

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC090722AL\
 Data File : FC061456.D
 Signal(s) : FID1A.ch
 Acq On : 08 Sep 2022 02:44
 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 09/08/2022
 Supervised By :Ankita Jodhani 09/08/2022

Integration File: autoint1.e
 Quant Time: Sep 08 04:50:00 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 082222.M
 Quant Title : GC Extractables
 QLast Update : Wed Aug 31 11:58:37 2022
 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)	11.578	2980064	16.834 ug/ml
Spiked Amount 50.000		Recovery =	33.67%
12) S 1-chlorooctadecane (S...	13.015	2351429	16.790 ug/ml
Spiked Amount 50.000		Recovery =	33.58%
Target Compounds			
1) T n-Nonane (C9)	3.337	2692077	17.806 ug/ml
2) T n-Decane (C10)	4.404	2788626	18.378 ug/ml
3) T A~Naphthalene (C11.7)	5.988	3140639	18.143 ug/ml
4) T n-Dodecane (C12)	6.421	2813748	18.168 ug/ml
5) T A~2-methylnaphthalene...	7.044	3166523	17.983 ug/ml
6) T n-Tetradecane (C14)	8.218	2808555	17.956 ug/ml
7) T n-Hexadecane (C16)	9.819	2787291	17.795 ug/ml
