

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071823AL\
 Data File : FC064141.D
 Signal(s) : FID1A.ch
 Acq On : 18 Jul 2023 20:16
 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 03:12:45 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)	11.518	3909076	20.133 ug/ml
Spiked Amount 50.000		Recovery =	40.27%
12) S 1-chlorooctadecane (S...	12.953	2795394	20.092 ug/ml
Spiked Amount 50.000		Recovery =	40.18%
Target Compounds			
1) T n-Nonane (C9)	3.304	3552652	19.920 ug/ml
2) T n-Decane (C10)	4.367	3587600	19.826 ug/ml
3) T A~Naphthalene (C11.7)	5.947	3667797	19.663 ug/ml
4) T n-Dodecane (C12)	6.380	3582692	19.887 ug/ml
5) T A~2-methylnaphthalene...	7.002	3468971	19.711 ug/ml
6) T n-Tetradecane (C14)	8.170	3473039	20.077 ug/ml
7) T n-Hexadecane (C16)	9.767	3496340	20.127 ug/ml
8) T n-Octadecane (C18)	11.205	3498005	20.296 ug/ml
10) T n-Eicosane (C20)	12.510	3289617	20.151 ug/ml
11) T n-Heneicosane (C21)	13.121	3209984	20.035 ug/ml
13) T n-Docosane (C22)	13.705	3158683	20.102 ug/ml
14) T n-Tetracosane (C24)	14.804	3109512	19.728 ug/ml
15) T n-Hexacosane (C26)	15.820	3039587	20.118 ug/ml
16) T n-Octacosane (C28)	16.767	3008055	19.963 ug/ml
17) T n-Tricontane (C30)	17.652	3150270	20.178 ug/ml
18) T n-Dotriacontane (C32)	18.483	3179588	20.127 ug/ml
19) T n-Tetratriacontane (C34)	19.263	3110320	20.213 ug/ml
20) T n-Hexatriacontane (C36)	19.999	3007567	20.371 ug/mlm
21) T n-Octatriacontane (C38)	20.721	2972563	20.068 ug/ml
22) T n-Tetracontane (C40)	21.607	2925361	20.070 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

