

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111022AL\
 Data File : FC062143.D
 Signal(s) : FID1A.ch
 Acq On : 10 Nov 2022 14:09
 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 11/11/2022
 Supervised By :Ankita Jodhani 11/11/2022

Integration File: autoint1.e
 Quant Time: Nov 11 04:42:08 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 101722.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 17 23:26:31 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)	11.595	2388023	16.066 ug/ml
Spiked Amount 50.000		Recovery =	32.13%
12) S 1-chlorooctadecane (S...	13.031	1854864	15.921 ug/ml
Spiked Amount 50.000		Recovery =	31.84%
Target Compounds			
1) T n-Nonane (C9)	3.355	2386132	16.964 ug/ml
2) T n-Decane (C10)	4.422	2487846	17.428 ug/ml
3) T A~Naphthalene (C11.7)	6.009	2522720	16.344 ug/ml
4) T n-Dodecane (C12)	6.442	2478543	17.073 ug/ml
5) T A~2-methylnaphthalene...	7.067	2450242	16.152 ug/ml
6) T n-Tetradecane (C14)	8.237	2414794	16.612 ug/ml
7) T n-Hexadecane (C16)	9.836	2378041	16.330 ug/ml
8) T n-Octadecane (C18)	11.279	2336124	16.162 ug/ml
10) T n-Eicosane (C20)	12.586	2263241	16.036 ug/ml
11) T n-Heneicosane (C21)	13.198	2213551	15.953 ug/ml
13) T n-Docosane (C22)	13.781	2216275	16.166 ug/mlm
14) T n-Tetracosane (C24)	14.885	2162647	16.367 ug/ml
15) T n-Hexacosane (C26)	15.906	2183222	17.326 ug/ml
16) T n-Octacosane (C28)	16.852	2294986	19.029 ug/ml
17) T n-Tricontane (C30)	17.739	2656433	22.326 ug/ml
18) T n-Dotriacontane (C32)	18.570	2808022	23.833 ug/ml
19) T n-Tetratriacontane (C34)	19.351	2588459	22.912 ug/ml
20) T n-Hexatriacontane (C36)	20.090	2399563	21.158 ug/ml
21) T n-Octatriacontane (C38)	20.828	2200242	19.554 ug/ml
22) T n-Tetracontane (C40)	21.743	2050331	18.263 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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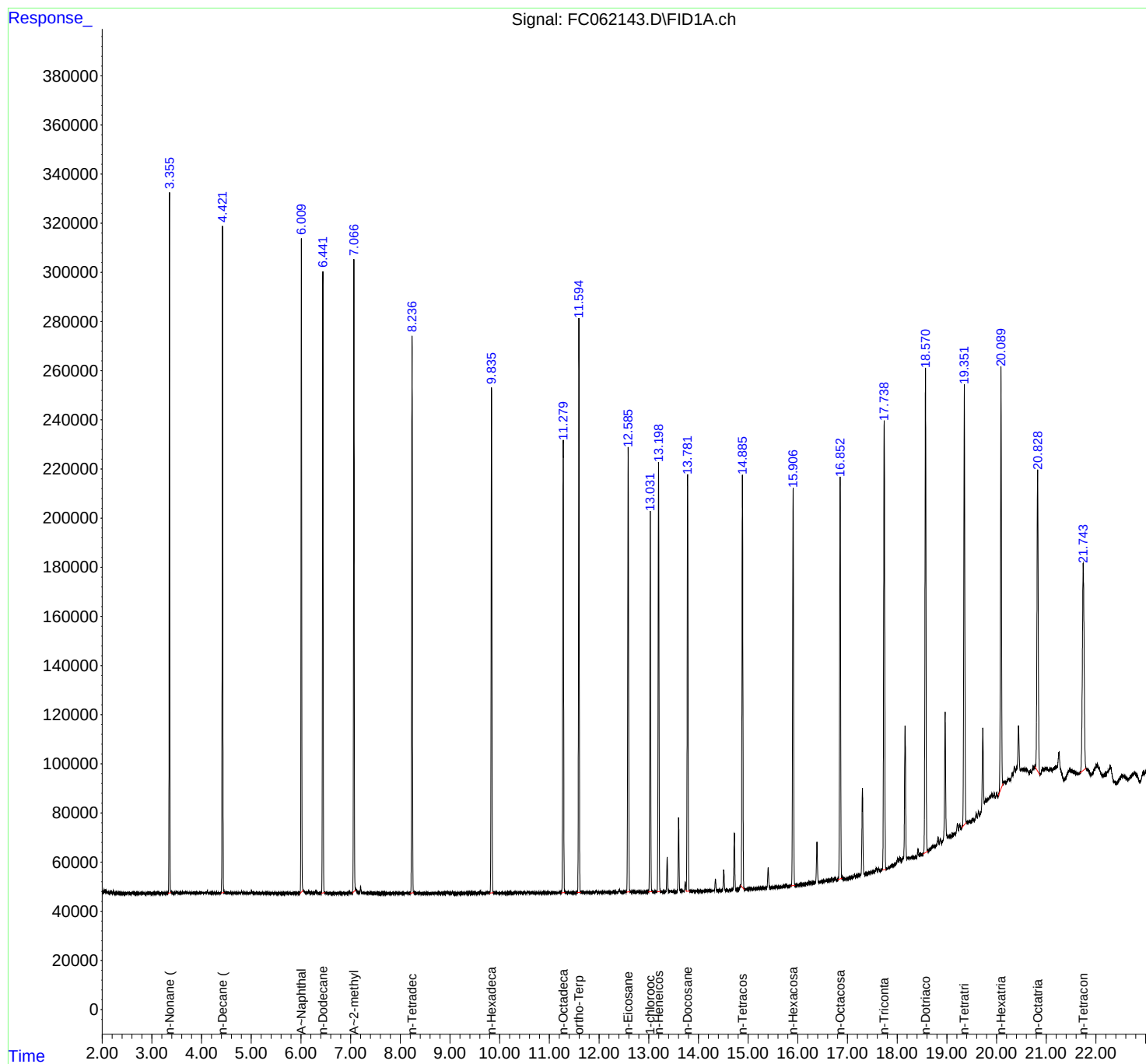
Instrument :
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20 PPM ALIPHATIC HC STD

