

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC090122AL\
 Data File : FC061401.D
 Signal(s) : FID1A.ch
 Acq On : 01 Sep 2022 09:51
 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 09/02/2022
 Supervised By :Ankita Jodhani 09/02/2022

Integration File: autoint1.e
 Quant Time: Sep 02 01:24:42 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)	11.581	3147049	17.777 ug/ml
Spiked Amount 50.000		Recovery =	35.55%
12) S 1-chlorooctadecane (S...	13.020	2370741	16.928 ug/ml
Spiked Amount 50.000		Recovery =	33.86%
Target Compounds			
1) T n-Nonane (C9)	3.337	2744956	18.156 ug/ml
2) T n-Decane (C10)	4.404	2786708	18.365 ug/ml
3) T A~Naphthalene (C11.7)	5.991	3136461	18.119 ug/ml
4) T n-Dodecane (C12)	6.423	2807979	18.131 ug/ml
5) T A~2-methylnaphthalene...	7.047	3158019	17.935 ug/ml
6) T n-Tetradecane (C14)	8.220	2804964	17.933 ug/ml
7) T n-Hexadecane (C16)	9.823	2787865	17.799 ug/ml
8) T n-Octadecane (C18)	11.266	2778810	17.613 ug/ml
10) T n-Eicosane (C20)	12.575	2687764	17.289 ug/ml
11) T n-Heneicosane (C21)	13.188	2653729	16.966 ug/ml
13) T n-Docosane (C22)	13.774	2630214	16.949 ug/ml
14) T n-Tetracosane (C24)	14.877	2618094	16.924 ug/ml
15) T n-Hexacosane (C26)	15.898	2529270	16.805 ug/ml
16) T n-Octacosane (C28)	16.847	2513498	17.017 ug/ml
17) T n-Tricontane (C30)	17.735	2512558	18.191 ug/ml
18) T n-Dotriacontane (C32)	18.567	2115301	19.271 ug/ml
19) T n-Tetratriacontane (C34)	19.350	1570200	20.343 ug/mlm
20) T n-Hexatriacontane (C36)	20.089	1194715	21.161 ug/mlm
21) T n-Octatriacontane (C38)	20.827	1083416	23.354 ug/mlm
22) T n-Tetracontane (C40)	21.742	918627	21.901 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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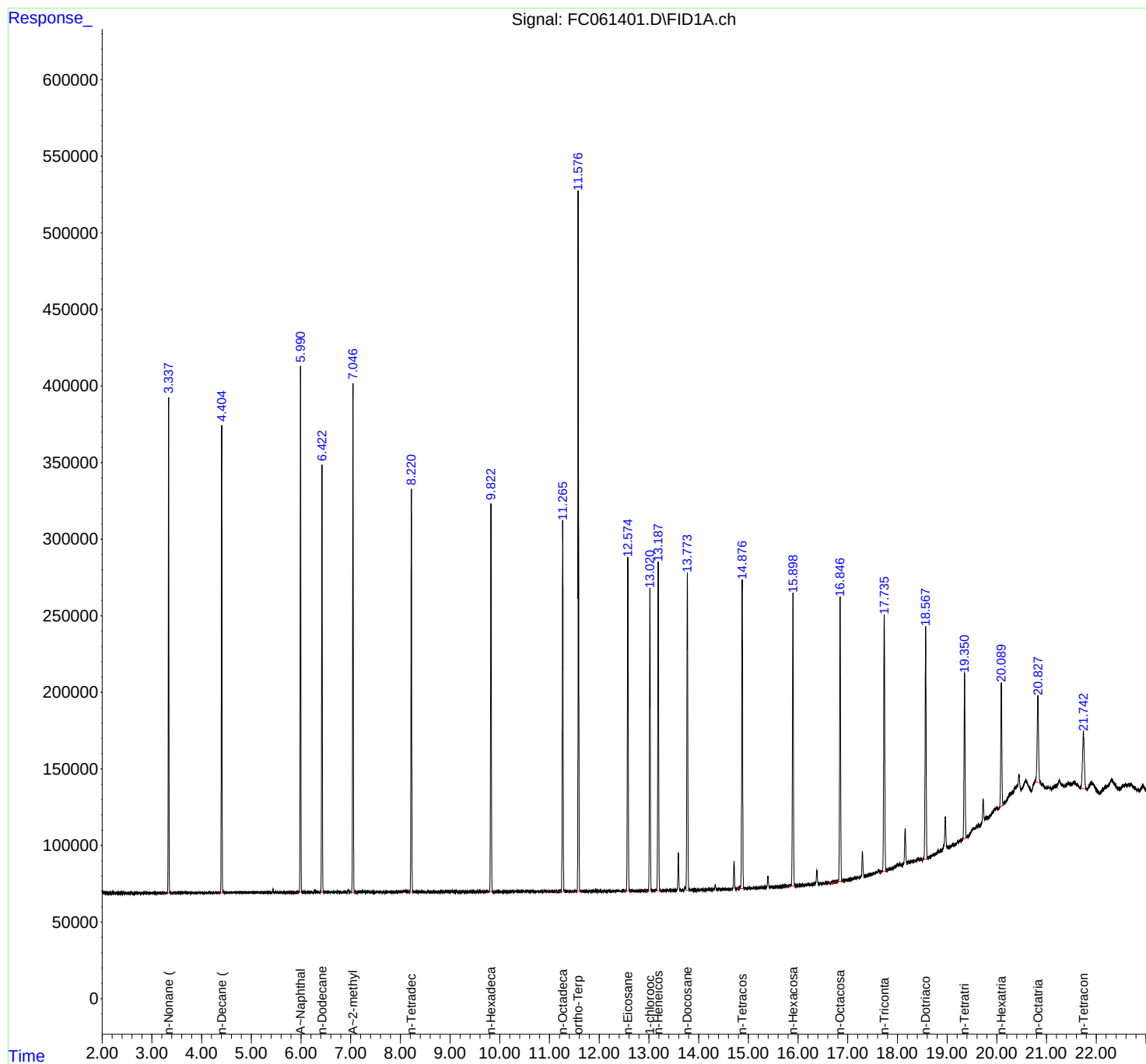
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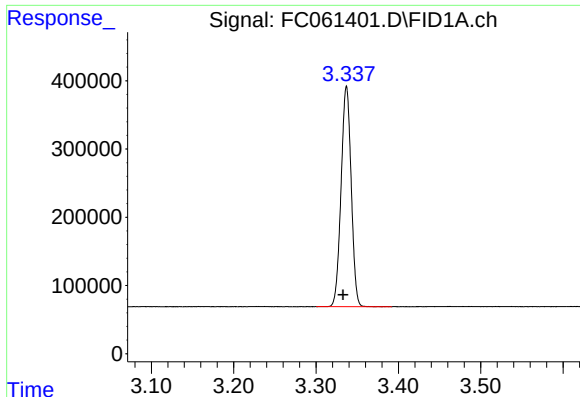
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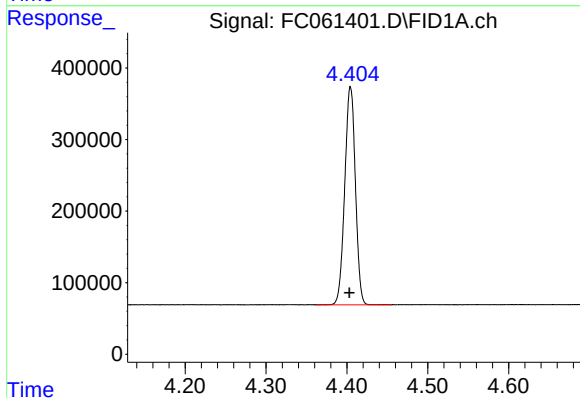
#1 n-Nonane (C9)

