

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082724AL\
 Data File : FC067029.D
 Signal(s) : FID1A.ch
 Acq On : 28 Aug 2024 00:29
 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 08/28/2024
 Supervised By :Ankita Jodhani 08/28/2024

Integration File: autoint1.e
 Quant Time: Aug 28 02:29:28 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 081224.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 12 15:57:40 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)	11.516	3017022	19.818 ug/ml
Spiked Amount 50.000		Recovery =	39.64%
12) S 1-chlorooctadecane (S...	12.955	2268334	20.937 ug/ml
Spiked Amount 50.000		Recovery =	41.87%
Target Compounds			
1) T n-Nonane (C9)	3.283	2870627	19.532 ug/ml
2) T n-Decane (C10)	4.349	2963519	19.777 ug/ml
3) T A~Naphthalene (C11.7)	5.930	3148288	19.790 ug/ml
4) T n-Dodecane (C12)	6.367	2972740	19.813 ug/ml
5) T A~2-methylnaphthalene...	6.987	3000398	19.951 ug/ml
6) T n-Tetradecane (C14)	8.161	2899330	19.996 ug/ml
7) T n-Hexadecane (C16)	9.762	2951497	20.138 ug/ml
8) T n-Octadecane (C18)	11.203	2934963	20.137 ug/ml
10) T n-Eicosane (C20)	12.512	2767169	20.206 ug/ml
11) T n-Heneicosane (C21)	13.124	2696857	20.237 ug/ml
13) T n-Docosane (C22)	13.710	2659100	20.180 ug/ml
14) T n-Tetracosane (C24)	14.812	2608225	20.125 ug/ml
15) T n-Hexacosane (C26)	15.832	2536666	19.998 ug/ml
16) T n-Octacosane (C28)	16.780	2513832	20.239 ug/mlm
17) T n-Tricontane (C30)	17.668	2649305	21.081 ug/ml
18) T n-Dotriacontane (C32)	18.500	2608013	21.114 ug/ml
19) T n-Tetratriacontane (C34)	19.284	2641240	22.026 ug/ml
20) T n-Hexatriacontane (C36)	20.023	2480136	21.966 ug/mlm
21) T n-Octatriacontane (C38)	20.750	2694727	24.735 ug/mlm
22) T n-Tetracontane (C40)	21.648	2298733	22.503 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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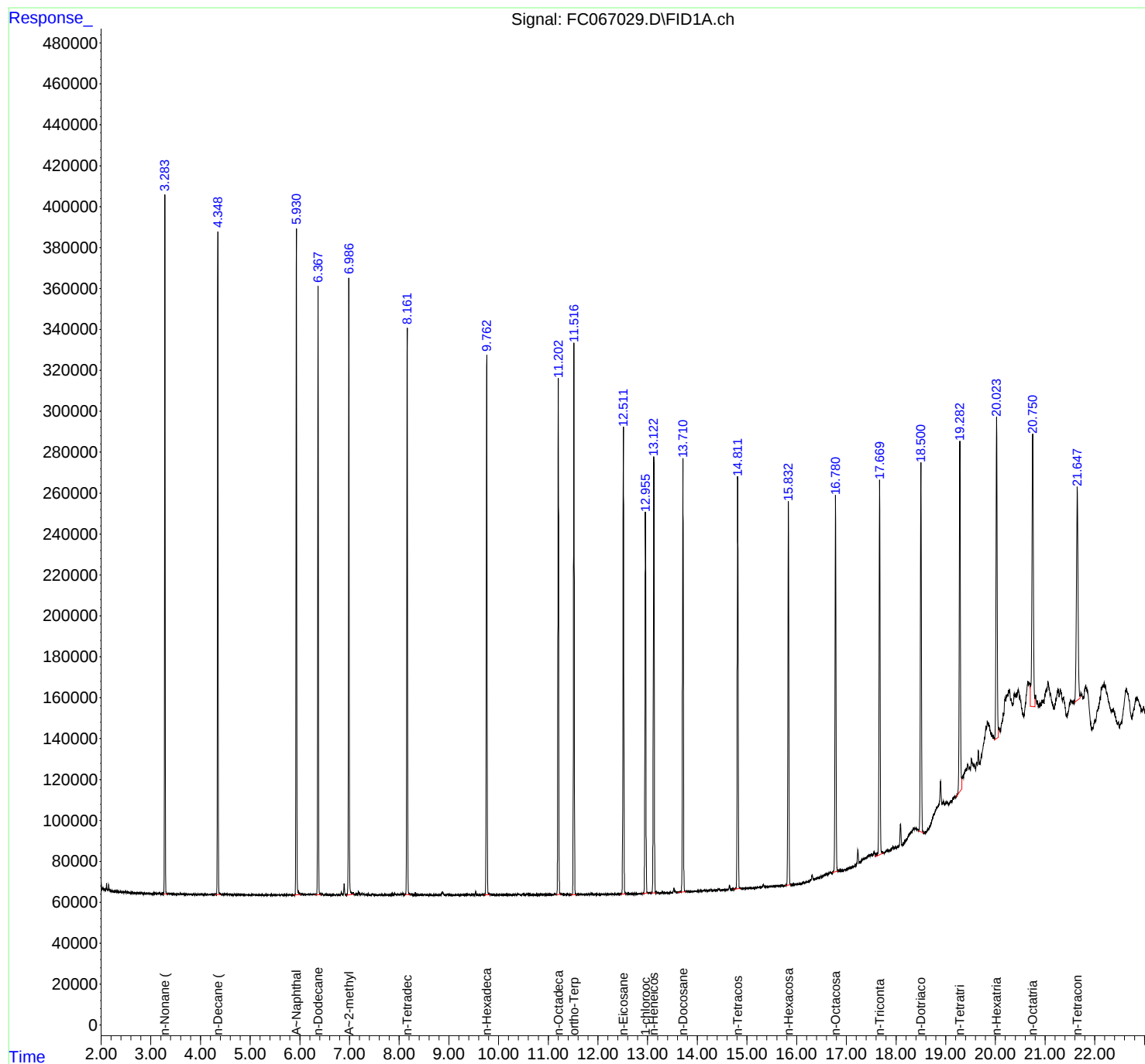
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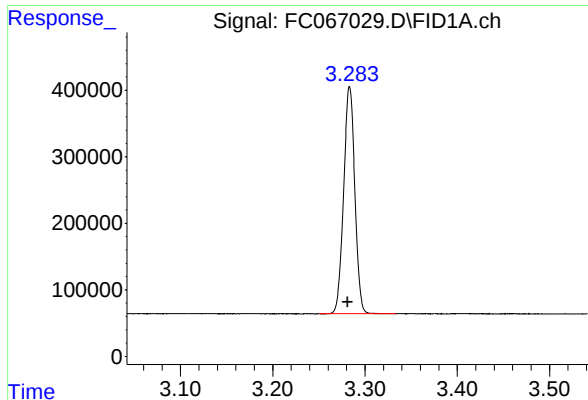
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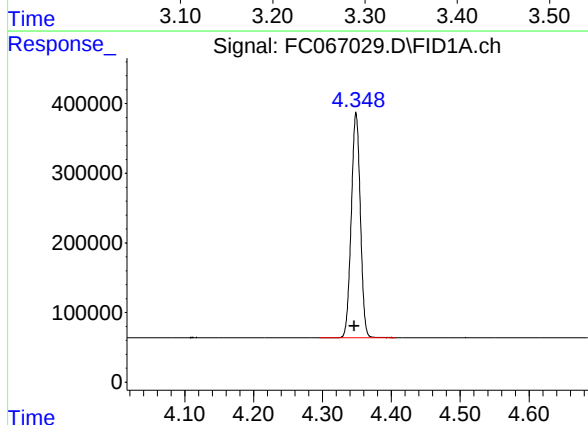
#1 n-Nonane (C9)

