

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110325AL\
 Data File : FC070122.D
 Signal(s) : FID1A.ch
 Acq On : 03 Nov 2025 14:52
 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 :Rahul Chavli 11/04/2025
 Supervised By :Yogesh Patel 11/04/2025

Integration File: autoint1.e
 Quant Time: Nov 04 03:28:10 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)	11.637	3284460	18.704 ug/ml
Spiked Amount 50.000		Recovery =	37.41%
12) S 1-chlorooctadecane (S...	13.073	2474967	18.233 ug/ml
Spiked Amount 50.000		Recovery =	36.47%
Target Compounds			
1) T n-Nonane (C9)	3.377	2597204	18.914 ug/ml
2) T n-Decane (C10)	4.448	2788201	19.395 ug/ml
3) T A~Naphthalene (C11.7)	6.042	3033351	18.769 ug/ml
4) T n-Dodecane (C12)	6.471	2922820	19.069 ug/ml
5) T A~2-methylnaphthalene...	7.101	2942043	18.440 ug/ml
6) T n-Tetradecane (C14)	8.269	2988284	18.789 ug/ml
7) T n-Hexadecane (C16)	9.872	3124091	18.538 ug/ml
8) T n-Octadecane (C18)	11.316	3149619	18.513 ug/ml
10) T n-Eicosane (C20)	12.626	2967914	18.499 ug/ml
11) T n-Heneicosane (C21)	13.239	2877065	18.529 ug/ml
13) T n-Docosane (C22)	13.826	2864464	18.613 ug/ml
14) T n-Tetracosane (C24)	14.931	2855678	18.833 ug/ml
15) T n-Hexacosane (C26)	15.954	2750651	19.004 ug/ml
16) T n-Octacosane (C28)	16.904	2775015	20.065 ug/ml
17) T n-Tricontane (C30)	17.793	3032634	22.212 ug/ml
18) T n-Dotriacontane (C32)	18.627	3092731	23.987 ug/mlm
19) T n-Tetratriacontane (C34)	19.410	2761425	24.202 ug/ml
20) T n-Hexatriacontane (C36)	20.150	2188885	22.633 ug/mlm
21) T n-Octatriacontane (C38)	20.908	1855731	21.291 ug/mlm
22) T n-Tetracontane (C40)	21.858	1669775	20.323 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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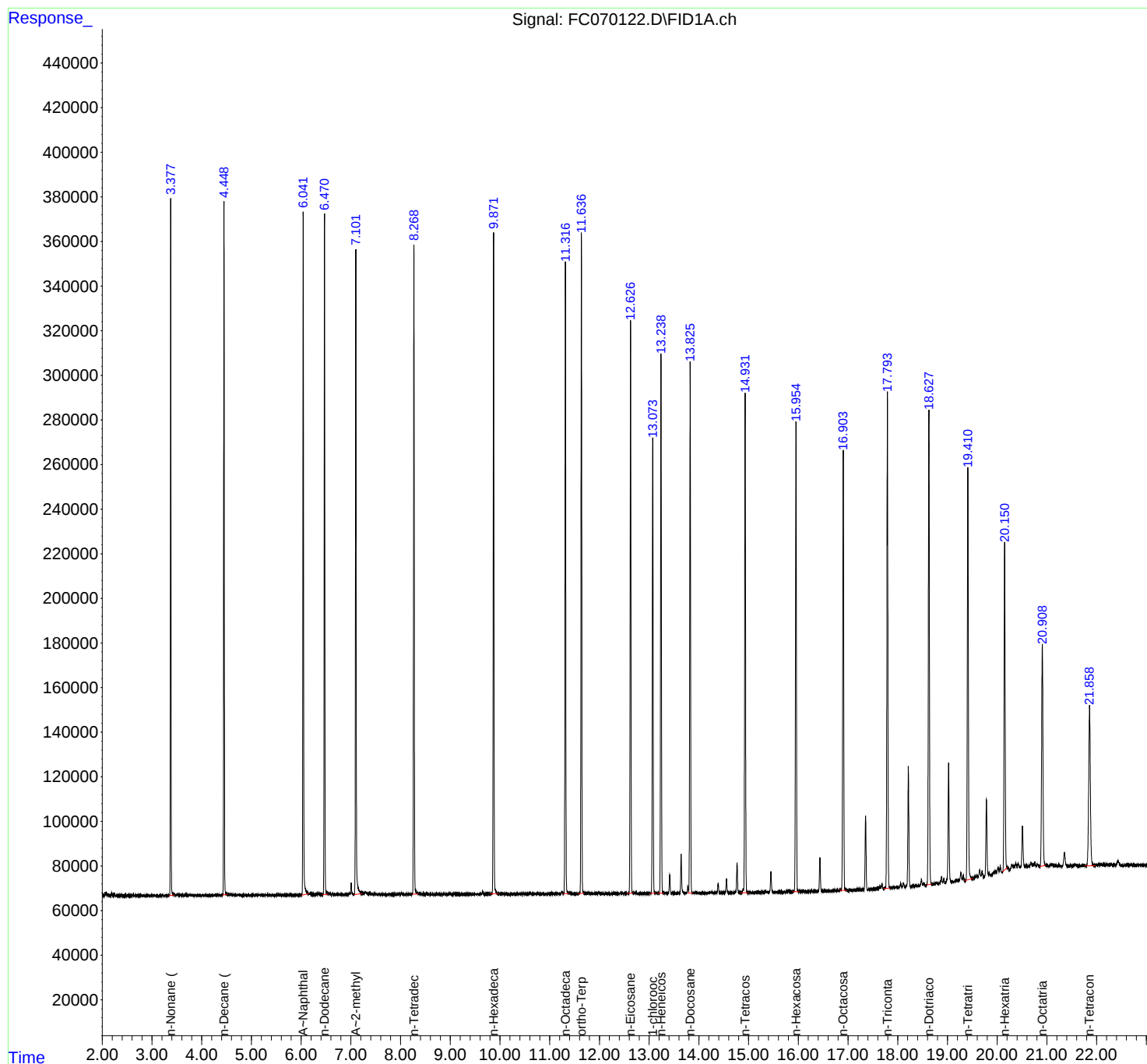
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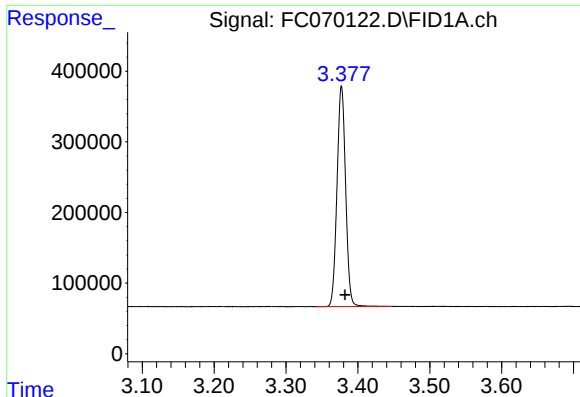
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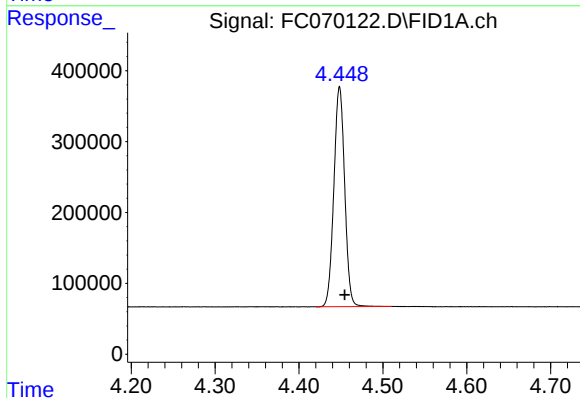
#1 n-Nonane (C9)

