

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F111323AL\
 Data File : FC065134.D
 Signal(s) : FID1A.ch
 Acq On : 13 Nov 2023 22:29
 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 11/14/2023
 Supervised By :Ankita Jodhani 11/14/2023

Integration File: autoint1.e
 Quant Time: Nov 13 23:41:28 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	4459945	20.265 ug/ml
Spiked Amount 50.000		Recovery =	40.53%
12) S 1-chlorooctadecane (S...	12.941	3244777	20.526 ug/ml
Spiked Amount 50.000		Recovery =	41.05%
Target Compounds			
1) T n-Nonane (C9)	3.311	3781321	20.000 ug/ml
2) T n-Decane (C10)	4.370	3867229	20.338 ug/ml
3) T A~Naphthalene (C11.7)	5.951	3936219	20.387 ug/ml
4) T n-Dodecane (C12)	6.381	3898811	20.183 ug/ml
5) T A~2-methylnaphthalene...	7.005	3747190	20.391 ug/ml
6) T n-Tetradecane (C14)	8.169	3813975	20.213 ug/ml
7) T n-Hexadecane (C16)	9.761	3848297	20.359 ug/ml
8) T n-Octadecane (C18)	11.197	3835139	20.321 ug/ml
10) T n-Eicosane (C20)	12.500	3655159	20.331 ug/ml
