

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051922AL\
 Data File : FC059839.D
 Signal(s) : FID1A.CH
 Acq On : 20 May 2022 4:59
 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 05/20/2022
 Supervised By :mohammad ahmed 05/20/2022

Integration File: sample.E
 Quant Time: May 20 05:25:18 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)	10.644	2589995	17.638 ug/ml
Spiked Amount 50.000		Recovery =	35.28%
12) S 1-chlorooctadecane (S...	12.014	2038295	17.712 ug/ml
Spiked Amount 50.000		Recovery =	35.42%
Target Compounds			
1) T n-Nonane (C9)	2.624	2229729	17.460 ug/ml
2) T n-Decane (C10)	3.623	2328590	18.387 ug/ml
3) T A~Naphthalene (C11.7)	5.159	2622536	17.811 ug/ml
4) T n-Dodecane (C12)	5.577	2427063	18.456 ug/ml
5) T A~2-methylnaphthalene...	6.182	2685645	17.866 ug/ml
6) T n-Tetradecane (C14)	7.328	2444234	18.165 ug/ml
7) T n-Hexadecane (C16)	8.892	2477025	18.052 ug/ml
8) T n-Octadecane (C18)	10.300	2474221	17.954 ug/ml
10) T n-Eicosane (C20)	11.579	2398684	17.835 ug/ml
