

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052122AL\
 Data File : FC059875.D
 Signal(s) : FID1A.CH
 Acq On : 21 May 2022 11:43
 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 05/23/2022
 Supervised By :Ankita Jodhani 05/23/2022

Integration File: sample.E
 Quant Time: May 23 01:00:52 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)	10.647	2845148	19.375 ug/ml
Spiked Amount 50.000		Recovery =	38.75%
12) S 1-chlorooctadecane (S...	12.016	2227670	19.358 ug/ml
Spiked Amount 50.000		Recovery =	38.72%
Target Compounds			
1) T n-Nonane (C9)	2.626	2494099	19.531 ug/ml
2) T n-Decane (C10)	3.624	2608876	20.600 ug/ml
3) T A~Naphthalene (C11.7)	5.160	2930013	19.899 ug/ml
4) T n-Dodecane (C12)	5.577	2751931	20.926 ug/ml
5) T A~2-methylnaphthalene...	6.184	3011561	20.034 ug/ml
6) T n-Tetradecane (C14)	7.329	2739126	20.356 ug/ml
7) T n-Hexadecane (C16)	8.893	2757337	20.095 ug/ml
8) T n-Octadecane (C18)	10.302	2731430	19.821 ug/ml
10) T n-Eicosane (C20)	11.581	2631255	19.564 ug/ml
