

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F121824AL\
 Data File : FC068041.D
 Signal(s) : FID1A.ch
 Acq On : 18 Dec 2024 11:08
 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 12/19/2024
 Supervised By :Ankita Jodhani 12/19/2024

Integration File: autoint1.e
 Quant Time: Dec 18 11:58:19 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 10 07:59:10 2024
 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)	11.434	3290931	19.032 ug/ml
Spiked Amount 50.000		Recovery =	38.06%
12) S 1-chlorooctadecane (S...	12.876	2437809	19.106 ug/ml
Spiked Amount 50.000		Recovery =	38.21%
Target Compounds			
1) T n-Nonane (C9)	3.225	3057621	19.680 ug/ml
2) T n-Decane (C10)	4.285	3134858	19.775 ug/ml
3) T A~Naphthalene (C11.7)	5.857	3419282	19.586 ug/ml
4) T n-Dodecane (C12)	6.298	3152744	19.580 ug/ml
5) T A~2-methylnaphthalene...	6.911	3278403	19.567 ug/ml
6) T n-Tetradecane (C14)	8.089	3086025	19.409 ug/ml
7) T n-Hexadecane (C16)	9.687	3127558	19.359 ug/ml
8) T n-Octadecane (C18)	11.126	3074982	19.154 ug/ml
