

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F122623AL\
 Data File : FC065522.D
 Signal(s) : FID1A.ch
 Acq On : 26 Dec 2023 14:01
 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 12/28/2023
 Supervised By :Ankita Jodhani 12/28/2023

Integration File: autoint1.e
 Quant Time: Dec 26 22:25:04 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121823.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 18 12:39:13 2023
 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)	11.496	4577946	20.004 ug/ml
Spiked Amount 50.000		Recovery =	40.01%
12) S 1-chlorooctadecane (S...	12.927	3238618	19.813 ug/ml
Spiked Amount 50.000		Recovery =	39.63%
Target Compounds			
1) T n-Nonane (C9)	3.298	4086537	20.551 ug/ml
2) T n-Decane (C10)	4.356	4125554	20.579 ug/ml
3) T A~Naphthalene (C11.7)	5.937	4021126	20.007 ug/ml
4) T n-Dodecane (C12)	6.366	4171532	20.405 ug/ml
5) T A~2-methylnaphthalene...	6.992	3825376	19.593 ug/ml
6) T n-Tetradecane (C14)	8.154	4034111	20.137 ug/ml
7) T n-Hexadecane (C16)	9.747	3982330	19.894 ug/ml
8) T n-Octadecane (C18)	11.182	3934173	19.992 ug/ml
10) T n-Eicosane (C20)	12.486	3732847	19.912 ug/ml
11) T n-Heneicosane (C21)	13.094	3638022	19.946 ug/ml
13) T n-Docosane (C22)	13.678	3563218	19.749 ug/ml
14) T n-Tetracosane (C24)	14.775	3462548	19.220 ug/ml
15) T n-Hexacosane (C26)	15.792	3317186	19.149 ug/ml
16) T n-Octacosane (C28)	16.737	3235259	18.865 ug/ml
17) T n-Tricontane (C30)	17.620	3275681	18.703 ug/ml
18) T n-Dotriacontane (C32)	18.448	3262749	18.705 ug/ml
19) T n-Tetratriacontane (C34)	19.228	3183641	19.241 ug/ml
20) T n-Hexatriacontane (C36)	19.965	3138217	19.437 ug/mlm
21) T n-Octatriacontane (C38)	20.681	3084688	19.450 ug/ml
22) T n-Tetracontane (C40)	21.555	3009113	18.892 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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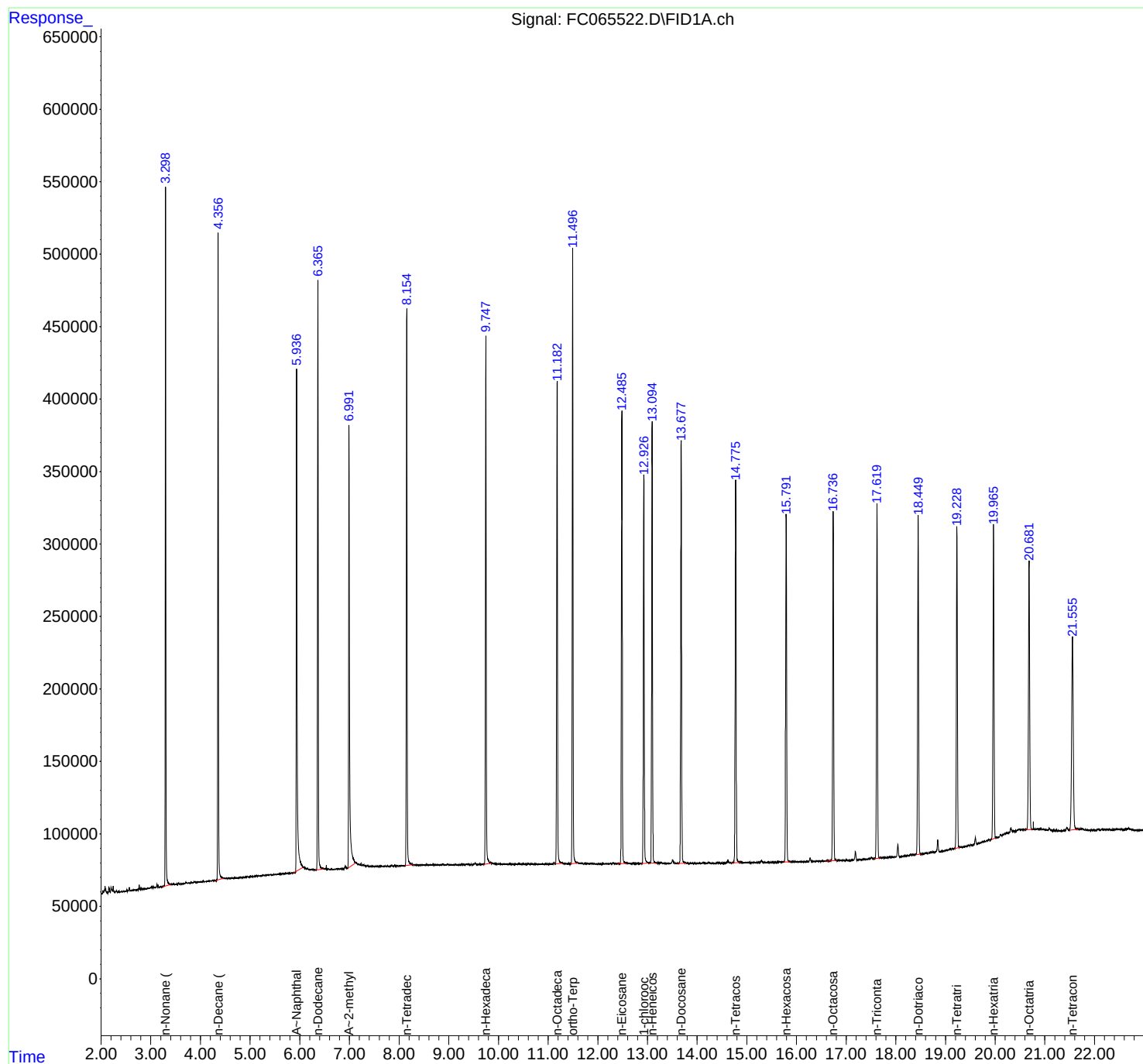
Instrument :
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20 PPM ALIPHATIC HC STD

