

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC090524AL\
 Data File : FC067055.D
 Signal(s) : FID1A.ch
 Acq On : 05 Sep 2024 13:10
 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 09/06/2024
 Supervised By :Ankita Jodhani 09/06/2024

Integration File: autoint1.e
 Quant Time: Sep 06 03:47:06 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 081224.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 12 15:57:40 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)	11.506	2690142	17.671 ug/ml
Spiked Amount 50.000		Recovery =	35.34%
12) S 1-chlorooctadecane (S...	12.945	1913048	17.658 ug/ml
Spiked Amount 50.000		Recovery =	35.32%
Target Compounds			
1) T n-Nonane (C9)	3.276	2488897	16.935 ug/ml
2) T n-Decane (C10)	4.343	2585481	17.254 ug/ml
3) T A~Naphthalene (C11.7)	5.923	2744352	17.251 ug/ml
4) T n-Dodecane (C12)	6.361	2579569	17.192 ug/ml
5) T A~2-methylnaphthalene...	6.979	2589932	17.221 ug/ml
6) T n-Tetradecane (C14)	8.154	2509072	17.305 ug/ml
7) T n-Hexadecane (C16)	9.754	2552549	17.416 ug/ml
8) T n-Octadecane (C18)	11.195	2553293	17.518 ug/ml
10) T n-Eicosane (C20)	12.503	2401321	17.535 ug/ml
11) T n-Heneicosane (C21)	13.114	2339296	17.554 ug/ml
13) T n-Docosane (C22)	13.699	2318092	17.592 ug/ml
14) T n-Tetracosane (C24)	14.801	2283889	17.622 ug/ml
15) T n-Hexacosane (C26)	15.821	2247260	17.717 ug/ml
16) T n-Octacosane (C28)	16.770	2273826	18.307 ug/ml
17) T n-Tricontane (C30)	17.657	2432473	19.356 ug/ml
18) T n-Dotriacontane (C32)	18.488	2435948	19.721 ug/ml
19) T n-Tetratriacontane (C34)	19.272	2300187	19.182 ug/ml
20) T n-Hexatriacontane (C36)	20.010	2094199	18.548 ug/ml
21) T n-Octatriacontane (C38)	20.736	1931369	17.728 ug/mlm
22) T n-Tetracontane (C40)	21.629	1745845	17.091 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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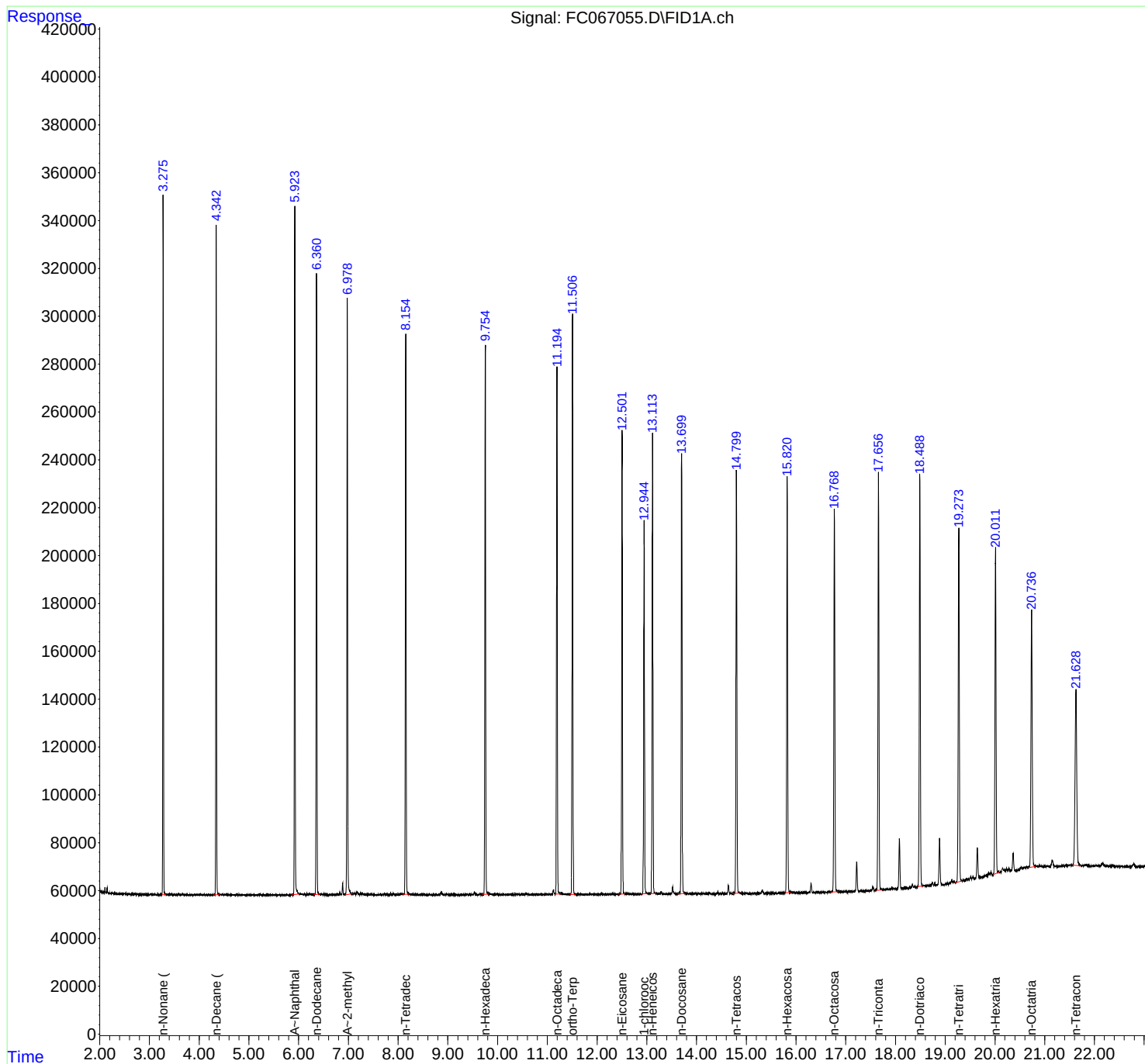
Instrument :
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20 PPM ALIPHATIC HC STD

