

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061225AL\
 Data File : FC069193.D
 Signal(s) : FID1A.ch
 Acq On : 12 Jun 2025 22:03
 Operator : YP/AJ
 Sample : PB168441BS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB168441BS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/13/2025
 Supervised By :mohammad ahmed 06/16/2025

Integration File: autoint1.e
 Quant Time: Jun 13 02:18:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 01:48:55 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			
12) S 1-chlorooctadecane (S...	13.115	3178930	35.434 ug/ml
Spiked Amount 50.000		Recovery =	70.87%
Target Compounds			
1) T n-Nonane (C9)	3.405	2515512	23.704 ug/ml
2) T n-Decane (C10)	4.481	3083116	29.111 ug/mlm
4) T n-Dodecane (C12)	6.508	3479844	33.103 ug/ml
6) T n-Tetradecane (C14)	8.307	3614447	35.262 ug/ml
7) T n-Hexadecane (C16)	9.912	3789641	37.348 ug/ml
8) T n-Octadecane (C18)	11.357	3954431	39.566 ug/ml
10) T n-Eicosane (C20)	12.669	4144675	42.554 ug/ml
11) T n-Heneicosane (C21)	13.283	4003441	41.593 ug/ml
13) T n-Docosane (C22)	13.870	4008133	42.072 ug/ml
14) T n-Tetracosane (C24)	14.976	4063747	43.161 ug/ml
15) T n-Hexacosane (C26)	15.999	4074697	43.889 ug/ml
16) T n-Octacosane (C28)	16.950	4108058	44.195 ug/ml
17) T n-Tricontane (C30)	17.839	4194631	43.352 ug/ml
18) T n-Dotriacontane (C32)	18.674	4035917	40.727 ug/ml
19) T n-Tetratriacontane (C34)	19.459	3327099	34.521 ug/ml
20) T n-Hexatriacontane (C36)	20.198	2374046	25.008 ug/ml
21) T n-Octatriacontane (C38)	20.967	1767177	19.370 ug/ml
22) T n-Tetracontane (C40)	21.935	1334131	15.120 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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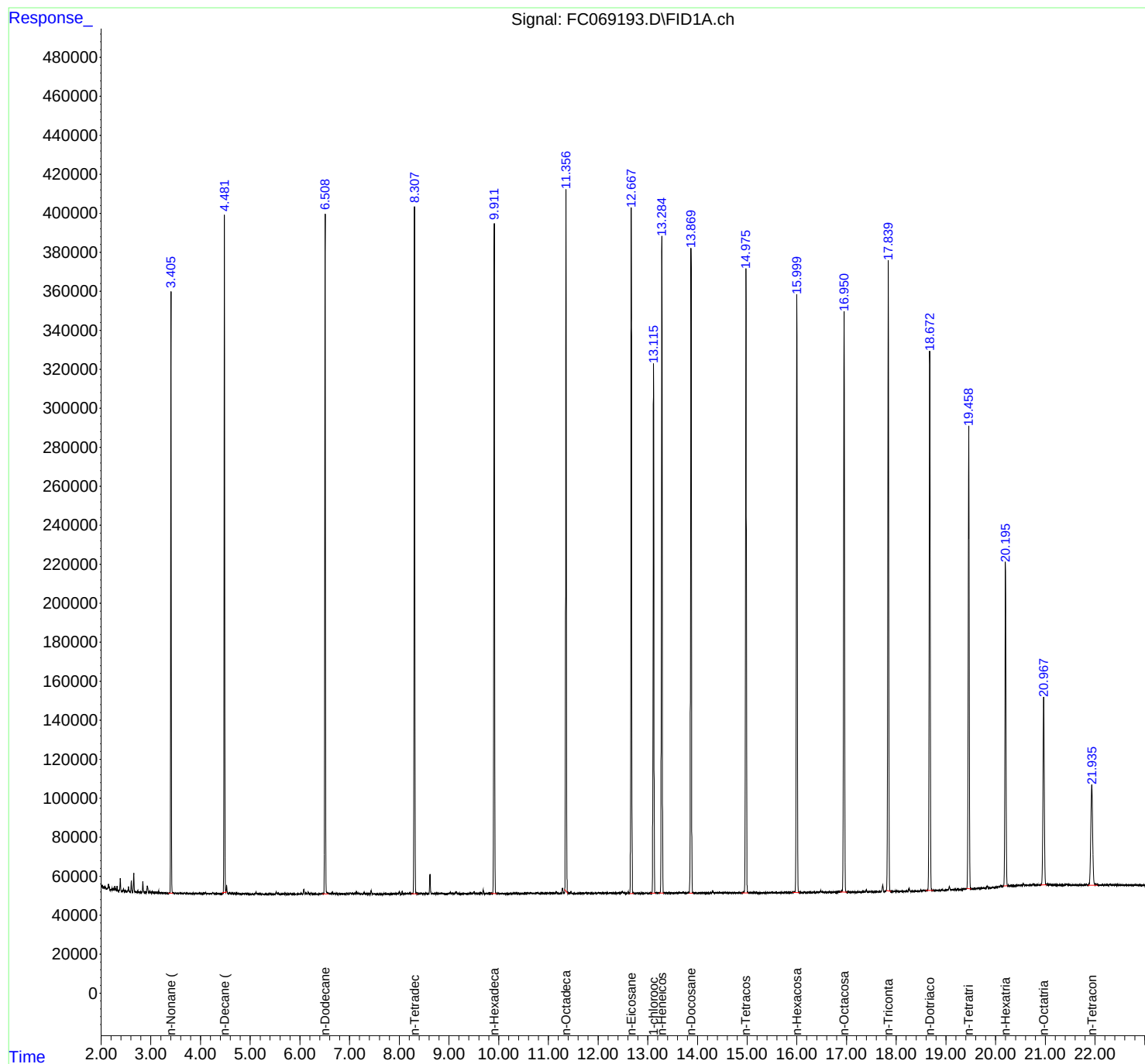
Response via : Initial Calibration

