

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100821AL\
 Data File : FC056086.D
 Signal(s) : FID1A.CH
 Acq On : 09 Oct 2021 7:30
 Operator : AJ\MA
 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

mohammad
 10/12/2021 9:43:09 AM

Integration File: sample.E
 Quant Time: Oct 09 07:51:48 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 092921.M
 Quant Title : GC Extractables
 QLast Update : Thu Sep 30 01:25:44 2021
 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)	11.642	2254258	18.998 ug/ml
Spiked Amount 50.000		Recovery =	38.00%
12) S 1-chlorooctadecane (S...	13.074	1741880	18.960 ug/ml
Spiked Amount 50.000		Recovery =	37.92%
Target Compounds			
1) T n-Nonane (C9)	3.390	2336195	21.892 ug/ml
2) T n-Decane (C10)	4.460	2363535	22.111 ug/ml
3) T A~Naphthalene (C11.7)	6.055	2549116	21.186 ug/ml
4) T n-Dodecane (C12)	6.482	2338209	21.542 ug/ml
5) T A~2-methylnaphthalene...	7.113	2498633	20.569 ug/ml
6) T n-Tetradecane (C14)	8.277	2288138	20.682 ug/ml
7) T n-Hexadecane (C16)	9.878	2219795	20.054 ug/ml
8) T n-Octadecane (C18)	11.320	2190555	19.572 ug/ml
10) T n-Eicosane (C20)	12.628	2100666	19.232 ug/ml
11) T n-Heneicosane (C21)	13.239	2082933	19.158 ug/ml
13) T n-Docosane (C22)	13.825	2043681	19.136 ug/ml
14) T n-Tetracosane (C24)	14.926	2025673	19.372 ug/ml
15) T n-Hexacosane (C26)	15.944	1994673	19.853 ug/ml
16) T n-Octacosane (C28)	16.892	1998197	20.658 ug/ml
17) T n-Tricontane (C30)	17.776	2040917	21.996 ug/mlm
18) T n-Dotriacontane (C32)	18.607	2033417	22.871 ug/mlm
19) T n-Tetratriacontane (C34)	19.386	2003569	23.166 ug/mlm
20) T n-Hexatriacontane (C36)	20.126	1909182	23.368 ug/mlm
21) T n-Octatriacontane (C38)	20.865	1973933	24.771 ug/ml
22) T n-Tetracontane (C40)	21.793	1886259	23.531 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Misc :
ALS Vial : 2 Sample Multiplier: 1

