

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071823AL\
 Data File : FC064132.D
 Signal(s) : FID1A.ch
 Acq On : 18 Jul 2023 07:36
 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 07/19/2023
 Supervised By :Ankita Jodhani 07/19/2023

Integration File: autoint1.e
 Quant Time: Jul 19 03:07:03 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 062423.M
 Quant Title : GC Extractables
 QLast Update : Sun Jun 25 04:03:48 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)	11.519	3863941	19.900 ug/ml
Spiked Amount 50.000		Recovery =	39.80%
12) S 1-chlorooctadecane (S...	12.954	2761927	19.851 ug/ml
Spiked Amount 50.000		Recovery =	39.70%
Target Compounds			
1) T n-Nonane (C9)	3.304	3494092	19.591 ug/ml
2) T n-Decane (C10)	4.366	3546046	19.596 ug/ml
3) T A~Naphthalene (C11.7)	5.946	3608562	19.346 ug/ml
4) T n-Dodecane (C12)	6.379	3532528	19.609 ug/ml
5) T A~2-methylnaphthalene...	7.001	3425373	19.464 ug/ml
6) T n-Tetradecane (C14)	8.170	3423172	19.788 ug/ml
7) T n-Hexadecane (C16)	9.768	3447624	19.847 ug/ml
8) T n-Octadecane (C18)	11.206	3442865	19.976 ug/ml
10) T n-Eicosane (C20)	12.512	3243042	19.866 ug/ml
11) T n-Heneicosane (C21)	13.122	3163680	19.746 ug/ml
13) T n-Docosane (C22)	13.706	3115716	19.828 ug/ml
14) T n-Tetracosane (C24)	14.806	3064361	19.441 ug/ml
15) T n-Hexacosane (C26)	15.821	2998700	19.848 ug/ml
16) T n-Octacosane (C28)	16.768	2955019	19.611 ug/ml
17) T n-Tricontane (C30)	17.655	3078719	19.719 ug/ml
18) T n-Dotriacontane (C32)	18.482	3088484	19.550 ug/ml
19) T n-Tetratriacontane (C34)	19.264	3034156	19.718 ug/ml
20) T n-Hexatriacontane (C36)	20.000	2938861	19.906 ug/mlm
21) T n-Octatriacontane (C38)	20.725	2943428	19.871 ug/ml
22) T n-Tetracontane (C40)	21.606	2920337	20.036 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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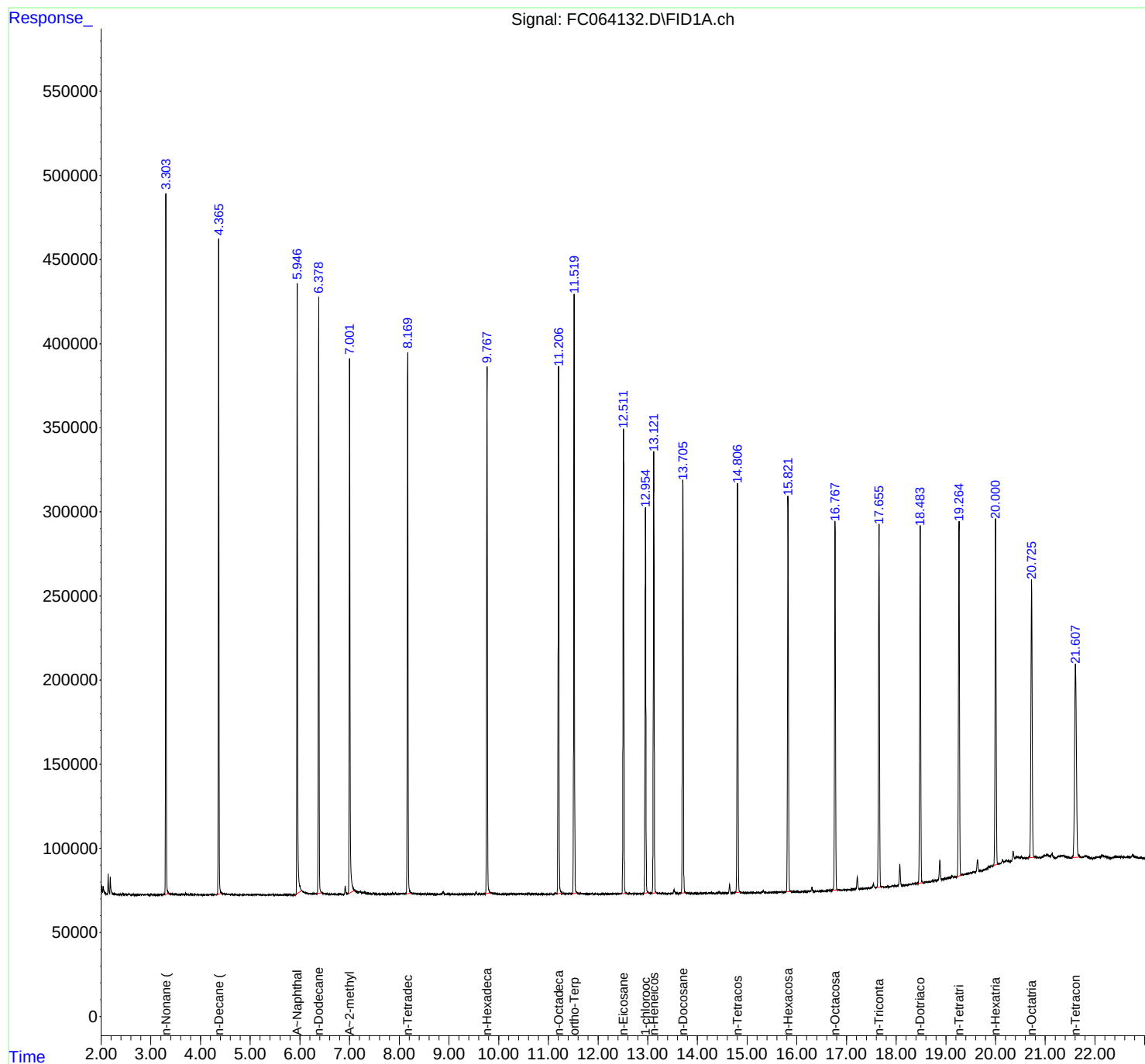
Instrument :
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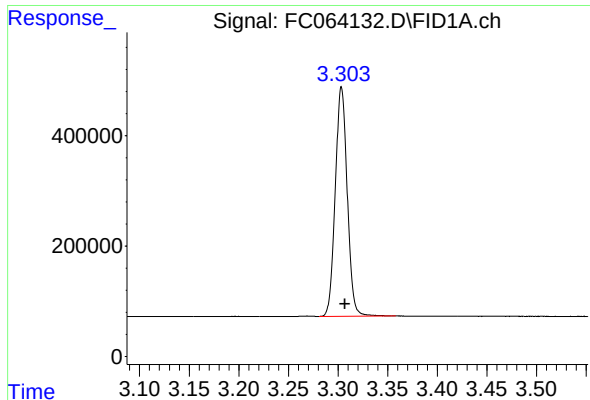
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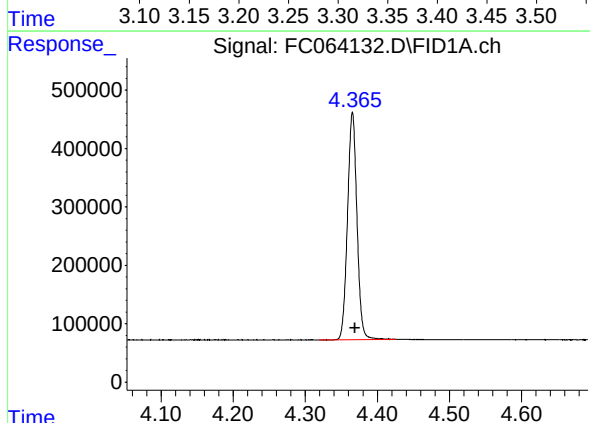
#1 n-Nonane (C9)