11) T n-Heneicosane (C21)	13.109	3570164	20.335 ug/ml
13) T n-Docosane (C22)	13.691	3527550	20.536 ug/ml
14) T n-Tetracosane (C24)	14.789	3425390	20.566 ug/ml
15) T n-Hexacosane (C26)	15.806	3308269	20.611 ug/ml
16) T n-Octacosane (C28)	16.751	3261193	20.838 ug/ml
17) T n-Tricontane (C30)	17.634	3396606	21.444 ug/ml
18) T n-Dotriacontane (C32)	18.462	3409522	21.594 ug/ml
19) T n-Tetratriacontane (C34)	19.242	3243769	21.251 ug/ml
20) T n-Hexatriacontane (C36)	19.978	3117481	20.662 ug/mlm
21) T n-Octatriacontane (C38)	20.697	3046277	20.470 ug/ml
22) T n-Tetracontane (C40)	21.574	2971273	20.202 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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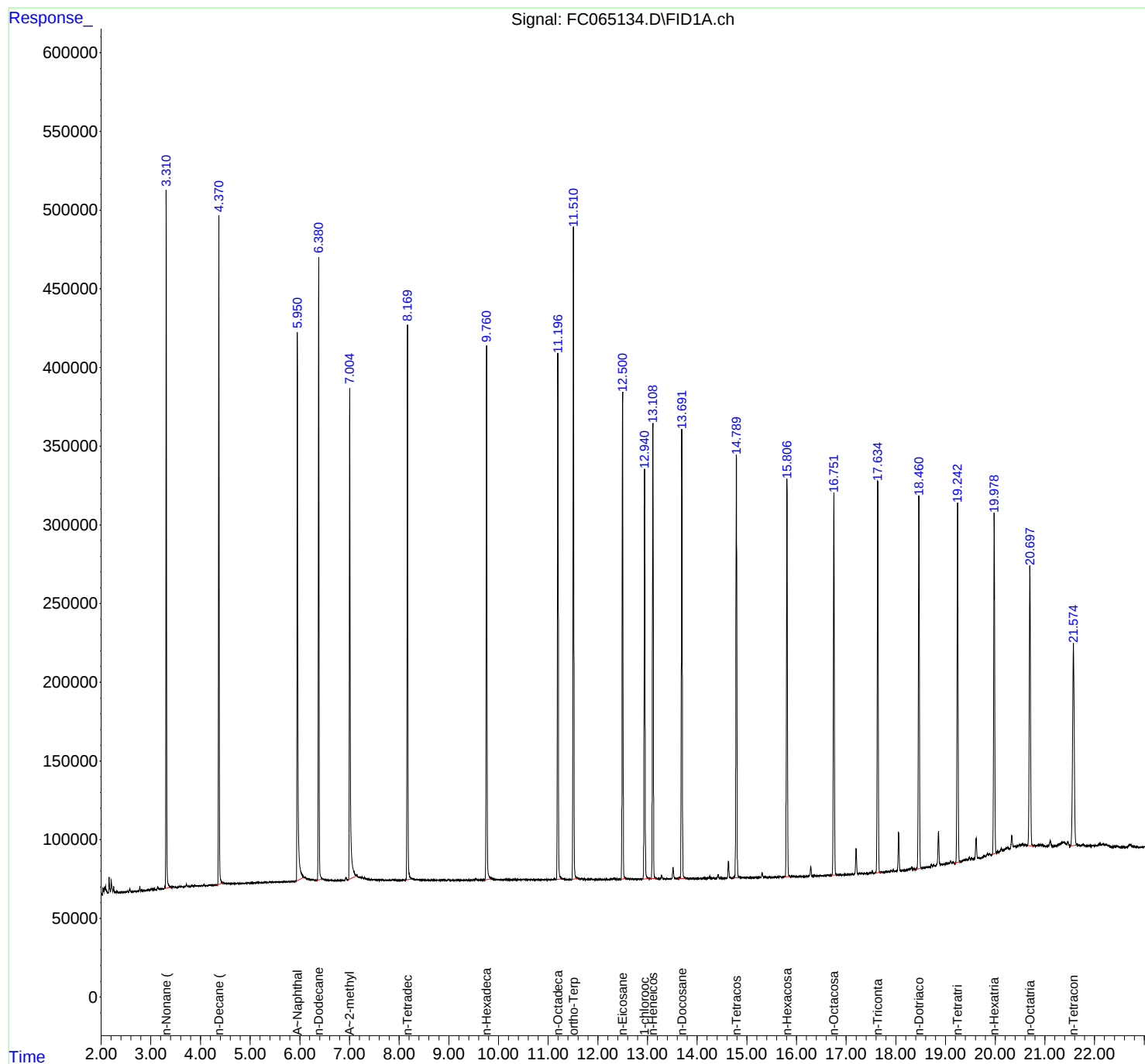
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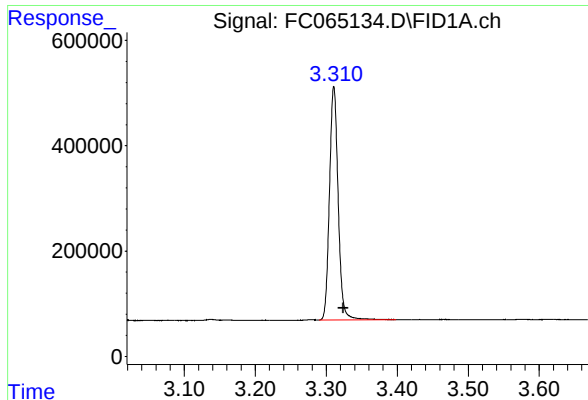
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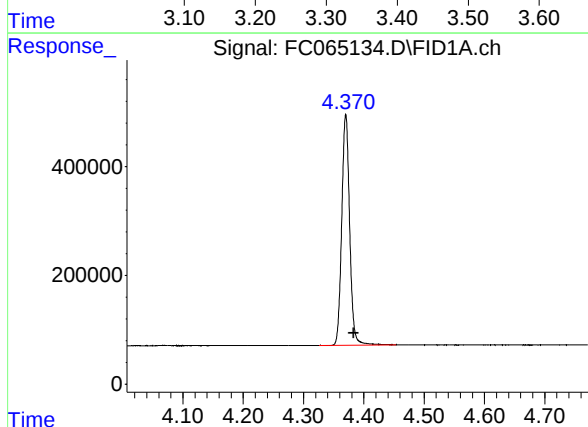
#1 n-Nonane (C9)

