

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC042622AL\
 Data File : FC059449.D
 Signal(s) : FID1A.CH
 Acq On : 26 Apr 2022 20:59
 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 04/27/2022
 Supervised By :mohammad ahmed 04/27/2022

Integration File: sample.E
 Quant Time: Apr 27 00:16:12 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 042122.M
 Quant Title : GC Extractables
 QLast Update : Thu Apr 21 17:30:29 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)	11.097	3207416	19.960 ug/ml
Spiked Amount 50.000		Recovery =	39.92%
12) S 1-chlorooctadecane (S...	12.543	2534023	19.405 ug/ml
Spiked Amount 50.000		Recovery =	38.81%
Target Compounds			
1) T n-Nonane (C9)	2.962	2673286	21.330 ug/ml
2) T n-Decane (C10)	4.002	2698781	21.602 ug/ml
3) T A~Naphthalene (C11.7)	5.551	2764629	22.538 ug/ml
4) T n-Dodecane (C12)	5.999	2864644	21.724 ug/ml
5) T A~2-methylnaphthalene...	6.599	2860303	22.664 ug/ml
6) T n-Tetradecane (C14)	7.780	2910307	21.516 ug/ml
7) T n-Hexadecane (C16)	9.372	2982682	21.238 ug/ml
8) T n-Octadecane (C18)	10.805	3017418	20.656 ug/ml
10) T n-Eicosane (C20)	12.106	2969499	19.801 ug/ml
11) T n-Heneicosane (C21)	12.715	2953503	19.417 ug/ml
13) T n-Docosane (C22)	13.298	2922488	19.073 ug/ml
14) T n-Tetracosane (C24)	14.395	2826583	18.255 ug/ml
15) T n-Hexacosane (C26)	15.411	2670396	17.327 ug/mlm
16) T n-Octacosane (C28)	16.357	2565557	16.573 ug/mlm
17) T n-Tricontane (C30)	17.241	2480567	16.331 ug/ml
18) T n-Dotriacontane (C32)	18.070	2314813	16.429 ug/ml
19) T n-Tetratriacontane (C34)	18.849	2118833	16.765 ug/ml
20) T n-Hexatriacontane (C36)	19.587	1921070	17.564 ug/ml
21) T n-Octatriacontane (C38)	20.285	1763772	18.938 ug/ml
22) T n-Tetracontane (C40)	21.025	1732459	20.741 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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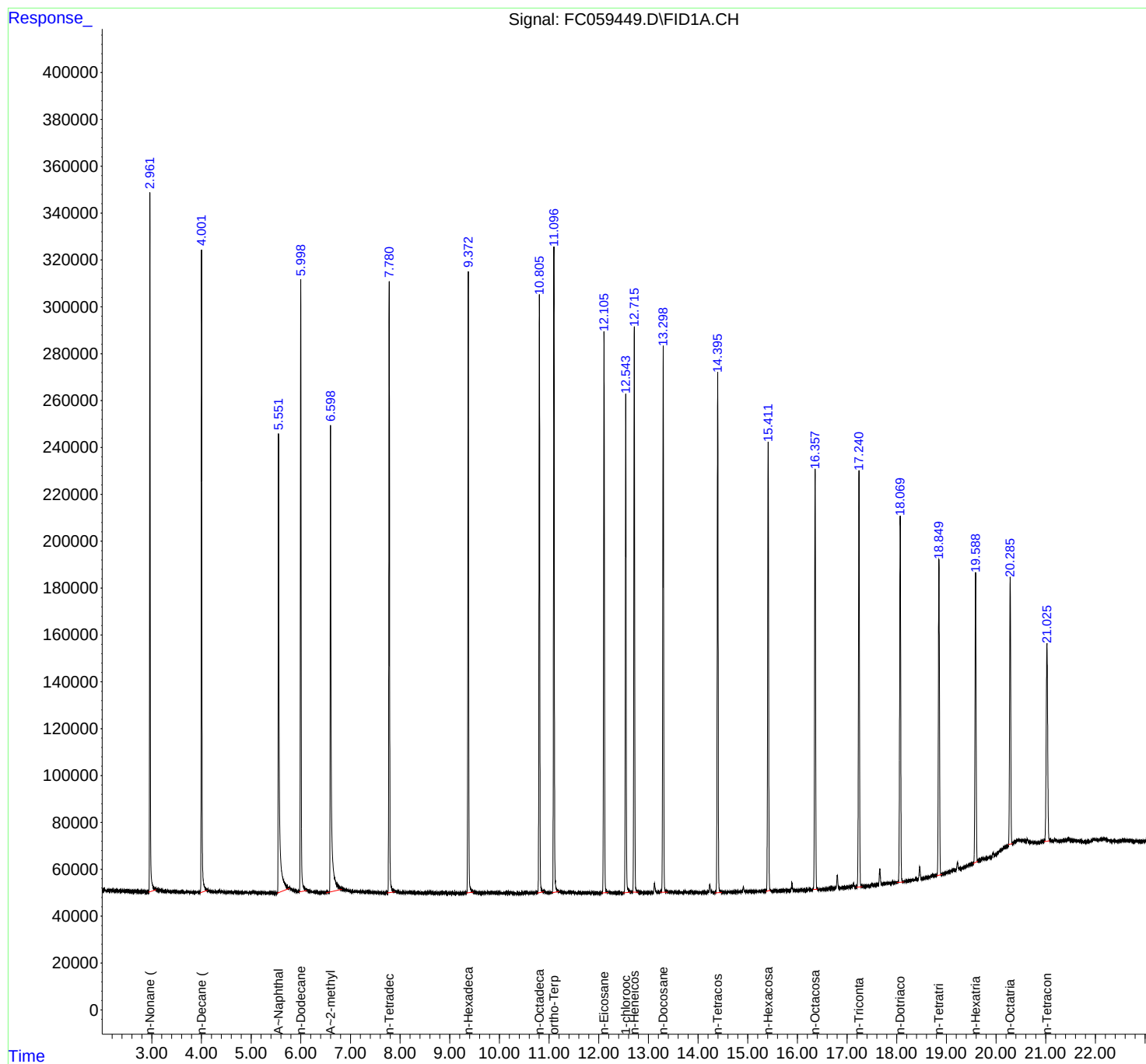
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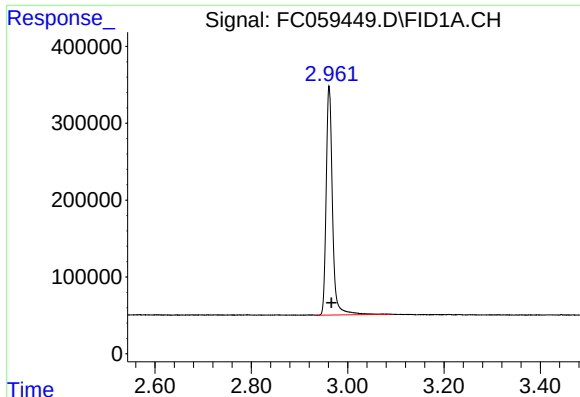
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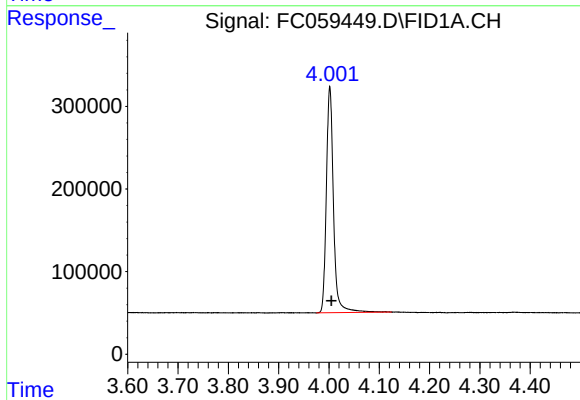
#1 n-Nonane (C9)

