

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC090822AL\
 Data File : FC061462.D
 Signal(s) : FID1A.ch
 Acq On : 08 Sep 2022 13:21
 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 09/09/2022

Integration File: autoint1.e
 Quant Time: Sep 08 14:22:56 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)	11.577	3025182	17.089 ug/ml
Spiked Amount 50.000		Recovery =	34.18%
12) S 1-chlorooctadecane (S...	13.014	2383410	17.018 ug/ml
Spiked Amount 50.000		Recovery =	34.04%
Target Compounds			
1) T n-Nonane (C9)	3.332	2770956	18.328 ug/ml
2) T n-Decane (C10)	4.401	2871871	18.927 ug/ml
3) T A~Naphthalene (C11.7)	5.986	3213832	18.566 ug/ml
4) T n-Dodecane (C12)	6.419	2893491	18.683 ug/ml
5) T A~2-methylnaphthalene...	7.042	3232949	18.360 ug/ml
6) T n-Tetradecane (C14)	8.217	2878832	18.405 ug/ml
7) T n-Hexadecane (C16)	9.818	2845312	18.166 ug/ml
8) T n-Octadecane (C18)	11.261	2817701	17.860 ug/ml
10) T n-Eicosane (C20)	12.570	2717378	17.480 ug/ml
11) T n-Heneicosane (C21)	13.182	2674476	17.098 ug/ml
13) T n-Docosane (C22)	13.768	2651397	17.086 ug/ml
14) T n-Tetracosane (C24)	14.871	2651846	17.142 ug/ml
15) T n-Hexacosane (C26)	15.891	2574453	17.106 ug/ml
16) T n-Octacosane (C28)	16.840	2589229	17.530 ug/ml
17) T n-Tricontane (C30)	17.728	2704116	19.578 ug/ml
18) T n-Dotriacontane (C32)	18.560	2379800	21.681 ug/ml
19) T n-Tetratriacontane (C34)	19.343	1777191	23.024 ug/ml
20) T n-Hexatriacontane (C36)	20.079	1369235	24.252 ug/mlm
21) T n-Octatriacontane (C38)	20.813	1127303	24.300 ug/ml
22) T n-Tetracontane (C40)	21.725	996788	23.765 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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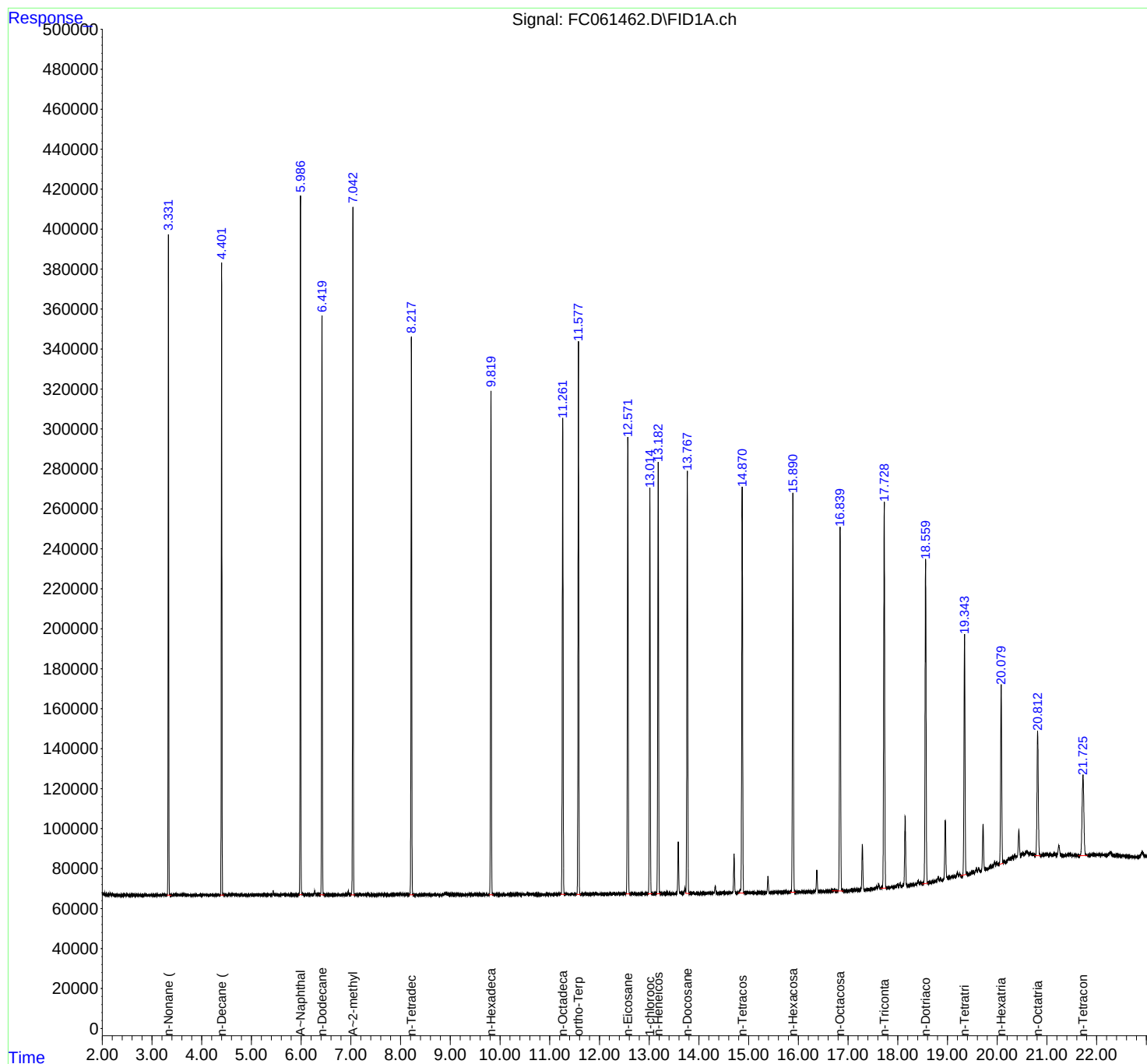
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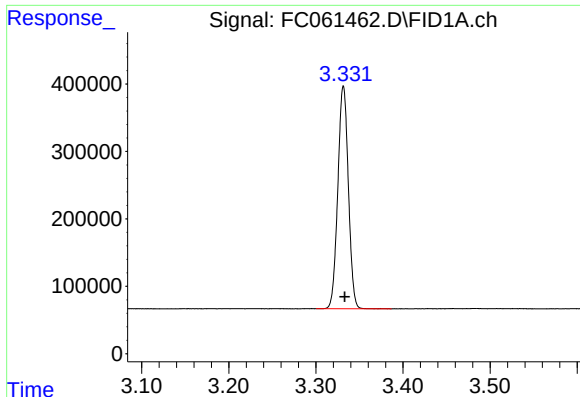
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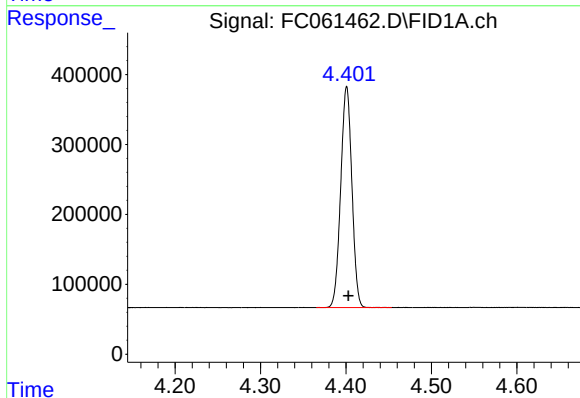
#1 n-Nonane (C9)