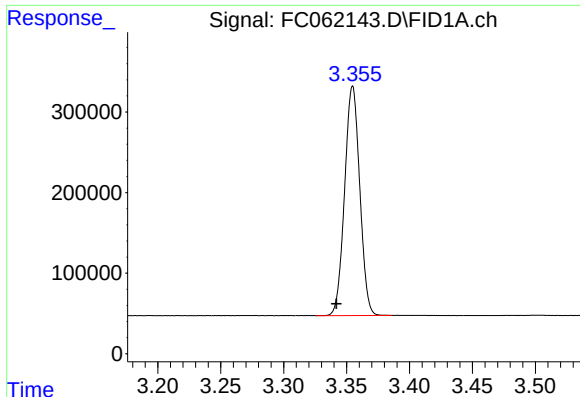
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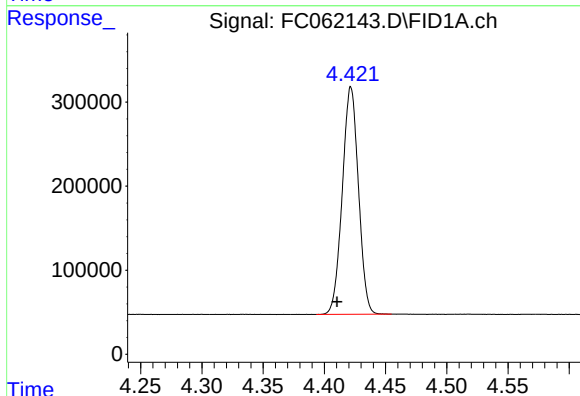
#1 n-Nonane (C9)

