

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC033125AL\
 Data File : FC068453.D
 Signal(s) : FID1A.ch
 Acq On : 31 Mar 2025 18:53
 Operator : YP/AJ
 Sample : Q1674-01MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 RT5358MSD

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 03:19:53 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	6691900	33.690 ug/ml
Spiked Amount 50.000		Recovery =	67.38%
12) S 1-chlorooctadecane (S...	12.829	4963718	33.297 ug/ml
Spiked Amount 50.000		Recovery =	66.59%
Target Compounds			
1) T n-Nonane (C9)	3.196	4164155	26.035 ug/ml
2) T n-Decane (C10)	4.253	4713418	29.076 ug/ml
3) T A~Naphthalene (C11.7)	5.818	5662211	32.048 ug/ml
4) T n-Dodecane (C12)	6.261	5320665	32.264 ug/ml
5) T A~2-methylnaphthalene...	6.870	5483987	32.241 ug/ml
6) T n-Tetradecane (C14)	8.050	5842384	35.508 ug/ml
7) T n-Hexadecane (C16)	9.644	6295518	36.634 ug/ml
8) T n-Octadecane (C18)	11.083	6253937	35.630 ug/ml
10) T n-Eicosane (C20)	12.389	6333667	36.982 ug/ml
11) T n-Heneicosane (C21)	12.999	5944431	35.438 ug/ml
13) T n-Docosane (C22)	13.584	5826101	34.535 ug/ml
14) T n-Tetracosane (C24)	14.642	11600086	67.733 ug/mlm
15) T n-Hexacosane (C26)	15.705	5407963	32.132 ug/ml
16) T n-Octacosane (C28)	16.652	5181094	30.985 ug/ml
17) T n-Tricontane (C30)	17.540	5055938	28.998 ug/ml
18) T n-Dotriacontane (C32)	18.369	4838876	28.905 ug/ml
19) T n-Tetratriacontane (C34)	19.152	4729510	32.065 ug/ml
20) T n-Hexatriacontane (C36)	19.891	4355424	35.589 ug/ml
21) T n-Octatriacontane (C38)	20.601	4252455	39.600 ug/ml
22) T n-Tetracontane (C40)	21.450	4072472	41.553 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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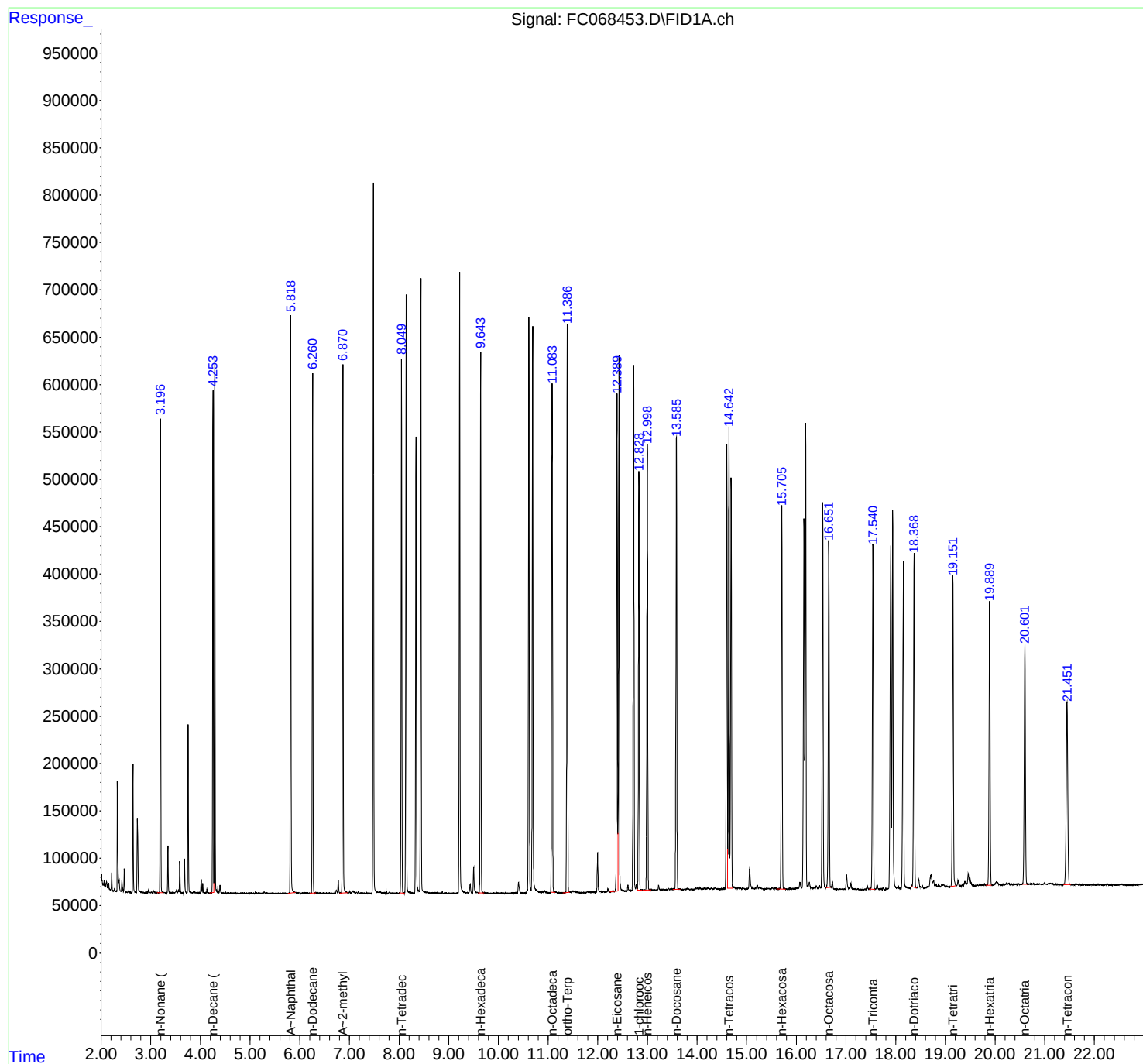
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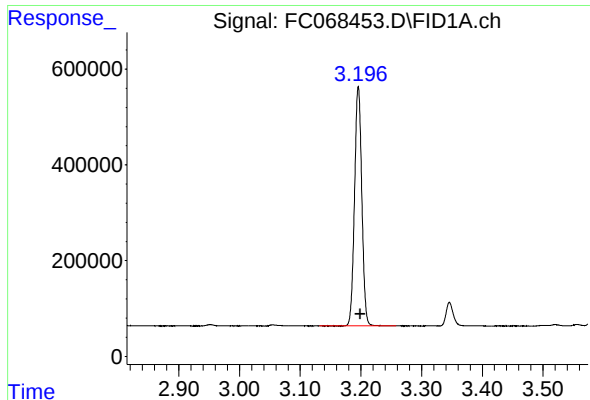
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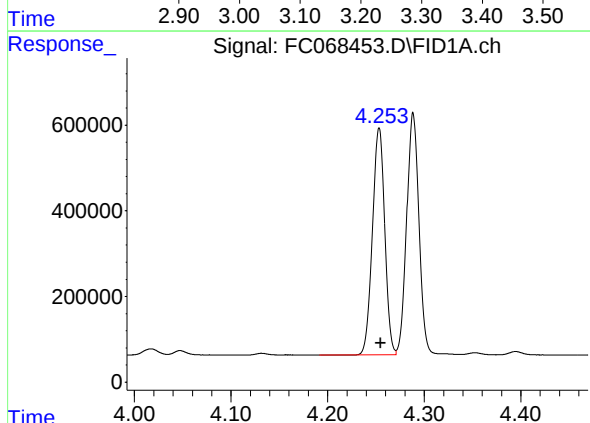
#1 n-Nonane (C9)

