

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051024AL\
 Data File : FC066401.D
 Signal(s) : FID1A.ch
 Acq On : 11 May 2024 18:17
 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 05/13/2024
 Supervised By :Ankita Jodhani 05/13/2024

Integration File: autoint1.e
 Quant Time: May 13 01:41:57 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050124.M
 Quant Title : GC Extractables
 QLast Update : Thu May 02 09:03:15 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)	11.558	2790696	16.879 ug/ml
Spiked Amount 50.000		Recovery =	33.76%
12) S 1-chlorooctadecane (S...	12.997	2091388	17.050 ug/ml
Spiked Amount 50.000		Recovery =	34.10%
Target Compounds			
1) T n-Nonane (C9)	3.314	2471068	16.361 ug/ml
2) T n-Decane (C10)	4.383	2543779	16.541 ug/ml
3) T A~Naphthalene (C11.7)	5.966	2809468	16.536 ug/ml
4) T n-Dodecane (C12)	6.404	2561705	16.669 ug/ml
5) T A~2-methylnaphthalene...	7.022	2725594	16.538 ug/ml
6) T n-Tetradecane (C14)	8.200	2527574	16.701 ug/ml
7) T n-Hexadecane (C16)	9.802	2592327	16.954 ug/ml
8) T n-Octadecane (C18)	11.245	2595222	17.097 ug/ml
10) T n-Eicosane (C20)	12.554	2478954	17.232 ug/ml
11) T n-Heneicosane (C21)	13.166	2425515	17.255 ug/ml
13) T n-Docosane (C22)	13.753	2412647	17.232 ug/ml
14) T n-Tetracosane (C24)	14.856	2406546	17.094 ug/ml
15) T n-Hexacosane (C26)	15.877	2357183	17.233 ug/ml
16) T n-Octacosane (C28)	16.829	2334068	17.429 ug/ml
17) T n-Tricontane (C30)	17.716	2419430	17.953 ug/ml
18) T n-Dotriacontane (C32)	18.550	2416390	18.767 ug/ml
19) T n-Tetratriacontane (C34)	19.334	2352537	19.884 ug/ml
20) T n-Hexatriacontane (C36)	20.075	2396838	20.852 ug/mlm
21) T n-Octatriacontane (C38)	20.811	2570384	23.880 ug/ml
22) T n-Tetracontane (C40)	21.721	2643338	24.650 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Misc :
ALS Vial : 2 Sample Multiplier: 1