R.T.: 3.355 min
Delta R.T.: 0.013 min
Response: 2386132
Conc: 16.96 ug/ml

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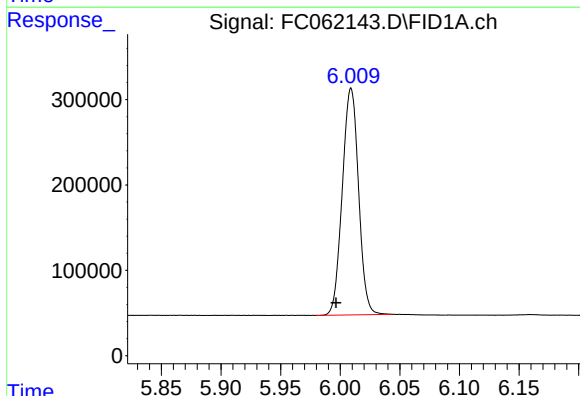
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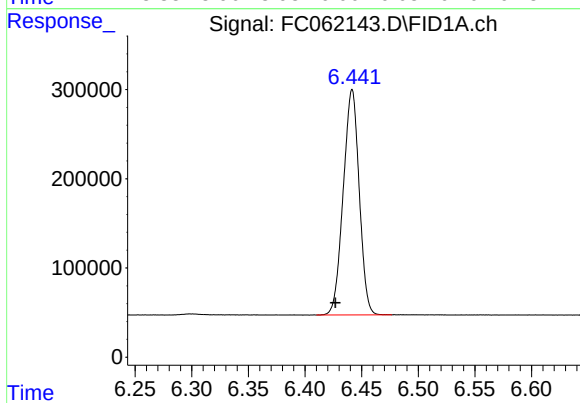
#2 n-Decane (C10)

R.T.: 4.422 min
Delta R.T.: 0.011 min
Response: 2487846
Conc: 17.43 ug/ml



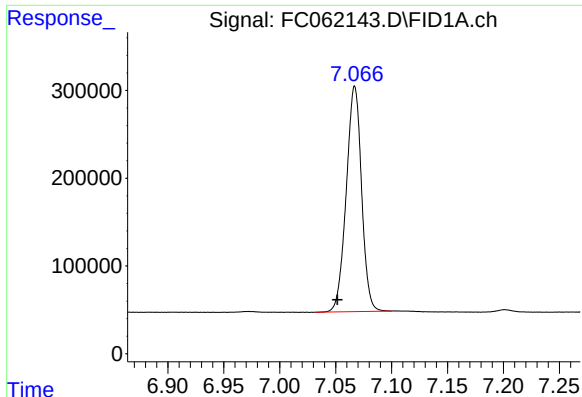
#3 A~Naphthalene (C11.7)

R.T.: 6.009 min
Delta R.T.: 0.013 min
Response: 2522720
Conc: 16.34 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.442 min
Delta R.T.: 0.015 min
Response: 2478543
Conc: 17.07 ug/ml



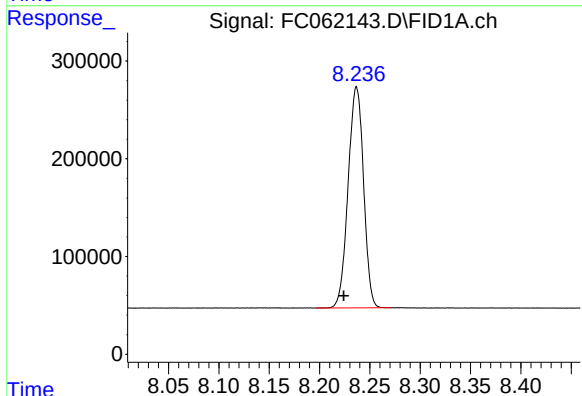
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.067 min
Delta R.T.: 0.015 min
Response: 2450242
Conc: 16.15 ug/ml