R.T.: 3.337 min
Delta R.T.: 0.004 min
Response: 2744956
Conc: 18.16 ug/ml

Instrument :
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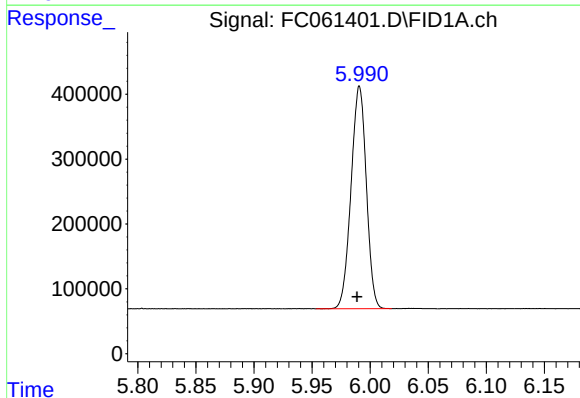
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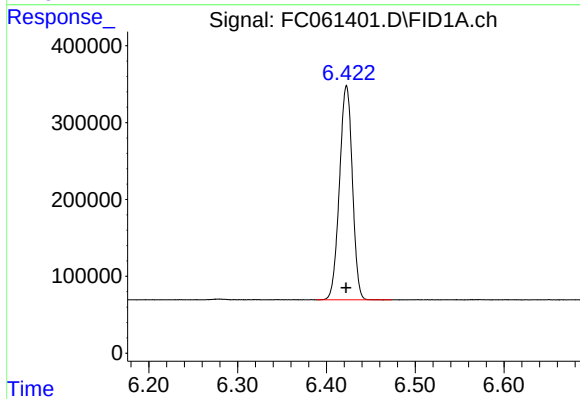
#2 n-Decane (C10)

R.T.: 4.404 min
Delta R.T.: 0.002 min
Response: 2786708
Conc: 18.37 ug/ml



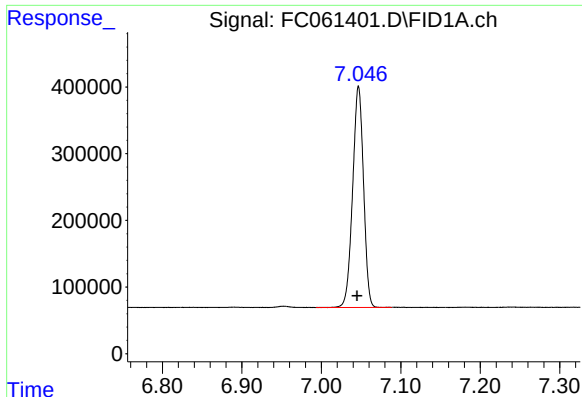
#3 A~Naphthalene (C11.7)

R.T.: 5.991 min
Delta R.T.: 0.002 min
Response: 3136461
Conc: 18.12 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.423 min
Delta R.T.: 0.000 min
Response: 2807979
Conc: 18.13 ug/ml



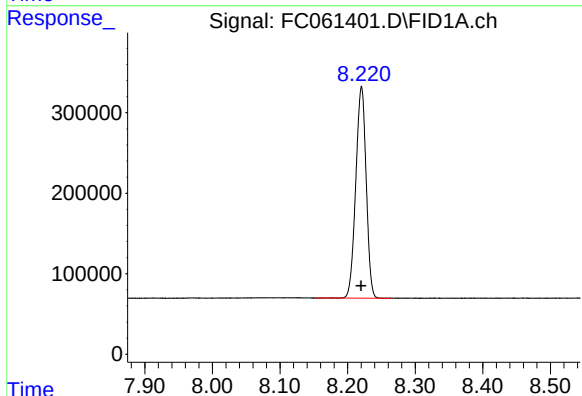
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.047 min
Delta R.T.: 0.002 min
Response: 3158019
Conc: 17.93 ug/ml

