

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051622AL\
 Data File : FC059795.D
 Signal(s) : FID1A.CH
 Acq On : 17 May 2022 6:06
 Operator : UA/NP
 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 05/17/2022
 Supervised By :mohammad ahmed 05/17/2022

Integration File: sample.E
 Quant Time: May 17 06:54:37 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050522.M
 Quant Title : GC Extractables
 QLast Update : Mon May 09 11:12:42 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)	10.652	2751029	18.734 ug/ml
Spiked Amount 50.000		Recovery =	37.47%
12) S 1-chlorooctadecane (S...	12.023	2154023	18.718 ug/ml
Spiked Amount 50.000		Recovery =	37.44%
Target Compounds			
1) T n-Nonane (C9)	2.629	2463054	19.287 ug/ml
2) T n-Decane (C10)	3.628	2556848	20.189 ug/ml
3) T A~Naphthalene (C11.7)	5.165	2859585	19.421 ug/ml
4) T n-Dodecane (C12)	5.582	2656674	20.202 ug/ml
5) T A~2-methylnaphthalene...	6.189	2929880	19.491 ug/ml
6) T n-Tetradecane (C14)	7.334	2680603	19.921 ug/ml
7) T n-Hexadecane (C16)	8.899	2686510	19.579 ug/ml
8) T n-Octadecane (C18)	10.308	2657321	19.283 ug/ml
10) T n-Eicosane (C20)	11.588	2548242	18.947 ug/ml
11) T n-Heneicosane (C21)	12.186	2499034	18.733 ug/ml
13) T n-Docosane (C22)	12.760	2482019	18.912 ug/ml
14) T n-Tetracosane (C24)	13.838	2457072	19.528 ug/ml
15) T n-Hexacosane (C26)	14.836	2344909	19.634 ug/ml
16) T n-Octacosane (C28)	15.764	2339368	20.549 ug/ml
17) T n-Tricontane (C30)	16.631	2472336	22.491 ug/ml
18) T n-Dotriacontane (C32)	17.445	2421469	23.422 ug/mlm
19) T n-Tetratriacontane (C34)	18.210	2213481	22.672 ug/mlm
20) T n-Hexatriacontane (C36)	18.931	2002108	21.567 ug/mlm
21) T n-Octatriacontane (C38)	19.616	2010205	21.117 ug/mlm
22) T n-Tetracontane (C40)	20.266	1870662	19.761 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

