

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102825AL\
 Data File : FC070069.D
 Signal(s) : FID1A.ch
 Acq On : 28 Oct 2025 20:03
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/29/2025
 Supervised By :Sohil Jodhani 10/29/2025

Integration File: autoint1.e
 Quant Time: Oct 29 07:49:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 09:35:40 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)	11.639	3639258	20.724 ug/ml
Spiked Amount 50.000		Recovery =	41.45%
12) S 1-chlorooctadecane (S...	13.074	2878784	21.208 ug/ml
Spiked Amount 50.000		Recovery =	42.42%
Target Compounds			
1) T n-Nonane (C9)	3.379	2706831	19.712 ug/ml
2) T n-Decane (C10)	4.450	2917678	20.295 ug/ml
3) T A~Naphthalene (C11.7)	6.043	3228357	19.975 ug/ml
4) T n-Dodecane (C12)	6.472	3114720	20.321 ug/ml
5) T A~2-methylnaphthalene...	7.102	3184749	19.961 ug/ml
6) T n-Tetradecane (C14)	8.270	3243685	20.395 ug/ml
7) T n-Hexadecane (C16)	9.873	3460551	20.535 ug/ml
8) T n-Octadecane (C18)	11.317	3559020	20.919 ug/ml
10) T n-Eicosane (C20)	12.627	3405462	21.227 ug/ml
11) T n-Heneicosane (C21)	13.240	3309979	21.317 ug/ml
13) T n-Docosane (C22)	13.827	3296121	21.418 ug/ml
14) T n-Tetracosane (C24)	14.931	3254433	21.463 ug/ml
15) T n-Hexacosane (C26)	15.954	3120513	21.559 ug/ml
16) T n-Octacosane (C28)	16.905	3055023	22.089 ug/ml
17) T n-Tricontane (C30)	17.794	3269745	23.948 ug/ml
18) T n-Dotriacontane (C32)	18.627	3214076	24.928 ug/mlm
19) T n-Tetratriacontane (C34)	19.411	2846171	24.945 ug/mlm
20) T n-Hexatriacontane (C36)	20.152	2324139	24.032 ug/ml
21) T n-Octatriacontane (C38)	20.909	2029295	23.283 ug/ml
22) T n-Tetracontane (C40)	21.858	1823306	22.191 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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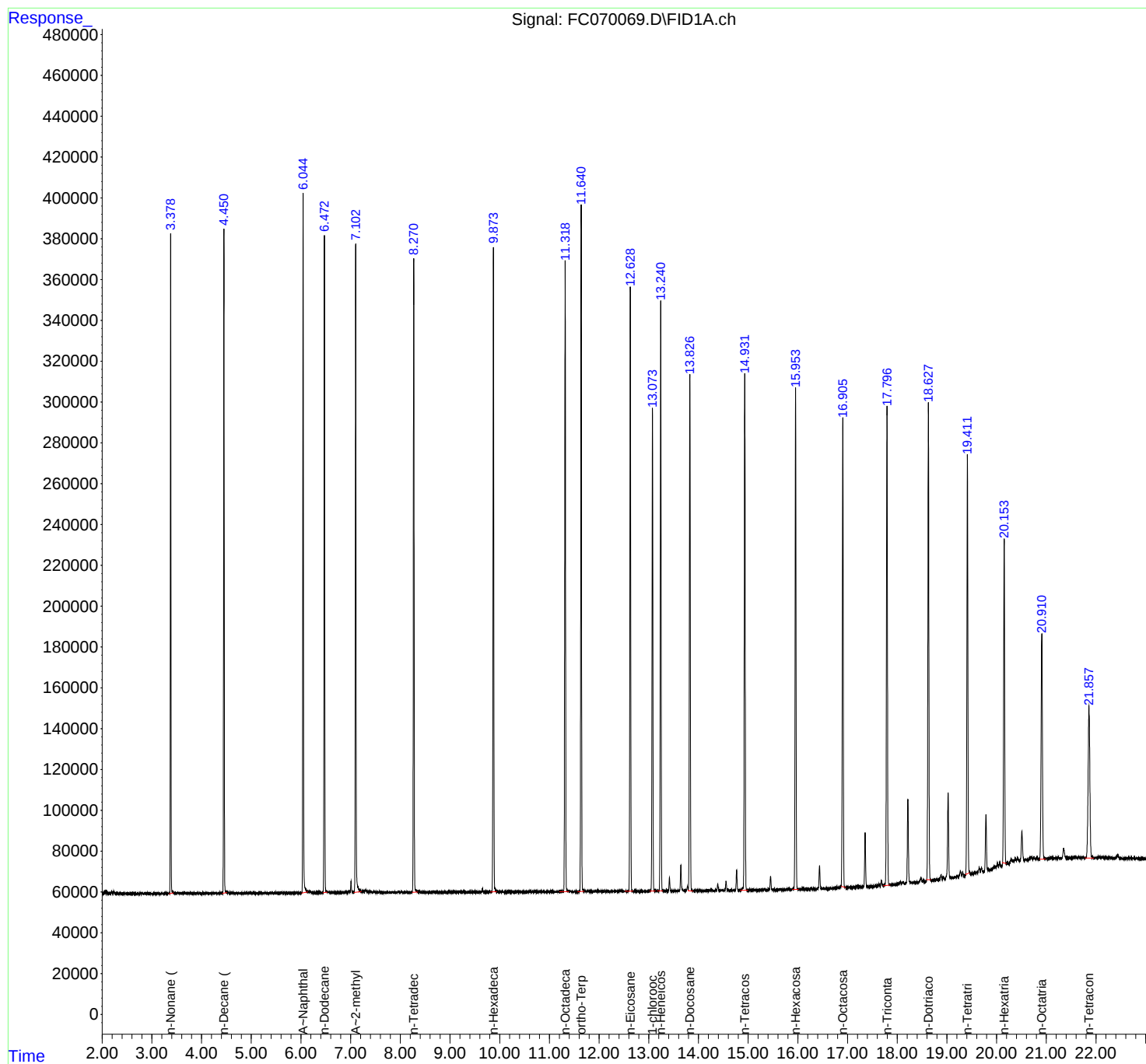
Instrument :
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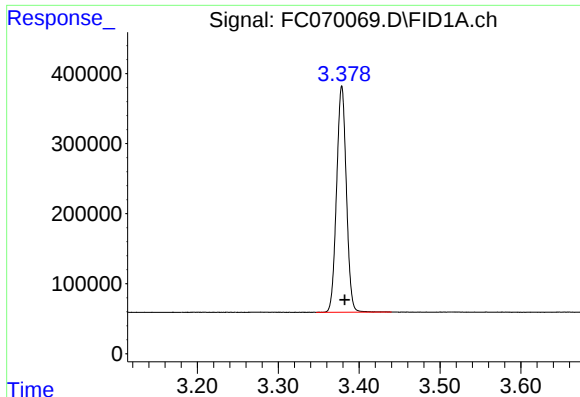
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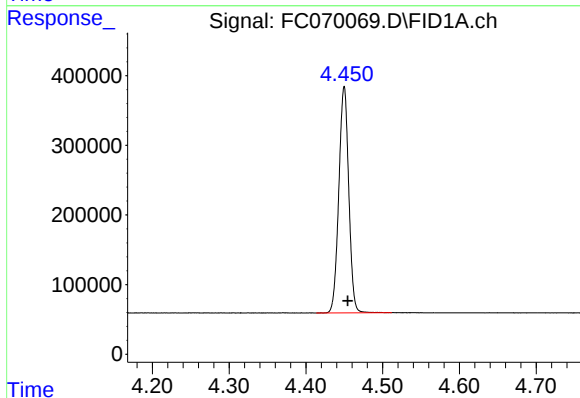
#1 n-Nonane (C9)