Instrument :
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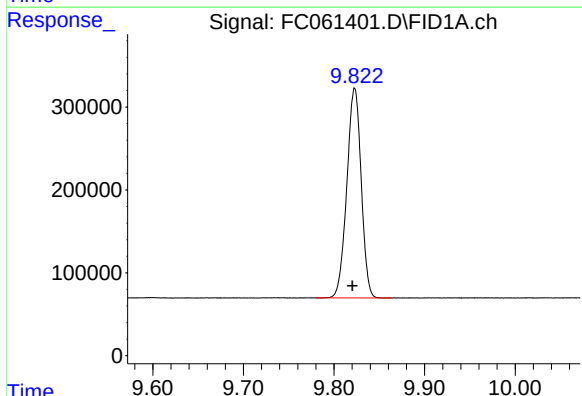
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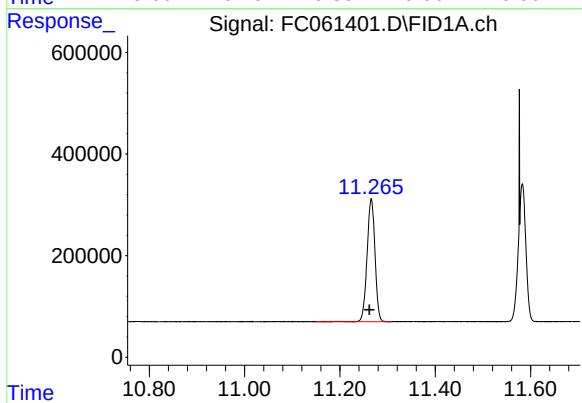
#6 n-Tetradecane (C14)

R.T.: 8.220 min
Delta R.T.: 0.000 min
Response: 2804964
Conc: 17.93 ug/ml



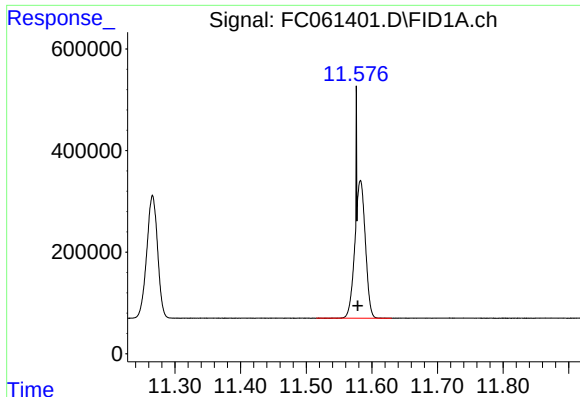
#7 n-Hexadecane (C16)

R.T.: 9.823 min
Delta R.T.: 0.003 min
Response: 2787865
Conc: 17.80 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.266 min
Delta R.T.: 0.004 min
Response: 2778810
Conc: 17.61 ug/ml



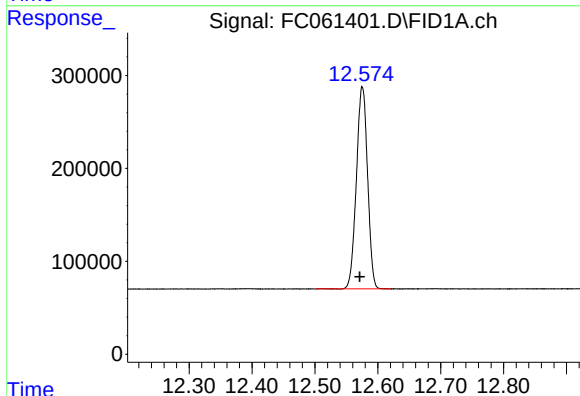
#9 ortho-Terphenyl (SURR)

