

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062723AL\
 Data File : FC064009.D
 Signal(s) : FID1A.ch
 Acq On : 27 Jun 2023 14:35
 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 06/28/2023
 Supervised By :Ankita Jodhani 06/28/2023

Integration File: autoint1.e
 Quant Time: Jun 28 00:48:48 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 062423.M
 Quant Title : GC Extractables
 QLast Update : Sun Jun 25 04:03:48 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)	11.522	3549339	18.280 ug/ml
Spiked Amount 50.000		Recovery =	36.56%
12) S 1-chlorooctadecane (S...	12.957	2546237	18.301 ug/ml
Spiked Amount 50.000		Recovery =	36.60%
Target Compounds			
1) T n-Nonane (C9)	3.307	3257021	18.262 ug/ml
2) T n-Decane (C10)	4.369	3324018	18.369 ug/ml
3) T A~Naphthalene (C11.7)	5.950	3392649	18.188 ug/ml
4) T n-Dodecane (C12)	6.382	3285070	18.235 ug/ml
5) T A~2-methylnaphthalene...	7.005	3203643	18.204 ug/ml
6) T n-Tetradecane (C14)	8.174	3152040	18.221 ug/ml
7) T n-Hexadecane (C16)	9.771	3168026	18.237 ug/ml
8) T n-Octadecane (C18)	11.209	3159365	18.331 ug/ml
10) T n-Eicosane (C20)	12.515	2982015	18.267 ug/ml
11) T n-Heneicosane (C21)	13.125	2903248	18.120 ug/ml
13) T n-Docosane (C22)	13.711	2852493	18.153 ug/ml
14) T n-Tetracosane (C24)	14.811	2827706	17.940 ug/ml
15) T n-Hexacosane (C26)	15.826	2780088	18.401 ug/ml
16) T n-Octacosane (C28)	16.774	2830858	18.787 ug/ml
17) T n-Tricontane (C30)	17.659	3122180	19.998 ug/ml
18) T n-Dotriacontane (C32)	18.490	3223378	20.404 ug/ml
19) T n-Tetratriacontane (C34)	19.271	3097121	20.127 ug/ml
20) T n-Hexatriacontane (C36)	20.006	2902933	19.663 ug/mlm
21) T n-Octatriacontane (C38)	20.733	2811874	18.983 ug/ml
22) T n-Tetracontane (C40)	21.620	2715956	18.633 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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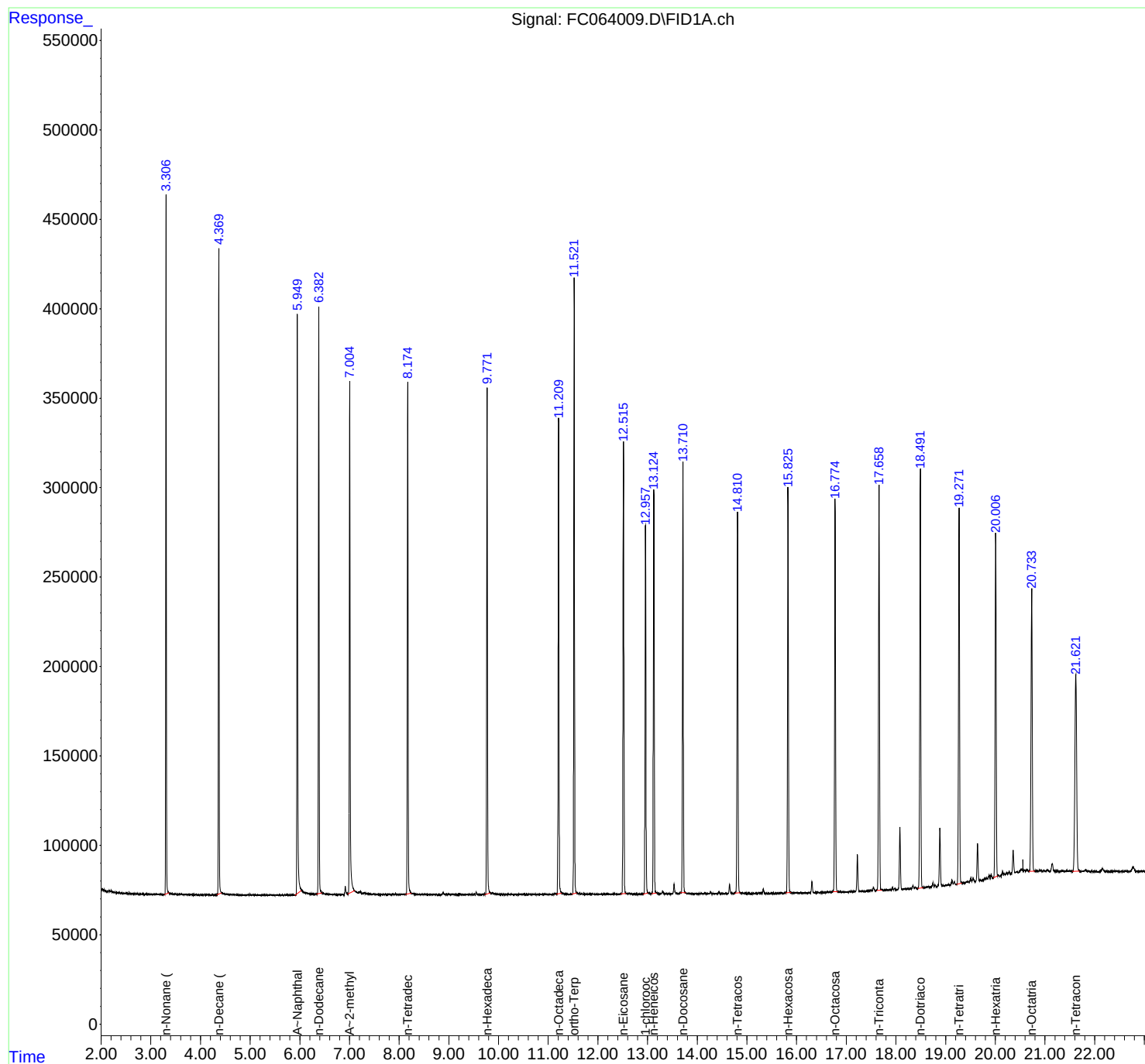
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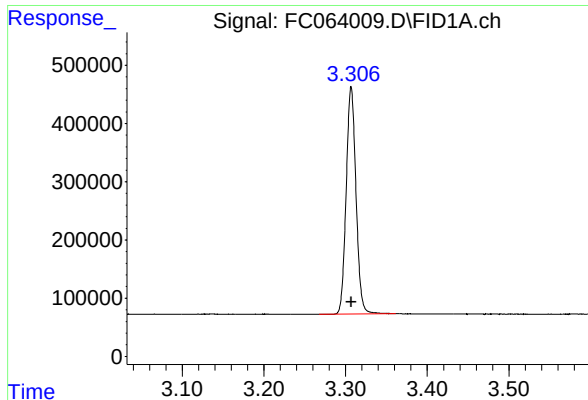
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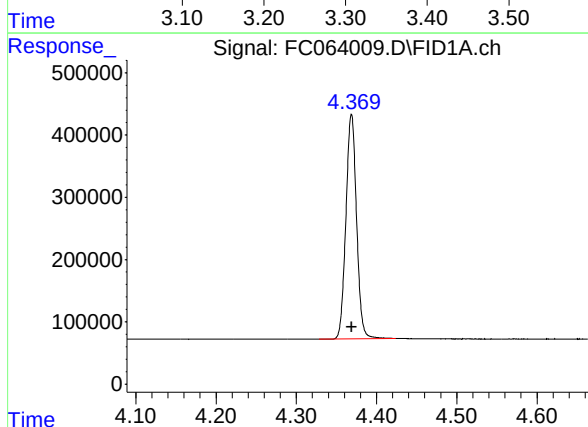
#1 n-Nonane (C9)

