

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052122AL\
 Data File : FC059842.D
 Signal(s) : FID1A.CH
 Acq On : 20 May 2022 12:27
 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 05/21/2022
 Supervised By :Ankita Jodhani 05/23/2022

Integration File: sample.E
 Quant Time: May 20 14:36:30 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)	10.645	2720471	18.526 ug/ml
Spiked Amount 50.000		Recovery =	37.05%
12) S 1-chlorooctadecane (S...	12.016	2130358	18.512 ug/ml
Spiked Amount 50.000		Recovery =	37.02%
Target Compounds			
1) T n-Nonane (C9)	2.622	2313030	18.113 ug/ml
2) T n-Decane (C10)	3.621	2408339	19.016 ug/ml
3) T A~Naphthalene (C11.7)	5.158	2738402	18.598 ug/ml
4) T n-Dodecane (C12)	5.576	2533286	19.263 ug/ml
5) T A~2-methylnaphthalene...	6.182	2809514	18.690 ug/ml
6) T n-Tetradecane (C14)	7.329	2549131	18.944 ug/ml
7) T n-Hexadecane (C16)	8.893	2572987	18.752 ug/ml
8) T n-Octadecane (C18)	10.301	2612770	18.960 ug/ml
10) T n-Eicosane (C20)	11.581	2523798	18.765 ug/ml
11) T n-Heneicosane (C21)	12.179	2499727	18.738 ug/ml
13) T n-Docosane (C22)	12.752	2500195	19.050 ug/ml
14) T n-Tetracosane (C24)	13.830	2769551	22.012 ug/ml
15) T n-Hexacosane (C26)	14.828	2362182	19.779 ug/ml
16) T n-Octacosane (C28)	15.757	2424475	21.296 ug/ml
17) T n-Tricontane (C30)	16.624	2556237	23.255 ug/ml
18) T n-Dotriacontane (C32)	17.436	2524886	24.423 ug/mlm
19) T n-Tetratriacontane (C34)	18.202	2243617	22.981 ug/mlm
20) T n-Hexatriacontane (C36)	18.924	2015193	21.707 ug/mlm
21) T n-Octatriacontane (C38)	19.608	1905115	20.013 ug/mlm
22) T n-Tetracontane (C40)	20.259	1852826	19.573 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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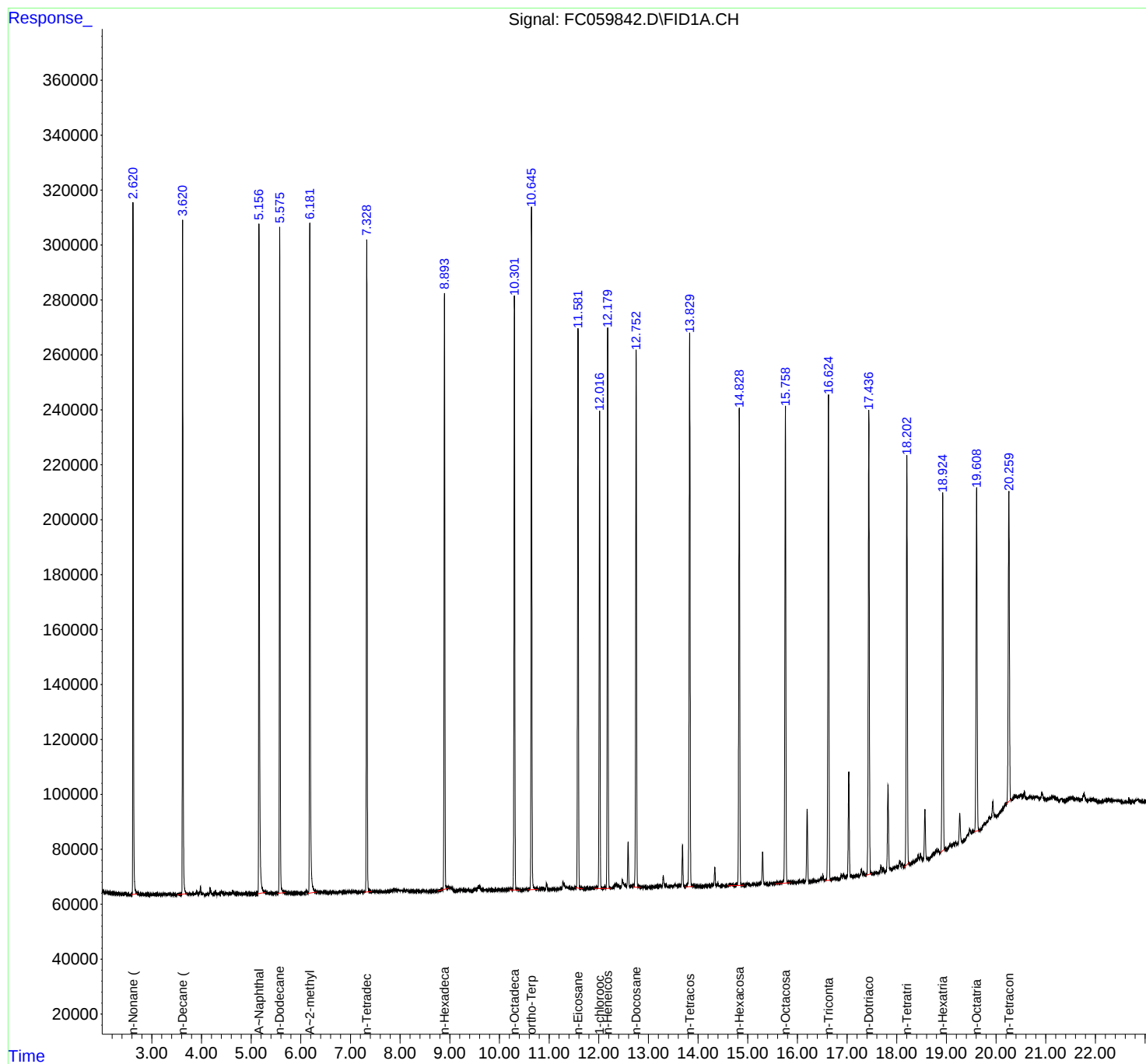
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20 PPM ALIPHATIC HC STD

