

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC090523AL\
 Data File : FC064510.D
 Signal(s) : FID1A.ch
 Acq On : 06 Sep 2023 03:03
 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 09/06/2023
 Supervised By :Ankita Jodhani 09/06/2023

Integration File: autoint1.e
 Quant Time: Sep 06 04:03:31 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 081823.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 18 14:31:35 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	4056644	19.108 ug/ml
Spiked Amount 50.000		Recovery =	38.22%
12) S 1-chlorooctadecane (S...	12.945	2959710	19.412 ug/ml
Spiked Amount 50.000		Recovery =	38.82%
Target Compounds			
1) T n-Nonane (C9)	3.303	3463875	19.626 ug/ml
2) T n-Decane (C10)	4.363	3525987	20.100 ug/ml
3) T A~Naphthalene (C11.7)	5.942	3712040	19.962 ug/ml
4) T n-Dodecane (C12)	6.375	3577421	20.070 ug/ml
5) T A~2-methylnaphthalene...	6.996	3644687	20.489 ug/ml
6) T n-Tetradecane (C14)	8.163	3499642	20.060 ug/ml
7) T n-Hexadecane (C16)	9.760	3504672	20.280 ug/ml
8) T n-Octadecane (C18)	11.198	3478529	19.869 ug/ml
10) T n-Eicosane (C20)	12.503	3308324	19.557 ug/ml
11) T n-Heneicosane (C21)	13.113	3230628	19.356 ug/ml
13) T n-Docosane (C22)	13.697	3164881	19.403 ug/ml
14) T n-Tetracosane (C24)	14.795	3044586	19.118 ug/ml
15) T n-Hexacosane (C26)	15.813	2915075	18.868 ug/ml
16) T n-Octacosane (C28)	16.758	2815387	19.017 ug/ml
17) T n-Tricontane (C30)	17.641	2827017	19.354 ug/ml
18) T n-Dotriacontane (C32)	18.472	2799442	19.818 ug/ml
19) T n-Tetratriacontane (C34)	19.252	2716026	20.327 ug/mlm
20) T n-Hexatriacontane (C36)	19.988	2670500	20.870 ug/ml
21) T n-Octatriacontane (C38)	20.711	2684091	21.858 ug/ml
22) T n-Tetracontane (C40)	21.593	2617163	22.536 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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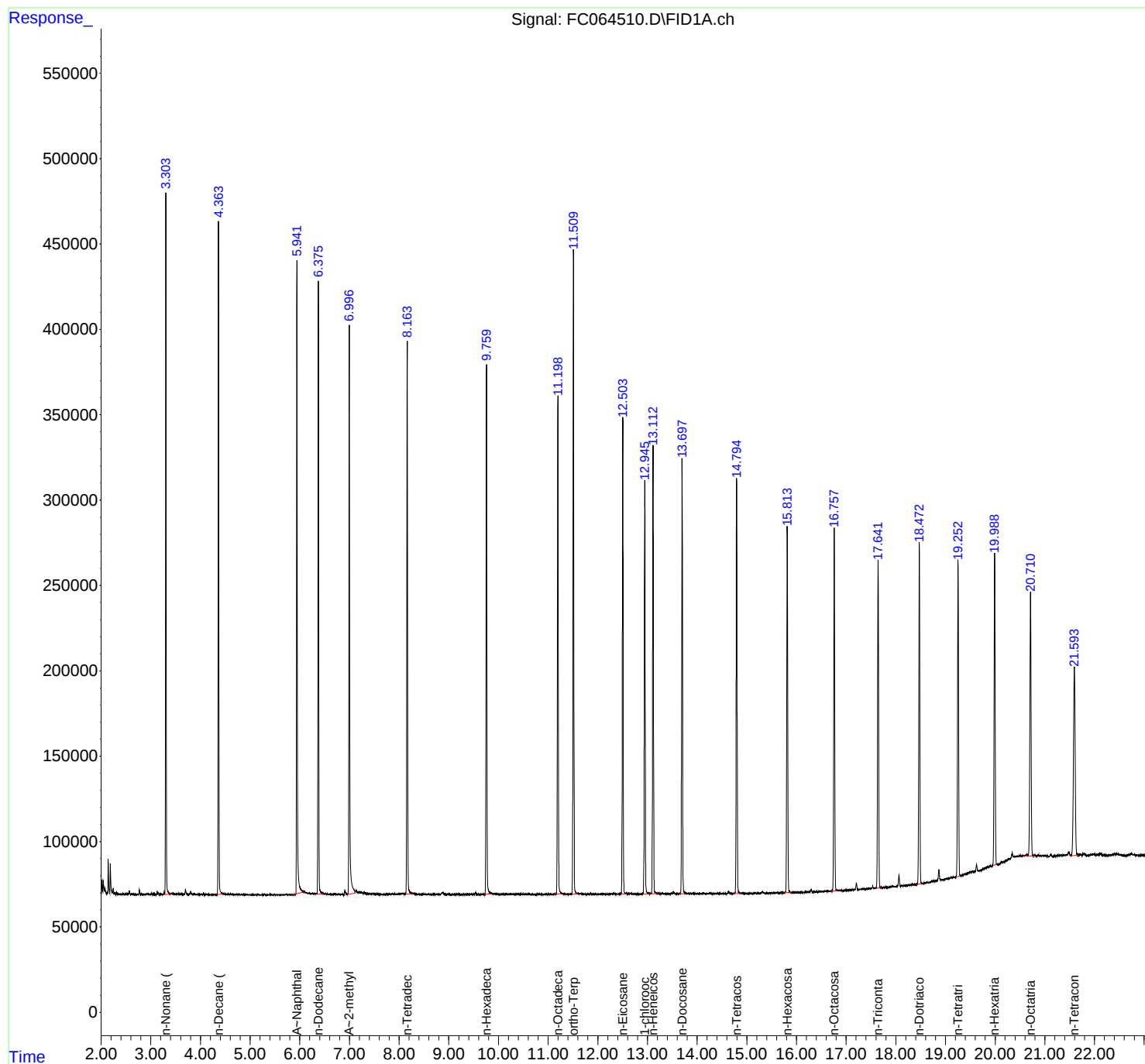
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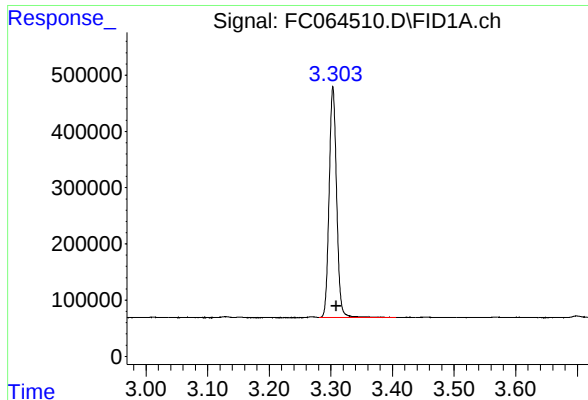
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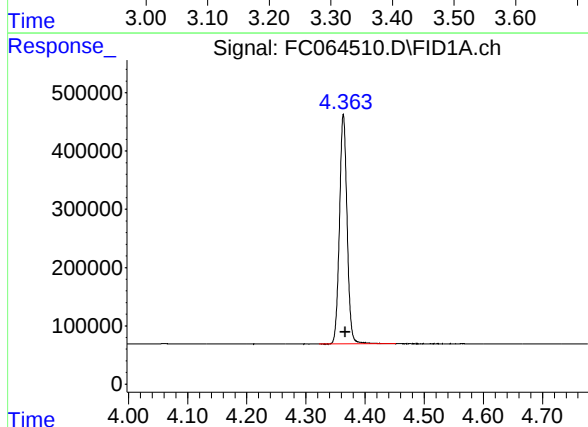
#1 n-Nonane (C9)

