

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051622AL\
 Data File : FC059786.D
 Signal(s) : FID1A.CH
 Acq On : 16 May 2022 22:52
 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 23:14:40 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	2720087	18.523 ug/ml
Spiked Amount 50.000		Recovery =	37.05%
12) S 1-chlorooctadecane (S...	12.026	2122108	18.440 ug/ml
Spiked Amount 50.000		Recovery =	36.88%
Target Compounds			
1) T n-Nonane (C9)	2.633	2433264	19.054 ug/ml
2) T n-Decane (C10)	3.632	2517546	19.879 ug/ml
3) T A~Naphthalene (C11.7)	5.168	2853096	19.377 ug/ml
4) T n-Dodecane (C12)	5.585	2635147	20.038 ug/ml
5) T A~2-methylnaphthalene...	6.191	2909083	19.353 ug/ml
6) T n-Tetradecane (C14)	7.337	2651997	19.709 ug/ml
7) T n-Hexadecane (C16)	8.902	2664744	19.420 ug/ml
8) T n-Octadecane (C18)	10.311	2629698	19.082 ug/ml
10) T n-Eicosane (C20)	11.591	2523946	18.766 ug/ml
11) T n-Heneicosane (C21)	12.189	2473280	18.540 ug/ml
13) T n-Docosane (C22)	12.761	2458687	18.734 ug/ml
14) T n-Tetracosane (C24)	13.839	2444037	19.425 ug/ml
15) T n-Hexacosane (C26)	14.838	2298664	19.247 ug/ml
16) T n-Octacosane (C28)	15.766	2317135	20.353 ug/ml
17) T n-Tricontane (C30)	16.633	2442456	22.219 ug/ml
18) T n-Dotriacontane (C32)	17.446	2381959	23.040 ug/mlm
19) T n-Tetratriacontane (C34)	18.212	2203324	22.568 ug/mlm
20) T n-Hexatriacontane (C36)	18.934	2015176	21.707 ug/mlm
21) T n-Octatriacontane (C38)	19.618	1904850	20.010 ug/mlm
22) T n-Tetracontane (C40)	20.267	1902119	20.093 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

