

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC042221AL\
 Data File : FC053344.D
 Signal(s) : FID1A.CH
 Acq On : 23 Apr 2021 7:23
 Operator : DD\AJ
 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

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 4/23/2021 4:43:06 PM

Integration File: autoint1.e
 Quant Time: Apr 23 07:57:58 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Alaphatic EPH 042021.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 21 11:02:12 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)	11.553	2771332	20.025 ug/ml
Spiked Amount 50.000		Recovery =	40.05%
12) S 1-chlorooctadecane (S...	12.994	2148603	19.852 ug/ml
Spiked Amount 50.000		Recovery =	39.70%
Target Compounds			
1) T n-Nonane (C9)	3.304	2476529	21.347 ug/ml
2) T n-Decane (C10)	4.371	2527355	21.595 ug/ml
3) T A~Naphthalene (C11.7)	5.957	2824068	21.708 ug/ml
4) T n-Dodecane (C12)	6.392	2599320	21.782 ug/ml
5) T A~2-methylnaphthalene...	7.016	2885108	21.827 ug/ml
6) T n-Tetradecane (C14)	8.190	2620024	21.528 ug/ml
7) T n-Hexadecane (C16)	9.793	2577960	21.425 ug/ml
8) T n-Octadecane (C18)	11.237	2658849	20.983 ug/ml
10) T n-Eicosane (C20)	12.548	2606180	20.323 ug/ml
11) T n-Heneicosane (C21)	13.162	2566171	19.981 ug/ml
13) T n-Docosane (C22)	13.749	2527946	19.615 ug/ml
14) T n-Tetracosane (C24)	14.853	2412503	18.679 ug/ml
15) T n-Hexacosane (C26)	15.876	2272278	17.681 ug/ml
16) T n-Octacosane (C28)	16.827	2213801	17.094 ug/mlm
17) T n-Tricontane (C30)	17.716	2161777	16.054 ug/mlm
18) T n-Dotriacontane (C32)	18.548	2112216	15.402 ug/mlm
19) T n-Tetratriacontane (C34)	19.334	2051345	15.719 ug/mlm
20) T n-Hexatriacontane (C36)	20.075	1916820	15.831 ug/mlm
21) T n-Octatriacontane (C38)	20.809	1906169	18.090 ug/mlm
22) T n-Tetracontane (C40)	21.713	1869584	17.856 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : DD\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