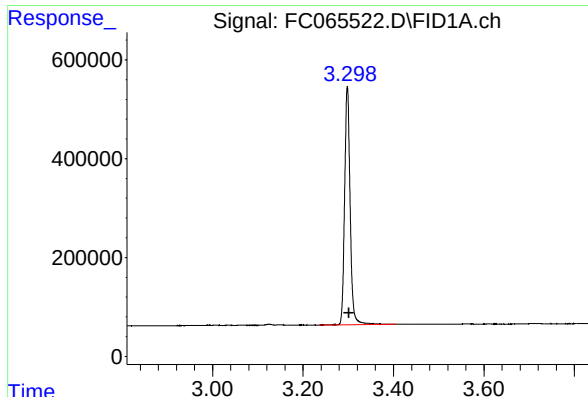
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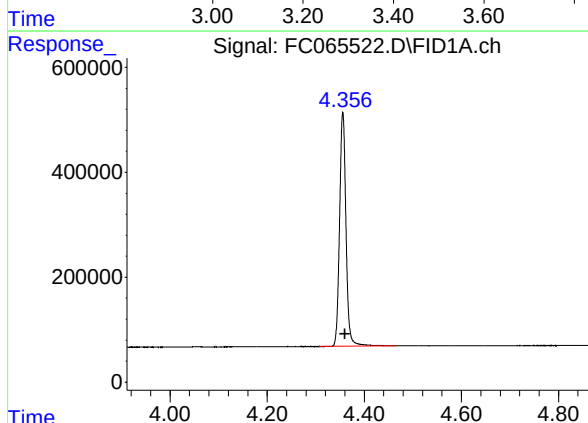
#1 n-Nonane (C9)

