

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060523AL\
 Data File : FC063747.D
 Signal(s) : FID1A.ch
 Acq On : 06 Jun 2023 00:09
 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 06/06/2023
 Supervised By :Ankita Jodhani 06/06/2023

Integration File: autoint1.e
 Quant Time: Jun 06 02:36:17 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052723.M
 Quant Title : GC Extractables
 QLast Update : Sat May 27 06:12:33 2023
 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)	11.536	3353723	18.378 ug/ml
Spiked Amount 50.000		Recovery =	36.76%
12) S 1-chlorooctadecane (S...	12.971	2401693	18.797 ug/ml
Spiked Amount 50.000		Recovery =	37.59%
Target Compounds			
1) T n-Nonane (C9)	3.313	3103689	19.473 ug/ml
2) T n-Decane (C10)	4.377	3129334	19.359 ug/ml
3) T A~Naphthalene (C11.7)	5.960	3288878	18.931 ug/ml
4) T n-Dodecane (C12)	6.393	3102501	18.974 ug/ml
5) T A~2-methylnaphthalene...	7.016	3133640	19.128 ug/ml
6) T n-Tetradecane (C14)	8.185	2971545	18.894 ug/ml
7) T n-Hexadecane (C16)	9.783	2966586	18.641 ug/ml
8) T n-Octadecane (C18)	11.222	2949898	18.643 ug/ml
10) T n-Eicosane (C20)	12.528	2771134	18.738 ug/ml
11) T n-Heneicosane (C21)	13.138	2707974	18.813 ug/ml
13) T n-Docosane (C22)	13.722	2672490	18.971 ug/ml
14) T n-Tetracosane (C24)	14.823	2648814	19.303 ug/ml
15) T n-Hexacosane (C26)	15.842	2583027	19.481 ug/ml
16) T n-Octacosane (C28)	16.789	2564398	20.196 ug/mlm
17) T n-Tricontane (C30)	17.674	2681935	20.991 ug/ml
18) T n-Dotriacontane (C32)	18.503	2639593	21.213 ug/ml
19) T n-Tetratriacontane (C34)	19.283	2641472	21.423 ug/mlm
20) T n-Hexatriacontane (C36)	20.021	2568295	21.398 ug/ml
21) T n-Octatriacontane (C38)	20.749	2497947	20.690 ug/mlm
22) T n-Tetracontane (C40)	21.640	2484438	20.504 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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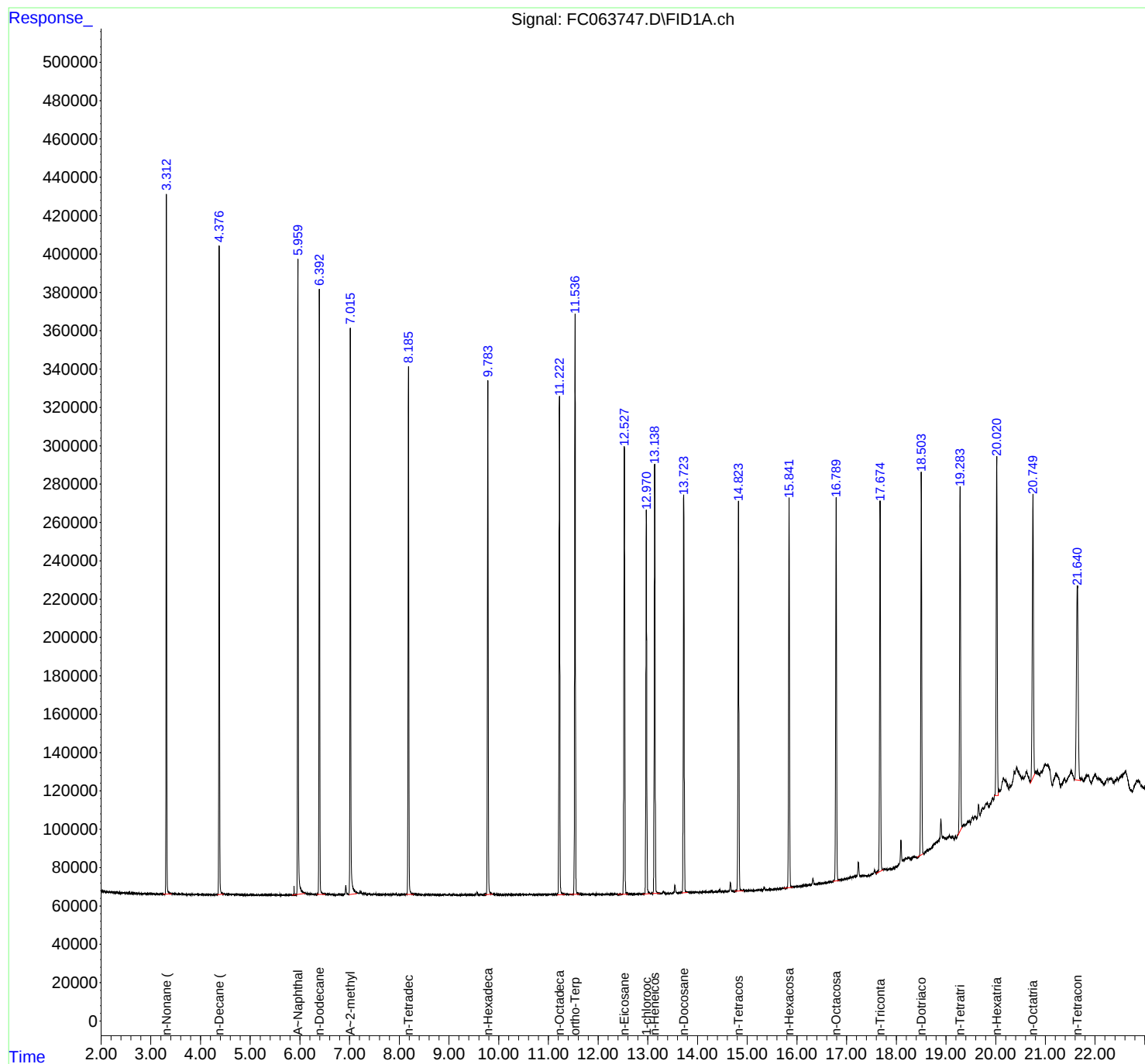
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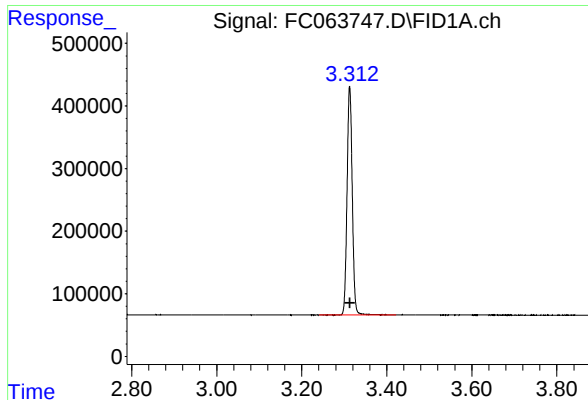
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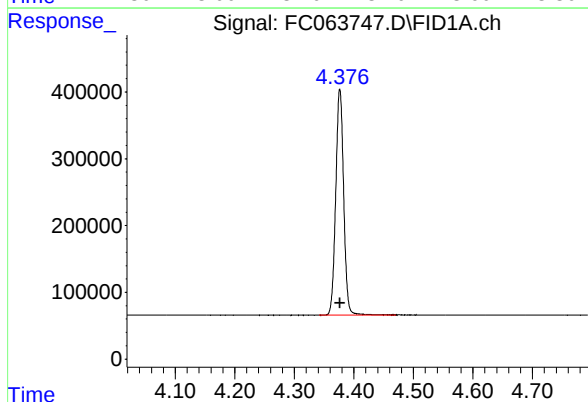
#1 n-Nonane (C9)

