

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
 Data File : FC068415.D
 Signal(s) : FID1A.ch
 Acq On : 26 Mar 2025 20:24
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/27/2025
 Supervised By :mohammad ahmed 03/28/2025

Integration File: autoint1.e
 Quant Time: Mar 27 01:41:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 26 13:35:27 2025
 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)	11.385	4087411	20.578 ug/ml
Spiked Amount 50.000		Recovery =	41.16%
12) S 1-chlorooctadecane (S...	12.826	3076360	20.636 ug/ml
Spiked Amount 50.000		Recovery =	41.27%
Target Compounds			
1) T n-Nonane (C9)	3.198	3264585	20.411 ug/ml
2) T n-Decane (C10)	4.254	3314400	20.446 ug/ml
3) T A~Naphthalene (C11.7)	5.819	3631109	20.552 ug/ml
4) T n-Dodecane (C12)	6.261	3370500	20.439 ug/ml
5) T A~2-methylnaphthalene...	6.870	3510124	20.636 ug/ml
6) T n-Tetradecane (C14)	8.048	3388430	20.594 ug/ml
7) T n-Hexadecane (C16)	9.643	3547172	20.641 ug/ml
8) T n-Octadecane (C18)	11.081	3622672	20.639 ug/ml
10) T n-Eicosane (C20)	12.386	3517926	20.541 ug/ml
11) T n-Heneicosane (C21)	12.996	3454961	20.597 ug/ml
13) T n-Docosane (C22)	13.581	3454716	20.479 ug/ml
14) T n-Tetracosane (C24)	14.681	3429307	20.024 ug/ml
15) T n-Hexacosane (C26)	15.699	3351136	19.911 ug/ml
16) T n-Octacosane (C28)	16.647	3320200	19.856 ug/ml
17) T n-Tricontane (C30)	17.533	3491579	20.026 ug/ml
18) T n-Dotriacontane (C32)	18.364	3409748	20.368 ug/ml
19) T n-Tetratriacontane (C34)	19.146	3033993	20.570 ug/ml
20) T n-Hexatriacontane (C36)	19.885	2539370	20.750 ug/ml
21) T n-Octatriacontane (C38)	20.596	2241356	20.872 ug/ml
22) T n-Tetracontane (C40)	21.443	2008605	20.495 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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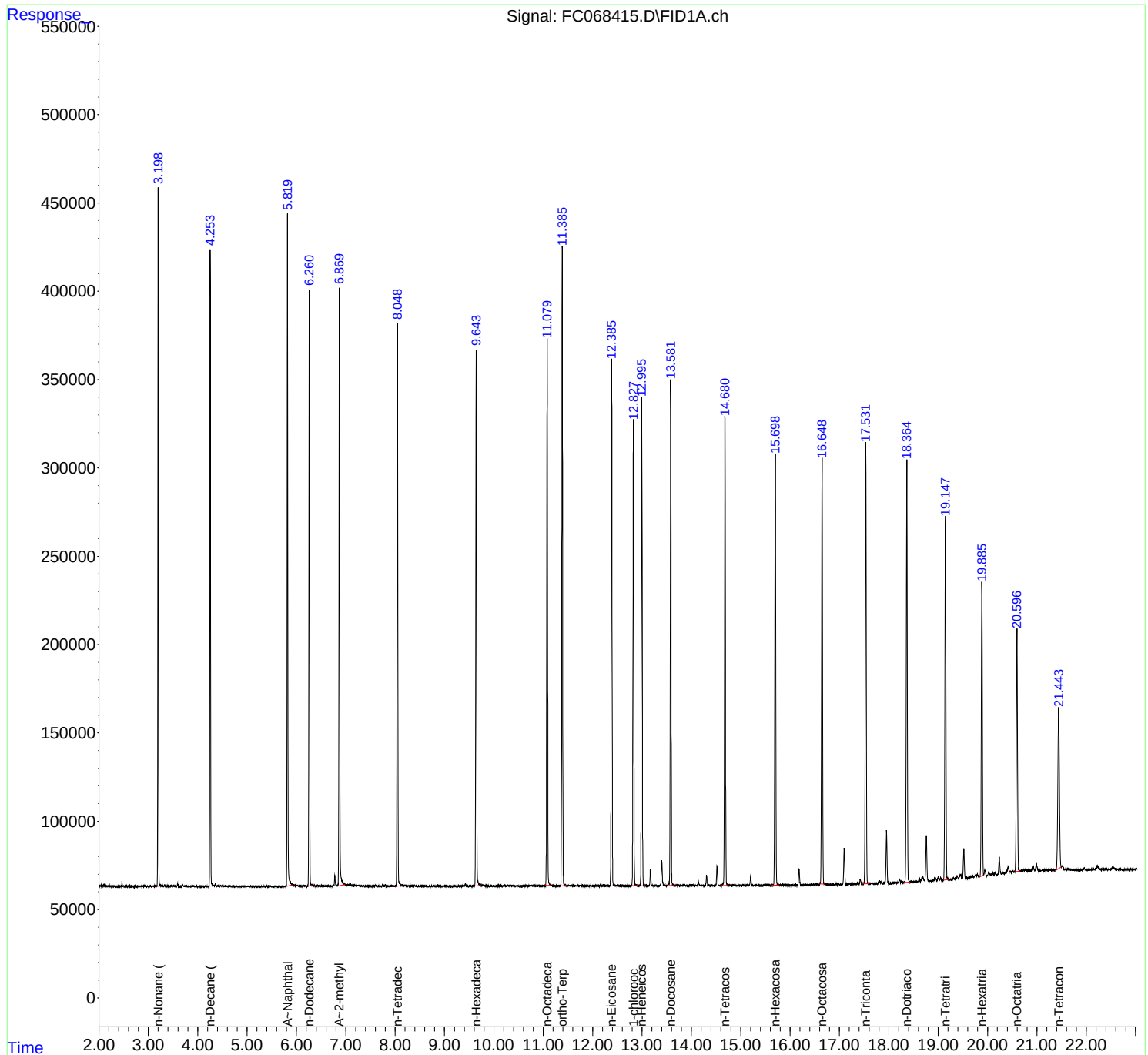
Instrument :
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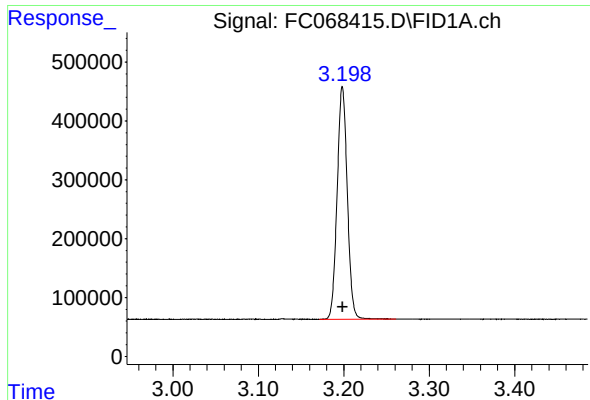
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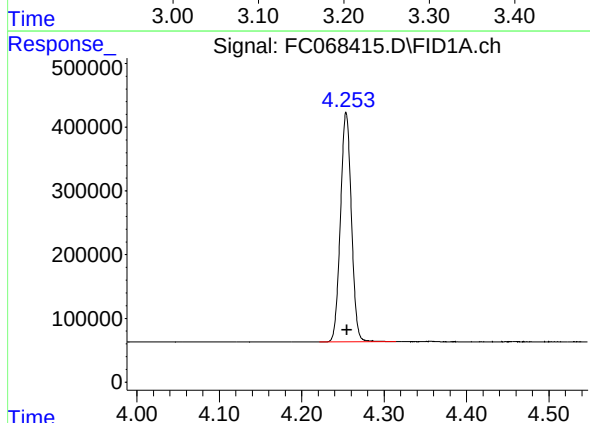
#1 n-Nonane (C9)

