

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102623AL\
 Data File : FC064917.D
 Signal(s) : FID1A.ch
 Acq On : 26 Oct 2023 13:32
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/27/2023
 Supervised By :Ankita Jodhani 10/27/2023

Integration File: autoint1.e
 Quant Time: Oct 27 01:04:40 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 101023.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 10 12:17:45 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)	11.522	4083403	19.125 ug/ml
Spiked Amount 50.000		Recovery =	38.25%
12) S 1-chlorooctadecane (S...	12.954	2931591	19.552 ug/ml
Spiked Amount 50.000		Recovery =	39.10%
Target Compounds			
1) T n-Nonane (C9)	3.315	3481100	18.953 ug/ml
2) T n-Decane (C10)	4.376	3518242	19.233 ug/ml
3) T A~Naphthalene (C11.7)	5.958	3665441	19.326 ug/ml
4) T n-Dodecane (C12)	6.388	3562163	19.111 ug/ml
5) T A~2-methylnaphthalene...	7.012	3519475	20.097 ug/ml
6) T n-Tetradecane (C14)	8.177	3504695	19.514 ug/ml
7) T n-Hexadecane (C16)	9.771	3527906	19.833 ug/ml
8) T n-Octadecane (C18)	11.208	3520589	19.619 ug/ml
10) T n-Eicosane (C20)	12.511	3361399	19.521 ug/ml
11) T n-Heneicosane (C21)	13.121	3275795	19.343 ug/ml
13) T n-Docosane (C22)	13.705	3204032	19.446 ug/ml
14) T n-Tetracosane (C24)	14.803	3116042	19.578 ug/ml
15) T n-Hexacosane (C26)	15.819	2984478	19.483 ug/ml
16) T n-Octacosane (C28)	16.766	2878389	19.532 ug/ml
17) T n-Tricontane (C30)	17.648	2865982	19.588 ug/ml
18) T n-Dotriacontane (C32)	18.477	2839009	19.662 ug/ml
19) T n-Tetratriacontane (C34)	19.258	2738651	19.464 ug/ml
20) T n-Hexatriacontane (C36)	19.995	2720929	19.667 ug/mlm
21) T n-Octatriacontane (C38)	20.717	2707043	20.436 ug/ml
22) T n-Tetracontane (C40)	21.601	2682160	21.432 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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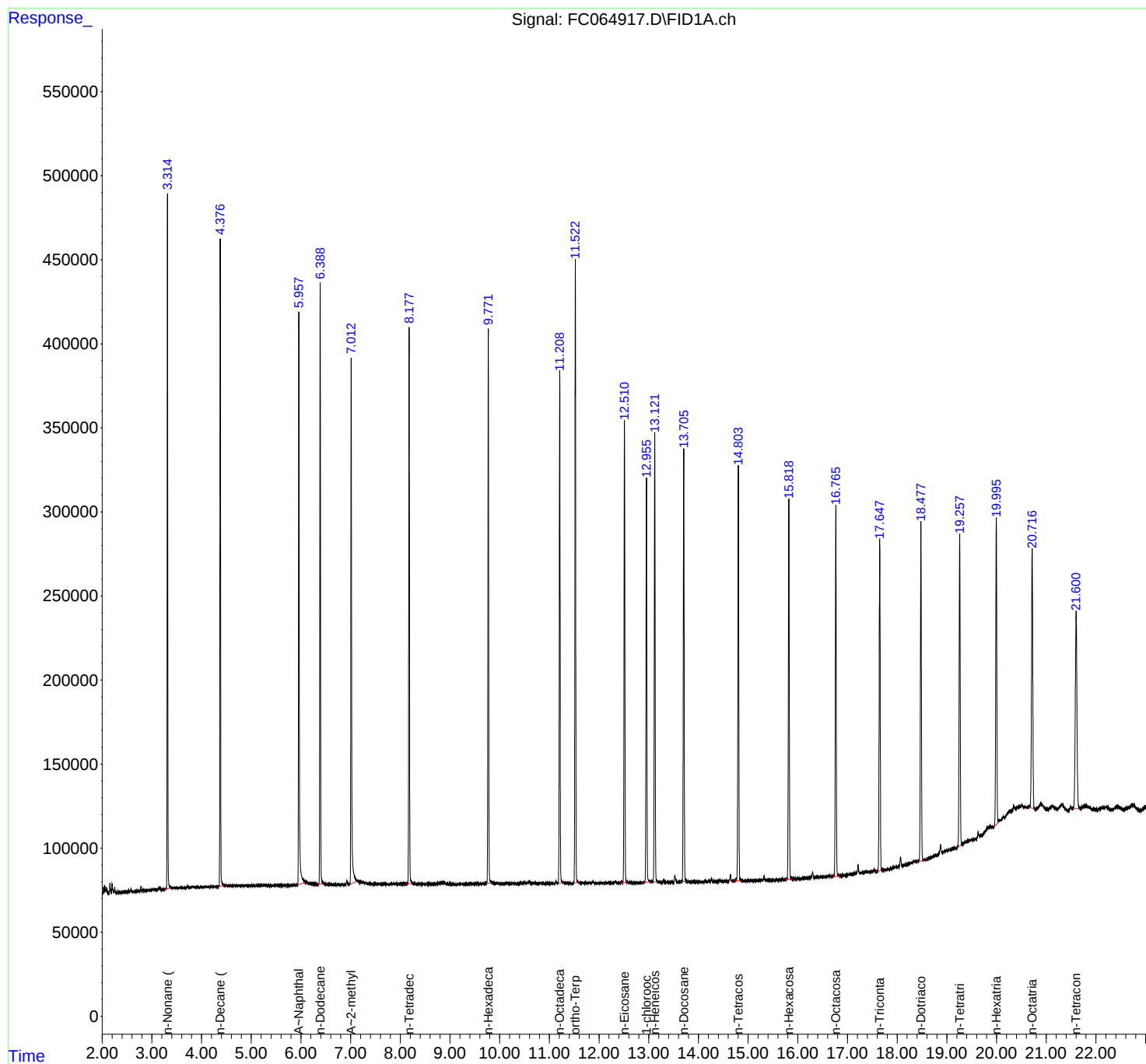
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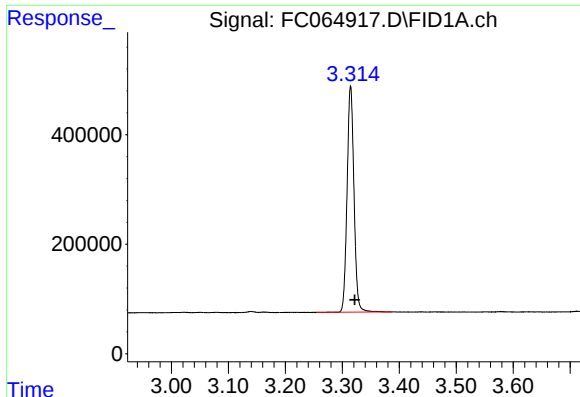
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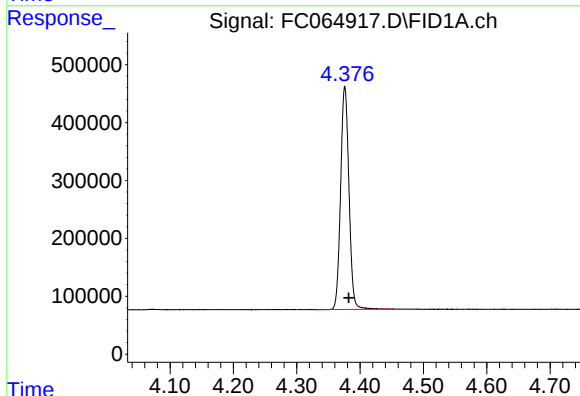
#1 n-Nonane (C9)