8) T n-Octadecane (C18)	11.262	2774731	17.588 ug/ml
10) T n-Eicosane (C20)	12.571	2676071	17.214 ug/ml
11) T n-Heneicosane (C21)	13.183	2635969	16.852 ug/ml
13) T n-Docosane (C22)	13.769	2615093	16.852 ug/ml
14) T n-Tetracosane (C24)	14.871	2605330	16.841 ug/ml
15) T n-Hexacosane (C26)	15.891	2524829	16.776 ug/ml
16) T n-Octacosane (C28)	16.840	2549793	17.263 ug/ml
17) T n-Tricontane (C30)	17.727	2622824	18.990 ug/ml
18) T n-Dotriacontane (C32)	18.559	2292057	20.882 ug/ml
19) T n-Tetratriacontane (C34)	19.343	1714635	22.214 ug/mlm
20) T n-Hexatriacontane (C36)	20.082	1320364	23.387 ug/mlm
21) T n-Octatriacontane (C38)	20.816	1076426	23.203 ug/ml
22) T n-Tetracontane (C40)	21.728	964398	22.993 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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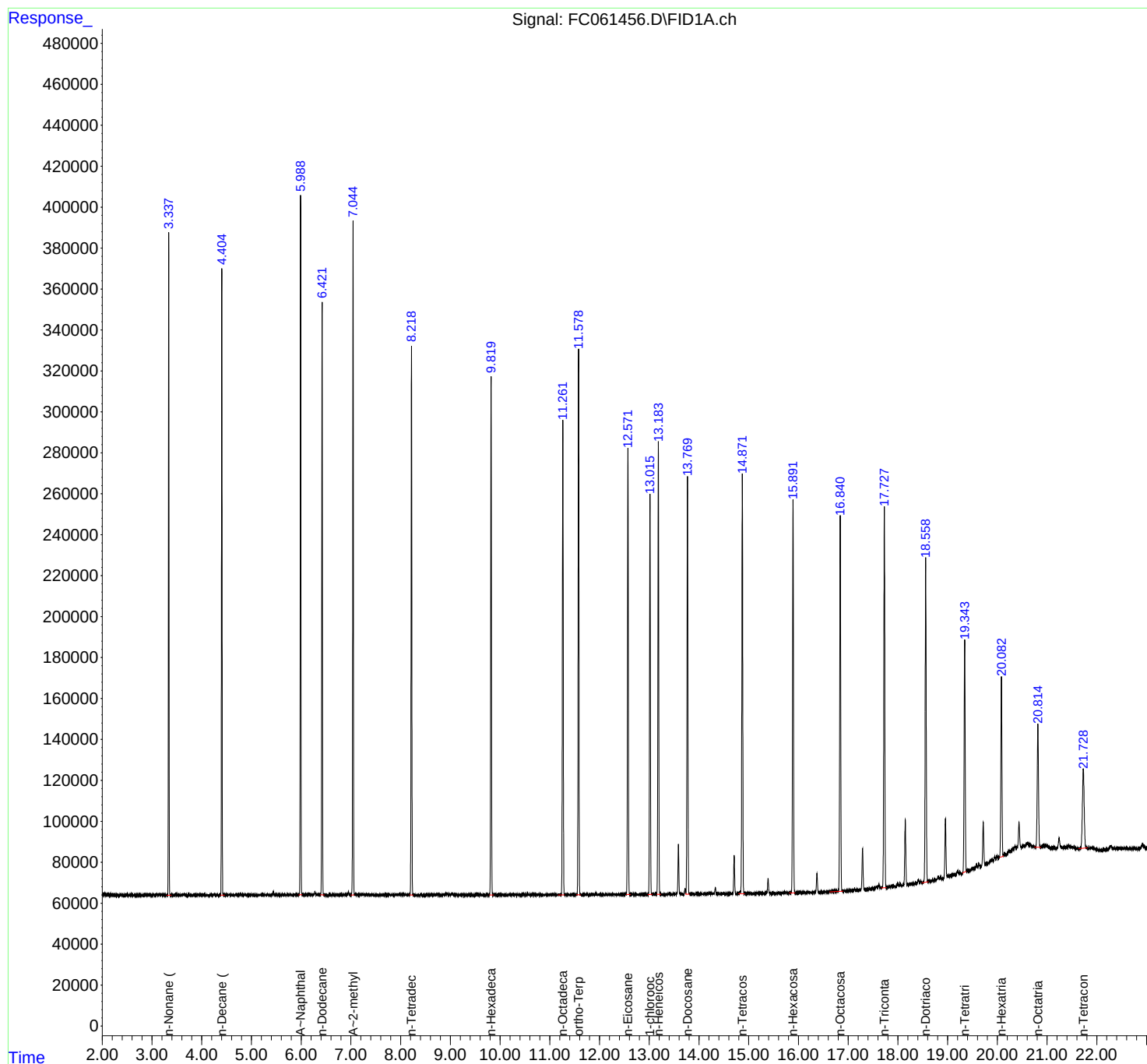
Instrument :
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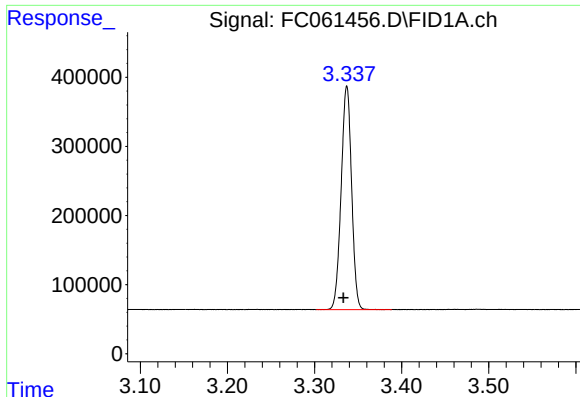
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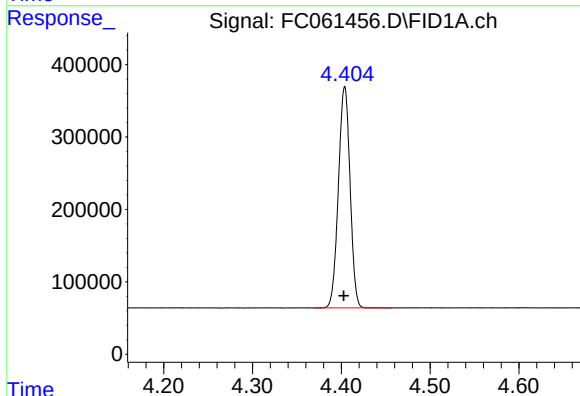
#1 n-Nonane (C9)