10) T n-Eicosane (C20)	12.434	2875884	19.118 ug/ml
11) T n-Heneicosane (C21)	13.045	2791046	19.102 ug/ml
13) T n-Docosane (C22)	13.629	2748066	19.198 ug/ml
14) T n-Tetracosane (C24)	14.731	2702133	19.447 ug/ml
15) T n-Hexacosane (C26)	15.750	2643633	19.768 ug/ml
16) T n-Octacosane (C28)	16.697	2725192	21.010 ug/ml
17) T n-Tricontane (C30)	17.584	2950746	22.778 ug/ml
18) T n-Dotriacontane (C32)	18.416	2991718	24.149 ug/ml
19) T n-Tetratriacontane (C34)	19.199	2555644	23.414 ug/ml
20) T n-Hexatriacontane (C36)	19.937	2174002	22.979 ug/ml
21) T n-Octatriacontane (C38)	20.653	1955719	21.619 ug/ml
22) T n-Tetracontane (C40)	21.520	1830639	20.770 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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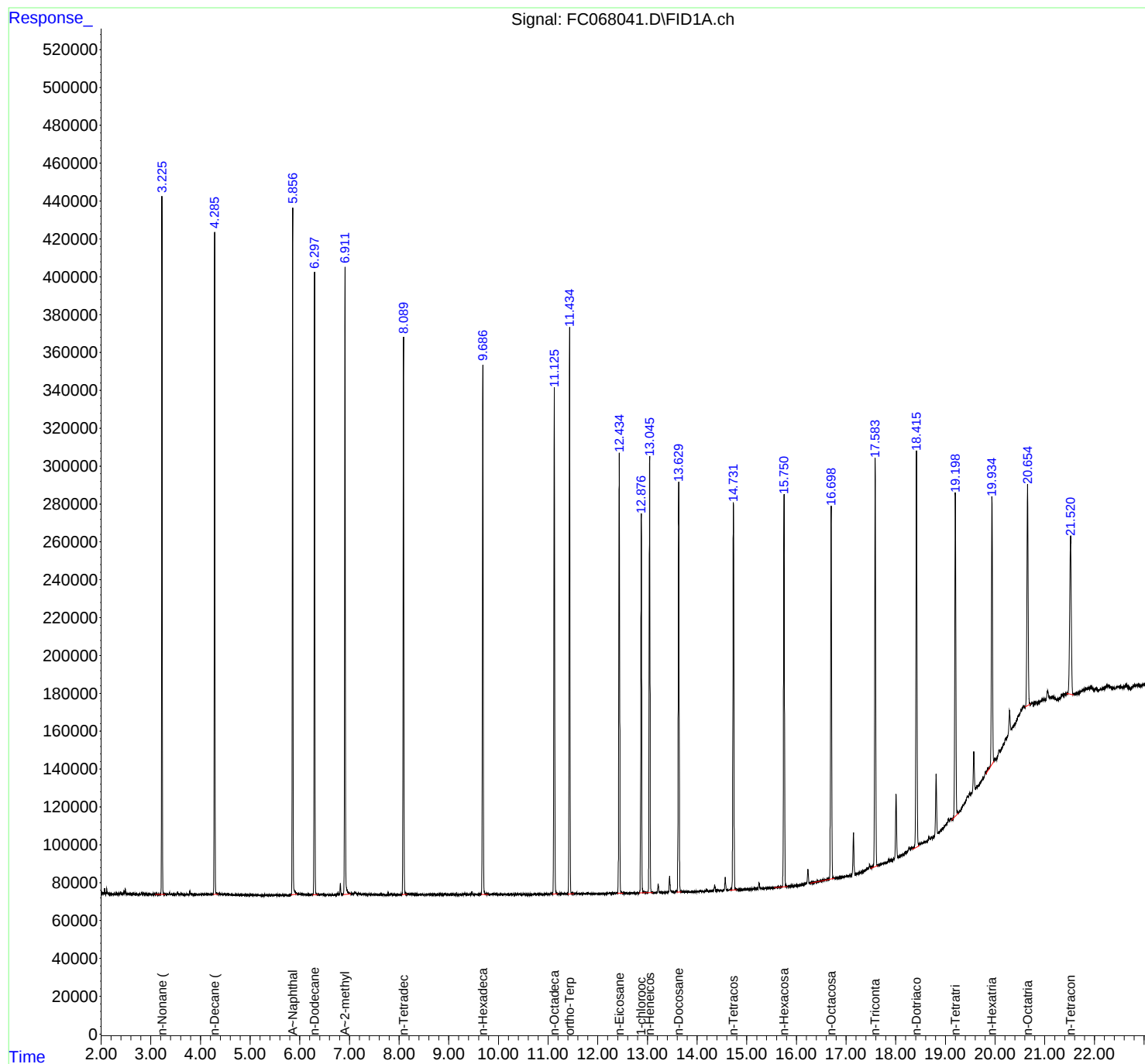
Instrument :
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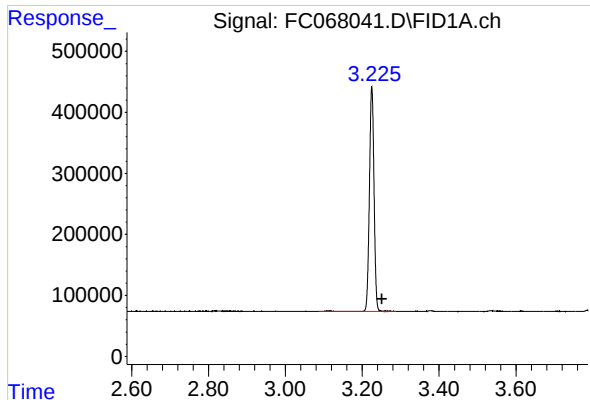
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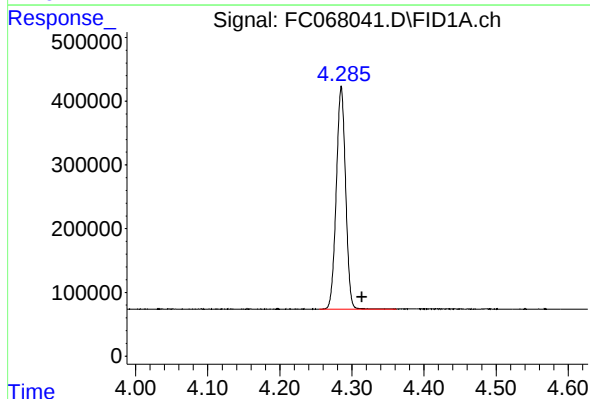
#1 n-Nonane (C9)

