

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F101424AL\
 Data File : FC067440.D
 Signal(s) : FID1A.ch
 Acq On : 14 Oct 2024 22:48
 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 10/15/2024
 Supervised By :Ankita Jodhani 10/15/2024

Integration File: autoint1.e
 Quant Time: Oct 15 04:33:06 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 01 09:13:32 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)	11.500	3122180	20.519 ug/ml
Spiked Amount 50.000		Recovery =	41.04%
12) S 1-chlorooctadecane (S...	12.938	2334661	20.625 ug/ml
Spiked Amount 50.000		Recovery =	41.25%
Target Compounds			
1) T n-Nonane (C9)	3.276	2838383	22.392 ug/ml
2) T n-Decane (C10)	4.341	2906331	22.610 ug/ml
3) T A~Naphthalene (C11.7)	5.919	3171054	22.354 ug/ml
4) T n-Dodecane (C12)	6.357	2918729	22.493 ug/ml
5) T A~2-methylnaphthalene...	6.975	3046287	22.205 ug/ml
6) T n-Tetradecane (C14)	8.149	2838864	22.041 ug/ml
7) T n-Hexadecane (C16)	9.748	2862906	21.507 ug/ml
8) T n-Octadecane (C18)	11.188	2868025	21.150 ug/ml
10) T n-Eicosane (C20)	12.495	2722644	20.852 ug/ml
11) T n-Heneicosane (C21)	13.107	2663475	20.767 ug/ml
13) T n-Docosane (C22)	13.693	2644491	20.711 ug/ml
14) T n-Tetracosane (C24)	14.794	2620666	20.491 ug/ml
15) T n-Hexacosane (C26)	15.812	2579895	20.461 ug/ml
16) T n-Octacosane (C28)	16.761	2572412	20.476 ug/ml
17) T n-Tricontane (C30)	17.648	2670268	20.728 ug/ml
18) T n-Dotriacontane (C32)	18.479	2640757	21.138 ug/mlm
19) T n-Tetratriacontane (C34)	19.263	2344031	21.450 ug/ml
20) T n-Hexatriacontane (C36)	20.002	2046433	21.651 ug/ml
21) T n-Octatriacontane (C38)	20.727	1909033	21.768 ug/ml
22) T n-Tetracontane (C40)	21.614	1877877	21.824 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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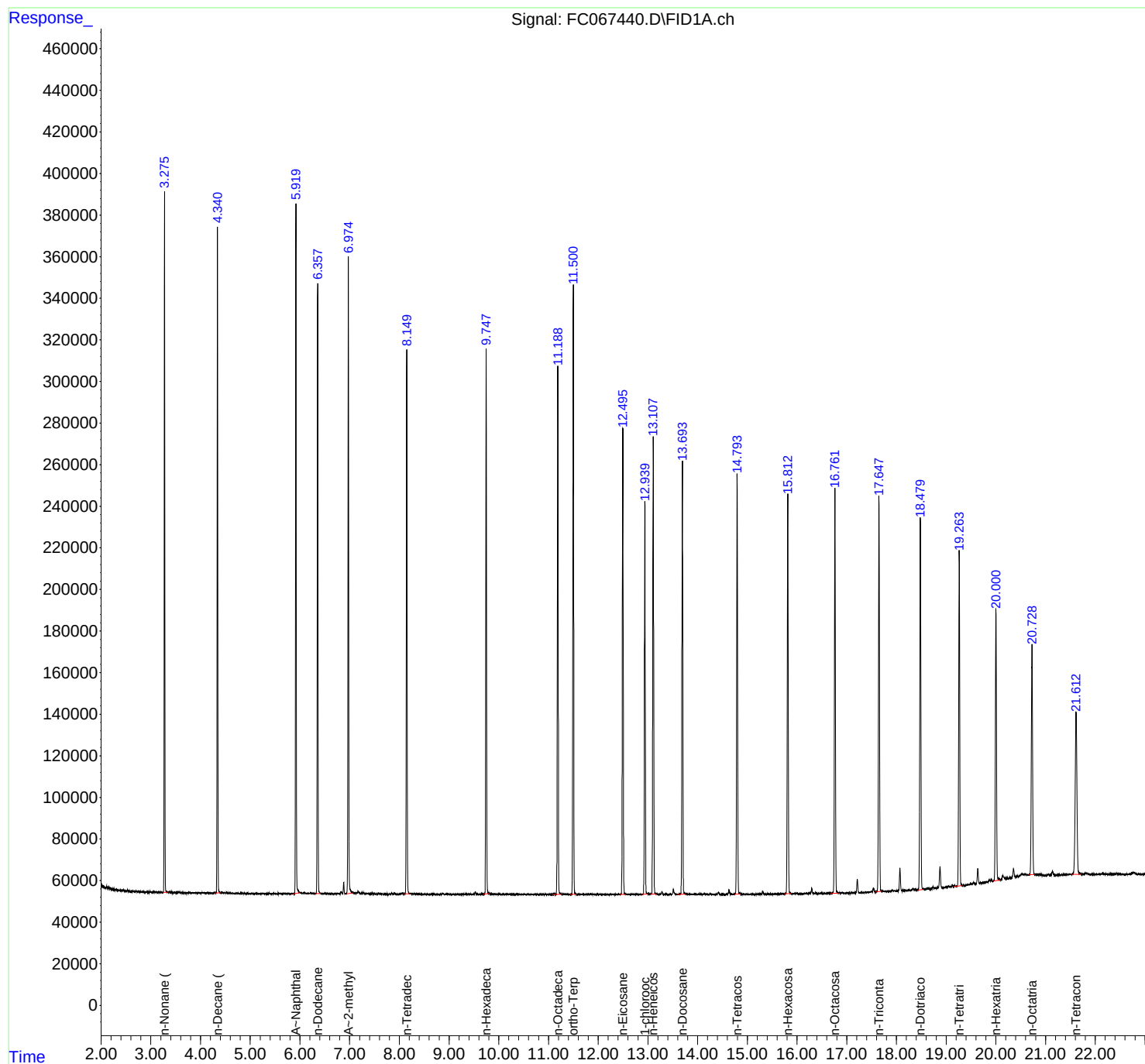
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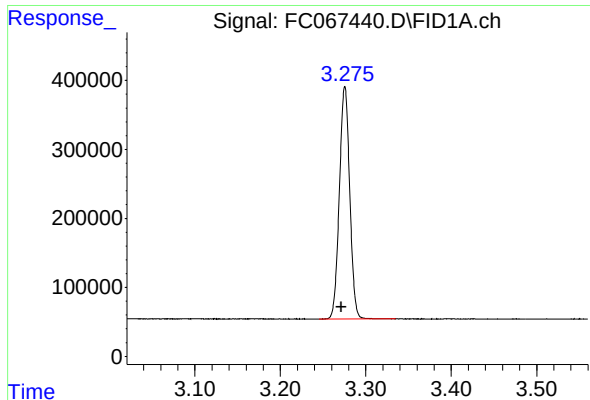
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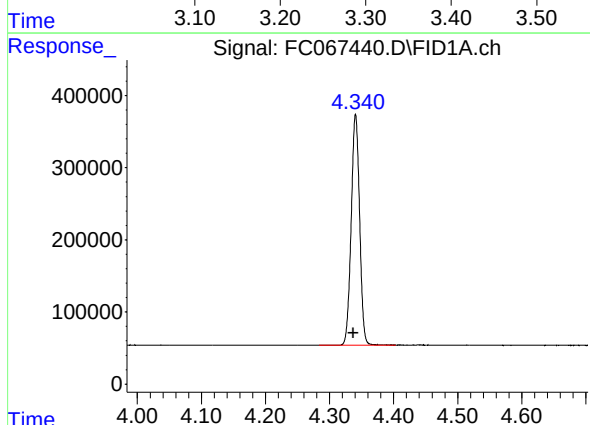
#1 n-Nonane (C9)