R.T.: 3.337 min
Delta R.T.: 0.004 min
Response: 2692077
Conc: 17.81 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

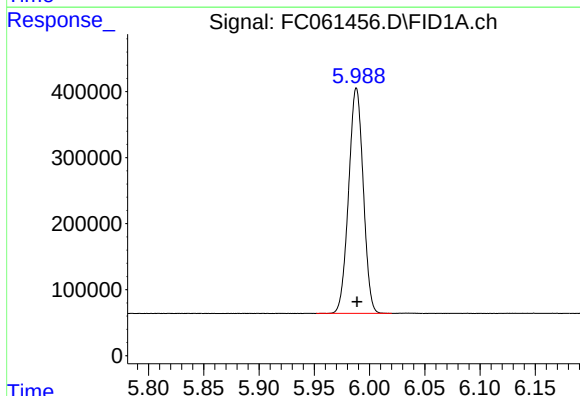
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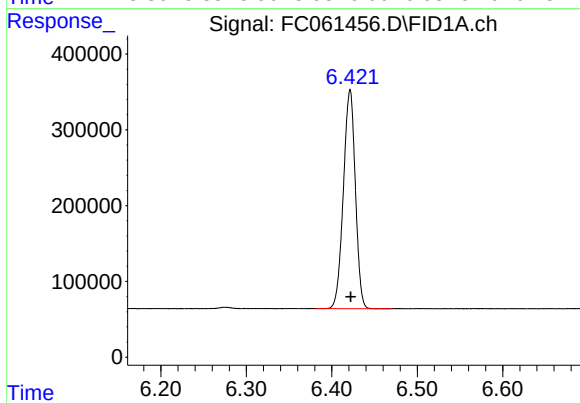
#2 n-Decane (C10)

R.T.: 4.404 min
Delta R.T.: 0.000 min
Response: 2788626
Conc: 18.38 ug/ml



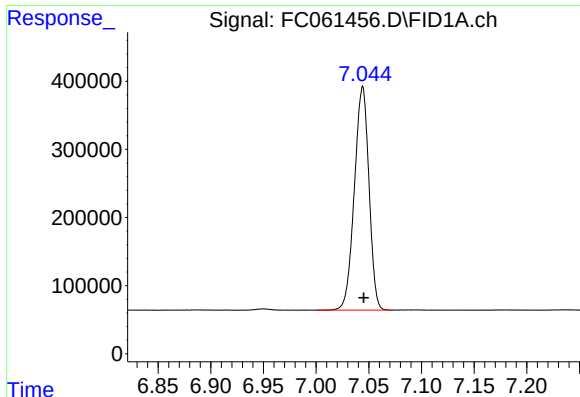
#3 A~Naphthalene (C11.7)

R.T.: 5.988 min
Delta R.T.: 0.000 min
Response: 3140639
Conc: 18.14 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.421 min
Delta R.T.: 0.000 min
Response: 2813748
Conc: 18.17 ug/ml



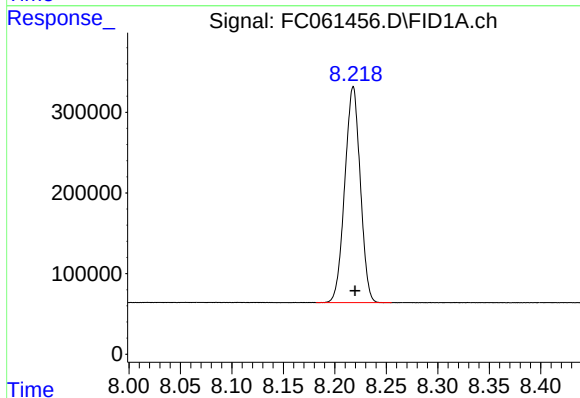
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.044 min
Delta R.T.: -0.001 min
Response: 3166523
Conc: 17.98 ug/ml

