

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051322AL\
 Data File : FC059766.D
 Signal(s) : FID1A.CH
 Acq On : 14 May 2022 3:14
 Operator : UA/NP
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/16/2022
 Supervised By :mohammad ahmed 05/16/2022

Integration File: sample.E
 Quant Time: May 14 03:58:34 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)	10.653	2844032	19.367 ug/ml
Spiked Amount 50.000		Recovery =	38.73%
12) S 1-chlorooctadecane (S...	12.024	2217314	19.268 ug/ml
Spiked Amount 50.000		Recovery =	38.54%
Target Compounds			
1) T n-Nonane (C9)	2.629	2696366	21.114 ug/ml
2) T n-Decane (C10)	3.629	2684771	21.199 ug/ml
3) T A~Naphthalene (C11.7)	5.167	3060766	20.787 ug/ml
4) T n-Dodecane (C12)	5.584	2773684	21.091 ug/ml
5) T A~2-methylnaphthalene...	6.190	3086407	20.532 ug/ml
6) T n-Tetradecane (C14)	7.336	2783458	20.686 ug/ml
7) T n-Hexadecane (C16)	8.900	2777350	20.241 ug/ml
8) T n-Octadecane (C18)	10.310	2730667	19.815 ug/ml
10) T n-Eicosane (C20)	11.588	2612681	19.426 ug/ml
