

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051222AL\
 Data File : FC059725.D
 Signal(s) : FID1A.CH
 Acq On : 12 May 2022 23:10
 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 05/17/2022
 Supervised By :mohammad ahmed 05/17/2022

Integration File: sample.E
 Quant Time: May 13 03:43:15 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)	10.655	2858967	19.469 ug/ml
Spiked Amount 50.000		Recovery =	38.94%
12) S 1-chlorooctadecane (S...	12.024	2253678	19.584 ug/ml
Spiked Amount 50.000		Recovery =	39.17%
Target Compounds			
1) T n-Nonane (C9)	2.632	2498817	19.567 ug/ml
2) T n-Decane (C10)	3.632	2560856	20.221 ug/ml
3) T A~Naphthalene (C11.7)	5.169	2930847	19.905 ug/ml
4) T n-Dodecane (C12)	5.586	2638366	20.062 ug/ml
5) T A~2-methylnaphthalene...	6.193	2994421	19.920 ug/ml
6) T n-Tetradecane (C14)	7.338	2703512	20.092 ug/ml
7) T n-Hexadecane (C16)	8.902	2746423	20.016 ug/ml
8) T n-Octadecane (C18)	10.310	2736889	19.860 ug/ml
10) T n-Eicosane (C20)	11.589	2649929	19.703 ug/ml
11) T n-Heneicosane (C21)	12.187	2605385	19.530 ug/ml
13) T n-Docosane (C22)	12.760	2591909	19.749 ug/ml
14) T n-Tetracosane (C24)	13.837	2555349	20.309 ug/ml
15) T n-Hexacosane (C26)	14.835	2386406	19.982 ug/ml
16) T n-Octacosane (C28)	15.760	2364688	20.771 ug/mlm
17) T n-Tricontane (C30)	16.629	2417055	21.988 ug/ml
18) T n-Dotriacontane (C32)	17.441	2332853	22.565 ug/mlm
19) T n-Tetratriacontane (C34)	18.205	2182126	22.351 ug/mlm
20) T n-Hexatriacontane (C36)	18.929	2009839	21.650 ug/mlm
21) T n-Octatriacontane (C38)	19.611	2084724	21.900 ug/mlm
22) T n-Tetracontane (C40)	20.258	1945163	20.548 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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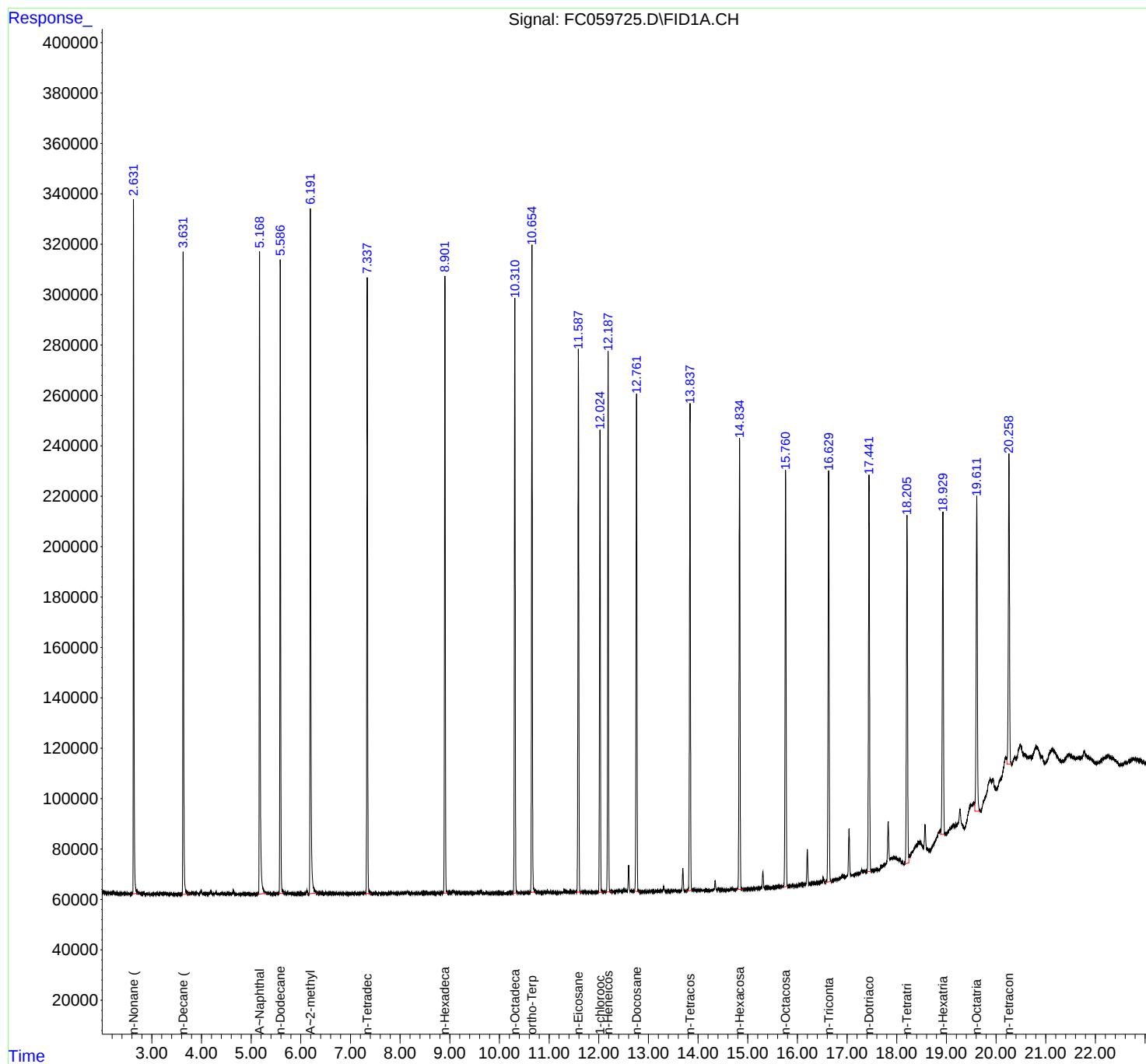
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20 PPM ALIPHATIC HC STD

