

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080625AL\
 Data File : FC069587.D
 Signal(s) : FID1A.ch
 Acq On : 06 Aug 2025 18:48
 Operator : YP/AJ
 Sample : Q2780-01MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 TP-3MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/07/2025
 Supervised By :mohammad ahmed 08/08/2025

Integration File: autoint1.e
 Quant Time: Aug 07 02:50:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 Qlast Update : Fri Aug 01 14:14:17 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)	11.671	4869671	32.642 ug/ml
Spiked Amount 50.000		Recovery =	65.28%
12) S 1-chlorooctadecane (S...	13.106	3875604	35.548 ug/ml
Spiked Amount 50.000		Recovery =	71.10%
Target Compounds			
1) T n-Nonane (C9)	3.403	3162832	22.200 ug/ml
2) T n-Decane (C10)	4.475	3568504	24.546 ug/ml
3) T A~Naphthalene (C11.7)	6.070	4493507	28.960 ug/ml
4) T n-Dodecane (C12)	6.499	3937970	26.938 ug/ml
5) T A~2-methylnaphthalene...	7.130	4833478	32.820 ug/ml
6) T n-Tetradecane (C14)	8.300	4276603	29.967 ug/ml
7) T n-Hexadecane (C16)	9.903	4761969	33.033 ug/ml
