

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC092624AL\
 Data File : FC067271.D
 Signal(s) : FID1A.ch
 Acq On : 26 Sep 2024 11:07
 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 09/27/2024
 Supervised By :Ankita Jodhani 09/27/2024

Integration File: autoint1.e
 Quant Time: Sep 27 03:20:20 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 11 02:55:44 2024
 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)	11.499	2592167	18.616 ug/ml
Spiked Amount 50.000		Recovery =	37.23%
12) S 1-chlorooctadecane (S...	12.939	1867603	19.118 ug/ml
Spiked Amount 50.000		Recovery =	38.24%
Target Compounds			
1) T n-Nonane (C9)	3.275	2387297	17.997 ug/ml
2) T n-Decane (C10)	4.340	2468038	18.376 ug/ml
3) T A~Naphthalene (C11.7)	5.918	2592739	18.243 ug/ml
4) T n-Dodecane (C12)	6.356	2455566	18.345 ug/ml
5) T A~2-methylnaphthalene...	6.973	2443761	18.300 ug/ml
6) T n-Tetradecane (C14)	8.149	2379498	18.463 ug/ml
7) T n-Hexadecane (C16)	9.748	2400093	18.616 ug/ml
8) T n-Octadecane (C18)	11.188	2400811	18.765 ug/ml
