

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC092424AL\
 Data File : FC067254.D
 Signal(s) : FID1A.ch
 Acq On : 24 Sep 2024 19:01
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/25/2024
 Supervised By :Ankita Jodhani 09/25/2024

Integration File: autoint1.e
 Quant Time: Sep 25 02:44:29 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)	11.500	2500056	17.954 ug/ml
Spiked Amount 50.000		Recovery =	35.91%
12) S 1-chlorooctadecane (S...	12.938	1796149	18.387 ug/ml
Spiked Amount 50.000		Recovery =	36.77%
Target Compounds			
1) T n-Nonane (C9)	3.276	2401209	18.102 ug/ml
2) T n-Decane (C10)	4.340	2503528	18.640 ug/ml
3) T A~Naphthalene (C11.7)	5.918	2601943	18.307 ug/ml
4) T n-Dodecane (C12)	6.356	2493811	18.631 ug/ml
5) T A~2-methylnaphthalene...	6.973	2450866	18.354 ug/ml
6) T n-Tetradecane (C14)	8.150	2405620	18.666 ug/ml
7) T n-Hexadecane (C16)	9.748	2412427	18.712 ug/ml
8) T n-Octadecane (C18)	11.188	2394107	18.712 ug/ml
10) T n-Eicosane (C20)	12.496	2241014	18.657 ug/ml
11) T n-Heneicosane (C21)	13.107	2182010	18.683 ug/ml
13) T n-Docosane (C22)	13.693	2164303	18.745 ug/ml
14) T n-Tetracosane (C24)	14.795	2201934	19.390 ug/ml
15) T n-Hexacosane (C26)	15.814	2148475	19.386 ug/ml
16) T n-Octacosane (C28)	16.762	2195527	20.325 ug/ml
17) T n-Tricontane (C30)	17.649	2396656	22.033 ug/ml
18) T n-Dotriacontane (C32)	18.481	2405328	23.060 ug/mlm
19) T n-Tetratriacontane (C34)	19.263	2212162	23.978 ug/ml
20) T n-Hexatriacontane (C36)	20.002	1944310	24.535 ug/ml
21) T n-Octatriacontane (C38)	20.725	1671086	22.247 ug/ml
22) T n-Tetracontane (C40)	21.612	1398462	20.017 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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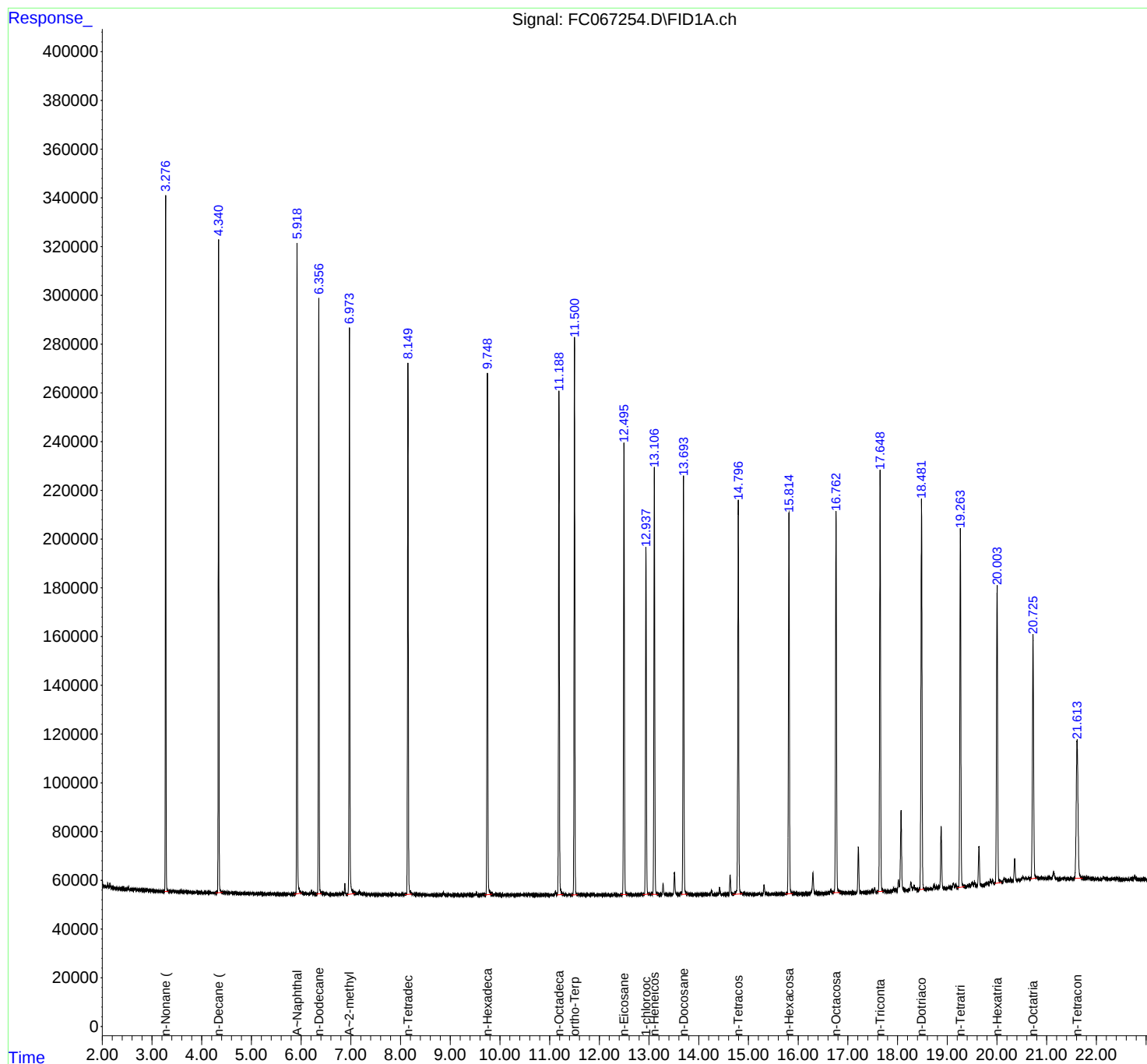
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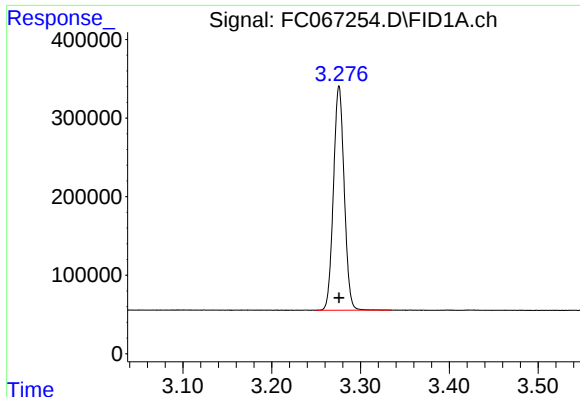
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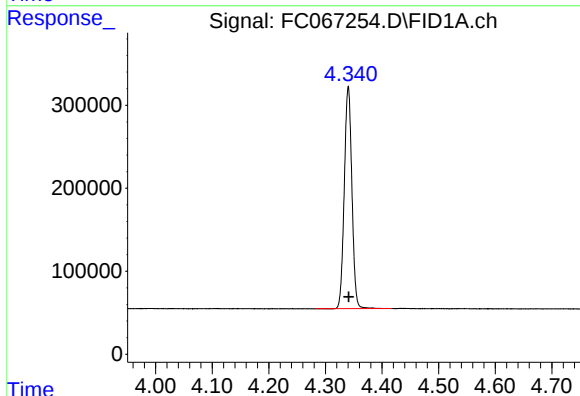
#1 n-Nonane (C9)