R.T.: 3.377 min
Delta R.T.: -0.005 min
Response: 2597204
Conc: 18.91 ug/ml

Instrument :
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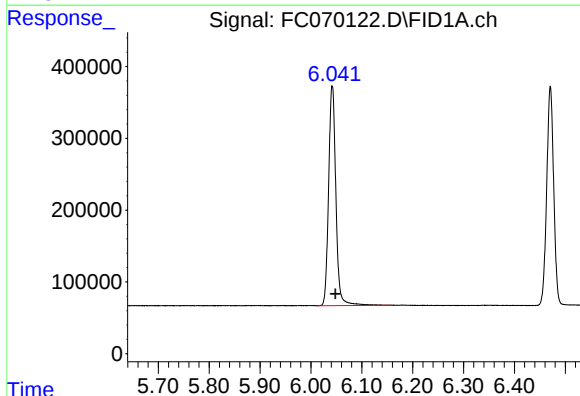
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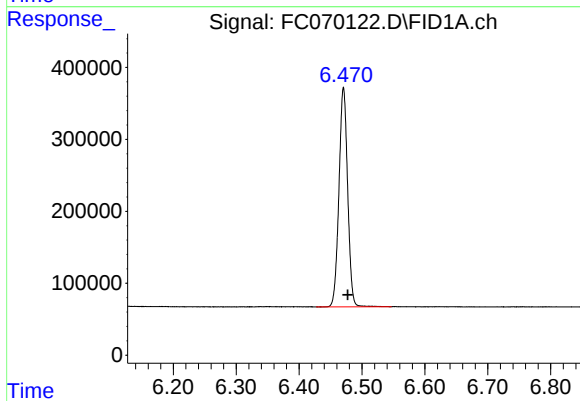
#2 n-Decane (C10)

R.T.: 4.448 min
Delta R.T.: -0.006 min
Response: 2788201
Conc: 19.39 ug/ml



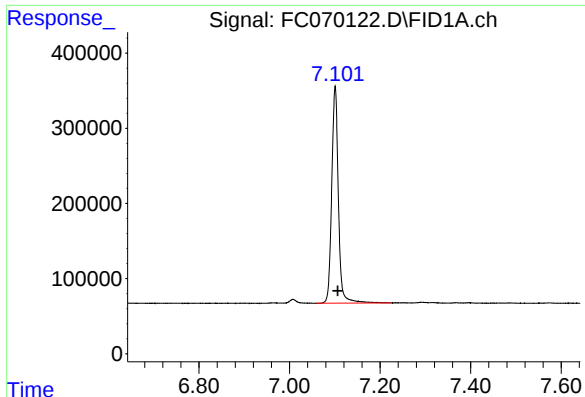
#3 A~Naphthalene (C11.7)

R.T.: 6.042 min
Delta R.T.: -0.006 min
Response: 3033351
Conc: 18.77 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.471 min
Delta R.T.: -0.007 min
Response: 2922820
Conc: 19.07 ug/ml



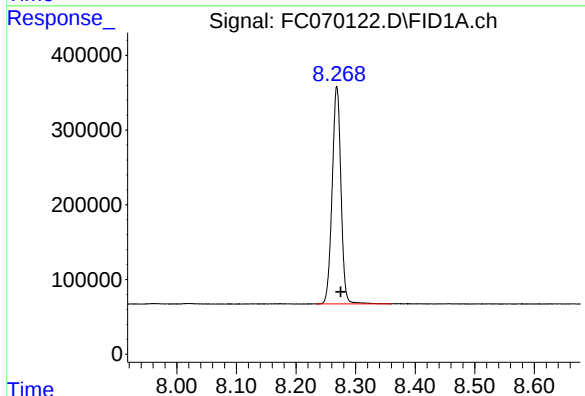
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.101 min
Delta R.T.: -0.006 min
Response: 2942043
Conc: 18.44 ug/ml