10) T n-Eicosane (C20)	12.496	2271670	18.913 ug/ml
11) T n-Heneicosane (C21)	13.107	2223026	19.034 ug/ml
13) T n-Docosane (C22)	13.692	2242767	19.425 ug/ml
14) T n-Tetracosane (C24)	14.794	2321664	20.444 ug/ml
15) T n-Hexacosane (C26)	15.814	2358557	21.281 ug/ml
16) T n-Octacosane (C28)	16.762	2448408	22.666 ug/ml
17) T n-Tricontane (C30)	17.649	2574812	23.671 ug/ml
18) T n-Dotriacontane (C32)	18.480	2505296	24.019 ug/mlm
19) T n-Tetratriacontane (C34)	19.262	2088820	22.641 ug/ml
20) T n-Hexatriacontane (C36)	20.001	1678077	21.175 ug/ml
21) T n-Octatriacontane (C38)	20.724	1480902	19.715 ug/ml
22) T n-Tetracontane (C40)	21.610	1357721	19.434 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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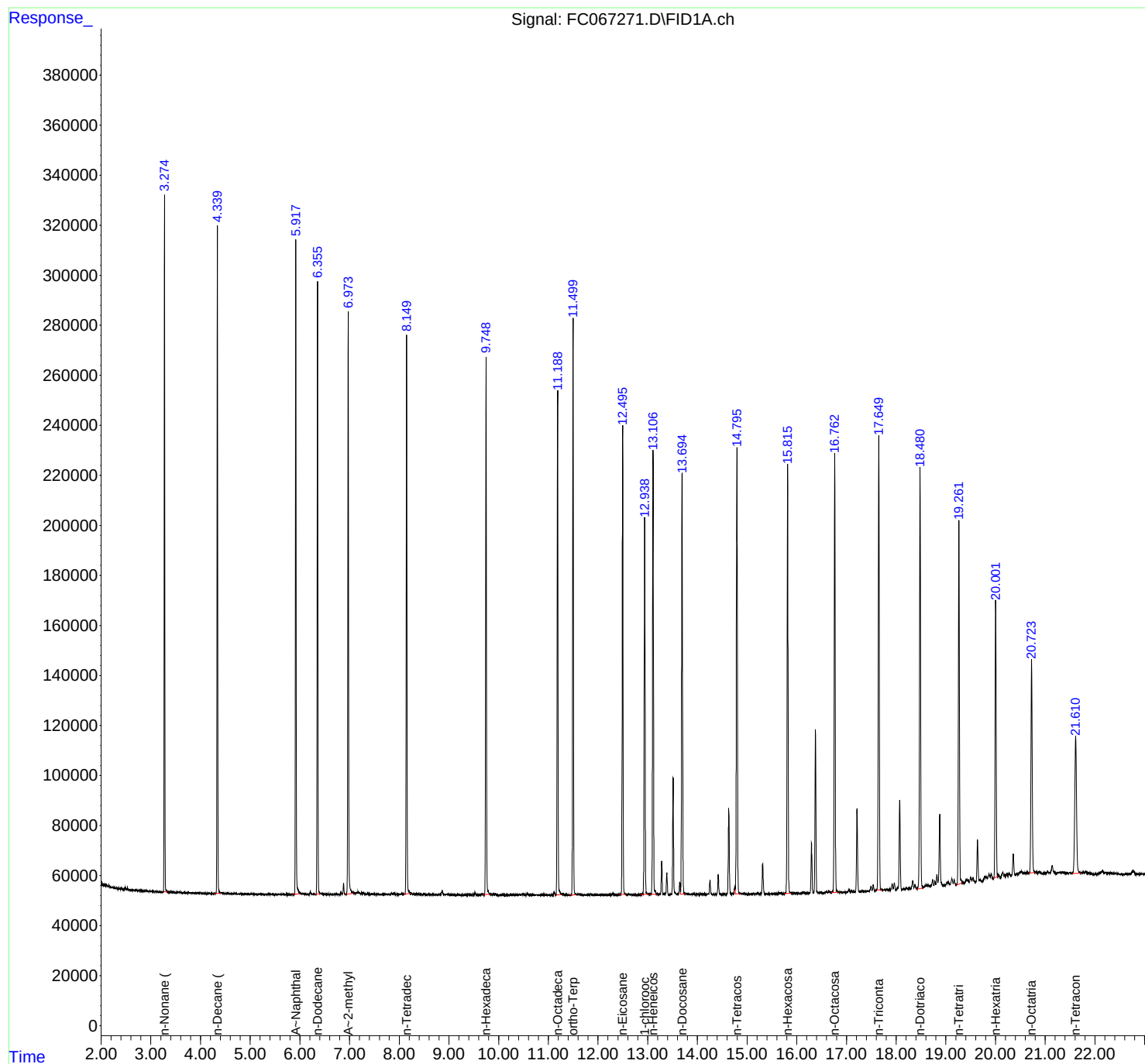
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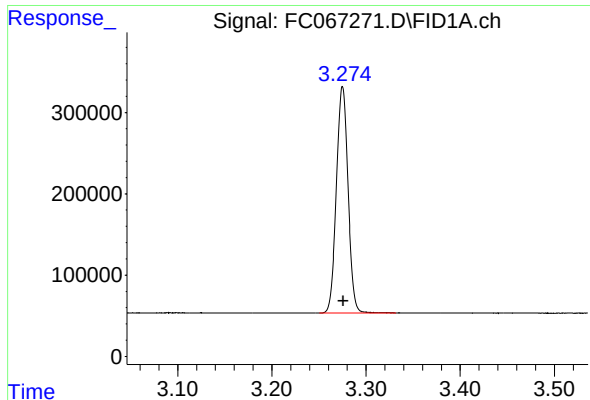
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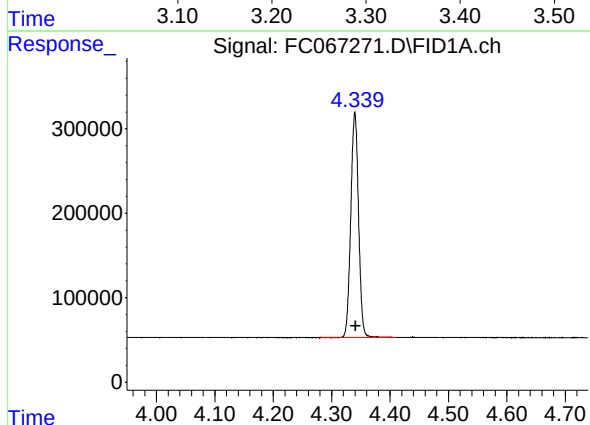
#1 n-Nonane (C9)

