

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F110323AL\
 Data File : FC064991.D
 Signal(s) : FID1A.ch
 Acq On : 03 Nov 2023 11:18
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/06/2023
 Supervised By :mohammad ahmed 11/06/2023

Integration File: autoint1.e
 Quant Time: Nov 04 00:25:49 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102823.M
 Quant Title : GC Extractables
 QLast Update : Sat Oct 28 02:12:00 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)	11.508	4402697	20.005 ug/ml
Spiked Amount 50.000		Recovery =	40.01%
12) S 1-chlorooctadecane (S...	12.940	3133549	19.822 ug/ml
Spiked Amount 50.000		Recovery =	39.64%
Target Compounds			
1) T n-Nonane (C9)	3.307	3809596	20.150 ug/ml
2) T n-Decane (C10)	4.368	3834798	20.168 ug/ml
3) T A~Naphthalene (C11.7)	5.949	3885825	20.126 ug/ml
4) T n-Dodecane (C12)	6.379	3866680	20.017 ug/ml
5) T A~2-methylnaphthalene...	7.003	3752864	20.422 ug/ml
6) T n-Tetradecane (C14)	8.166	3773410	19.998 ug/ml
7) T n-Hexadecane (C16)	9.760	3786833	20.034 ug/ml
8) T n-Octadecane (C18)	11.196	3797009	20.119 ug/ml
10) T n-Eicosane (C20)	12.498	3611401	20.088 ug/ml
11) T n-Heneicosane (C21)	13.107	3521163	20.056 ug/ml
13) T n-Docosane (C22)	13.690	3421775	19.920 ug/ml
14) T n-Tetracosane (C24)	14.788	3278875	19.686 ug/ml
15) T n-Hexacosane (C26)	15.804	3137887	19.550 ug/ml
16) T n-Octacosane (C28)	16.749	3044528	19.454 ug/ml
17) T n-Tricontane (C30)	17.633	3060008	19.319 ug/ml
18) T n-Dotriacontane (C32)	18.462	3044941	19.285 ug/ml
19) T n-Tetratriacontane (C34)	19.241	2955609	19.363 ug/ml
20) T n-Hexatriacontane (C36)	19.977	2907685	19.271 ug/mlm
21) T n-Octatriacontane (C38)	20.697	2852297	19.167 ug/ml
22) T n-Tetracontane (C40)	21.573	2780048	18.902 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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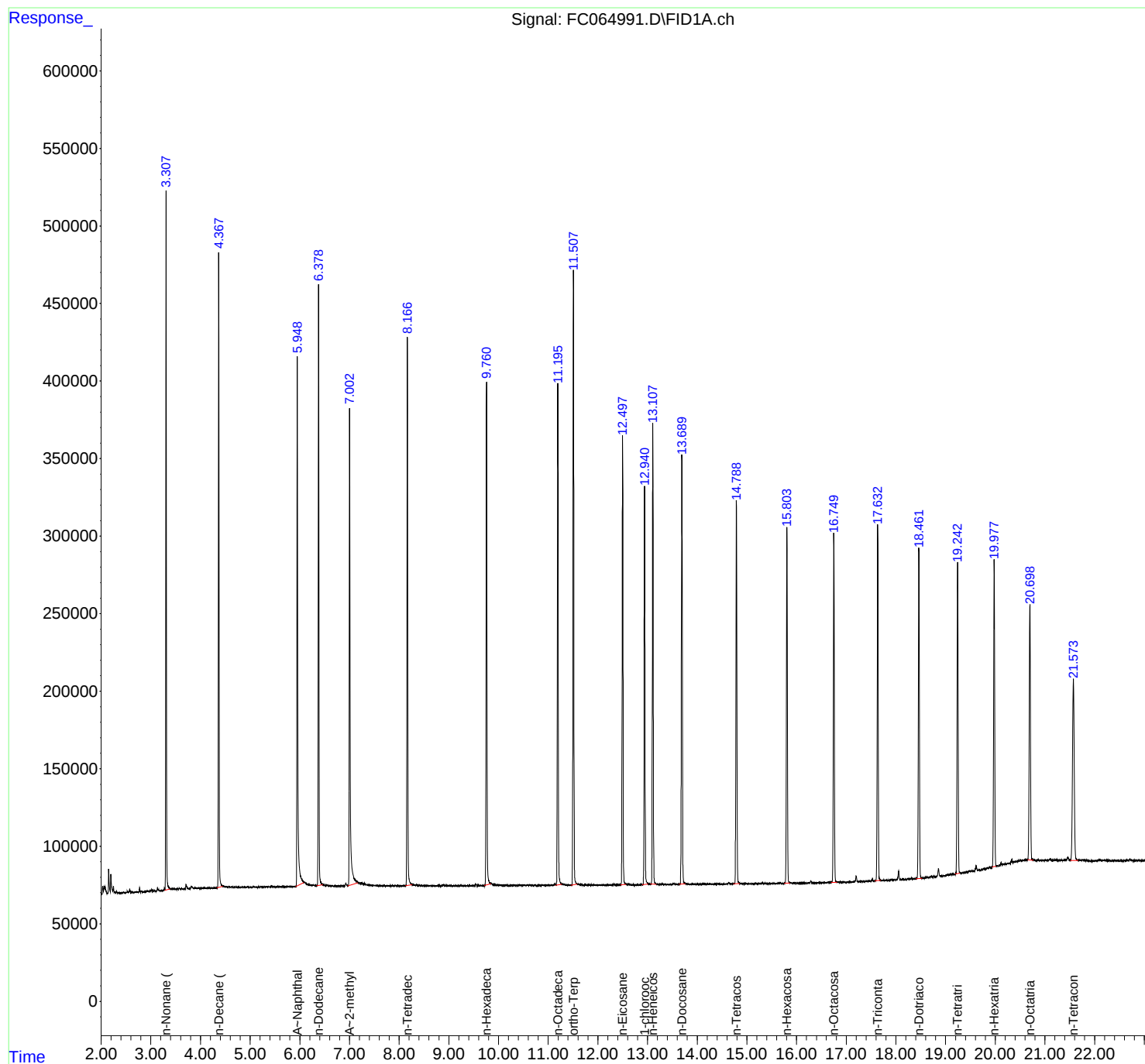
Instrument :
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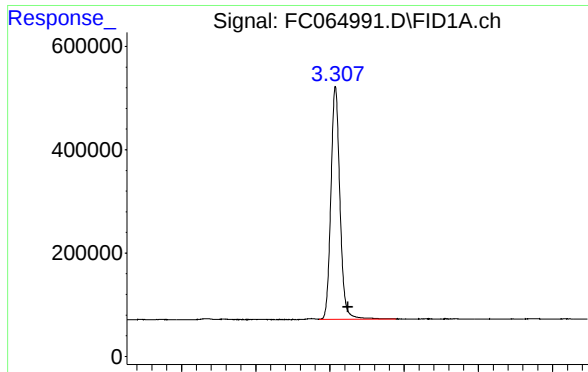
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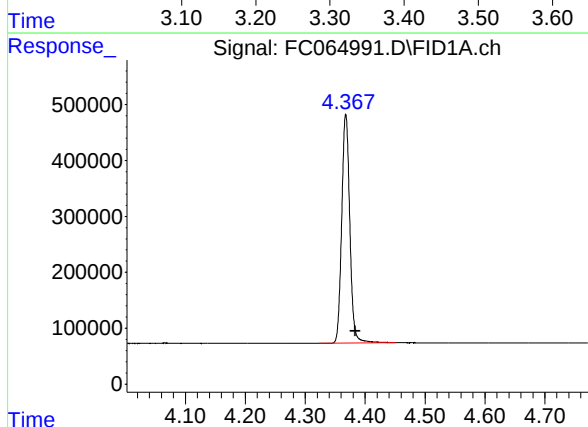
#1 n-Nonane (C9)