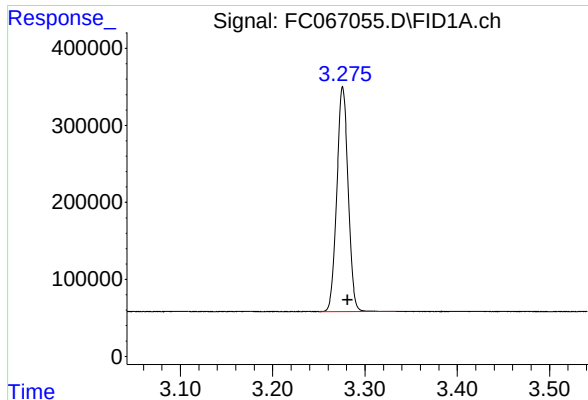
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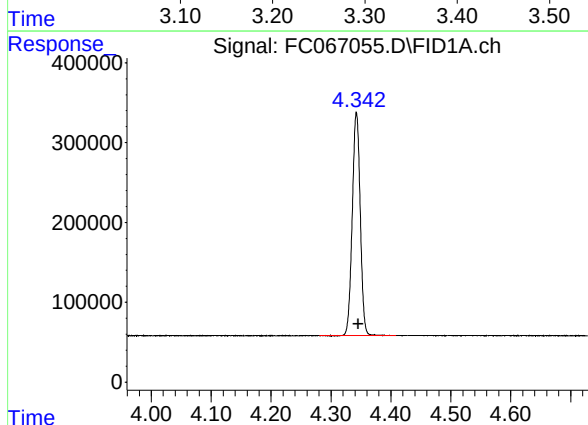
#1 n-Nonane (C9)