R.T.: 3.307 min
Delta R.T.: 0.000 min
Response: 3257021
Conc: 18.26 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

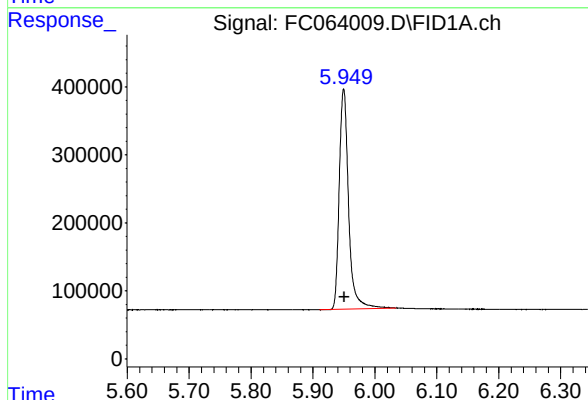
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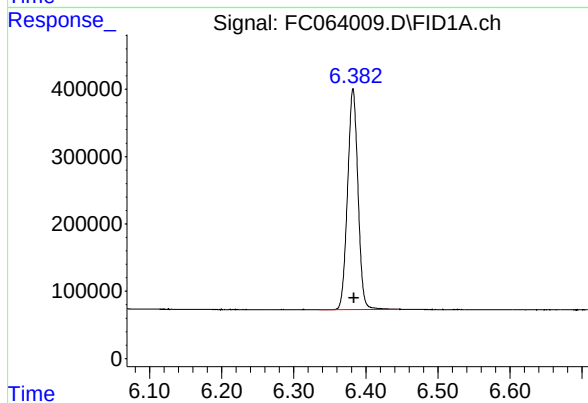
#2 n-Decane (C10)

R.T.: 4.369 min
Delta R.T.: 0.000 min
Response: 3324018
Conc: 18.37 ug/ml



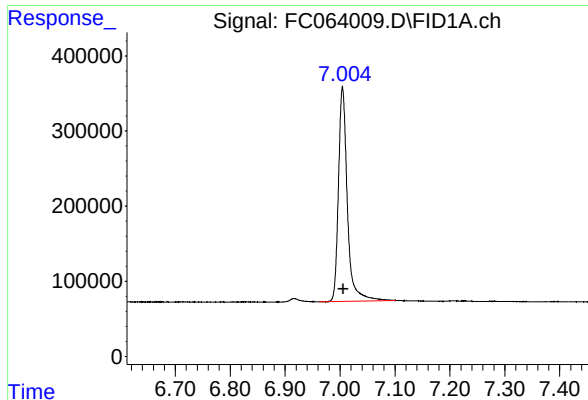
#3 A~Naphthalene (C11.7)

R.T.: 5.950 min
Delta R.T.: 0.000 min
Response: 3392649
Conc: 18.19 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.382 min
Delta R.T.: -0.001 min
Response: 3285070
Conc: 18.24 ug/ml



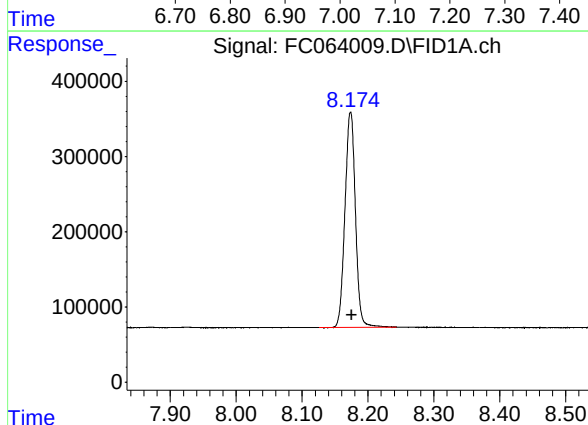
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.005 min
Delta R.T.: -0.001 min
Response: 3203643
Conc: 18.20 ug/ml

