

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F121224AL\
 Data File : FC068002.D
 Signal(s) : FID1A.ch
 Acq On : 12 Dec 2024 19:17
 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 12/13/2024
 Supervised By :Ankita Jodhani 12/13/2024

Integration File: autoint1.e
 Quant Time: Dec 13 00:31:36 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 10 07:59:10 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)	11.466	3259929	18.853 ug/ml
Spiked Amount 50.000		Recovery =	37.71%
12) S 1-chlorooctadecane (S...	12.905	2431870	19.059 ug/ml
Spiked Amount 50.000		Recovery =	38.12%
Target Compounds			
1) T n-Nonane (C9)	3.249	2880627	18.541 ug/ml
2) T n-Decane (C10)	4.311	2949306	18.605 ug/ml
3) T A~Naphthalene (C11.7)	5.886	3253939	18.639 ug/ml
4) T n-Dodecane (C12)	6.325	2989257	18.565 ug/ml
5) T A~2-methylnaphthalene...	6.941	3148371	18.791 ug/ml
6) T n-Tetradecane (C14)	8.118	2971438	18.689 ug/ml
7) T n-Hexadecane (C16)	9.716	3040721	18.822 ug/ml
8) T n-Octadecane (C18)	11.156	3037279	18.919 ug/ml
10) T n-Eicosane (C20)	12.463	2865489	19.049 ug/ml
11) T n-Heneicosane (C21)	13.074	2788935	19.087 ug/ml
13) T n-Docosane (C22)	13.660	2741048	19.149 ug/ml
14) T n-Tetracosane (C24)	14.760	2686297	19.333 ug/ml
15) T n-Hexacosane (C26)	15.780	2606274	19.489 ug/ml
16) T n-Octacosane (C28)	16.728	2625102	20.238 ug/mlm
17) T n-Tricontane (C30)	17.614	2741009	21.159 ug/ml
18) T n-Dotriacontane (C32)	18.446	2699915	21.793 ug/ml
19) T n-Tetratriacontane (C34)	19.227	2359618	21.618 ug/ml
20) T n-Hexatriacontane (C36)	19.965	1997488	21.113 ug/ml
21) T n-Octatriacontane (C38)	20.684	1857798	20.537 ug/ml
22) T n-Tetracontane (C40)	21.556	1807352	20.506 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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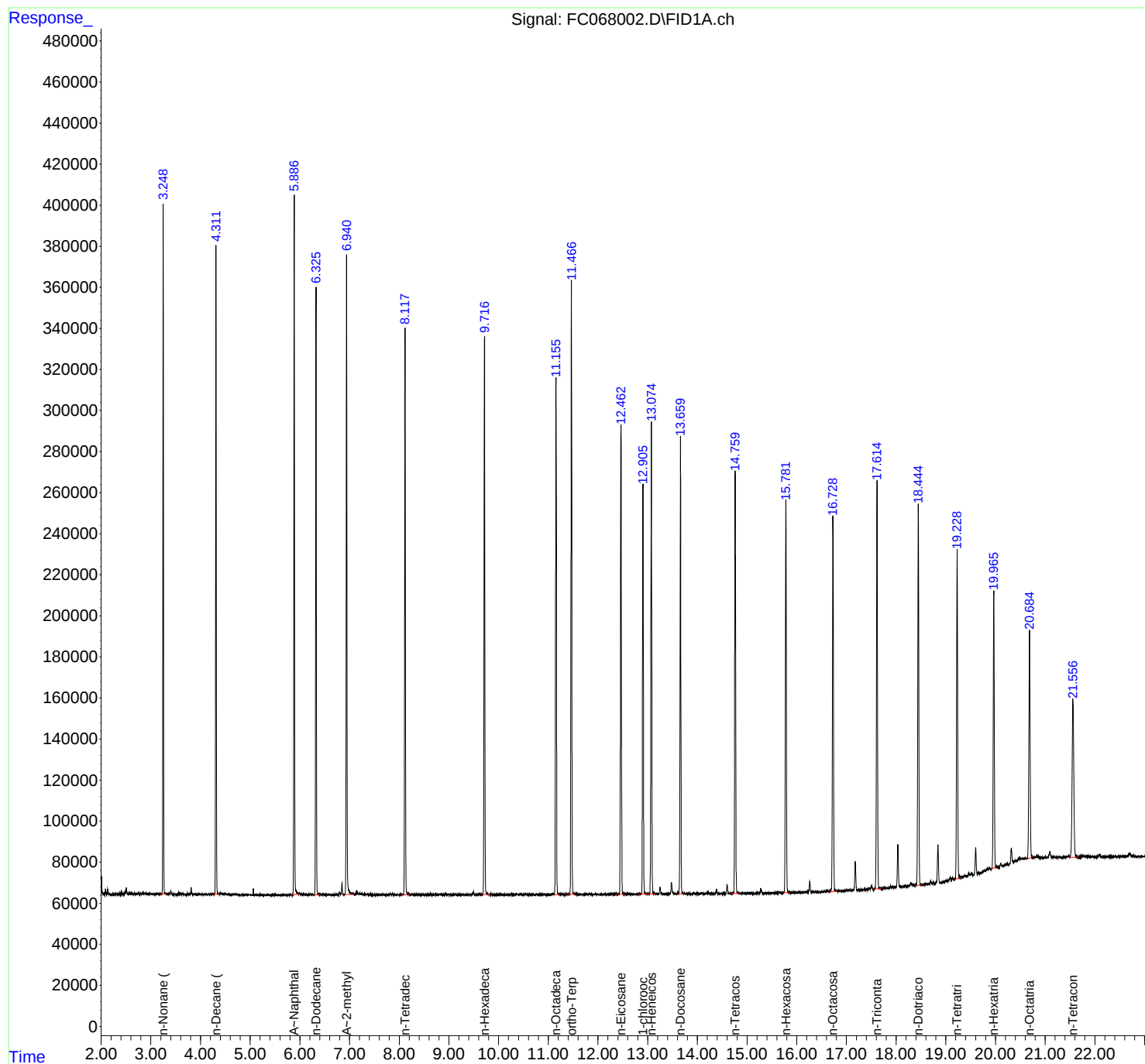
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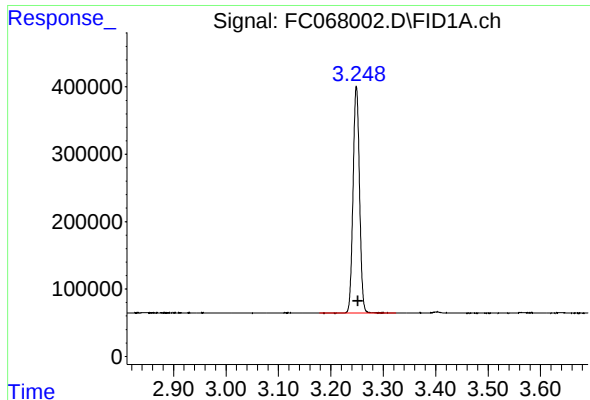
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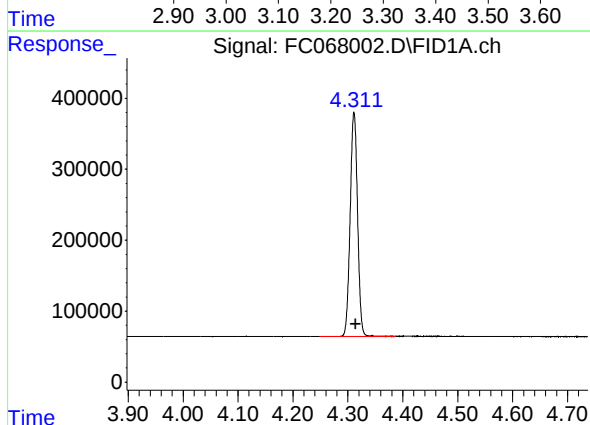
#1 n-Nonane (C9)

