

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020725AL\
 Data File : FC068228.D
 Signal(s) : FID1A.ch
 Acq On : 07 Feb 2025 11:18
 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 02/10/2025
 Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
 Quant Time: Feb 07 22:12:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 04:31:18 2025
 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)	11.405	3174338	20.314 ug/ml
Spiked Amount 50.000		Recovery =	40.63%
12) S 1-chlorooctadecane (S...	12.846	2351798	20.450 ug/ml
Spiked Amount 50.000		Recovery =	40.90%
Target Compounds			
1) T n-Nonane (C9)	3.210	2991920	21.849 ug/ml
2) T n-Decane (C10)	4.268	3034666	21.858 ug/ml
3) T A~Naphthalene (C11.7)	5.836	3294908	21.948 ug/ml
4) T n-Dodecane (C12)	6.277	3000817	21.481 ug/ml
5) T A~2-methylnaphthalene...	6.887	3132118	21.806 ug/mlm
6) T n-Tetradecane (C14)	8.066	2882407	21.120 ug/ml
7) T n-Hexadecane (C16)	9.661	2891569	20.810 ug/ml
8) T n-Octadecane (C18)	11.100	2877649	20.567 ug/ml
10) T n-Eicosane (C20)	12.405	2729181	20.397 ug/ml
11) T n-Heneicosane (C21)	13.016	2667189	20.308 ug/ml
13) T n-Docosane (C22)	13.601	2650455	20.461 ug/mlm
14) T n-Tetracosane (C24)	14.702	2628529	20.474 ug/ml
15) T n-Hexacosane (C26)	15.721	2586636	20.555 ug/ml
16) T n-Octacosane (C28)	16.669	2553942	20.420 ug/ml
17) T n-Tricontane (C30)	17.555	2610983	20.200 ug/ml
18) T n-Dotriacontane (C32)	18.386	2522260	20.176 ug/ml
19) T n-Tetratriacontane (C34)	19.169	2226781	20.528 ug/ml
20) T n-Hexatriacontane (C36)	19.906	1937088	20.932 ug/ml
21) T n-Octatriacontane (C38)	20.619	1841035	21.485 ug/ml
22) T n-Tetracontane (C40)	21.474	1831736	22.653 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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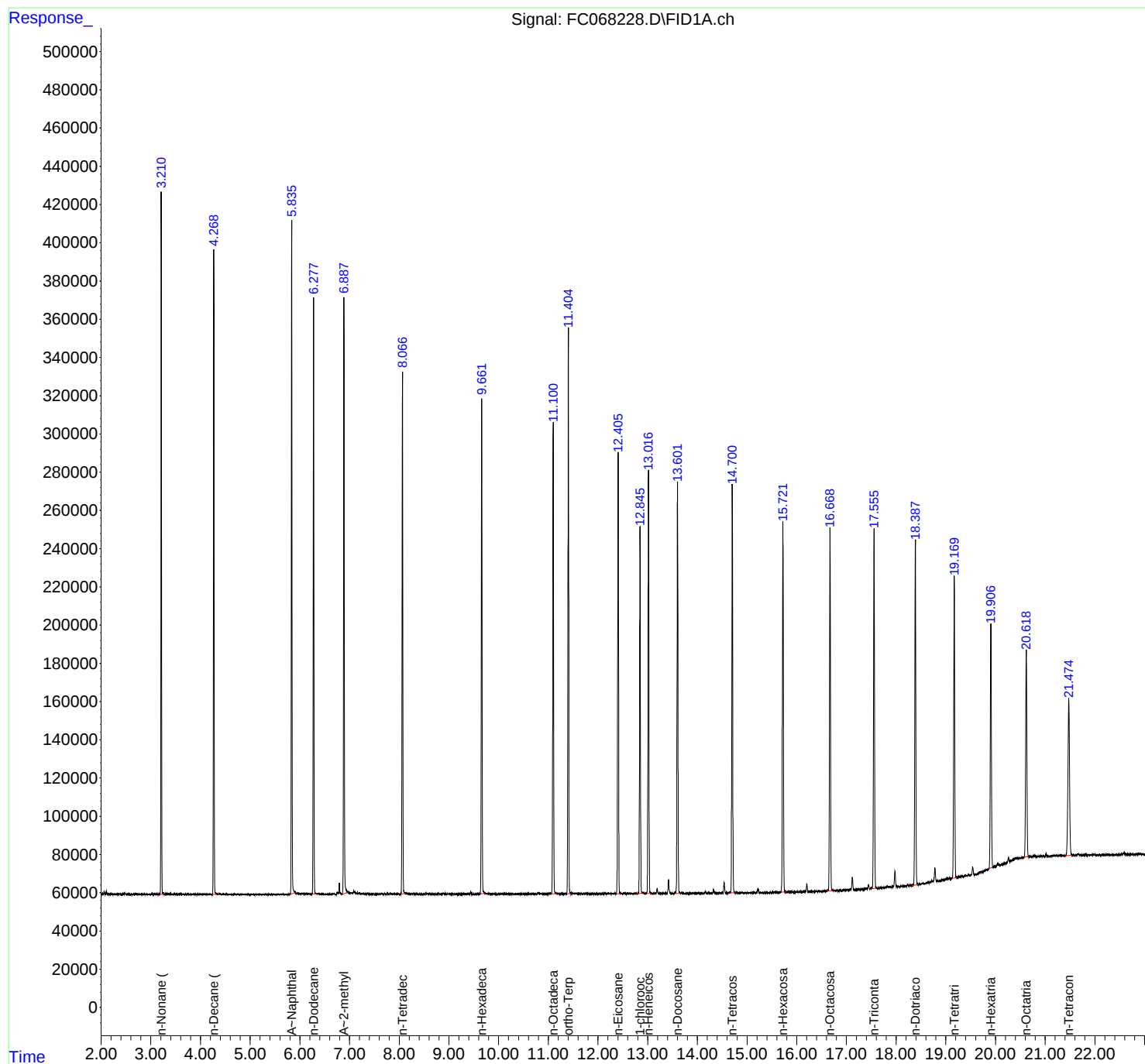
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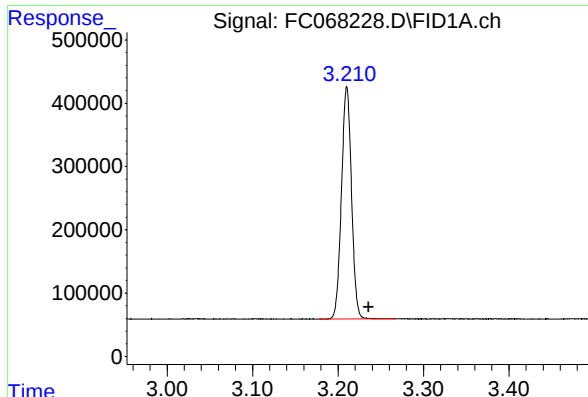
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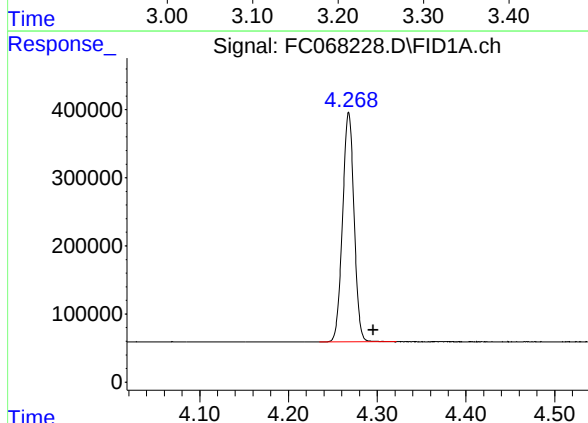
#1 n-Nonane (C9)