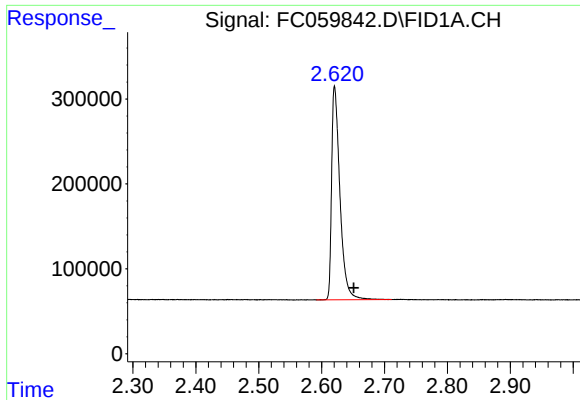
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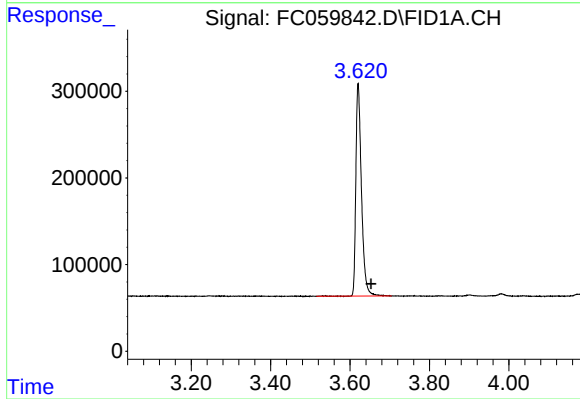
#1 n-Nonane (C9)

