

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC042225AL\
 Data File : FC068684.D
 Signal(s) : FID1A.ch
 Acq On : 22 Apr 2025 19:27
 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 04/24/2025
 Supervised By :mohammad ahmed 04/26/2025

Integration File: autoint1.e
 Quant Time: Apr 23 01:32:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 17:31:27 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)	11.722	2239267	17.585 ug/ml
Spiked Amount 50.000		Recovery =	35.17%
12) S 1-chlorooctadecane (S...	13.156	1626346	17.508 ug/ml
Spiked Amount 50.000		Recovery =	35.02%
Target Compounds			
1) T n-Nonane (C9)	3.446	1907506	18.111 ug/ml
2) T n-Decane (C10)	4.523	1901391	18.047 ug/ml
3) T A~Naphthalene (C11.7)	6.122	2108514	18.105 ug/ml
4) T n-Dodecane (C12)	6.550	1877646	17.855 ug/ml
5) T A~2-methylnaphthalene...	7.182	2067002	17.896 ug/ml
6) T n-Tetradecane (C14)	8.349	1808743	17.594 ug/ml
7) T n-Hexadecane (C16)	9.953	1778737	17.466 ug/ml
8) T n-Octadecane (C18)	11.397	1752899	17.419 ug/ml
10) T n-Eicosane (C20)	12.709	1717821	17.465 ug/ml
11) T n-Heneicosane (C21)	13.322	1702813	17.472 ug/ml
13) T n-Docosane (C22)	13.910	1690323	17.499 ug/ml
14) T n-Tetracosane (C24)	15.015	1678730	17.637 ug/ml
15) T n-Hexacosane (C26)	16.038	1667204	17.849 ug/ml
16) T n-Octacosane (C28)	16.990	1659902	18.130 ug/ml
17) T n-Tricontane (C30)	17.879	1698017	18.470 ug/ml
18) T n-Dotriacontane (C32)	18.715	1732054	18.882 ug/ml
19) T n-Tetratriacontane (C34)	19.499	1724776	19.306 ug/ml
20) T n-Hexatriacontane (C36)	20.242	1787963	19.960 ug/ml
21) T n-Octatriacontane (C38)	21.020	1832358	20.725 ug/mlm
22) T n-Tetracontane (C40)	22.004	1804465	20.434 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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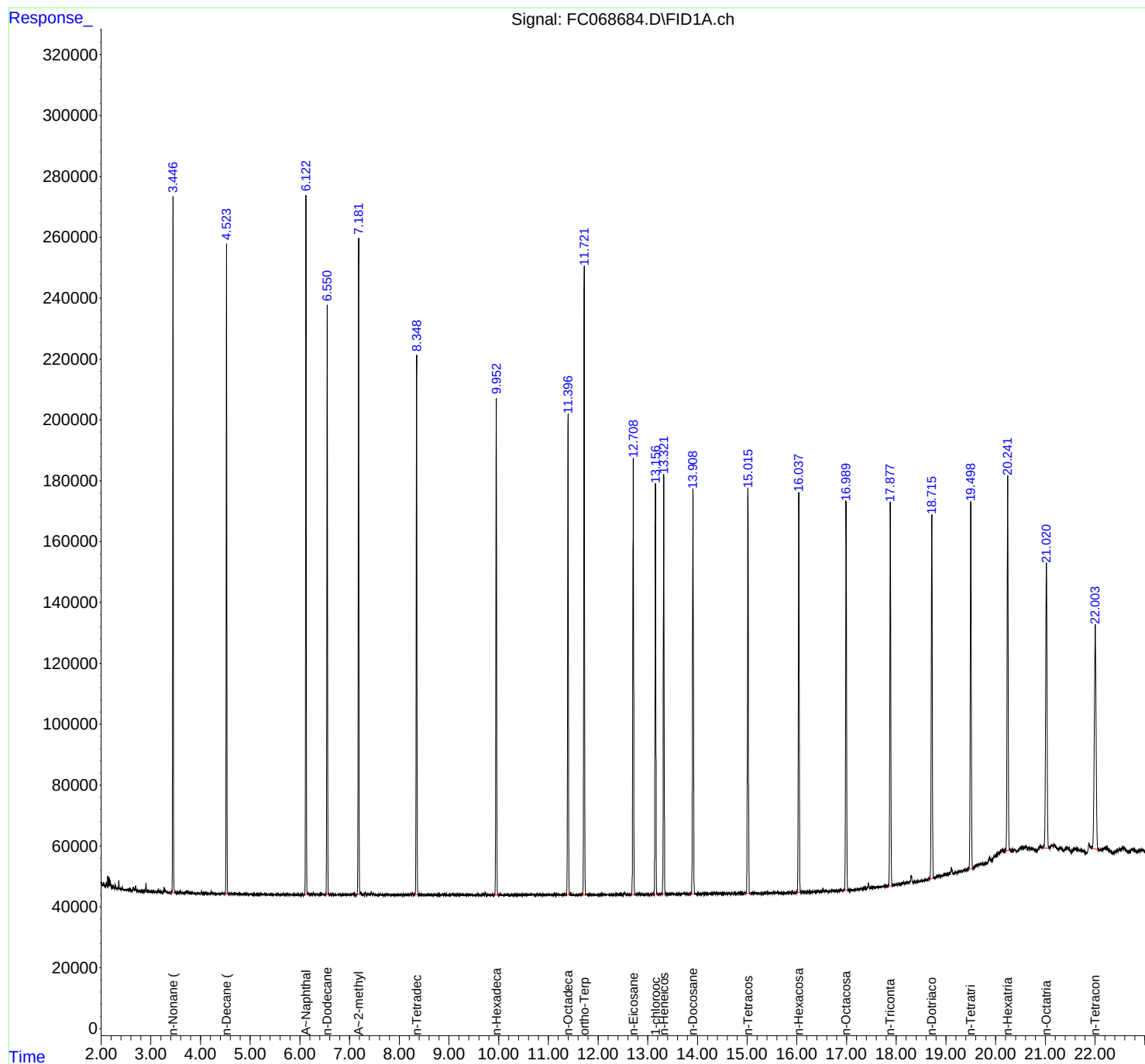
Instrument :
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20 PPM ALIPHATIC HC STD