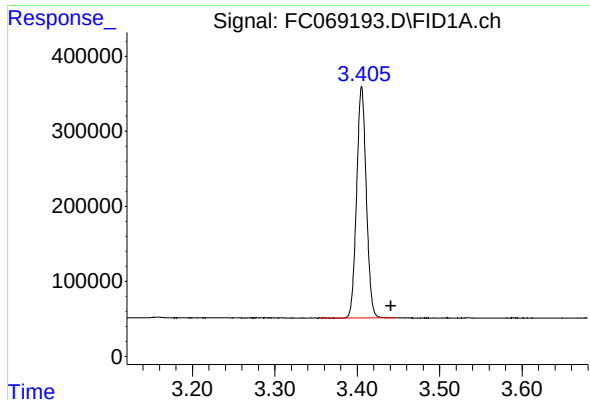
Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um





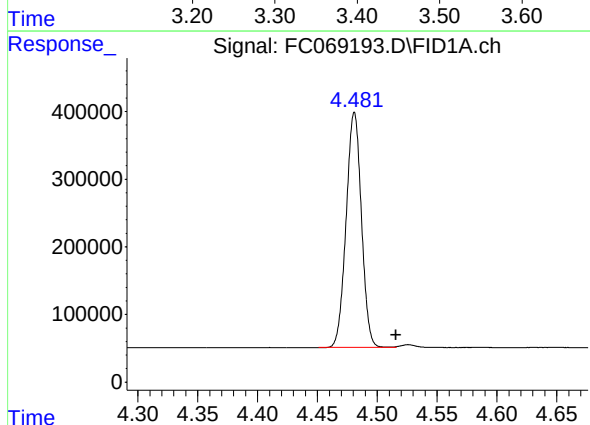
#1 n-Nonane (C9)

