

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC042222AL\
 Data File : FC059373.D
 Signal(s) : FID1A.CH
 Acq On : 23 Apr 2022 00:25
 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 04/25/2022
 Supervised By :mohammad ahmed 04/25/2022

Integration File: sample.E
 Quant Time: Apr 23 02:01:25 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)	11.096	3094911	19.260 ug/ml
Spiked Amount 50.000		Recovery =	38.52%
12) S 1-chlorooctadecane (S...	12.542	2483365	19.017 ug/ml
Spiked Amount 50.000		Recovery =	38.03%
Target Compounds			
1) T n-Nonane (C9)	2.962	2422773	19.331 ug/ml
2) T n-Decane (C10)	4.002	2425201	19.412 ug/ml
3) T A~Naphthalene (C11.7)	5.553	2495648	20.345 ug/ml
4) T n-Dodecane (C12)	5.998	2568787	19.480 ug/ml
5) T A~2-methylnaphthalene...	6.601	2498183	19.795 ug/ml
6) T n-Tetradecane (C14)	7.779	2624035	19.399 ug/ml
7) T n-Hexadecane (C16)	9.370	2723350	19.391 ug/ml
8) T n-Octadecane (C18)	10.803	2809035	19.230 ug/ml
10) T n-Eicosane (C20)	12.104	2868600	19.128 ug/ml
11) T n-Heneicosane (C21)	12.713	2892865	19.018 ug/ml
13) T n-Docosane (C22)	13.296	2898620	18.918 ug/ml
14) T n-Tetracosane (C24)	14.393	2877473	18.583 ug/ml
15) T n-Hexacosane (C26)	15.409	2773546	17.996 ug/ml
16) T n-Octacosane (C28)	16.354	2678456	17.302 ug/ml
17) T n-Tricontane (C30)	17.237	2516153	16.566 ug/ml
18) T n-Dotriacontane (C32)	18.066	2267907	16.096 ug/ml
19) T n-Tetratriacontane (C34)	18.846	2015180	15.944 ug/ml
20) T n-Hexatriacontane (C36)	19.584	1785419	16.323 ug/ml
21) T n-Octatriacontane (C38)	20.282	1638828	17.597 ug/mlm
22) T n-Tetracontane (C40)	21.020	1604505	19.209 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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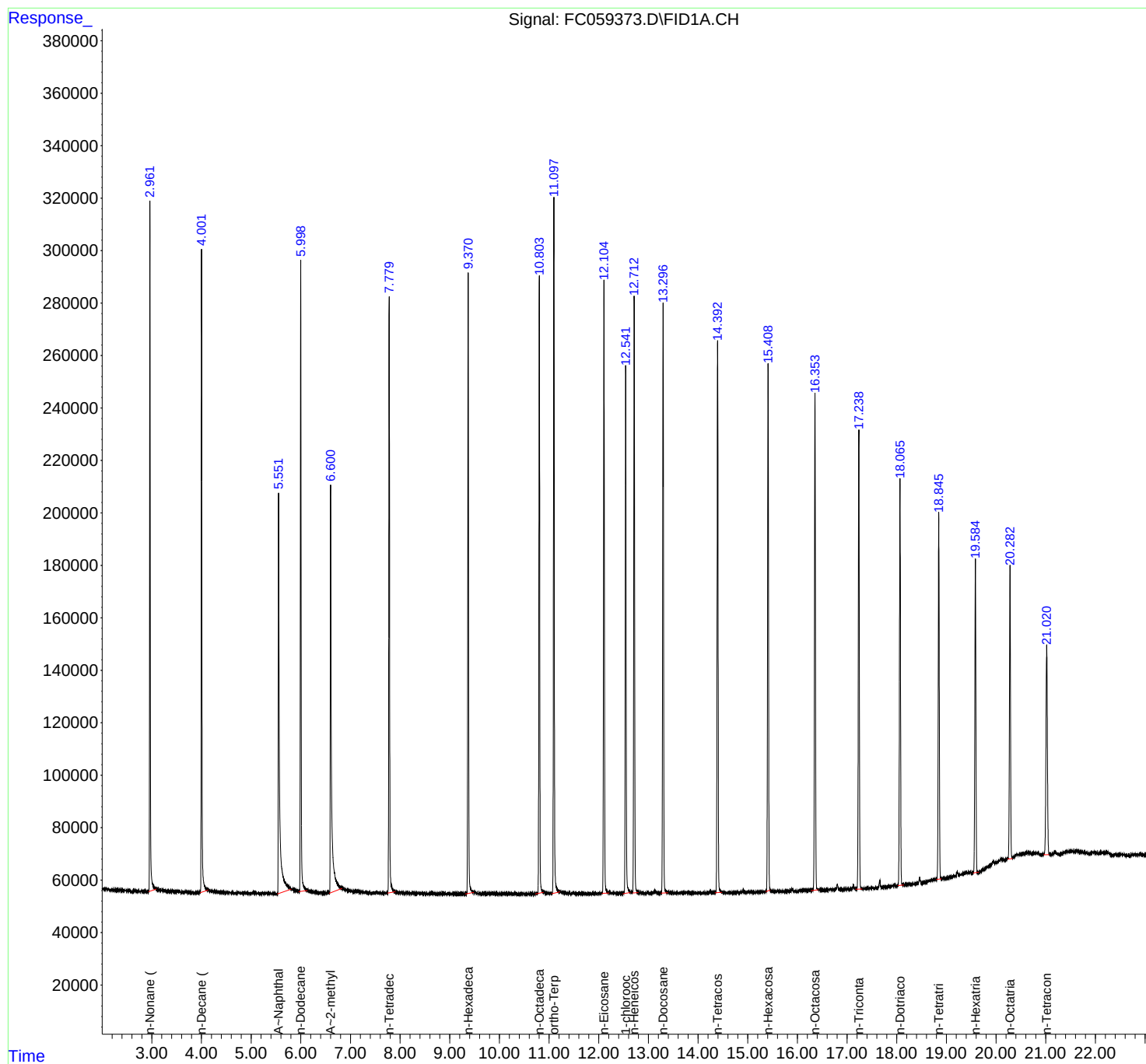
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20 PPM ALIPHATIC HC STD