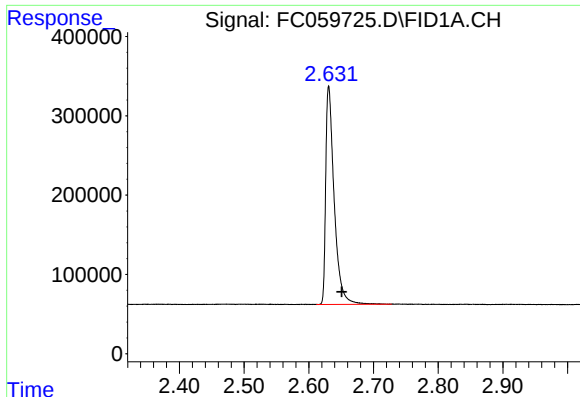
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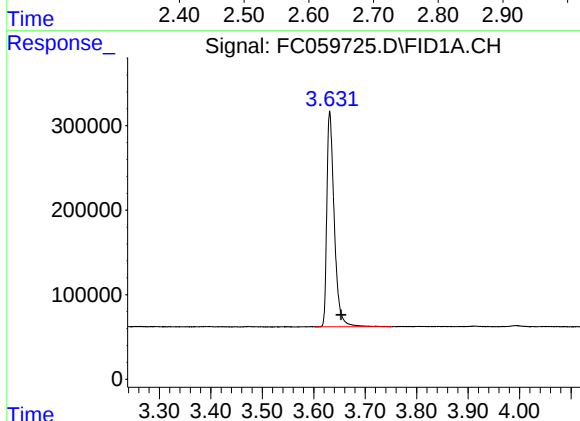
#1 n-Nonane (C9)