R.T.: 3.225 min
Delta R.T.: -0.027 min
Response: 3057621
Conc: 19.68 ug/ml

Instrument : FID_C
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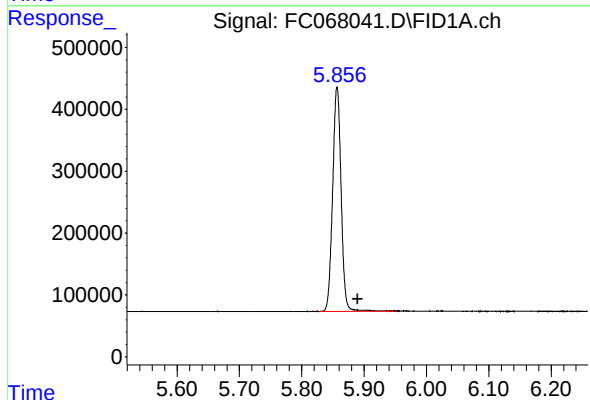
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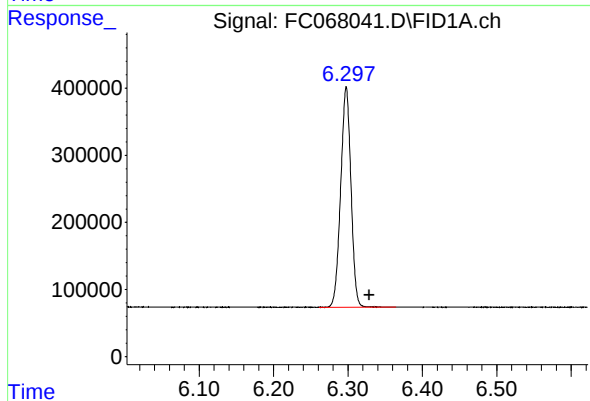
#2 n-Decane (C10)

R.T.: 4.285 min
Delta R.T.: -0.029 min
Response: 3134858
Conc: 19.78 ug/ml



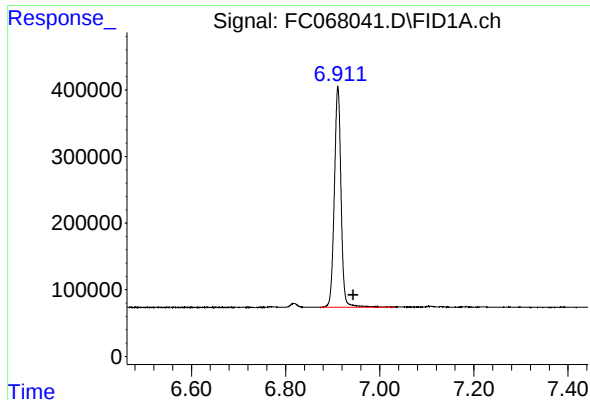
#3 A~Naphthalene (C11.7)

R.T.: 5.857 min
Delta R.T.: -0.033 min
Response: 3419282
Conc: 19.59 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.298 min
Delta R.T.: -0.031 min
Response: 3152744
Conc: 19.58 ug/ml



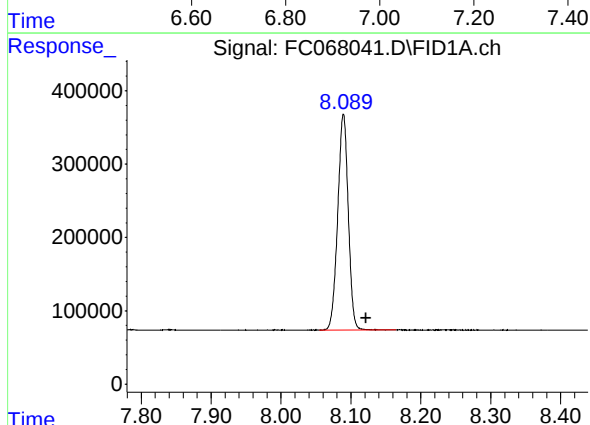
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.911 min
Delta R.T.: -0.033 min
Response: 3278403
Conc: 19.57 ug/ml

