

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051622AL\
 Data File : FC059769.D
 Signal(s) : FID1A.CH
 Acq On : 16 May 2022 10:50
 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 16 19:59:36 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)	10.660	3011331	20.507 ug/ml
Spiked Amount 50.000		Recovery =	41.01%
12) S 1-chlorooctadecane (S...	12.031	2355225	20.466 ug/ml
Spiked Amount 50.000		Recovery =	40.93%
Target Compounds			
1) T n-Nonane (C9)	2.632	2696171	21.113 ug/ml
2) T n-Decane (C10)	3.632	2784702	21.988 ug/ml
3) T A~Naphthalene (C11.7)	5.169	3157473	21.444 ug/ml
4) T n-Dodecane (C12)	5.587	2906373	22.100 ug/ml
5) T A~2-methylnaphthalene...	6.194	3224993	21.454 ug/ml
6) T n-Tetradecane (C14)	7.340	2931462	21.786 ug/ml
7) T n-Hexadecane (C16)	8.905	2950506	21.503 ug/ml
8) T n-Octadecane (C18)	10.315	2908271	21.104 ug/ml
10) T n-Eicosane (C20)	11.596	2792731	20.764 ug/ml
11) T n-Heneicosane (C21)	12.194	2738138	20.525 ug/ml
13) T n-Docosane (C22)	12.767	2714736	20.685 ug/ml
14) T n-Tetracosane (C24)	13.846	2672274	21.239 ug/ml
15) T n-Hexacosane (C26)	14.846	2525659	21.148 ug/ml
16) T n-Octacosane (C28)	15.774	2552045	22.417 ug/ml
17) T n-Tricontane (C30)	16.642	2677668	24.359 ug/ml
18) T n-Dotriacontane (C32)	17.455	2609190	25.238 ug/mlm
19) T n-Tetratriacontane (C34)	18.220	2384167	24.420 ug/mlm
20) T n-Hexatriacontane (C36)	18.944	2176168	23.441 ug/mlm
21) T n-Octatriacontane (C38)	19.628	2232115	23.448 ug/mlm
22) T n-Tetracontane (C40)	20.276	2103076	22.216 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

