

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111521AL\
 Data File : FC056795.D
 Signal(s) : FID1A.CH
 Acq On : 15 Nov 2021 10:51
 Operator : AJ\MA
 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 :Ankita Jodhani 11/16/2021
 Supervised By :mohammad ahmed 11/16/2021

Integration File: autoint1.e
 Quant Time: Nov 15 12:01:26 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102121.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 21 01:00:25 2021
 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)	11.611	1955817	15.796 ug/ml
Spiked Amount 50.000		Recovery =	31.59%
12) S 1-chlorooctadecane (S...	13.043	1508020	15.672 ug/ml
Spiked Amount 50.000		Recovery =	31.34%
Target Compounds			
1) T n-Nonane (C9)	3.367	1954740	18.060 ug/mlm
2) T n-Decane (C10)	4.435	1952779	18.129 ug/ml
3) T A~Naphthalene (C11.7)	6.027	2141465	17.564 ug/ml
4) T n-Dodecane (C12)	6.455	1971039	17.880 ug/ml
5) T A~2-methylnaphthalene...	7.085	2121075	17.320 ug/ml
6) T n-Tetradecane (C14)	8.250	1969791	17.545 ug/ml
7) T n-Hexadecane (C16)	9.849	1934404	17.015 ug/ml
8) T n-Octadecane (C18)	11.290	1934328	16.553 ug/ml
10) T n-Eicosane (C20)	12.598	1846141	16.064 ug/ml
11) T n-Heneicosane (C21)	13.208	1824436	15.875 ug/ml
13) T n-Docosane (C22)	13.794	1764993	15.677 ug/ml
14) T n-Tetracosane (C24)	14.894	1695723	15.387 ug/ml
15) T n-Hexacosane (C26)	15.912	1633762	15.479 ug/ml
16) T n-Octacosane (C28)	16.858	1605134	15.475 ug/ml
17) T n-Tricontane (C30)	17.742	1587298	15.320 ug/ml
18) T n-Dotriacontane (C32)	18.571	1590681	16.603 ug/ml
19) T n-Tetratriacontane (C34)	19.351	1598008	18.219 ug/ml
20) T n-Hexatriacontane (C36)	20.089	1629856	19.912 ug/mlm
21) T n-Octatriacontane (C38)	20.823	1539916	19.255 ug/ml
22) T n-Tetracontane (C40)	21.736	1586130	19.252 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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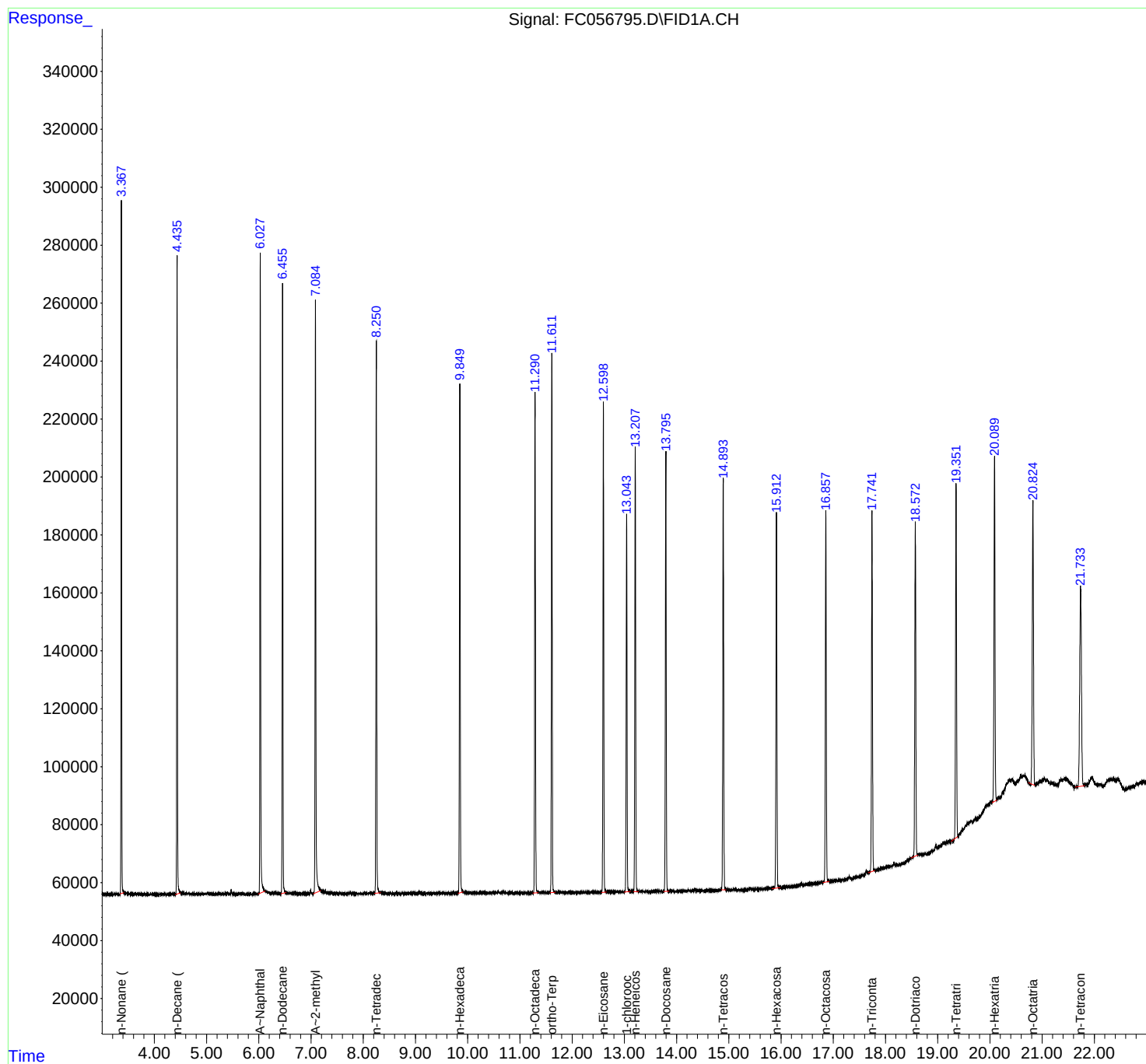
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20 PPM ALIPHATIC HC STD