R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 2401209
Conc: 18.10 ug/ml

Instrument : FID_C
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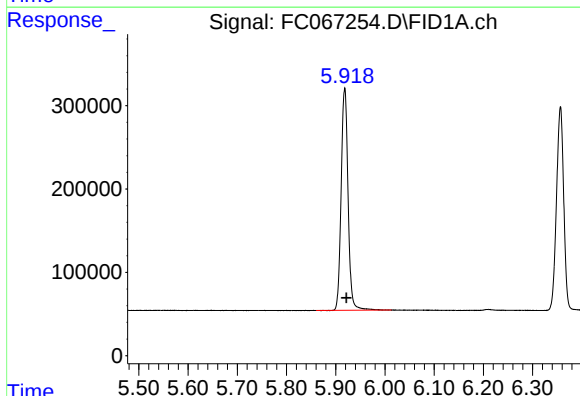
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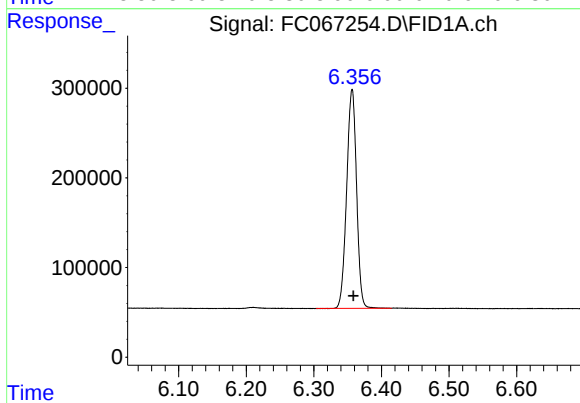
#2 n-Decane (C10)

R.T.: 4.340 min
Delta R.T.: 0.000 min
Response: 2503528
Conc: 18.64 ug/ml



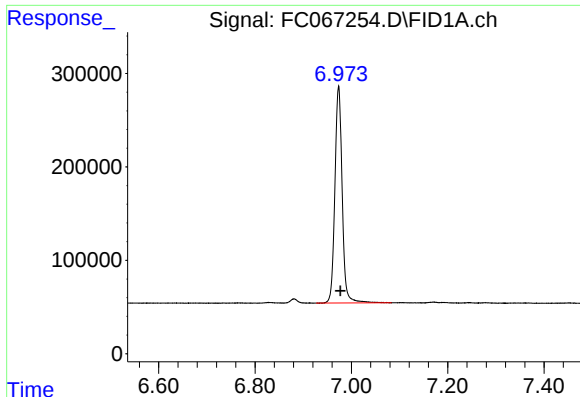
#3 A~Naphthalene (C11.7)

R.T.: 5.918 min
Delta R.T.: -0.003 min
Response: 2601943
Conc: 18.31 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.356 min
Delta R.T.: -0.002 min
Response: 2493811
Conc: 18.63 ug/ml



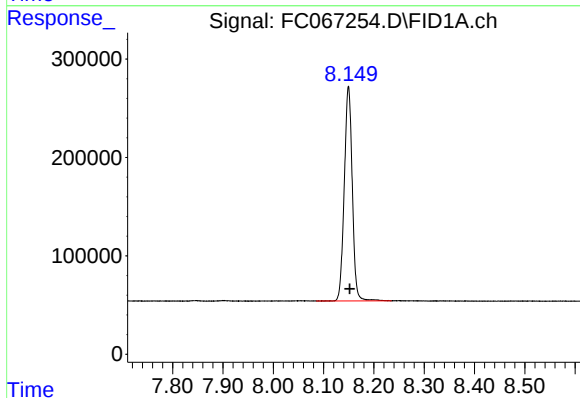
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.973 min
Delta R.T.: -0.004 min
Response: 2450866
Conc: 18.35 ug/ml