8) T n-Octadecane (C18)	11.347	4619349	32.666 ug/ml
10) T n-Eicosane (C20)	12.659	4773057	36.234 ug/ml
11) T n-Heneicosane (C21)	13.272	4514254	35.394 ug/ml
13) T n-Docosane (C22)	13.859	4416900	35.358 ug/ml
14) T n-Tetracosane (C24)	14.959	8811747	73.023 ug/ml
15) T n-Hexacosane (C26)	15.988	3970358	34.360 ug/ml
16) T n-Octacosane (C28)	16.936	3933681	35.094 ug/ml
17) T n-Tricontane (C30)	17.827	3725066	32.534 ug/ml
18) T n-Dotriacontane (C32)	18.659	3616117	32.554 ug/mlm
19) T n-Tetratriacontane (C34)	19.444	3710651	36.442 ug/ml
20) T n-Hexatriacontane (C36)	20.184	3397956	38.109 ug/ml
21) T n-Octatriacontane (C38)	20.949	3365208	41.834 ug/ml
22) T n-Tetracontane (C40)	21.914	3222835	43.039 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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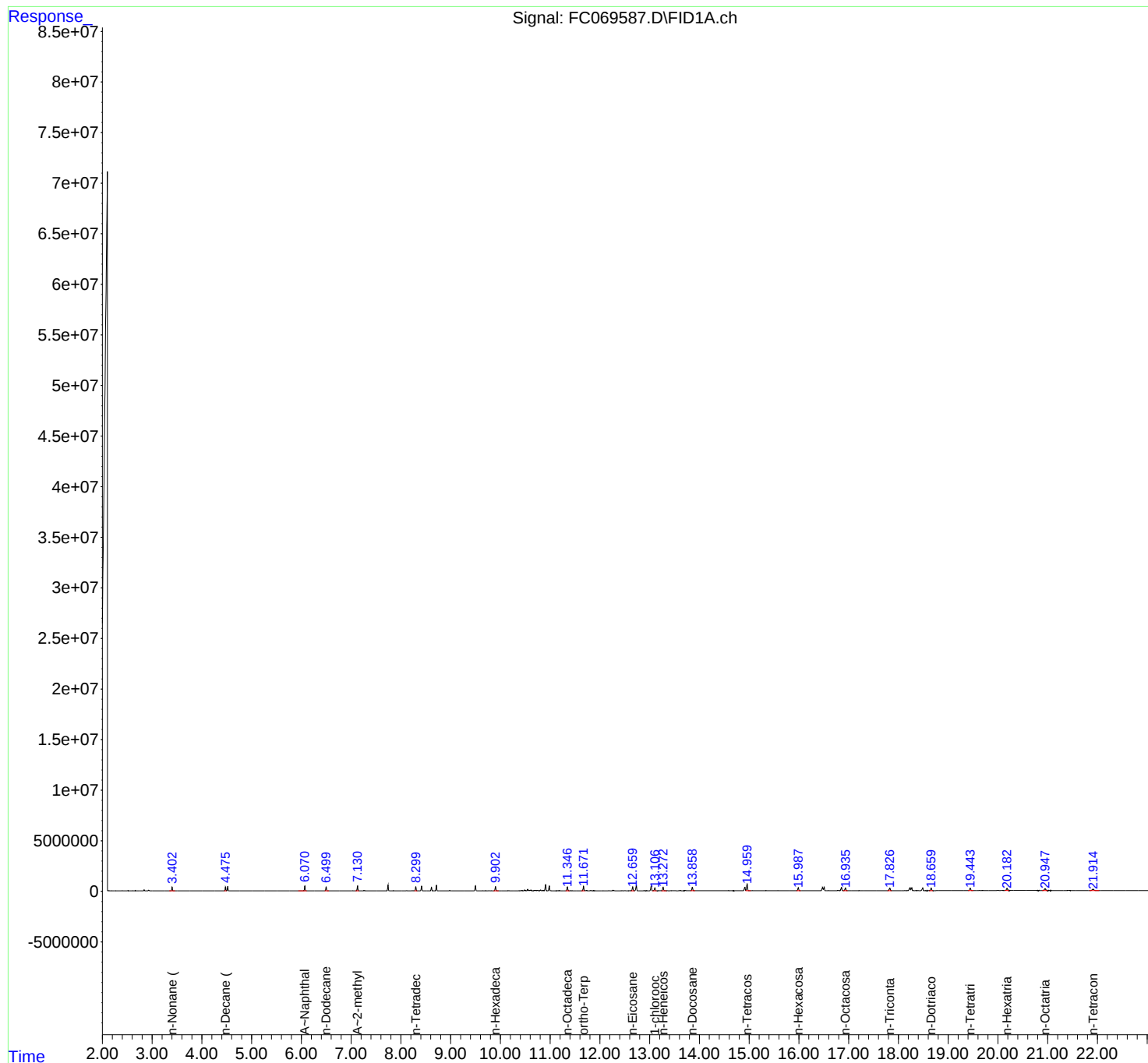
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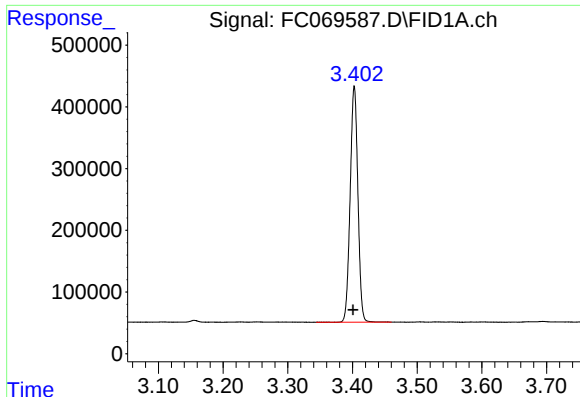
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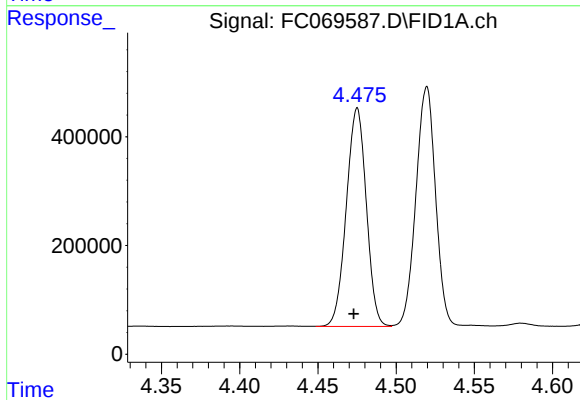
#1 n-Nonane (C9)