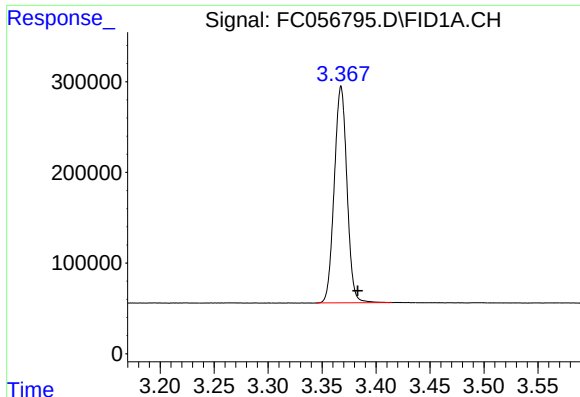
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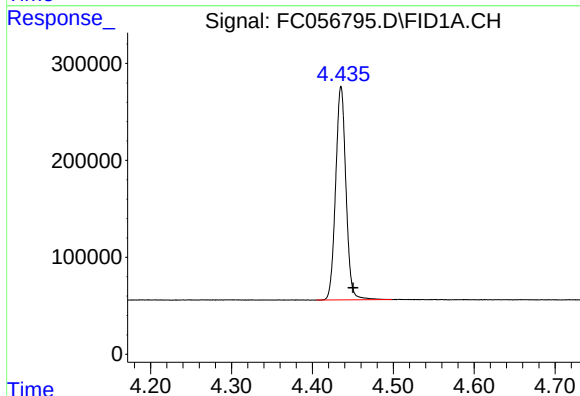
#1 n-Nonane (C9)

