

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052424AL\
 Data File : FC066478.D
 Signal(s) : FID1A.ch
 Acq On : 24 May 2024 21:28
 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 05/28/2024
 Supervised By :Ankita Jodhani 05/28/2024

Integration File: autoint1.e
 Quant Time: May 25 02:13:01 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)	11.563	2854405	17.264 ug/ml
Spiked Amount 50.000		Recovery =	34.53%
12) S 1-chlorooctadecane (S...	13.002	2161922	17.625 ug/ml
Spiked Amount 50.000		Recovery =	35.25%
Target Compounds			
1) T n-Nonane (C9)	3.313	2503790	16.578 ug/ml
2) T n-Decane (C10)	4.382	2670578	17.366 ug/ml
3) T A~Naphthalene (C11.7)	5.968	2946180	17.341 ug/ml
4) T n-Dodecane (C12)	6.405	2691111	17.511 ug/ml
5) T A~2-methylnaphthalene...	7.027	2860977	17.359 ug/ml
6) T n-Tetradecane (C14)	8.202	2650330	17.513 ug/ml
7) T n-Hexadecane (C16)	9.804	2721708	17.800 ug/ml
8) T n-Octadecane (C18)	11.248	2714222	17.881 ug/ml
10) T n-Eicosane (C20)	12.558	2579242	17.930 ug/ml
11) T n-Heneicosane (C21)	13.170	2523175	17.950 ug/ml
13) T n-Docosane (C22)	13.757	2507660	17.911 ug/ml
14) T n-Tetracosane (C24)	14.861	2514906	17.864 ug/ml
15) T n-Hexacosane (C26)	15.881	2488829	18.195 ug/ml
16) T n-Octacosane (C28)	16.832	2559402	19.111 ug/ml
17) T n-Tricontane (C30)	17.720	2846013	21.119 ug/ml
18) T n-Dotriacontane (C32)	18.555	2921993	22.694 ug/ml
19) T n-Tetratriacontane (C34)	19.339	2760112	23.329 ug/ml
20) T n-Hexatriacontane (C36)	20.078	2577818	22.427 ug/mlm
21) T n-Octatriacontane (C38)	20.816	2465619	22.907 ug/mlm
22) T n-Tetracontane (C40)	21.727	2573910	24.003 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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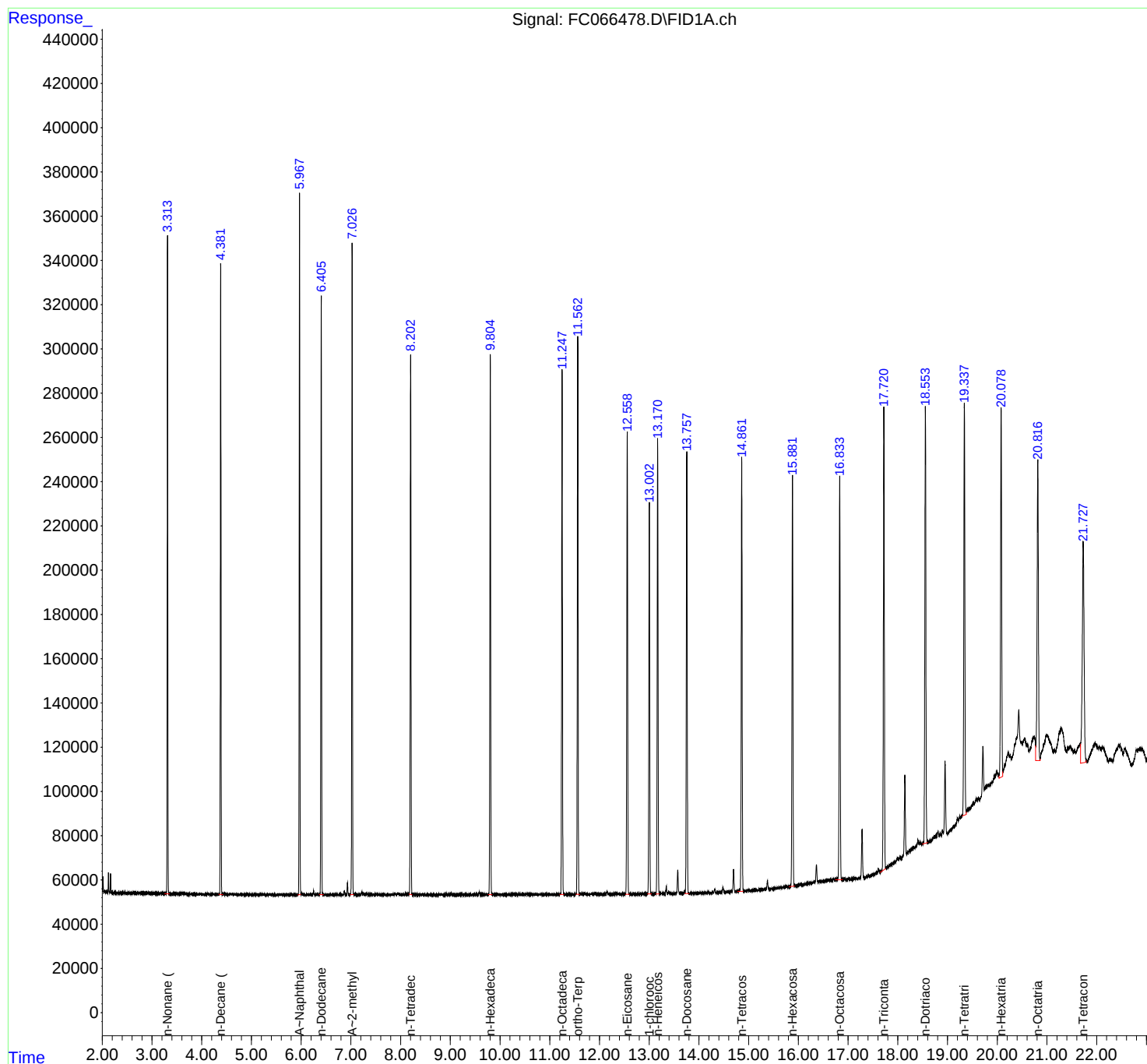
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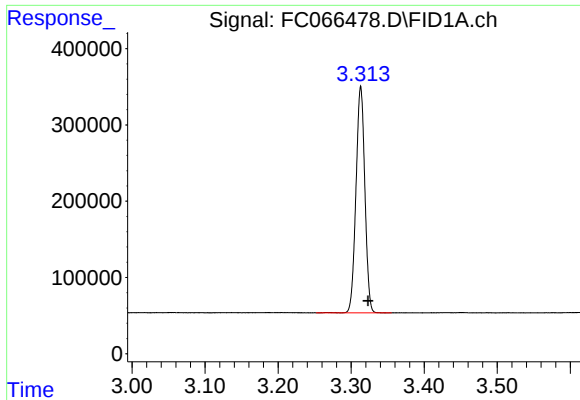
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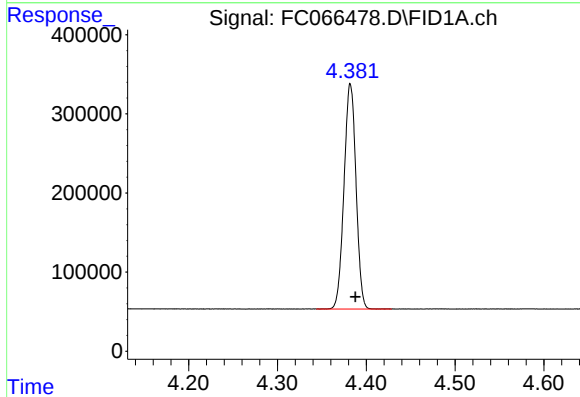
#1 n-Nonane (C9)