R.T.: 2.962 min
Delta R.T.: -0.004 min
Response: 2673286
Conc: 21.33 ug/ml

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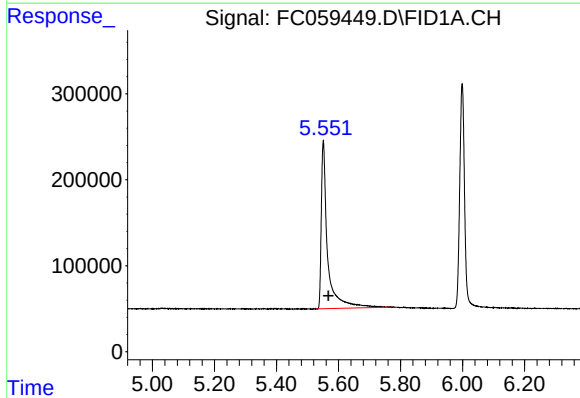
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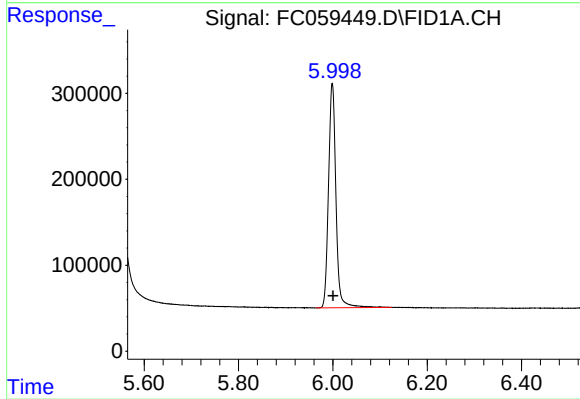
#2 n-Decane (C10)

R.T.: 4.002 min
Delta R.T.: -0.003 min
Response: 2698781
Conc: 21.60 ug/ml



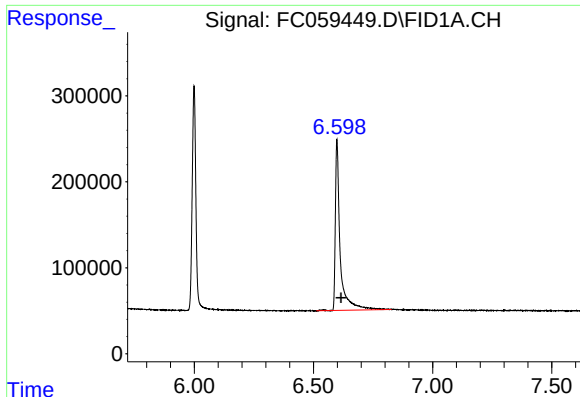
#3 A~Naphthalene (C11.7)

R.T.: 5.551 min
Delta R.T.: -0.016 min
Response: 2764629
Conc: 22.54 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.999 min
Delta R.T.: -0.002 min
Response: 2864644
Conc: 21.72 ug/ml



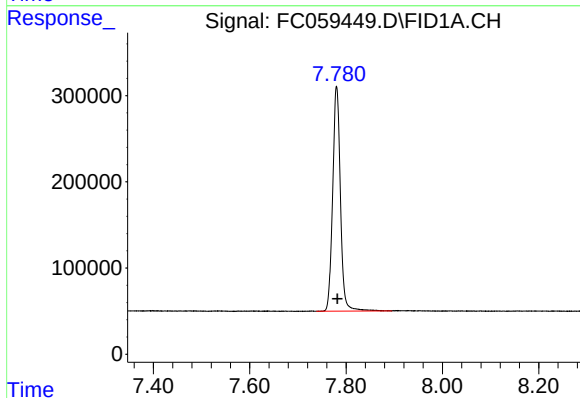
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.599 min
Delta R.T.: -0.017 min
Response: 2860303
Conc: 22.66 ug/ml