R.T.: 3.332 min
Delta R.T.: -0.001 min
Response: 2770956
Conc: 18.33 ug/ml

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20 PPM ALIPHATIC HC STD

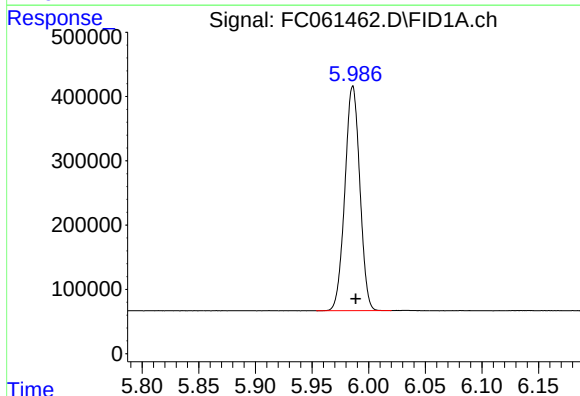
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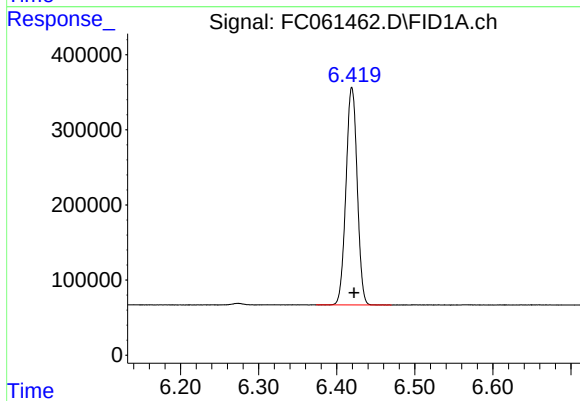
#2 n-Decane (C10)

R.T.: 4.401 min
Delta R.T.: -0.002 min
Response: 2871871
Conc: 18.93 ug/ml



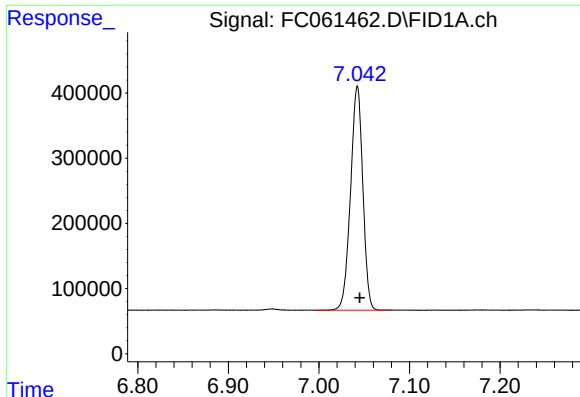
#3 A~Naphthalene (C11.7)

R.T.: 5.986 min
Delta R.T.: -0.003 min
Response: 3213832
Conc: 18.57 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.419 min
Delta R.T.: -0.003 min
Response: 2893491
Conc: 18.68 ug/ml



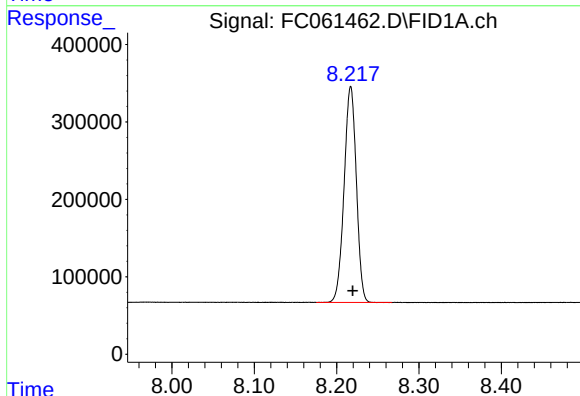
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.042 min
Delta R.T.: -0.003 min
Response: 3232949
Conc: 18.36 ug/ml