R.T.: 3.313 min
Delta R.T.: -0.010 min
Response: 2503790
Conc: 16.58 ug/ml

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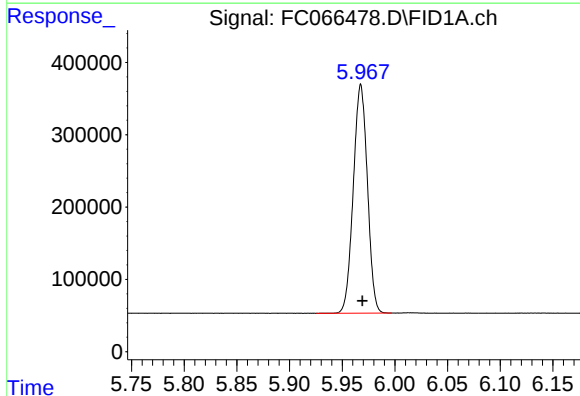
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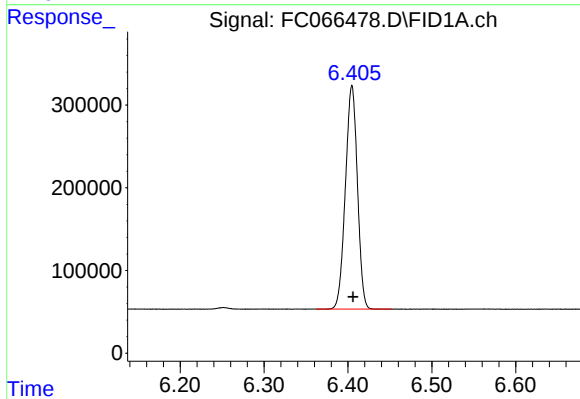
#2 n-Decane (C10)

R.T.: 4.382 min
Delta R.T.: -0.006 min
Response: 2670578
Conc: 17.37 ug/ml



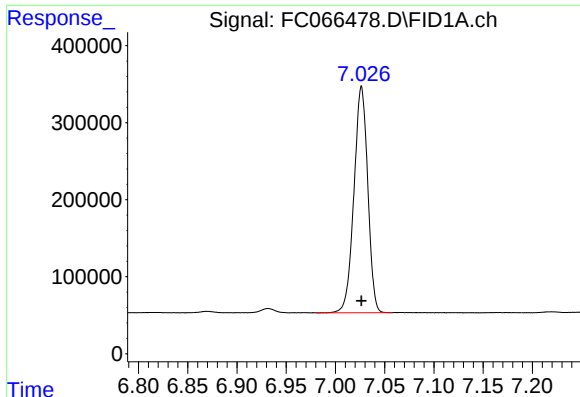
#3 A~Naphthalene (C11.7)

R.T.: 5.968 min
Delta R.T.: -0.002 min
Response: 2946180
Conc: 17.34 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.405 min
Delta R.T.: -0.002 min
Response: 2691111
Conc: 17.51 ug/ml



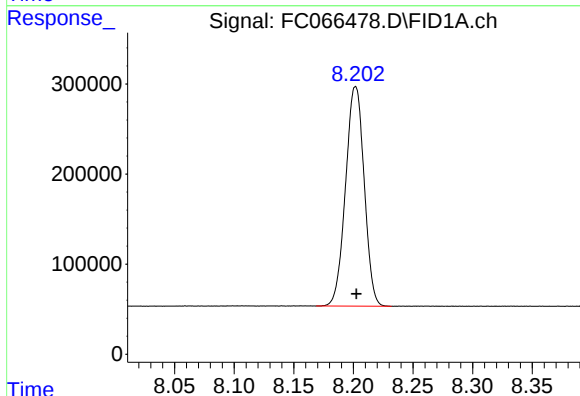
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.027 min
Delta R.T.: 0.000 min
Response: 2860977
Conc: 17.36 ug/ml