11) T n-Heneicosane (C21)	12.187	2564648	19.225 ug/ml
13) T n-Docosane (C22)	12.759	2514071	19.156 ug/ml
14) T n-Tetracosane (C24)	13.836	2484442	19.746 ug/ml
15) T n-Hexacosane (C26)	14.834	2314550	19.380 ug/ml
16) T n-Octacosane (C28)	15.761	2253870	19.798 ug/ml
17) T n-Tricontane (C30)	16.628	2211971	20.123 ug/ml
18) T n-Dotriacontane (C32)	17.439	2111754	20.427 ug/mlm
19) T n-Tetratriacontane (C34)	18.206	2062872	21.129 ug/mlm
20) T n-Hexatriacontane (C36)	18.927	1937574	20.871 ug/mlm
21) T n-Octatriacontane (C38)	19.614	2140349	22.484 ug/mlm
22) T n-Tetracontane (C40)	20.262	2031878	21.464 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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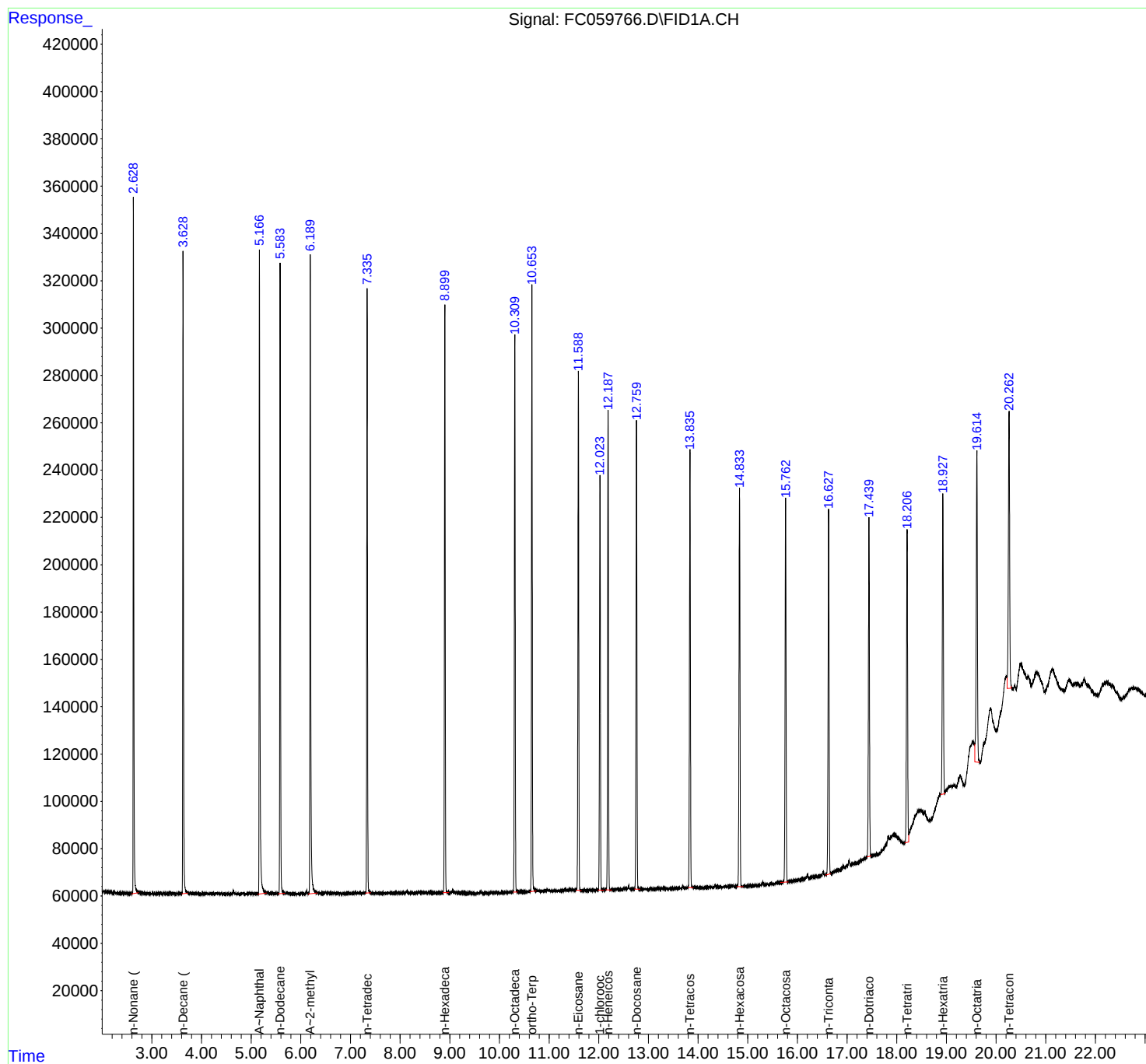
Instrument :
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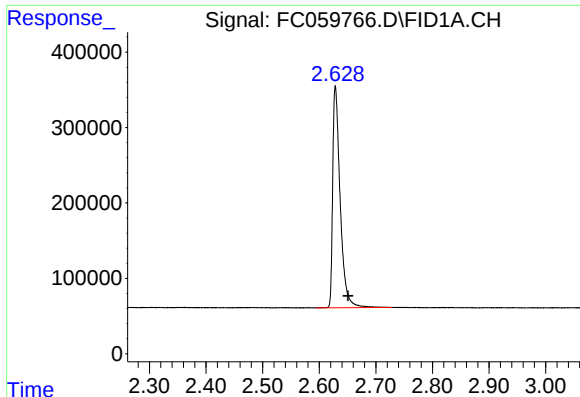
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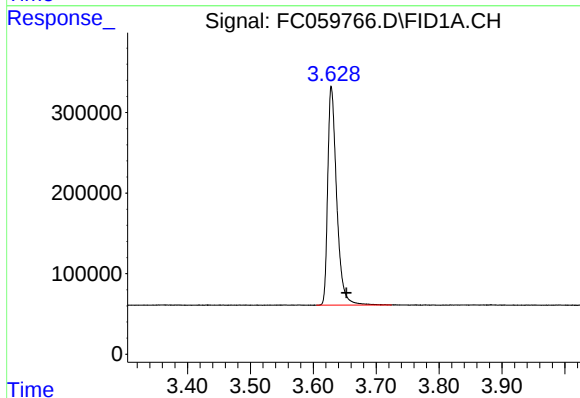
#1 n-Nonane (C9)

