

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100125AL\
 Data File : FC069891.D
 Signal(s) : FID1A.ch
 Acq On : 30 Sep 2025 22:24
 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 10/01/2025
 Supervised By :mohammad ahmed 10/03/2025

Integration File: autoint1.e
 Quant Time: Oct 01 04:15:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 092325.M
 Quant Title : GC Extractables
 Qlast Update : Tue Sep 23 14:56:40 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)	11.645	3635888	19.412 ug/ml
Spiked Amount 50.000		Recovery =	38.82%
12) S 1-chlorooctadecane (S...	13.080	2845533	18.019 ug/ml
Spiked Amount 50.000		Recovery =	36.04%
Target Compounds			
1) T n-Nonane (C9)	3.383	2654409	20.706 ug/ml
2) T n-Decane (C10)	4.455	2840005	21.373 ug/ml
3) T A~Naphthalene (C11.7)	6.048	3188826	21.481 ug/ml
4) T n-Dodecane (C12)	6.478	3030707	21.726 ug/ml
5) T A~2-methylnaphthalene...	7.107	3186194	21.580 ug/ml
6) T n-Tetradecane (C14)	8.275	3186635	21.485 ug/ml
7) T n-Hexadecane (C16)	9.879	3409574	20.661 ug/ml
8) T n-Octadecane (C18)	11.323	3493375	19.601 ug/ml
10) T n-Eicosane (C20)	12.634	3327751	18.476 ug/ml
11) T n-Heneicosane (C21)	13.245	3239557	17.966 ug/ml
13) T n-Docosane (C22)	13.833	3204138	17.637 ug/ml
14) T n-Tetracosane (C24)	14.936	3145265	17.094 ug/ml
15) T n-Hexacosane (C26)	15.958	3001326	16.531 ug/ml
16) T n-Octacosane (C28)	16.909	2932016	16.609 ug/ml
17) T n-Tricontane (C30)	17.797	3045806	17.402 ug/ml
18) T n-Dotriacontane (C32)	18.630	2889833	17.862 ug/mlm
19) T n-Tetratriacontane (C34)	19.415	2507501	17.942 ug/ml
20) T n-Hexatriacontane (C36)	20.155	1820706	16.127 ug/ml
21) T n-Octatriacontane (C38)	20.914	1470878	15.248 ug/mlm
22) T n-Tetracontane (C40)	21.864	1309734	15.207 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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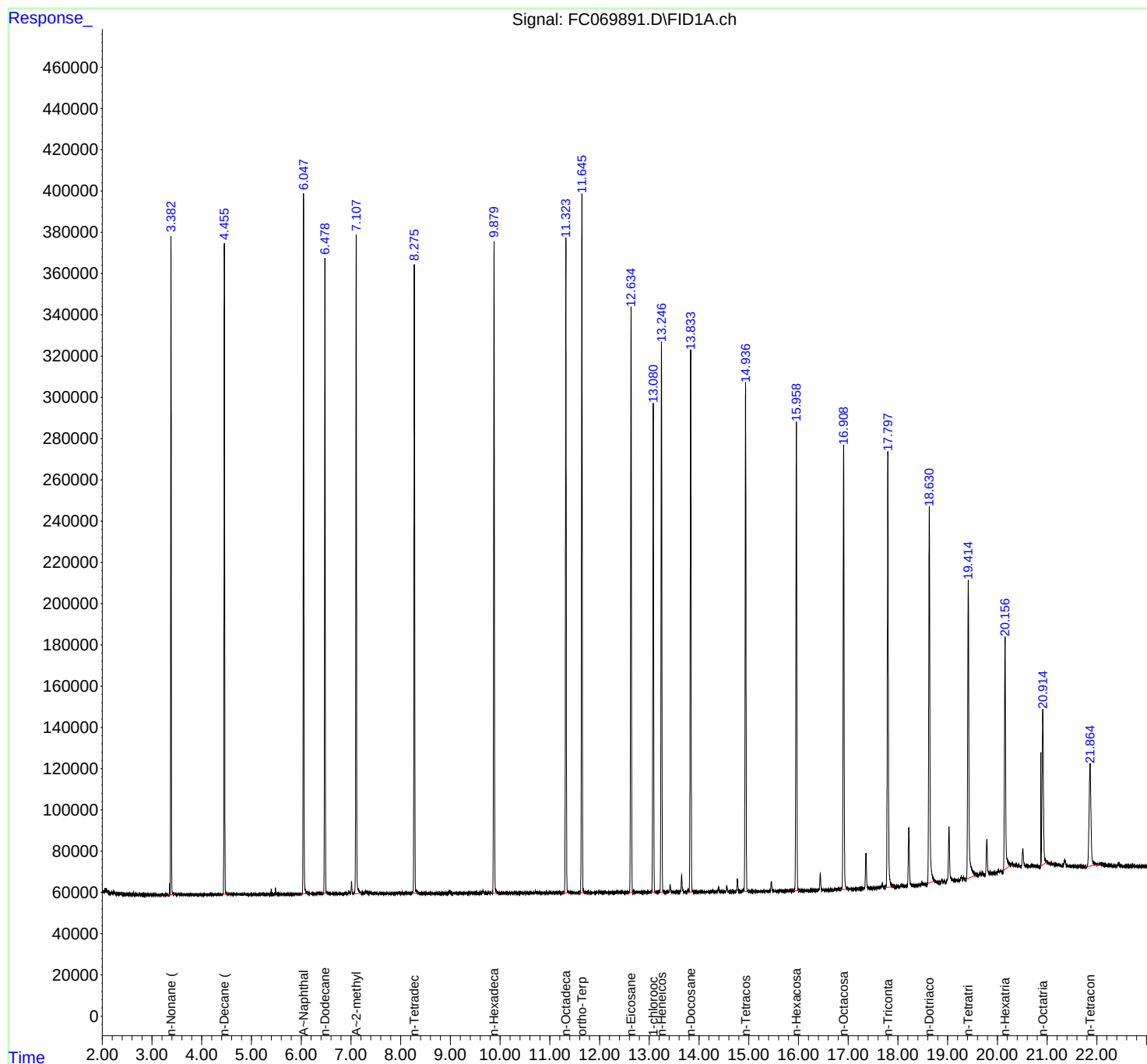
Instrument :
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20 PPM ALIPHATIC HC STD