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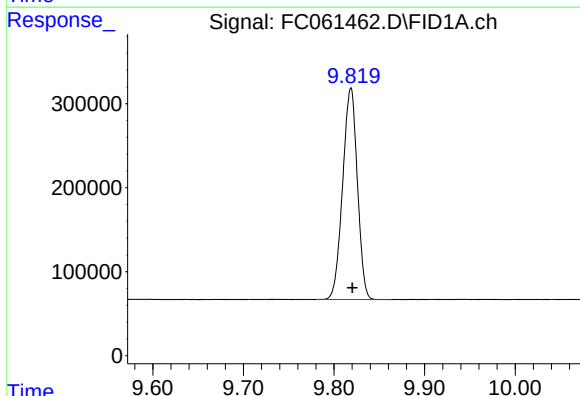
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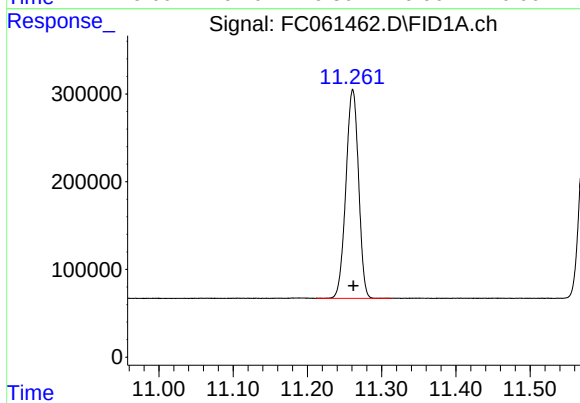
#6 n-Tetradecane (C14)

R.T.: 8.217 min
Delta R.T.: -0.003 min
Response: 2878832
Conc: 18.40 ug/ml



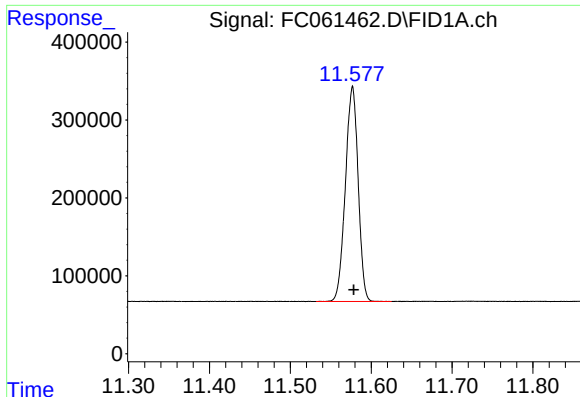
#7 n-Hexadecane (C16)

R.T.: 9.818 min
Delta R.T.: -0.002 min
Response: 2845312
Conc: 18.17 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.261 min
Delta R.T.: 0.000 min
Response: 2817701
Conc: 17.86 ug/ml



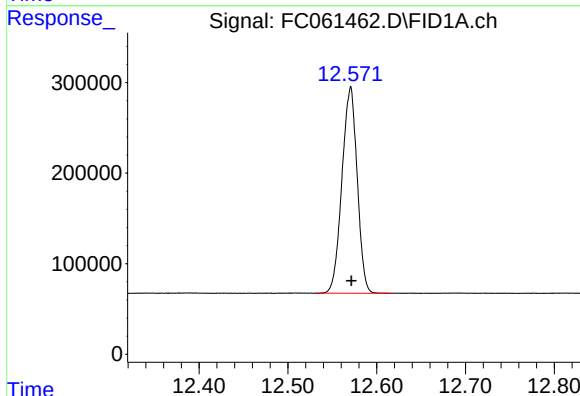
#9 ortho-Terphenyl (SURR)

