

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052224AL\
 Data File : FC066440.D
 Signal(s) : FID1A.ch
 Acq On : 22 May 2024 13:02
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/23/2024
 Supervised By :Ankita Jodhani 05/23/2024

Integration File: autoint1.e
 Quant Time: May 23 03:12:14 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050124.M
 Quant Title : GC Extractables
 QLast Update : Thu May 02 09:03:15 2024
 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)	11.555	2900214	17.542 ug/ml
Spiked Amount 50.000		Recovery =	35.08%
12) S 1-chlorooctadecane (S...	12.994	2165313	17.653 ug/ml
Spiked Amount 50.000		Recovery =	35.31%
Target Compounds			
1) T n-Nonane (C9)	3.315	2434422	16.119 ug/ml
2) T n-Decane (C10)	4.381	2583829	16.802 ug/ml
3) T A~Naphthalene (C11.7)	5.963	2864495	16.860 ug/ml
4) T n-Dodecane (C12)	6.401	2624505	17.078 ug/ml
5) T A~2-methylnaphthalene...	7.019	2788110	16.917 ug/ml
6) T n-Tetradecane (C14)	8.197	2603175	17.201 ug/ml
7) T n-Hexadecane (C16)	9.798	2686694	17.571 ug/ml
8) T n-Octadecane (C18)	11.241	2702732	17.806 ug/ml
10) T n-Eicosane (C20)	12.551	2577172	17.915 ug/ml
11) T n-Heneicosane (C21)	13.162	2522316	17.944 ug/ml
13) T n-Docosane (C22)	13.749	2513787	17.955 ug/ml
14) T n-Tetracosane (C24)	14.852	2504538	17.791 ug/ml
15) T n-Hexacosane (C26)	15.872	2456479	17.959 ug/ml
16) T n-Octacosane (C28)	16.823	2473782	18.472 ug/ml
17) T n-Tricontane (C30)	17.711	2649305	19.659 ug/ml
18) T n-Dotriacontane (C32)	18.543	2657783	20.642 ug/ml
19) T n-Tetratriacontane (C34)	19.326	2476560	20.932 ug/mlm
20) T n-Hexatriacontane (C36)	20.066	2284948	19.879 ug/ml
21) T n-Octatriacontane (C38)	20.800	2174849	20.206 ug/ml
22) T n-Tetracontane (C40)	21.709	2083047	19.425 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Misc :
ALS Vial : 3 Sample Multiplier: 1