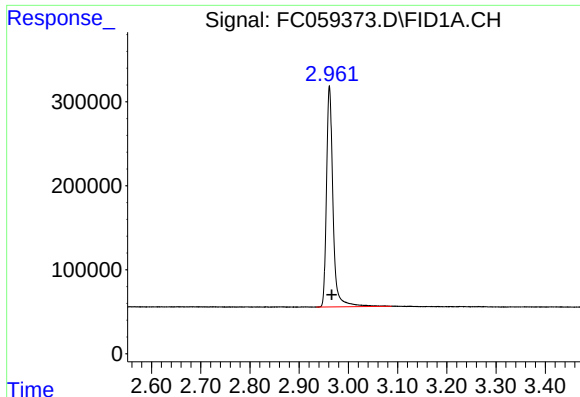
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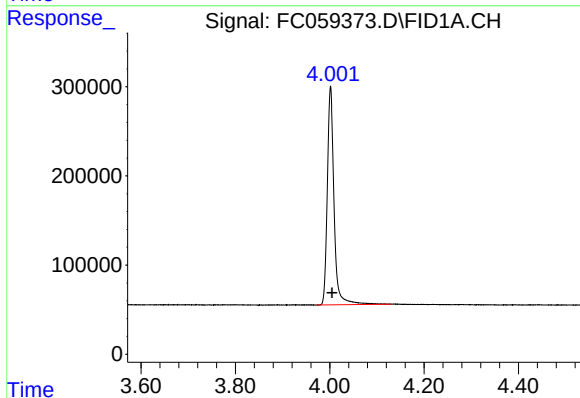
#1 n-Nonane (C9)