R.T.: 3.367 min
Delta R.T.: -0.016 min
Response: 1954740
Conc: 18.06 ug/ml

Instrument :
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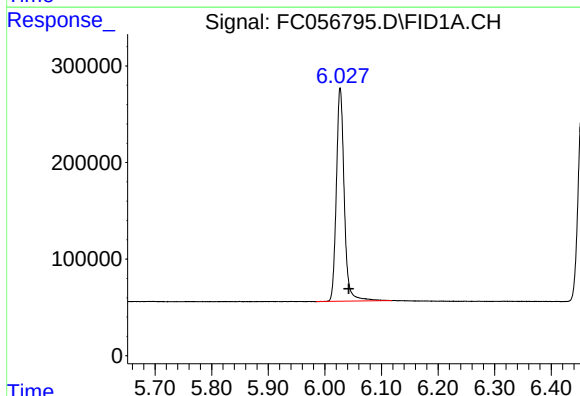
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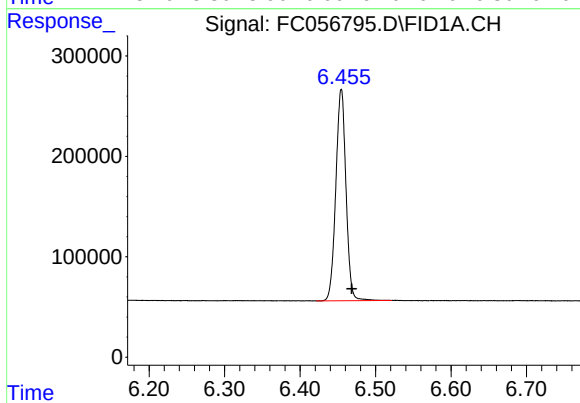
#2 n-Decane (C10)

R.T.: 4.435 min
Delta R.T.: -0.015 min
Response: 1952779
Conc: 18.13 ug/ml



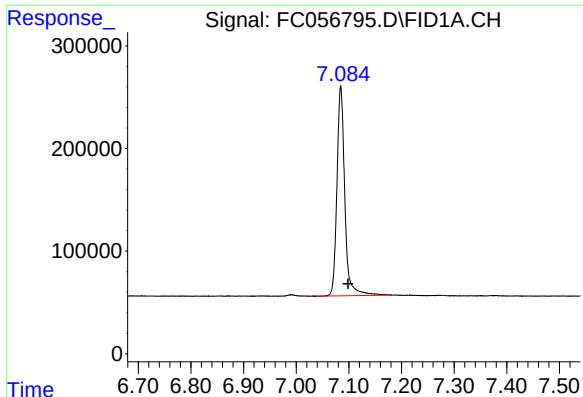
#3 A~Naphthalene (C11.7)

R.T.: 6.027 min
Delta R.T.: -0.015 min
Response: 2141465
Conc: 17.56 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.455 min
Delta R.T.: -0.014 min
Response: 1971039
Conc: 17.88 ug/ml



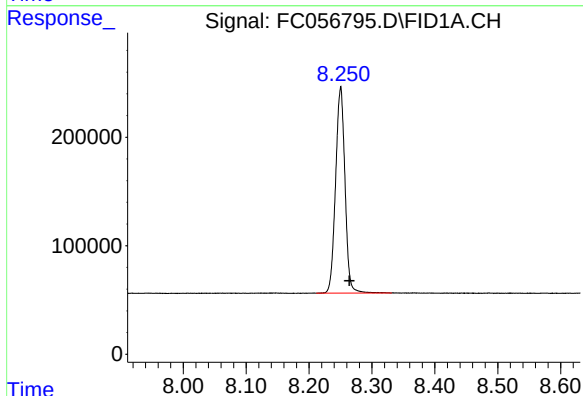
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.085 min
Delta R.T.: -0.014 min
Response: 2121075
Conc: 17.32 ug/ml

