

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111221AL\
 Data File : FC056792.D
 Signal(s) : FID1A.CH
 Acq On : 13 Nov 2021 14:57
 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 11/15/2021
 Supervised By :mohammad ahmed 11/15/2021

Integration File: autoint1.e
 Quant Time: Nov 15 00:12:04 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)	11.610	2114927	17.081 ug/ml
Spiked Amount 50.000		Recovery =	34.16%
12) S 1-chlorooctadecane (S...	13.041	1623650	16.874 ug/ml
Spiked Amount 50.000		Recovery =	33.75%
Target Compounds			
1) T n-Nonane (C9)	3.367	2134516	19.721 ug/mlm
2) T n-Decane (C10)	4.435	2155610	20.011 ug/ml
3) T A~Naphthalene (C11.7)	6.026	2359714	19.355 ug/ml
4) T n-Dodecane (C12)	6.454	2162645	19.618 ug/ml
5) T A~2-methylnaphthalene...	7.083	2338284	19.094 ug/ml
6) T n-Tetradecane (C14)	8.249	2143608	19.094 ug/ml
7) T n-Hexadecane (C16)	9.849	2101393	18.484 ug/ml
8) T n-Octadecane (C18)	11.289	2100755	17.977 ug/ml
10) T n-Eicosane (C20)	12.596	1993773	17.348 ug/ml
11) T n-Heneicosane (C21)	13.207	1963441	17.085 ug/ml
13) T n-Docosane (C22)	13.792	1911498	16.978 ug/ml
14) T n-Tetracosane (C24)	14.892	1880504	17.064 ug/ml
15) T n-Hexacosane (C26)	15.910	1814018	17.187 ug/ml
16) T n-Octacosane (C28)	16.856	1810940	17.459 ug/ml
17) T n-Tricontane (C30)	17.741	1839392	17.753 ug/ml
18) T n-Dotriacontane (C32)	18.570	1840031	19.205 ug/ml
19) T n-Tetratriacontane (C34)	19.350	1849773	21.090 ug/ml
20) T n-Hexatriacontane (C36)	20.087	1811017	22.126 ug/mlm
21) T n-Octatriacontane (C38)	20.820	1761767	22.029 ug/ml
22) T n-Tetracontane (C40)	21.733	1798758	21.832 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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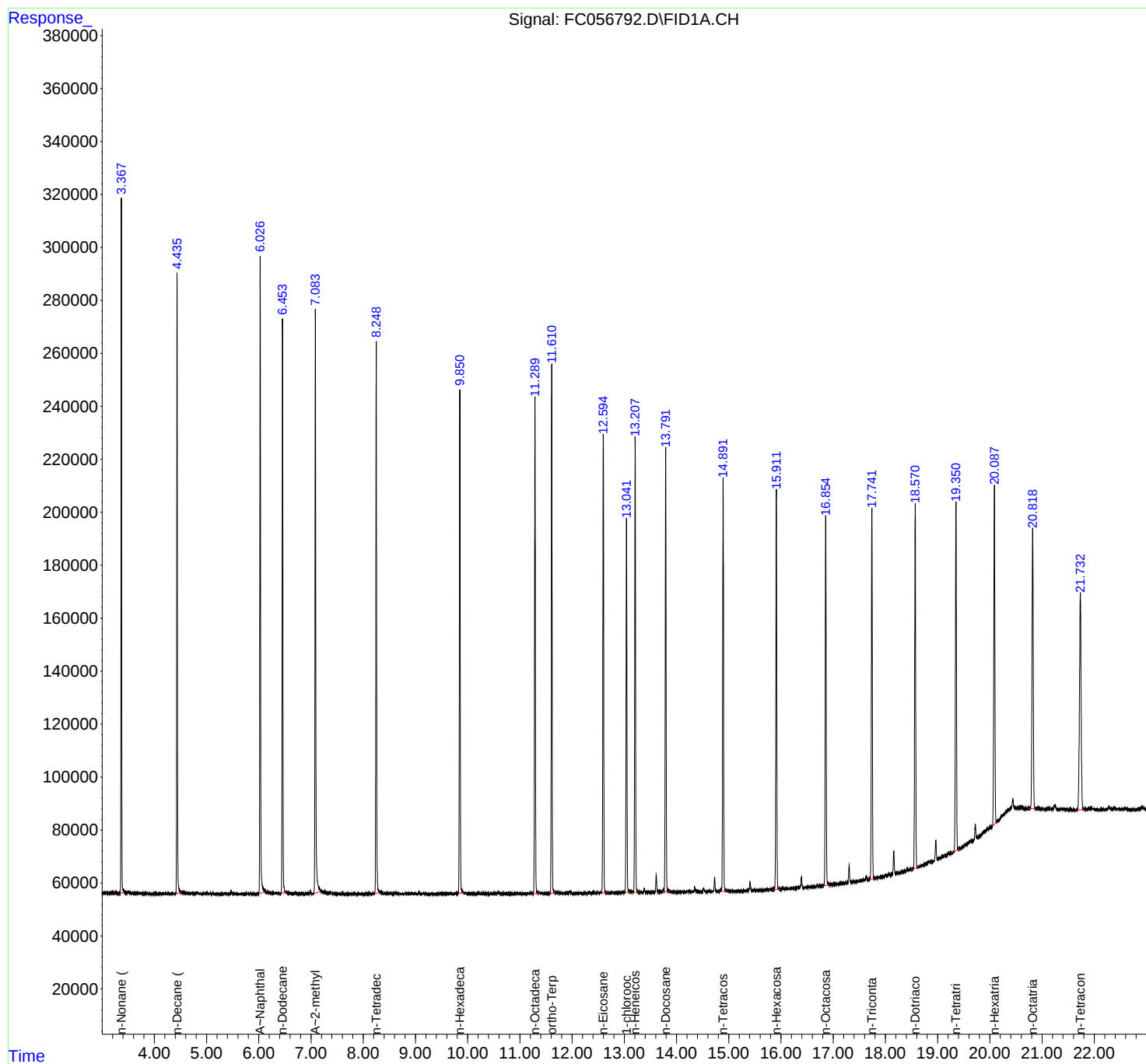
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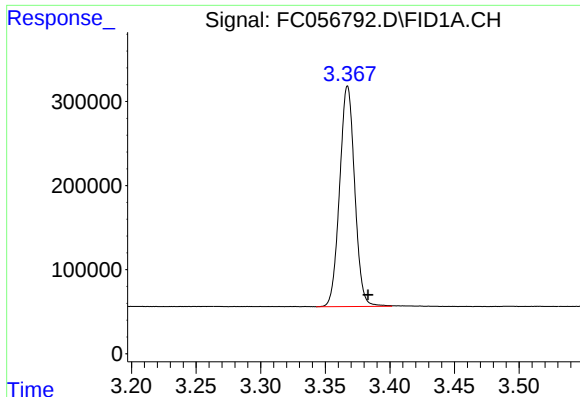
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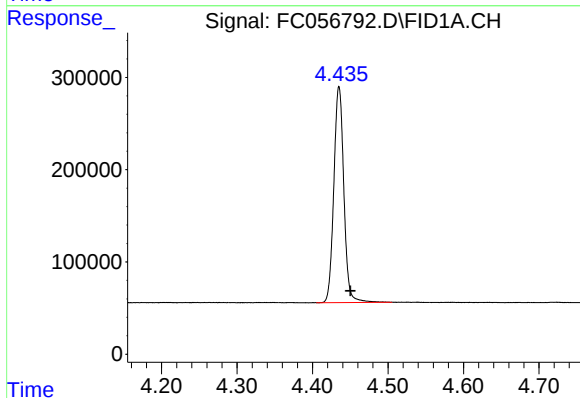
#1 n-Nonane (C9)