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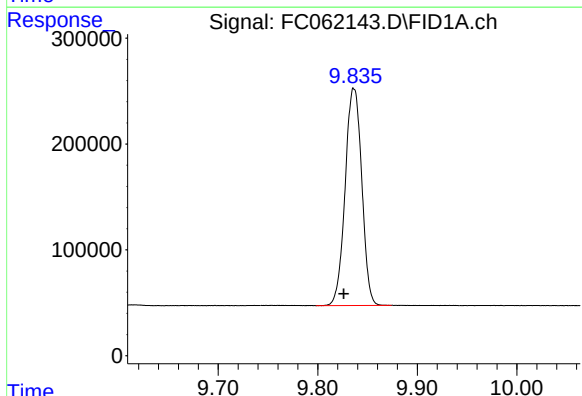
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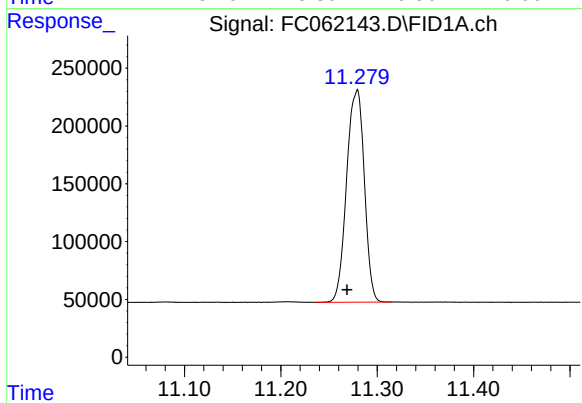
#6 n-Tetradecane (C14)

R.T.: 8.237 min
Delta R.T.: 0.013 min
Response: 2414794
Conc: 16.61 ug/ml



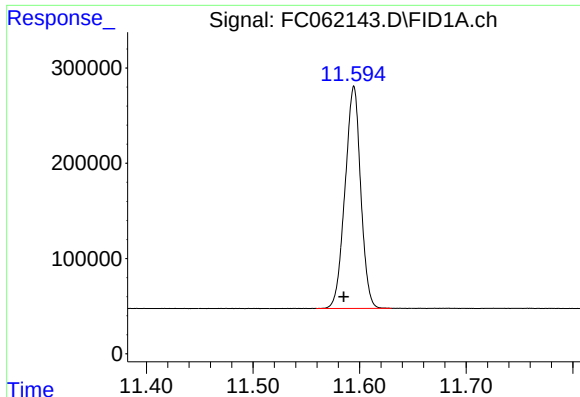
#7 n-Hexadecane (C16)

R.T.: 9.836 min
Delta R.T.: 0.010 min
Response: 2378041
Conc: 16.33 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.279 min
Delta R.T.: 0.010 min
Response: 2336124
Conc: 16.16 ug/ml



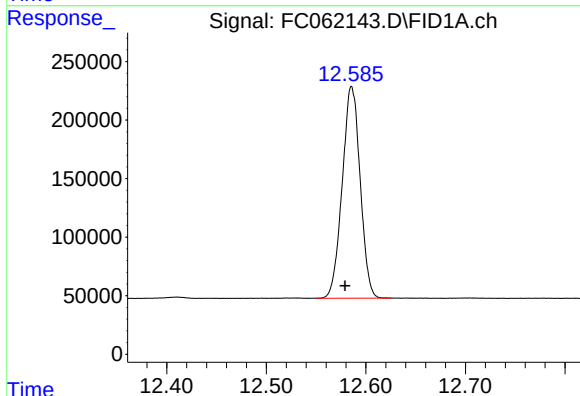
#9 ortho-Terphenyl (SURR)

