

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051722AL\
 Data File : FC059818.D
 Signal(s) : FID1A.CH
 Acq On : 18 May 2022 00:12
 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 05/18/2022
 Supervised By :mohammad ahmed 05/18/2022

Integration File: autoint1.e
 Quant Time: May 18 02:14:47 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)	10.649	2812053	19.150 ug/ml
Spiked Amount 50.000		Recovery =	38.30%
12) S 1-chlorooctadecane (S...	12.019	2197151	19.092 ug/ml
Spiked Amount 50.000		Recovery =	38.18%
Target Compounds			
1) T n-Nonane (C9)	2.626	2519809	19.732 ug/ml
2) T n-Decane (C10)	3.626	2625330	20.730 ug/ml
3) T A~Naphthalene (C11.7)	5.162	2963911	20.129 ug/ml
4) T n-Dodecane (C12)	5.579	2724096	20.714 ug/ml
5) T A~2-methylnaphthalene...	6.186	3008542	20.014 ug/ml
6) T n-Tetradecane (C14)	7.331	2748165	20.424 ug/ml
7) T n-Hexadecane (C16)	8.895	2756655	20.090 ug/ml
8) T n-Octadecane (C18)	10.304	2715747	19.707 ug/ml
10) T n-Eicosane (C20)	11.584	2600114	19.332 ug/ml
11) T n-Heneicosane (C21)	12.182	2554050	19.145 ug/ml
13) T n-Docosane (C22)	12.755	2547842	19.413 ug/ml
14) T n-Tetracosane (C24)	13.832	2518646	20.018 ug/ml
15) T n-Hexacosane (C26)	14.830	2389033	20.004 ug/ml
16) T n-Octacosane (C28)	15.758	2441720	21.448 ug/ml
17) T n-Tricontane (C30)	16.626	2601969	23.671 ug/ml
18) T n-Dotriacontane (C32)	17.440	2561849	24.780 ug/mlm
19) T n-Tetratriacontane (C34)	18.205	2327767	23.842 ug/mlm
20) T n-Hexatriacontane (C36)	18.927	2103760	22.662 ug/mlm
21) T n-Octatriacontane (C38)	19.610	2009256	21.107 ug/mlm
22) T n-Tetracontane (C40)	20.255	1962827	20.735 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