R.T.: 3.298 min
Delta R.T.: -0.003 min
Response: 4086537
Conc: 20.55 ug/ml

Instrument :
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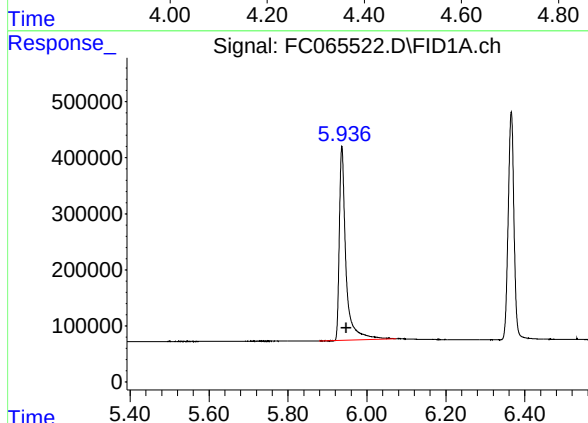
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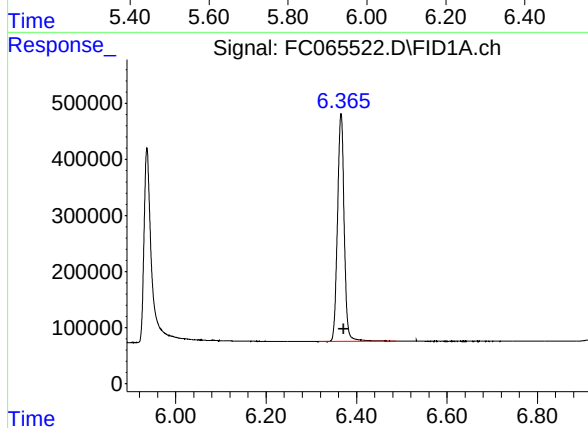
#2 n-Decane (C10)

R.T.: 4.356 min
Delta R.T.: -0.004 min
Response: 4125554
Conc: 20.58 ug/ml



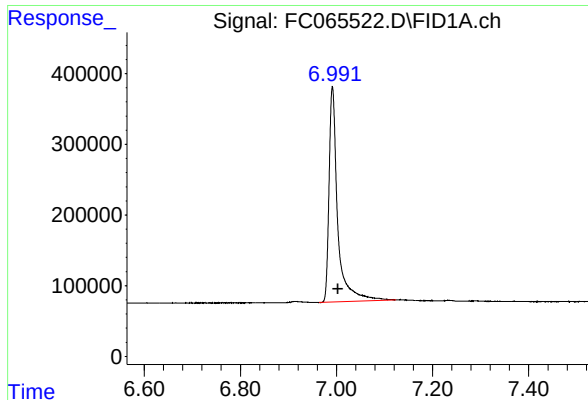
#3 A~Naphthalene (C11.7)

R.T.: 5.937 min
Delta R.T.: -0.011 min
Response: 4021126
Conc: 20.01 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.366 min
Delta R.T.: -0.006 min
Response: 4171532
Conc: 20.41 ug/ml



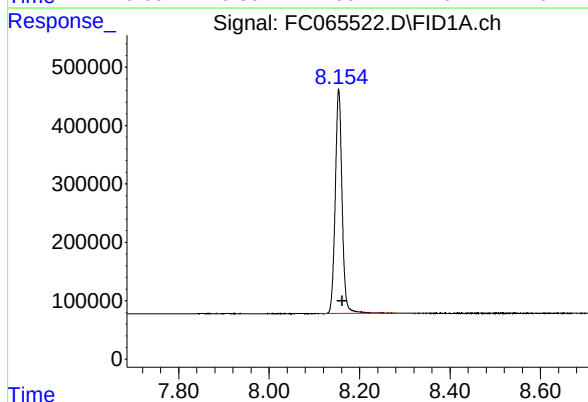
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.992 min
Delta R.T.: -0.011 min
Response: 3825376
Conc: 19.59 ug/ml