R.T.: 3.367 min
Delta R.T.: -0.016 min
Response: 2134516
Conc: 19.72 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

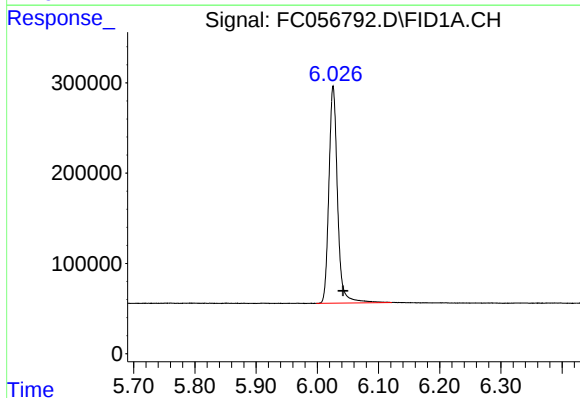
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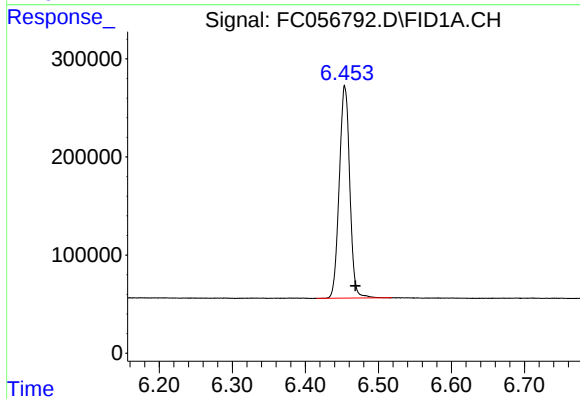
#2 n-Decane (C10)