11) T n-Heneicosane (C21)	12.180	2586282	19.387 ug/ml
13) T n-Docosane (C22)	12.753	2597984	19.796 ug/ml
14) T n-Tetracosane (C24)	13.831	2591240	20.595 ug/ml
15) T n-Hexacosane (C26)	14.828	2437088	20.406 ug/ml
16) T n-Octacosane (C28)	15.757	2511709	22.062 ug/ml
17) T n-Tricontane (C30)	16.624	2729406	24.830 ug/ml
18) T n-Dotriacontane (C32)	17.438	2700291	26.119 ug/mlm
19) T n-Tetratriacontane (C34)	18.202	2424170	24.830 ug/mlm
20) T n-Hexatriacontane (C36)	18.924	2172240	23.399 ug/mlm
21) T n-Octatriacontane (C38)	19.607	2166767	22.762 ug/mlm
22) T n-Tetracontane (C40)	20.258	1949331	20.592 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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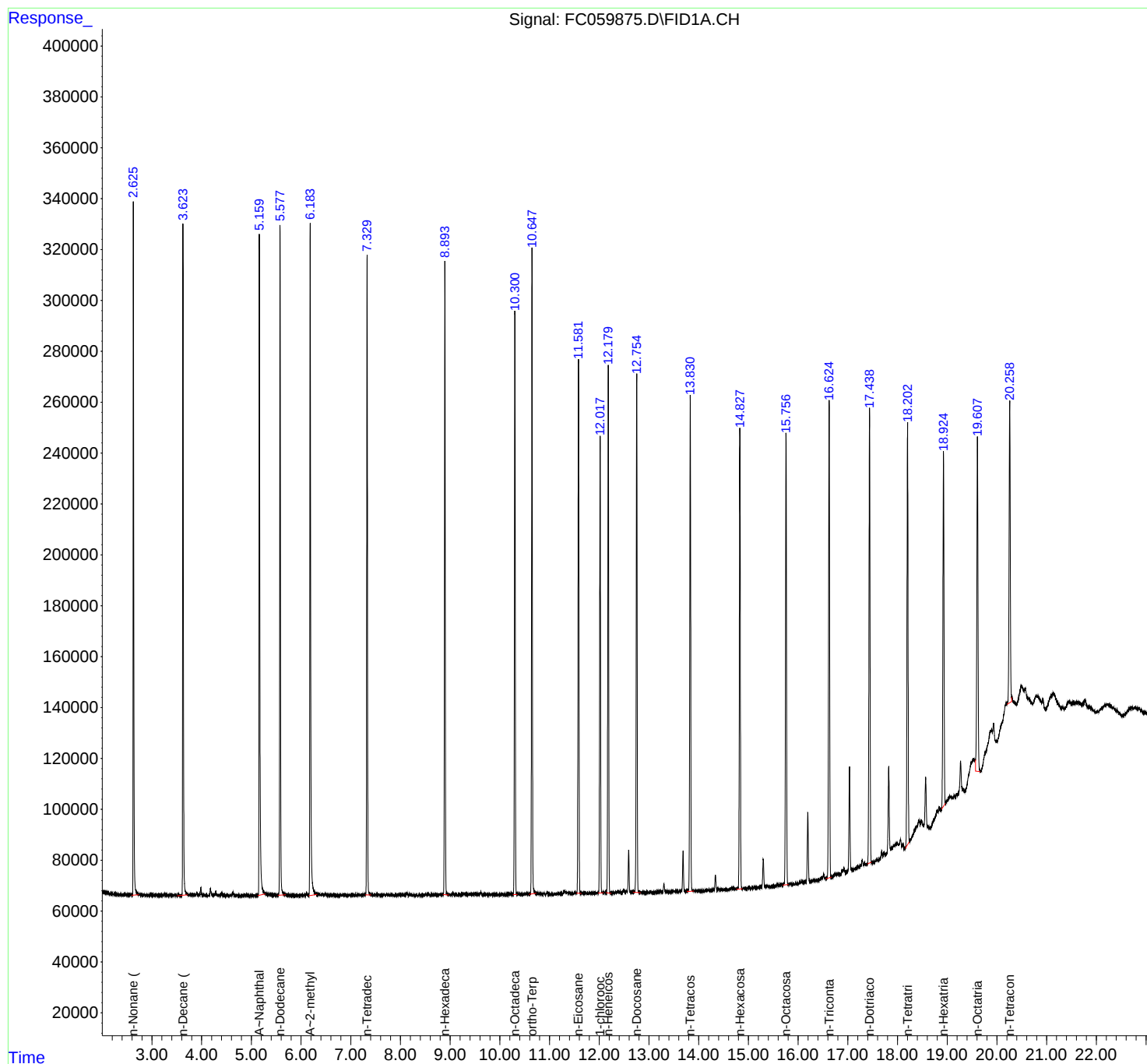
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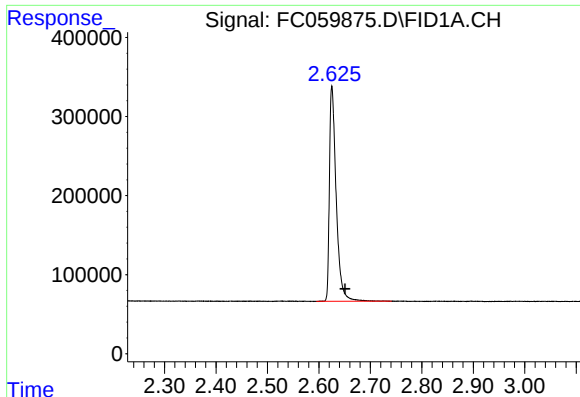
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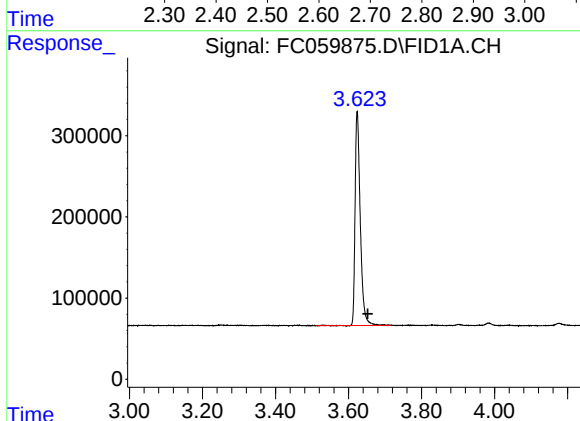
#1 n-Nonane (C9)