R.T.: 3.198 min
Delta R.T.: 0.000 min
Response: 3264585
Conc: 20.41 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

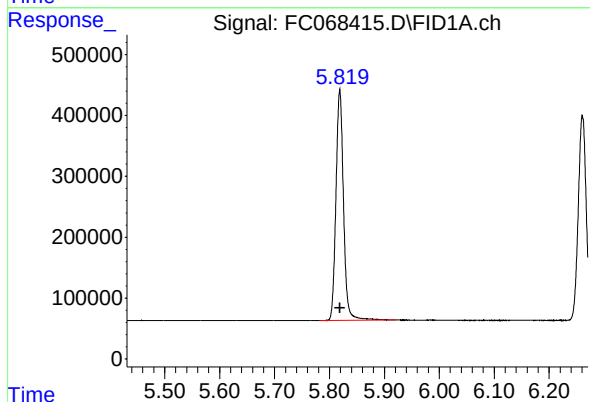
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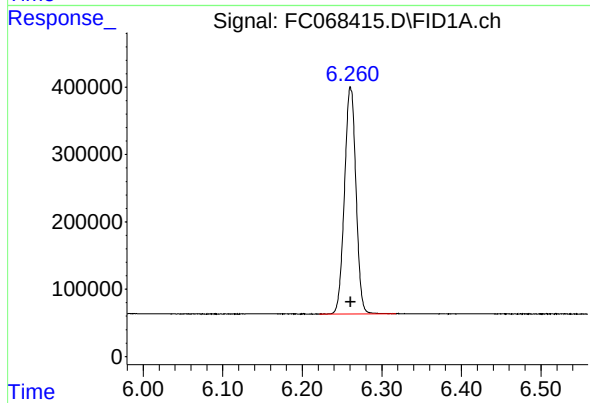
#2 n-Decane (C10)

R.T.: 4.254 min
Delta R.T.: 0.000 min
Response: 3314400
Conc: 20.45 ug/ml



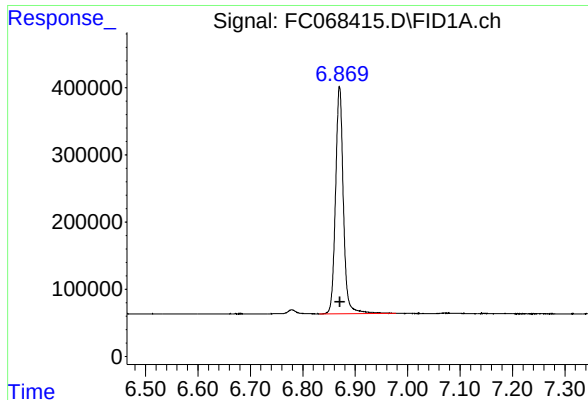
#3 A~Naphthalene (C11.7)

R.T.: 5.819 min
Delta R.T.: 0.000 min
Response: 3631109
Conc: 20.55 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.261 min
Delta R.T.: 0.000 min
Response: 3370500
Conc: 20.44 ug/ml



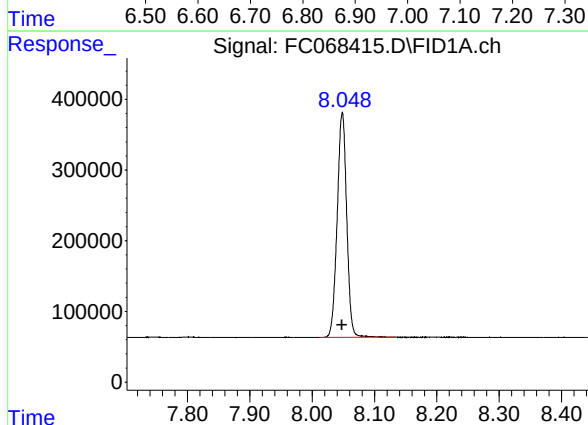
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.870 min
Delta R.T.: 0.000 min
Response: 3510124
Conc: 20.64 ug/ml

