

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081721AL\
 Data File : FC055266.D
 Signal(s) : FID1A.CH
 Acq On : 18 Aug 2021 14:49
 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

mohammad
 8/18/2021 3:50:31 PM

Integration File: sample.E
 Quant Time: Aug 18 15:44:10 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Alaphatic EPH 080321.M
 Quant Title : GC Extractables
 QLast Update : Wed Aug 04 02:08:31 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)	11.303	2455592	19.504 ug/ml
Spiked Amount 50.000		Recovery =	39.01%
12) S 1-chlorooctadecane (S...	12.744	1923515	19.409 ug/ml
Spiked Amount 50.000		Recovery =	38.82%
Target Compounds			
1) T n-Nonane (C9)	3.142	2248206	21.500 ug/ml
2) T n-Decane (C10)	4.191	2292152	21.766 ug/ml
3) T A~Naphthalene (C11.7)	5.757	2388195	21.979 ug/ml
4) T n-Dodecane (C12)	6.191	2380462	21.921 ug/ml
5) T A~2-methylnaphthalene...	6.806	2432961	22.292 ug/ml
6) T n-Tetradecane (C14)	7.974	2405579	21.548 ug/ml
7) T n-Hexadecane (C16)	9.566	2401992	21.060 ug/ml
8) T n-Octadecane (C18)	11.000	2423534	20.552 ug/ml
10) T n-Eicosane (C20)	12.303	2328545	19.834 ug/ml
11) T n-Heneicosane (C21)	12.912	2313577	19.594 ug/ml
13) T n-Docosane (C22)	13.496	2239315	19.173 ug/ml
14) T n-Tetracosane (C24)	14.594	2187916	18.902 ug/ml
15) T n-Hexacosane (C26)	15.611	2065422	18.430 ug/ml
16) T n-Octacosane (C28)	16.557	2007989	18.494 ug/ml
17) T n-Tricontane (C30)	17.442	2008456	19.236 ug/ml
18) T n-Dotriacontane (C32)	18.272	1921696	19.404 ug/mlm
19) T n-Tetratriacontane (C34)	19.054	1963245	20.714 ug/mlm
20) T n-Hexatriacontane (C36)	19.789	1959009	21.679 ug/mlm
21) T n-Octatriacontane (C38)	20.490	1880138	21.760 ug/mlm
22) T n-Tetracontane (C40)	21.294	2005284	22.517 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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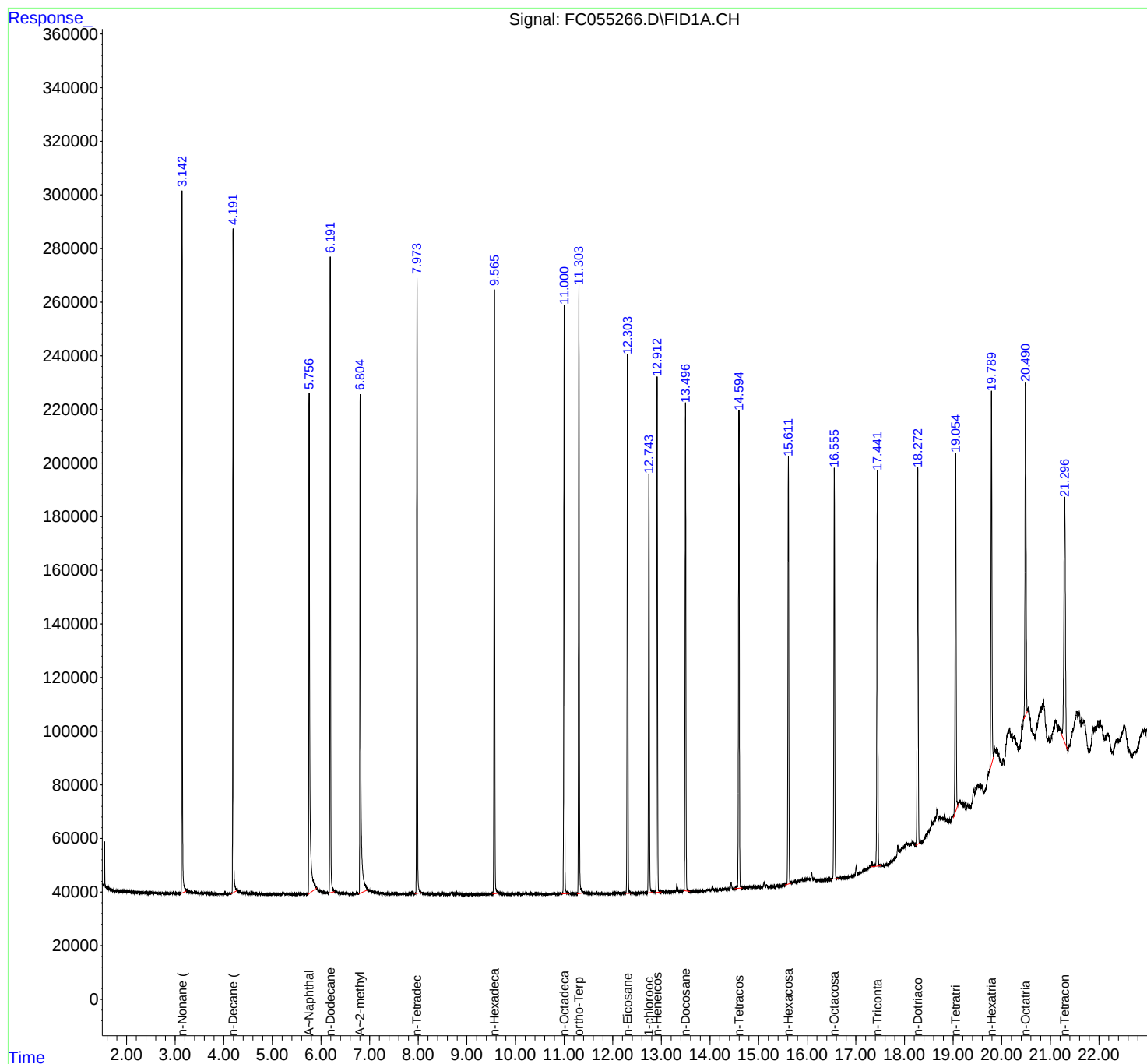
Instrument :
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20 PPM ALIPHATIC HC STD

