

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110823AL\
 Data File : FC065060.D
 Signal(s) : FID1A.ch
 Acq On : 08 Nov 2023 10:21
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/09/2023
 Supervised By :Ankita Jodhani 11/09/2023

Integration File: autoint1.e
 Quant Time: Nov 08 23:07:27 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102823.M
 Quant Title : GC Extractables
 QLast Update : Sat Oct 28 02:12:00 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)	11.510	4393917	19.965 ug/ml
Spiked Amount 50.000		Recovery =	39.93%
12) S 1-chlorooctadecane (S...	12.941	3164507	20.018 ug/ml
Spiked Amount 50.000		Recovery =	40.04%
Target Compounds			
1) T n-Nonane (C9)	3.310	4036478	21.350 ug/ml
2) T n-Decane (C10)	4.369	4075040	21.431 ug/ml
3) T A~Naphthalene (C11.7)	5.950	4111645	21.296 ug/ml
4) T n-Dodecane (C12)	6.379	4081071	21.126 ug/ml
5) T A~2-methylnaphthalene...	7.004	3899817	21.222 ug/ml
6) T n-Tetradecane (C14)	8.168	3944744	20.906 ug/ml
7) T n-Hexadecane (C16)	9.762	3910381	20.687 ug/ml
8) T n-Octadecane (C18)	11.196	3832438	20.307 ug/ml
10) T n-Eicosane (C20)	12.499	3597043	20.008 ug/ml
11) T n-Heneicosane (C21)	13.109	3502862	19.951 ug/ml
13) T n-Docosane (C22)	13.692	3421210	19.917 ug/ml
14) T n-Tetracosane (C24)	14.789	3310013	19.873 ug/ml
15) T n-Hexacosane (C26)	15.807	3194076	19.900 ug/ml
16) T n-Octacosane (C28)	16.752	3153189	20.148 ug/ml
17) T n-Tricontane (C30)	17.636	3247671	20.504 ug/ml
18) T n-Dotriacontane (C32)	18.464	3247397	20.567 ug/ml
19) T n-Tetratriacontane (C34)	19.244	3140110	20.572 ug/ml
20) T n-Hexatriacontane (C36)	19.980	3073023	20.367 ug/mlm
21) T n-Octatriacontane (C38)	20.700	3015307	20.262 ug/ml
22) T n-Tetracontane (C40)	21.579	2943447	20.013 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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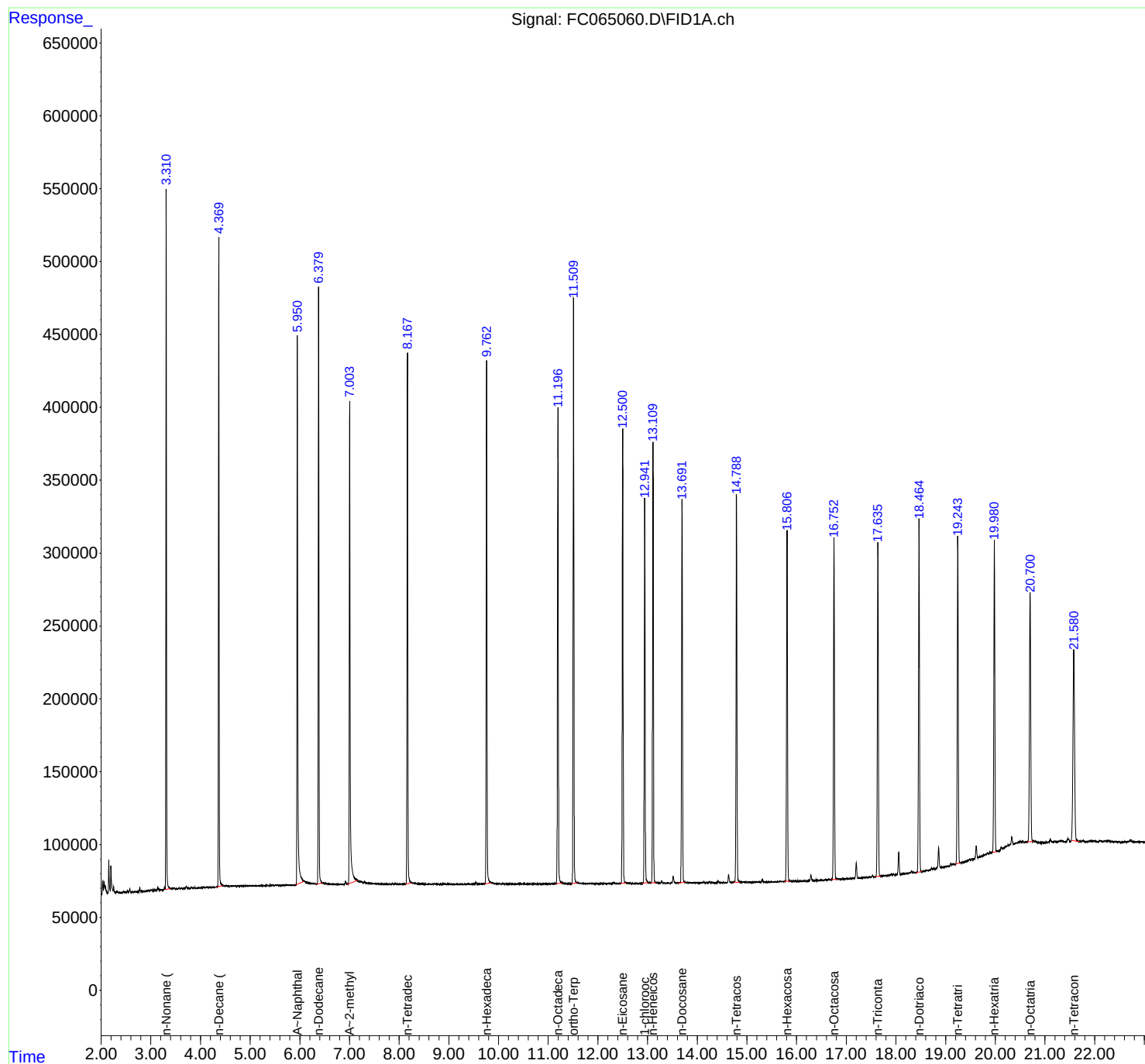
Instrument :
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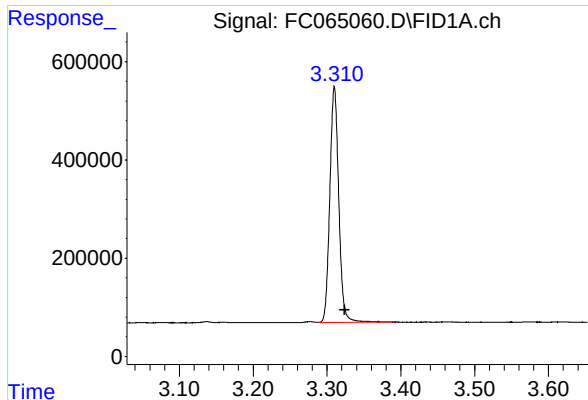
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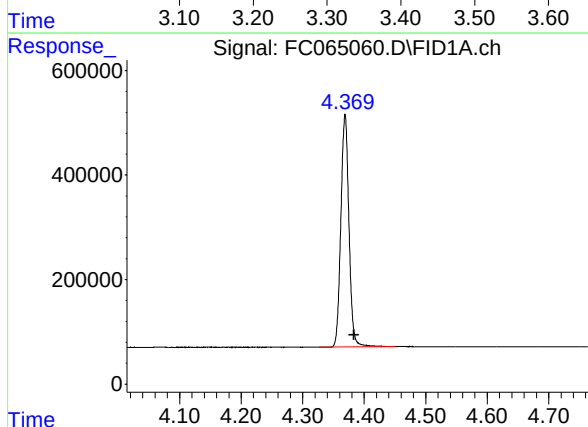
#1 n-Nonane (C9)

