

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060425AL\
 Data File : FC069077.D
 Signal(s) : FID1A.ch
 Acq On : 04 Jun 2025 22:32
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/05/2025
 Supervised By :mohammad ahmed 06/06/2025

Integration File: autoint1.e
 Quant Time: Jun 05 08:05:29 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			
9) S ortho-Terphenyl (SURR)	11.675	2443276	19.809 ug/ml
Spiked Amount 50.000		Recovery =	39.62%
12) S 1-chlorooctadecane (S...	13.111	1761554	19.635 ug/ml
Spiked Amount 50.000		Recovery =	39.27%
Target Compounds			
1) T n-Nonane (C9)	3.401	2195850	20.692 ug/ml
2) T n-Decane (C10)	4.476	2195345	20.729 ug/ml
3) T A~Naphthalene (C11.7)	6.071	2375730	20.545 ug/ml
4) T n-Dodecane (C12)	6.503	2165444	20.599 ug/ml
5) T A~2-methylnaphthalene...	7.132	2317051	20.438 ug/ml
6) T n-Tetradecane (C14)	8.303	2077694	20.270 ug/ml
7) T n-Hexadecane (C16)	9.908	2020665	19.914 ug/ml
8) T n-Octadecane (C18)	11.354	1974513	19.756 ug/mlm