R.T.: 3.196 min
Delta R.T.: -0.003 min
Response: 4164155
Conc: 26.04 ug/ml

Instrument :
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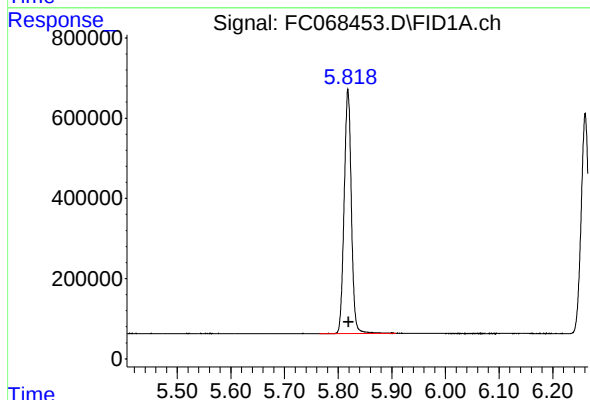
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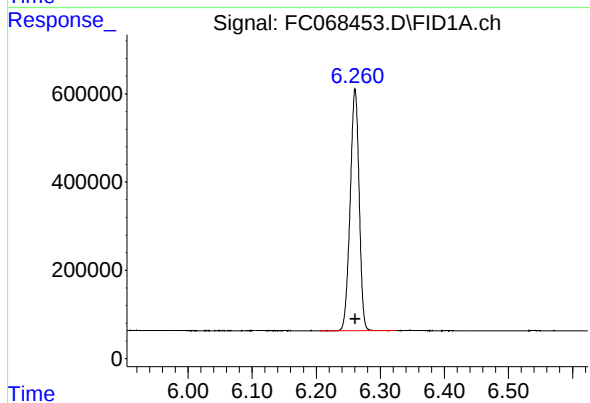
#2 n-Decane (C10)

R.T.: 4.253 min
Delta R.T.: -0.001 min
Response: 4713418
Conc: 29.08 ug/ml



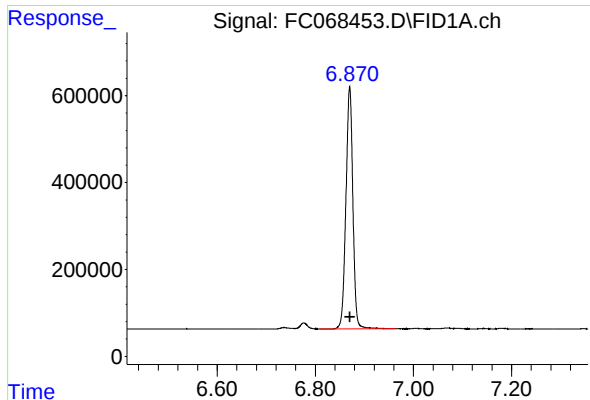
#3 A~Naphthalene (C11.7)

R.T.: 5.818 min
Delta R.T.: 0.000 min
Response: 5662211
Conc: 32.05 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.261 min
Delta R.T.: 0.000 min
Response: 5320665
Conc: 32.26 ug/ml



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

R.T.: 6.870 min
Delta R.T.: 0.000 min
Response: 5483987
Conc: 32.24 ug/ml

Instrument :

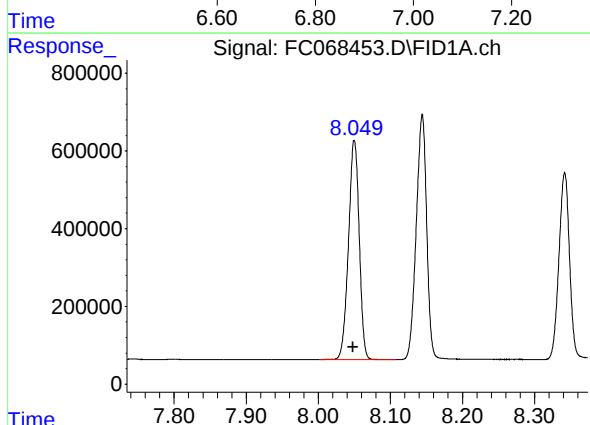
FID_C

ClientSampleId :