R.T.: 3.249 min
Delta R.T.: -0.003 min
Response: 2880627
Conc: 18.54 ug/ml

Instrument :
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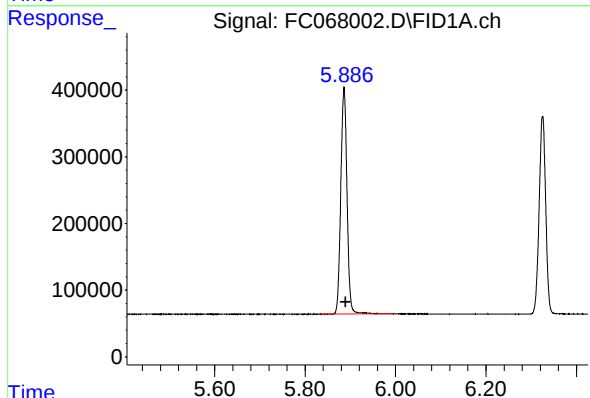
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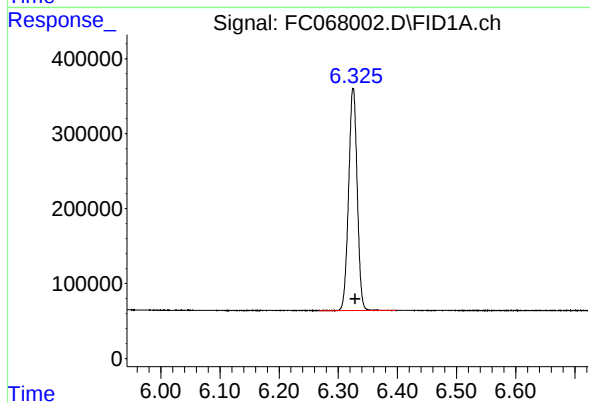
#2 n-Decane (C10)

R.T.: 4.311 min
Delta R.T.: -0.003 min
Response: 2949306
Conc: 18.60 ug/ml



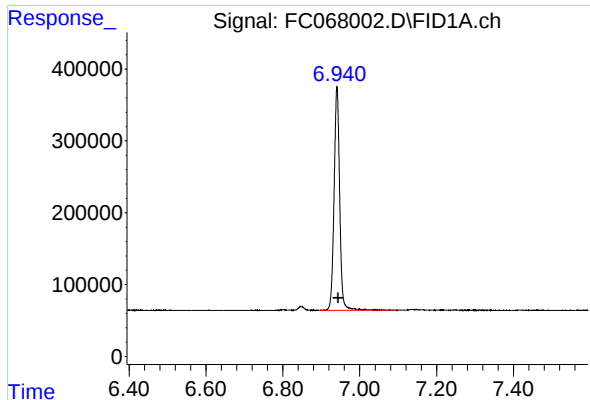
#3 A~Naphthalene (C11.7)

R.T.: 5.886 min
Delta R.T.: -0.003 min
Response: 3253939
Conc: 18.64 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.325 min
Delta R.T.: -0.003 min
Response: 2989257
Conc: 18.57 ug/ml



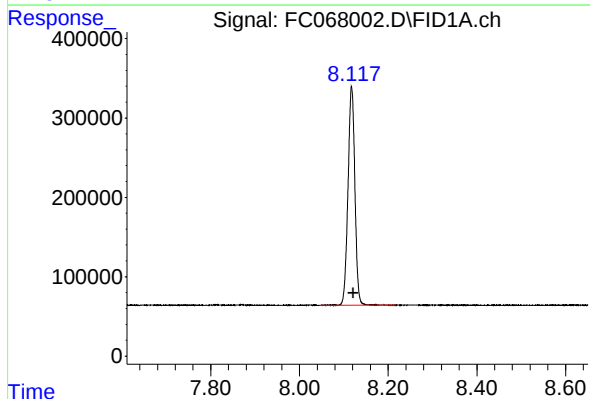
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.941 min
Delta R.T.: -0.003 min
Response: 3148371
Conc: 18.79 ug/ml