R.T.: 3.304 min
Delta R.T.: -0.003 min
Response: 3494092
Conc: 19.59 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

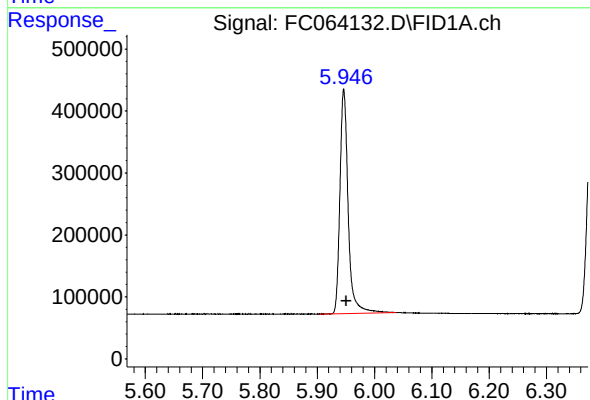
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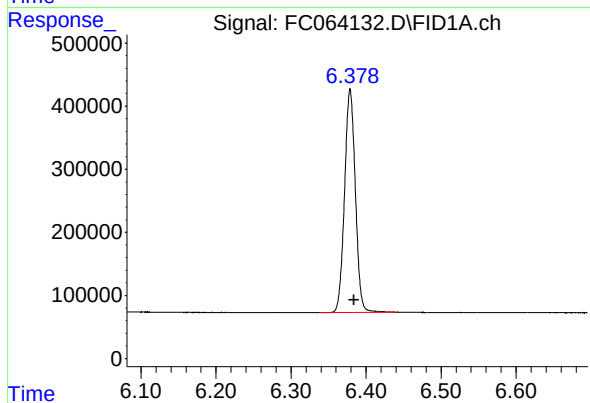
#2 n-Decane (C10)

R.T.: 4.366 min
Delta R.T.: -0.004 min
Response: 3546046
Conc: 19.60 ug/ml



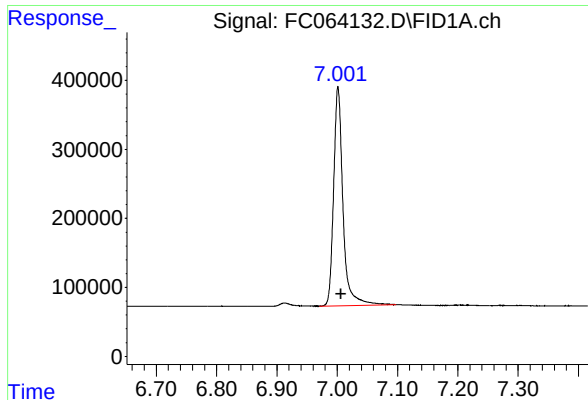
#3 A~Naphthalene (C11.7)

R.T.: 5.946 min
Delta R.T.: -0.004 min
Response: 3608562
Conc: 19.35 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.379 min
Delta R.T.: -0.005 min
Response: 3532528
Conc: 19.61 ug/ml



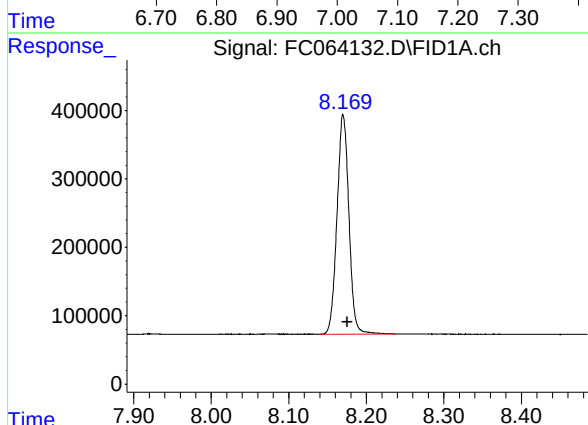
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.001 min
Delta R.T.: -0.004 min
Response: 3425373
Conc: 19.46 ug/ml