R.T.: 3.403 min
Delta R.T.: 0.002 min
Response: 3162832
Conc: 22.20 ug/ml

Instrument :
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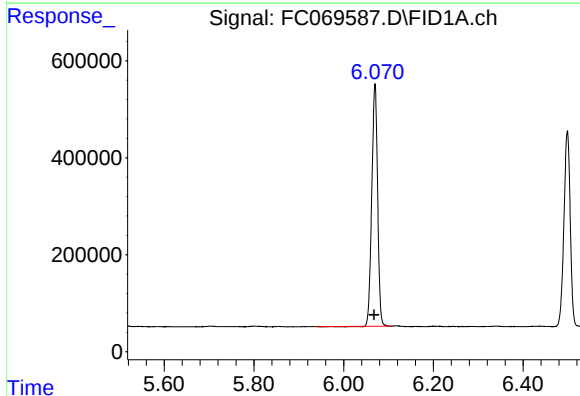
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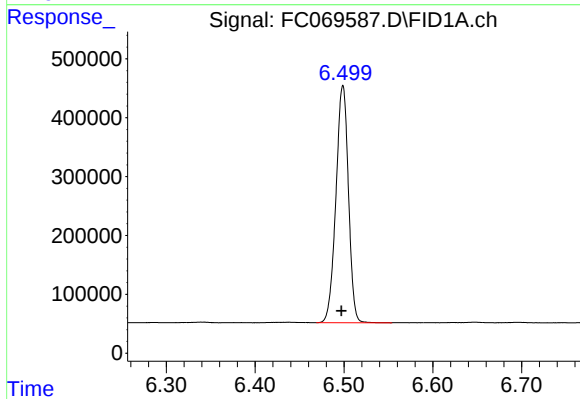
#2 n-Decane (C10)

R.T.: 4.475 min
Delta R.T.: 0.002 min
Response: 3568504
Conc: 24.55 ug/ml



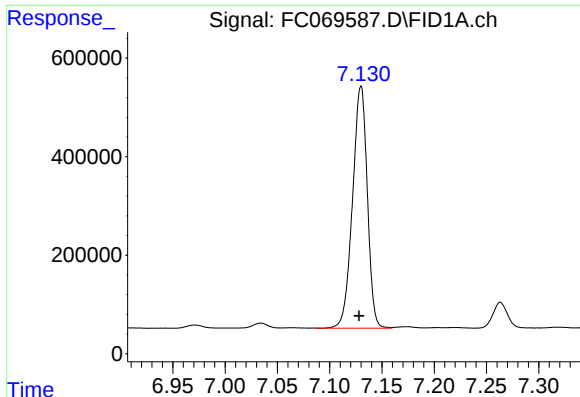
#3 A~Naphthalene (C11.7)

R.T.: 6.070 min
Delta R.T.: 0.002 min
Response: 4493507
Conc: 28.96 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.499 min
Delta R.T.: 0.002 min
Response: 3937970
Conc: 26.94 ug/ml



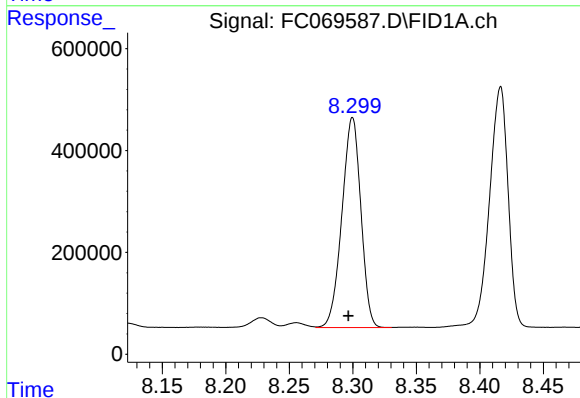
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.130 min
Delta R.T.: 0.002 min
Response: 4833478
Conc: 32.82 ug/ml