R.T.: 3.311 min
Delta R.T.: -0.013 min
Response: 3781321
Conc: 20.00 ug/ml

Instrument : FID_C
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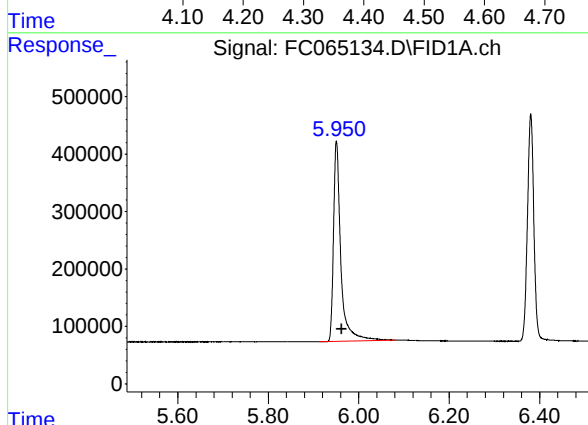
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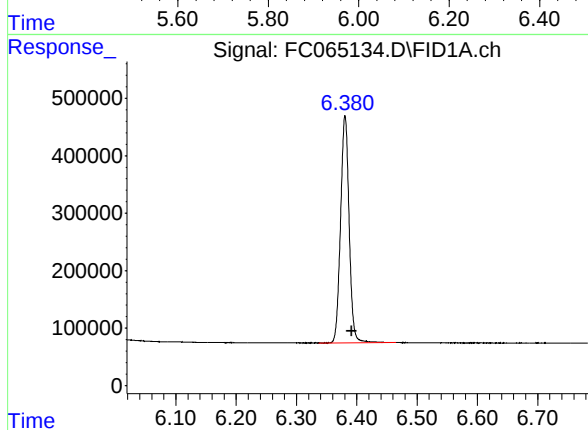
#2 n-Decane (C10)

R.T.: 4.370 min
Delta R.T.: -0.013 min
Response: 3867229
Conc: 20.34 ug/ml



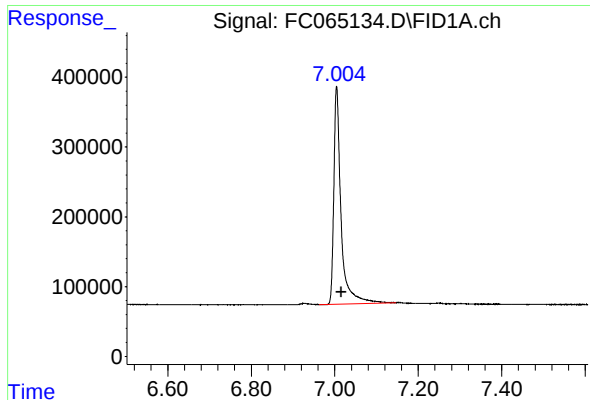
#3 A~Naphthalene (C11.7)

R.T.: 5.951 min
Delta R.T.: -0.012 min
Response: 3936219
Conc: 20.39 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.381 min
Delta R.T.: -0.011 min
Response: 3898811
Conc: 20.18 ug/ml



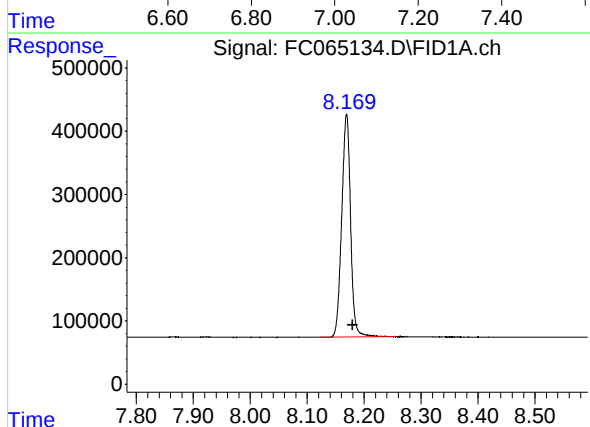
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.005 min
Delta R.T.: -0.011 min
Response: 3747190
Conc: 20.39 ug/ml