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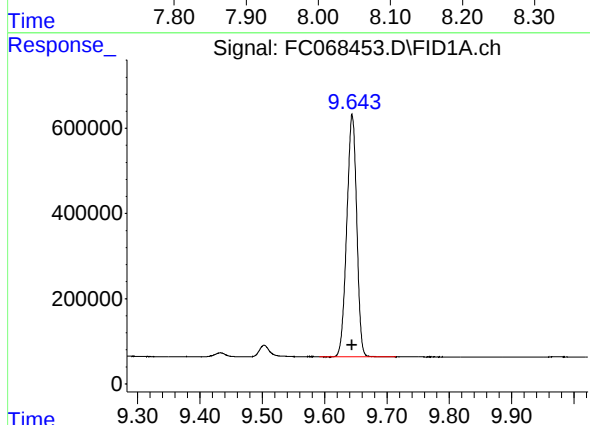
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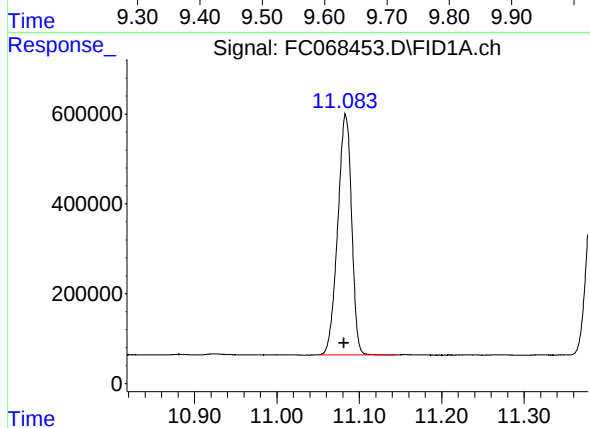
#6 n-Tetradecane (C14)

R.T.: 8.050 min
Delta R.T.: 0.002 min
Response: 5842384
Conc: 35.51 ug/ml



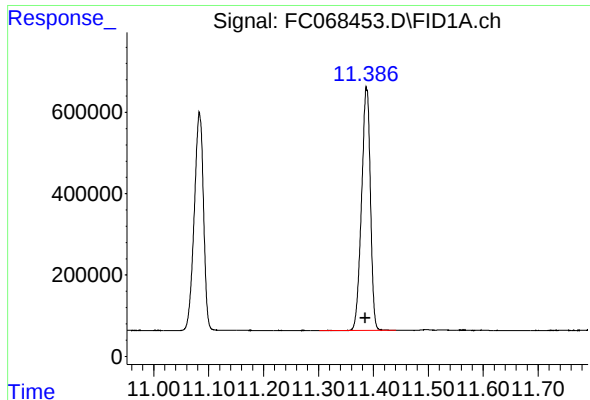
#7 n-Hexadecane (C16)

R.T.: 9.644 min
Delta R.T.: 0.000 min
Response: 6295518
Conc: 36.63 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.083 min
Delta R.T.: 0.002 min
Response: 6253937
Conc: 35.63 ug/ml



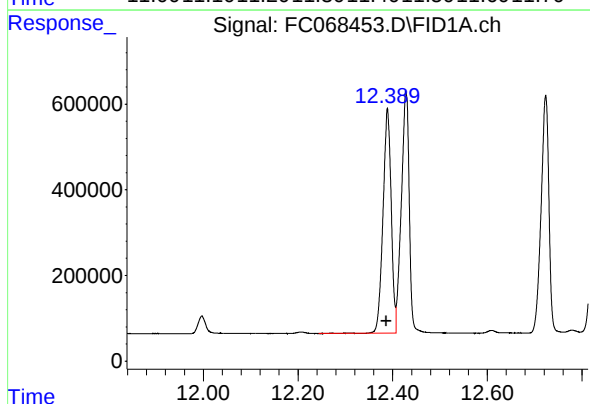
#9 ortho-Terphenyl (SURR)