R.T.: 2.622 min
Delta R.T.: -0.029 min
Response: 2313030
Conc: 18.11 ug/ml

Instrument :
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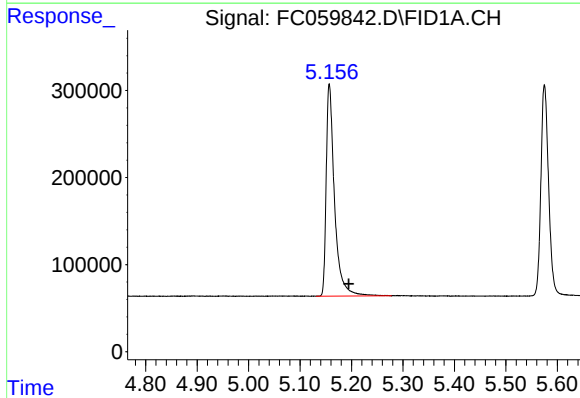
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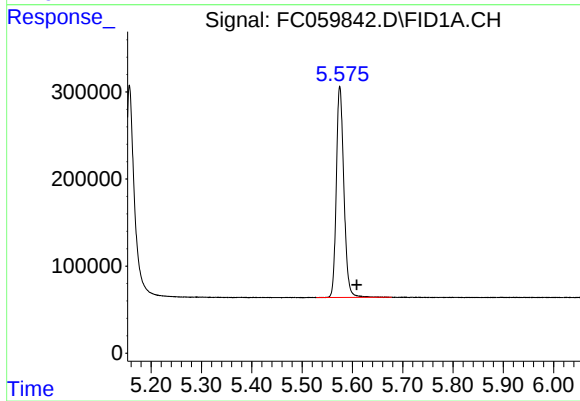
#2 n-Decane (C10)

R.T.: 3.621 min
Delta R.T.: -0.032 min
Response: 2408339
Conc: 19.02 ug/ml



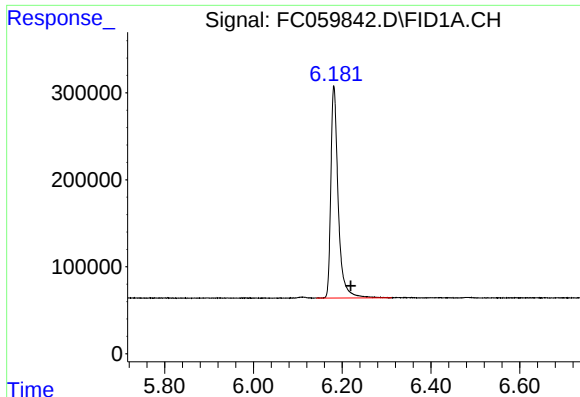
#3 A~Naphthalene (C11.7)

R.T.: 5.158 min
Delta R.T.: -0.037 min
Response: 2738402
Conc: 18.60 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.576 min
Delta R.T.: -0.033 min
Response: 2533286
Conc: 19.26 ug/ml



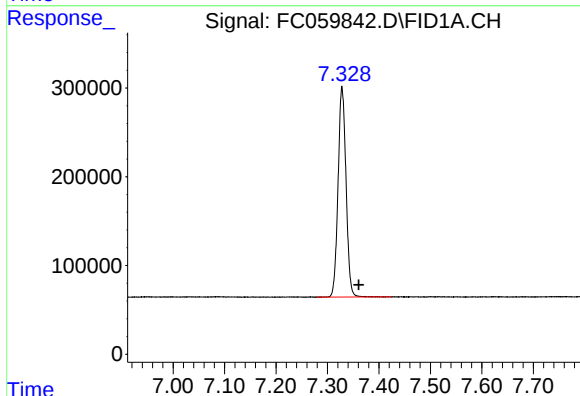
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.182 min
Delta R.T.: -0.037 min
Response: 2809514
Conc: 18.69 ug/ml