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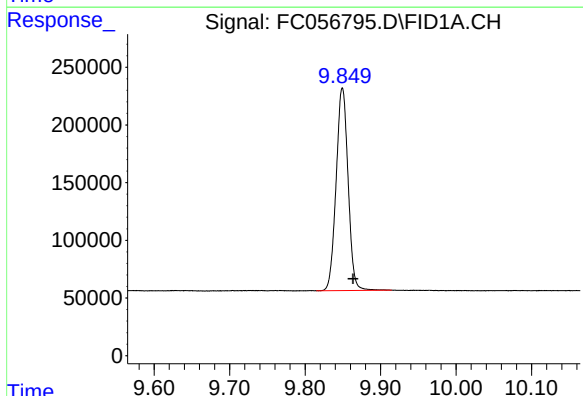
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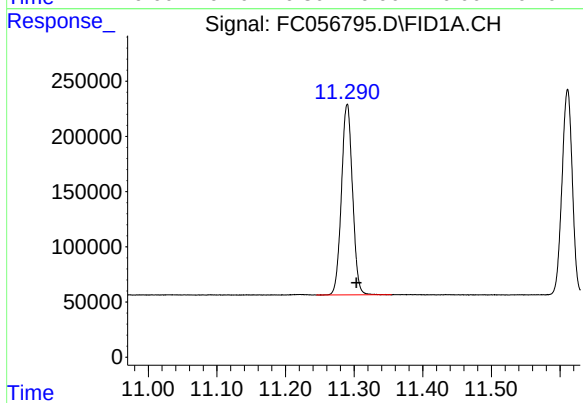
#6 n-Tetradecane (C14)

R.T.: 8.250 min
Delta R.T.: -0.014 min
Response: 1969791
Conc: 17.55 ug/ml



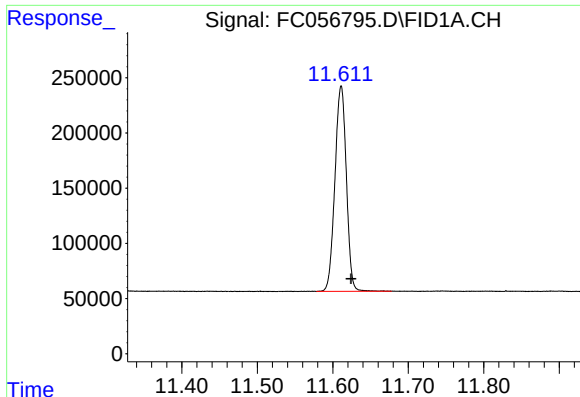
#7 n-Hexadecane (C16)

R.T.: 9.849 min
Delta R.T.: -0.014 min
Response: 1934404
Conc: 17.01 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.290 min
Delta R.T.: -0.014 min
Response: 1934328
Conc: 16.55 ug/ml



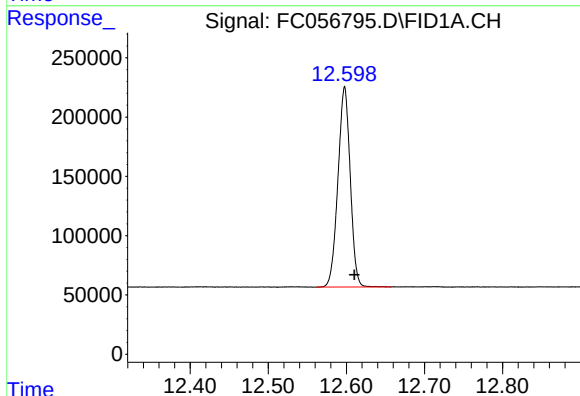
#9 ortho-Terphenyl (SURR)