R.T.: 2.632 min
Delta R.T.: -0.019 min
Response: 2498817
Conc: 19.57 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

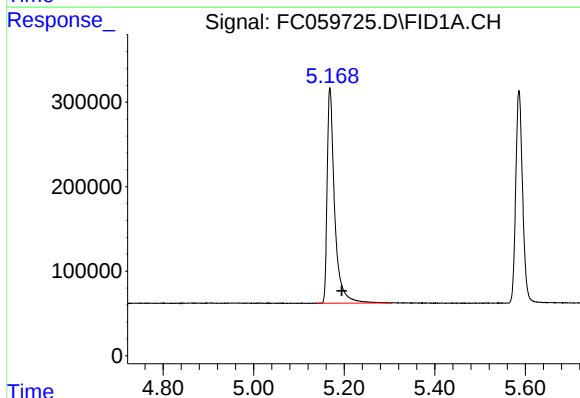
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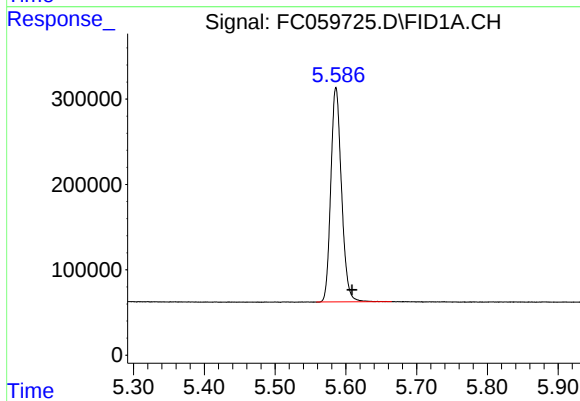
#2 n-Decane (C10)

R.T.: 3.632 min
Delta R.T.: -0.021 min
Response: 2560856
Conc: 20.22 ug/ml



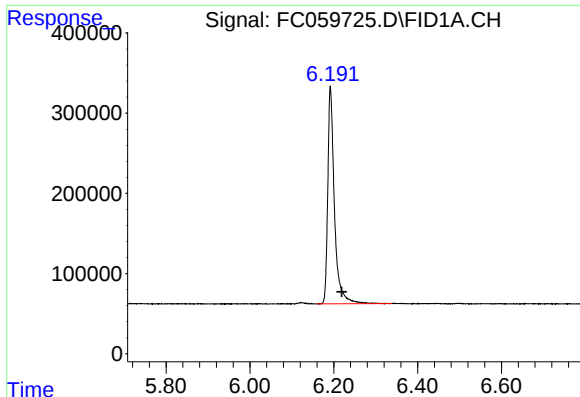
#3 A~Naphthalene (C11.7)

R.T.: 5.169 min
Delta R.T.: -0.025 min
Response: 2930847
Conc: 19.90 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.586 min
Delta R.T.: -0.023 min
Response: 2638366
Conc: 20.06 ug/ml



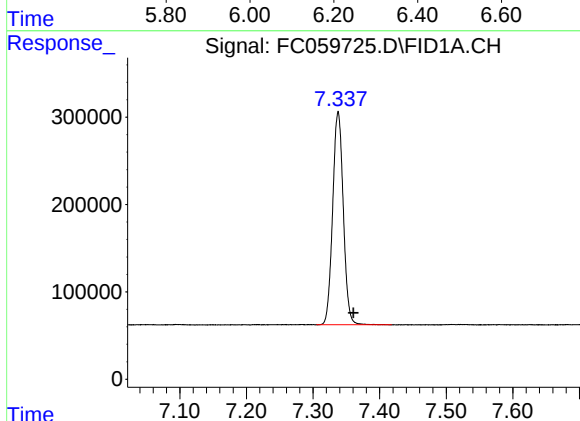
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.193 min
Delta R.T.: -0.027 min
Response: 2994421
Conc: 19.92 ug/ml