R.T.: 3.276 min
Delta R.T.: 0.005 min
Response: 2838383
Conc: 22.39 ug/ml

Instrument : FID_C
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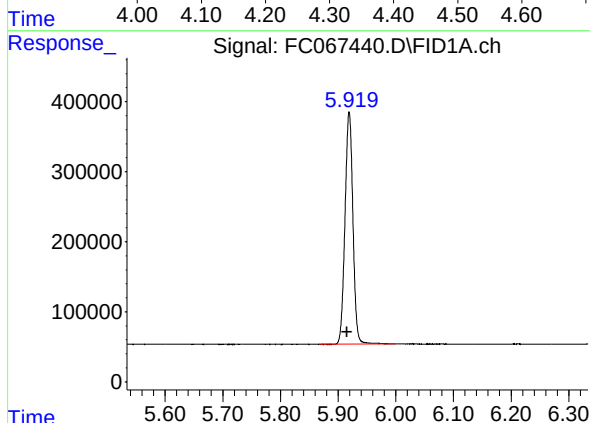
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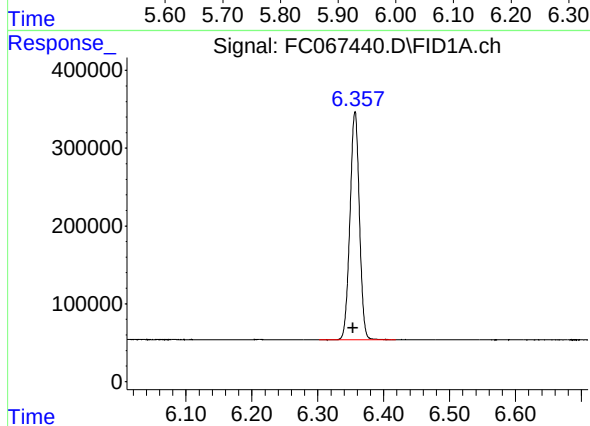
#2 n-Decane (C10)

R.T.: 4.341 min
Delta R.T.: 0.003 min
Response: 2906331
Conc: 22.61 ug/ml



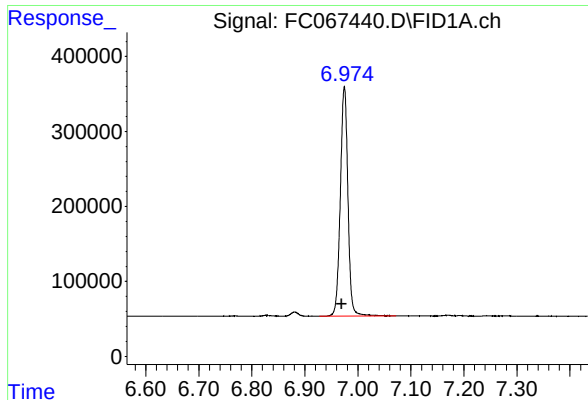
#3 A~Naphthalene (C11.7)

R.T.: 5.919 min
Delta R.T.: 0.004 min
Response: 3171054
Conc: 22.35 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.357 min
Delta R.T.: 0.003 min
Response: 2918729
Conc: 22.49 ug/ml



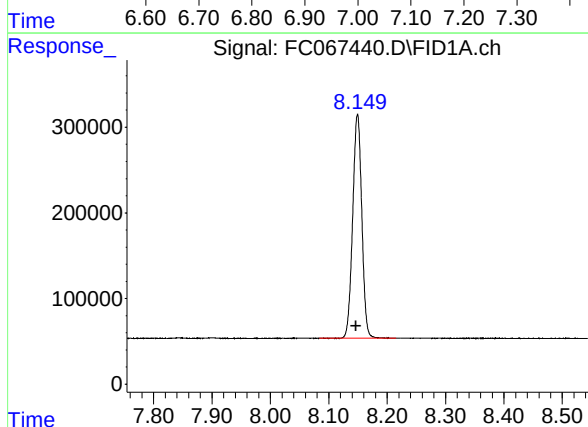
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.975 min
Delta R.T.: 0.005 min
Response: 3046287
Conc: 22.20 ug/ml

