

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC010224AL\
 Data File : FC065539.D
 Signal(s) : FID1A.ch
 Acq On : 02 Jan 2024 10:39
 Operator : YP/AJ
 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 01/03/2024
 Supervised By :Ankita Jodhani 01/03/2024

Integration File: autoint1.e
 Quant Time: Jan 03 01:31:49 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121823.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 18 12:39:13 2023
 Response via : Initial Calibration
 Integrator: ChemStation

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)	11.495	4652170	20.329 ug/ml
Spiked Amount 50.000		Recovery =	40.66%
12) S 1-chlorooctadecane (S...	12.926	3246959	19.864 ug/ml
Spiked Amount 50.000		Recovery =	39.73%
Target Compounds			
1) T n-Nonane (C9)	3.292	3931533	19.772 ug/ml
2) T n-Decane (C10)	4.353	4025617	20.080 ug/ml
3) T A~Naphthalene (C11.7)	5.936	4137005	20.584 ug/ml
4) T n-Dodecane (C12)	6.365	4091431	20.014 ug/ml
5) T A~2-methylnaphthalene...	6.991	3900483	19.978 ug/ml
6) T n-Tetradecane (C14)	8.153	3994667	19.940 ug/ml
7) T n-Hexadecane (C16)	9.747	3998609	19.976 ug/ml
