

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012925AL\
 Data File : FC068154.D
 Signal(s) : FID1A.ch
 Acq On : 29 Jan 2025 18:29
 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 01/30/2025
 Supervised By :Ankita Jodhani 01/30/2025

Integration File: autoint1.e
 Quant Time: Jan 30 01:30:36 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)	11.422	2718065	17.394 ug/ml
Spiked Amount 50.000		Recovery =	34.79%
12) S 1-chlorooctadecane (S...	12.862	2010714	17.484 ug/ml
Spiked Amount 50.000		Recovery =	34.97%
Target Compounds			
1) T n-Nonane (C9)	3.230	2414512	17.633 ug/ml
2) T n-Decane (C10)	4.288	2470098	17.792 ug/ml
3) T A~Naphthalene (C11.7)	5.855	2676369	17.827 ug/ml
4) T n-Dodecane (C12)	6.296	2459151	17.603 ug/ml
5) T A~2-methylnaphthalene...	6.908	2550303	17.756 ug/ml
6) T n-Tetradecane (C14)	8.083	2391224	17.521 ug/ml
7) T n-Hexadecane (C16)	9.679	2425409	17.455 ug/ml
8) T n-Octadecane (C18)	11.116	2439432	17.435 ug/ml
10) T n-Eicosane (C20)	12.422	2333826	17.442 ug/ml