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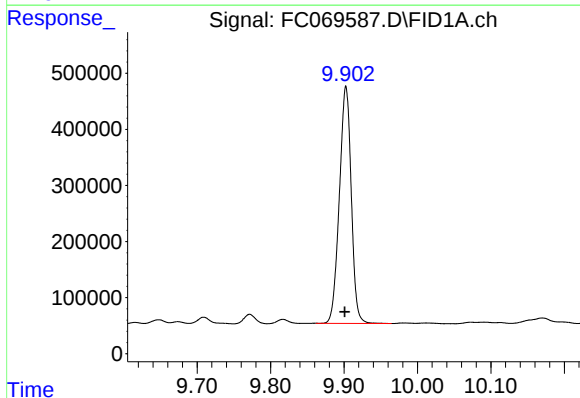
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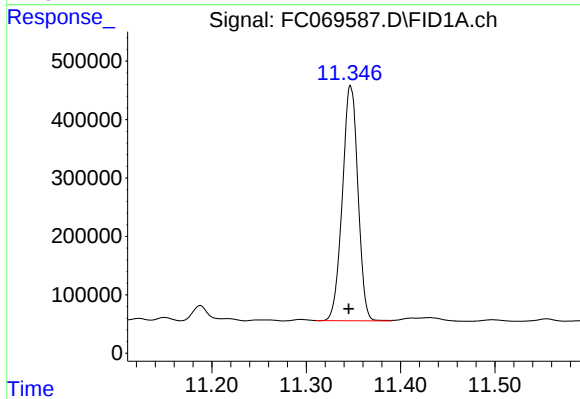
#6 n-Tetradecane (C14)

R.T.: 8.300 min
Delta R.T.: 0.003 min
Response: 4276603
Conc: 29.97 ug/ml



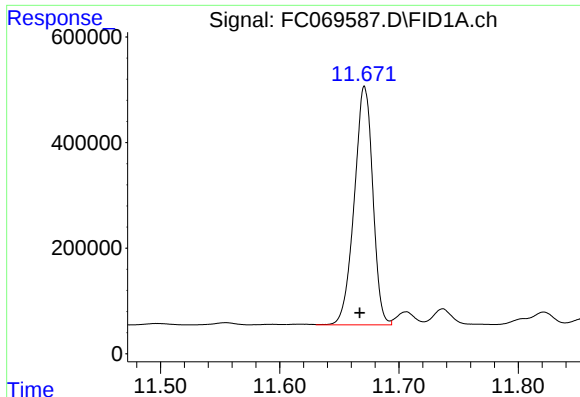
#7 n-Hexadecane (C16)

R.T.: 9.903 min
Delta R.T.: 0.002 min
Response: 4761969
Conc: 33.03 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.347 min
Delta R.T.: 0.002 min
Response: 4619349
Conc: 32.67 ug/ml



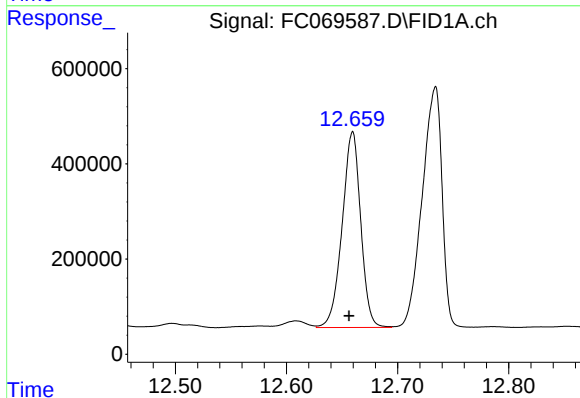
#9 ortho-Terphenyl (SURR)