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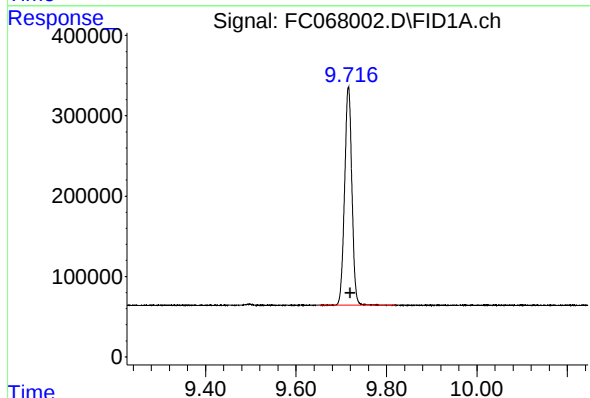
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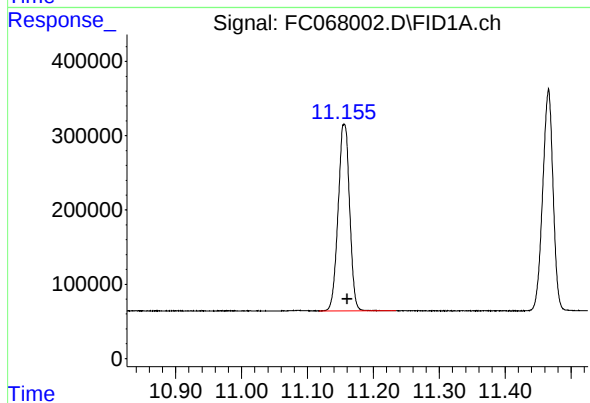
#6 n-Tetradecane (C14)

R.T.: 8.118 min
Delta R.T.: -0.004 min
Response: 2971438
Conc: 18.69 ug/ml



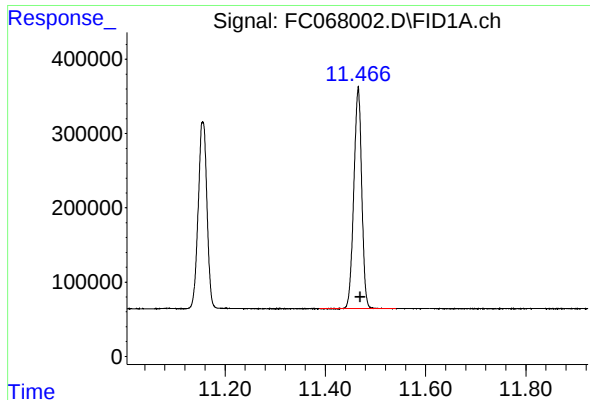
#7 n-Hexadecane (C16)

R.T.: 9.716 min
Delta R.T.: -0.005 min
Response: 3040721
Conc: 18.82 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.156 min
Delta R.T.: -0.004 min
Response: 3037279
Conc: 18.92 ug/ml



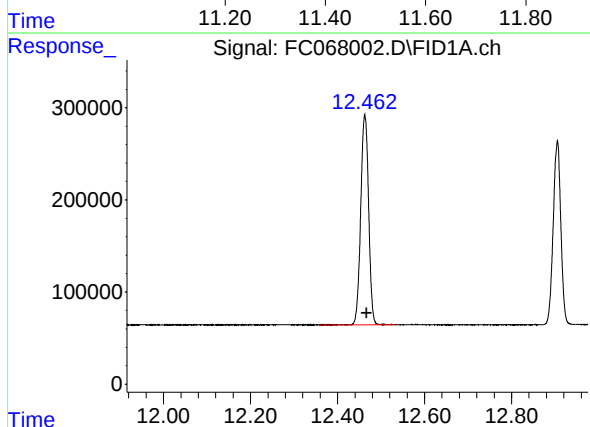
#9 ortho-Terphenyl (SURR)

