

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102425AL\
 Data File : FC070039.D
 Signal(s) : FID1A.ch
 Acq On : 24 Oct 2025 22:12
 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 10/27/2025
 Supervised By :mohammad ahmed 10/29/2025

Integration File: sample.E
 Quant Time: Oct 27 07:43:39 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)	11.643	3203821	18.245 ug/ml
Spiked Amount 50.000		Recovery =	36.49%
12) S 1-chlorooctadecane (S...	13.079	2501918	18.431 ug/ml
Spiked Amount 50.000		Recovery =	36.86%
Target Compounds			
1) T n-Nonane (C9)	3.379	2556871	18.620 ug/ml
2) T n-Decane (C10)	4.452	2725544	18.959 ug/ml
3) T A~Naphthalene (C11.7)	6.047	3019537	18.683 ug/ml
4) T n-Dodecane (C12)	6.476	2913459	19.008 ug/ml
5) T A~2-methylnaphthalene...	7.106	2973176	18.635 ug/ml
6) T n-Tetradecane (C14)	8.273	3016549	18.967 ug/ml
7) T n-Hexadecane (C16)	9.877	3169557	18.808 ug/ml
8) T n-Octadecane (C18)	11.321	3174803	18.661 ug/ml
10) T n-Eicosane (C20)	12.632	2983134	18.594 ug/ml
11) T n-Heneicosane (C21)	13.244	2863944	18.445 ug/ml
13) T n-Docosane (C22)	13.831	2823518	18.347 ug/ml
14) T n-Tetracosane (C24)	14.936	2764287	18.230 ug/ml
15) T n-Hexacosane (C26)	15.958	2616097	18.074 ug/ml
16) T n-Octacosane (C28)	16.910	2551152	18.446 ug/ml
17) T n-Tricontane (C30)	17.798	2685211	19.667 ug/ml
18) T n-Dotriacontane (C32)	18.631	2650523	20.557 ug/mlm
19) T n-Tetratriacontane (C34)	19.416	2435606	21.346 ug/ml
20) T n-Hexatriacontane (C36)	20.157	2023642	20.925 ug/ml
21) T n-Octatriacontane (C38)	20.916	1740775	19.972 ug/ml
22) T n-Tetracontane (C40)	21.867	1676184	20.401 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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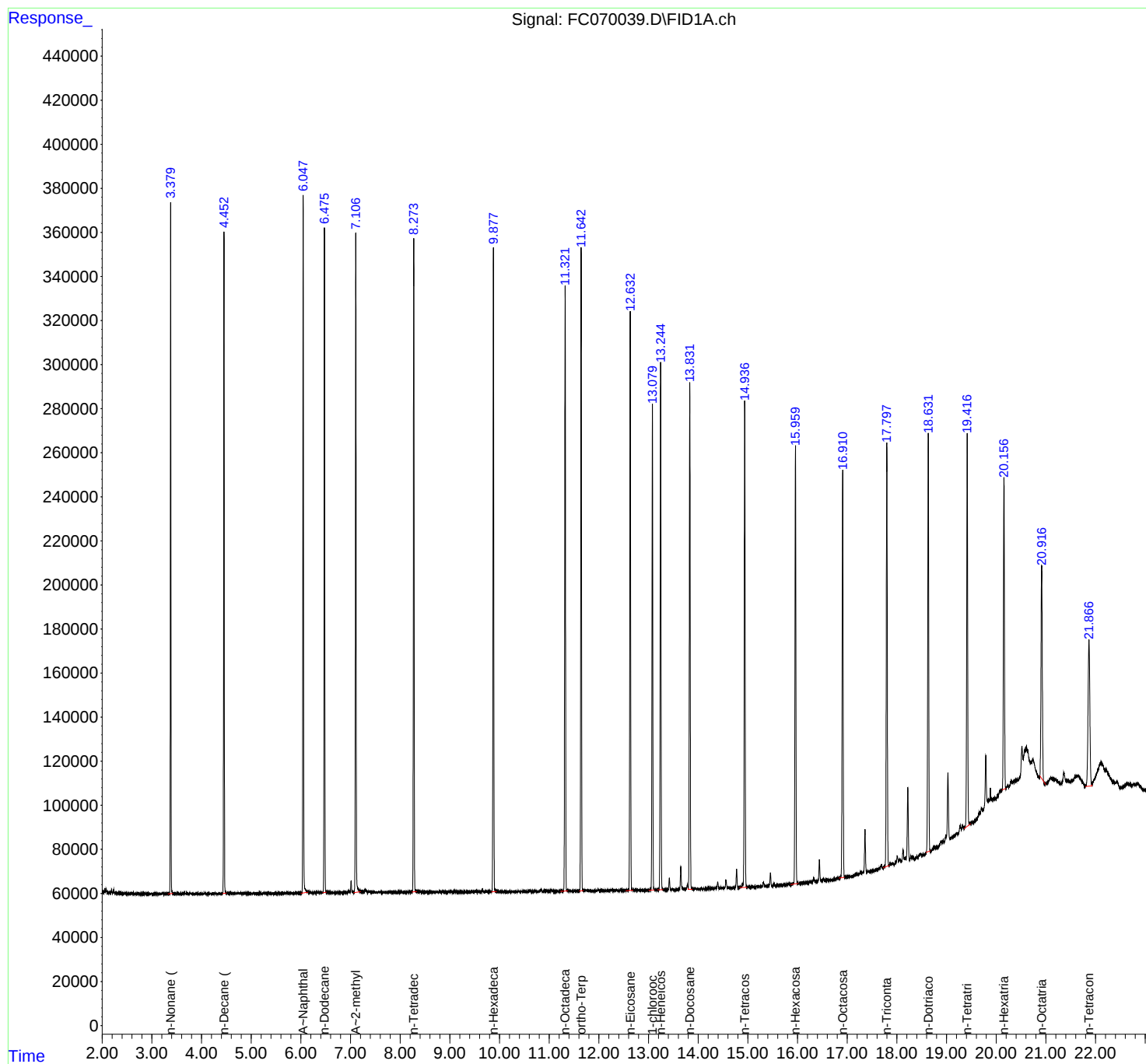
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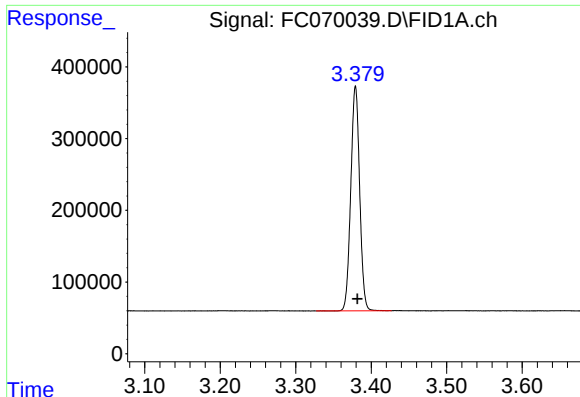
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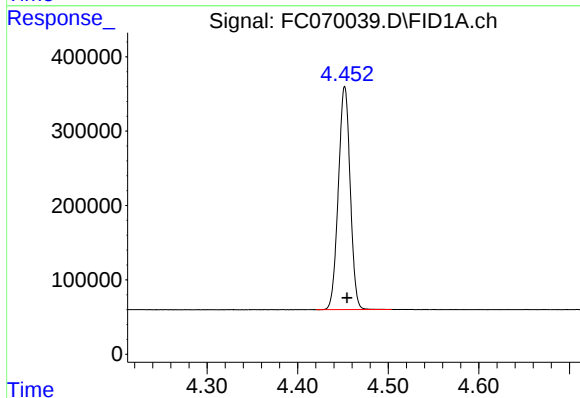
#1 n-Nonane (C9)