R.T.: 11.671 min
Delta R.T.: 0.004 min
Response: 4869671
Conc: 32.64 ug/ml

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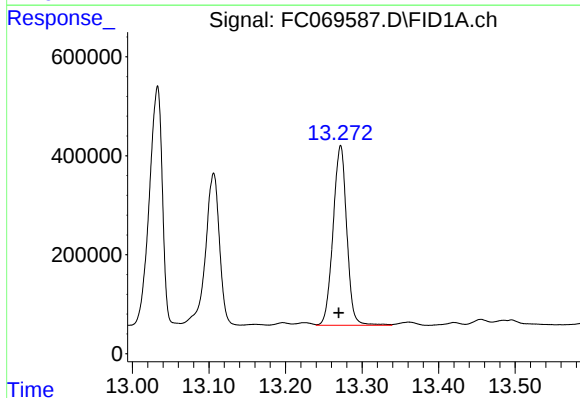
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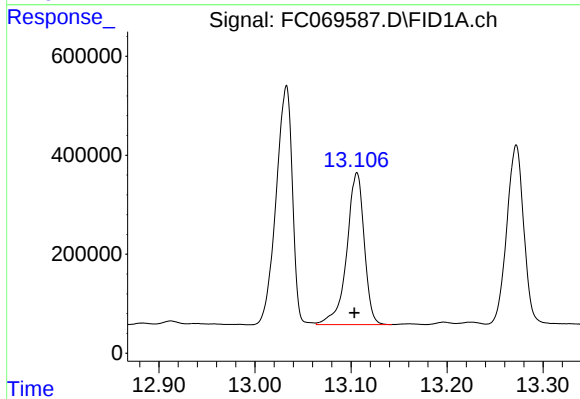
#10 n-Eicosane (C20)

R.T.: 12.659 min
Delta R.T.: 0.003 min
Response: 4773057
Conc: 36.23 ug/ml



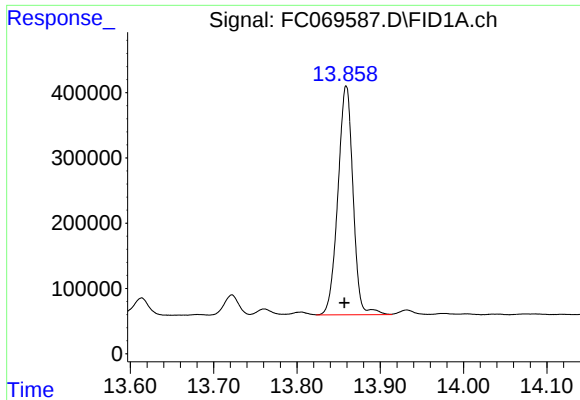
#11 n-Heneicosane (C21)

R.T.: 13.272 min
Delta R.T.: 0.002 min
Response: 4514254
Conc: 35.39 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.106 min
Delta R.T.: 0.002 min
Response: 3875604
Conc: 35.55 ug/ml



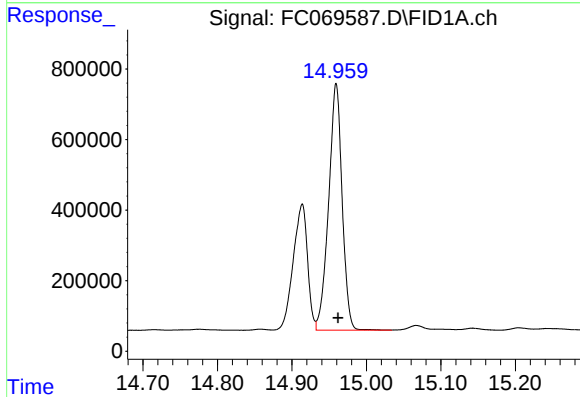
#13 n-Docosane (C22)