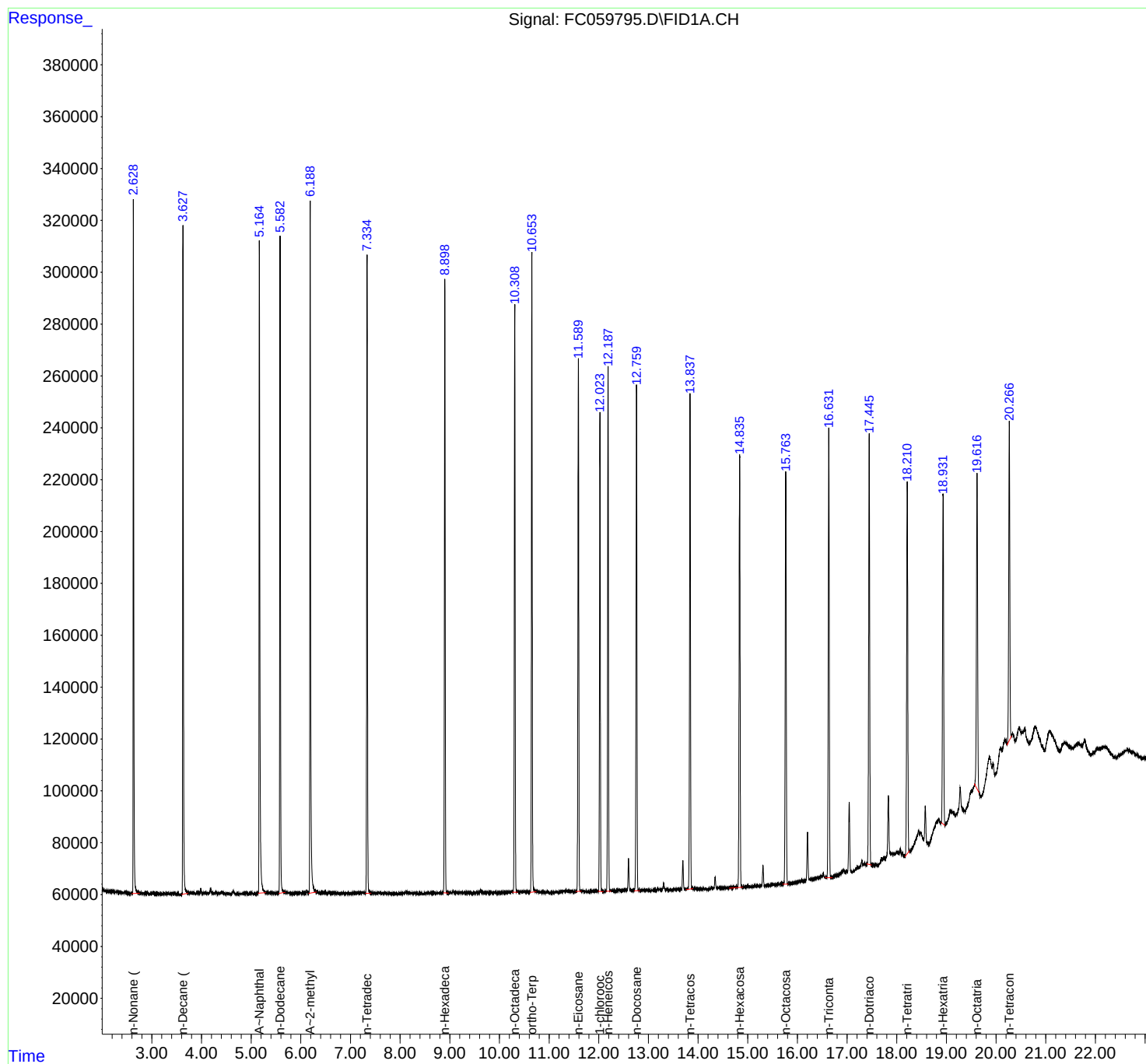
Instrument :
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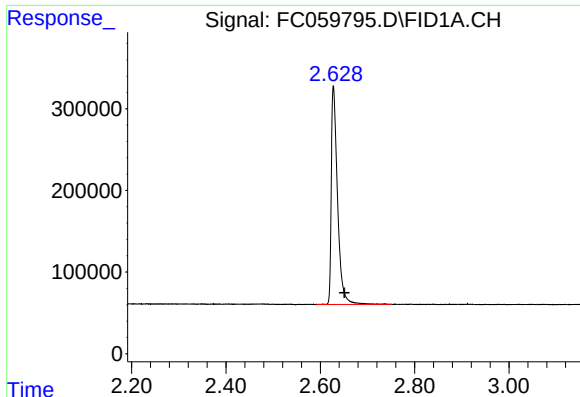
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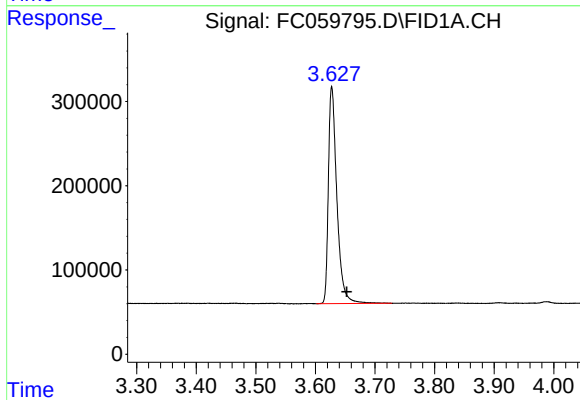
#1 n-Nonane (C9)