11) T n-Heneicosane (C21)	12.177	2367870	17.750 ug/ml
13) T n-Docosane (C22)	12.751	2376784	18.110 ug/ml
14) T n-Tetracosane (C24)	13.829	2379327	18.910 ug/ml
15) T n-Hexacosane (C26)	14.826	2241573	18.769 ug/ml
16) T n-Octacosane (C28)	15.755	2278757	20.016 ug/ml
17) T n-Tricontane (C30)	16.623	2465757	22.431 ug/ml
18) T n-Dotriacontane (C32)	17.436	2429459	23.500 ug/mlm
19) T n-Tetratriacontane (C34)	18.201	2183025	22.360 ug/mlm
20) T n-Hexatriacontane (C36)	18.922	1966966	21.188 ug/mlm
21) T n-Octatriacontane (C38)	19.606	1840386	19.333 ug/mlm
22) T n-Tetracontane (C40)	20.253	1805888	19.077 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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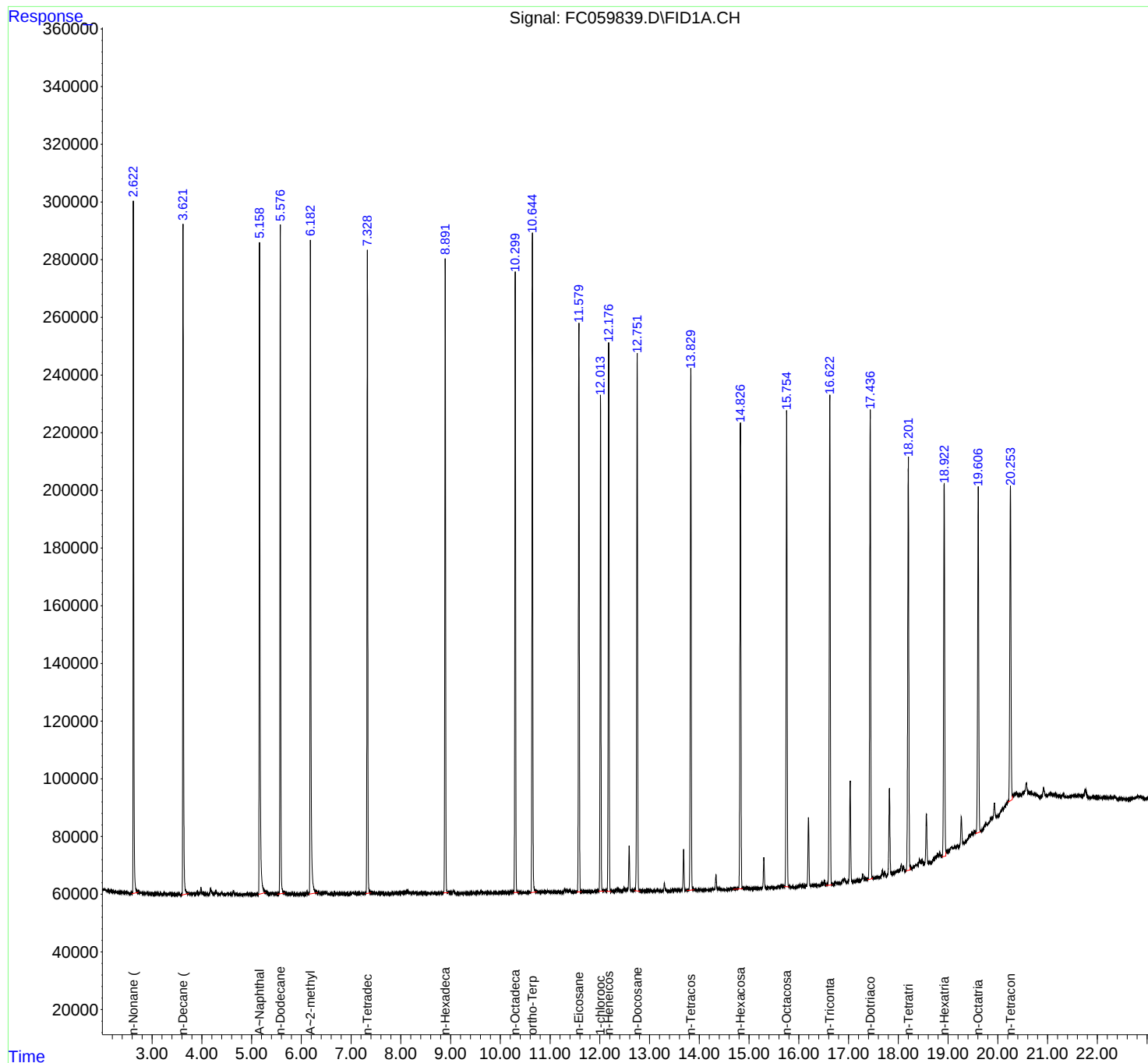
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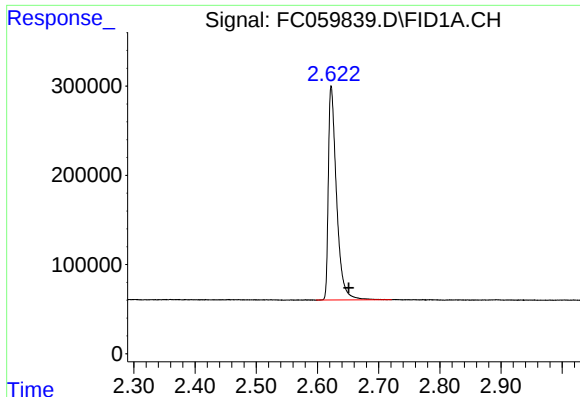
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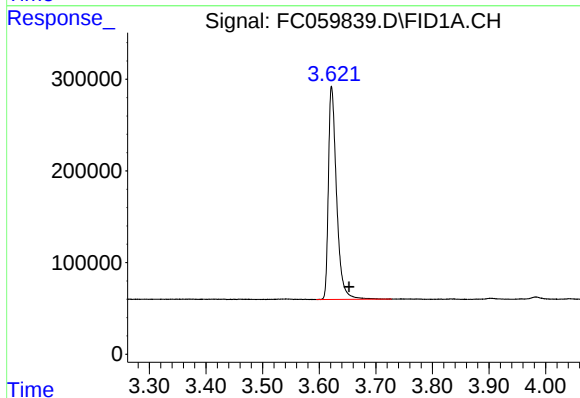
#1 n-Nonane (C9)