R.T.: 11.388 min
Delta R.T.: 0.003 min
Response: 6691900
Conc: 33.69 ug/ml

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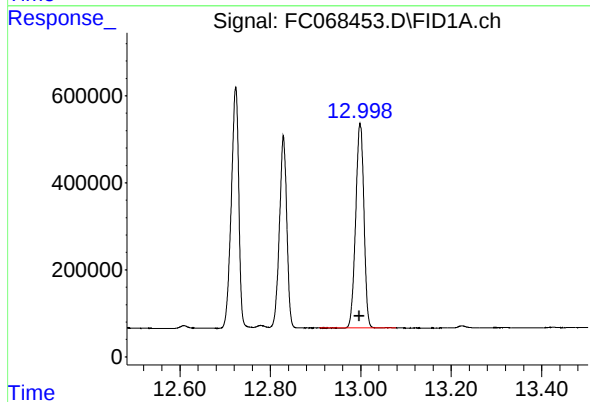
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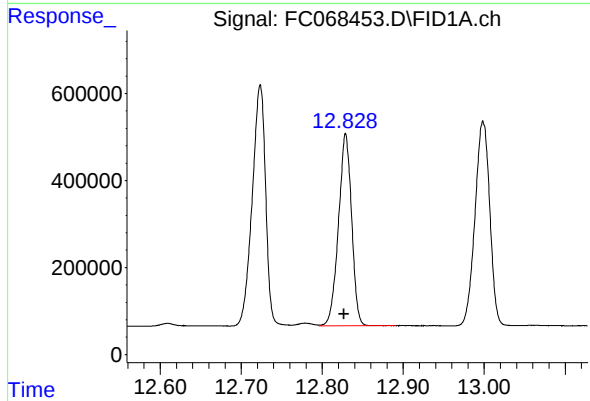
#10 n-Eicosane (C20)

R.T.: 12.389 min
Delta R.T.: 0.003 min
Response: 6333667
Conc: 36.98 ug/ml



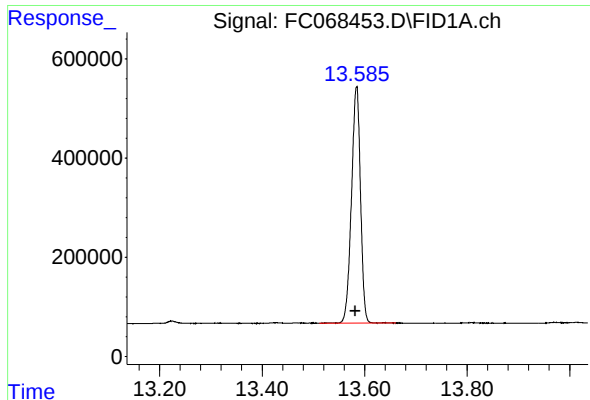
#11 n-Heneicosane (C21)

R.T.: 12.999 min
Delta R.T.: 0.002 min
Response: 5944431
Conc: 35.44 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.829 min
Delta R.T.: 0.002 min
Response: 4963718
Conc: 33.30 ug/ml



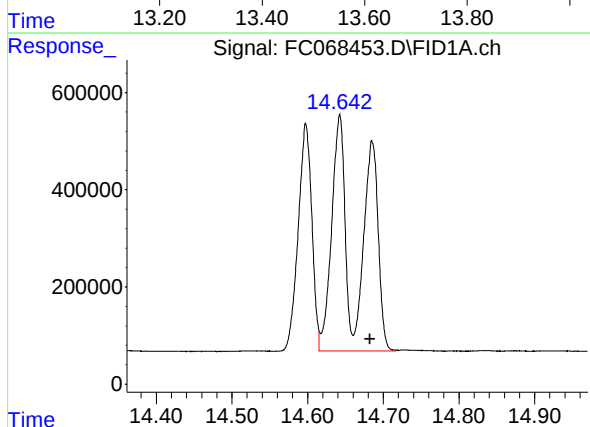
#13 n-Docosane (C22)