11) T n-Heneicosane (C21)	13.032	2288169	17.422 ug/ml
13) T n-Docosane (C22)	13.617	2270237	17.526 ug/mlm
14) T n-Tetracosane (C24)	14.717	2279431	17.754 ug/ml
15) T n-Hexacosane (C26)	15.736	2271880	18.054 ug/ml
16) T n-Octacosane (C28)	16.684	2382665	19.050 ug/ml
17) T n-Tricontane (C30)	17.571	2656770	20.554 ug/ml
18) T n-Dotriacontane (C32)	18.402	2653659	21.227 ug/mlm
19) T n-Tetratriacontane (C34)	19.183	2288632	21.098 ug/ml
20) T n-Hexatriacontane (C36)	19.921	1878801	20.302 ug/ml
21) T n-Octatriacontane (C38)	20.636	1683201	19.643 ug/ml
22) T n-Tetracontane (C40)	21.496	1576196	19.493 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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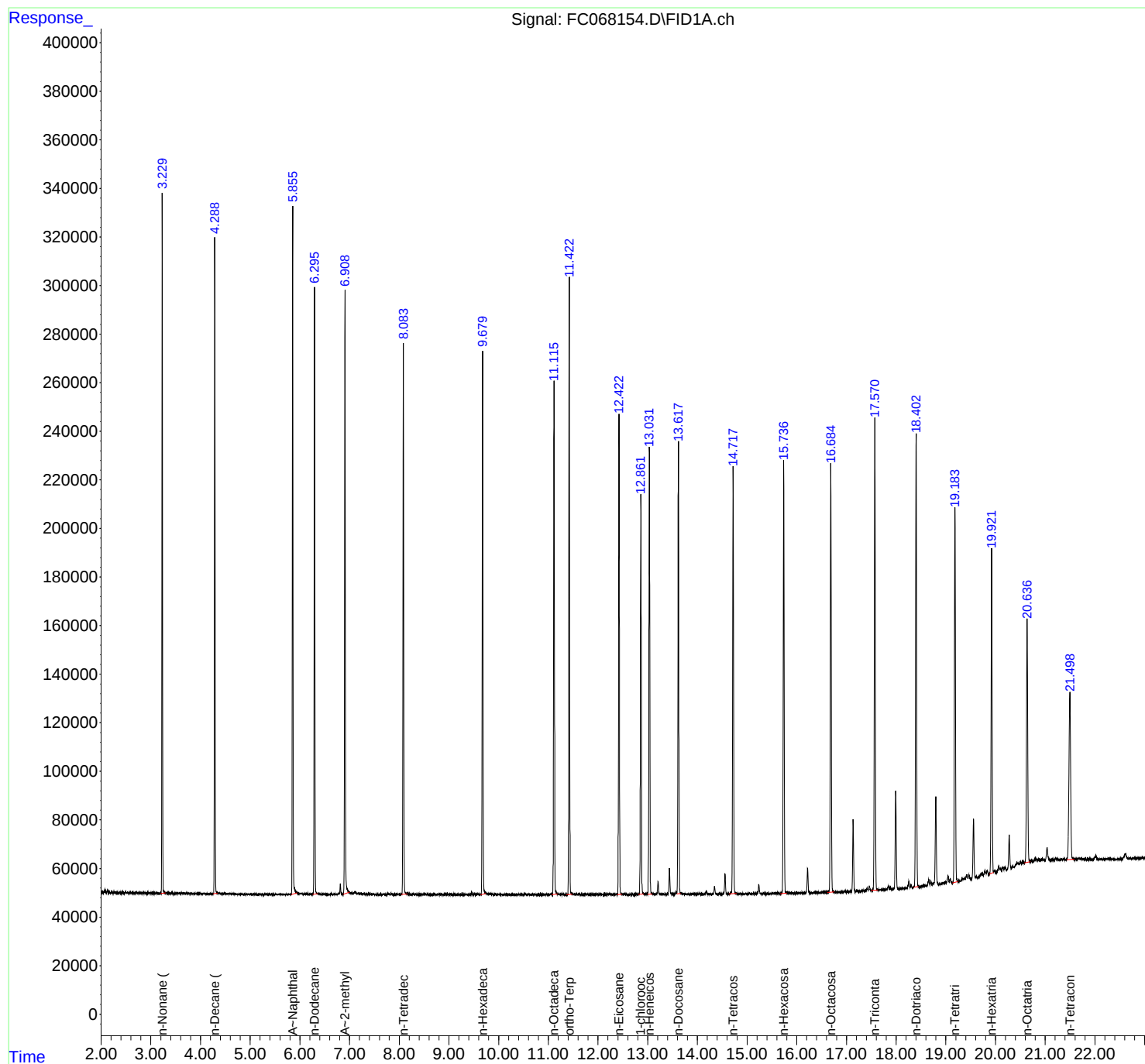
Instrument :
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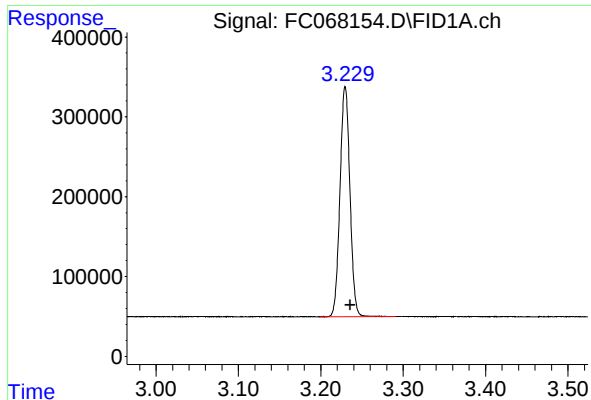
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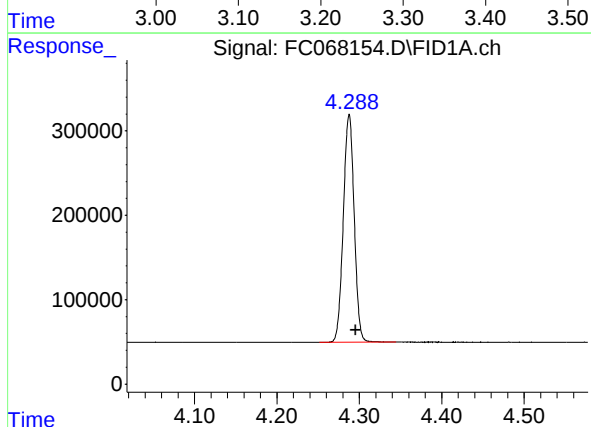
#1 n-Nonane (C9)