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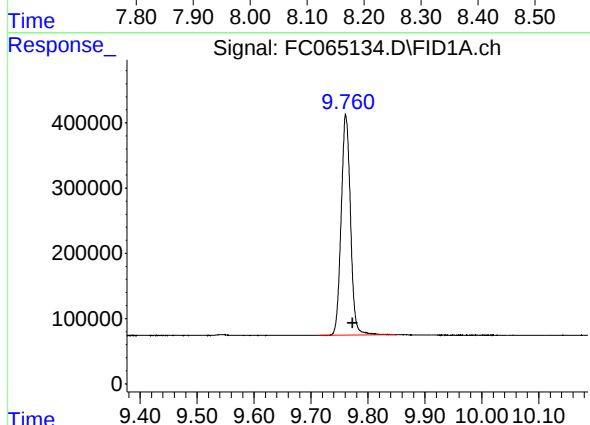
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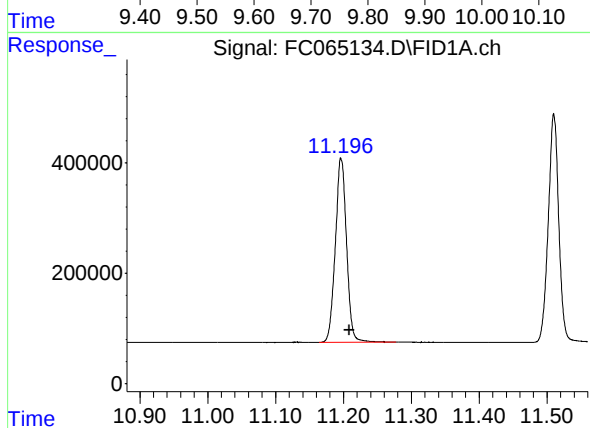
#6 n-Tetradecane (C14)

R.T.: 8.169 min
Delta R.T.: -0.010 min
Response: 3813975
Conc: 20.21 ug/ml



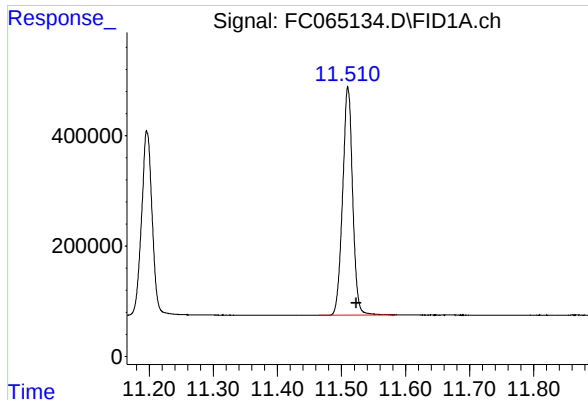
#7 n-Hexadecane (C16)

R.T.: 9.761 min
Delta R.T.: -0.012 min
Response: 3848297
Conc: 20.36 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.197 min
Delta R.T.: -0.012 min
Response: 3835139
Conc: 20.32 ug/ml



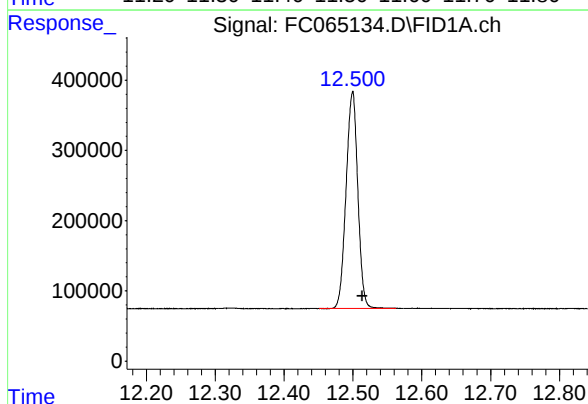
#9 ortho-Terphenyl (SURR)

