

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
 Data File : FC069160.D
 Signal(s) : FID1A.ch
 Acq On : 11 Jun 2025 18:39
 Operator : YP/AJ
 Sample : Q2126-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 LOD-MDL-SOIL-03-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 06:05:14 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	3043069	33.920 ug/ml
Spiked Amount 50.000		Recovery =	67.84%
Target Compounds			
1) T n-Nonane (C9)	3.401	137735	1.298 ug/ml
2) T n-Decane (C10)	4.477	167716	1.584 ug/mlm
4) T n-Dodecane (C12)	6.504	188572	1.794 ug/ml
6) T n-Tetradecane (C14)	8.304	210369	2.052 ug/ml
7) T n-Hexadecane (C16)	9.909	185700	1.830 ug/ml
8) T n-Octadecane (C18)	11.354	199705	1.998 ug/ml
10) T n-Eicosane (C20)	12.666	200428	2.058 ug/ml
11) T n-Heneicosane (C21)	13.280	184084	1.913 ug/ml
13) T n-Docosane (C22)	13.867	198906	2.088 ug/ml
14) T n-Tetracosane (C24)	14.973	203321	2.159 ug/ml
15) T n-Hexacosane (C26)	15.995	192477	2.073 ug/ml
16) T n-Octacosane (C28)	16.948	196119	2.110 ug/ml
17) T n-Tricontane (C30)	17.837	201069	2.078 ug/ml
18) T n-Dotriacontane (C32)	18.672	208895	2.108 ug/ml
19) T n-Tetratriacontane (C34)	19.457	203422	2.111 ug/ml
20) T n-Hexatriacontane (C36)	20.198	202659	2.135 ug/ml
21) T n-Octatriacontane (C38)	20.968	252414	2.767 ug/ml
22) T n-Tetracontane (C40)	21.936	346903	3.932 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 14 Sample Multiplier: 1