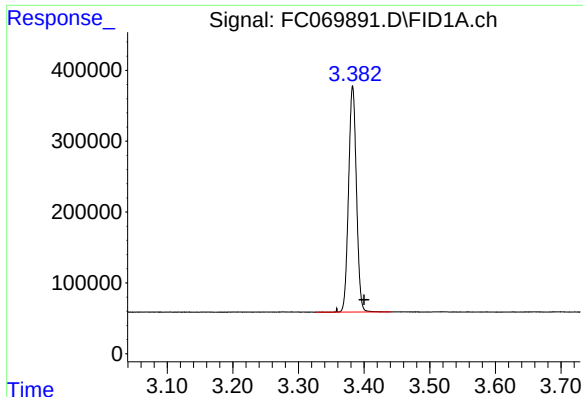
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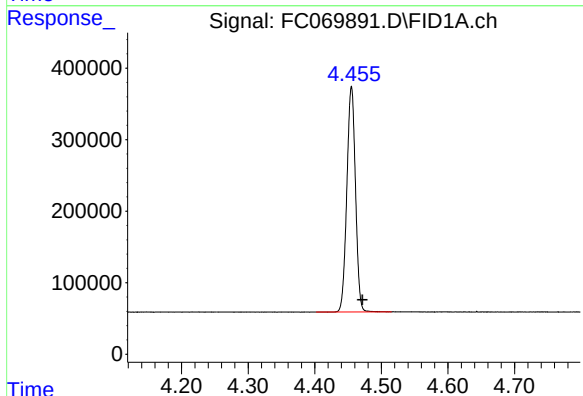
#1 n-Nonane (C9)