R.T.: 11.581 min
Delta R.T.: 0.003 min
Response: 3147049
Conc: 17.78 ug/ml

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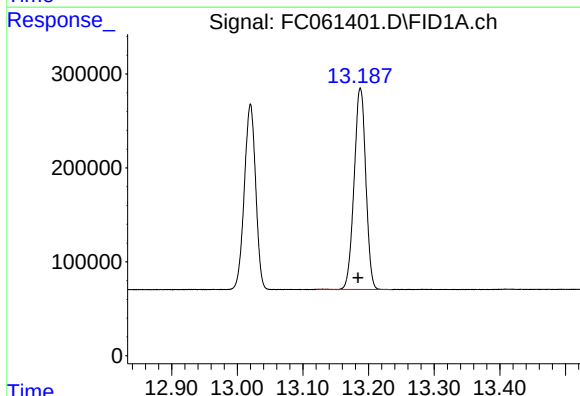
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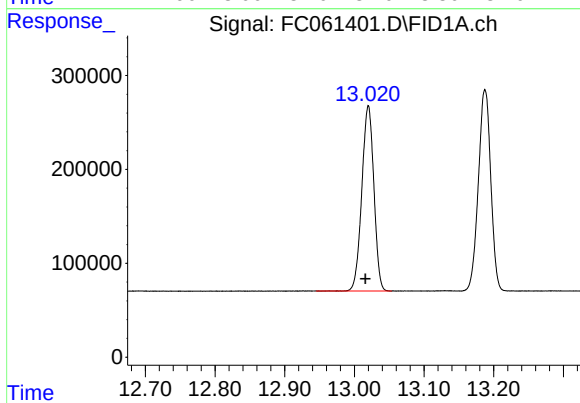
#10 n-Eicosane (C20)

R.T.: 12.575 min
Delta R.T.: 0.004 min
Response: 2687764
Conc: 17.29 ug/ml



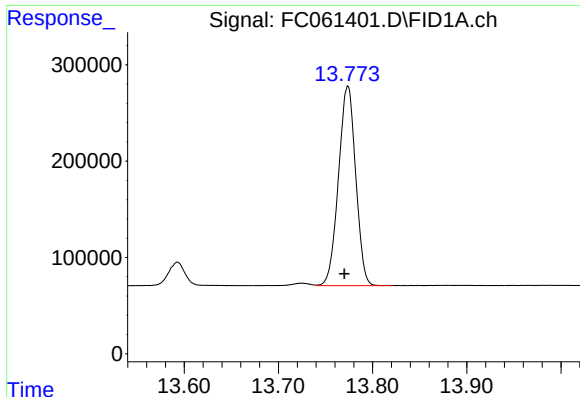
#11 n-Heneicosane (C21)

R.T.: 13.188 min
Delta R.T.: 0.003 min
Response: 2653729
Conc: 16.97 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.020 min
Delta R.T.: 0.004 min
Response: 2370741
Conc: 16.93 ug/ml



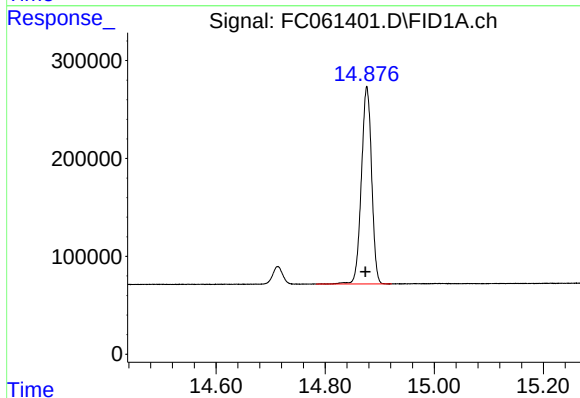
#13 n-Docosane (C22)