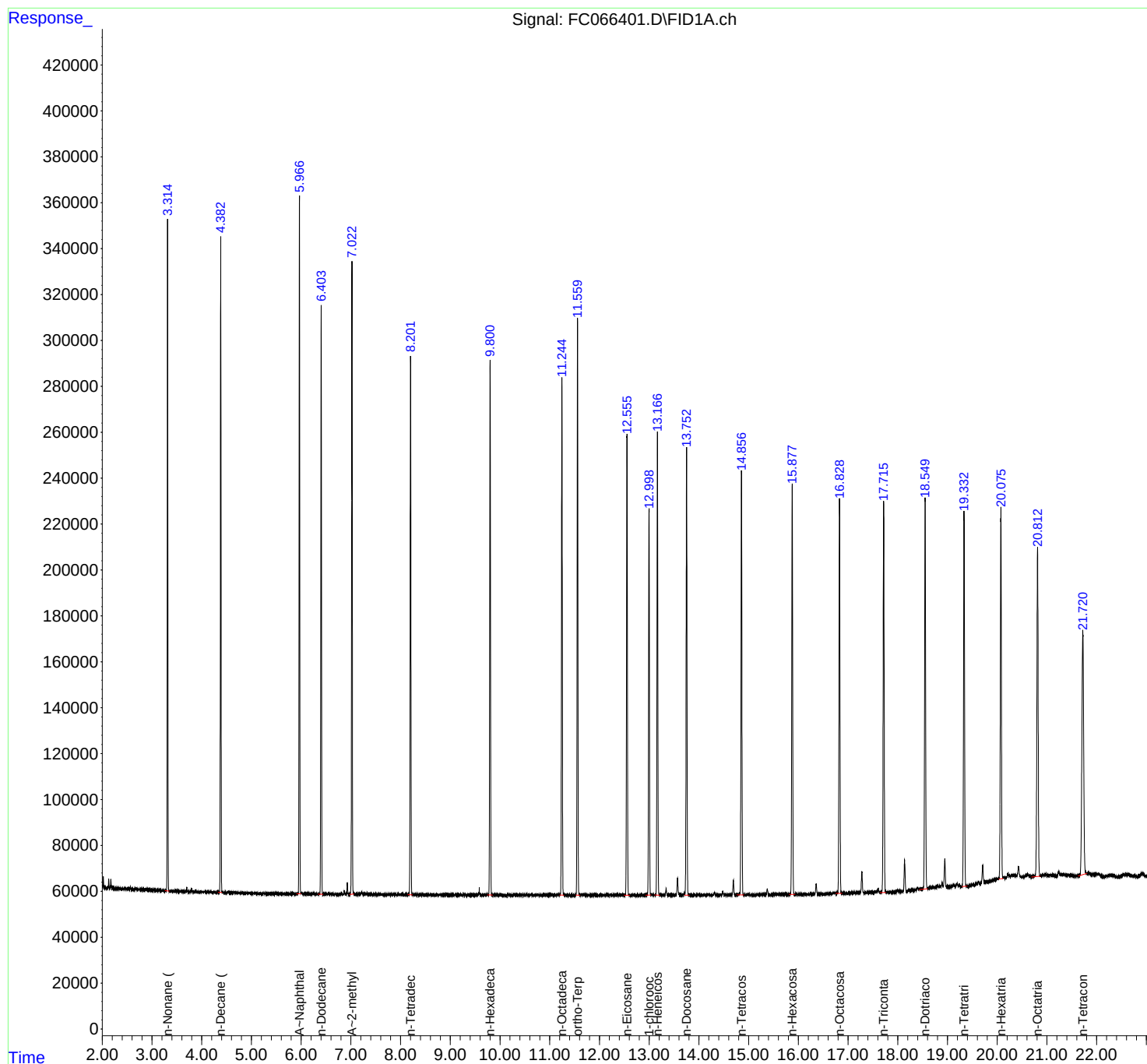
Instrument :
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20 PPM ALIPHATIC HC STD

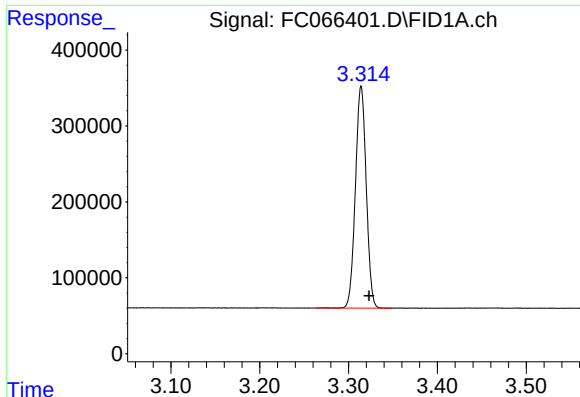
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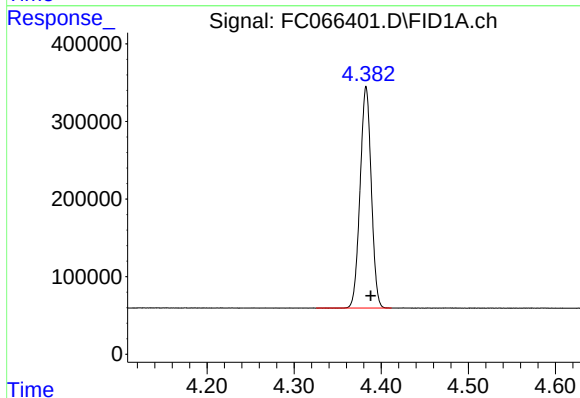
#1 n-Nonane (C9)