R.T.: 3.315 min
Delta R.T.: -0.007 min
Response: 3481100
Conc: 18.95 ug/ml

Instrument :
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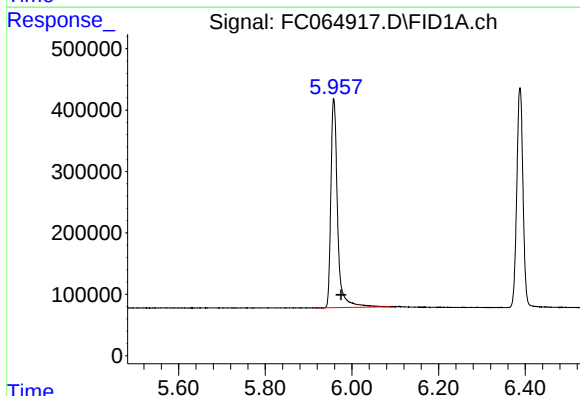
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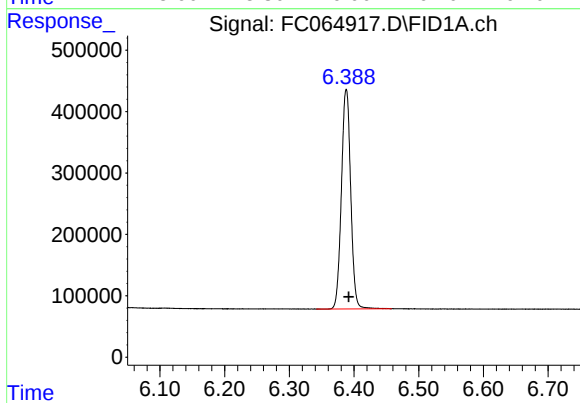
#2 n-Decane (C10)

R.T.: 4.376 min
Delta R.T.: -0.006 min
Response: 3518242
Conc: 19.23 ug/ml



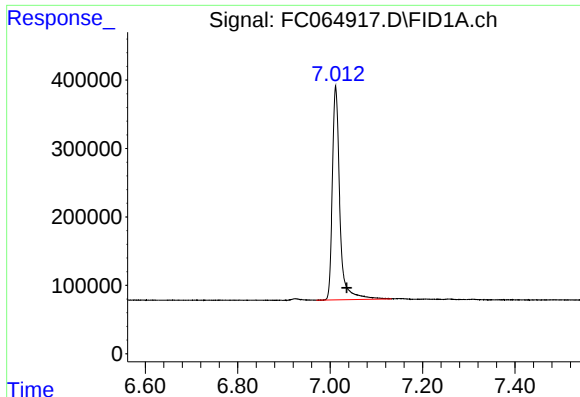
#3 A~Naphthalene (C11.7)

R.T.: 5.958 min
Delta R.T.: -0.017 min
Response: 3665441
Conc: 19.33 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.388 min
Delta R.T.: -0.003 min
Response: 3562163
Conc: 19.11 ug/ml



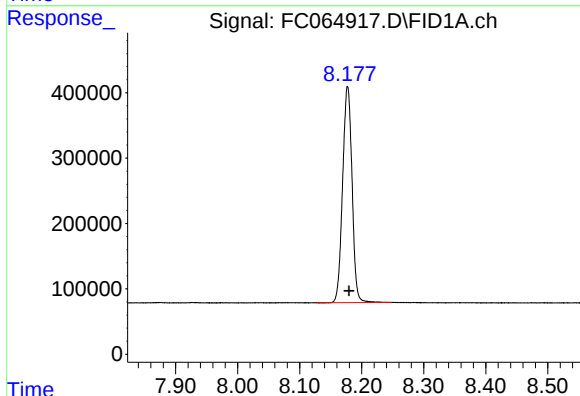
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.012 min
Delta R.T.: -0.024 min
Response: 3519475
Conc: 20.10 ug/ml