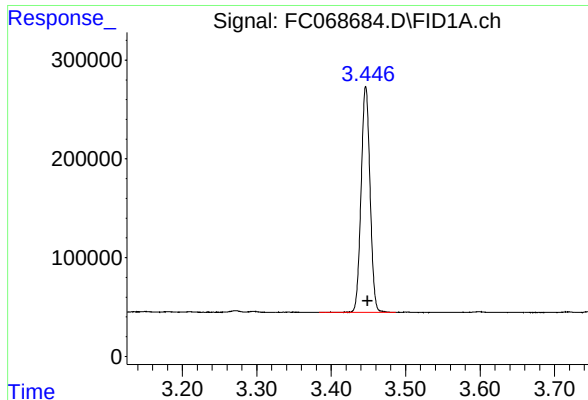
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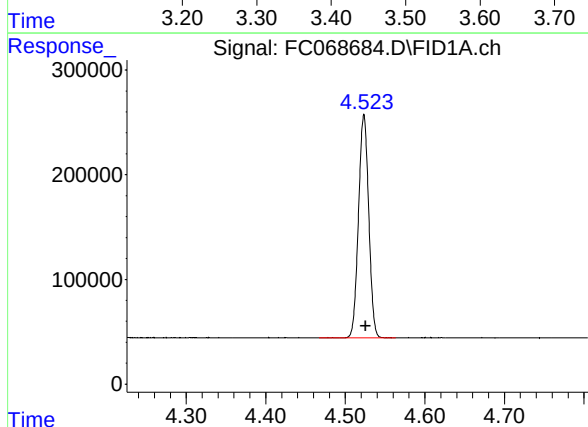
#1 n-Nonane (C9)

