

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC121621AL\
 Data File : FC057553.D
 Signal(s) : FID1A.CH
 Acq On : 17 Dec 2021 4:33
 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 :Yogesh Patel 12/17/2021
 Supervised By :Ankita Jodhani 12/17/2021

Integration File: sample.E
 Quant Time: Dec 17 05:24:39 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121421.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 14 20:43:13 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)	10.816	2692414	19.348 ug/ml
Spiked Amount 50.000		Recovery =	38.70%
12) S 1-chlorooctadecane (S...	12.253	2066812	18.664 ug/mlm
Spiked Amount 50.000		Recovery =	37.33%
Target Compounds			
1) T n-Nonane (C9)	2.683	2528394	20.465 ug/ml
2) T n-Decane (C10)	3.687	2566814	20.608 ug/ml
3) T A~Naphthalene (C11.7)	5.243	2879688	20.757 ug/mlm
4) T n-Dodecane (C12)	5.674	2568960	20.802 ug/ml
5) T A~2-methylnaphthalene...	6.291	2918065	20.867 ug/ml
6) T n-Tetradecane (C14)	7.463	2556868	20.649 ug/mlm
7) T n-Hexadecane (C16)	9.062	2543876	20.288 ug/ml
8) T n-Octadecane (C18)	10.503	2561430	19.789 ug/ml
10) T n-Eicosane (C20)	11.811	2488323	19.154 ug/ml
11) T n-Heneicosane (C21)	12.422	2463481	18.770 ug/mlm
13) T n-Docosane (C22)	13.009	2422694	18.432 ug/ml
14) T n-Tetracosane (C24)	14.110	2350071	17.669 ug/mlm
15) T n-Hexacosane (C26)	15.130	2250718	17.164 ug/mlm
16) T n-Octacosane (C28)	16.079	2221720	16.895 ug/mlm
17) T n-Tricontane (C30)	16.967	2300265	16.831 ug/mlm
18) T n-Dotriacontane (C32)	17.800	2407393	17.955 ug/mlm
19) T n-Tetratriacontane (C34)	18.585	2320751	17.798 ug/mlm
20) T n-Hexatriacontane (C36)	19.325	2299785	19.368 ug/mlm
21) T n-Octatriacontane (C38)	20.050	2197892	20.012 ug/mlm
22) T n-Tetracontane (C40)	20.929	1945464	19.485 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