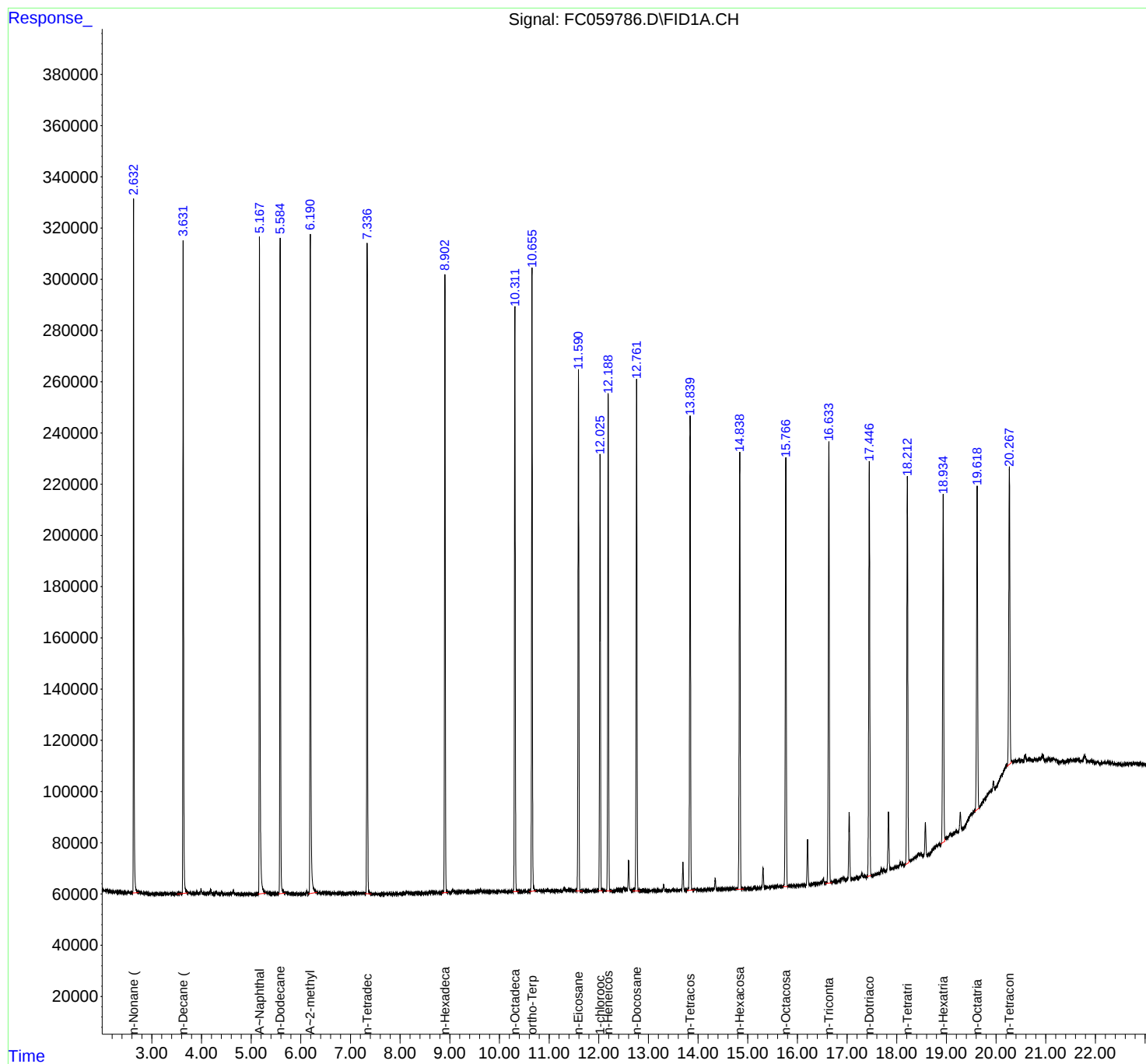
Instrument :
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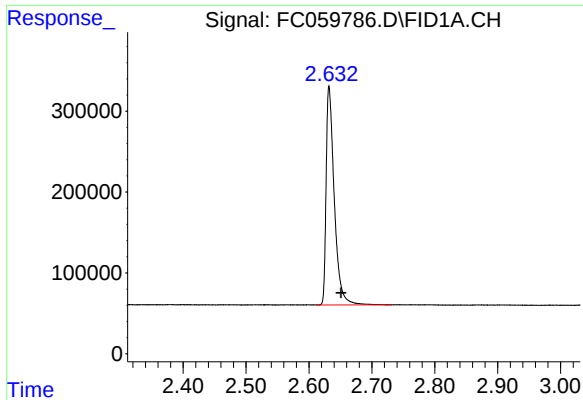
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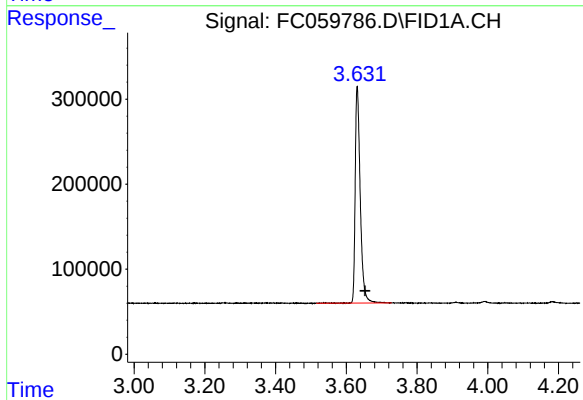
#1 n-Nonane (C9)

R.T.: 2.633 min
Delta R.T.: -0.018 min
Response: 2433264
Conc: 19.05 ug/ml

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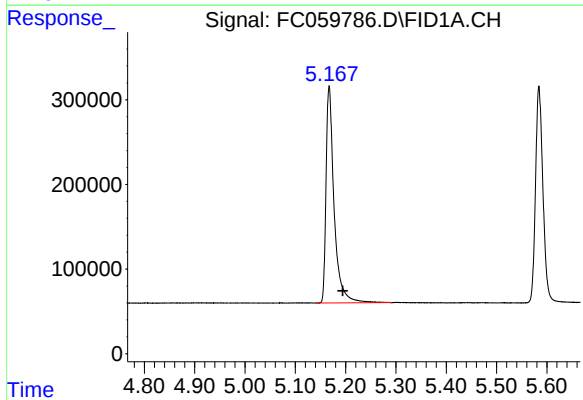
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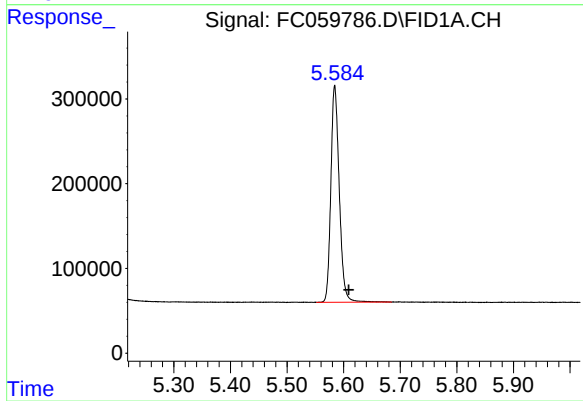
#2 n-Decane (C10)

