

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC042822AL\
 Data File : FC059534.D
 Signal(s) : FID1A.CH
 Acq On : 29 Apr 2022 6:58
 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 04/29/2022
 Supervised By :mohammad ahmed 04/29/2022

Integration File: sample.E
 Quant Time: Apr 29 07:20:45 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)	11.092	3419231	21.278 ug/ml
Spiked Amount 50.000		Recovery =	42.56%
12) S 1-chlorooctadecane (S...	12.538	2711637	20.766 ug/ml
Spiked Amount 50.000		Recovery =	41.53%
Target Compounds			
1) T n-Nonane (C9)	2.959	2793063	22.286 ug/ml
2) T n-Decane (C10)	3.998	2834217	22.686 ug/ml
3) T A~Naphthalene (C11.7)	5.548	2940803	23.974 ug/ml
4) T n-Dodecane (C12)	5.995	3013745	22.854 ug/ml
5) T A~2-methylnaphthalene...	6.595	3022902	23.952 ug/ml
6) T n-Tetradecane (C14)	7.776	3069542	22.693 ug/ml
7) T n-Hexadecane (C16)	9.366	3160875	22.506 ug/ml
8) T n-Octadecane (C18)	10.800	3200109	21.907 ug/ml
10) T n-Eicosane (C20)	12.101	3179408	21.200 ug/ml
11) T n-Heneicosane (C21)	12.710	3158121	20.762 ug/ml
13) T n-Docosane (C22)	13.293	3156634	20.602 ug/ml
14) T n-Tetracosane (C24)	14.390	3077930	19.878 ug/ml
15) T n-Hexacosane (C26)	15.406	2937489	19.060 ug/ml
16) T n-Octacosane (C28)	16.351	2872758	18.557 ug/ml
17) T n-Tricontane (C30)	17.234	2790809	18.374 ug/ml
18) T n-Dotriacontane (C32)	18.063	2603342	18.476 ug/ml
19) T n-Tetratriacontane (C34)	18.844	2337806	18.497 ug/ml
20) T n-Hexatriacontane (C36)	19.581	2071938	18.943 ug/ml
21) T n-Octatriacontane (C38)	20.276	1903490	20.439 ug/mlm
22) T n-Tetracontane (C40)	21.016	1830504	21.915 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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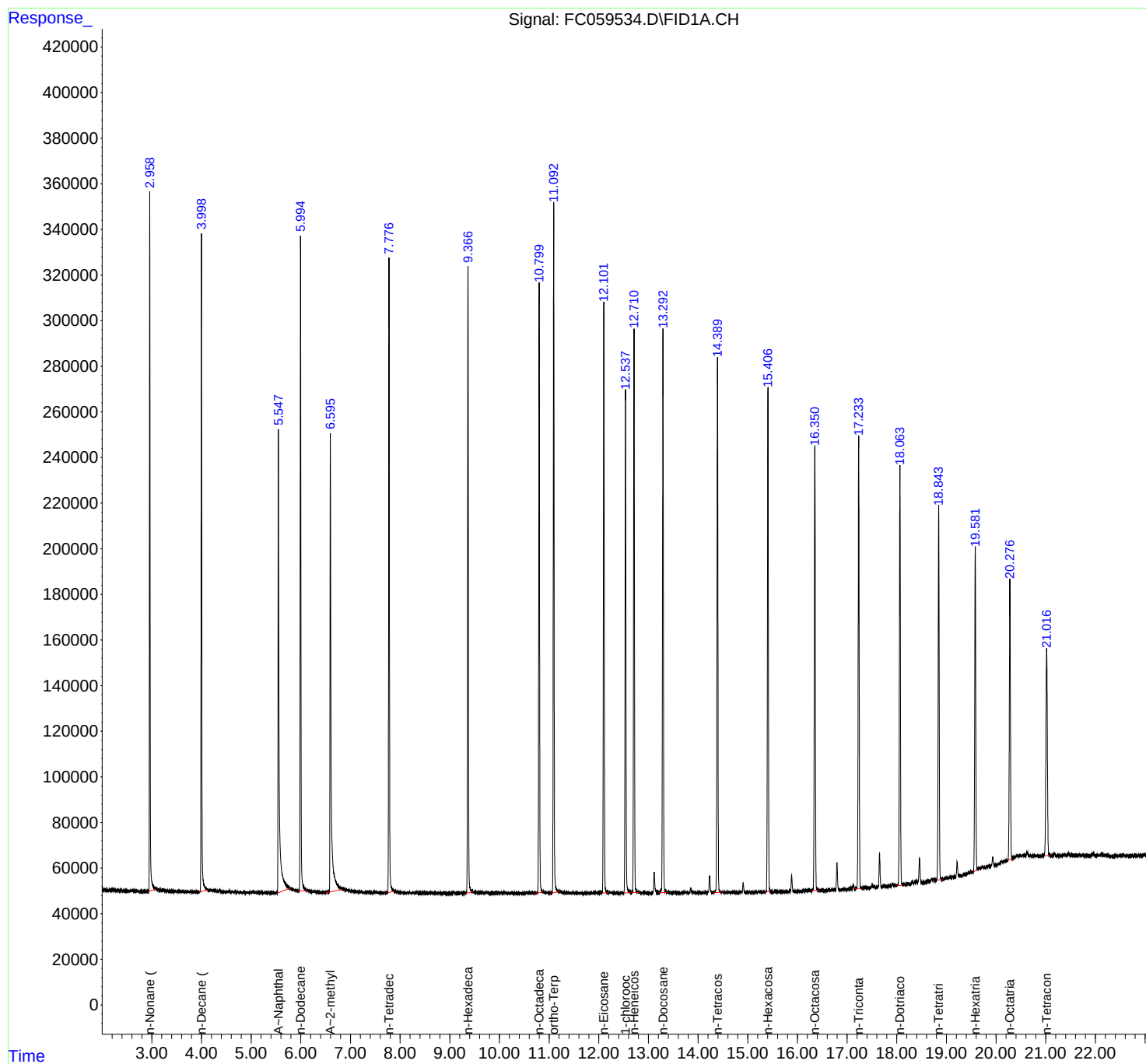
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20 PPM ALIPHATIC HC STD