R.T.: 3.303 min
Delta R.T.: -0.006 min
Response: 3463875
Conc: 19.63 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

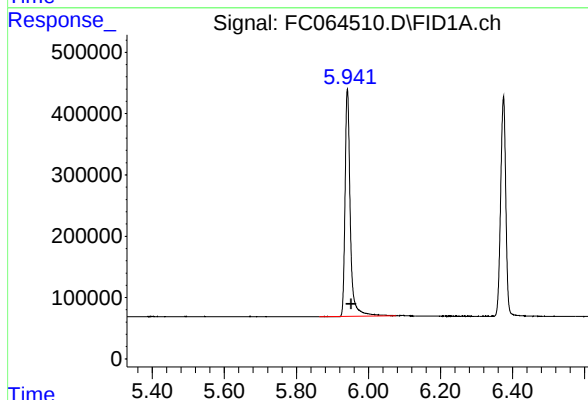
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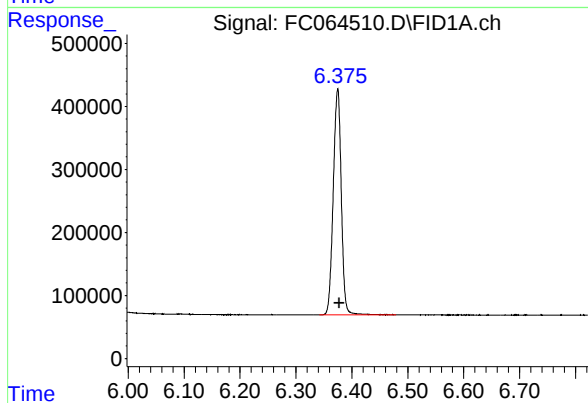
#2 n-Decane (C10)

R.T.: 4.363 min
Delta R.T.: -0.003 min
Response: 3525987
Conc: 20.10 ug/ml



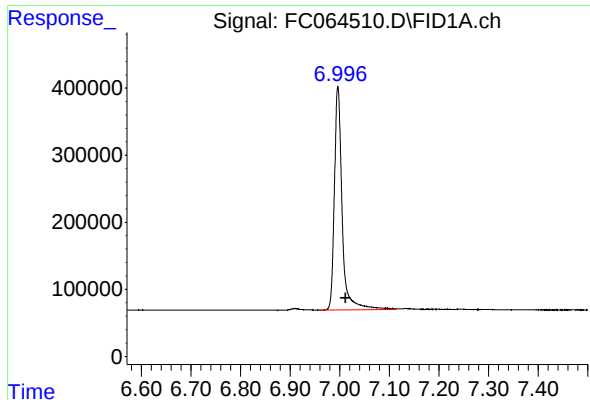
#3 A~Naphthalene (C11.7)

R.T.: 5.942 min
Delta R.T.: -0.011 min
Response: 3712040
Conc: 19.96 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.375 min
Delta R.T.: -0.002 min
Response: 3577421
Conc: 20.07 ug/ml



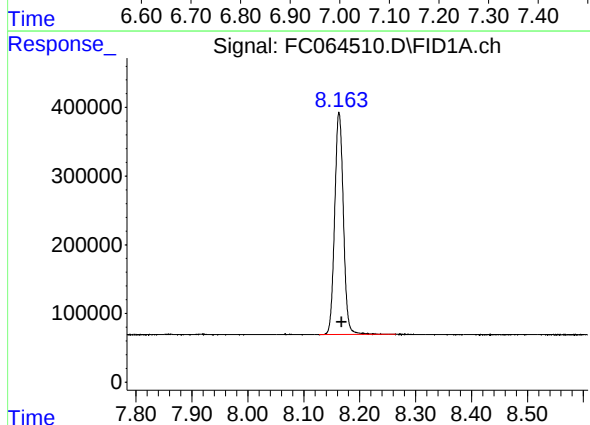
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.996 min
Delta R.T.: -0.016 min
Response: 3644687
Conc: 20.49 ug/ml

