

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091422AL\
 Data File : FC061504.D
 Signal(s) : FID1A.ch
 Acq On : 14 Sep 2022 10:15
 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 09/14/2022
 Supervised By :Ankita Jodhani 09/15/2022

Integration File: autoint1.e
 Quant Time: Sep 14 12:58:41 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)	11.574	3277210	18.512 ug/ml
Spiked Amount 50.000		Recovery =	37.02%
12) S 1-chlorooctadecane (S...	13.013	2579730	18.420 ug/ml
Spiked Amount 50.000		Recovery =	36.84%
Target Compounds			
1) T n-Nonane (C9)	3.332	3118818	20.629 ug/ml
2) T n-Decane (C10)	4.399	3128280	20.616 ug/ml
3) T A~Naphthalene (C11.7)	5.983	3509052	20.272 ug/ml
4) T n-Dodecane (C12)	6.416	3151388	20.348 ug/ml
5) T A~2-methylnaphthalene...	7.040	3521681	20.000 ug/ml
6) T n-Tetradecane (C14)	8.214	3128192	19.999 ug/ml
7) T n-Hexadecane (C16)	9.816	3090225	19.729 ug/ml
8) T n-Octadecane (C18)	11.259	3047910	19.319 ug/ml
10) T n-Eicosane (C20)	12.569	2922549	18.799 ug/ml
11) T n-Heneicosane (C21)	13.181	2892386	18.491 ug/ml
13) T n-Docosane (C22)	13.767	2828518	18.227 ug/ml
14) T n-Tetracosane (C24)	14.870	2738709	17.703 ug/ml
15) T n-Hexacosane (C26)	15.892	2634400	17.504 ug/ml
16) T n-Octacosane (C28)	16.840	2579377	17.463 ug/ml
17) T n-Tricontane (C30)	17.728	2464617	17.844 ug/ml
18) T n-Dotriacontane (C32)	18.559	2094532	19.082 ug/ml
19) T n-Tetratriacontane (C34)	19.342	1571096	20.354 ug/ml
20) T n-Hexatriacontane (C36)	20.082	1140368	20.198 ug/ml
21) T n-Octatriacontane (C38)	20.815	1047700	22.584 ug/mlm
22) T n-Tetracontane (C40)	21.727	1050885	25.055 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