8) T n-Octadecane (C18)	11.182	3944569	20.044 ug/ml
10) T n-Eicosane (C20)	12.484	3793242	20.234 ug/ml
11) T n-Heneicosane (C21)	13.092	3710052	20.341 ug/ml
13) T n-Docosane (C22)	13.675	3650362	20.232 ug/ml
14) T n-Tetracosane (C24)	14.773	3553059	19.722 ug/ml
15) T n-Hexacosane (C26)	15.788	3418726	19.736 ug/ml
16) T n-Octacosane (C28)	16.735	3347137	19.517 ug/ml
17) T n-Tricontane (C30)	17.617	3406393	19.449 ug/ml
18) T n-Dotriacontane (C32)	18.447	3390966	19.440 ug/ml
19) T n-Tetratriacontane (C34)	19.227	3237058	19.563 ug/ml
20) T n-Hexatriacontane (C36)	19.964	3114476	19.290 ug/mlm
21) T n-Octatriacontane (C38)	20.680	2989054	18.847 ug/ml
22) T n-Tetracontane (C40)	21.554	2802012	17.592 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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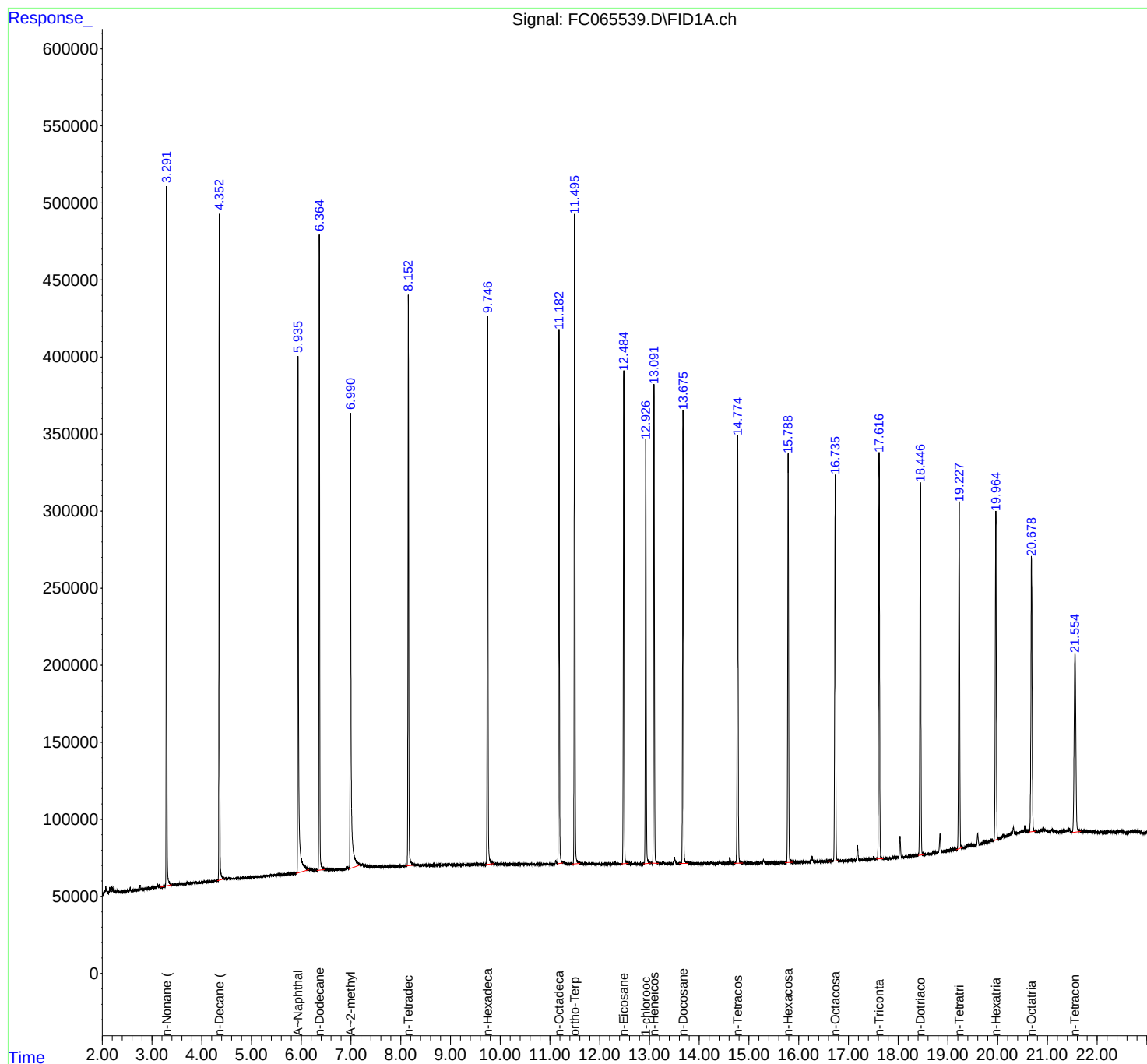
Instrument :
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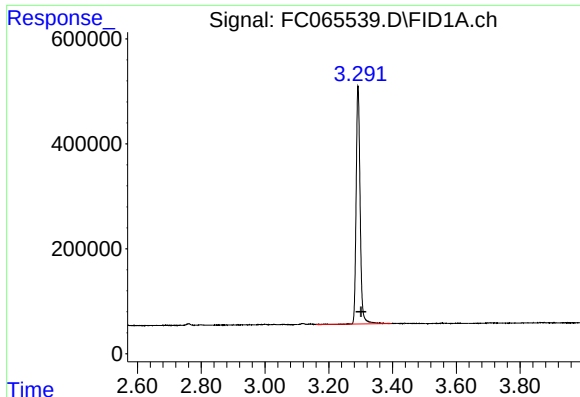
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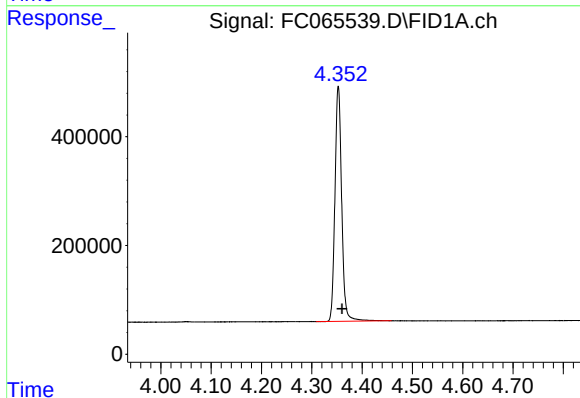
#1 n-Nonane (C9)