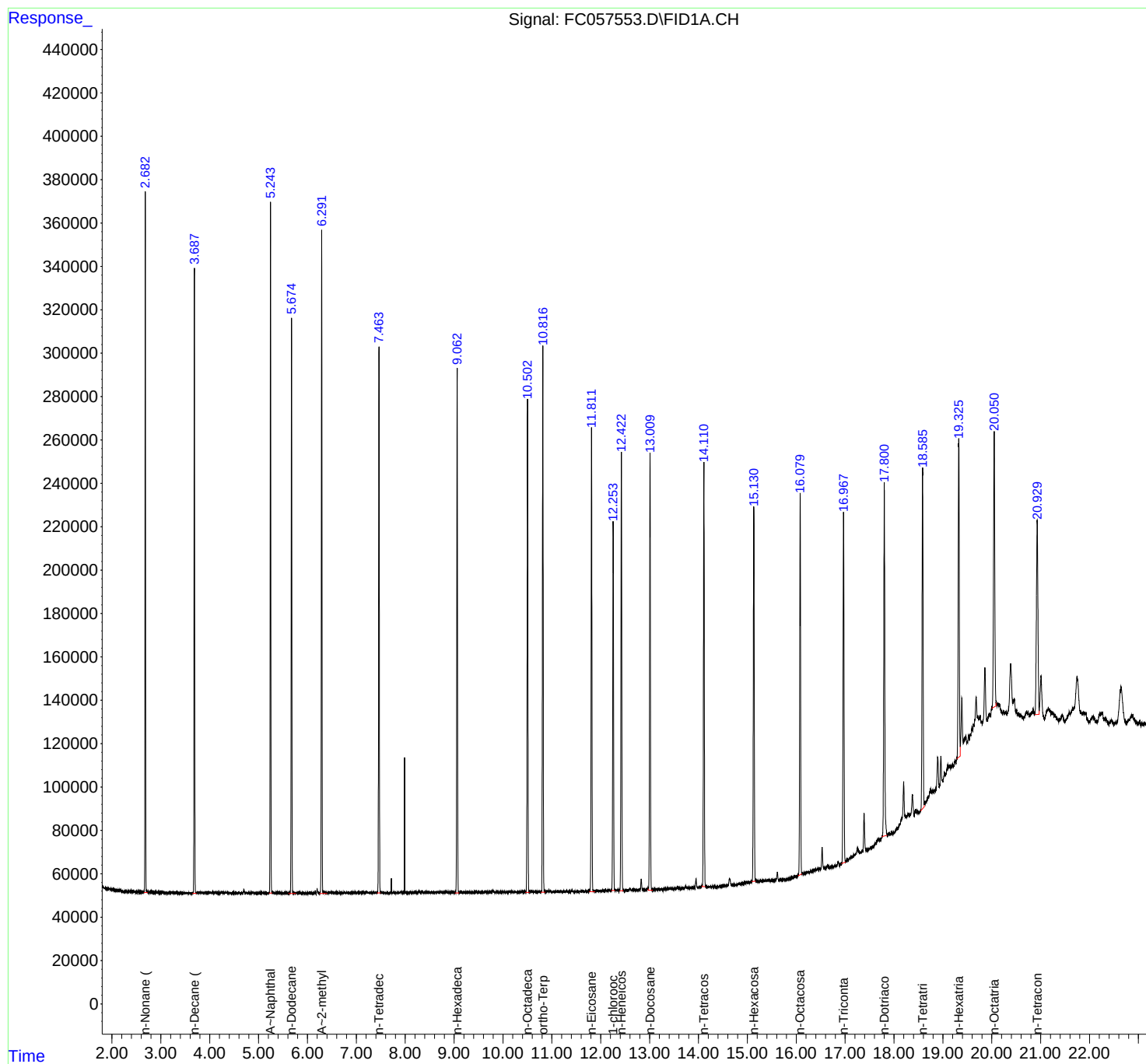
Instrument :
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20 PPM ALIPHATIC HC STD

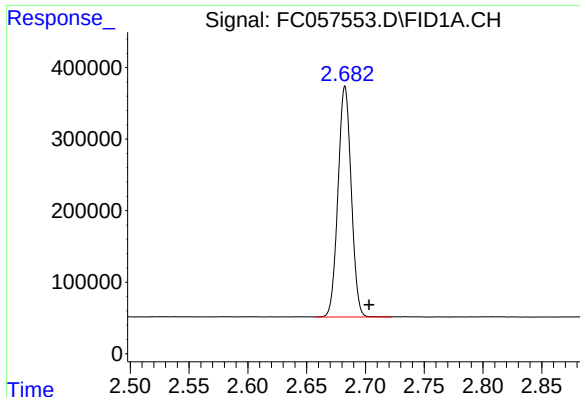
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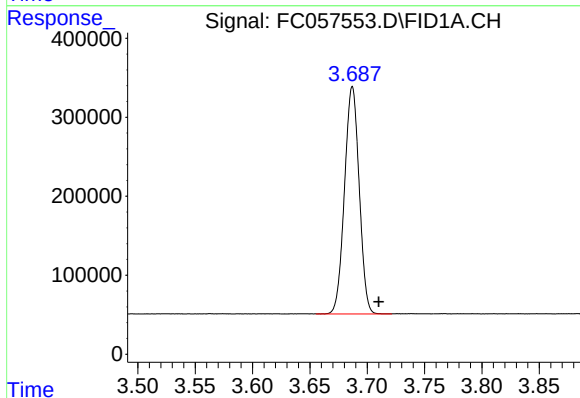
#1 n-Nonane (C9)