R.T.: 3.379 min
Delta R.T.: -0.003 min
Response: 2706831
Conc: 19.71 ug/ml

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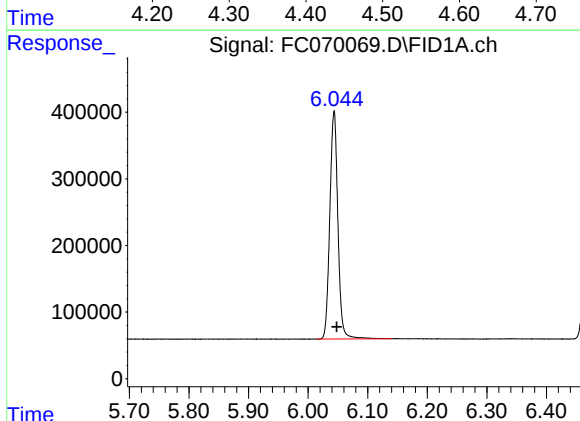
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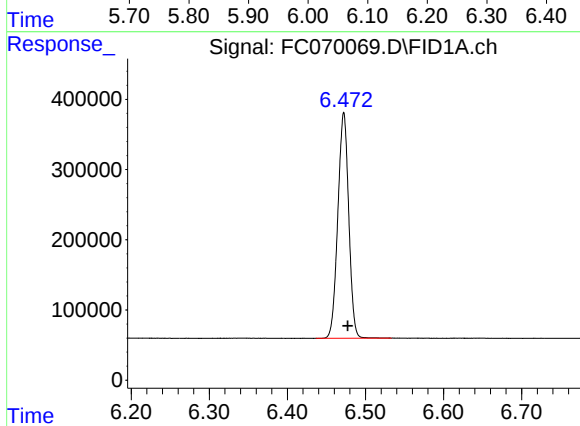
#2 n-Decane (C10)

R.T.: 4.450 min
Delta R.T.: -0.005 min
Response: 2917678
Conc: 20.30 ug/ml



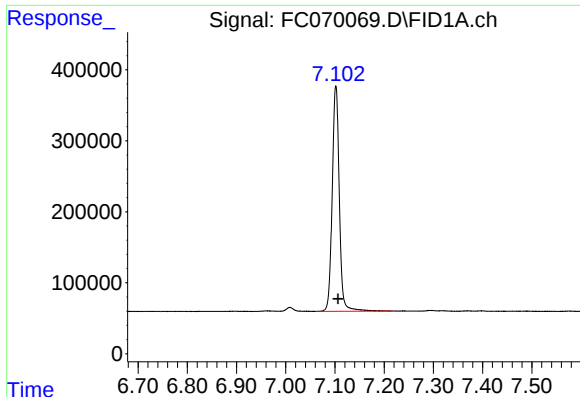
#3 A~Naphthalene (C11.7)

R.T.: 6.043 min
Delta R.T.: -0.005 min
Response: 3228357
Conc: 19.98 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.472 min
Delta R.T.: -0.005 min
Response: 3114720
Conc: 20.32 ug/ml



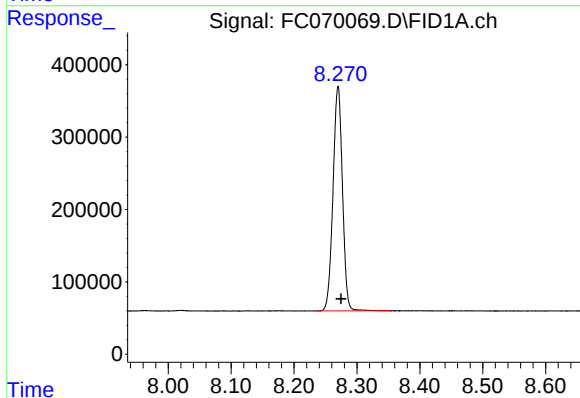
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.102 min
Delta R.T.: -0.005 min
Response: 3184749
Conc: 19.96 ug/ml