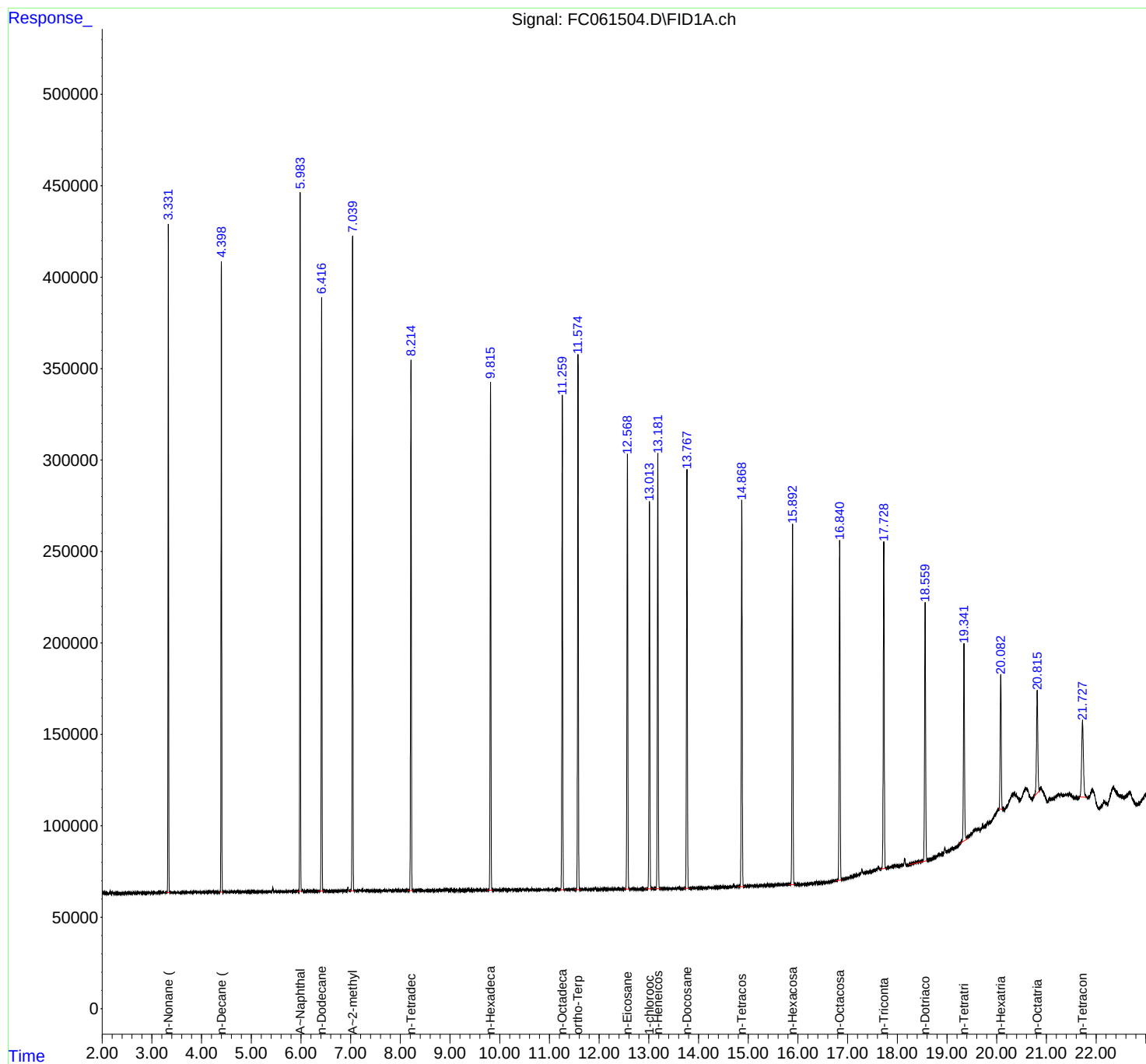
Instrument :
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20 PPM ALIPHATIC HC STD

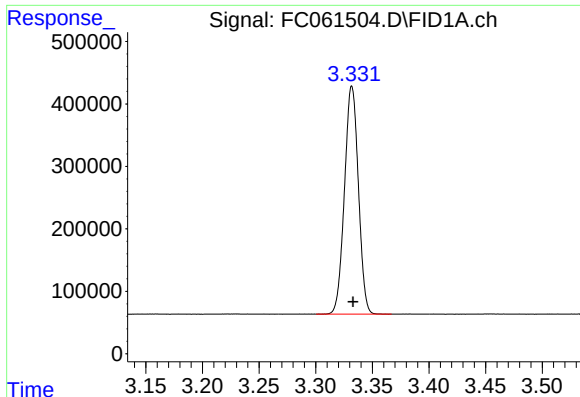
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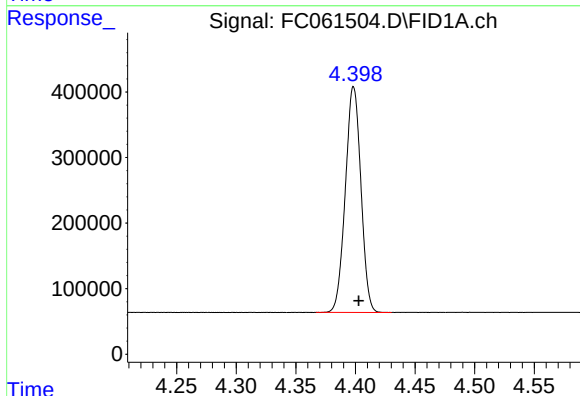
#1 n-Nonane (C9)