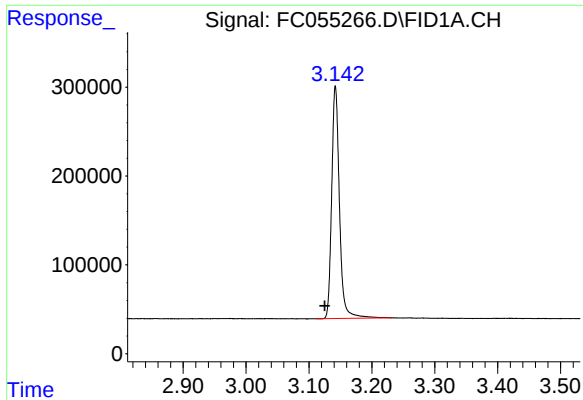
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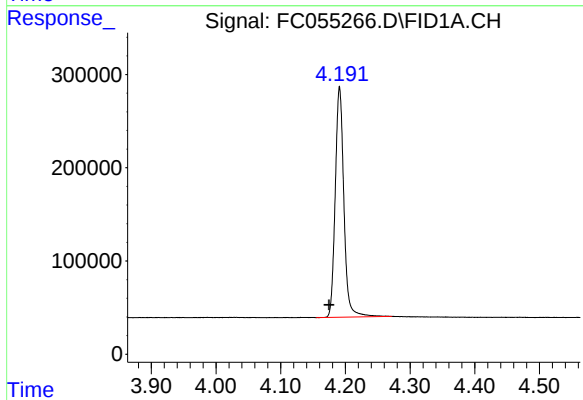
#1 n-Nonane (C9)

