

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC092523AL\
 Data File : FC064654.D
 Signal(s) : FID1A.ch
 Acq On : 25 Sep 2023 19:49
 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 09/26/2023
 Supervised By :Ankita Jodhani 09/26/2023

Integration File: autoint1.e
 Quant Time: Sep 26 00:15:32 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091523.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 15 01:25:53 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)	11.520	4414370	21.816 ug/ml
Spiked Amount 50.000		Recovery =	43.63%
12) S 1-chlorooctadecane (S...	12.951	3215050	22.073 ug/ml
Spiked Amount 50.000		Recovery =	44.15%
Target Compounds			
1) T n-Nonane (C9)	3.321	3697654	20.924 ug/mlm
2) T n-Decane (C10)	4.381	3774103	21.008 ug/ml
3) T A~Naphthalene (C11.7)	5.960	3999980	21.292 ug/ml
4) T n-Dodecane (C12)	6.390	3826669	21.067 ug/ml
5) T A~2-methylnaphthalene...	7.014	3829267	21.472 ug/ml
6) T n-Tetradecane (C14)	8.178	3741894	21.088 ug/ml
7) T n-Hexadecane (C16)	9.772	3782033	21.040 ug/ml
8) T n-Octadecane (C18)	11.207	3785670	20.909 ug/ml
10) T n-Eicosane (C20)	12.509	3624540	21.278 ug/ml
11) T n-Heneicosane (C21)	13.118	3546815	21.415 ug/ml
13) T n-Docosane (C22)	13.703	3487034	21.405 ug/ml
14) T n-Tetracosane (C24)	14.800	3369557	21.224 ug/ml
15) T n-Hexacosane (C26)	15.816	3225557	21.131 ug/ml
16) T n-Octacosane (C28)	16.760	3132638	21.167 ug/ml
17) T n-Tricontane (C30)	17.643	3183356	21.429 ug/ml
18) T n-Dotriacontane (C32)	18.474	3157744	21.637 ug/ml
19) T n-Tetratriacontane (C34)	19.252	2993426	21.056 ug/ml
20) T n-Hexatriacontane (C36)	19.989	2874769	20.872 ug/ml
21) T n-Octatriacontane (C38)	20.707	2779381	20.280 ug/ml
22) T n-Tetracontane (C40)	21.591	2698407	19.837 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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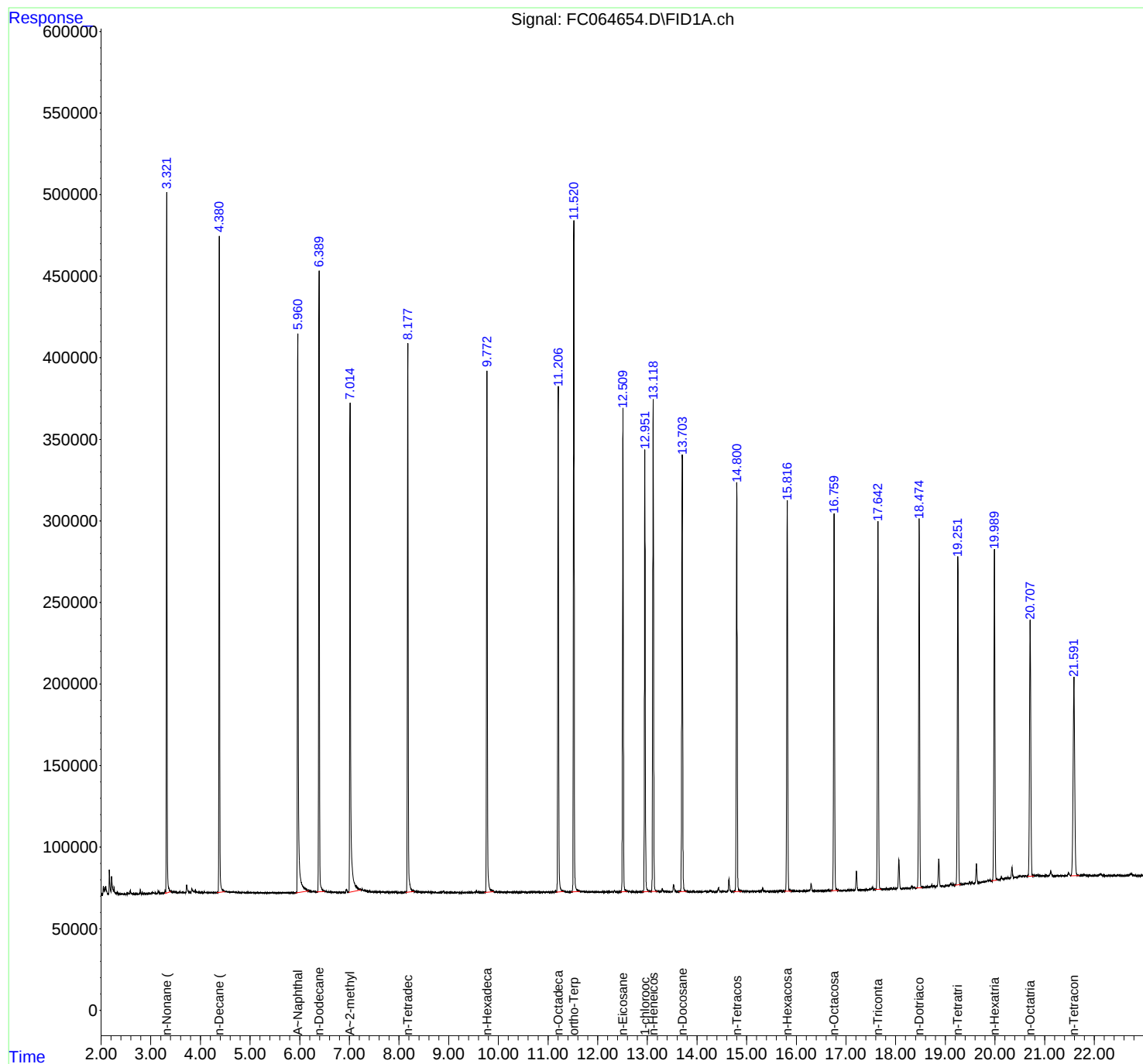
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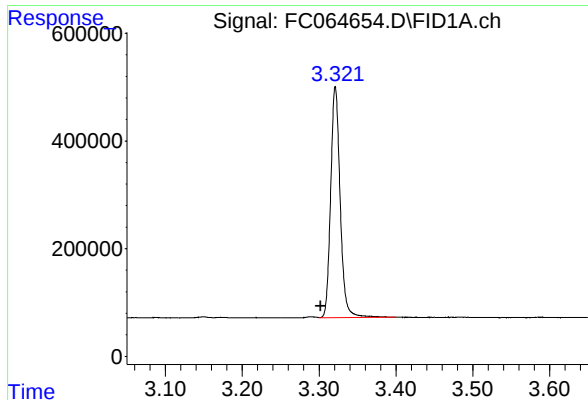
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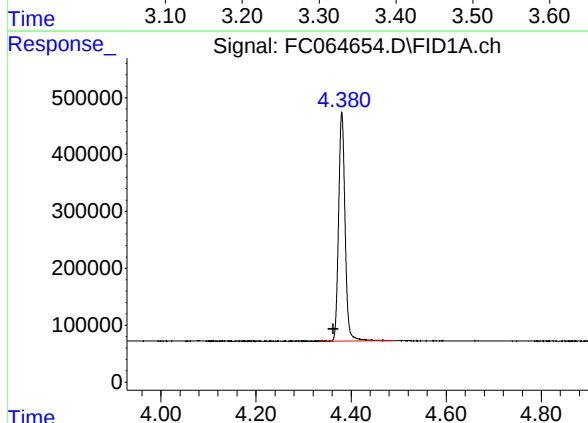
#1 n-Nonane (C9)