Instrument : FID_C
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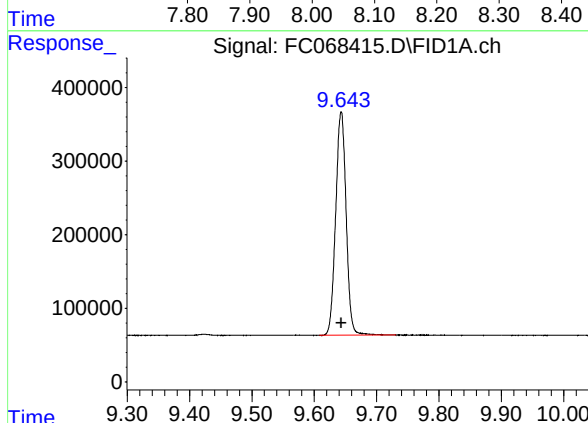
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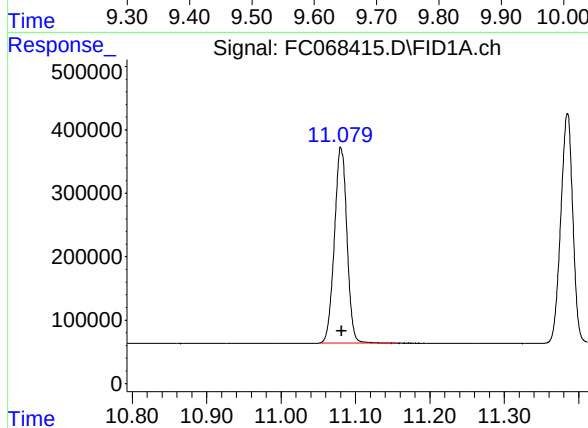
#6 n-Tetradecane (C14)

R.T.: 8.048 min
Delta R.T.: 0.000 min
Response: 3388430
Conc: 20.59 ug/ml



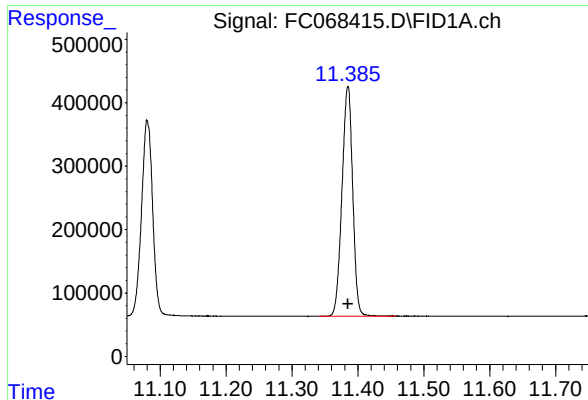
#7 n-Hexadecane (C16)

R.T.: 9.643 min
Delta R.T.: 0.000 min
Response: 3547172
Conc: 20.64 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.081 min
Delta R.T.: 0.000 min
Response: 3622672
Conc: 20.64 ug/ml



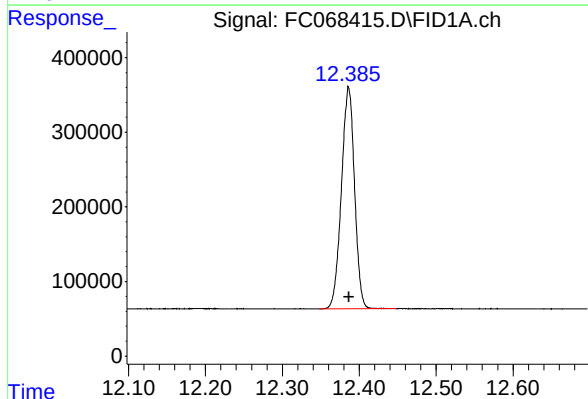
#9 ortho-Terphenyl (SURR)