R.T.: 11.595 min
Delta R.T.: 0.010 min
Response: 2388023
Conc: 16.07 ug/ml

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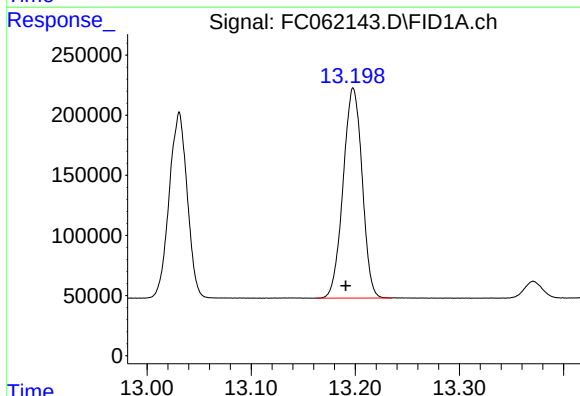
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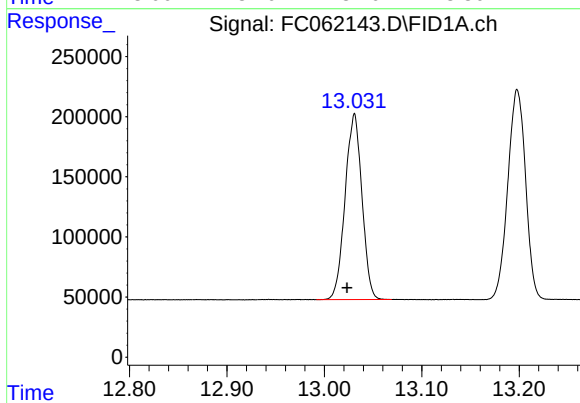
#10 n-Eicosane (C20)

R.T.: 12.586 min
Delta R.T.: 0.007 min
Response: 2263241
Conc: 16.04 ug/ml



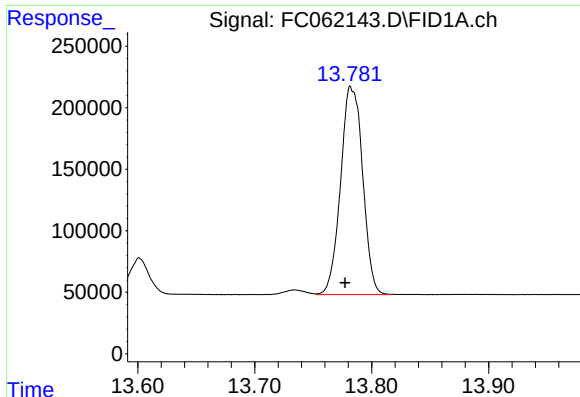
#11 n-Heneicosane (C21)

R.T.: 13.198 min
Delta R.T.: 0.007 min
Response: 2213551
Conc: 15.95 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.031 min
Delta R.T.: 0.008 min
Response: 1854864
Conc: 15.92 ug/ml



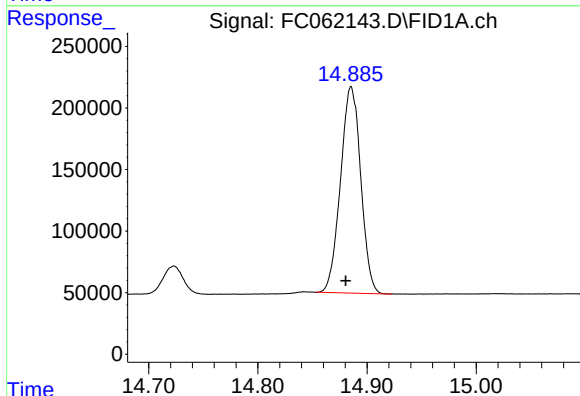
#13 n-Docosane (C22)