R.T.: 3.210 min
Delta R.T.: -0.026 min
Response: 2991920
Conc: 21.85 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

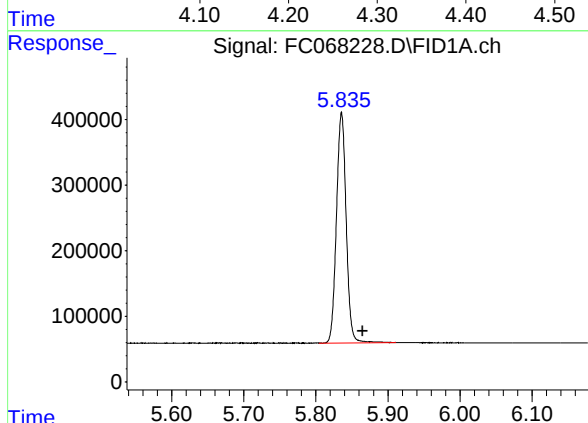
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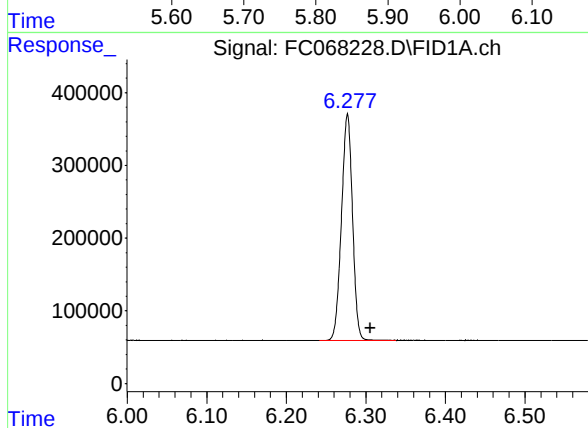
#2 n-Decane (C10)

R.T.: 4.268 min
Delta R.T.: -0.028 min
Response: 3034666
Conc: 21.86 ug/ml



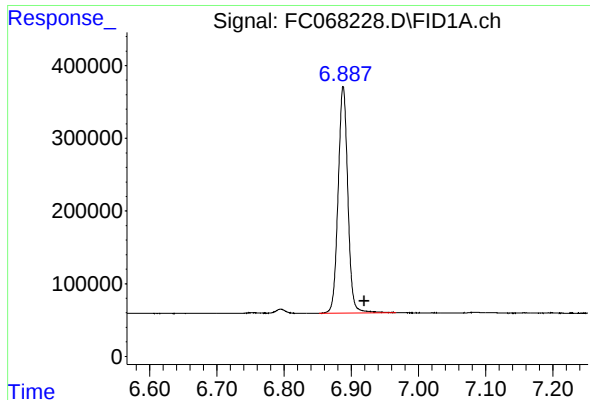
#3 A~Naphthalene (C11.7)

R.T.: 5.836 min
Delta R.T.: -0.029 min
Response: 3294908
Conc: 21.95 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.277 min
Delta R.T.: -0.029 min
Response: 3000817
Conc: 21.48 ug/ml



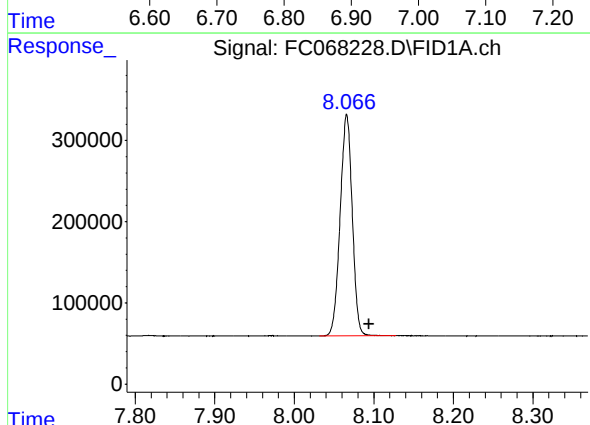
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.887 min
Delta R.T.: -0.032 min
Response: 3132118
Conc: 21.81 ug/ml