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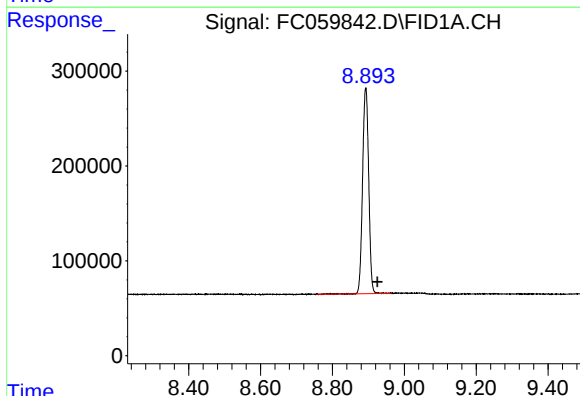
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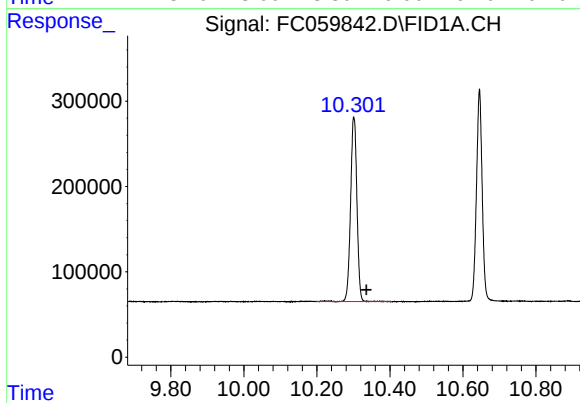
#6 n-Tetradecane (C14)

R.T.: 7.329 min
Delta R.T.: -0.032 min
Response: 2549131
Conc: 18.94 ug/ml



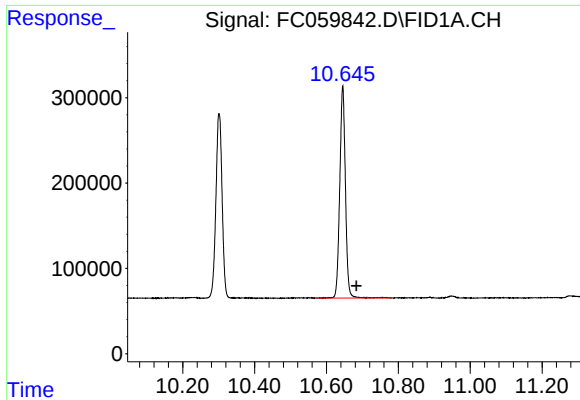
#7 n-Hexadecane (C16)

R.T.: 8.893 min
Delta R.T.: -0.033 min
Response: 2572987
Conc: 18.75 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.301 min
Delta R.T.: -0.034 min
Response: 2612770
Conc: 18.96 ug/ml



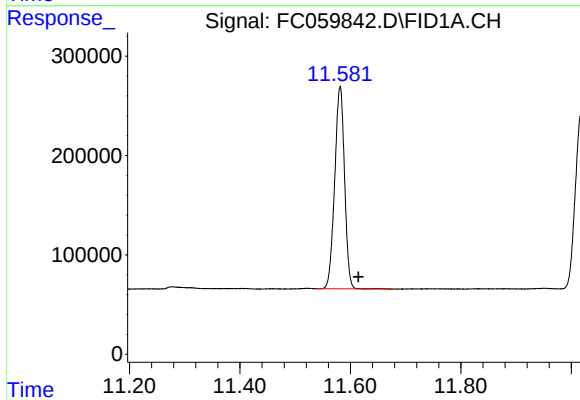
#9 ortho-Terphenyl (SURR)