R.T.: 13.774 min
Delta R.T.: 0.004 min
Response: 2630214
Conc: 16.95 ug/ml

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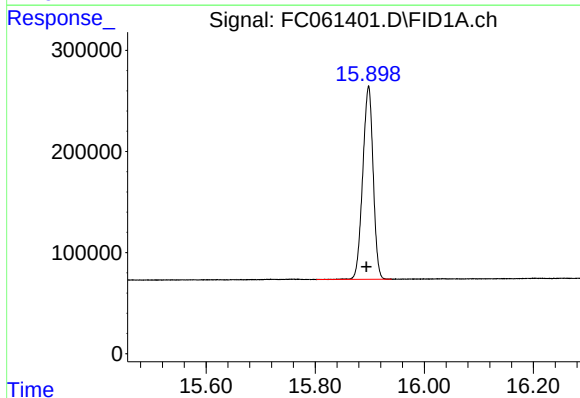
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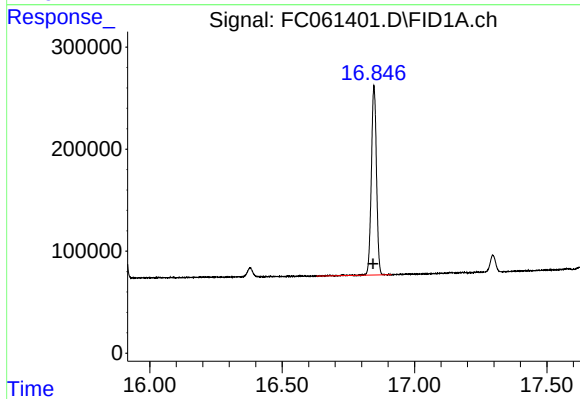
#14 n-Tetracosane (C24)

R.T.: 14.877 min
Delta R.T.: 0.003 min
Response: 2618094
Conc: 16.92 ug/ml



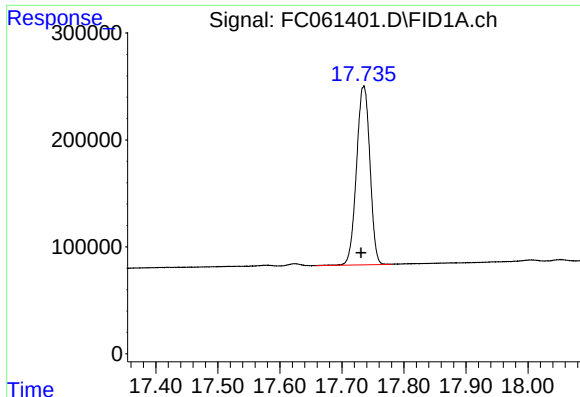
#15 n-Hexacosane (C26)

R.T.: 15.898 min
Delta R.T.: 0.004 min
Response: 2529270
Conc: 16.81 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.847 min
Delta R.T.: 0.003 min
Response: 2513498
Conc: 17.02 ug/ml



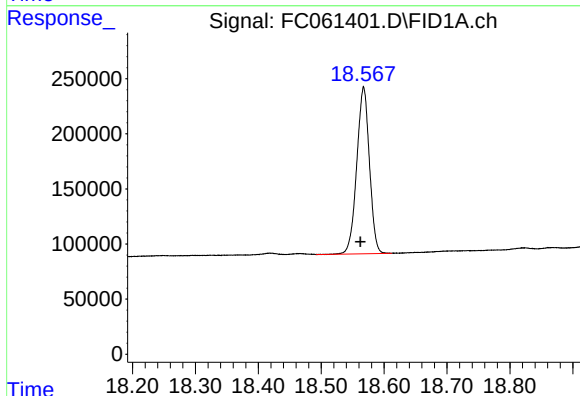
#17 n-Tricontane (C30)