R.T.: 3.379 min
Delta R.T.: -0.003 min
Response: 2556871
Conc: 18.62 ug/ml

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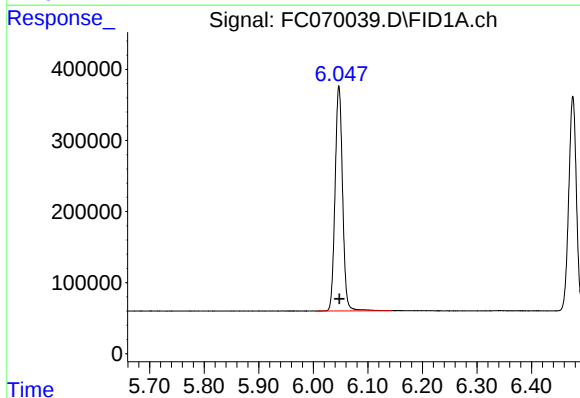
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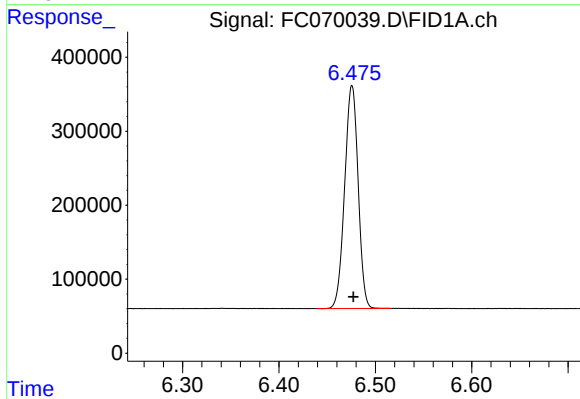
#2 n-Decane (C10)