R.T.: 13.584 min
Delta R.T.: 0.002 min
Response: 5826101
Conc: 34.54 ug/ml

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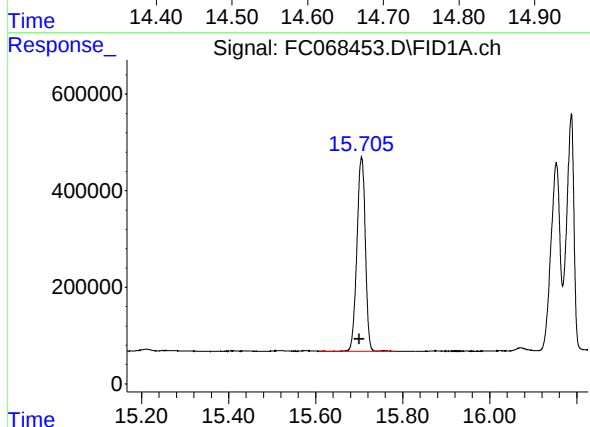
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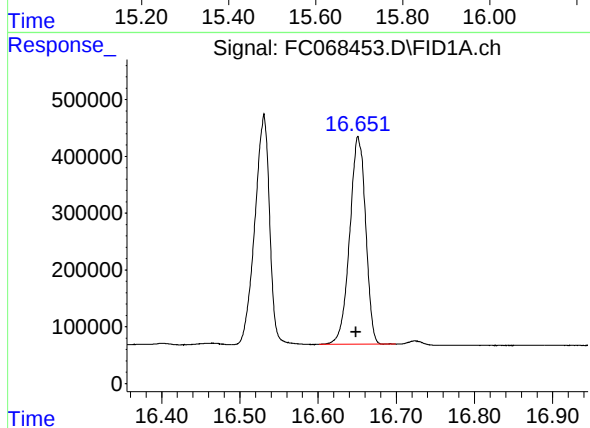
#14 n-Tetracosane (C24)

R.T.: 14.642 min
Delta R.T.: -0.040 min
Response: 11600086
Conc: 67.73 ug/ml m



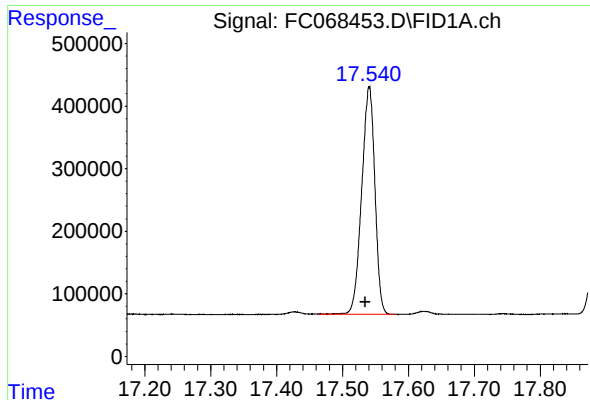
#15 n-Hexacosane (C26)

R.T.: 15.705 min
Delta R.T.: 0.005 min
Response: 5407963
Conc: 32.13 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.652 min
Delta R.T.: 0.003 min
Response: 5181094
Conc: 30.99 ug/ml



#17 n-Tricontane (C30)

R.T.: 17.540 min
Delta R.T.: 0.006 min
Response: 5055938
Conc: 29.00 ug/ml

Instrument :