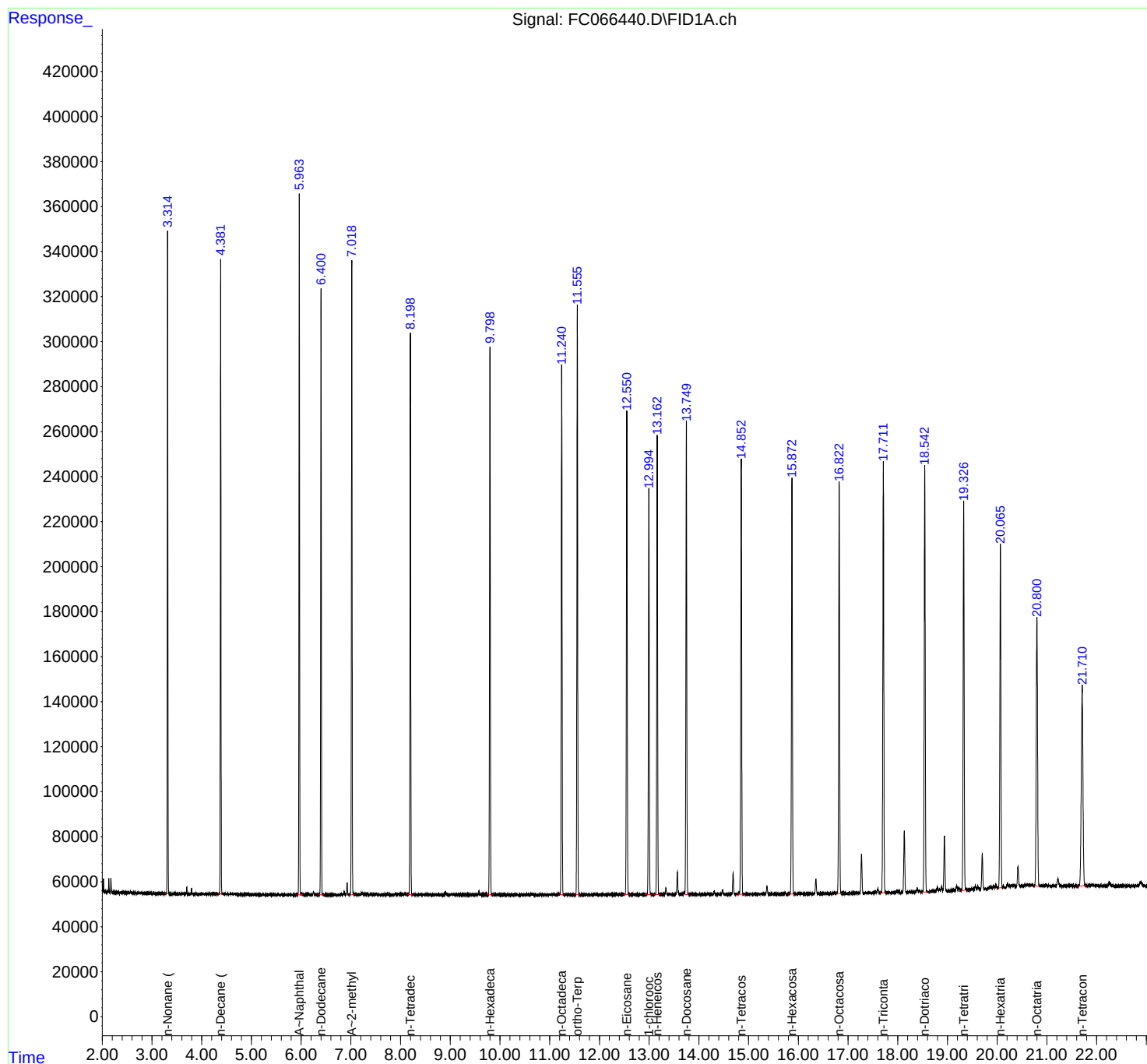
Instrument :
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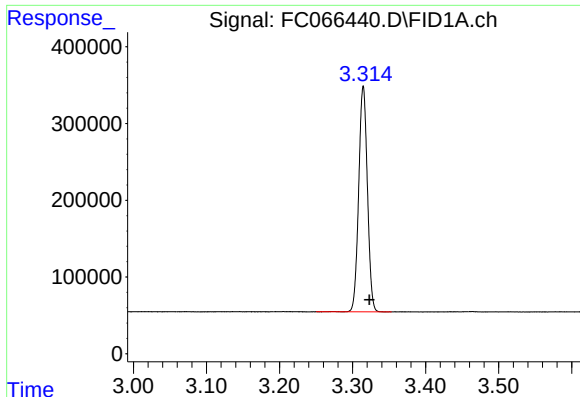
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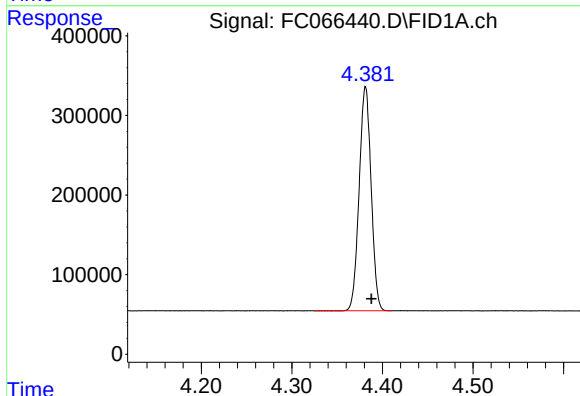
#1 n-Nonane (C9)