R.T.: 3.292 min
Delta R.T.: -0.009 min
Response: 3931533
Conc: 19.77 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

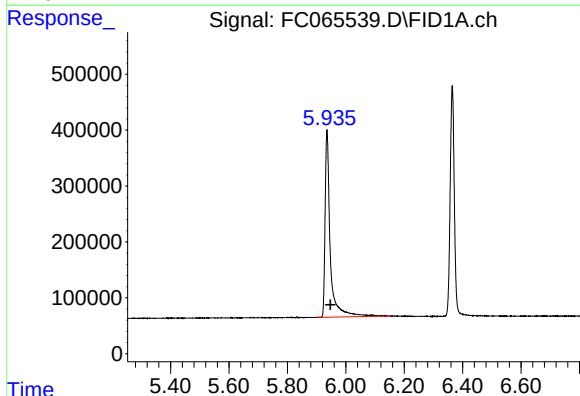
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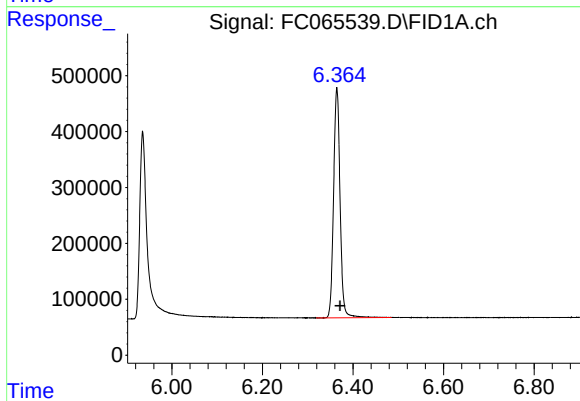
#2 n-Decane (C10)

R.T.: 4.353 min
Delta R.T.: -0.008 min
Response: 4025617
Conc: 20.08 ug/ml



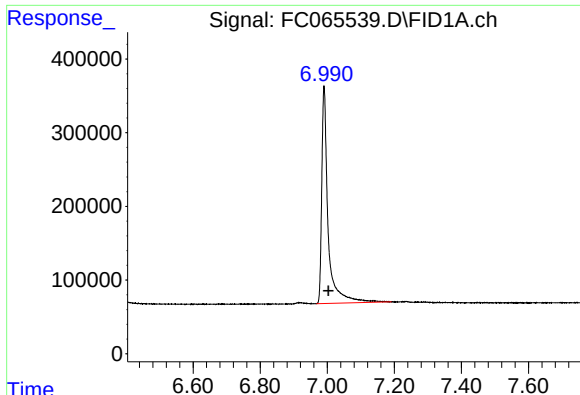
#3 A~Naphthalene (C11.7)

R.T.: 5.936 min
Delta R.T.: -0.012 min
Response: 4137005
Conc: 20.58 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.365 min
Delta R.T.: -0.007 min
Response: 4091431
Conc: 20.01 ug/ml



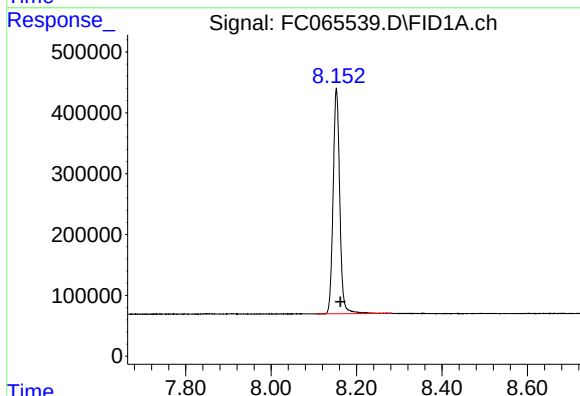
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.991 min
Delta R.T.: -0.013 min
Response: 3900483
Conc: 19.98 ug/ml