R.T.: 2.683 min
Delta R.T.: -0.020 min
Response: 2528394
Conc: 20.46 ug/ml

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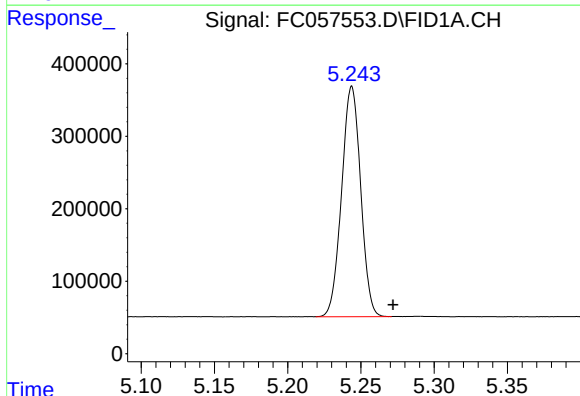
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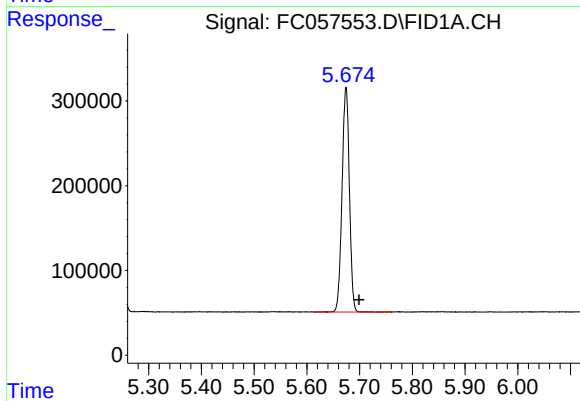
#2 n-Decane (C10)

R.T.: 3.687 min
Delta R.T.: -0.023 min
Response: 2566814
Conc: 20.61 ug/ml



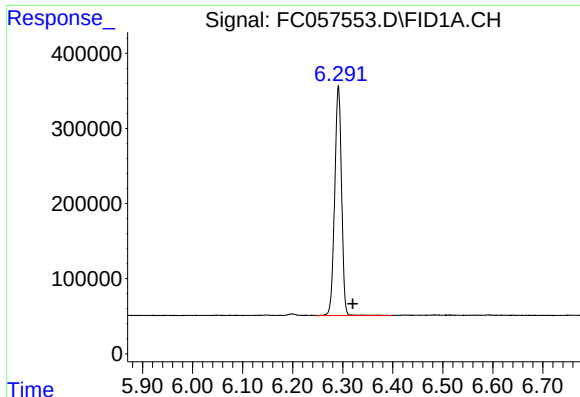
#3 A~Naphthalene (C11.7)

R.T.: 5.243 min
Delta R.T.: -0.029 min
Response: 2879688
Conc: 20.76 ug/ml m



#4 n-Dodecane (C12)

R.T.: 5.674 min
Delta R.T.: -0.025 min
Response: 2568960
Conc: 20.80 ug/ml



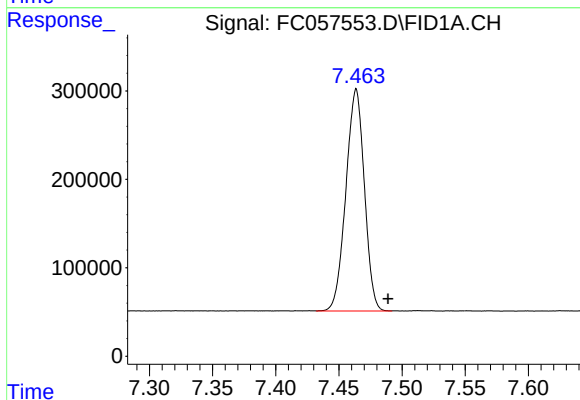
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.291 min
Delta R.T.: -0.029 min
Response: 2918065
Conc: 20.87 ug/ml