R.T.: 3.446 min
Delta R.T.: -0.003 min
Response: 1907506
Conc: 18.11 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

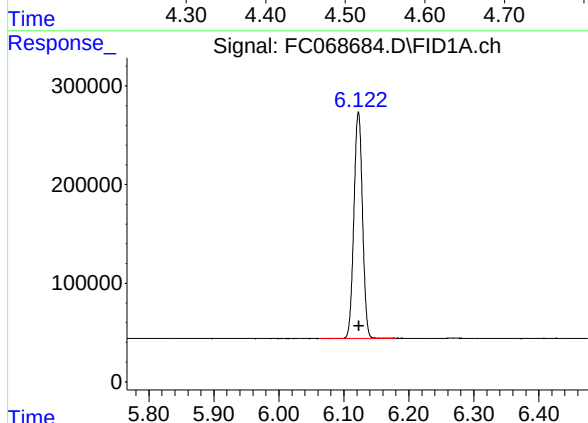
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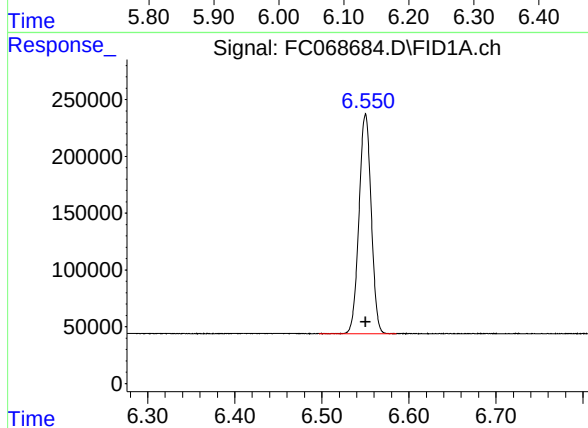
#2 n-Decane (C10)

R.T.: 4.523 min
Delta R.T.: -0.002 min
Response: 1901391
Conc: 18.05 ug/ml



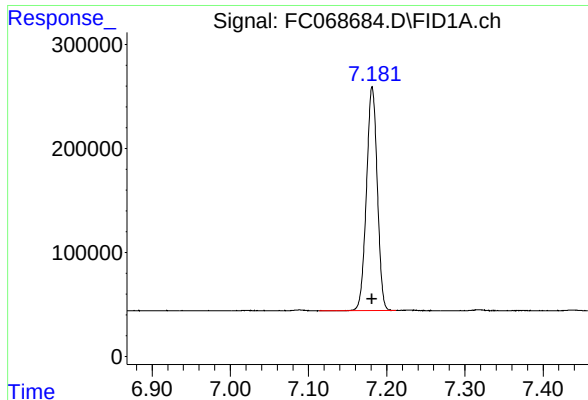
#3 A~Naphthalene (C11.7)

R.T.: 6.122 min
Delta R.T.: -0.001 min
Response: 2108514
Conc: 18.10 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.550 min
Delta R.T.: 0.000 min
Response: 1877646
Conc: 17.85 ug/ml



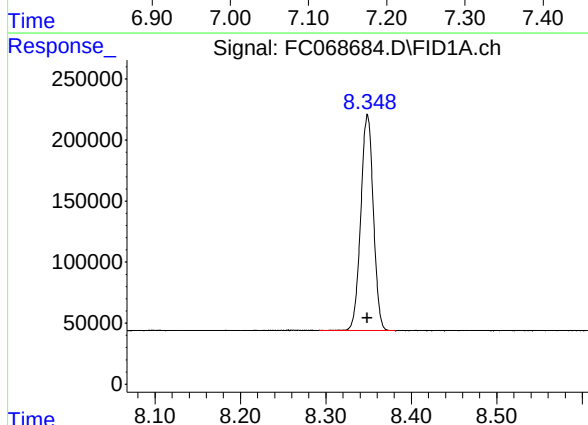
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.182 min
Delta R.T.: 0.000 min
Response: 2067002
Conc: 17.90 ug/ml