FID_C

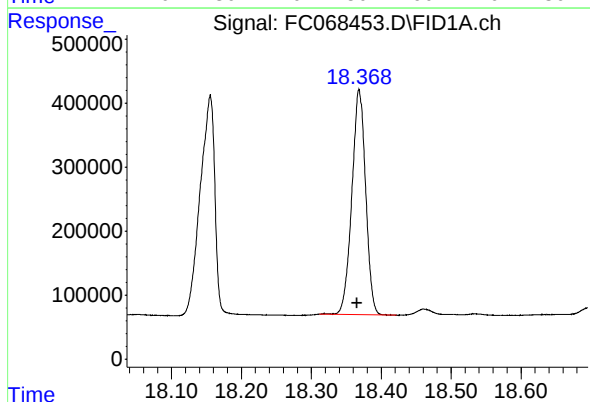
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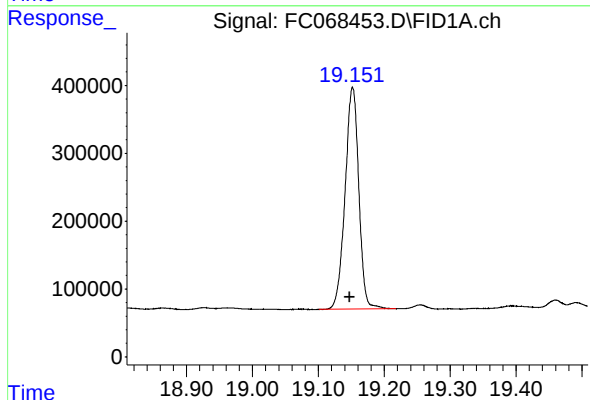
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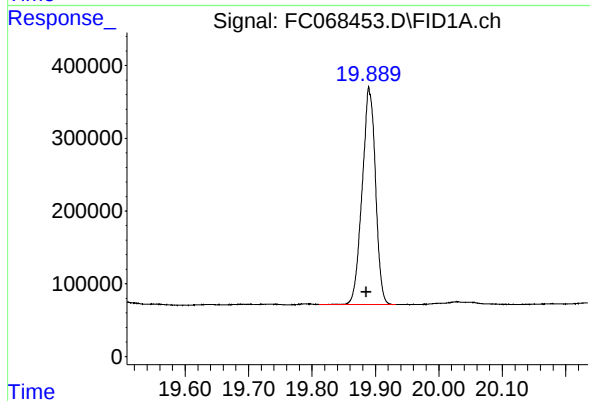
#18 n-Dotriacontane (C32)

R.T.: 18.369 min
Delta R.T.: 0.003 min
Response: 4838876
Conc: 28.91 ug/ml



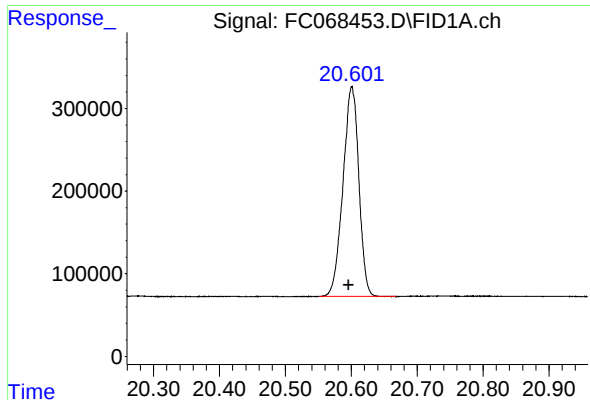
#19 n-Tetratriacontane (C34)

R.T.: 19.152 min
Delta R.T.: 0.005 min
Response: 4729510
Conc: 32.06 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.891 min
Delta R.T.: 0.005 min
Response: 4355424
Conc: 35.59 ug/ml



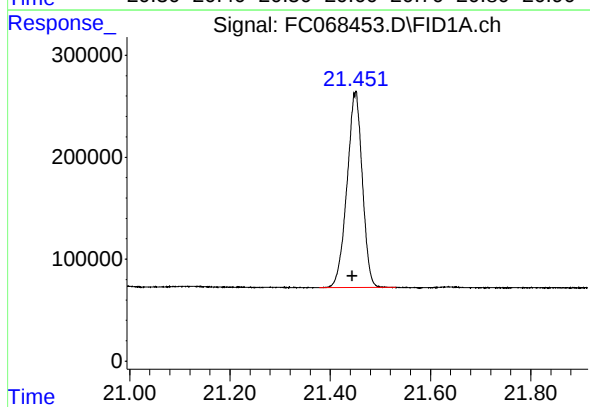
#21 n-Octatriacontane (C38)

R.T.: 20.601 min
Delta R.T.: 0.005 min
Response: 4252455
Conc: 39.60 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.450 min
Delta R.T.: 0.006 min
Response: 4072472
Conc: 41.55 ug/ml