R.T.: 3.310 min
Delta R.T.: -0.014 min
Response: 4036478
Conc: 21.35 ug/ml

Instrument : FID_C
ClientSampleId : 20 PPM ALIPHATIC HC STD

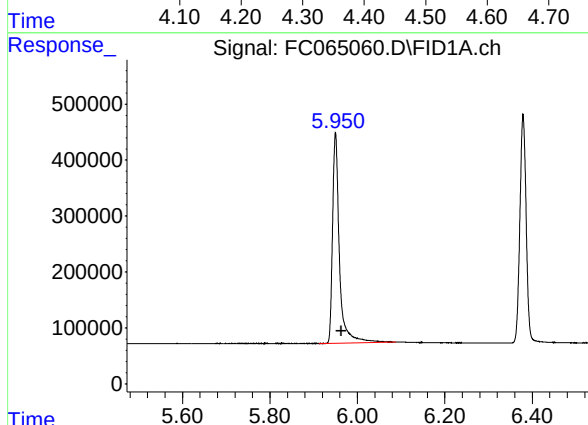
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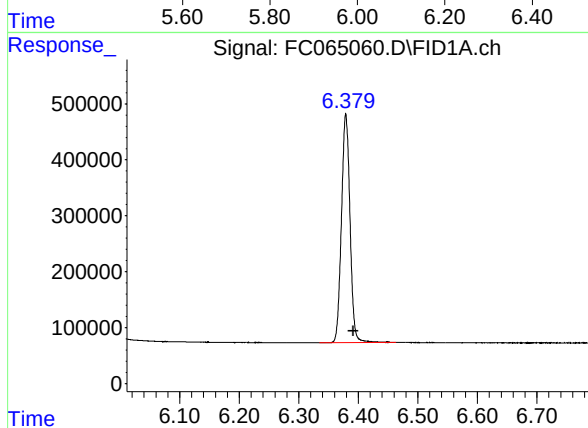
#2 n-Decane (C10)

R.T.: 4.369 min
Delta R.T.: -0.014 min
Response: 4075040
Conc: 21.43 ug/ml



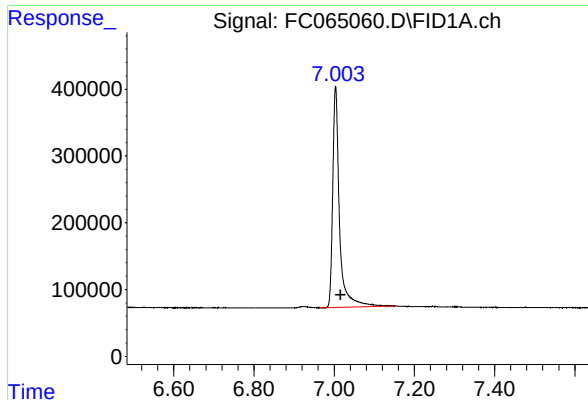
#3 A~Naphthalene (C11.7)

R.T.: 5.950 min
Delta R.T.: -0.013 min
Response: 4111645
Conc: 21.30 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.379 min
Delta R.T.: -0.013 min
Response: 4081071
Conc: 21.13 ug/ml



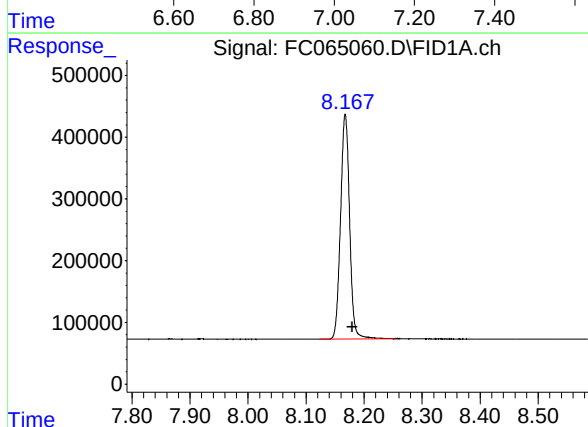
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.004 min
Delta R.T.: -0.012 min
Response: 3899817
Conc: 21.22 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