R.T.: 3.383 min
Delta R.T.: -0.017 min
Response: 2654409
Conc: 20.71 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

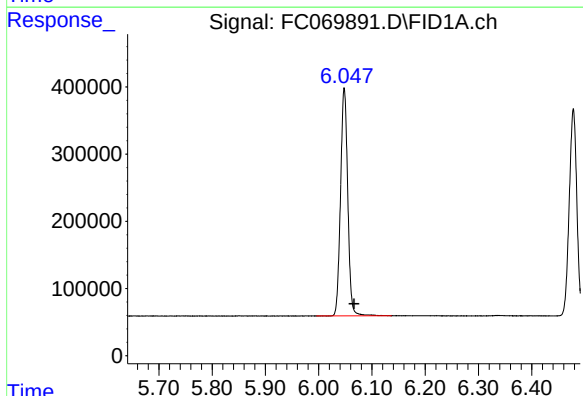
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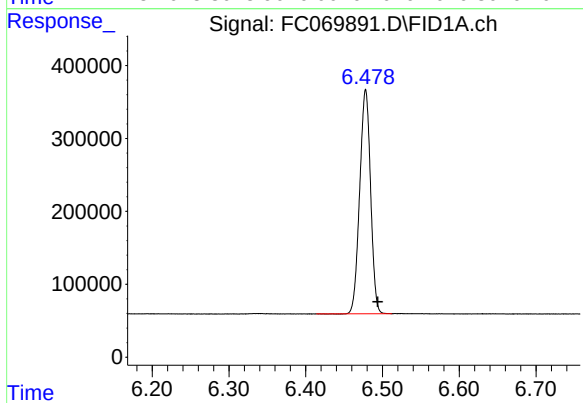
#2 n-Decane (C10)

R.T.: 4.455 min
Delta R.T.: -0.017 min
Response: 2840005
Conc: 21.37 ug/ml



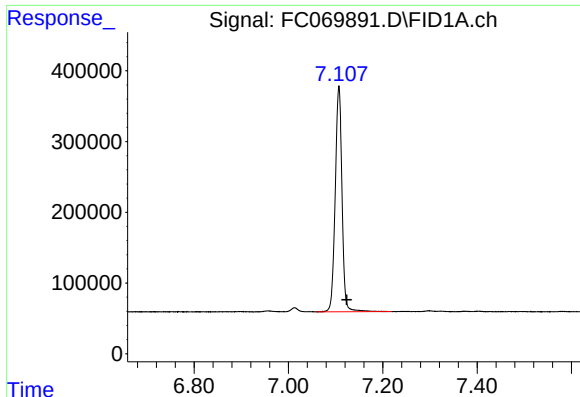
#3 A~Naphthalene (C11.7)

R.T.: 6.048 min
Delta R.T.: -0.019 min
Response: 3188826
Conc: 21.48 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.478 min
Delta R.T.: -0.016 min
Response: 3030707
Conc: 21.73 ug/ml



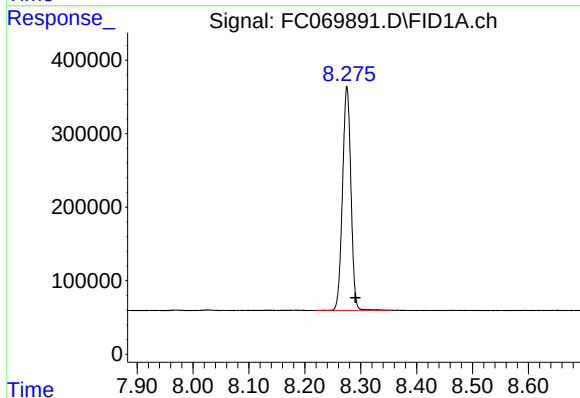
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.107 min
Delta R.T.: -0.017 min
Response: 3186194
Conc: 21.58 ug/ml