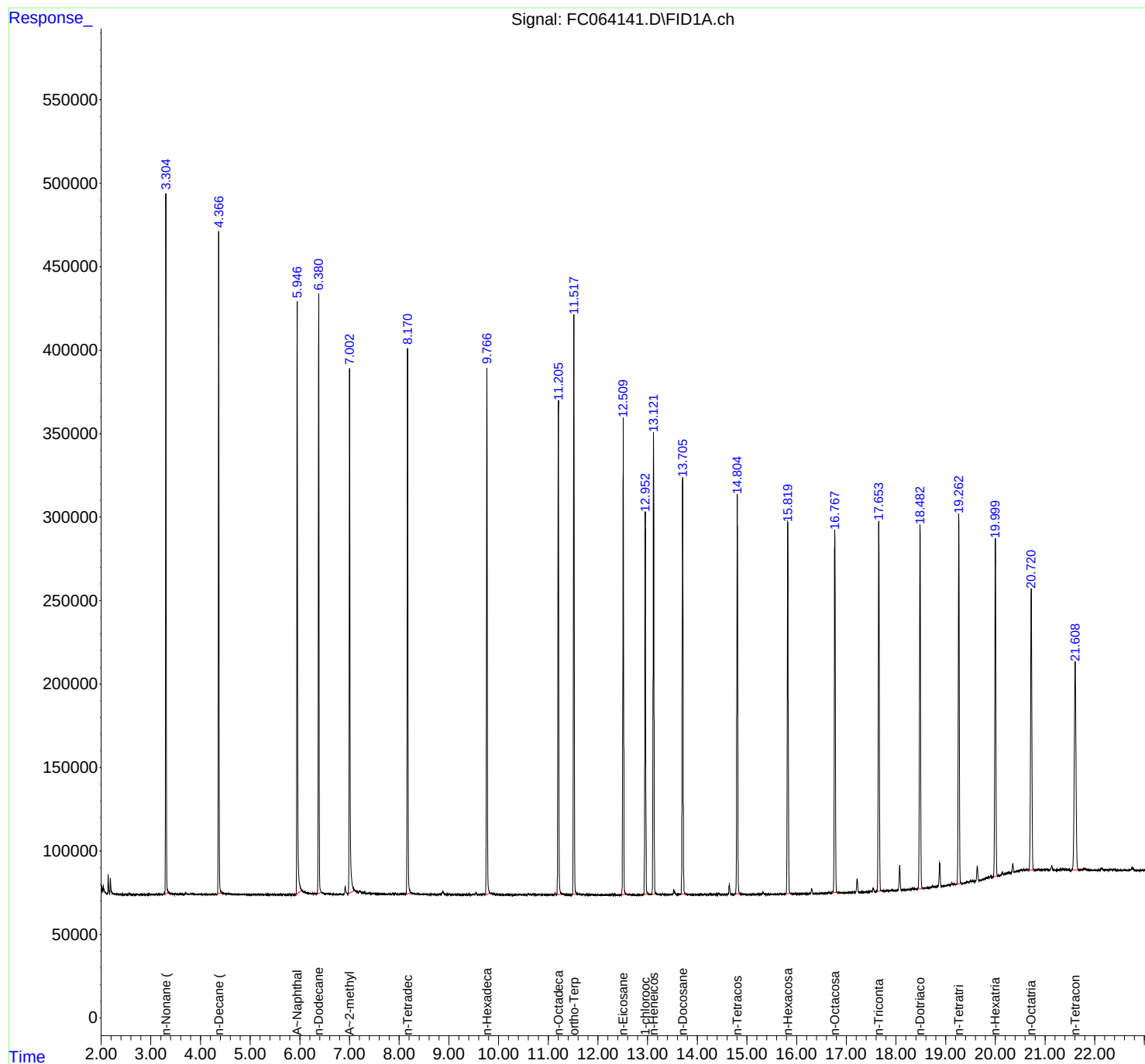
Instrument :
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20 PPM ALIPHATIC HC STD

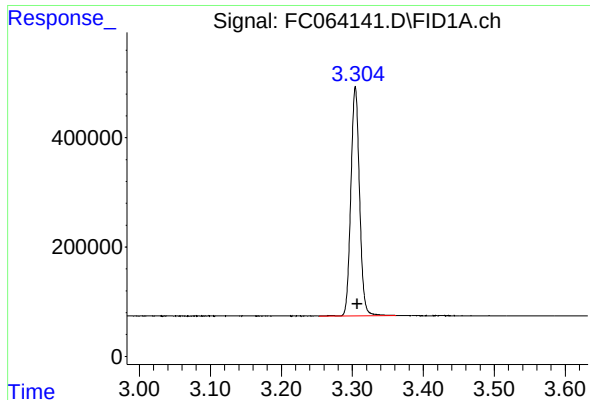
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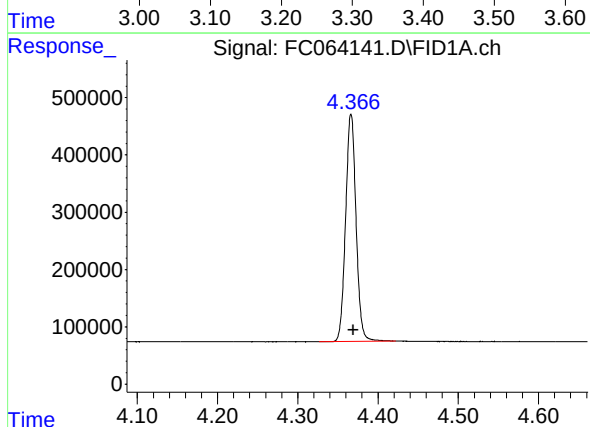
#1 n-Nonane (C9)

R.T.: 3.304 min
Delta R.T.: -0.003 min
Response: 3552652
Conc: 19.92 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