R.T.: 3.315 min
Delta R.T.: -0.008 min
Response: 2434422
Conc: 16.12 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

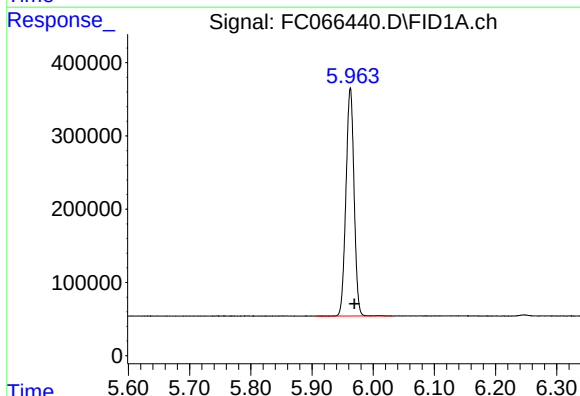
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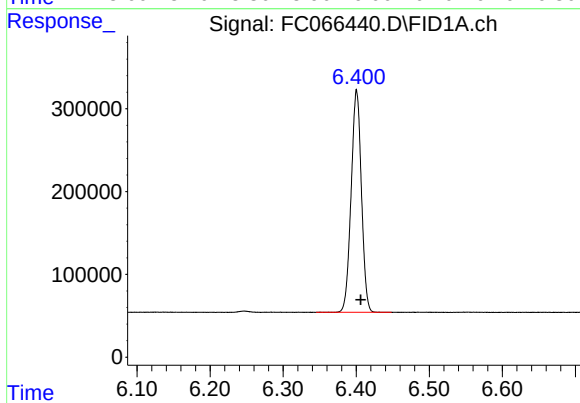
#2 n-Decane (C10)

R.T.: 4.381 min
Delta R.T.: -0.007 min
Response: 2583829
Conc: 16.80 ug/ml



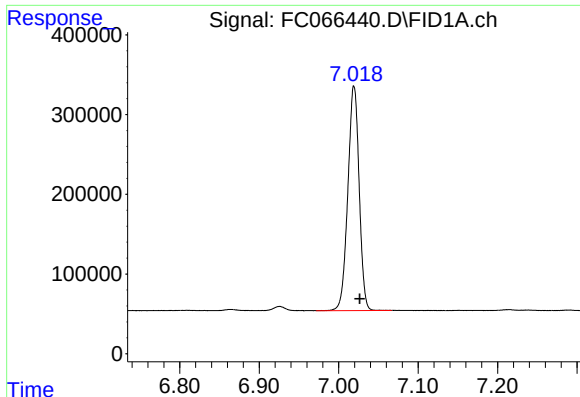
#3 A~Naphthalene (C11.7)

R.T.: 5.963 min
Delta R.T.: -0.007 min
Response: 2864495
Conc: 16.86 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.401 min
Delta R.T.: -0.006 min
Response: 2624505
Conc: 17.08 ug/ml



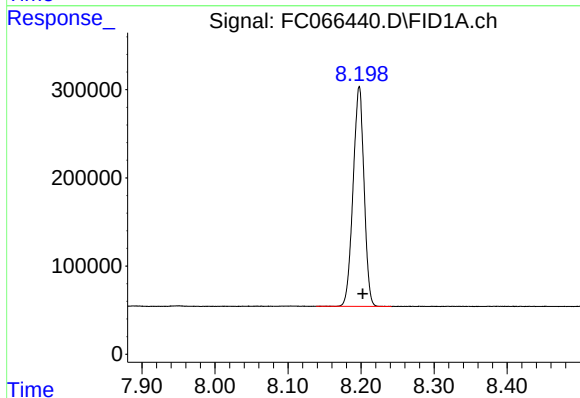
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.019 min
Delta R.T.: -0.007 min
Response: 2788110
Conc: 16.92 ug/ml