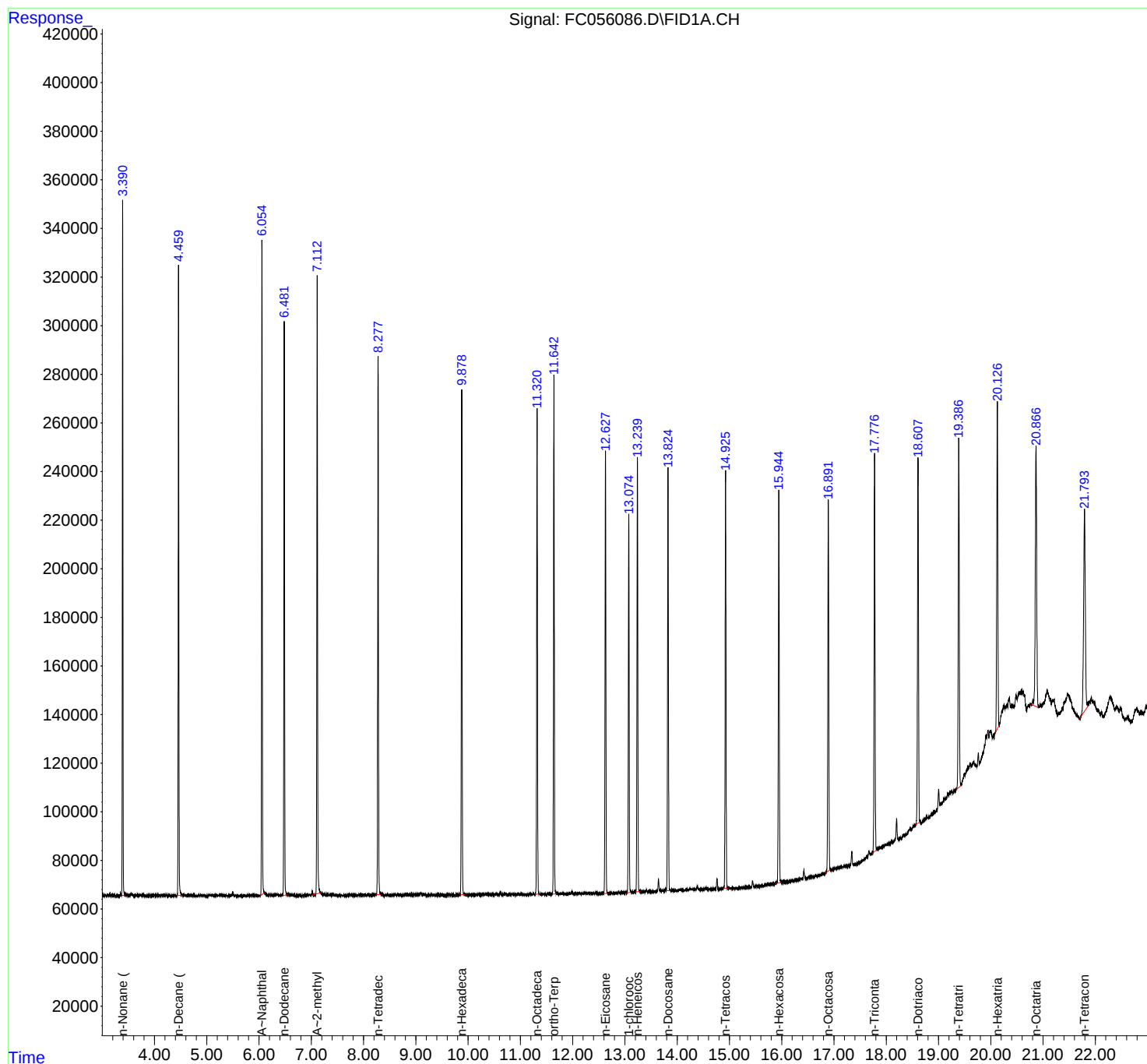
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

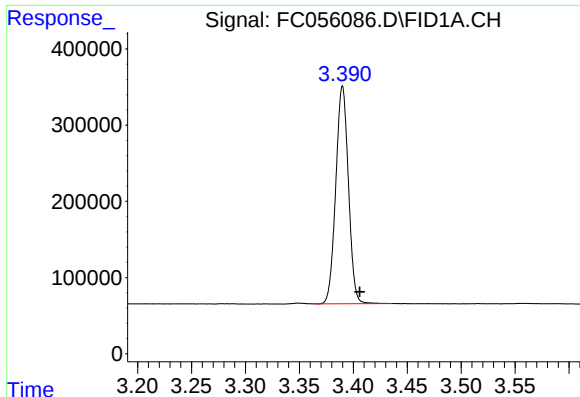
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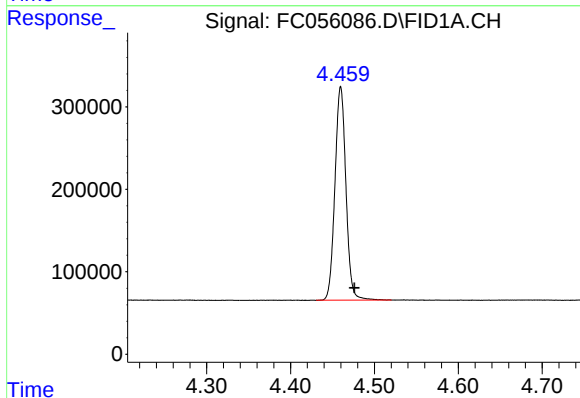
#1 n-Nonane (C9)