R.T.: 3.275 min
Delta R.T.: 0.000 min
Response: 2387297
Conc: 18.00 ug/ml

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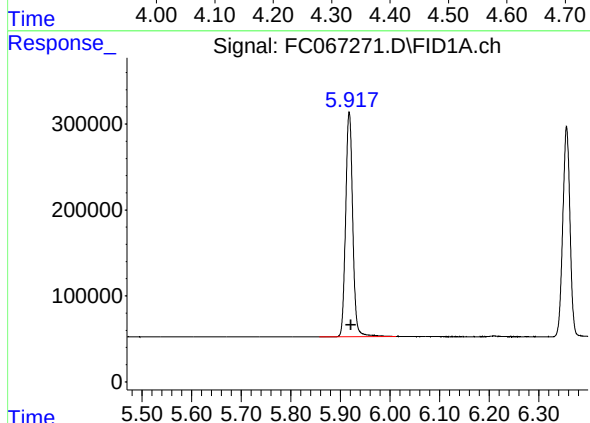
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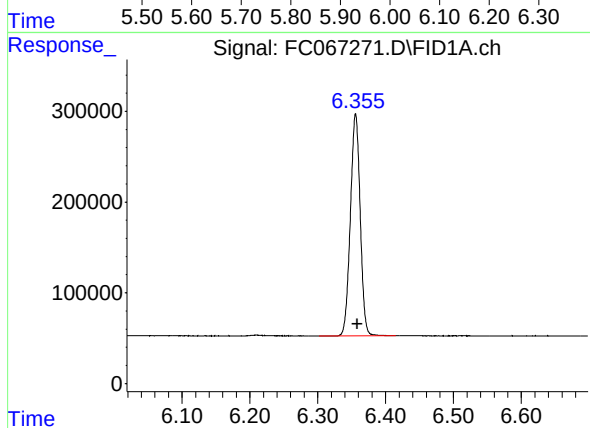
#2 n-Decane (C10)

R.T.: 4.340 min
Delta R.T.: -0.001 min
Response: 2468038
Conc: 18.38 ug/ml



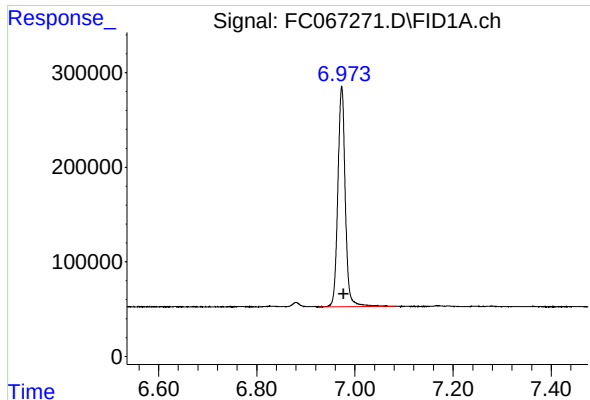
#3 A~Naphthalene (C11.7)

R.T.: 5.918 min
Delta R.T.: -0.004 min
Response: 2592739
Conc: 18.24 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.356 min
Delta R.T.: -0.003 min
Response: 2455566
Conc: 18.34 ug/ml



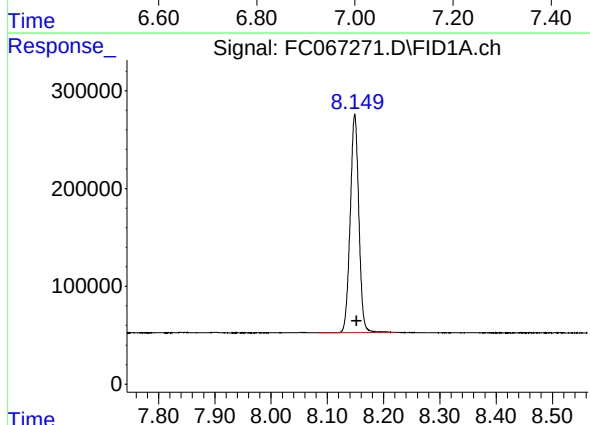
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.973 min
Delta R.T.: -0.004 min
Response: 2443761
Conc: 18.30 ug/ml