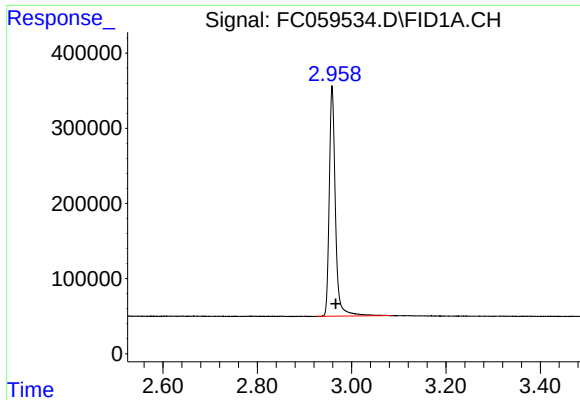
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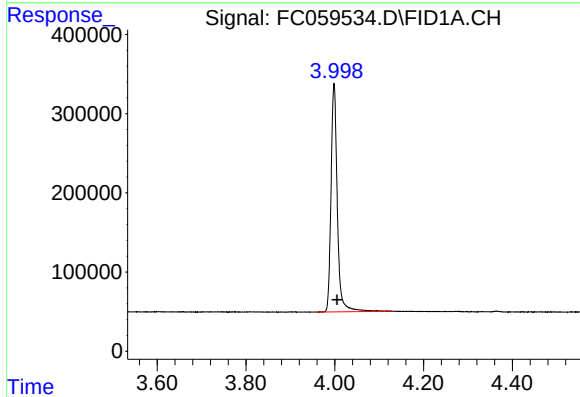
#1 n-Nonane (C9)