R.T.: 3.283 min
Delta R.T.: 0.002 min
Response: 2870627
Conc: 19.53 ug/ml

Instrument :
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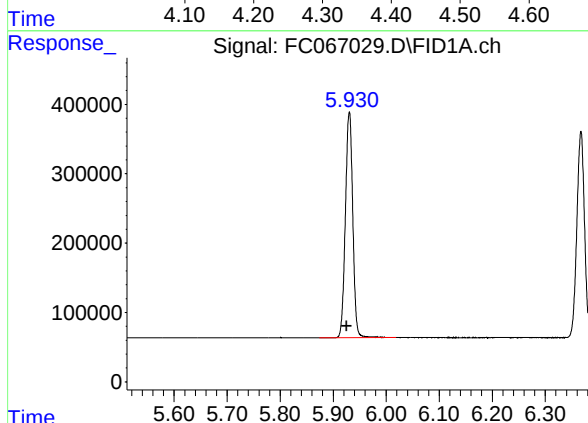
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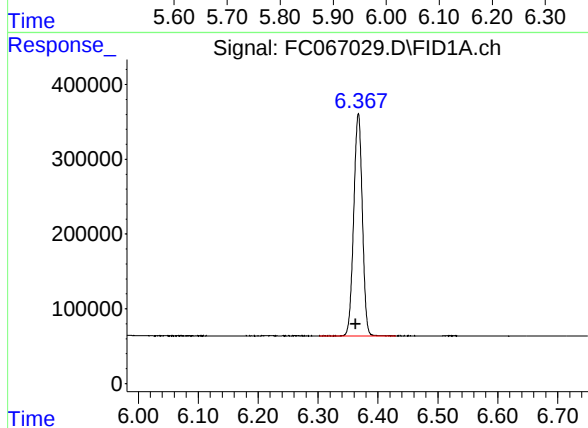
#2 n-Decane (C10)

R.T.: 4.349 min
Delta R.T.: 0.003 min
Response: 2963519
Conc: 19.78 ug/ml



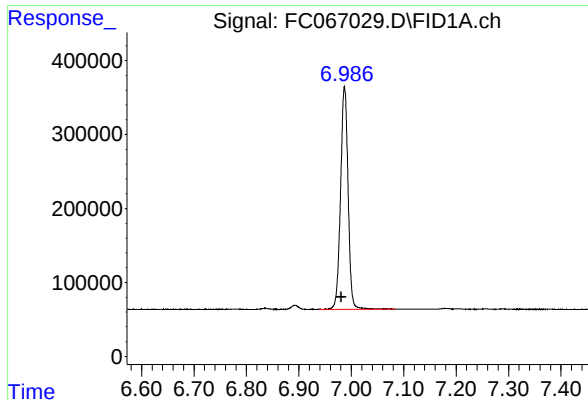
#3 A~Naphthalene (C11.7)

R.T.: 5.930 min
Delta R.T.: 0.005 min
Response: 3148288
Conc: 19.79 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.367 min
Delta R.T.: 0.005 min
Response: 2972740
Conc: 19.81 ug/ml



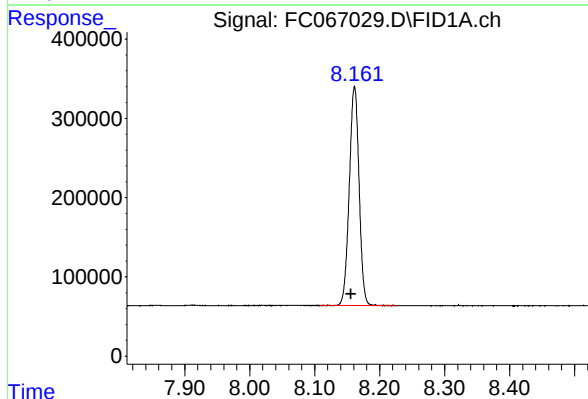
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.987 min
Delta R.T.: 0.007 min
Response: 3000398
Conc: 19.95 ug/ml