Instrument :
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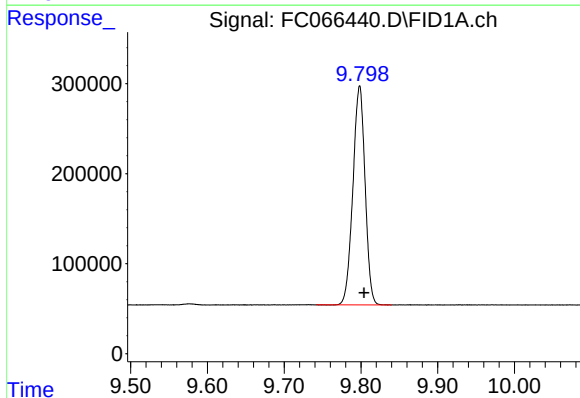
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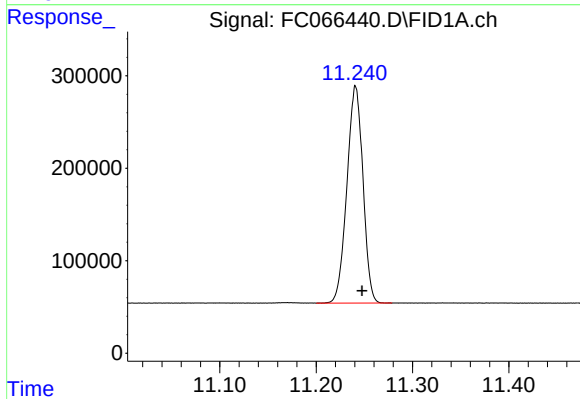
#6 n-Tetradecane (C14)

R.T.: 8.197 min
Delta R.T.: -0.005 min
Response: 2603175
Conc: 17.20 ug/ml



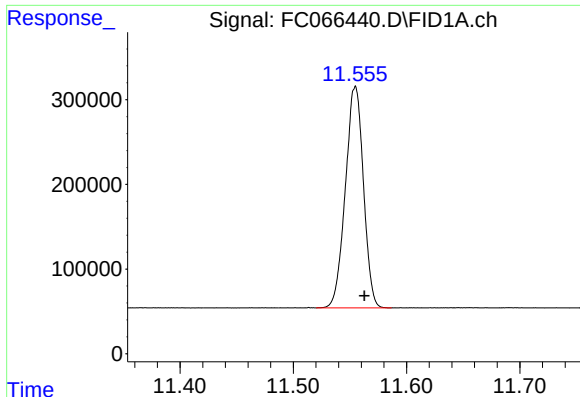
#7 n-Hexadecane (C16)

R.T.: 9.798 min
Delta R.T.: -0.006 min
Response: 2686694
Conc: 17.57 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.241 min
Delta R.T.: -0.007 min
Response: 2702732
Conc: 17.81 ug/ml



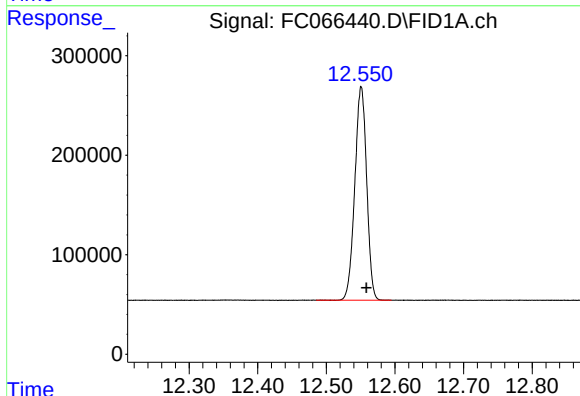
#9 ortho-Terphenyl (SURR)