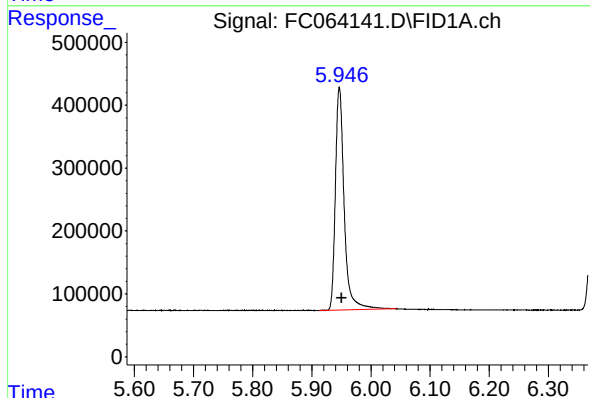
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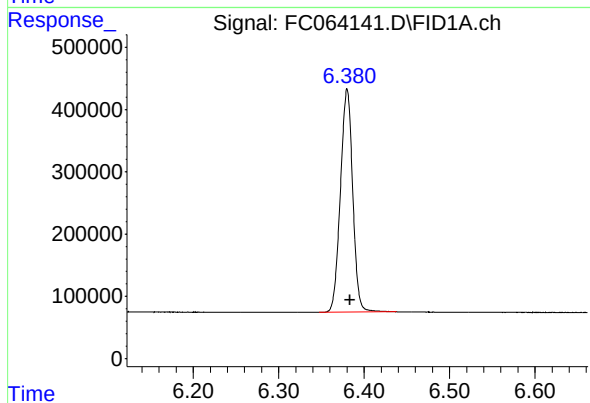
#2 n-Decane (C10)

R.T.: 4.367 min
Delta R.T.: -0.003 min
Response: 3587600
Conc: 19.83 ug/ml



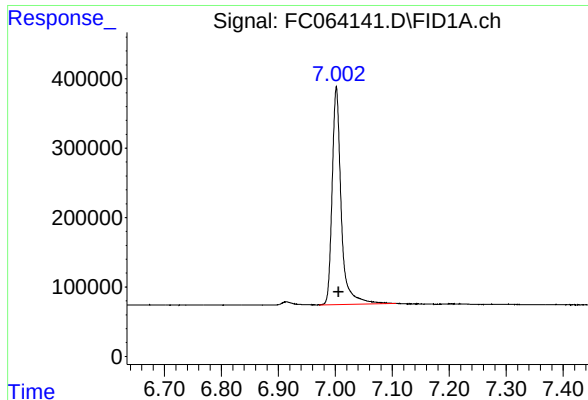
#3 A~Naphthalene (C11.7)

R.T.: 5.947 min
Delta R.T.: -0.004 min
Response: 3667797
Conc: 19.66 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.380 min
Delta R.T.: -0.003 min
Response: 3582692
Conc: 19.89 ug/ml



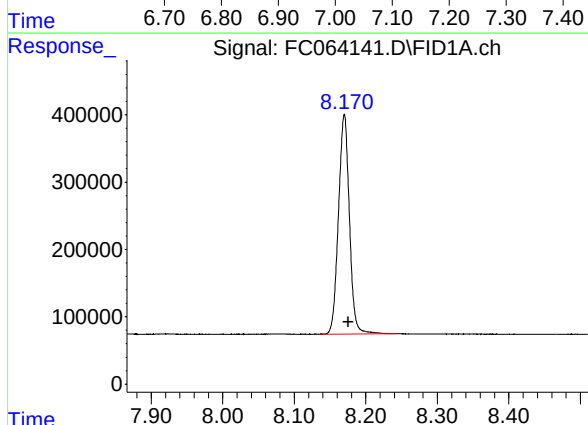
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.002 min
Delta R.T.: -0.004 min
Response: 3468971
Conc: 19.71 ug/ml