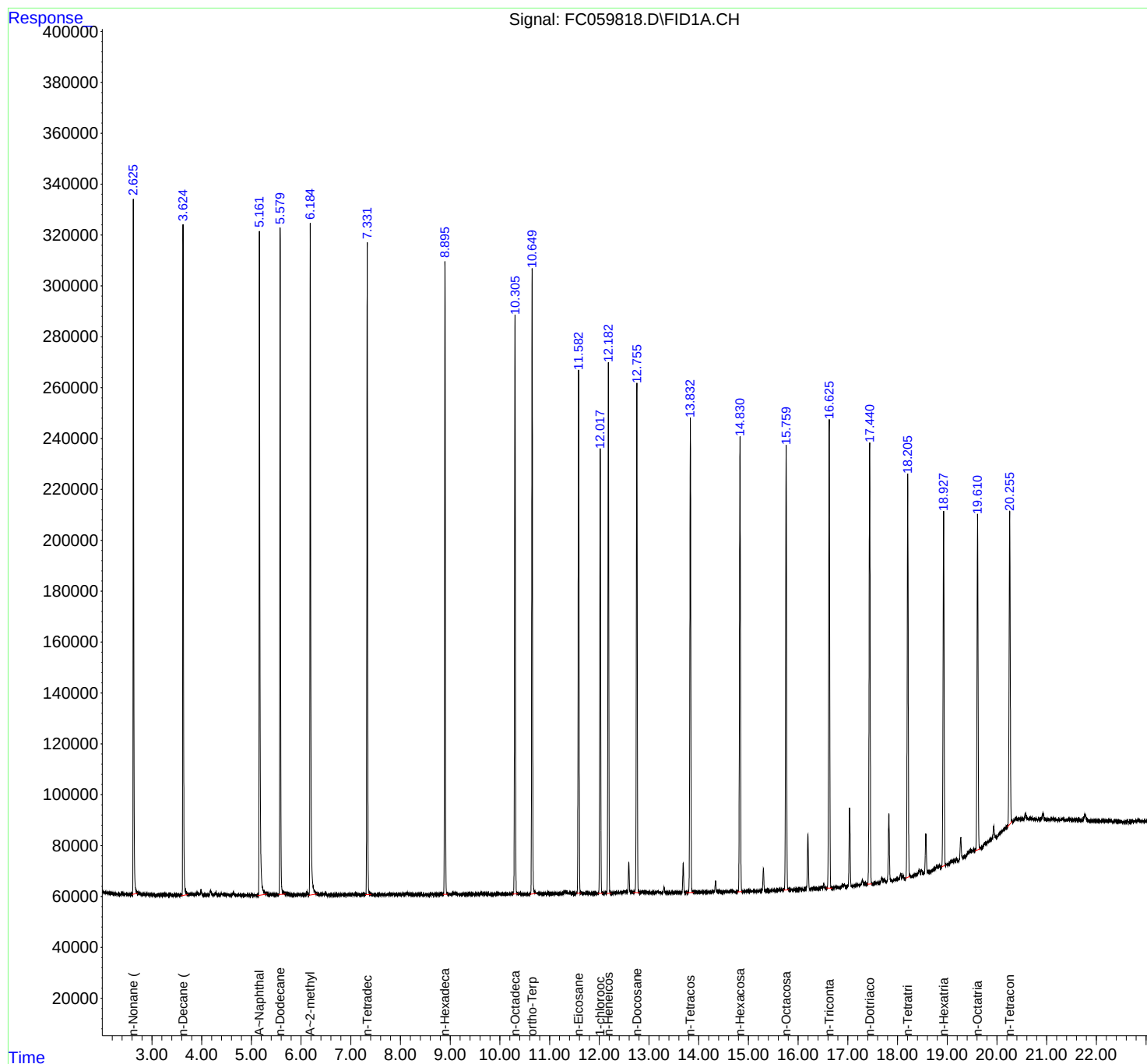
Instrument :
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20 PPM ALIPHATIC HC STD

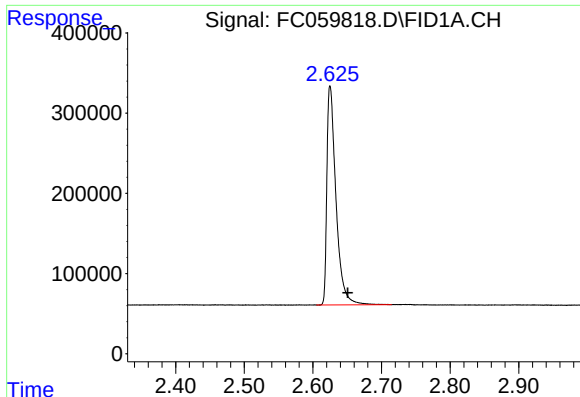
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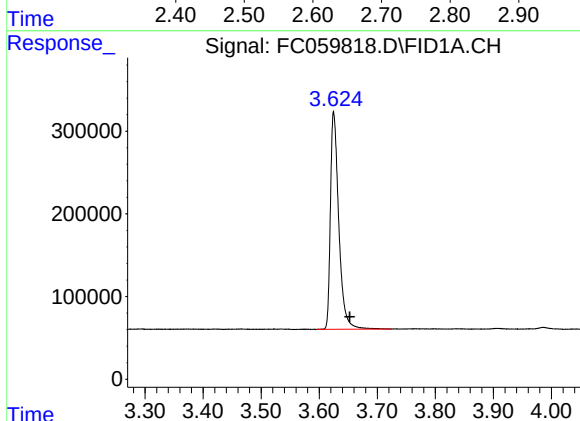
#1 n-Nonane (C9)

