

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F110823AL\
 Data File : FC065071.D
 Signal(s) : FID1A.ch
 Acq On : 08 Nov 2023 19:46
 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 23:09:06 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)	11.508	4348611	19.759 ug/ml
Spiked Amount 50.000		Recovery =	39.52%
12) S 1-chlorooctadecane (S...	12.941	3138358	19.852 ug/ml
Spiked Amount 50.000		Recovery =	39.70%
Target Compounds			
1) T n-Nonane (C9)	3.308	3852325	20.376 ug/ml
2) T n-Decane (C10)	4.369	3904343	20.534 ug/ml
3) T A~Naphthalene (C11.7)	5.949	3980892	20.618 ug/ml
4) T n-Dodecane (C12)	6.379	3937080	20.381 ug/ml
5) T A~2-methylnaphthalene...	7.002	3825992	20.820 ug/ml
6) T n-Tetradecane (C14)	8.166	3847533	20.391 ug/ml
7) T n-Hexadecane (C16)	9.761	3829374	20.259 ug/ml
8) T n-Octadecane (C18)	11.196	3776931	20.013 ug/ml
10) T n-Eicosane (C20)	12.499	3564763	19.828 ug/ml
11) T n-Heneicosane (C21)	13.107	3466276	19.743 ug/ml
13) T n-Docosane (C22)	13.691	3386384	19.714 ug/ml
14) T n-Tetracosane (C24)	14.790	3265788	19.608 ug/ml
15) T n-Hexacosane (C26)	15.807	3163821	19.711 ug/ml
16) T n-Octacosane (C28)	16.752	3110982	19.878 ug/ml
17) T n-Tricontane (C30)	17.637	3220291	20.331 ug/ml
18) T n-Dotriacontane (C32)	18.465	3231147	20.464 ug/ml
19) T n-Tetratriacontane (C34)	19.245	3120712	20.445 ug/ml
20) T n-Hexatriacontane (C36)	19.981	3031450	20.092 ug/mlm
21) T n-Octatriacontane (C38)	20.702	2969936	19.957 ug/ml
22) T n-Tetracontane (C40)	21.581	2881349	19.590 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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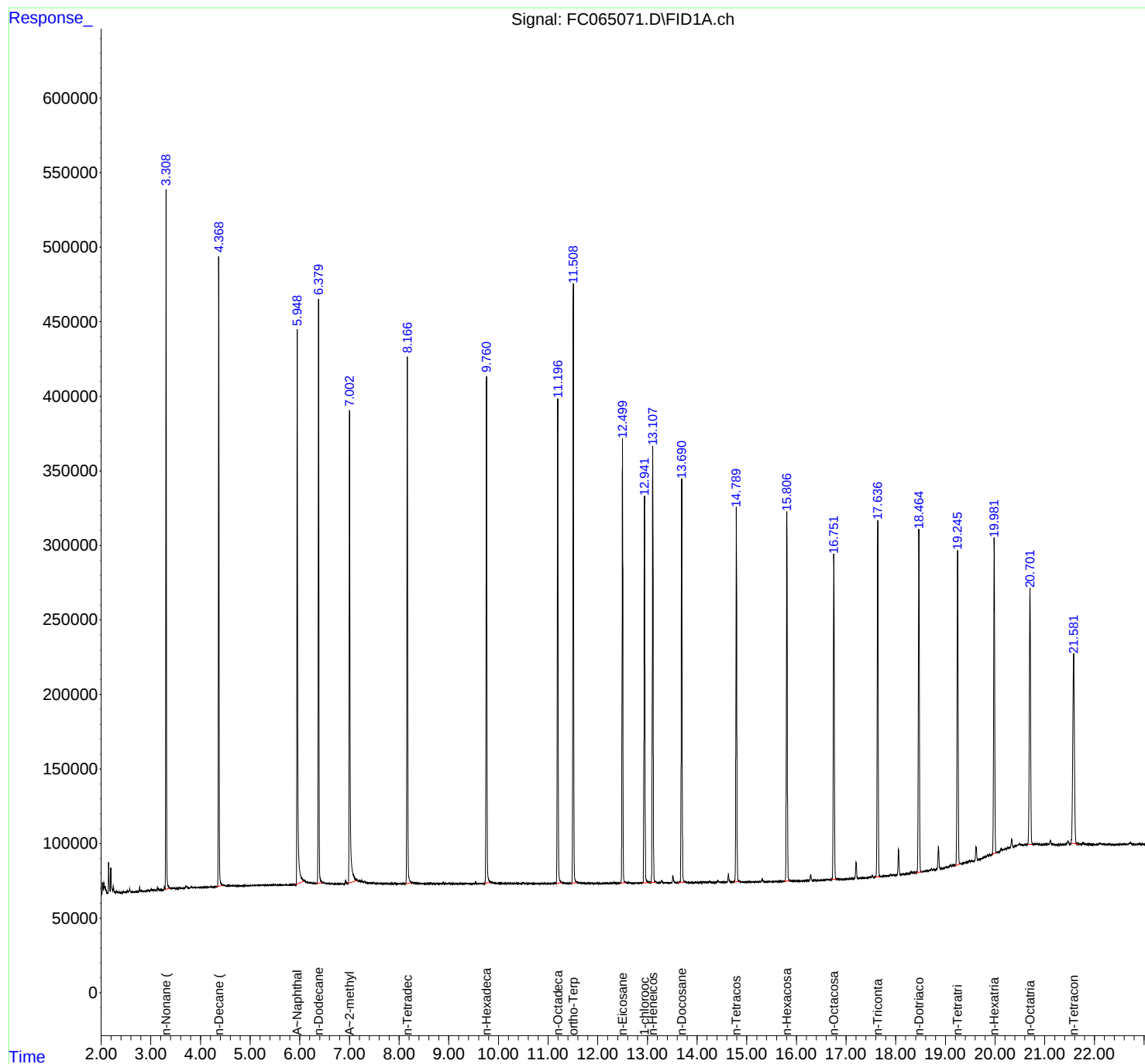
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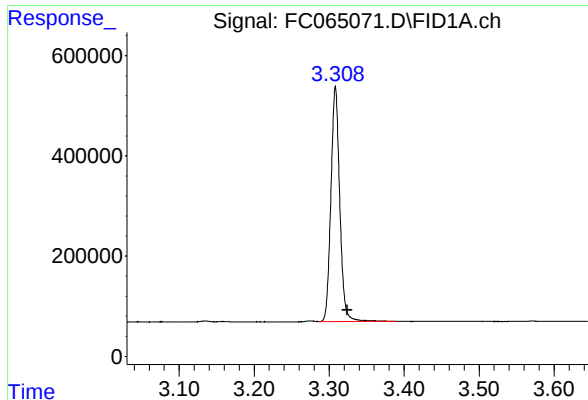
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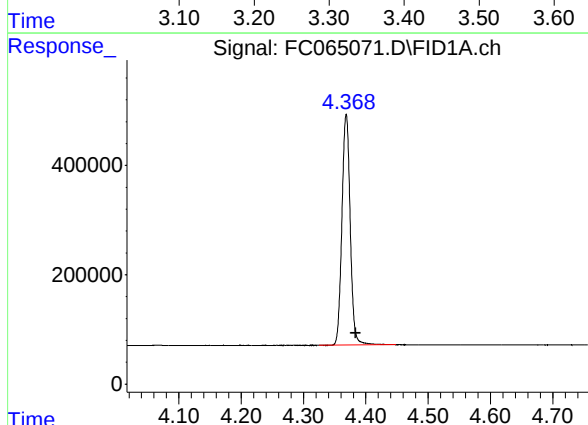
#1 n-Nonane (C9)