R.T.: 2.624 min
Delta R.T.: -0.027 min
Response: 2229729
Conc: 17.46 ug/ml

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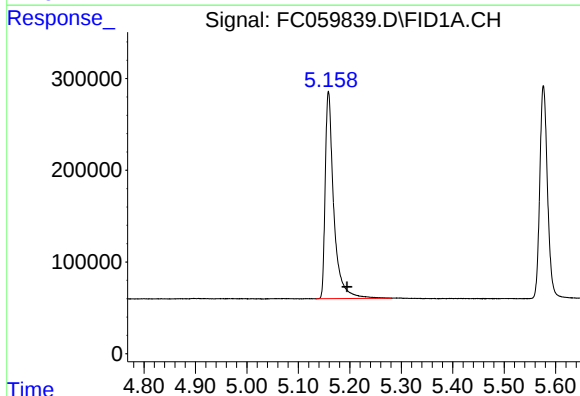
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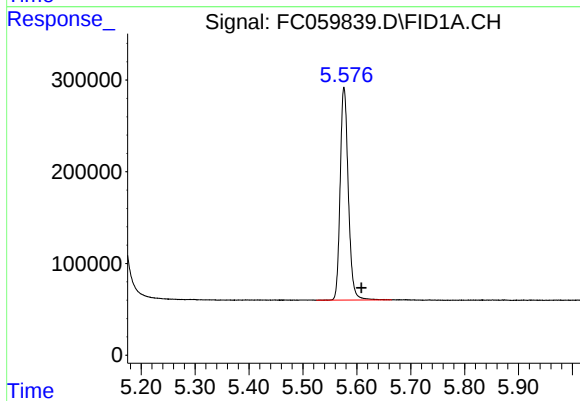
#2 n-Decane (C10)

R.T.: 3.623 min
Delta R.T.: -0.030 min
Response: 2328590
Conc: 18.39 ug/ml



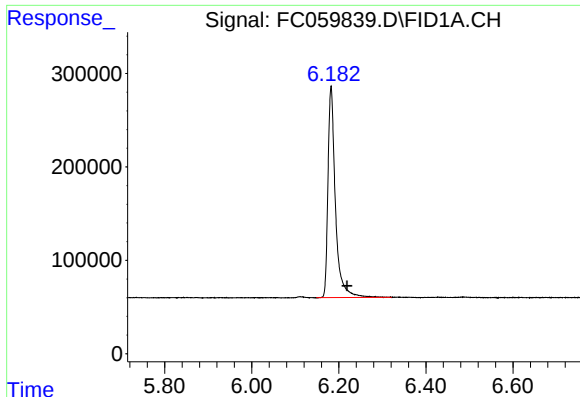
#3 A~Naphthalene (C11.7)

R.T.: 5.159 min
Delta R.T.: -0.035 min
Response: 2622536
Conc: 17.81 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.577 min
Delta R.T.: -0.032 min
Response: 2427063
Conc: 18.46 ug/ml



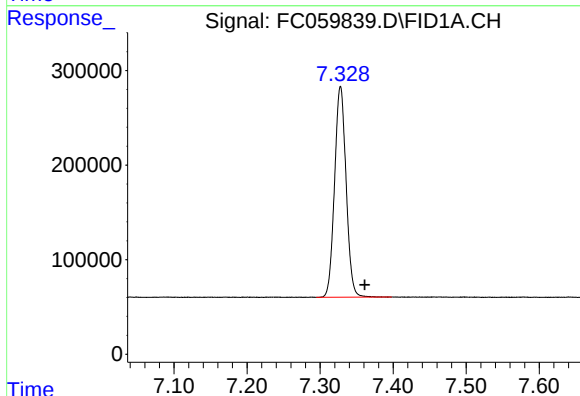
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.182 min
Delta R.T.: -0.037 min
Response: 2685645
Conc: 17.87 ug/ml