R.T.: 4.452 min
Delta R.T.: -0.003 min
Response: 2725544
Conc: 18.96 ug/ml



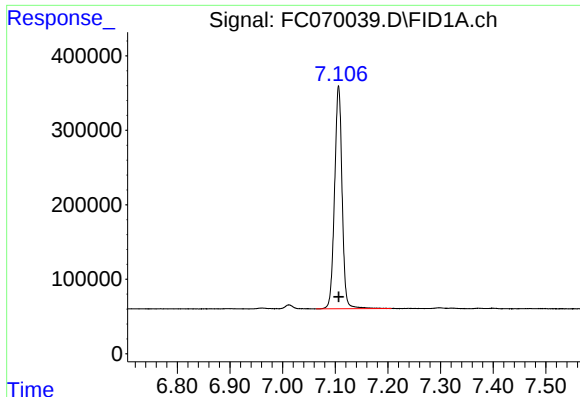
#3 A~Naphthalene (C11.7)

R.T.: 6.047 min
Delta R.T.: -0.001 min
Response: 3019537
Conc: 18.68 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.476 min
Delta R.T.: -0.002 min
Response: 2913459
Conc: 19.01 ug/ml



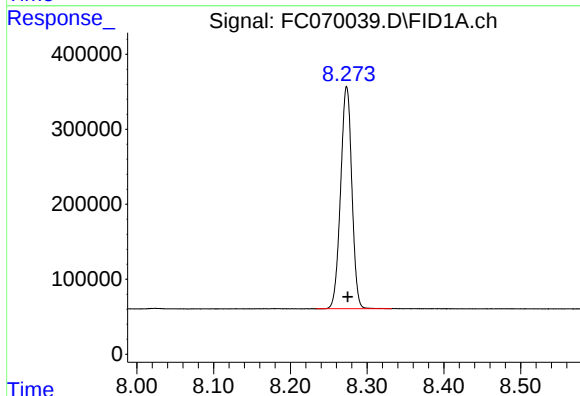
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.106 min
Delta R.T.: 0.000 min
Response: 2973176
Conc: 18.63 ug/ml

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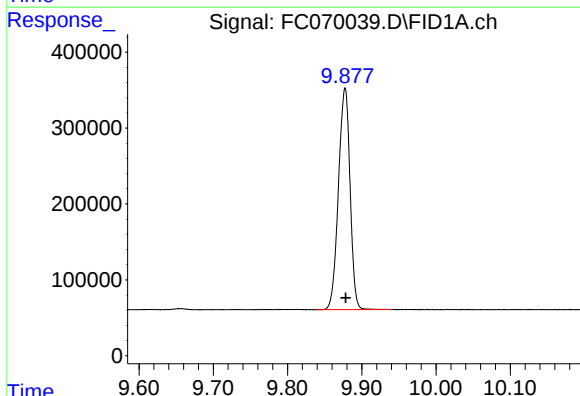
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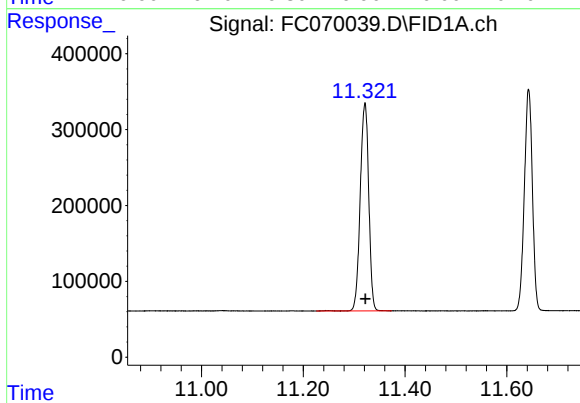
#6 n-Tetradecane (C14)