R.T.: 13.781 min
Delta R.T.: 0.004 min
Response: 2216275
Conc: 16.17 ug/ml

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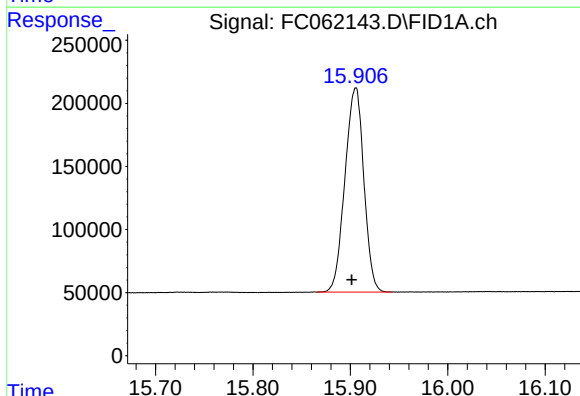
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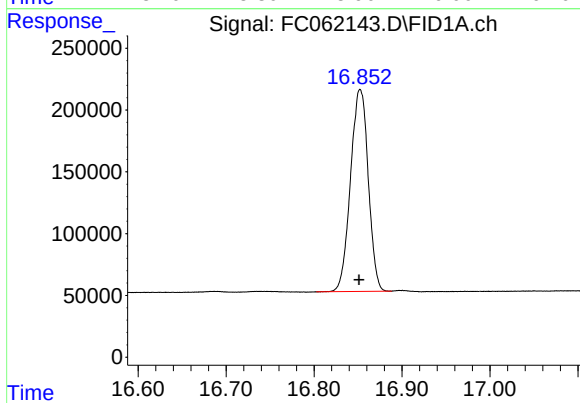
#14 n-Tetracosane (C24)

R.T.: 14.885 min
Delta R.T.: 0.005 min
Response: 2162647
Conc: 16.37 ug/ml



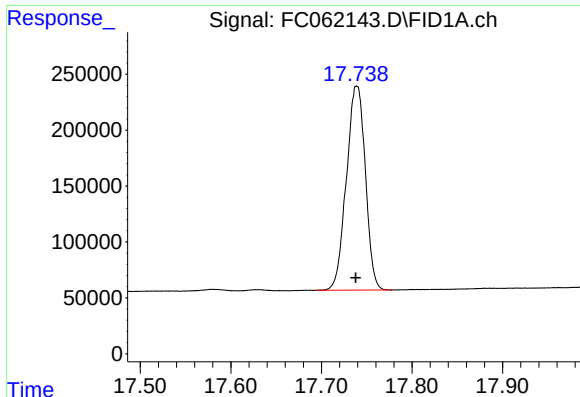
#15 n-Hexacosane (C26)

R.T.: 15.906 min
Delta R.T.: 0.004 min
Response: 2183222
Conc: 17.33 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.852 min
Delta R.T.: 0.001 min
Response: 2294986
Conc: 19.03 ug/ml



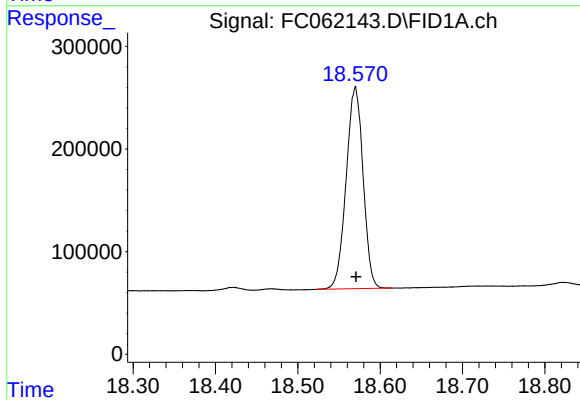
#17 n-Tricontane (C30)