R.T.: 13.859 min
Delta R.T.: 0.002 min
Response: 4416900
Conc: 35.36 ug/ml

Instrument :
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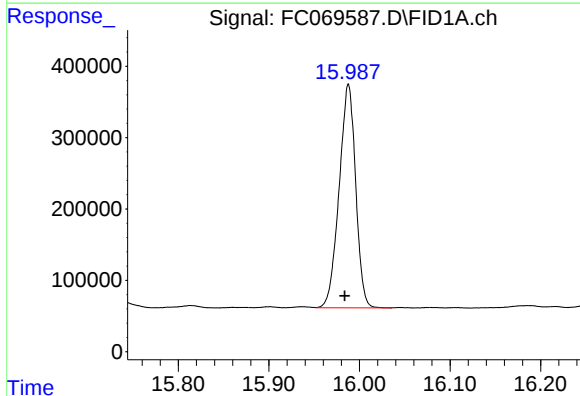
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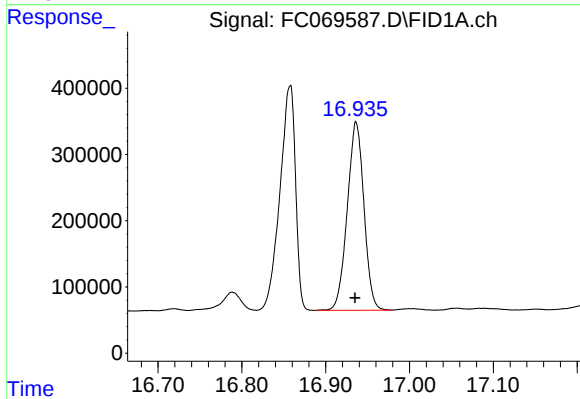
#14 n-Tetracosane (C24)

R.T.: 14.959 min
Delta R.T.: -0.003 min
Response: 8811747
Conc: 73.02 ug/ml



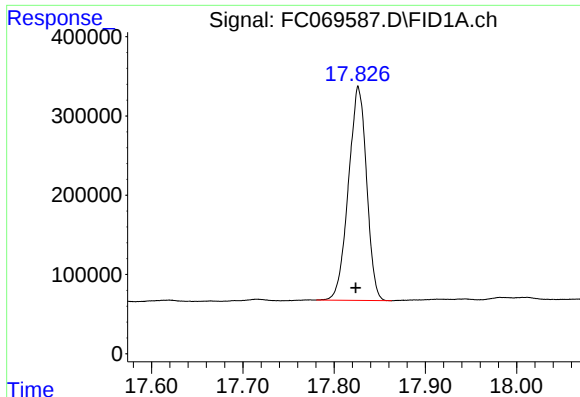
#15 n-Hexacosane (C26)

R.T.: 15.988 min
Delta R.T.: 0.004 min
Response: 3970358
Conc: 34.36 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.936 min
Delta R.T.: 0.001 min
Response: 3933681
Conc: 35.09 ug/ml



#17 n-Tricontane (C30)