R.T.: 3.321 min
Delta R.T.: 0.019 min
Response: 3697654
Conc: 20.92 ug/ml

Instrument :
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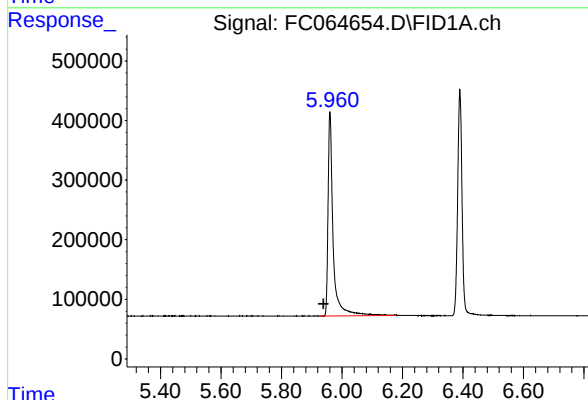
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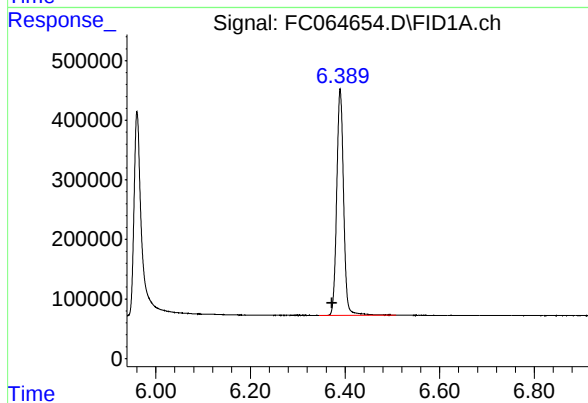
#2 n-Decane (C10)

R.T.: 4.381 min
Delta R.T.: 0.018 min
Response: 3774103
Conc: 21.01 ug/ml



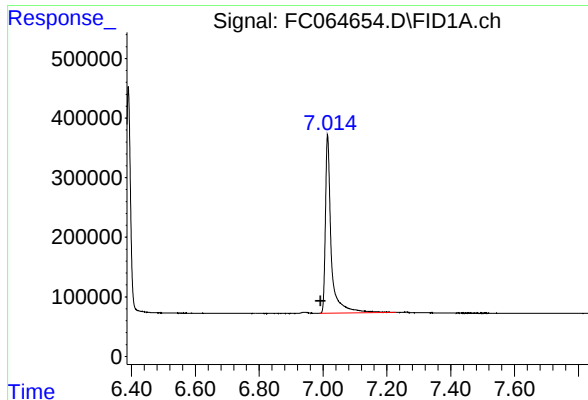
#3 A~Naphthalene (C11.7)

R.T.: 5.960 min
Delta R.T.: 0.021 min
Response: 3999980
Conc: 21.29 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.390 min
Delta R.T.: 0.017 min
Response: 3826669
Conc: 21.07 ug/ml



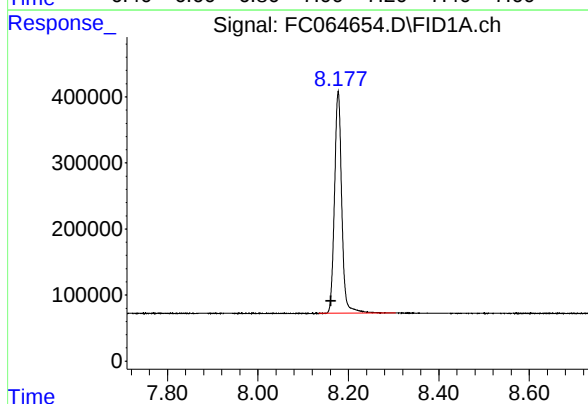
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.014 min
Delta R.T.: 0.022 min
Response: 3829267
Conc: 21.47 ug/ml