R.T.: 3.632 min
Delta R.T.: -0.021 min
Response: 2517546
Conc: 19.88 ug/ml



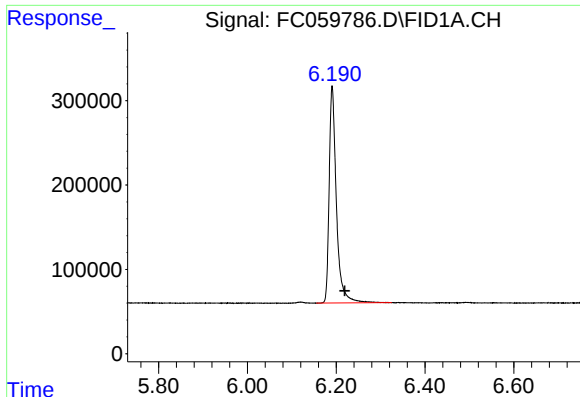
#3 A~Naphthalene (C11.7)

R.T.: 5.168 min
Delta R.T.: -0.027 min
Response: 2853096
Conc: 19.38 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.585 min
Delta R.T.: -0.024 min
Response: 2635147
Conc: 20.04 ug/ml



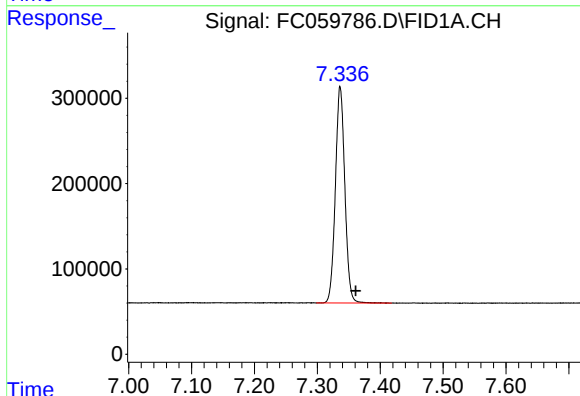
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.191 min
Delta R.T.: -0.028 min
Response: 2909083
Conc: 19.35 ug/ml

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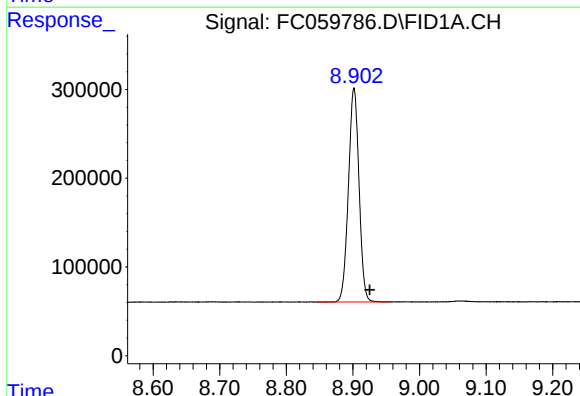
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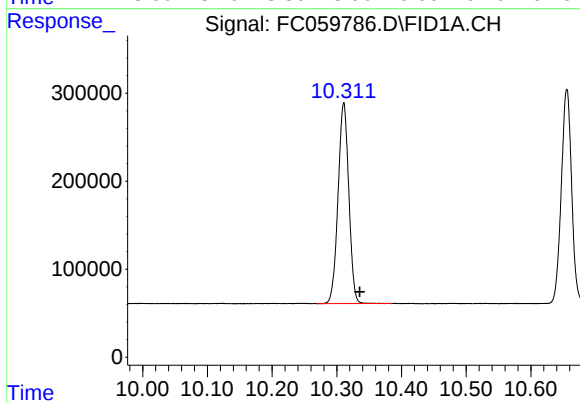
#6 n-Tetradecane (C14)