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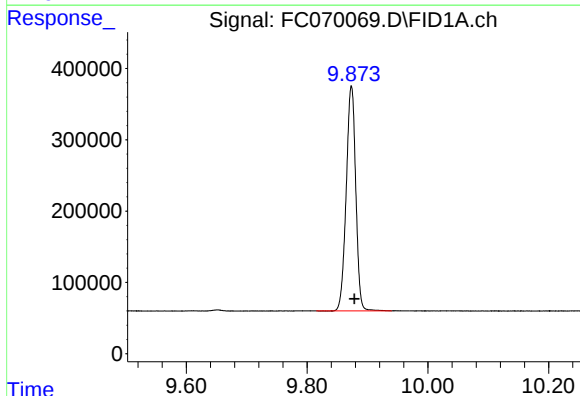
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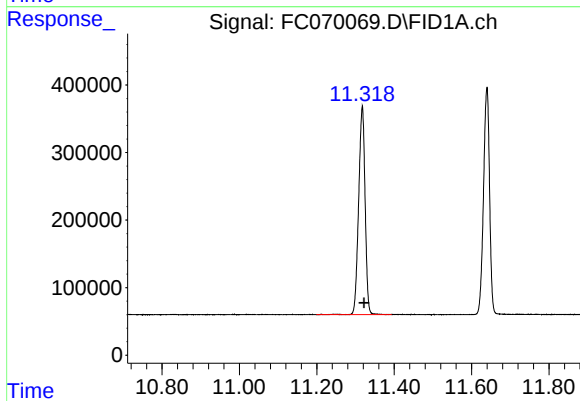
#6 n-Tetradecane (C14)

R.T.: 8.270 min
Delta R.T.: -0.005 min
Response: 3243685
Conc: 20.39 ug/ml



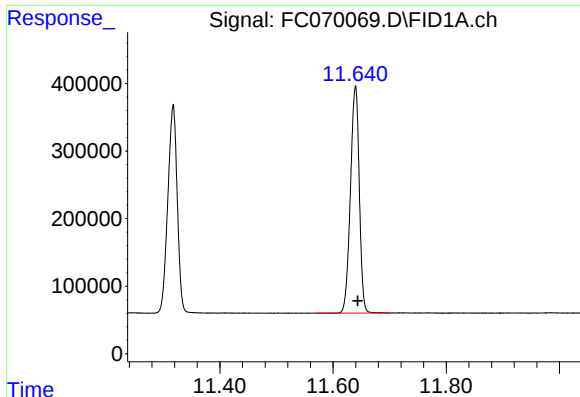
#7 n-Hexadecane (C16)

R.T.: 9.873 min
Delta R.T.: -0.005 min
Response: 3460551
Conc: 20.53 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.317 min
Delta R.T.: -0.005 min
Response: 3559020
Conc: 20.92 ug/ml



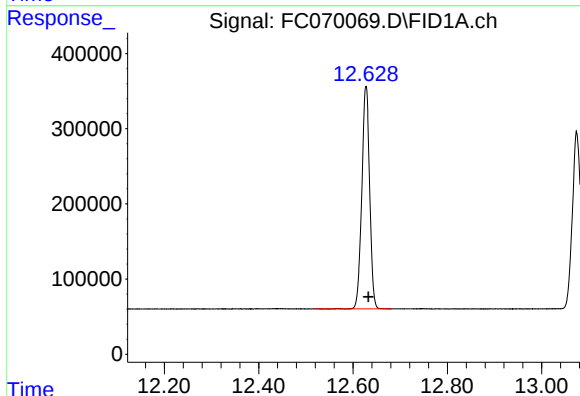
#9 ortho-Terphenyl (SURR)