R.T.: 2.962 min
Delta R.T.: -0.004 min
Response: 2422773
Conc: 19.33 ug/ml

Instrument :
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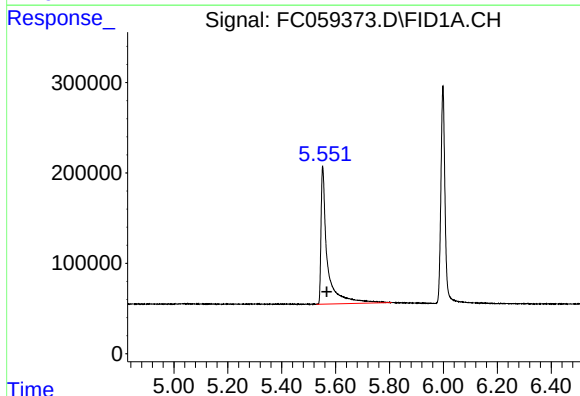
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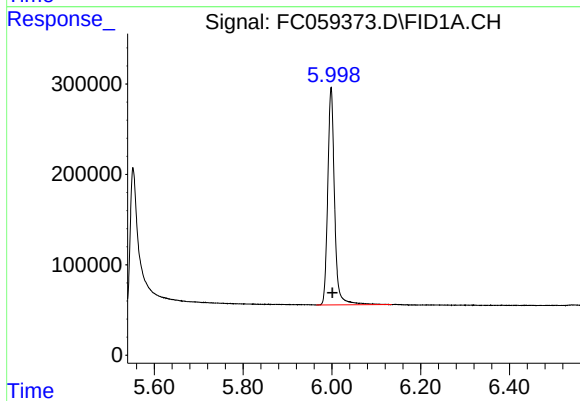
#2 n-Decane (C10)

R.T.: 4.002 min
Delta R.T.: -0.003 min
Response: 2425201
Conc: 19.41 ug/ml



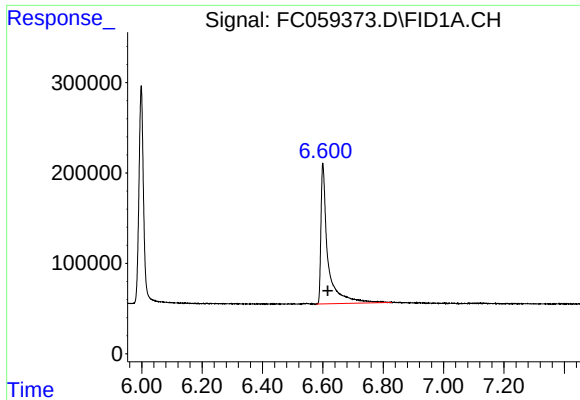
#3 A~Naphthalene (C11.7)

R.T.: 5.553 min
Delta R.T.: -0.014 min
Response: 2495648
Conc: 20.34 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.998 min
Delta R.T.: -0.003 min
Response: 2568787
Conc: 19.48 ug/ml



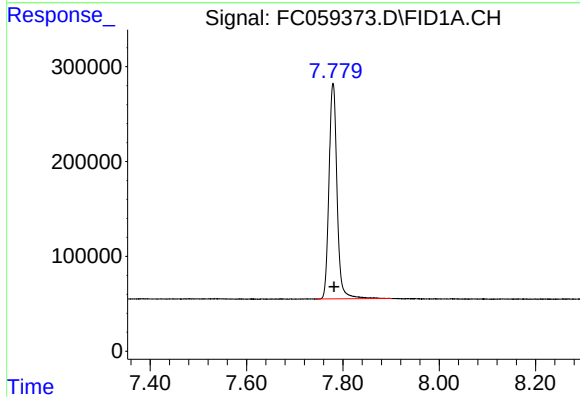
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.601 min
Delta R.T.: -0.015 min
Response: 2498183
Conc: 19.79 ug/ml