R.T.: 3.313 min
Delta R.T.: -0.001 min
Response: 3103689
Conc: 19.47 ug/ml

Instrument : FID_C
ClientSampleId : 20 PPM ALIPHATIC HC STD

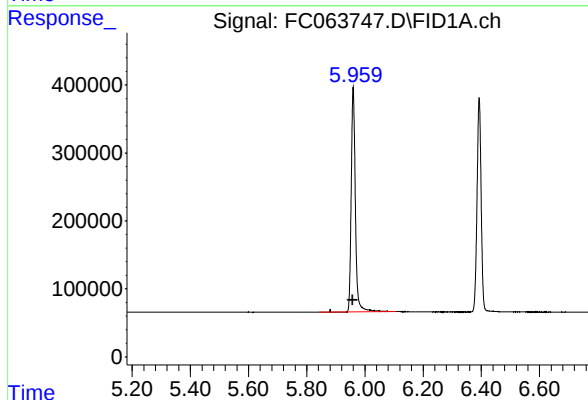
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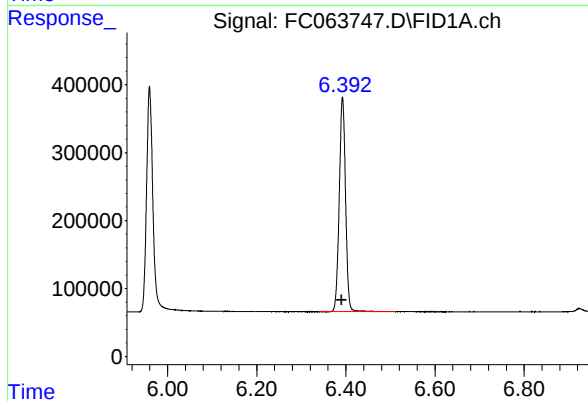
#2 n-Decane (C10)

R.T.: 4.377 min
Delta R.T.: 0.000 min
Response: 3129334
Conc: 19.36 ug/ml



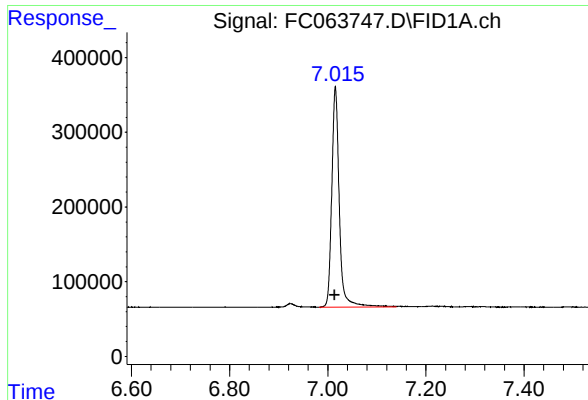
#3 A~Naphthalene (C11.7)

R.T.: 5.960 min
Delta R.T.: 0.001 min
Response: 3288878
Conc: 18.93 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.393 min
Delta R.T.: 0.002 min
Response: 3102501
Conc: 18.97 ug/ml



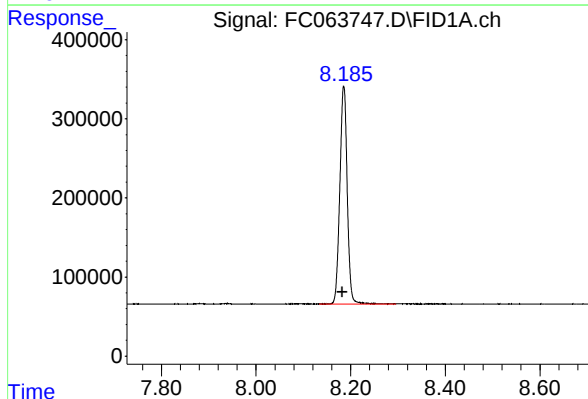
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.016 min
Delta R.T.: 0.001 min
Response: 3133640
Conc: 19.13 ug/ml