R.T.: 3.314 min
Delta R.T.: -0.009 min
Response: 2471068
Conc: 16.36 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

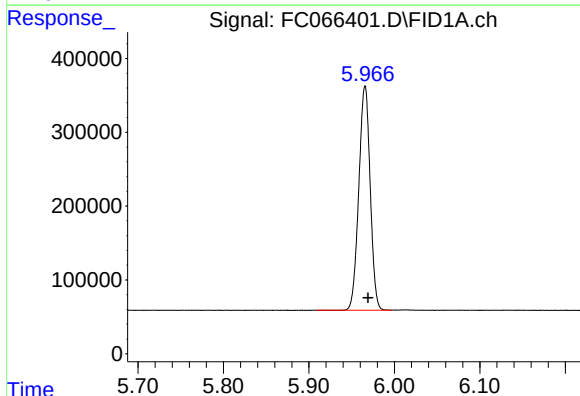
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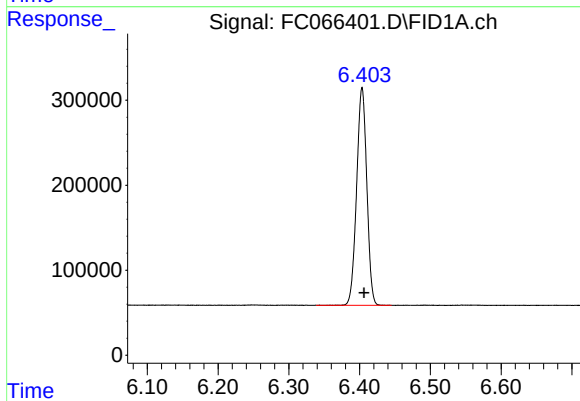
#2 n-Decane (C10)

R.T.: 4.383 min
Delta R.T.: -0.005 min
Response: 2543779
Conc: 16.54 ug/ml



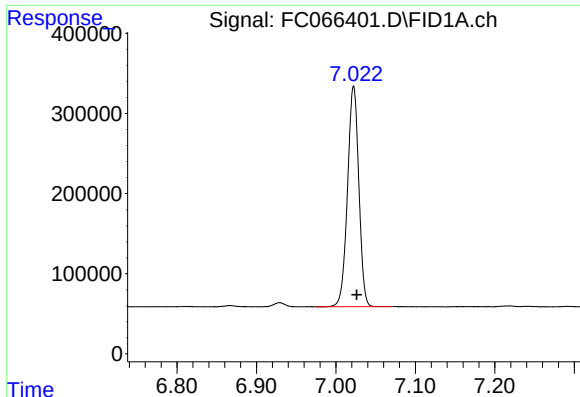
#3 A~Naphthalene (C11.7)

R.T.: 5.966 min
Delta R.T.: -0.004 min
Response: 2809468
Conc: 16.54 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.404 min
Delta R.T.: -0.003 min
Response: 2561705
Conc: 16.67 ug/ml



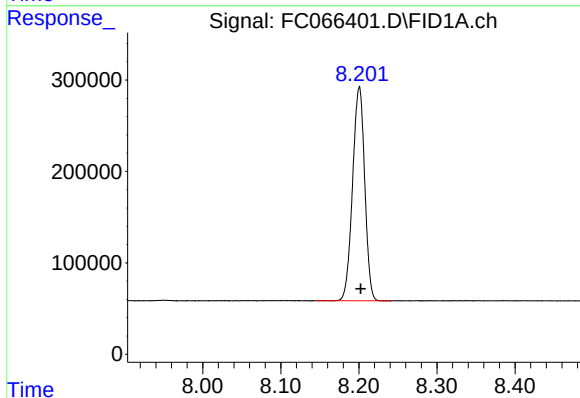
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.022 min
Delta R.T.: -0.004 min
Response: 2725594
Conc: 16.54 ug/ml