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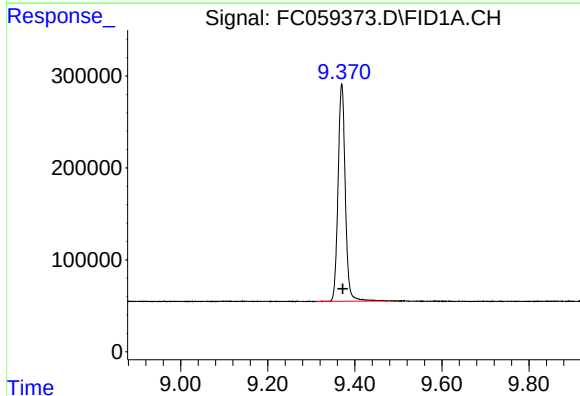
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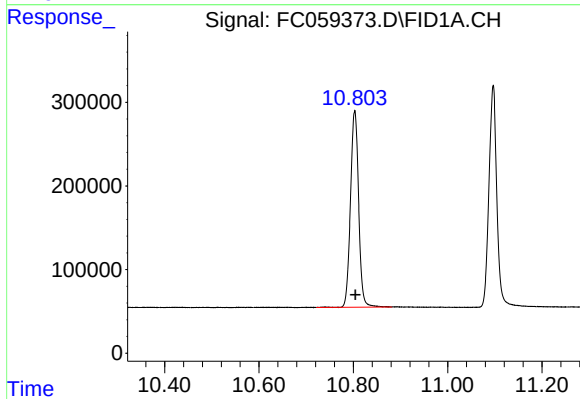
#6 n-Tetradecane (C14)

R.T.: 7.779 min
Delta R.T.: -0.002 min
Response: 2624035
Conc: 19.40 ug/ml



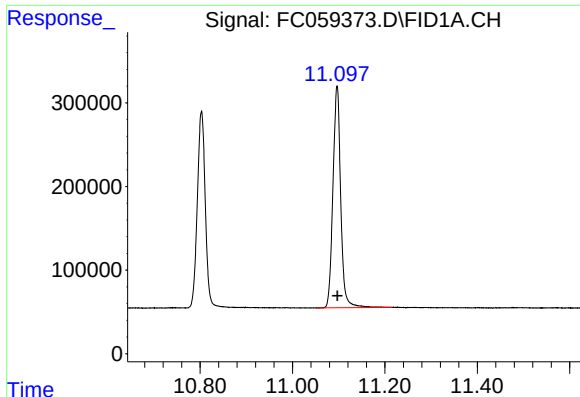
#7 n-Hexadecane (C16)

R.T.: 9.370 min
Delta R.T.: -0.002 min
Response: 2723350
Conc: 19.39 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.803 min
Delta R.T.: -0.001 min
Response: 2809035
Conc: 19.23 ug/ml



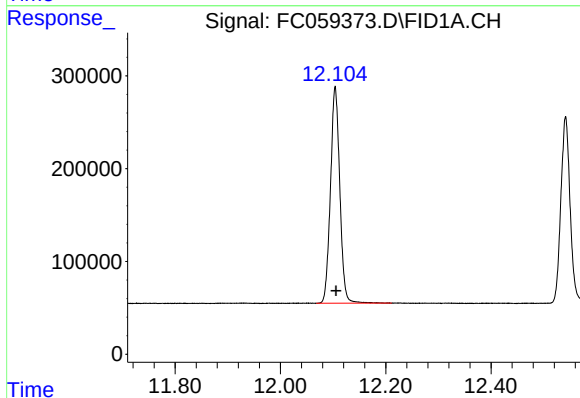
#9 ortho-Terphenyl (SURR)