R.T.: 11.577 min
Delta R.T.: -0.002 min
Response: 3025182
Conc: 17.09 ug/ml

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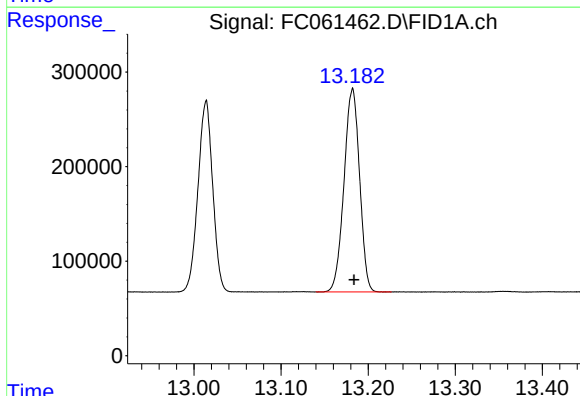
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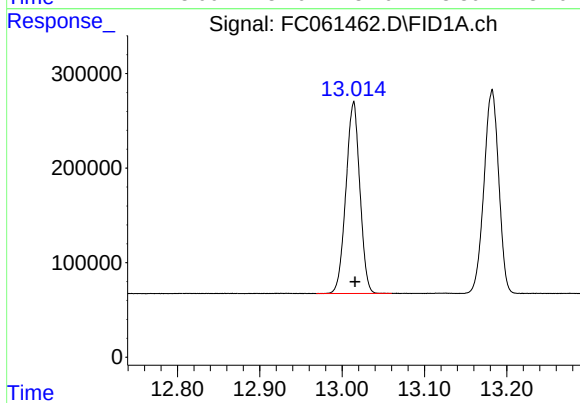
#10 n-Eicosane (C20)

R.T.: 12.570 min
Delta R.T.: -0.001 min
Response: 2717378
Conc: 17.48 ug/ml



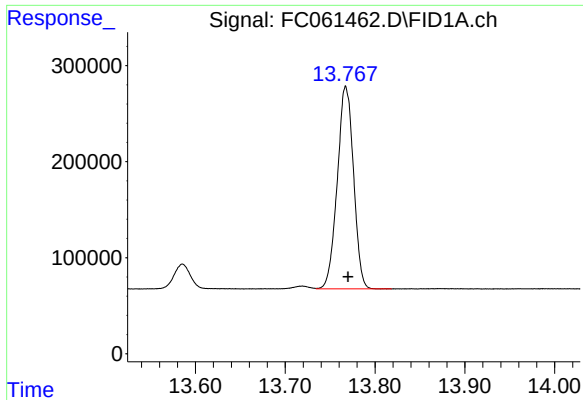
#11 n-Heneicosane (C21)

R.T.: 13.182 min
Delta R.T.: -0.002 min
Response: 2674476
Conc: 17.10 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.014 min
Delta R.T.: -0.002 min
Response: 2383410
Conc: 17.02 ug/ml



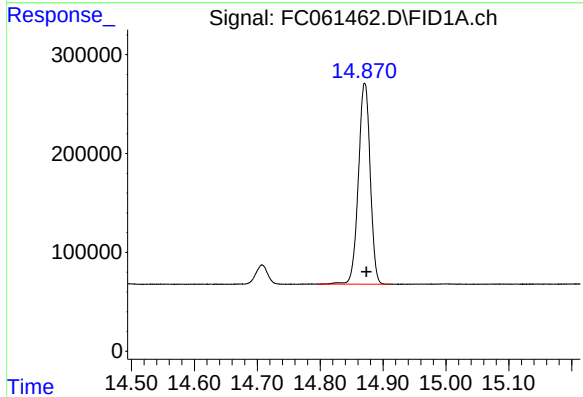
#13 n-Docosane (C22)