R.T.: 2.629 min
Delta R.T.: -0.022 min
Response: 2463054
Conc: 19.29 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

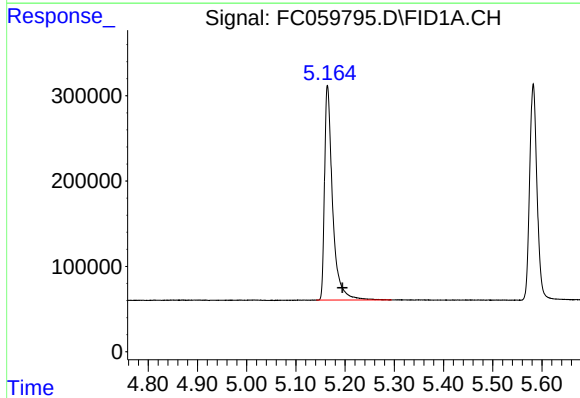
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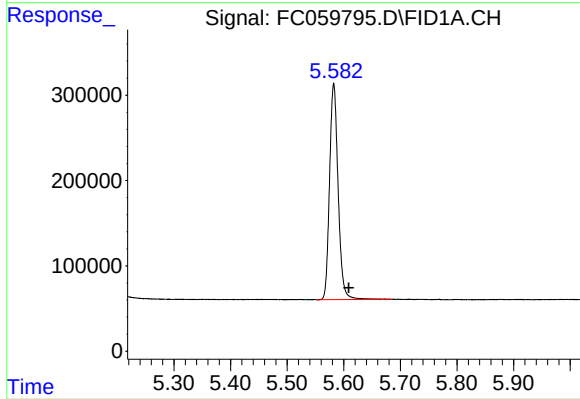
#2 n-Decane (C10)

R.T.: 3.628 min
Delta R.T.: -0.025 min
Response: 2556848
Conc: 20.19 ug/ml



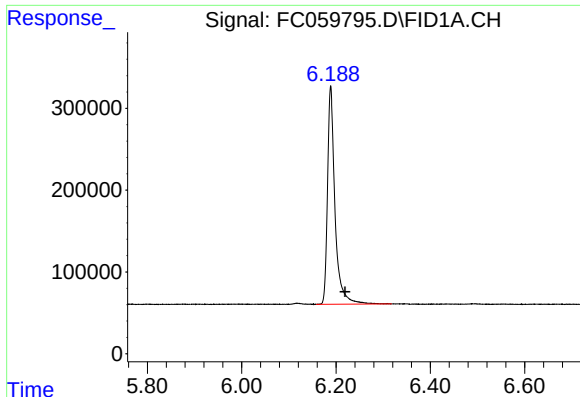
#3 A~Naphthalene (C11.7)

R.T.: 5.165 min
Delta R.T.: -0.029 min
Response: 2859585
Conc: 19.42 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.582 min
Delta R.T.: -0.026 min
Response: 2656674
Conc: 20.20 ug/ml



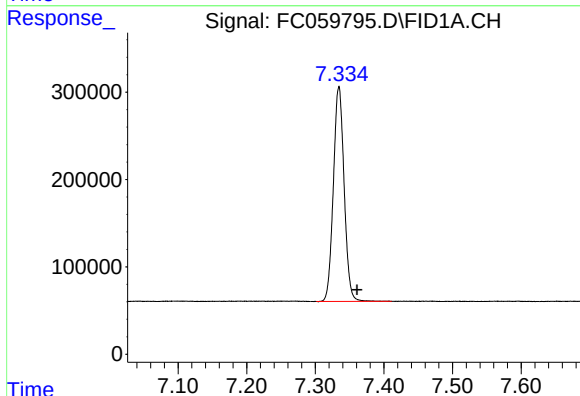
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.189 min
Delta R.T.: -0.030 min
Response: 2929880
Conc: 19.49 ug/ml