R.T.: 2.626 min
Delta R.T.: -0.025 min
Response: 2494099
Conc: 19.53 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

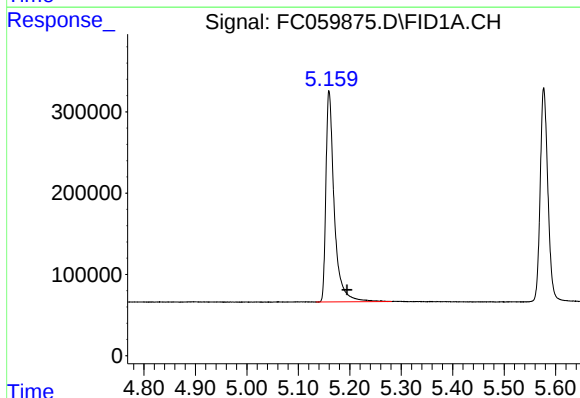
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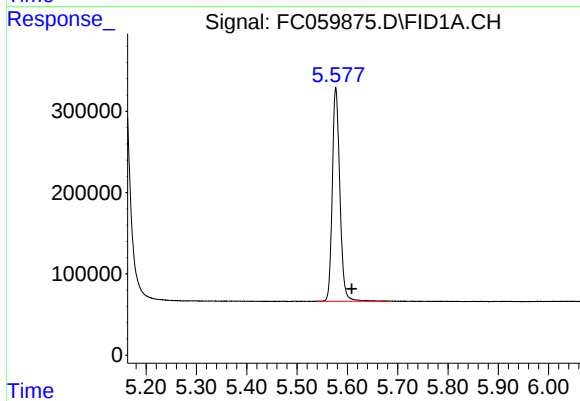
#2 n-Decane (C10)

R.T.: 3.624 min
Delta R.T.: -0.028 min
Response: 2608876
Conc: 20.60 ug/ml



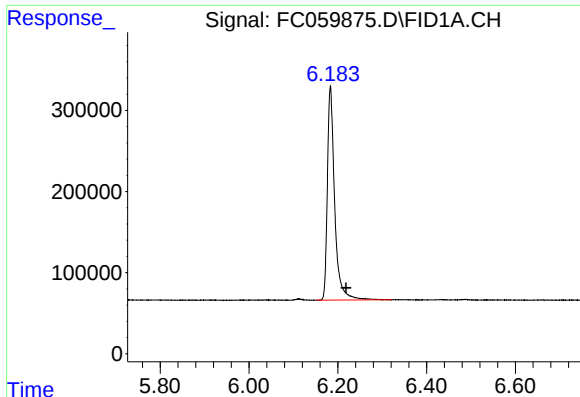
#3 A~Naphthalene (C11.7)

R.T.: 5.160 min
Delta R.T.: -0.034 min
Response: 2930013
Conc: 19.90 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.577 min
Delta R.T.: -0.031 min
Response: 2751931
Conc: 20.93 ug/ml



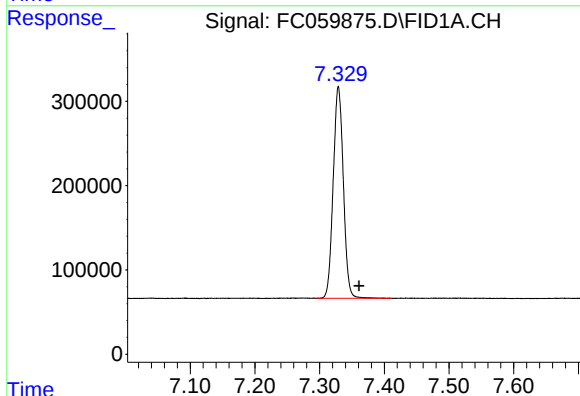
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.184 min
Delta R.T.: -0.035 min
Response: 3011561
Conc: 20.03 ug/ml