10) T n-Eicosane (C20)	12.665	1903055	19.539 ug/ml
11) T n-Heneicosane (C21)	13.279	1879860	19.530 ug/ml
13) T n-Docosane (C22)	13.866	1860860	19.533 ug/ml
14) T n-Tetracosane (C24)	14.971	1858356	19.738 ug/ml
15) T n-Hexacosane (C26)	15.994	1821377	19.618 ug/ml
16) T n-Octacosane (C28)	16.947	1832251	19.712 ug/ml
17) T n-Tricontane (C30)	17.836	1904208	19.680 ug/ml
18) T n-Dotriacontane (C32)	18.671	1948555	19.663 ug/ml
19) T n-Tetratriacontane (C34)	19.457	1873199	19.436 ug/ml
20) T n-Hexatriacontane (C36)	20.197	1842208	19.406 ug/ml
21) T n-Octatriacontane (C38)	20.966	1762986	19.324 ug/ml
22) T n-Tetracontane (C40)	21.936	1707277	19.349 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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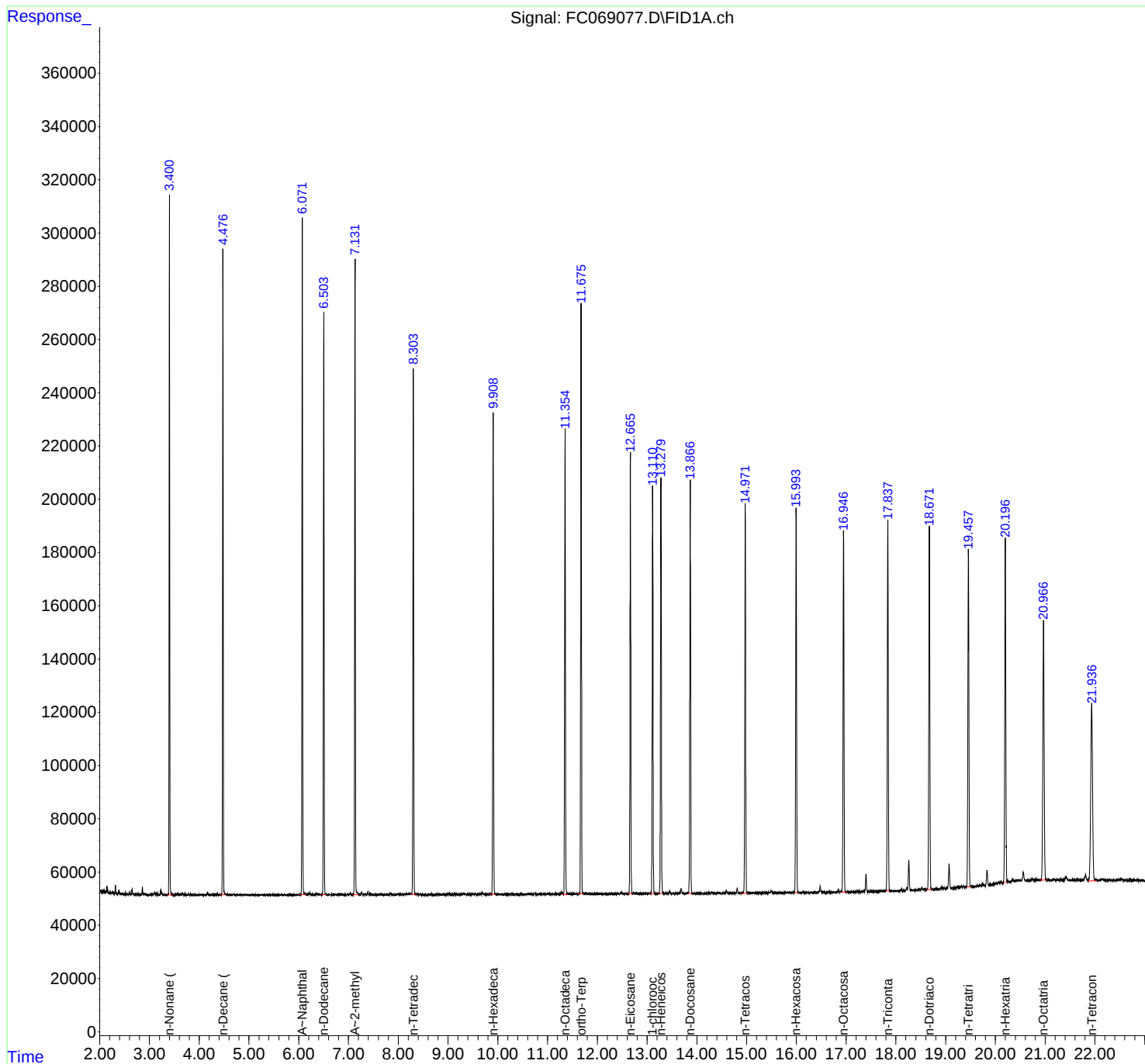
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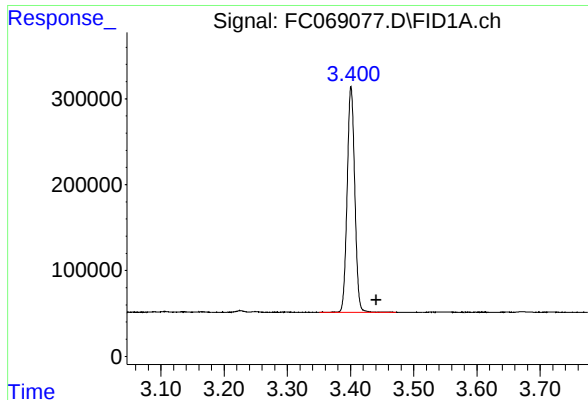
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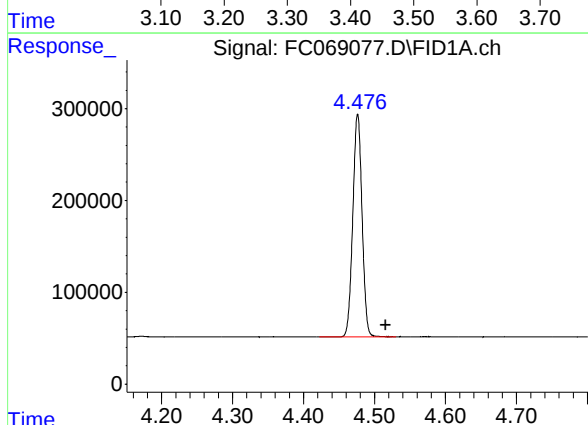
#1 n-Nonane (C9)