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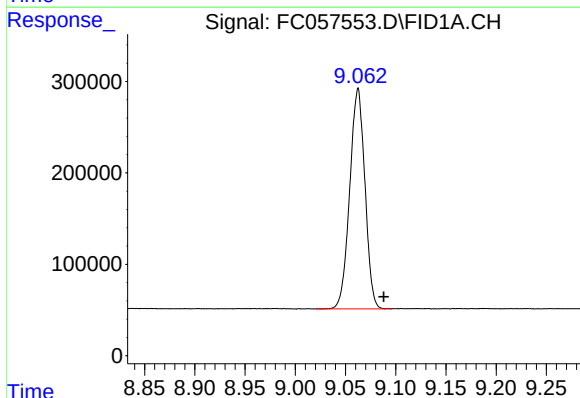
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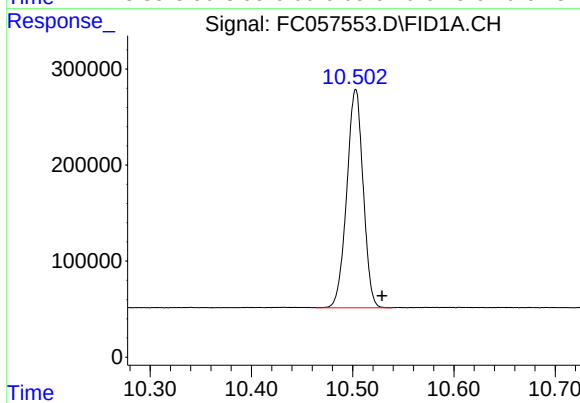
#6 n-Tetradecane (C14)

R.T.: 7.463 min
Delta R.T.: -0.026 min
Response: 2556868
Conc: 20.65 ug/ml m



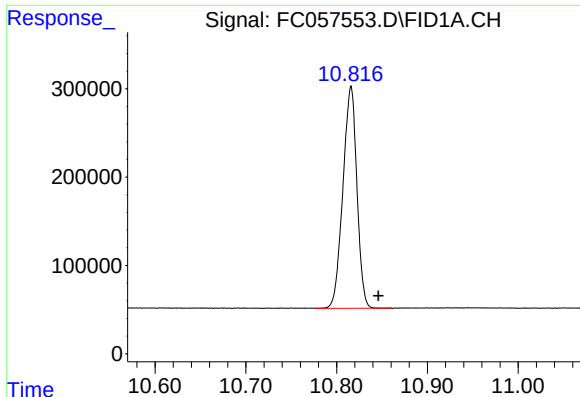
#7 n-Hexadecane (C16)

R.T.: 9.062 min
Delta R.T.: -0.026 min
Response: 2543876
Conc: 20.29 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.503 min
Delta R.T.: -0.026 min
Response: 2561430
Conc: 19.79 ug/ml



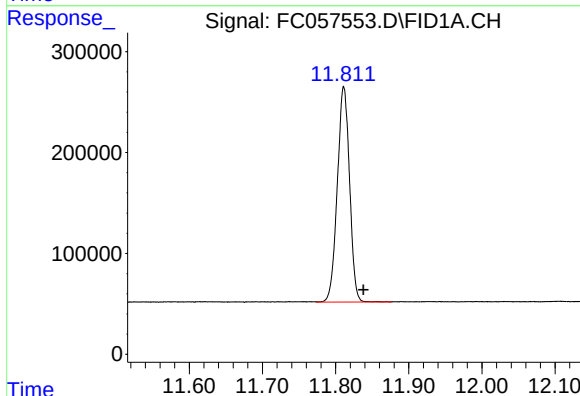
#9 ortho-Terphenyl (SURR)