Instrument :
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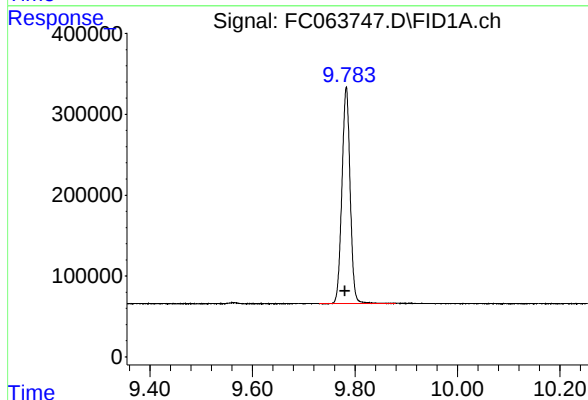
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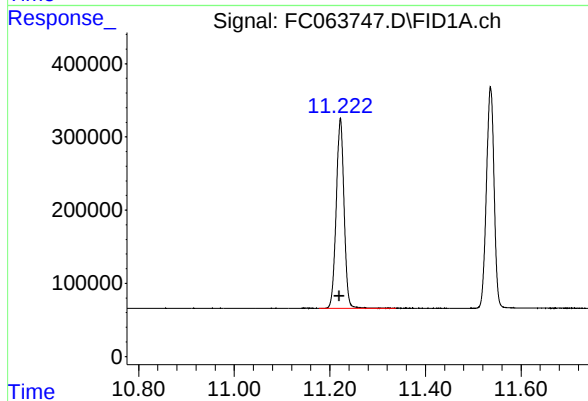
#6 n-Tetradecane (C14)

R.T.: 8.185 min
Delta R.T.: 0.003 min
Response: 2971545
Conc: 18.89 ug/ml



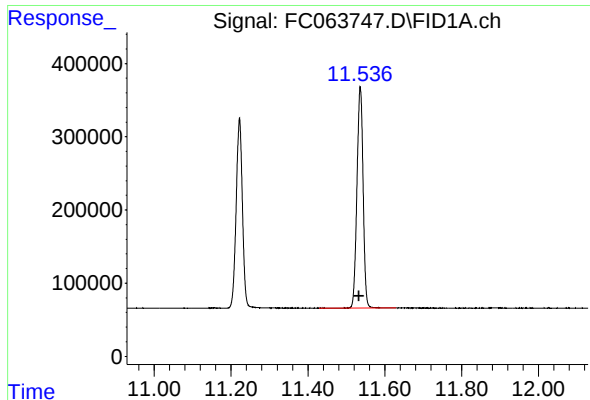
#7 n-Hexadecane (C16)

R.T.: 9.783 min
Delta R.T.: 0.002 min
Response: 2966586
Conc: 18.64 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.222 min
Delta R.T.: 0.002 min
Response: 2949898
Conc: 18.64 ug/ml



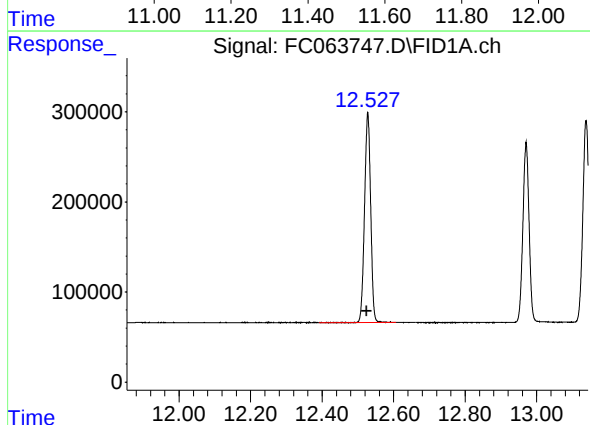
#9 ortho-Terphenyl (SURR)