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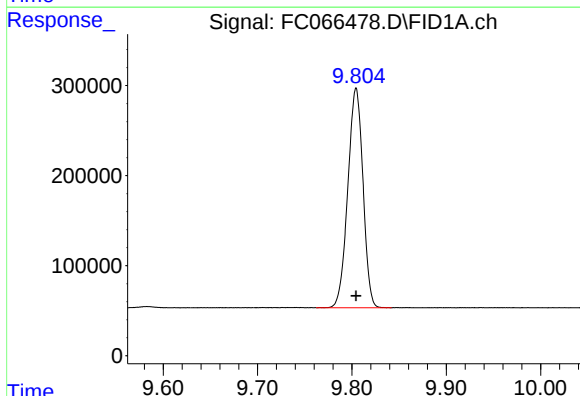
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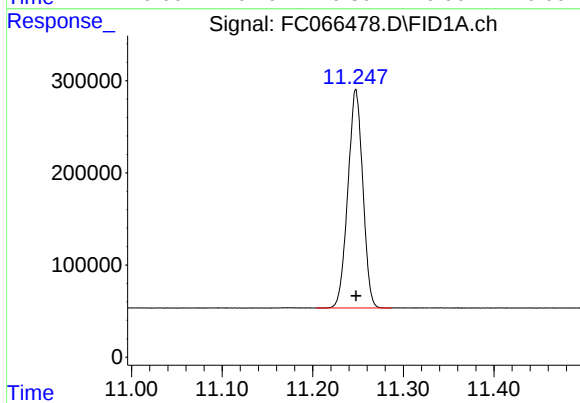
#6 n-Tetradecane (C14)

R.T.: 8.202 min
Delta R.T.: 0.000 min
Response: 2650330
Conc: 17.51 ug/ml



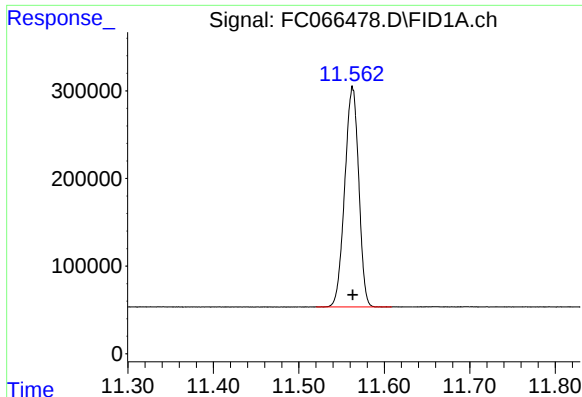
#7 n-Hexadecane (C16)

R.T.: 9.804 min
Delta R.T.: 0.000 min
Response: 2721708
Conc: 17.80 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.248 min
Delta R.T.: 0.000 min
Response: 2714222
Conc: 17.88 ug/ml



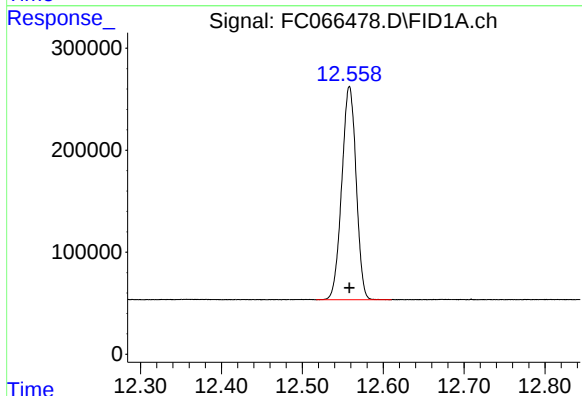
#9 ortho-Terphenyl (SURR)