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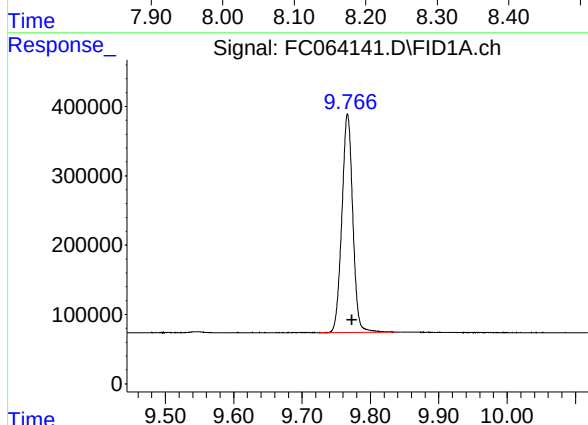
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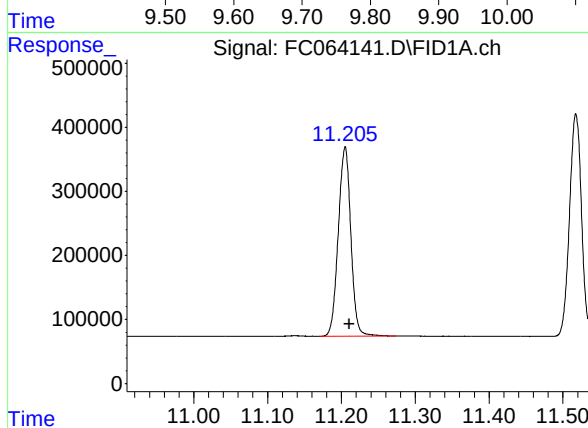
#6 n-Tetradecane (C14)

R.T.: 8.170 min
Delta R.T.: -0.005 min
Response: 3473039
Conc: 20.08 ug/ml



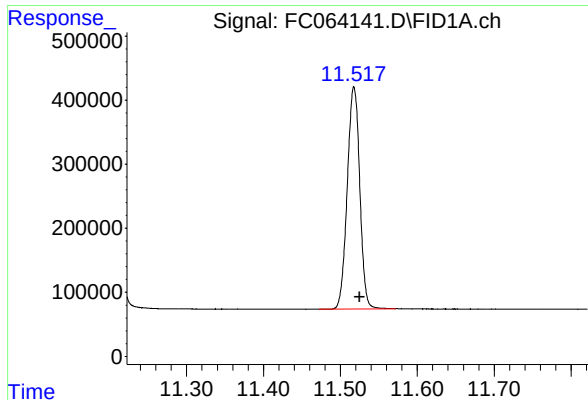
#7 n-Hexadecane (C16)

R.T.: 9.767 min
Delta R.T.: -0.007 min
Response: 3496340
Conc: 20.13 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.205 min
Delta R.T.: -0.006 min
Response: 3498005
Conc: 20.30 ug/ml



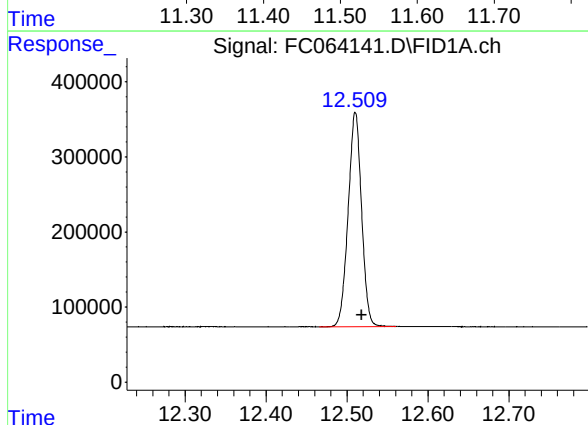
#9 ortho-Terphenyl (SURR)