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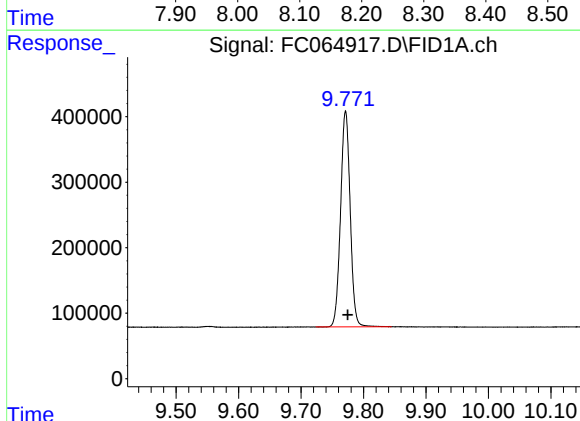
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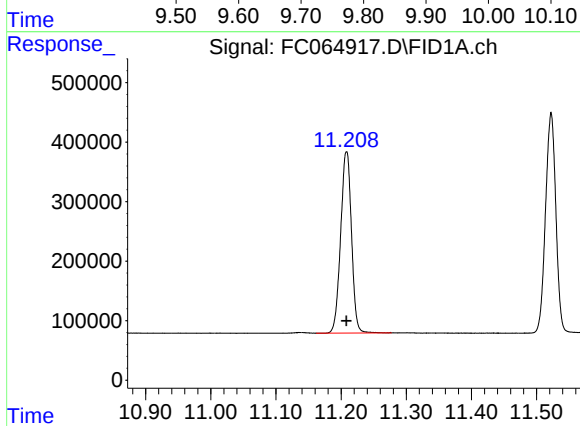
#6 n-Tetradecane (C14)

R.T.: 8.177 min
Delta R.T.: -0.002 min
Response: 3504695
Conc: 19.51 ug/ml



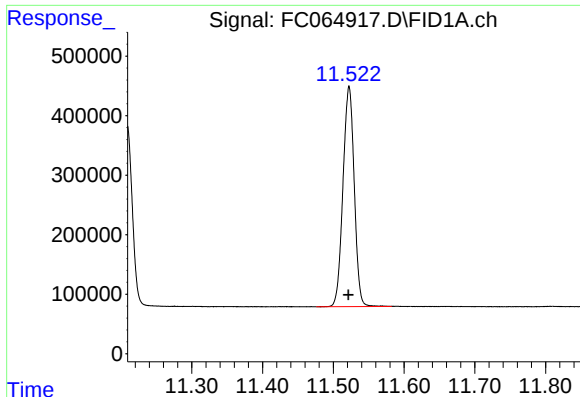
#7 n-Hexadecane (C16)

R.T.: 9.771 min
Delta R.T.: -0.003 min
Response: 3527906
Conc: 19.83 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.208 min
Delta R.T.: 0.000 min
Response: 3520589
Conc: 19.62 ug/ml



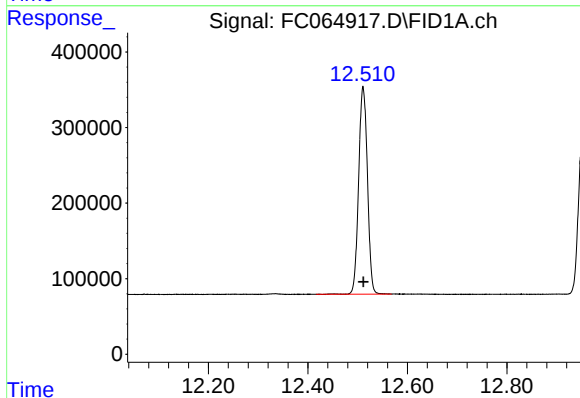
#9 ortho-Terphenyl (SURR)