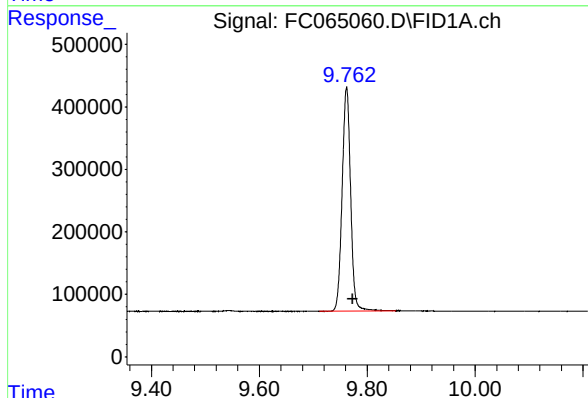
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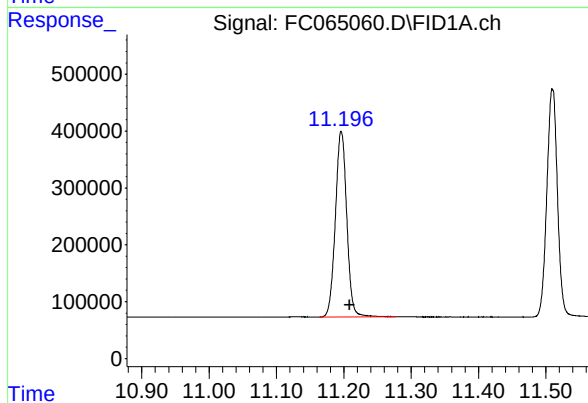
#6 n-Tetradecane (C14)

R.T.: 8.168 min
Delta R.T.: -0.012 min
Response: 3944744
Conc: 20.91 ug/ml



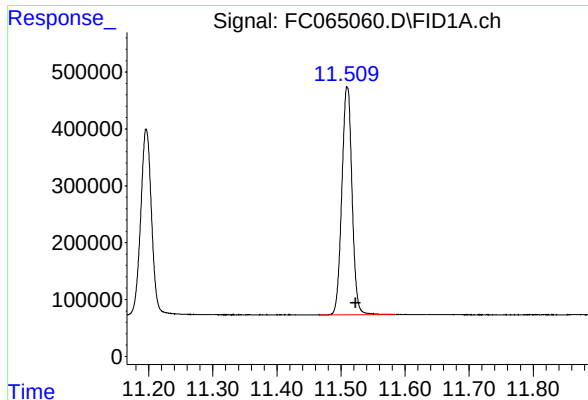
#7 n-Hexadecane (C16)

R.T.: 9.762 min
Delta R.T.: -0.011 min
Response: 3910381
Conc: 20.69 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.196 min
Delta R.T.: -0.012 min
Response: 3832438
Conc: 20.31 ug/ml



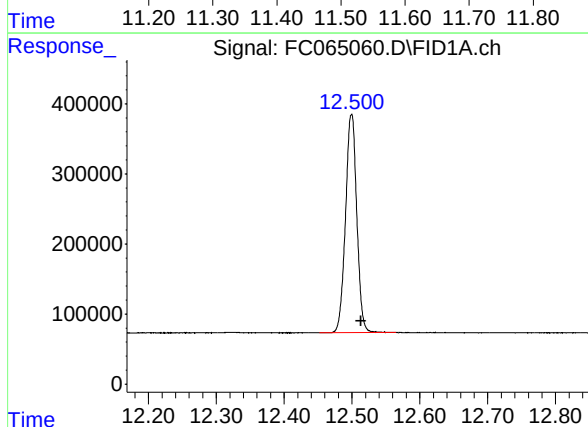
#9 ortho-Terphenyl (SURR)

