

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC033125AL\
 Data File : FC068452.D
 Signal(s) : FID1A.ch
 Acq On : 31 Mar 2025 18:15
 Operator : YP/AJ
 Sample : Q1674-01MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 RT5358MS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/01/2025
 Supervised By :mohammad ahmed 04/02/2025

Integration File: autoint1.e
 Quant Time: Apr 01 03:19:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 26 13:35:27 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)	11.388	6654048	33.500 ug/ml
Spiked Amount 50.000		Recovery =	67.00%
12) S 1-chlorooctadecane (S...	12.829	4909904	32.936 ug/ml
Spiked Amount 50.000		Recovery =	65.87%
Target Compounds			
1) T n-Nonane (C9)	3.196	4200191	26.261 ug/ml
2) T n-Decane (C10)	4.253	4742376	29.255 ug/ml
3) T A~Naphthalene (C11.7)	5.818	5687418	32.191 ug/ml
4) T n-Dodecane (C12)	6.260	5331602	32.331 ug/ml
5) T A~2-methylnaphthalene...	6.870	5502312	32.348 ug/ml
6) T n-Tetradecane (C14)	8.051	5843613	35.515 ug/ml
7) T n-Hexadecane (C16)	9.645	6258756	36.420 ug/ml
8) T n-Octadecane (C18)	11.083	6191944	35.276 ug/ml
10) T n-Eicosane (C20)	12.389	6250399	36.495 ug/ml
11) T n-Heneicosane (C21)	12.999	5874184	35.019 ug/ml
13) T n-Docosane (C22)	13.583	5753660	34.106 ug/ml
14) T n-Tetracosane (C24)	14.642	11528771	67.316 ug/mlm
15) T n-Hexacosane (C26)	15.705	5368861	31.899 ug/ml
16) T n-Octacosane (C28)	16.652	5134186	30.705 ug/ml
17) T n-Tricontane (C30)	17.539	5017019	28.775 ug/ml
18) T n-Dotriacontane (C32)	18.370	4794468	28.640 ug/ml
19) T n-Tetratriacontane (C34)	19.153	4685620	31.767 ug/ml
20) T n-Hexatriacontane (C36)	19.890	4290092	35.055 ug/ml
21) T n-Octatriacontane (C38)	20.602	4172916	38.859 ug/ml
22) T n-Tetracontane (C40)	21.450	3982395	40.634 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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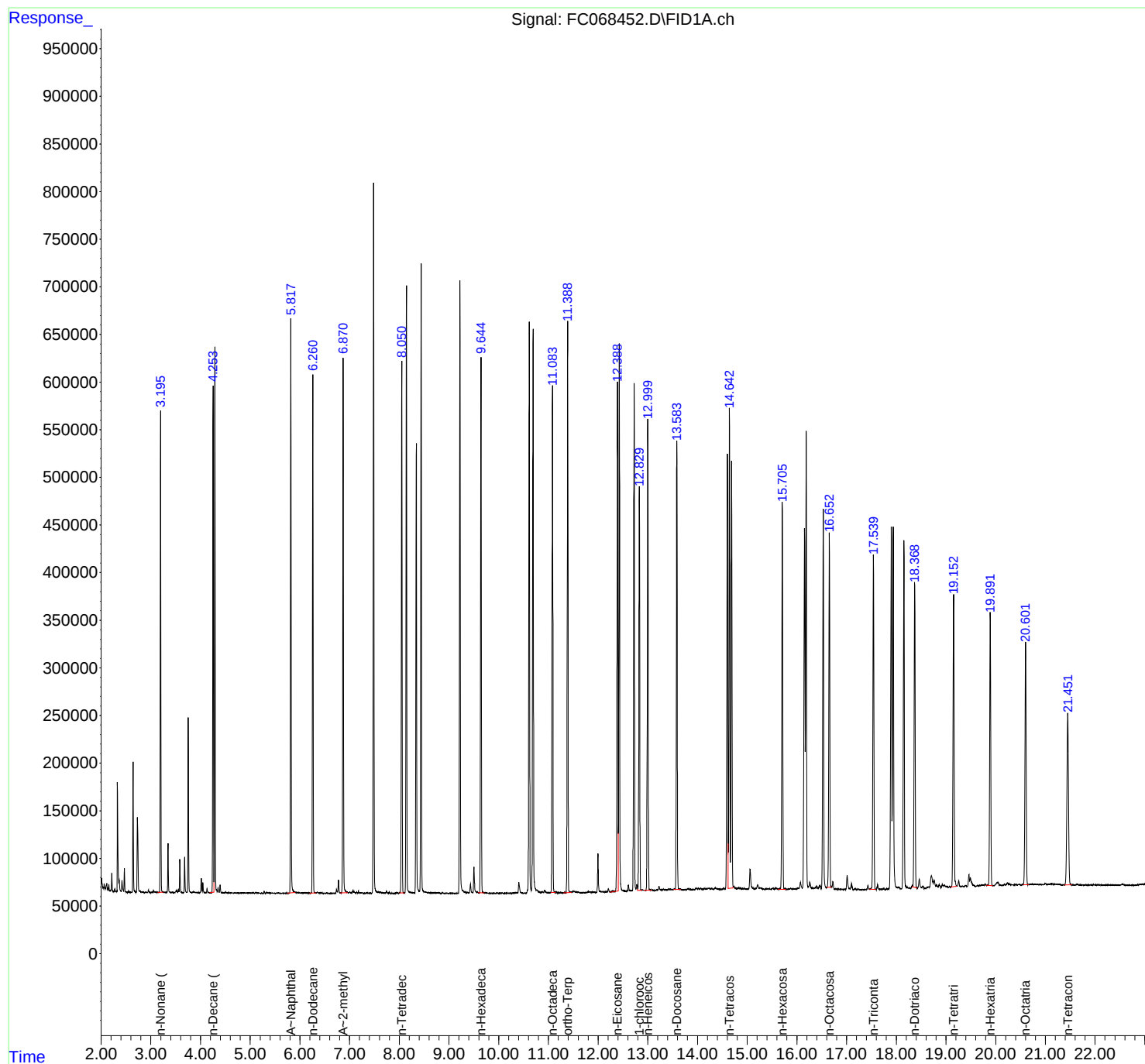
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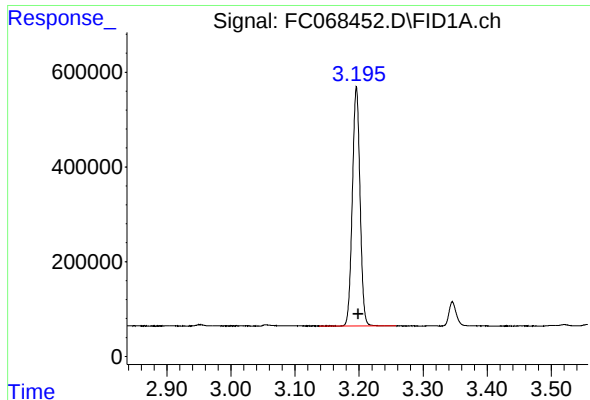
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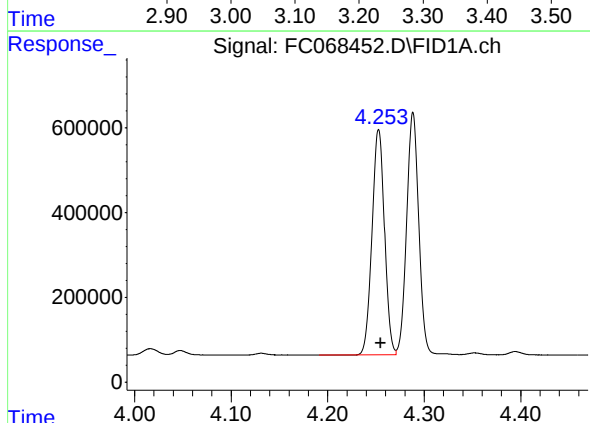
#1 n-Nonane (C9)