R.T.: 11.522 min
Delta R.T.: 0.001 min
Response: 4083403
Conc: 19.12 ug/ml

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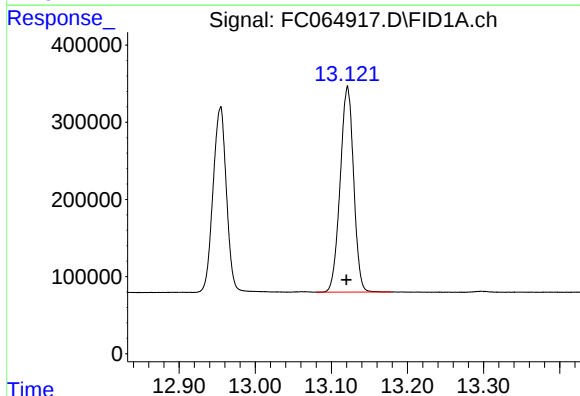
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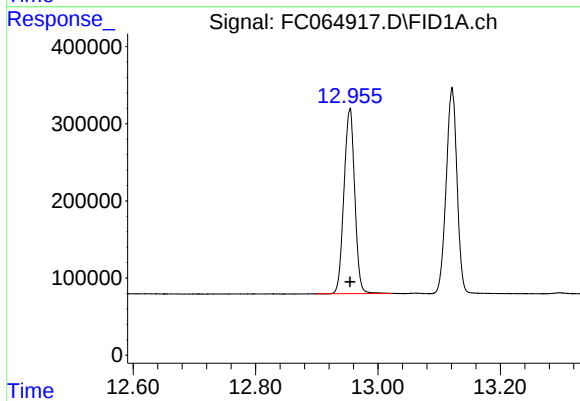
#10 n-Eicosane (C20)

R.T.: 12.511 min
Delta R.T.: 0.000 min
Response: 3361399
Conc: 19.52 ug/ml



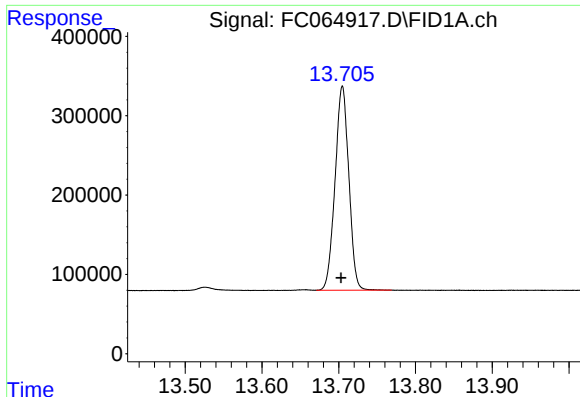
#11 n-Heneicosane (C21)

R.T.: 13.121 min
Delta R.T.: 0.002 min
Response: 3275795
Conc: 19.34 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.954 min
Delta R.T.: 0.000 min
Response: 2931591
Conc: 19.55 ug/ml



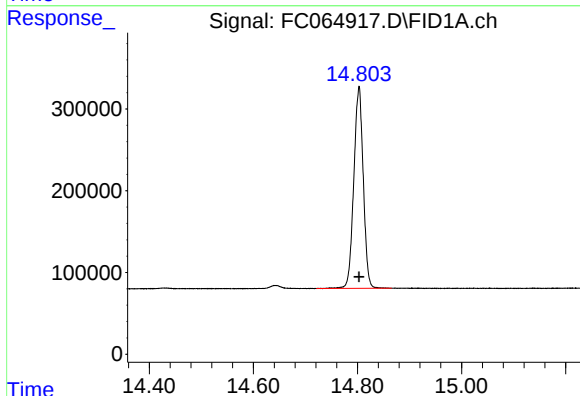
#13 n-Docosane (C22)

