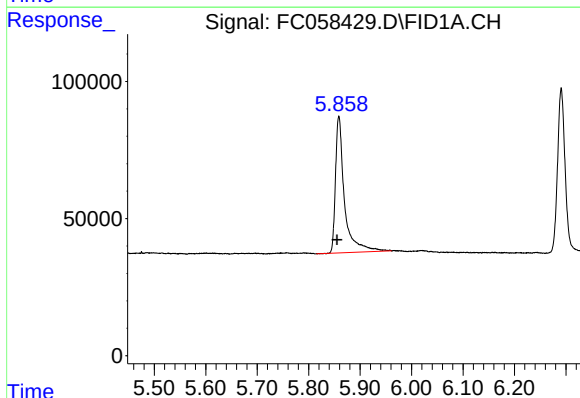
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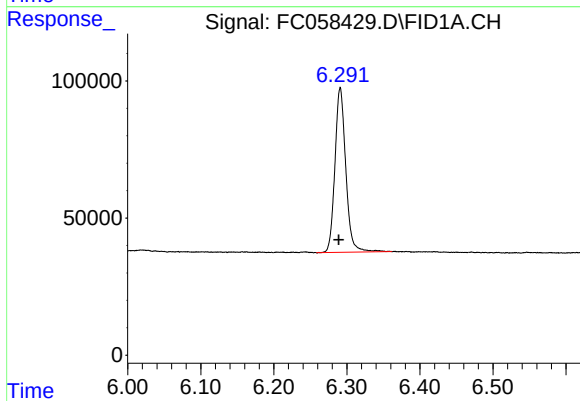
#2 n-Decane (C10)

R.T.: 4.298 min
Delta R.T.: 0.002 min
Response: 601585
Conc: 5.07 ug/ml



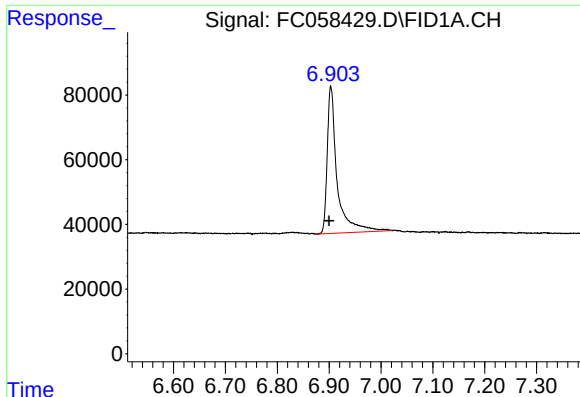
#3 A~Naphthalene (C11.7)

R.T.: 5.859 min
Delta R.T.: 0.004 min
Response: 605906
Conc: 4.59 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.291 min
Delta R.T.: 0.002 min
Response: 619257
Conc: 5.04 ug/ml



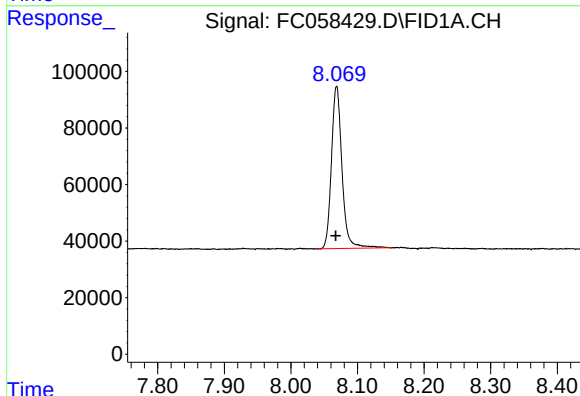
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.903 min
Delta R.T.: 0.003 min
Response: 607357
Conc: 4.58 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

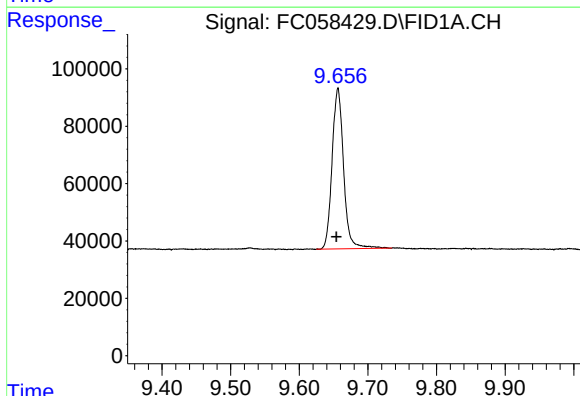
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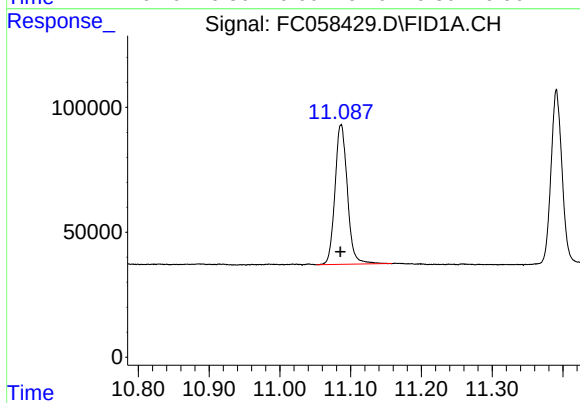
#6 n-Tetradecane (C14)