R.T.: 3.196 min
Delta R.T.: -0.003 min
Response: 4200191
Conc: 26.26 ug/ml

Instrument :
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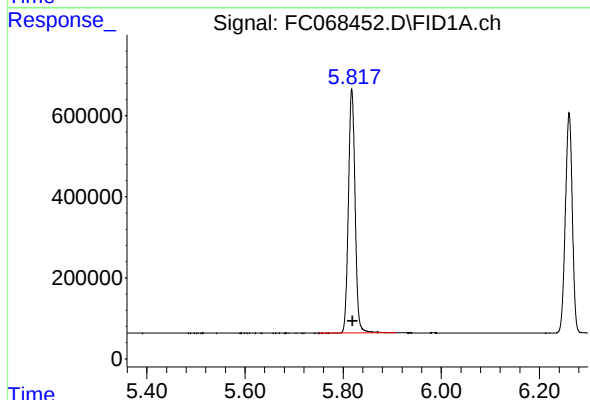
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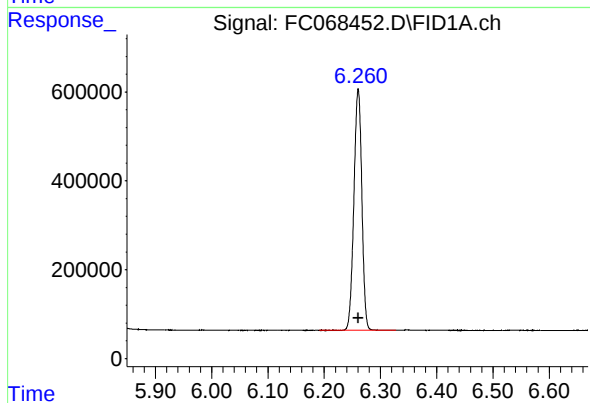
#2 n-Decane (C10)

R.T.: 4.253 min
Delta R.T.: -0.002 min
Response: 4742376
Conc: 29.25 ug/ml



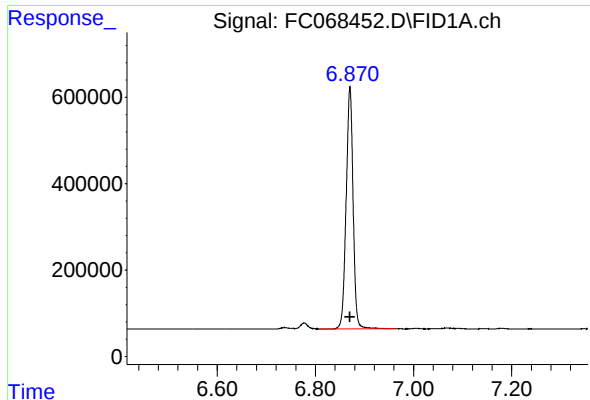
#3 A~Naphthalene (C11.7)

R.T.: 5.818 min
Delta R.T.: -0.002 min
Response: 5687418
Conc: 32.19 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.260 min
Delta R.T.: 0.000 min
Response: 5331602
Conc: 32.33 ug/ml



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

R.T.: 6.870 min
Delta R.T.: 0.000 min
Response: 5502312
Conc: 32.35 ug/ml

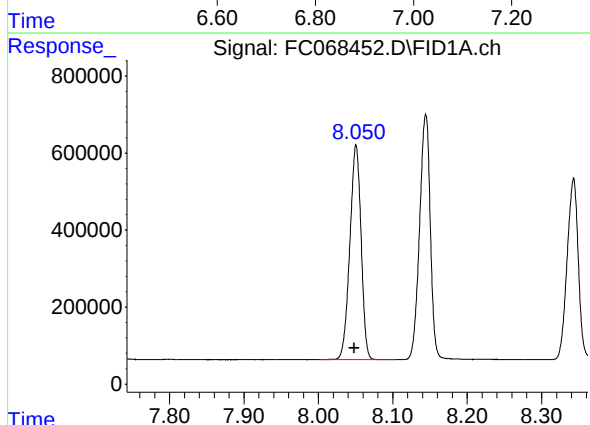
Instrument :