R.T.: 11.518 min
Delta R.T.: -0.007 min
Response: 3909076
Conc: 20.13 ug/ml

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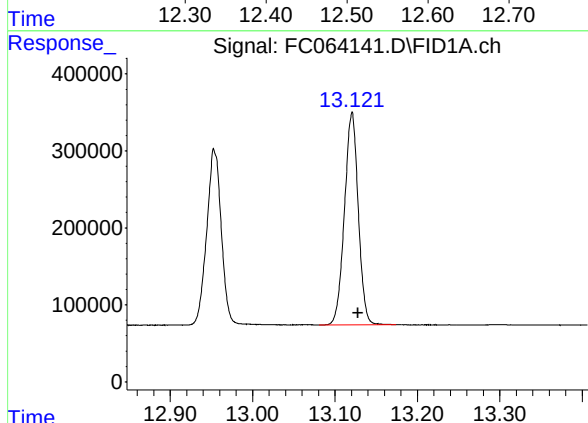
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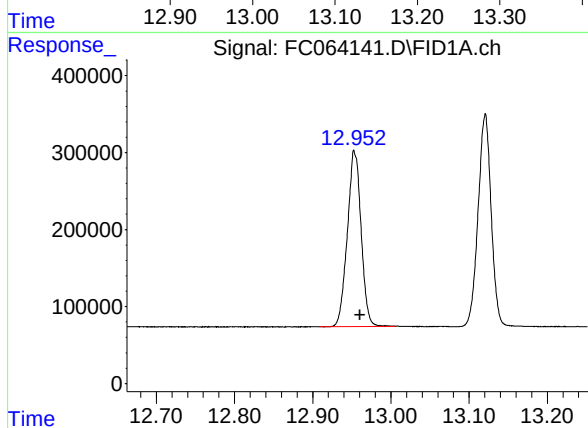
#10 n-Eicosane (C20)

R.T.: 12.510 min
Delta R.T.: -0.008 min
Response: 3289617
Conc: 20.15 ug/ml



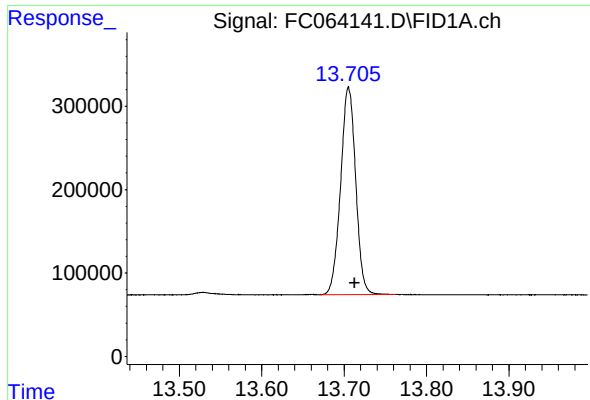
#11 n-Heneicosane (C21)

R.T.: 13.121 min
Delta R.T.: -0.007 min
Response: 3209984
Conc: 20.03 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.953 min
Delta R.T.: -0.007 min
Response: 2795394
Conc: 20.09 ug/ml



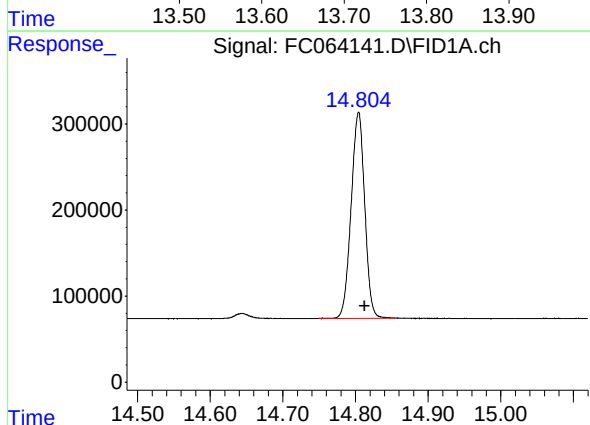
#13 n-Docosane (C22)