R.T.: 11.510 min
Delta R.T.: -0.013 min
Response: 4393917
Conc: 19.96 ug/ml

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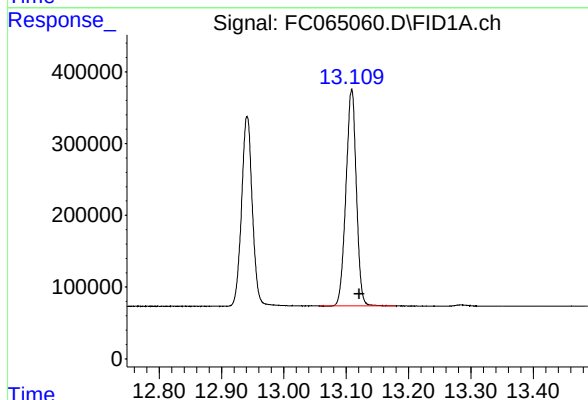
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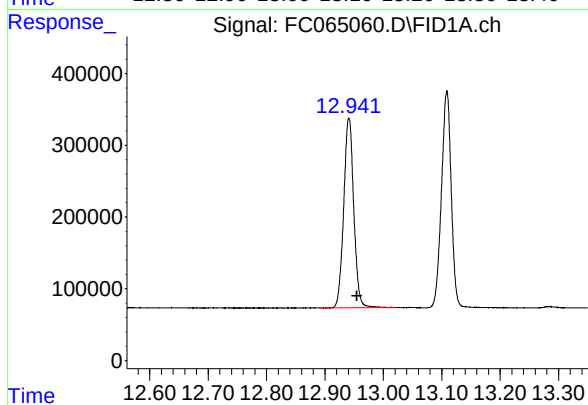
#10 n-Eicosane (C20)

R.T.: 12.499 min
Delta R.T.: -0.014 min
Response: 3597043
Conc: 20.01 ug/ml



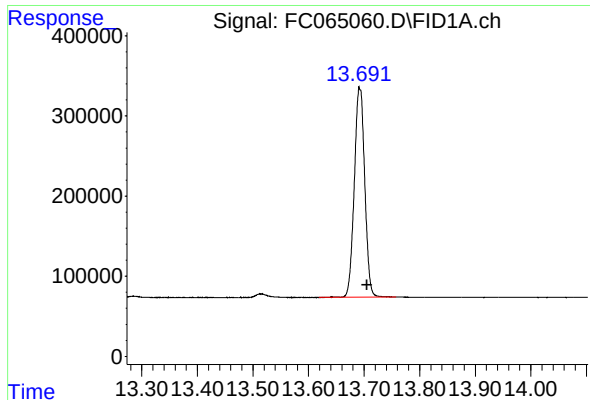
#11 n-Heneicosane (C21)

R.T.: 13.109 min
Delta R.T.: -0.013 min
Response: 3502862
Conc: 19.95 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.941 min
Delta R.T.: -0.014 min
Response: 3164507
Conc: 20.02 ug/ml



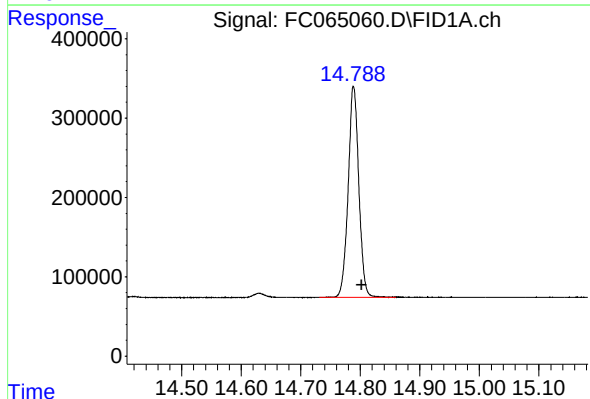
#13 n-Docosane (C22)