R.T.: 11.466 min
Delta R.T.: -0.005 min
Response: 3259929
Conc: 18.85 ug/ml

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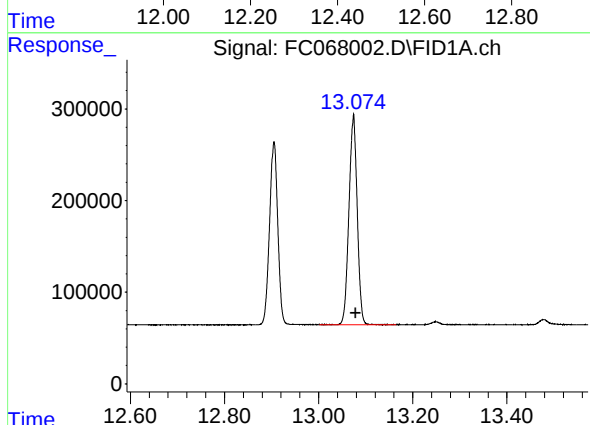
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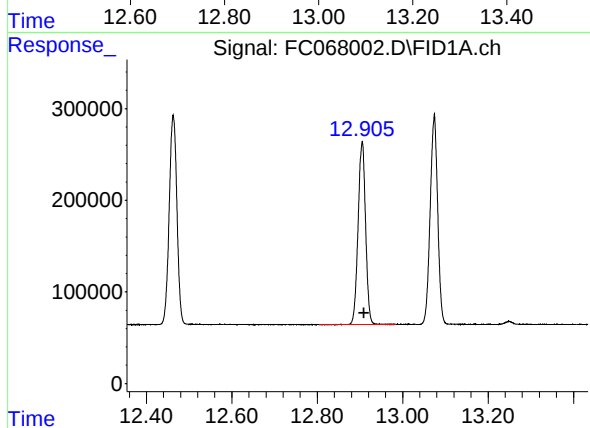
#10 n-Eicosane (C20)

R.T.: 12.463 min
Delta R.T.: -0.005 min
Response: 2865489
Conc: 19.05 ug/ml



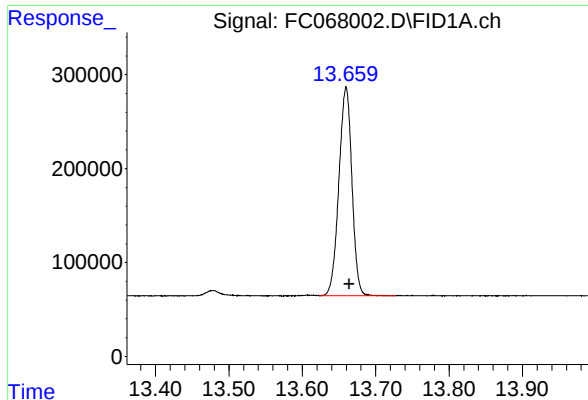
#11 n-Heneicosane (C21)

R.T.: 13.074 min
Delta R.T.: -0.005 min
Response: 2788935
Conc: 19.09 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.905 min
Delta R.T.: -0.004 min
Response: 2431870
Conc: 19.06 ug/ml



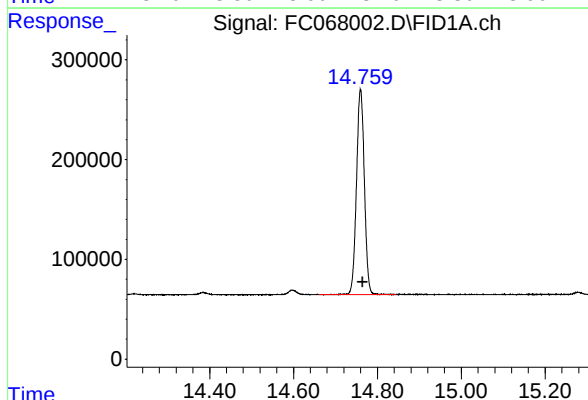
#13 n-Docosane (C22)