R.T.: 3.230 min
Delta R.T.: -0.006 min
Response: 2414512
Conc: 17.63 ug/ml

Instrument :
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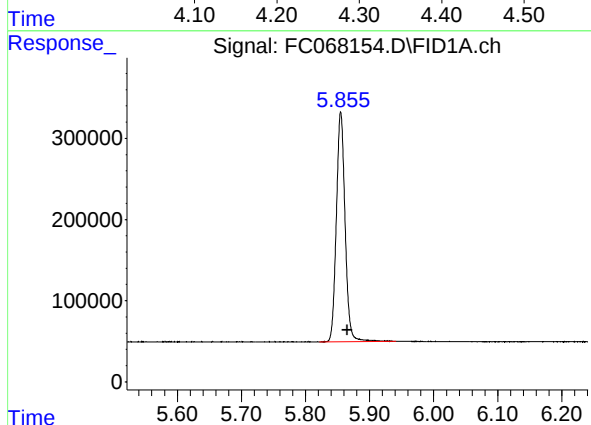
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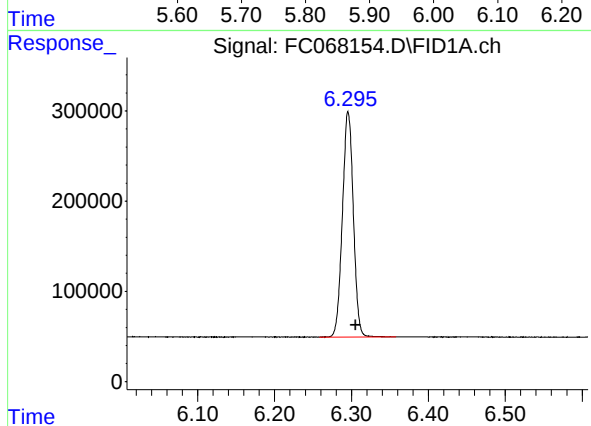
#2 n-Decane (C10)

R.T.: 4.288 min
Delta R.T.: -0.008 min
Response: 2470098
Conc: 17.79 ug/ml



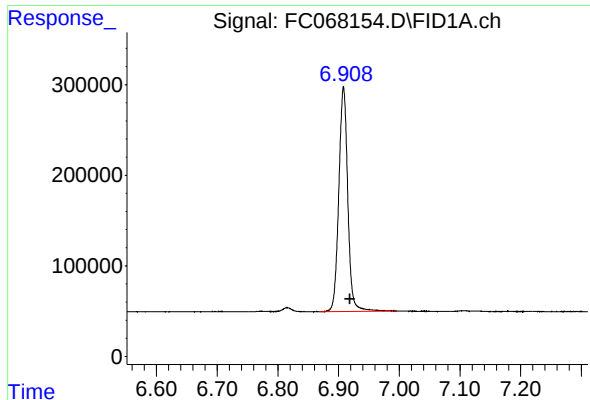
#3 A~Naphthalene (C11.7)

R.T.: 5.855 min
Delta R.T.: -0.010 min
Response: 2676369
Conc: 17.83 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.296 min
Delta R.T.: -0.010 min
Response: 2459151
Conc: 17.60 ug/ml



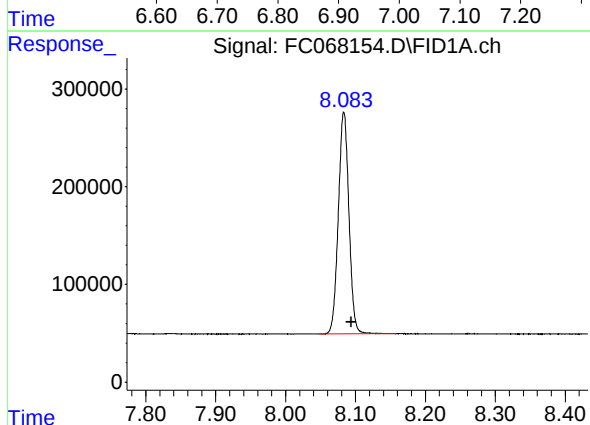
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.908 min
Delta R.T.: -0.011 min
Response: 2550303
Conc: 17.76 ug/ml

