

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC112421AL\
 Data File : FC057063.D
 Signal(s) : FID1A.CH
 Acq On : 24 Nov 2021 14:56
 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

Reviewed By :Ankita Jodhani 11/26/2021
 Supervised By :mohammad ahmed 11/26/2021

Integration File: autoint1.e
 Quant Time: Nov 25 02:06:23 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111921.M
 Quant Title : GC Extractables
 Qlast Update : Fri Nov 19 00:52:49 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)	11.594	2305853	19.870 ug/ml
Spiked Amount 50.000		Recovery =	39.74%
12) S 1-chlorooctadecane (S...	13.025	1792825	19.693 ug/ml
Spiked Amount 50.000		Recovery =	39.39%
Target Compounds			
1) T n-Nonane (C9)	3.359	2084791	20.574 ug/ml
2) T n-Decane (C10)	4.424	2099480	20.966 ug/ml
3) T A~Naphthalene (C11.7)	6.012	2333896	20.902 ug/ml
4) T n-Dodecane (C12)	6.441	2148438	21.189 ug/ml
5) T A~2-methylnaphthalene...	7.069	2320717	21.048 ug/ml
6) T n-Tetradecane (C14)	8.234	2153756	21.257 ug/ml
7) T n-Hexadecane (C16)	9.834	2153805	20.989 ug/ml
8) T n-Octadecane (C18)	11.273	2205655	20.587 ug/ml
10) T n-Eicosane (C20)	12.580	2149487	20.097 ug/ml
11) T n-Heneicosane (C21)	13.191	2143915	19.797 ug/ml
13) T n-Docosane (C22)	13.776	2088288	19.492 ug/ml
14) T n-Tetracosane (C24)	14.876	2038547	18.831 ug/ml
15) T n-Hexacosane (C26)	15.892	1937624	18.191 ug/ml
16) T n-Octacosane (C28)	16.839	1896187	17.777 ug/ml
17) T n-Tricontane (C30)	17.724	1883099	17.667 ug/ml
18) T n-Dotriacontane (C32)	18.553	1844056	17.483 ug/ml
19) T n-Tetratriacontane (C34)	19.331	1827468	17.591 ug/mlm
20) T n-Hexatriacontane (C36)	20.069	1761307	17.437 ug/mlm
21) T n-Octatriacontane (C38)	20.800	1853099	20.187 ug/ml
22) T n-Tetracontane (C40)	21.706	1789652	19.866 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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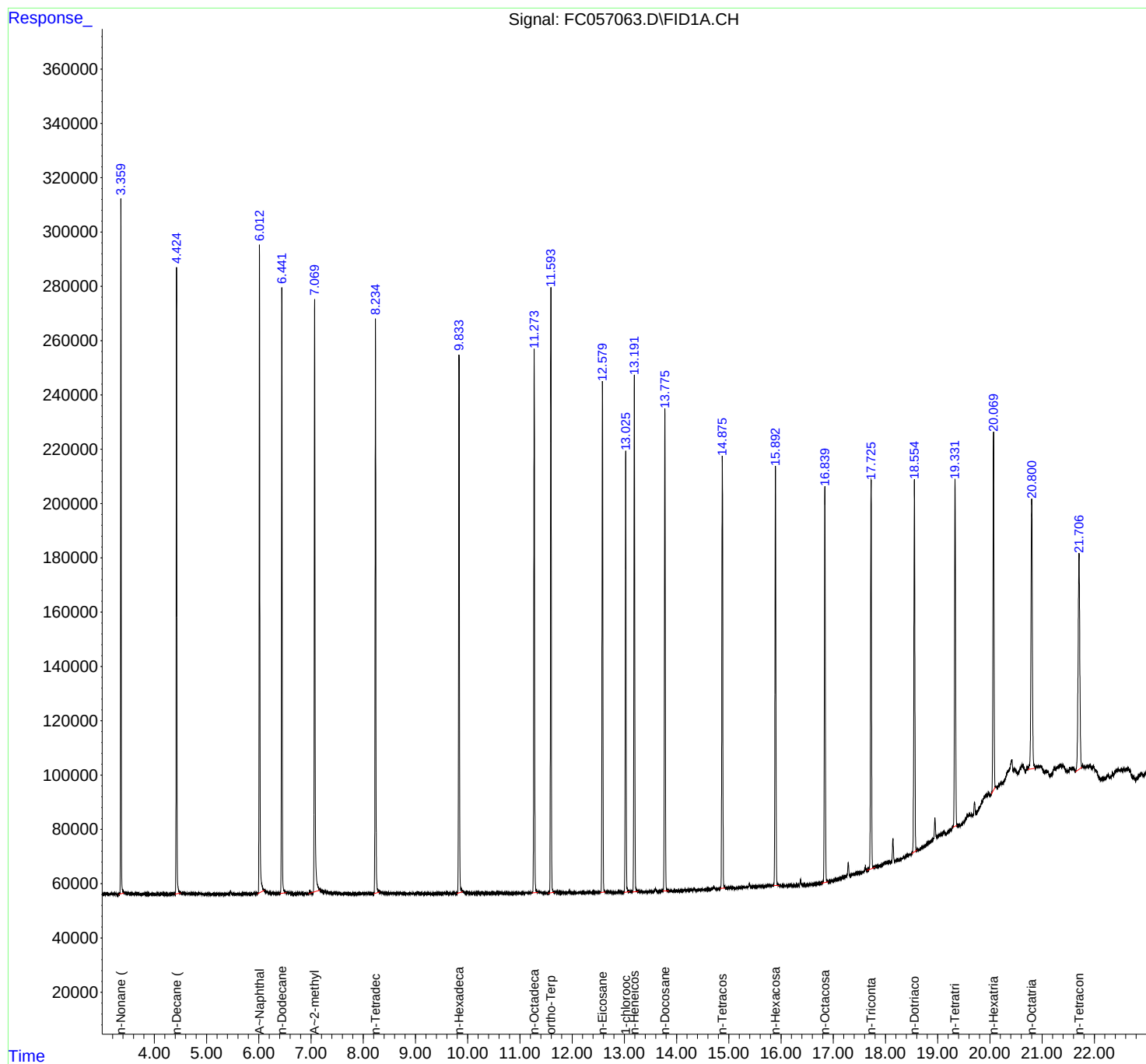
Instrument :
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20 PPM ALIPHATIC HC STD