R.T.: 2.626 min
Delta R.T.: -0.025 min
Response: 2519809
Conc: 19.73 ug/ml

Instrument :
FID_C
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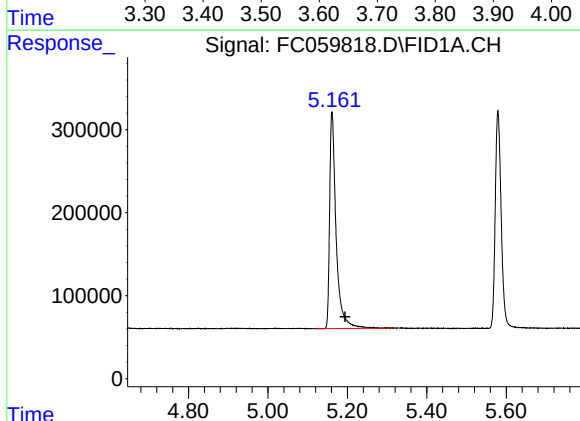
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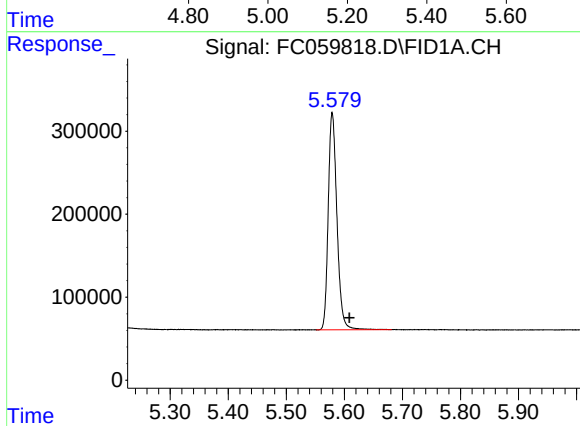
#2 n-Decane (C10)

R.T.: 3.626 min
Delta R.T.: -0.027 min
Response: 2625330
Conc: 20.73 ug/ml



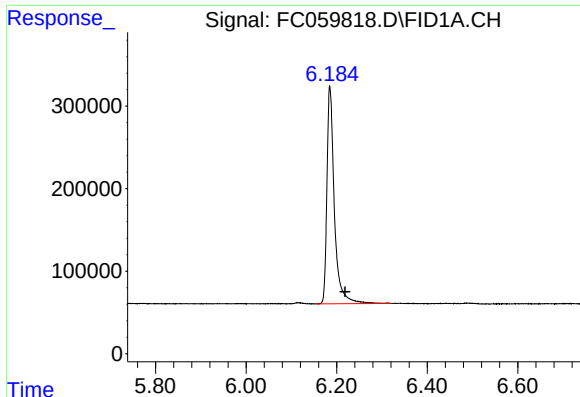
#3 A~Naphthalene (C11.7)

R.T.: 5.162 min
Delta R.T.: -0.033 min
Response: 2963911
Conc: 20.13 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.579 min
Delta R.T.: -0.029 min
Response: 2724096
Conc: 20.71 ug/ml



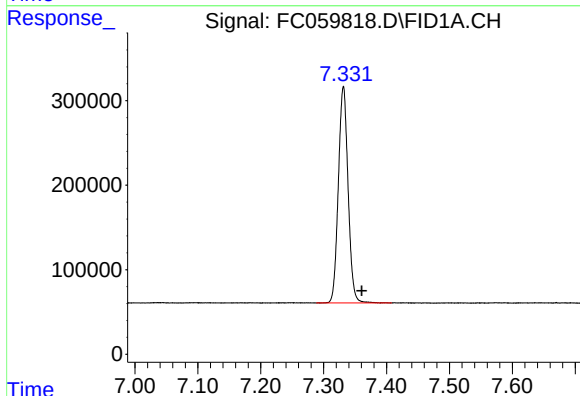
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.186 min
Delta R.T.: -0.034 min
Response: 3008542
Conc: 20.01 ug/ml