R.T.: 3.390 min
Delta R.T.: -0.016 min
Response: 2336195
Conc: 21.89 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

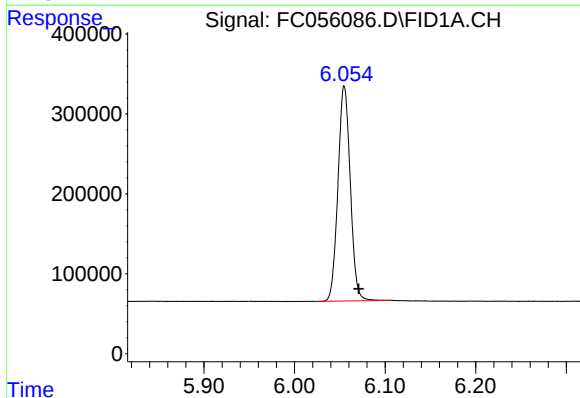
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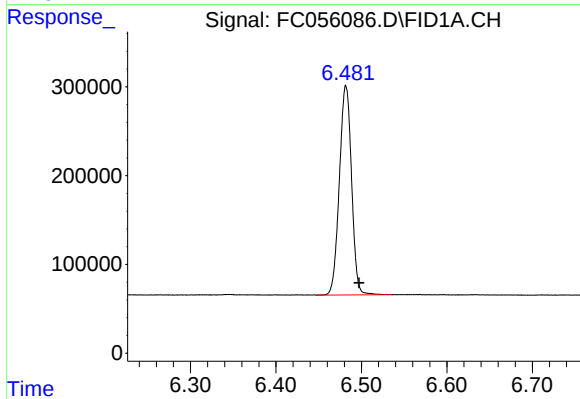
#2 n-Decane (C10)

R.T.: 4.460 min
Delta R.T.: -0.016 min
Response: 2363535
Conc: 22.11 ug/ml



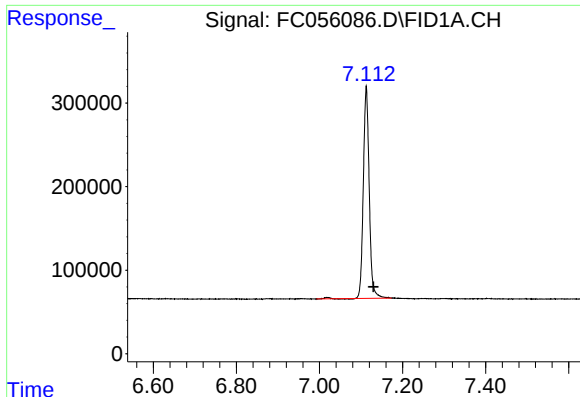
#3 A~Naphthalene (C11.7)

R.T.: 6.055 min
Delta R.T.: -0.016 min
Response: 2549116
Conc: 21.19 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.482 min
Delta R.T.: -0.015 min
Response: 2338209
Conc: 21.54 ug/ml



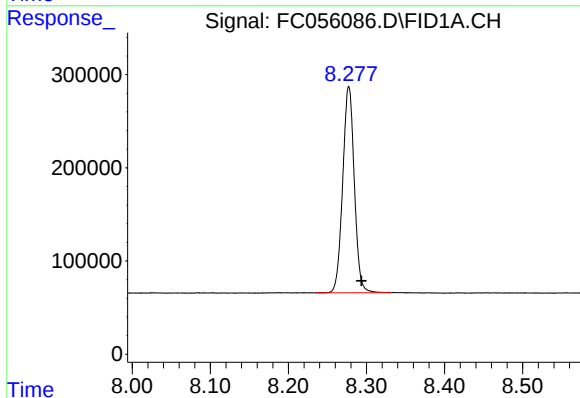
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.113 min
Delta R.T.: -0.017 min
Response: 2498633
Conc: 20.57 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