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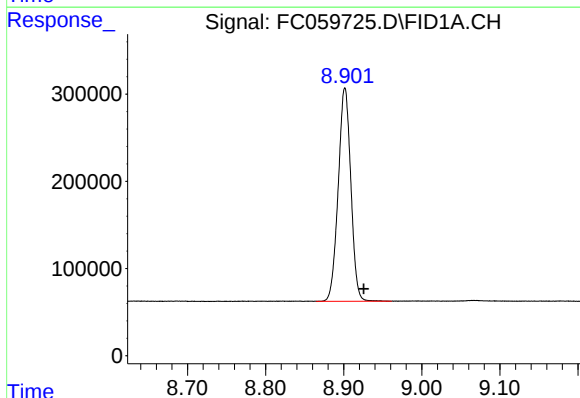
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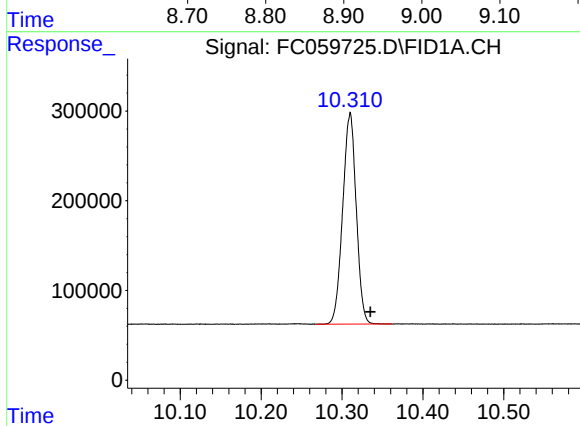
#6 n-Tetradecane (C14)

R.T.: 7.338 min
Delta R.T.: -0.023 min
Response: 2703512
Conc: 20.09 ug/ml



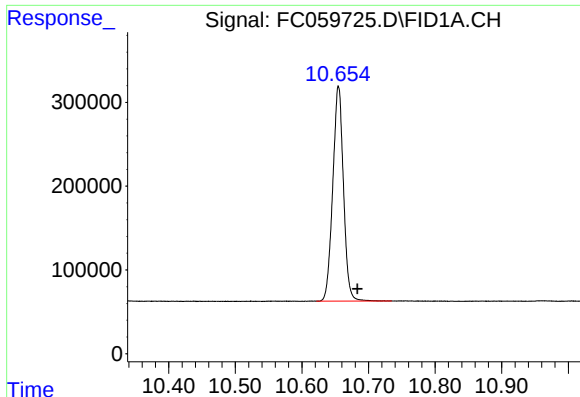
#7 n-Hexadecane (C16)

R.T.: 8.902 min
Delta R.T.: -0.024 min
Response: 2746423
Conc: 20.02 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.310 min
Delta R.T.: -0.025 min
Response: 2736889
Conc: 19.86 ug/ml



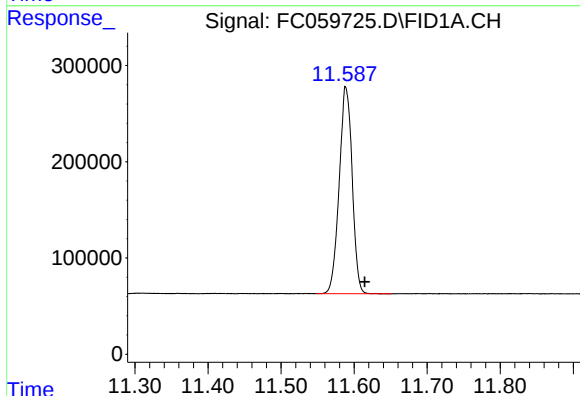
#9 ortho-Terphenyl (SURR)