FID_C

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RT5358MS

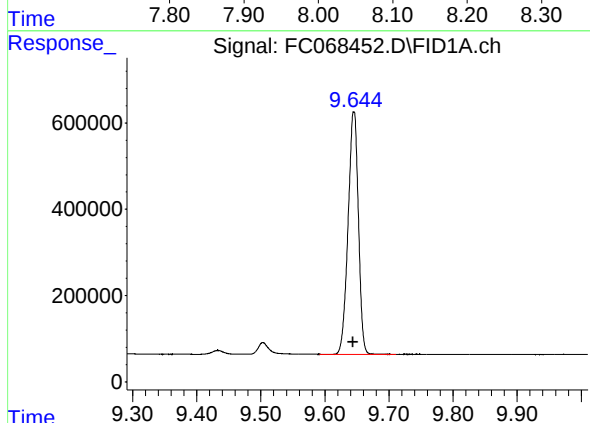
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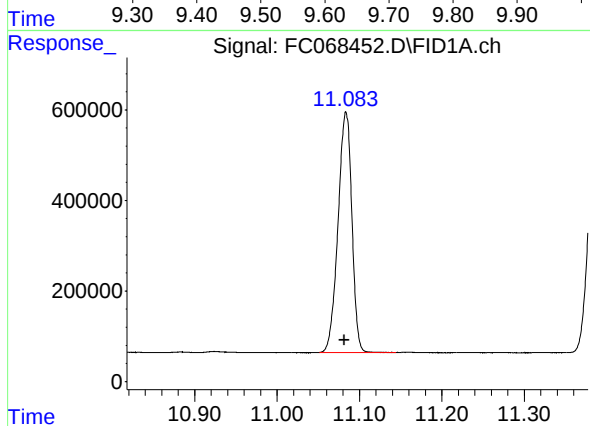
#6 n-Tetradecane (C14)

R.T.: 8.051 min
Delta R.T.: 0.002 min
Response: 5843613
Conc: 35.52 ug/ml



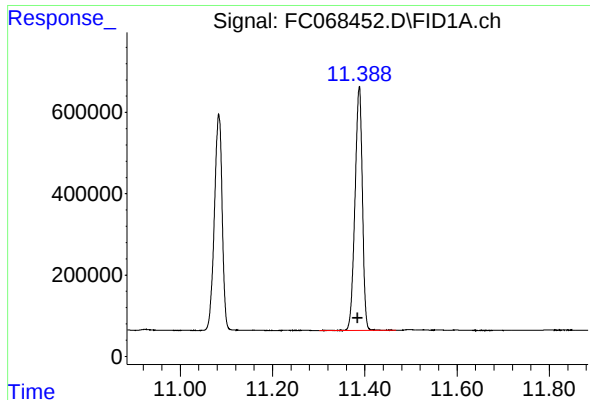
#7 n-Hexadecane (C16)

R.T.: 9.645 min
Delta R.T.: 0.001 min
Response: 6258756
Conc: 36.42 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.083 min
Delta R.T.: 0.002 min
Response: 6191944
Conc: 35.28 ug/ml



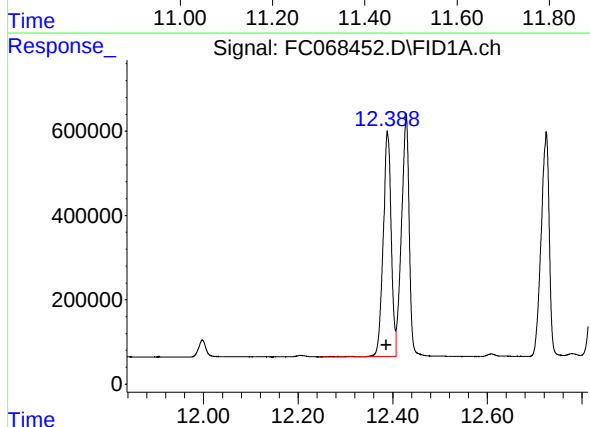
#9 ortho-Terphenyl (SURR)