R.T.: 7.337 min
Delta R.T.: -0.024 min
Response: 2651997
Conc: 19.71 ug/ml



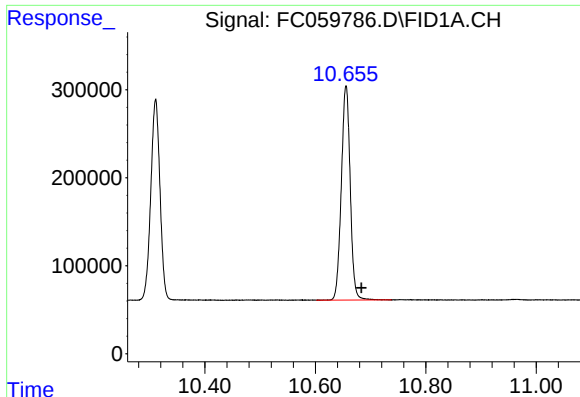
#7 n-Hexadecane (C16)

R.T.: 8.902 min
Delta R.T.: -0.024 min
Response: 2664744
Conc: 19.42 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.311 min
Delta R.T.: -0.025 min
Response: 2629698
Conc: 19.08 ug/ml



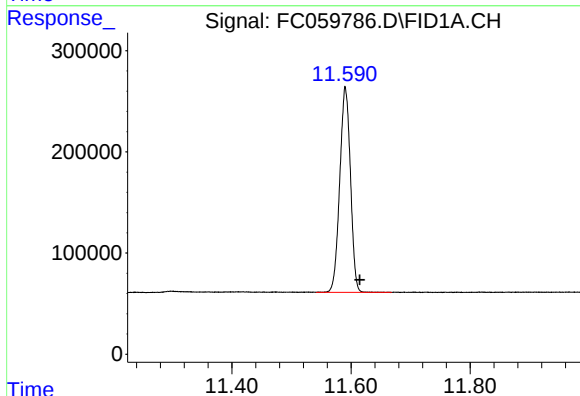
#9 ortho-Terphenyl (SURR)

R.T.: 10.655 min
Delta R.T.: -0.028 min
Response: 2720087
Conc: 18.52 ug/ml

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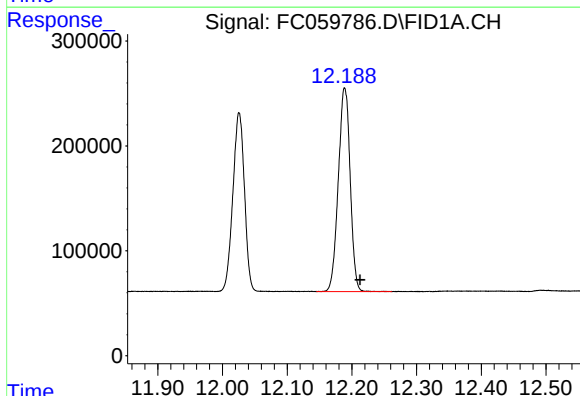
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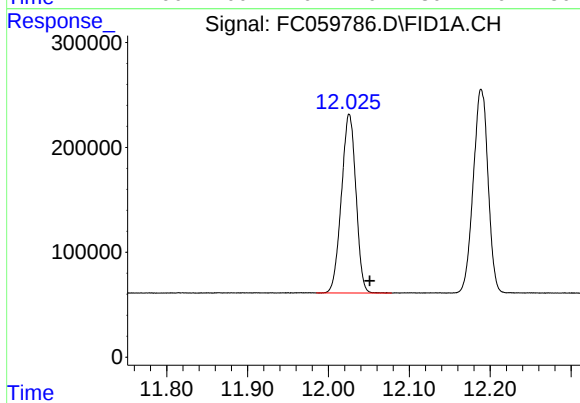
#10 n-Eicosane (C20)

R.T.: 11.591 min
Delta R.T.: -0.024 min
Response: 2523946
Conc: 18.77 ug/ml



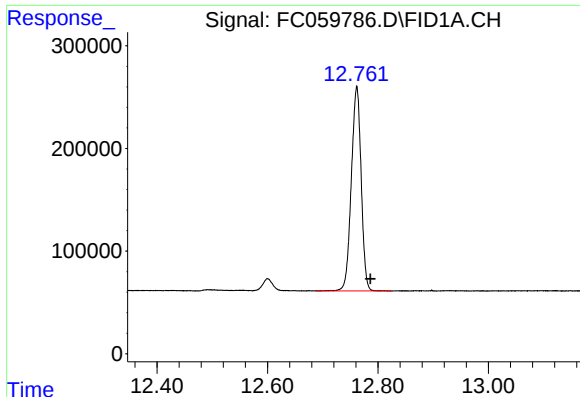
#11 n-Heneicosane (C21)