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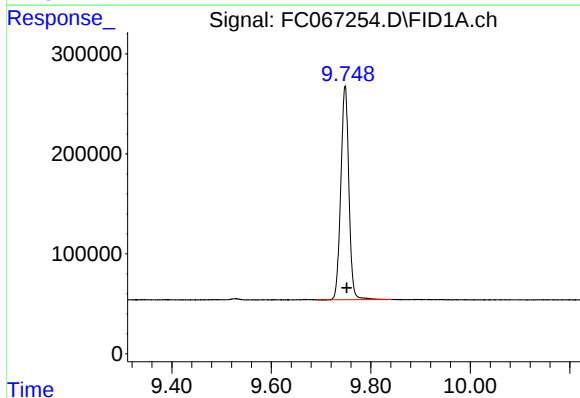
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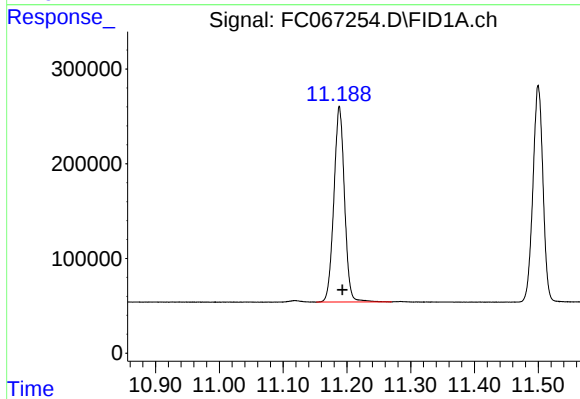
#6 n-Tetradecane (C14)

R.T.: 8.150 min
Delta R.T.: -0.002 min
Response: 2405620
Conc: 18.67 ug/ml



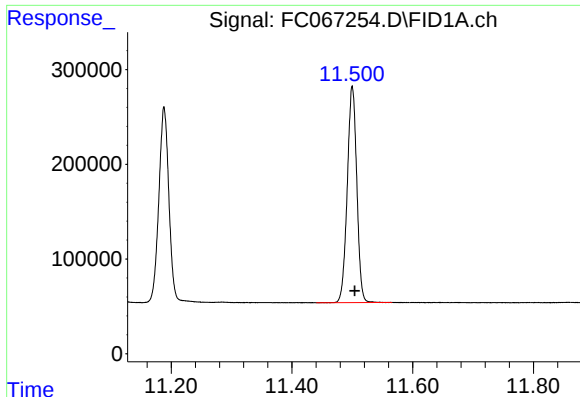
#7 n-Hexadecane (C16)

R.T.: 9.748 min
Delta R.T.: -0.004 min
Response: 2412427
Conc: 18.71 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.188 min
Delta R.T.: -0.005 min
Response: 2394107
Conc: 18.71 ug/ml



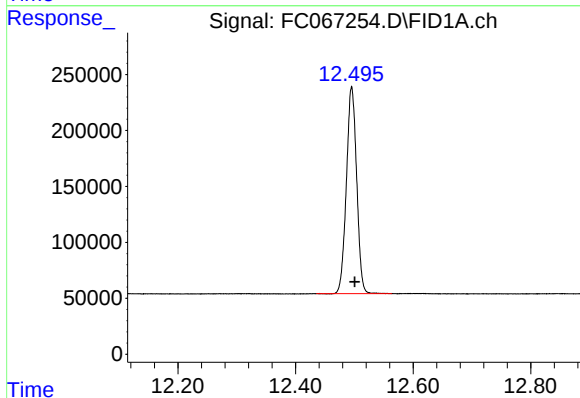
#9 ortho-Terphenyl (SURR)