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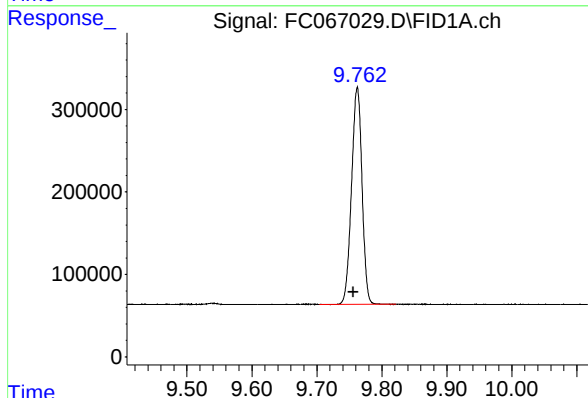
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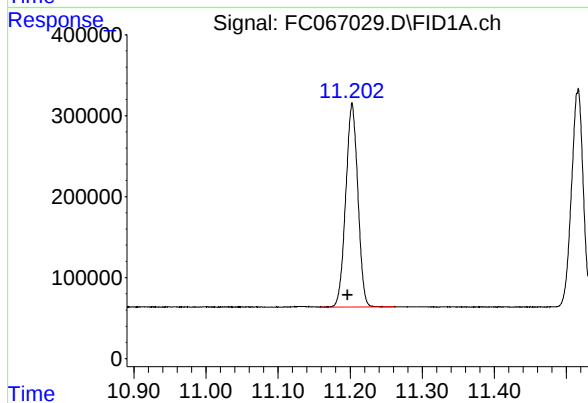
#6 n-Tetradecane (C14)

R.T.: 8.161 min
Delta R.T.: 0.005 min
Response: 2899330
Conc: 20.00 ug/ml



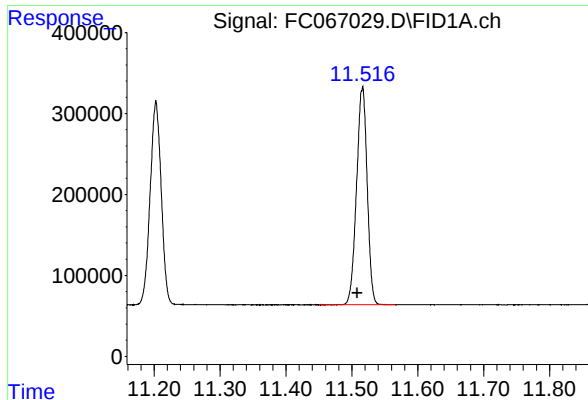
#7 n-Hexadecane (C16)

R.T.: 9.762 min
Delta R.T.: 0.006 min
Response: 2951497
Conc: 20.14 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.203 min
Delta R.T.: 0.006 min
Response: 2934963
Conc: 20.14 ug/ml



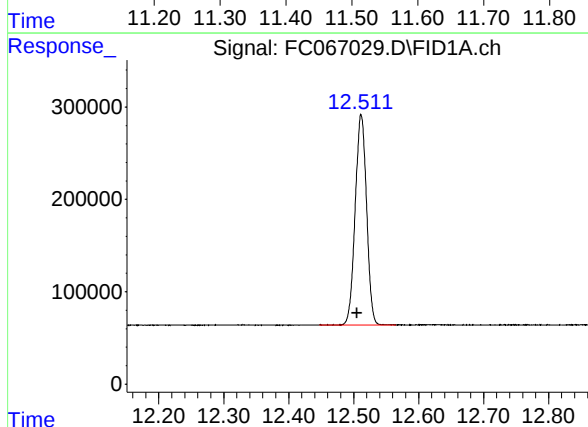
#9 ortho-Terphenyl (SURR)