R.T.: 2.629 min
Delta R.T.: -0.022 min
Response: 2696366
Conc: 21.11 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

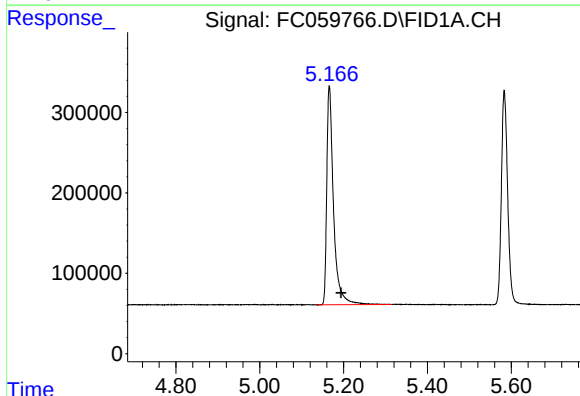
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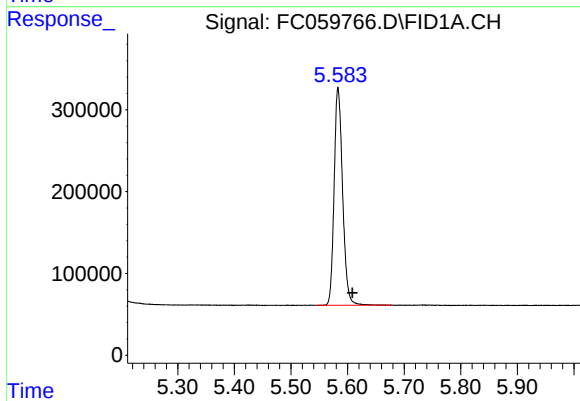
#2 n-Decane (C10)

R.T.: 3.629 min
Delta R.T.: -0.023 min
Response: 2684771
Conc: 21.20 ug/ml



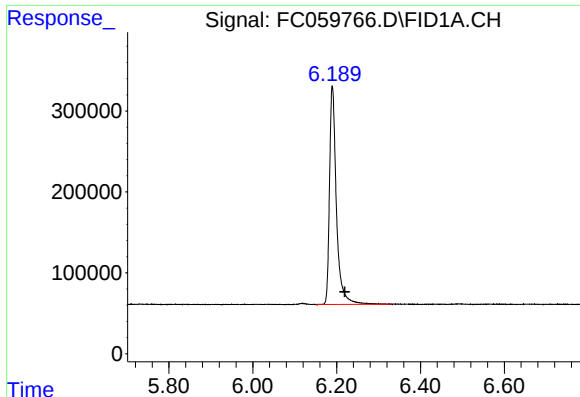
#3 A~Naphthalene (C11.7)

R.T.: 5.167 min
Delta R.T.: -0.028 min
Response: 3060766
Conc: 20.79 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.584 min
Delta R.T.: -0.025 min
Response: 2773684
Conc: 21.09 ug/ml



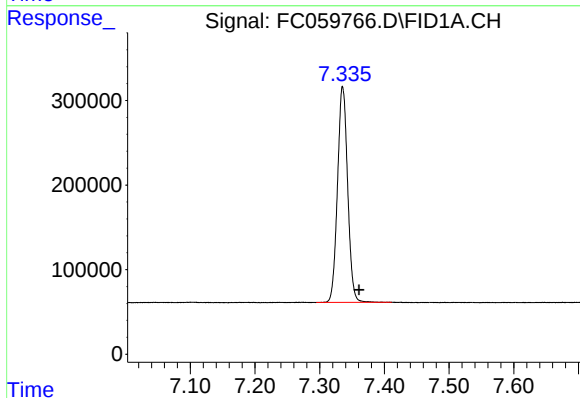
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.190 min
Delta R.T.: -0.029 min
Response: 3086407
Conc: 20.53 ug/ml