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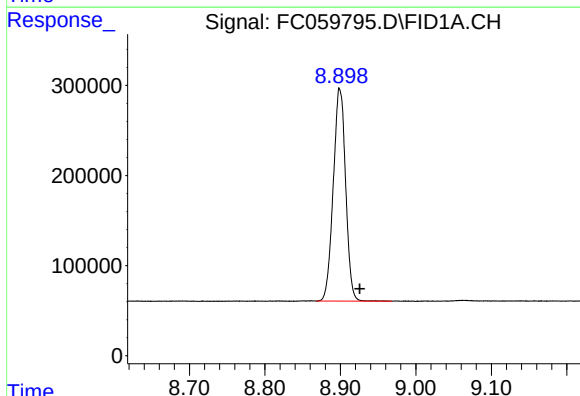
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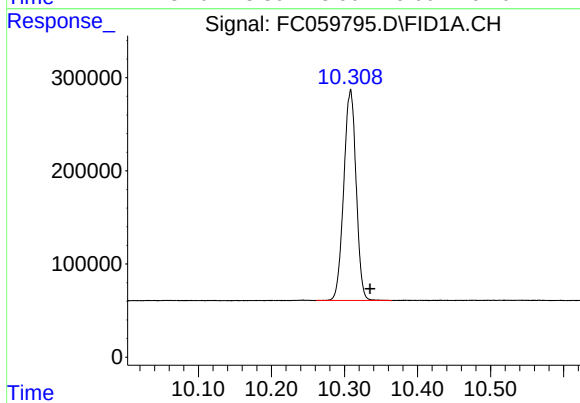
#6 n-Tetradecane (C14)

R.T.: 7.334 min
Delta R.T.: -0.027 min
Response: 2680603
Conc: 19.92 ug/ml



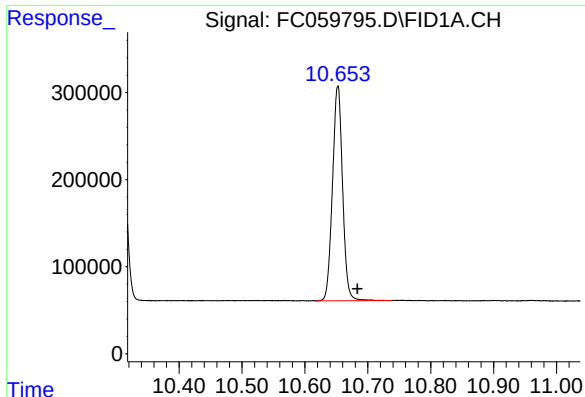
#7 n-Hexadecane (C16)

R.T.: 8.899 min
Delta R.T.: -0.026 min
Response: 2686510
Conc: 19.58 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.308 min
Delta R.T.: -0.027 min
Response: 2657321
Conc: 19.28 ug/ml



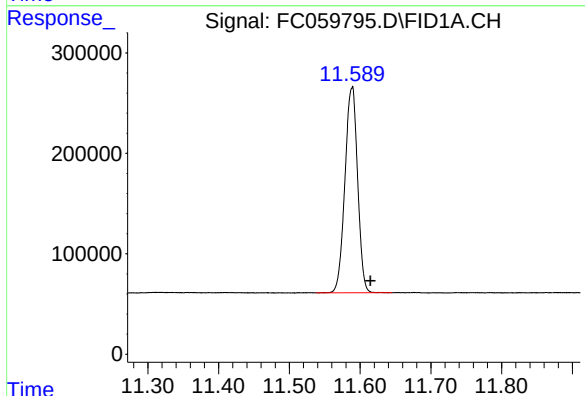
#9 ortho-Terphenyl (SURR)