R.T.: 10.645 min
Delta R.T.: -0.038 min
Response: 2720471
Conc: 18.53 ug/ml

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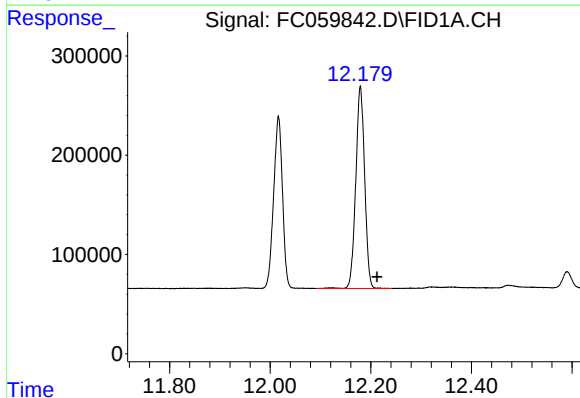
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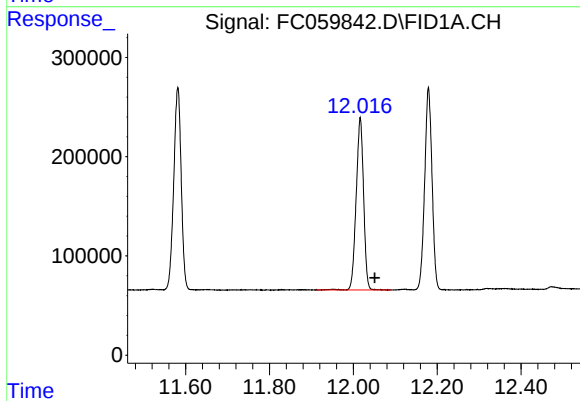
#10 n-Eicosane (C20)

R.T.: 11.581 min
Delta R.T.: -0.033 min
Response: 2523798
Conc: 18.76 ug/ml



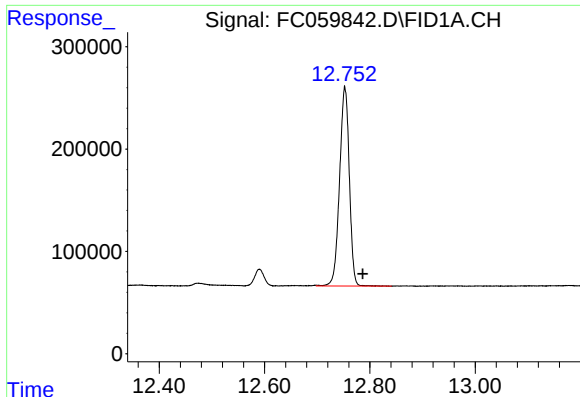
#11 n-Heneicosane (C21)

R.T.: 12.179 min
Delta R.T.: -0.034 min
Response: 2499727
Conc: 18.74 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.016 min
Delta R.T.: -0.035 min
Response: 2130358
Conc: 18.51 ug/ml



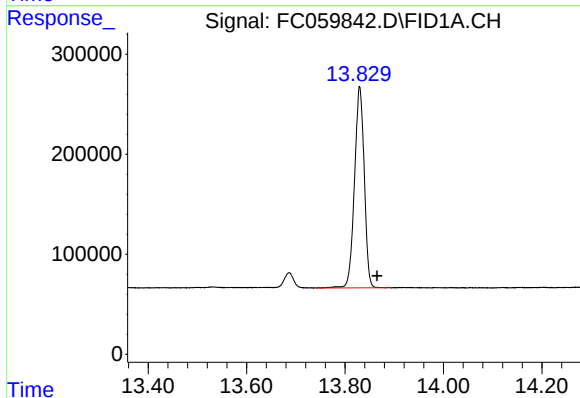
#13 n-Docosane (C22)