R.T.: 3.276 min
Delta R.T.: -0.005 min
Response: 2488897
Conc: 16.93 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

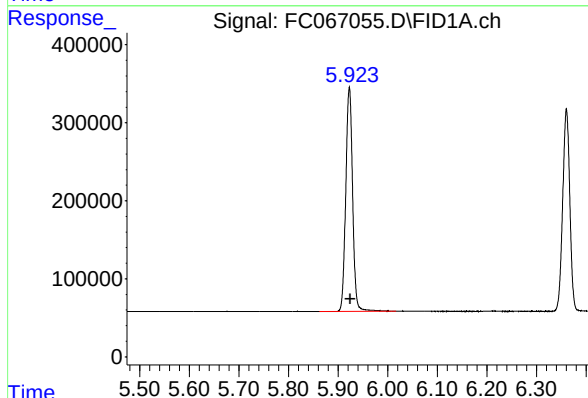
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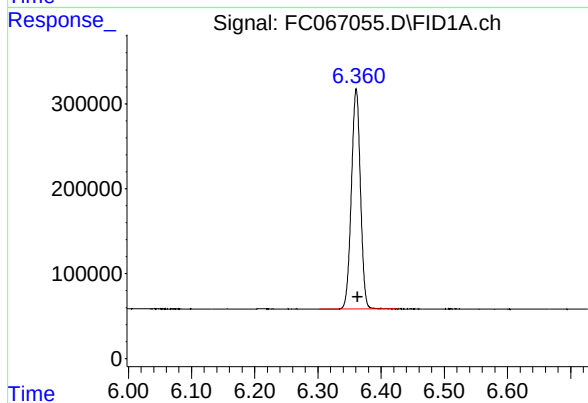
#2 n-Decane (C10)

R.T.: 4.343 min
Delta R.T.: -0.003 min
Response: 2585481
Conc: 17.25 ug/ml



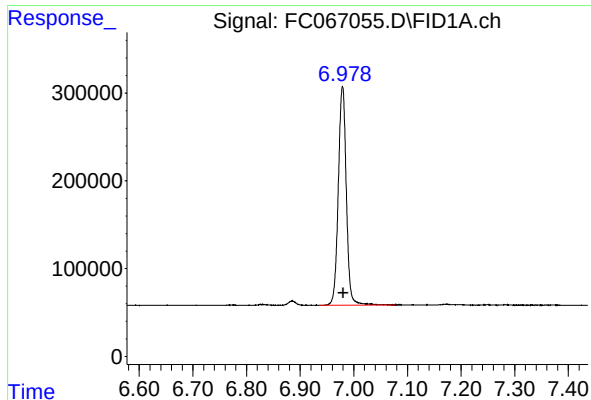
#3 A~Naphthalene (C11.7)

R.T.: 5.923 min
Delta R.T.: -0.003 min
Response: 2744352
Conc: 17.25 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.361 min
Delta R.T.: -0.002 min
Response: 2579569
Conc: 17.19 ug/ml



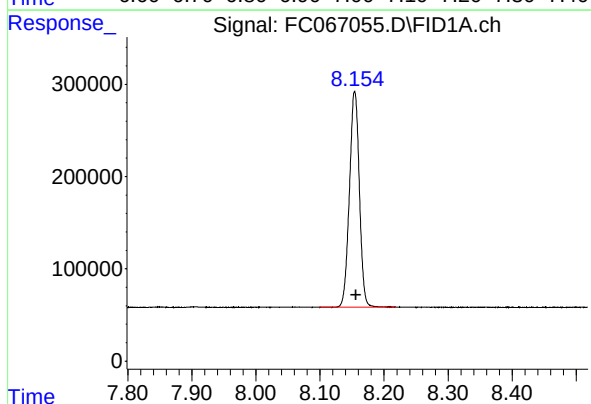
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.979 min
Delta R.T.: -0.001 min
Response: 2589932
Conc: 17.22 ug/ml