R.T.: 11.385 min
Delta R.T.: 0.000 min
Response: 4087411
Conc: 20.58 ug/ml

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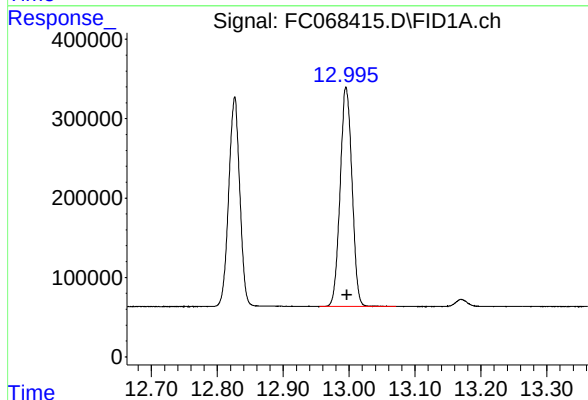
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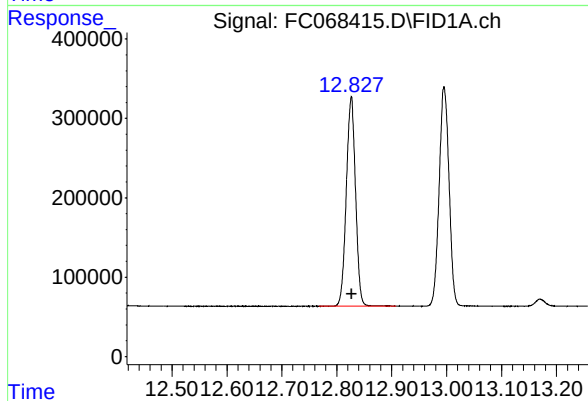
#10 n-Eicosane (C20)

R.T.: 12.386 min
Delta R.T.: 0.000 min
Response: 3517926
Conc: 20.54 ug/ml



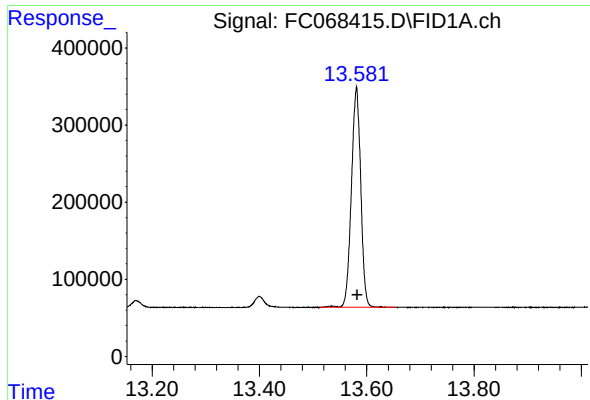
#11 n-Heneicosane (C21)

R.T.: 12.996 min
Delta R.T.: -0.001 min
Response: 3454961
Conc: 20.60 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.826 min
Delta R.T.: 0.000 min
Response: 3076360
Conc: 20.64 ug/ml



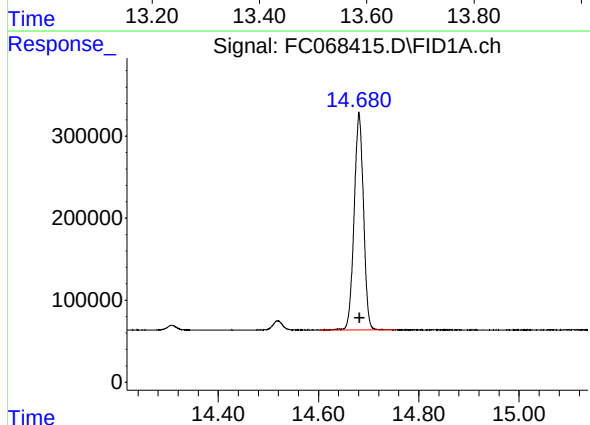
#13 n-Docosane (C22)