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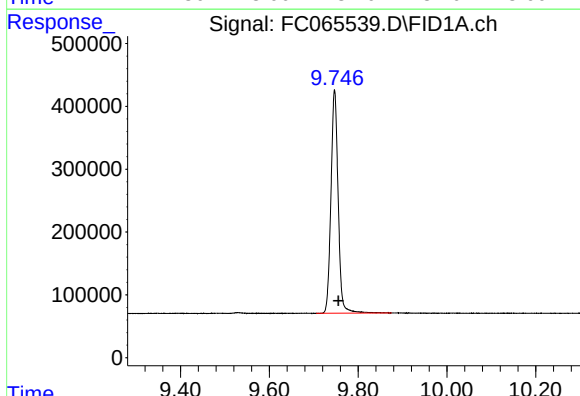
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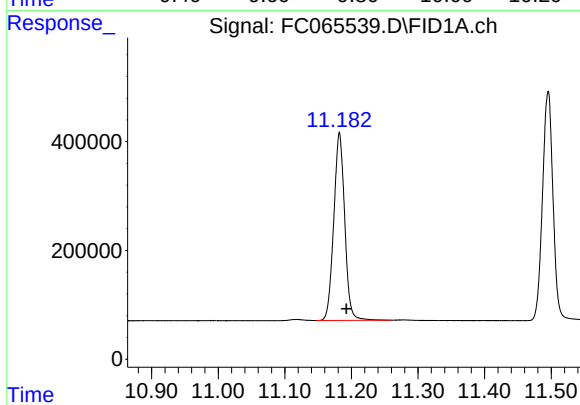
#6 n-Tetradecane (C14)

R.T.: 8.153 min
Delta R.T.: -0.009 min
Response: 3994667
Conc: 19.94 ug/ml



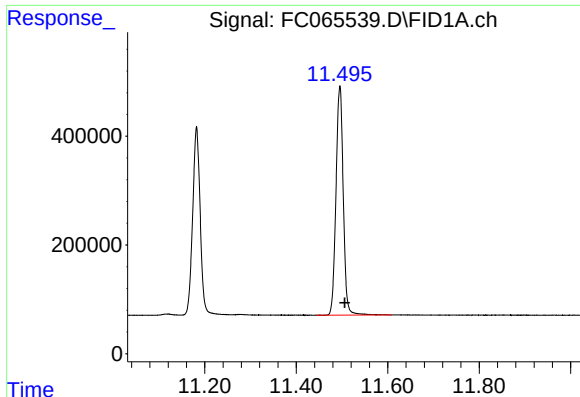
#7 n-Hexadecane (C16)

R.T.: 9.747 min
Delta R.T.: -0.009 min
Response: 3998609
Conc: 19.98 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.182 min
Delta R.T.: -0.011 min
Response: 3944569
Conc: 20.04 ug/ml



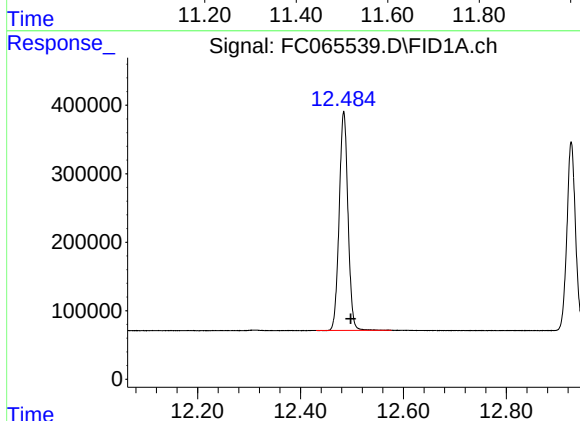
#9 ortho-Terphenyl (SURR)

