

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC090221AL\
 Data File : FC055510.D
 Signal(s) : FID1A.CH
 Acq On : 03 Sep 2021 5:50
 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
 9/7/2021 8:07:03 AM

Integration File: autoint1.e
 Quant Time: Sep 03 06:45:03 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 083021.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 31 01:45:39 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)	11.658	2403256	19.237 ug/ml
Spiked Amount 50.000		Recovery =	38.47%
12) S 1-chlorooctadecane (S...	13.092	1836808	18.560 ug/ml
Spiked Amount 50.000		Recovery =	37.12%
Target Compounds			
1) T n-Nonane (C9)	3.400	2384345	22.058 ug/ml
2) T n-Decane (C10)	4.470	2445676	22.429 ug/ml
3) T A~Naphthalene (C11.7)	6.064	2709210	21.986 ug/ml
4) T n-Dodecane (C12)	6.493	2441981	22.302 ug/ml
5) T A~2-methylnaphthalene...	7.122	2716233	21.826 ug/ml
6) T n-Tetradecane (C14)	8.291	2436303	21.875 ug/ml
7) T n-Hexadecane (C16)	9.894	2385642	21.109 ug/ml
8) T n-Octadecane (C18)	11.336	2345931	20.149 ug/ml
10) T n-Eicosane (C20)	12.646	2226560	19.055 ug/ml
11) T n-Heneicosane (C21)	13.258	2191640	18.621 ug/ml
13) T n-Docosane (C22)	13.845	2117698	18.154 ug/ml
14) T n-Tetracosane (C24)	14.948	2016747	17.317 ug/ml
15) T n-Hexacosane (C26)	15.968	1890623	16.689 ug/ml
16) T n-Octacosane (C28)	16.917	1839339	16.622 ug/ml
17) T n-Tricontane (C30)	17.804	1818400	17.101 ug/ml
18) T n-Dotriacontane (C32)	18.637	1797717	17.938 ug/ml
19) T n-Tetratriacontane (C34)	19.420	1790590	18.972 ug/mlm
20) T n-Hexatriacontane (C36)	20.158	1822759	20.993 ug/mlm
21) T n-Octatriacontane (C38)	20.910	1721470	21.120 ug/mlm
22) T n-Tetracontane (C40)	21.846	1863197	23.198 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