R.T.: 13.705 min
Delta R.T.: 0.002 min
Response: 3204032
Conc: 19.45 ug/ml

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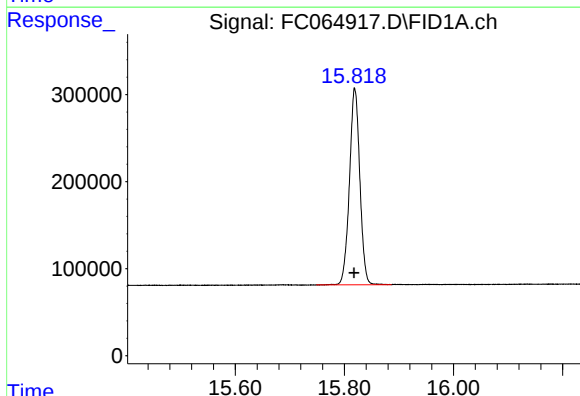
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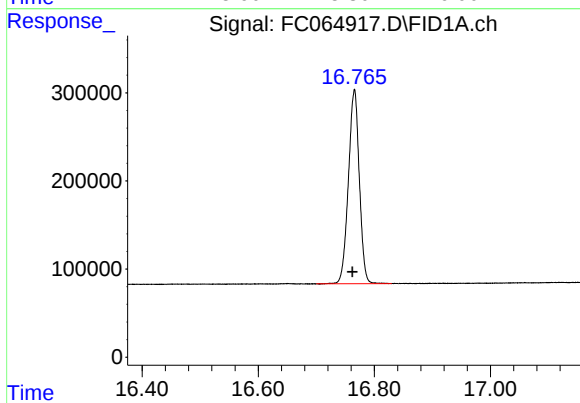
#14 n-Tetracosane (C24)

R.T.: 14.803 min
Delta R.T.: 0.000 min
Response: 3116042
Conc: 19.58 ug/ml



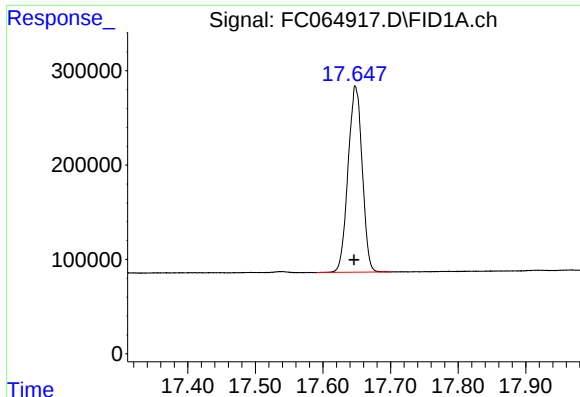
#15 n-Hexacosane (C26)

R.T.: 15.819 min
Delta R.T.: 0.001 min
Response: 2984478
Conc: 19.48 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.766 min
Delta R.T.: 0.004 min
Response: 2878389
Conc: 19.53 ug/ml



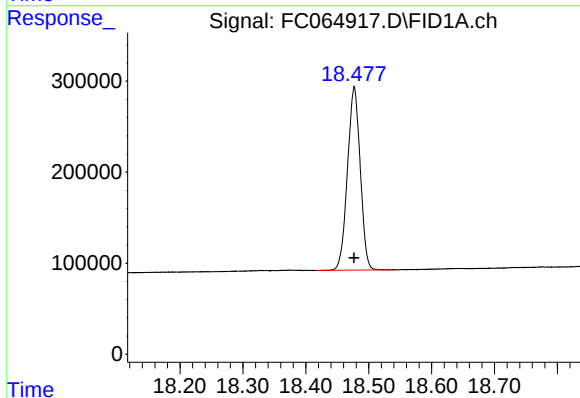
#17 n-Tricontane (C30)