R.T.: 3.401 min
Delta R.T.: -0.040 min
Response: 2195850
Conc: 20.69 ug/ml

Instrument :
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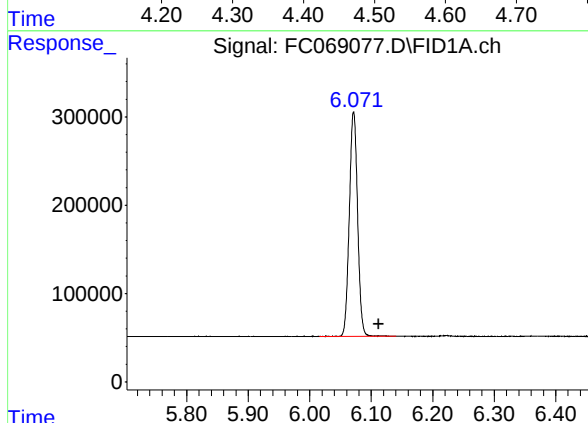
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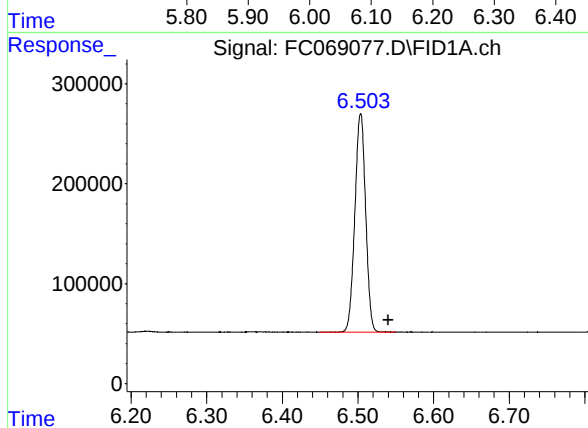
#2 n-Decane (C10)

R.T.: 4.476 min
Delta R.T.: -0.039 min
Response: 2195345
Conc: 20.73 ug/ml



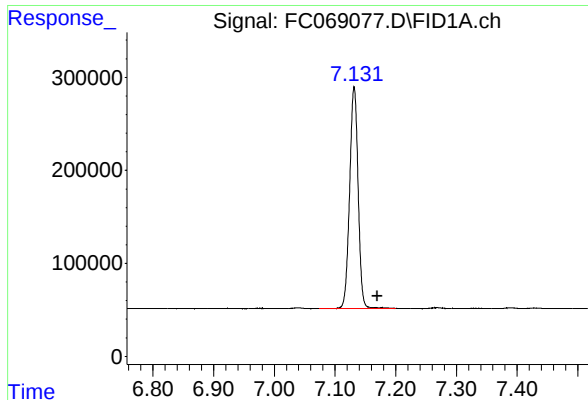
#3 A~Naphthalene (C11.7)

R.T.: 6.071 min
Delta R.T.: -0.040 min
Response: 2375730
Conc: 20.54 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.503 min
Delta R.T.: -0.036 min
Response: 2165444
Conc: 20.60 ug/ml



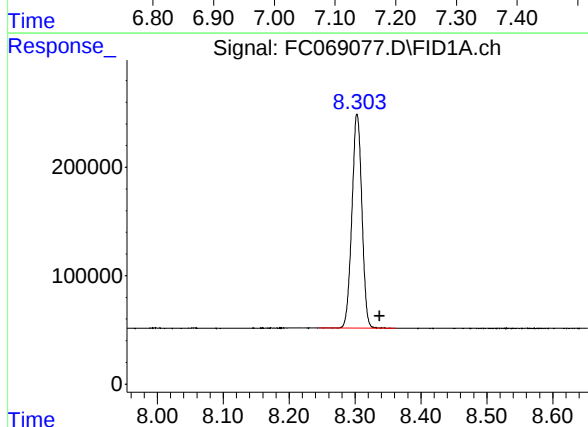
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.132 min
Delta R.T.: -0.038 min
Response: 2317051
Conc: 20.44 ug/ml