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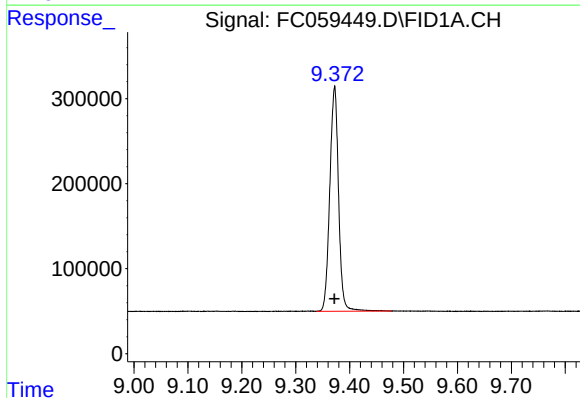
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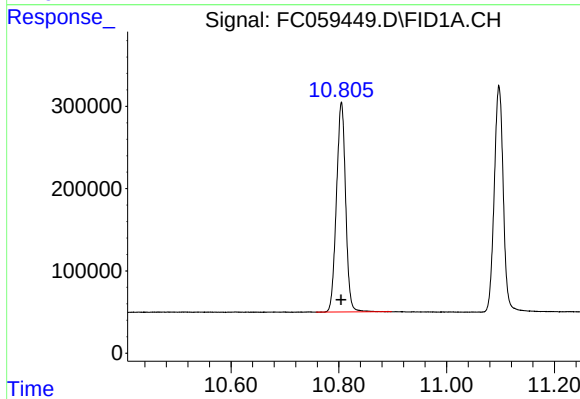
#6 n-Tetradecane (C14)

R.T.: 7.780 min
Delta R.T.: -0.001 min
Response: 2910307
Conc: 21.52 ug/ml



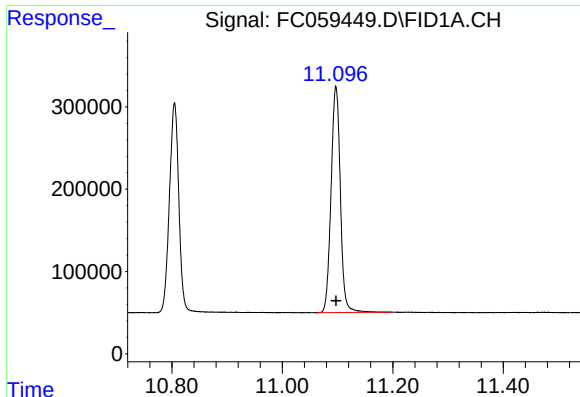
#7 n-Hexadecane (C16)

R.T.: 9.372 min
Delta R.T.: 0.000 min
Response: 2982682
Conc: 21.24 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.805 min
Delta R.T.: 0.000 min
Response: 3017418
Conc: 20.66 ug/ml



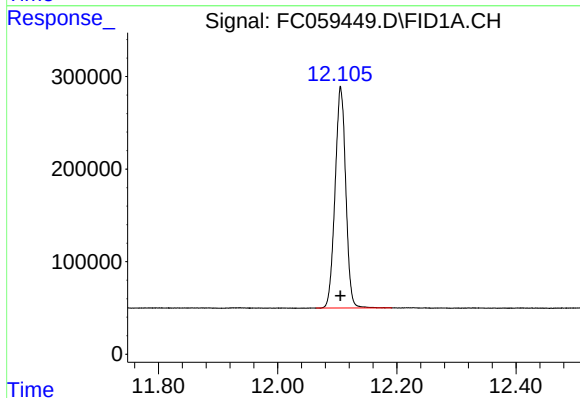
#9 ortho-Terphenyl (SURR)