Instrument :
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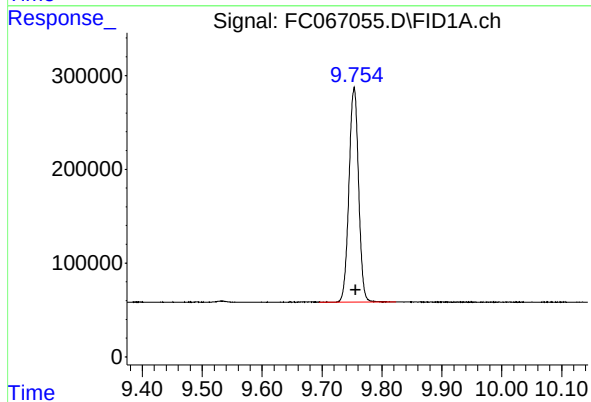
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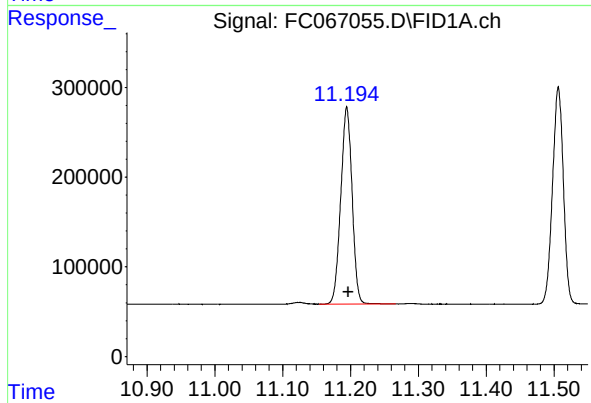
#6 n-Tetradecane (C14)

R.T.: 8.154 min
Delta R.T.: -0.002 min
Response: 2509072
Conc: 17.30 ug/ml



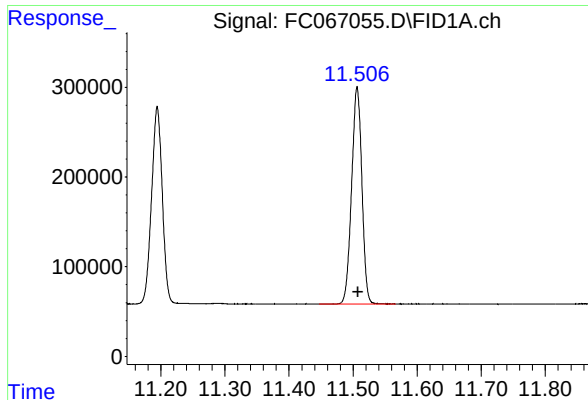
#7 n-Hexadecane (C16)

R.T.: 9.754 min
Delta R.T.: -0.002 min
Response: 2552549
Conc: 17.42 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.195 min
Delta R.T.: -0.002 min
Response: 2553293
Conc: 17.52 ug/ml



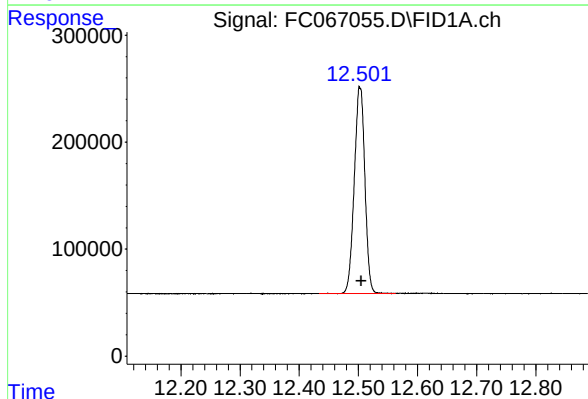
#9 ortho-Terphenyl (SURR)