R.T.: 11.388 min
Delta R.T.: 0.003 min
Response: 6654048
Conc: 33.50 ug/ml

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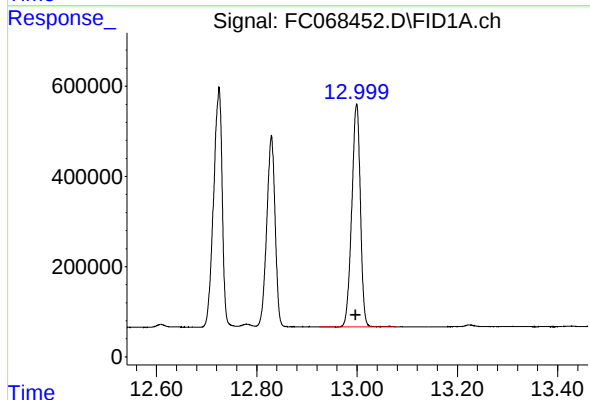
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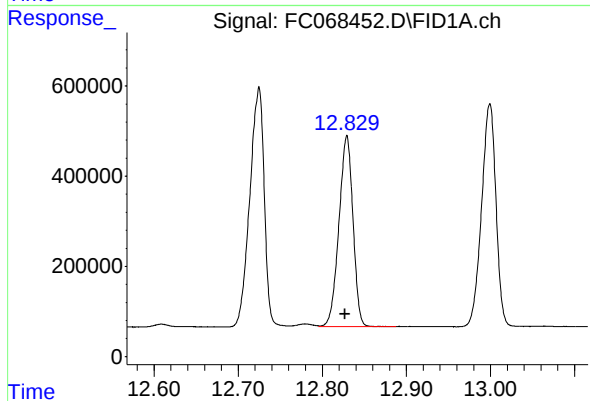
#10 n-Eicosane (C20)

R.T.: 12.389 min
Delta R.T.: 0.003 min
Response: 6250399
Conc: 36.50 ug/ml



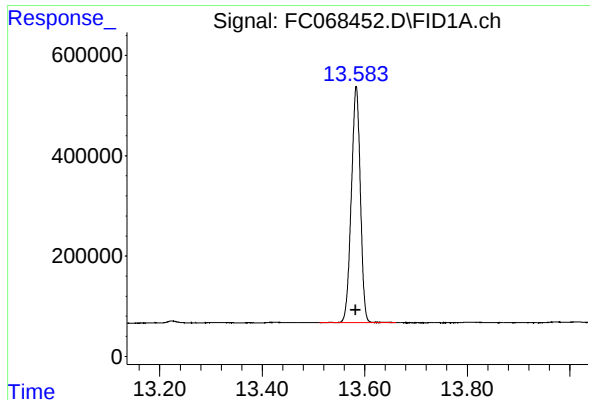
#11 n-Heneicosane (C21)

R.T.: 12.999 min
Delta R.T.: 0.002 min
Response: 5874184
Conc: 35.02 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.829 min
Delta R.T.: 0.002 min
Response: 4909904
Conc: 32.94 ug/ml



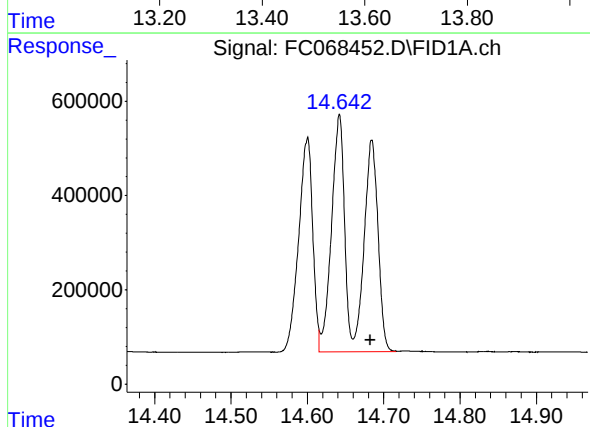
#13 n-Docosane (C22)