R.T.: 11.500 min
Delta R.T.: -0.004 min
Response: 2500056
Conc: 17.95 ug/ml

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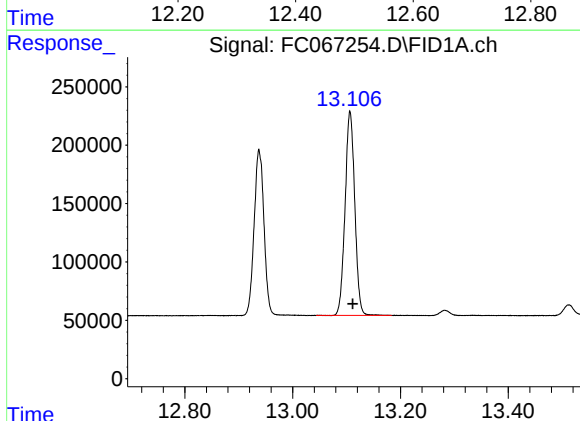
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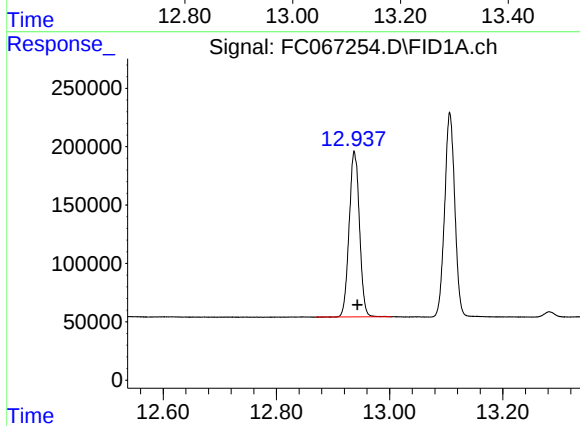
#10 n-Eicosane (C20)

R.T.: 12.496 min
Delta R.T.: -0.005 min
Response: 2241014
Conc: 18.66 ug/ml



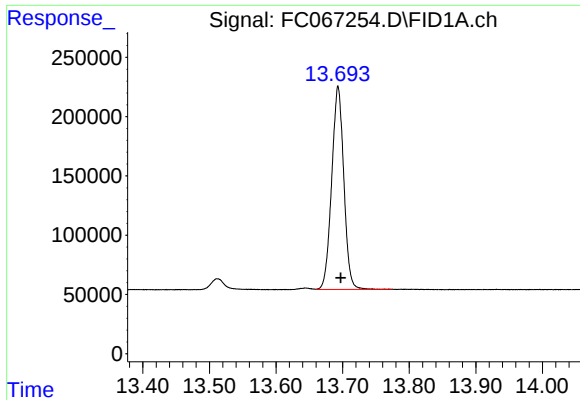
#11 n-Heneicosane (C21)

R.T.: 13.107 min
Delta R.T.: -0.005 min
Response: 2182010
Conc: 18.68 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.938 min
Delta R.T.: -0.005 min
Response: 1796149
Conc: 18.39 ug/ml



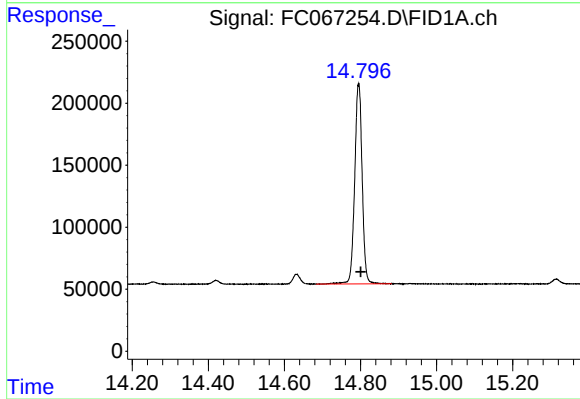
#13 n-Docosane (C22)