R.T.: 13.768 min
Delta R.T.: -0.002 min
Response: 2651397
Conc: 17.09 ug/ml

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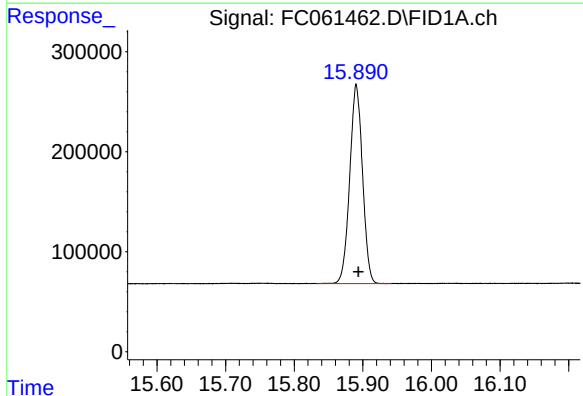
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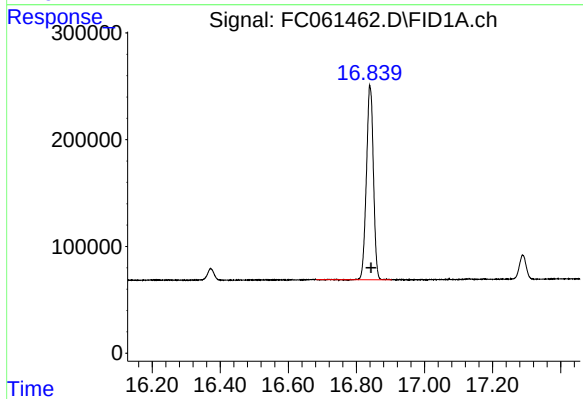
#14 n-Tetracosane (C24)

R.T.: 14.871 min
Delta R.T.: -0.003 min
Response: 2651846
Conc: 17.14 ug/ml



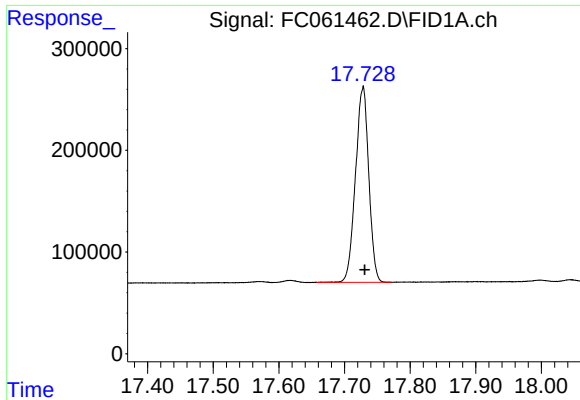
#15 n-Hexacosane (C26)

R.T.: 15.891 min
Delta R.T.: -0.003 min
Response: 2574453
Conc: 17.11 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.840 min
Delta R.T.: -0.003 min
Response: 2589229
Conc: 17.53 ug/ml



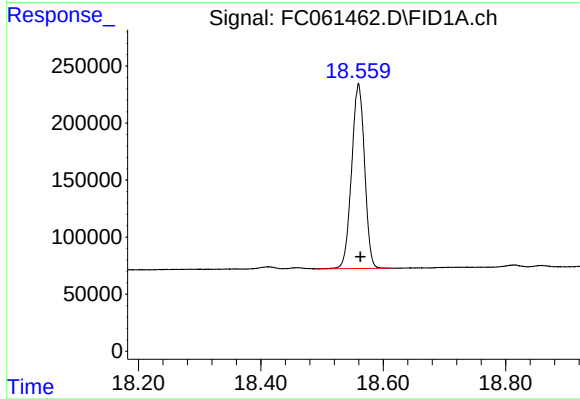
#17 n-Tricontane (C30)