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20 PPM ALIPHATIC HC STD

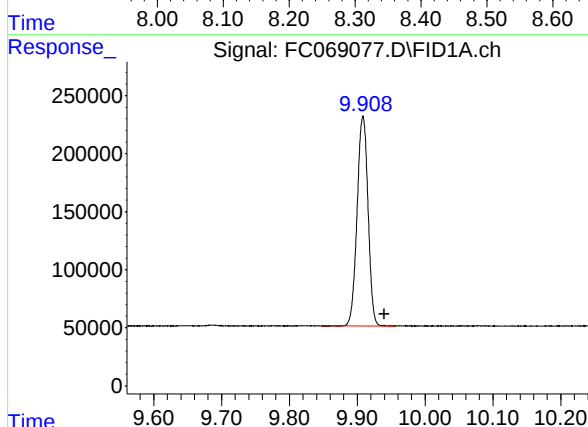
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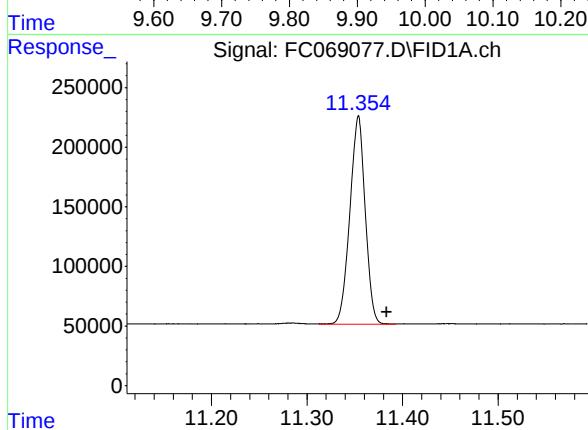
#6 n-Tetradecane (C14)

R.T.: 8.303 min
Delta R.T.: -0.034 min
Response: 2077694
Conc: 20.27 ug/ml



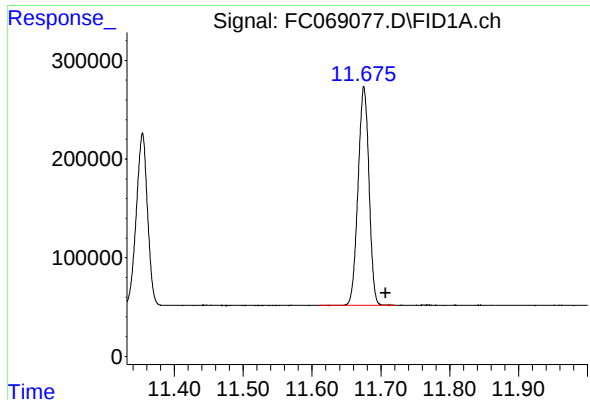
#7 n-Hexadecane (C16)

R.T.: 9.908 min
Delta R.T.: -0.032 min
Response: 2020665
Conc: 19.91 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.354 min
Delta R.T.: -0.030 min
Response: 1974513
Conc: 19.76 ug/ml m



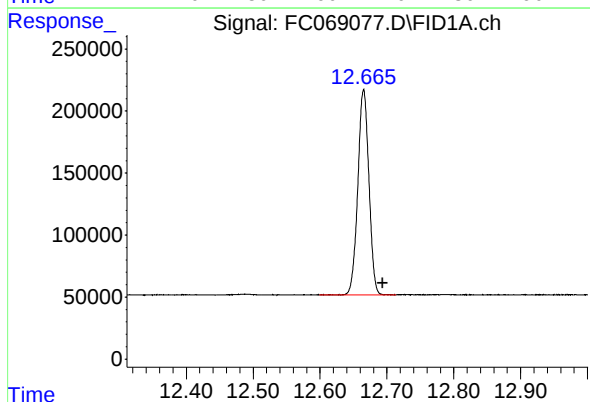
#9 ortho-Terphenyl (SURR)