R.T.: 8.273 min
Delta R.T.: -0.002 min
Response: 3016549
Conc: 18.97 ug/ml



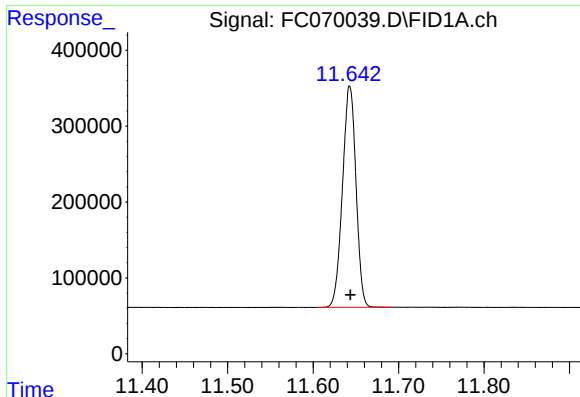
#7 n-Hexadecane (C16)

R.T.: 9.877 min
Delta R.T.: -0.001 min
Response: 3169557
Conc: 18.81 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.321 min
Delta R.T.: 0.000 min
Response: 3174803
Conc: 18.66 ug/ml



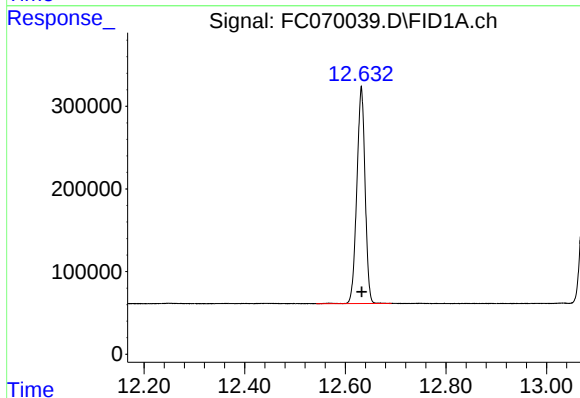
#9 ortho-Terphenyl (SURR)

R.T.: 11.643 min
Delta R.T.: 0.000 min
Response: 3203821
Conc: 18.24 ug/ml

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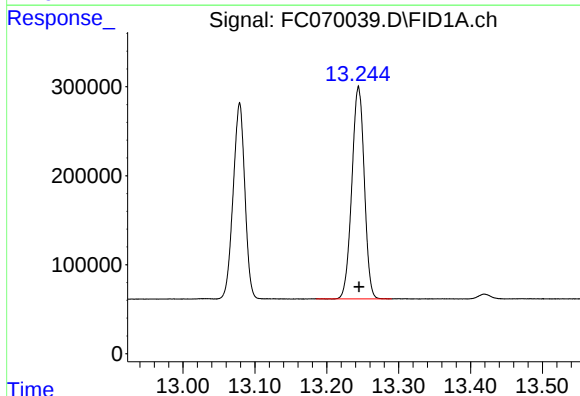
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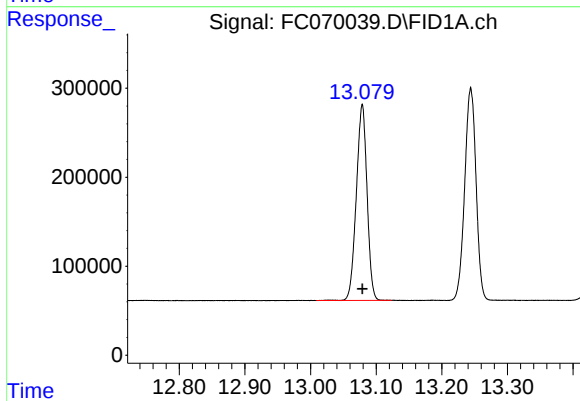
#10 n-Eicosane (C20)

R.T.: 12.632 min
Delta R.T.: 0.000 min
Response: 2983134
Conc: 18.59 ug/ml



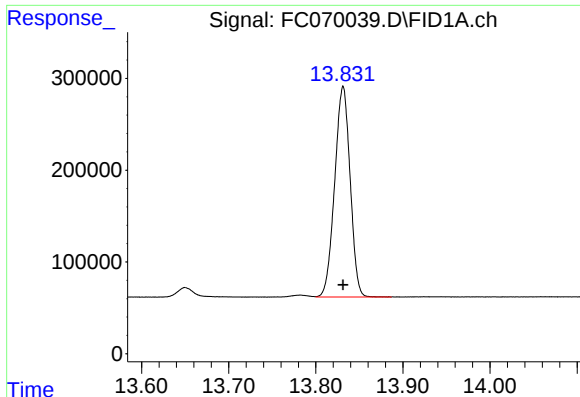
#11 n-Heneicosane (C21)