R.T.: 11.555 min
Delta R.T.: -0.008 min
Response: 2900214
Conc: 17.54 ug/ml

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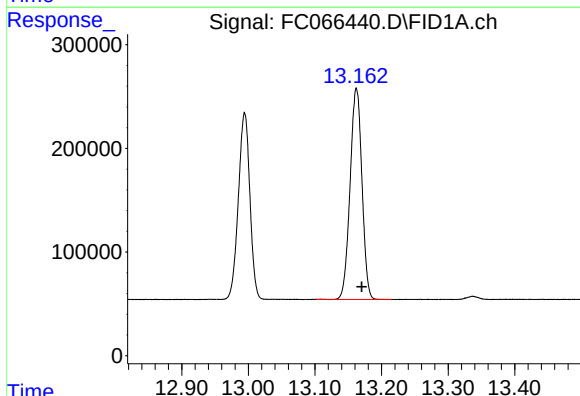
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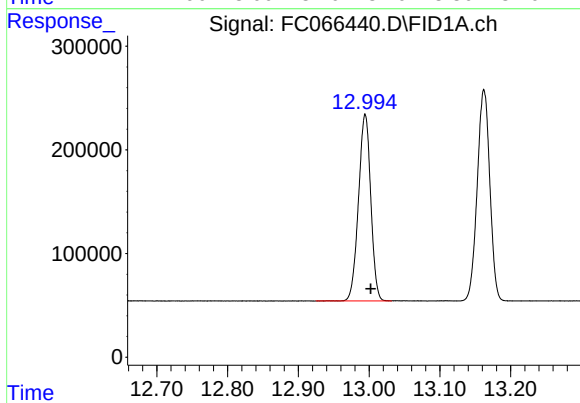
#10 n-Eicosane (C20)

R.T.: 12.551 min
Delta R.T.: -0.007 min
Response: 2577172
Conc: 17.92 ug/ml



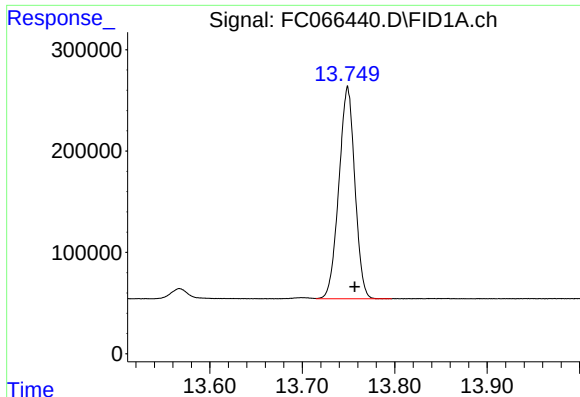
#11 n-Heneicosane (C21)

R.T.: 13.162 min
Delta R.T.: -0.008 min
Response: 2522316
Conc: 17.94 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.994 min
Delta R.T.: -0.008 min
Response: 2165313
Conc: 17.65 ug/ml



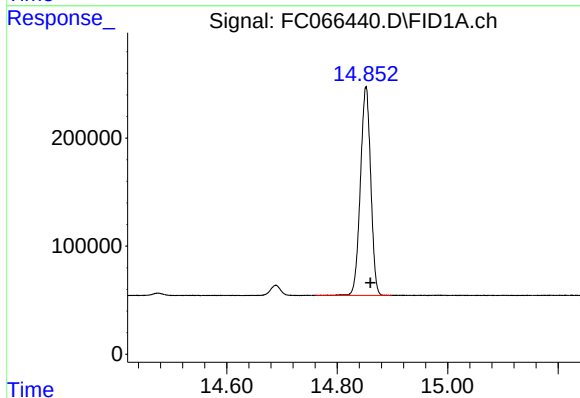
#13 n-Docosane (C22)