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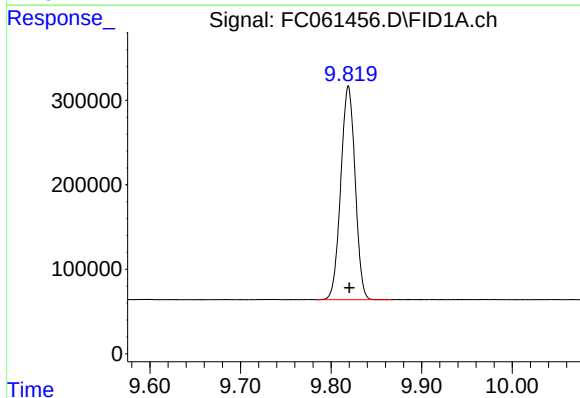
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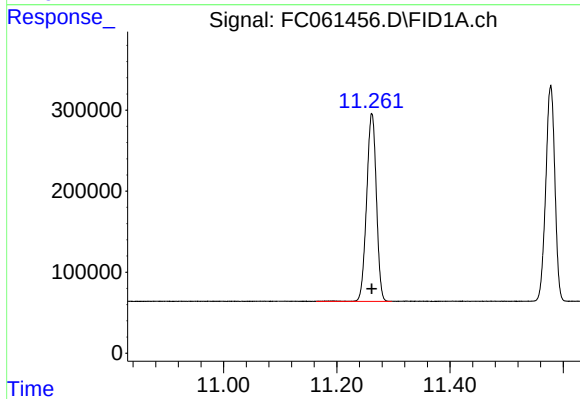
#6 n-Tetradecane (C14)

R.T.: 8.218 min
Delta R.T.: -0.002 min
Response: 2808555
Conc: 17.96 ug/ml



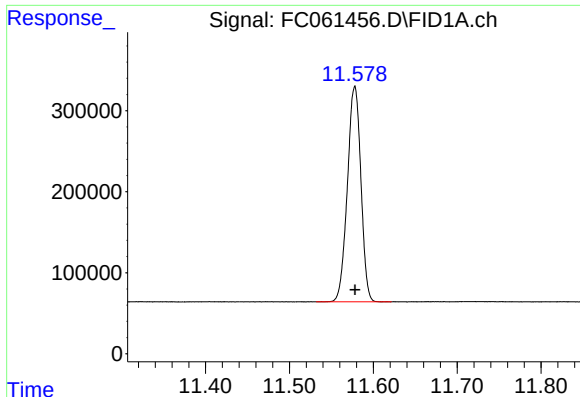
#7 n-Hexadecane (C16)

R.T.: 9.819 min
Delta R.T.: -0.001 min
Response: 2787291
Conc: 17.80 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.262 min
Delta R.T.: 0.000 min
Response: 2774731
Conc: 17.59 ug/ml



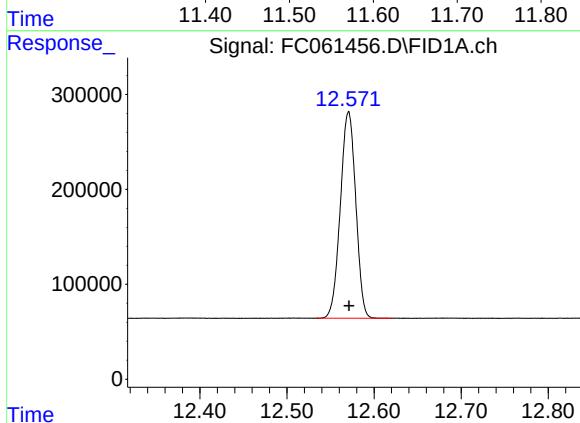
#9 ortho-Terphenyl (SURR)