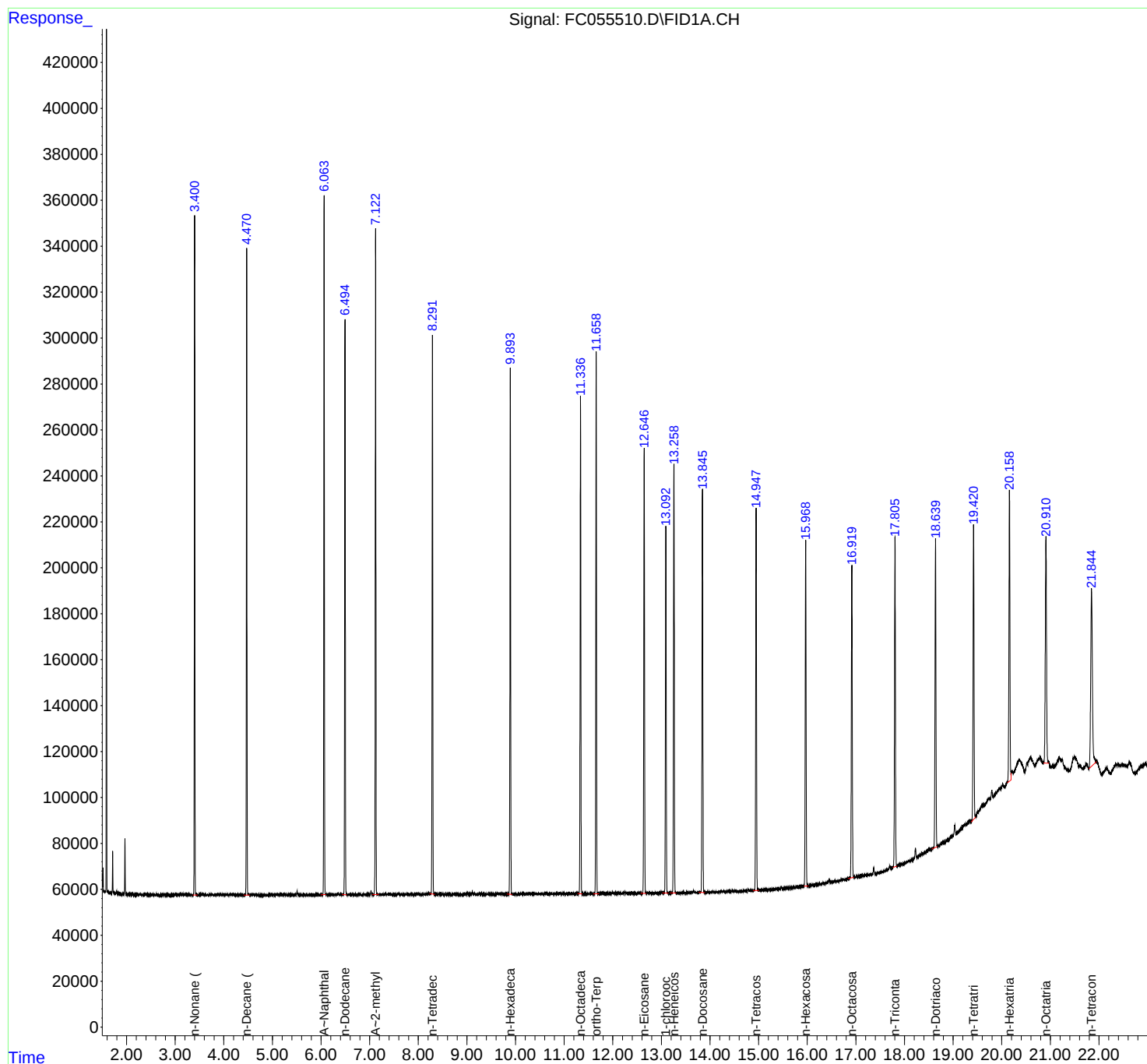
Instrument :
FID_C
ClientSampled :
20 PPM ALIPHATIC HC STD

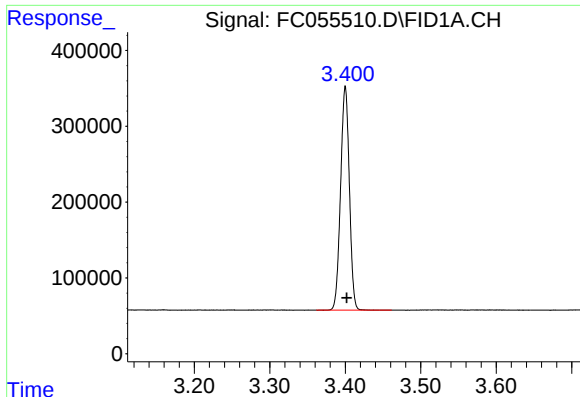
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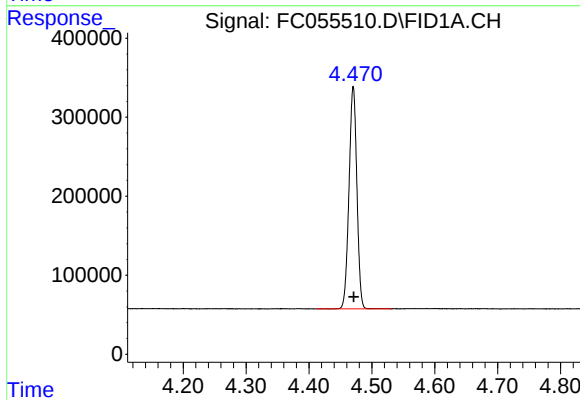
#1 n-Nonane (C9)