R.T.: 11.675 min
Delta R.T.: -0.031 min
Response: 2443276
Conc: 19.81 ug/ml

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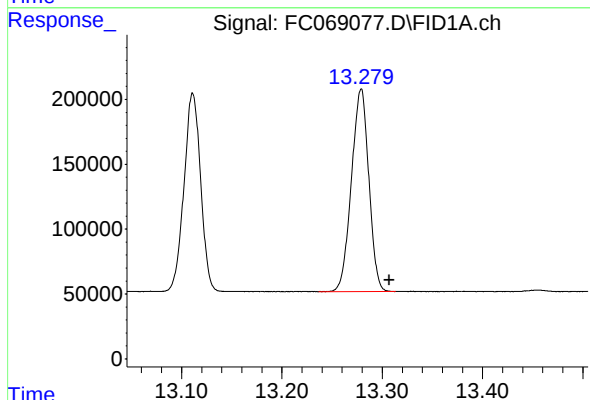
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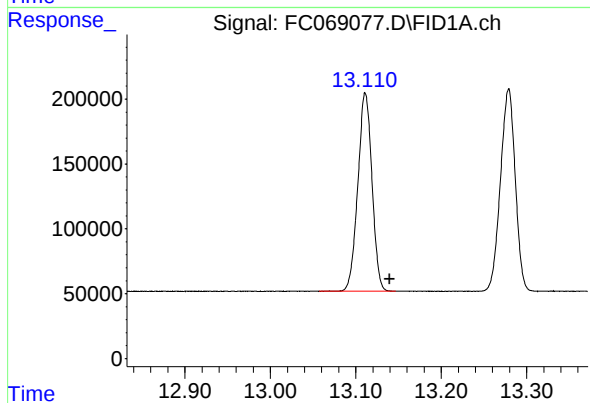
#10 n-Eicosane (C20)

R.T.: 12.665 min
Delta R.T.: -0.029 min
Response: 1903055
Conc: 19.54 ug/ml



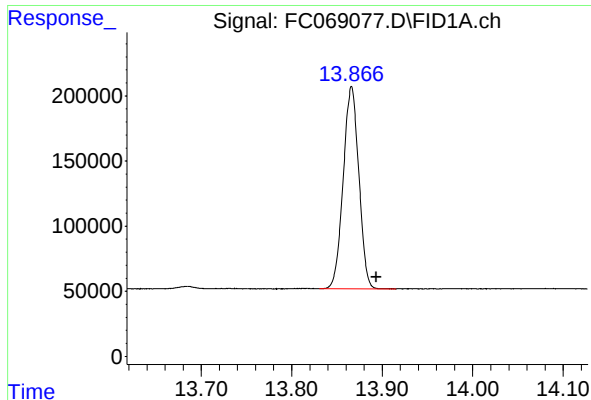
#11 n-Heneicosane (C21)

R.T.: 13.279 min
Delta R.T.: -0.028 min
Response: 1879860
Conc: 19.53 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.111 min
Delta R.T.: -0.028 min
Response: 1761554
Conc: 19.64 ug/ml



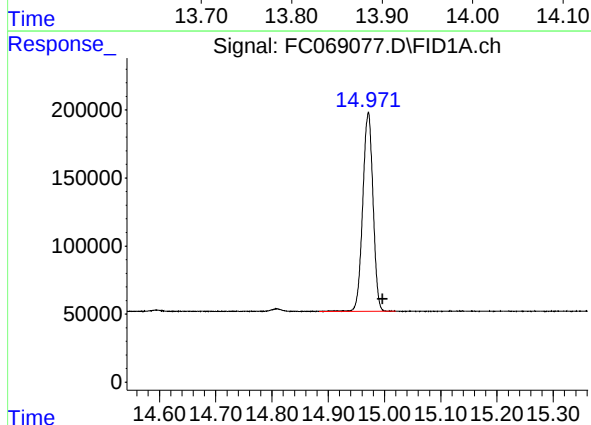
#13 n-Docosane (C22)