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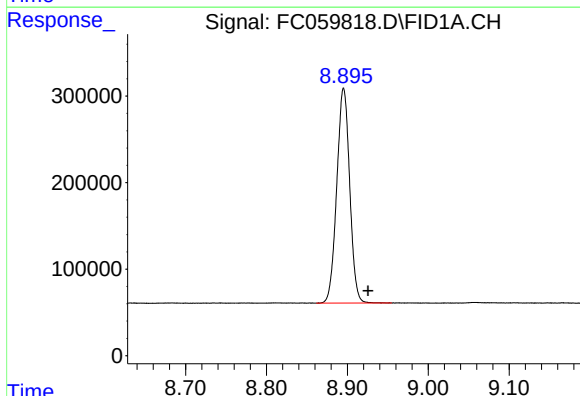
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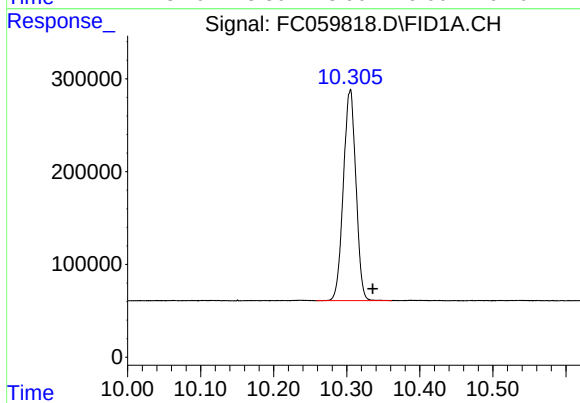
#6 n-Tetradecane (C14)

R.T.: 7.331 min
Delta R.T.: -0.030 min
Response: 2748165
Conc: 20.42 ug/ml



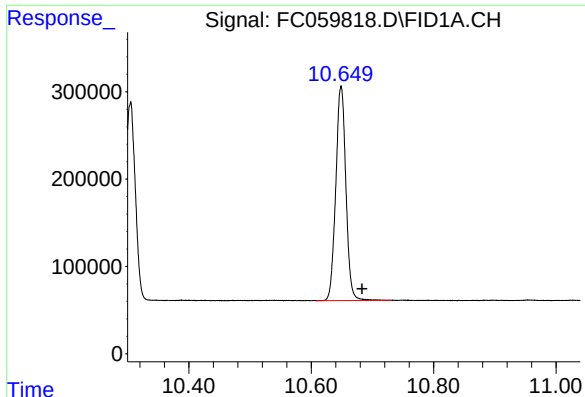
#7 n-Hexadecane (C16)

R.T.: 8.895 min
Delta R.T.: -0.030 min
Response: 2756655
Conc: 20.09 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.304 min
Delta R.T.: -0.031 min
Response: 2715747
Conc: 19.71 ug/ml



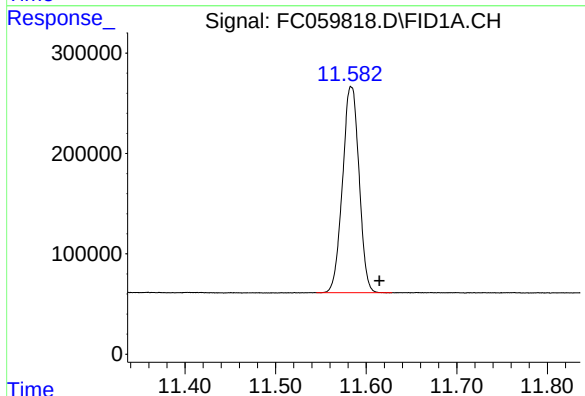
#9 ortho-Terphenyl (SURR)