R.T.: 3.400 min
Delta R.T.: -0.002 min
Response: 2384345
Conc: 22.06 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

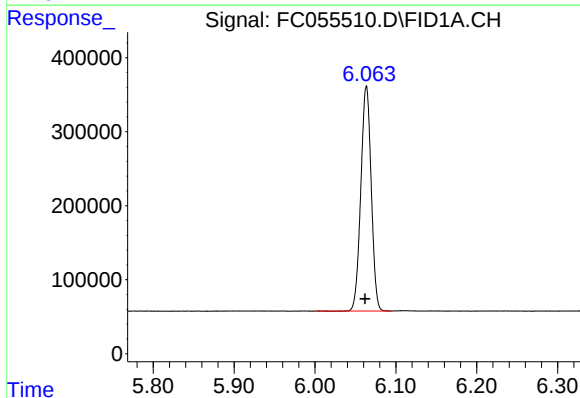
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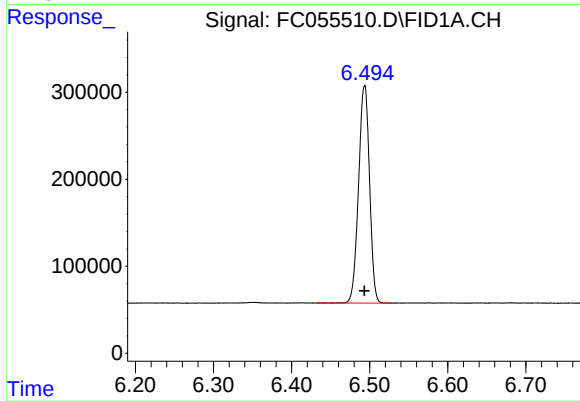
#2 n-Decane (C10)

R.T.: 4.470 min
Delta R.T.: 0.000 min
Response: 2445676
Conc: 22.43 ug/ml



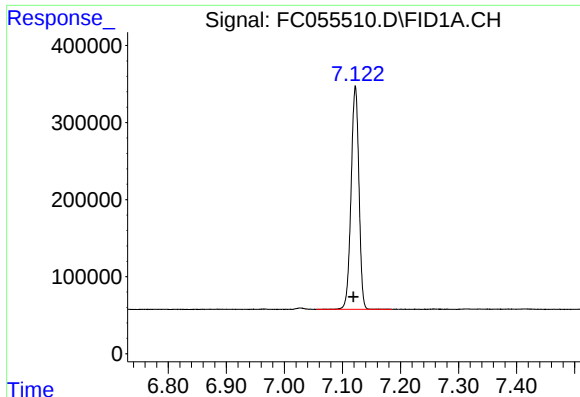
#3 A~Naphthalene (C11.7)

R.T.: 6.064 min
Delta R.T.: 0.002 min
Response: 2709210
Conc: 21.99 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.493 min
Delta R.T.: 0.000 min
Response: 2441981
Conc: 22.30 ug/ml



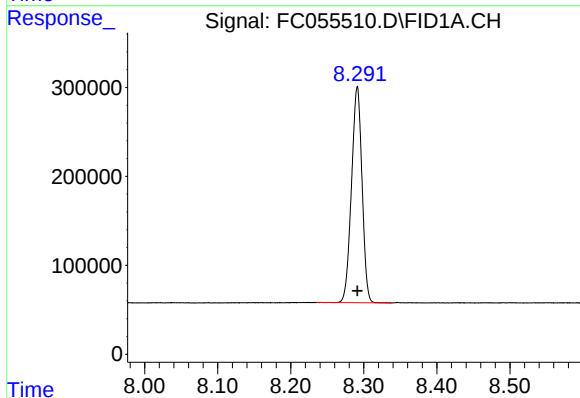
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.122 min
Delta R.T.: 0.003 min
Response: 2716233
Conc: 21.83 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