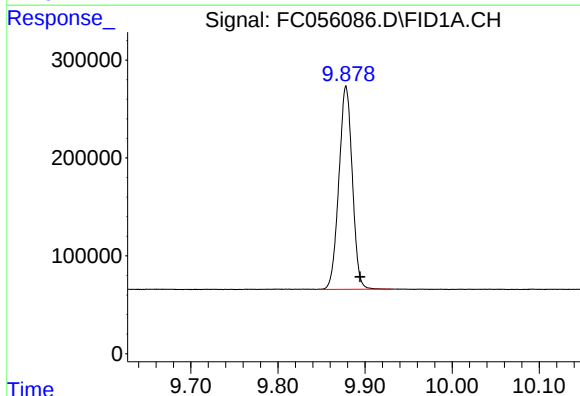
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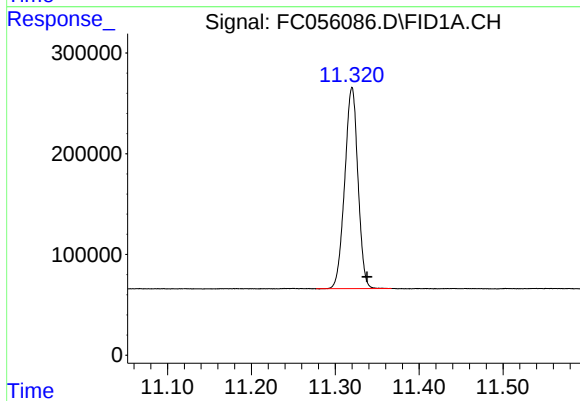
#6 n-Tetradecane (C14)

R.T.: 8.277 min
Delta R.T.: -0.016 min
Response: 2288138
Conc: 20.68 ug/ml



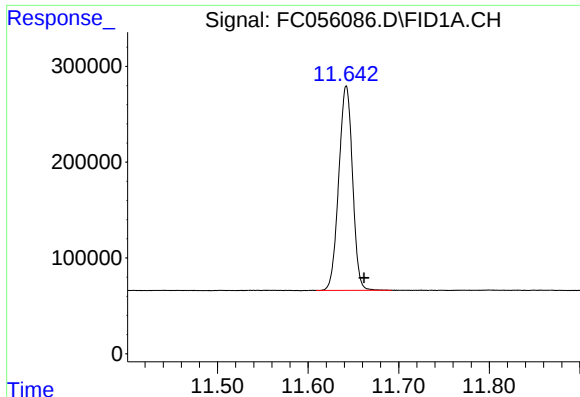
#7 n-Hexadecane (C16)

R.T.: 9.878 min
Delta R.T.: -0.016 min
Response: 2219795
Conc: 20.05 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.320 min
Delta R.T.: -0.018 min
Response: 2190555
Conc: 19.57 ug/ml



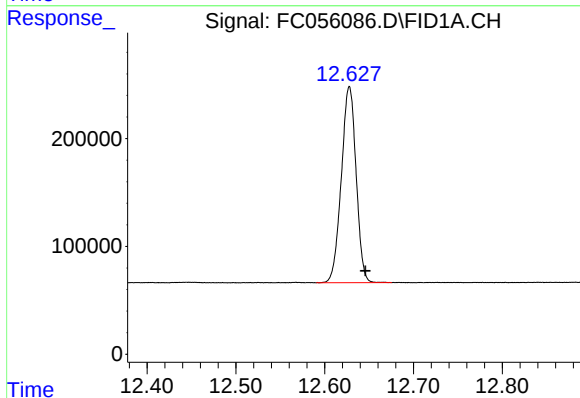
#9 ortho-Terphenyl (SURR)