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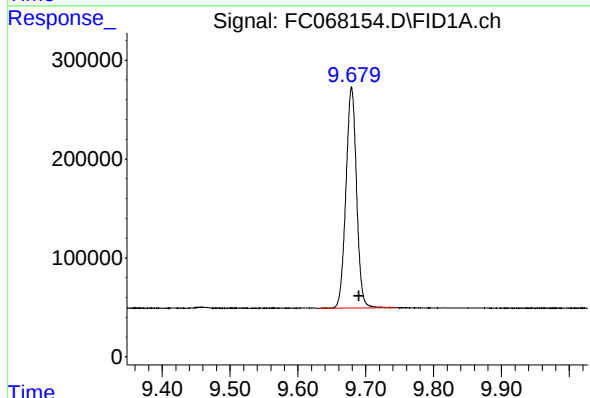
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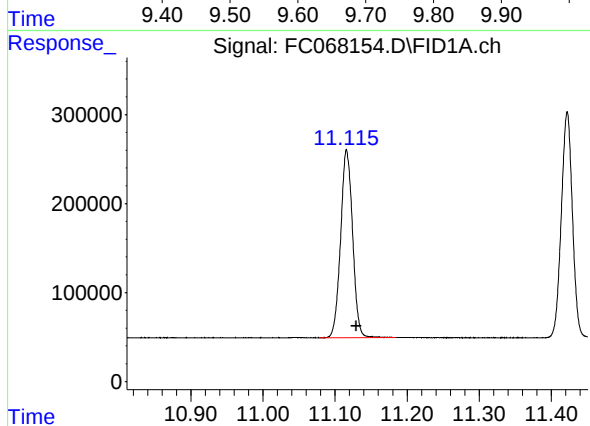
#6 n-Tetradecane (C14)

R.T.: 8.083 min
Delta R.T.: -0.011 min
Response: 2391224
Conc: 17.52 ug/ml



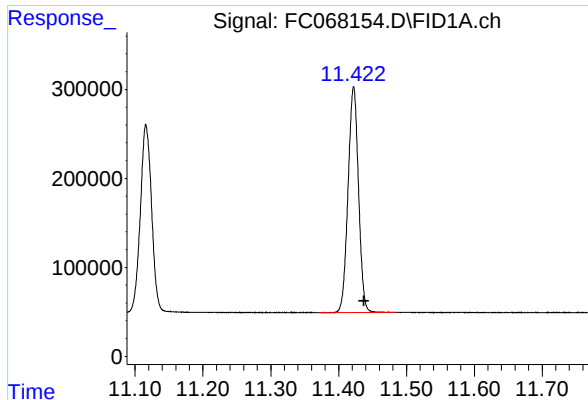
#7 n-Hexadecane (C16)

R.T.: 9.679 min
Delta R.T.: -0.011 min
Response: 2425409
Conc: 17.46 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.116 min
Delta R.T.: -0.013 min
Response: 2439432
Conc: 17.43 ug/ml



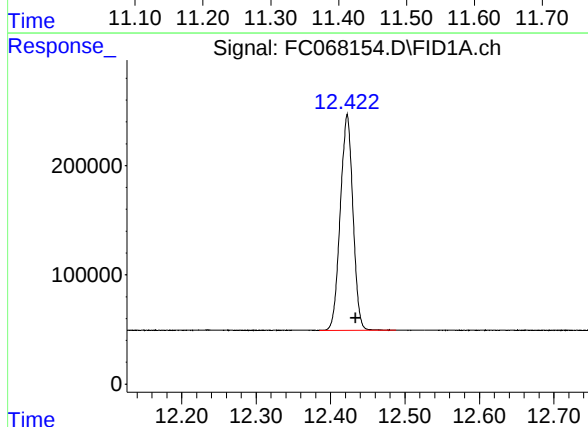
#9 ortho-Terphenyl (SURR)