R.T.: 11.510 min
Delta R.T.: -0.013 min
Response: 4459945
Conc: 20.26 ug/ml

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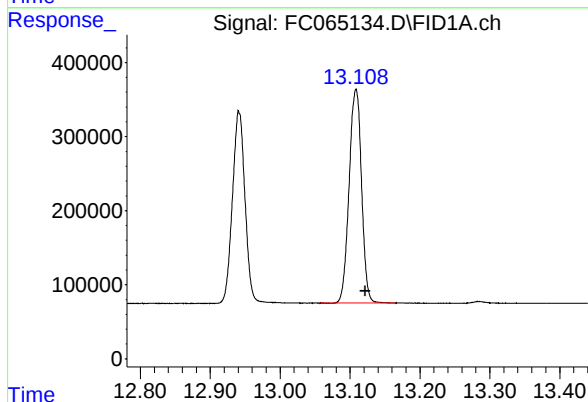
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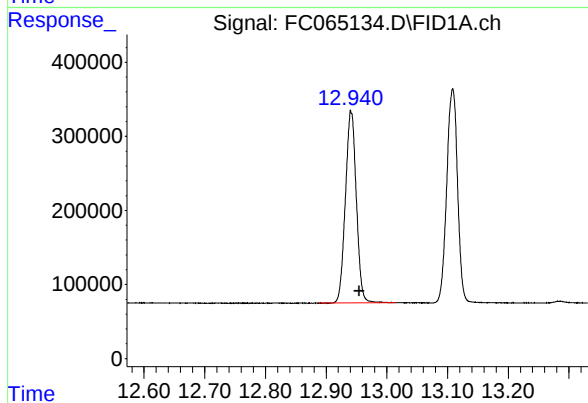
#10 n-Eicosane (C20)

R.T.: 12.500 min
Delta R.T.: -0.014 min
Response: 3655159
Conc: 20.33 ug/ml



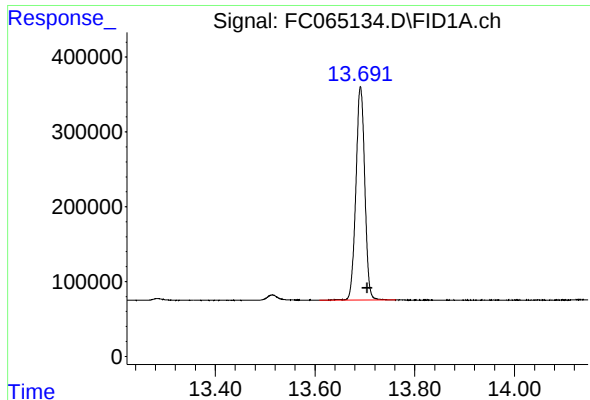
#11 n-Heneicosane (C21)

R.T.: 13.109 min
Delta R.T.: -0.013 min
Response: 3570164
Conc: 20.33 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.941 min
Delta R.T.: -0.014 min
Response: 3244777
Conc: 20.53 ug/ml



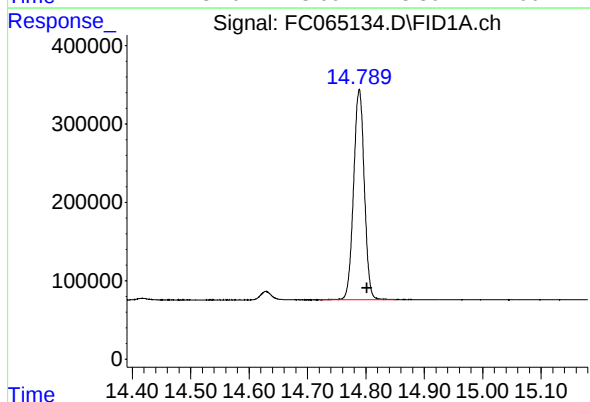
#13 n-Docosane (C22)