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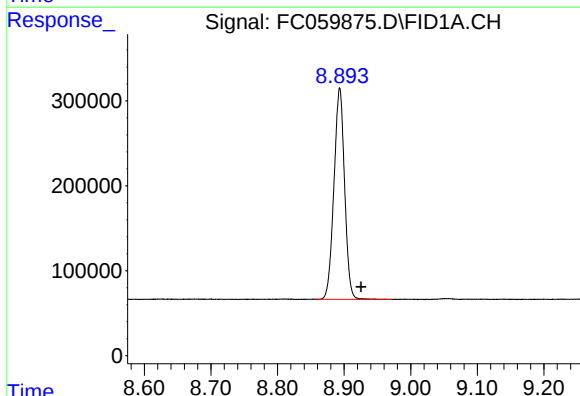
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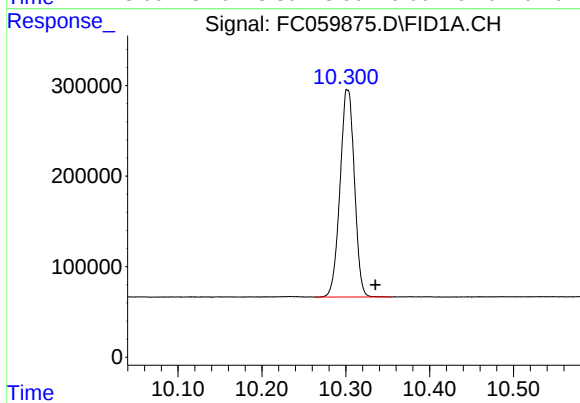
#6 n-Tetradecane (C14)

R.T.: 7.329 min
Delta R.T.: -0.032 min
Response: 2739126
Conc: 20.36 ug/ml



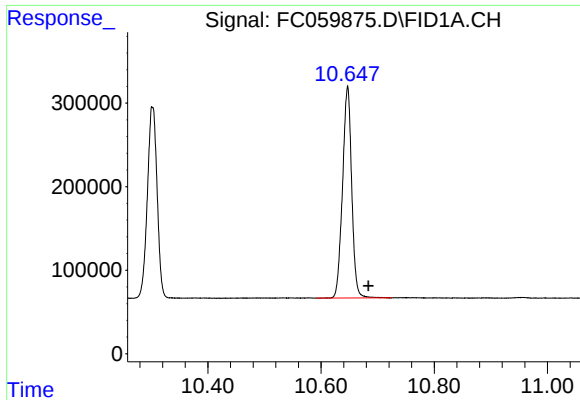
#7 n-Hexadecane (C16)

R.T.: 8.893 min
Delta R.T.: -0.032 min
Response: 2757337
Conc: 20.10 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.302 min
Delta R.T.: -0.033 min
Response: 2731430
Conc: 19.82 ug/ml



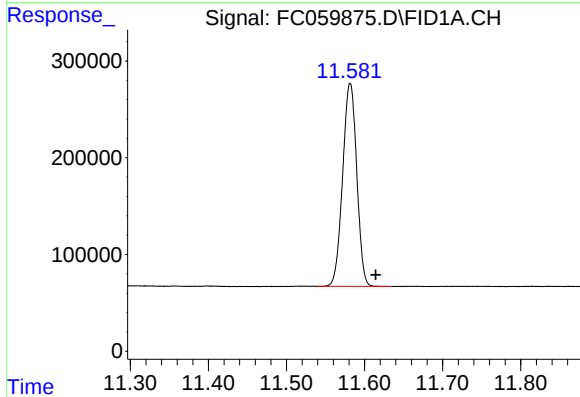
#9 ortho-Terphenyl (SURR)