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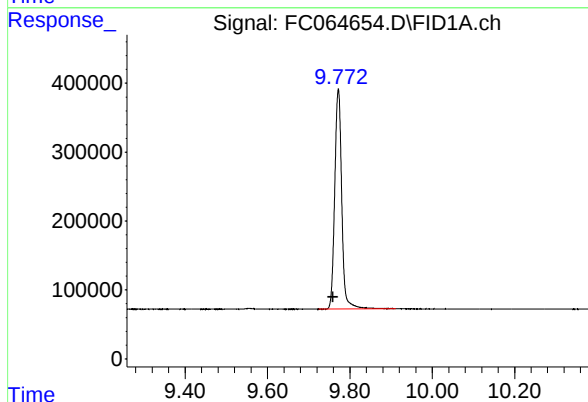
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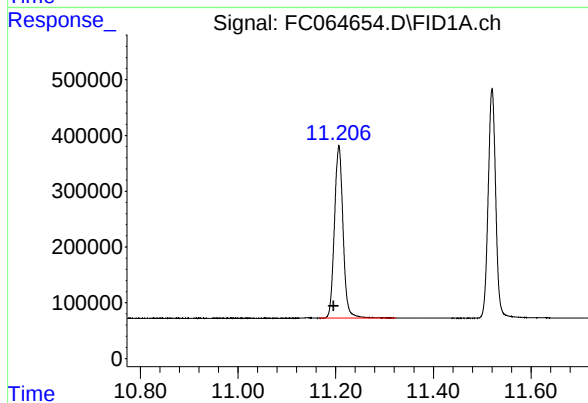
#6 n-Tetradecane (C14)

R.T.: 8.178 min
Delta R.T.: 0.016 min
Response: 3741894
Conc: 21.09 ug/ml



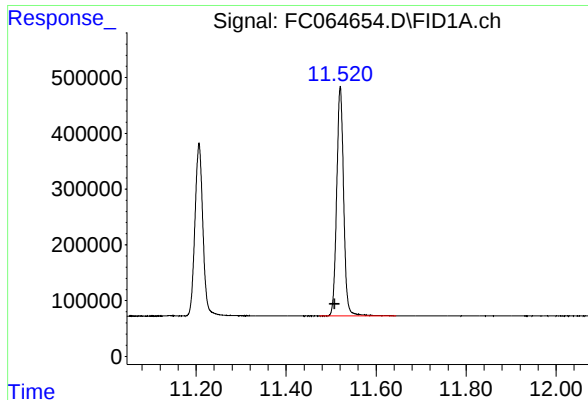
#7 n-Hexadecane (C16)

R.T.: 9.772 min
Delta R.T.: 0.014 min
Response: 3782033
Conc: 21.04 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.207 min
Delta R.T.: 0.011 min
Response: 3785670
Conc: 20.91 ug/ml



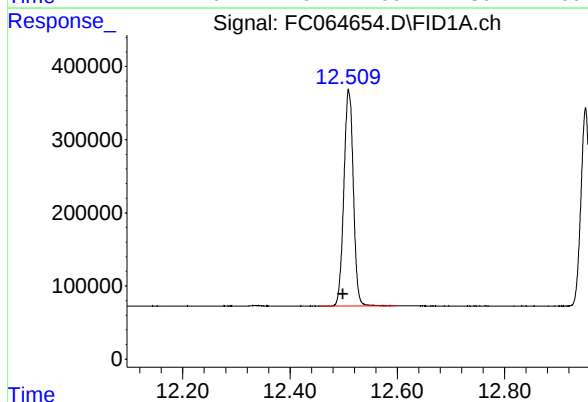
#9 ortho-Terphenyl (SURR)