R.T.: 11.495 min
Delta R.T.: -0.011 min
Response: 4652170
Conc: 20.33 ug/ml

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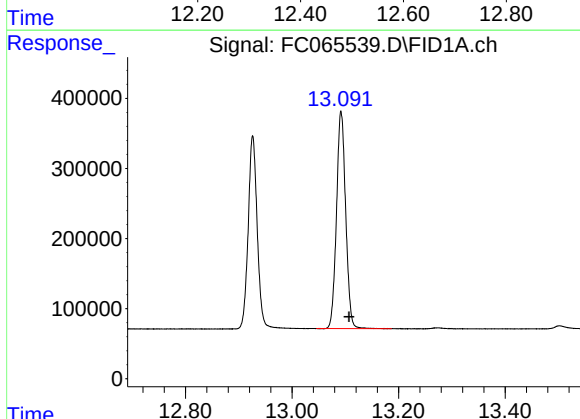
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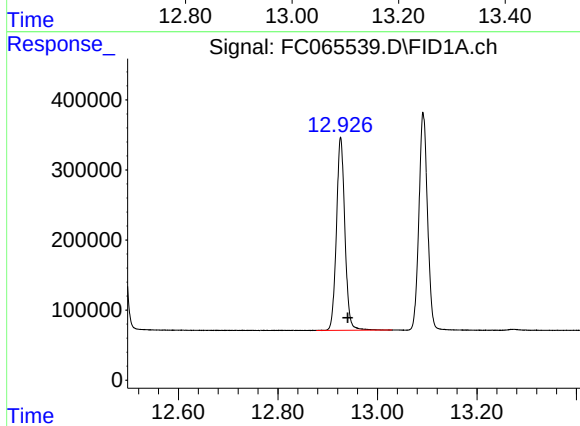
#10 n-Eicosane (C20)

R.T.: 12.484 min
Delta R.T.: -0.013 min
Response: 3793242
Conc: 20.23 ug/ml



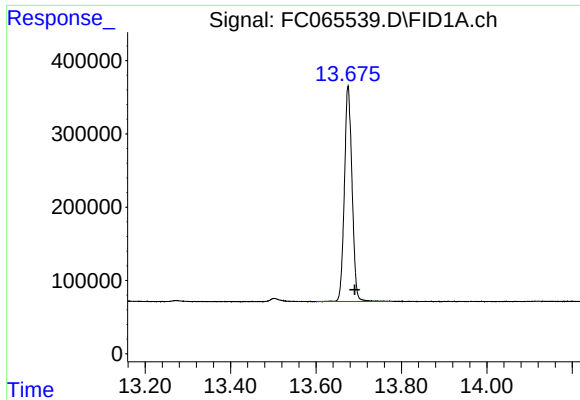
#11 n-Heneicosane (C21)

R.T.: 13.092 min
Delta R.T.: -0.015 min
Response: 3710052
Conc: 20.34 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.926 min
Delta R.T.: -0.014 min
Response: 3246959
Conc: 19.86 ug/ml



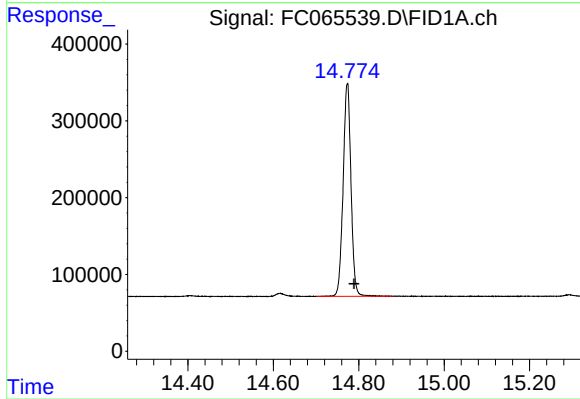
#13 n-Docosane (C22)