R.T.: 12.189 min
Delta R.T.: -0.024 min
Response: 2473280
Conc: 18.54 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.026 min
Delta R.T.: -0.026 min
Response: 2122108
Conc: 18.44 ug/ml



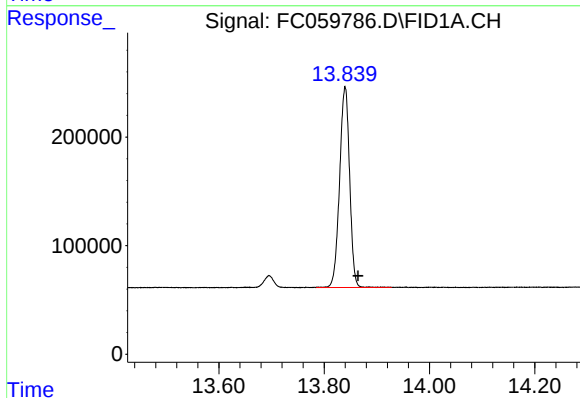
#13 n-Docosane (C22)

R.T.: 12.761 min
Delta R.T.: -0.025 min
Response: 2458687
Conc: 18.73 ug/ml

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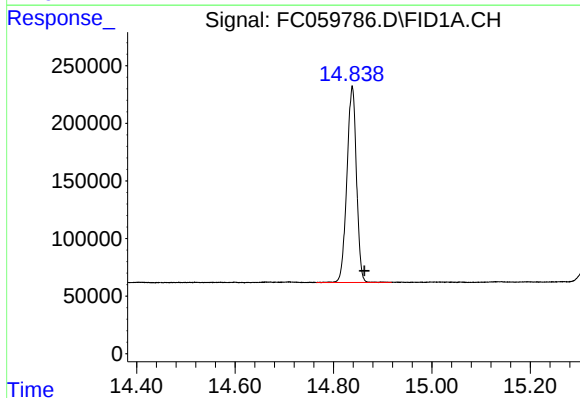
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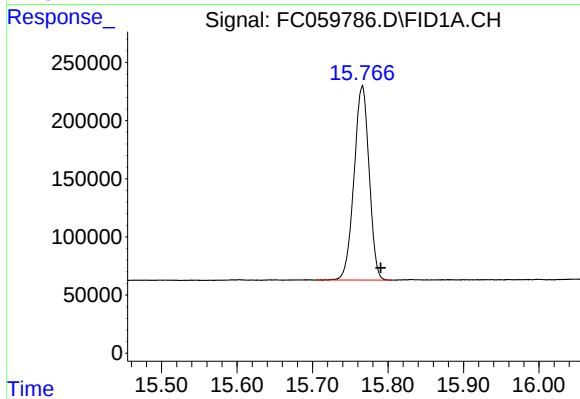
#14 n-Tetracosane (C24)

R.T.: 13.839 min
Delta R.T.: -0.025 min
Response: 2444037
Conc: 19.42 ug/ml



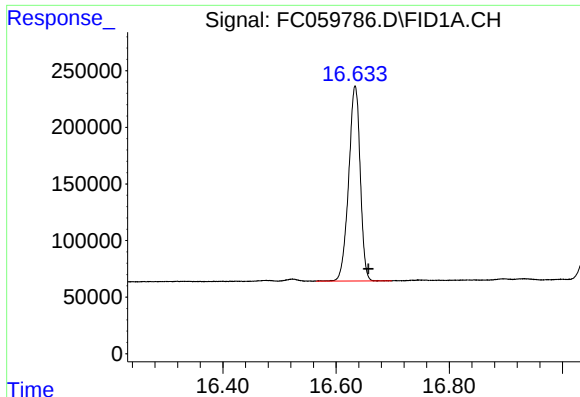
#15 n-Hexacosane (C26)

R.T.: 14.838 min
Delta R.T.: -0.025 min
Response: 2298664
Conc: 19.25 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.766 min
Delta R.T.: -0.025 min
Response: 2317135
Conc: 20.35 ug/ml



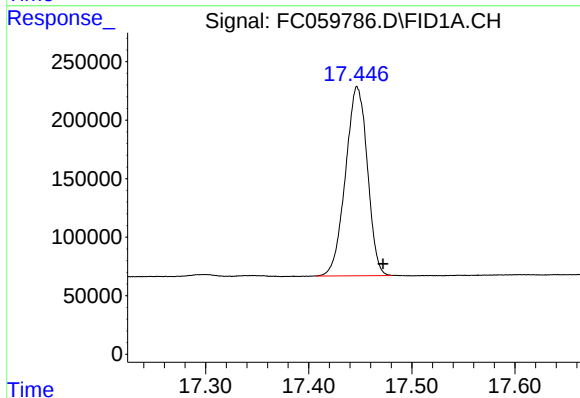
#17 n-Tricontane (C30)