R.T.: 2.959 min
Delta R.T.: -0.007 min
Response: 2793063
Conc: 22.29 ug/ml

Instrument :
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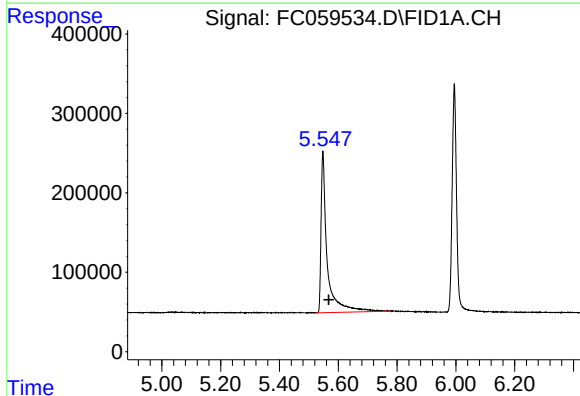
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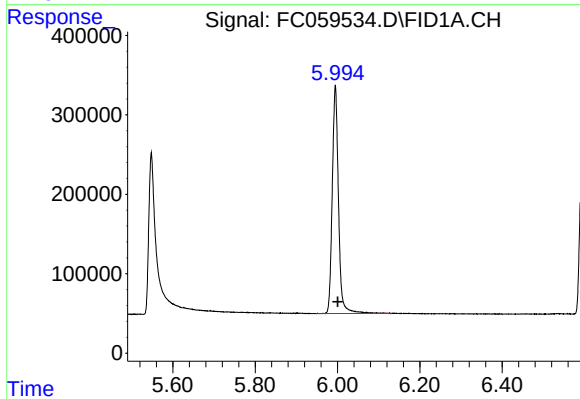
#2 n-Decane (C10)

R.T.: 3.998 min
Delta R.T.: -0.007 min
Response: 2834217
Conc: 22.69 ug/ml



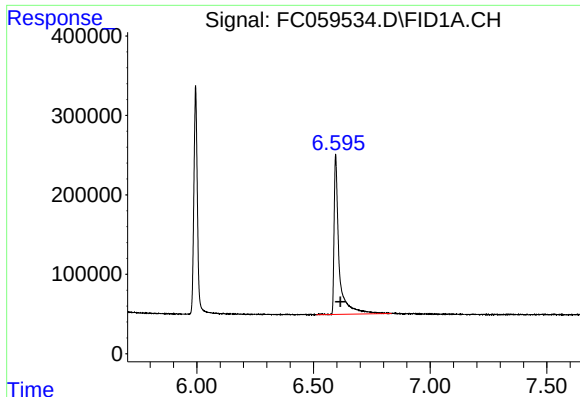
#3 A~Naphthalene (C11.7)

R.T.: 5.548 min
Delta R.T.: -0.019 min
Response: 2940803
Conc: 23.97 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.995 min
Delta R.T.: -0.006 min
Response: 3013745
Conc: 22.85 ug/ml



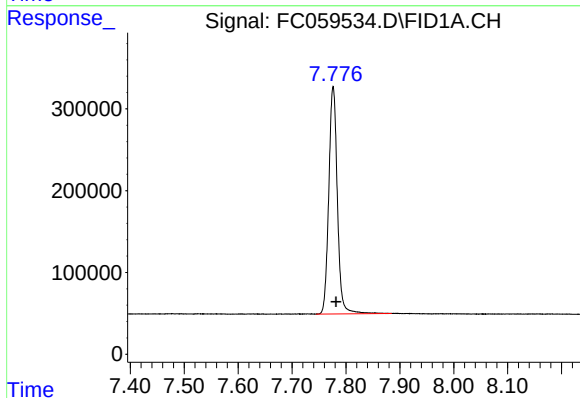
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.595 min
Delta R.T.: -0.020 min
Response: 3022902
Conc: 23.95 ug/ml