R.T.: 11.506 min
Delta R.T.: -0.002 min
Response: 2690142
Conc: 17.67 ug/ml

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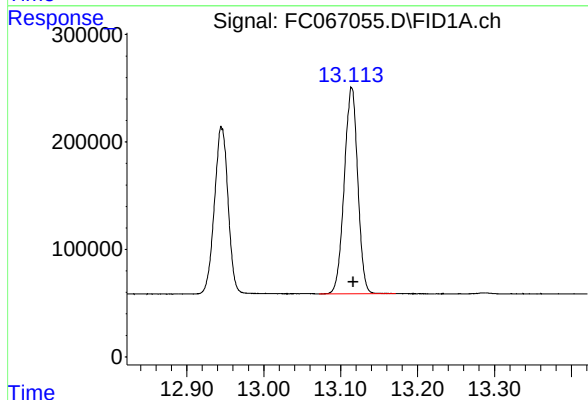
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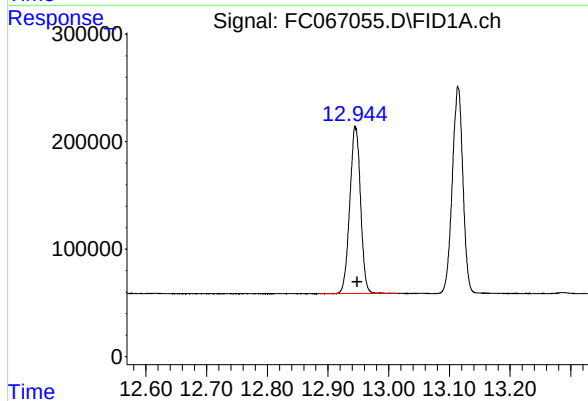
#10 n-Eicosane (C20)

R.T.: 12.503 min
Delta R.T.: -0.002 min
Response: 2401321
Conc: 17.53 ug/ml



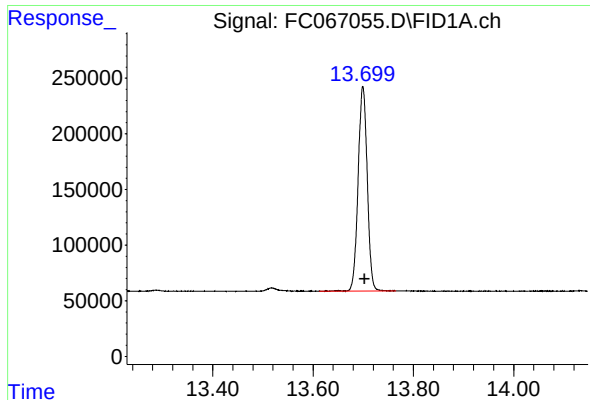
#11 n-Heneicosane (C21)

R.T.: 13.114 min
Delta R.T.: -0.002 min
Response: 2339296
Conc: 17.55 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.945 min
Delta R.T.: -0.003 min
Response: 1913048
Conc: 17.66 ug/ml



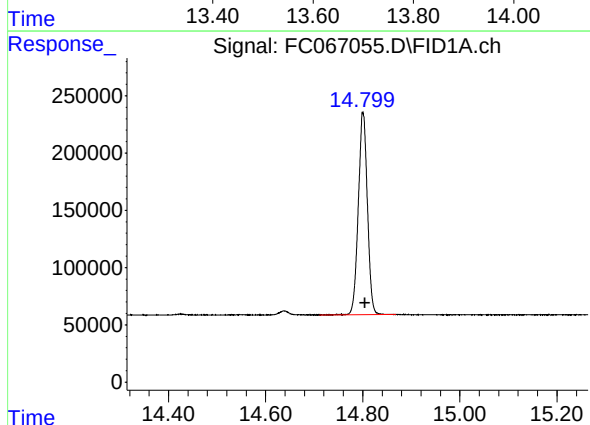
#13 n-Docosane (C22)