R.T.: 11.422 min
Delta R.T.: -0.015 min
Response: 2718065
Conc: 17.39 ug/ml

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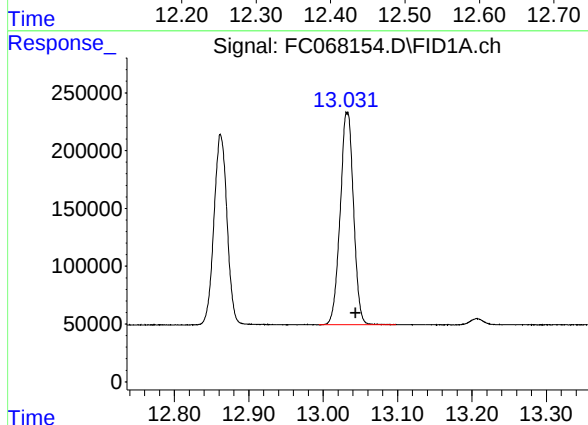
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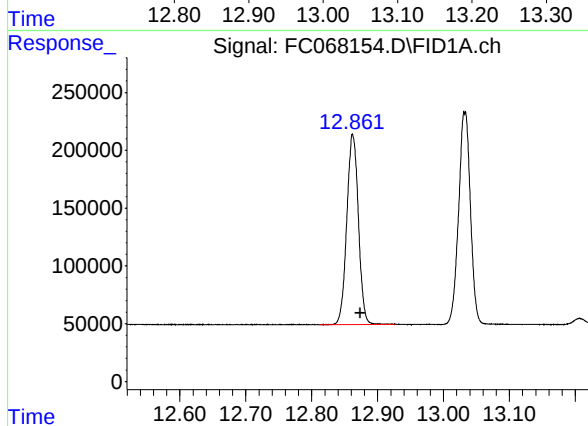
#10 n-Eicosane (C20)

R.T.: 12.422 min
Delta R.T.: -0.012 min
Response: 2333826
Conc: 17.44 ug/ml



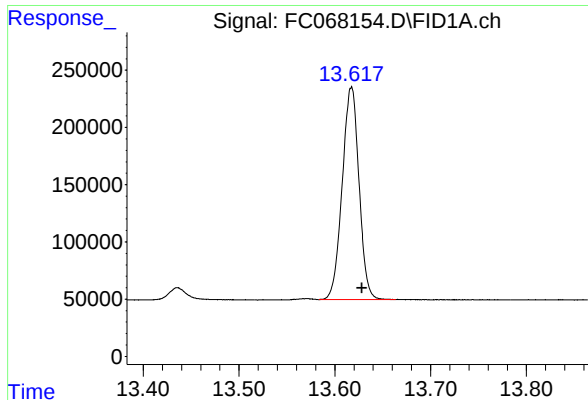
#11 n-Heneicosane (C21)

R.T.: 13.032 min
Delta R.T.: -0.011 min
Response: 2288169
Conc: 17.42 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.862 min
Delta R.T.: -0.011 min
Response: 2010714
Conc: 17.48 ug/ml



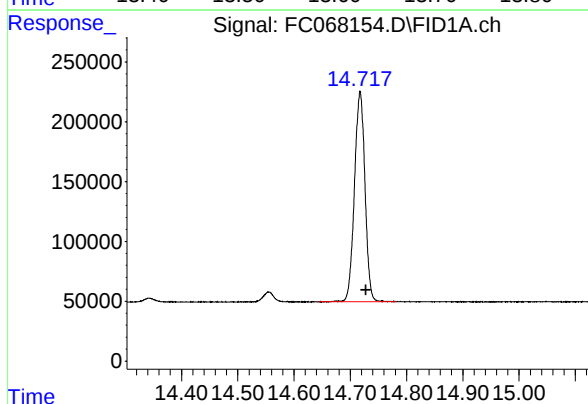
#13 n-Docosane (C22)