R.T.: 11.516 min
Delta R.T.: 0.008 min
Response: 3017022
Conc: 19.82 ug/ml

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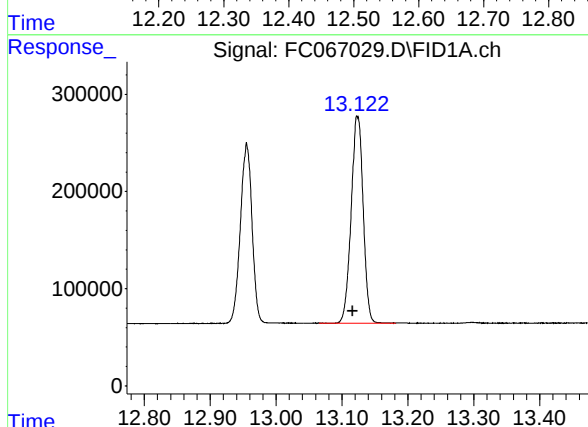
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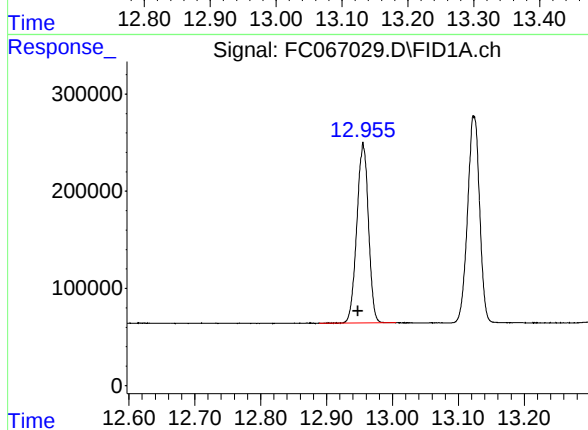
#10 n-Eicosane (C20)

R.T.: 12.512 min
Delta R.T.: 0.007 min
Response: 2767169
Conc: 20.21 ug/ml



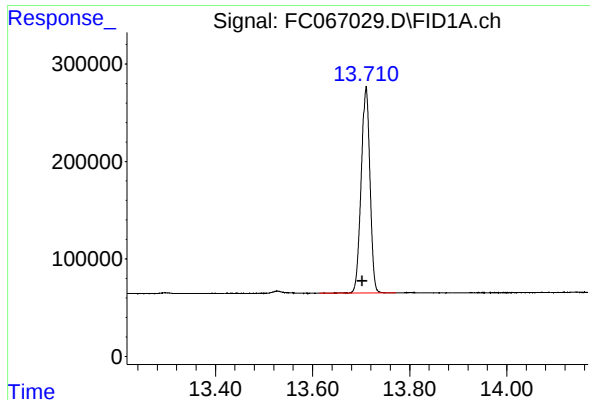
#11 n-Heneicosane (C21)

R.T.: 13.124 min
Delta R.T.: 0.007 min
Response: 2696857
Conc: 20.24 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.955 min
Delta R.T.: 0.007 min
Response: 2268334
Conc: 20.94 ug/ml



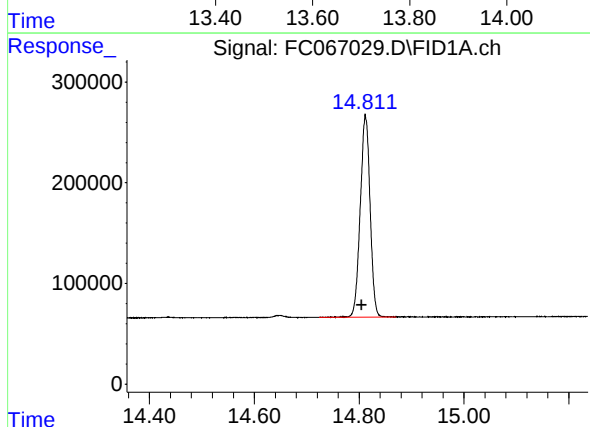
#13 n-Docosane (C22)