R.T.: 4.435 min
Delta R.T.: -0.015 min
Response: 2155610
Conc: 20.01 ug/ml



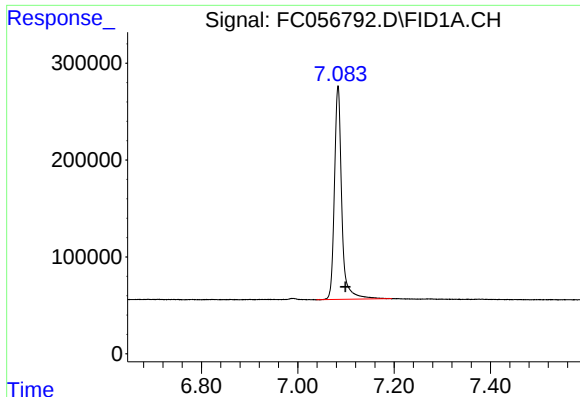
#3 A~Naphthalene (C11.7)

R.T.: 6.026 min
Delta R.T.: -0.016 min
Response: 2359714
Conc: 19.35 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.454 min
Delta R.T.: -0.014 min
Response: 2162645
Conc: 19.62 ug/ml



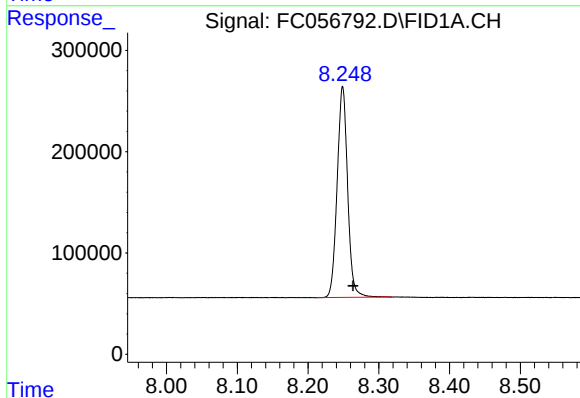
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.083 min
Delta R.T.: -0.015 min
Response: 2338284
Conc: 19.09 ug/ml

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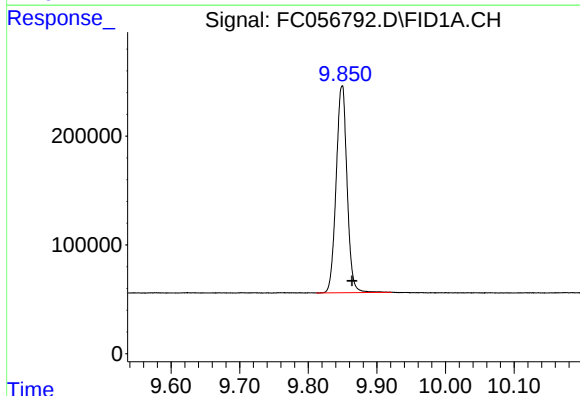
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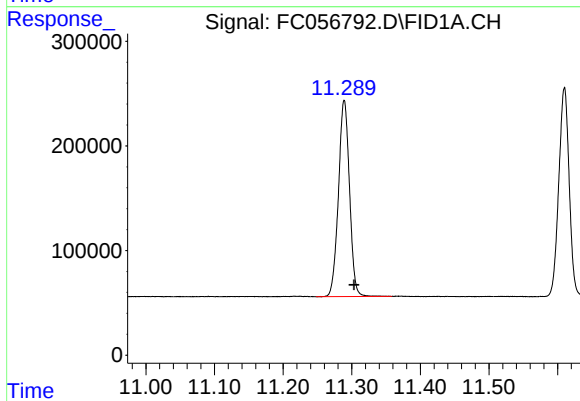
#6 n-Tetradecane (C14)