R.T.: 3.142 min
Delta R.T.: 0.017 min
Response: 2248206
Conc: 21.50 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

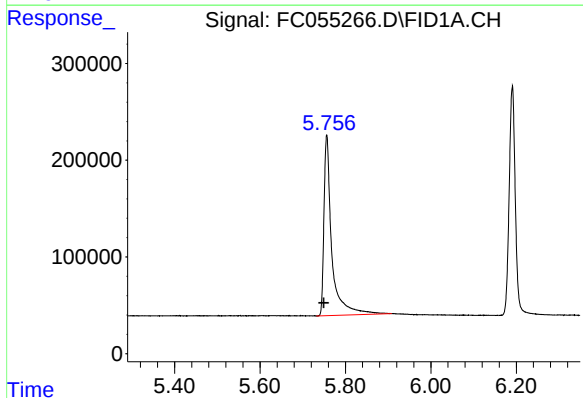
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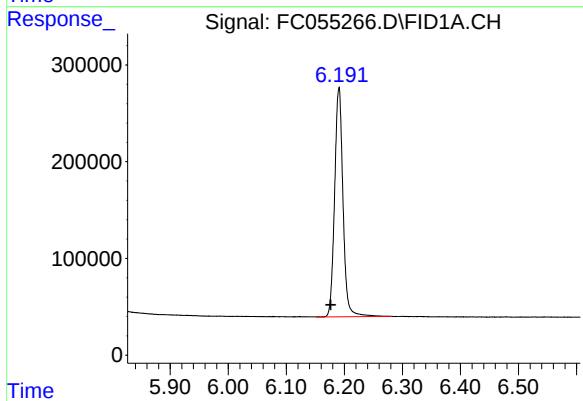
#2 n-Decane (C10)

R.T.: 4.191 min
Delta R.T.: 0.016 min
Response: 2292152
Conc: 21.77 ug/ml



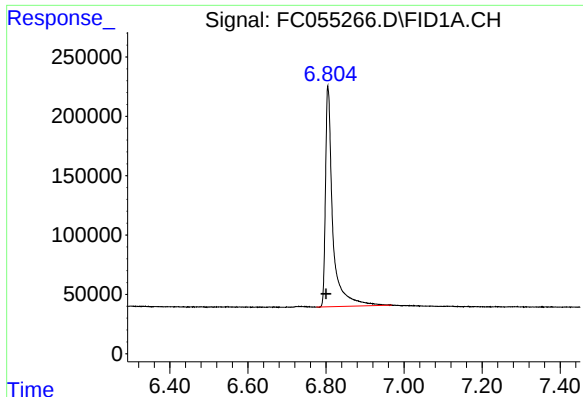
#3 A~Naphthalene (C11.7)

R.T.: 5.757 min
Delta R.T.: 0.008 min
Response: 2388195
Conc: 21.98 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.191 min
Delta R.T.: 0.014 min
Response: 2380462
Conc: 21.92 ug/ml



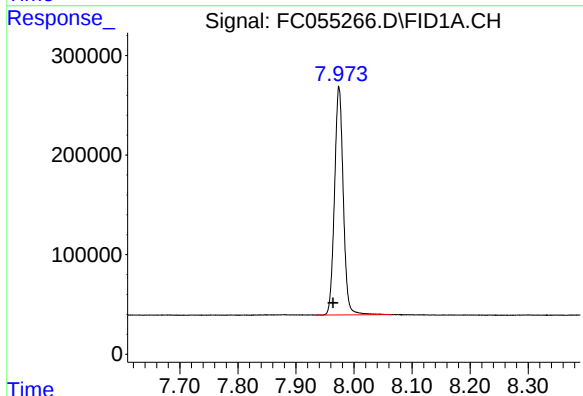
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.806 min
Delta R.T.: 0.006 min
Response: 2432961
Conc: 22.29 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