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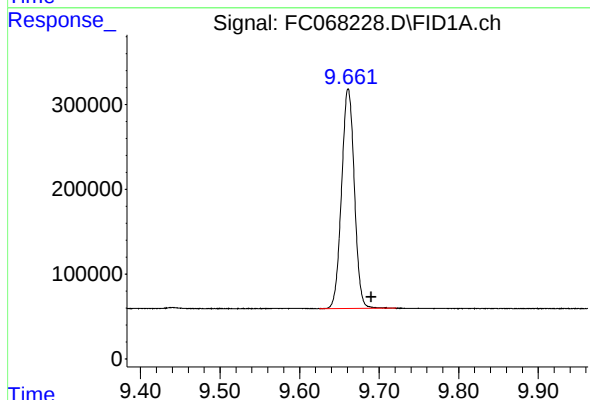
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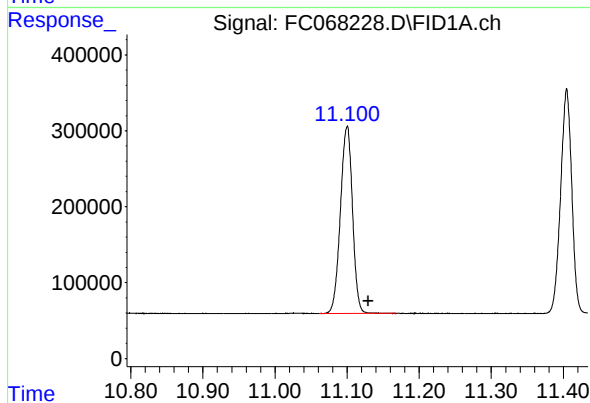
#6 n-Tetradecane (C14)

R.T.: 8.066 min
Delta R.T.: -0.028 min
Response: 2882407
Conc: 21.12 ug/ml



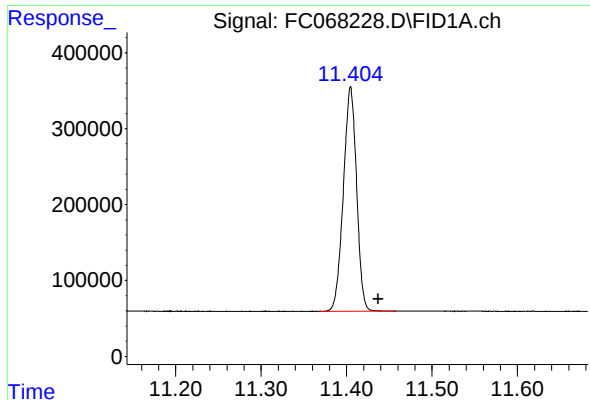
#7 n-Hexadecane (C16)

R.T.: 9.661 min
Delta R.T.: -0.029 min
Response: 2891569
Conc: 20.81 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.100 min
Delta R.T.: -0.030 min
Response: 2877649
Conc: 20.57 ug/ml



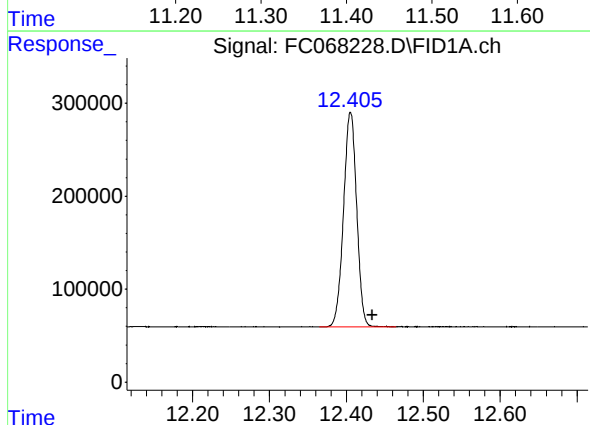
#9 ortho-Terphenyl (SURR)