R.T.: 8.249 min
Delta R.T.: -0.015 min
Response: 2143608
Conc: 19.09 ug/ml



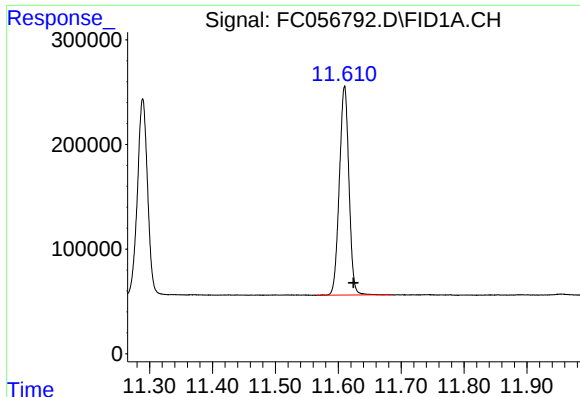
#7 n-Hexadecane (C16)

R.T.: 9.849 min
Delta R.T.: -0.015 min
Response: 2101393
Conc: 18.48 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.289 min
Delta R.T.: -0.014 min
Response: 2100755
Conc: 17.98 ug/ml



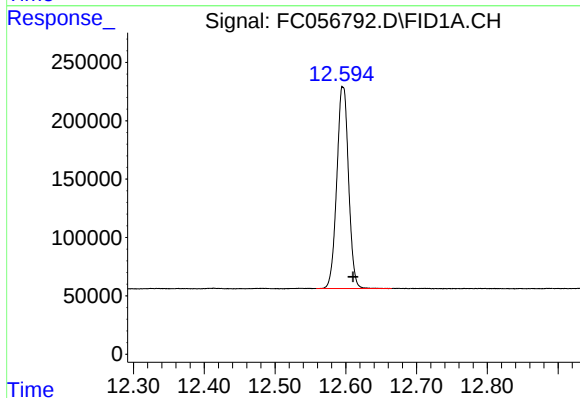
#9 ortho-Terphenyl (SURR)

R.T.: 11.610 min
Delta R.T.: -0.014 min
Response: 2114927
Conc: 17.08 ug/ml

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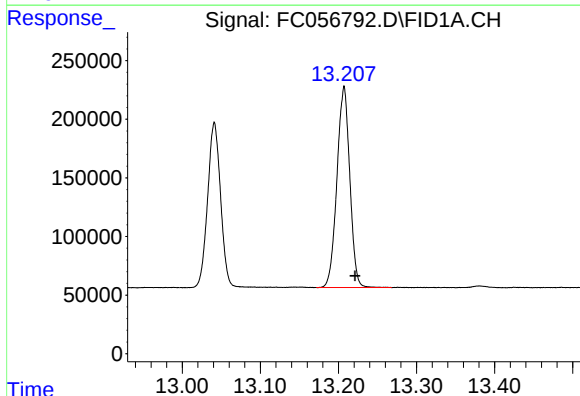
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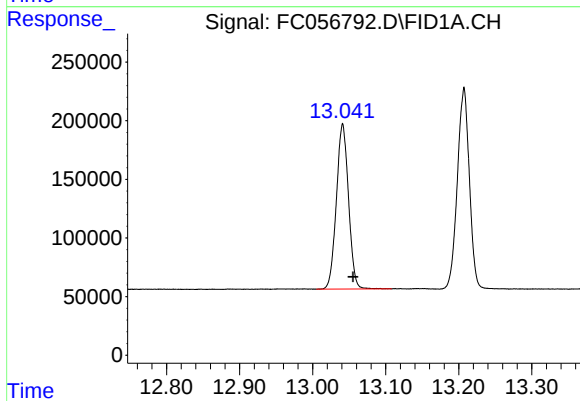
#10 n-Eicosane (C20)

R.T.: 12.596 min
Delta R.T.: -0.014 min
Response: 1993773
Conc: 17.35 ug/ml



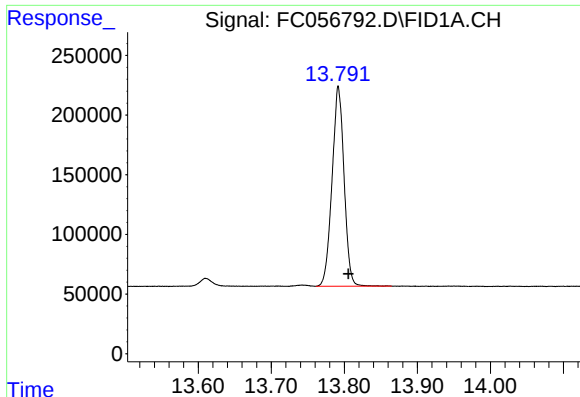
#11 n-Heneicosane (C21)