R.T.: 10.816 min
Delta R.T.: -0.030 min
Response: 2692414
Conc: 19.35 ug/ml

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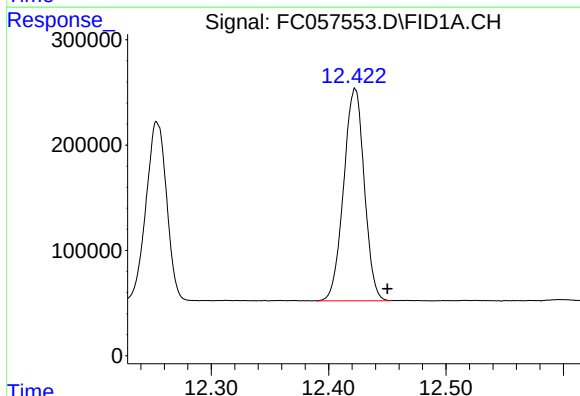
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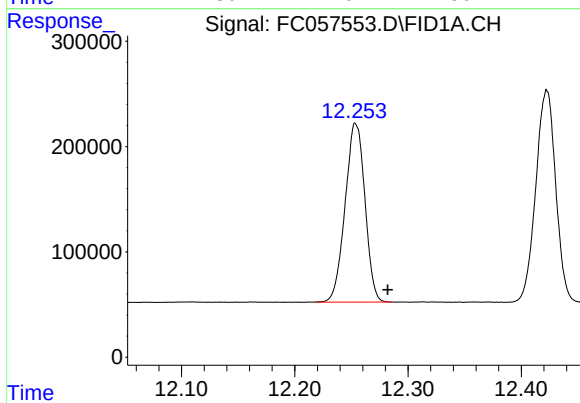
#10 n-Eicosane (C20)

R.T.: 11.811 min
Delta R.T.: -0.027 min
Response: 2488323
Conc: 19.15 ug/ml



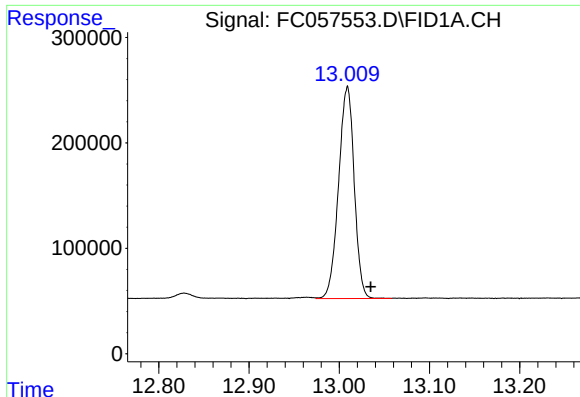
#11 n-Heneicosane (C21)

R.T.: 12.422 min
Delta R.T.: -0.028 min
Response: 2463481
Conc: 18.77 ug/ml m



#12 1-chlorooctadecane (SURR)

R.T.: 12.253 min
Delta R.T.: -0.029 min
Response: 2066812
Conc: 18.66 ug/ml m



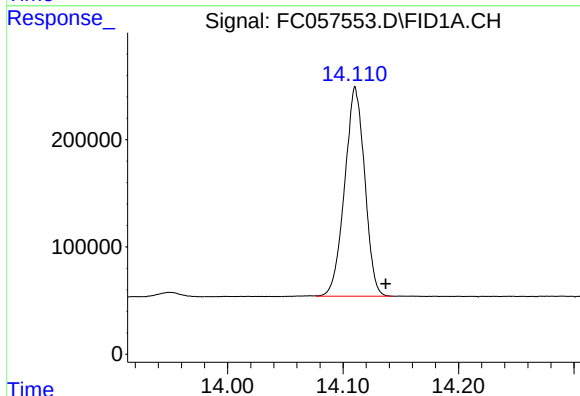
#13 n-Docosane (C22)