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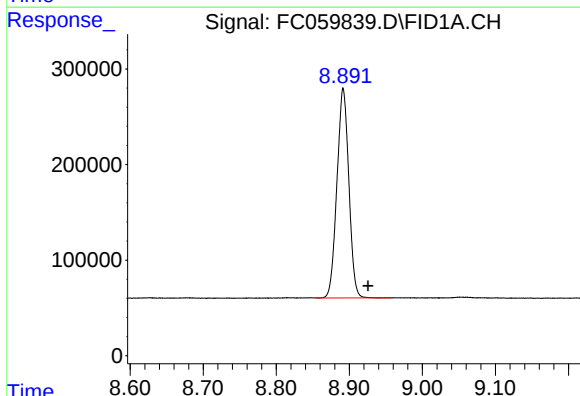
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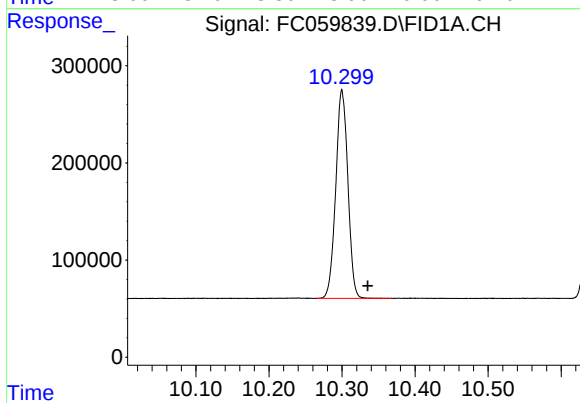
#6 n-Tetradecane (C14)

R.T.: 7.328 min
Delta R.T.: -0.033 min
Response: 2444234
Conc: 18.16 ug/ml



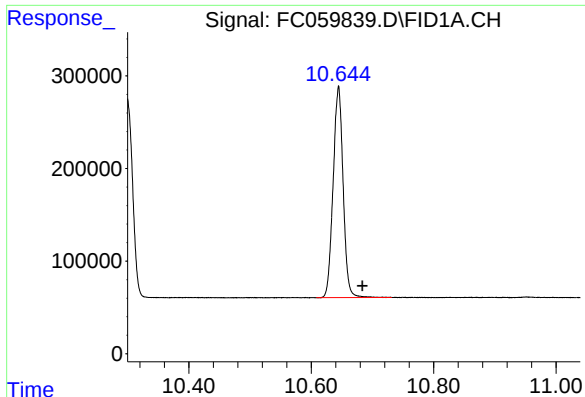
#7 n-Hexadecane (C16)

R.T.: 8.892 min
Delta R.T.: -0.034 min
Response: 2477025
Conc: 18.05 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.300 min
Delta R.T.: -0.035 min
Response: 2474221
Conc: 17.95 ug/ml



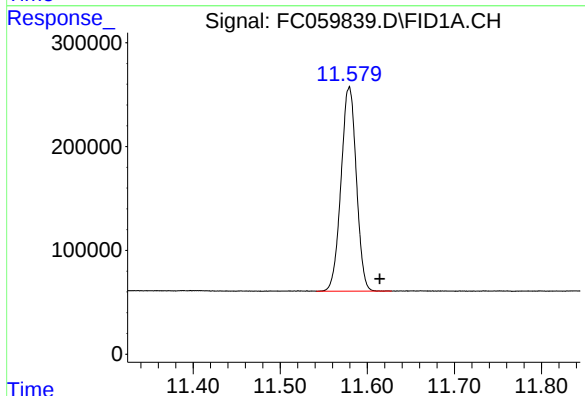
#9 ortho-Terphenyl (SURR)