R.T.: 11.578 min
Delta R.T.: 0.000 min
Response: 2980064
Conc: 16.83 ug/ml

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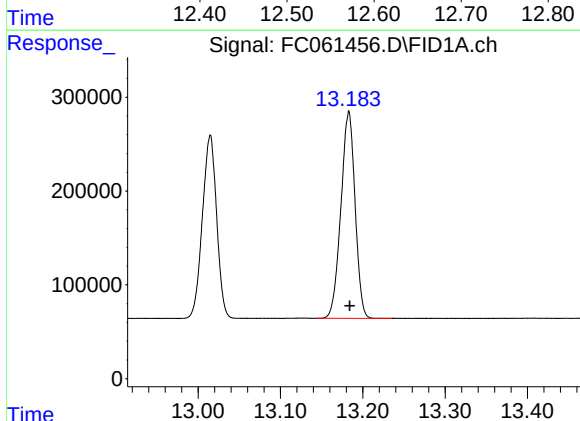
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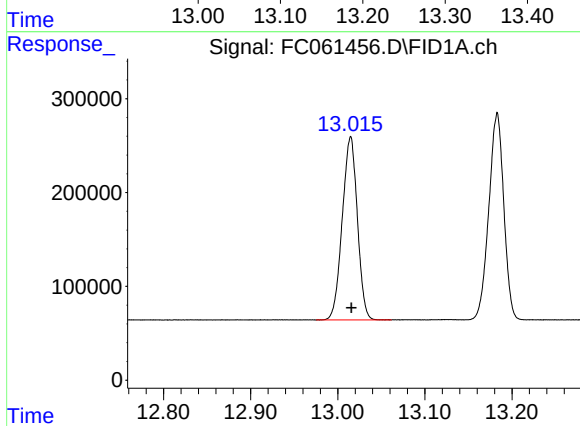
#10 n-Eicosane (C20)

R.T.: 12.571 min
Delta R.T.: 0.000 min
Response: 2676071
Conc: 17.21 ug/ml



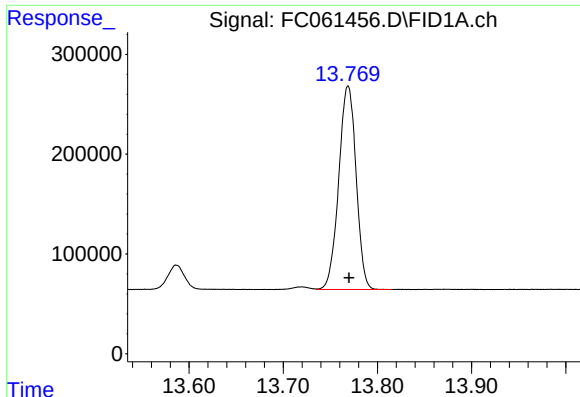
#11 n-Heneicosane (C21)

R.T.: 13.183 min
Delta R.T.: -0.001 min
Response: 2635969
Conc: 16.85 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.015 min
Delta R.T.: -0.001 min
Response: 2351429
Conc: 16.79 ug/ml



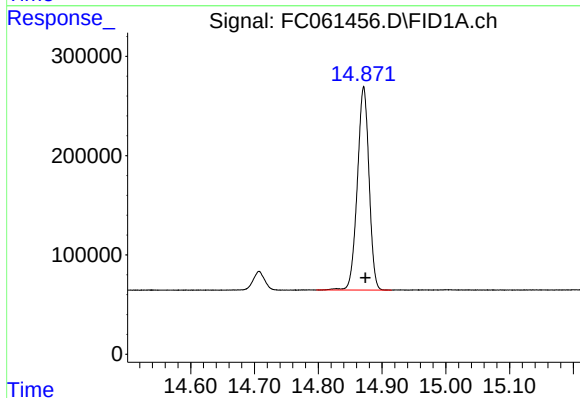
#13 n-Docosane (C22)