R.T.: 11.536 min
Delta R.T.: 0.004 min
Response: 3353723
Conc: 18.38 ug/ml

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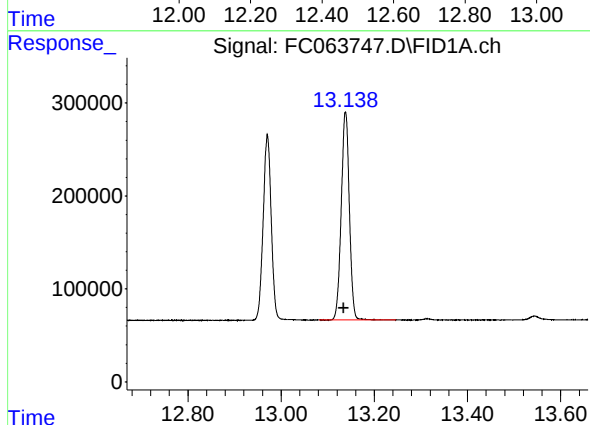
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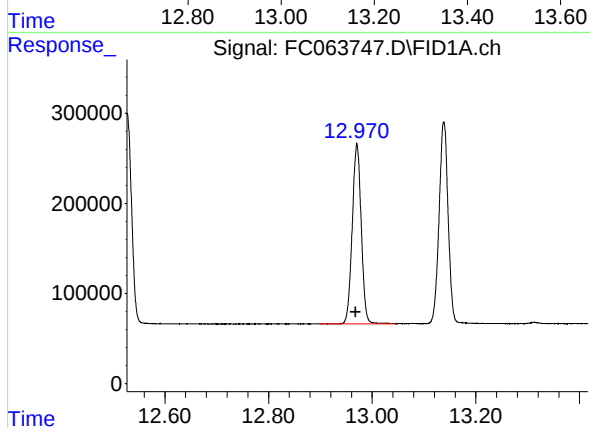
#10 n-Eicosane (C20)

R.T.: 12.528 min
Delta R.T.: 0.003 min
Response: 2771134
Conc: 18.74 ug/ml



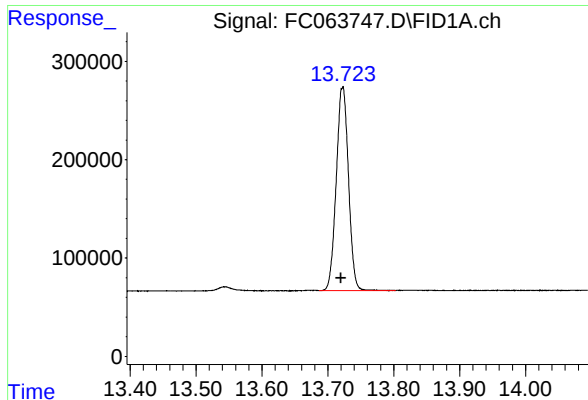
#11 n-Heneicosane (C21)

R.T.: 13.138 min
Delta R.T.: 0.004 min
Response: 2707974
Conc: 18.81 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.971 min
Delta R.T.: 0.003 min
Response: 2401693
Conc: 18.80 ug/ml



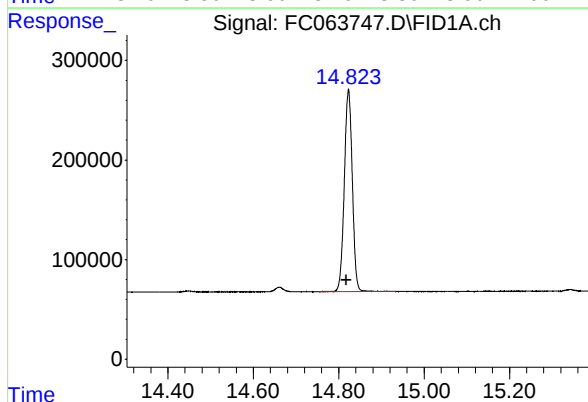
#13 n-Docosane (C22)