R.T.: 10.655 min
Delta R.T.: -0.029 min
Response: 2858967
Conc: 19.47 ug/ml

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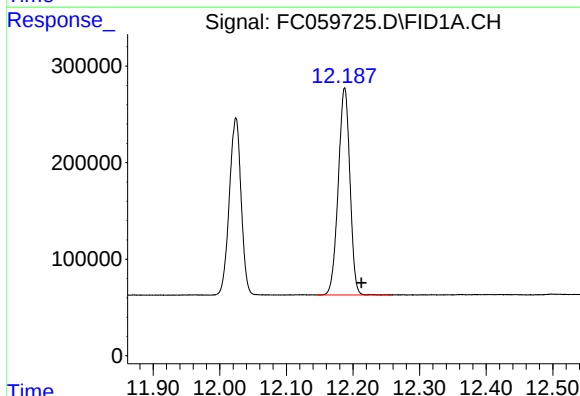
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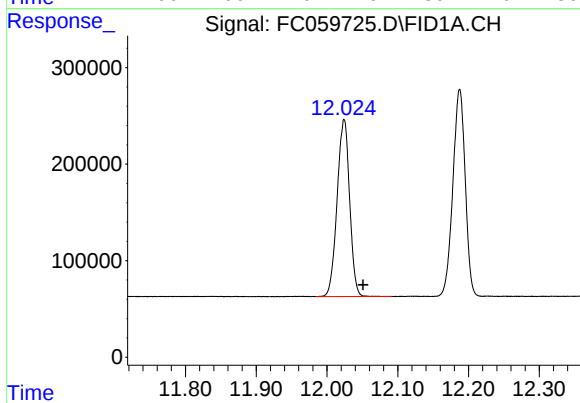
#10 n-Eicosane (C20)

R.T.: 11.589 min
Delta R.T.: -0.025 min
Response: 2649929
Conc: 19.70 ug/ml



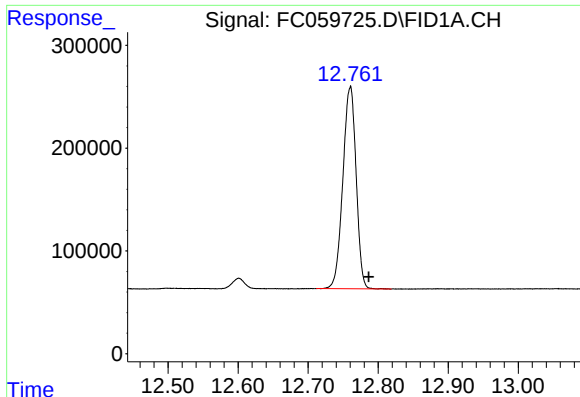
#11 n-Heneicosane (C21)

R.T.: 12.187 min
Delta R.T.: -0.025 min
Response: 2605385
Conc: 19.53 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.024 min
Delta R.T.: -0.027 min
Response: 2253678
Conc: 19.58 ug/ml



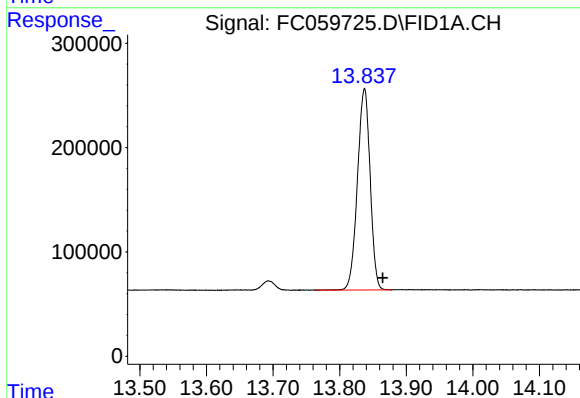
#13 n-Docosane (C22)