R.T.: 3.405 min
Delta R.T.: -0.036 min
Response: 2515512
Conc: 23.70 ug/ml

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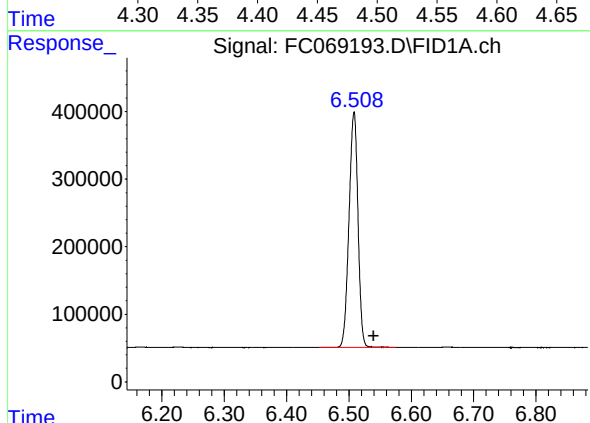
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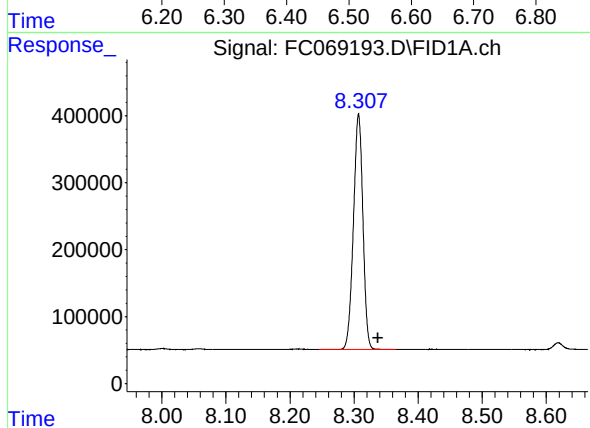
#2 n-Decane (C10)

R.T.: 4.481 min
Delta R.T.: -0.035 min
Response: 3083116
Conc: 29.11 ug/ml



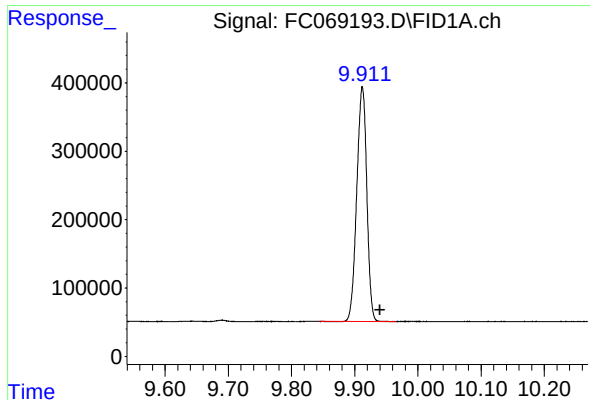
#4 n-Dodecane (C12)

R.T.: 6.508 min
Delta R.T.: -0.032 min
Response: 3479844
Conc: 33.10 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.307 min
Delta R.T.: -0.030 min
Response: 3614447
Conc: 35.26 ug/ml



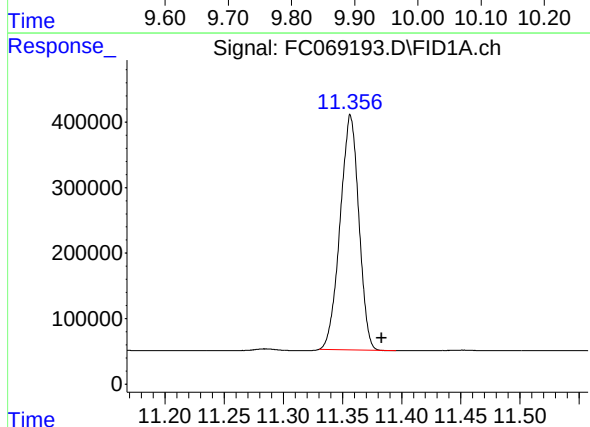
#7 n-Hexadecane (C16)