Instrument : FID_C
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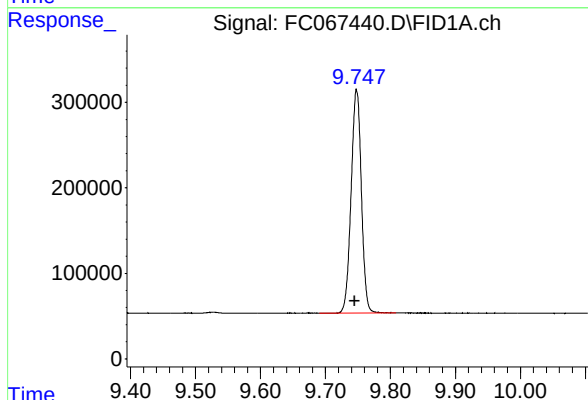
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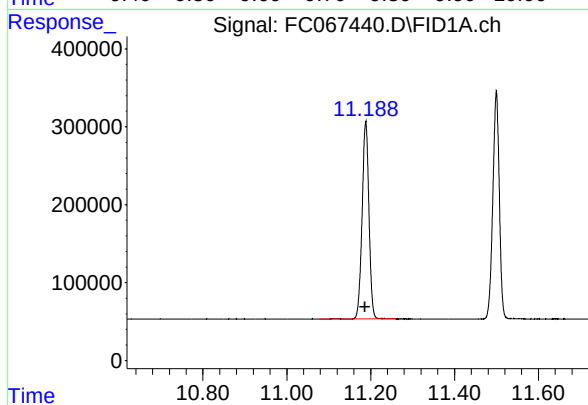
#6 n-Tetradecane (C14)

R.T.: 8.149 min
Delta R.T.: 0.003 min
Response: 2838864
Conc: 22.04 ug/ml



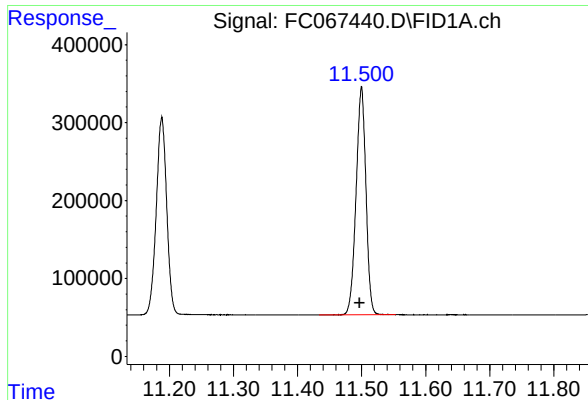
#7 n-Hexadecane (C16)

R.T.: 9.748 min
Delta R.T.: 0.003 min
Response: 2862906
Conc: 21.51 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.188 min
Delta R.T.: 0.002 min
Response: 2868025
Conc: 21.15 ug/ml



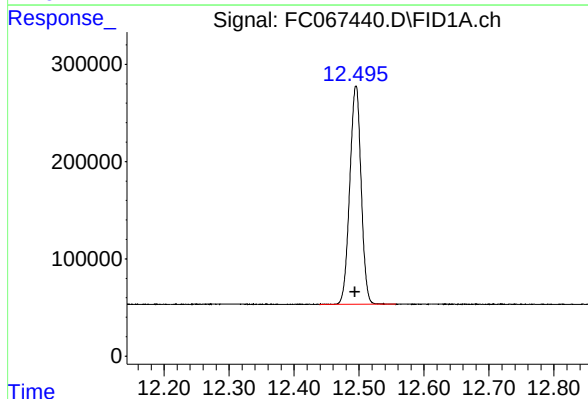
#9 ortho-Terphenyl (SURR)