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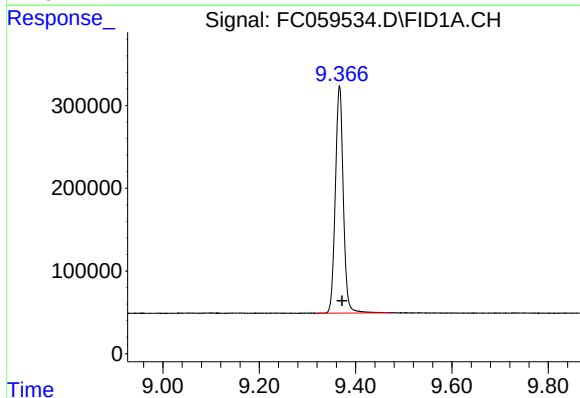
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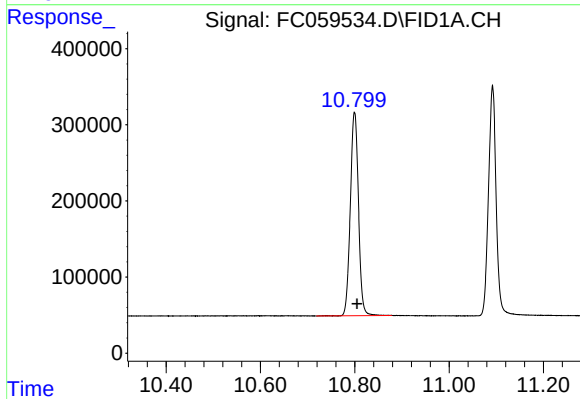
#6 n-Tetradecane (C14)

R.T.: 7.776 min
Delta R.T.: -0.005 min
Response: 3069542
Conc: 22.69 ug/ml



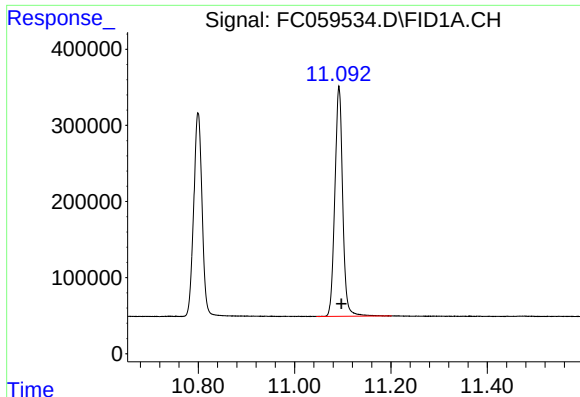
#7 n-Hexadecane (C16)

R.T.: 9.366 min
Delta R.T.: -0.006 min
Response: 3160875
Conc: 22.51 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.800 min
Delta R.T.: -0.005 min
Response: 3200109
Conc: 21.91 ug/ml



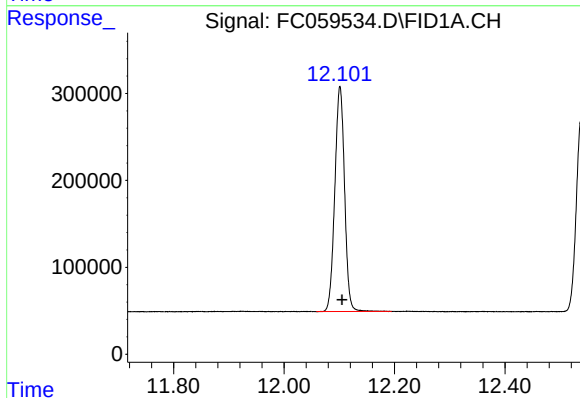
#9 ortho-Terphenyl (SURR)