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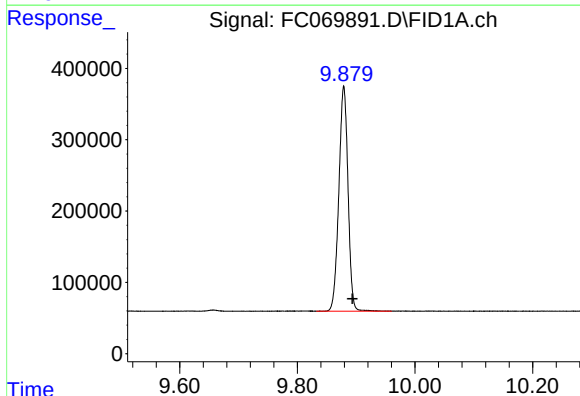
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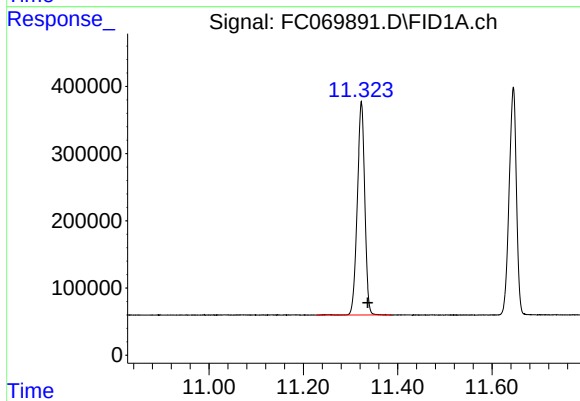
#6 n-Tetradecane (C14)

R.T.: 8.275 min
Delta R.T.: -0.015 min
Response: 3186635
Conc: 21.48 ug/ml



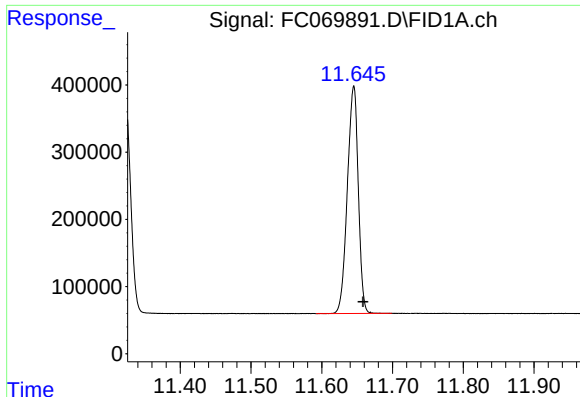
#7 n-Hexadecane (C16)

R.T.: 9.879 min
Delta R.T.: -0.015 min
Response: 3409574
Conc: 20.66 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.323 min
Delta R.T.: -0.014 min
Response: 3493375
Conc: 19.60 ug/ml



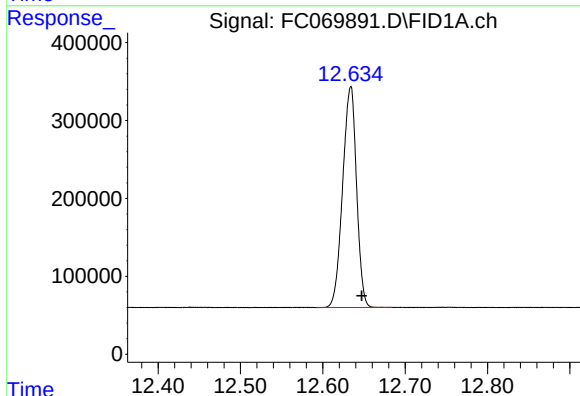
#9 ortho-Terphenyl (SURR)