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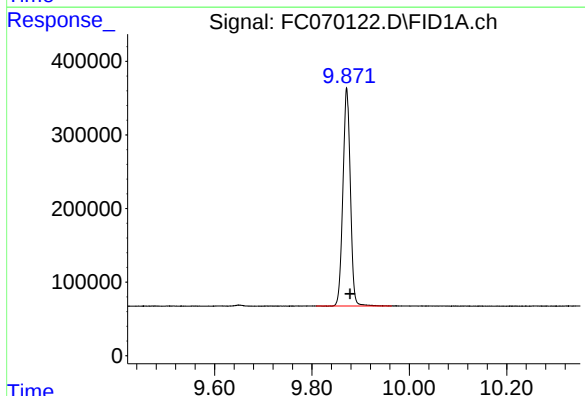
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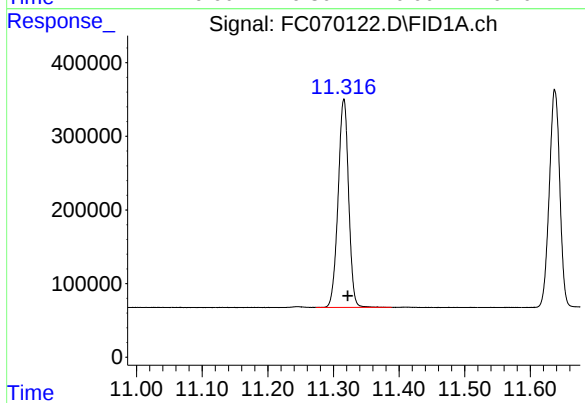
#6 n-Tetradecane (C14)

R.T.: 8.269 min
Delta R.T.: -0.006 min
Response: 2988284
Conc: 18.79 ug/ml



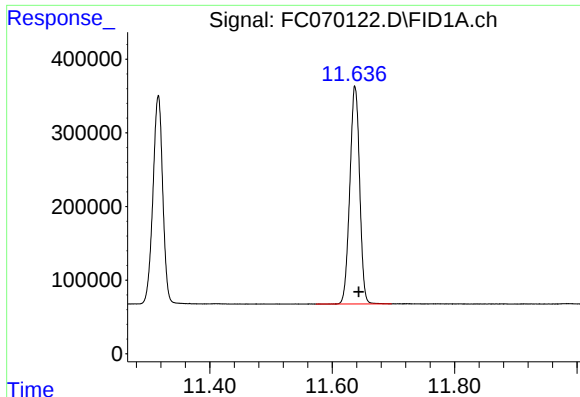
#7 n-Hexadecane (C16)

R.T.: 9.872 min
Delta R.T.: -0.007 min
Response: 3124091
Conc: 18.54 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.316 min
Delta R.T.: -0.006 min
Response: 3149619
Conc: 18.51 ug/ml



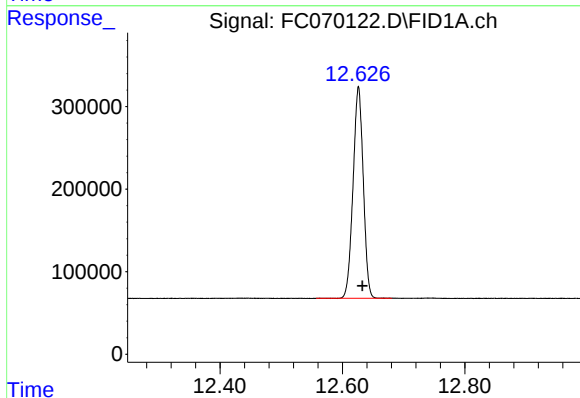
#9 ortho-Terphenyl (SURR)