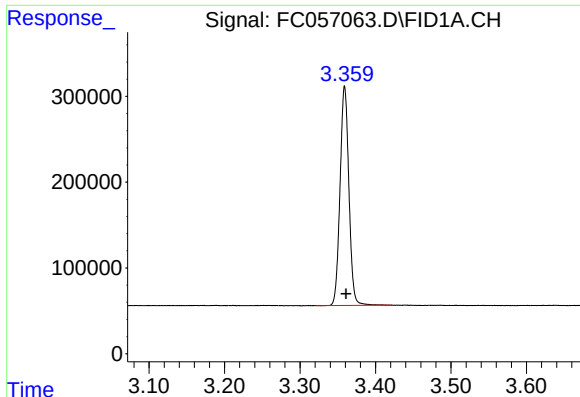
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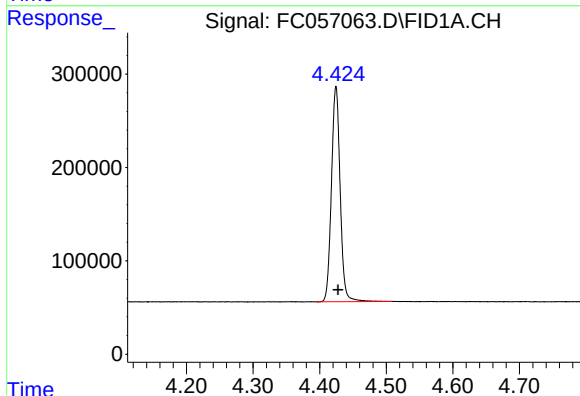
#1 n-Nonane (C9)