R.T.: 10.652 min
Delta R.T.: -0.031 min
Response: 2751029
Conc: 18.73 ug/ml

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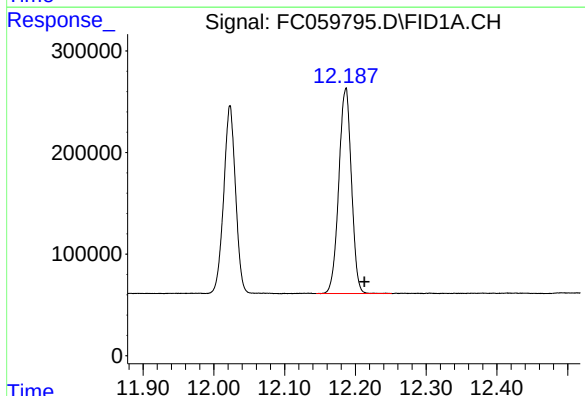
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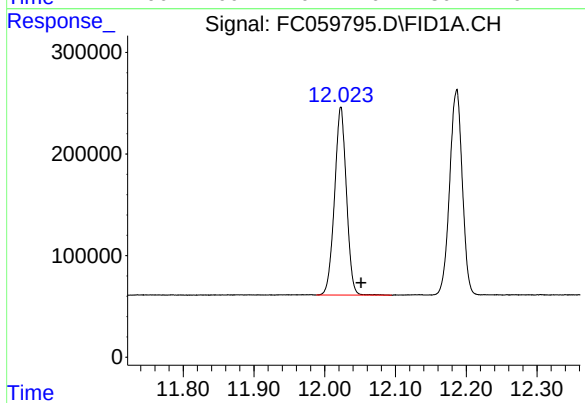
#10 n-Eicosane (C20)

R.T.: 11.588 min
Delta R.T.: -0.026 min
Response: 2548242
Conc: 18.95 ug/ml



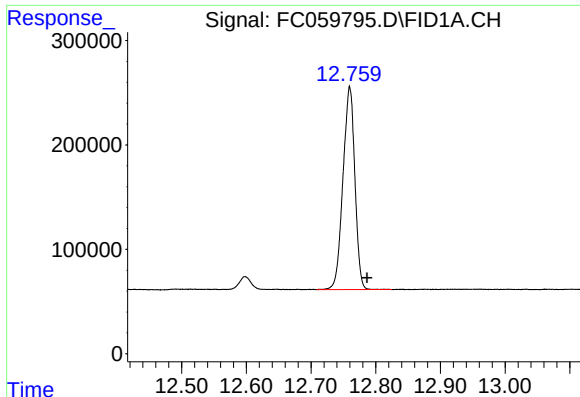
#11 n-Heneicosane (C21)

R.T.: 12.186 min
Delta R.T.: -0.027 min
Response: 2499034
Conc: 18.73 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.023 min
Delta R.T.: -0.028 min
Response: 2154023
Conc: 18.72 ug/ml



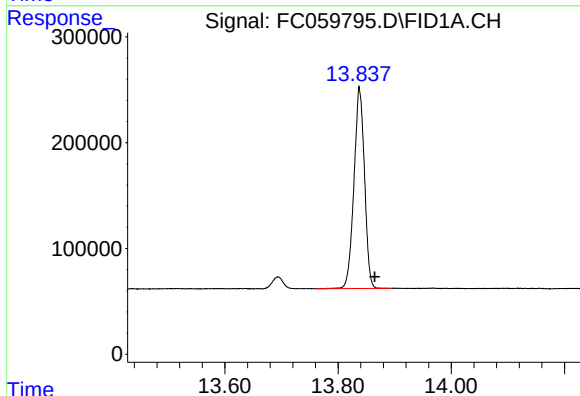
#13 n-Docosane (C22)