R.T.: 13.692 min
Delta R.T.: -0.013 min
Response: 3421210
Conc: 19.92 ug/ml

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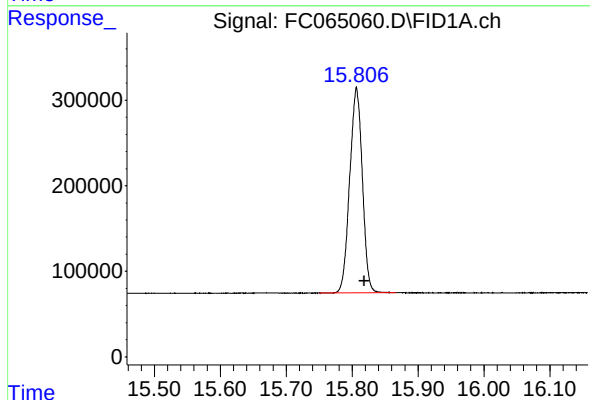
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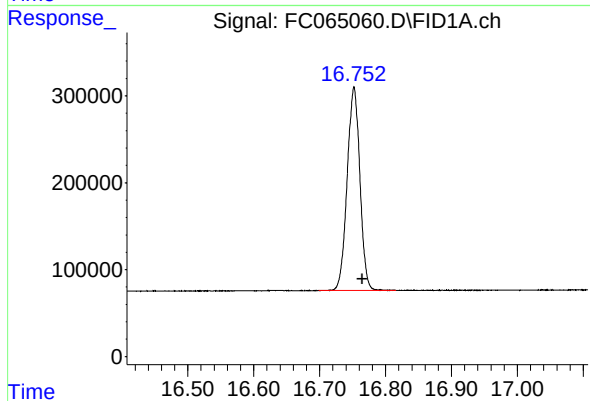
#14 n-Tetracosane (C24)

R.T.: 14.789 min
Delta R.T.: -0.014 min
Response: 3310013
Conc: 19.87 ug/ml



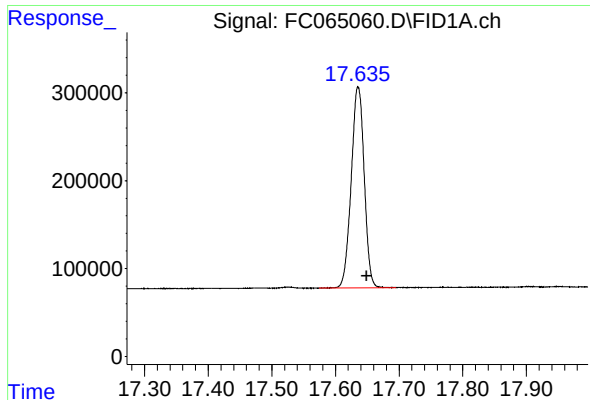
#15 n-Hexacosane (C26)

R.T.: 15.807 min
Delta R.T.: -0.012 min
Response: 3194076
Conc: 19.90 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.752 min
Delta R.T.: -0.012 min
Response: 3153189
Conc: 20.15 ug/ml



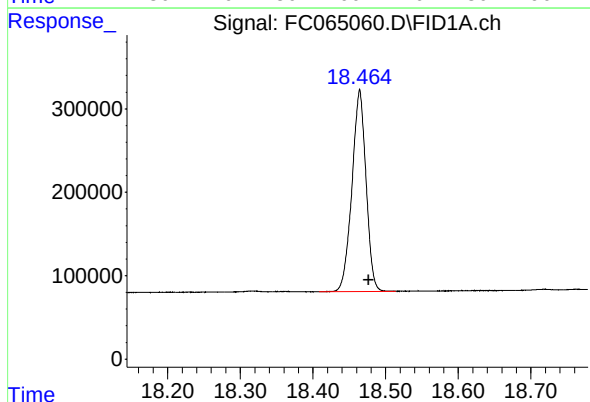
#17 n-Tricontane (C30)