R.T.: 3.332 min
Delta R.T.: -0.001 min
Response: 3118818
Conc: 20.63 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

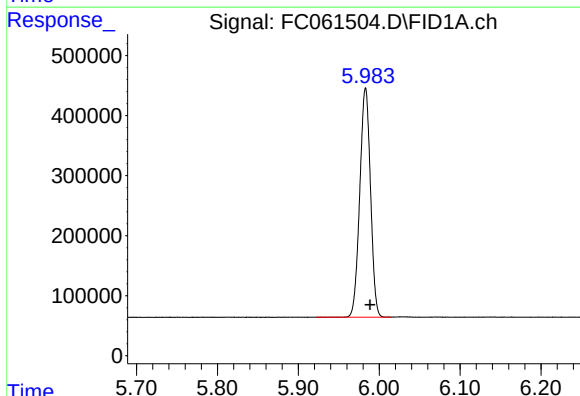
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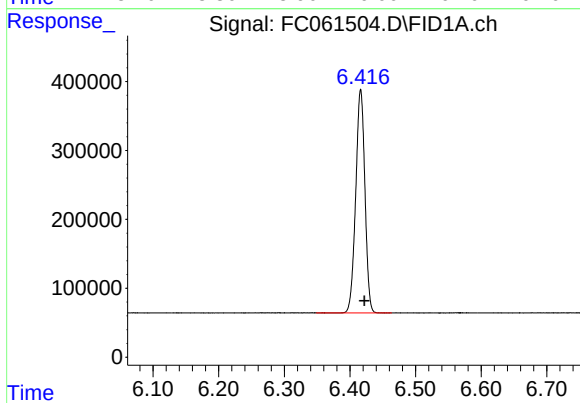
#2 n-Decane (C10)

R.T.: 4.399 min
Delta R.T.: -0.004 min
Response: 3128280
Conc: 20.62 ug/ml



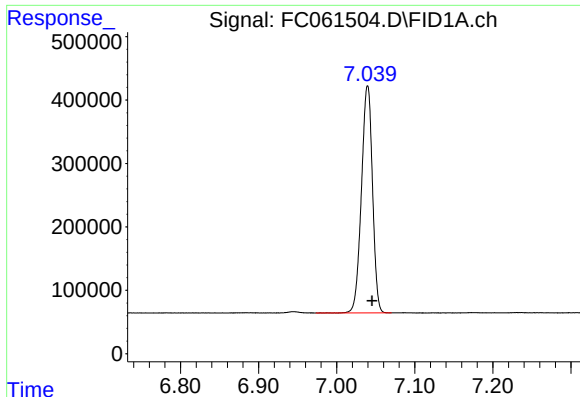
#3 A~Naphthalene (C11.7)

R.T.: 5.983 min
Delta R.T.: -0.006 min
Response: 3509052
Conc: 20.27 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.416 min
Delta R.T.: -0.006 min
Response: 3151388
Conc: 20.35 ug/ml



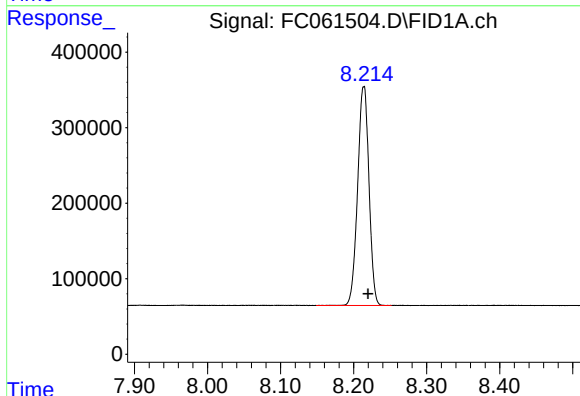
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.040 min
Delta R.T.: -0.006 min
Response: 3521681
Conc: 20.00 ug/ml