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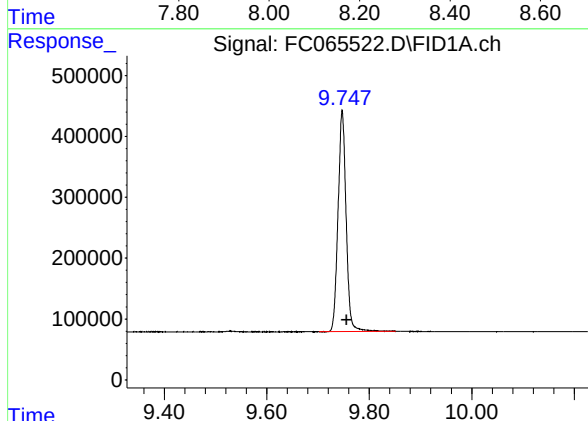
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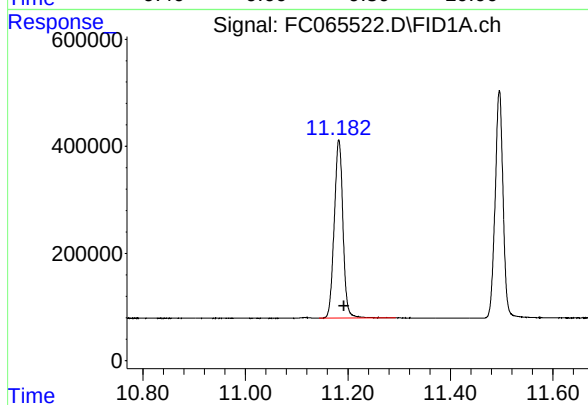
#6 n-Tetradecane (C14)

R.T.: 8.154 min
Delta R.T.: -0.008 min
Response: 4034111
Conc: 20.14 ug/ml



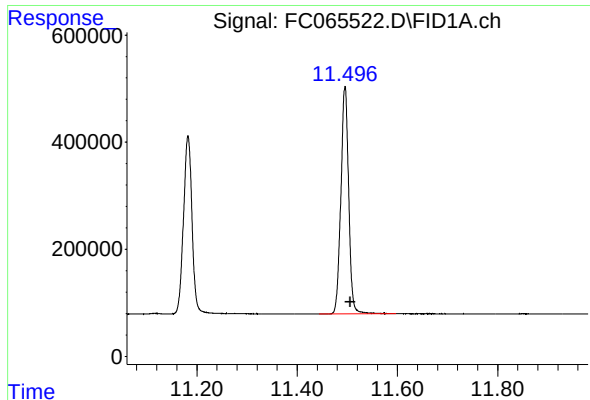
#7 n-Hexadecane (C16)

R.T.: 9.747 min
Delta R.T.: -0.008 min
Response: 3982330
Conc: 19.89 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.182 min
Delta R.T.: -0.010 min
Response: 3934173
Conc: 19.99 ug/ml



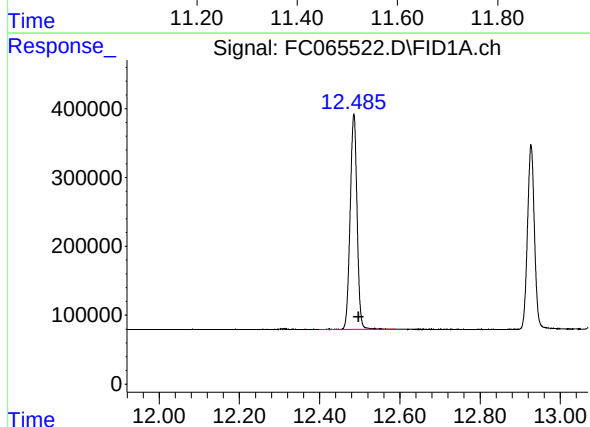
#9 ortho-Terphenyl (SURR)