R.T.: 11.092 min
Delta R.T.: -0.005 min
Response: 3419231
Conc: 21.28 ug/ml

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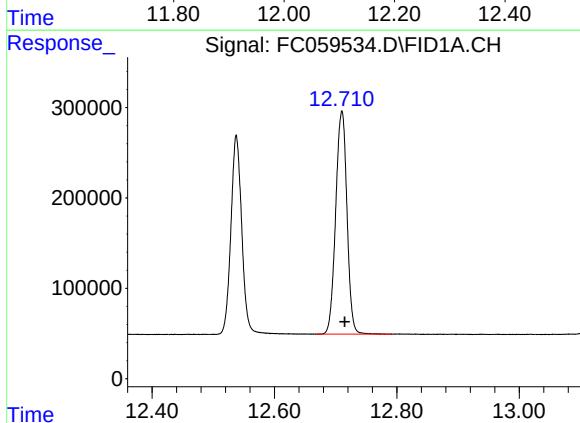
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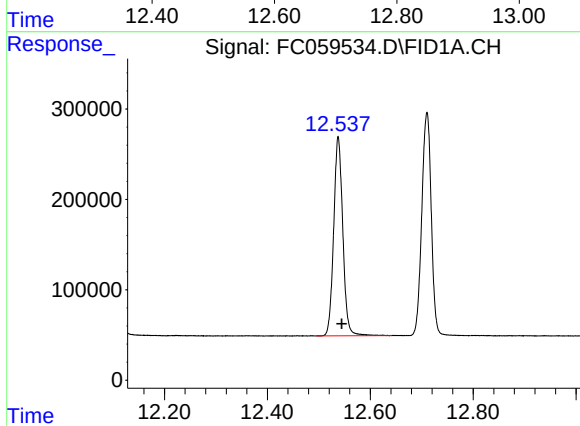
#10 n-Eicosane (C20)

R.T.: 12.101 min
Delta R.T.: -0.004 min
Response: 3179408
Conc: 21.20 ug/ml



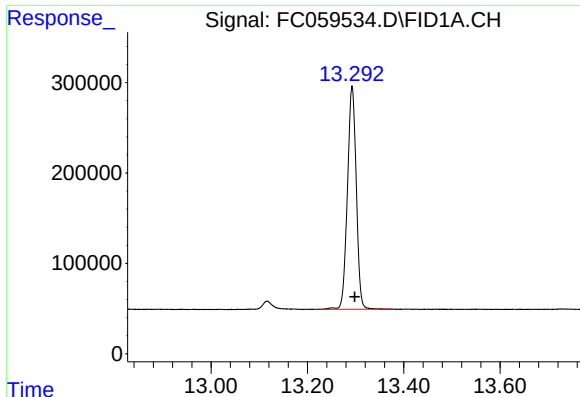
#11 n-Heneicosane (C21)

R.T.: 12.710 min
Delta R.T.: -0.005 min
Response: 3158121
Conc: 20.76 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.538 min
Delta R.T.: -0.007 min
Response: 2711637
Conc: 20.77 ug/ml



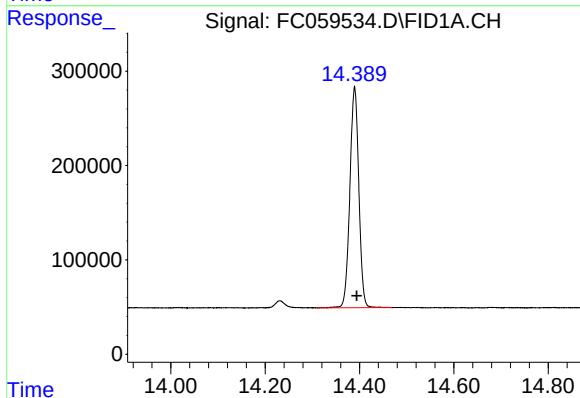
#13 n-Docosane (C22)