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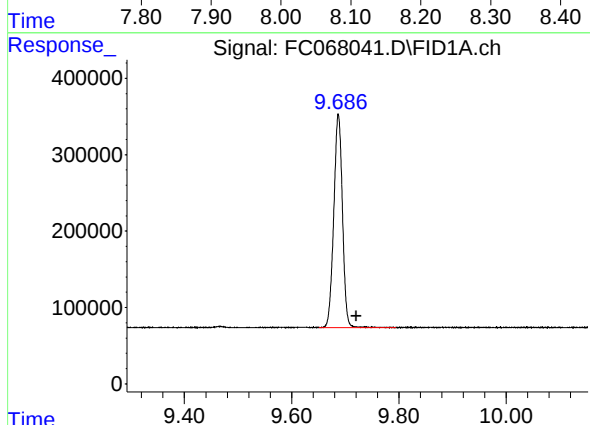
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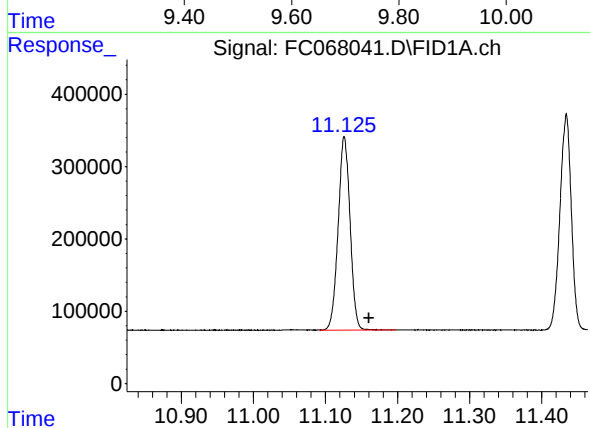
#6 n-Tetradecane (C14)

R.T.: 8.089 min
Delta R.T.: -0.032 min
Response: 3086025
Conc: 19.41 ug/ml



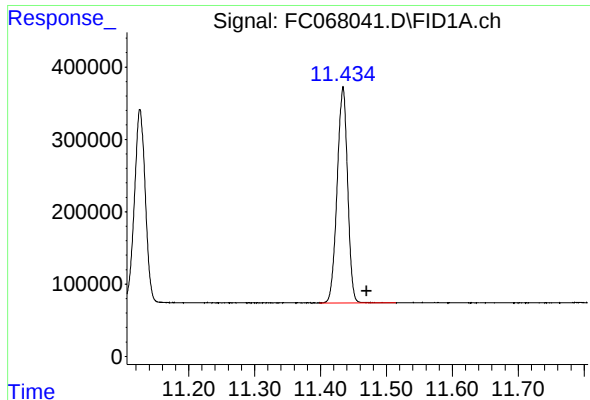
#7 n-Hexadecane (C16)

R.T.: 9.687 min
Delta R.T.: -0.033 min
Response: 3127558
Conc: 19.36 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.126 min
Delta R.T.: -0.034 min
Response: 3074982
Conc: 19.15 ug/ml



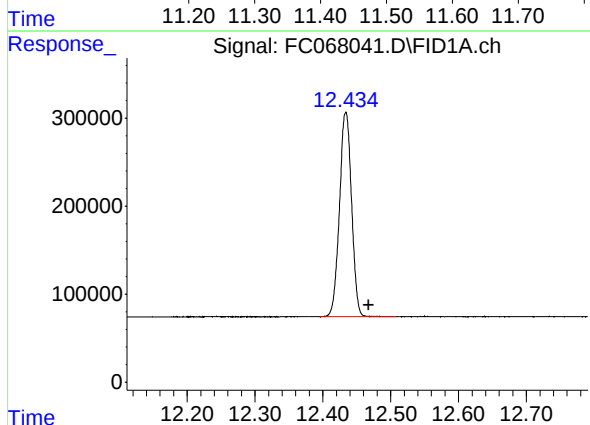
#9 ortho-Terphenyl (SURR)