R.T.: 11.642 min
Delta R.T.: -0.020 min
Response: 2254258
Conc: 19.00 ug/ml

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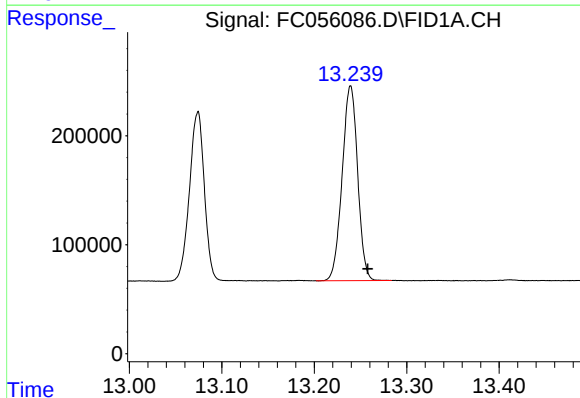
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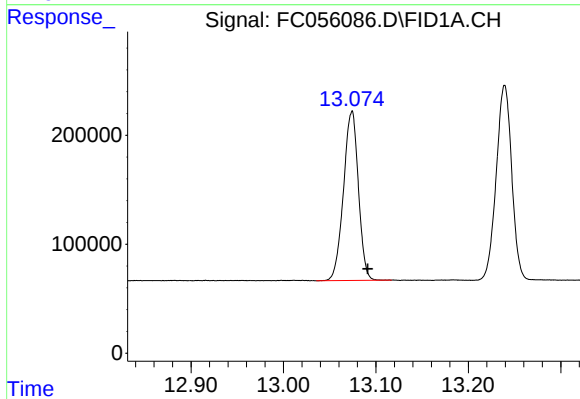
#10 n-Eicosane (C20)

R.T.: 12.628 min
Delta R.T.: -0.018 min
Response: 2100666
Conc: 19.23 ug/ml



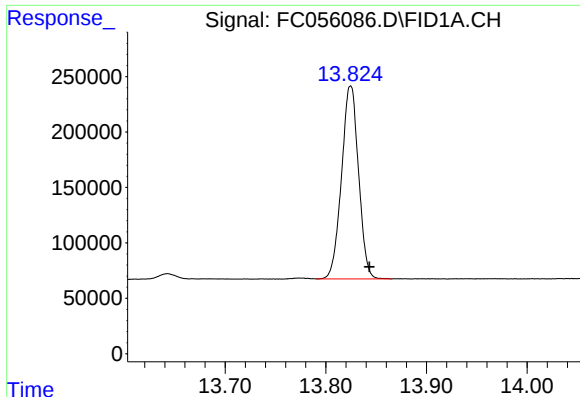
#11 n-Heneicosane (C21)

R.T.: 13.239 min
Delta R.T.: -0.019 min
Response: 2082933
Conc: 19.16 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.074 min
Delta R.T.: -0.017 min
Response: 1741880
Conc: 18.96 ug/ml



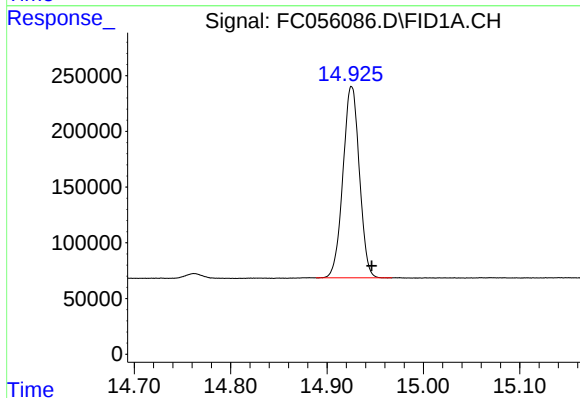
#13 n-Docosane (C22)