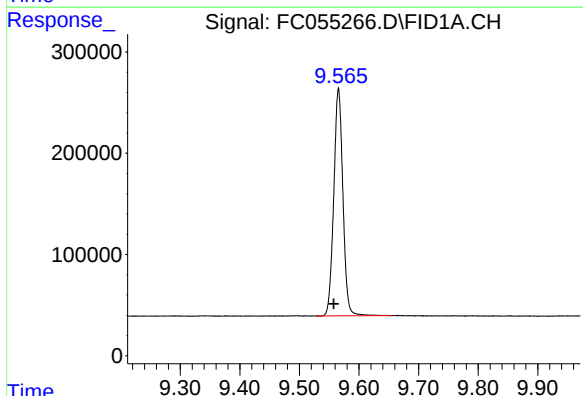
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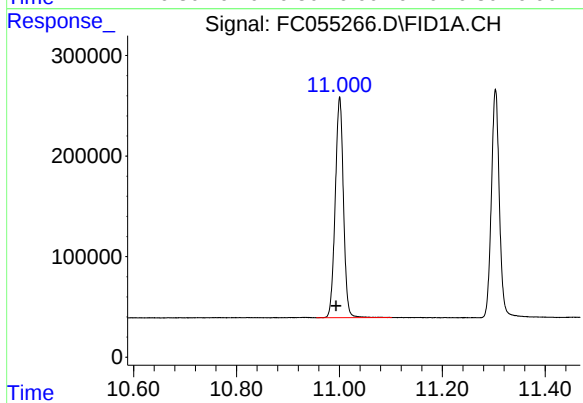
#6 n-Tetradecane (C14)

R.T.: 7.974 min
Delta R.T.: 0.010 min
Response: 2405579
Conc: 21.55 ug/ml



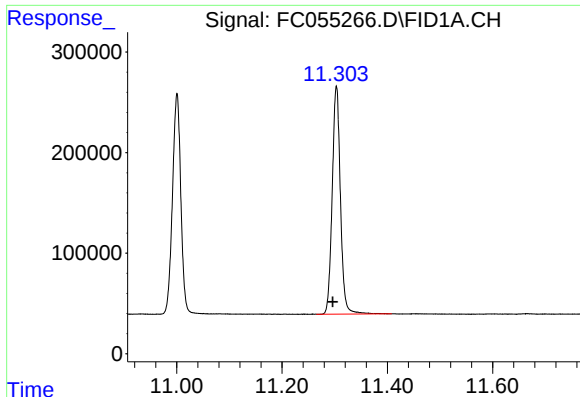
#7 n-Hexadecane (C16)

R.T.: 9.566 min
Delta R.T.: 0.008 min
Response: 2401992
Conc: 21.06 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.000 min
Delta R.T.: 0.006 min
Response: 2423534
Conc: 20.55 ug/ml



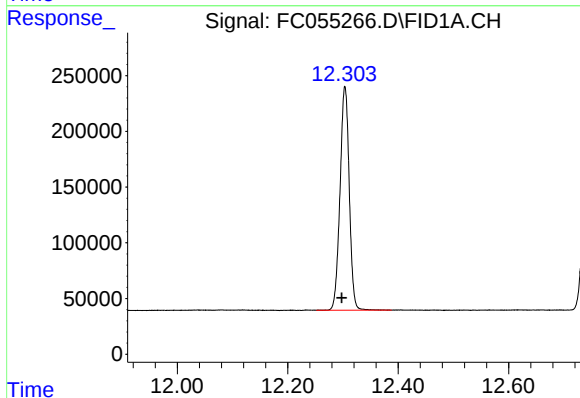
#9 ortho-Terphenyl (SURR)