Instrument :
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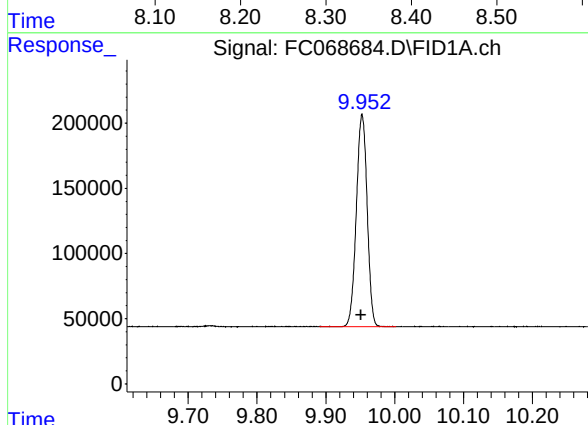
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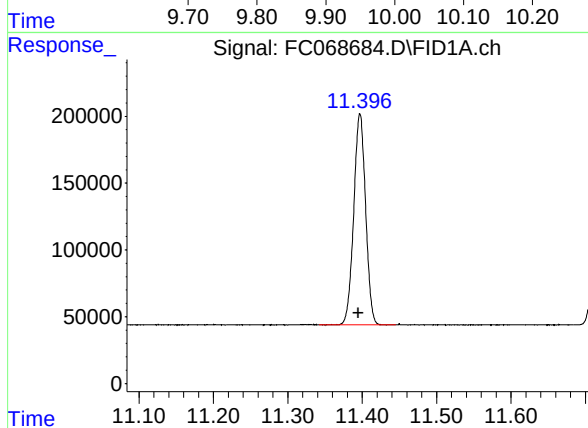
#6 n-Tetradecane (C14)

R.T.: 8.349 min
Delta R.T.: 0.000 min
Response: 1808743
Conc: 17.59 ug/ml



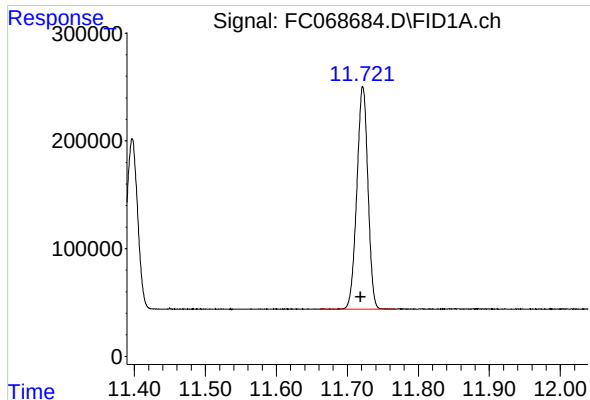
#7 n-Hexadecane (C16)

R.T.: 9.953 min
Delta R.T.: 0.002 min
Response: 1778737
Conc: 17.47 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.397 min
Delta R.T.: 0.002 min
Response: 1752899
Conc: 17.42 ug/ml



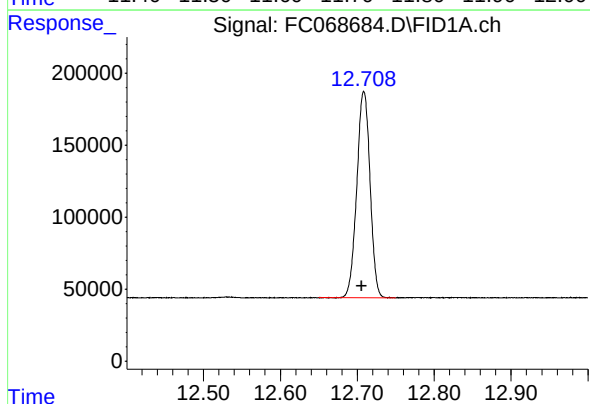
#9 ortho-Terphenyl (SURR)