R.T.: 13.866 min
Delta R.T.: -0.027 min
Response: 1860860
Conc: 19.53 ug/ml

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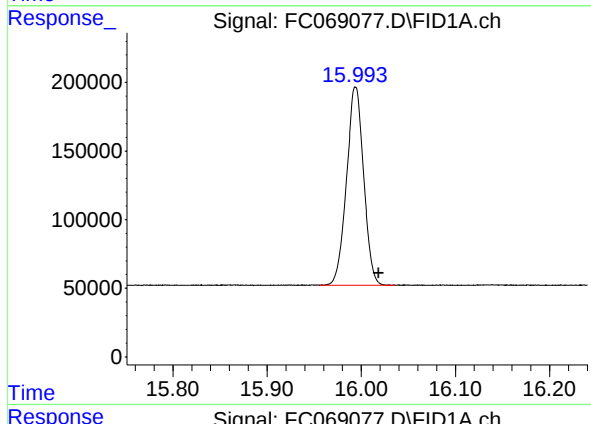
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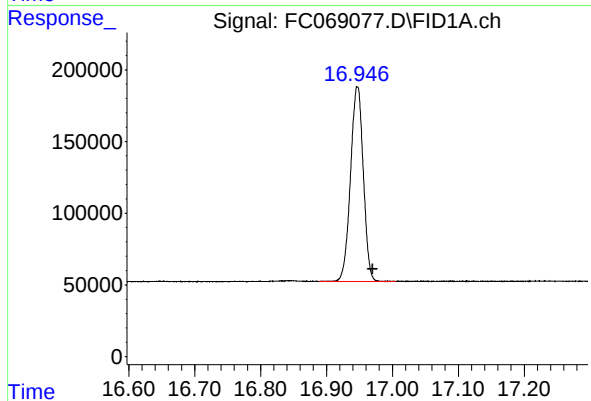
#14 n-Tetracosane (C24)

R.T.: 14.971 min
Delta R.T.: -0.026 min
Response: 1858356
Conc: 19.74 ug/ml



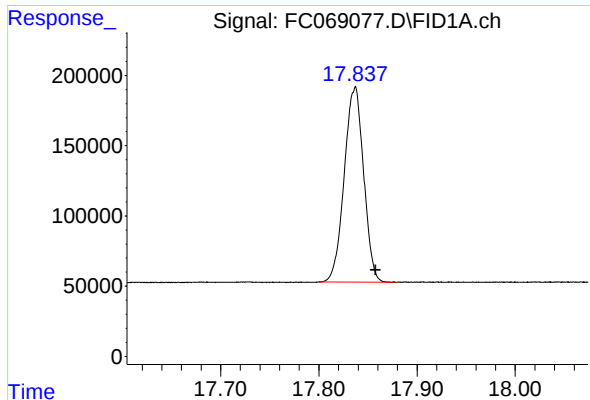
#15 n-Hexacosane (C26)

R.T.: 15.994 min
Delta R.T.: -0.025 min
Response: 1821377
Conc: 19.62 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.947 min
Delta R.T.: -0.023 min
Response: 1832251
Conc: 19.71 ug/ml



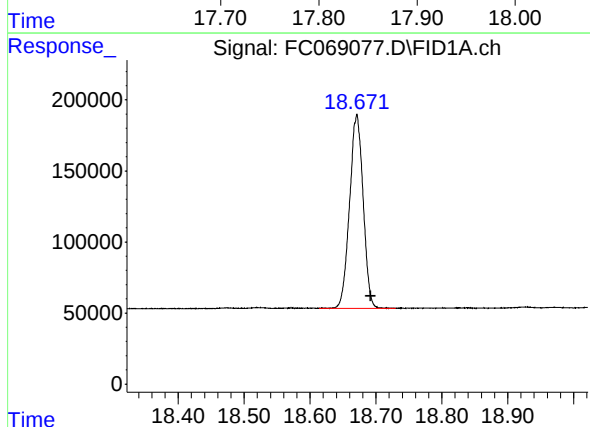
#17 n-Tricontane (C30)