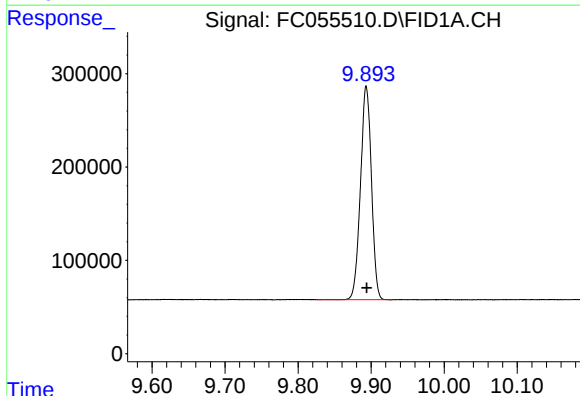
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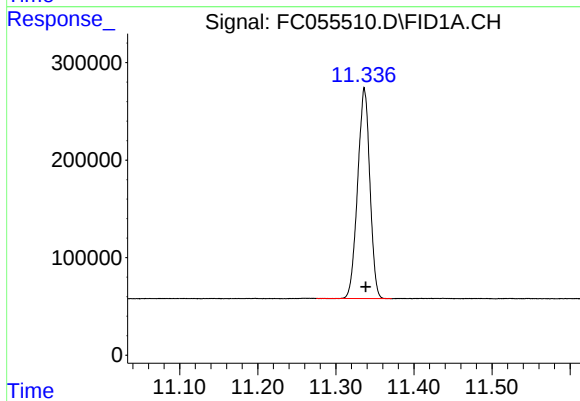
#6 n-Tetradecane (C14)

R.T.: 8.291 min
Delta R.T.: 0.000 min
Response: 2436303
Conc: 21.87 ug/ml



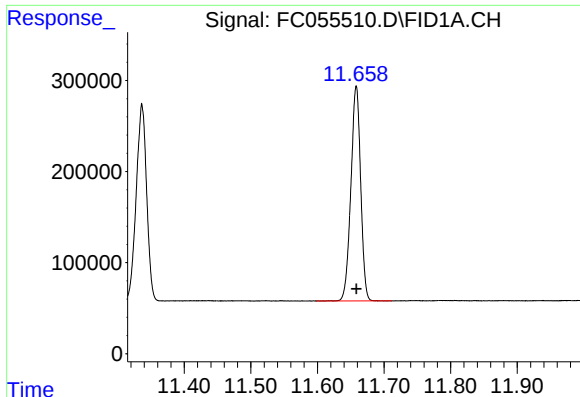
#7 n-Hexadecane (C16)

R.T.: 9.894 min
Delta R.T.: 0.000 min
Response: 2385642
Conc: 21.11 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.336 min
Delta R.T.: -0.002 min
Response: 2345931
Conc: 20.15 ug/ml



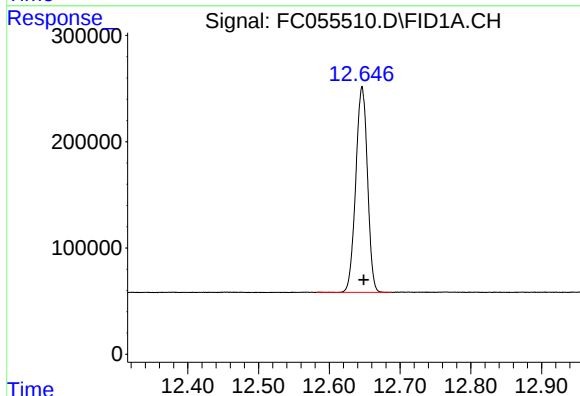
#9 ortho-Terphenyl (SURR)