R.T.: 11.303 min
Delta R.T.: 0.007 min
Response: 2455592
Conc: 19.50 ug/ml

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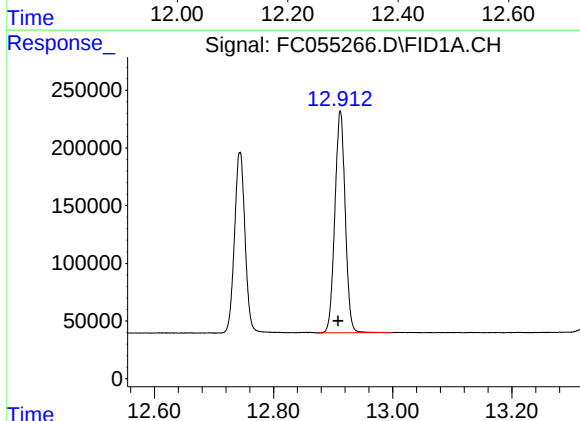
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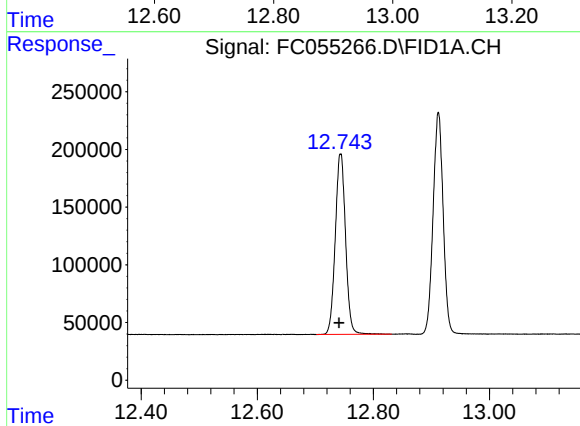
#10 n-Eicosane (C20)

R.T.: 12.303 min
Delta R.T.: 0.006 min
Response: 2328545
Conc: 19.83 ug/ml



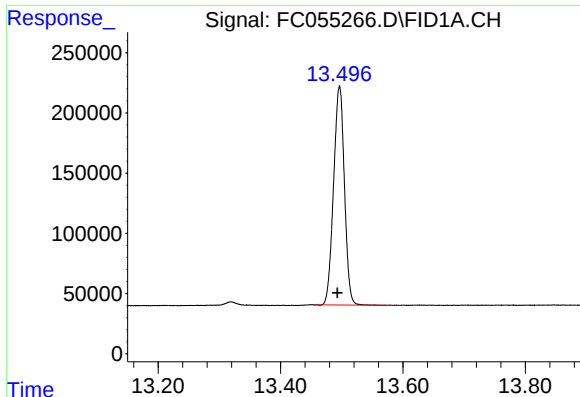
#11 n-Heneicosane (C21)

R.T.: 12.912 min
Delta R.T.: 0.004 min
Response: 2313577
Conc: 19.59 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.744 min
Delta R.T.: 0.003 min
Response: 1923515
Conc: 19.41 ug/ml



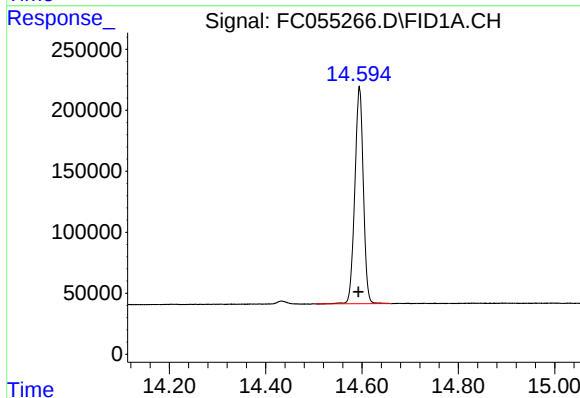
#13 n-Docosane (C22)