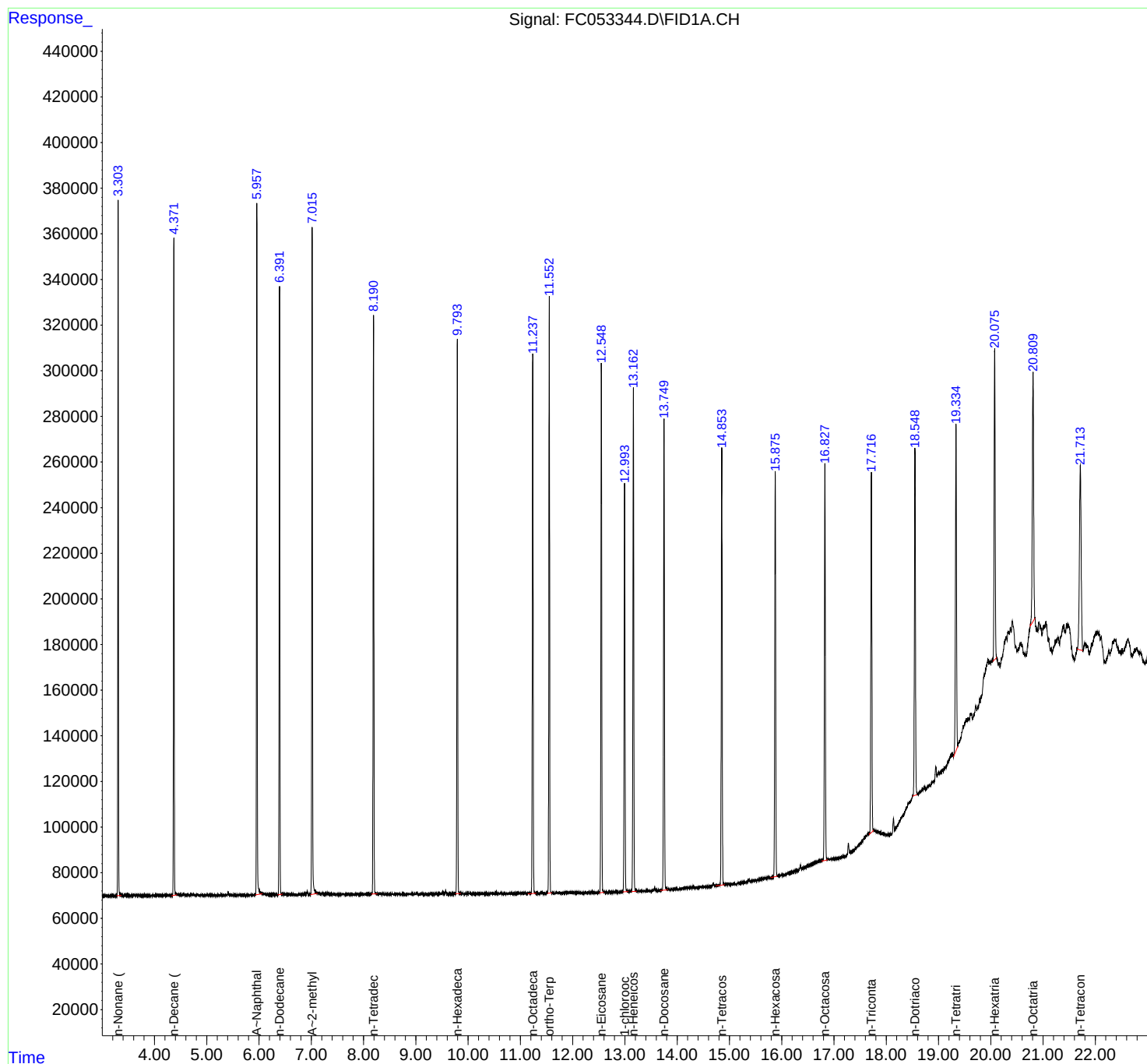
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

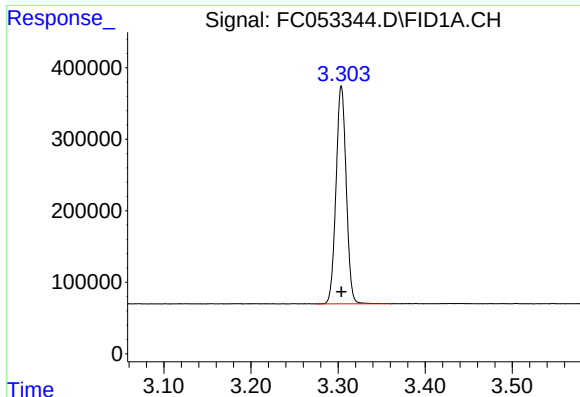
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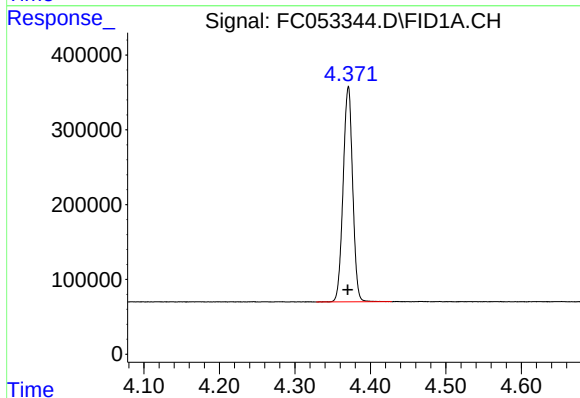
#1 n-Nonane (C9)