R.T.: 11.611 min
Delta R.T.: -0.013 min
Response: 1955817
Conc: 15.80 ug/ml

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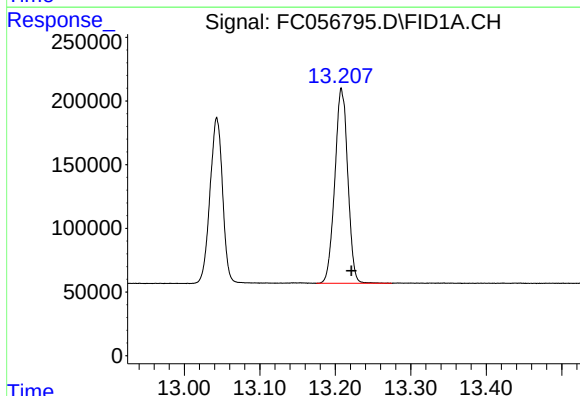
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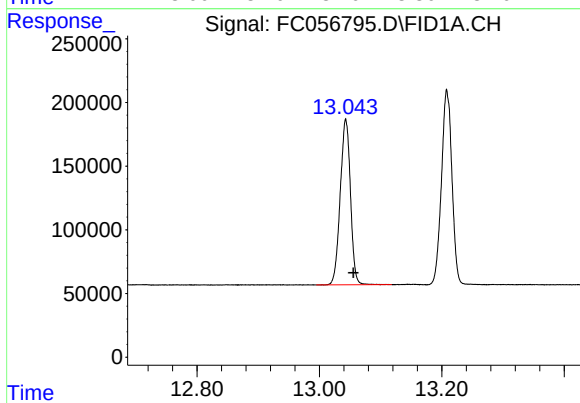
#10 n-Eicosane (C20)

R.T.: 12.598 min
Delta R.T.: -0.013 min
Response: 1846141
Conc: 16.06 ug/ml



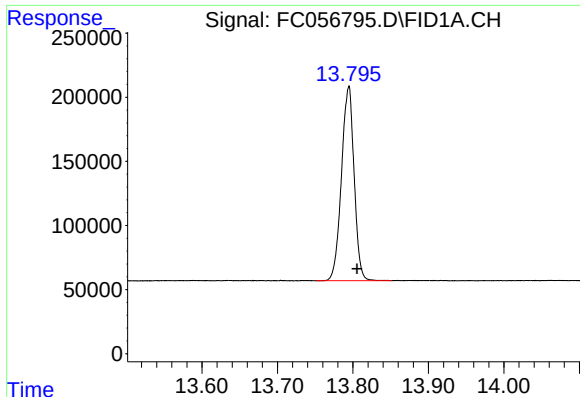
#11 n-Heneicosane (C21)

R.T.: 13.208 min
Delta R.T.: -0.013 min
Response: 1824436
Conc: 15.88 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.043 min
Delta R.T.: -0.012 min
Response: 1508020
Conc: 15.67 ug/ml



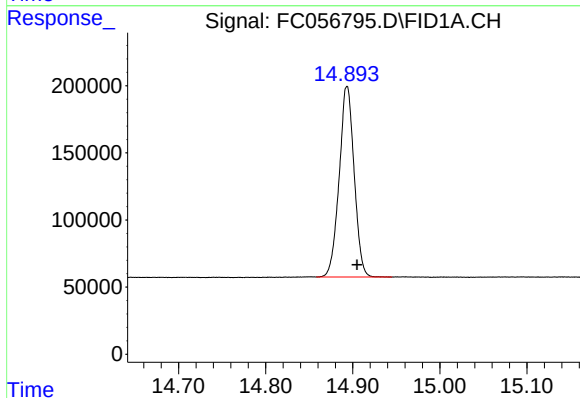
#13 n-Docosane (C22)