R.T.: 17.836 min
Delta R.T.: -0.021 min
Response: 1904208
Conc: 19.68 ug/ml

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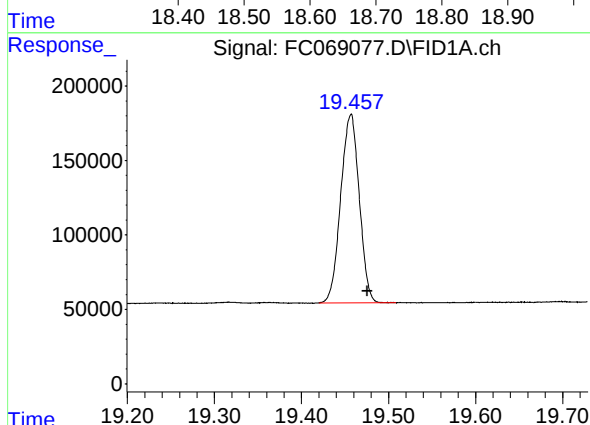
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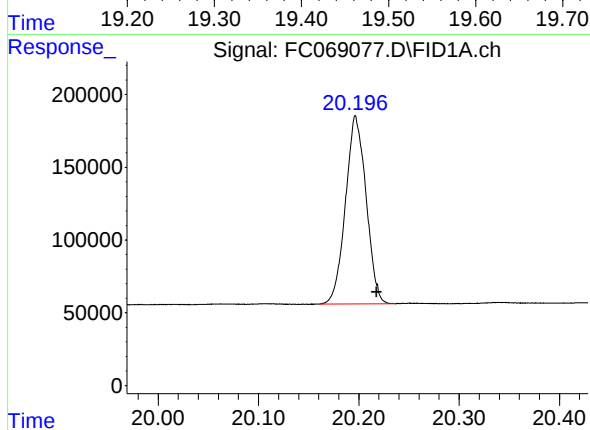
#18 n-Dotriacontane (C32)

R.T.: 18.671 min
Delta R.T.: -0.021 min
Response: 1948555
Conc: 19.66 ug/ml



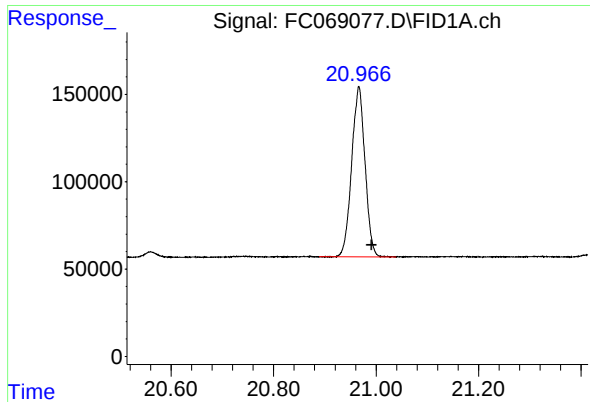
#19 n-Tetatriacontane (C34)

R.T.: 19.457 min
Delta R.T.: -0.019 min
Response: 1873199
Conc: 19.44 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.197 min
Delta R.T.: -0.021 min
Response: 1842208
Conc: 19.41 ug/ml



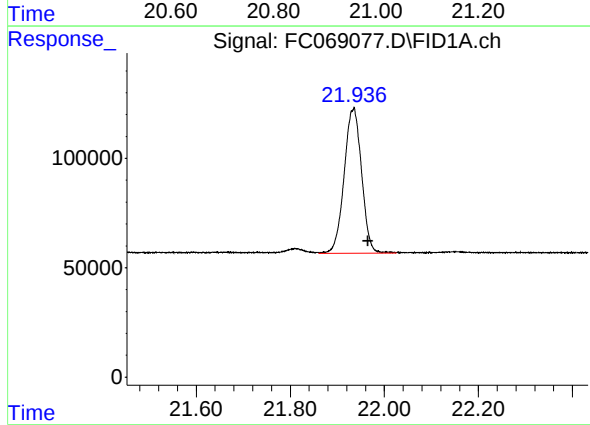
#21 n-Octatriacontane (C38)

R.T.: 20.966 min
Delta R.T.: -0.024 min
Response: 1762986
Conc: 19.32 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.936 min
Delta R.T.: -0.029 min
Response: 1707277
Conc: 19.35 ug/ml m