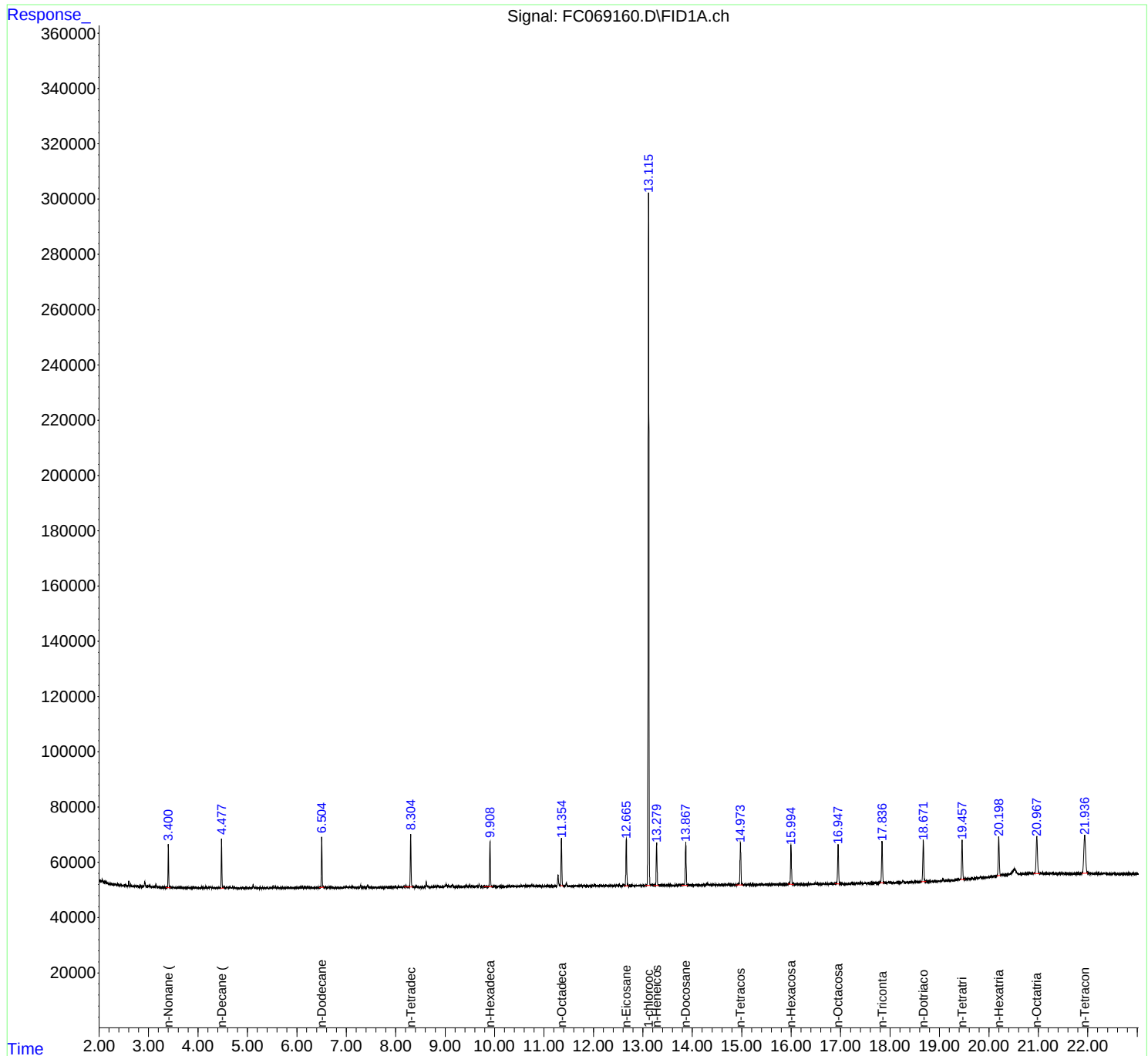
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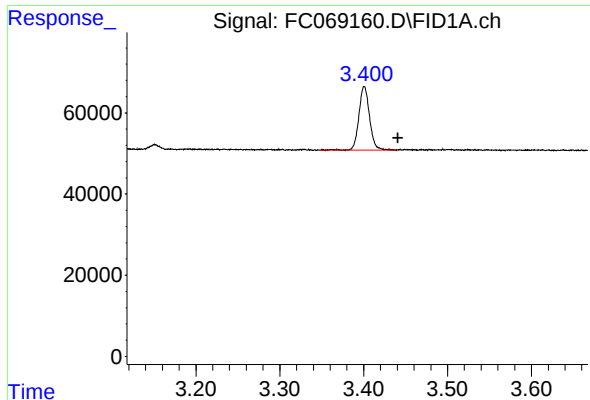
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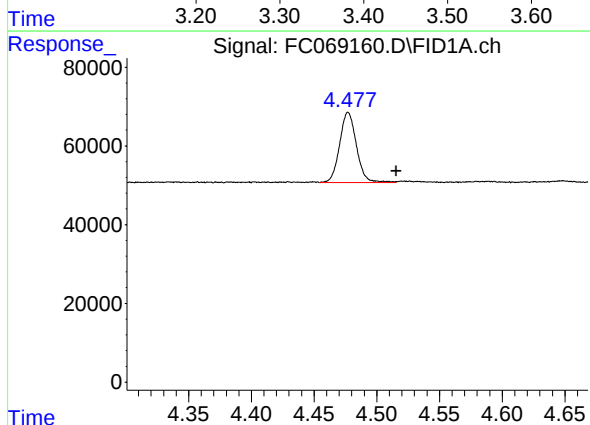
#1 n-Nonane (C9)