R.T.: 13.825 min
Delta R.T.: -0.019 min
Response: 2043681
Conc: 19.14 ug/ml

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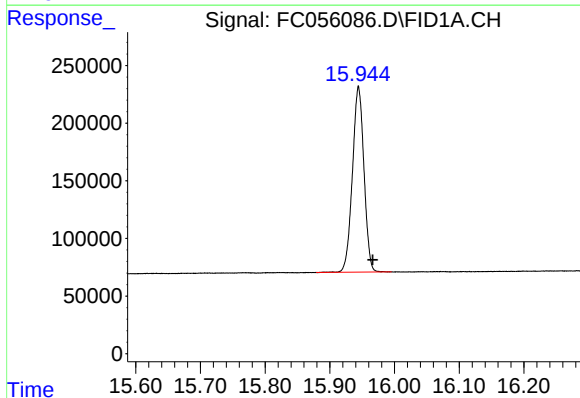
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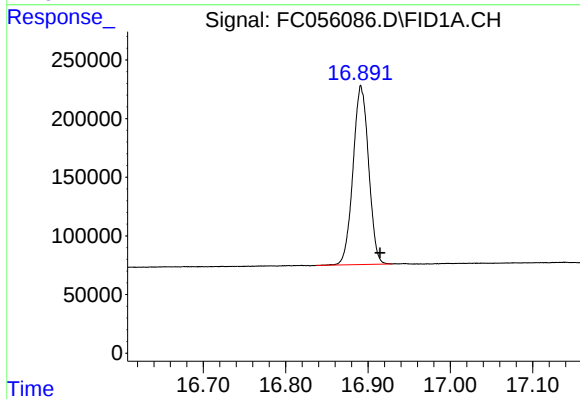
#14 n-Tetracosane (C24)

R.T.: 14.926 min
Delta R.T.: -0.021 min
Response: 2025673
Conc: 19.37 ug/ml



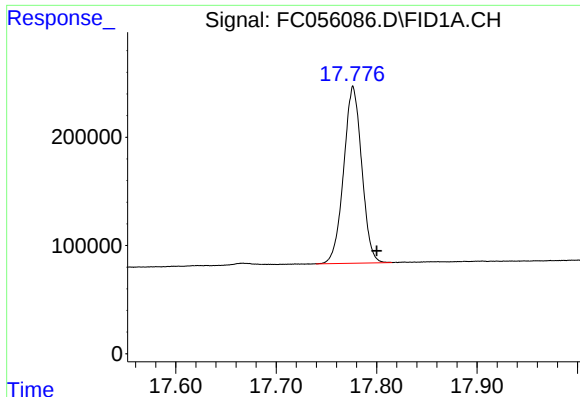
#15 n-Hexacosane (C26)

R.T.: 15.944 min
Delta R.T.: -0.022 min
Response: 1994673
Conc: 19.85 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.892 min
Delta R.T.: -0.023 min
Response: 1998197
Conc: 20.66 ug/ml



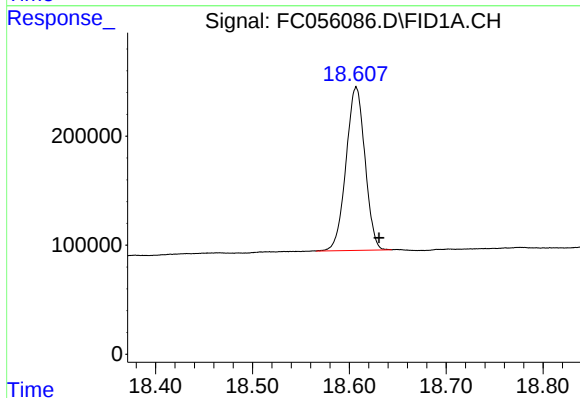
#17 n-Tricontane (C30)