R.T.: 11.637 min
Delta R.T.: -0.006 min
Response: 3284460
Conc: 18.70 ug/ml

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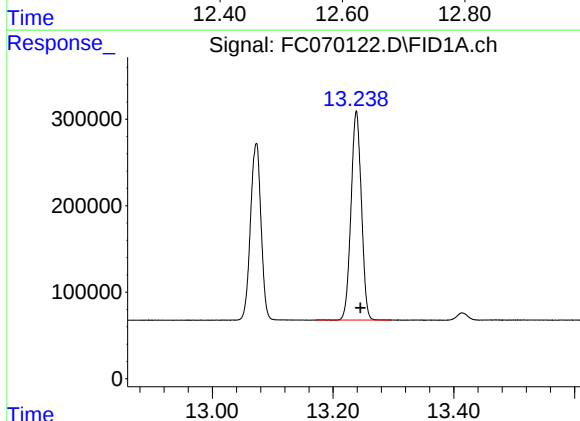
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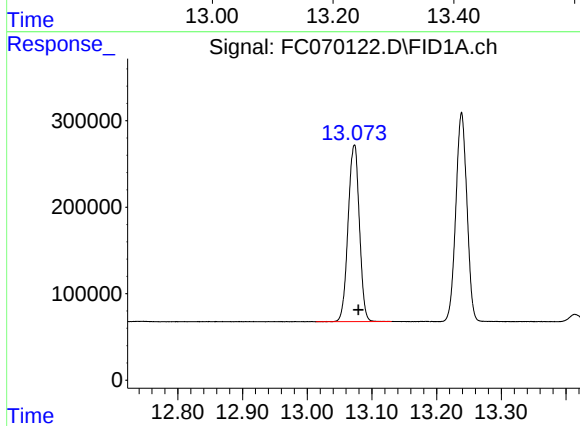
#10 n-Eicosane (C20)

R.T.: 12.626 min
Delta R.T.: -0.006 min
Response: 2967914
Conc: 18.50 ug/ml



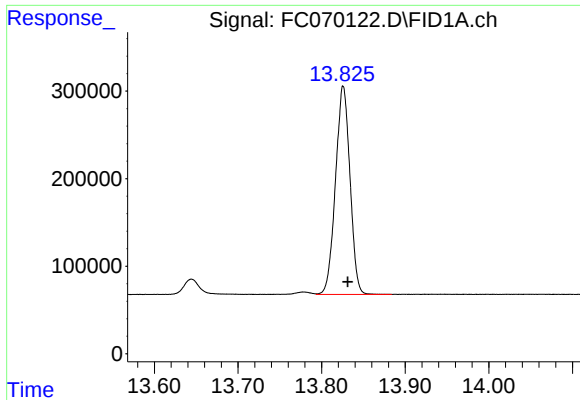
#11 n-Heneicosane (C21)

R.T.: 13.239 min
Delta R.T.: -0.007 min
Response: 2877065
Conc: 18.53 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.073 min
Delta R.T.: -0.007 min
Response: 2474967
Conc: 18.23 ug/ml



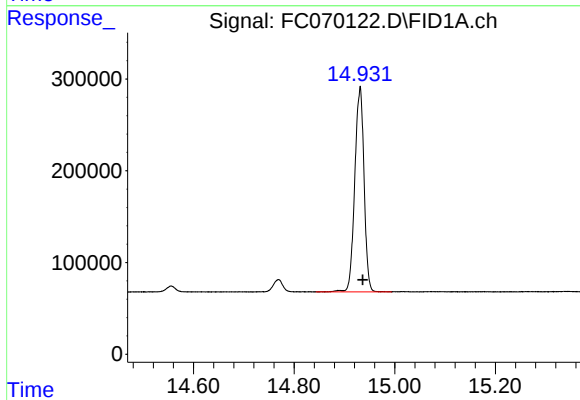
#13 n-Docosane (C22)