R.T.: 8.069 min
Delta R.T.: 0.002 min
Response: 632114
Conc: 5.06 ug/ml



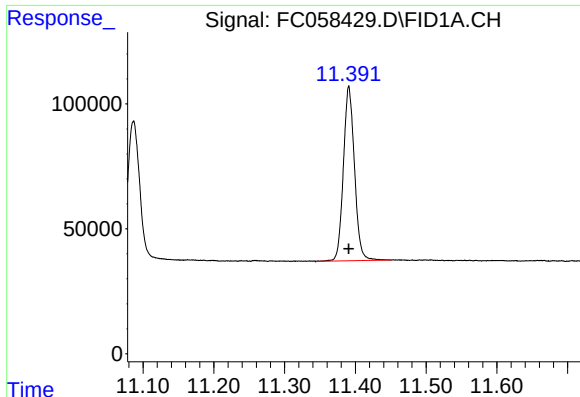
#7 n-Hexadecane (C16)

R.T.: 9.656 min
Delta R.T.: 0.002 min
Response: 653017
Conc: 5.09 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.087 min
Delta R.T.: 0.001 min
Response: 681048
Conc: 5.22 ug/ml



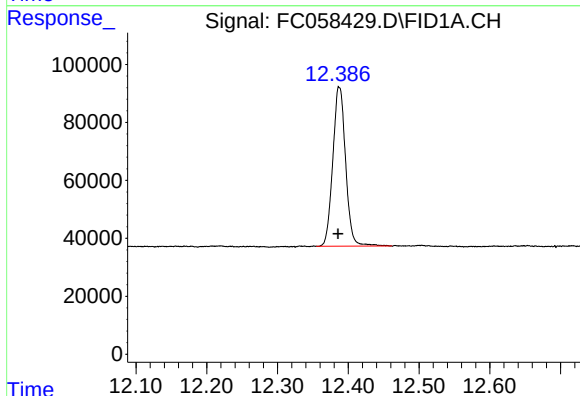
#9 ortho-Terphenyl (SURR)

R.T.: 11.391 min
Delta R.T.: 0.000 min
Response: 759995
Conc: 5.28 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

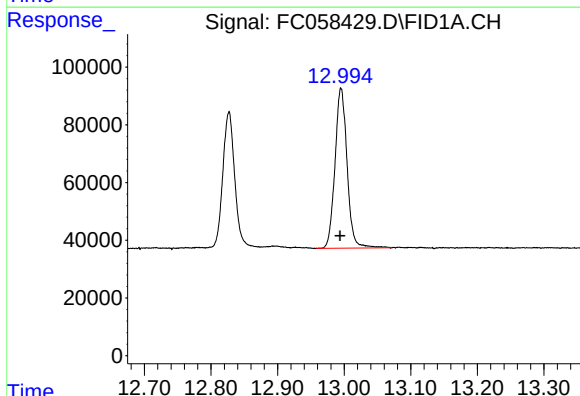
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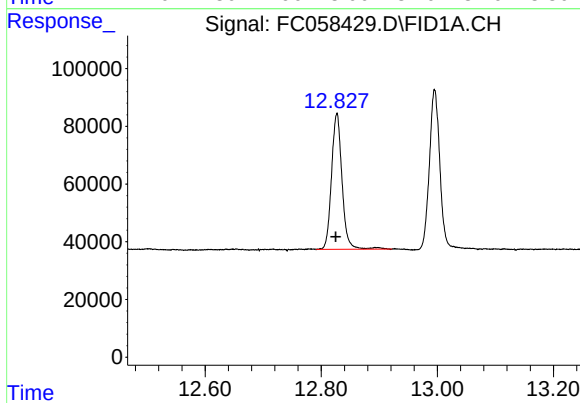
#10 n-Eicosane (C20)