R.T.: 3.359 min
Delta R.T.: -0.002 min
Response: 2084791
Conc: 20.57 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

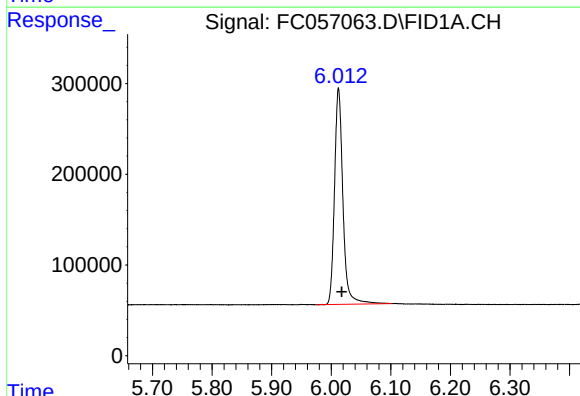
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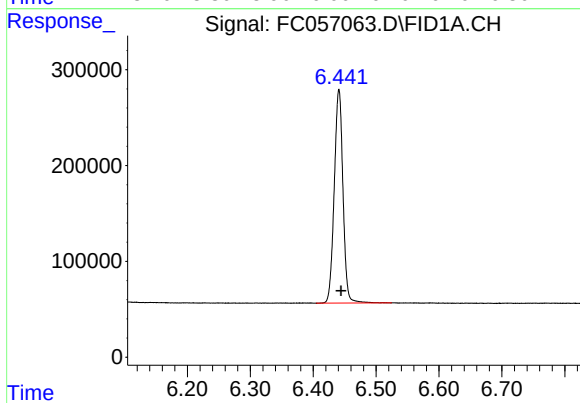
#2 n-Decane (C10)

R.T.: 4.424 min
Delta R.T.: -0.003 min
Response: 2099480
Conc: 20.97 ug/ml



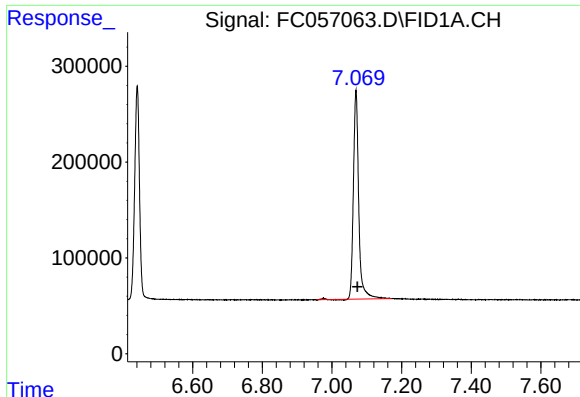
#3 A~Naphthalene (C11.7)

R.T.: 6.012 min
Delta R.T.: -0.005 min
Response: 2333896
Conc: 20.90 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.441 min
Delta R.T.: -0.003 min
Response: 2148438
Conc: 21.19 ug/ml



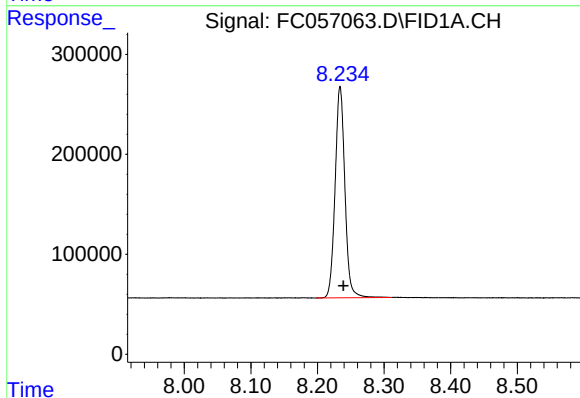
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.069 min
Delta R.T.: -0.005 min
Response: 2320717
Conc: 21.05 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