R.T.: 13.710 min
Delta R.T.: 0.007 min
Response: 2659100
Conc: 20.18 ug/ml

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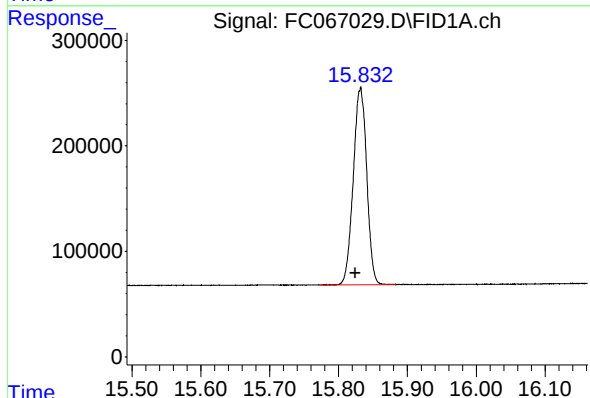
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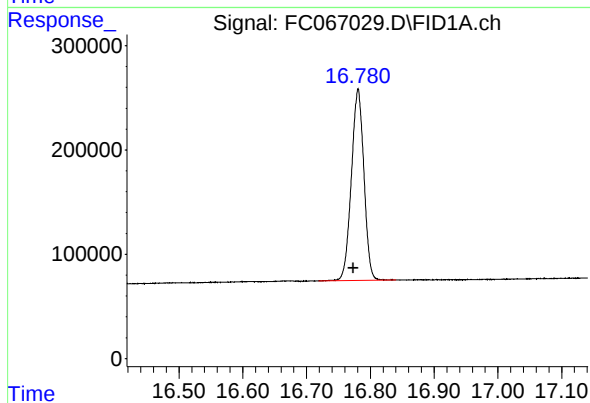
#14 n-Tetracosane (C24)

R.T.: 14.812 min
Delta R.T.: 0.008 min
Response: 2608225
Conc: 20.12 ug/ml



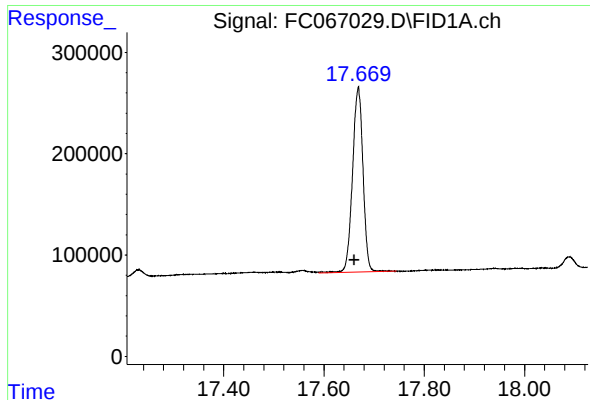
#15 n-Hexacosane (C26)

R.T.: 15.832 min
Delta R.T.: 0.007 min
Response: 2536666
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.780 min
Delta R.T.: 0.007 min
Response: 2513832
Conc: 20.24 ug/ml m



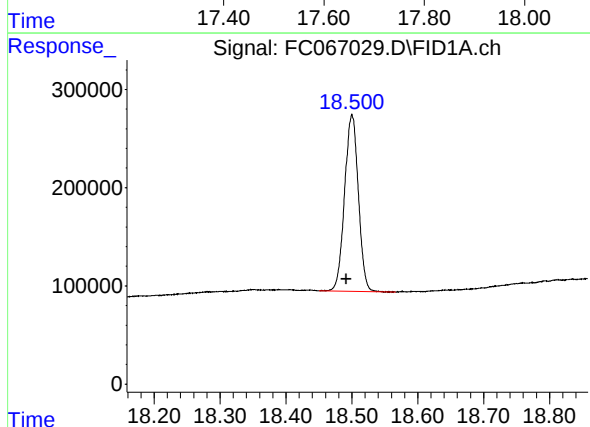
#17 n-Tricontane (C30)