R.T.: 11.658 min
Delta R.T.: 0.000 min
Response: 2403256
Conc: 19.24 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

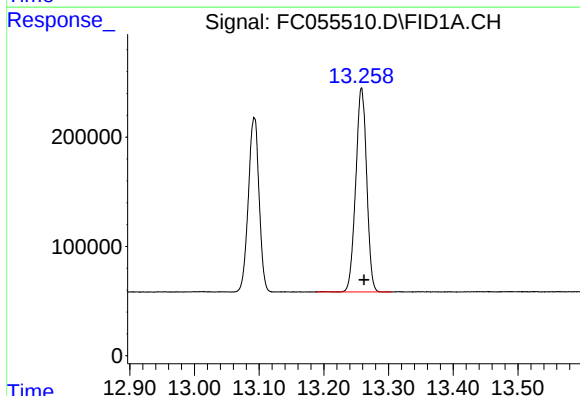
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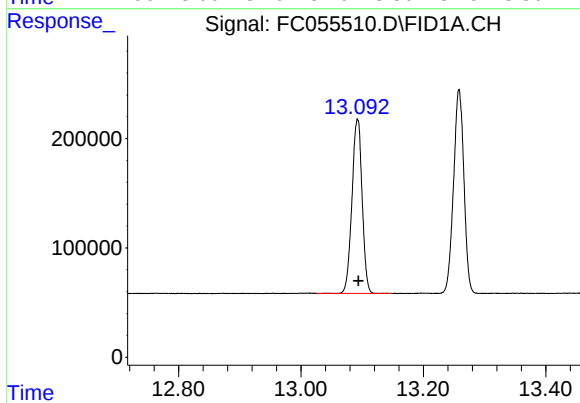
#10 n-Eicosane (C20)

R.T.: 12.646 min
Delta R.T.: -0.003 min
Response: 2226560
Conc: 19.06 ug/ml



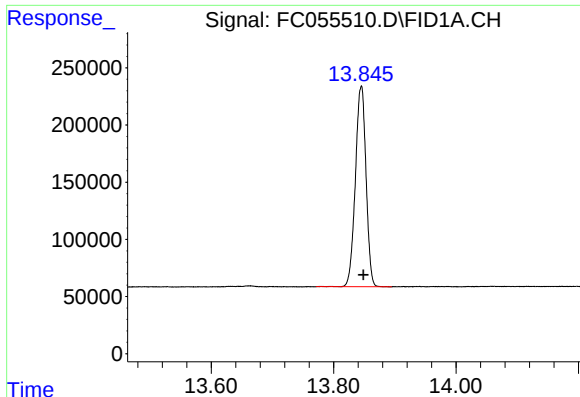
#11 n-Heneicosane (C21)

R.T.: 13.258 min
Delta R.T.: -0.004 min
Response: 2191640
Conc: 18.62 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.092 min
Delta R.T.: -0.002 min
Response: 1836808
Conc: 18.56 ug/ml



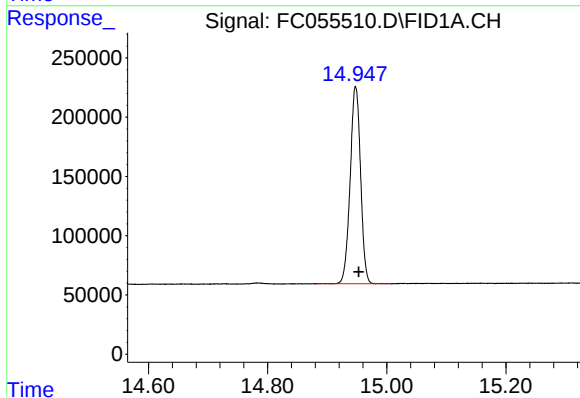
#13 n-Docosane (C22)

R.T.: 13.845 min
Delta R.T.: -0.004 min
Response: 2117698
Conc: 18.15 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