R.T.: 11.520 min
Delta R.T.: 0.012 min
Response: 4414370
Conc: 21.82 ug/ml

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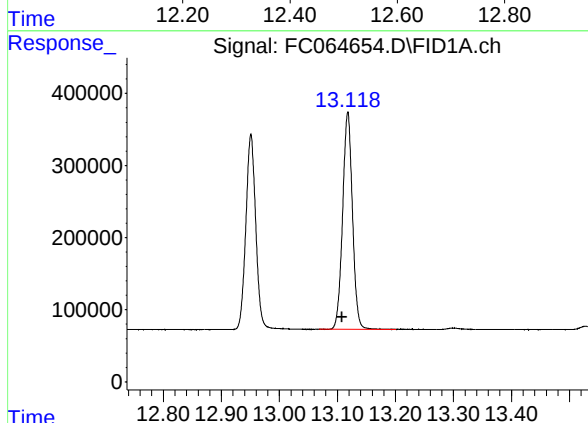
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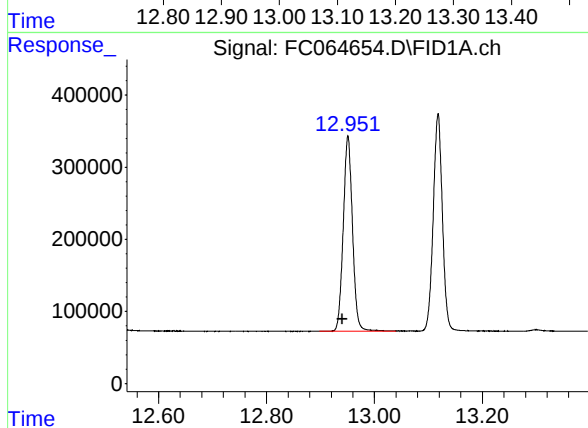
#10 n-Eicosane (C20)

R.T.: 12.509 min
Delta R.T.: 0.010 min
Response: 3624540
Conc: 21.28 ug/ml



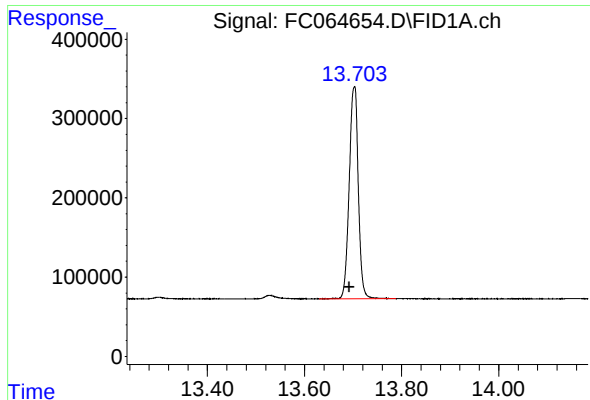
#11 n-Heneicosane (C21)

R.T.: 13.118 min
Delta R.T.: 0.010 min
Response: 3546815
Conc: 21.41 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.951 min
Delta R.T.: 0.011 min
Response: 3215050
Conc: 22.07 ug/ml



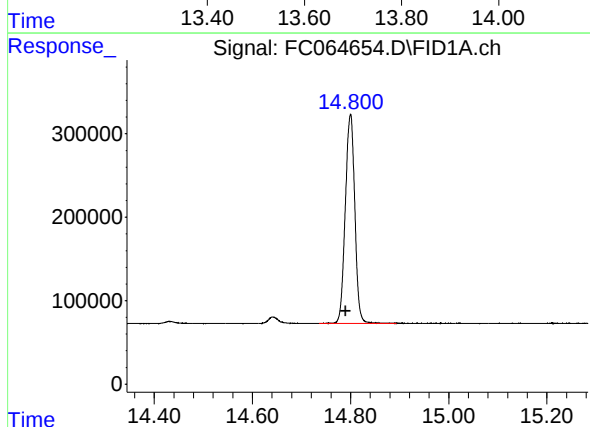
#13 n-Docosane (C22)