R.T.: 13.244 min
Delta R.T.: 0.000 min
Response: 2863944
Conc: 18.44 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.079 min
Delta R.T.: 0.000 min
Response: 2501918
Conc: 18.43 ug/ml



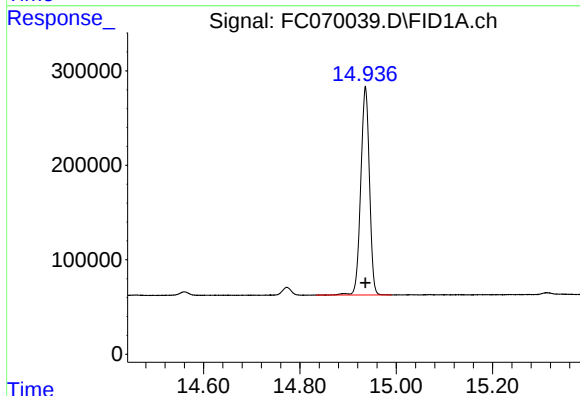
#13 n-Docosane (C22)

R.T.: 13.831 min
Delta R.T.: 0.000 min
Response: 2823518
Conc: 18.35 ug/ml

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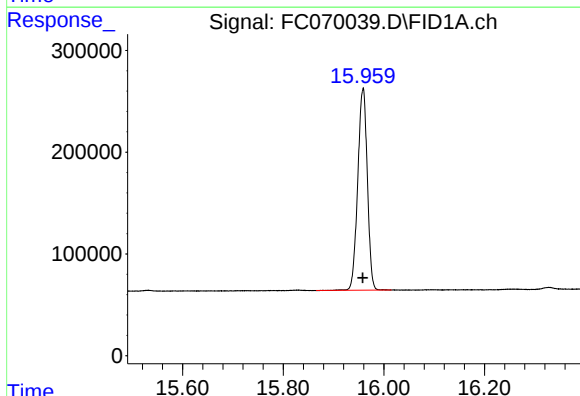
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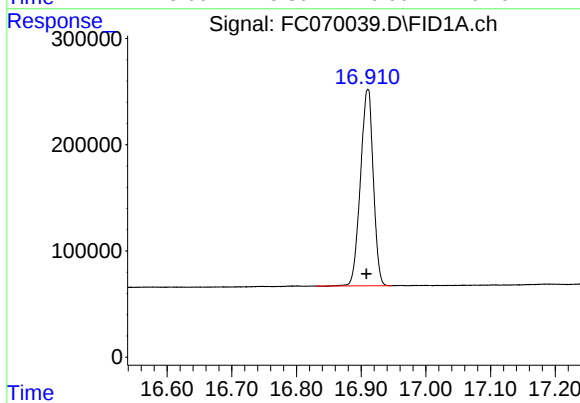
#14 n-Tetracosane (C24)

R.T.: 14.936 min
Delta R.T.: 0.000 min
Response: 2764287
Conc: 18.23 ug/ml



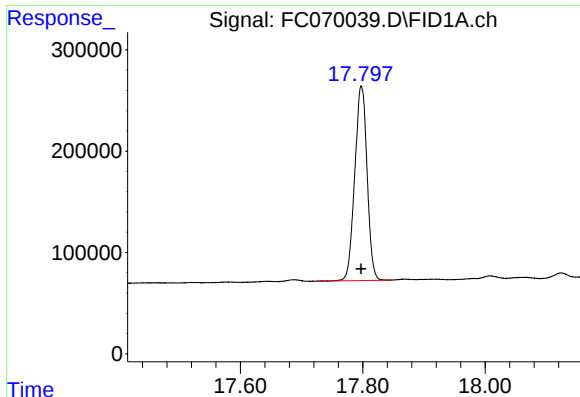
#15 n-Hexacosane (C26)

R.T.: 15.958 min
Delta R.T.: 0.000 min
Response: 2616097
Conc: 18.07 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.910 min
Delta R.T.: 0.002 min
Response: 2551152
Conc: 18.45 ug/ml