R.T.: 9.912 min
Delta R.T.: -0.028 min
Response: 3789641
Conc: 37.35 ug/ml

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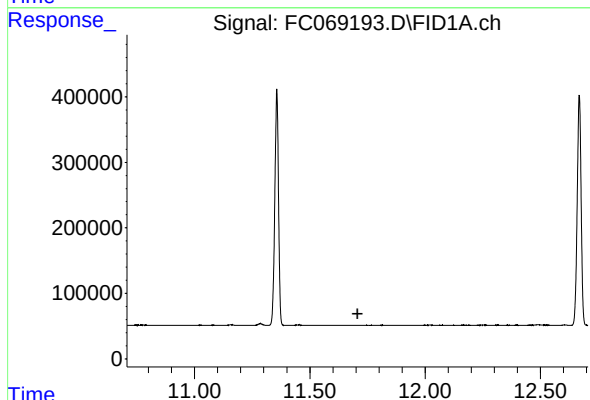
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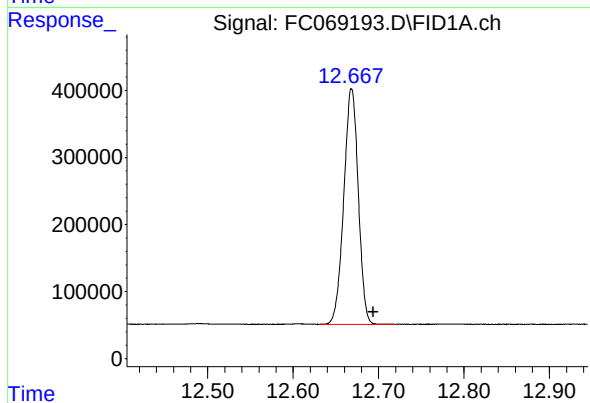
#8 n-Octadecane (C18)

R.T.: 11.357 min
Delta R.T.: -0.026 min
Response: 3954431
Conc: 39.57 ug/ml



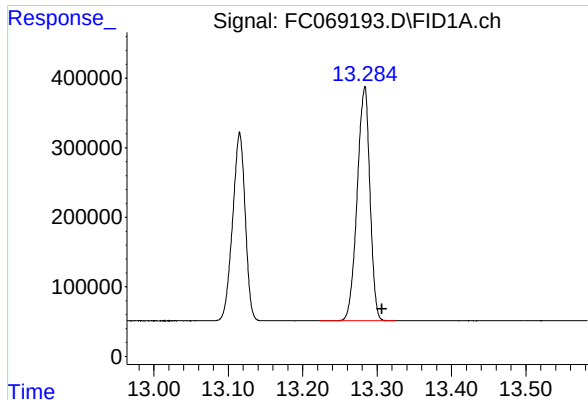
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.707 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.669 min
Delta R.T.: -0.025 min
Response: 4144675
Conc: 42.55 ug/ml



#11 n-Heneicosane (C21)

R.T.: 13.283 min
Delta R.T.: -0.024 min
Response: 4003441
Conc: 41.59 ug/ml

Instrument :

FID_C

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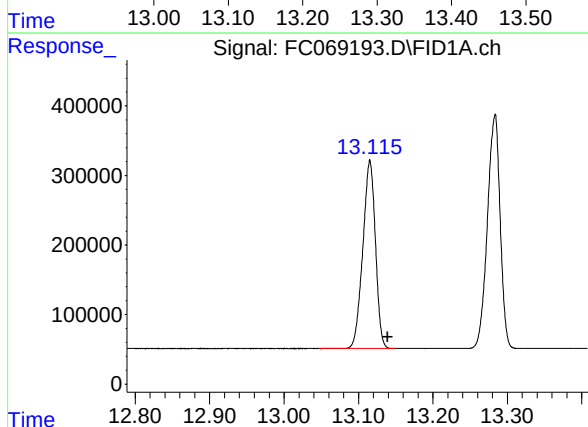
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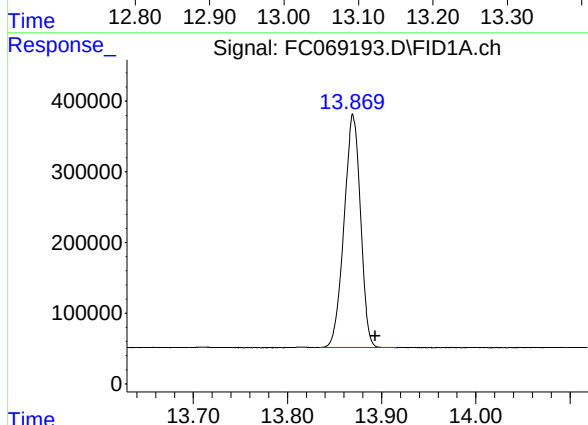
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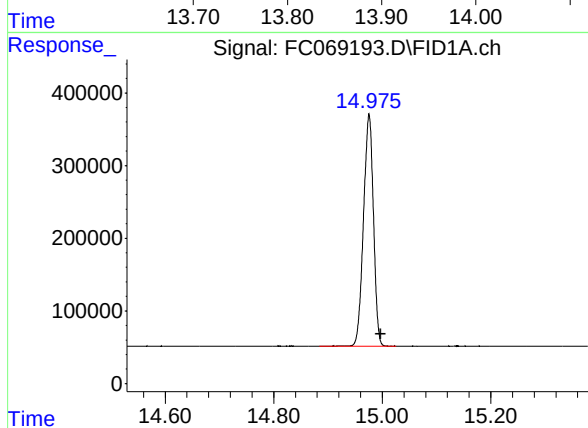
#12 1-chlorooctadecane (SURR)