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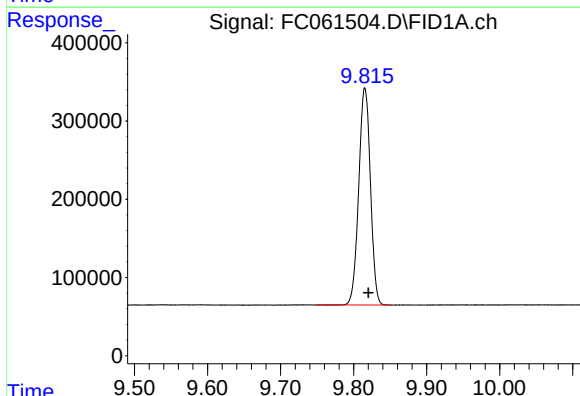
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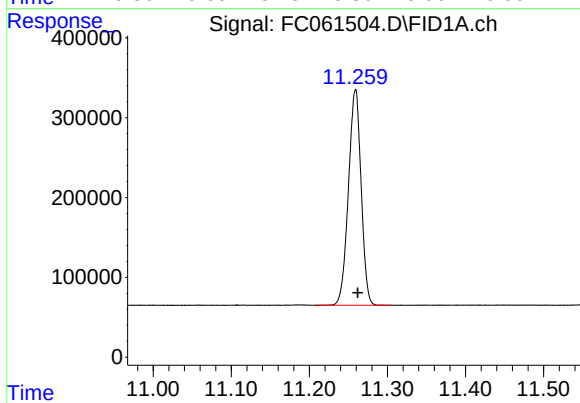
#6 n-Tetradecane (C14)

R.T.: 8.214 min
Delta R.T.: -0.006 min
Response: 3128192
Conc: 20.00 ug/ml



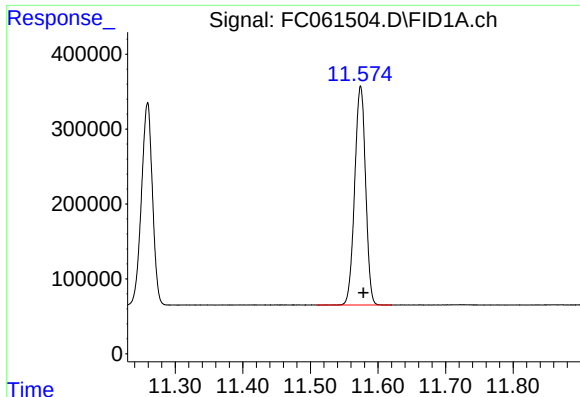
#7 n-Hexadecane (C16)

R.T.: 9.816 min
Delta R.T.: -0.005 min
Response: 3090225
Conc: 19.73 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.259 min
Delta R.T.: -0.003 min
Response: 3047910
Conc: 19.32 ug/ml



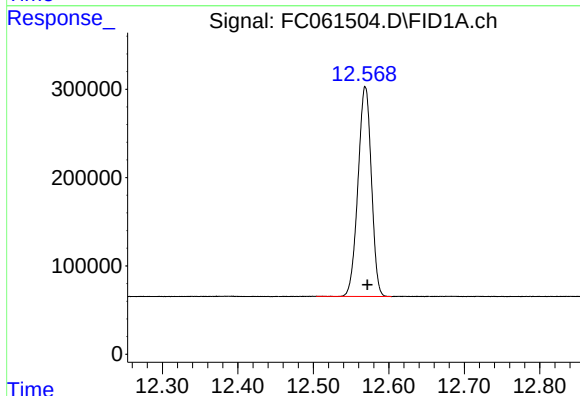
#9 ortho-Terphenyl (SURR)