R.T.: 13.703 min
Delta R.T.: 0.011 min
Response: 3487034
Conc: 21.40 ug/ml

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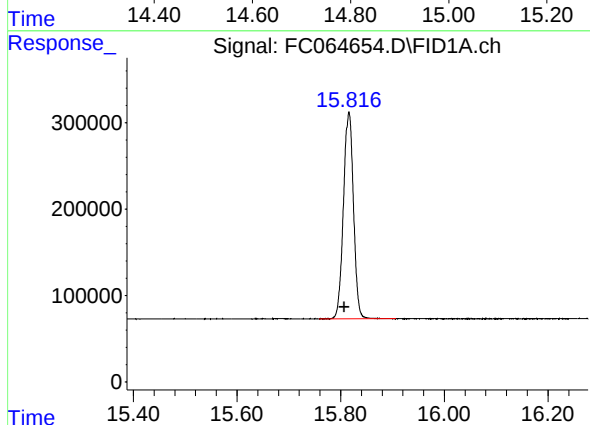
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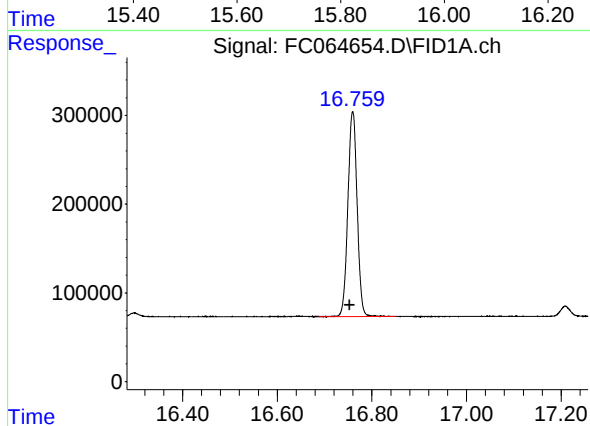
#14 n-Tetracosane (C24)

R.T.: 14.800 min
Delta R.T.: 0.010 min
Response: 3369557
Conc: 21.22 ug/ml



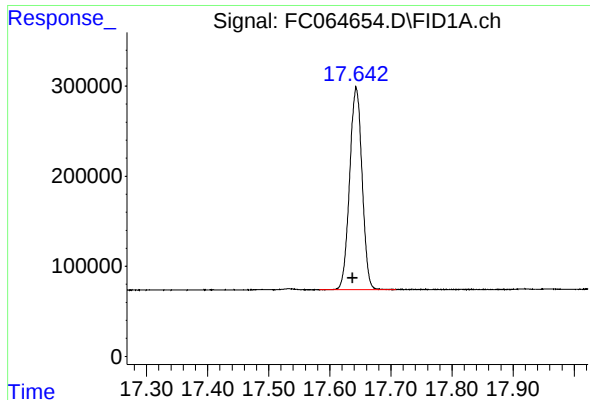
#15 n-Hexacosane (C26)

R.T.: 15.816 min
Delta R.T.: 0.009 min
Response: 3225557
Conc: 21.13 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.760 min
Delta R.T.: 0.006 min
Response: 3132638
Conc: 21.17 ug/ml



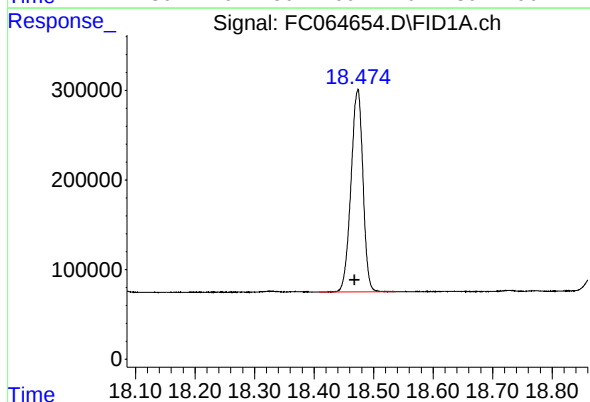
#17 n-Tricontane (C30)