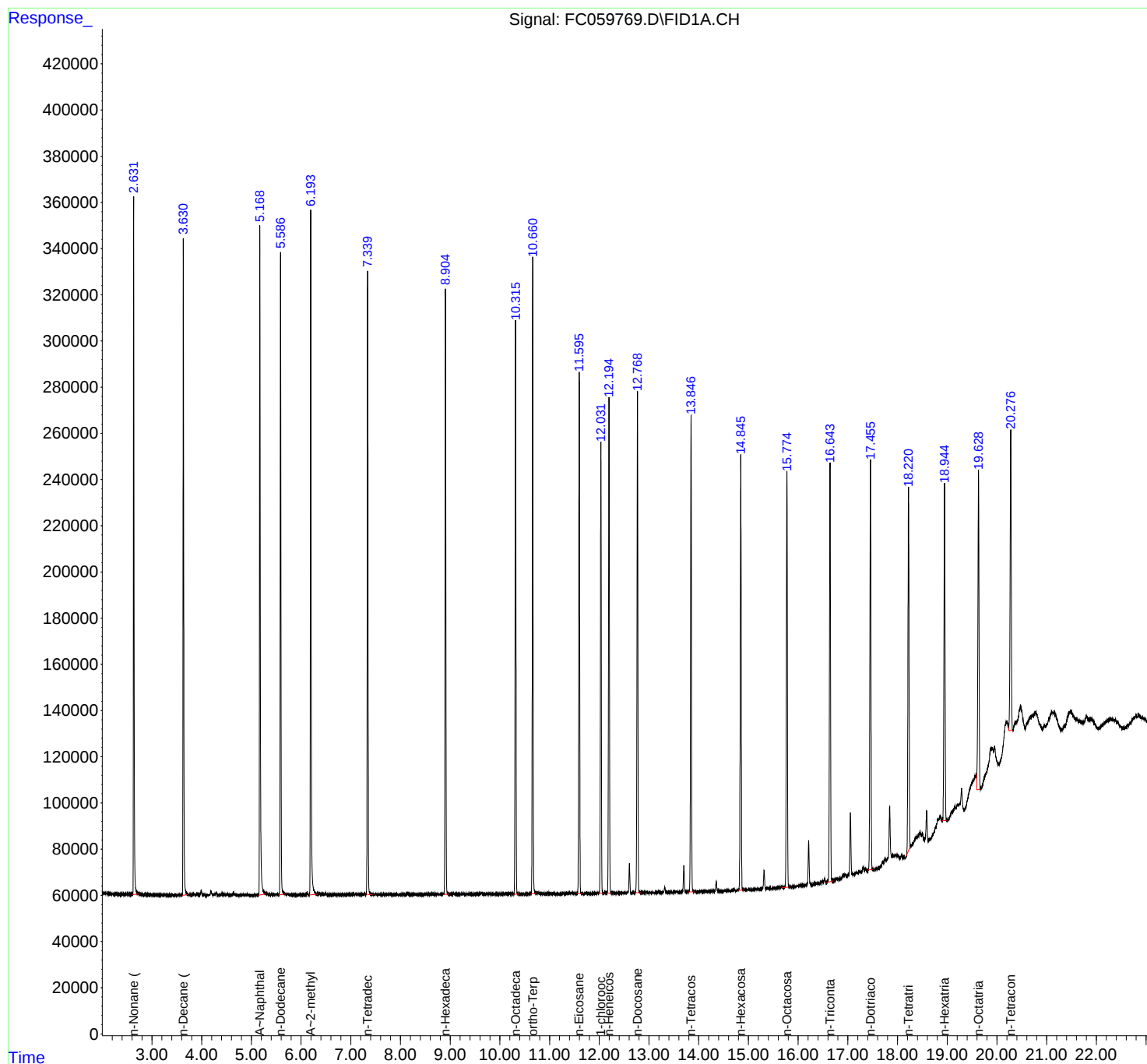
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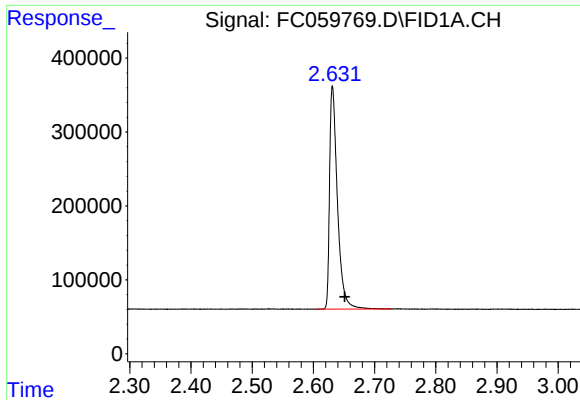
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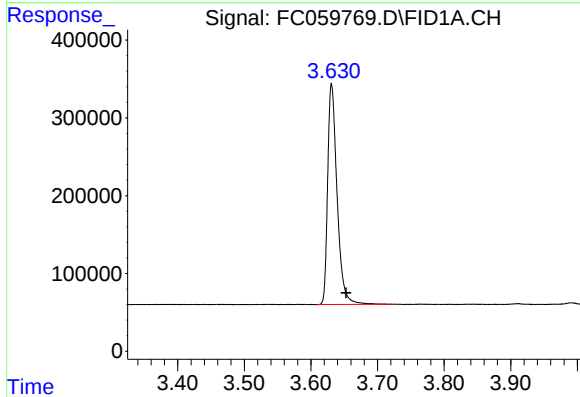
#1 n-Nonane (C9)

R.T.: 2.632 min
Delta R.T.: -0.019 min
Response: 2696171
Conc: 21.11 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

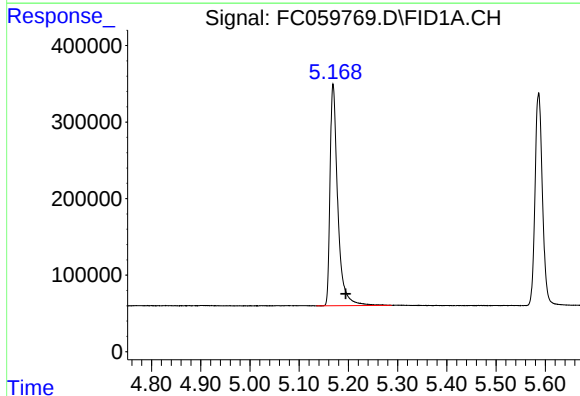
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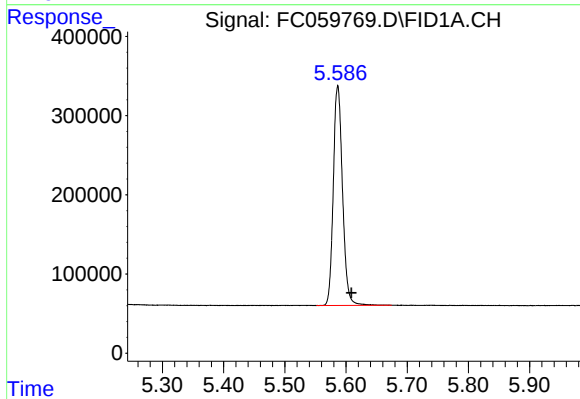
#2 n-Decane (C10)