R.T.: 13.583 min
Delta R.T.: 0.002 min
Response: 5753660
Conc: 34.11 ug/ml

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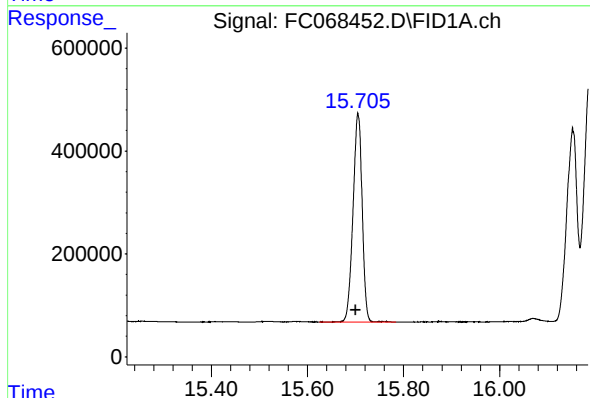
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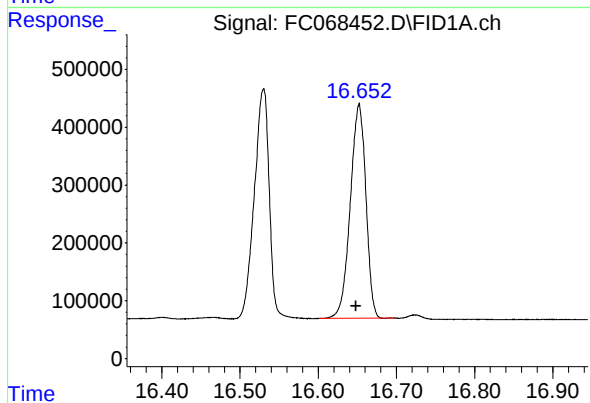
#14 n-Tetracosane (C24)

R.T.: 14.642 min
Delta R.T.: -0.041 min
Response: 11528771
Conc: 67.32 ug/ml m



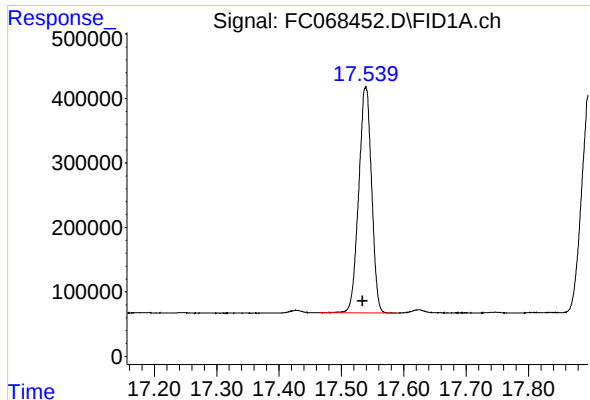
#15 n-Hexacosane (C26)

R.T.: 15.705 min
Delta R.T.: 0.005 min
Response: 5368861
Conc: 31.90 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.652 min
Delta R.T.: 0.004 min
Response: 5134186
Conc: 30.70 ug/ml



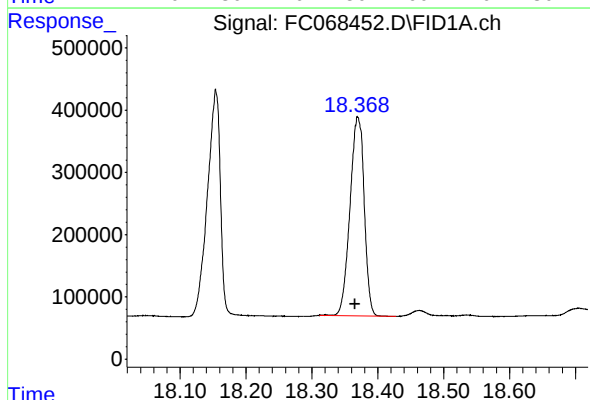
#17 n-Tricontane (C30)