R.T.: 13.699 min
Delta R.T.: -0.003 min
Response: 2318092
Conc: 17.59 ug/ml

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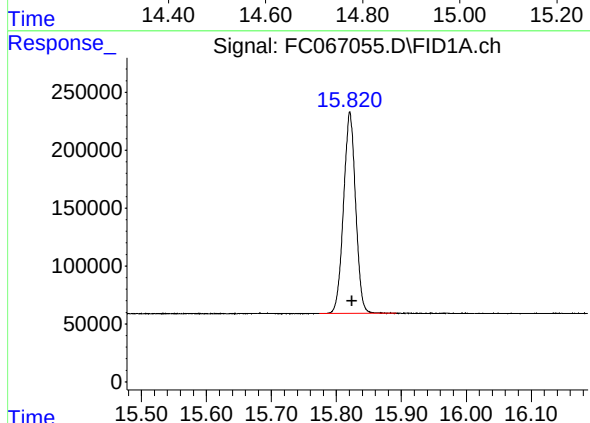
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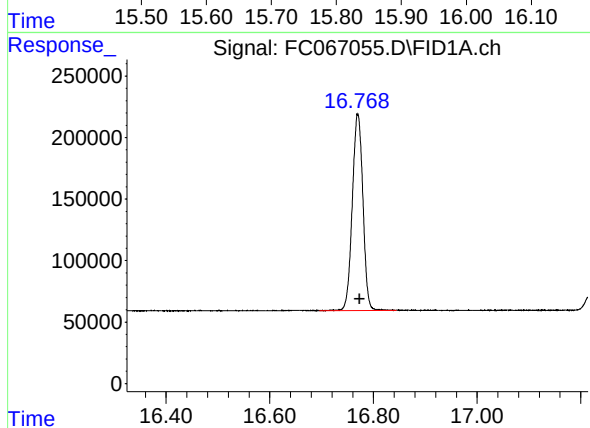
#14 n-Tetracosane (C24)

R.T.: 14.801 min
Delta R.T.: -0.004 min
Response: 2283889
Conc: 17.62 ug/ml



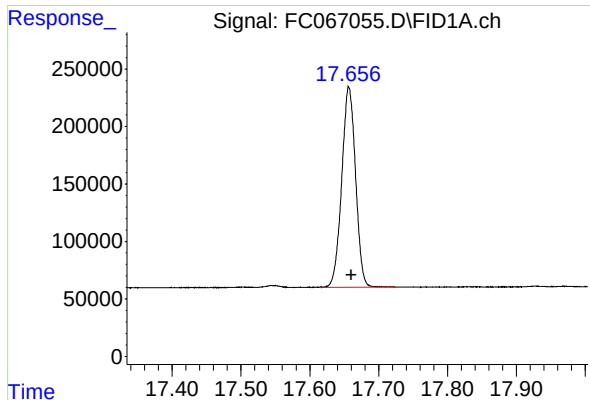
#15 n-Hexacosane (C26)

R.T.: 15.821 min
Delta R.T.: -0.003 min
Response: 2247260
Conc: 17.72 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.770 min
Delta R.T.: -0.003 min
Response: 2273826
Conc: 18.31 ug/ml



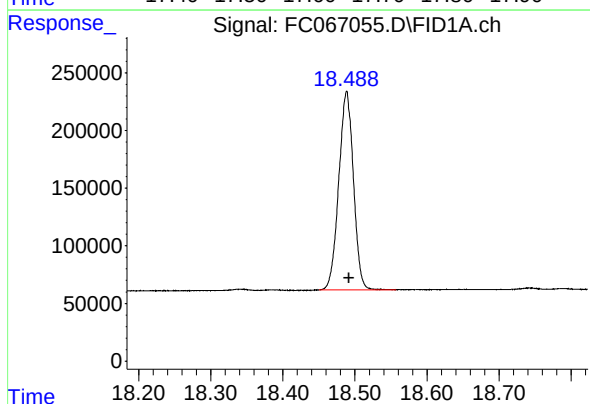
#17 n-Tricontane (C30)