R.T.: 11.097 min
Delta R.T.: 0.000 min
Response: 3207416
Conc: 19.96 ug/ml

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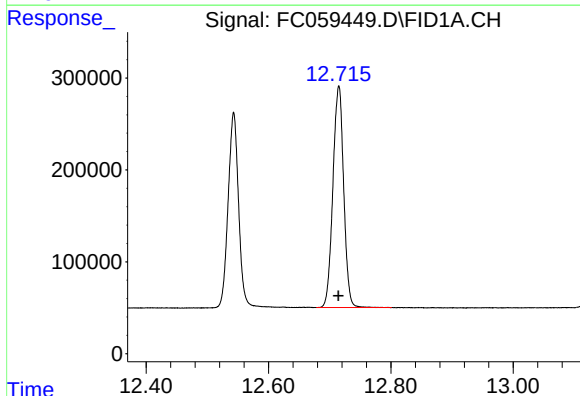
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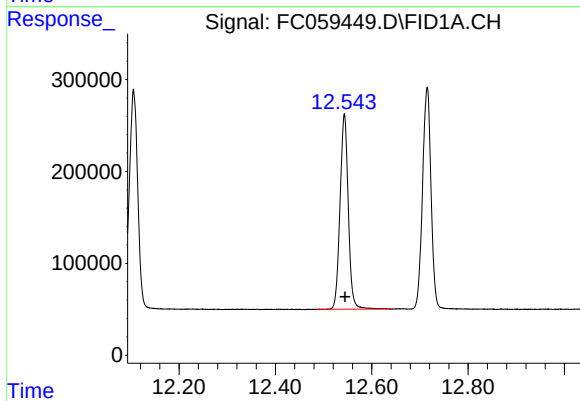
#10 n-Eicosane (C20)

R.T.: 12.106 min
Delta R.T.: 0.000 min
Response: 2969499
Conc: 19.80 ug/ml



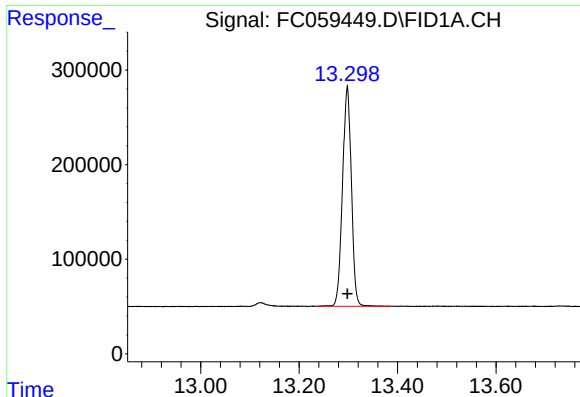
#11 n-Heneicosane (C21)

R.T.: 12.715 min
Delta R.T.: 0.000 min
Response: 2953503
Conc: 19.42 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.543 min
Delta R.T.: -0.001 min
Response: 2534023
Conc: 19.41 ug/ml



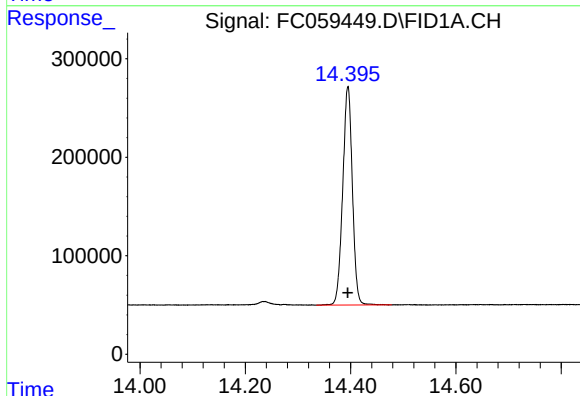
#13 n-Docosane (C22)