R.T.: 11.434 min
Delta R.T.: -0.036 min
Response: 3290931
Conc: 19.03 ug/ml

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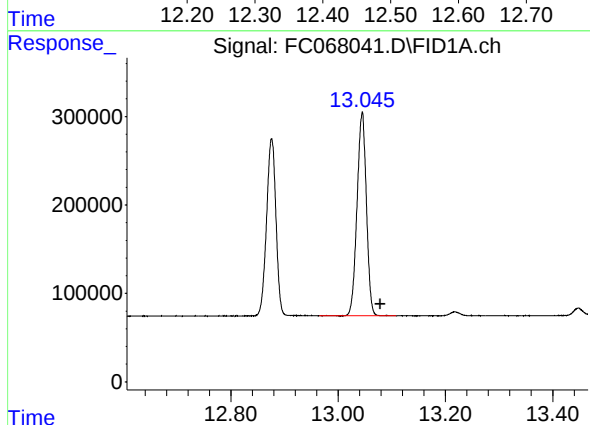
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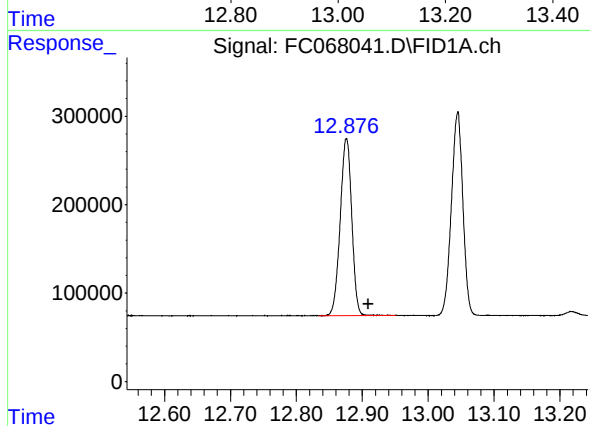
#10 n-Eicosane (C20)

R.T.: 12.434 min
Delta R.T.: -0.033 min
Response: 2875884
Conc: 19.12 ug/ml



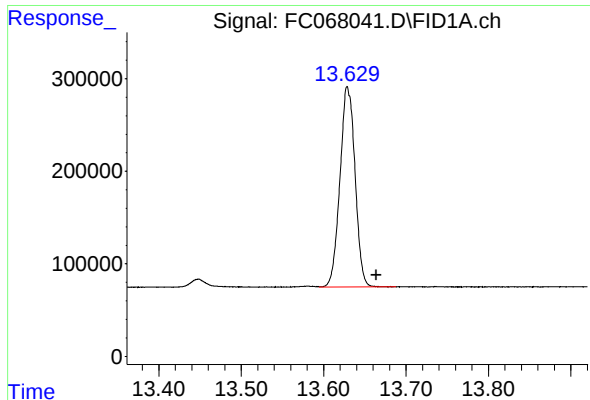
#11 n-Heneicosane (C21)

R.T.: 13.045 min
Delta R.T.: -0.034 min
Response: 2791046
Conc: 19.10 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.876 min
Delta R.T.: -0.033 min
Response: 2437809
Conc: 19.11 ug/ml



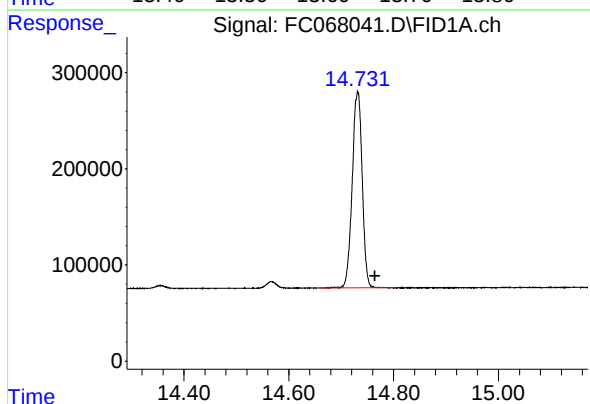
#13 n-Docosane (C22)

