

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
 Data File : FC069162.D
 Signal(s) : FID1A.ch
 Acq On : 11 Jun 2025 20:05
 Operator : YP/AJ
 Sample : Q2126-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/12/2025
 Supervised By :mohammad ahmed 06/13/2025

Integration File: autoint1.e
 Quant Time: Jun 12 06:05:48 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	3607159	40.207 ug/ml
Spiked Amount 50.000		Recovery =	80.41%
Target Compounds			
1) T n-Nonane (C9)	3.405	325496	3.067 ug/ml
2) T n-Decane (C10)	4.479	402951	3.805 ug/mlm
4) T n-Dodecane (C12)	6.505	432793	4.117 ug/ml
6) T n-Tetradecane (C14)	8.305	469754	4.583 ug/ml
7) T n-Hexadecane (C16)	9.909	455828	4.492 ug/ml
8) T n-Octadecane (C18)	11.354	482015	4.823 ug/ml
10) T n-Eicosane (C20)	12.666	494229	5.074 ug/ml
11) T n-Heneicosane (C21)	13.279	463856	4.819 ug/ml
13) T n-Docosane (C22)	13.867	470929	4.943 ug/ml
14) T n-Tetracosane (C24)	14.972	475627	5.052 ug/ml
15) T n-Hexacosane (C26)	15.995	468148	5.042 ug/ml
16) T n-Octacosane (C28)	16.947	463163	4.983 ug/ml
17) T n-Tricontane (C30)	17.836	478782	4.948 ug/ml
18) T n-Dotriacontane (C32)	18.671	487557	4.920 ug/ml
19) T n-Tetratriacontane (C34)	19.456	468028	4.856 ug/ml
20) T n-Hexatriacontane (C36)	20.198	426605	4.494 ug/ml
21) T n-Octatriacontane (C38)	20.968	383465	4.203 ug/ml
22) T n-Tetracontane (C40)	21.935	358334	4.061 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP/AJ
Sample : Q2126-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