R.T.: 10.644 min
Delta R.T.: -0.039 min
Response: 2589995
Conc: 17.64 ug/ml

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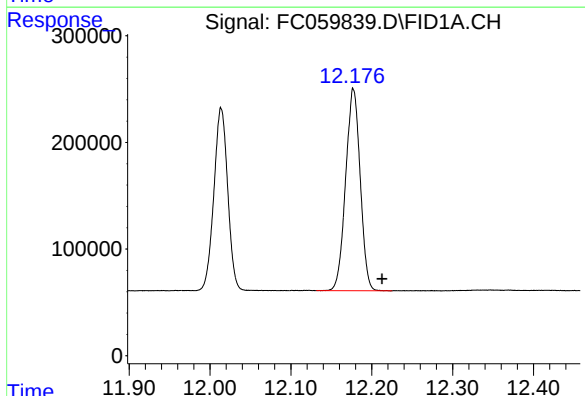
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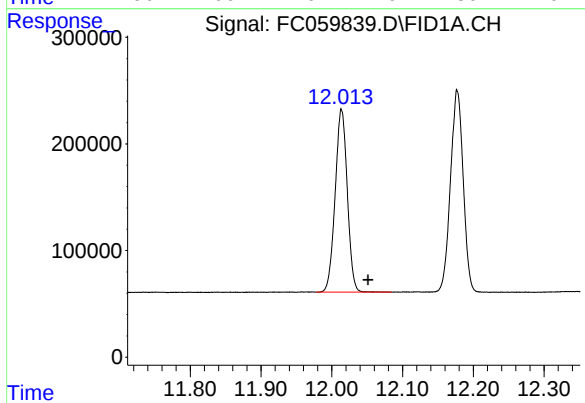
#10 n-Eicosane (C20)

R.T.: 11.579 min
Delta R.T.: -0.035 min
Response: 2398684
Conc: 17.83 ug/ml



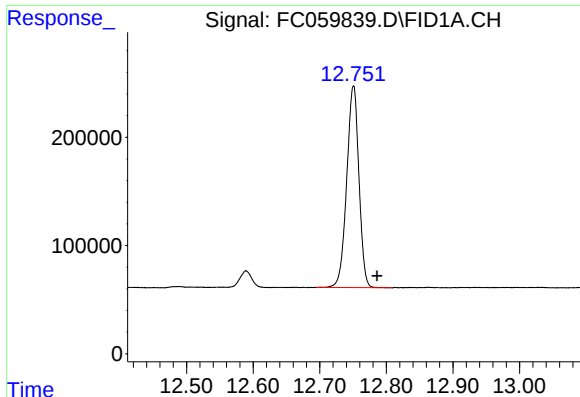
#11 n-Heneicosane (C21)

R.T.: 12.177 min
Delta R.T.: -0.035 min
Response: 2367870
Conc: 17.75 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.014 min
Delta R.T.: -0.037 min
Response: 2038295
Conc: 17.71 ug/ml



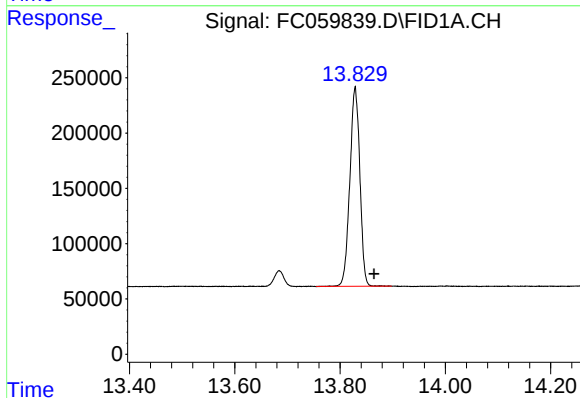
#13 n-Docosane (C22)