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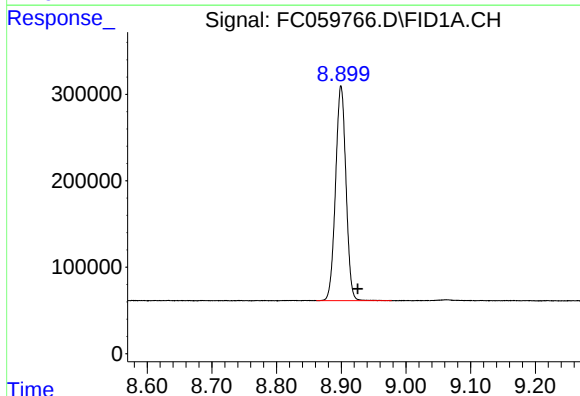
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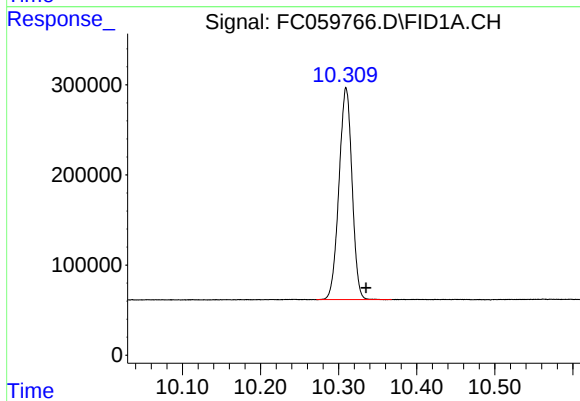
#6 n-Tetradecane (C14)

R.T.: 7.336 min
Delta R.T.: -0.025 min
Response: 2783458
Conc: 20.69 ug/ml



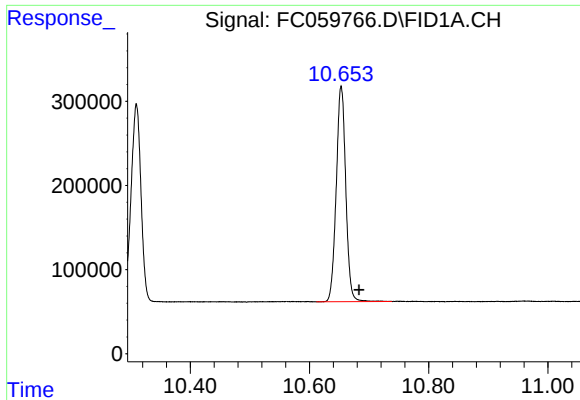
#7 n-Hexadecane (C16)

R.T.: 8.900 min
Delta R.T.: -0.026 min
Response: 2777350
Conc: 20.24 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.310 min
Delta R.T.: -0.026 min
Response: 2730667
Conc: 19.82 ug/ml



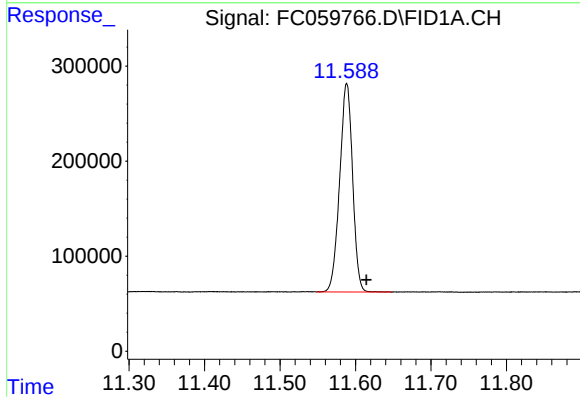
#9 ortho-Terphenyl (SURR)