R.T.: 13.705 min
Delta R.T.: -0.007 min
Response: 3158683
Conc: 20.10 ug/ml

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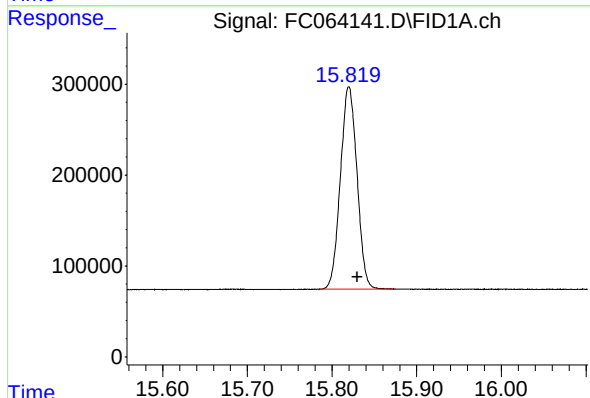
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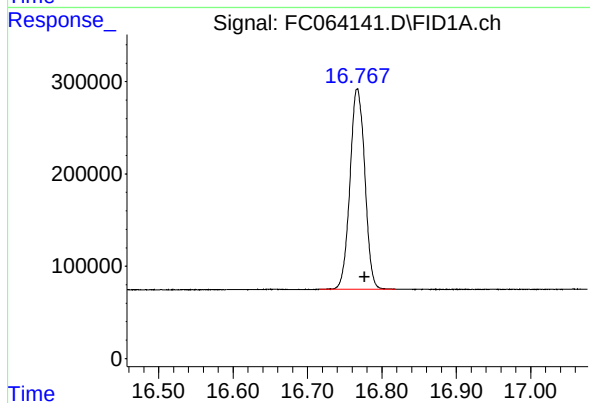
#14 n-Tetracosane (C24)

R.T.: 14.804 min
Delta R.T.: -0.008 min
Response: 3109512
Conc: 19.73 ug/ml



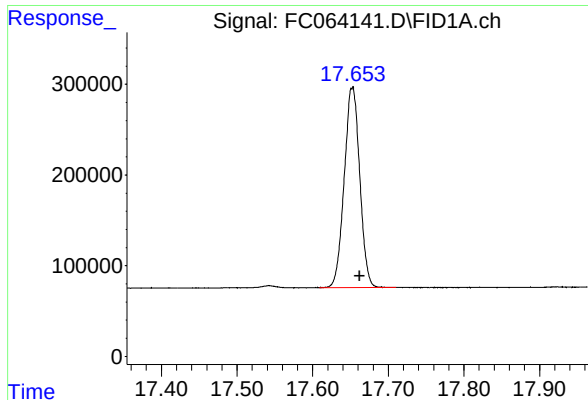
#15 n-Hexacosane (C26)

R.T.: 15.820 min
Delta R.T.: -0.010 min
Response: 3039587
Conc: 20.12 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.767 min
Delta R.T.: -0.010 min
Response: 3008055
Conc: 19.96 ug/ml



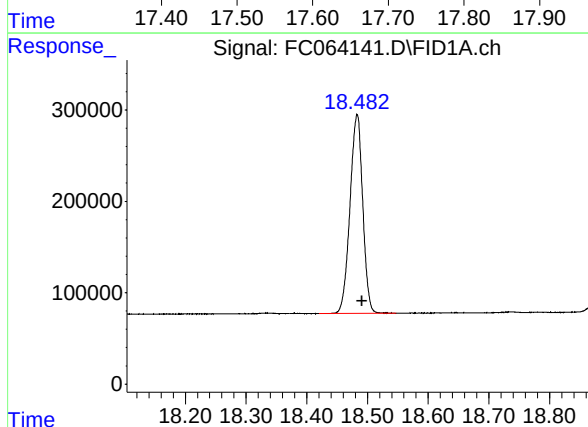
#17 n-Tricontane (C30)