R.T.: 17.657 min
Delta R.T.: -0.003 min
Response: 2432473
Conc: 19.36 ug/ml

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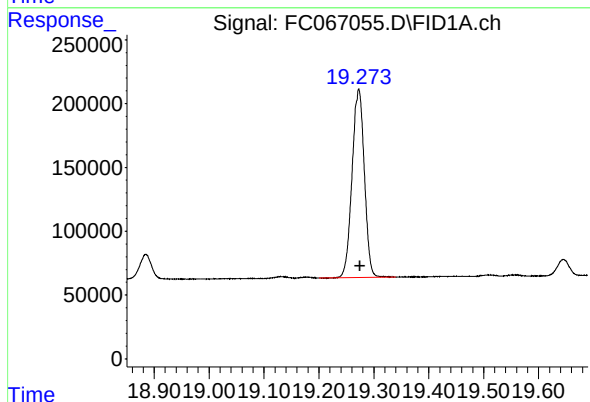
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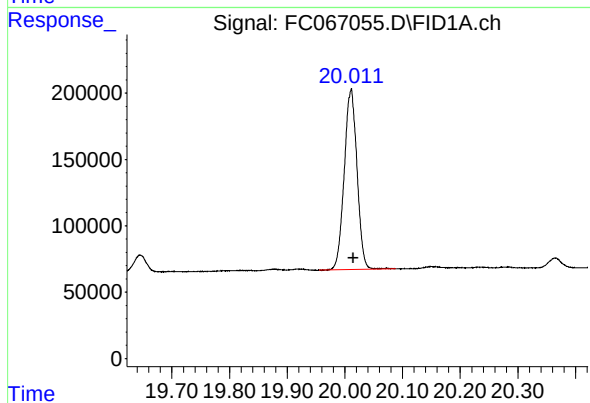
#18 n-Dotriacontane (C32)

R.T.: 18.488 min
Delta R.T.: -0.003 min
Response: 2435948
Conc: 19.72 ug/ml



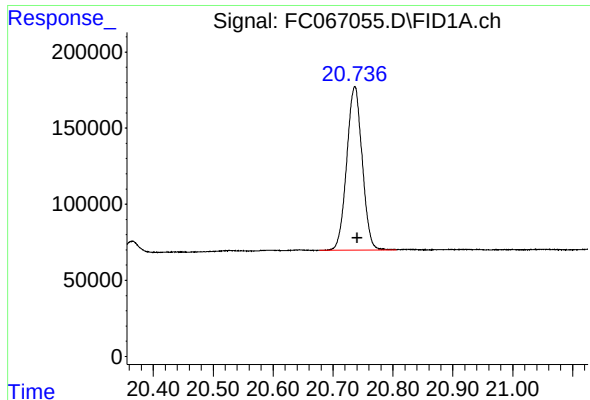
#19 n-Tetratriacontane (C34)

R.T.: 19.272 min
Delta R.T.: -0.003 min
Response: 2300187
Conc: 19.18 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.010 min
Delta R.T.: -0.004 min
Response: 2094199
Conc: 18.55 ug/ml



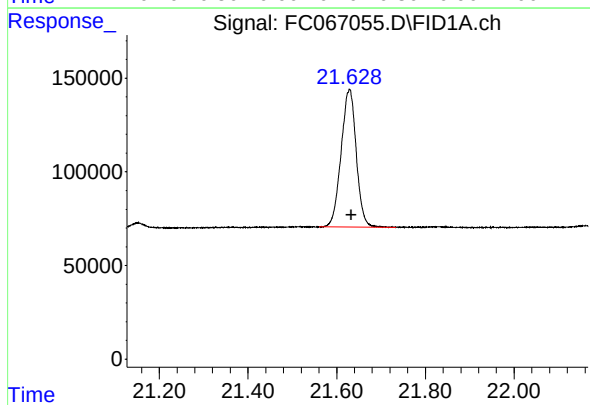
#21 n-Octatriacontane (C38)

R.T.: 20.736 min
Delta R.T.: -0.005 min
Response: 1931369
Conc: 17.73 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.629 min
Delta R.T.: -0.004 min
Response: 1745845
Conc: 17.09 ug/ml