R.T.: 13.629 min
Delta R.T.: -0.035 min
Response: 2748066
Conc: 19.20 ug/ml

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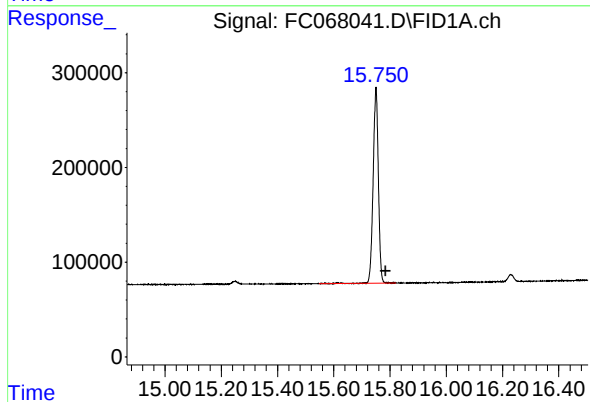
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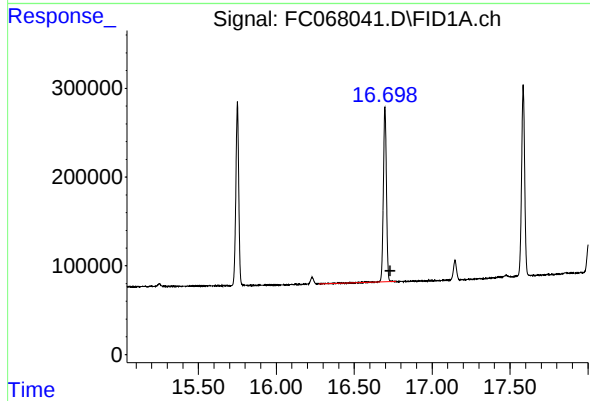
#14 n-Tetracosane (C24)

R.T.: 14.731 min
Delta R.T.: -0.033 min
Response: 2702133
Conc: 19.45 ug/ml



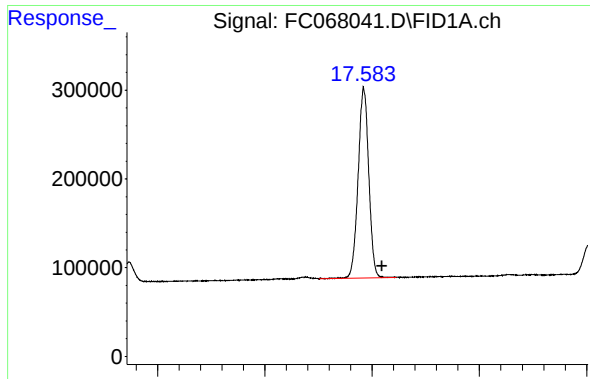
#15 n-Hexacosane (C26)

R.T.: 15.750 min
Delta R.T.: -0.035 min
Response: 2643633
Conc: 19.77 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.697 min
Delta R.T.: -0.036 min
Response: 2725192
Conc: 21.01 ug/ml



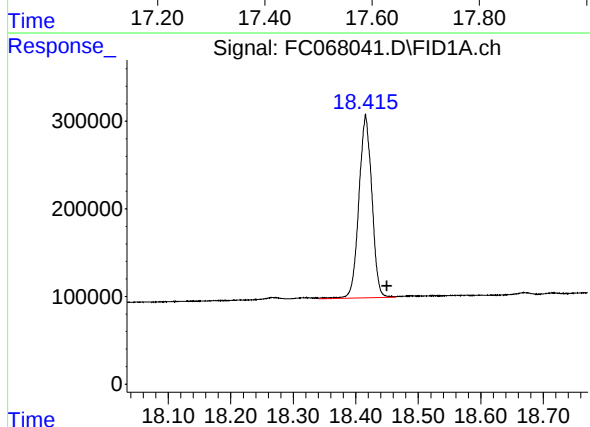
#17 n-Tricontane (C30)