Instrument : FID_C
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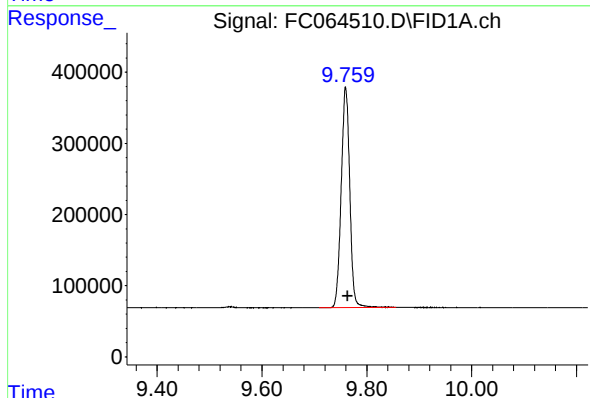
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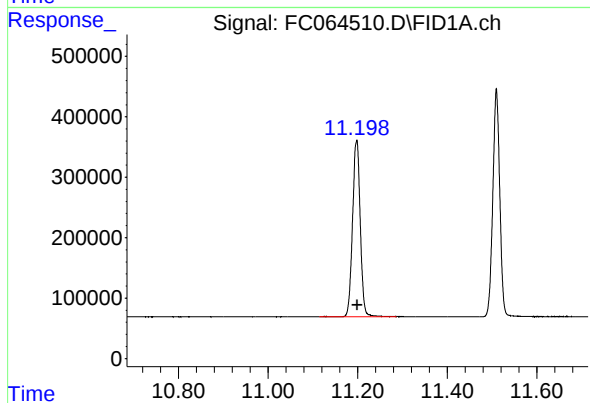
#6 n-Tetradecane (C14)

R.T.: 8.163 min
Delta R.T.: -0.004 min
Response: 3499642
Conc: 20.06 ug/ml



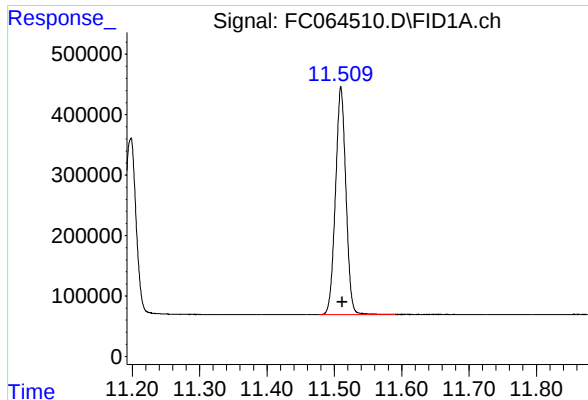
#7 n-Hexadecane (C16)

R.T.: 9.760 min
Delta R.T.: -0.004 min
Response: 3504672
Conc: 20.28 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.198 min
Delta R.T.: 0.000 min
Response: 3478529
Conc: 19.87 ug/ml



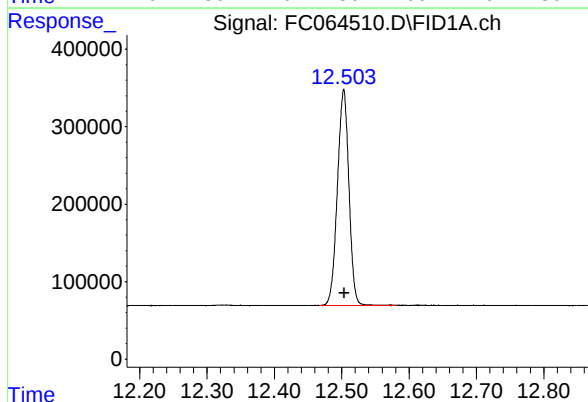
#9 ortho-Terphenyl (SURR)