R.T.: 13.675 min
Delta R.T.: -0.016 min
Response: 3650362
Conc: 20.23 ug/ml

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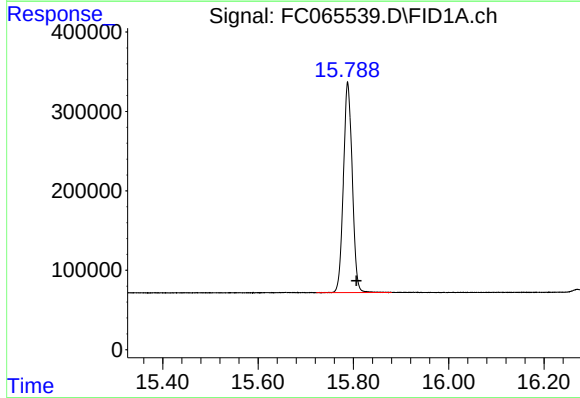
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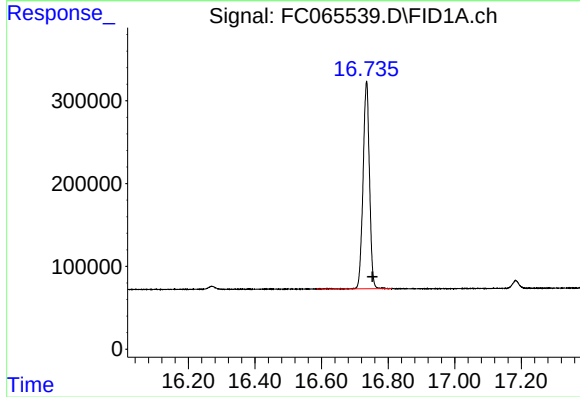
#14 n-Tetracosane (C24)

R.T.: 14.773 min
Delta R.T.: -0.016 min
Response: 3553059
Conc: 19.72 ug/ml



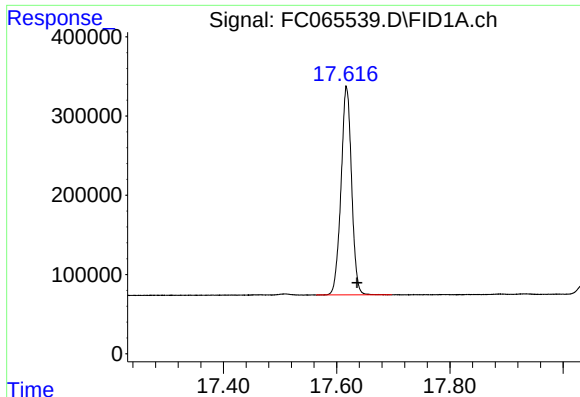
#15 n-Hexacosane (C26)

R.T.: 15.788 min
Delta R.T.: -0.018 min
Response: 3418726
Conc: 19.74 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.735 min
Delta R.T.: -0.018 min
Response: 3347137
Conc: 19.52 ug/ml



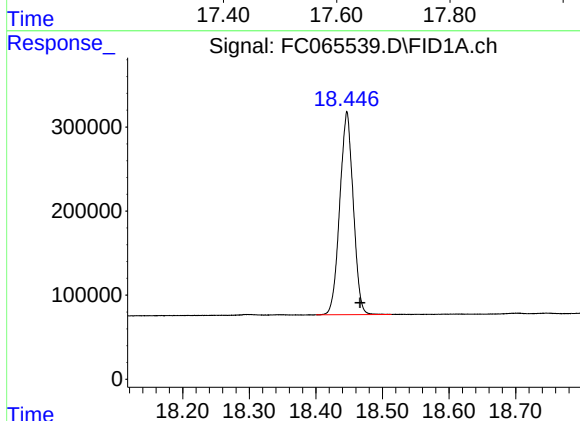
#17 n-Tricontane (C30)