R.T.: 13.293 min
Delta R.T.: -0.005 min
Response: 3156634
Conc: 20.60 ug/ml

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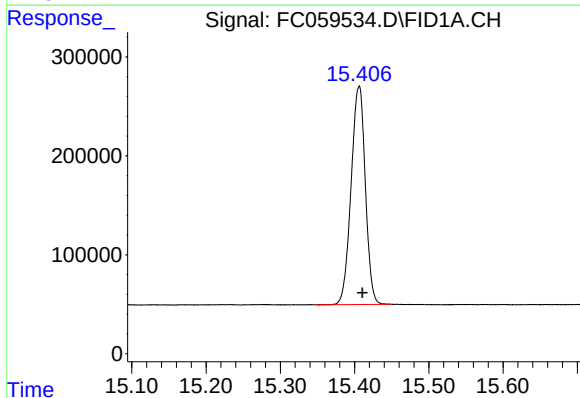
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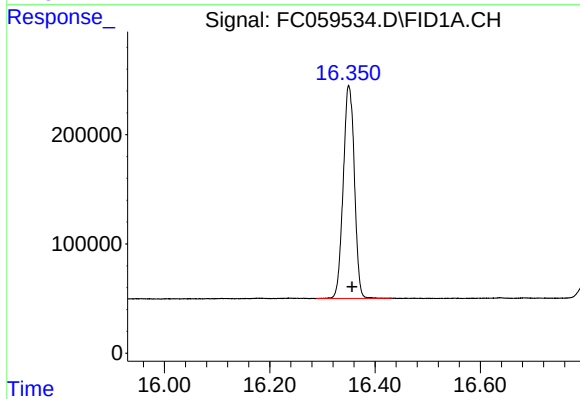
#14 n-Tetracosane (C24)

R.T.: 14.390 min
Delta R.T.: -0.005 min
Response: 3077930
Conc: 19.88 ug/ml



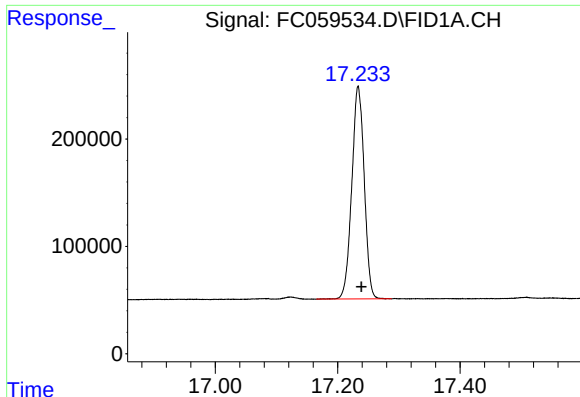
#15 n-Hexacosane (C26)

R.T.: 15.406 min
Delta R.T.: -0.005 min
Response: 2937489
Conc: 19.06 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.351 min
Delta R.T.: -0.006 min
Response: 2872758
Conc: 18.56 ug/ml



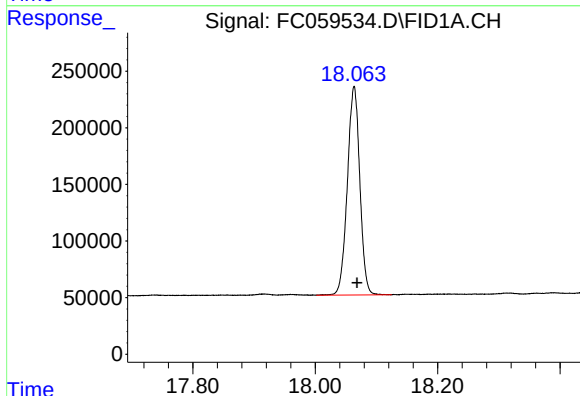
#17 n-Tricontane (C30)