R.T.: 13.769 min
Delta R.T.: -0.001 min
Response: 2615093
Conc: 16.85 ug/ml

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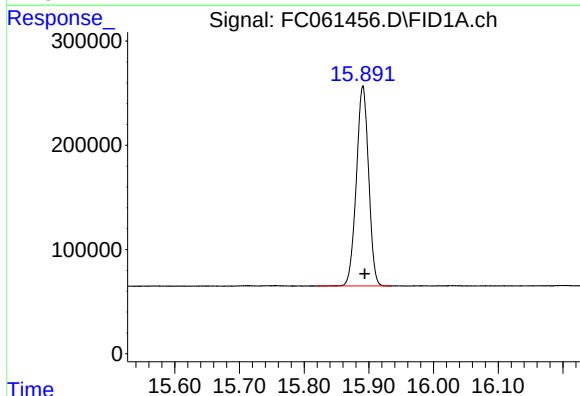
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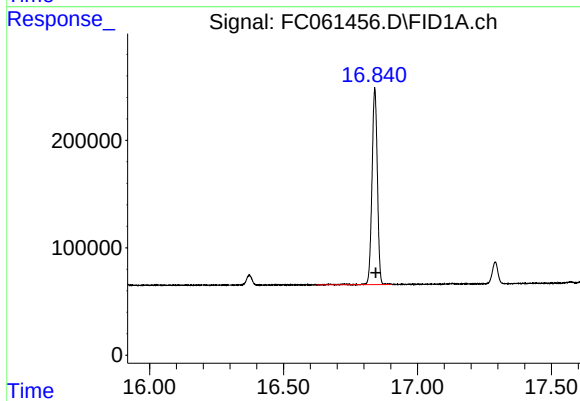
#14 n-Tetracosane (C24)

R.T.: 14.871 min
Delta R.T.: -0.003 min
Response: 2605330
Conc: 16.84 ug/ml



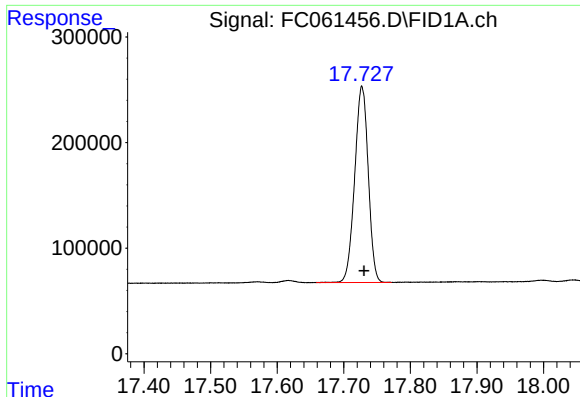
#15 n-Hexacosane (C26)

R.T.: 15.891 min
Delta R.T.: -0.003 min
Response: 2524829
Conc: 16.78 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.840 min
Delta R.T.: -0.003 min
Response: 2549793
Conc: 17.26 ug/ml



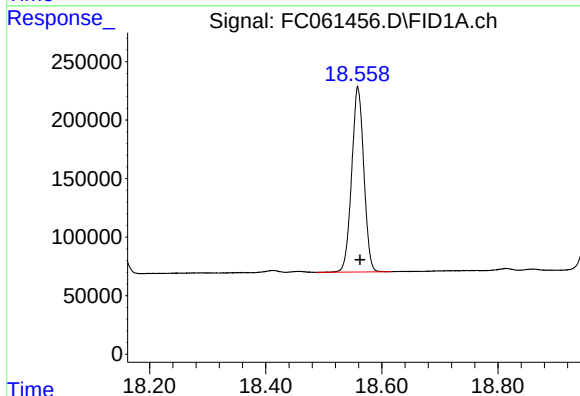
#17 n-Tricontane (C30)