R.T.: 10.653 min
Delta R.T.: -0.030 min
Response: 2844032
Conc: 19.37 ug/ml

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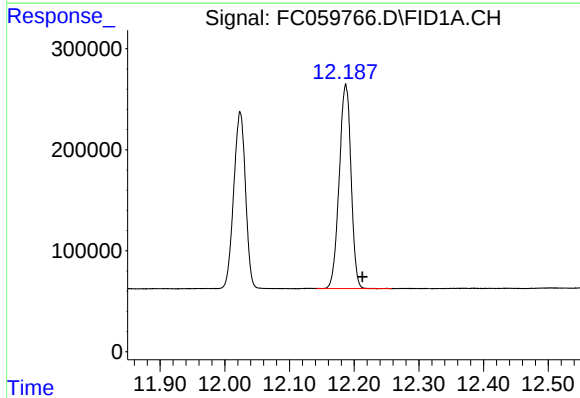
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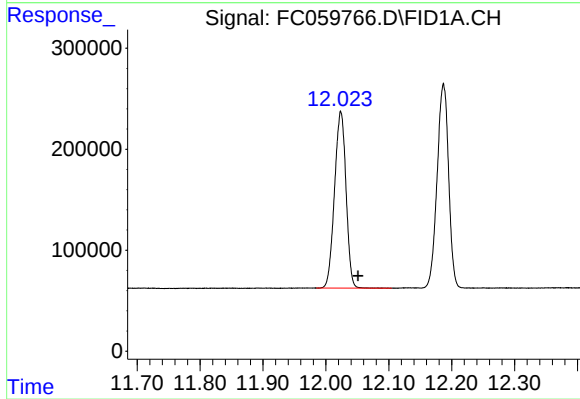
#10 n-Eicosane (C20)

R.T.: 11.588 min
Delta R.T.: -0.026 min
Response: 2612681
Conc: 19.43 ug/ml



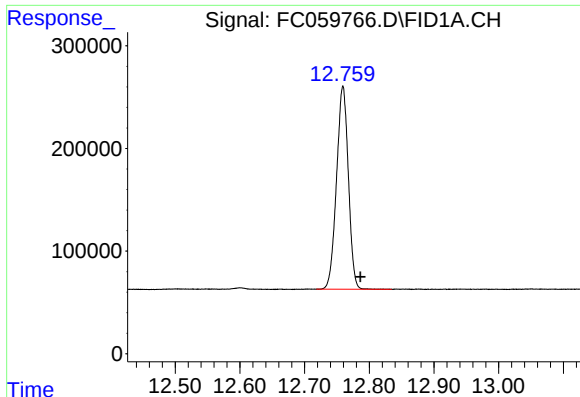
#11 n-Heneicosane (C21)

R.T.: 12.187 min
Delta R.T.: -0.026 min
Response: 2564648
Conc: 19.22 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.024 min
Delta R.T.: -0.027 min
Response: 2217314
Conc: 19.27 ug/ml



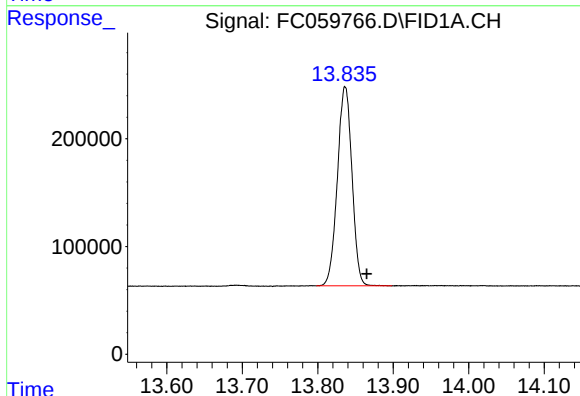
#13 n-Docosane (C22)