R.T.: 11.722 min
Delta R.T.: 0.003 min
Response: 2239267
Conc: 17.59 ug/ml

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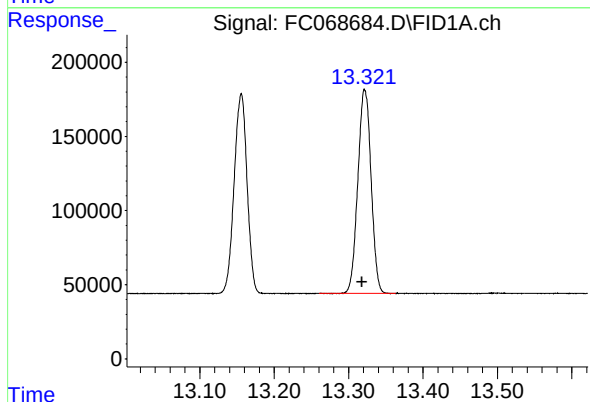
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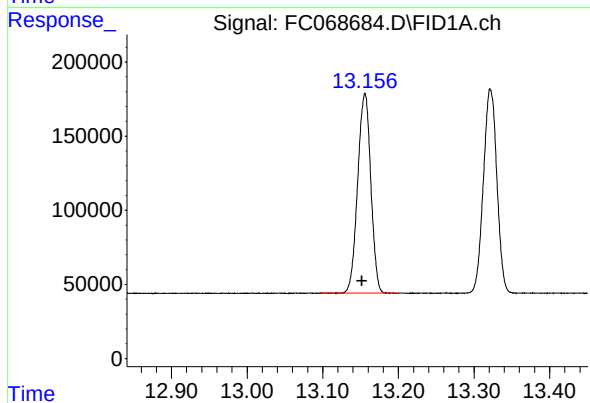
#10 n-Eicosane (C20)

R.T.: 12.709 min
Delta R.T.: 0.003 min
Response: 1717821
Conc: 17.46 ug/ml



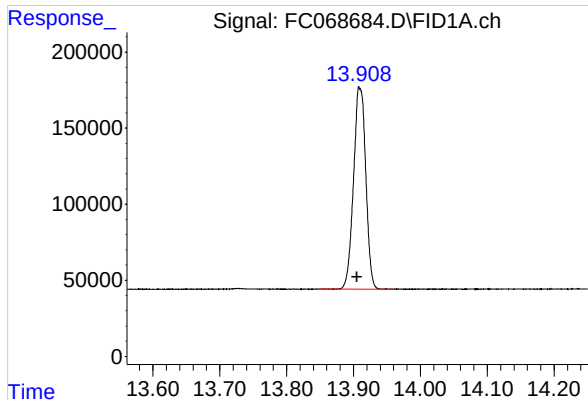
#11 n-Heneicosane (C21)

R.T.: 13.322 min
Delta R.T.: 0.004 min
Response: 1702813
Conc: 17.47 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.156 min
Delta R.T.: 0.004 min
Response: 1626346
Conc: 17.51 ug/ml



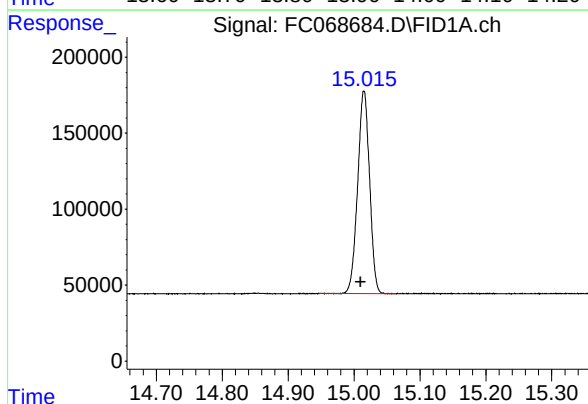
#13 n-Docosane (C22)