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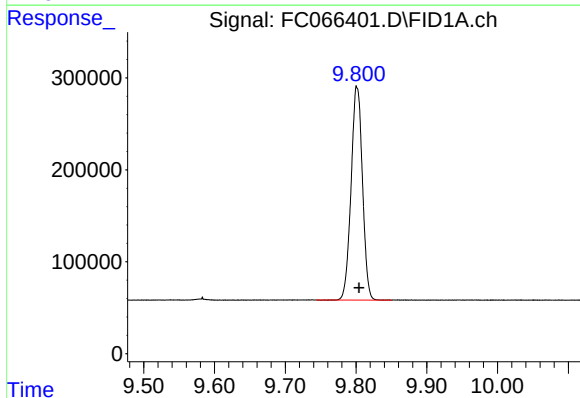
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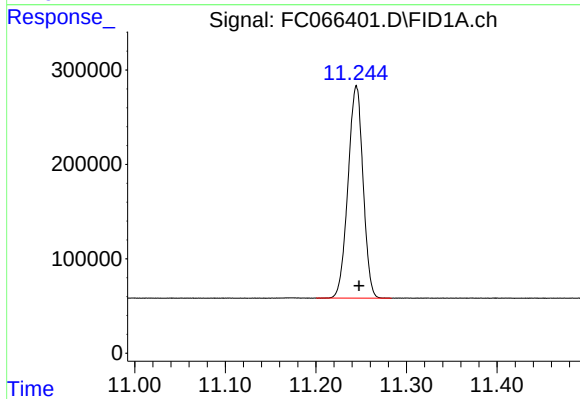
#6 n-Tetradecane (C14)

R.T.: 8.200 min
Delta R.T.: -0.002 min
Response: 2527574
Conc: 16.70 ug/ml



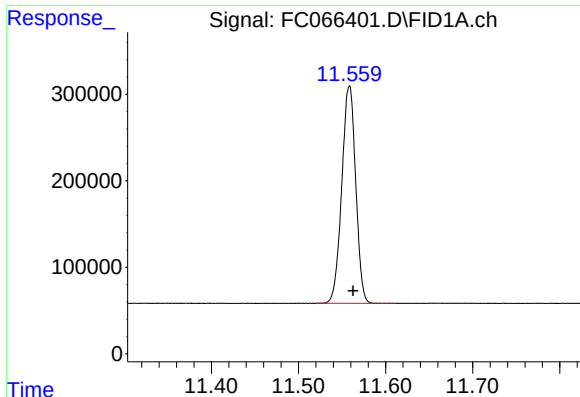
#7 n-Hexadecane (C16)

R.T.: 9.802 min
Delta R.T.: -0.003 min
Response: 2592327
Conc: 16.95 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.245 min
Delta R.T.: -0.003 min
Response: 2595222
Conc: 17.10 ug/ml



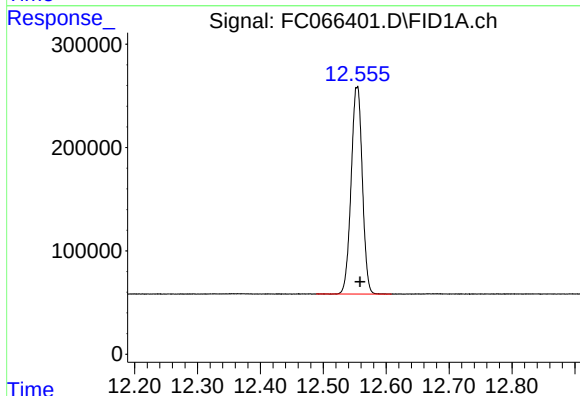
#9 ortho-Terphenyl (SURR)