R.T.: 11.096 min
Delta R.T.: 0.000 min
Response: 3094911
Conc: 19.26 ug/ml

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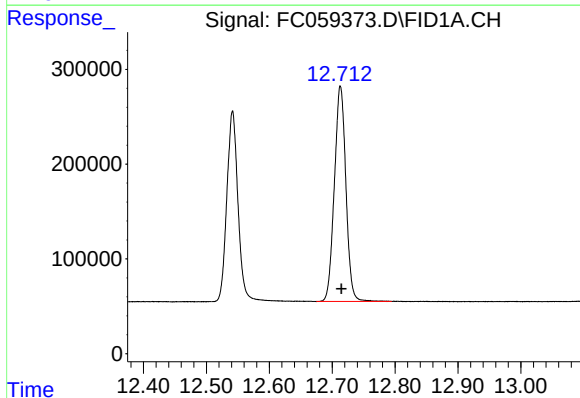
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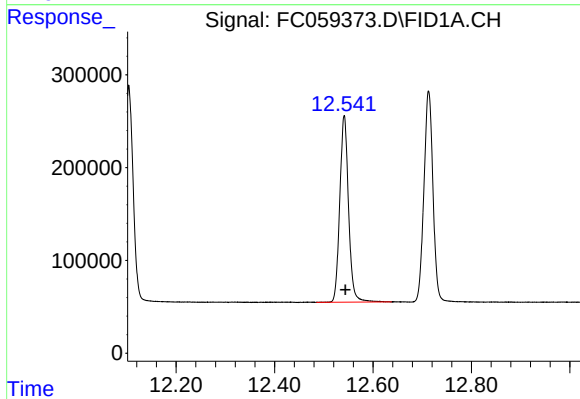
#10 n-Eicosane (C20)

R.T.: 12.104 min
Delta R.T.: -0.001 min
Response: 2868600
Conc: 19.13 ug/ml



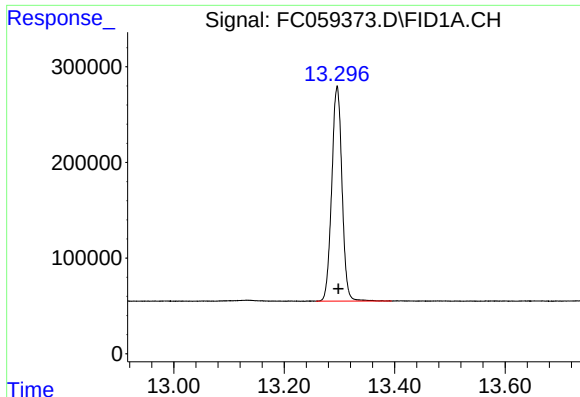
#11 n-Heneicosane (C21)

R.T.: 12.713 min
Delta R.T.: -0.001 min
Response: 2892865
Conc: 19.02 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.542 min
Delta R.T.: -0.003 min
Response: 2483365
Conc: 19.02 ug/ml



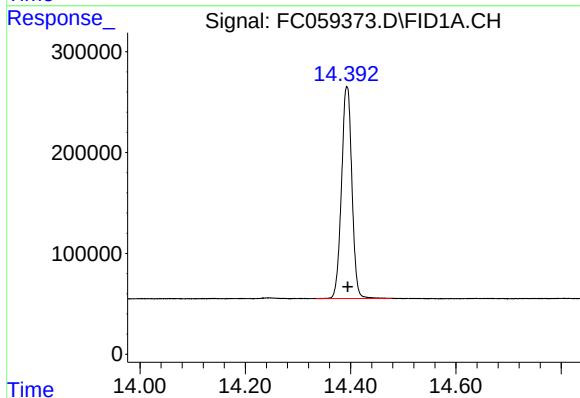
#13 n-Docosane (C22)