R.T.: 11.405 min
Delta R.T.: -0.032 min
Response: 3174338
Conc: 20.31 ug/ml

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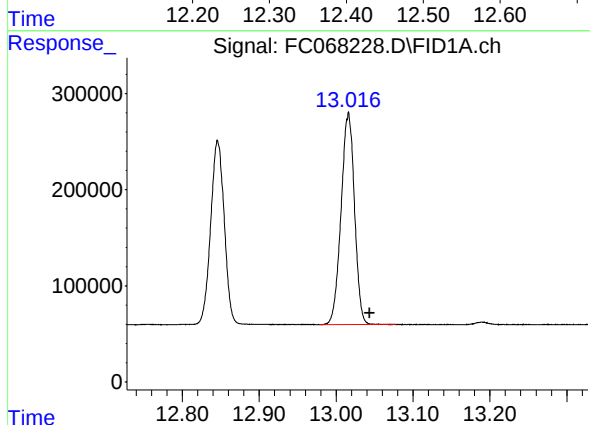
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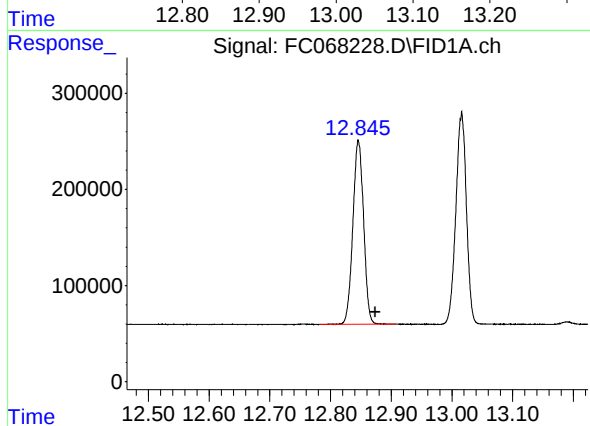
#10 n-Eicosane (C20)

R.T.: 12.405 min
Delta R.T.: -0.028 min
Response: 2729181
Conc: 20.40 ug/ml



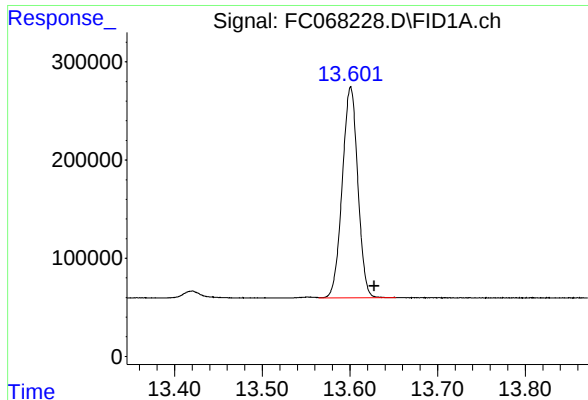
#11 n-Heneicosane (C21)

R.T.: 13.016 min
Delta R.T.: -0.028 min
Response: 2667189
Conc: 20.31 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.846 min
Delta R.T.: -0.028 min
Response: 2351798
Conc: 20.45 ug/ml



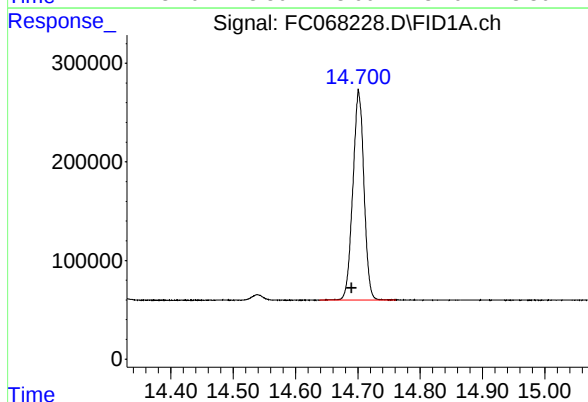
#13 n-Docosane (C22)