R.T.: 10.649 min
Delta R.T.: -0.035 min
Response: 2812053
Conc: 19.15 ug/ml

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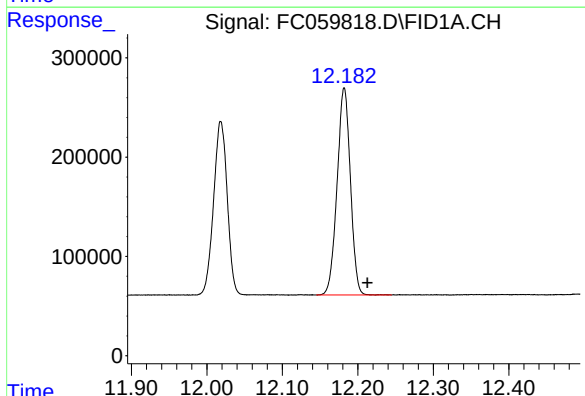
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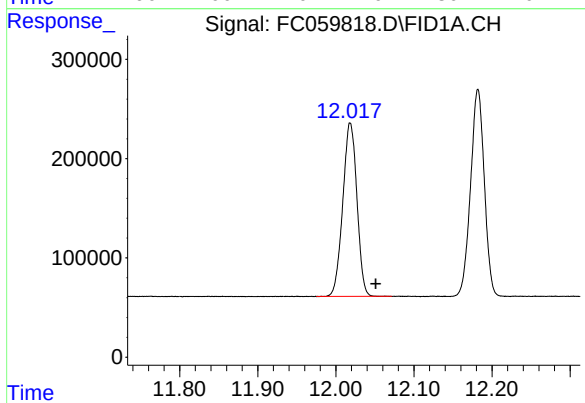
#10 n-Eicosane (C20)

R.T.: 11.584 min
Delta R.T.: -0.031 min
Response: 2600114
Conc: 19.33 ug/ml



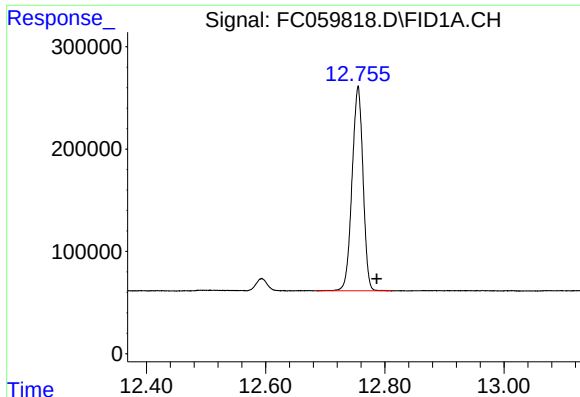
#11 n-Heneicosane (C21)

R.T.: 12.182 min
Delta R.T.: -0.031 min
Response: 2554050
Conc: 19.15 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.019 min
Delta R.T.: -0.033 min
Response: 2197151
Conc: 19.09 ug/ml



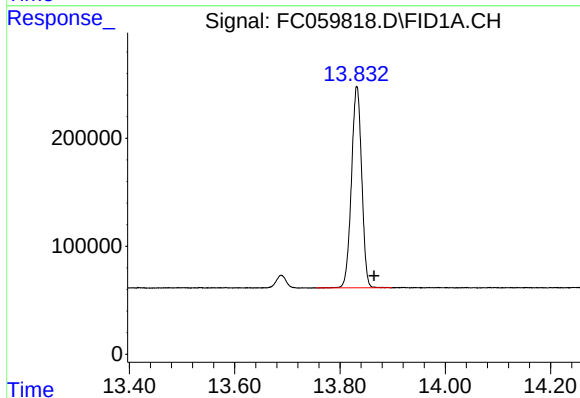
#13 n-Docosane (C22)