R.T.: 13.826 min
Delta R.T.: -0.005 min
Response: 2864464
Conc: 18.61 ug/ml

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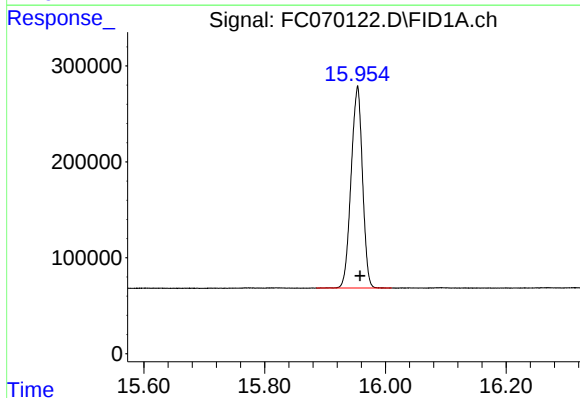
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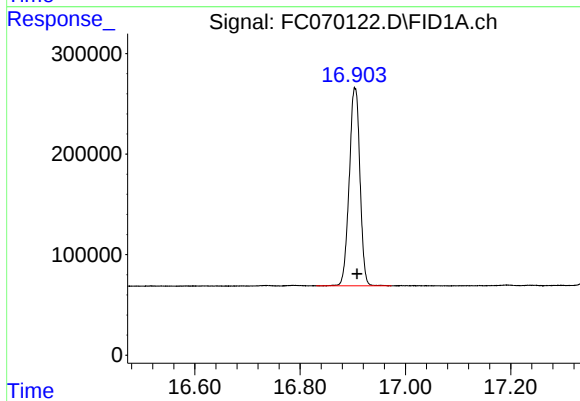
#14 n-Tetracosane (C24)

R.T.: 14.931 min
Delta R.T.: -0.005 min
Response: 2855678
Conc: 18.83 ug/ml



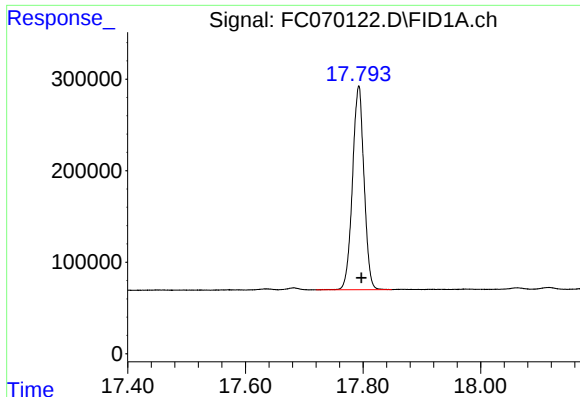
#15 n-Hexacosane (C26)

R.T.: 15.954 min
Delta R.T.: -0.004 min
Response: 2750651
Conc: 19.00 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.904 min
Delta R.T.: -0.004 min
Response: 2775015
Conc: 20.06 ug/ml



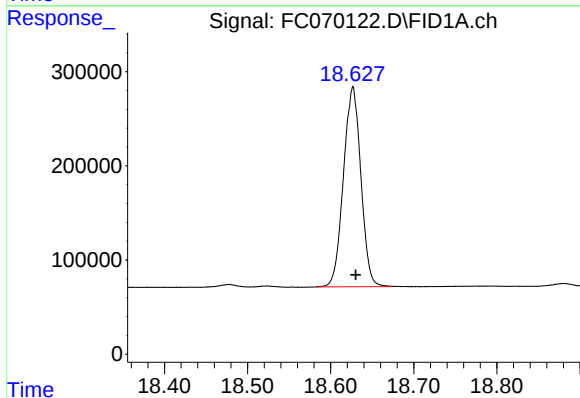
#17 n-Tricontane (C30)