R.T.: 11.496 min
Delta R.T.: -0.011 min
Response: 4577946
Conc: 20.00 ug/ml

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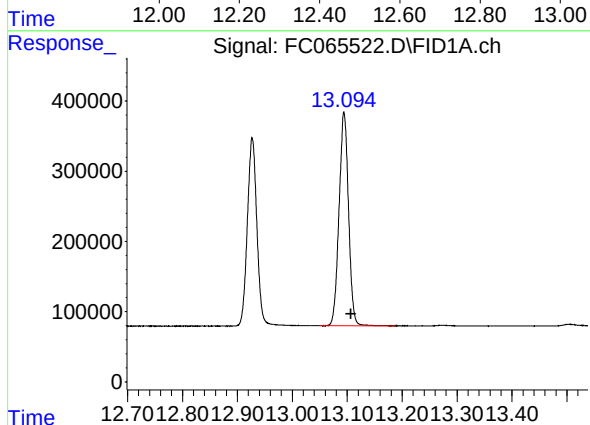
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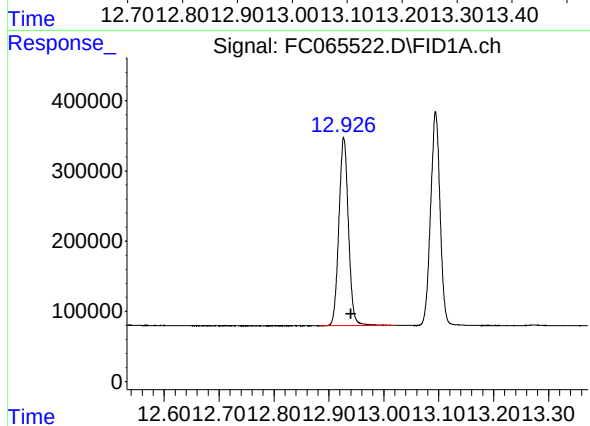
#10 n-Eicosane (C20)

R.T.: 12.486 min
Delta R.T.: -0.012 min
Response: 3732847
Conc: 19.91 ug/ml



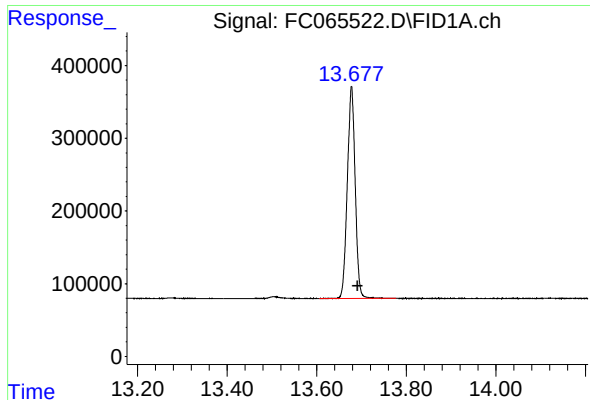
#11 n-Heneicosane (C21)

R.T.: 13.094 min
Delta R.T.: -0.013 min
Response: 3638022
Conc: 19.95 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.927 min
Delta R.T.: -0.013 min
Response: 3238618
Conc: 19.81 ug/ml



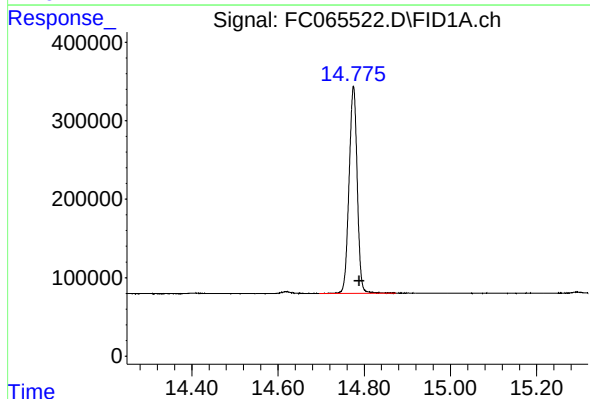
#13 n-Docosane (C22)