R.T.: 11.558 min
Delta R.T.: -0.004 min
Response: 2790696
Conc: 16.88 ug/ml

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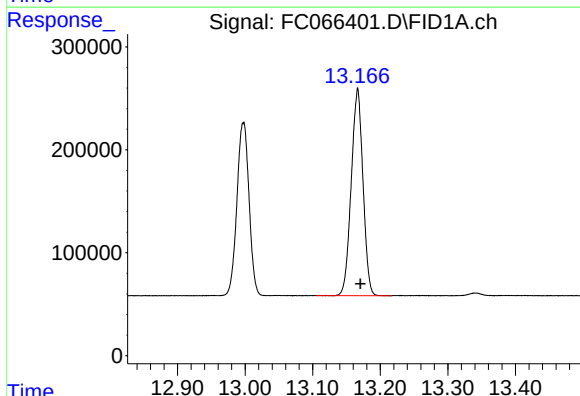
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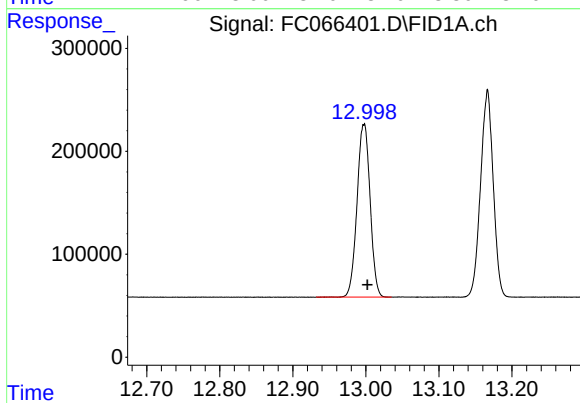
#10 n-Eicosane (C20)

R.T.: 12.554 min
Delta R.T.: -0.005 min
Response: 2478954
Conc: 17.23 ug/ml



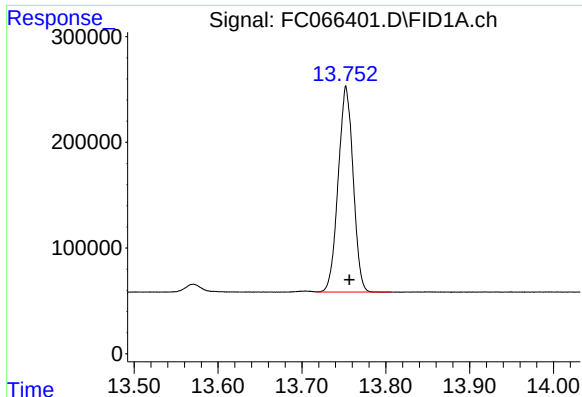
#11 n-Heneicosane (C21)

R.T.: 13.166 min
Delta R.T.: -0.004 min
Response: 2425515
Conc: 17.26 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.997 min
Delta R.T.: -0.005 min
Response: 2091388
Conc: 17.05 ug/ml



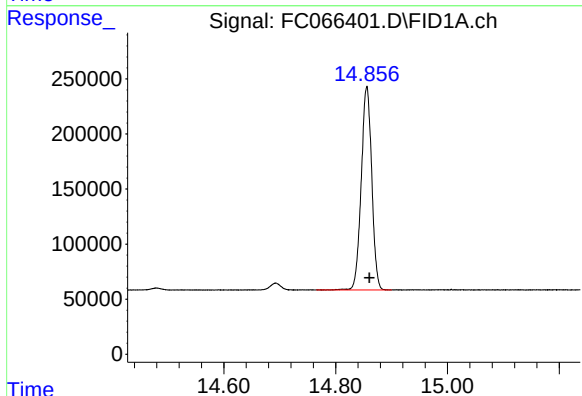
#13 n-Docosane (C22)