R.T.: 12.752 min
Delta R.T.: -0.034 min
Response: 2500195
Conc: 19.05 ug/ml

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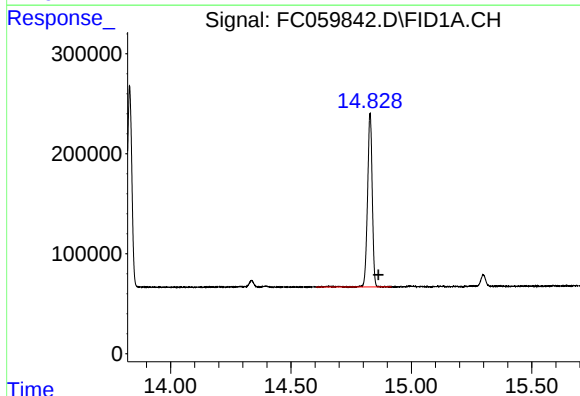
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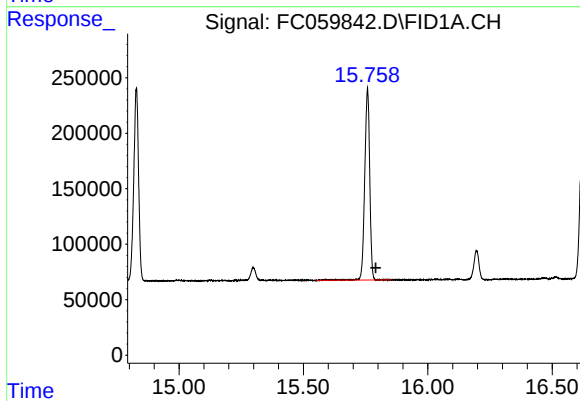
#14 n-Tetracosane (C24)

R.T.: 13.830 min
Delta R.T.: -0.035 min
Response: 2769551
Conc: 22.01 ug/ml



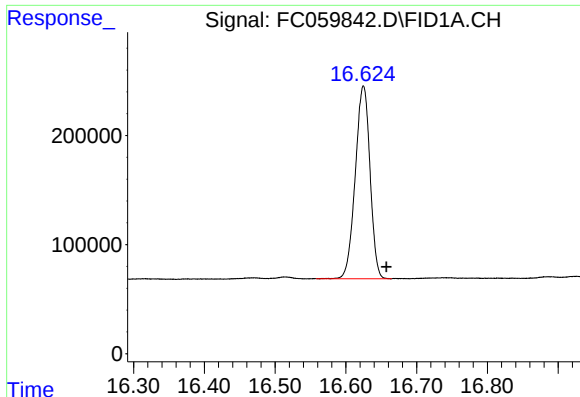
#15 n-Hexacosane (C26)

R.T.: 14.828 min
Delta R.T.: -0.035 min
Response: 2362182
Conc: 19.78 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.757 min
Delta R.T.: -0.033 min
Response: 2424475
Conc: 21.30 ug/ml



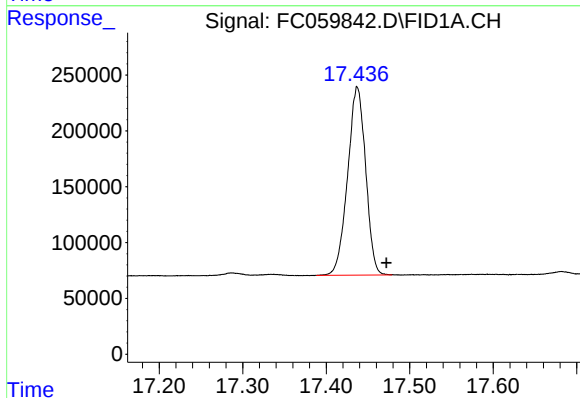
#17 n-Tricontane (C30)