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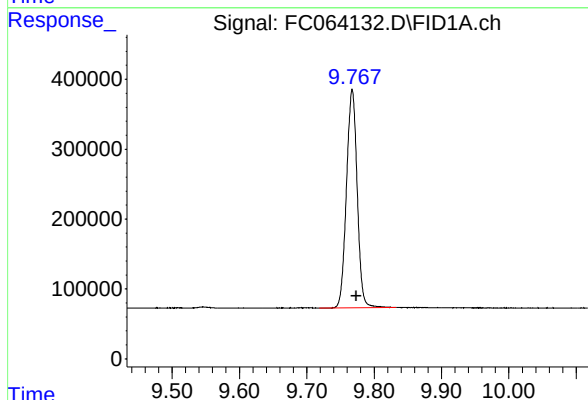
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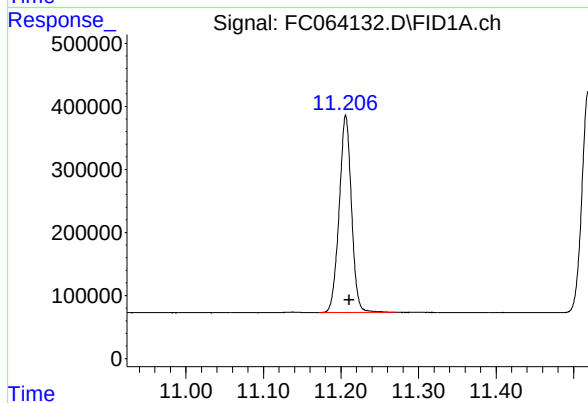
#6 n-Tetradecane (C14)

R.T.: 8.170 min
Delta R.T.: -0.005 min
Response: 3423172
Conc: 19.79 ug/ml



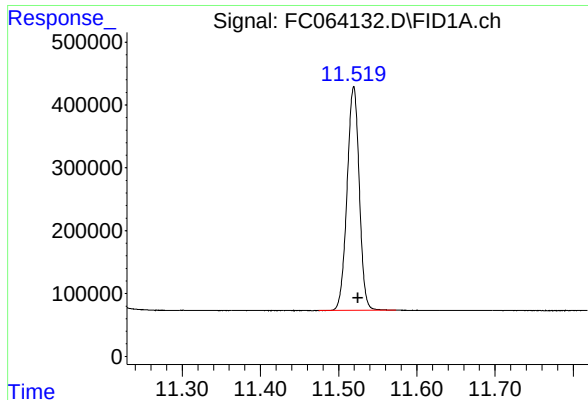
#7 n-Hexadecane (C16)

R.T.: 9.768 min
Delta R.T.: -0.006 min
Response: 3447624
Conc: 19.85 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.206 min
Delta R.T.: -0.005 min
Response: 3442865
Conc: 19.98 ug/ml



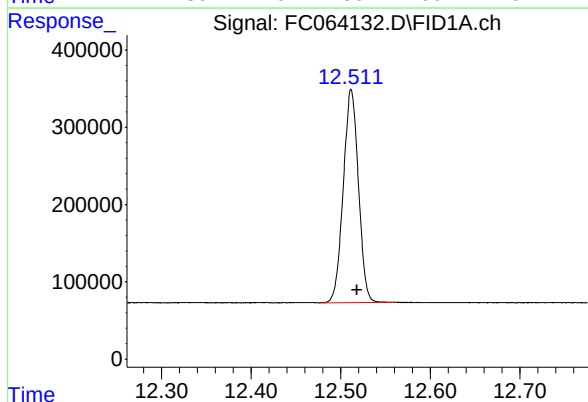
#9 ortho-Terphenyl (SURR)