R.T.: 3.632 min
Delta R.T.: -0.021 min
Response: 2784702
Conc: 21.99 ug/ml



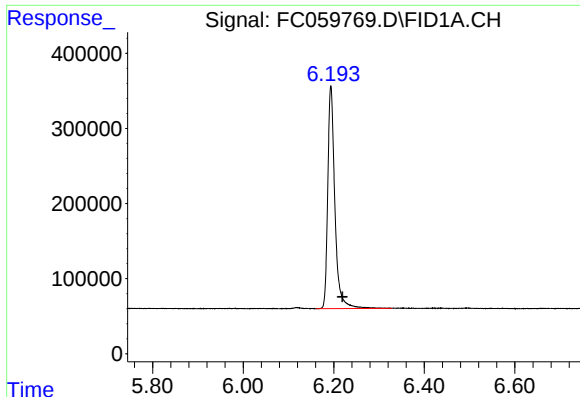
#3 A~Naphthalene (C11.7)

R.T.: 5.169 min
Delta R.T.: -0.025 min
Response: 3157473
Conc: 21.44 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.587 min
Delta R.T.: -0.022 min
Response: 2906373
Conc: 22.10 ug/ml



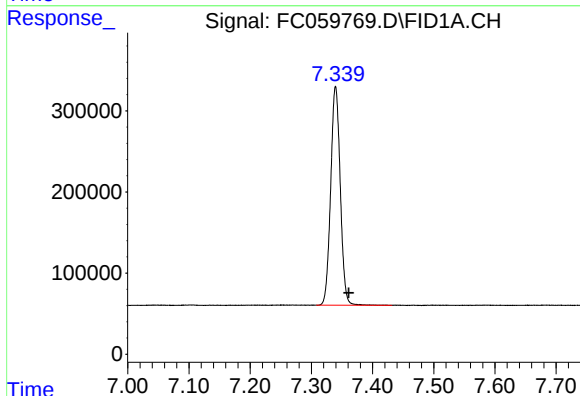
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.194 min
Delta R.T.: -0.025 min
Response: 3224993
Conc: 21.45 ug/ml

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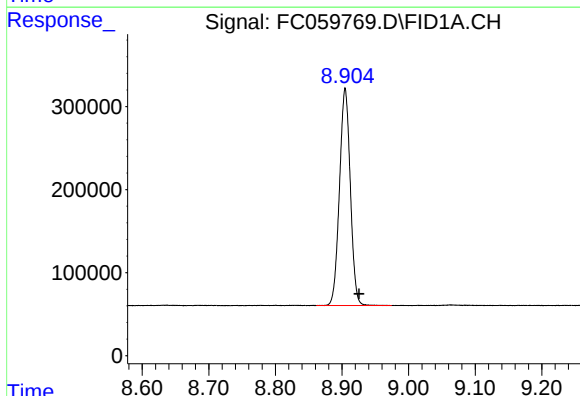
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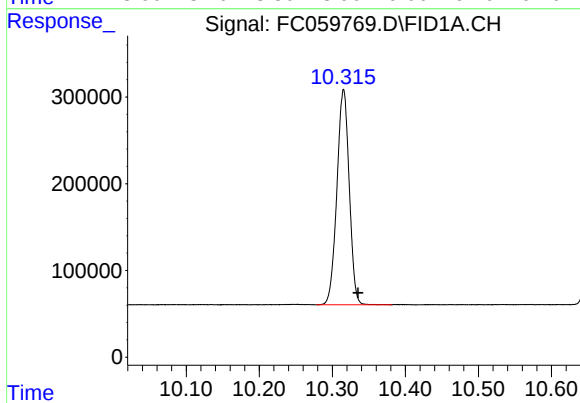
#6 n-Tetradecane (C14)