R.T.: 17.652 min
Delta R.T.: -0.010 min
Response: 3150270
Conc: 20.18 ug/ml

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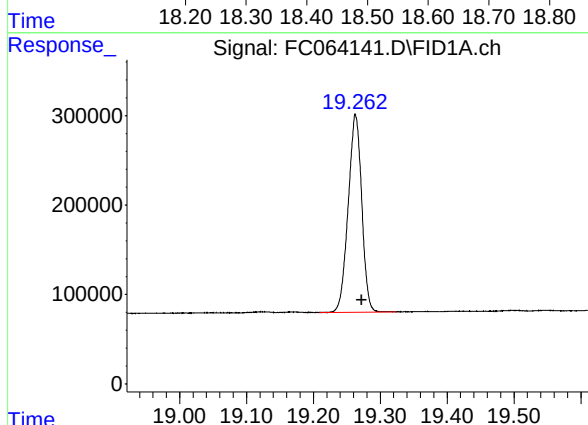
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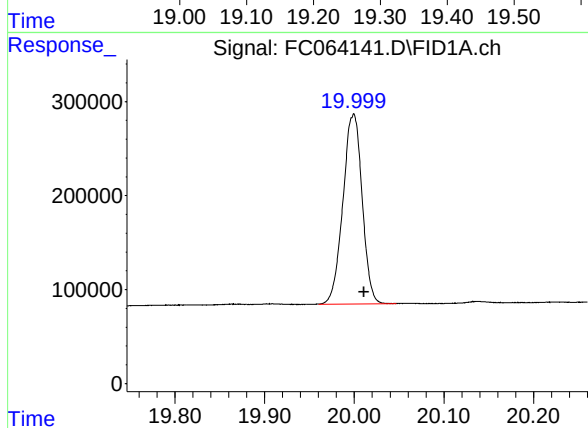
#18 n-Dotriacontane (C32)

R.T.: 18.483 min
Delta R.T.: -0.008 min
Response: 3179588
Conc: 20.13 ug/ml



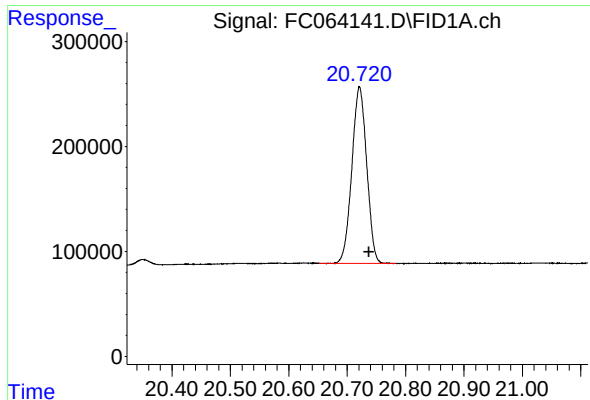
#19 n-Tetatriacontane (C34)

R.T.: 19.263 min
Delta R.T.: -0.009 min
Response: 3110320
Conc: 20.21 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.999 min
Delta R.T.: -0.012 min
Response: 3007567
Conc: 20.37 ug/ml m



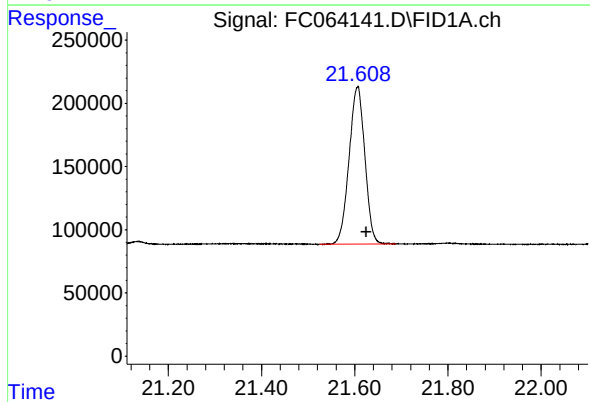
#21 n-Octatriacontane (C38)

R.T.: 20.721 min
Delta R.T.: -0.016 min
Response: 2972563
Conc: 20.07 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.607 min
Delta R.T.: -0.019 min
Response: 2925361
Conc: 20.07 ug/ml