R.T.: 11.519 min
Delta R.T.: -0.006 min
Response: 3863941
Conc: 19.90 ug/ml

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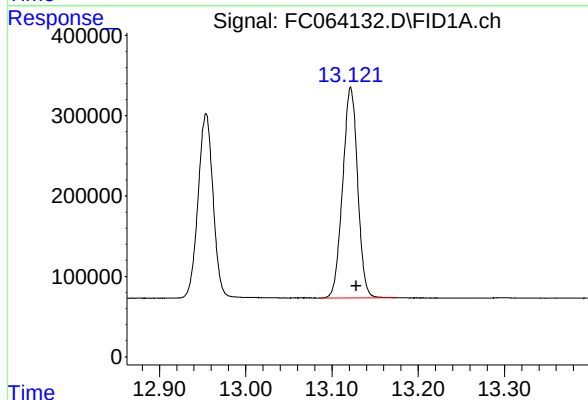
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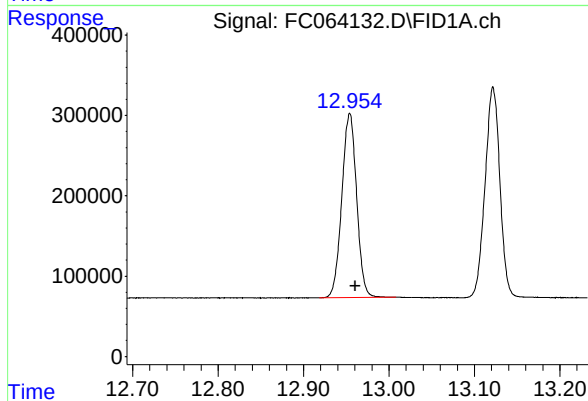
#10 n-Eicosane (C20)

R.T.: 12.512 min
Delta R.T.: -0.006 min
Response: 3243042
Conc: 19.87 ug/ml



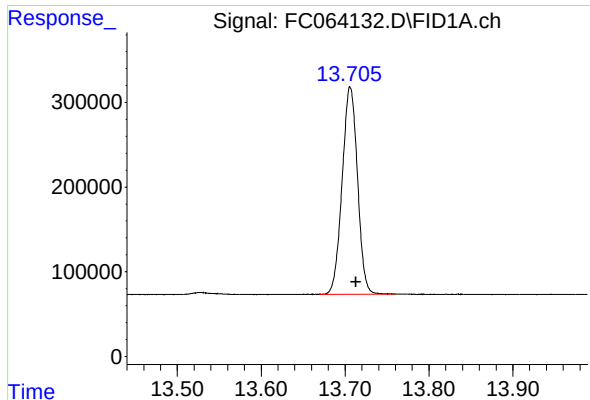
#11 n-Heneicosane (C21)

R.T.: 13.122 min
Delta R.T.: -0.006 min
Response: 3163680
Conc: 19.75 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.954 min
Delta R.T.: -0.006 min
Response: 2761927
Conc: 19.85 ug/ml



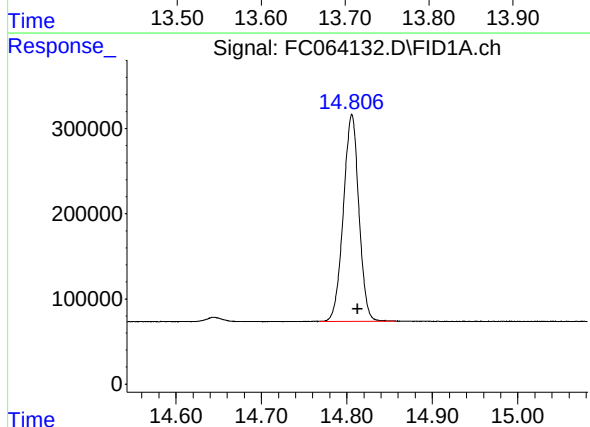
#13 n-Docosane (C22)