R.T.: 7.340 min
Delta R.T.: -0.021 min
Response: 2931462
Conc: 21.79 ug/ml



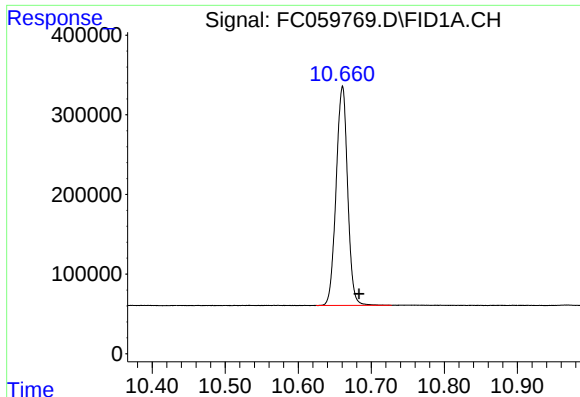
#7 n-Hexadecane (C16)

R.T.: 8.905 min
Delta R.T.: -0.021 min
Response: 2950506
Conc: 21.50 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.315 min
Delta R.T.: -0.020 min
Response: 2908271
Conc: 21.10 ug/ml



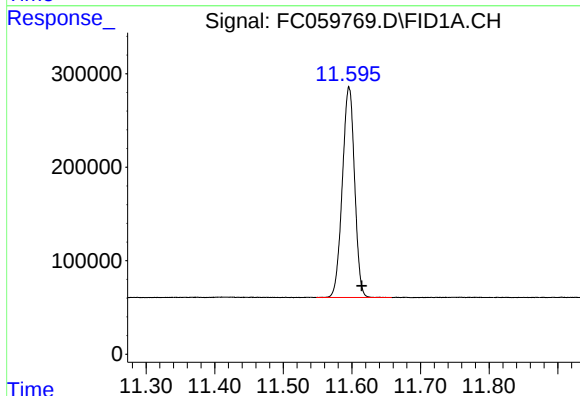
#9 ortho-Terphenyl (SURR)

R.T.: 10.660 min
Delta R.T.: -0.023 min
Response: 3011331
Conc: 20.51 ug/ml

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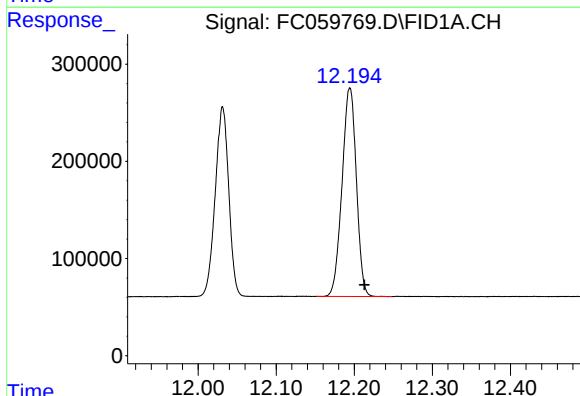
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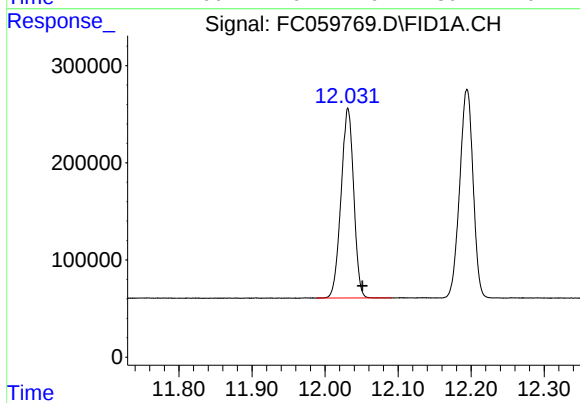
#10 n-Eicosane (C20)

R.T.: 11.596 min
Delta R.T.: -0.019 min
Response: 2792731
Conc: 20.76 ug/ml



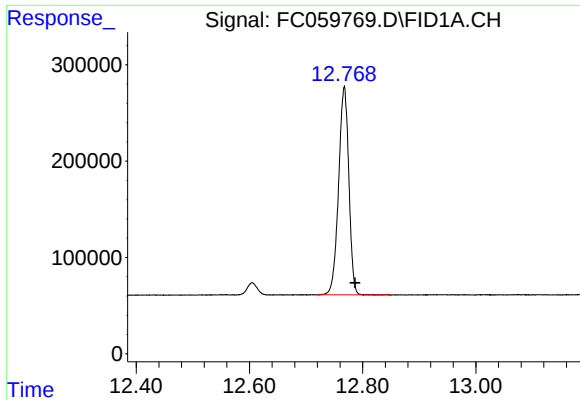
#11 n-Heneicosane (C21)