R.T.: 13.207 min
Delta R.T.: -0.014 min
Response: 1963441
Conc: 17.08 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.041 min
Delta R.T.: -0.014 min
Response: 1623650
Conc: 16.87 ug/ml



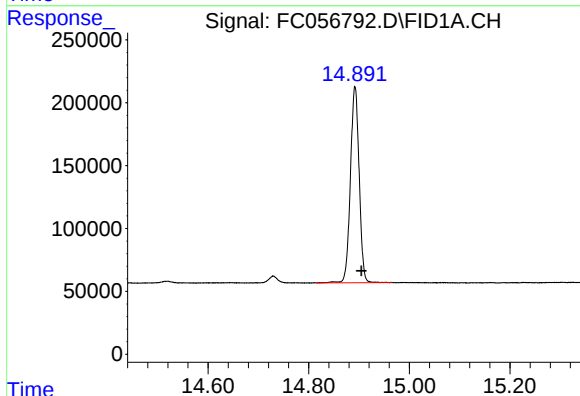
#13 n-Docosane (C22)

R.T.: 13.792 min
Delta R.T.: -0.014 min
Response: 1911498
Conc: 16.98 ug/ml

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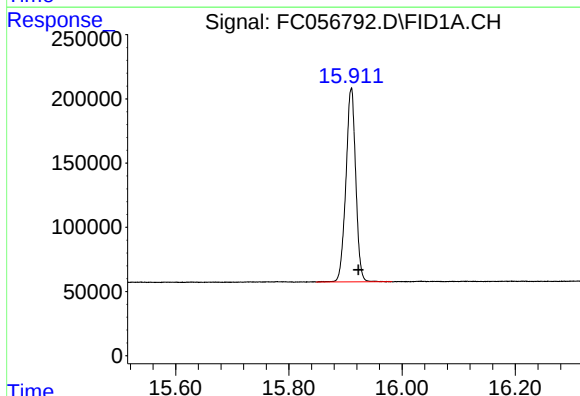
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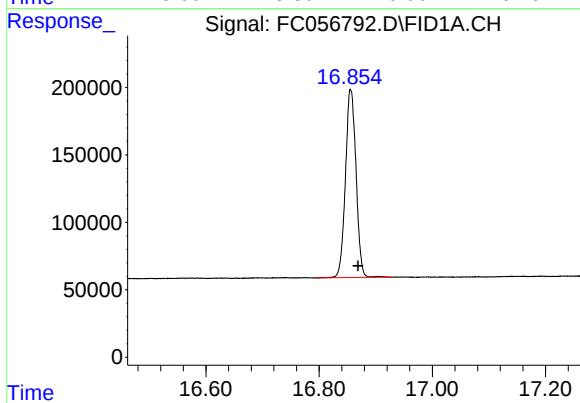
#14 n-Tetracosane (C24)

R.T.: 14.892 min
Delta R.T.: -0.013 min
Response: 1880504
Conc: 17.06 ug/ml



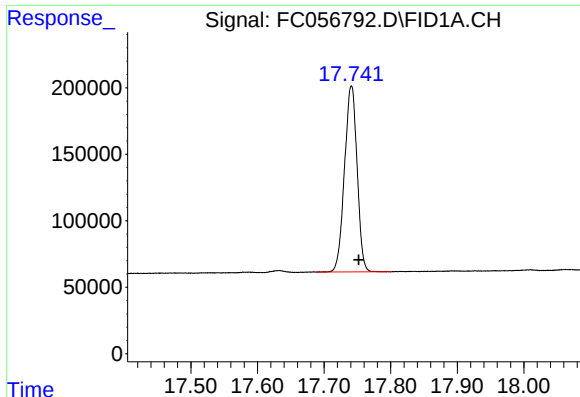
#15 n-Hexacosane (C26)

R.T.: 15.910 min
Delta R.T.: -0.013 min
Response: 1814018
Conc: 17.19 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.856 min
Delta R.T.: -0.013 min
Response: 1810940
Conc: 17.46 ug/ml