R.T.: 13.691 min
Delta R.T.: -0.014 min
Response: 3527550
Conc: 20.54 ug/ml

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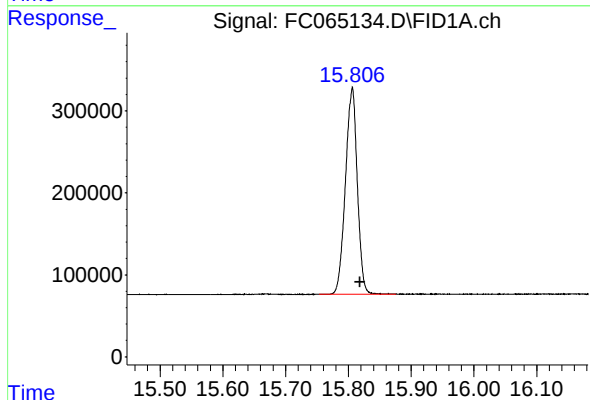
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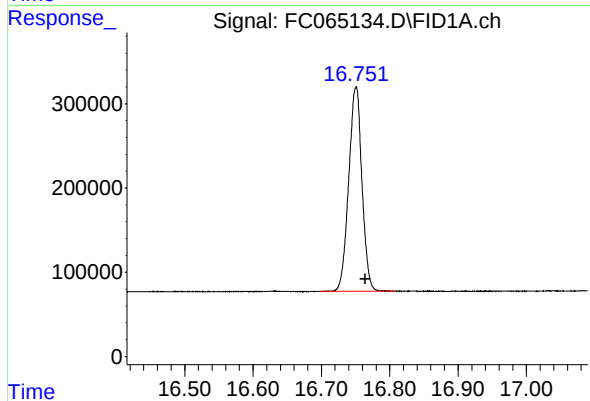
#14 n-Tetracosane (C24)

R.T.: 14.789 min
Delta R.T.: -0.014 min
Response: 3425390
Conc: 20.57 ug/ml



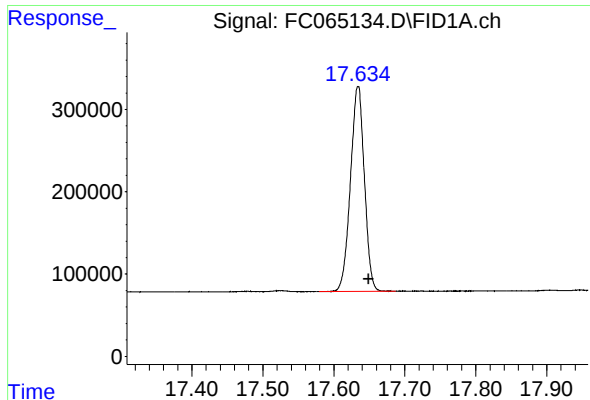
#15 n-Hexacosane (C26)

R.T.: 15.806 min
Delta R.T.: -0.012 min
Response: 3308269
Conc: 20.61 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.751 min
Delta R.T.: -0.014 min
Response: 3261193
Conc: 20.84 ug/ml



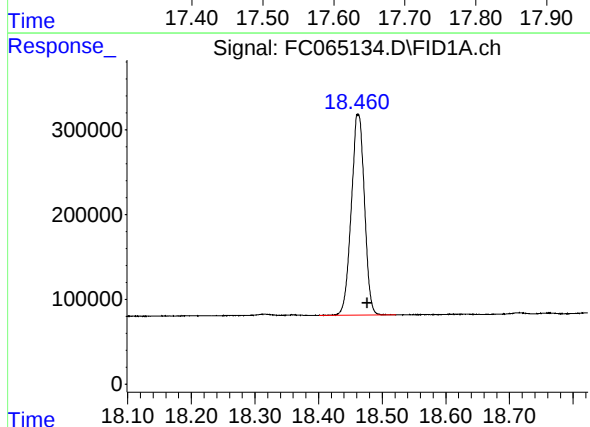
#17 n-Tricontane (C30)