R.T.: 13.296 min
Delta R.T.: -0.002 min
Response: 2898620
Conc: 18.92 ug/ml

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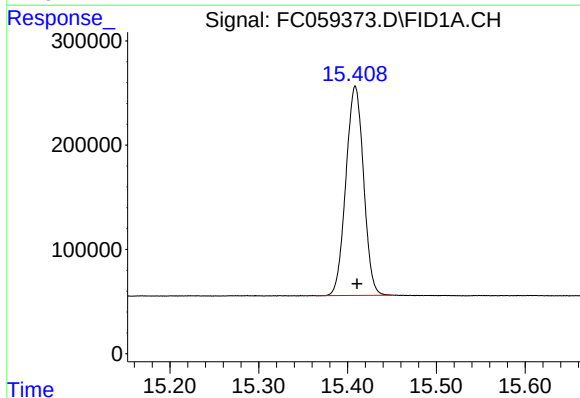
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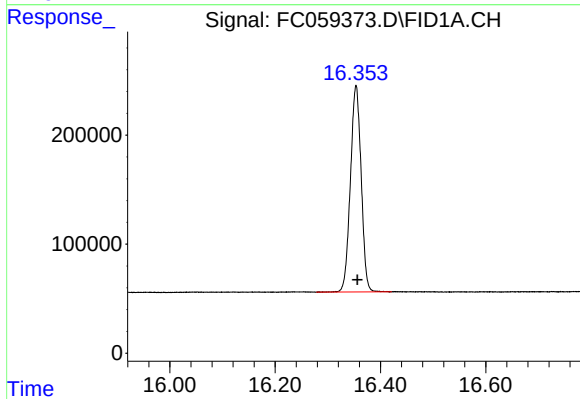
#14 n-Tetracosane (C24)

R.T.: 14.393 min
Delta R.T.: -0.001 min
Response: 2877473
Conc: 18.58 ug/ml



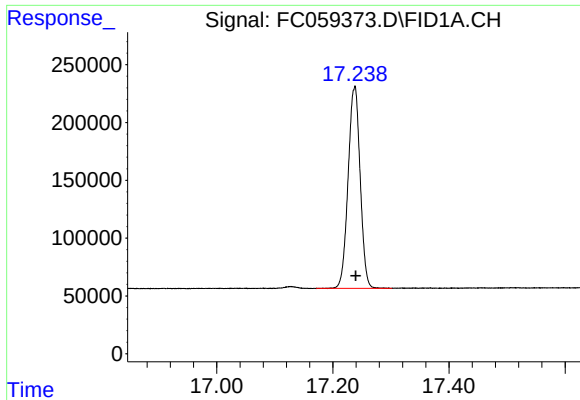
#15 n-Hexacosane (C26)

R.T.: 15.409 min
Delta R.T.: -0.002 min
Response: 2773546
Conc: 18.00 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.354 min
Delta R.T.: -0.003 min
Response: 2678456
Conc: 17.30 ug/ml



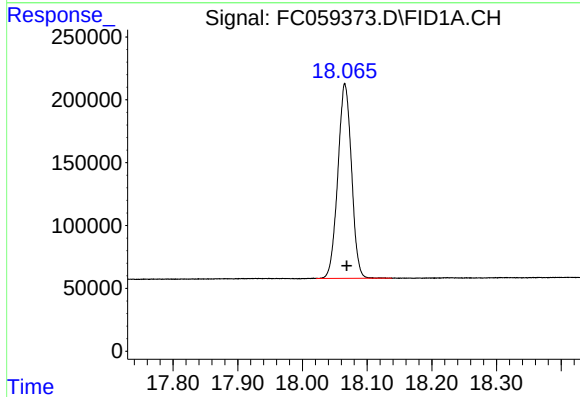
#17 n-Tricontane (C30)