R.T.: 10.647 min
Delta R.T.: -0.037 min
Response: 2845148
Conc: 19.38 ug/ml

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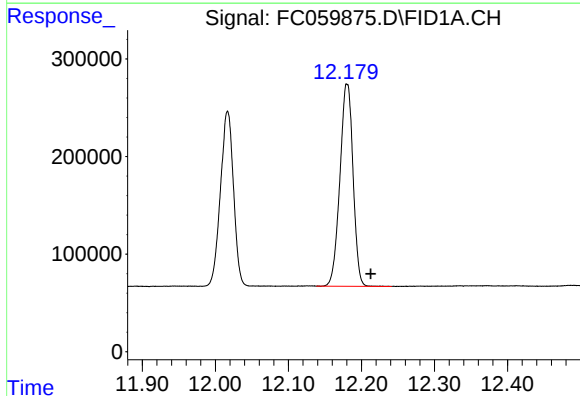
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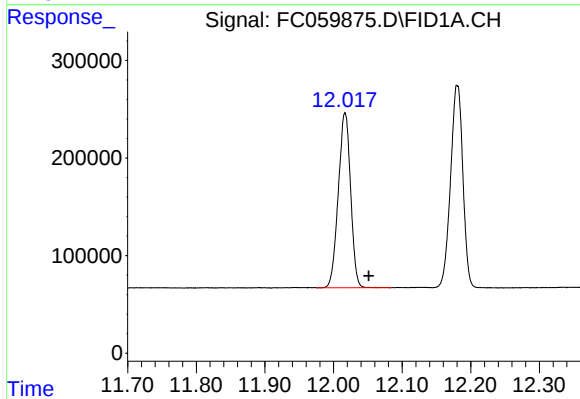
#10 n-Eicosane (C20)

R.T.: 11.581 min
Delta R.T.: -0.033 min
Response: 2631255
Conc: 19.56 ug/ml



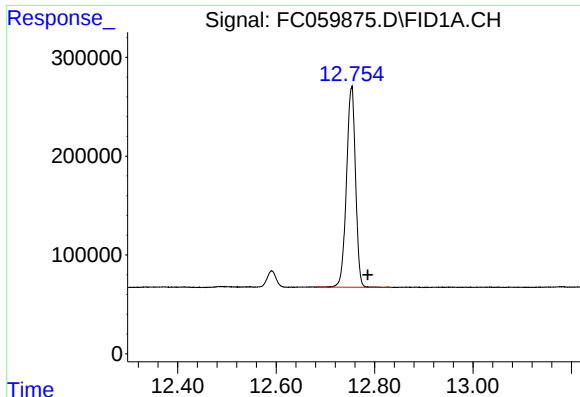
#11 n-Heneicosane (C21)

R.T.: 12.180 min
Delta R.T.: -0.033 min
Response: 2586282
Conc: 19.39 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.016 min
Delta R.T.: -0.035 min
Response: 2227670
Conc: 19.36 ug/ml



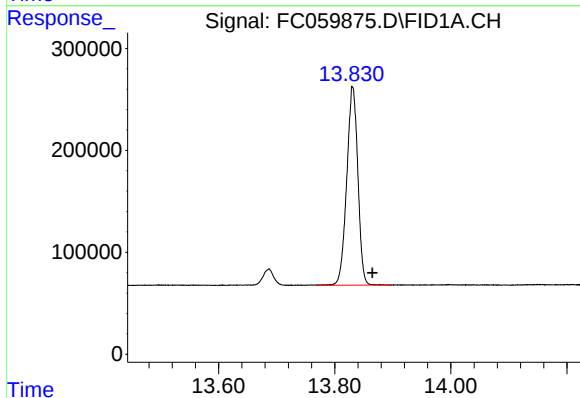
#13 n-Docosane (C22)