R.T.: 17.827 min
Delta R.T.: 0.003 min
Response: 3725066
Conc: 32.53 ug/ml

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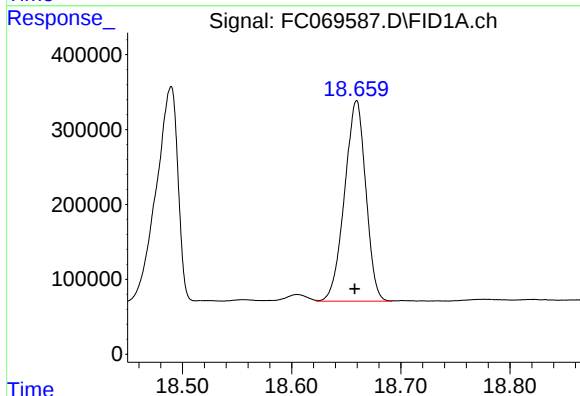
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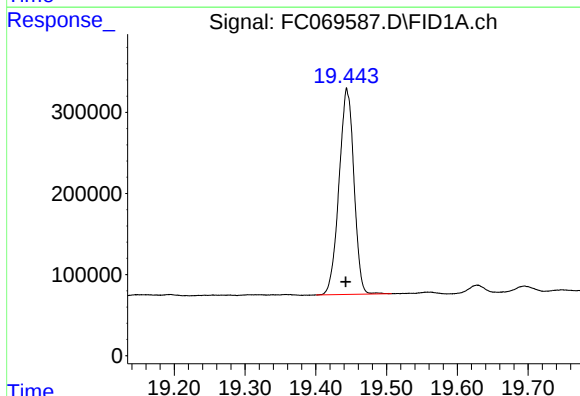
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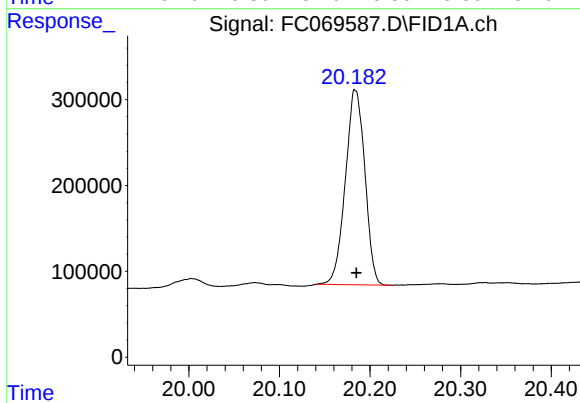
#18 n-Dotriacontane (C32)

R.T.: 18.659 min
Delta R.T.: 0.002 min
Response: 3616117
Conc: 32.55 ug/ml m



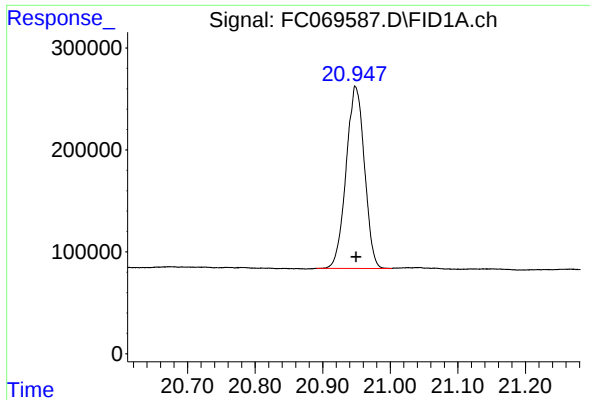
#19 n-Tetratriacontane (C34)

R.T.: 19.444 min
Delta R.T.: 0.002 min
Response: 3710651
Conc: 36.44 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.184 min
Delta R.T.: 0.000 min
Response: 3397956
Conc: 38.11 ug/ml



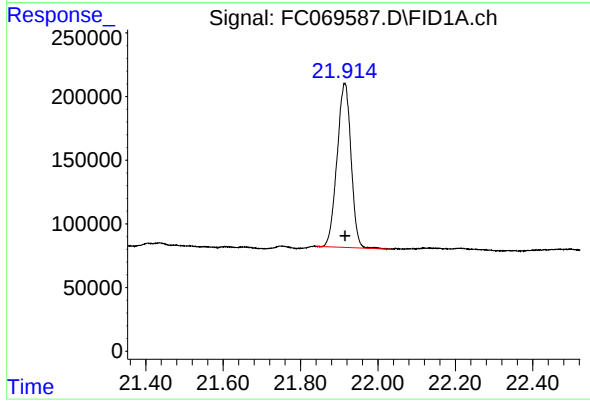
#21 n-Octatriacontane (C38)

R.T.: 20.949 min
Delta R.T.: 0.000 min
Response: 3365208
Conc: 41.83 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.914 min
Delta R.T.: 0.000 min
Response: 3222835
Conc: 43.04 ug/ml