R.T.: 13.298 min
Delta R.T.: 0.000 min
Response: 2922488
Conc: 19.07 ug/ml

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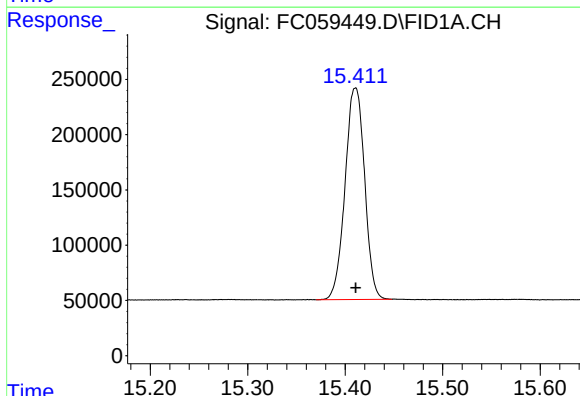
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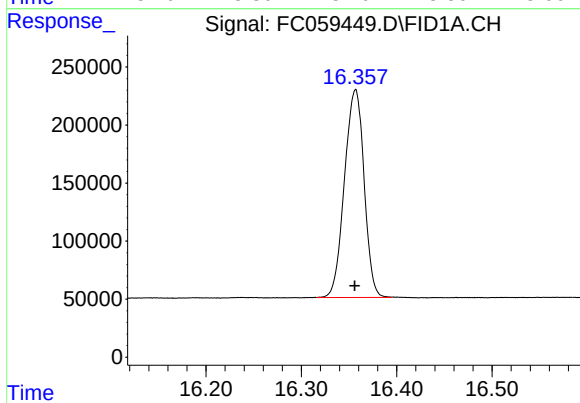
#14 n-Tetracosane (C24)

R.T.: 14.395 min
Delta R.T.: 0.000 min
Response: 2826583
Conc: 18.25 ug/ml



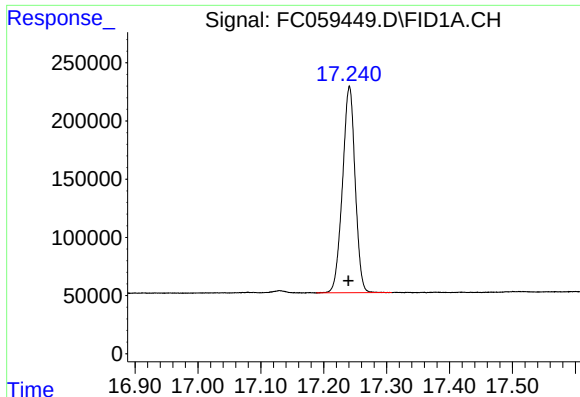
#15 n-Hexacosane (C26)

R.T.: 15.411 min
Delta R.T.: 0.000 min
Response: 2670396
Conc: 17.33 ug/ml m



#16 n-Octacosane (C28)

R.T.: 16.357 min
Delta R.T.: 0.000 min
Response: 2565557
Conc: 16.57 ug/ml m



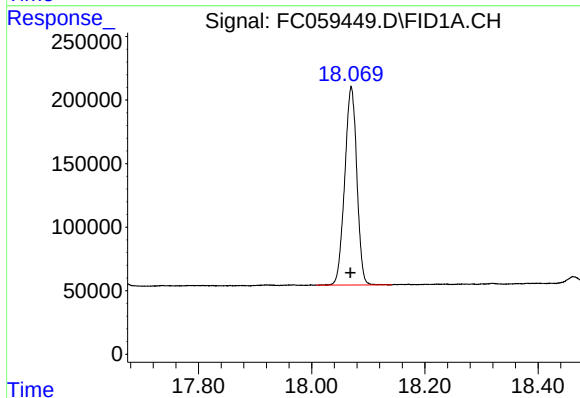
#17 n-Tricontane (C30)