R.T.: 12.753 min
Delta R.T.: -0.034 min
Response: 2597984
Conc: 19.80 ug/ml

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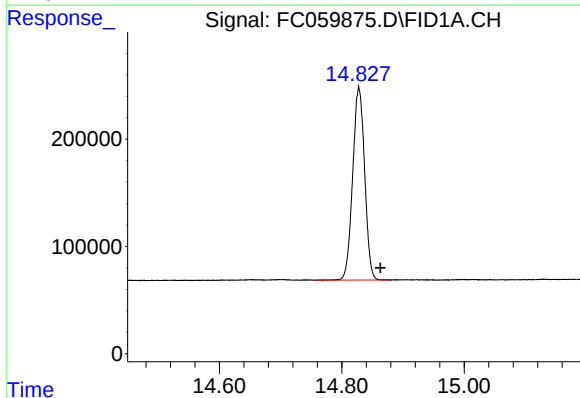
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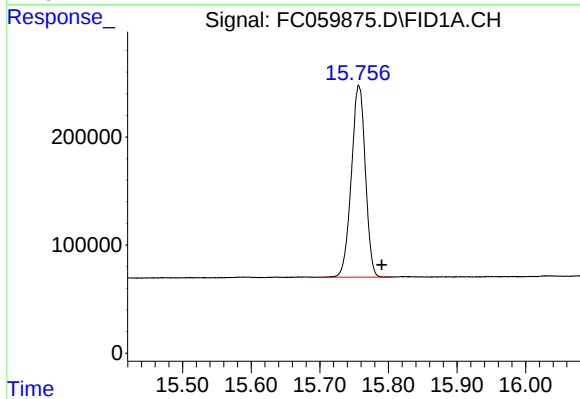
#14 n-Tetracosane (C24)

R.T.: 13.831 min
Delta R.T.: -0.034 min
Response: 2591240
Conc: 20.59 ug/ml



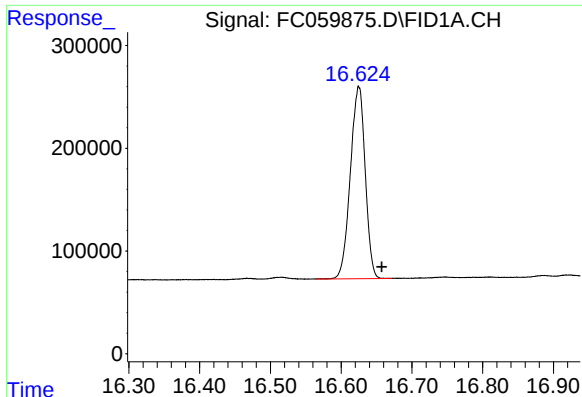
#15 n-Hexacosane (C26)

R.T.: 14.828 min
Delta R.T.: -0.035 min
Response: 2437088
Conc: 20.41 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.757 min
Delta R.T.: -0.033 min
Response: 2511709
Conc: 22.06 ug/ml



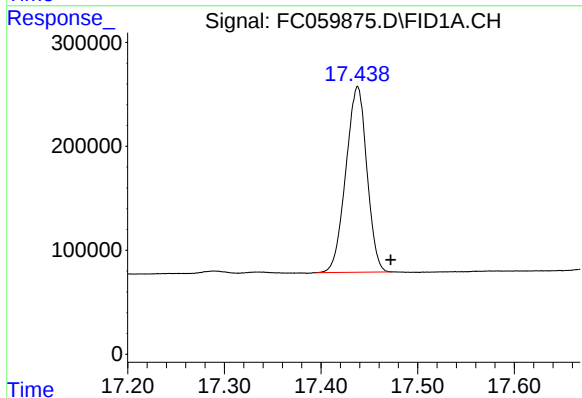
#17 n-Tricontane (C30)

