

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F111124AL\
 Data File : FC067701.D
 Signal(s) : FID1A.ch
 Acq On : 12 Nov 2024 01:09
 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 11/12/2024
 Supervised By :Ankita Jodhani 11/12/2024

Integration File: autoint1.e
 Quant Time: Nov 12 02:16:01 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 23 18:12:58 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)	11.498	2997509	20.429 ug/ml
Spiked Amount 50.000		Recovery =	40.86%
12) S 1-chlorooctadecane (S...	12.938	2253472	20.868 ug/ml
Spiked Amount 50.000		Recovery =	41.74%
Target Compounds			
1) T n-Nonane (C9)	3.273	2743811	20.367 ug/ml
2) T n-Decane (C10)	4.338	2795802	20.520 ug/ml
3) T A~Naphthalene (C11.7)	5.918	3049995	20.582 ug/ml
4) T n-Dodecane (C12)	6.354	2788735	20.590 ug/ml
5) T A~2-methylnaphthalene...	6.973	2921340	20.686 ug/ml
6) T n-Tetradecane (C14)	8.147	2723280	20.747 ug/ml
7) T n-Hexadecane (C16)	9.746	2759721	20.891 ug/ml
8) T n-Octadecane (C18)	11.185	2754566	20.850 ug/ml
10) T n-Eicosane (C20)	12.493	2623999	20.796 ug/ml