R.T.: 3.304 min
Delta R.T.: 0.000 min
Response: 2476529
Conc: 21.35 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

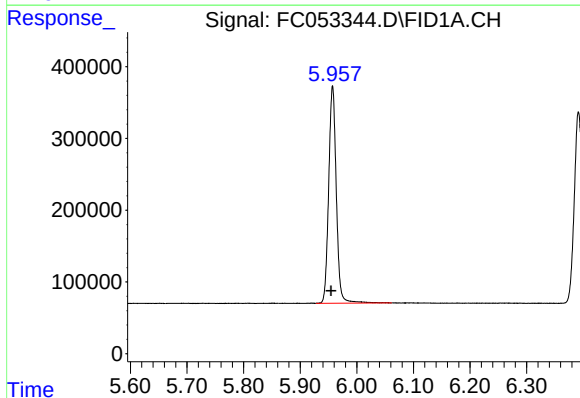
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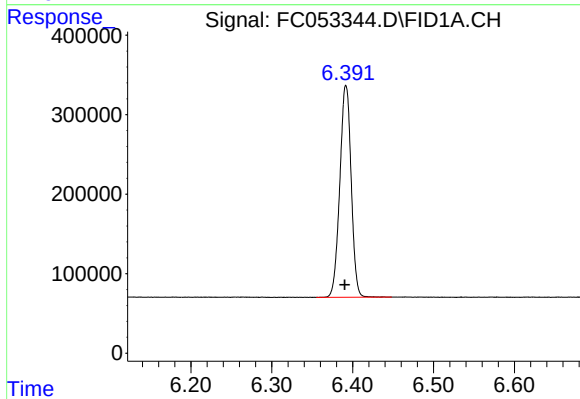
#2 n-Decane (C10)

R.T.: 4.371 min
Delta R.T.: 0.000 min
Response: 2527355
Conc: 21.59 ug/ml



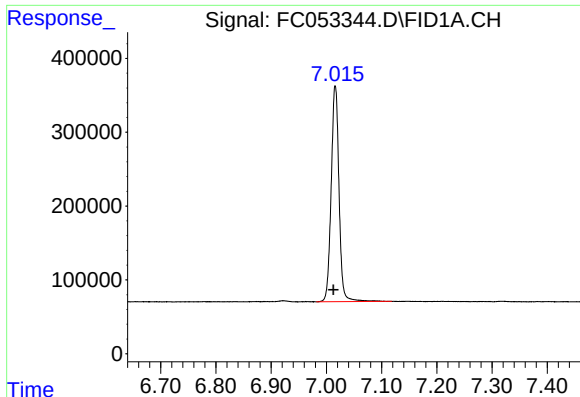
#3 A~Naphthalene (C11.7)

R.T.: 5.957 min
Delta R.T.: 0.003 min
Response: 2824068
Conc: 21.71 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.392 min
Delta R.T.: 0.002 min
Response: 2599320
Conc: 21.78 ug/ml



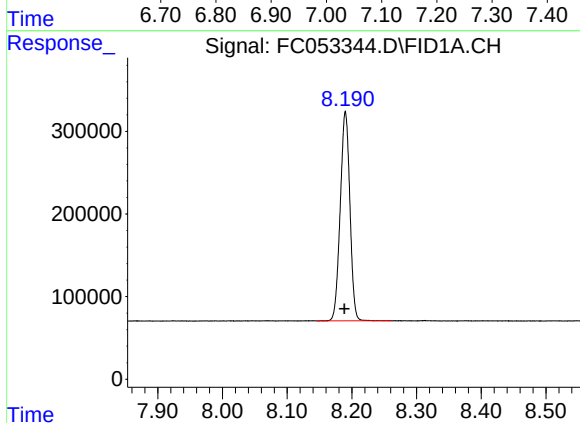
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.016 min
Delta R.T.: 0.003 min
Response: 2885108
Conc: 21.83 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