R.T.: 12.387 min
Delta R.T.: 0.002 min
Response: 691753
Conc: 5.33 ug/ml



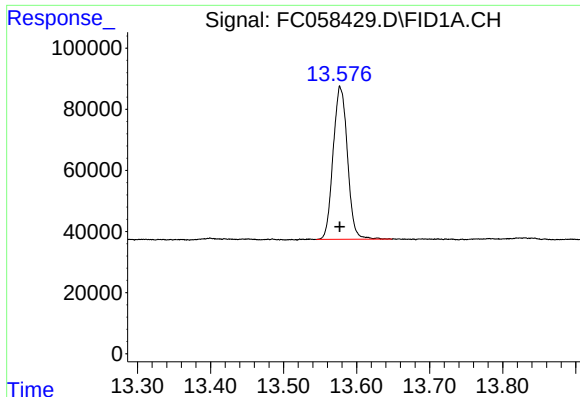
#11 n-Heneicosane (C21)

R.T.: 12.995 min
Delta R.T.: 0.002 min
Response: 699336
Conc: 5.37 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.827 min
Delta R.T.: 0.002 min
Response: 592671
Conc: 5.29 ug/ml



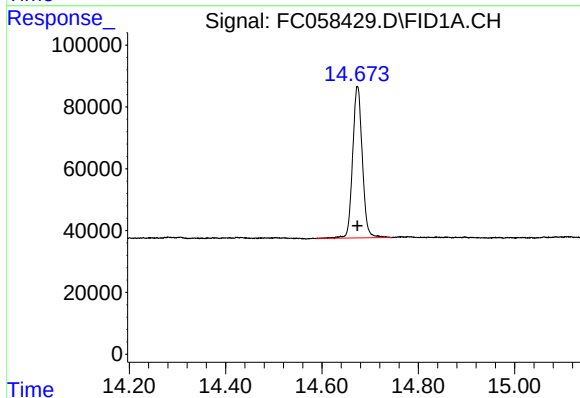
#13 n-Docosane (C22)

R.T.: 13.578 min
Delta R.T.: 0.001 min
Response: 680631
Conc: 5.28 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

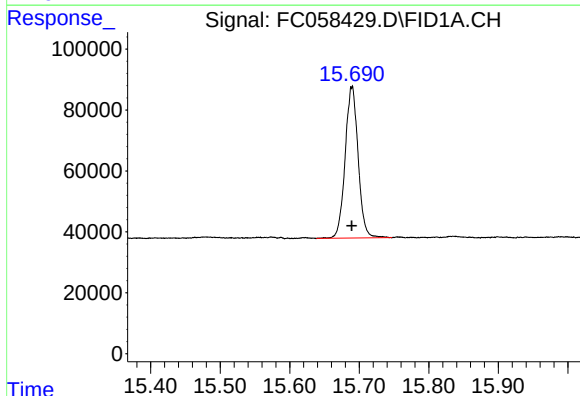
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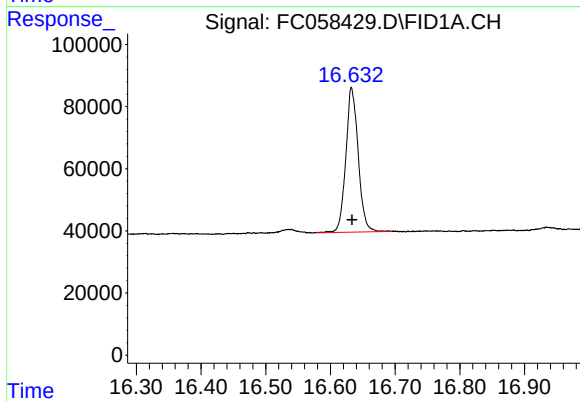
#14 n-Tetracosane (C24)

R.T.: 14.674 min
Delta R.T.: 0.000 min
Response: 684726
Conc: 5.38 ug/ml



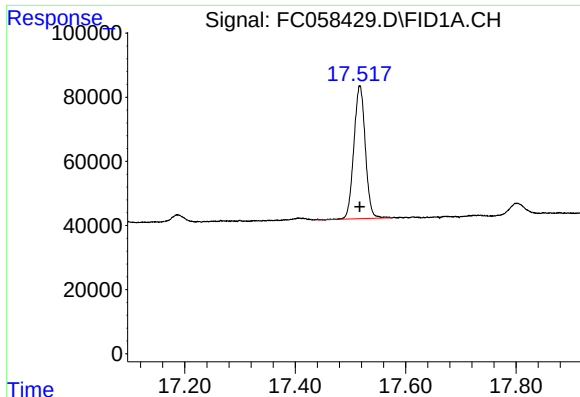
#15 n-Hexacosane (C26)

R.T.: 15.689 min
Delta R.T.: 0.000 min
Response: 644905
Conc: 5.27 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.633 min
Delta R.T.: 0.000 min
Response: 620866
Conc: 5.27 ug/ml