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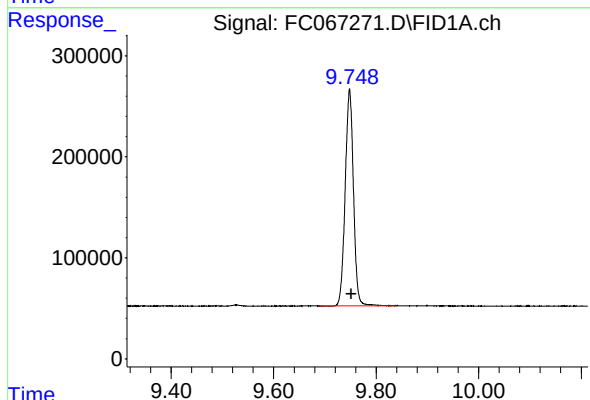
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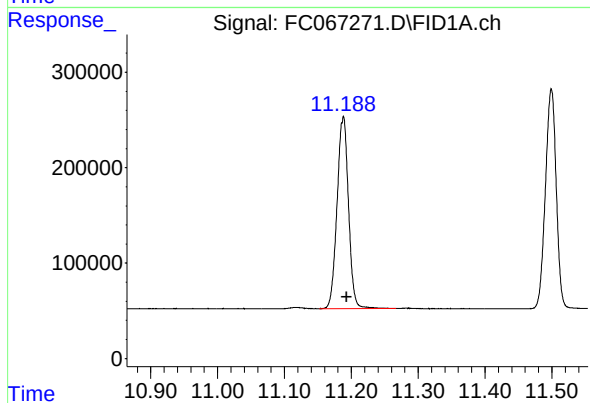
#6 n-Tetradecane (C14)

R.T.: 8.149 min
Delta R.T.: -0.003 min
Response: 2379498
Conc: 18.46 ug/ml



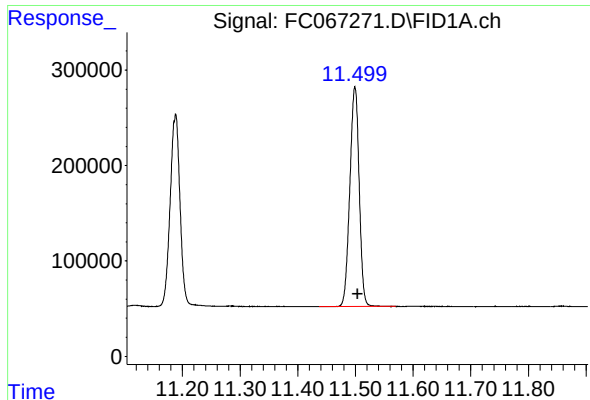
#7 n-Hexadecane (C16)

R.T.: 9.748 min
Delta R.T.: -0.004 min
Response: 2400093
Conc: 18.62 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.188 min
Delta R.T.: -0.005 min
Response: 2400811
Conc: 18.76 ug/ml



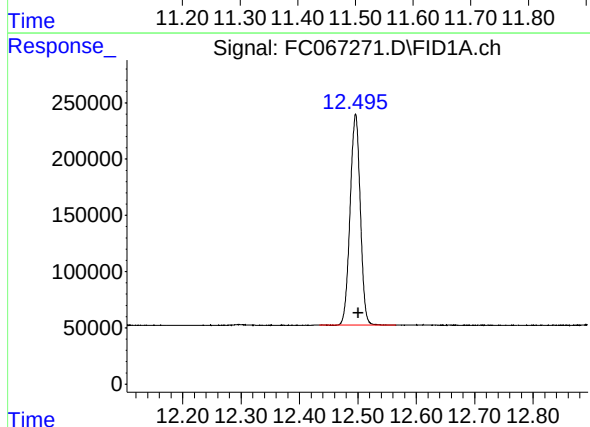
#9 ortho-Terphenyl (SURR)