R.T.: 11.645 min
Delta R.T.: -0.013 min
Response: 3635888
Conc: 19.41 ug/ml

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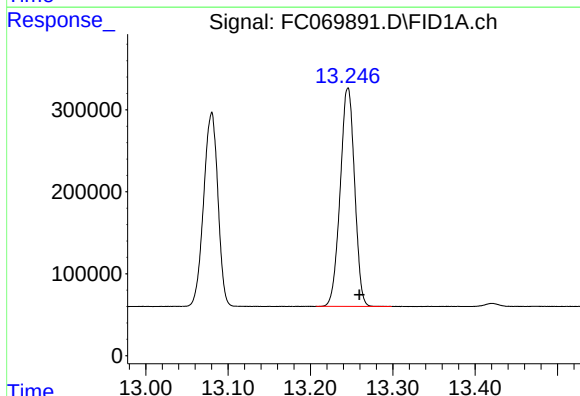
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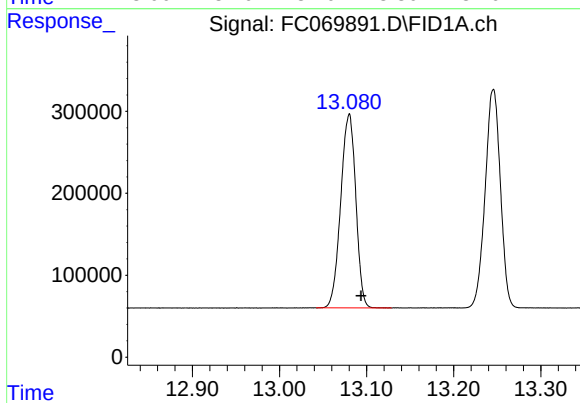
#10 n-Eicosane (C20)

R.T.: 12.634 min
Delta R.T.: -0.014 min
Response: 3327751
Conc: 18.48 ug/ml



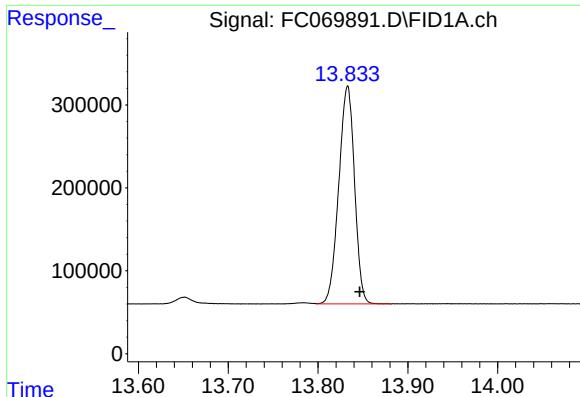
#11 n-Heneicosane (C21)

R.T.: 13.245 min
Delta R.T.: -0.014 min
Response: 3239557
Conc: 17.97 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.080 min
Delta R.T.: -0.014 min
Response: 2845533
Conc: 18.02 ug/ml



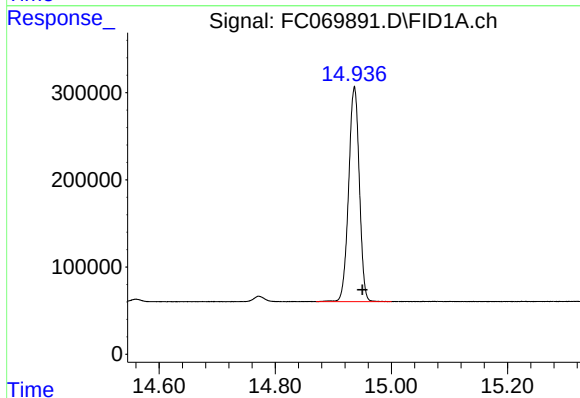
#13 n-Docosane (C22)