R.T.: 13.706 min
Delta R.T.: -0.007 min
Response: 3115716
Conc: 19.83 ug/ml

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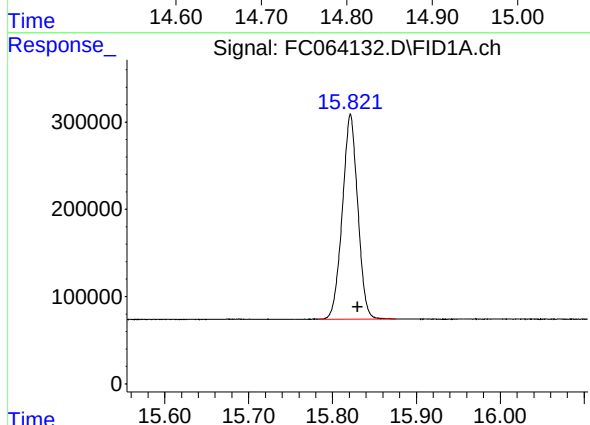
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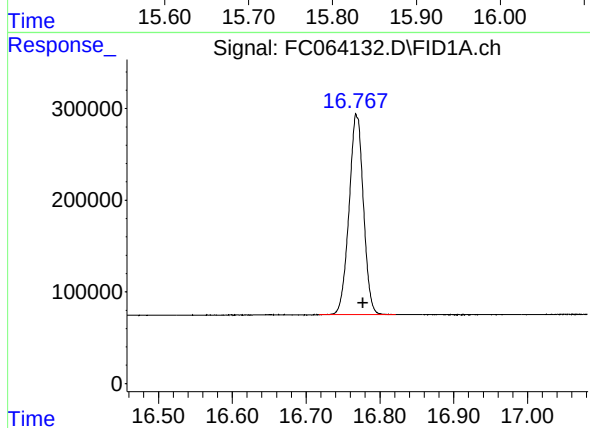
#14 n-Tetracosane (C24)

R.T.: 14.806 min
Delta R.T.: -0.006 min
Response: 3064361
Conc: 19.44 ug/ml



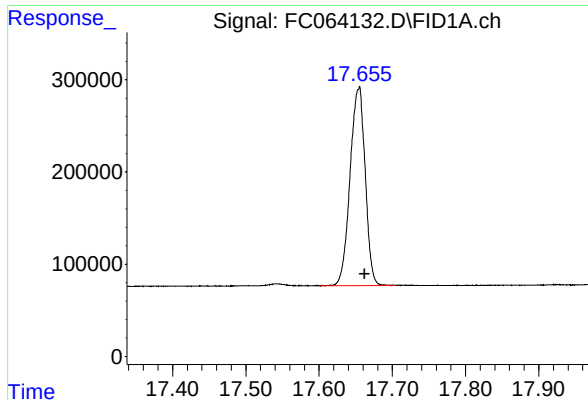
#15 n-Hexacosane (C26)

R.T.: 15.821 min
Delta R.T.: -0.009 min
Response: 2998700
Conc: 19.85 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.768 min
Delta R.T.: -0.009 min
Response: 2955019
Conc: 19.61 ug/ml



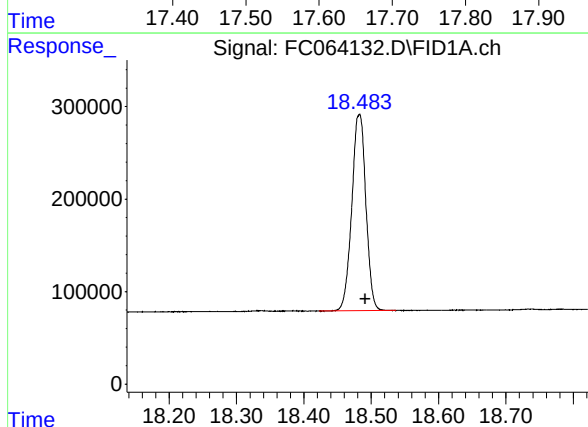
#17 n-Tricontane (C30)