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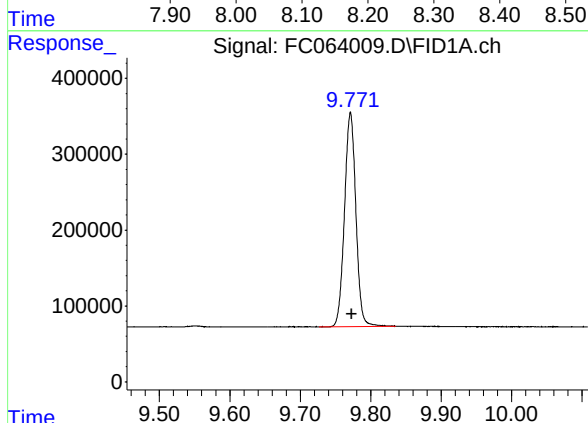
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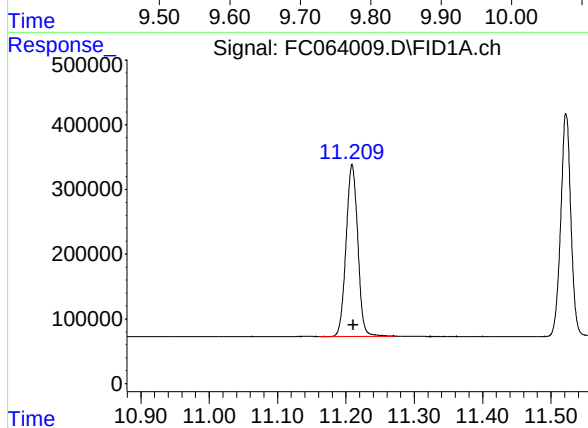
#6 n-Tetradecane (C14)

R.T.: 8.174 min
Delta R.T.: -0.002 min
Response: 3152040
Conc: 18.22 ug/ml



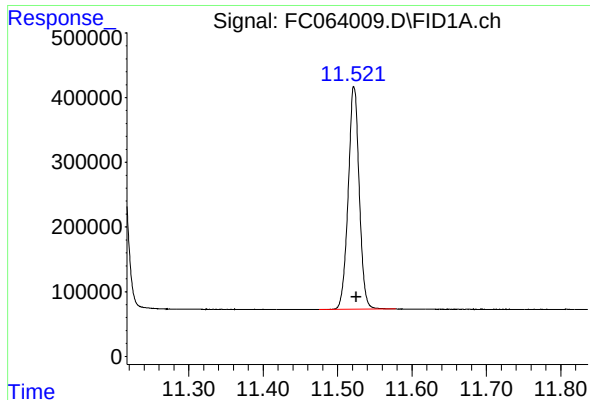
#7 n-Hexadecane (C16)

R.T.: 9.771 min
Delta R.T.: -0.002 min
Response: 3168026
Conc: 18.24 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.209 min
Delta R.T.: -0.002 min
Response: 3159365
Conc: 18.33 ug/ml



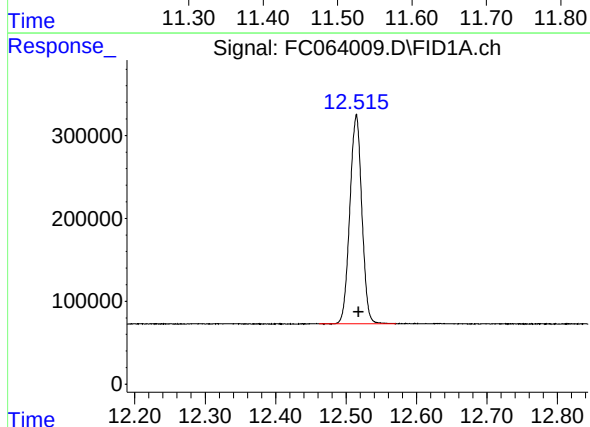
#9 ortho-Terphenyl (SURR)