R.T.: 11.499 min
Delta R.T.: -0.005 min
Response: 2592167
Conc: 18.62 ug/ml

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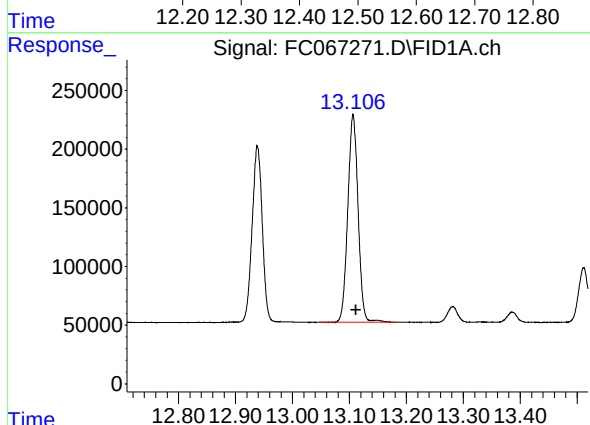
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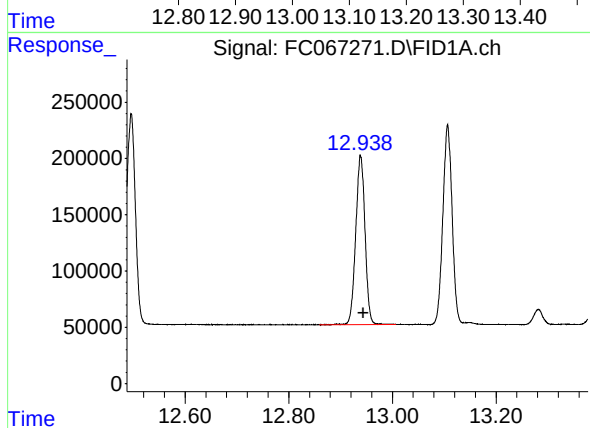
#10 n-Eicosane (C20)

R.T.: 12.496 min
Delta R.T.: -0.005 min
Response: 2271670
Conc: 18.91 ug/ml



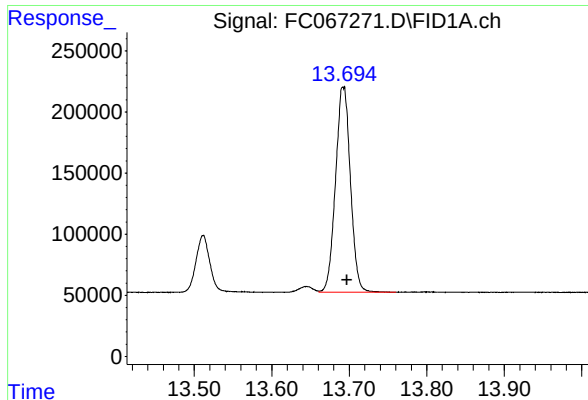
#11 n-Heneicosane (C21)

R.T.: 13.107 min
Delta R.T.: -0.005 min
Response: 2223026
Conc: 19.03 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.939 min
Delta R.T.: -0.005 min
Response: 1867603
Conc: 19.12 ug/ml



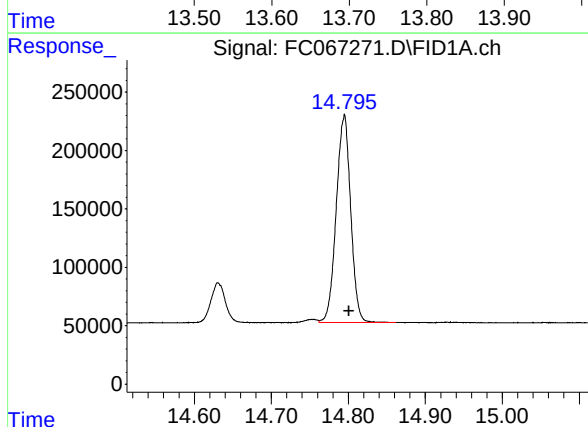
#13 n-Docosane (C22)