R.T.: 12.751 min
Delta R.T.: -0.036 min
Response: 2376784
Conc: 18.11 ug/ml

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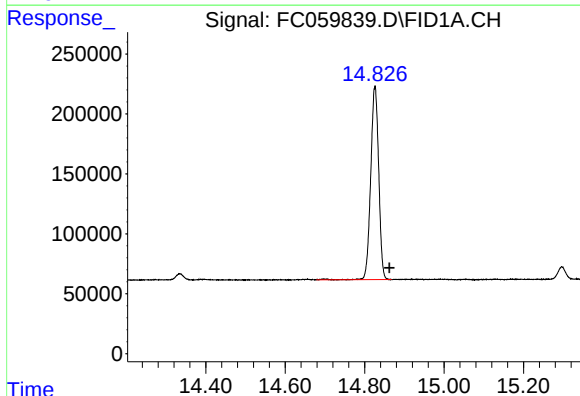
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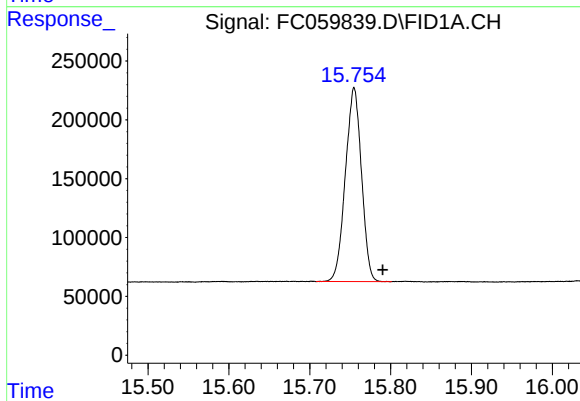
#14 n-Tetracosane (C24)

R.T.: 13.829 min
Delta R.T.: -0.036 min
Response: 2379327
Conc: 18.91 ug/ml



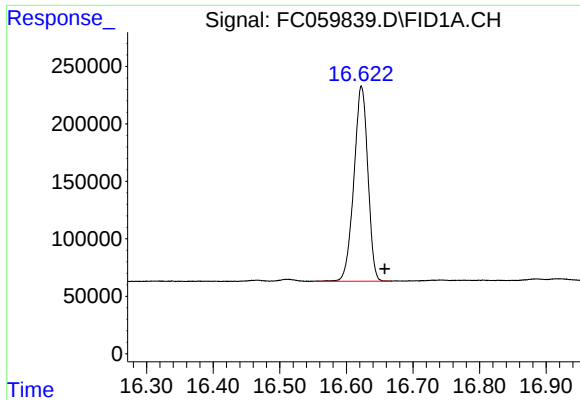
#15 n-Hexacosane (C26)

R.T.: 14.826 min
Delta R.T.: -0.037 min
Response: 2241573
Conc: 18.77 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.755 min
Delta R.T.: -0.035 min
Response: 2278757
Conc: 20.02 ug/ml



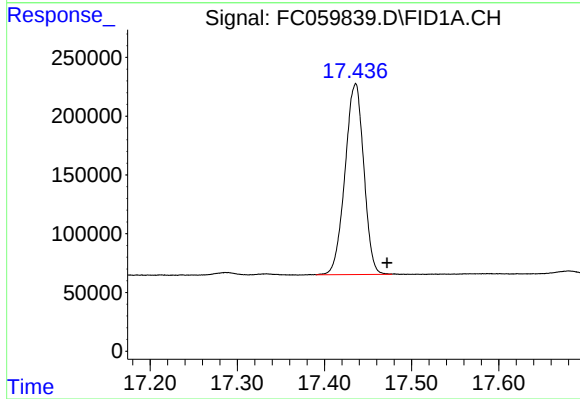
#17 n-Tricontane (C30)