R.T.: 13.693 min
Delta R.T.: -0.004 min
Response: 2164303
Conc: 18.75 ug/ml

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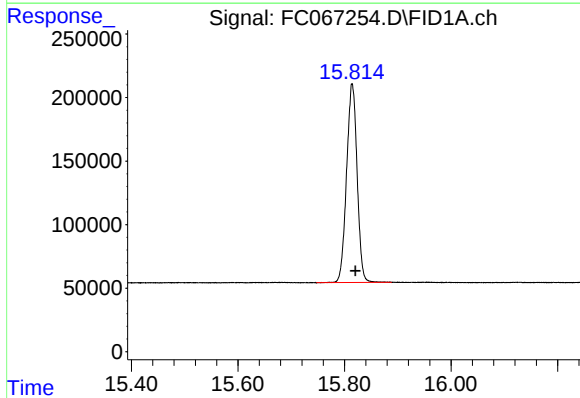
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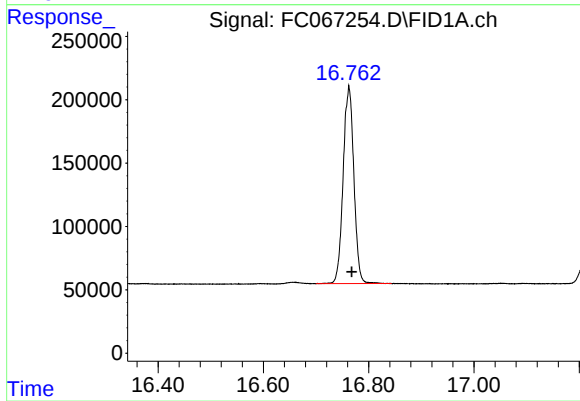
#14 n-Tetracosane (C24)

R.T.: 14.795 min
Delta R.T.: -0.006 min
Response: 2201934
Conc: 19.39 ug/ml



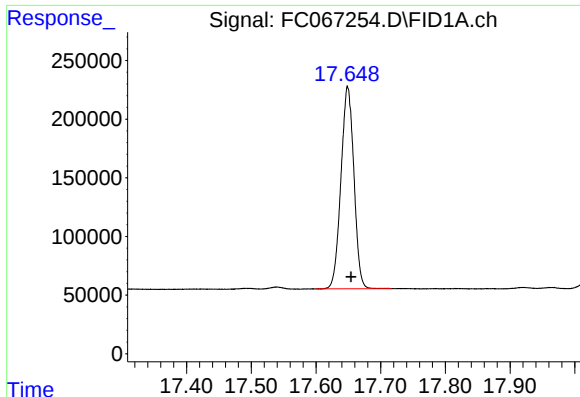
#15 n-Hexacosane (C26)

R.T.: 15.814 min
Delta R.T.: -0.006 min
Response: 2148475
Conc: 19.39 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.762 min
Delta R.T.: -0.006 min
Response: 2195527
Conc: 20.33 ug/ml



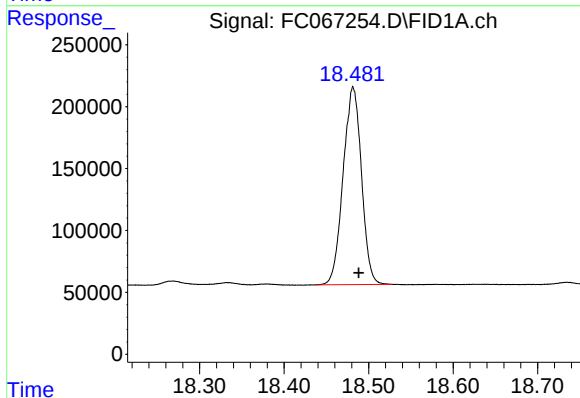
#17 n-Tricontane (C30)