R.T.: 17.234 min
Delta R.T.: -0.005 min
Response: 2790809
Conc: 18.37 ug/ml

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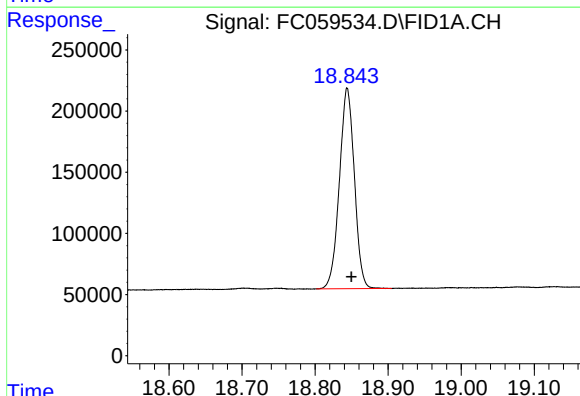
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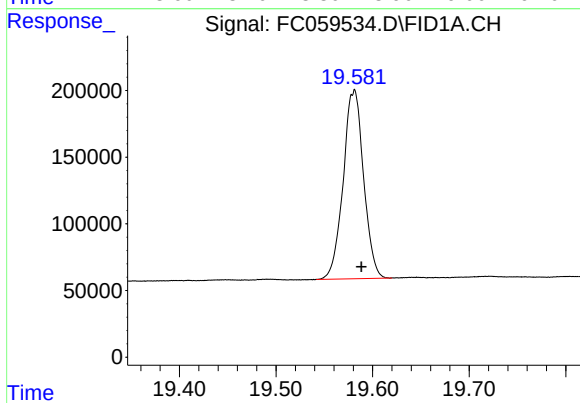
#18 n-Dotriacontane (C32)

R.T.: 18.063 min
Delta R.T.: -0.005 min
Response: 2603342
Conc: 18.48 ug/ml



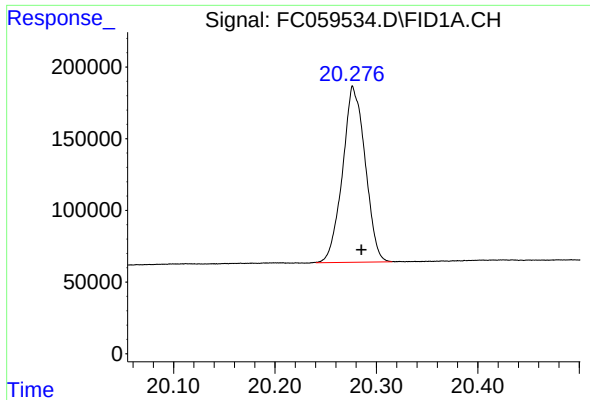
#19 n-Tetratriacontane (C34)

R.T.: 18.844 min
Delta R.T.: -0.005 min
Response: 2337806
Conc: 18.50 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.581 min
Delta R.T.: -0.008 min
Response: 2071938
Conc: 18.94 ug/ml



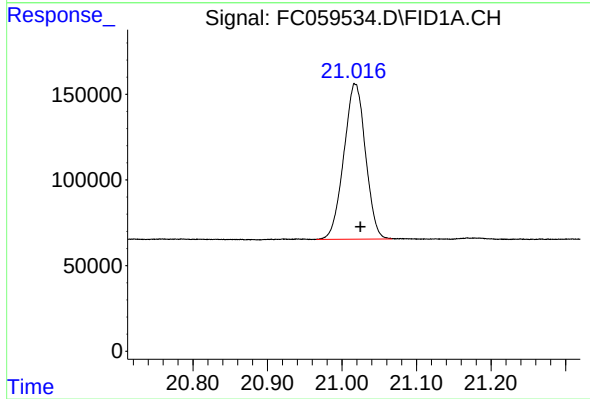
#21 n-Octatriacontane (C38)

R.T.: 20.276 min
Delta R.T.: -0.009 min
Response: 1903490
Conc: 20.44 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.016 min
Delta R.T.: -0.009 min
Response: 1830504
Conc: 21.91 ug/ml m