R.T.: 11.639 min
Delta R.T.: -0.004 min
Response: 3639258
Conc: 20.72 ug/ml

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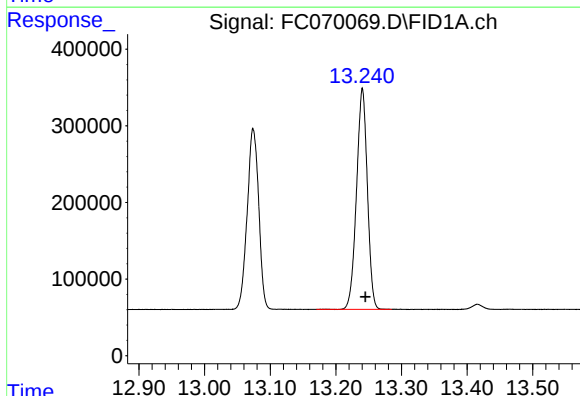
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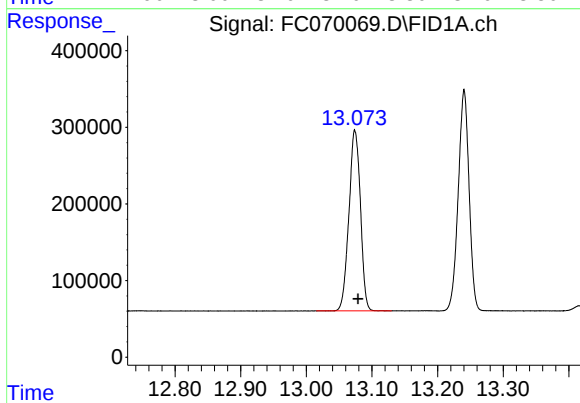
#10 n-Eicosane (C20)

R.T.: 12.627 min
Delta R.T.: -0.005 min
Response: 3405462
Conc: 21.23 ug/ml



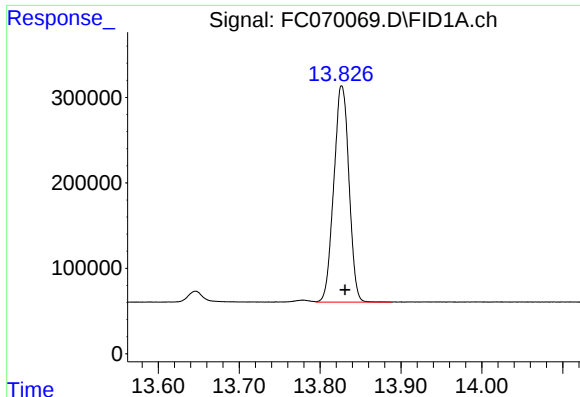
#11 n-Heneicosane (C21)

R.T.: 13.240 min
Delta R.T.: -0.005 min
Response: 3309979
Conc: 21.32 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.074 min
Delta R.T.: -0.005 min
Response: 2878784
Conc: 21.21 ug/ml



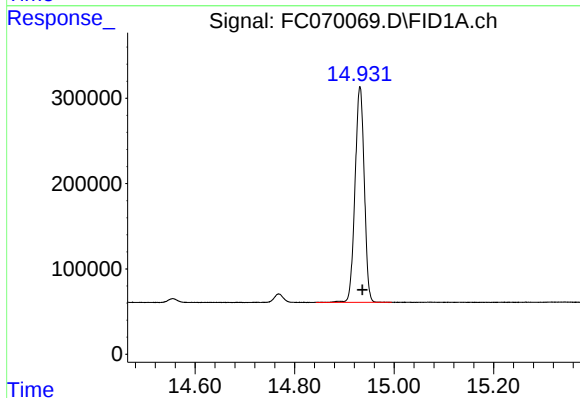
#13 n-Docosane (C22)