R.T.: 3.308 min
Delta R.T.: -0.016 min
Response: 3852325
Conc: 20.38 ug/ml

Instrument : FID_C
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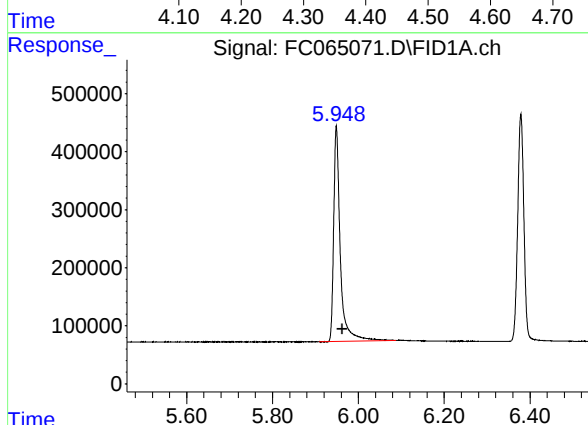
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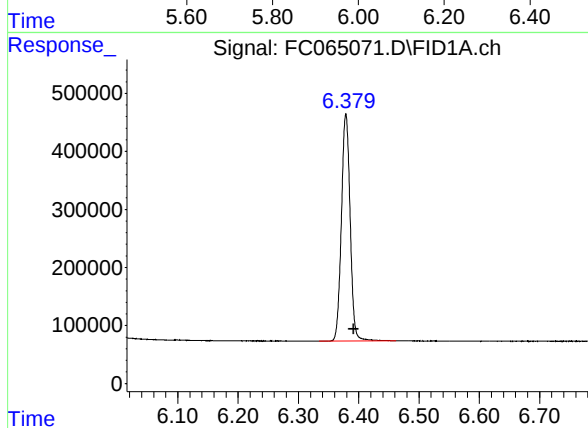
#2 n-Decane (C10)

R.T.: 4.369 min
Delta R.T.: -0.015 min
Response: 3904343
Conc: 20.53 ug/ml



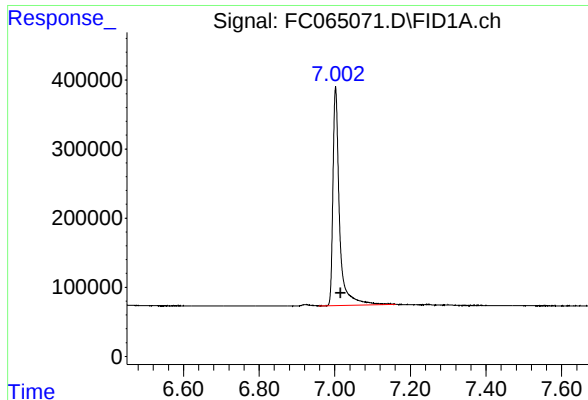
#3 A~Naphthalene (C11.7)

R.T.: 5.949 min
Delta R.T.: -0.014 min
Response: 3980892
Conc: 20.62 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.379 min
Delta R.T.: -0.013 min
Response: 3937080
Conc: 20.38 ug/ml



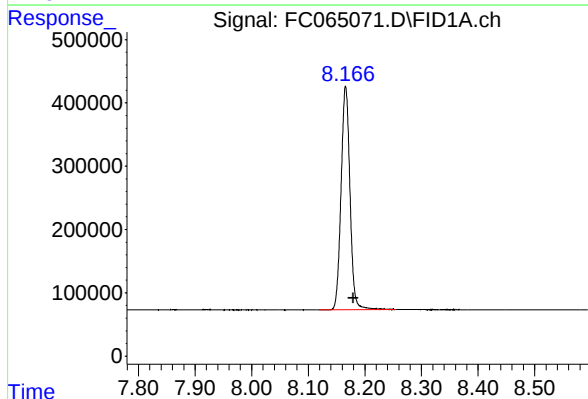
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.002 min
Delta R.T.: -0.013 min
Response: 3825992
Conc: 20.82 ug/ml