R.T.: 13.833 min
Delta R.T.: -0.014 min
Response: 3204138
Conc: 17.64 ug/ml

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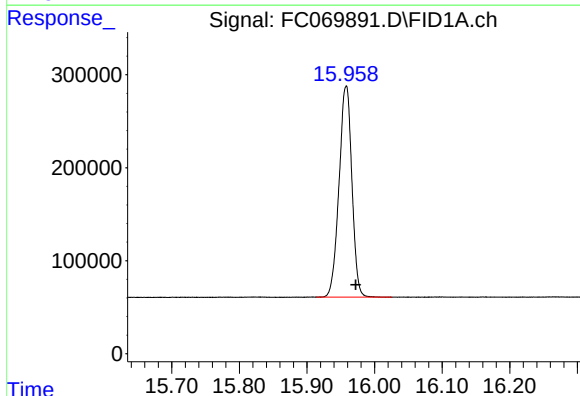
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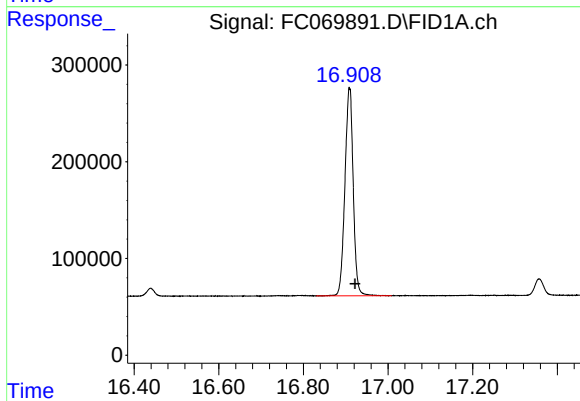
#14 n-Tetracosane (C24)

R.T.: 14.936 min
Delta R.T.: -0.014 min
Response: 3145265
Conc: 17.09 ug/ml



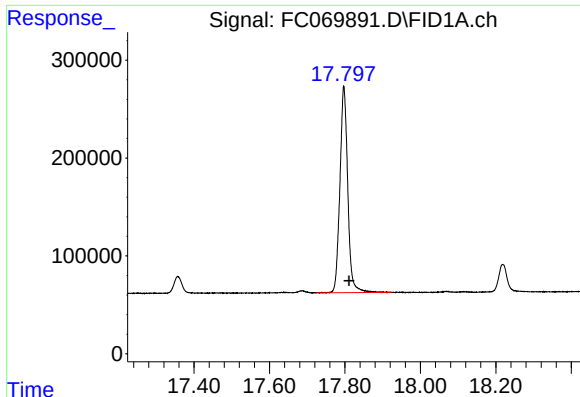
#15 n-Hexacosane (C26)

R.T.: 15.958 min
Delta R.T.: -0.015 min
Response: 3001326
Conc: 16.53 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.909 min
Delta R.T.: -0.014 min
Response: 2932016
Conc: 16.61 ug/ml



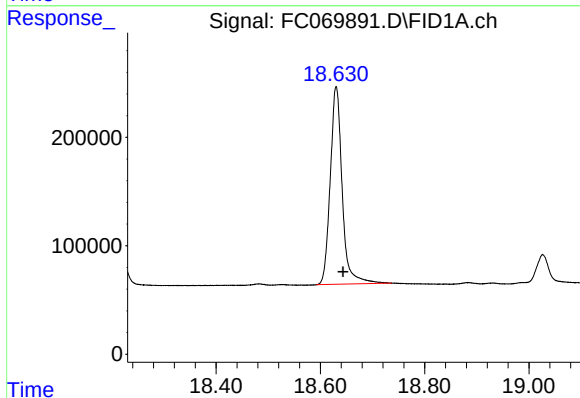
#17 n-Tricontane (C30)