R.T.: 11.510 min
Delta R.T.: -0.002 min
Response: 4056644
Conc: 19.11 ug/ml

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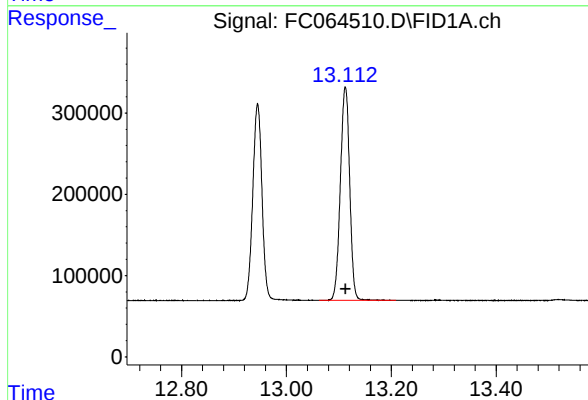
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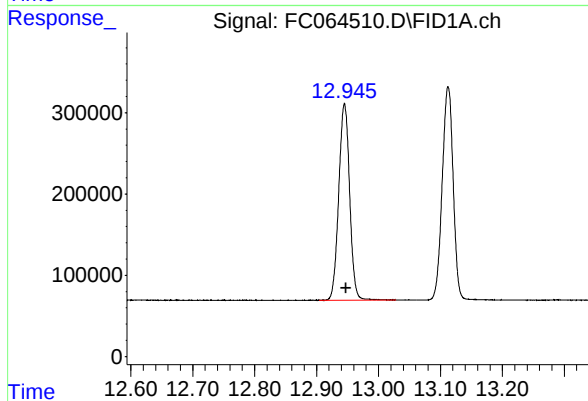
#10 n-Eicosane (C20)

R.T.: 12.503 min
Delta R.T.: -0.001 min
Response: 3308324
Conc: 19.56 ug/ml



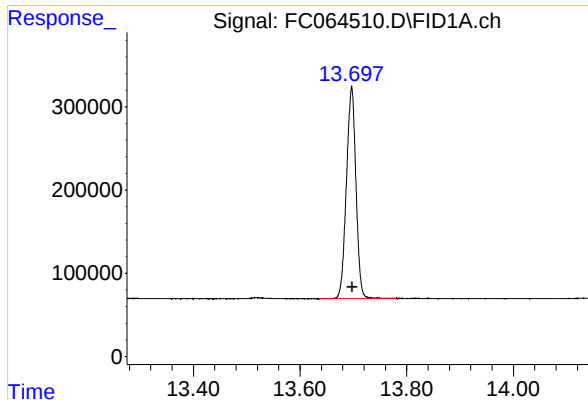
#11 n-Heneicosane (C21)

R.T.: 13.113 min
Delta R.T.: 0.000 min
Response: 3230628
Conc: 19.36 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.945 min
Delta R.T.: -0.002 min
Response: 2959710
Conc: 19.41 ug/ml



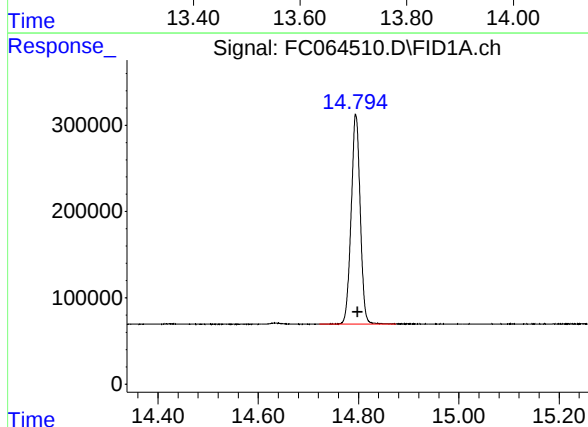
#13 n-Docosane (C22)