R.T.: 13.827 min
Delta R.T.: -0.004 min
Response: 3296121
Conc: 21.42 ug/ml

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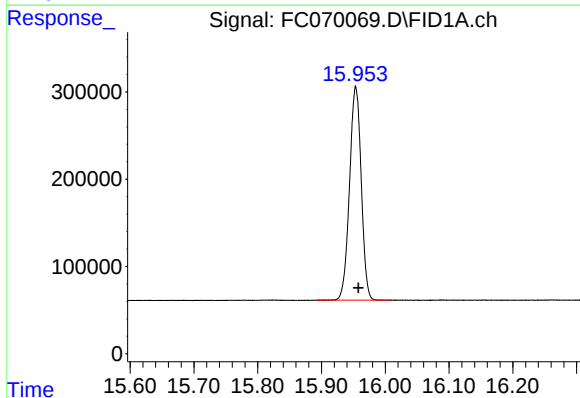
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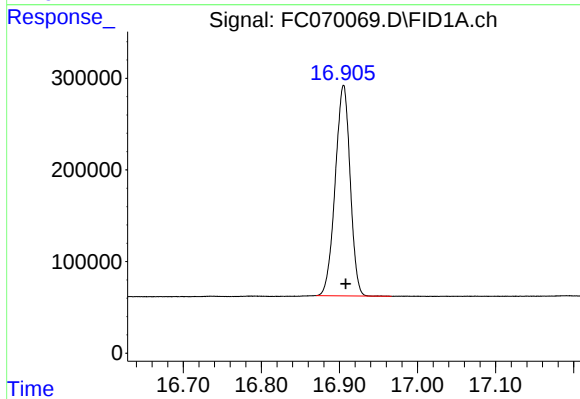
#14 n-Tetracosane (C24)

R.T.: 14.931 min
Delta R.T.: -0.005 min
Response: 3254433
Conc: 21.46 ug/ml



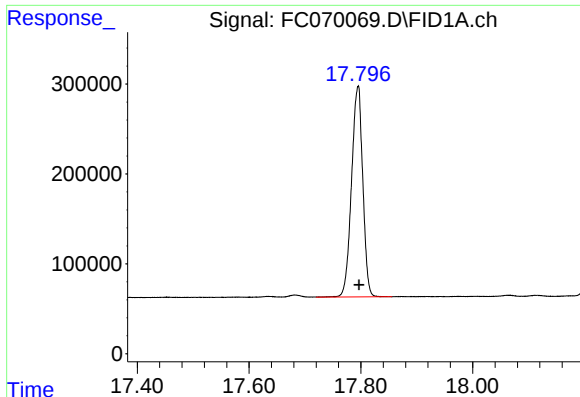
#15 n-Hexacosane (C26)

R.T.: 15.954 min
Delta R.T.: -0.004 min
Response: 3120513
Conc: 21.56 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.905 min
Delta R.T.: -0.003 min
Response: 3055023
Conc: 22.09 ug/ml



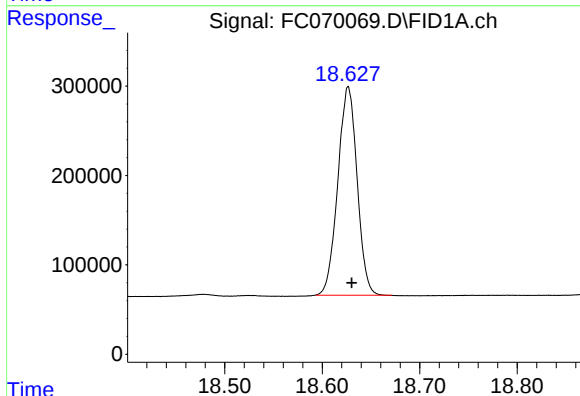
#17 n-Tricontane (C30)