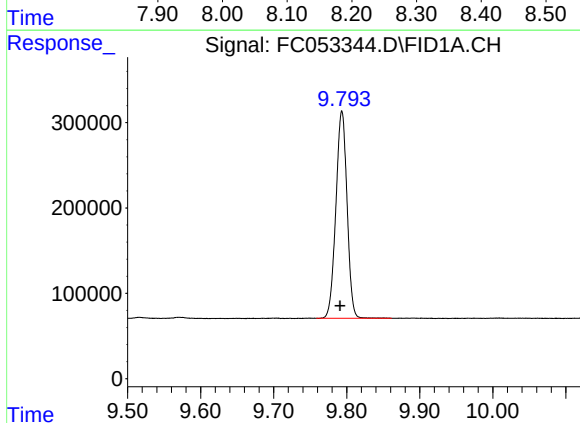
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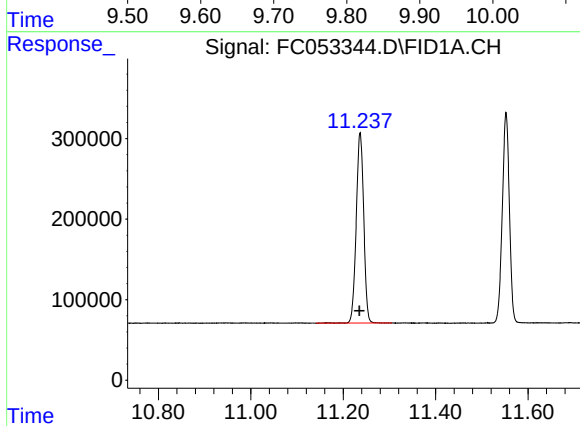
#6 n-Tetradecane (C14)

R.T.: 8.190 min
Delta R.T.: 0.002 min
Response: 2620024
Conc: 21.53 ug/ml



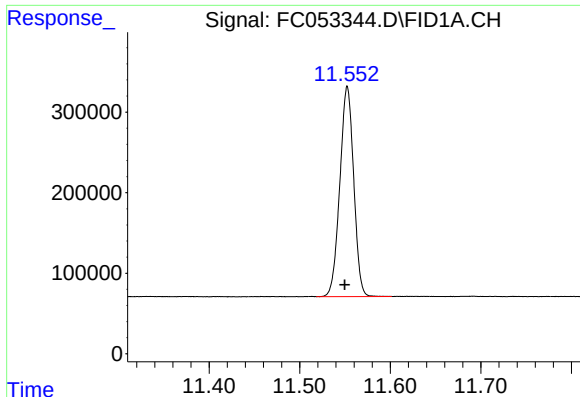
#7 n-Hexadecane (C16)

R.T.: 9.793 min
Delta R.T.: 0.002 min
Response: 2577960
Conc: 21.42 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.237 min
Delta R.T.: 0.002 min
Response: 2658849
Conc: 20.98 ug/ml



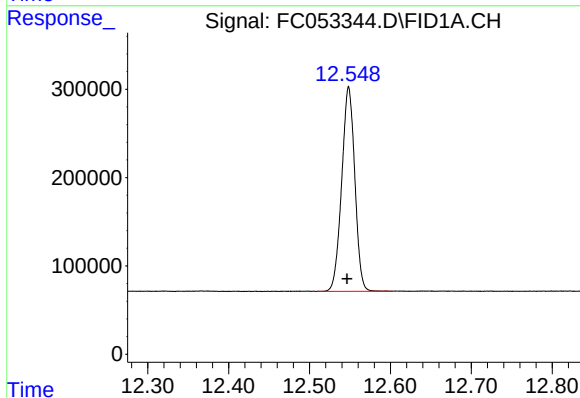
#9 ortho-Terphenyl (SURR)