R.T.: 17.739 min
Delta R.T.: 0.001 min
Response: 2656433
Conc: 22.33 ug/ml

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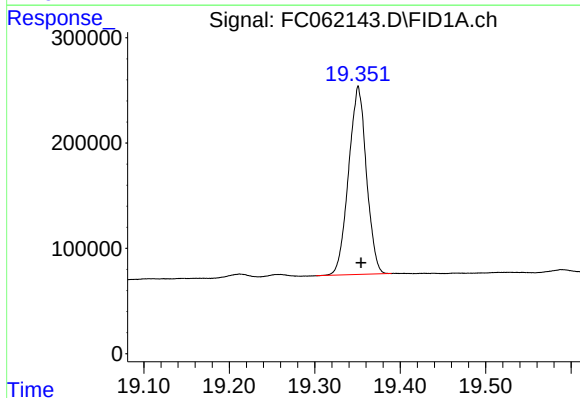
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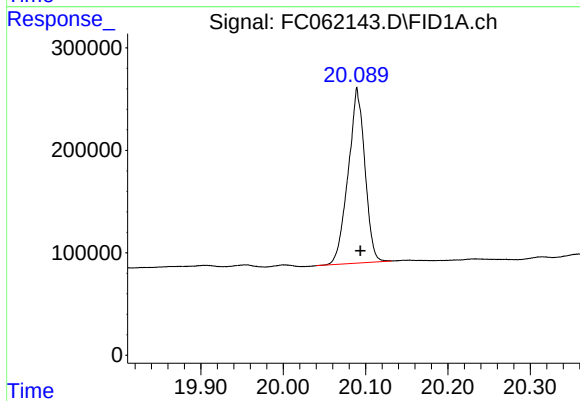
#18 n-Dotriacontane (C32)

R.T.: 18.570 min
Delta R.T.: -0.001 min
Response: 2808022
Conc: 23.83 ug/ml



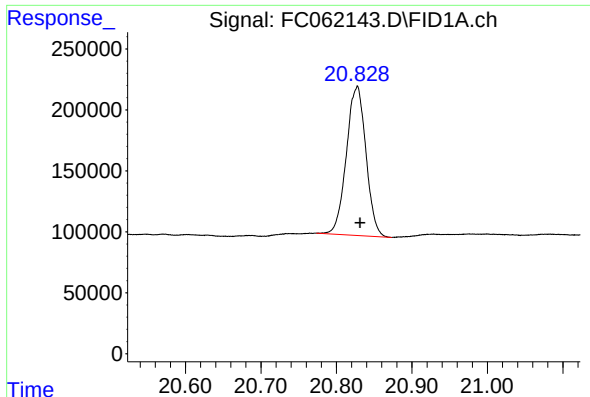
#19 n-Tetratriacontane (C34)

R.T.: 19.351 min
Delta R.T.: -0.004 min
Response: 2588459
Conc: 22.91 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.090 min
Delta R.T.: -0.004 min
Response: 2399563
Conc: 21.16 ug/ml



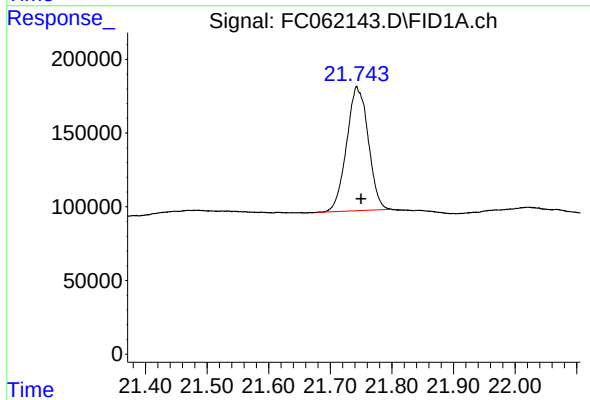
#21 n-Octatriacontane (C38)

R.T.: 20.828 min
Delta R.T.: -0.004 min
Response: 2200242
Conc: 19.55 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.743 min
Delta R.T.: -0.007 min
Response: 2050331
Conc: 18.26 ug/ml