R.T.: 17.794 min
Delta R.T.: -0.003 min
Response: 3269745
Conc: 23.95 ug/ml

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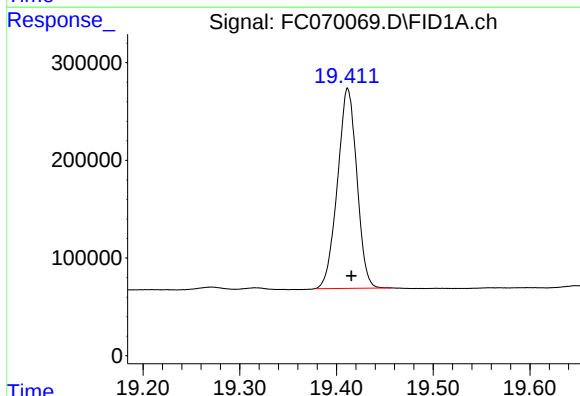
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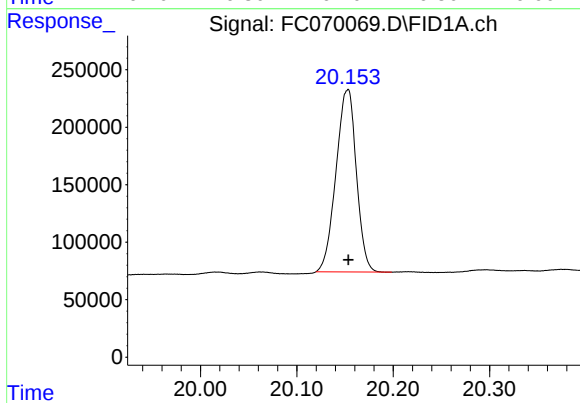
#18 n-Dotriacontane (C32)

R.T.: 18.627 min
Delta R.T.: -0.004 min
Response: 3214076
Conc: 24.93 ug/ml m



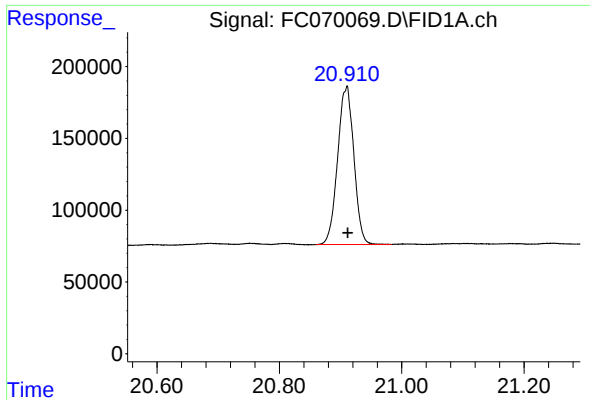
#19 n-Tetratriacontane (C34)

R.T.: 19.411 min
Delta R.T.: -0.004 min
Response: 2846171
Conc: 24.94 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.152 min
Delta R.T.: 0.000 min
Response: 2324139
Conc: 24.03 ug/ml



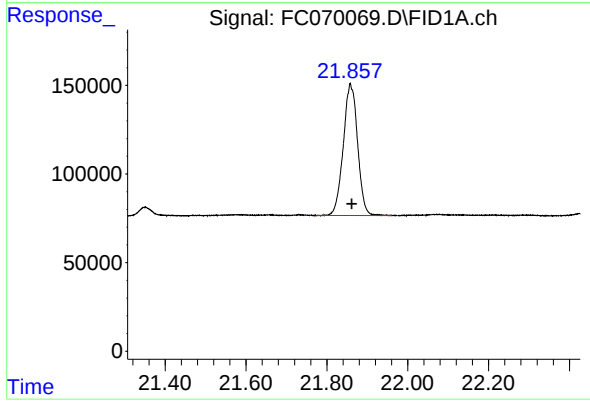
#21 n-Octatriacontane (C38)

R.T.: 20.909 min
Delta R.T.: -0.002 min
Response: 2029295
Conc: 23.28 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.858 min
Delta R.T.: -0.003 min
Response: 1823306
Conc: 22.19 ug/ml