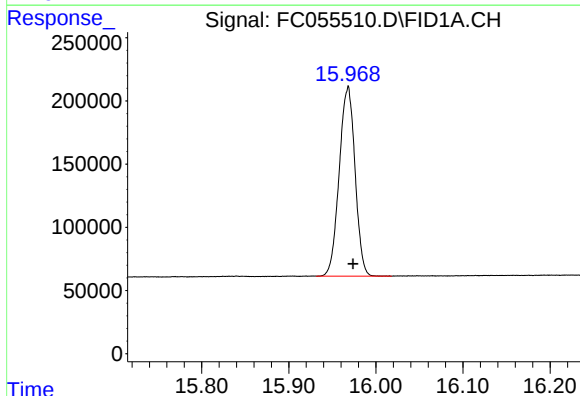
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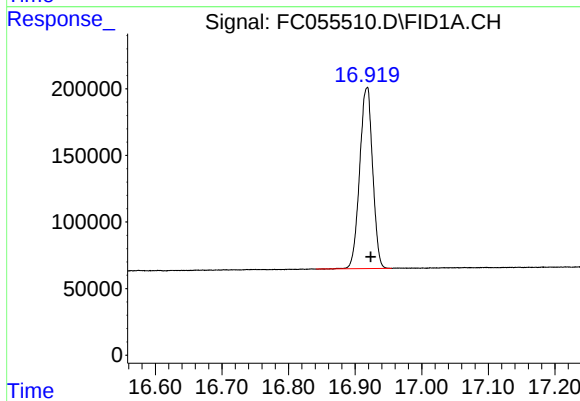
#14 n-Tetracosane (C24)

R.T.: 14.948 min
Delta R.T.: -0.005 min
Response: 2016747
Conc: 17.32 ug/ml



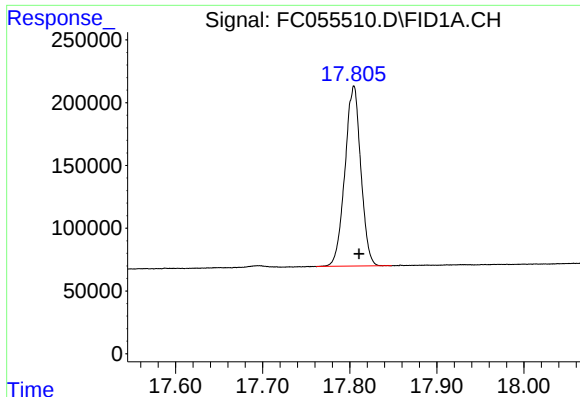
#15 n-Hexacosane (C26)

R.T.: 15.968 min
Delta R.T.: -0.006 min
Response: 1890623
Conc: 16.69 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.917 min
Delta R.T.: -0.006 min
Response: 1839339
Conc: 16.62 ug/ml



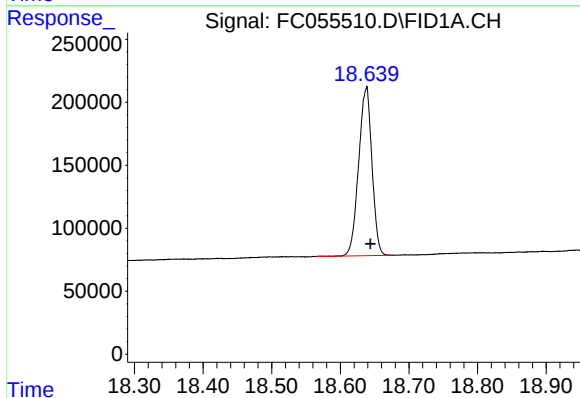
#17 n-Tricontane (C30)