R.T.: 13.692 min
Delta R.T.: -0.005 min
Response: 2242767
Conc: 19.42 ug/ml

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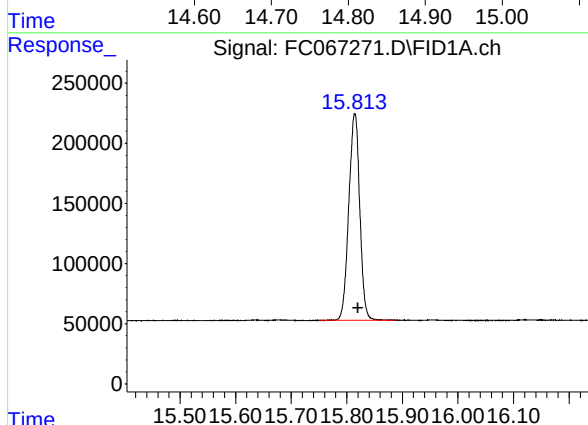
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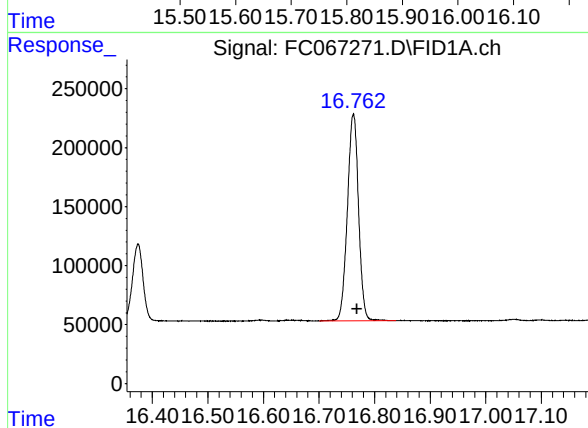
#14 n-Tetracosane (C24)

R.T.: 14.794 min
Delta R.T.: -0.006 min
Response: 2321664
Conc: 20.44 ug/ml



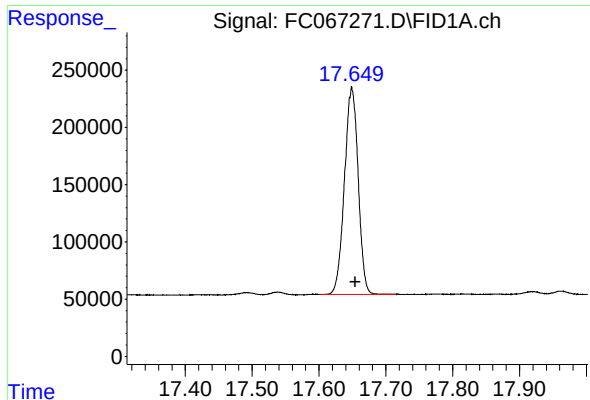
#15 n-Hexacosane (C26)

R.T.: 15.814 min
Delta R.T.: -0.006 min
Response: 2358557
Conc: 21.28 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.762 min
Delta R.T.: -0.006 min
Response: 2448408
Conc: 22.67 ug/ml



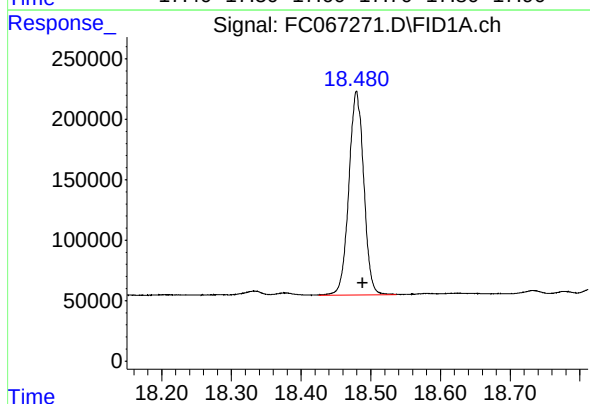
#17 n-Tricontane (C30)