R.T.: 3.307 min
Delta R.T.: -0.017 min
Response: 3809596
Conc: 20.15 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

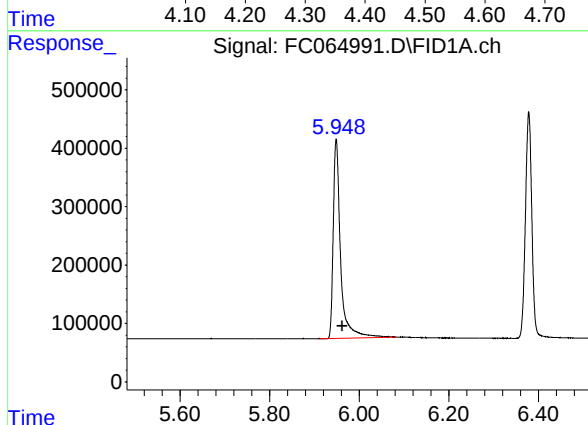
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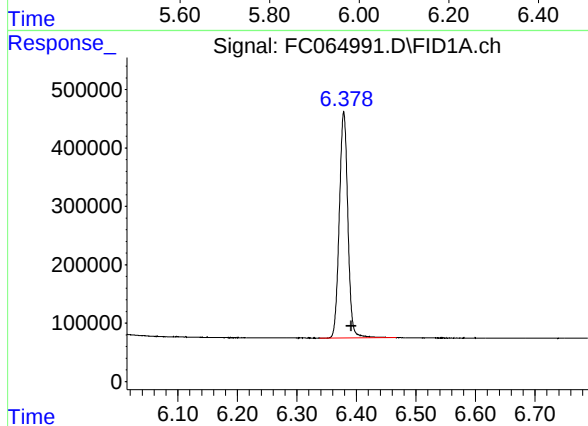
#2 n-Decane (C10)

R.T.: 4.368 min
Delta R.T.: -0.016 min
Response: 3834798
Conc: 20.17 ug/ml



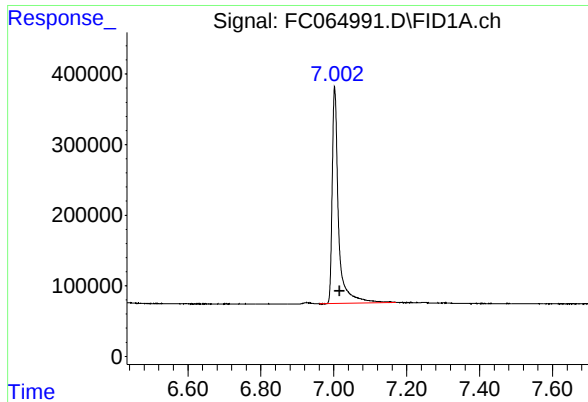
#3 A~Naphthalene (C11.7)

R.T.: 5.949 min
Delta R.T.: -0.014 min
Response: 3885825
Conc: 20.13 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.379 min
Delta R.T.: -0.013 min
Response: 3866680
Conc: 20.02 ug/ml



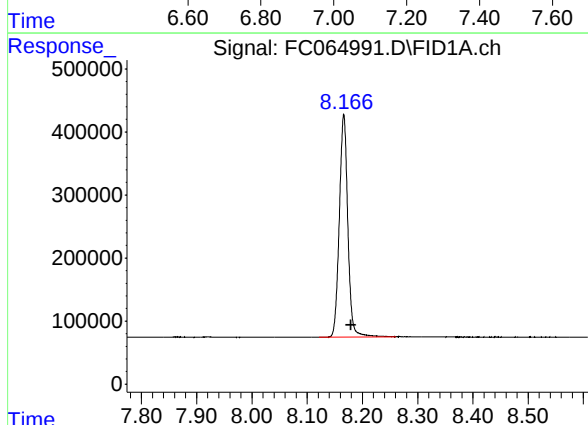
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.003 min
Delta R.T.: -0.013 min
Response: 3752864
Conc: 20.42 ug/ml