Instrument : FID_C
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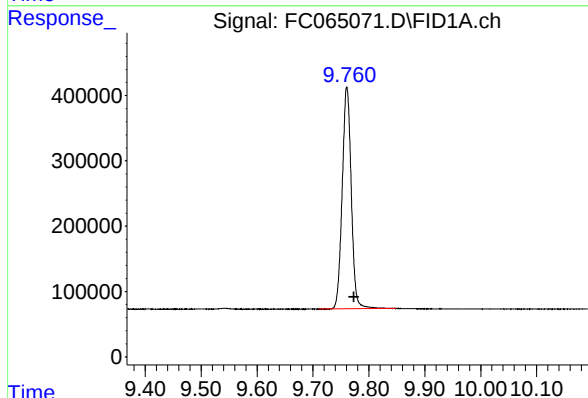
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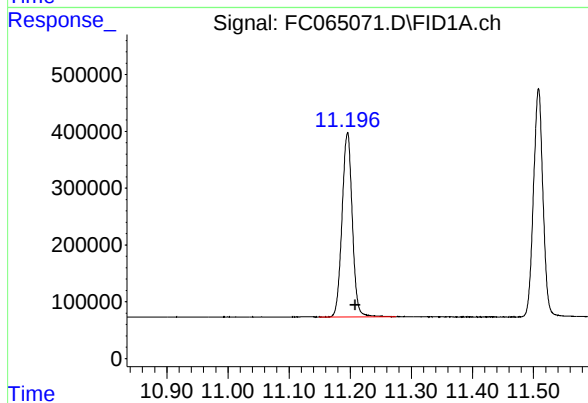
#6 n-Tetradecane (C14)

R.T.: 8.166 min
Delta R.T.: -0.014 min
Response: 3847533
Conc: 20.39 ug/ml



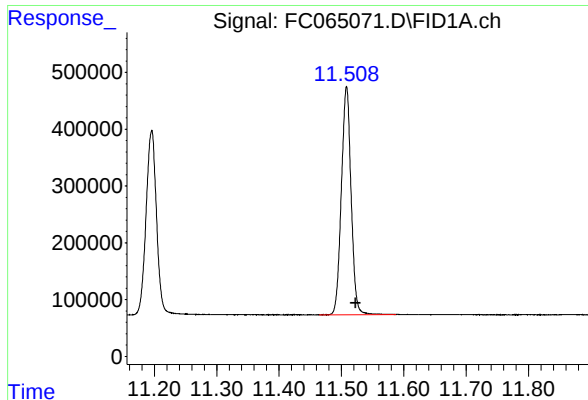
#7 n-Hexadecane (C16)

R.T.: 9.761 min
Delta R.T.: -0.012 min
Response: 3829374
Conc: 20.26 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.196 min
Delta R.T.: -0.013 min
Response: 3776931
Conc: 20.01 ug/ml



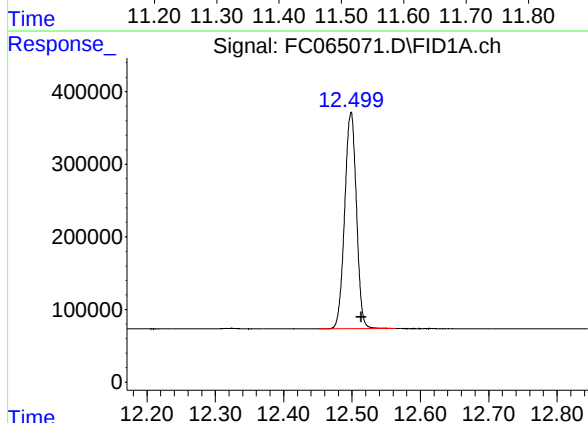
#9 ortho-Terphenyl (SURR)