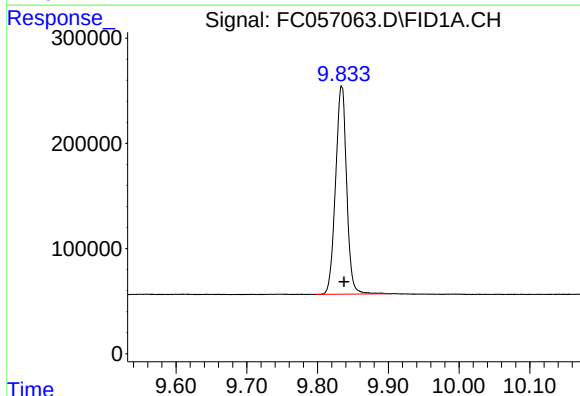
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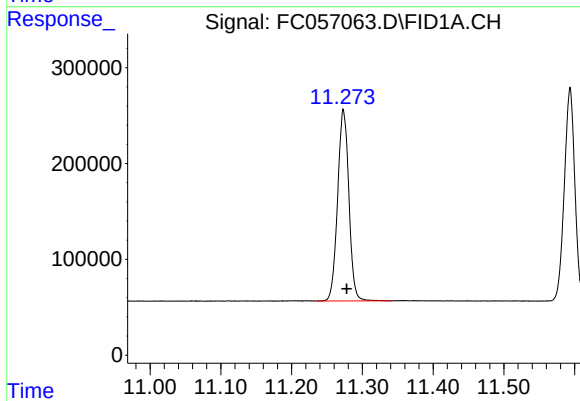
#6 n-Tetradecane (C14)

R.T.: 8.234 min
Delta R.T.: -0.005 min
Response: 2153756
Conc: 21.26 ug/ml



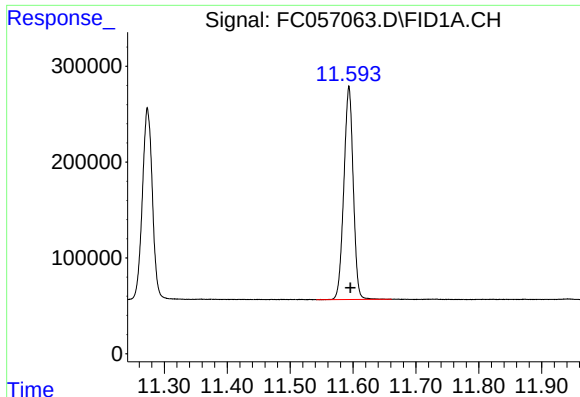
#7 n-Hexadecane (C16)

R.T.: 9.834 min
Delta R.T.: -0.004 min
Response: 2153805
Conc: 20.99 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.273 min
Delta R.T.: -0.004 min
Response: 2205655
Conc: 20.59 ug/ml



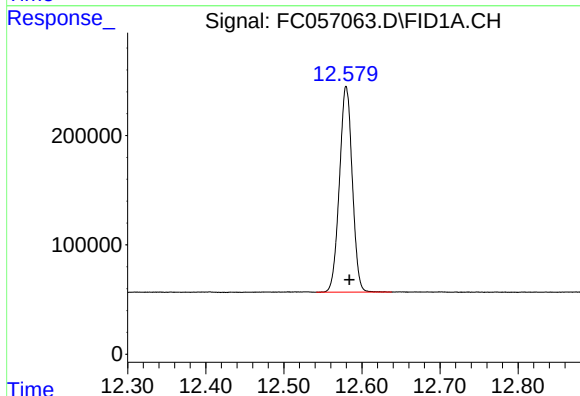
#9 ortho-Terphenyl (SURR)