R.T.: 12.755 min
Delta R.T.: -0.031 min
Response: 2547842
Conc: 19.41 ug/ml

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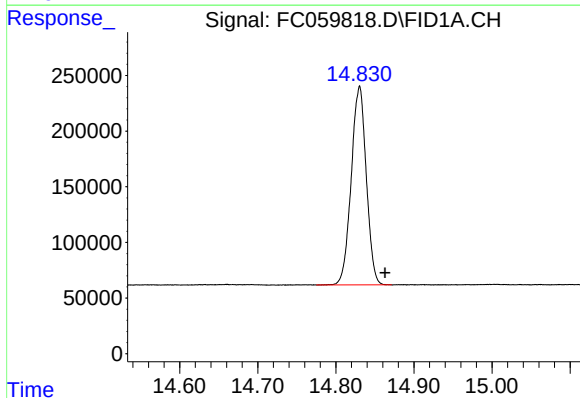
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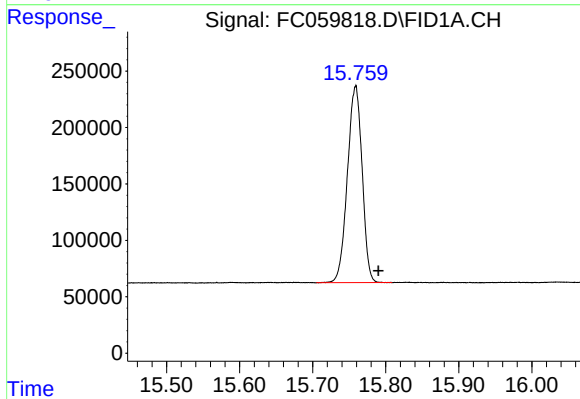
#14 n-Tetracosane (C24)

R.T.: 13.832 min
Delta R.T.: -0.033 min
Response: 2518646
Conc: 20.02 ug/ml



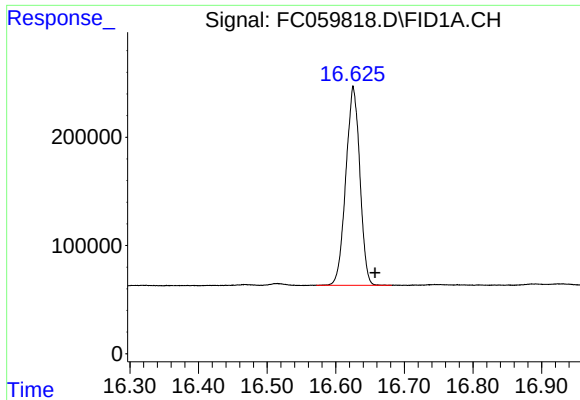
#15 n-Hexacosane (C26)

R.T.: 14.830 min
Delta R.T.: -0.033 min
Response: 2389033
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.758 min
Delta R.T.: -0.032 min
Response: 2441720
Conc: 21.45 ug/ml



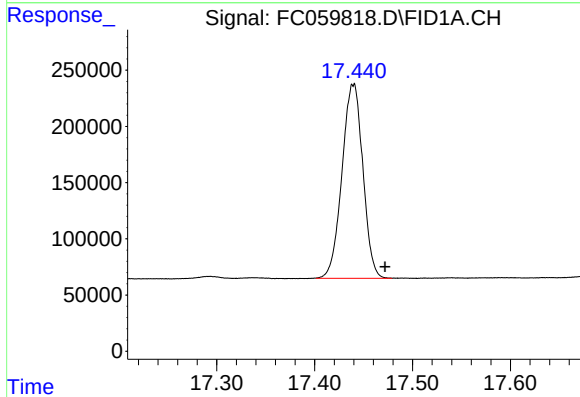
#17 n-Tricontane (C30)