R.T.: 13.660 min
Delta R.T.: -0.004 min
Response: 2741048
Conc: 19.15 ug/ml

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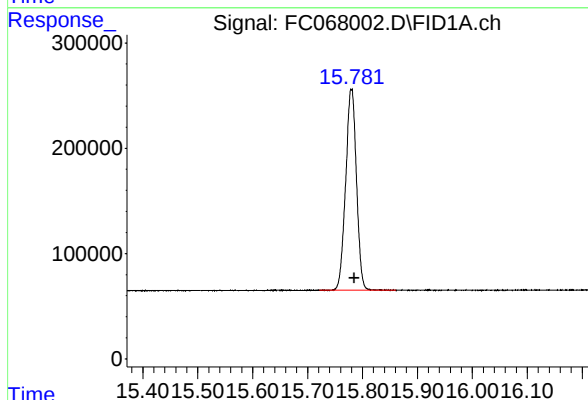
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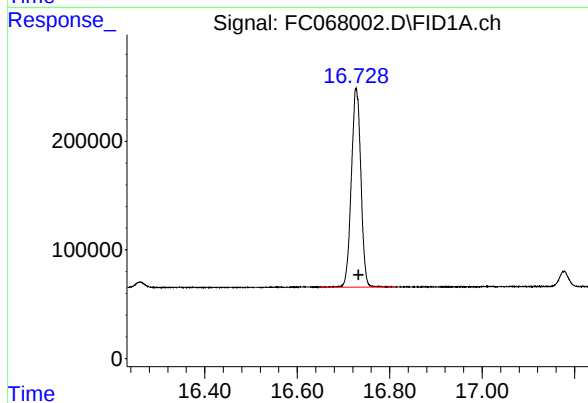
#14 n-Tetracosane (C24)

R.T.: 14.760 min
Delta R.T.: -0.005 min
Response: 2686297
Conc: 19.33 ug/ml



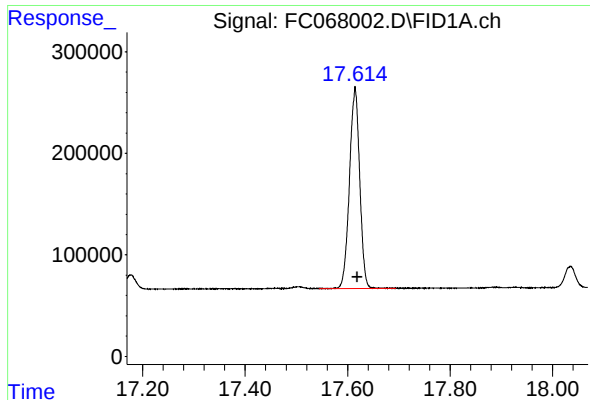
#15 n-Hexacosane (C26)

R.T.: 15.780 min
Delta R.T.: -0.005 min
Response: 2606274
Conc: 19.49 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.728 min
Delta R.T.: -0.005 min
Response: 2625102
Conc: 20.24 ug/ml m



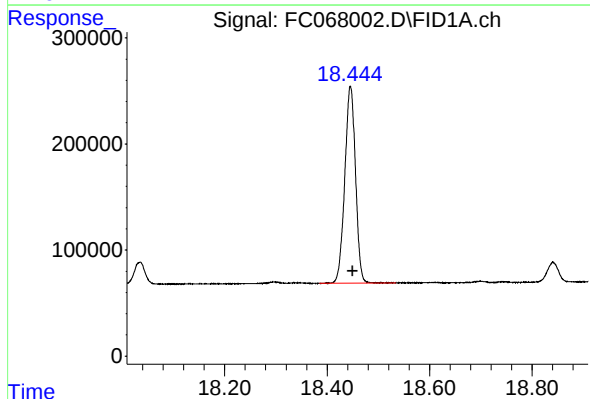
#17 n-Tricontane (C30)