R.T.: 11.522 min
Delta R.T.: -0.003 min
Response: 3549339
Conc: 18.28 ug/ml

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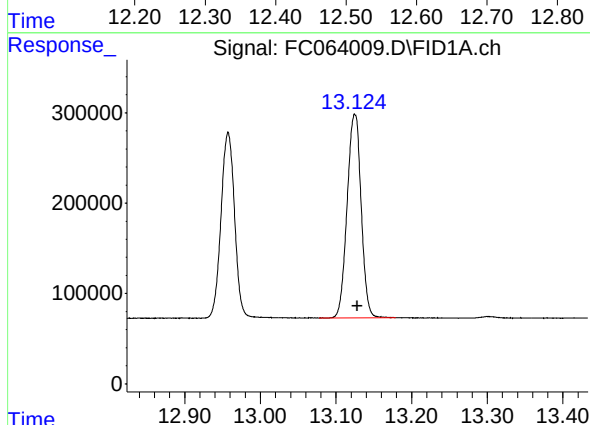
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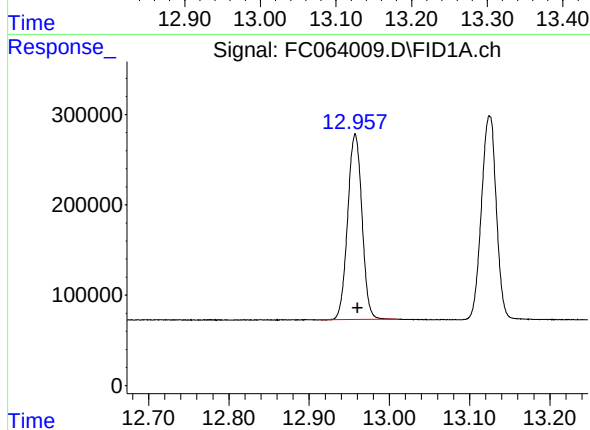
#10 n-Eicosane (C20)

R.T.: 12.515 min
Delta R.T.: -0.003 min
Response: 2982015
Conc: 18.27 ug/ml



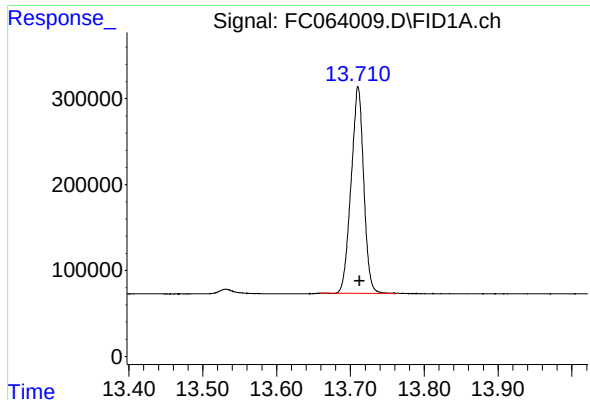
#11 n-Heneicosane (C21)

R.T.: 13.125 min
Delta R.T.: -0.003 min
Response: 2903248
Conc: 18.12 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.957 min
Delta R.T.: -0.003 min
Response: 2546237
Conc: 18.30 ug/ml



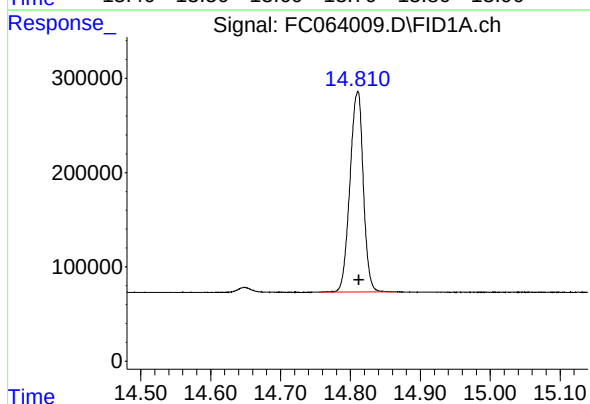
#13 n-Docosane (C22)