R.T.: 17.735 min
Delta R.T.: 0.005 min
Response: 2512558
Conc: 18.19 ug/ml

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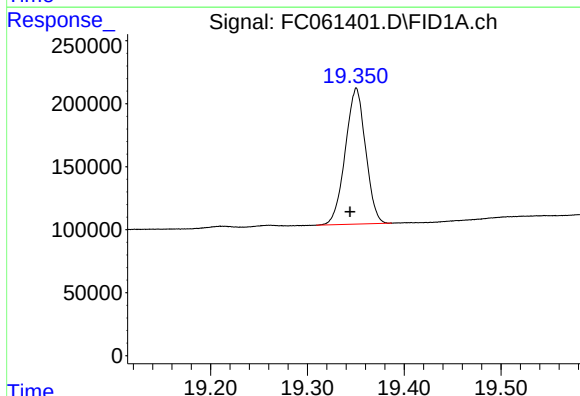
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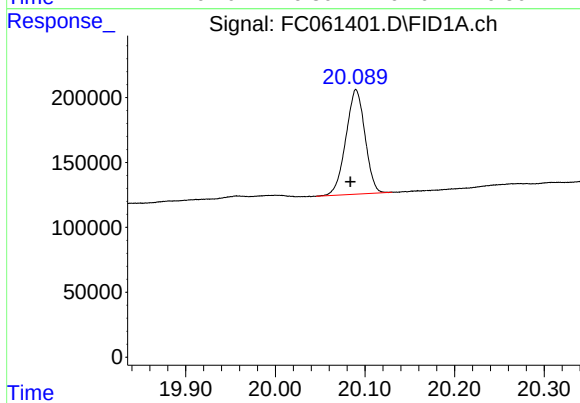
#18 n-Dotriacontane (C32)

R.T.: 18.567 min
Delta R.T.: 0.005 min
Response: 2115301
Conc: 19.27 ug/ml



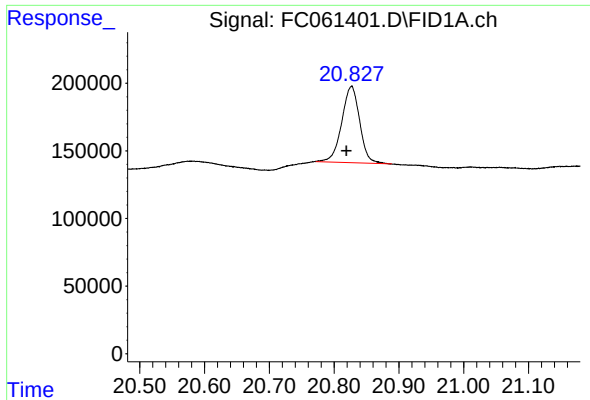
#19 n-Tetratriacontane (C34)

R.T.: 19.350 min
Delta R.T.: 0.006 min
Response: 1570200
Conc: 20.34 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.089 min
Delta R.T.: 0.006 min
Response: 1194715
Conc: 21.16 ug/ml m



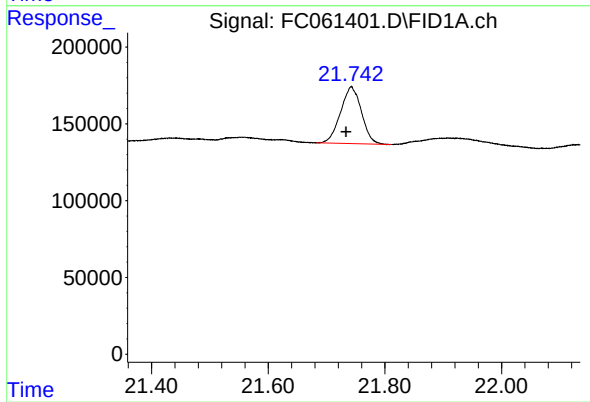
#21 n-Octatriacontane (C38)

R.T.: 20.827 min
Delta R.T.: 0.009 min
Response: 1083416
Conc: 23.35 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.742 min
Delta R.T.: 0.009 min
Response: 918627
Conc: 21.90 ug/ml m