R.T.: 13.581 min
Delta R.T.: -0.001 min
Response: 3454716
Conc: 20.48 ug/ml

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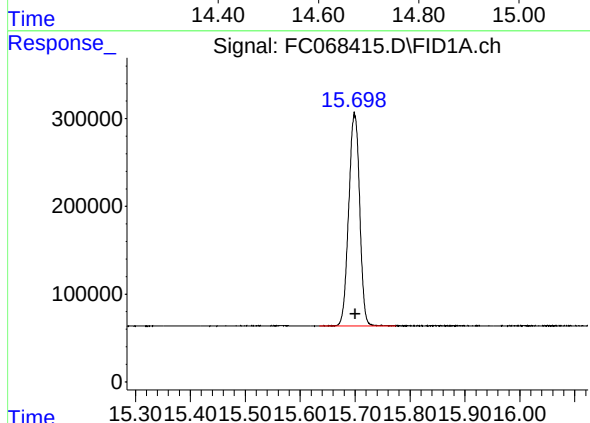
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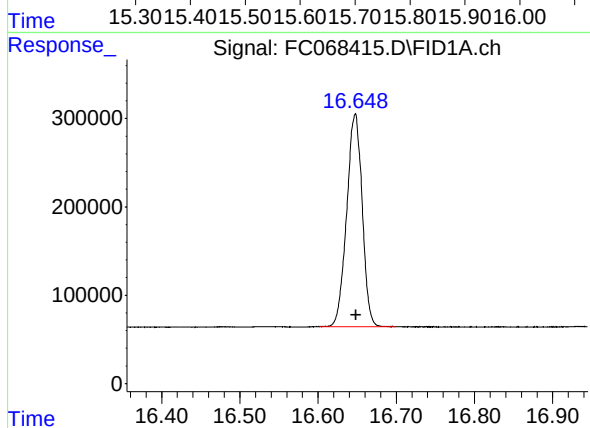
#14 n-Tetracosane (C24)

R.T.: 14.681 min
Delta R.T.: -0.002 min
Response: 3429307
Conc: 20.02 ug/ml



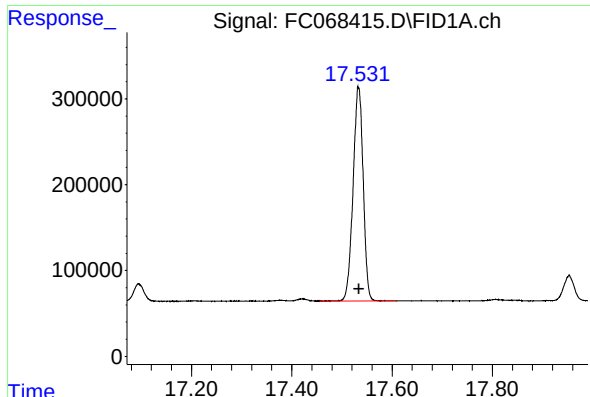
#15 n-Hexacosane (C26)

R.T.: 15.699 min
Delta R.T.: -0.001 min
Response: 3351136
Conc: 19.91 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.647 min
Delta R.T.: -0.001 min
Response: 3320200
Conc: 19.86 ug/ml



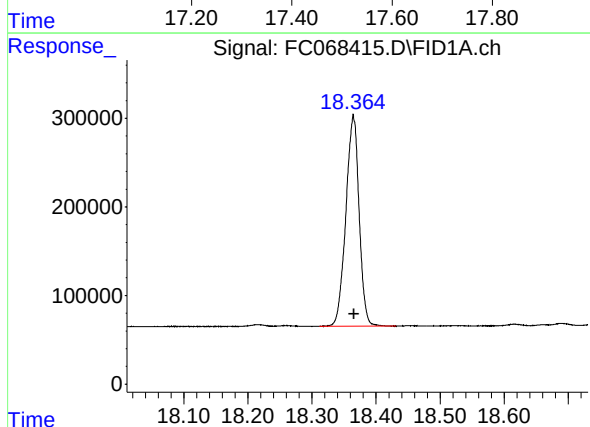
#17 n-Tricontane (C30)