R.T.: 13.678 min
Delta R.T.: -0.013 min
Response: 3563218
Conc: 19.75 ug/ml

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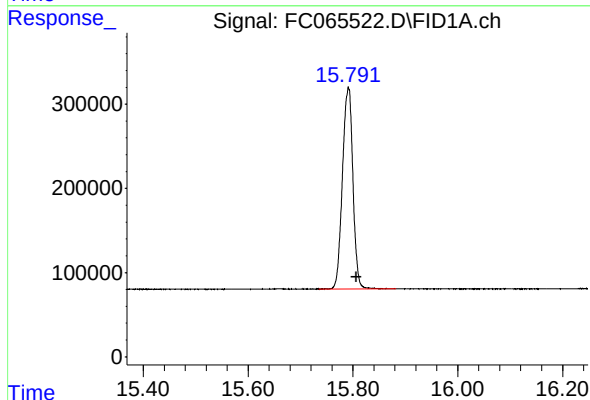
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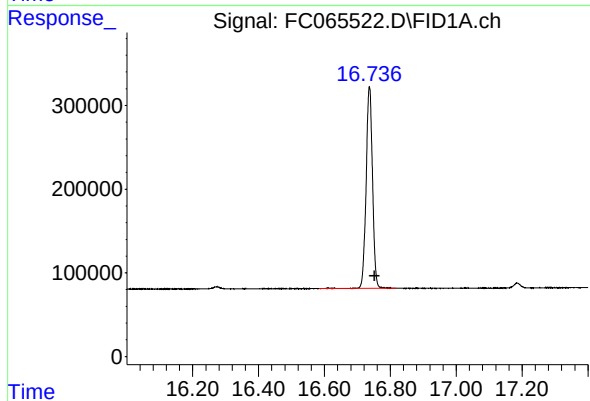
#14 n-Tetracosane (C24)

R.T.: 14.775 min
Delta R.T.: -0.014 min
Response: 3462548
Conc: 19.22 ug/ml



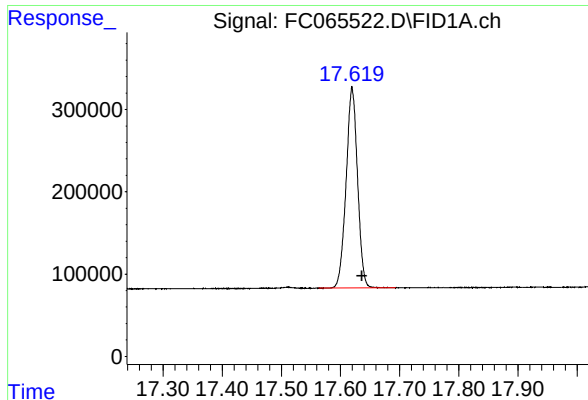
#15 n-Hexacosane (C26)

R.T.: 15.792 min
Delta R.T.: -0.015 min
Response: 3317186
Conc: 19.15 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.737 min
Delta R.T.: -0.016 min
Response: 3235259
Conc: 18.86 ug/ml



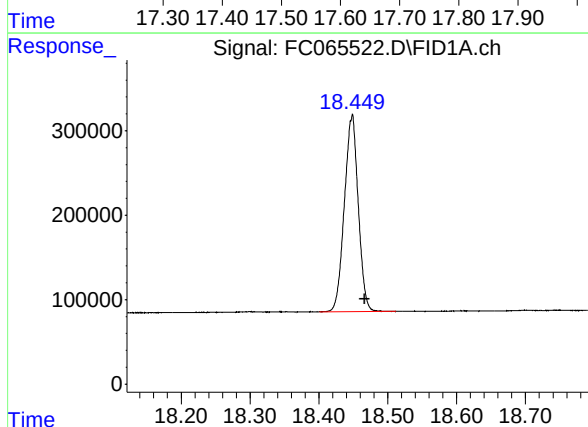
#17 n-Tricontane (C30)