R.T.: 12.760 min
Delta R.T.: -0.027 min
Response: 2482019
Conc: 18.91 ug/ml

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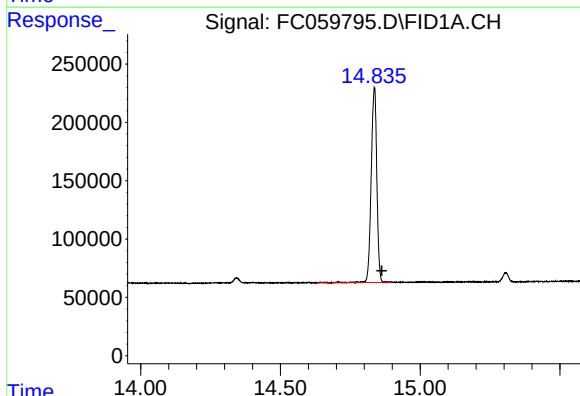
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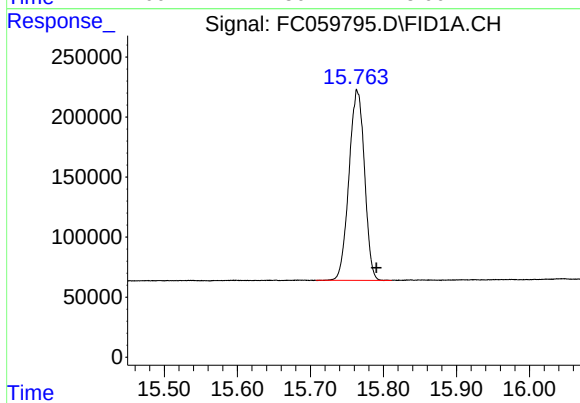
#14 n-Tetracosane (C24)

R.T.: 13.838 min
Delta R.T.: -0.027 min
Response: 2457072
Conc: 19.53 ug/ml



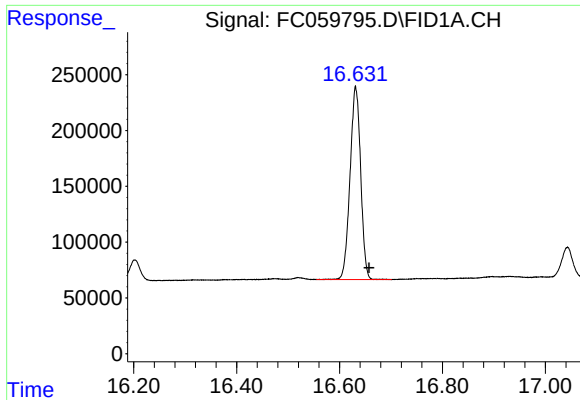
#15 n-Hexacosane (C26)

R.T.: 14.836 min
Delta R.T.: -0.027 min
Response: 2344909
Conc: 19.63 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.764 min
Delta R.T.: -0.026 min
Response: 2339368
Conc: 20.55 ug/ml



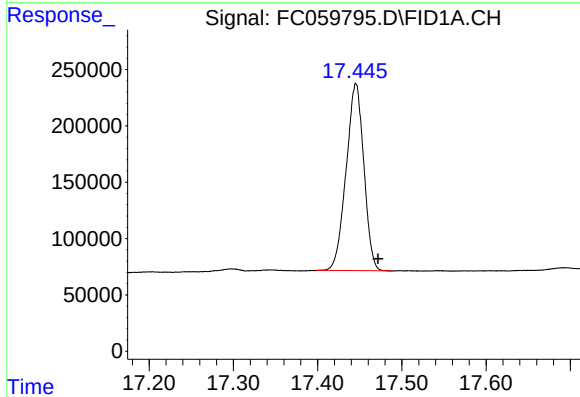
#17 n-Tricontane (C30)