R.T.: 13.753 min
Delta R.T.: -0.004 min
Response: 2412647
Conc: 17.23 ug/ml

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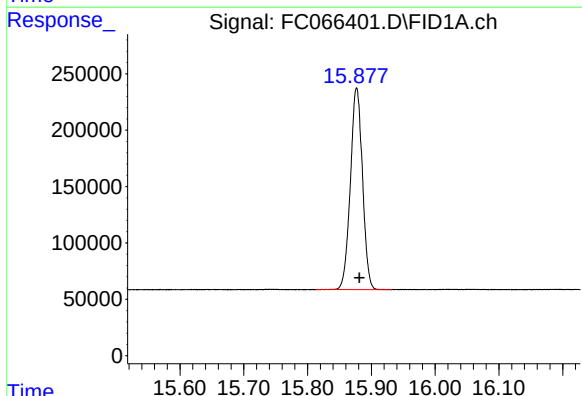
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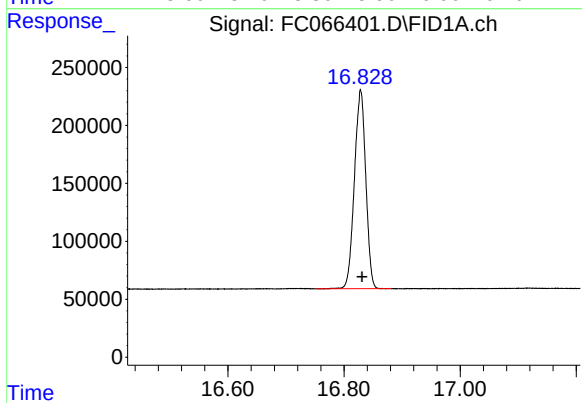
#14 n-Tetracosane (C24)

R.T.: 14.856 min
Delta R.T.: -0.005 min
Response: 2406546
Conc: 17.09 ug/ml



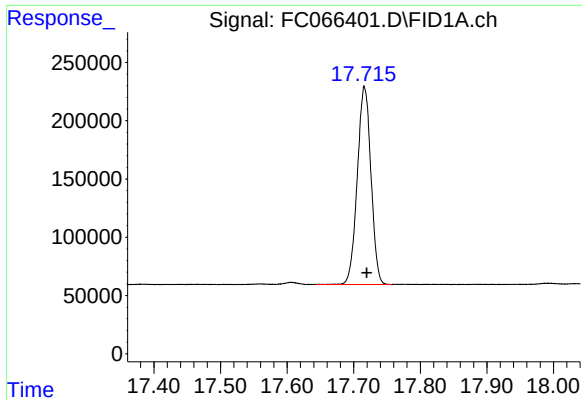
#15 n-Hexacosane (C26)

R.T.: 15.877 min
Delta R.T.: -0.004 min
Response: 2357183
Conc: 17.23 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.829 min
Delta R.T.: -0.003 min
Response: 2334068
Conc: 17.43 ug/ml



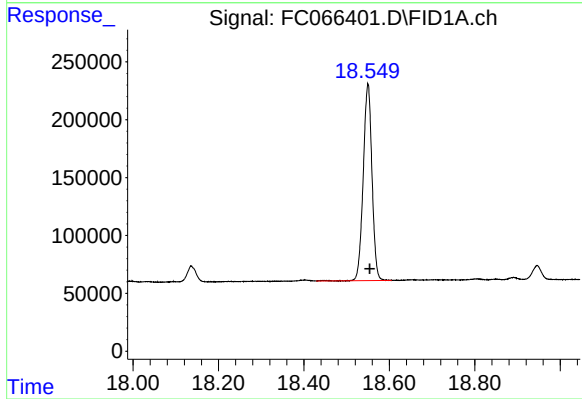
#17 n-Tricontane (C30)