R.T.: 13.711 min
Delta R.T.: -0.002 min
Response: 2852493
Conc: 18.15 ug/ml

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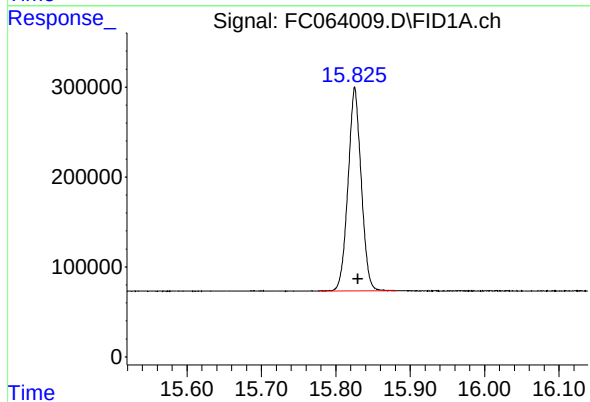
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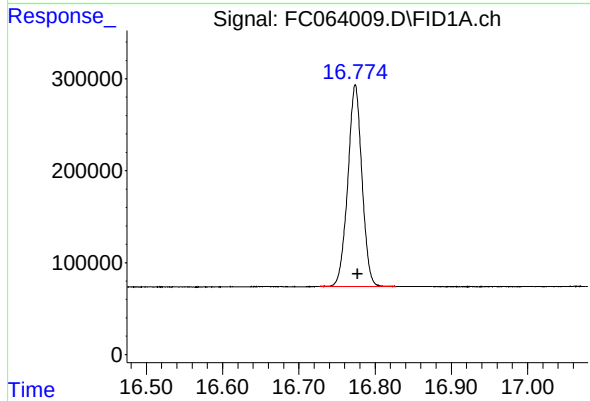
#14 n-Tetracosane (C24)

R.T.: 14.811 min
Delta R.T.: -0.002 min
Response: 2827706
Conc: 17.94 ug/ml



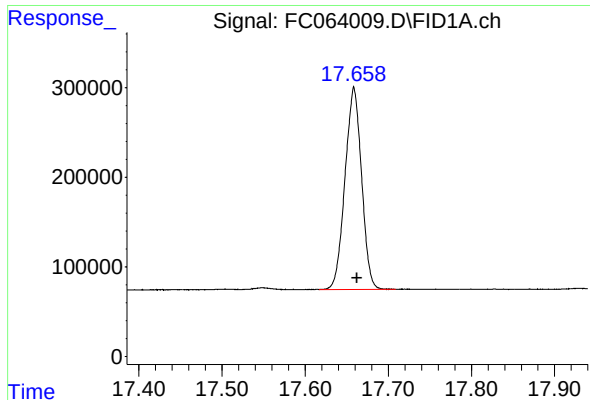
#15 n-Hexacosane (C26)

R.T.: 15.826 min
Delta R.T.: -0.005 min
Response: 2780088
Conc: 18.40 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.774 min
Delta R.T.: -0.003 min
Response: 2830858
Conc: 18.79 ug/ml



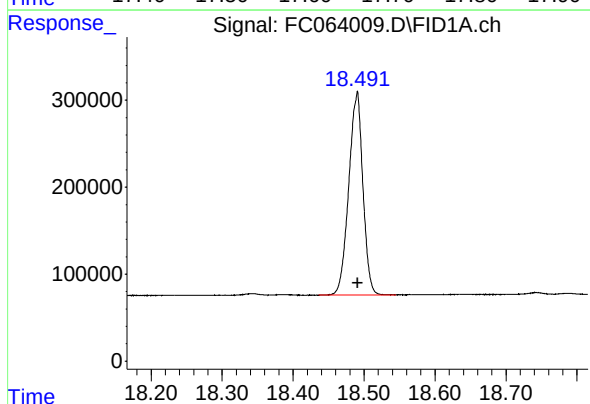
#17 n-Tricontane (C30)