R.T.: 17.620 min
Delta R.T.: -0.017 min
Response: 3275681
Conc: 18.70 ug/ml

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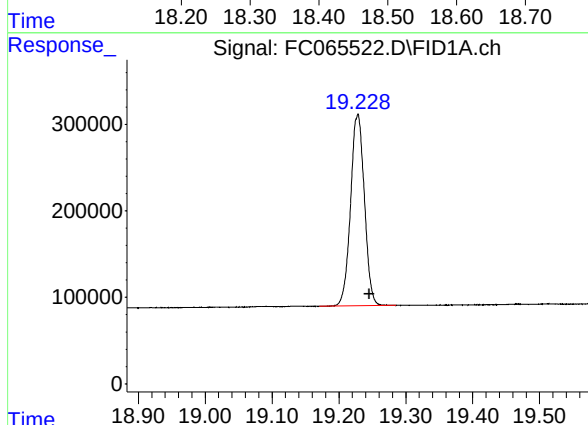
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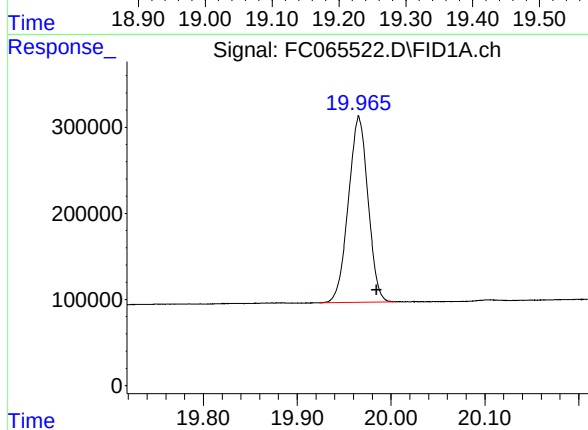
#18 n-Dotriacontane (C32)

R.T.: 18.448 min
Delta R.T.: -0.018 min
Response: 3262749
Conc: 18.71 ug/ml



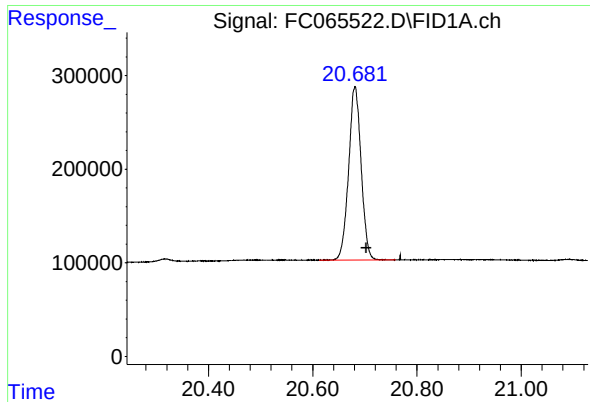
#19 n-Tetratriacontane (C34)

R.T.: 19.228 min
Delta R.T.: -0.017 min
Response: 3183641
Conc: 19.24 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.965 min
Delta R.T.: -0.020 min
Response: 3138217
Conc: 19.44 ug/ml m



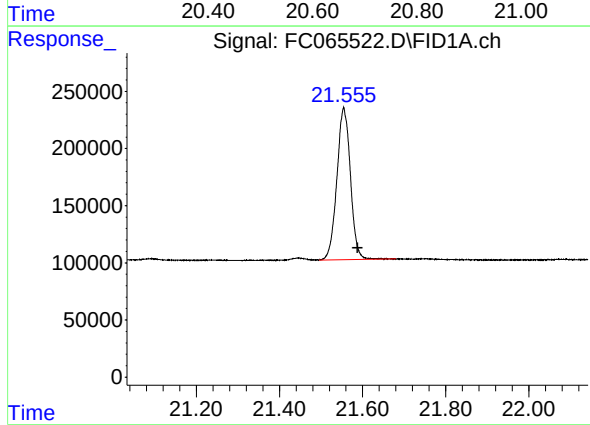
#21 n-Octatriacontane (C38)

R.T.: 20.681 min
Delta R.T.: -0.022 min
Response: 3084688
Conc: 19.45 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.555 min
Delta R.T.: -0.033 min
Response: 3009113
Conc: 18.89 ug/ml