R.T.: 11.594 min
Delta R.T.: -0.002 min
Response: 2305853
Conc: 19.87 ug/ml

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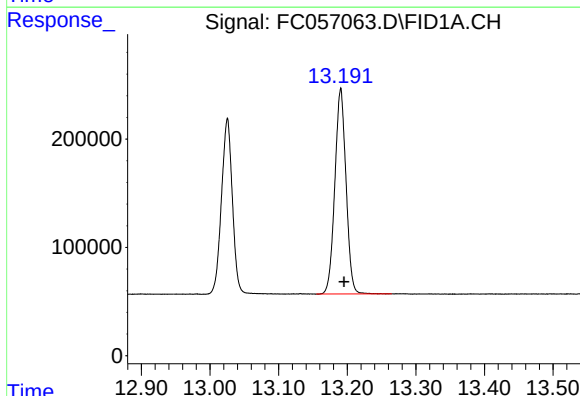
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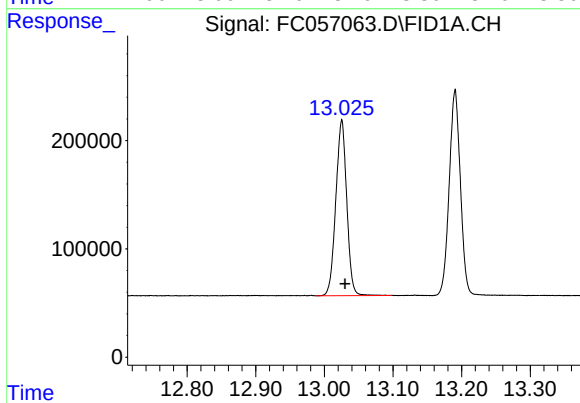
#10 n-Eicosane (C20)

R.T.: 12.580 min
Delta R.T.: -0.004 min
Response: 2149487
Conc: 20.10 ug/ml



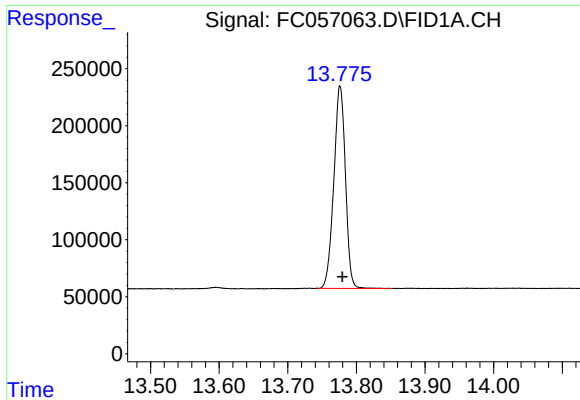
#11 n-Heneicosane (C21)

R.T.: 13.191 min
Delta R.T.: -0.005 min
Response: 2143915
Conc: 19.80 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.025 min
Delta R.T.: -0.005 min
Response: 1792825
Conc: 19.69 ug/ml



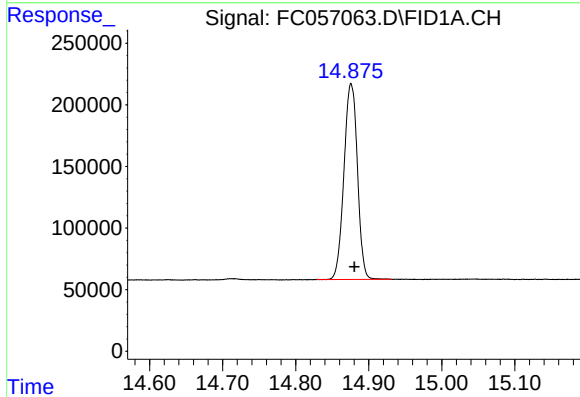
#13 n-Docosane (C22)