R.T.: 17.804 min
Delta R.T.: -0.007 min
Response: 1818400
Conc: 17.10 ug/ml

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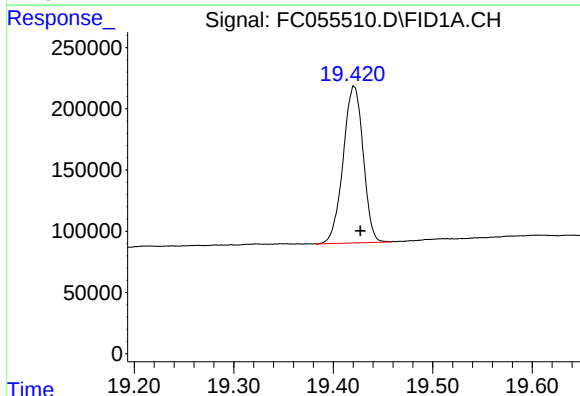
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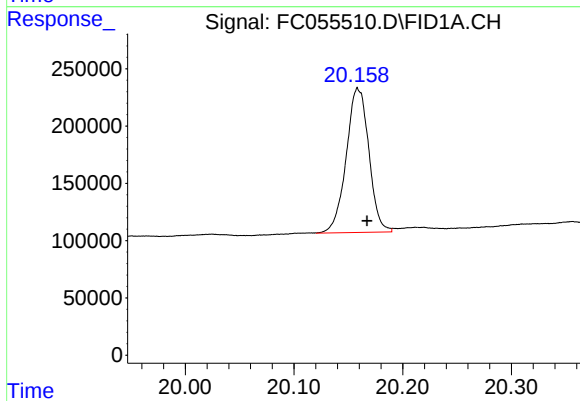
#18 n-Dotriacontane (C32)

R.T.: 18.637 min
Delta R.T.: -0.007 min
Response: 1797717
Conc: 17.94 ug/ml



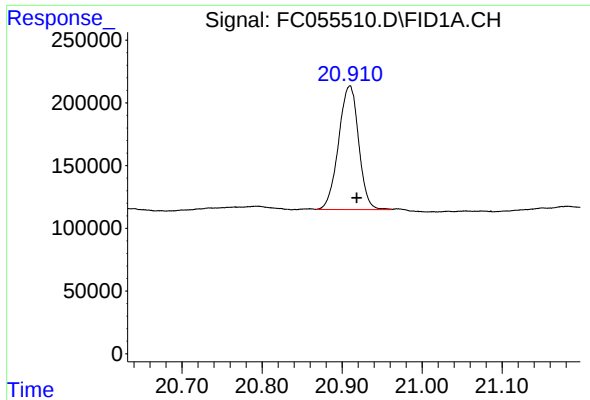
#19 n-Tetratriacontane (C34)

R.T.: 19.420 min
Delta R.T.: -0.008 min
Response: 1790590
Conc: 18.97 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.158 min
Delta R.T.: -0.009 min
Response: 1822759
Conc: 20.99 ug/ml m



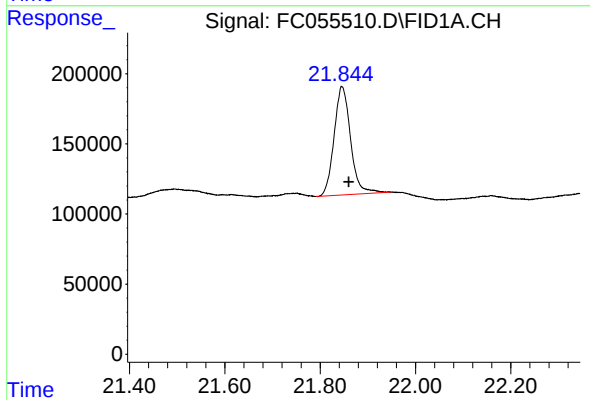
#21 n-Octatriacontane (C38)

R.T.: 20.910 min
Delta R.T.: -0.008 min
Response: 1721470
Conc: 21.12 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.846 min
Delta R.T.: -0.014 min
Response: 1863197
Conc: 23.20 ug/ml