R.T.: 13.910 min
Delta R.T.: 0.005 min
Response: 1690323
Conc: 17.50 ug/ml

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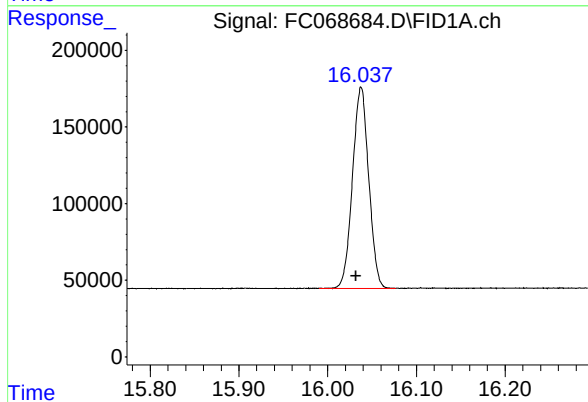
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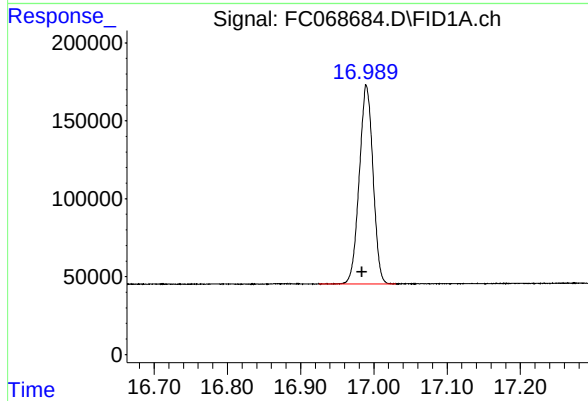
#14 n-Tetracosane (C24)

R.T.: 15.015 min
Delta R.T.: 0.005 min
Response: 1678730
Conc: 17.64 ug/ml



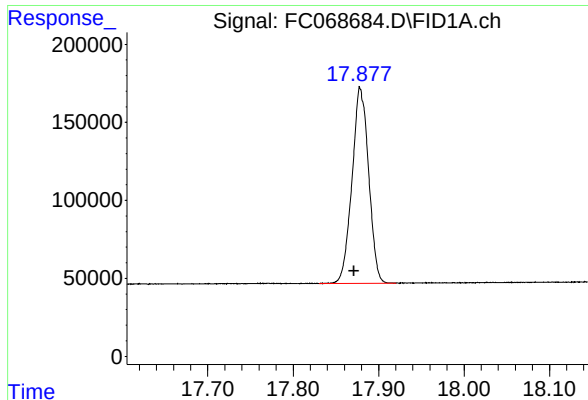
#15 n-Hexacosane (C26)

R.T.: 16.038 min
Delta R.T.: 0.006 min
Response: 1667204
Conc: 17.85 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.990 min
Delta R.T.: 0.006 min
Response: 1659902
Conc: 18.13 ug/ml



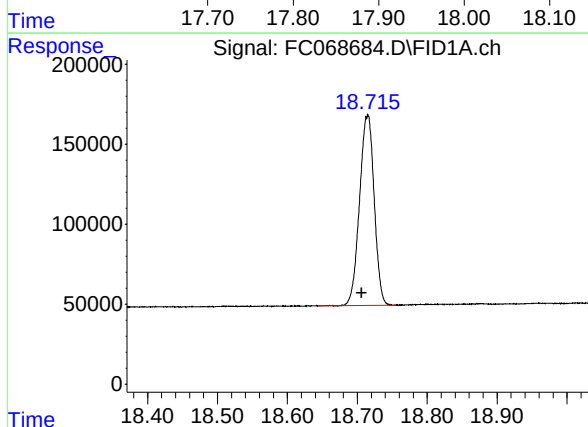
#17 n-Tricontane (C30)