R.T.: 17.643 min
Delta R.T.: 0.006 min
Response: 3183356
Conc: 21.43 ug/ml

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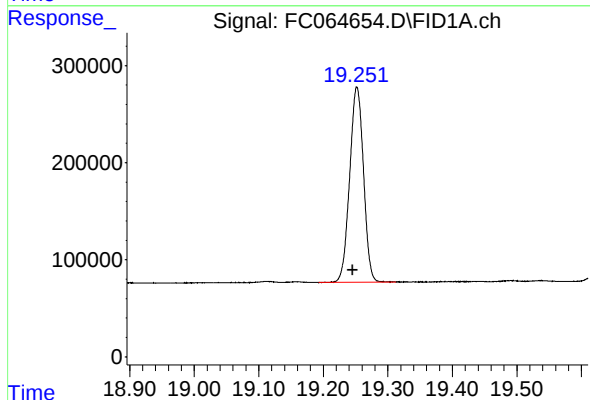
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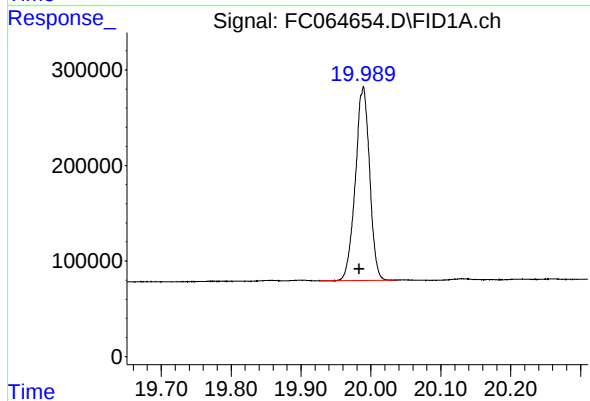
#18 n-Dotriacontane (C32)

R.T.: 18.474 min
Delta R.T.: 0.006 min
Response: 3157744
Conc: 21.64 ug/ml



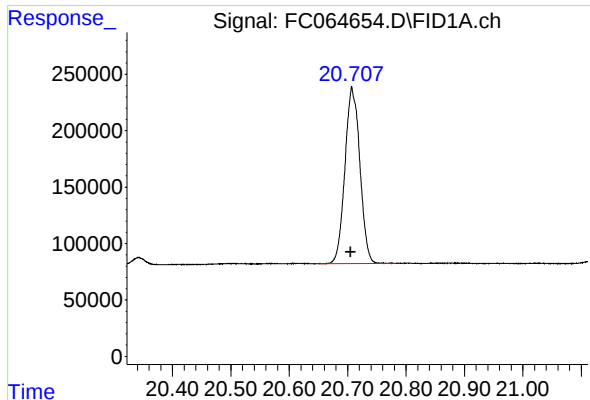
#19 n-Tetratriacontane (C34)

R.T.: 19.252 min
Delta R.T.: 0.006 min
Response: 2993426
Conc: 21.06 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.989 min
Delta R.T.: 0.005 min
Response: 2874769
Conc: 20.87 ug/ml



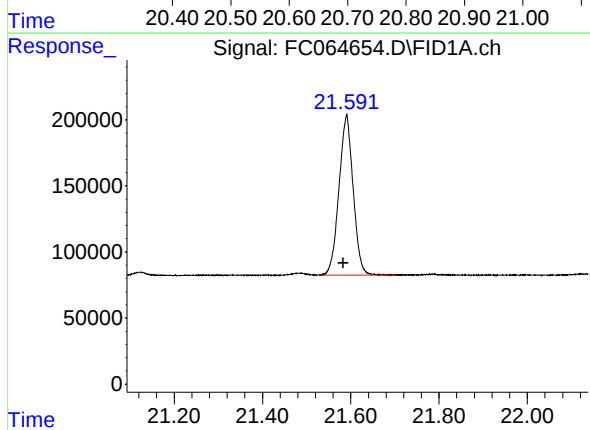
#21 n-Octatriacontane (C38)

R.T.: 20.707 min
Delta R.T.: 0.002 min
Response: 2779381
Conc: 20.28 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.591 min
Delta R.T.: 0.008 min
Response: 2698407
Conc: 19.84 ug/ml