R.T.: 11.508 min
Delta R.T.: -0.014 min
Response: 4348611
Conc: 19.76 ug/ml

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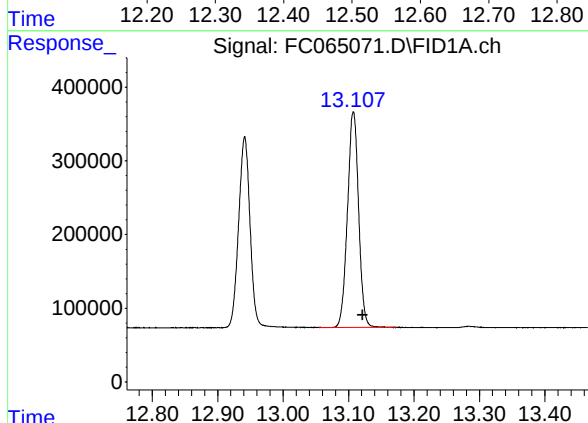
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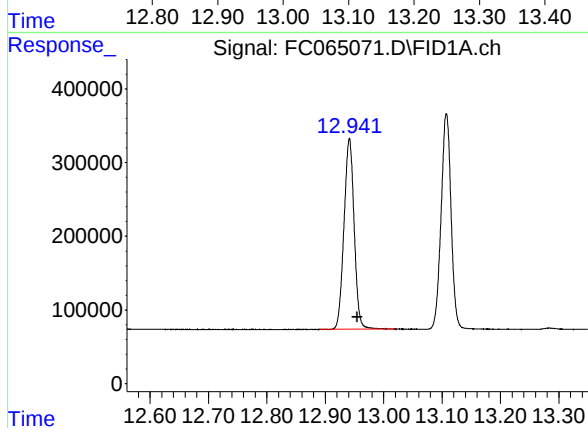
#10 n-Eicosane (C20)

R.T.: 12.499 min
Delta R.T.: -0.015 min
Response: 3564763
Conc: 19.83 ug/ml



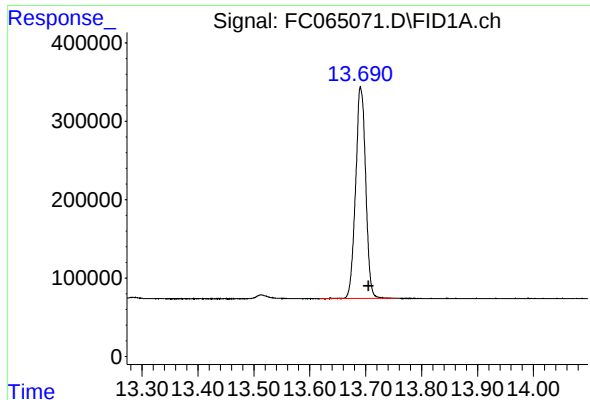
#11 n-Heneicosane (C21)

R.T.: 13.107 min
Delta R.T.: -0.014 min
Response: 3466276
Conc: 19.74 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.941 min
Delta R.T.: -0.014 min
Response: 3138358
Conc: 19.85 ug/ml



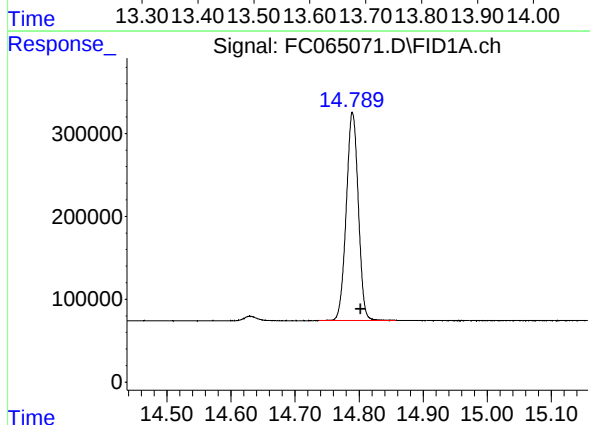
#13 n-Docosane (C22)