R.T.: 11.563 min
Delta R.T.: 0.000 min
Response: 2854405
Conc: 17.26 ug/ml

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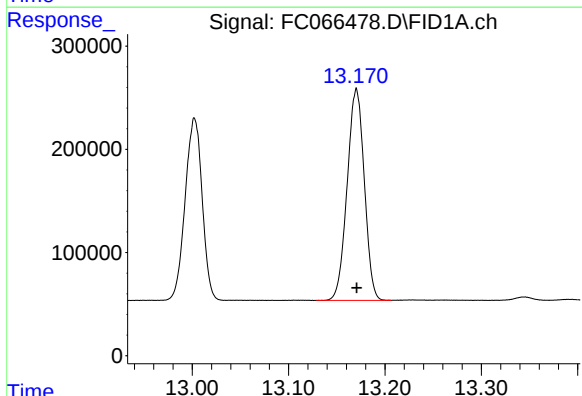
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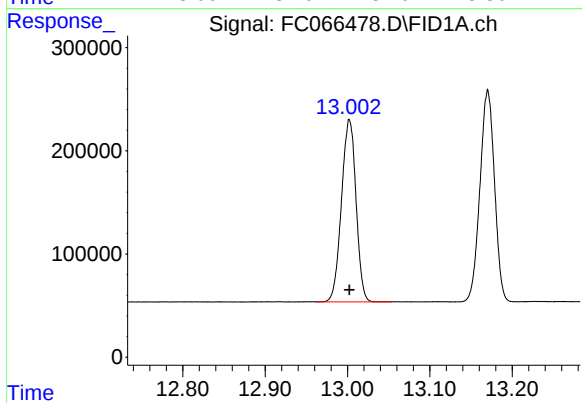
#10 n-Eicosane (C20)

R.T.: 12.558 min
Delta R.T.: 0.000 min
Response: 2579242
Conc: 17.93 ug/ml



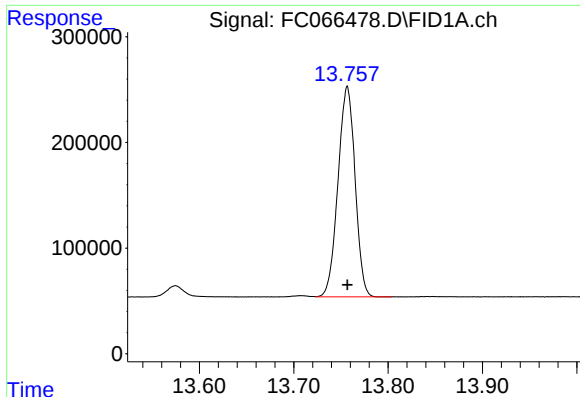
#11 n-Heneicosane (C21)

R.T.: 13.170 min
Delta R.T.: 0.000 min
Response: 2523175
Conc: 17.95 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.002 min
Delta R.T.: 0.000 min
Response: 2161922
Conc: 17.63 ug/ml



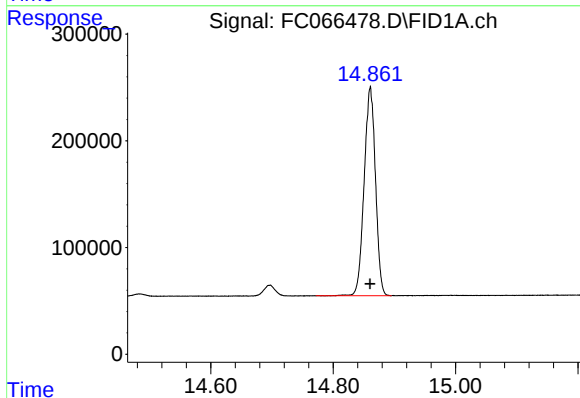
#13 n-Docosane (C22)