R.T.: 17.776 min
Delta R.T.: -0.024 min
Response: 2040917
Conc: 22.00 ug/ml m

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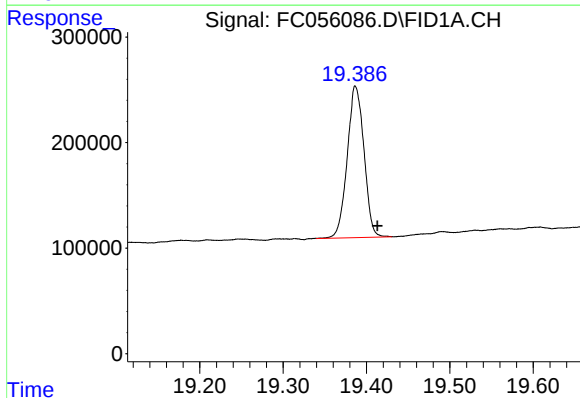
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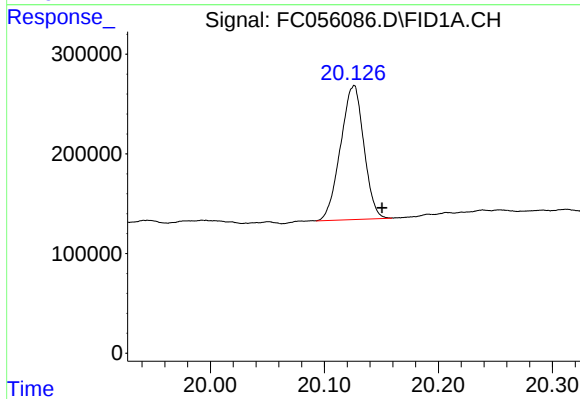
#18 n-Dotriacontane (C32)

R.T.: 18.607 min
Delta R.T.: -0.024 min
Response: 2033417
Conc: 22.87 ug/ml m



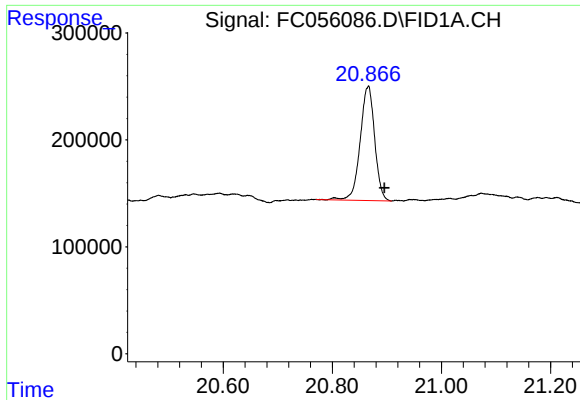
#19 n-Tetratriacontane (C34)

R.T.: 19.386 min
Delta R.T.: -0.027 min
Response: 2003569
Conc: 23.17 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.126 min
Delta R.T.: -0.025 min
Response: 1909182
Conc: 23.37 ug/ml m



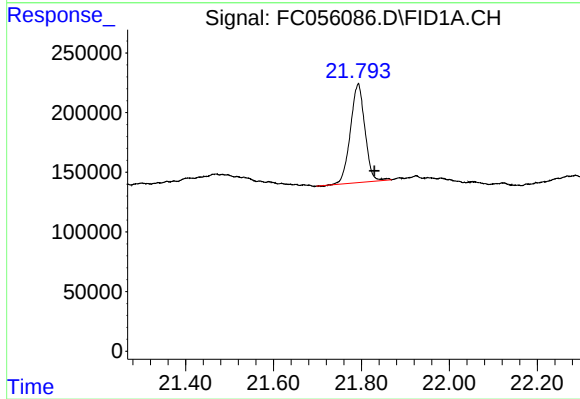
#21 n-Octatriacontane (C38)

R.T.: 20.865 min
Delta R.T.: -0.030 min
Response: 1973933
Conc: 24.77 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.793 min
Delta R.T.: -0.037 min
Response: 1886259
Conc: 23.53 ug/ml