R.T.: 13.794 min
Delta R.T.: -0.012 min
Response: 1764993
Conc: 15.68 ug/ml

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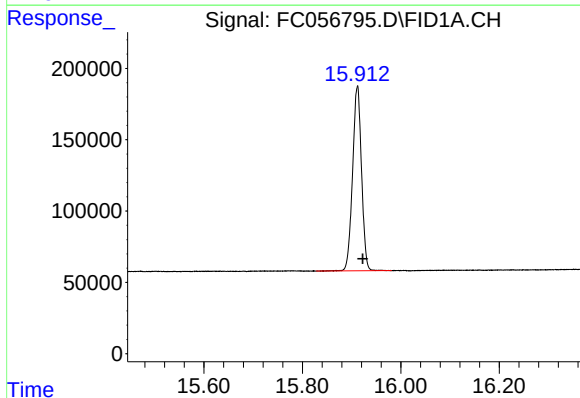
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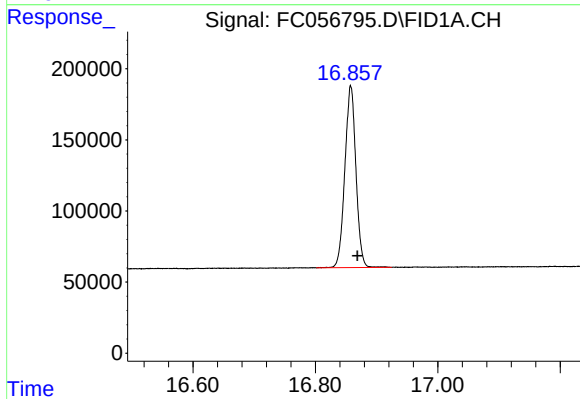
#14 n-Tetracosane (C24)

R.T.: 14.894 min
Delta R.T.: -0.011 min
Response: 1695723
Conc: 15.39 ug/ml



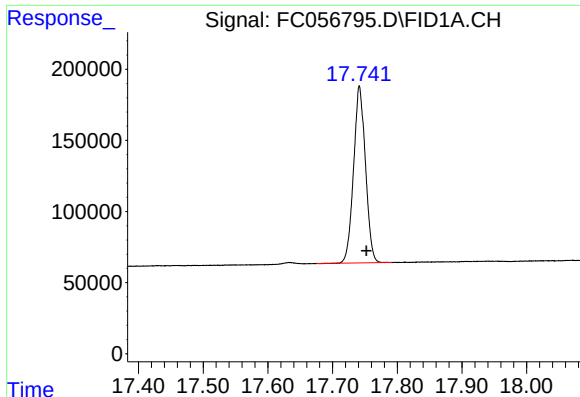
#15 n-Hexacosane (C26)

R.T.: 15.912 min
Delta R.T.: -0.011 min
Response: 1633762
Conc: 15.48 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.858 min
Delta R.T.: -0.011 min
Response: 1605134
Conc: 15.47 ug/ml



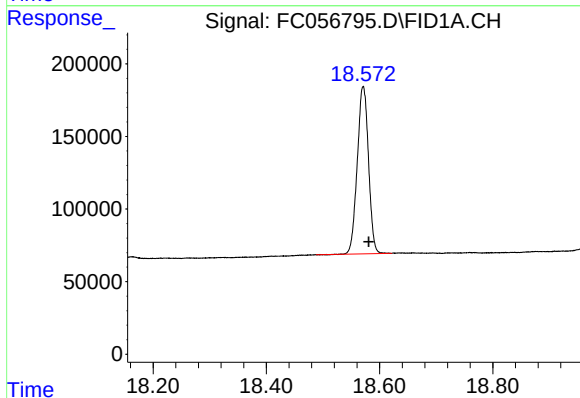
#17 n-Tricontane (C30)