R.T.: 16.626 min
Delta R.T.: -0.032 min
Response: 2601969
Conc: 23.67 ug/ml

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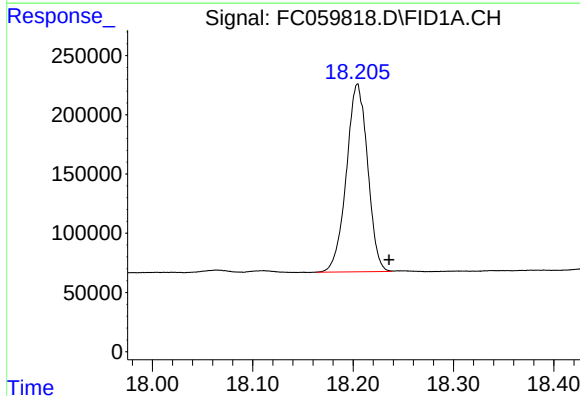
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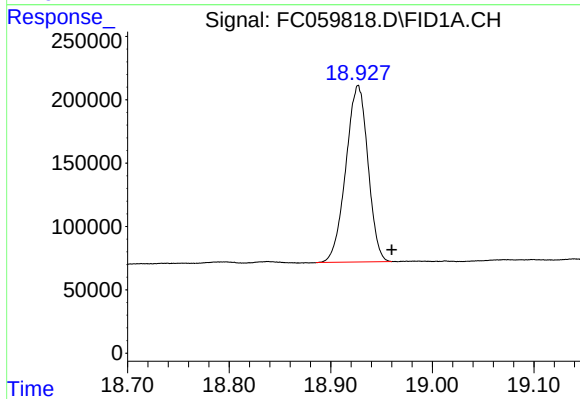
#18 n-Dotriacontane (C32)

R.T.: 17.440 min
Delta R.T.: -0.032 min
Response: 2561849
Conc: 24.78 ug/ml m



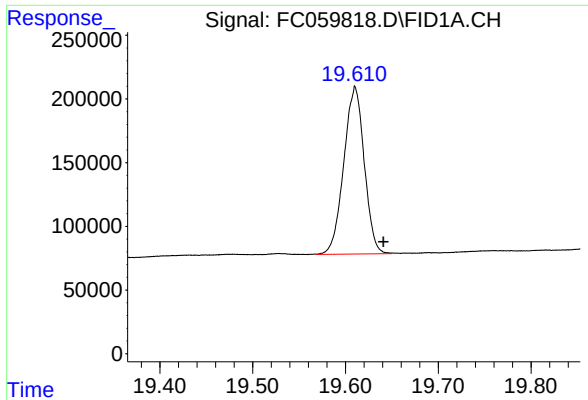
#19 n-Tetratriacontane (C34)

R.T.: 18.205 min
Delta R.T.: -0.031 min
Response: 2327767
Conc: 23.84 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 18.927 min
Delta R.T.: -0.033 min
Response: 2103760
Conc: 22.66 ug/ml m



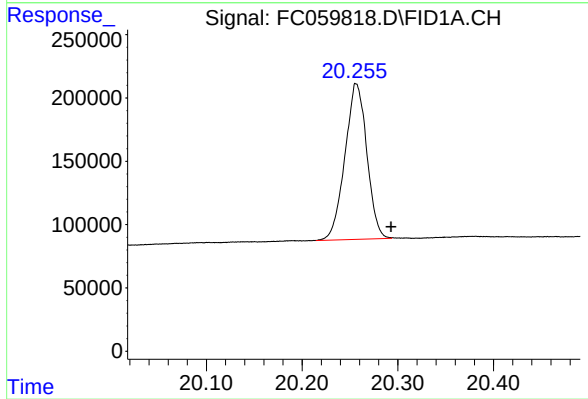
#21 n-Octatriacontane (C38)

R.T.: 19.610 min
Delta R.T.: -0.031 min
Response: 2009256
Conc: 21.11 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.255 min
Delta R.T.: -0.038 min
Response: 1962827
Conc: 20.73 ug/ml m