R.T.: 16.631 min
Delta R.T.: -0.026 min
Response: 2472336
Conc: 22.49 ug/ml

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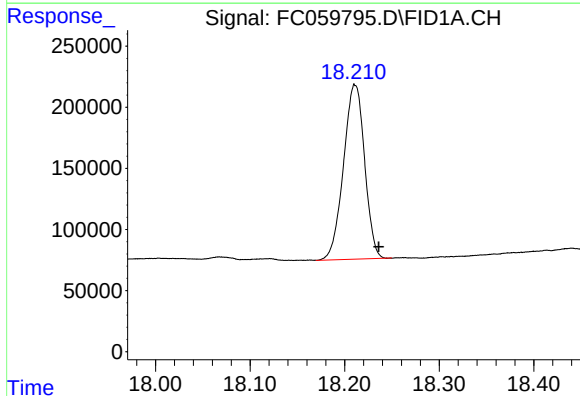
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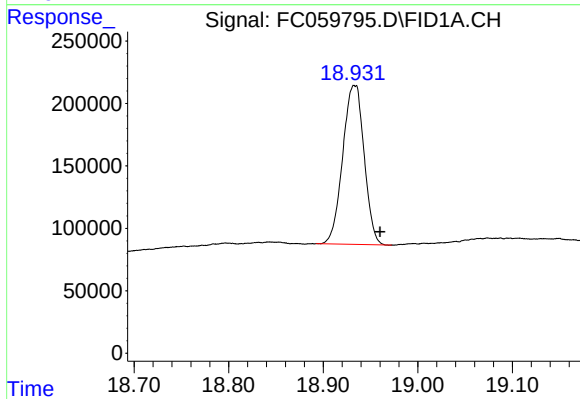
#18 n-Dotriacontane (C32)

R.T.: 17.445 min
Delta R.T.: -0.027 min
Response: 2421469
Conc: 23.42 ug/ml m



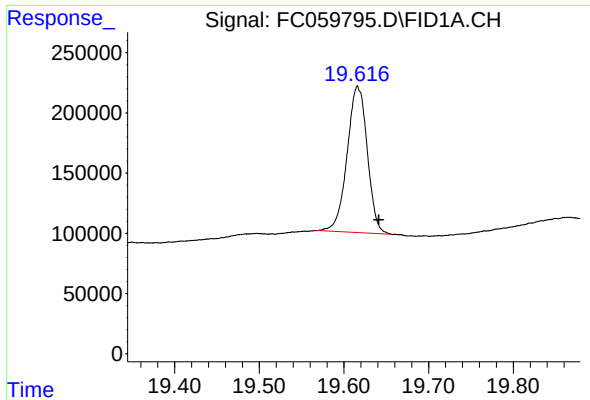
#19 n-Tetratriacontane (C34)

R.T.: 18.210 min
Delta R.T.: -0.026 min
Response: 2213481
Conc: 22.67 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 18.931 min
Delta R.T.: -0.029 min
Response: 2002108
Conc: 21.57 ug/ml m



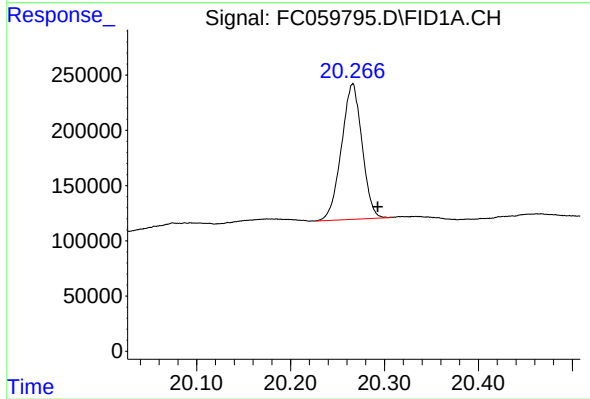
#21 n-Octatriacontane (C38)

R.T.: 19.616 min
Delta R.T.: -0.025 min
Response: 2010205
Conc: 21.12 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.266 min
Delta R.T.: -0.027 min
Response: 1870662
Conc: 19.76 ug/ml m