R.T.: 11.500 min
Delta R.T.: 0.003 min
Response: 3122180
Conc: 20.52 ug/ml

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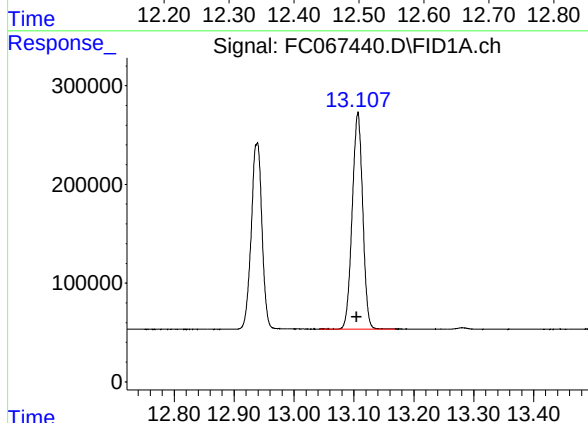
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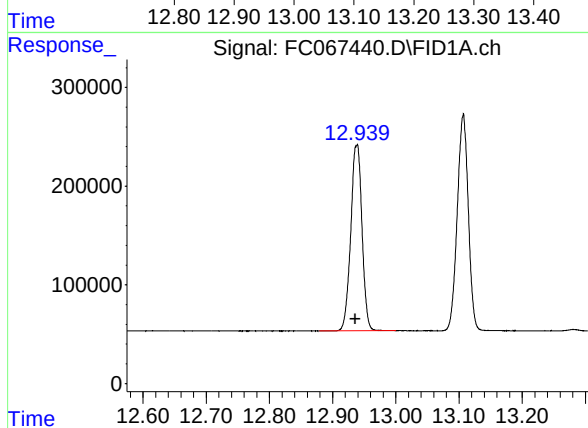
#10 n-Eicosane (C20)

R.T.: 12.495 min
Delta R.T.: 0.002 min
Response: 2722644
Conc: 20.85 ug/ml



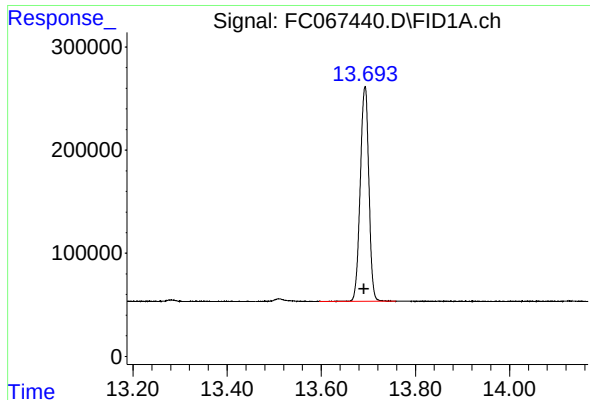
#11 n-Heneicosane (C21)

R.T.: 13.107 min
Delta R.T.: 0.002 min
Response: 2663475
Conc: 20.77 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.938 min
Delta R.T.: 0.002 min
Response: 2334661
Conc: 20.63 ug/ml



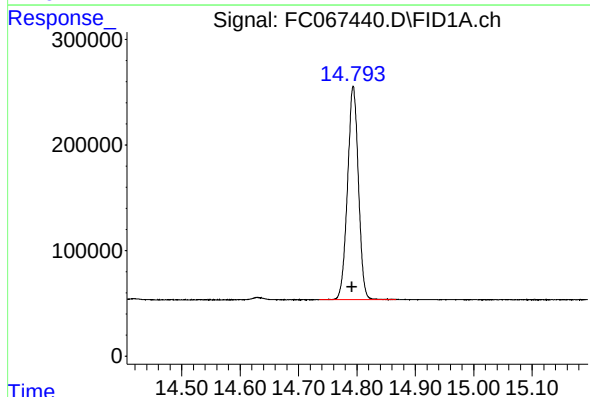
#13 n-Docosane (C22)