R.T.: 13.749 min
Delta R.T.: -0.008 min
Response: 2513787
Conc: 17.95 ug/ml

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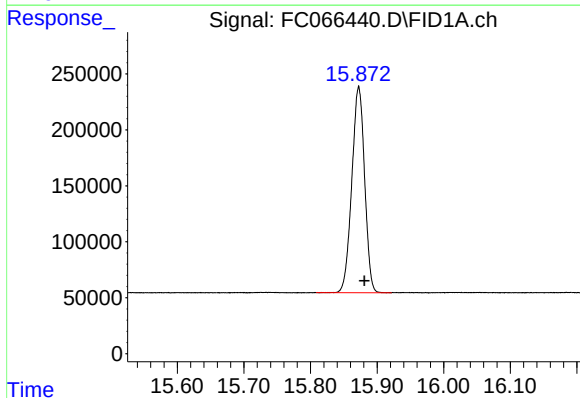
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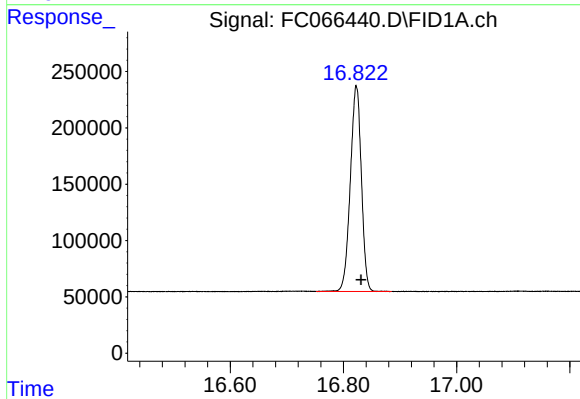
#14 n-Tetracosane (C24)

R.T.: 14.852 min
Delta R.T.: -0.008 min
Response: 2504538
Conc: 17.79 ug/ml



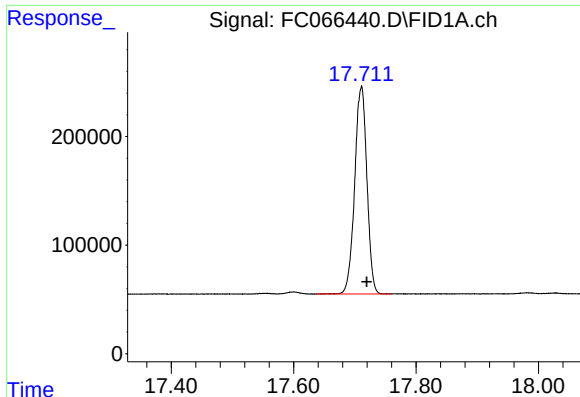
#15 n-Hexacosane (C26)

R.T.: 15.872 min
Delta R.T.: -0.009 min
Response: 2456479
Conc: 17.96 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.823 min
Delta R.T.: -0.008 min
Response: 2473782
Conc: 18.47 ug/ml



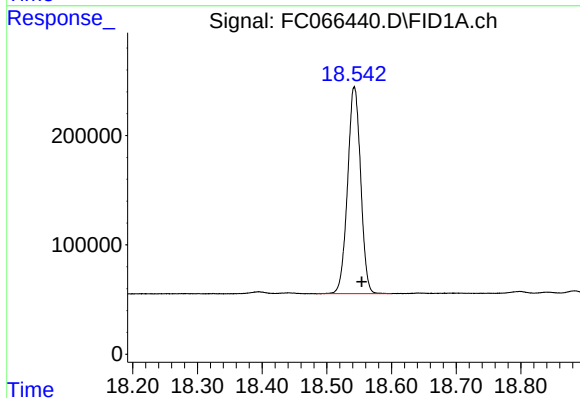
#17 n-Tricontane (C30)