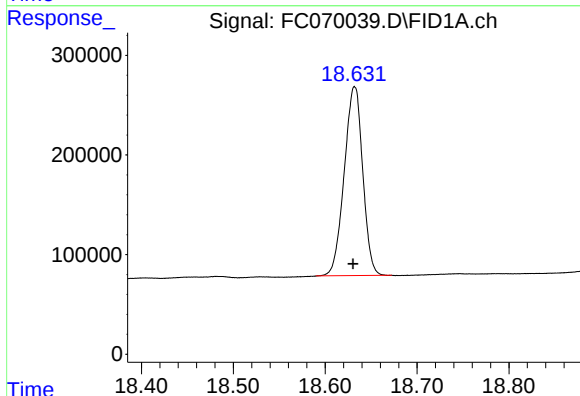
#17 n-Tricontane (C30)

R.T.: 17.798 min
Delta R.T.: 0.000 min
Response: 2685211
Conc: 19.67 ug/ml

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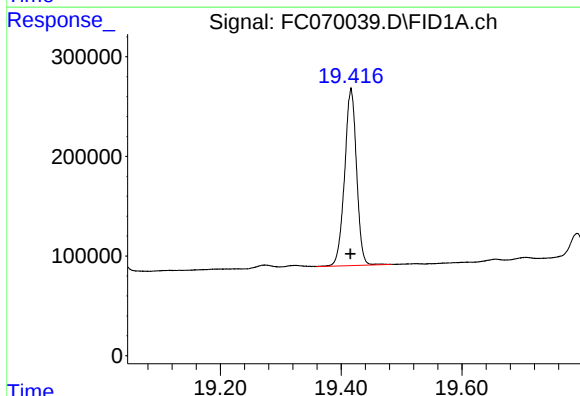
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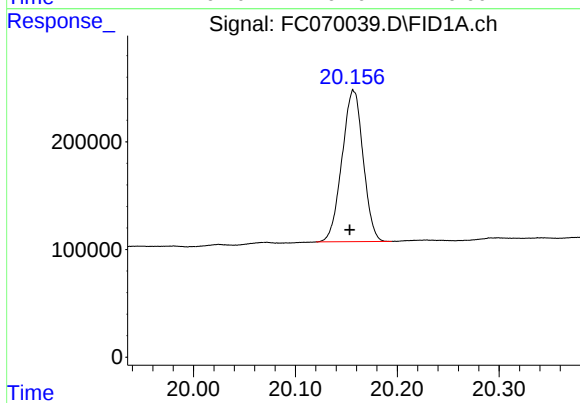
#18 n-Dotriacontane (C32)

R.T.: 18.631 min
Delta R.T.: 0.001 min
Response: 2650523
Conc: 20.56 ug/ml m



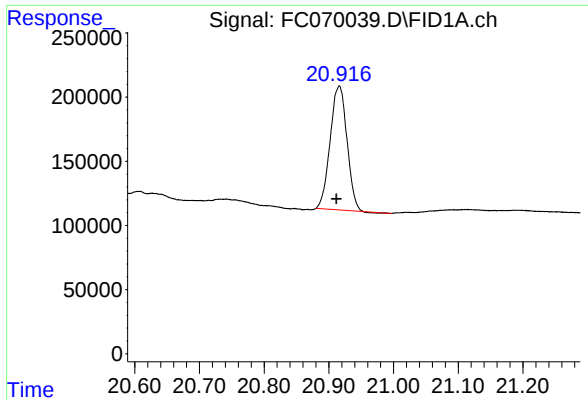
#19 n-Tetratriacontane (C34)

R.T.: 19.416 min
Delta R.T.: 0.001 min
Response: 2435606
Conc: 21.35 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.157 min
Delta R.T.: 0.004 min
Response: 2023642
Conc: 20.92 ug/ml



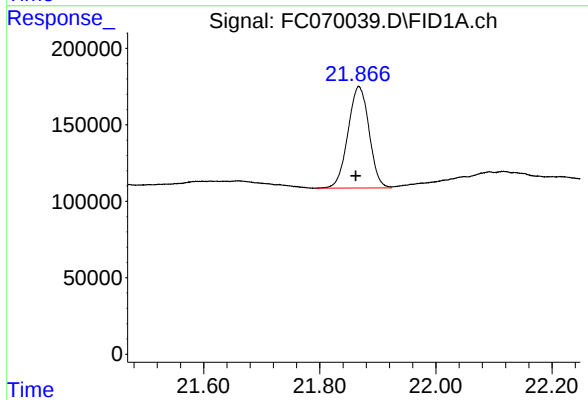
#21 n-Octatriacontane (C38)

R.T.: 20.916 min
Delta R.T.: 0.004 min
Response: 1740775
Conc: 19.97 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.867 min
Delta R.T.: 0.006 min
Response: 1676184
Conc: 20.40 ug/ml