R.T.: 16.624 min
Delta R.T.: -0.033 min
Response: 2729406
Conc: 24.83 ug/ml

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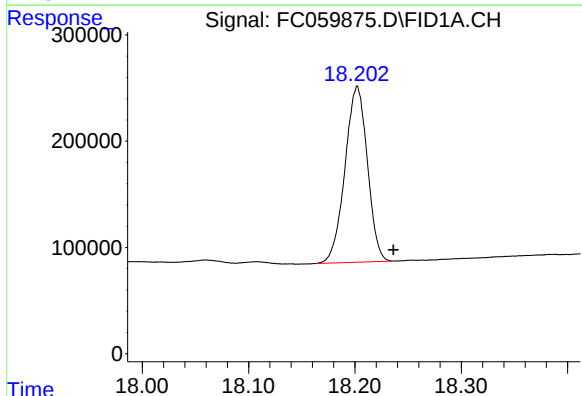
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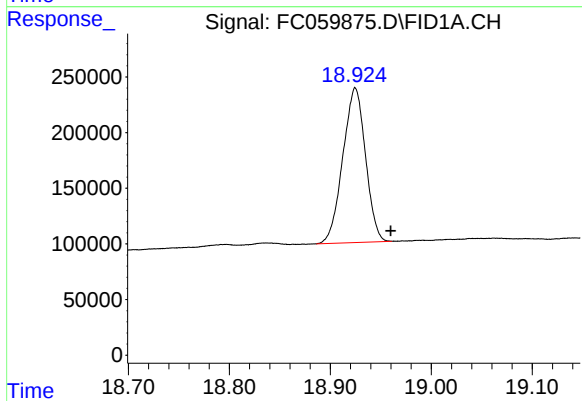
#18 n-Dotriacontane (C32)

R.T.: 17.438 min
Delta R.T.: -0.034 min
Response: 2700291
Conc: 26.12 ug/ml m



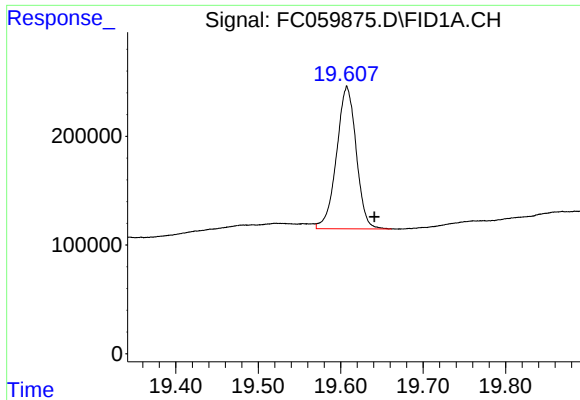
#19 n-Tetratriacontane (C34)

R.T.: 18.202 min
Delta R.T.: -0.034 min
Response: 2424170
Conc: 24.83 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 18.924 min
Delta R.T.: -0.036 min
Response: 2172240
Conc: 23.40 ug/ml m



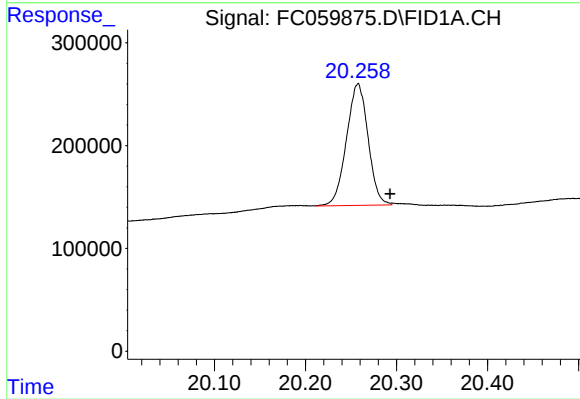
#21 n-Octatriacontane (C38)

R.T.: 19.607 min
Delta R.T.: -0.034 min
Response: 2166767
Conc: 22.76 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.258 min
Delta R.T.: -0.035 min
Response: 1949331
Conc: 20.59 ug/ml m