R.T.: 16.633 min
Delta R.T.: -0.024 min
Response: 2442456
Conc: 22.22 ug/ml

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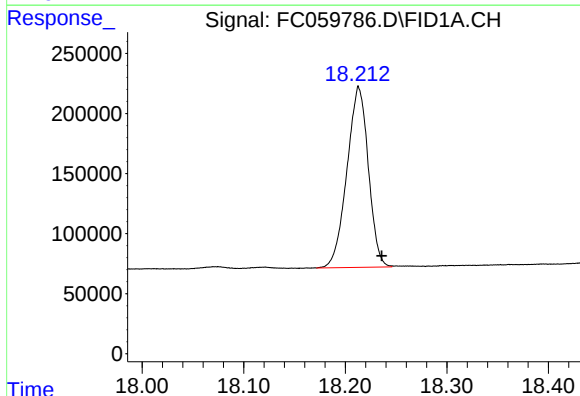
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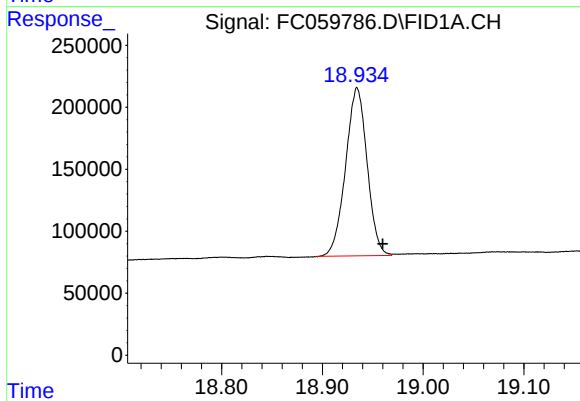
#18 n-Dotriacontane (C32)

R.T.: 17.446 min
Delta R.T.: -0.026 min
Response: 2381959
Conc: 23.04 ug/ml m



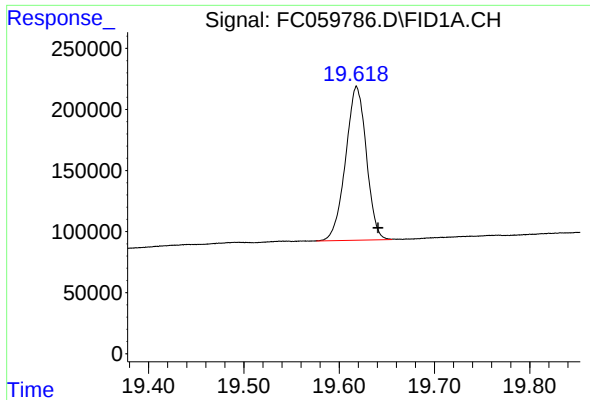
#19 n-Tetratriacontane (C34)

R.T.: 18.212 min
Delta R.T.: -0.024 min
Response: 2203324
Conc: 22.57 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 18.934 min
Delta R.T.: -0.026 min
Response: 2015176
Conc: 21.71 ug/ml m



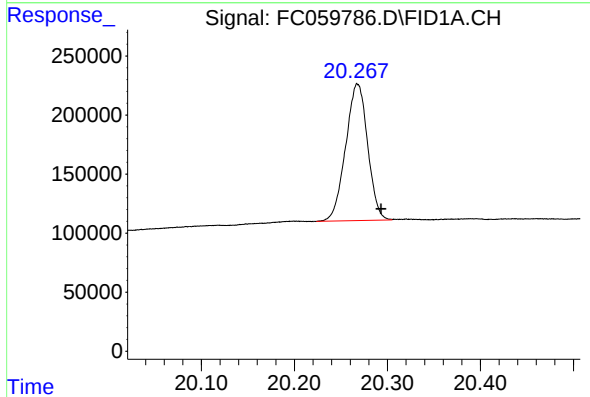
#21 n-Octatriacontane (C38)

R.T.: 19.618 min
Delta R.T.: -0.023 min
Response: 1904850
Conc: 20.01 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.267 min
Delta R.T.: -0.026 min
Response: 1902119
Conc: 20.09 ug/ml m