R.T.: 3.401 min
Delta R.T.: -0.040 min
Response: 137735
Conc: 1.30 ug/ml

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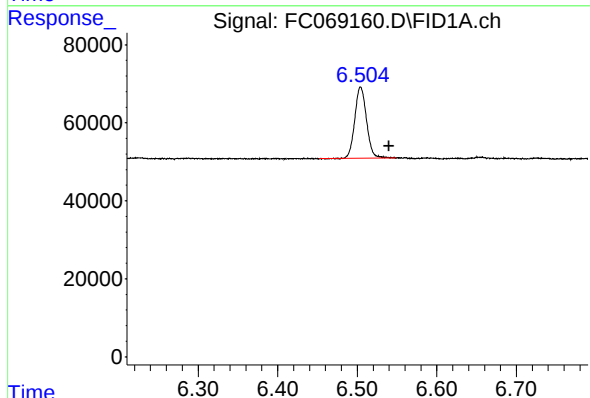
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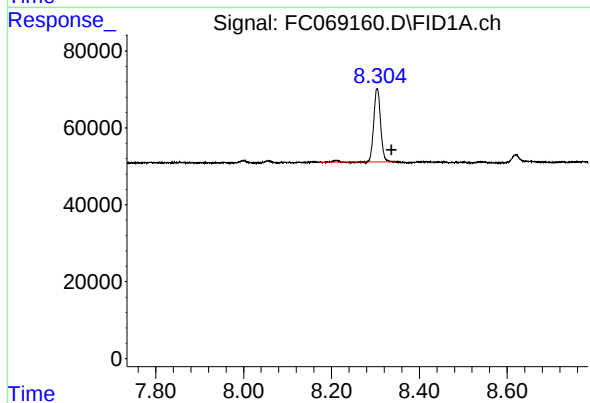
#2 n-Decane (C10)

R.T.: 4.477 min
Delta R.T.: -0.039 min
Response: 167716
Conc: 1.58 ug/ml



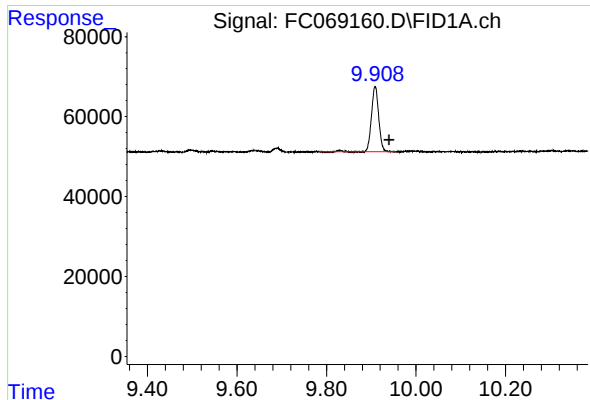
#4 n-Dodecane (C12)

R.T.: 6.504 min
Delta R.T.: -0.035 min
Response: 188572
Conc: 1.79 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.304 min
Delta R.T.: -0.033 min
Response: 210369
Conc: 2.05 ug/ml



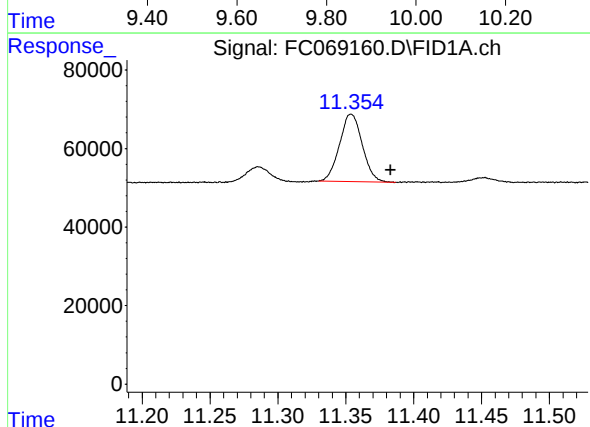
#7 n-Hexadecane (C16)

R.T.: 9.909 min
Delta R.T.: -0.031 min
Response: 185700
Conc: 1.83 ug/ml

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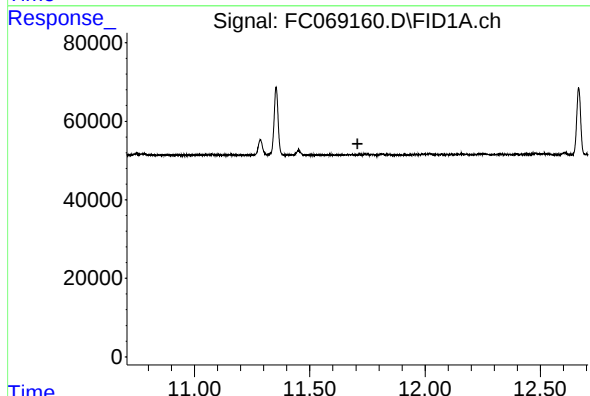
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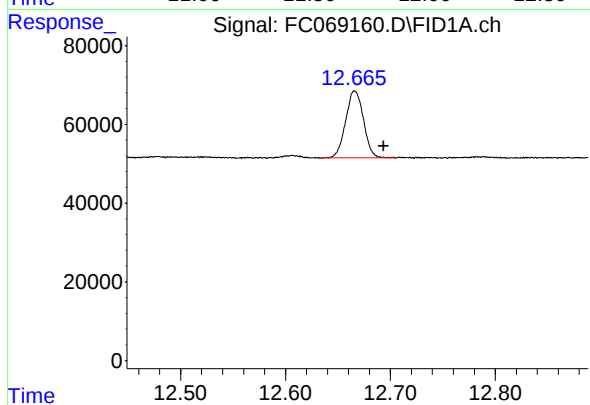
#8 n-Octadecane (C18)