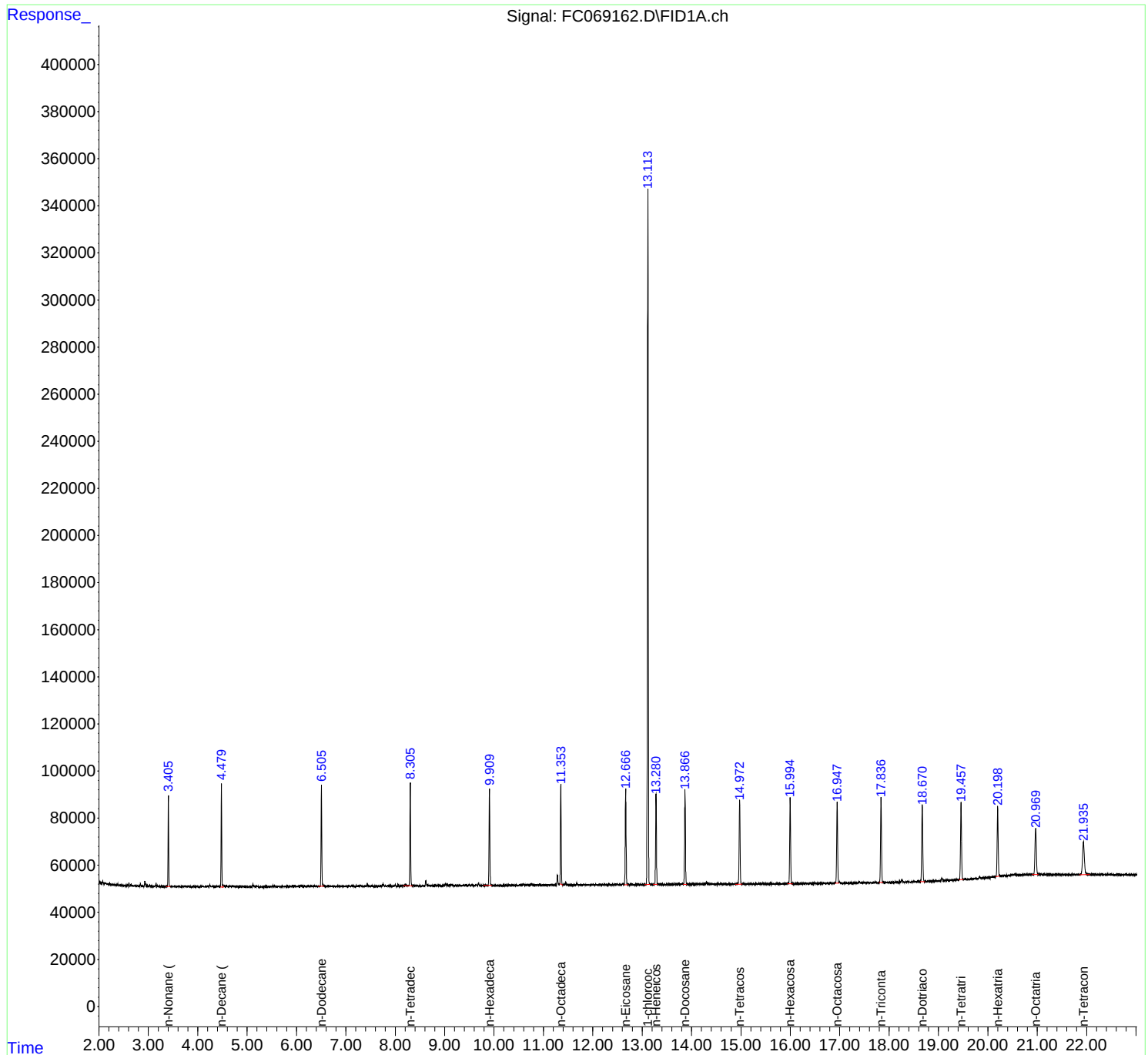
Instrument :
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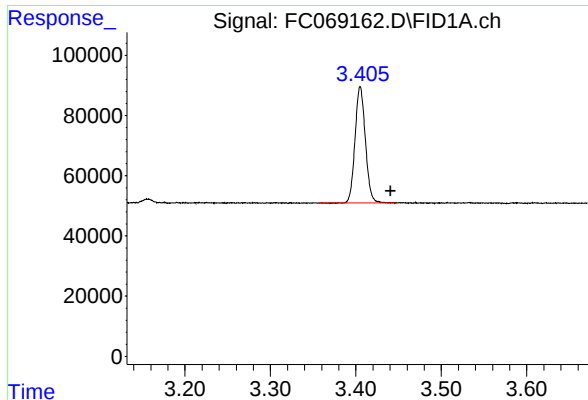
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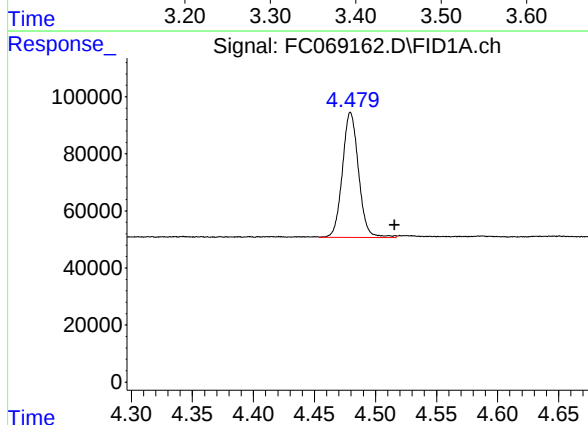
#1 n-Nonane (C9)