R.T.: 17.539 min
Delta R.T.: 0.005 min
Response: 5017019
Conc: 28.77 ug/ml

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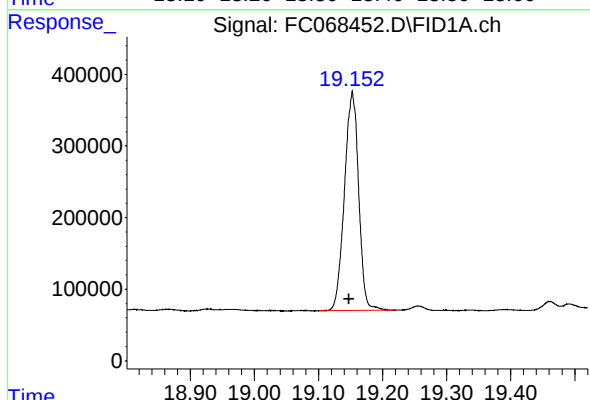
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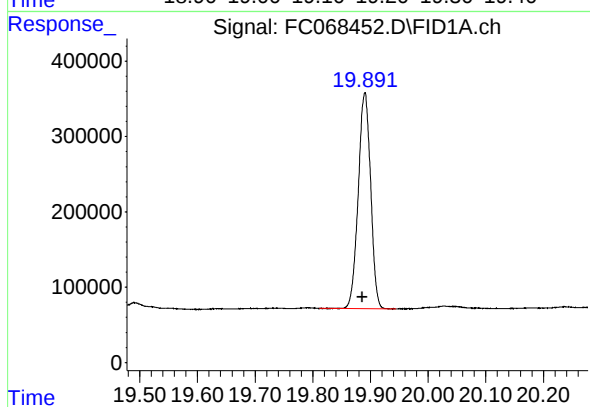
#18 n-Dotriacontane (C32)

R.T.: 18.370 min
Delta R.T.: 0.005 min
Response: 4794468
Conc: 28.64 ug/ml



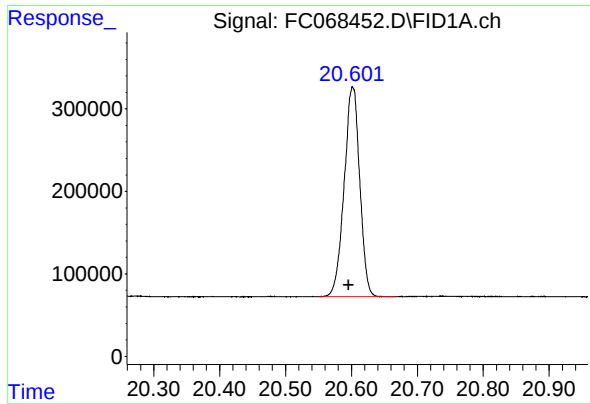
#19 n-Tetratriacontane (C34)

R.T.: 19.153 min
Delta R.T.: 0.005 min
Response: 4685620
Conc: 31.77 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.890 min
Delta R.T.: 0.004 min
Response: 4290092
Conc: 35.06 ug/ml



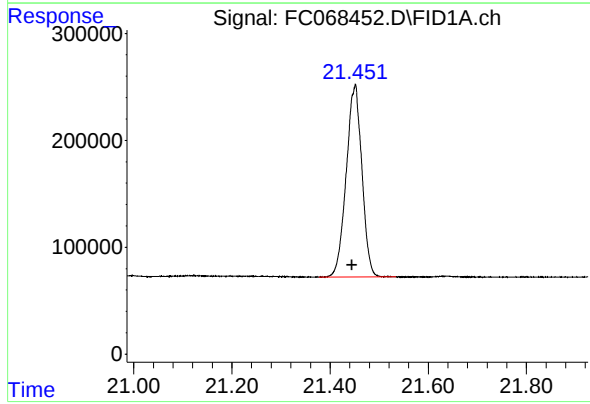
#21 n-Octatriacontane (C38)

R.T.: 20.602 min
Delta R.T.: 0.006 min
Response: 4172916
Conc: 38.86 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.450 min
Delta R.T.: 0.006 min
Response: 3982395
Conc: 40.63 ug/ml