R.T.: 13.617 min
Delta R.T.: -0.011 min
Response: 2270237
Conc: 17.53 ug/ml

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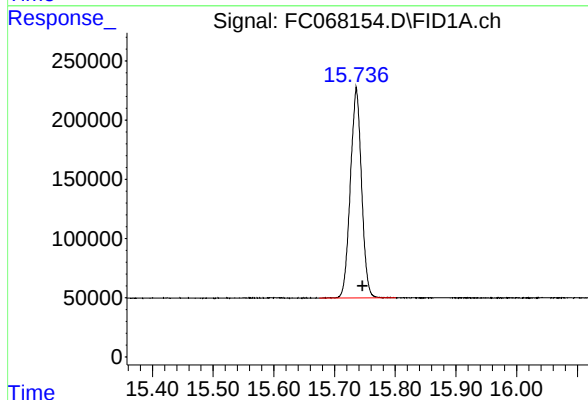
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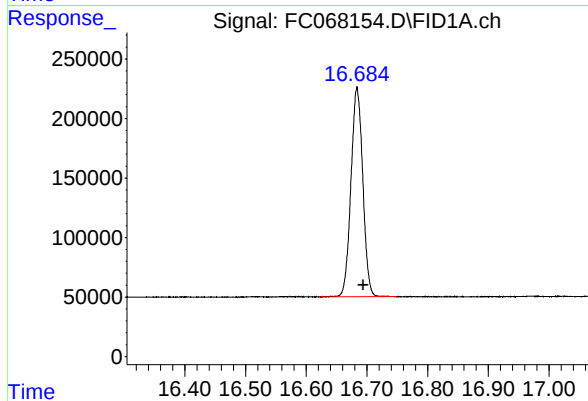
#14 n-Tetracosane (C24)

R.T.: 14.717 min
Delta R.T.: -0.011 min
Response: 2279431
Conc: 17.75 ug/ml



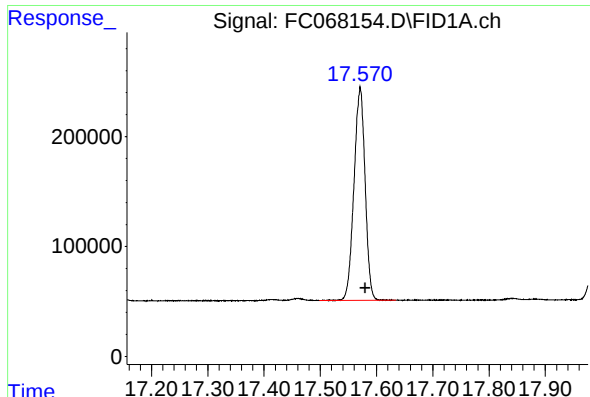
#15 n-Hexacosane (C26)

R.T.: 15.736 min
Delta R.T.: -0.010 min
Response: 2271880
Conc: 18.05 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.684 min
Delta R.T.: -0.010 min
Response: 2382665
Conc: 19.05 ug/ml



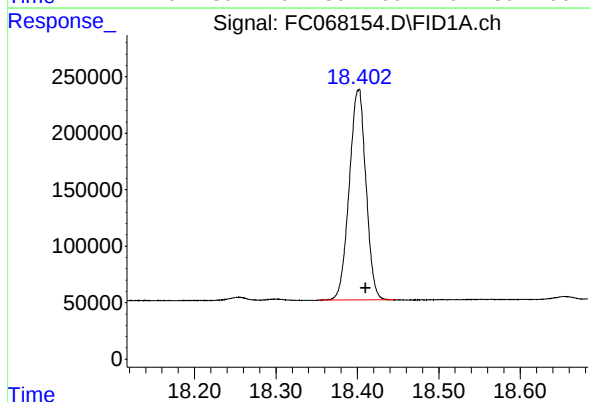
#17 n-Tricontane (C30)