R.T.: 17.533 min
Delta R.T.: -0.001 min
Response: 3491579
Conc: 20.03 ug/ml

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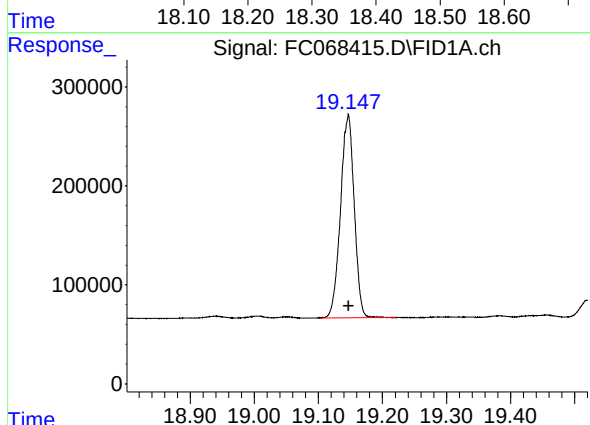
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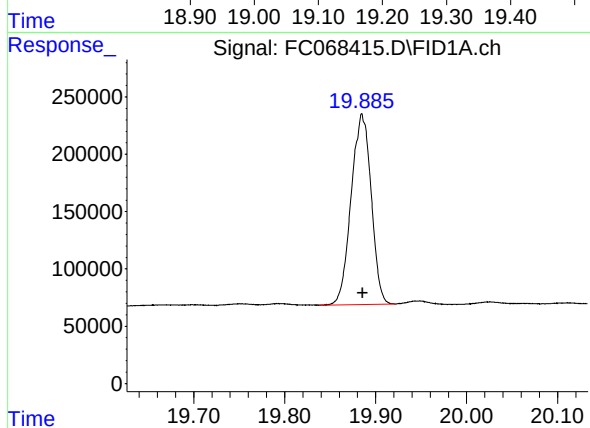
#18 n-Dotriacontane (C32)

R.T.: 18.364 min
Delta R.T.: 0.000 min
Response: 3409748
Conc: 20.37 ug/ml



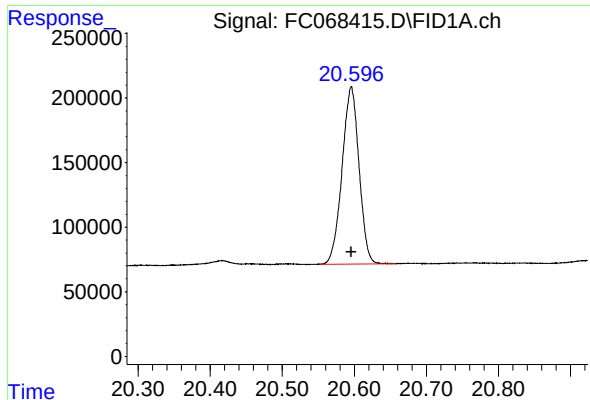
#19 n-Tetratriacontane (C34)

R.T.: 19.146 min
Delta R.T.: -0.001 min
Response: 3033993
Conc: 20.57 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.885 min
Delta R.T.: 0.000 min
Response: 2539370
Conc: 20.75 ug/ml



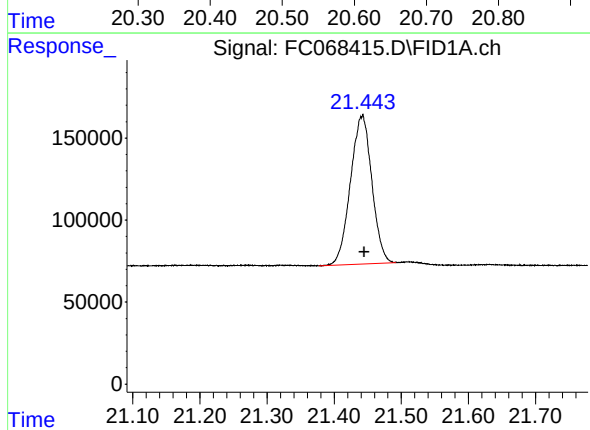
#21 n-Octatriacontane (C38)

R.T.: 20.596 min
Delta R.T.: 0.000 min
Response: 2241356
Conc: 20.87 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.443 min
Delta R.T.: -0.002 min
Response: 2008605
Conc: 20.49 ug/ml m