R.T.: 12.759 min
Delta R.T.: -0.027 min
Response: 2514071
Conc: 19.16 ug/ml

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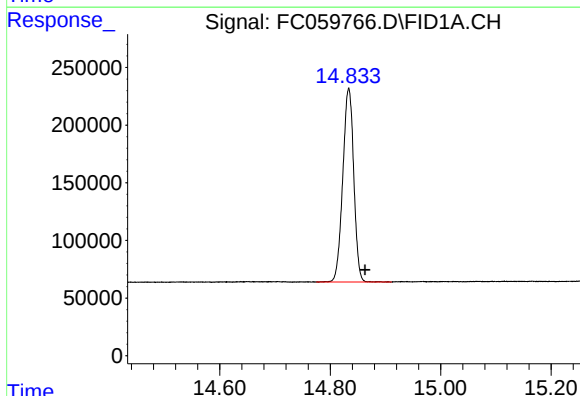
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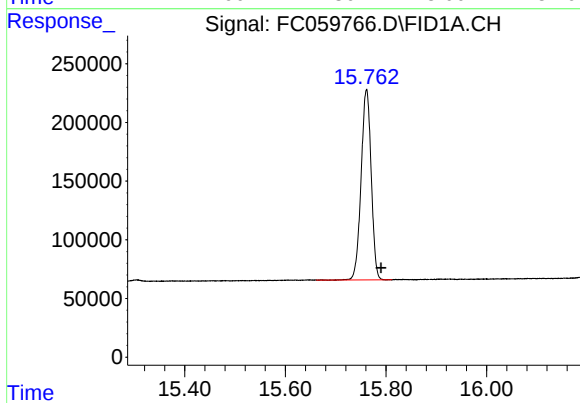
#14 n-Tetracosane (C24)

R.T.: 13.836 min
Delta R.T.: -0.029 min
Response: 2484442
Conc: 19.75 ug/ml



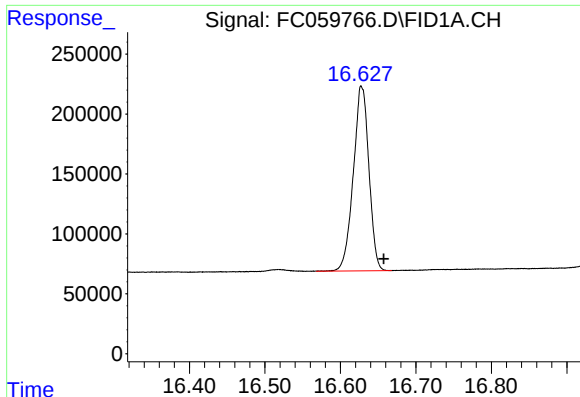
#15 n-Hexacosane (C26)

R.T.: 14.834 min
Delta R.T.: -0.029 min
Response: 2314550
Conc: 19.38 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.761 min
Delta R.T.: -0.029 min
Response: 2253870
Conc: 19.80 ug/ml



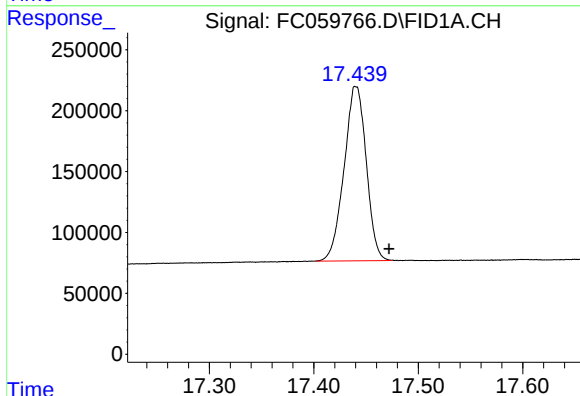
#17 n-Tricontane (C30)