R.T.: 13.697 min
Delta R.T.: -0.001 min
Response: 3164881
Conc: 19.40 ug/ml

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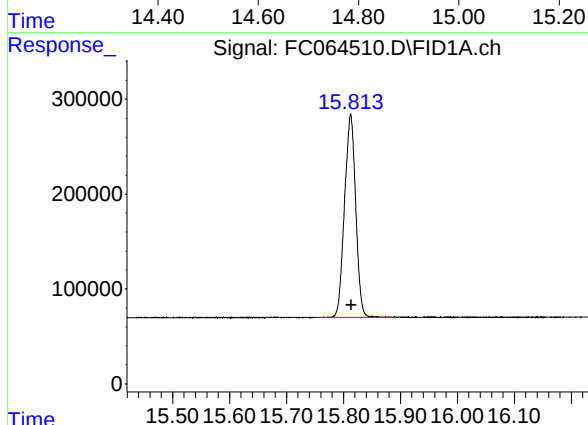
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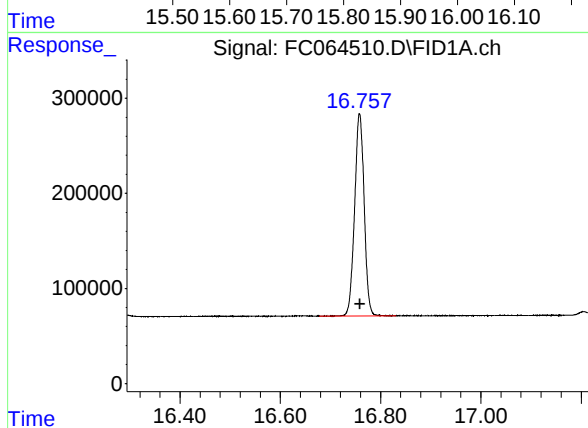
#14 n-Tetracosane (C24)

R.T.: 14.795 min
Delta R.T.: -0.004 min
Response: 3044586
Conc: 19.12 ug/ml



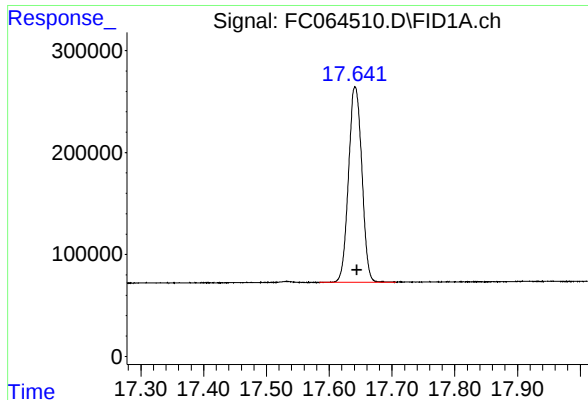
#15 n-Hexacosane (C26)

R.T.: 15.813 min
Delta R.T.: -0.001 min
Response: 2915075
Conc: 18.87 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.758 min
Delta R.T.: 0.000 min
Response: 2815387
Conc: 19.02 ug/ml



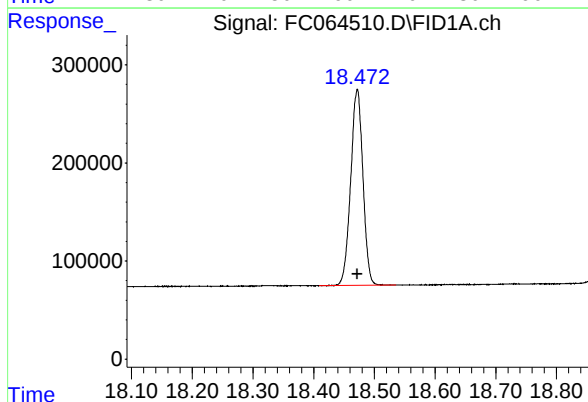
#17 n-Tricontane (C30)