R.T.: 11.553 min
Delta R.T.: 0.003 min
Response: 2771332
Conc: 20.02 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

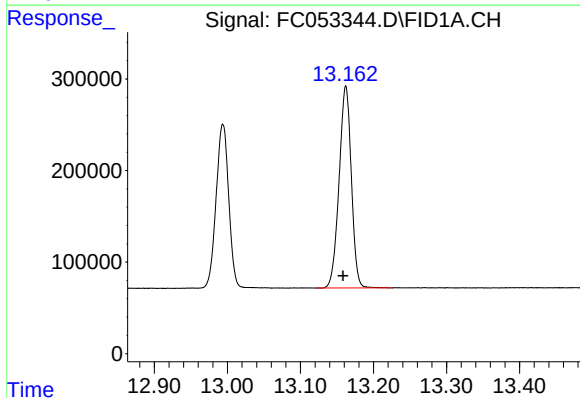
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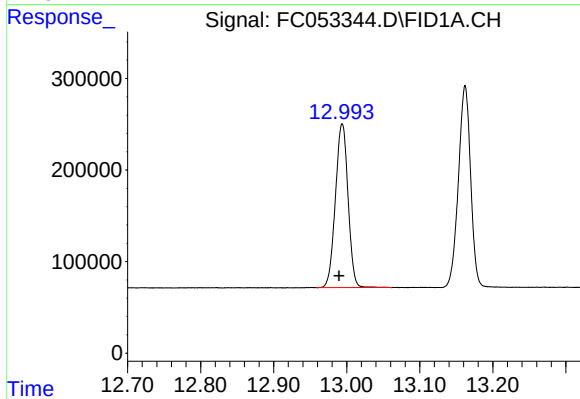
#10 n-Eicosane (C20)

R.T.: 12.548 min
Delta R.T.: 0.002 min
Response: 2606180
Conc: 20.32 ug/ml



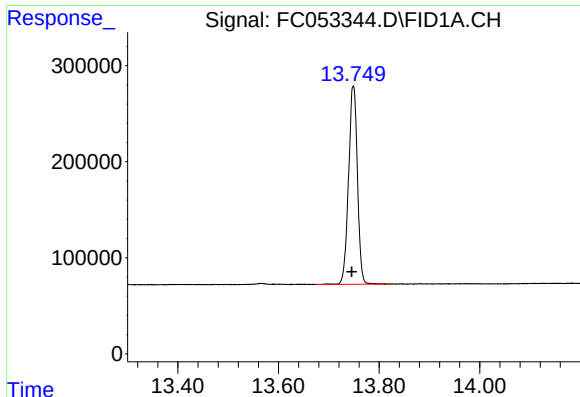
#11 n-Heneicosane (C21)

R.T.: 13.162 min
Delta R.T.: 0.004 min
Response: 2566171
Conc: 19.98 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.994 min
Delta R.T.: 0.004 min
Response: 2148603
Conc: 19.85 ug/ml



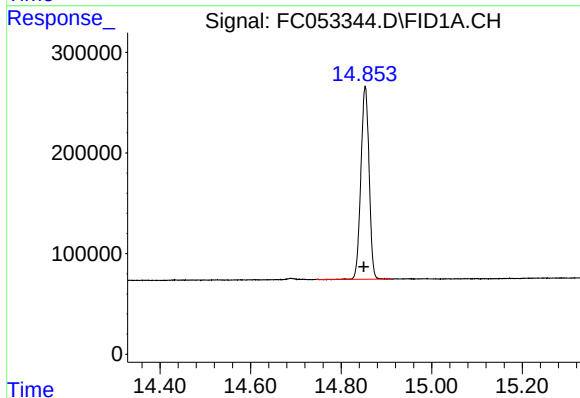
#13 n-Docosane (C22)