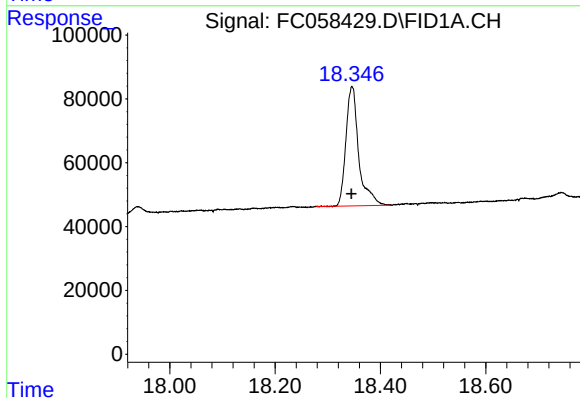
#17 n-Tricontane (C30)

R.T.: 17.517 min
Delta R.T.: 0.000 min
Response: 594914
Conc: 5.36 ug/ml

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5 PPM ALIPHATIC HC STD5

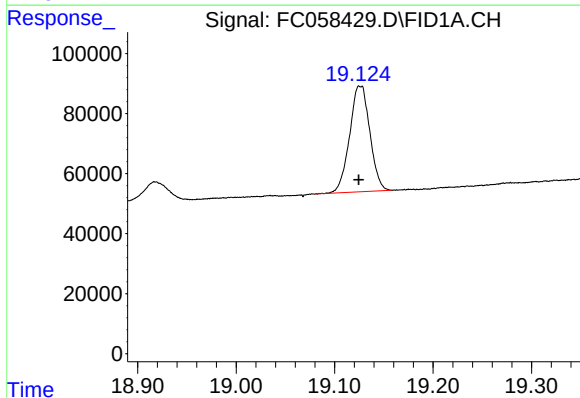
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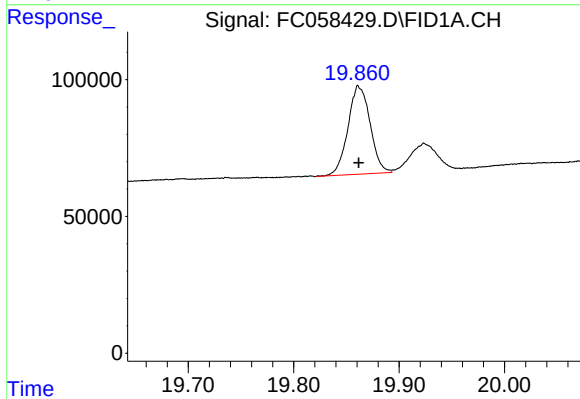
#18 n-Dotriacontane (C32)

R.T.: 18.346 min
Delta R.T.: 0.000 min
Response: 634106
Conc: 6.17 ug/ml



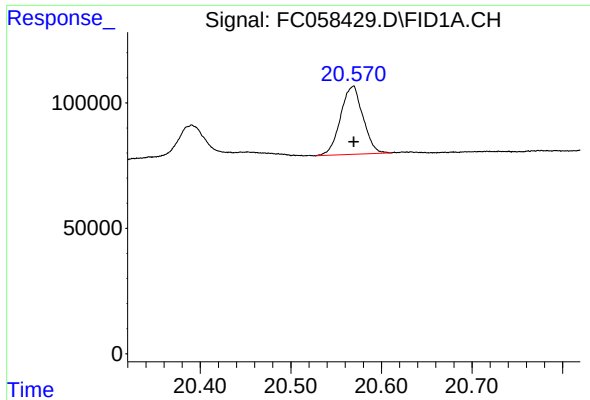
#19 n-Tetratriacontane (C34)

R.T.: 19.126 min
Delta R.T.: 0.001 min
Response: 503581
Conc: 5.25 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.862 min
Delta R.T.: 0.000 min
Response: 470668
Conc: 5.27 ug/ml



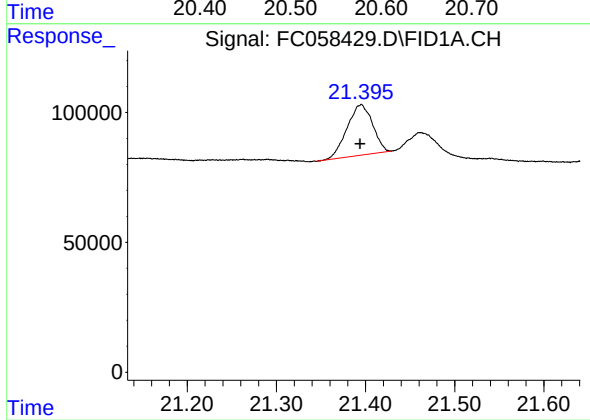
#21 n-Octatriacontane (C38)

R.T.: 20.568 min
Delta R.T.: -0.001 min
Response: 465487
Conc: 5.44 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.395 min
Delta R.T.: 0.000 min
Response: 386683
Conc: 4.52 ug/ml