R.T.: 13.115 min
Delta R.T.: -0.024 min
Response: 3178930
Conc: 35.43 ug/ml



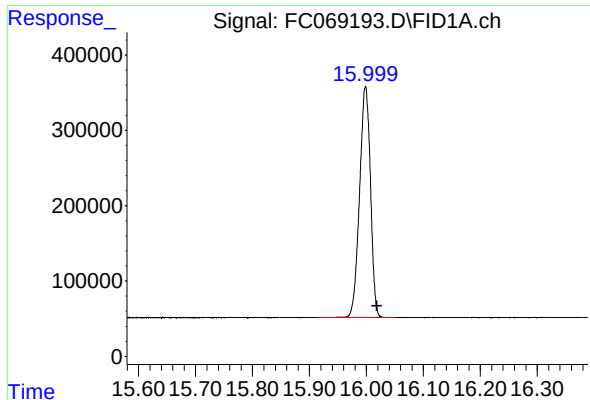
#13 n-Docosane (C22)

R.T.: 13.870 min
Delta R.T.: -0.024 min
Response: 4008133
Conc: 42.07 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.976 min
Delta R.T.: -0.021 min
Response: 4063747
Conc: 43.16 ug/ml



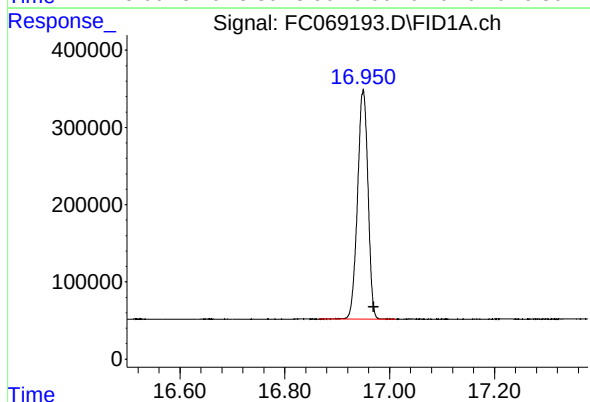
#15 n-Hexacosane (C26)

R.T.: 15.999 min
Delta R.T.: -0.020 min
Response: 4074697
Conc: 43.89 ug/ml

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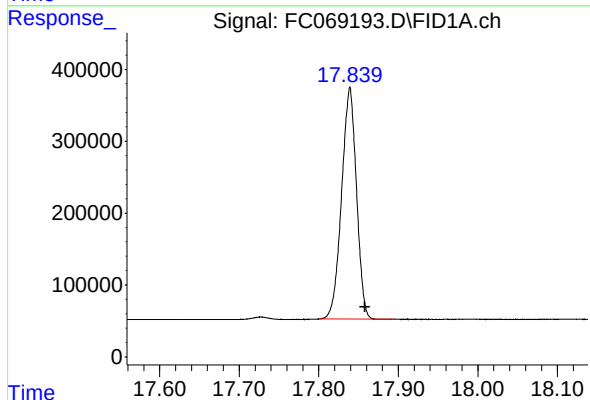
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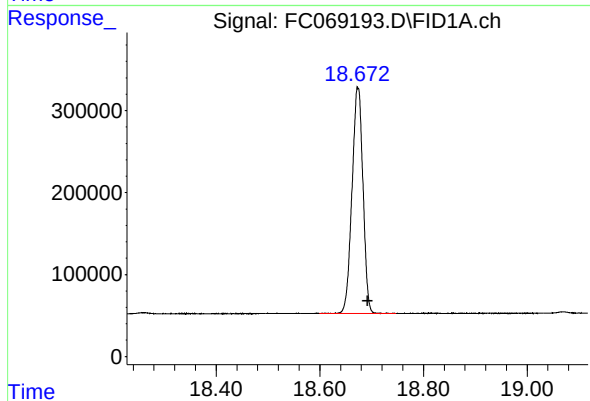
#16 n-Octacosane (C28)