R.T.: 13.691 min
Delta R.T.: -0.015 min
Response: 3386384
Conc: 19.71 ug/ml

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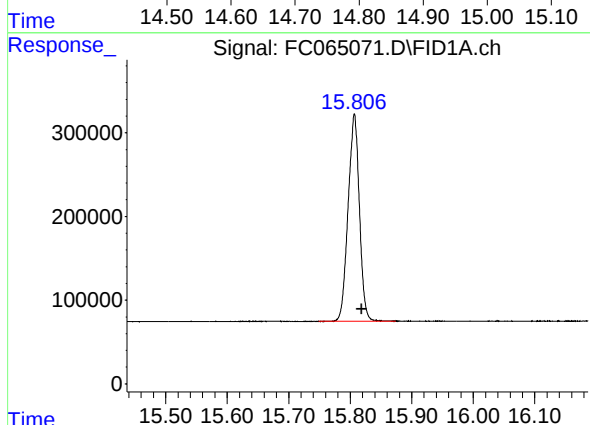
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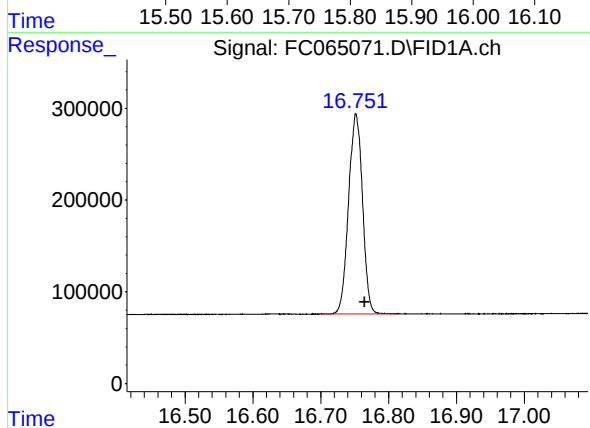
#14 n-Tetracosane (C24)

R.T.: 14.790 min
Delta R.T.: -0.013 min
Response: 3265788
Conc: 19.61 ug/ml



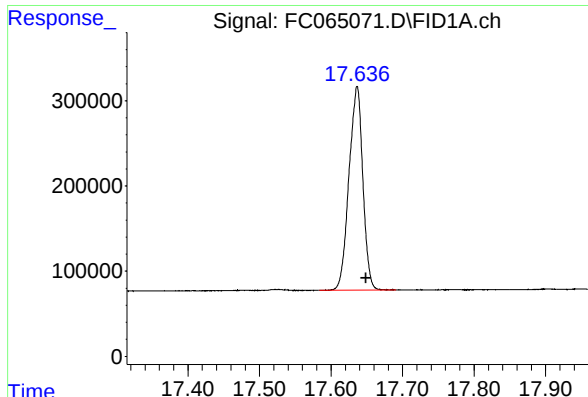
#15 n-Hexacosane (C26)

R.T.: 15.807 min
Delta R.T.: -0.012 min
Response: 3163821
Conc: 19.71 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.752 min
Delta R.T.: -0.013 min
Response: 3110982
Conc: 19.88 ug/ml



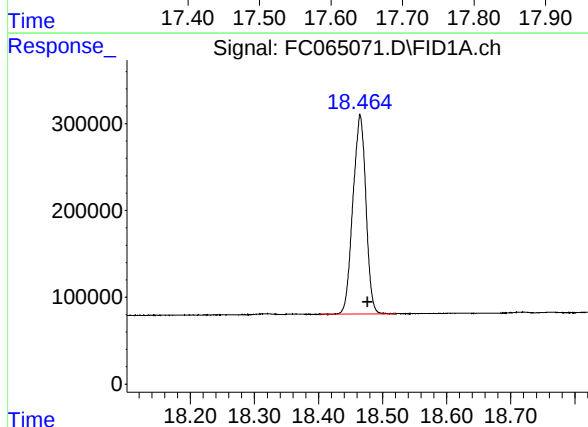
#17 n-Tricontane (C30)