R.T.: 13.009 min
Delta R.T.: -0.026 min
Response: 2422694
Conc: 18.43 ug/ml

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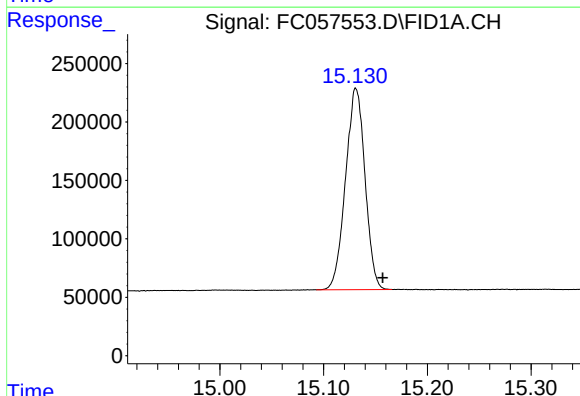
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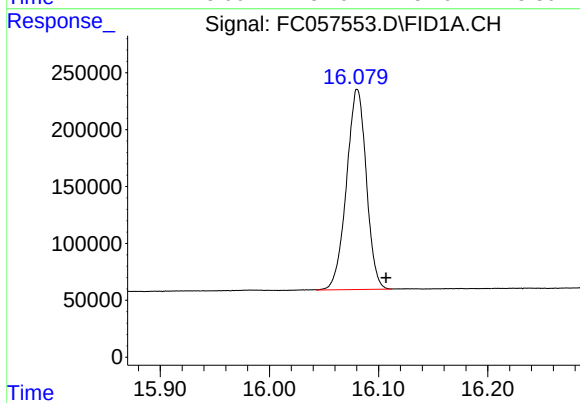
#14 n-Tetracosane (C24)

R.T.: 14.110 min
Delta R.T.: -0.027 min
Response: 2350071
Conc: 17.67 ug/ml m



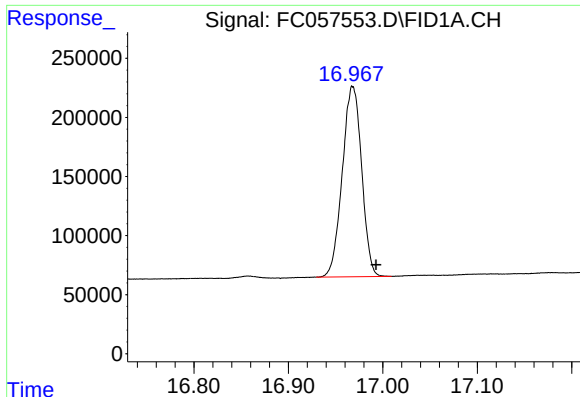
#15 n-Hexacosane (C26)

R.T.: 15.130 min
Delta R.T.: -0.027 min
Response: 2250718
Conc: 17.16 ug/ml m



#16 n-Octacosane (C28)

R.T.: 16.079 min
Delta R.T.: -0.028 min
Response: 2221720
Conc: 16.89 ug/ml m



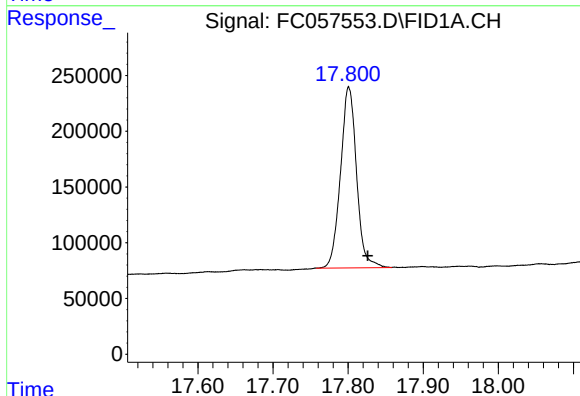
#17 n-Tricontane (C30)