R.T.: 13.496 min
Delta R.T.: 0.003 min
Response: 2239315
Conc: 19.17 ug/ml

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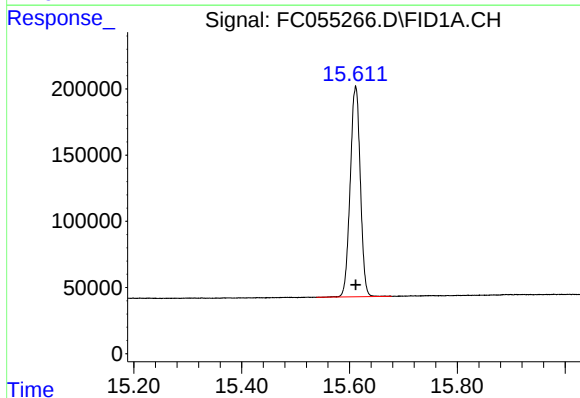
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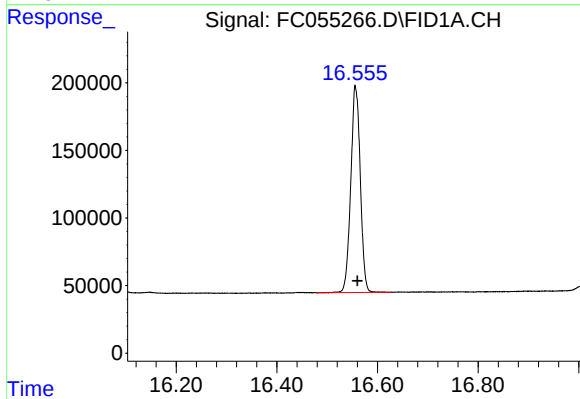
#14 n-Tetracosane (C24)

R.T.: 14.594 min
Delta R.T.: 0.002 min
Response: 2187916
Conc: 18.90 ug/ml



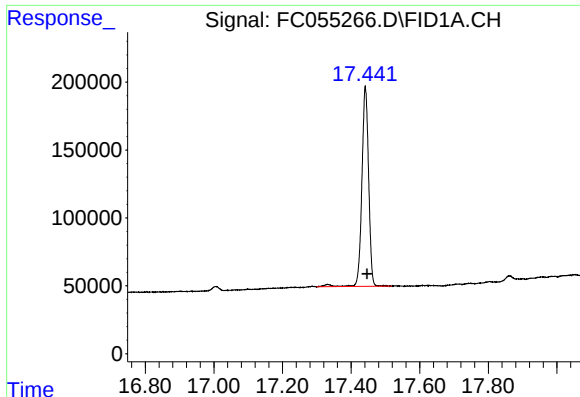
#15 n-Hexacosane (C26)

R.T.: 15.611 min
Delta R.T.: 0.000 min
Response: 2065422
Conc: 18.43 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.557 min
Delta R.T.: -0.004 min
Response: 2007989
Conc: 18.49 ug/ml



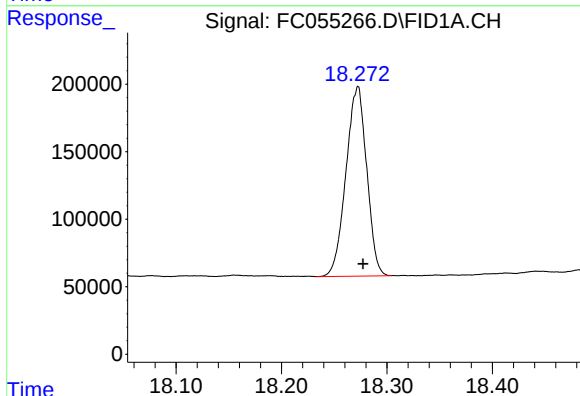
#17 n-Tricontane (C30)