R.T.: 17.617 min
Delta R.T.: -0.019 min
Response: 3406393
Conc: 19.45 ug/ml

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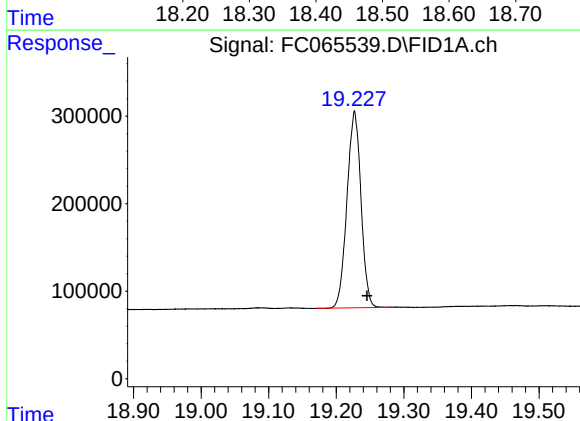
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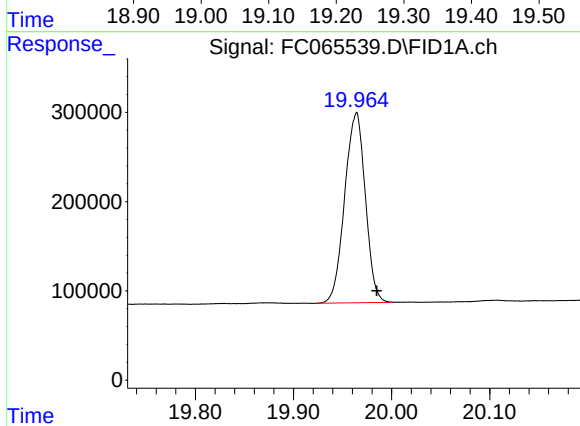
#18 n-Dotriacontane (C32)

R.T.: 18.447 min
Delta R.T.: -0.020 min
Response: 3390966
Conc: 19.44 ug/ml



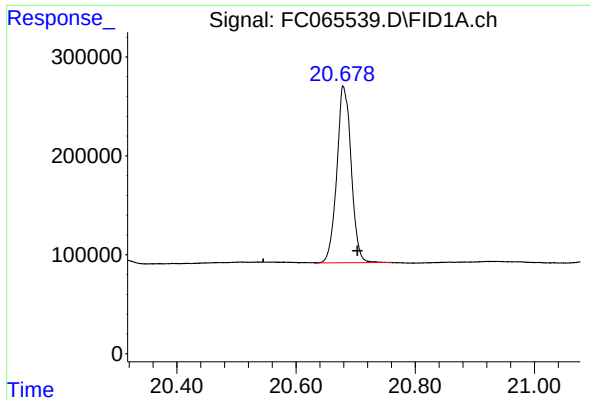
#19 n-Tetratriacontane (C34)

R.T.: 19.227 min
Delta R.T.: -0.018 min
Response: 3237058
Conc: 19.56 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.964 min
Delta R.T.: -0.020 min
Response: 3114476
Conc: 19.29 ug/ml m



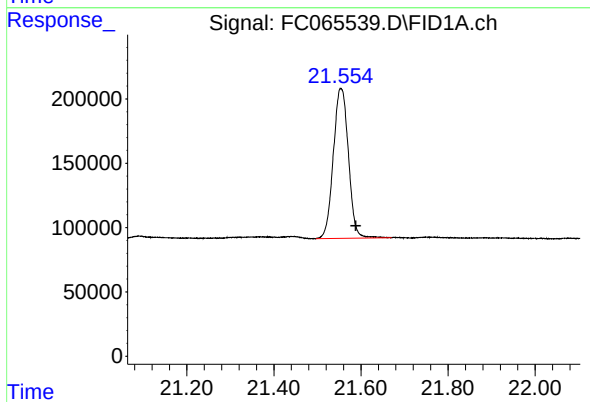
#21 n-Octatriacontane (C38)

R.T.: 20.680 min
Delta R.T.: -0.023 min
Response: 2989054
Conc: 18.85 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.554 min
Delta R.T.: -0.034 min
Response: 2802012
Conc: 17.59 ug/ml