R.T.: 17.711 min
Delta R.T.: -0.009 min
Response: 2649305
Conc: 19.66 ug/ml

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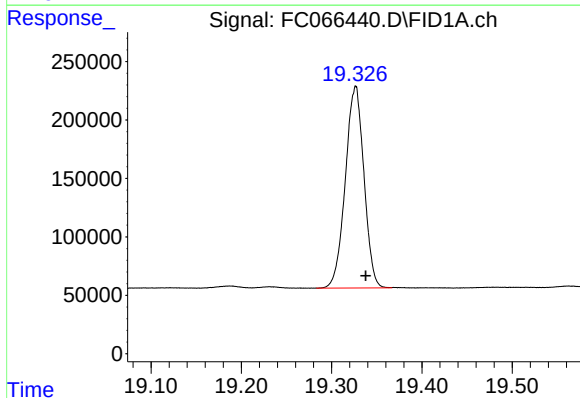
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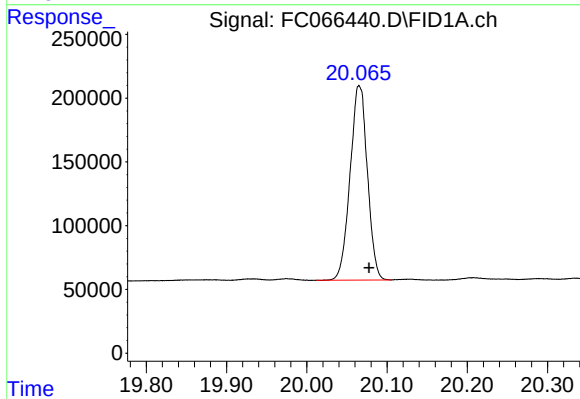
#18 n-Dotriacontane (C32)

R.T.: 18.543 min
Delta R.T.: -0.012 min
Response: 2657783
Conc: 20.64 ug/ml



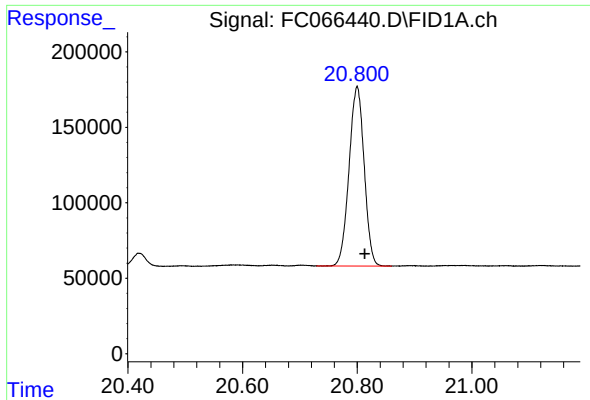
#19 n-Tetratriacontane (C34)

R.T.: 19.326 min
Delta R.T.: -0.012 min
Response: 2476560
Conc: 20.93 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.066 min
Delta R.T.: -0.012 min
Response: 2284948
Conc: 19.88 ug/ml



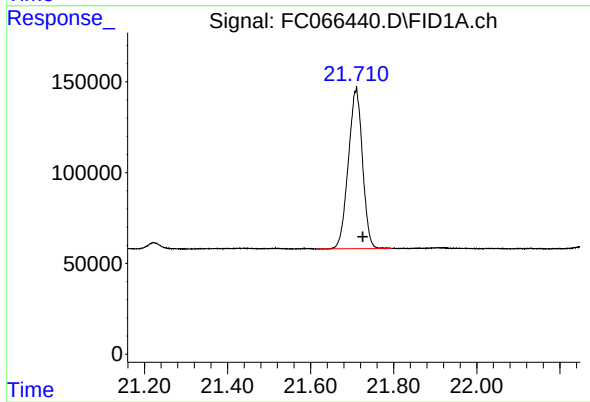
#21 n-Octatriacontane (C38)

R.T.: 20.800 min
Delta R.T.: -0.013 min
Response: 2174849
Conc: 20.21 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.709 min
Delta R.T.: -0.016 min
Response: 2083047
Conc: 19.43 ug/ml