R.T.: 17.637 min
Delta R.T.: -0.013 min
Response: 3220291
Conc: 20.33 ug/ml

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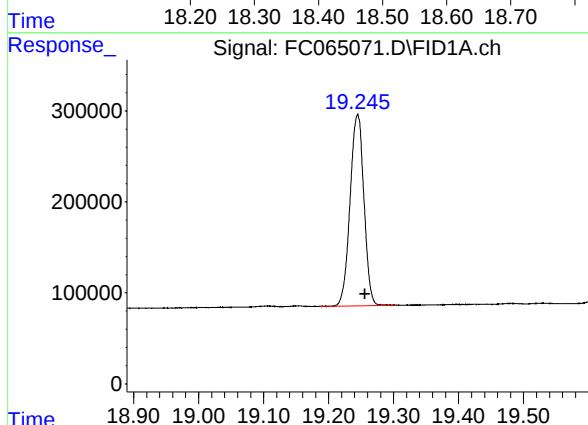
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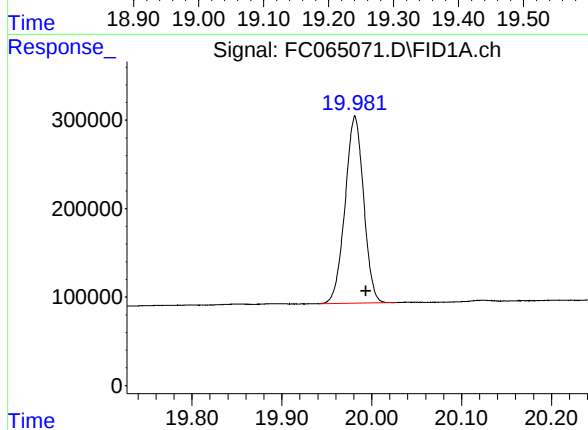
#18 n-Dotriacontane (C32)

R.T.: 18.465 min
Delta R.T.: -0.012 min
Response: 3231147
Conc: 20.46 ug/ml



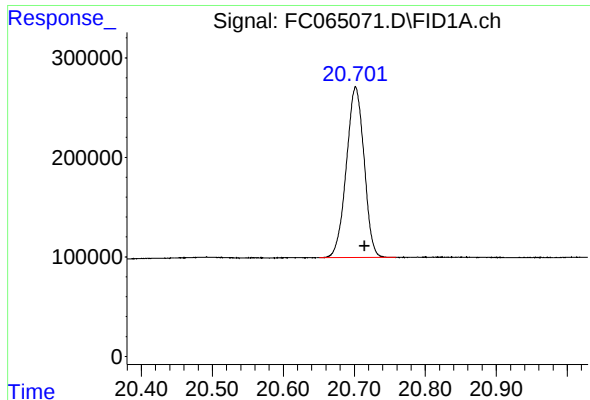
#19 n-Tetratriacontane (C34)

R.T.: 19.245 min
Delta R.T.: -0.011 min
Response: 3120712
Conc: 20.44 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.981 min
Delta R.T.: -0.013 min
Response: 3031450
Conc: 20.09 ug/ml m



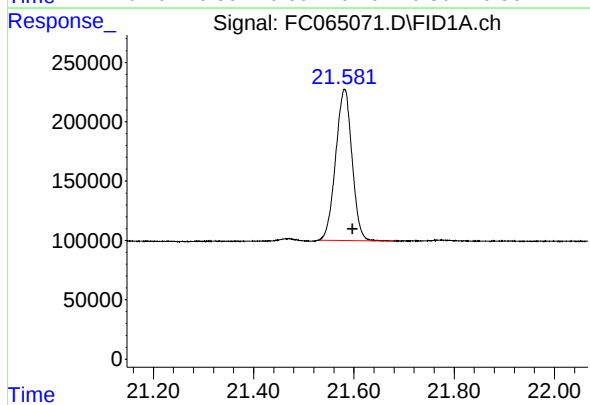
#21 n-Octatriacontane (C38)

R.T.: 20.702 min
Delta R.T.: -0.012 min
Response: 2969936
Conc: 19.96 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.581 min
Delta R.T.: -0.016 min
Response: 2881349
Conc: 19.59 ug/ml