R.T.: 13.776 min
Delta R.T.: -0.004 min
Response: 2088288
Conc: 19.49 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

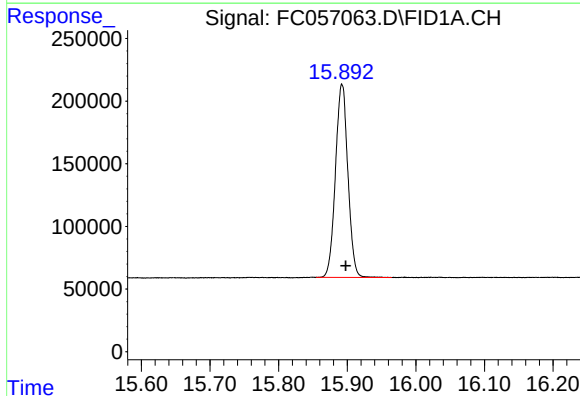
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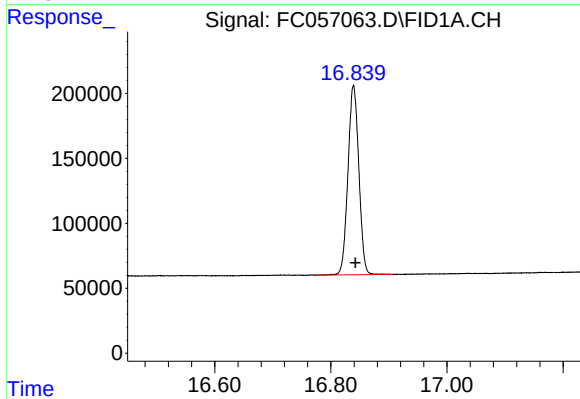
#14 n-Tetracosane (C24)

R.T.: 14.876 min
Delta R.T.: -0.005 min
Response: 2038547
Conc: 18.83 ug/ml



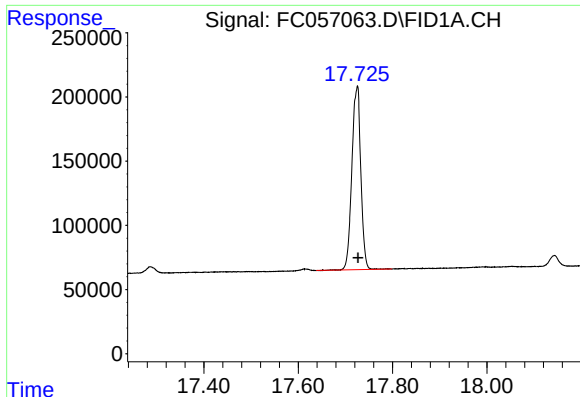
#15 n-Hexacosane (C26)

R.T.: 15.892 min
Delta R.T.: -0.006 min
Response: 1937624
Conc: 18.19 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.839 min
Delta R.T.: -0.003 min
Response: 1896187
Conc: 17.78 ug/ml



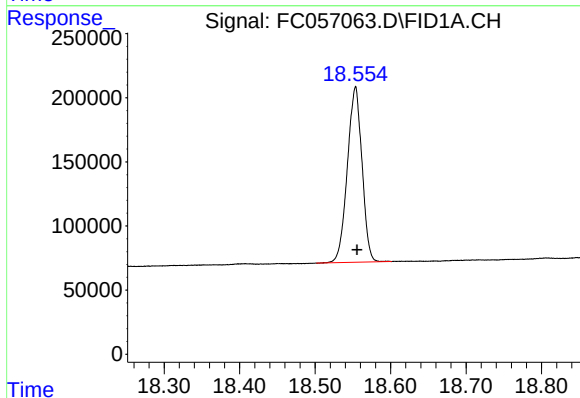
#17 n-Tricontane (C30)