R.T.: 12.760 min
Delta R.T.: -0.026 min
Response: 2591909
Conc: 19.75 ug/ml

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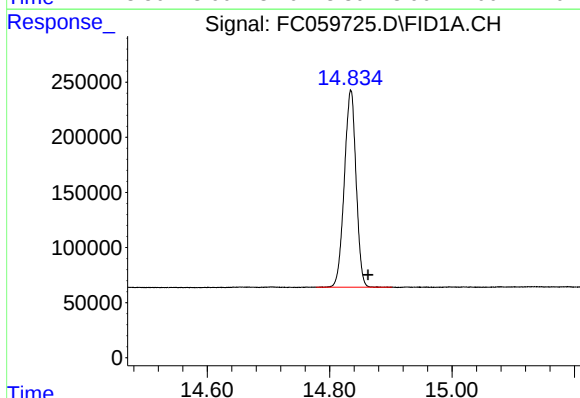
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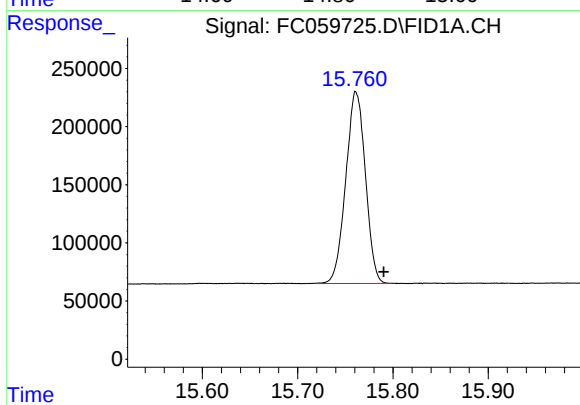
#14 n-Tetracosane (C24)

R.T.: 13.837 min
Delta R.T.: -0.028 min
Response: 2555349
Conc: 20.31 ug/ml



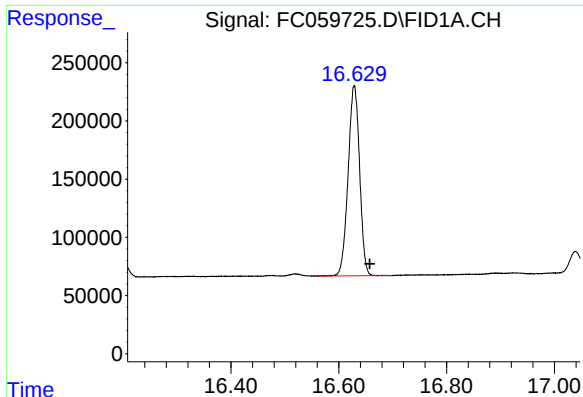
#15 n-Hexacosane (C26)

R.T.: 14.835 min
Delta R.T.: -0.028 min
Response: 2386406
Conc: 19.98 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.760 min
Delta R.T.: -0.030 min
Response: 2364688
Conc: 20.77 ug/ml m



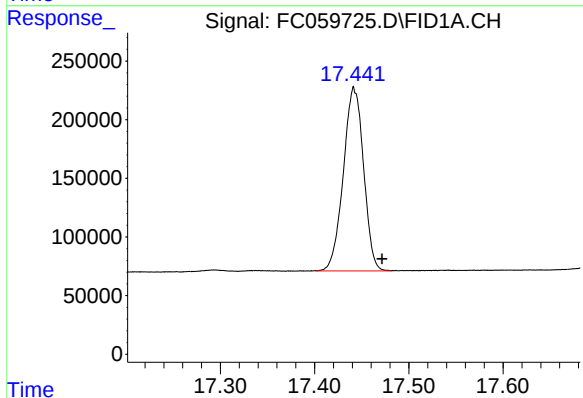
#17 n-Tricontane (C30)