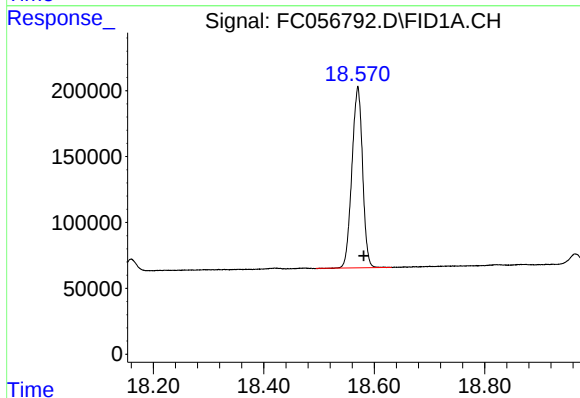
#17 n-Tricontane (C30)

R.T.: 17.741 min
Delta R.T.: -0.011 min
Response: 1839392
Conc: 17.75 ug/ml

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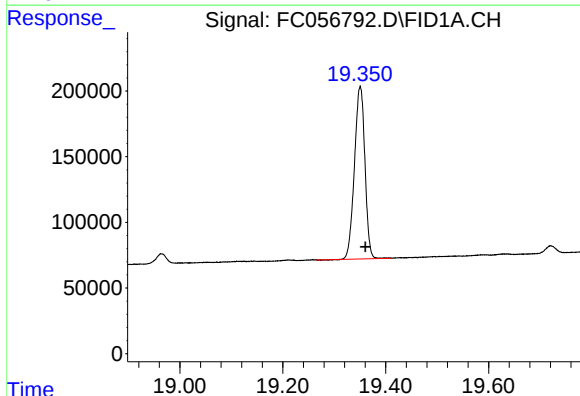
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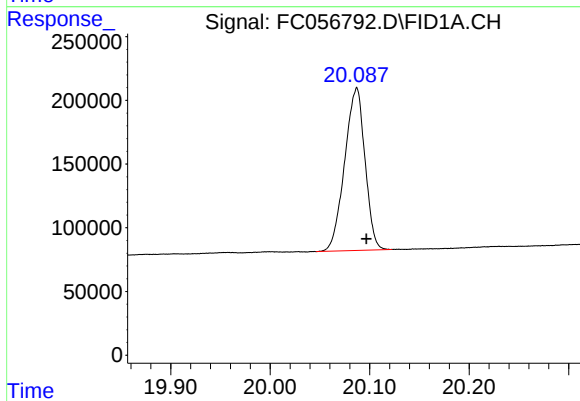
#18 n-Dotriacontane (C32)

R.T.: 18.570 min
Delta R.T.: -0.011 min
Response: 1840031
Conc: 19.21 ug/ml



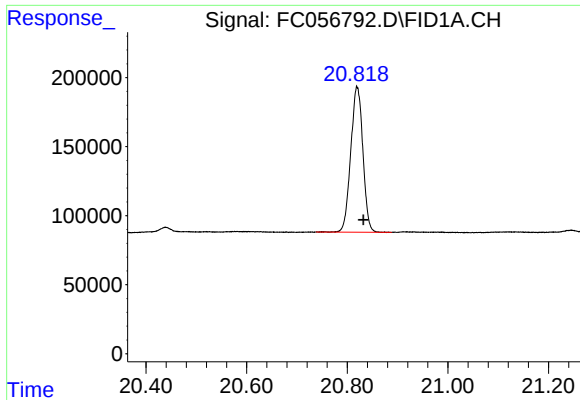
#19 n-Tetratriacontane (C34)

R.T.: 19.350 min
Delta R.T.: -0.010 min
Response: 1849773
Conc: 21.09 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.087 min
Delta R.T.: -0.010 min
Response: 1811017
Conc: 22.13 ug/ml m



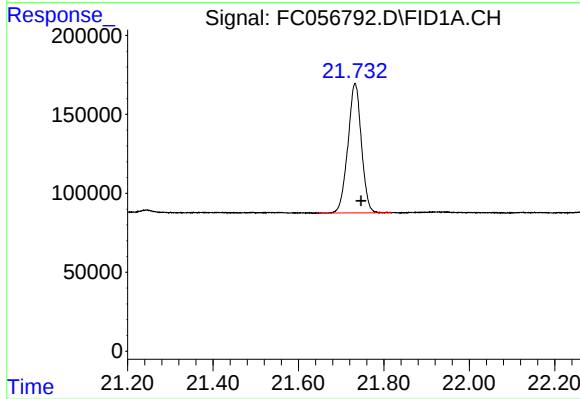
#21 n-Octatriacontane (C38)

R.T.: 20.820 min
Delta R.T.: -0.013 min
Response: 1761767
Conc: 22.03 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.733 min
Delta R.T.: -0.014 min
Response: 1798758
Conc: 21.83 ug/ml