R.T.: 17.742 min
Delta R.T.: -0.010 min
Response: 1587298
Conc: 15.32 ug/ml

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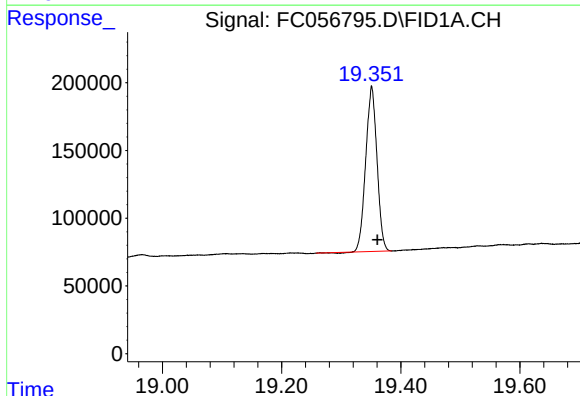
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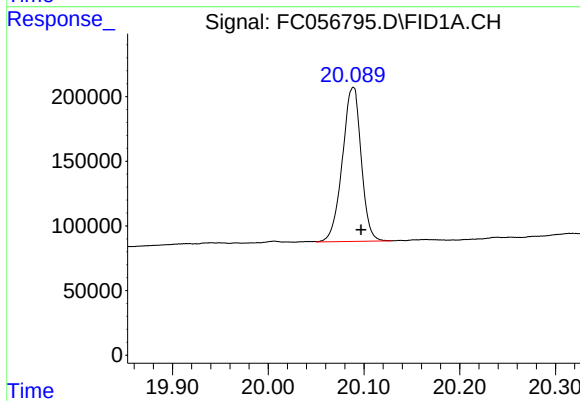
#18 n-Dotriacontane (C32)

R.T.: 18.571 min
Delta R.T.: -0.010 min
Response: 1590681
Conc: 16.60 ug/ml



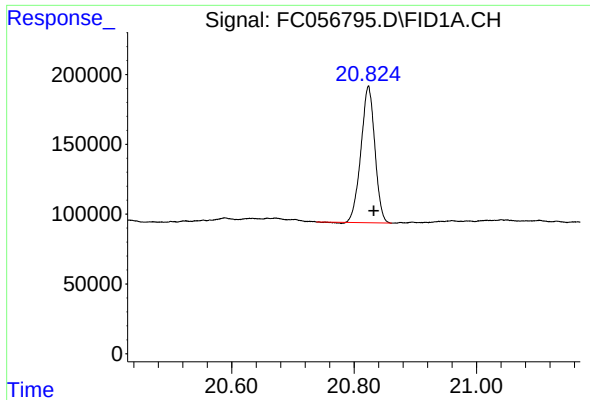
#19 n-Tetratriacontane (C34)

R.T.: 19.351 min
Delta R.T.: -0.009 min
Response: 1598008
Conc: 18.22 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.089 min
Delta R.T.: -0.008 min
Response: 1629856
Conc: 19.91 ug/ml m



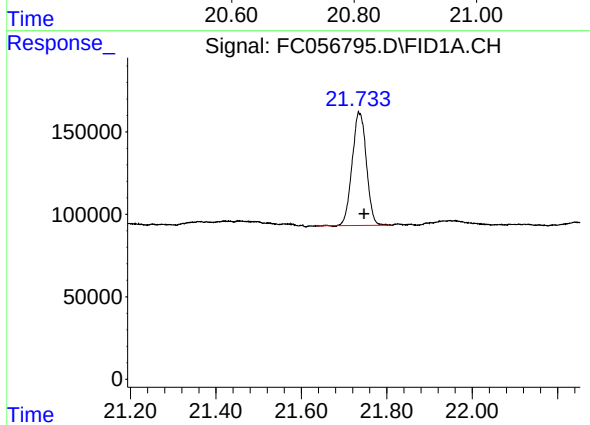
#21 n-Octatriacontane (C38)

R.T.: 20.823 min
Delta R.T.: -0.009 min
Response: 1539916
Conc: 19.25 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.736 min
Delta R.T.: -0.011 min
Response: 1586130
Conc: 19.25 ug/ml