R.T.: 13.749 min
Delta R.T.: 0.003 min
Response: 2527946
Conc: 19.61 ug/ml

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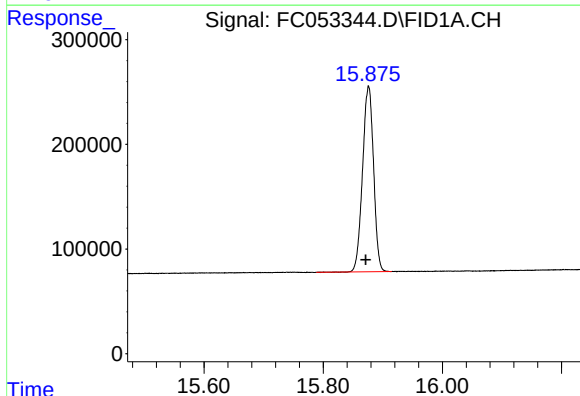
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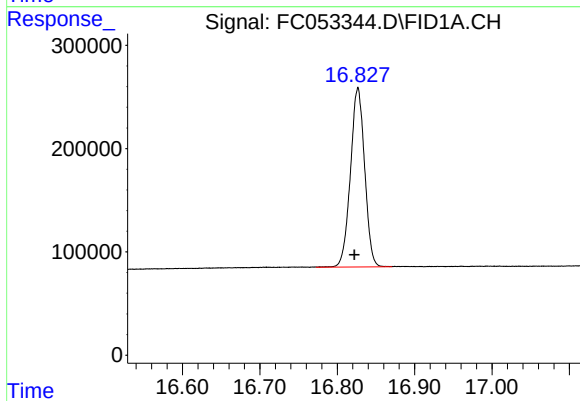
#14 n-Tetracosane (C24)

R.T.: 14.853 min
Delta R.T.: 0.003 min
Response: 2412503
Conc: 18.68 ug/ml



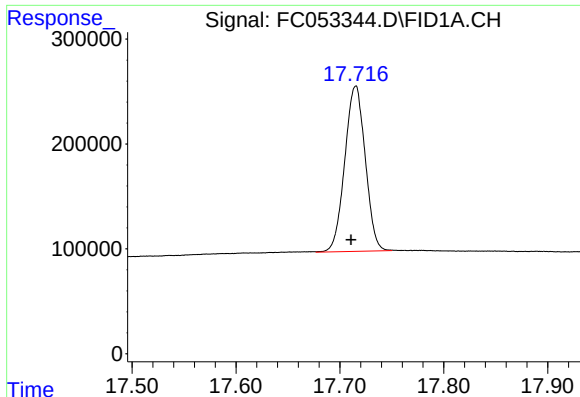
#15 n-Hexacosane (C26)

R.T.: 15.876 min
Delta R.T.: 0.005 min
Response: 2272278
Conc: 17.68 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.827 min
Delta R.T.: 0.004 min
Response: 2213801
Conc: 17.09 ug/ml m



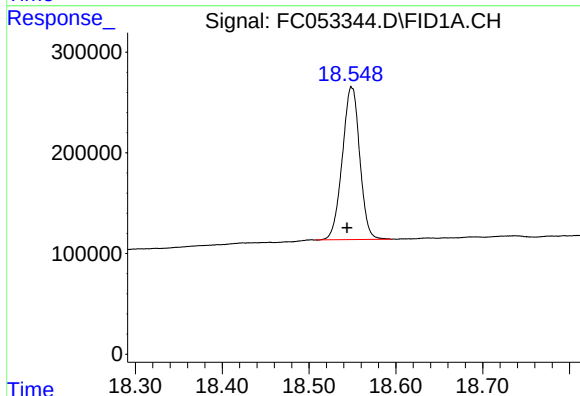
#17 n-Tricontane (C30)