R.T.: 17.636 min
Delta R.T.: -0.014 min
Response: 3247671
Conc: 20.50 ug/ml

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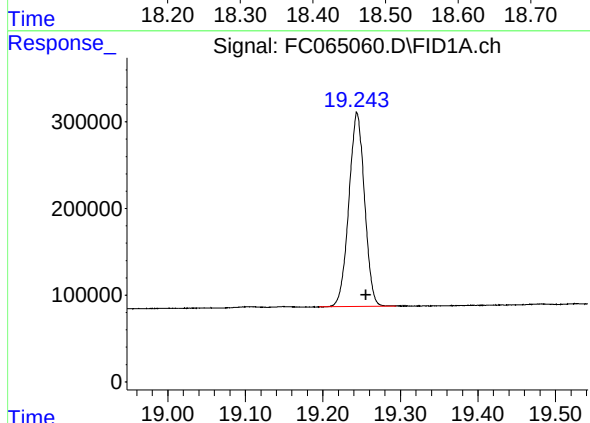
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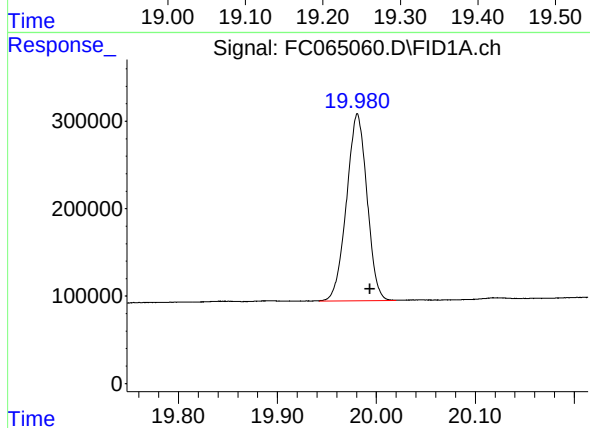
#18 n-Dotriacontane (C32)

R.T.: 18.464 min
Delta R.T.: -0.012 min
Response: 3247397
Conc: 20.57 ug/ml



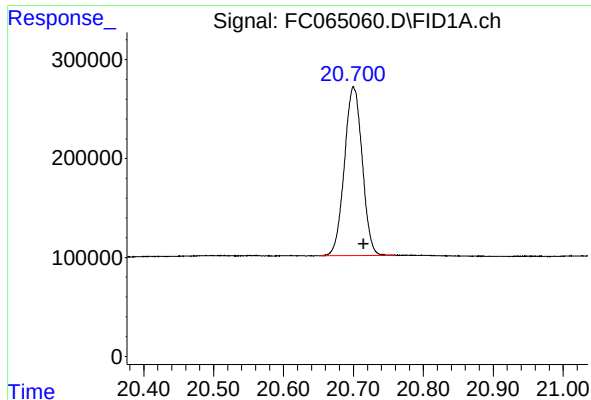
#19 n-Tetratriacontane (C34)

R.T.: 19.244 min
Delta R.T.: -0.012 min
Response: 3140110
Conc: 20.57 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.980 min
Delta R.T.: -0.013 min
Response: 3073023
Conc: 20.37 ug/ml m



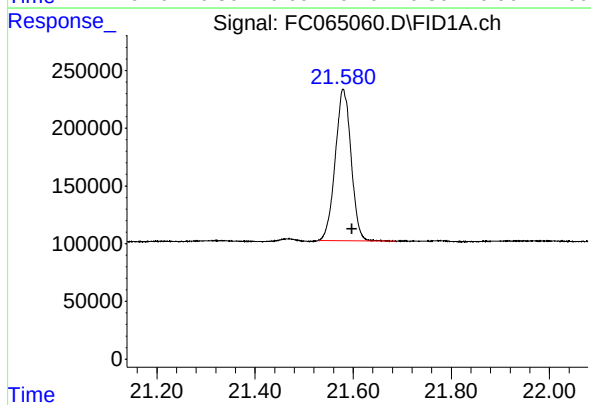
#21 n-Octatriacontane (C38)

R.T.: 20.700 min
Delta R.T.: -0.014 min
Response: 3015307
Conc: 20.26 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.579 min
Delta R.T.: -0.018 min
Response: 2943447
Conc: 20.01 ug/ml