R.T.: 13.693 min
Delta R.T.: 0.002 min
Response: 2644491
Conc: 20.71 ug/ml

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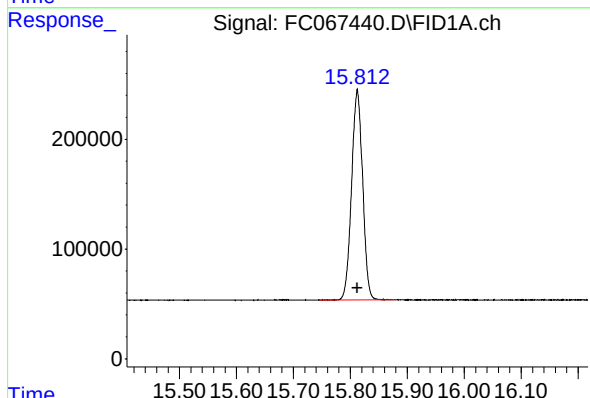
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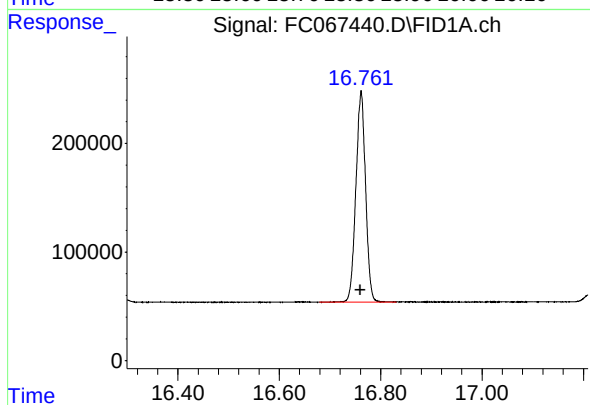
#14 n-Tetracosane (C24)

R.T.: 14.794 min
Delta R.T.: 0.002 min
Response: 2620666
Conc: 20.49 ug/ml



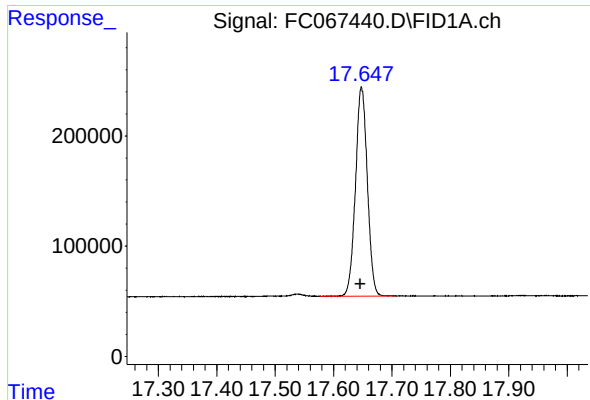
#15 n-Hexacosane (C26)

R.T.: 15.812 min
Delta R.T.: 0.000 min
Response: 2579895
Conc: 20.46 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.761 min
Delta R.T.: 0.002 min
Response: 2572412
Conc: 20.48 ug/ml



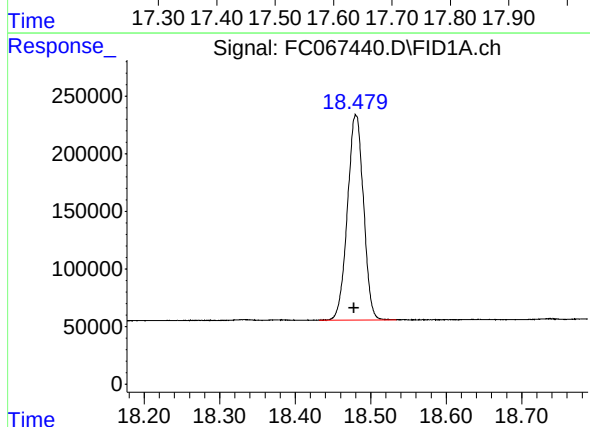
#17 n-Tricontane (C30)