R.T.: 11.574 min
Delta R.T.: -0.004 min
Response: 3277210
Conc: 18.51 ug/ml

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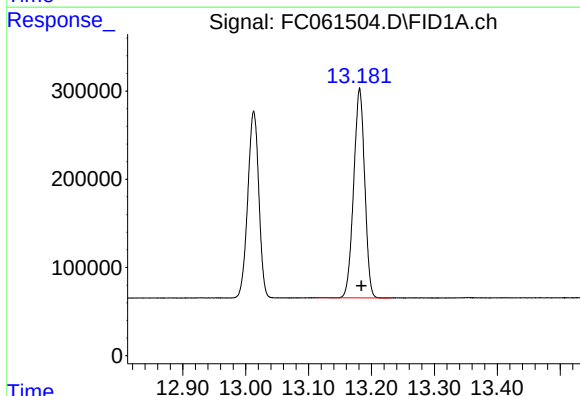
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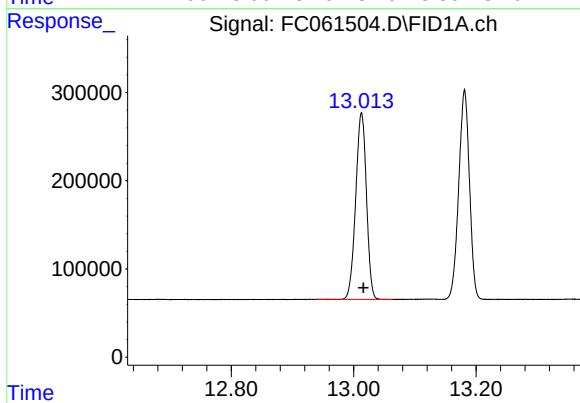
#10 n-Eicosane (C20)

R.T.: 12.569 min
Delta R.T.: -0.003 min
Response: 2922549
Conc: 18.80 ug/ml



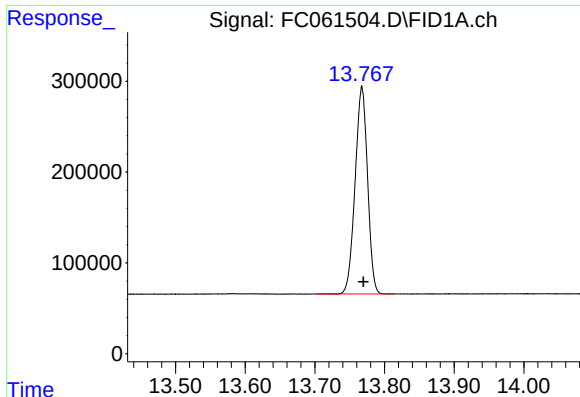
#11 n-Heneicosane (C21)

R.T.: 13.181 min
Delta R.T.: -0.003 min
Response: 2892386
Conc: 18.49 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.013 min
Delta R.T.: -0.003 min
Response: 2579730
Conc: 18.42 ug/ml



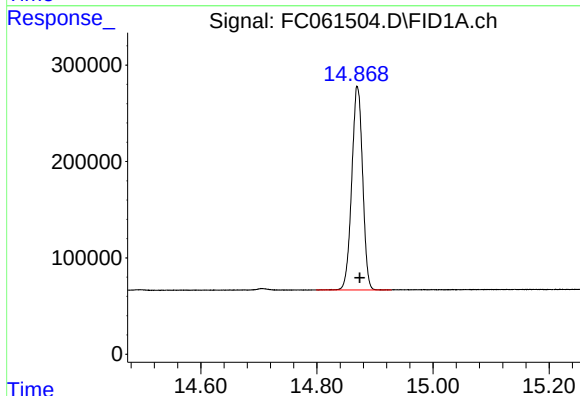
#13 n-Docosane (C22)