R.T.: 17.641 min
Delta R.T.: -0.003 min
Response: 2827017
Conc: 19.35 ug/ml

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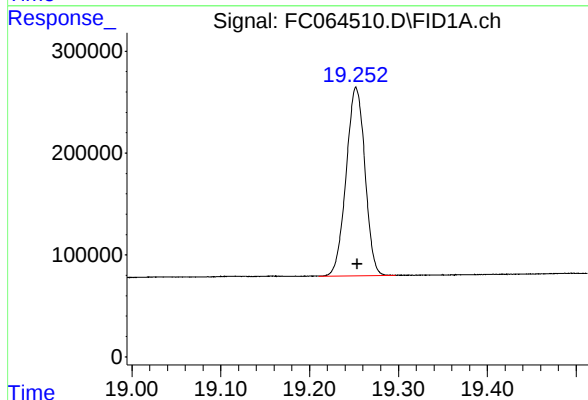
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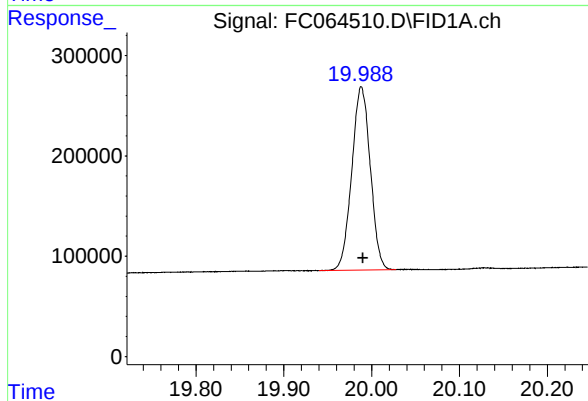
#18 n-Dotriacontane (C32)

R.T.: 18.472 min
Delta R.T.: 0.000 min
Response: 2799442
Conc: 19.82 ug/ml



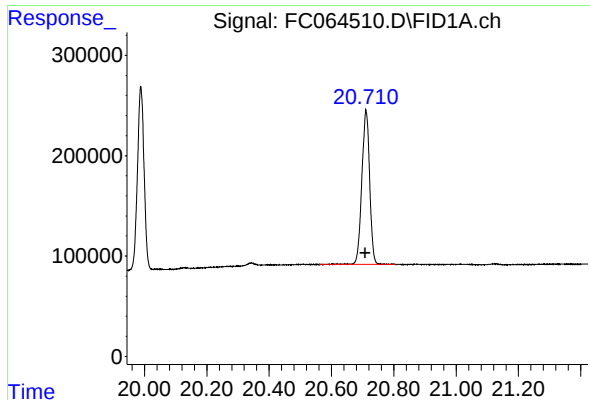
#19 n-Tetratriacontane (C34)

R.T.: 19.252 min
Delta R.T.: -0.002 min
Response: 2716026
Conc: 20.33 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.988 min
Delta R.T.: -0.002 min
Response: 2670500
Conc: 20.87 ug/ml



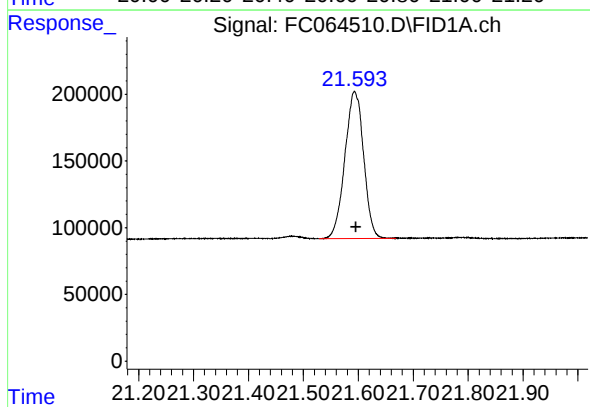
#21 n-Octatriacontane (C38)

R.T.: 20.711 min
Delta R.T.: 0.002 min
Response: 2684091
Conc: 21.86 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.593 min
Delta R.T.: -0.003 min
Response: 2617163
Conc: 22.54 ug/ml