R.T.: 17.648 min
Delta R.T.: 0.002 min
Response: 2865982
Conc: 19.59 ug/ml

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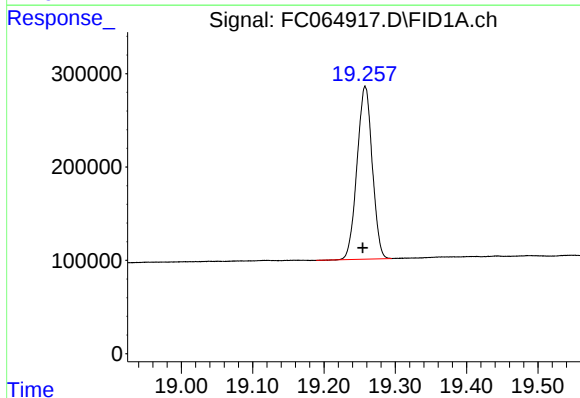
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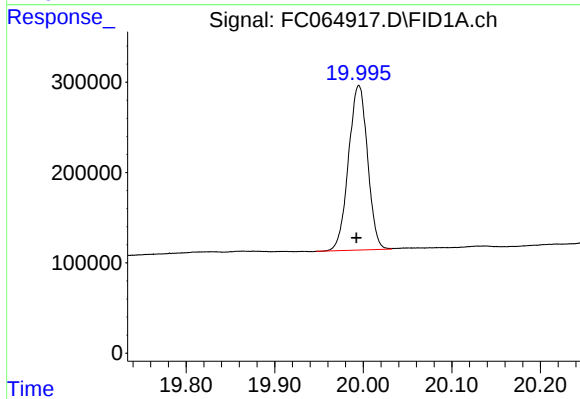
#18 n-Dotriacontane (C32)

R.T.: 18.477 min
Delta R.T.: 0.000 min
Response: 2839009
Conc: 19.66 ug/ml



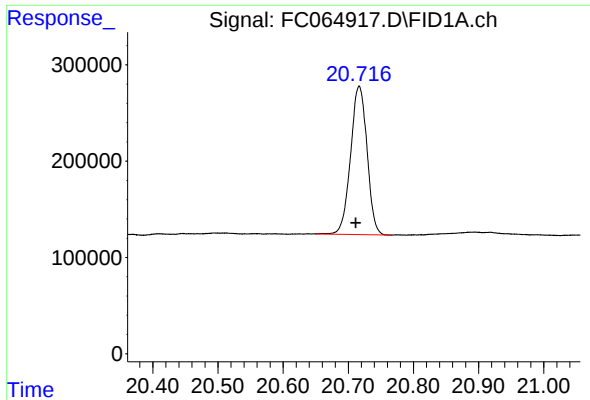
#19 n-Tetratriacontane (C34)

R.T.: 19.258 min
Delta R.T.: 0.003 min
Response: 2738651
Conc: 19.46 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.995 min
Delta R.T.: 0.003 min
Response: 2720929
Conc: 19.67 ug/ml m



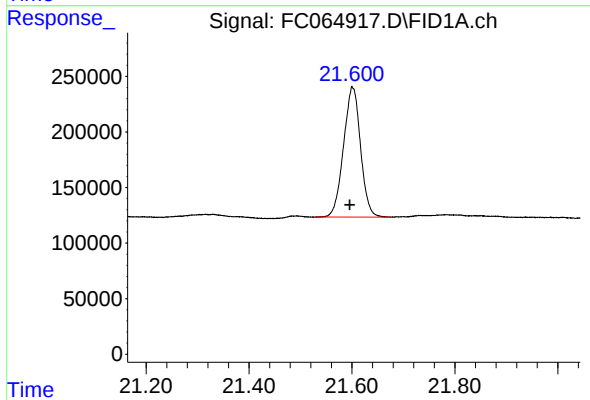
#21 n-Octatriacontane (C38)

R.T.: 20.717 min
Delta R.T.: 0.005 min
Response: 2707043
Conc: 20.44 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.601 min
Delta R.T.: 0.005 min
Response: 2682160
Conc: 21.43 ug/ml