R.T.: 16.628 min
Delta R.T.: -0.029 min
Response: 2211971
Conc: 20.12 ug/ml

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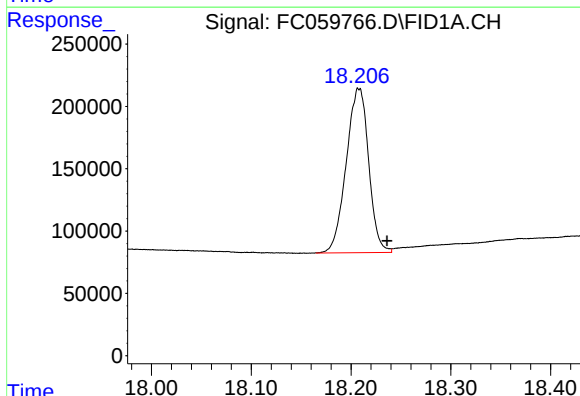
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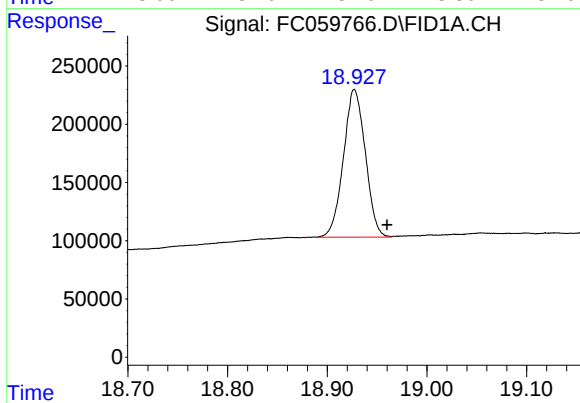
#18 n-Dotriacontane (C32)

R.T.: 17.439 min
Delta R.T.: -0.033 min
Response: 2111754
Conc: 20.43 ug/ml m



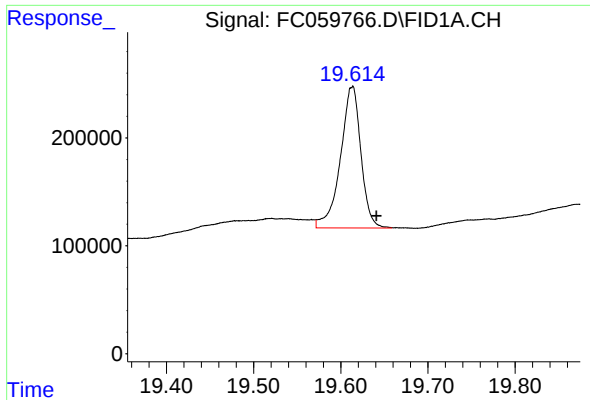
#19 n-Tetratriacontane (C34)

R.T.: 18.206 min
Delta R.T.: -0.030 min
Response: 2062872
Conc: 21.13 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 18.927 min
Delta R.T.: -0.033 min
Response: 1937574
Conc: 20.87 ug/ml m



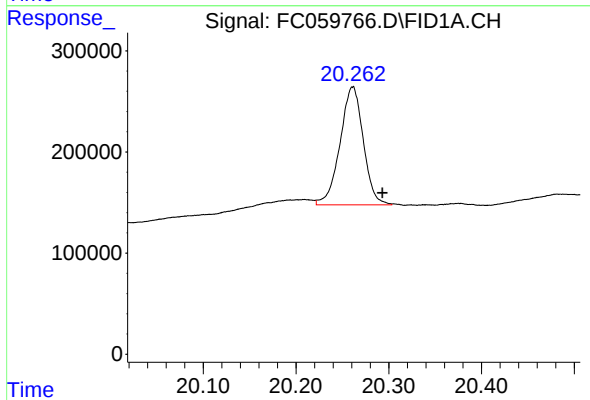
#21 n-Octatriacontane (C38)

R.T.: 19.614 min
Delta R.T.: -0.027 min
Response: 2140349
Conc: 22.48 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.262 min
Delta R.T.: -0.031 min
Response: 2031878
Conc: 21.46 ug/ml m