R.T.: 16.967 min
Delta R.T.: -0.026 min
Response: 2300265
Conc: 16.83 ug/ml

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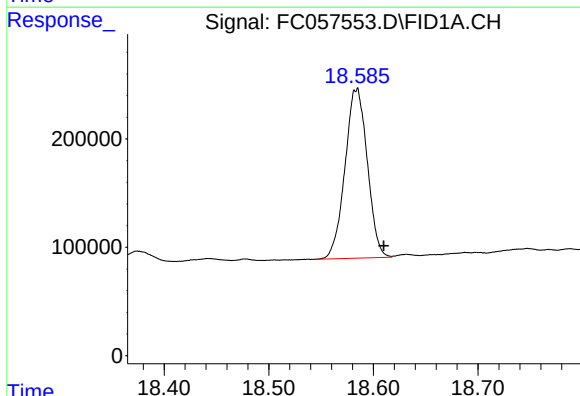
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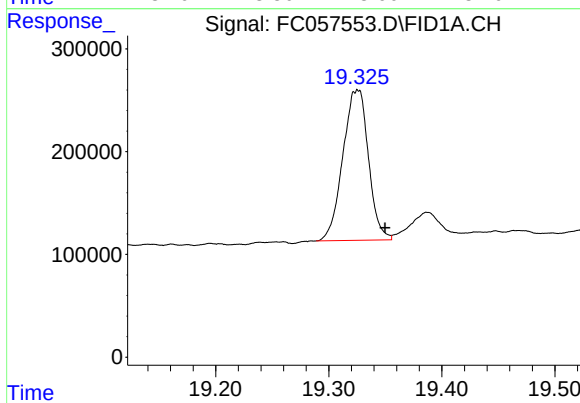
#18 n-Dotriacontane (C32)

R.T.: 17.800 min
Delta R.T.: -0.026 min
Response: 2407393
Conc: 17.96 ug/ml m



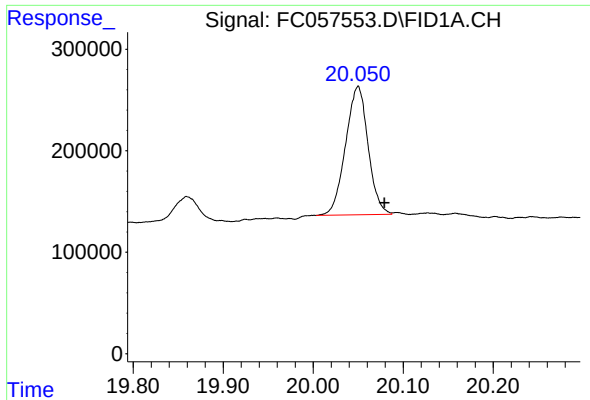
#19 n-Tetratriacontane (C34)

R.T.: 18.585 min
Delta R.T.: -0.025 min
Response: 2320751
Conc: 17.80 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.325 min
Delta R.T.: -0.025 min
Response: 2299785
Conc: 19.37 ug/ml m



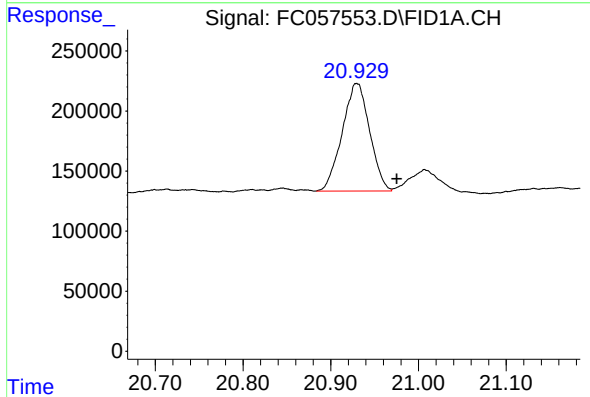
#21 n-Octatriacontane (C38)

R.T.: 20.050 min
Delta R.T.: -0.029 min
Response: 2197892
Conc: 20.01 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.929 min
Delta R.T.: -0.046 min
Response: 1945464
Conc: 19.49 ug/ml m