R.T.: 17.716 min
Delta R.T.: -0.003 min
Response: 2419430
Conc: 17.95 ug/ml

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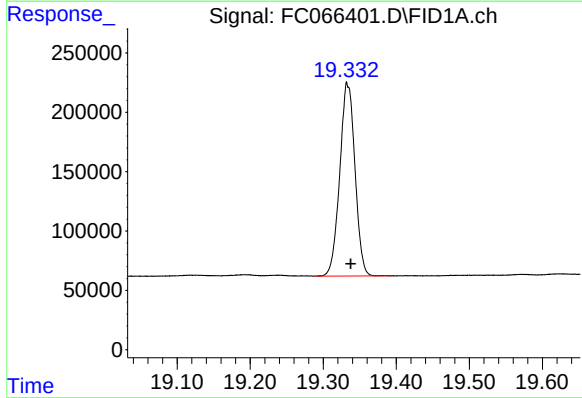
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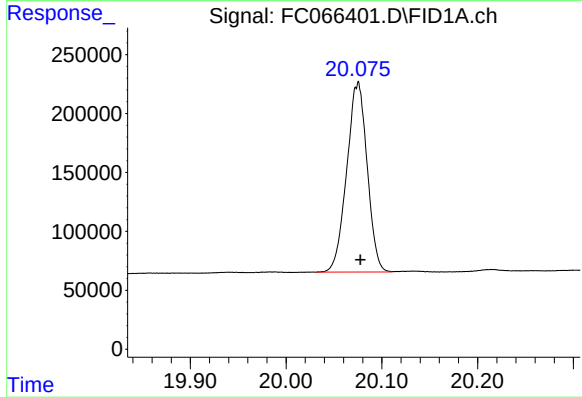
#18 n-Dotriacontane (C32)

R.T.: 18.550 min
Delta R.T.: -0.004 min
Response: 2416390
Conc: 18.77 ug/ml



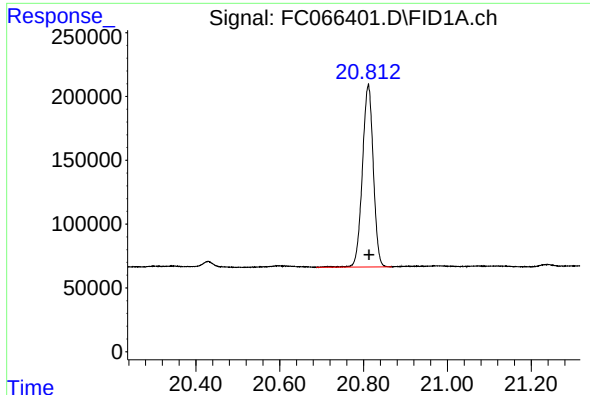
#19 n-Tetratriacontane (C34)

R.T.: 19.334 min
Delta R.T.: -0.004 min
Response: 2352537
Conc: 19.88 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.075 min
Delta R.T.: -0.002 min
Response: 2396838
Conc: 20.85 ug/ml m



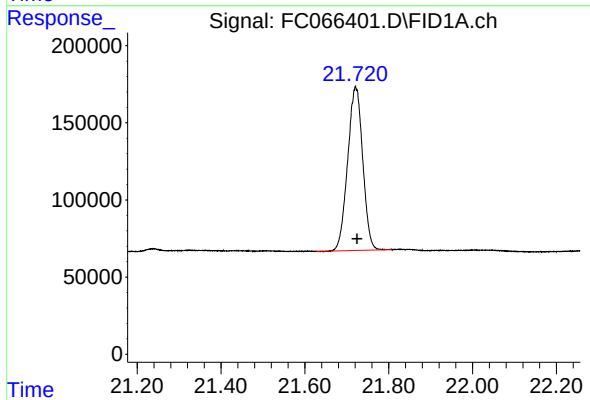
#21 n-Octatriacontane (C38)

R.T.: 20.811 min
Delta R.T.: -0.002 min
Response: 2570384
Conc: 23.88 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.721 min
Delta R.T.: -0.004 min
Response: 2643338
Conc: 24.65 ug/ml