R.T.: 17.668 min
Delta R.T.: 0.008 min
Response: 2649305
Conc: 21.08 ug/ml

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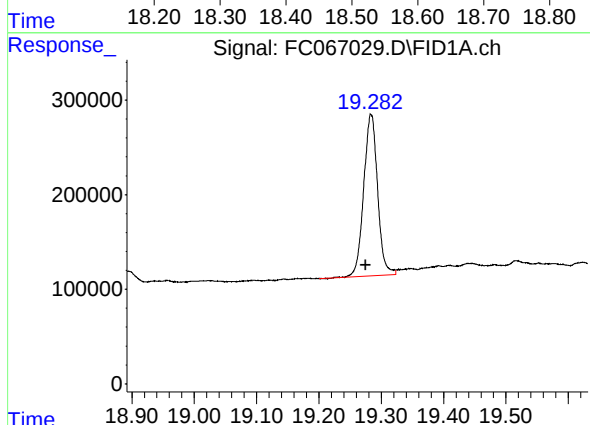
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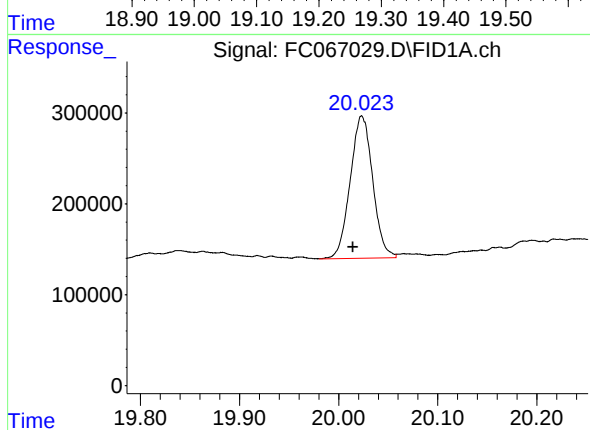
#18 n-Dotriacontane (C32)

R.T.: 18.500 min
Delta R.T.: 0.009 min
Response: 2608013
Conc: 21.11 ug/ml



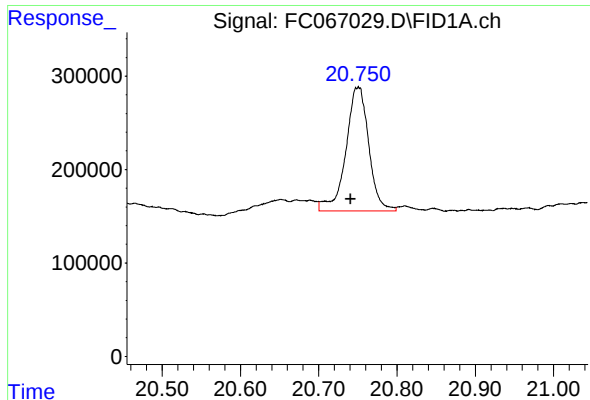
#19 n-Tetratriacontane (C34)

R.T.: 19.284 min
Delta R.T.: 0.009 min
Response: 2641240
Conc: 22.03 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.023 min
Delta R.T.: 0.009 min
Response: 2480136
Conc: 21.97 ug/ml m



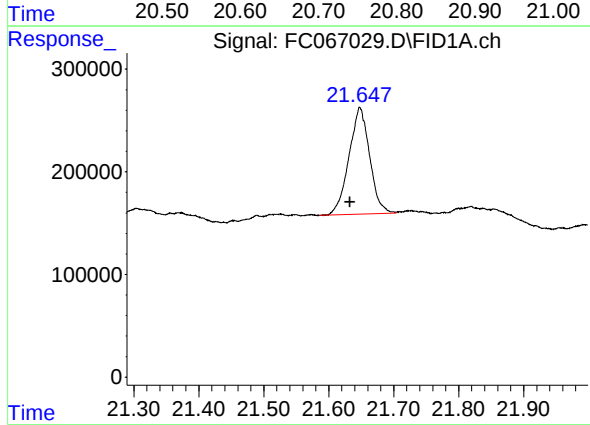
#21 n-Octatriacontane (C38)

R.T.: 20.750 min
Delta R.T.: 0.010 min
Response: 2694727
Conc: 24.73 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.648 min
Delta R.T.: 0.015 min
Response: 2298733
Conc: 22.50 ug/ml