R.T.: 17.571 min
Delta R.T.: -0.010 min
Response: 2656770
Conc: 20.55 ug/ml

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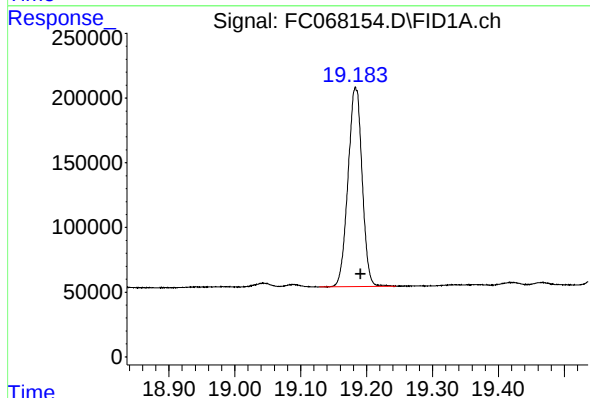
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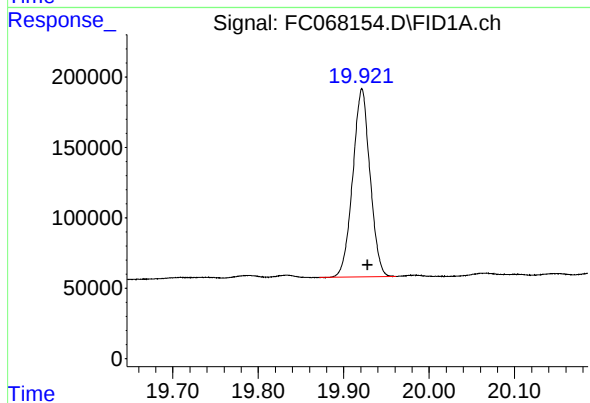
#18 n-Dotriacontane (C32)

R.T.: 18.402 min
Delta R.T.: -0.008 min
Response: 2653659
Conc: 21.23 ug/ml



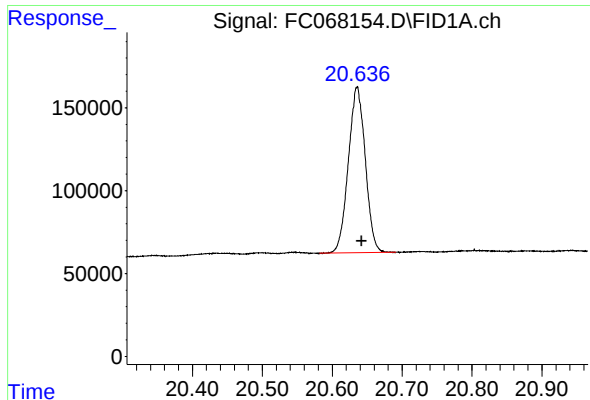
#19 n-Tetatriacontane (C34)

R.T.: 19.183 min
Delta R.T.: -0.008 min
Response: 2288632
Conc: 21.10 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.921 min
Delta R.T.: -0.007 min
Response: 1878801
Conc: 20.30 ug/ml



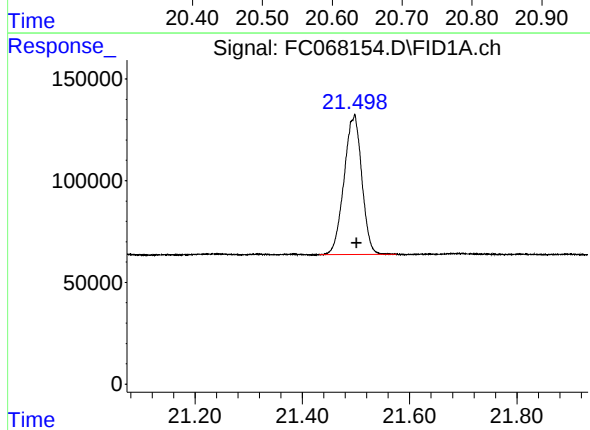
#21 n-Octatriacontane (C38)

R.T.: 20.636 min
Delta R.T.: -0.006 min
Response: 1683201
Conc: 19.64 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.496 min
Delta R.T.: -0.005 min
Response: 1576196
Conc: 19.49 ug/ml