R.T.: 13.722 min
Delta R.T.: 0.003 min
Response: 2672490
Conc: 18.97 ug/ml

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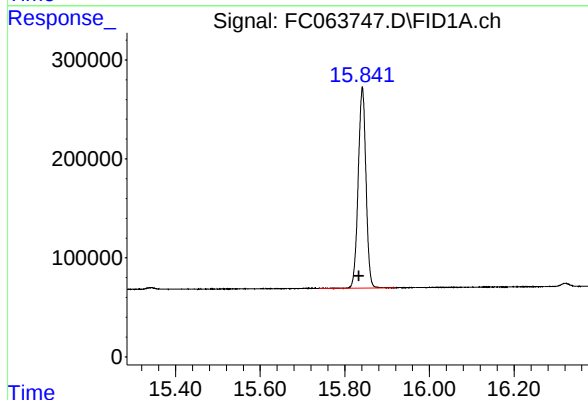
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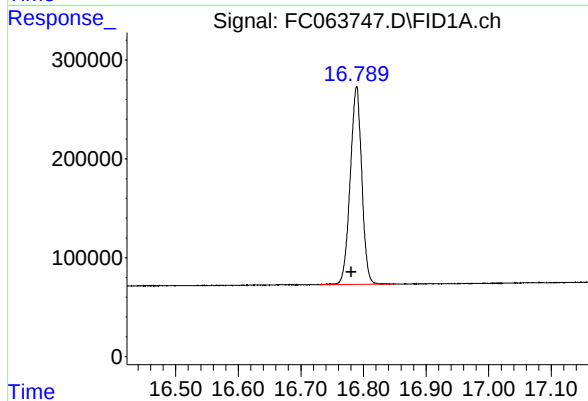
#14 n-Tetracosane (C24)

R.T.: 14.823 min
Delta R.T.: 0.005 min
Response: 2648814
Conc: 19.30 ug/ml



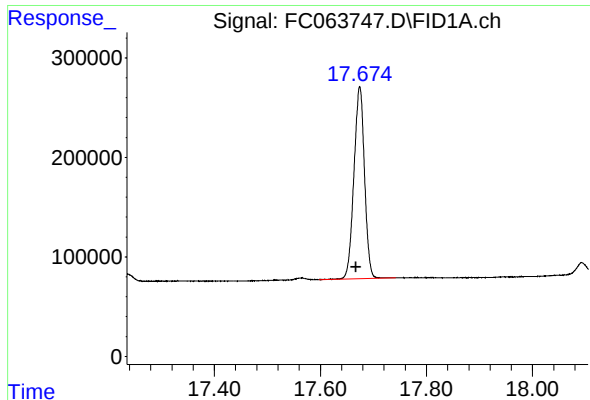
#15 n-Hexacosane (C26)

R.T.: 15.842 min
Delta R.T.: 0.008 min
Response: 2583027
Conc: 19.48 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.789 min
Delta R.T.: 0.008 min
Response: 2564398
Conc: 20.20 ug/ml m



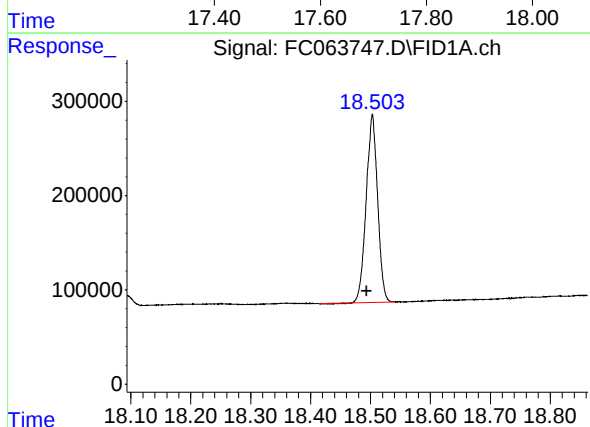
#17 n-Tricontane (C30)