R.T.: 13.601 min
Delta R.T.: -0.027 min
Response: 2650455
Conc: 20.46 ug/ml

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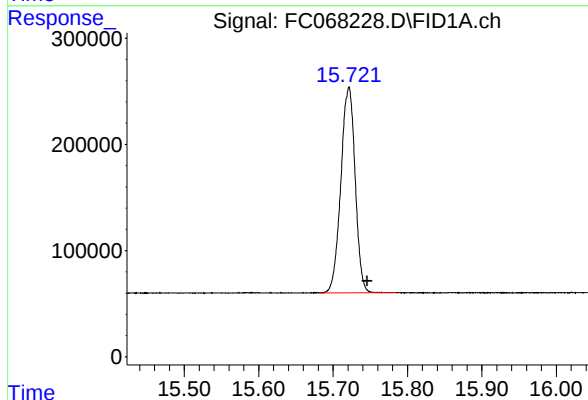
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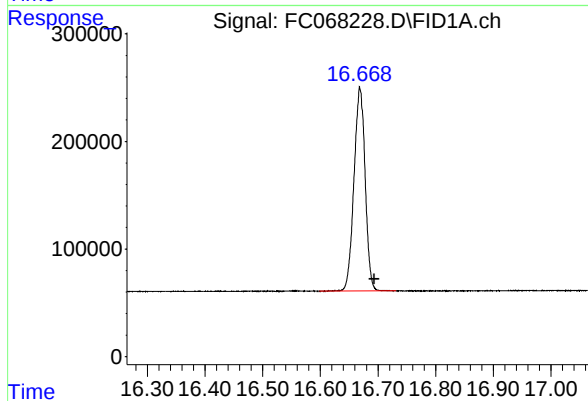
#14 n-Tetracosane (C24)

R.T.: 14.702 min
Delta R.T.: 0.012 min
Response: 2628529
Conc: 20.47 ug/ml



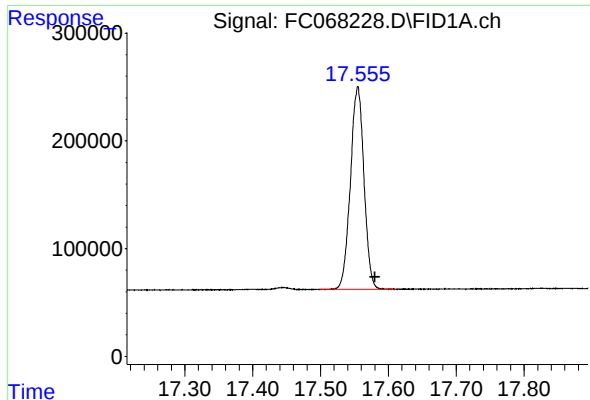
#15 n-Hexacosane (C26)

R.T.: 15.721 min
Delta R.T.: -0.025 min
Response: 2586636
Conc: 20.56 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.669 min
Delta R.T.: -0.025 min
Response: 2553942
Conc: 20.42 ug/ml



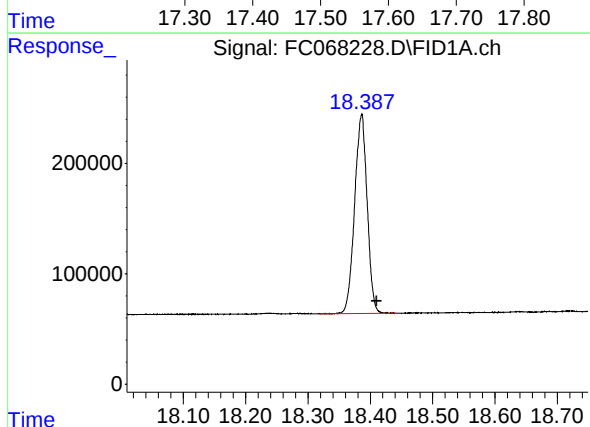
#17 n-Tricontane (C30)