R.T.: 17.241 min
Delta R.T.: 0.002 min
Response: 2480567
Conc: 16.33 ug/ml

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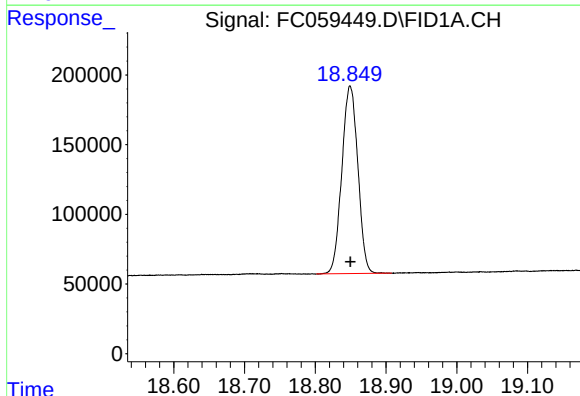
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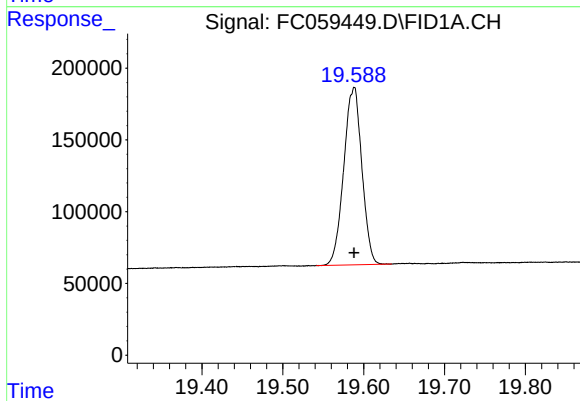
#18 n-Dotriacontane (C32)

R.T.: 18.070 min
Delta R.T.: 0.002 min
Response: 2314813
Conc: 16.43 ug/ml



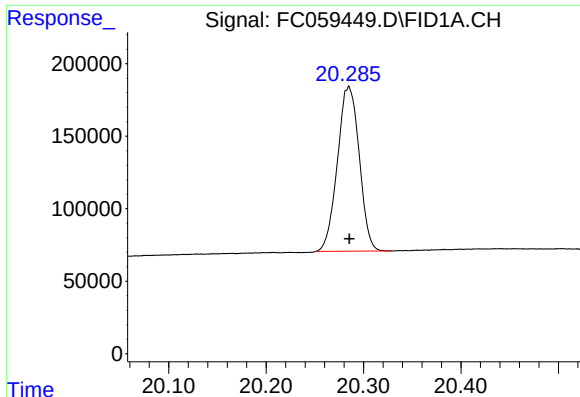
#19 n-Tetratriacontane (C34)

R.T.: 18.849 min
Delta R.T.: 0.000 min
Response: 2118833
Conc: 16.76 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.587 min
Delta R.T.: -0.001 min
Response: 1921070
Conc: 17.56 ug/ml



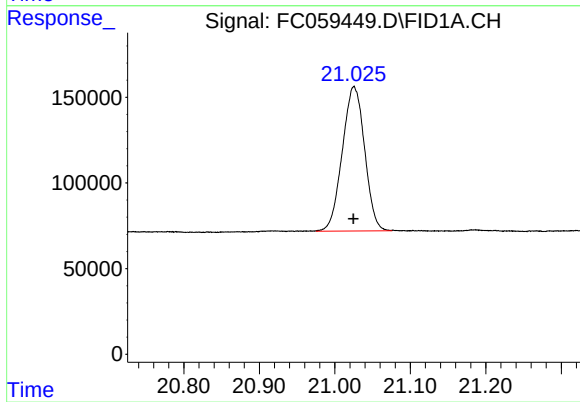
#21 n-Octatriacontane (C38)

R.T.: 20.285 min
Delta R.T.: 0.000 min
Response: 1763772
Conc: 18.94 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.025 min
Delta R.T.: 0.000 min
Response: 1732459
Conc: 20.74 ug/ml m