R.T.: 11.354 min
Delta R.T.: -0.029 min
Response: 199705
Conc: 2.00 ug/ml



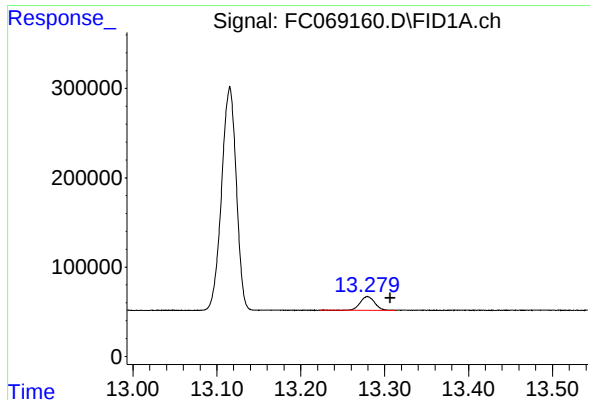
#9 ortho-Terphenyl (SURR)

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.: -0.027 min
Response: 200428
Conc: 2.06 ug/ml



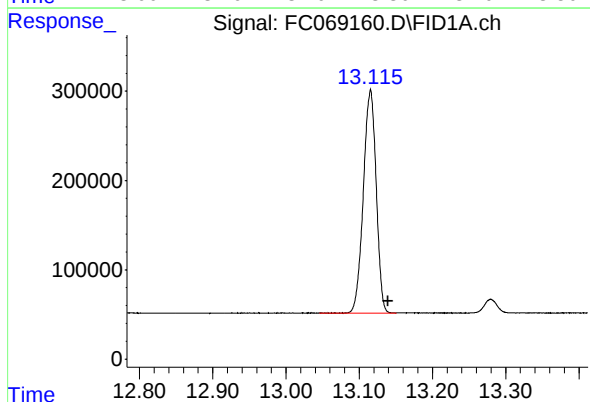
#11 n-Heneicosane (C21)

R.T.: 13.280 min
Delta R.T.: -0.027 min
Response: 184084
Conc: 1.91 ug/ml

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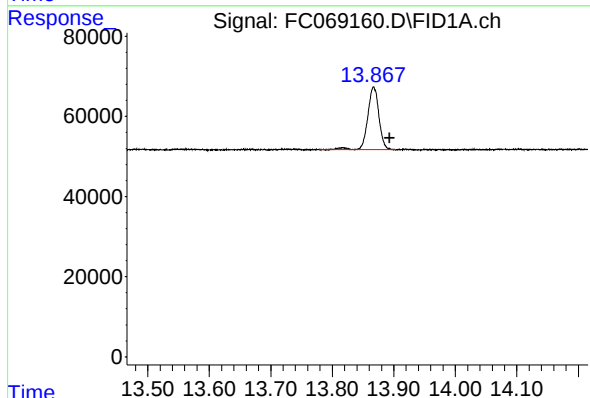
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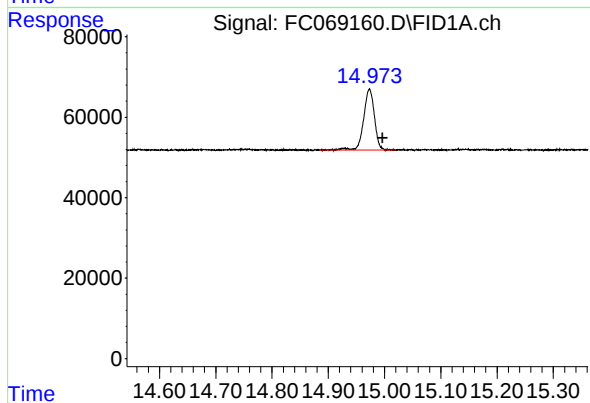
#12 1-chlorooctadecane (SURR)