R.T.: 17.674 min
Delta R.T.: 0.007 min
Response: 2681935
Conc: 20.99 ug/ml

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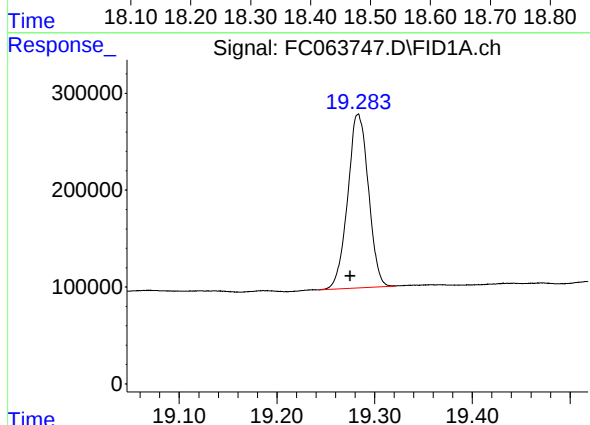
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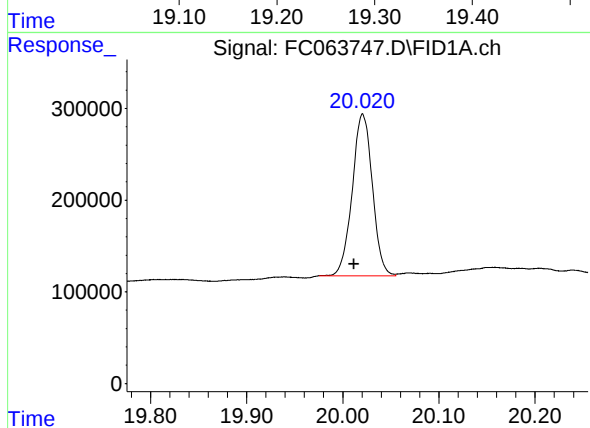
#18 n-Dotriacontane (C32)

R.T.: 18.503 min
Delta R.T.: 0.009 min
Response: 2639593
Conc: 21.21 ug/ml



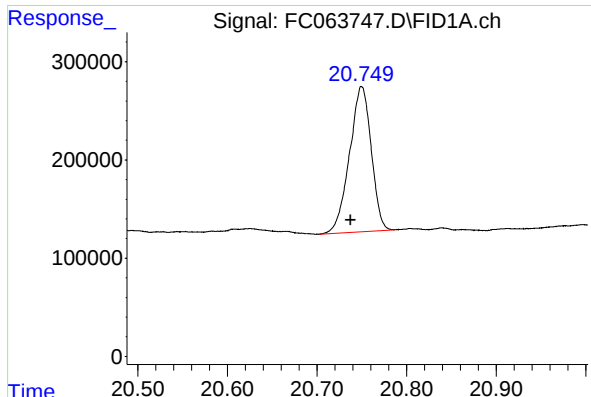
#19 n-Tetratriacontane (C34)

R.T.: 19.283 min
Delta R.T.: 0.008 min
Response: 2641472
Conc: 21.42 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.021 min
Delta R.T.: 0.009 min
Response: 2568295
Conc: 21.40 ug/ml



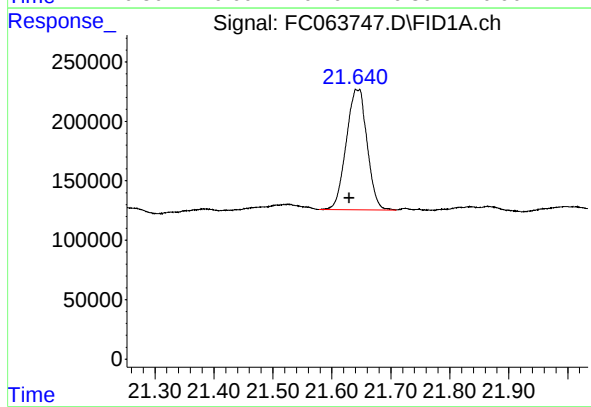
#21 n-Octatriacontane (C38)

R.T.: 20.749 min
Delta R.T.: 0.012 min
Response: 2497947
Conc: 20.69 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.640 min
Delta R.T.: 0.011 min
Response: 2484438
Conc: 20.50 ug/ml m