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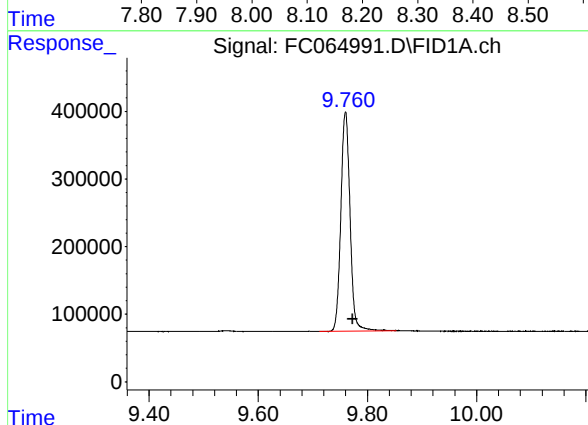
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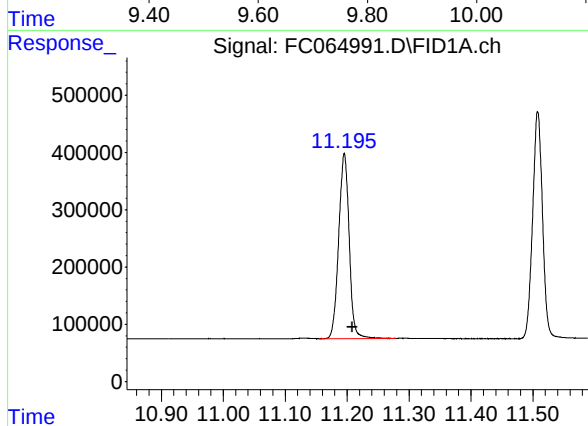
#6 n-Tetradecane (C14)

R.T.: 8.166 min
Delta R.T.: -0.013 min
Response: 3773410
Conc: 20.00 ug/ml



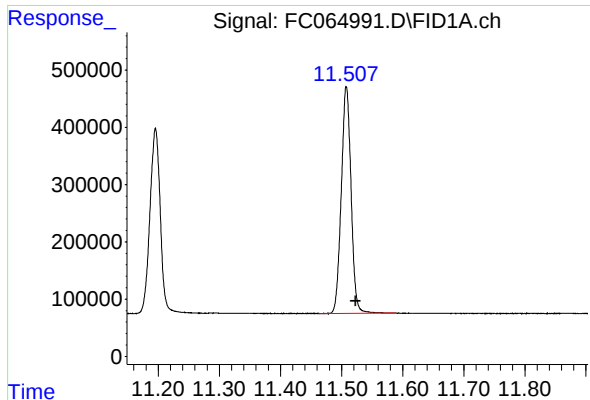
#7 n-Hexadecane (C16)

R.T.: 9.760 min
Delta R.T.: -0.013 min
Response: 3786833
Conc: 20.03 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.196 min
Delta R.T.: -0.013 min
Response: 3797009
Conc: 20.12 ug/ml



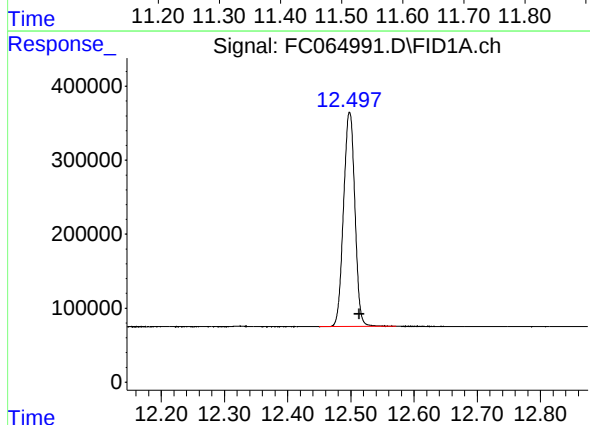
#9 ortho-Terphenyl (SURR)