R.T.: 17.728 min
Delta R.T.: -0.003 min
Response: 2704116
Conc: 19.58 ug/ml

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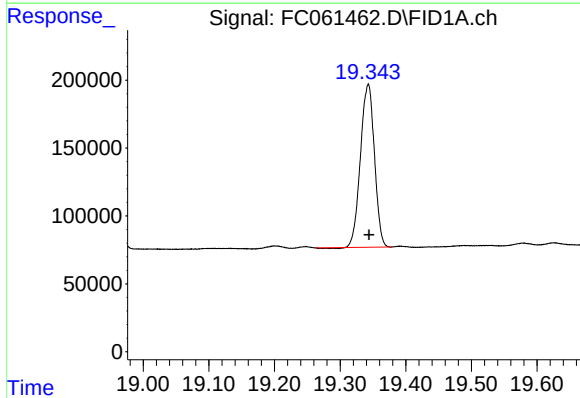
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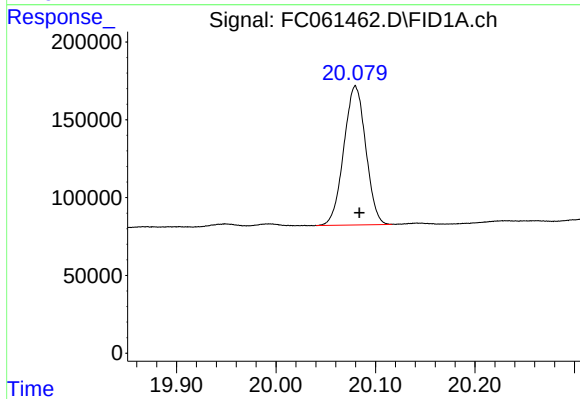
#18 n-Dotriacontane (C32)

R.T.: 18.560 min
Delta R.T.: -0.003 min
Response: 2379800
Conc: 21.68 ug/ml



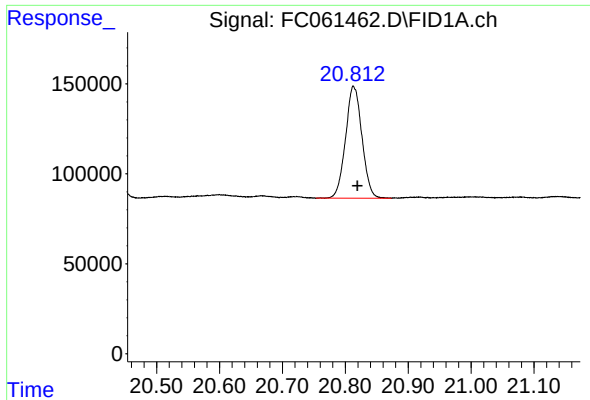
#19 n-Tetratriacontane (C34)

R.T.: 19.343 min
Delta R.T.: -0.002 min
Response: 1777191
Conc: 23.02 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.079 min
Delta R.T.: -0.004 min
Response: 1369235
Conc: 24.25 ug/ml m



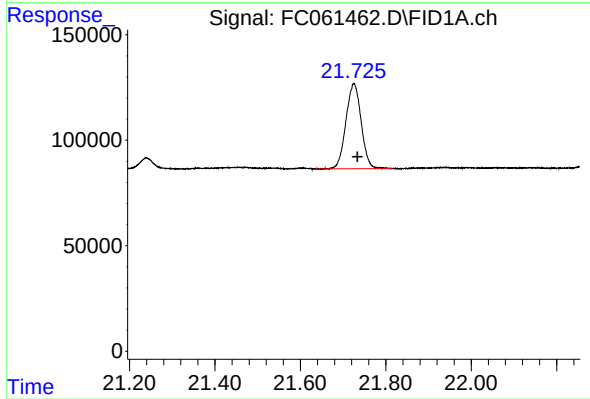
#21 n-Octatriacontane (C38)

R.T.: 20.813 min
Delta R.T.: -0.006 min
Response: 1127303
Conc: 24.30 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.725 min
Delta R.T.: -0.008 min
Response: 996788
Conc: 23.76 ug/ml