R.T.: 13.767 min
Delta R.T.: -0.002 min
Response: 2828518
Conc: 18.23 ug/ml

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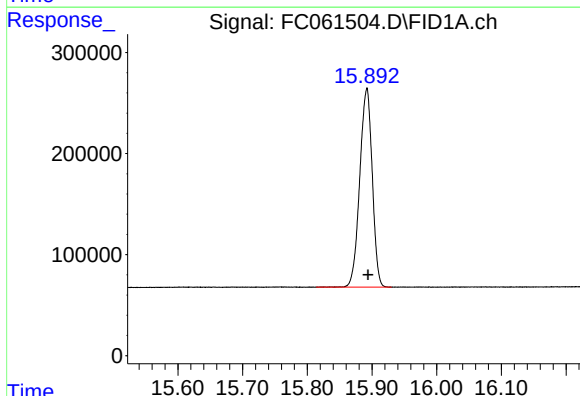
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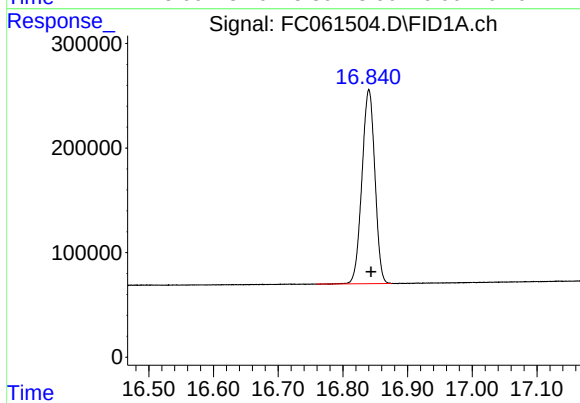
#14 n-Tetracosane (C24)

R.T.: 14.870 min
Delta R.T.: -0.004 min
Response: 2738709
Conc: 17.70 ug/ml



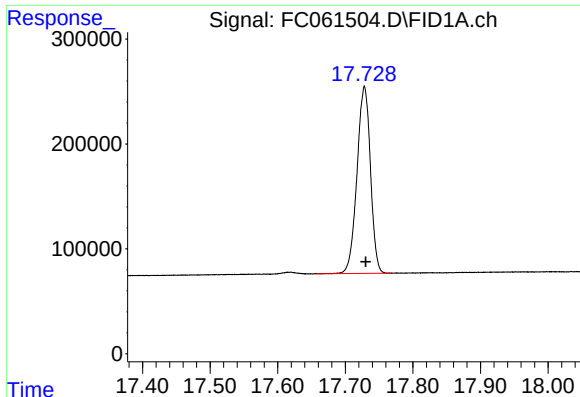
#15 n-Hexacosane (C26)

R.T.: 15.892 min
Delta R.T.: -0.002 min
Response: 2634400
Conc: 17.50 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.840 min
Delta R.T.: -0.003 min
Response: 2579377
Conc: 17.46 ug/ml



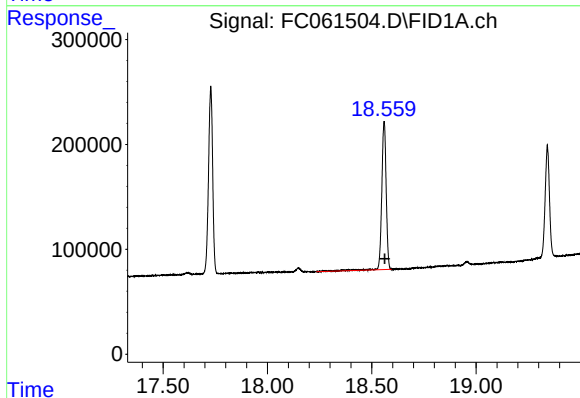
#17 n-Tricontane (C30)