R.T.: 3.405 min
Delta R.T.: -0.036 min
Response: 325496
Conc: 3.07 ug/ml

Instrument :
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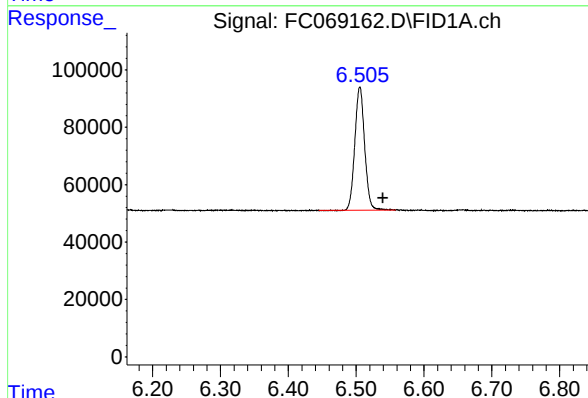
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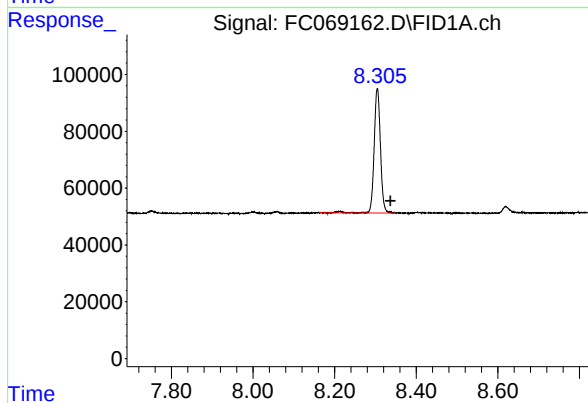
#2 n-Decane (C10)

R.T.: 4.479 min
Delta R.T.: -0.036 min
Response: 402951
Conc: 3.80 ug/ml m



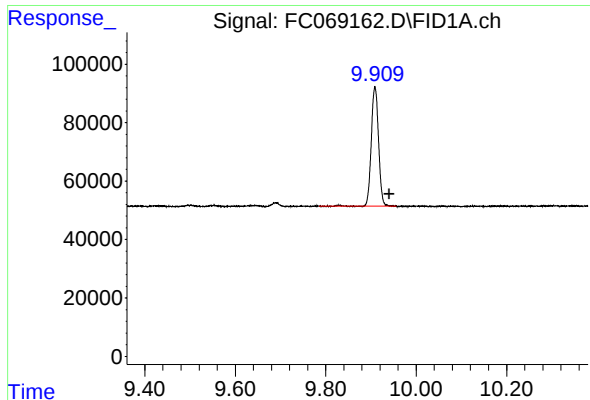
#4 n-Dodecane (C12)

R.T.: 6.505 min
Delta R.T.: -0.034 min
Response: 432793
Conc: 4.12 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.305 min
Delta R.T.: -0.033 min
Response: 469754
Conc: 4.58 ug/ml



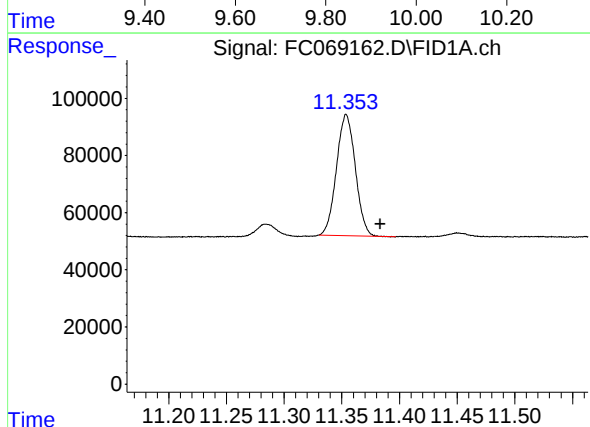
#7 n-Hexadecane (C16)

R.T.: 9.909 min
Delta R.T.: -0.031 min
Response: 455828
Conc: 4.49 ug/ml

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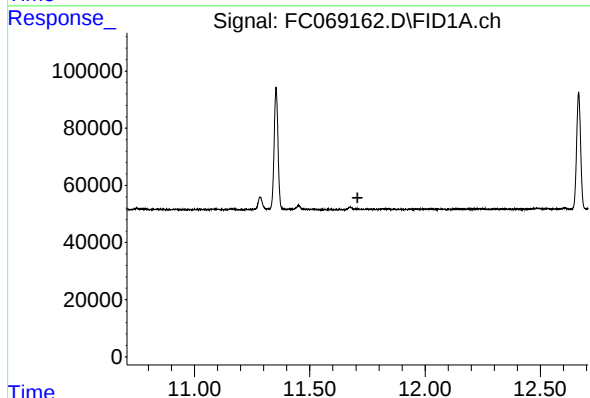
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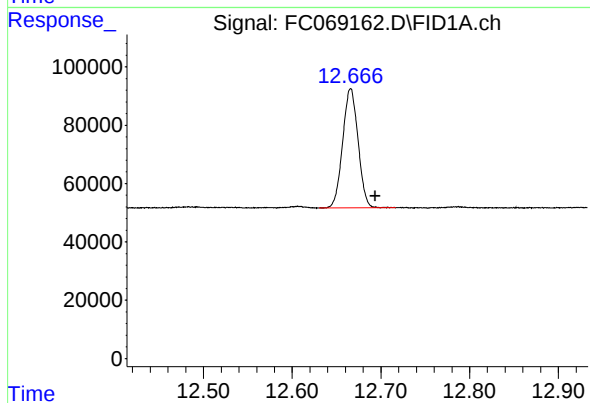
#8 n-Octadecane (C18)