R.T.: 17.797 min
Delta R.T.: -0.014 min
Response: 3045806
Conc: 17.40 ug/ml

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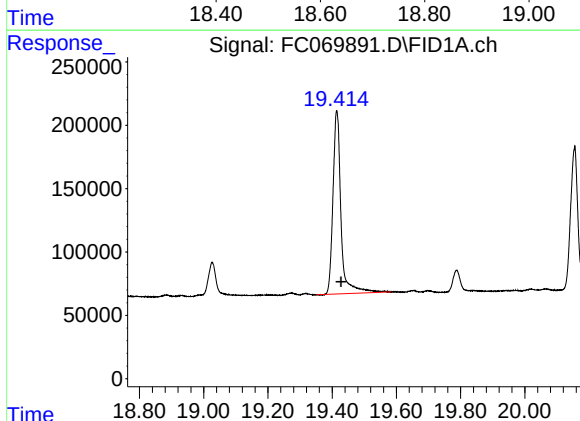
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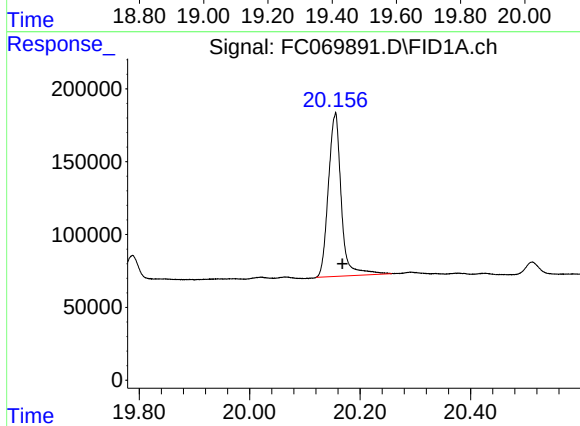
#18 n-Dotriacontane (C32)

R.T.: 18.630 min
Delta R.T.: -0.014 min
Response: 2889833
Conc: 17.86 ug/ml m



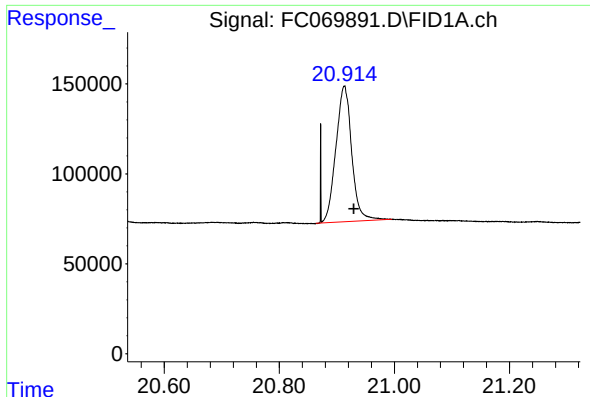
#19 n-Tetratriacontane (C34)

R.T.: 19.415 min
Delta R.T.: -0.013 min
Response: 2507501
Conc: 17.94 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.155 min
Delta R.T.: -0.014 min
Response: 1820706
Conc: 16.13 ug/ml



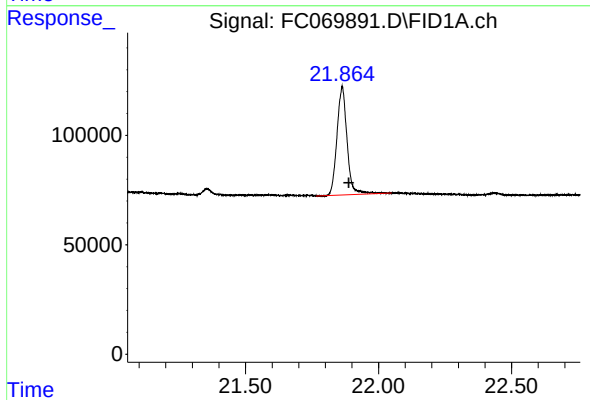
#21 n-Octatriacontane (C38)

R.T.: 20.914 min
Delta R.T.: -0.016 min
Response: 1470878
Conc: 15.25 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.864 min
Delta R.T.: -0.024 min
Response: 1309734
Conc: 15.21 ug/ml m