R.T.: 17.659 min
Delta R.T.: -0.003 min
Response: 3122180
Conc: 20.00 ug/ml

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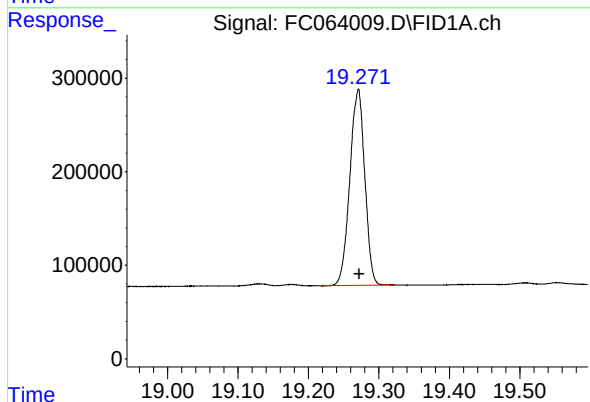
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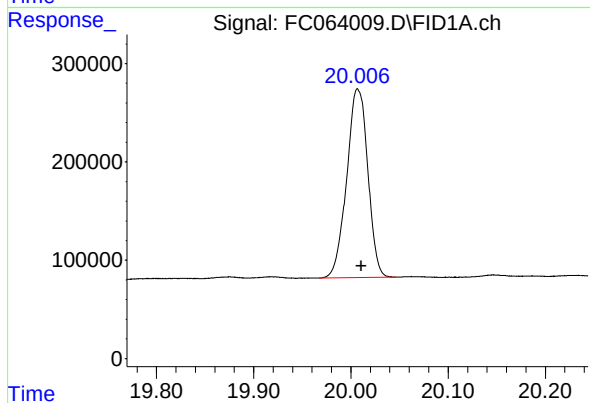
#18 n-Dotriacontane (C32)

R.T.: 18.490 min
Delta R.T.: 0.000 min
Response: 3223378
Conc: 20.40 ug/ml



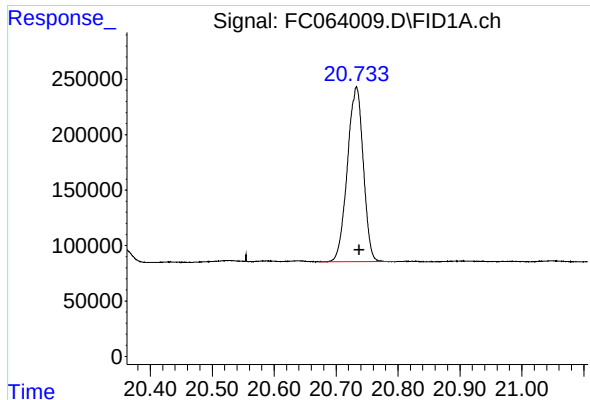
#19 n-Tetatriacontane (C34)

R.T.: 19.271 min
Delta R.T.: -0.001 min
Response: 3097121
Conc: 20.13 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.006 min
Delta R.T.: -0.004 min
Response: 2902933
Conc: 19.66 ug/ml m



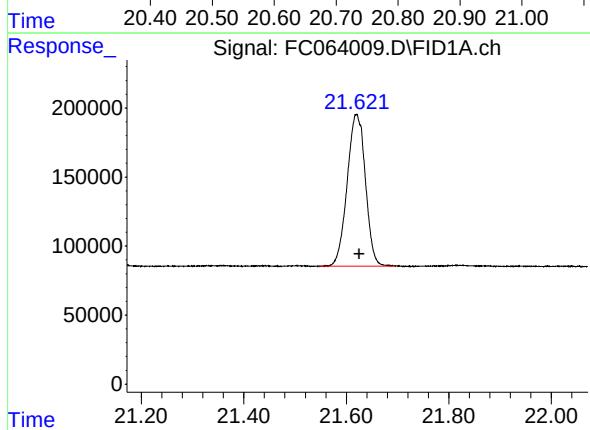
#21 n-Octatriacontane (C38)

R.T.: 20.733 min
Delta R.T.: -0.004 min
Response: 2811874
Conc: 18.98 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.620 min
Delta R.T.: -0.006 min
Response: 2715956
Conc: 18.63 ug/ml