R.T.: 12.194 min
Delta R.T.: -0.019 min
Response: 2738138
Conc: 20.53 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.031 min
Delta R.T.: -0.020 min
Response: 2355225
Conc: 20.47 ug/ml



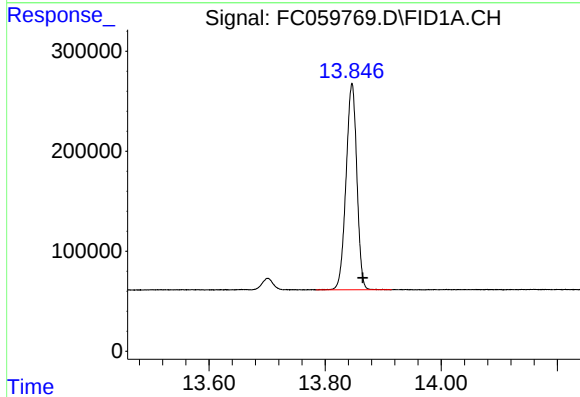
#13 n-Docosane (C22)

R.T.: 12.767 min
Delta R.T.: -0.019 min
Response: 2714736
Conc: 20.69 ug/ml

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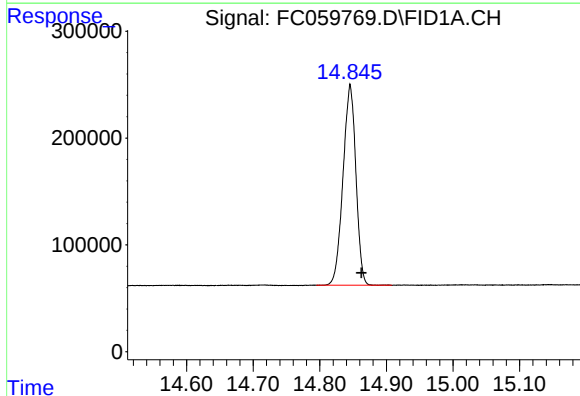
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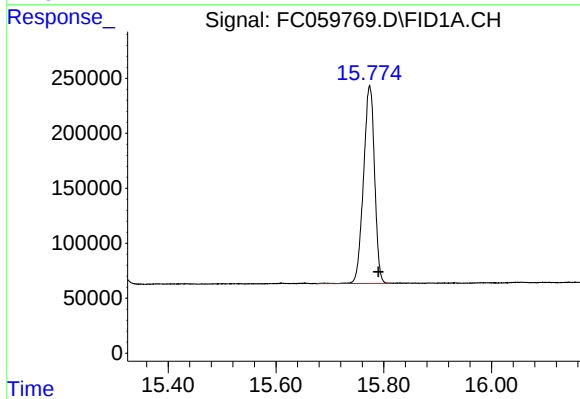
#14 n-Tetracosane (C24)

R.T.: 13.846 min
Delta R.T.: -0.019 min
Response: 2672274
Conc: 21.24 ug/ml



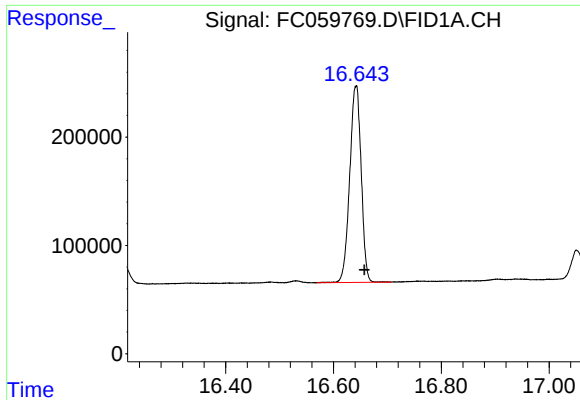
#15 n-Hexacosane (C26)

R.T.: 14.846 min
Delta R.T.: -0.017 min
Response: 2525659
Conc: 21.15 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.774 min
Delta R.T.: -0.016 min
Response: 2552045
Conc: 22.42 ug/ml



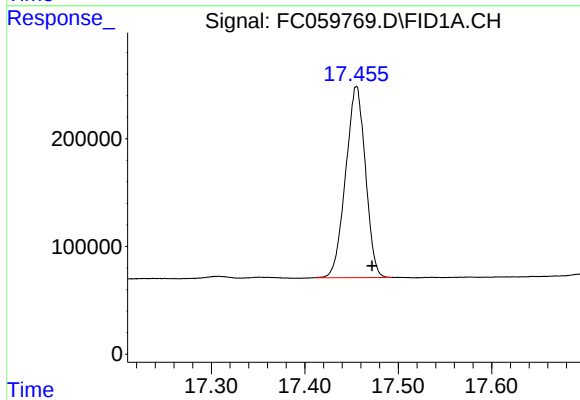
#17 n-Tricontane (C30)