R.T.: 11.508 min
Delta R.T.: -0.015 min
Response: 4402697
Conc: 20.00 ug/ml

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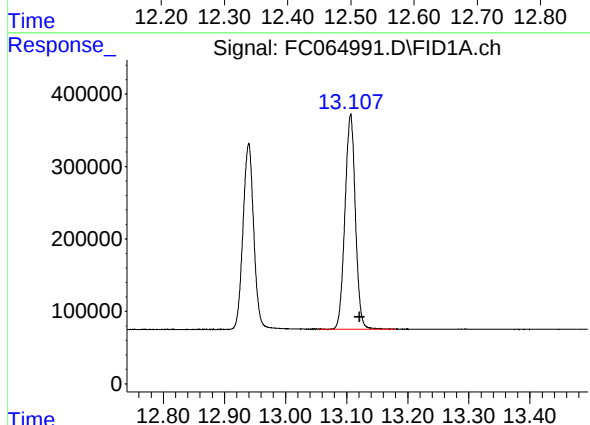
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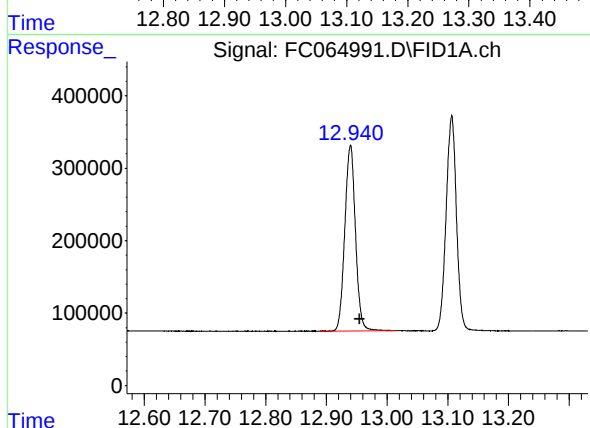
#10 n-Eicosane (C20)

R.T.: 12.498 min
Delta R.T.: -0.015 min
Response: 3611401
Conc: 20.09 ug/ml



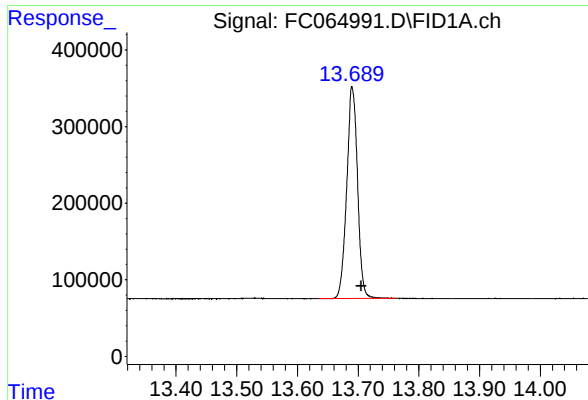
#11 n-Heneicosane (C21)

R.T.: 13.107 min
Delta R.T.: -0.015 min
Response: 3521163
Conc: 20.06 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.940 min
Delta R.T.: -0.015 min
Response: 3133549
Conc: 19.82 ug/ml



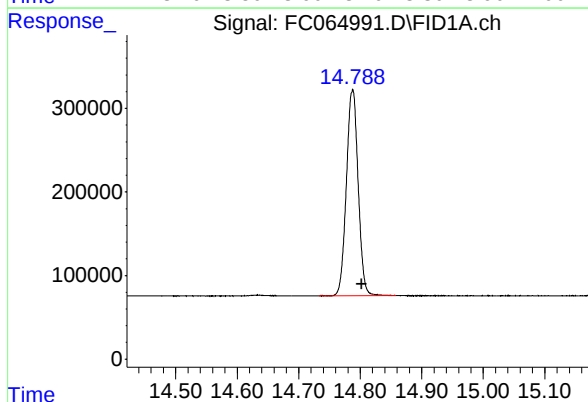
#13 n-Docosane (C22)