R.T.: 13.115 min
Delta R.T.: -0.024 min
Response: 3043069
Conc: 33.92 ug/ml



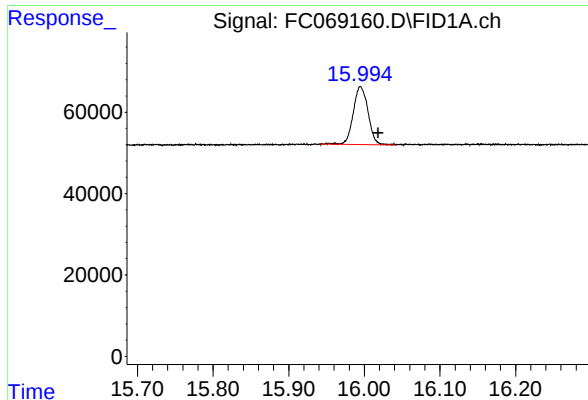
#13 n-Docosane (C22)

R.T.: 13.867 min
Delta R.T.: -0.026 min
Response: 198906
Conc: 2.09 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.973 min
Delta R.T.: -0.024 min
Response: 203321
Conc: 2.16 ug/ml



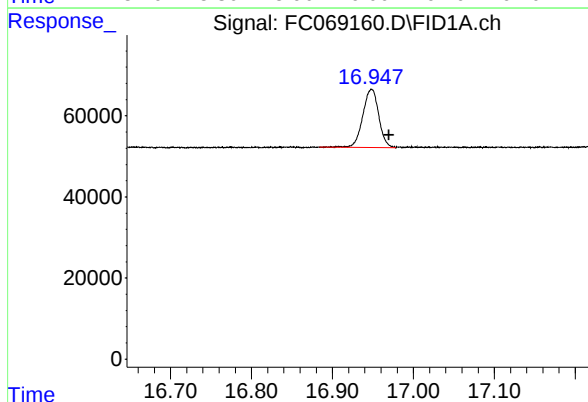
#15 n-Hexacosane (C26)

R.T.: 15.995 min
Delta R.T.: -0.023 min
Response: 192477
Conc: 2.07 ug/ml

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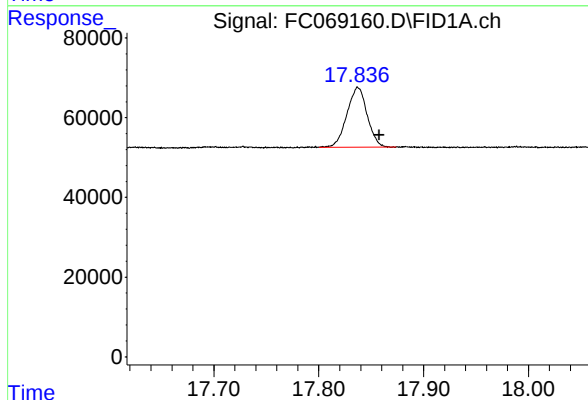
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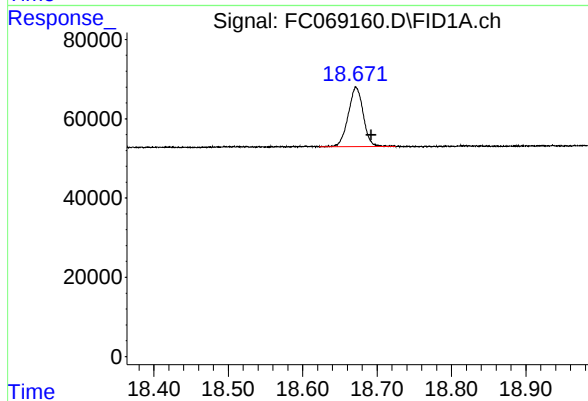
#16 n-Octacosane (C28)