R.T.: 17.584 min
Delta R.T.: -0.034 min
Response: 2950746
Conc: 22.78 ug/ml

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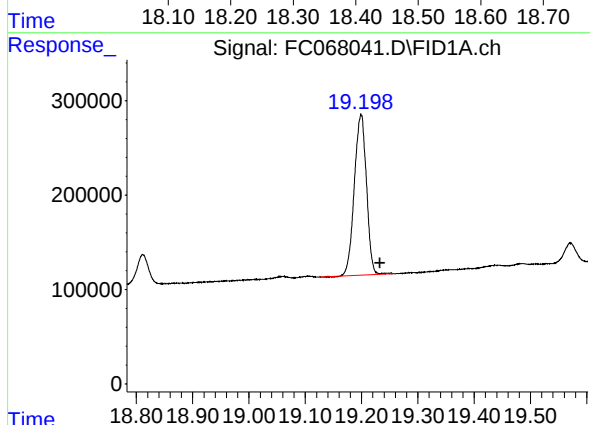
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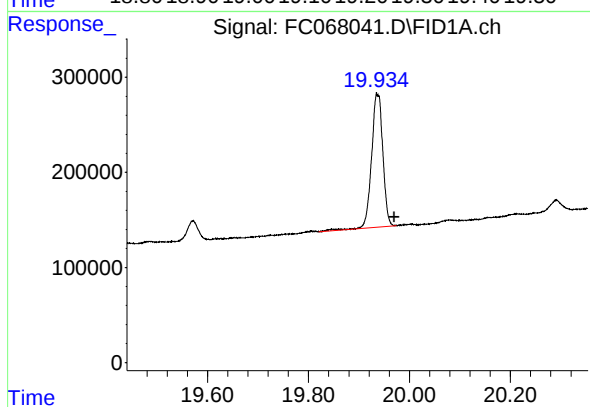
#18 n-Dotriacontane (C32)

R.T.: 18.416 min
Delta R.T.: -0.034 min
Response: 2991718
Conc: 24.15 ug/ml



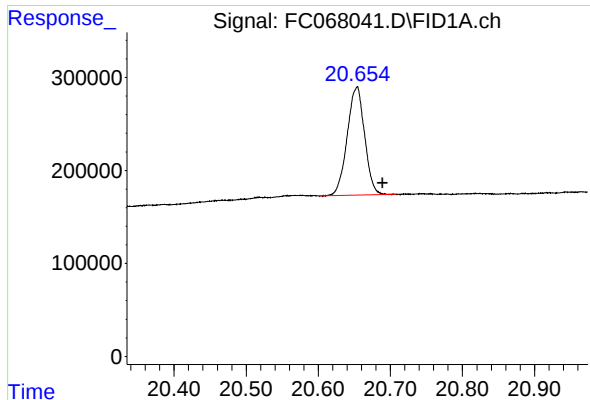
#19 n-Tetatriacontane (C34)

R.T.: 19.199 min
Delta R.T.: -0.034 min
Response: 2555644
Conc: 23.41 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.937 min
Delta R.T.: -0.033 min
Response: 2174002
Conc: 22.98 ug/ml



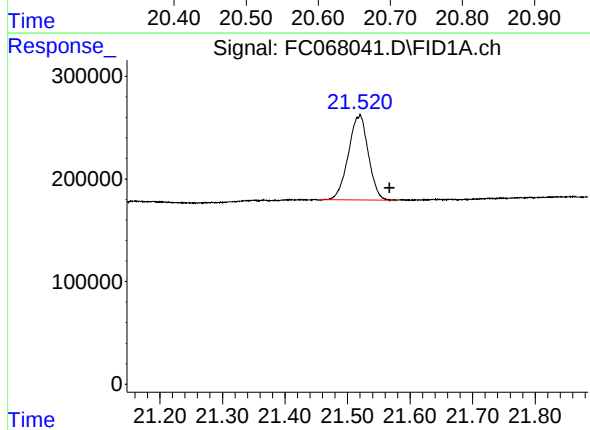
#21 n-Octatriacontane (C38)

R.T.: 20.653 min
Delta R.T.: -0.036 min
Response: 1955719
Conc: 21.62 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.520 min
Delta R.T.: -0.048 min
Response: 1830639
Conc: 20.77 ug/ml m