R.T.: 11.354 min
Delta R.T.: -0.029 min
Response: 482015
Conc: 4.82 ug/ml



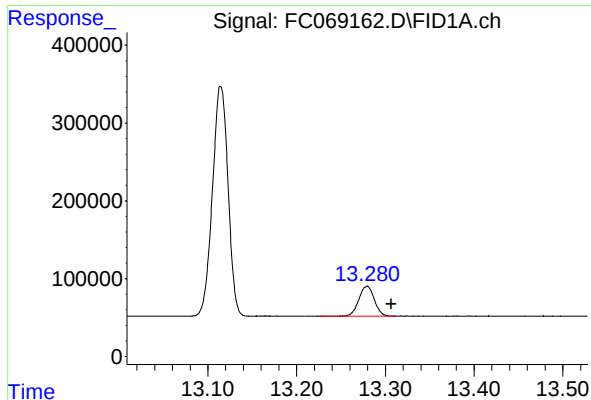
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

R.T.: 12.666 min
Delta R.T.: -0.028 min
Response: 494229
Conc: 5.07 ug/ml



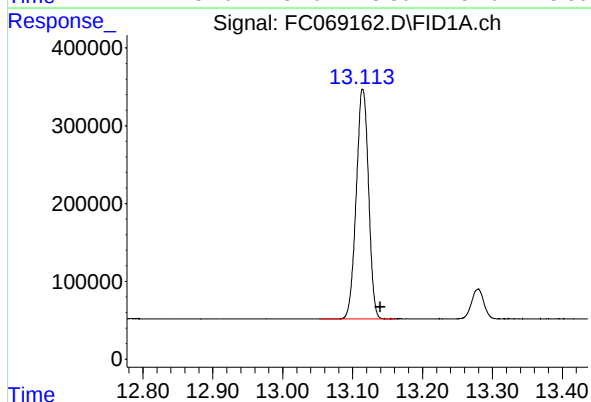
#11 n-Heneicosane (C21)

R.T.: 13.279 min
Delta R.T.: -0.028 min
Response: 463856
Conc: 4.82 ug/ml

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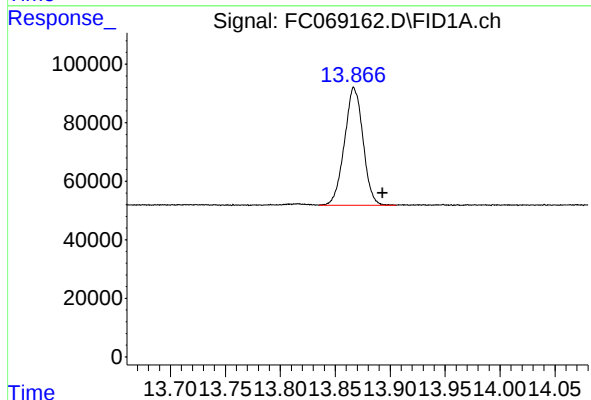
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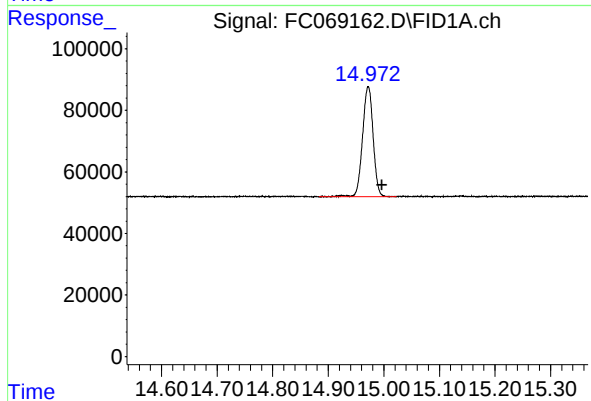
#12 1-chlorooctadecane (SURR)