R.T.: 17.724 min
Delta R.T.: -0.003 min
Response: 1883099
Conc: 17.67 ug/ml

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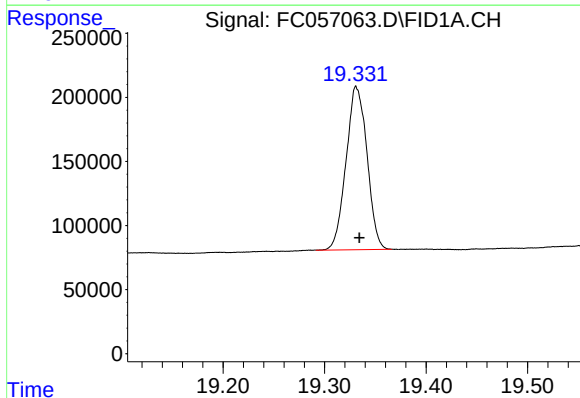
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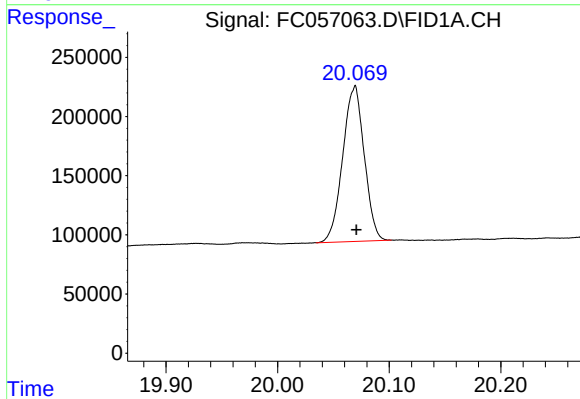
#18 n-Dotriacontane (C32)

R.T.: 18.553 min
Delta R.T.: -0.002 min
Response: 1844056
Conc: 17.48 ug/ml



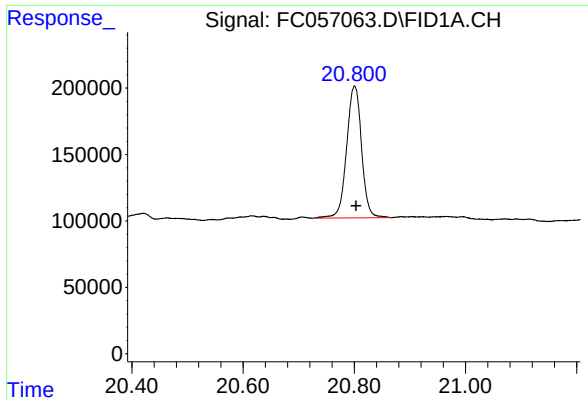
#19 n-Tetratriacontane (C34)

R.T.: 19.331 min
Delta R.T.: -0.004 min
Response: 1827468
Conc: 17.59 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.069 min
Delta R.T.: -0.001 min
Response: 1761307
Conc: 17.44 ug/ml m



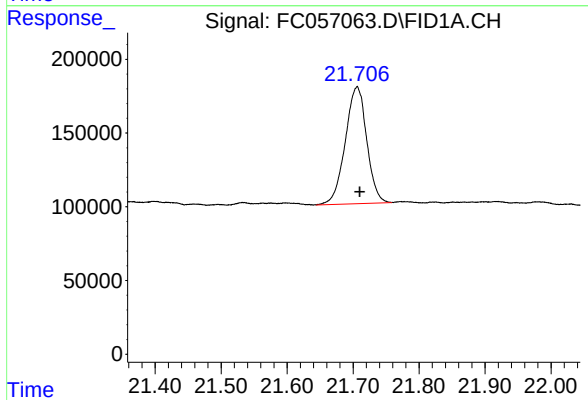
#21 n-Octatriacontane (C38)

R.T.: 20.800 min
Delta R.T.: -0.002 min
Response: 1853099
Conc: 20.19 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.706 min
Delta R.T.: -0.004 min
Response: 1789652
Conc: 19.87 ug/ml m