R.T.: 13.757 min
Delta R.T.: 0.000 min
Response: 2507660
Conc: 17.91 ug/ml

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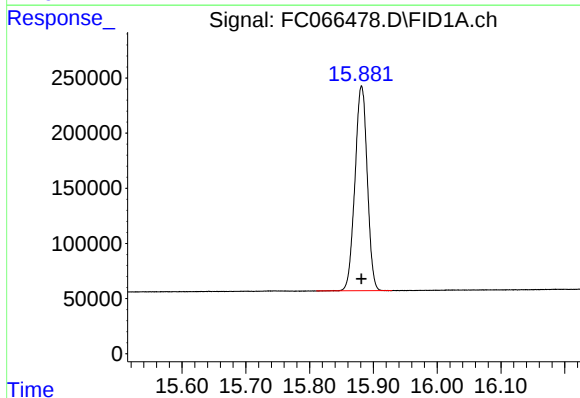
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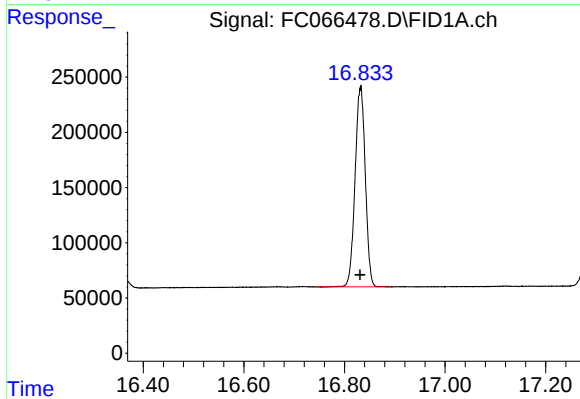
#14 n-Tetracosane (C24)

R.T.: 14.861 min
Delta R.T.: 0.000 min
Response: 2514906
Conc: 17.86 ug/ml



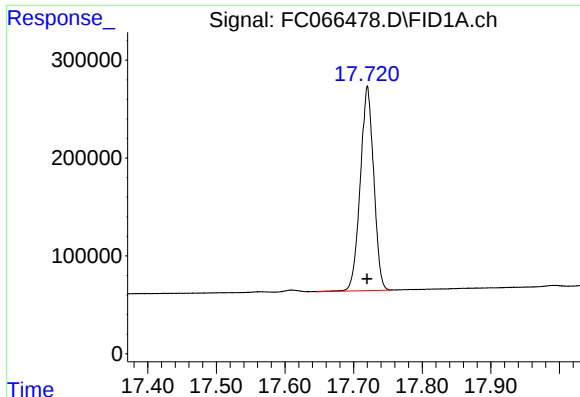
#15 n-Hexacosane (C26)

R.T.: 15.881 min
Delta R.T.: 0.000 min
Response: 2488829
Conc: 18.20 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.832 min
Delta R.T.: 0.000 min
Response: 2559402
Conc: 19.11 ug/ml



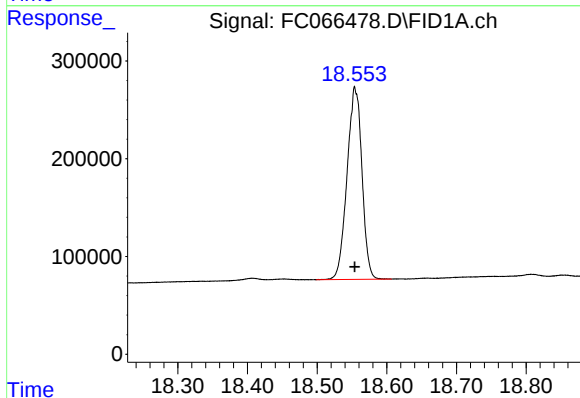
#17 n-Tricontane (C30)