R.T.: 17.655 min
Delta R.T.: -0.008 min
Response: 3078719
Conc: 19.72 ug/ml

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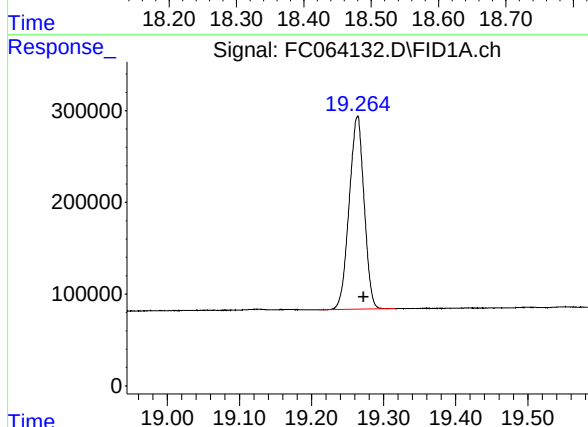
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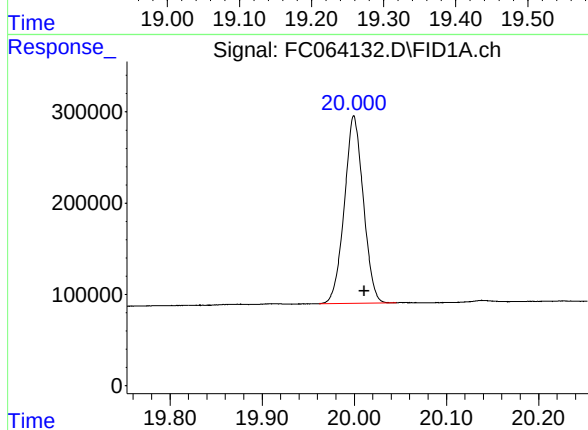
#18 n-Dotriacontane (C32)

R.T.: 18.482 min
Delta R.T.: -0.009 min
Response: 3088484
Conc: 19.55 ug/ml



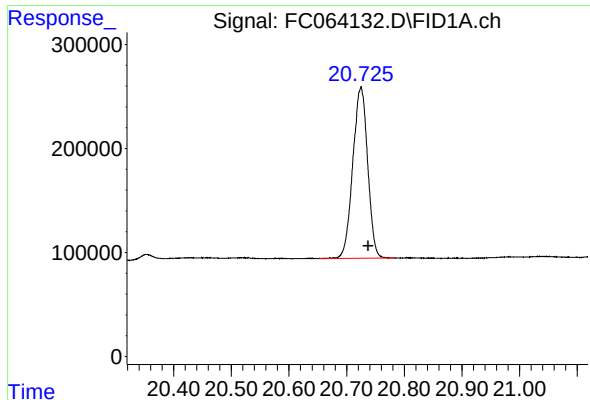
#19 n-Tetratriacontane (C34)

R.T.: 19.264 min
Delta R.T.: -0.008 min
Response: 3034156
Conc: 19.72 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.000 min
Delta R.T.: -0.011 min
Response: 2938861
Conc: 19.91 ug/ml m



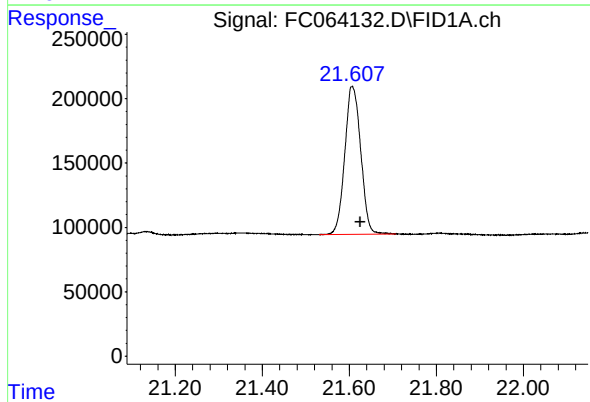
#21 n-Octatriacontane (C38)

R.T.: 20.725 min
Delta R.T.: -0.013 min
Response: 2943428
Conc: 19.87 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.606 min
Delta R.T.: -0.019 min
Response: 2920337
Conc: 20.04 ug/ml