R.T.: 16.629 min
Delta R.T.: -0.029 min
Response: 2417055
Conc: 21.99 ug/ml

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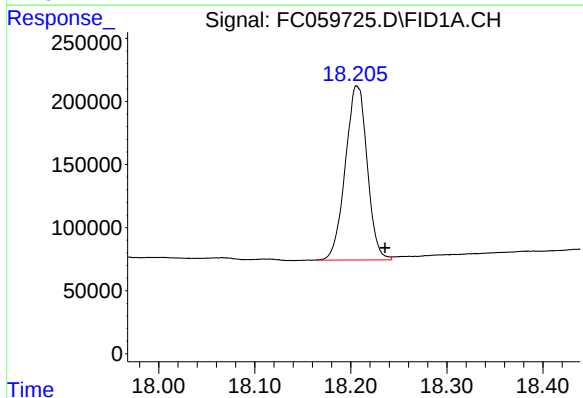
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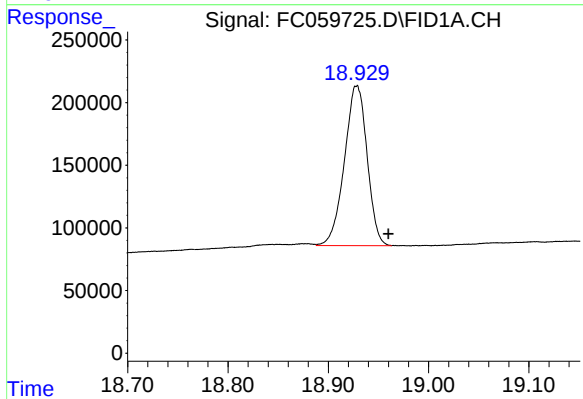
#18 n-Dotriacontane (C32)

R.T.: 17.441 min
Delta R.T.: -0.031 min
Response: 2332853
Conc: 22.57 ug/ml m



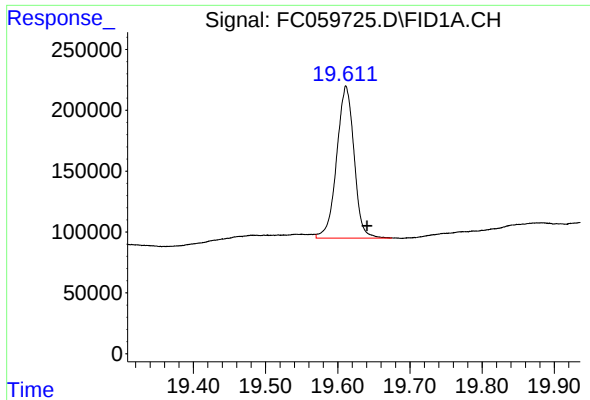
#19 n-Tetratriacontane (C34)

R.T.: 18.205 min
Delta R.T.: -0.031 min
Response: 2182126
Conc: 22.35 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 18.929 min
Delta R.T.: -0.031 min
Response: 2009839
Conc: 21.65 ug/ml m



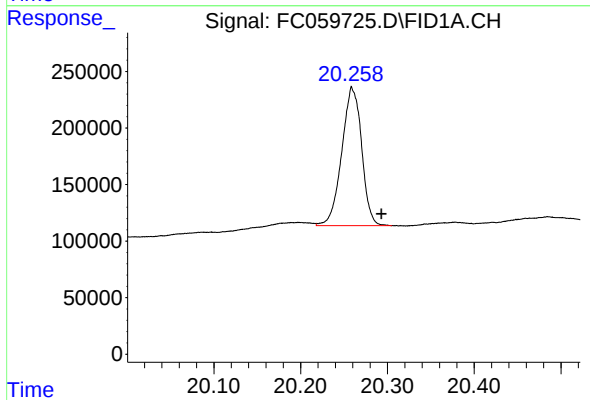
#21 n-Octatriacontane (C38)

R.T.: 19.611 min
Delta R.T.: -0.030 min
Response: 2084724
Conc: 21.90 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.258 min
Delta R.T.: -0.035 min
Response: 1945163
Conc: 20.55 ug/ml m