R.T.: 17.442 min
Delta R.T.: -0.005 min
Response: 2008456
Conc: 19.24 ug/ml

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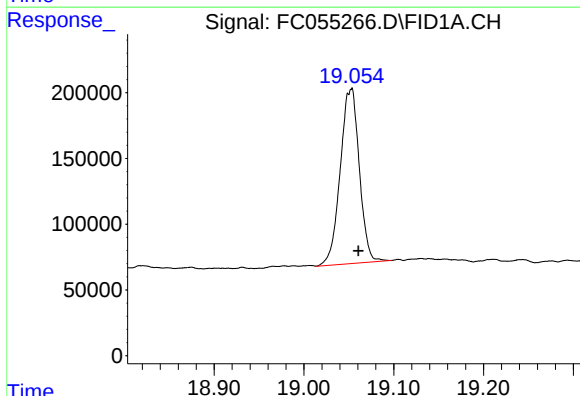
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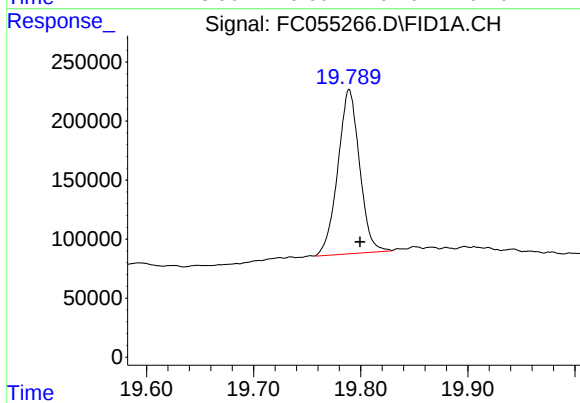
#18 n-Dotriacontane (C32)

R.T.: 18.272 min
Delta R.T.: -0.005 min
Response: 1921696
Conc: 19.40 ug/ml m



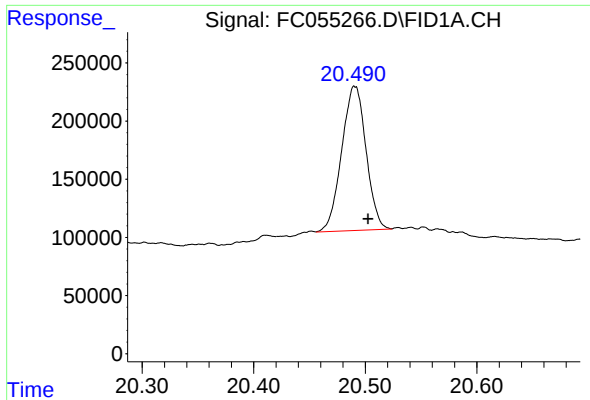
#19 n-Tetratriacontane (C34)

R.T.: 19.054 min
Delta R.T.: -0.007 min
Response: 1963245
Conc: 20.71 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.789 min
Delta R.T.: -0.011 min
Response: 1959009
Conc: 21.68 ug/ml m



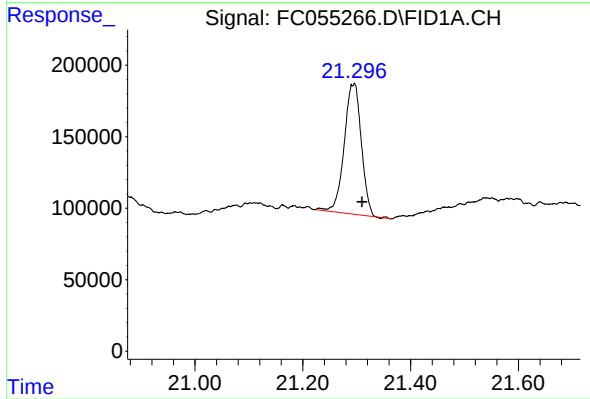
#21 n-Octatriacontane (C38)

R.T.: 20.490 min
Delta R.T.: -0.013 min
Response: 1880138
Conc: 21.76 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.294 min
Delta R.T.: -0.017 min
Response: 2005284
Conc: 22.52 ug/ml