R.T.: 17.793 min
Delta R.T.: -0.004 min
Response: 3032634
Conc: 22.21 ug/ml

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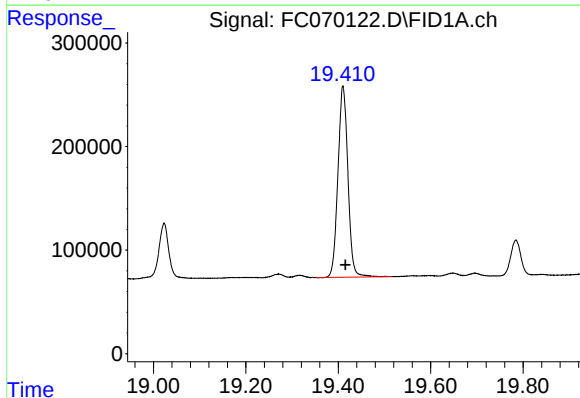
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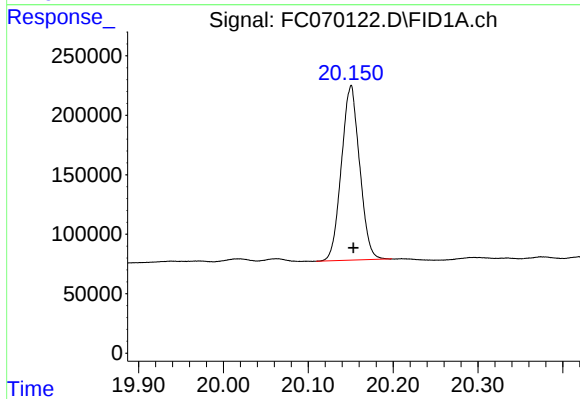
#18 n-Dotriacontane (C32)

R.T.: 18.627 min
Delta R.T.: -0.004 min
Response: 3092731
Conc: 23.99 ug/ml m



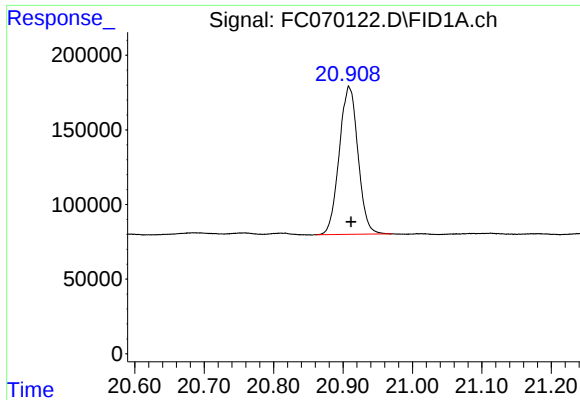
#19 n-Tetratriacontane (C34)

R.T.: 19.410 min
Delta R.T.: -0.005 min
Response: 2761425
Conc: 24.20 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.150 min
Delta R.T.: -0.003 min
Response: 2188885
Conc: 22.63 ug/ml m



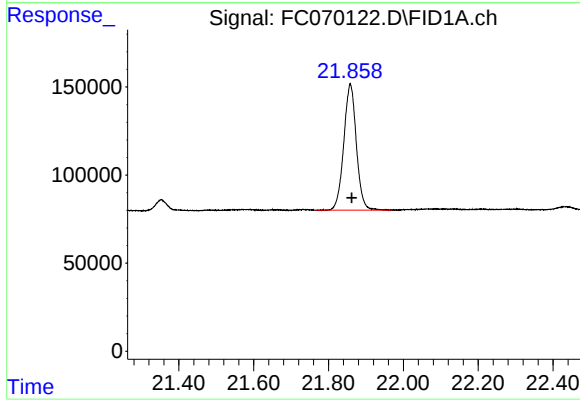
#21 n-Octatriacontane (C38)

R.T.: 20.908 min
Delta R.T.: -0.004 min
Response: 1855731
Conc: 21.29 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.858 min
Delta R.T.: -0.003 min
Response: 1669775
Conc: 20.32 ug/ml