R.T.: 17.649 min
Delta R.T.: -0.005 min
Response: 2574812
Conc: 23.67 ug/ml

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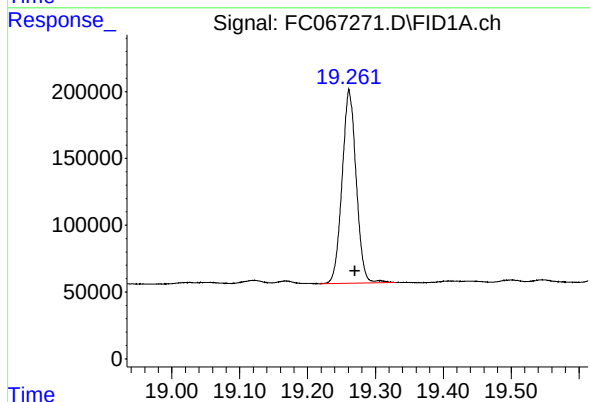
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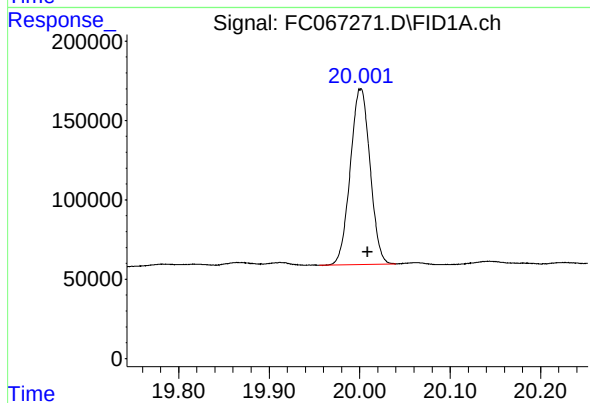
#18 n-Dotriacontane (C32)

R.T.: 18.480 min
Delta R.T.: -0.009 min
Response: 2505296
Conc: 24.02 ug/ml m



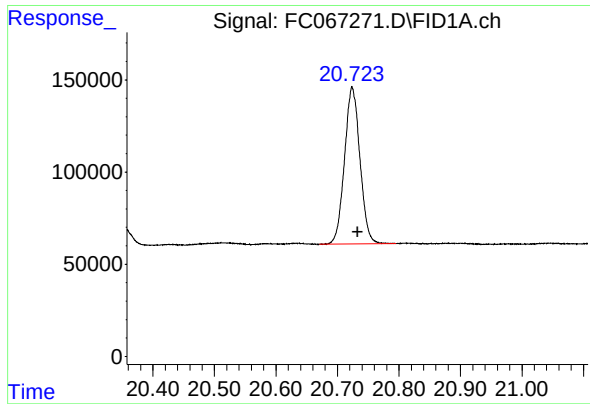
#19 n-Tetratriacontane (C34)

R.T.: 19.262 min
Delta R.T.: -0.008 min
Response: 2088820
Conc: 22.64 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.001 min
Delta R.T.: -0.008 min
Response: 1678077
Conc: 21.18 ug/ml



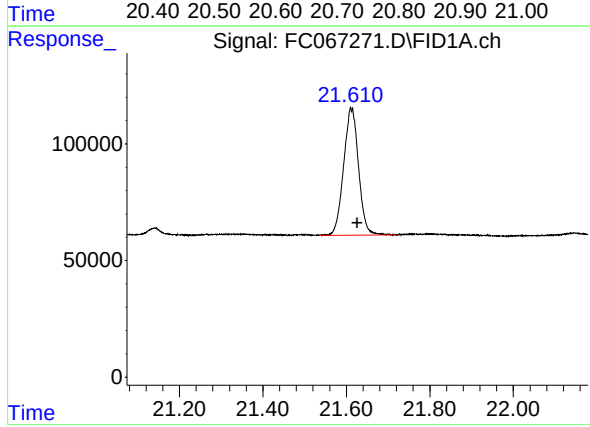
#21 n-Octatriacontane (C38)

R.T.: 20.724 min
Delta R.T.: -0.009 min
Response: 1480902
Conc: 19.71 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.610 min
Delta R.T.: -0.017 min
Response: 1357721
Conc: 19.43 ug/ml m