R.T.: 16.642 min
Delta R.T.: -0.016 min
Response: 2677668
Conc: 24.36 ug/ml

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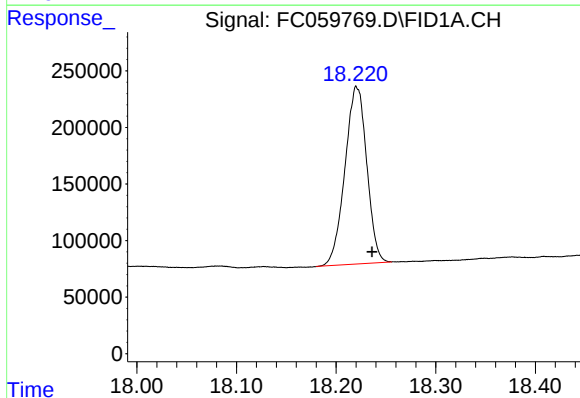
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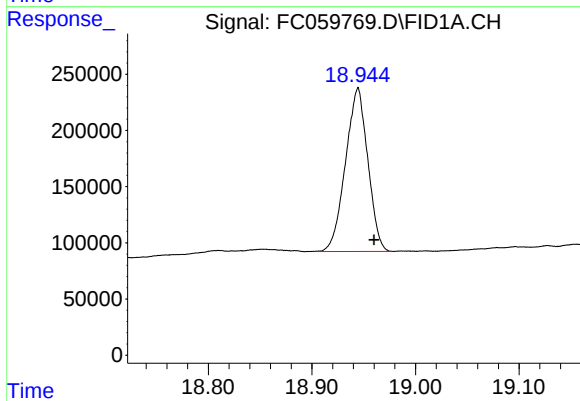
#18 n-Dotriacontane (C32)

R.T.: 17.455 min
Delta R.T.: -0.017 min
Response: 2609190
Conc: 25.24 ug/ml m



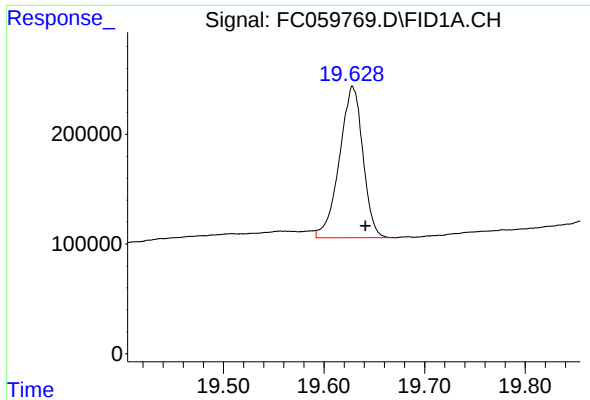
#19 n-Tetratriacontane (C34)

R.T.: 18.220 min
Delta R.T.: -0.016 min
Response: 2384167
Conc: 24.42 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 18.944 min
Delta R.T.: -0.016 min
Response: 2176168
Conc: 23.44 ug/ml m



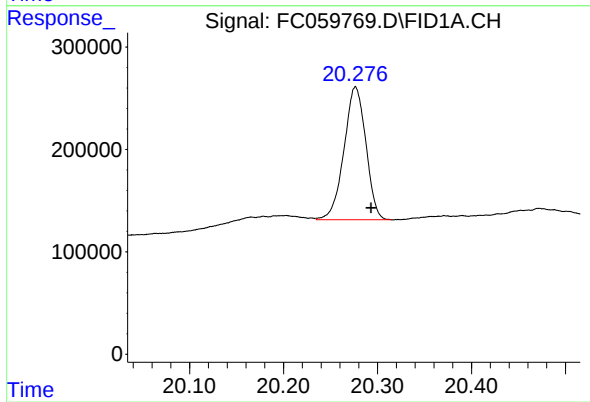
#21 n-Octatriacontane (C38)

R.T.: 19.628 min
Delta R.T.: -0.013 min
Response: 2232115
Conc: 23.45 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.276 min
Delta R.T.: -0.017 min
Response: 2103076
Conc: 22.22 ug/ml m