R.T.: 16.950 min
Delta R.T.: -0.020 min
Response: 4108058
Conc: 44.20 ug/ml



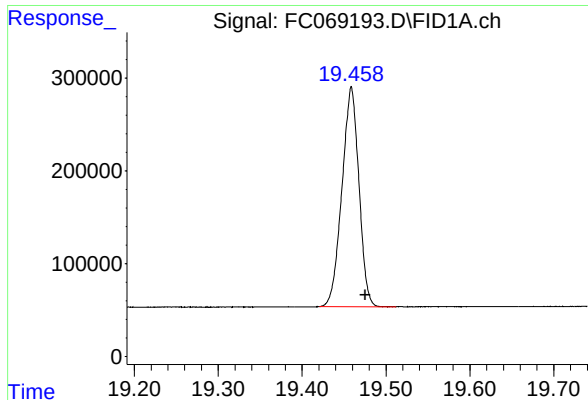
#17 n-Tricontane (C30)

R.T.: 17.839 min
Delta R.T.: -0.019 min
Response: 4194631
Conc: 43.35 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.674 min
Delta R.T.: -0.019 min
Response: 4035917
Conc: 40.73 ug/ml



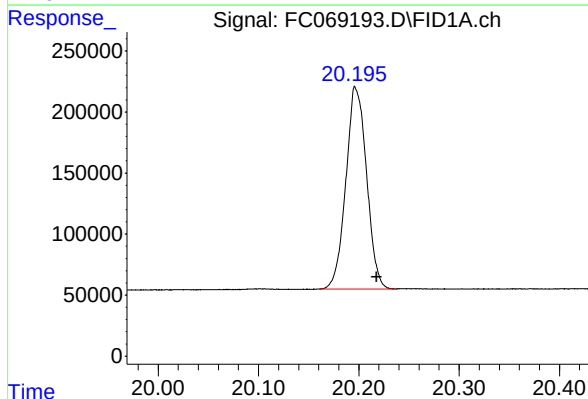
#19 n-Tetratriacontane (C34)

R.T.: 19.459 min
Delta R.T.: -0.017 min
Response: 3327099
Conc: 34.52 ug/ml

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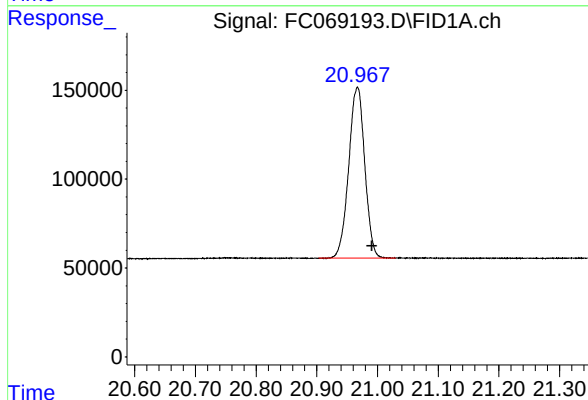
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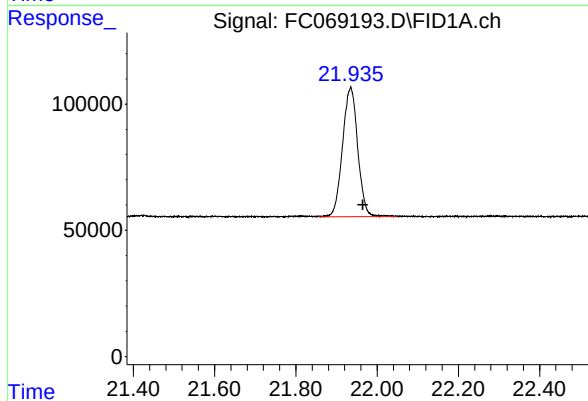
#20 n-Hexatriacontane (C36)

R.T.: 20.198 min
Delta R.T.: -0.020 min
Response: 2374046
Conc: 25.01 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.967 min
Delta R.T.: -0.024 min
Response: 1767177
Conc: 19.37 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.935 min
Delta R.T.: -0.030 min
Response: 1334131
Conc: 15.12 ug/ml m