R.T.: 13.690 min
Delta R.T.: -0.015 min
Response: 3421775
Conc: 19.92 ug/ml

Instrument :
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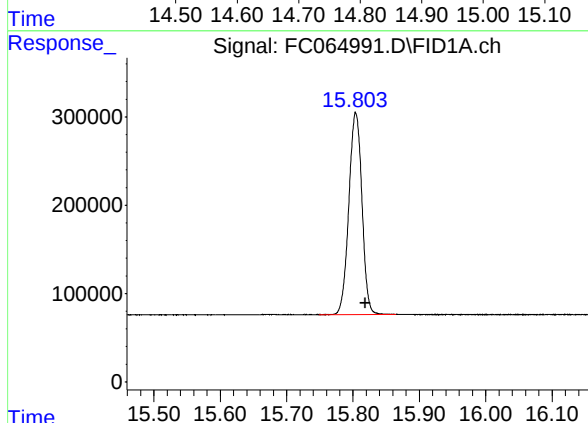
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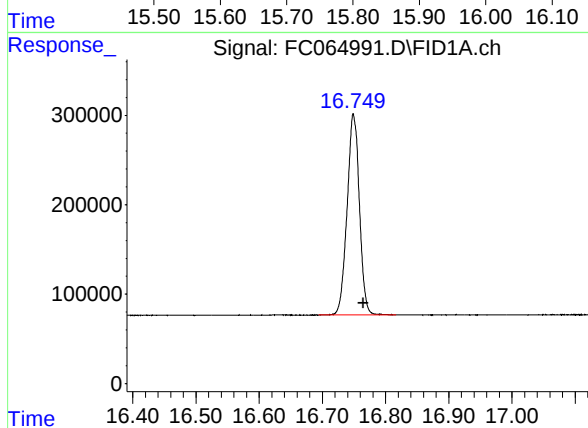
#14 n-Tetracosane (C24)

R.T.: 14.788 min
Delta R.T.: -0.015 min
Response: 3278875
Conc: 19.69 ug/ml



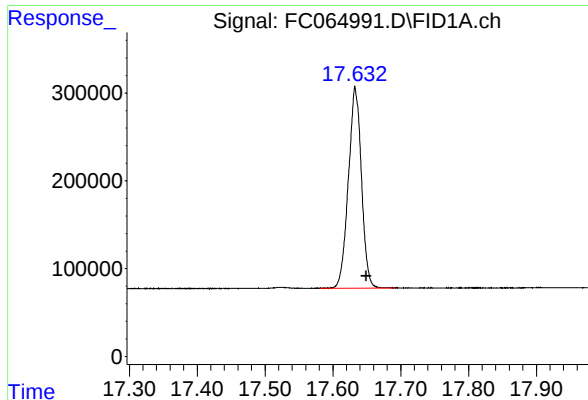
#15 n-Hexacosane (C26)

R.T.: 15.804 min
Delta R.T.: -0.014 min
Response: 3137887
Conc: 19.55 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.749 min
Delta R.T.: -0.016 min
Response: 3044528
Conc: 19.45 ug/ml



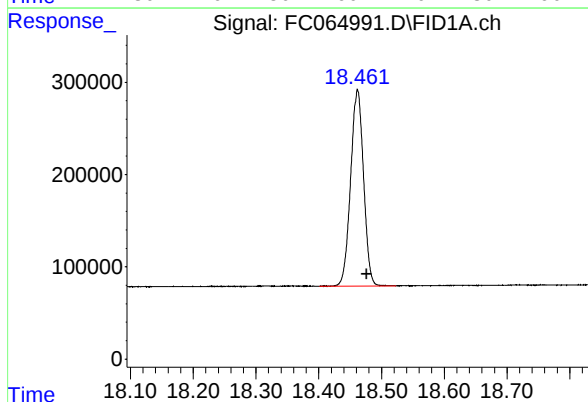
#17 n-Tricontane (C30)