R.T.: 16.948 min
Delta R.T.: -0.022 min
Response: 196119
Conc: 2.11 ug/ml



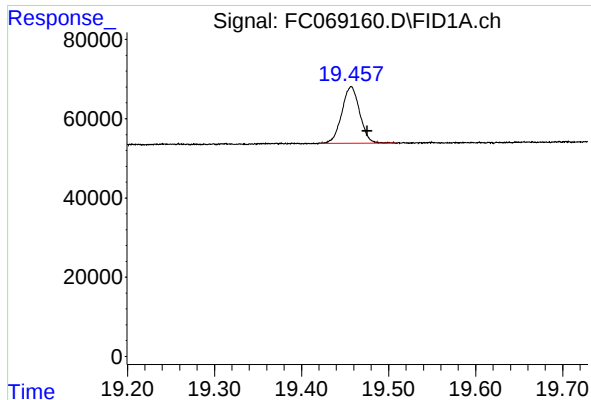
#17 n-Tricontane (C30)

R.T.: 17.837 min
Delta R.T.: -0.020 min
Response: 201069
Conc: 2.08 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.672 min
Delta R.T.: -0.020 min
Response: 208895
Conc: 2.11 ug/ml



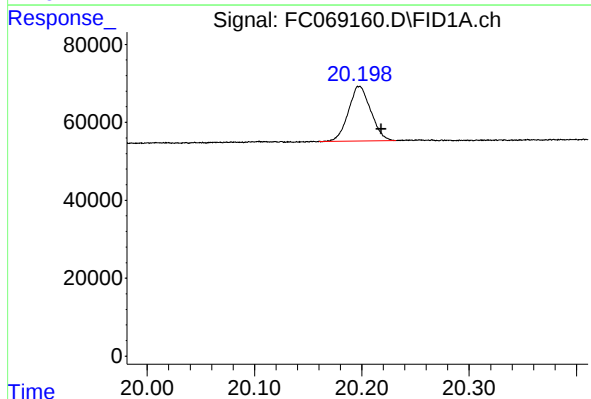
#19 n-Tetratriacontane (C34)

R.T.: 19.457 min
Delta R.T.: -0.019 min
Response: 203422
Conc: 2.11 ug/ml

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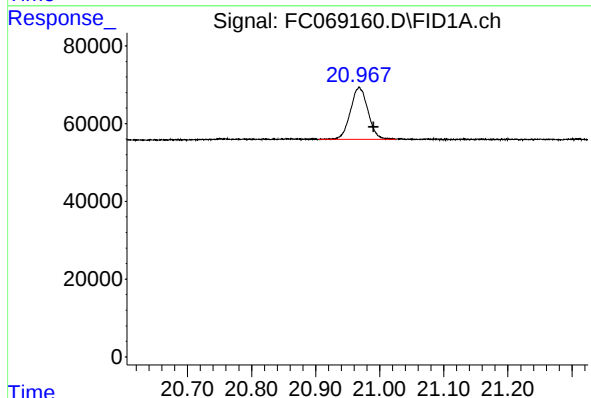
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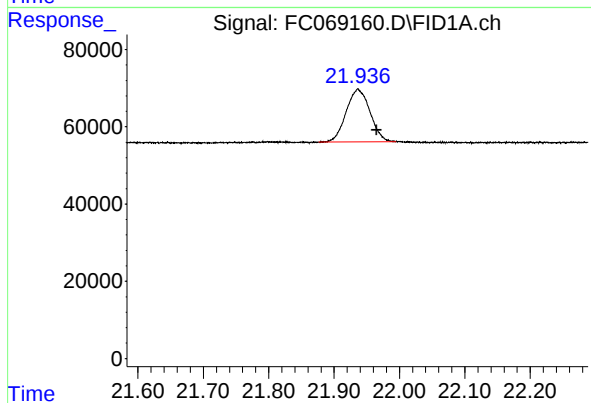
#20 n-Hexatriacontane (C36)

R.T.: 20.198 min
Delta R.T.: -0.020 min
Response: 202659
Conc: 2.13 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.968 min
Delta R.T.: -0.023 min
Response: 252414
Conc: 2.77 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.936 min
Delta R.T.: -0.029 min
Response: 346903
Conc: 3.93 ug/ml m