R.T.: 17.716 min
Delta R.T.: 0.005 min
Response: 2161777
Conc: 16.05 ug/ml m

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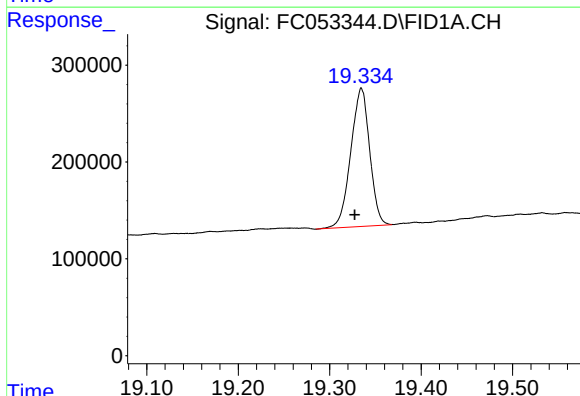
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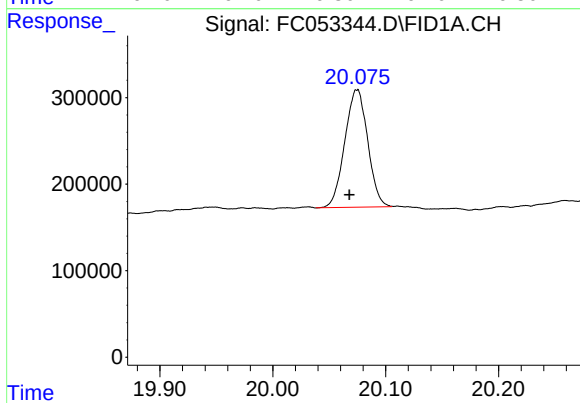
#18 n-Dotriacontane (C32)

R.T.: 18.548 min
Delta R.T.: 0.004 min
Response: 2112216
Conc: 15.40 ug/ml m



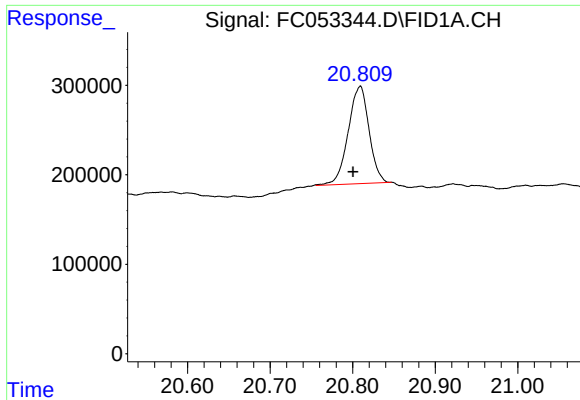
#19 n-Tetratriacontane (C34)

R.T.: 19.334 min
Delta R.T.: 0.007 min
Response: 2051345
Conc: 15.72 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.075 min
Delta R.T.: 0.007 min
Response: 1916820
Conc: 15.83 ug/ml m



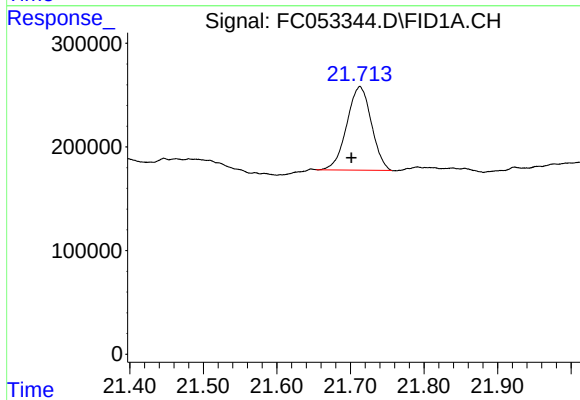
#21 n-Octatriacontane (C38)

R.T.: 20.809 min
Delta R.T.: 0.009 min
Response: 1906169
Conc: 18.09 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.713 min
Delta R.T.: 0.011 min
Response: 1869584
Conc: 17.86 ug/ml m