R.T.: 17.879 min
Delta R.T.: 0.008 min
Response: 1698017
Conc: 18.47 ug/ml

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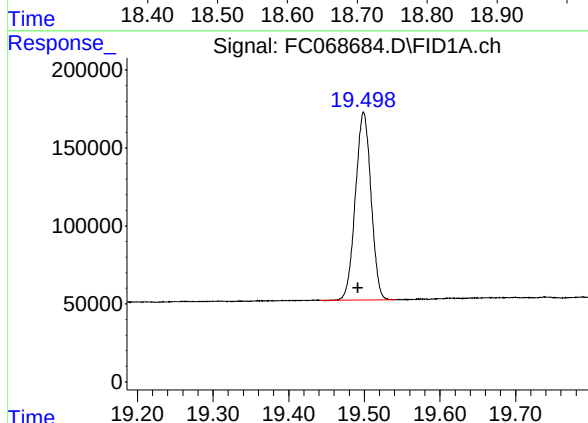
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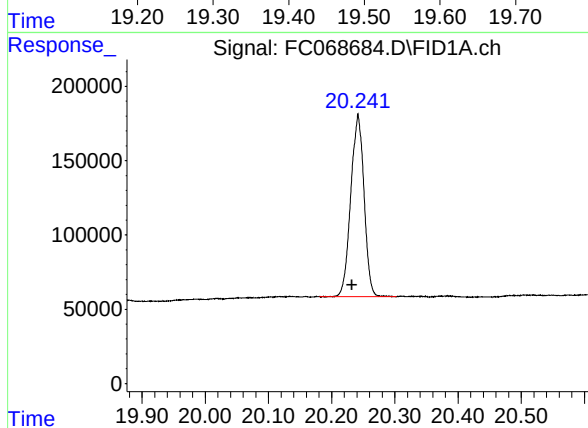
#18 n-Dotriacontane (C32)

R.T.: 18.715 min
Delta R.T.: 0.008 min
Response: 1732054
Conc: 18.88 ug/ml



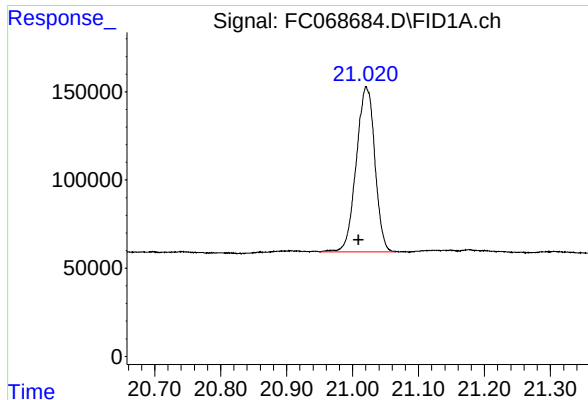
#19 n-Tetatriacontane (C34)

R.T.: 19.499 min
Delta R.T.: 0.007 min
Response: 1724776
Conc: 19.31 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.242 min
Delta R.T.: 0.010 min
Response: 1787963
Conc: 19.96 ug/ml



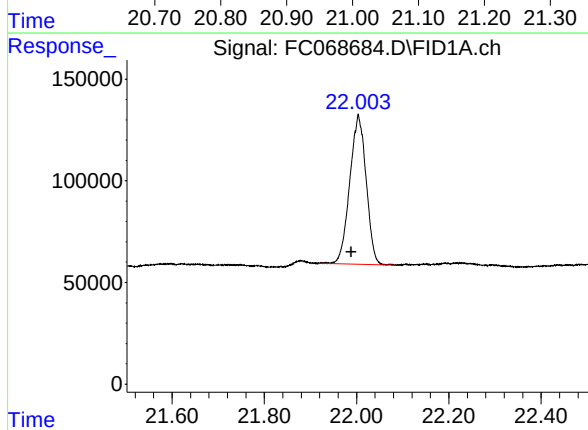
#21 n-Octatriacontane (C38)

R.T.: 21.020 min
Delta R.T.: 0.010 min
Response: 1832358
Conc: 20.73 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.004 min
Delta R.T.: 0.015 min
Response: 1804465
Conc: 20.43 ug/ml