R.T.: 17.633 min
Delta R.T.: -0.016 min
Response: 3060008
Conc: 19.32 ug/ml

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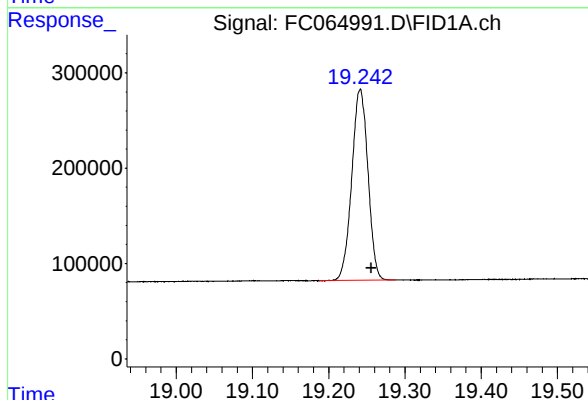
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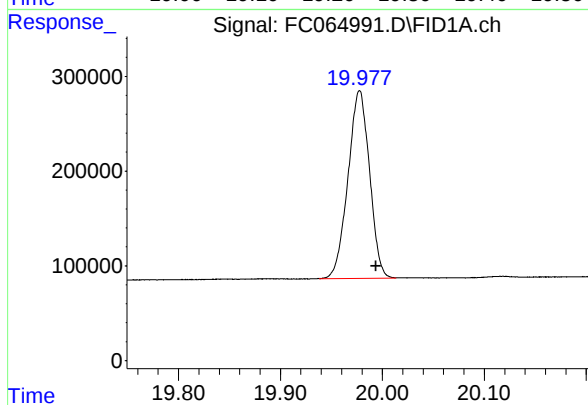
#18 n-Dotriacontane (C32)

R.T.: 18.462 min
Delta R.T.: -0.015 min
Response: 3044941
Conc: 19.28 ug/ml



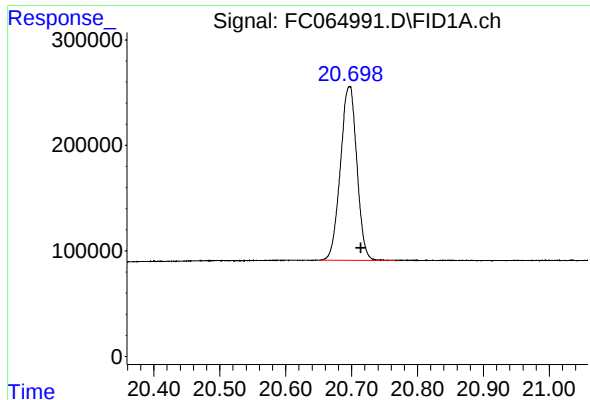
#19 n-Tetatriacontane (C34)

R.T.: 19.241 min
Delta R.T.: -0.014 min
Response: 2955609
Conc: 19.36 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.977 min
Delta R.T.: -0.016 min
Response: 2907685
Conc: 19.27 ug/ml m



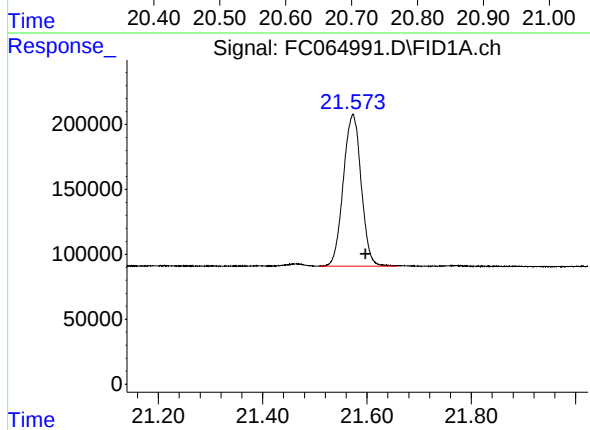
#21 n-Octatriacontane (C38)

R.T.: 20.697 min
Delta R.T.: -0.017 min
Response: 2852297
Conc: 19.17 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.573 min
Delta R.T.: -0.025 min
Response: 2780048
Conc: 18.90 ug/ml m