R.T.: 17.728 min
Delta R.T.: -0.002 min
Response: 2464617
Conc: 17.84 ug/ml

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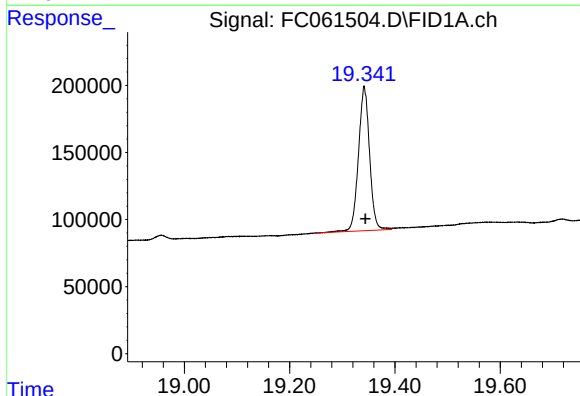
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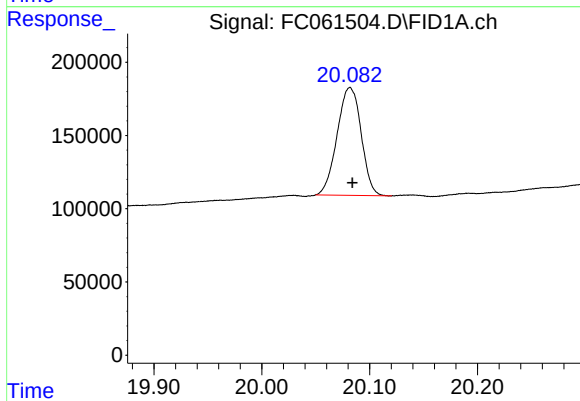
#18 n-Dotriacontane (C32)

R.T.: 18.559 min
Delta R.T.: -0.003 min
Response: 2094532
Conc: 19.08 ug/ml



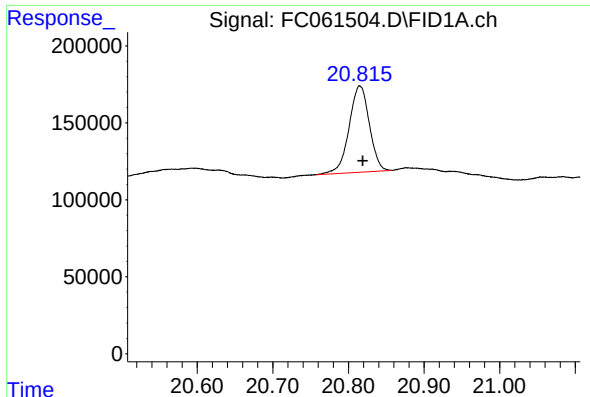
#19 n-Tetratriacontane (C34)

R.T.: 19.342 min
Delta R.T.: -0.002 min
Response: 1571096
Conc: 20.35 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.082 min
Delta R.T.: -0.002 min
Response: 1140368
Conc: 20.20 ug/ml



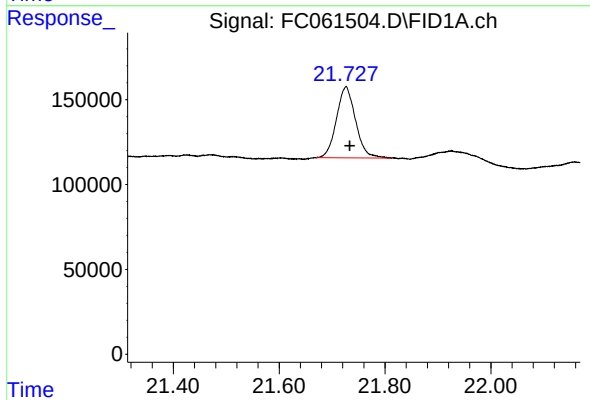
#21 n-Octatriacontane (C38)

R.T.: 20.815 min
Delta R.T.: -0.004 min
Response: 1047700
Conc: 22.58 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.727 min
Delta R.T.: -0.007 min
Response: 1050885
Conc: 25.05 ug/ml m