R.T.: 16.623 min
Delta R.T.: -0.035 min
Response: 2465757
Conc: 22.43 ug/ml

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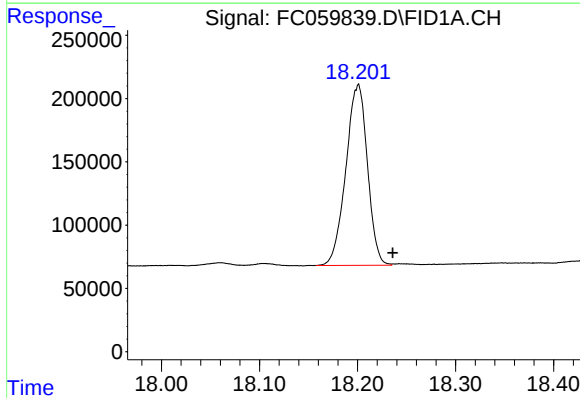
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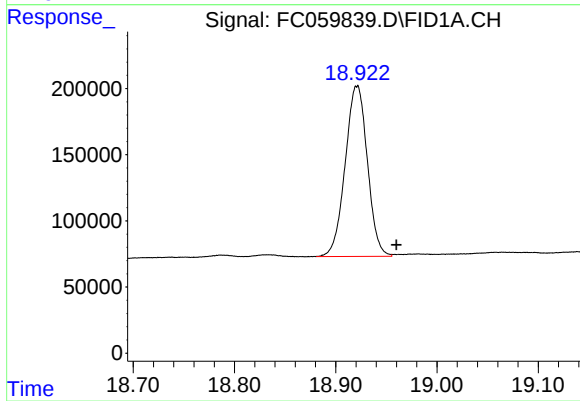
#18 n-Dotriacontane (C32)

R.T.: 17.436 min
Delta R.T.: -0.036 min
Response: 2429459
Conc: 23.50 ug/ml m



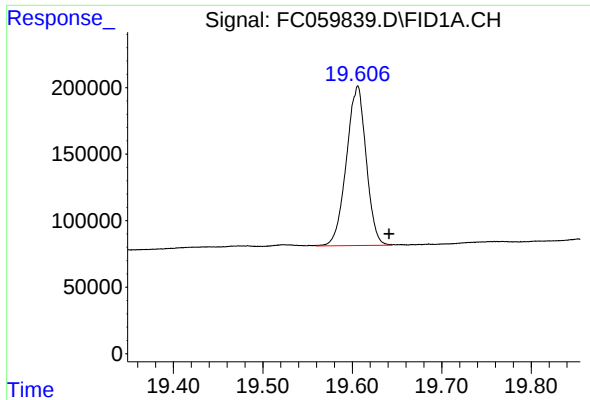
#19 n-Tetratriacontane (C34)

R.T.: 18.201 min
Delta R.T.: -0.035 min
Response: 2183025
Conc: 22.36 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 18.922 min
Delta R.T.: -0.038 min
Response: 1966966
Conc: 21.19 ug/ml m



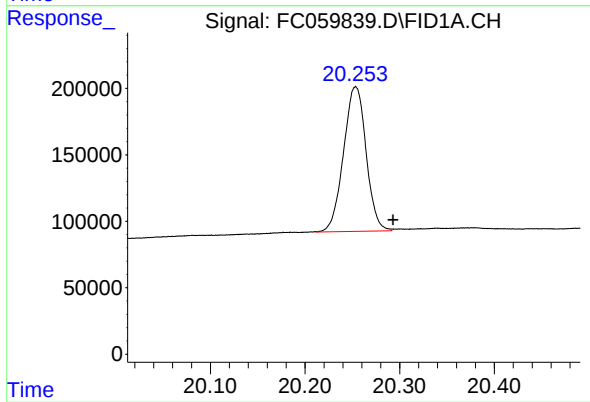
#21 n-Octatriacontane (C38)

R.T.: 19.606 min
Delta R.T.: -0.035 min
Response: 1840386
Conc: 19.33 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.253 min
Delta R.T.: -0.040 min
Response: 1805888
Conc: 19.08 ug/ml m