R.T.: 17.648 min
Delta R.T.: 0.002 min
Response: 2670268
Conc: 20.73 ug/ml

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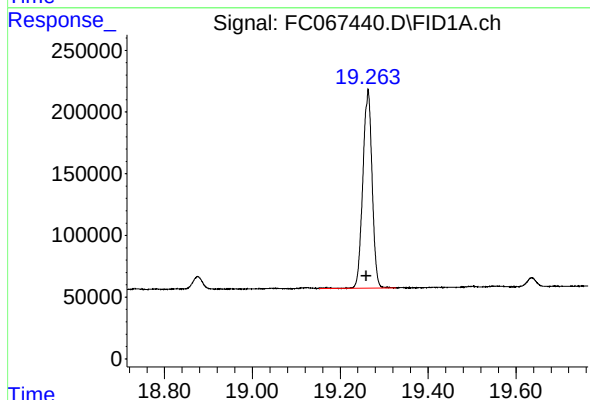
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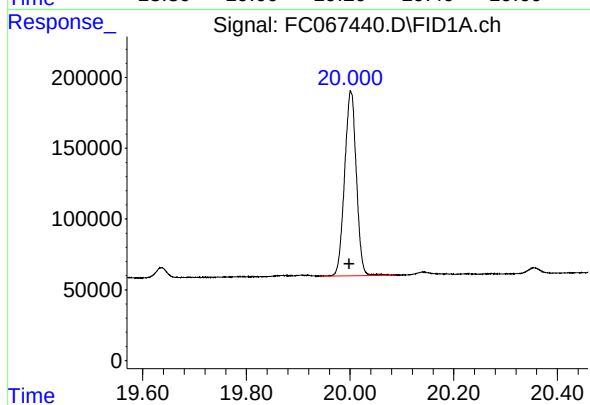
#18 n-Dotriacontane (C32)

R.T.: 18.479 min
Delta R.T.: 0.002 min
Response: 2640757
Conc: 21.14 ug/ml m



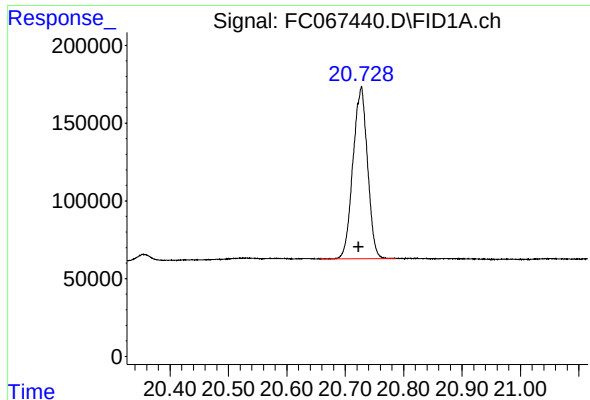
#19 n-Tetatriacontane (C34)

R.T.: 19.263 min
Delta R.T.: 0.003 min
Response: 2344031
Conc: 21.45 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.002 min
Delta R.T.: 0.002 min
Response: 2046433
Conc: 21.65 ug/ml



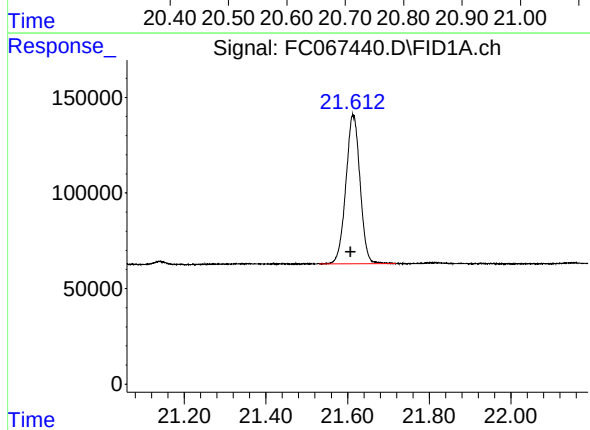
#21 n-Octatriacontane (C38)

R.T.: 20.727 min
Delta R.T.: 0.004 min
Response: 1909033
Conc: 21.77 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.614 min
Delta R.T.: 0.006 min
Response: 1877877
Conc: 21.82 ug/ml