R.T.: 17.649 min
Delta R.T.: -0.005 min
Response: 2396656
Conc: 22.03 ug/ml

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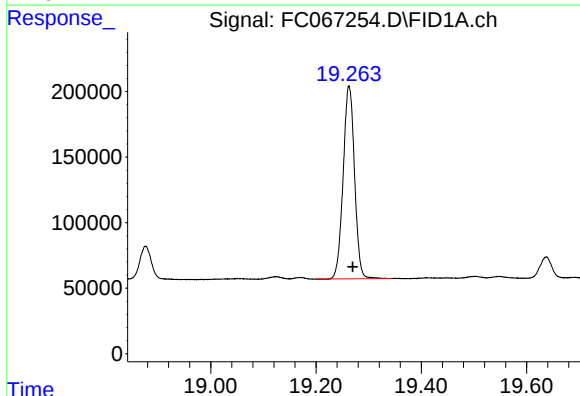
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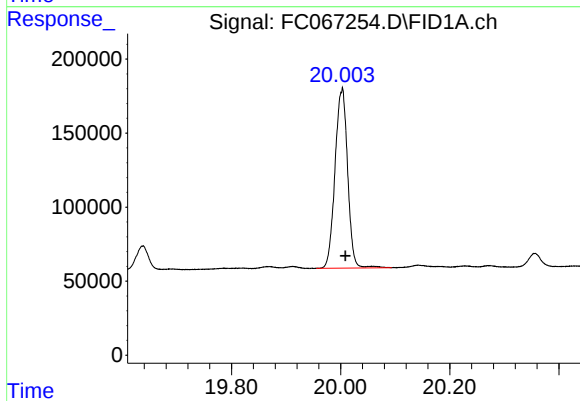
#18 n-Dotriacontane (C32)

R.T.: 18.481 min
Delta R.T.: -0.007 min
Response: 2405328
Conc: 23.06 ug/ml m



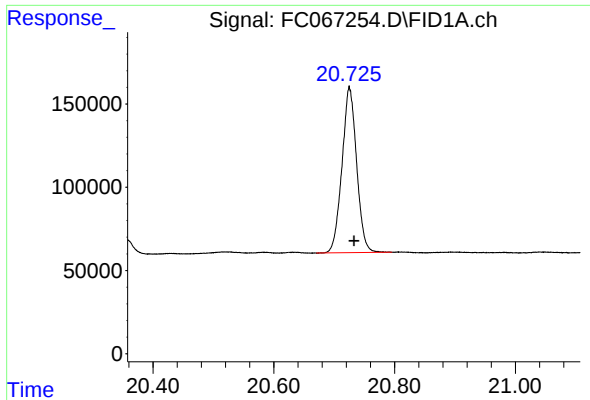
#19 n-Tetratriacontane (C34)

R.T.: 19.263 min
Delta R.T.: -0.007 min
Response: 2212162
Conc: 23.98 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.002 min
Delta R.T.: -0.007 min
Response: 1944310
Conc: 24.53 ug/ml



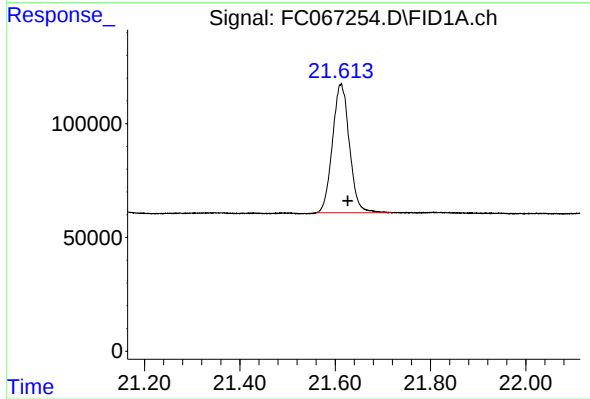
#21 n-Octatriacontane (C38)

R.T.: 20.725 min
Delta R.T.: -0.008 min
Response: 1671086
Conc: 22.25 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.612 min
Delta R.T.: -0.015 min
Response: 1398462
Conc: 20.02 ug/ml