R.T.: 13.115 min
Delta R.T.: -0.025 min
Response: 3607159
Conc: 40.21 ug/ml



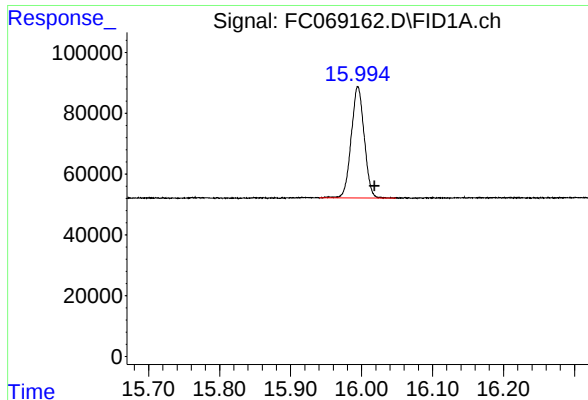
#13 n-Docosane (C22)

R.T.: 13.867 min
Delta R.T.: -0.026 min
Response: 470929
Conc: 4.94 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.972 min
Delta R.T.: -0.025 min
Response: 475627
Conc: 5.05 ug/ml



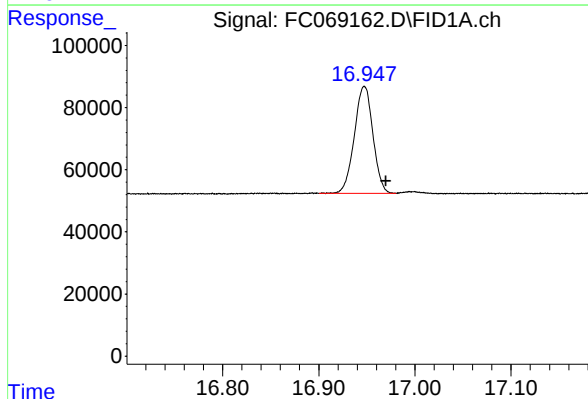
#15 n-Hexacosane (C26)

R.T.: 15.995 min
Delta R.T.: -0.024 min
Response: 468148
Conc: 5.04 ug/ml

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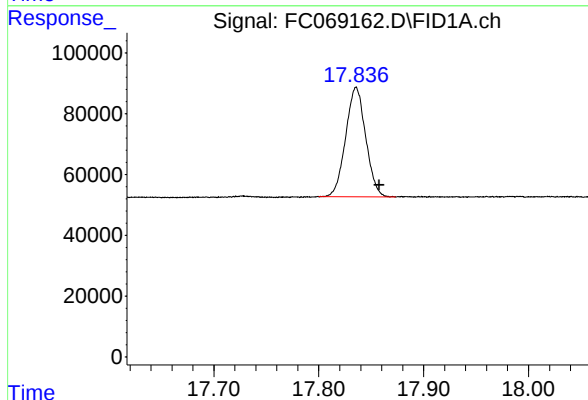
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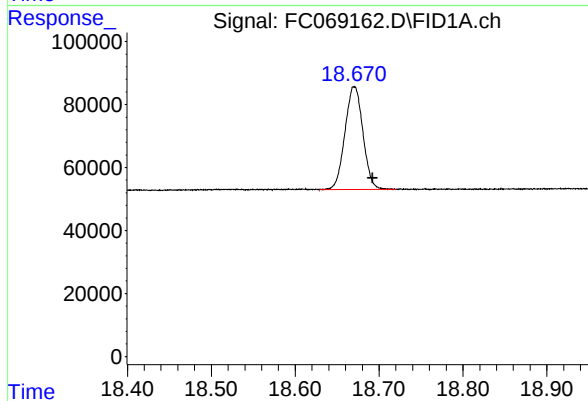
#16 n-Octacosane (C28)