R.T.: 16.624 min
Delta R.T.: -0.033 min
Response: 2556237
Conc: 23.25 ug/ml

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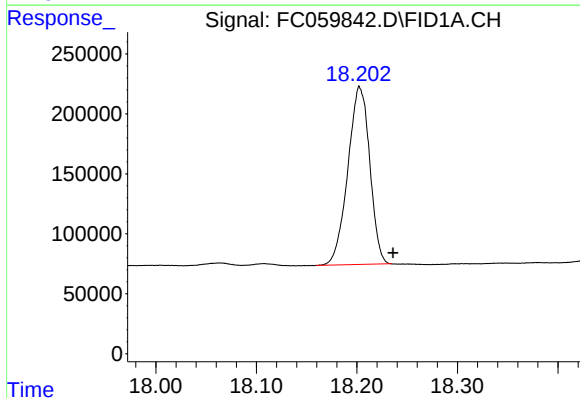
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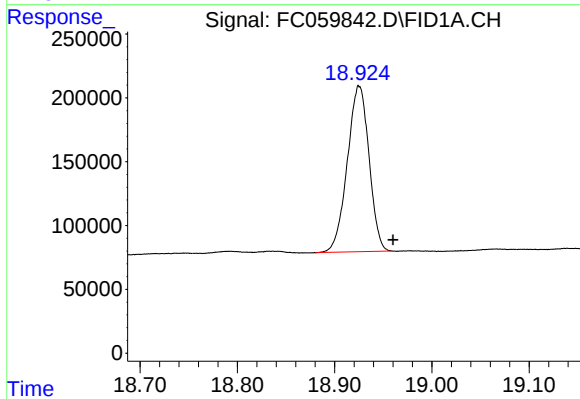
#18 n-Dotriacontane (C32)

R.T.: 17.436 min
Delta R.T.: -0.036 min
Response: 2524886
Conc: 24.42 ug/ml m



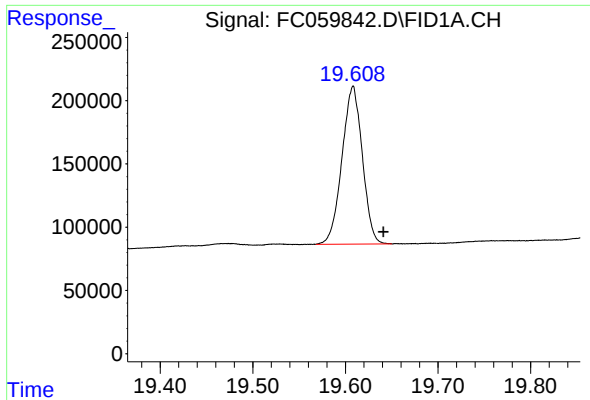
#19 n-Tetratriacontane (C34)

R.T.: 18.202 min
Delta R.T.: -0.034 min
Response: 2243617
Conc: 22.98 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 18.924 min
Delta R.T.: -0.036 min
Response: 2015193
Conc: 21.71 ug/ml m



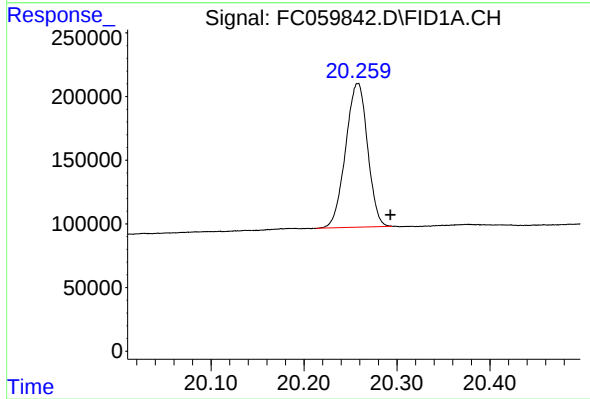
#21 n-Octatriacontane (C38)

R.T.: 19.608 min
Delta R.T.: -0.033 min
Response: 1905115
Conc: 20.01 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.259 min
Delta R.T.: -0.034 min
Response: 1852826
Conc: 19.57 ug/ml m