R.T.: 17.727 min
Delta R.T.: -0.003 min
Response: 2622824
Conc: 18.99 ug/ml

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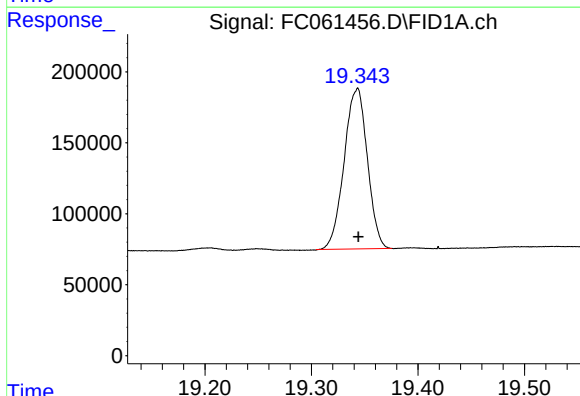
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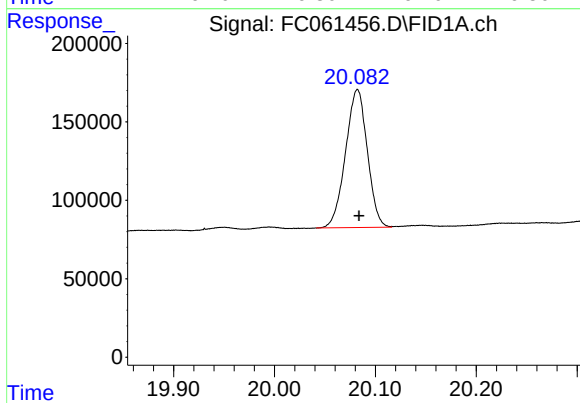
#18 n-Dotriacontane (C32)

R.T.: 18.559 min
Delta R.T.: -0.003 min
Response: 2292057
Conc: 20.88 ug/ml



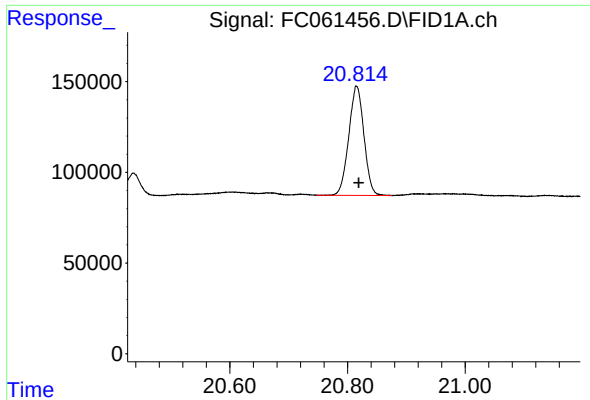
#19 n-Tetratriacontane (C34)

R.T.: 19.343 min
Delta R.T.: 0.000 min
Response: 1714635
Conc: 22.21 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.082 min
Delta R.T.: -0.002 min
Response: 1320364
Conc: 23.39 ug/ml m



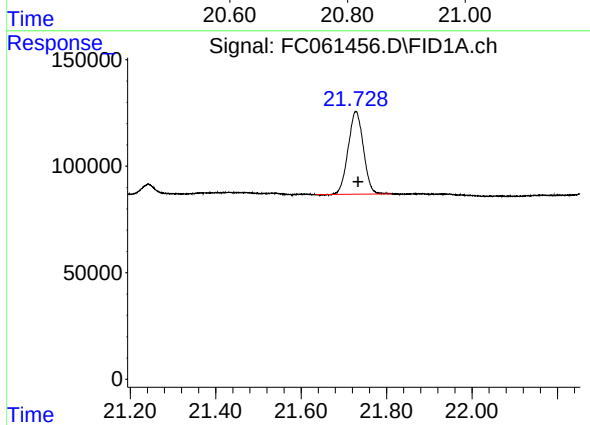
#21 n-Octatriacontane (C38)

R.T.: 20.816 min
Delta R.T.: -0.003 min
Response: 1076426
Conc: 23.20 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.728 min
Delta R.T.: -0.005 min
Response: 964398
Conc: 22.99 ug/ml