R.T.: 17.555 min
Delta R.T.: -0.026 min
Response: 2610983
Conc: 20.20 ug/ml

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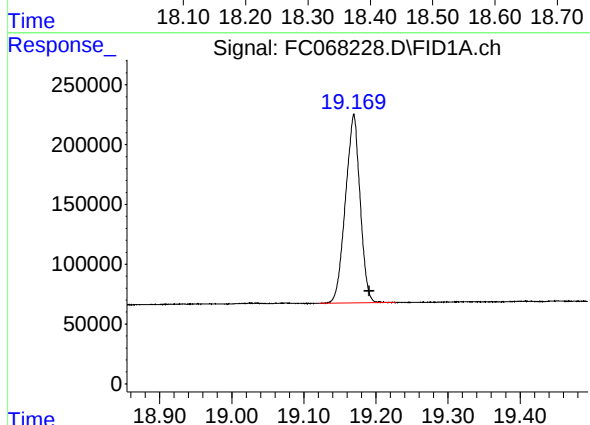
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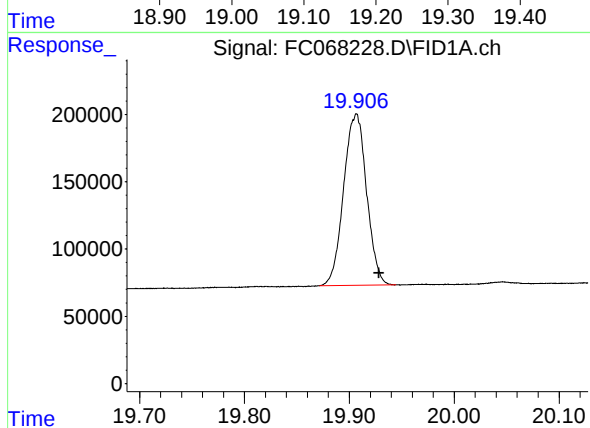
#18 n-Dotriacontane (C32)

R.T.: 18.386 min
Delta R.T.: -0.024 min
Response: 2522260
Conc: 20.18 ug/ml



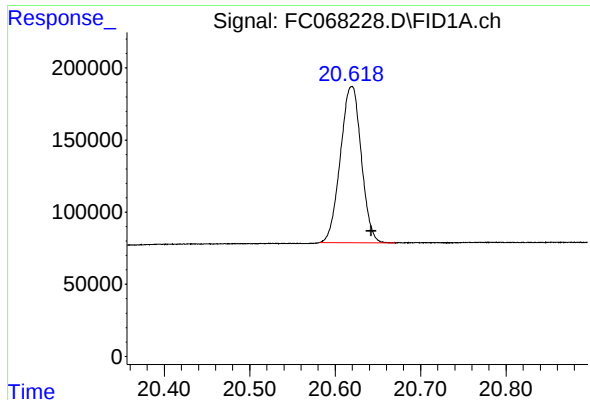
#19 n-Tetatriacontane (C34)

R.T.: 19.169 min
Delta R.T.: -0.022 min
Response: 2226781
Conc: 20.53 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.906 min
Delta R.T.: -0.022 min
Response: 1937088
Conc: 20.93 ug/ml



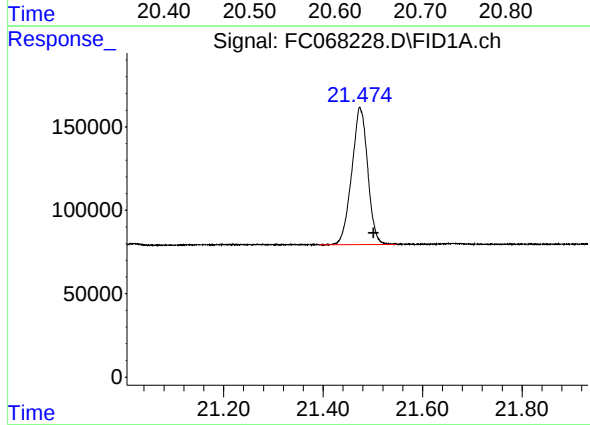
#21 n-Octatriacontane (C38)

R.T.: 20.619 min
Delta R.T.: -0.023 min
Response: 1841035
Conc: 21.49 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.474 min
Delta R.T.: -0.028 min
Response: 1831736
Conc: 22.65 ug/ml m