R.T.: 16.947 min
Delta R.T.: -0.022 min
Response: 463163
Conc: 4.98 ug/ml



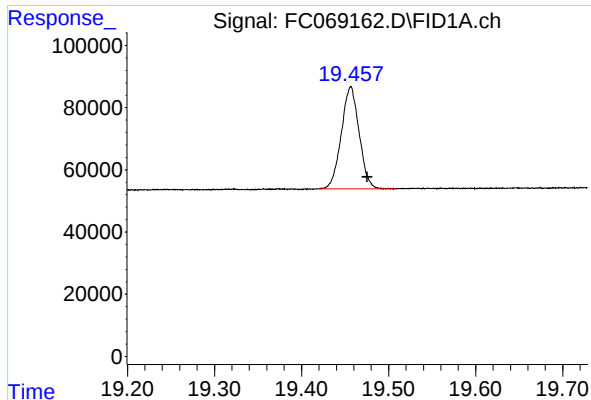
#17 n-Tricontane (C30)

R.T.: 17.836 min
Delta R.T.: -0.022 min
Response: 478782
Conc: 4.95 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.671 min
Delta R.T.: -0.022 min
Response: 487557
Conc: 4.92 ug/ml



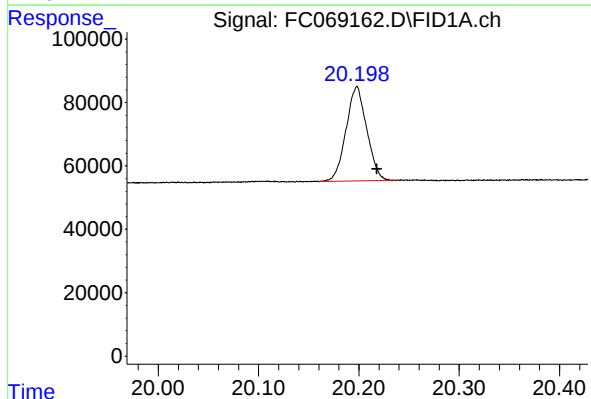
#19 n-Tetratriacontane (C34)

R.T.: 19.456 min
Delta R.T.: -0.019 min
Response: 468028
Conc: 4.86 ug/ml

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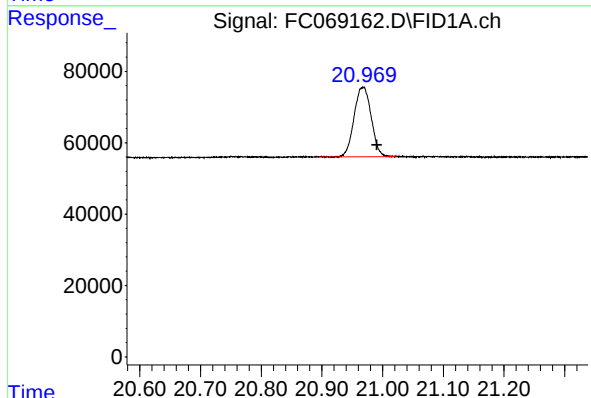
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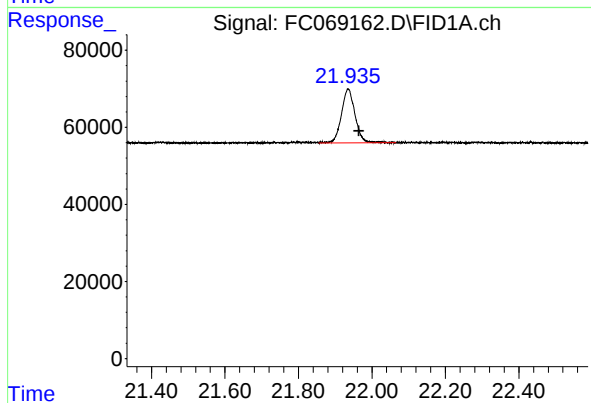
#20 n-Hexatriacontane (C36)

R.T.: 20.198 min
Delta R.T.: -0.020 min
Response: 426605
Conc: 4.49 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.968 min
Delta R.T.: -0.023 min
Response: 383465
Conc: 4.20 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.935 min
Delta R.T.: -0.030 min
Response: 358334
Conc: 4.06 ug/ml m