R.T.: 17.614 min
Delta R.T.: -0.004 min
Response: 2741009
Conc: 21.16 ug/ml

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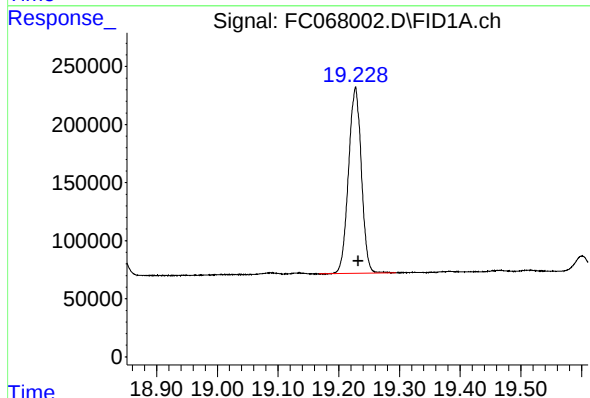
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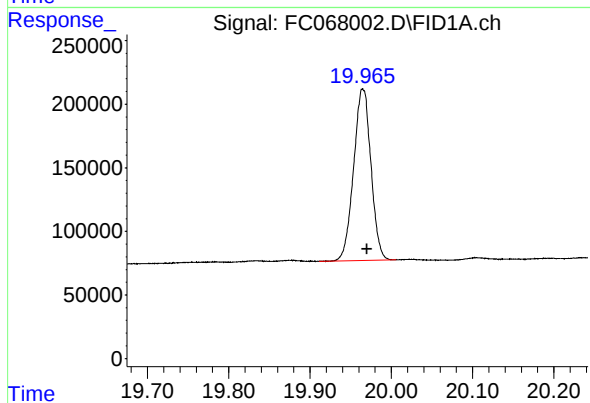
#18 n-Dotriacontane (C32)

R.T.: 18.446 min
Delta R.T.: -0.004 min
Response: 2699915
Conc: 21.79 ug/ml



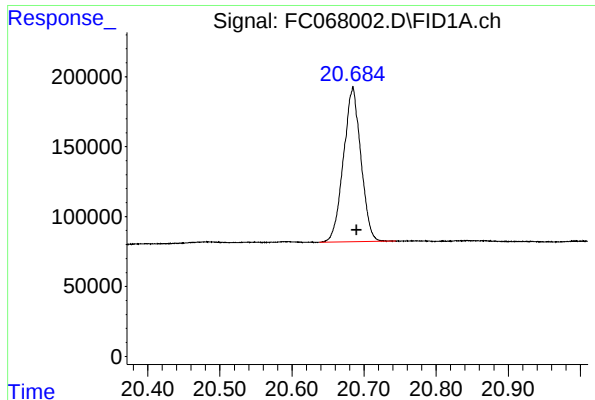
#19 n-Tetratriacontane (C34)

R.T.: 19.227 min
Delta R.T.: -0.005 min
Response: 2359618
Conc: 21.62 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.965 min
Delta R.T.: -0.005 min
Response: 1997488
Conc: 21.11 ug/ml



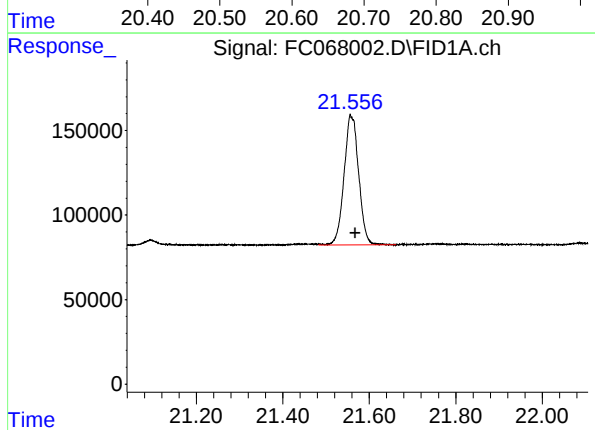
#21 n-Octatriacontane (C38)

R.T.: 20.684 min
Delta R.T.: -0.005 min
Response: 1857798
Conc: 20.54 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.556 min
Delta R.T.: -0.012 min
Response: 1807352
Conc: 20.51 ug/ml m