R.T.: 17.720 min
Delta R.T.: 0.000 min
Response: 2846013
Conc: 21.12 ug/ml

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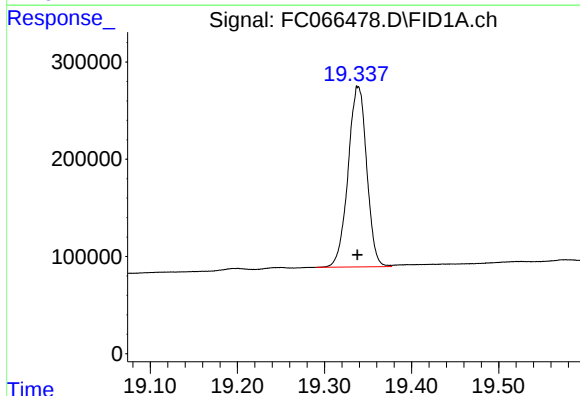
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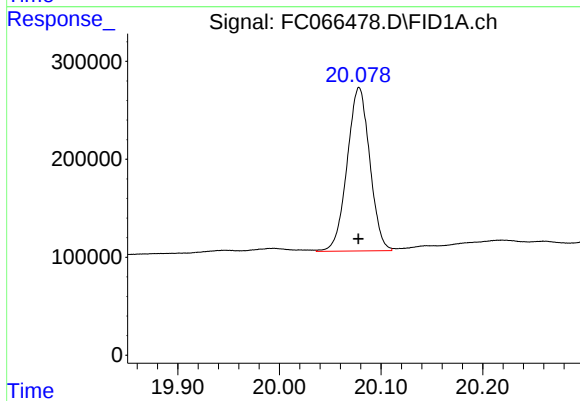
#18 n-Dotriacontane (C32)

R.T.: 18.555 min
Delta R.T.: 0.000 min
Response: 2921993
Conc: 22.69 ug/ml



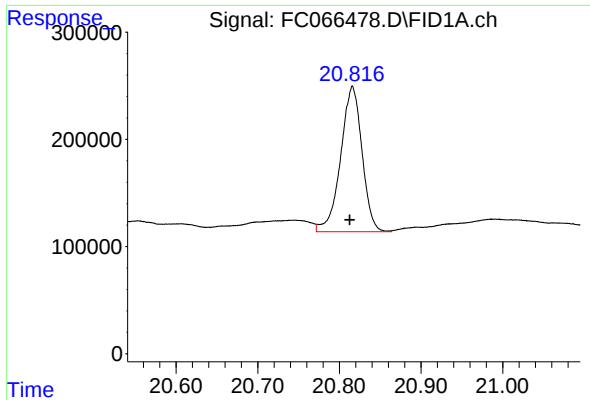
#19 n-Tetratriacontane (C34)

R.T.: 19.339 min
Delta R.T.: 0.000 min
Response: 2760112
Conc: 23.33 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.078 min
Delta R.T.: 0.000 min
Response: 2577818
Conc: 22.43 ug/ml m



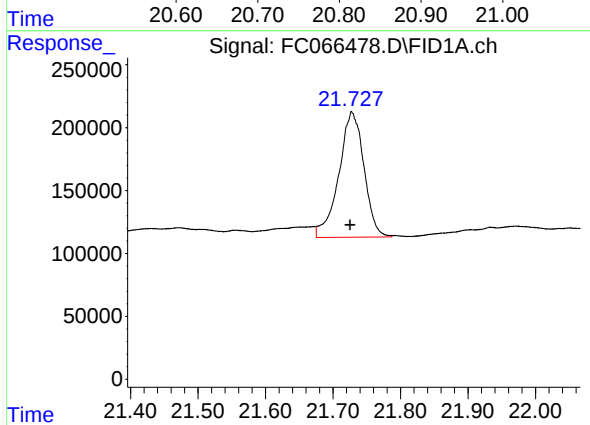
#21 n-Octatriacontane (C38)

R.T.: 20.816 min
Delta R.T.: 0.003 min
Response: 2465619
Conc: 22.91 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.727 min
Delta R.T.: 0.001 min
Response: 2573910
Conc: 24.00 ug/ml m