R.T.: 17.237 min
Delta R.T.: -0.002 min
Response: 2516153
Conc: 16.57 ug/ml

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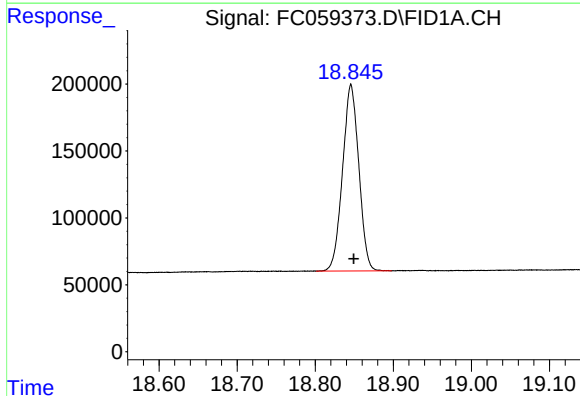
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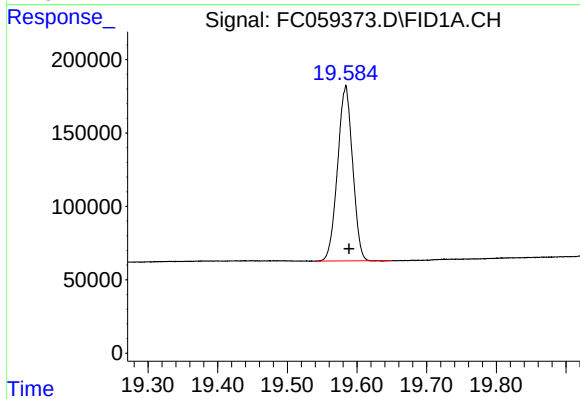
#18 n-Dotriacontane (C32)

R.T.: 18.066 min
Delta R.T.: -0.003 min
Response: 2267907
Conc: 16.10 ug/ml



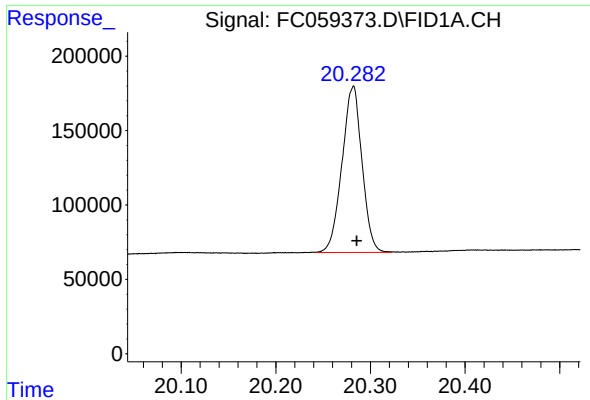
#19 n-Tetratriacontane (C34)

R.T.: 18.846 min
Delta R.T.: -0.004 min
Response: 2015180
Conc: 15.94 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.584 min
Delta R.T.: -0.005 min
Response: 1785419
Conc: 16.32 ug/ml



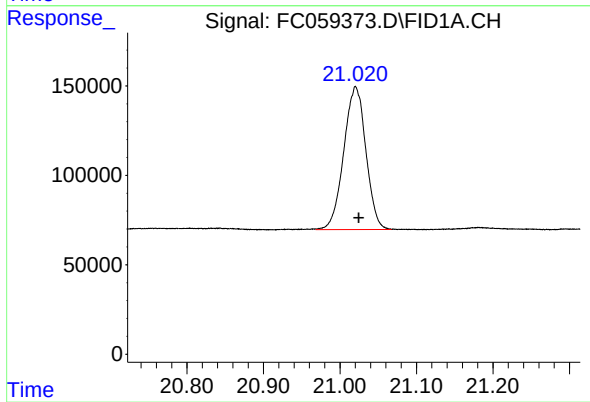
#21 n-Octatriacontane (C38)

R.T.: 20.282 min
Delta R.T.: -0.003 min
Response: 1638828
Conc: 17.60 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.020 min
Delta R.T.: -0.005 min
Response: 1604505
Conc: 19.21 ug/ml m