R.T.: 17.634 min
Delta R.T.: -0.015 min
Response: 3396606
Conc: 21.44 ug/ml

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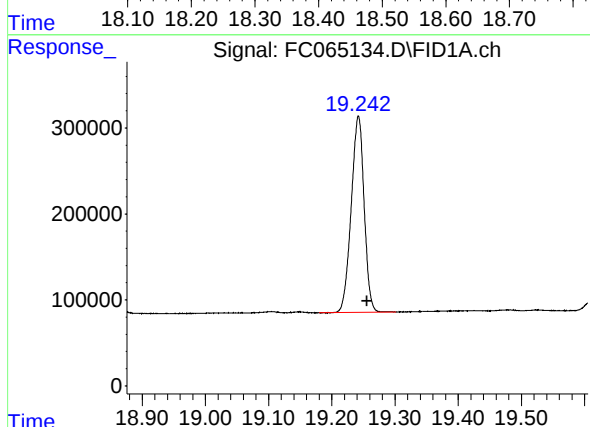
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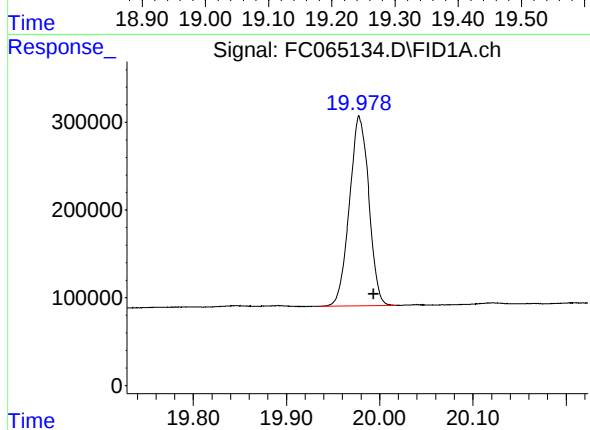
#18 n-Dotriacontane (C32)

R.T.: 18.462 min
Delta R.T.: -0.015 min
Response: 3409522
Conc: 21.59 ug/ml



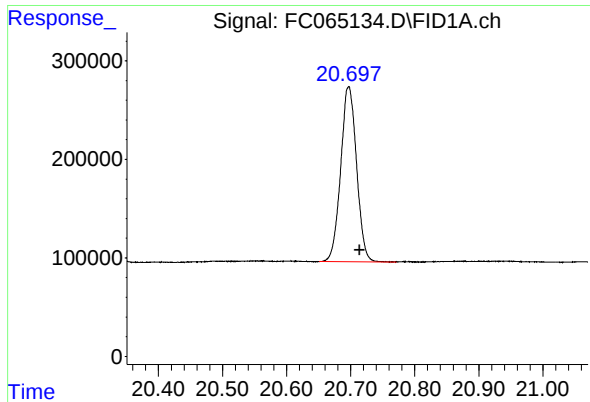
#19 n-Tetatriacontane (C34)

R.T.: 19.242 min
Delta R.T.: -0.013 min
Response: 3243769
Conc: 21.25 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.978 min
Delta R.T.: -0.016 min
Response: 3117481
Conc: 20.66 ug/ml m



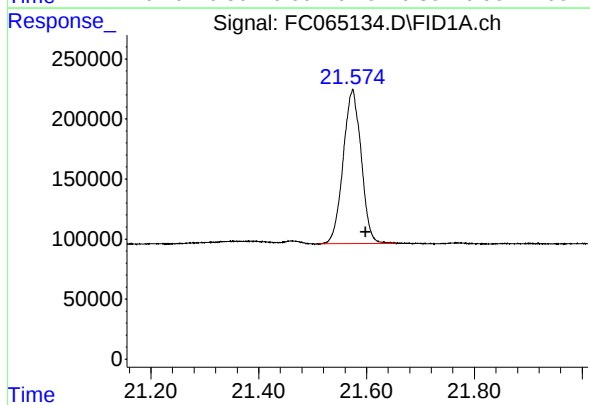
#21 n-Octatriacontane (C38)

R.T.: 20.697 min
Delta R.T.: -0.017 min
Response: 3046277
Conc: 20.47 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.574 min
Delta R.T.: -0.024 min
Response: 2971273
Conc: 20.20 ug/ml m