11) T n-Heneicosane (C21)	13.105	2564693	20.781 ug/ml
13) T n-Docosane (C22)	13.690	2547899	20.808 ug/ml
14) T n-Tetracosane (C24)	14.793	2540144	20.957 ug/ml
15) T n-Hexacosane (C26)	15.812	2484434	20.868 ug/ml
16) T n-Octacosane (C28)	16.760	2473646	21.026 ug/ml
17) T n-Tricontane (C30)	17.648	2611388	21.605 ug/ml
18) T n-Dotriacontane (C32)	18.479	2587330	21.867 ug/ml
19) T n-Tetratriacontane (C34)	19.261	2264456	21.622 ug/ml
20) T n-Hexatriacontane (C36)	20.000	2006362	22.041 ug/mlm
21) T n-Octatriacontane (C38)	20.726	1820814	21.025 ug/mlm
22) T n-Tetracontane (C40)	21.612	1880215	22.117 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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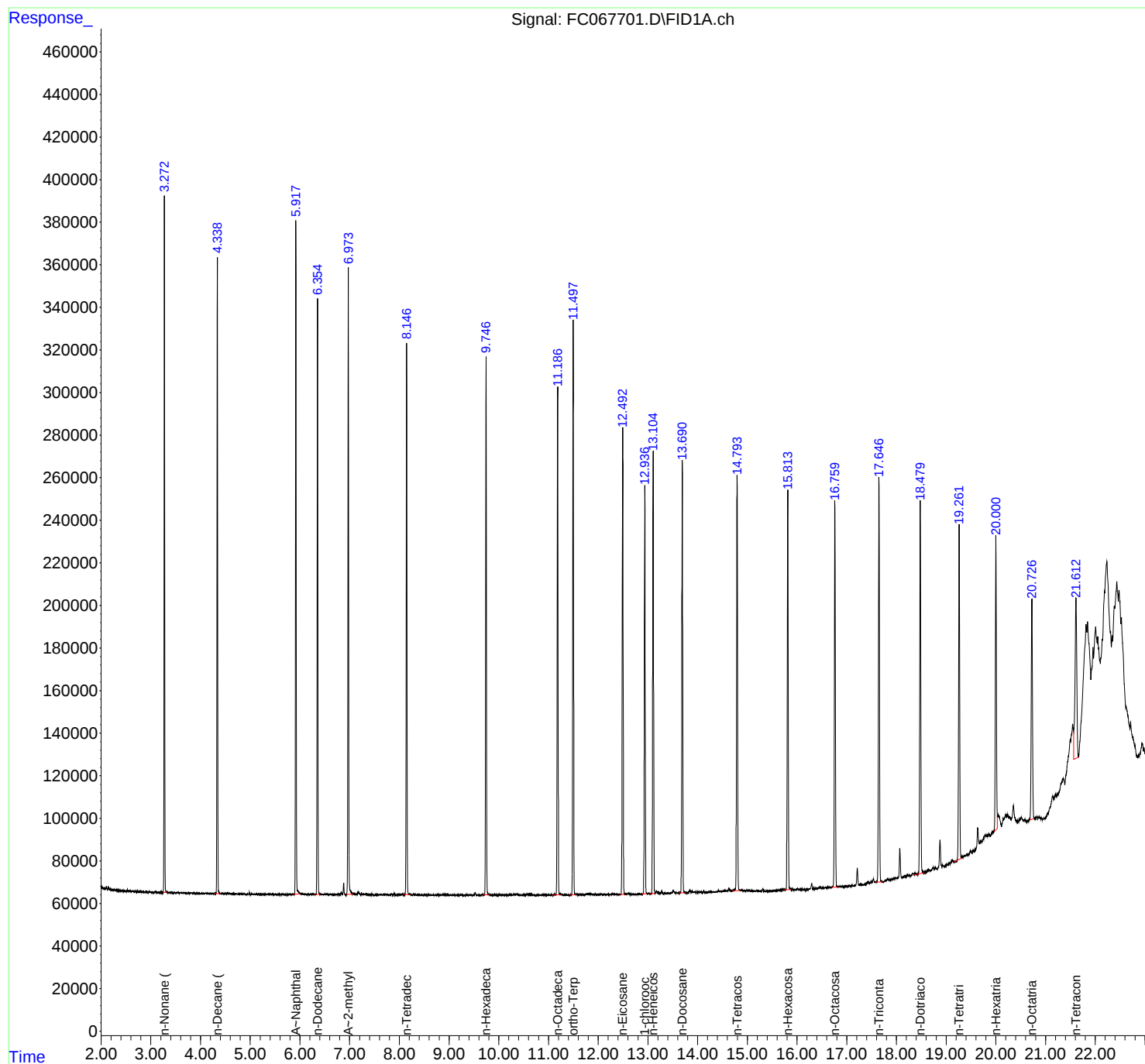
Instrument :
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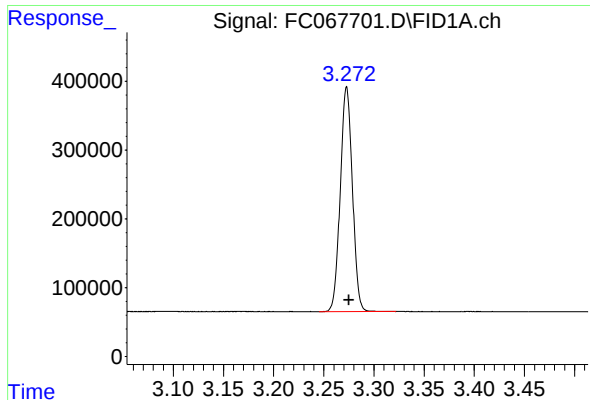
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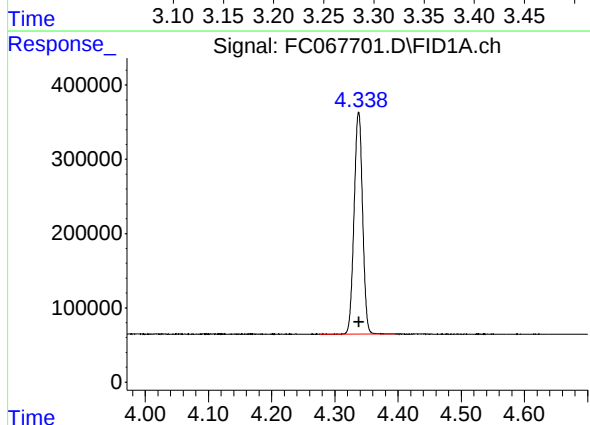
#1 n-Nonane (C9)

R.T.: 3.273 min
Delta R.T.: -0.002 min
Response: 2743811
Conc: 20.37 ug/ml

Instrument :
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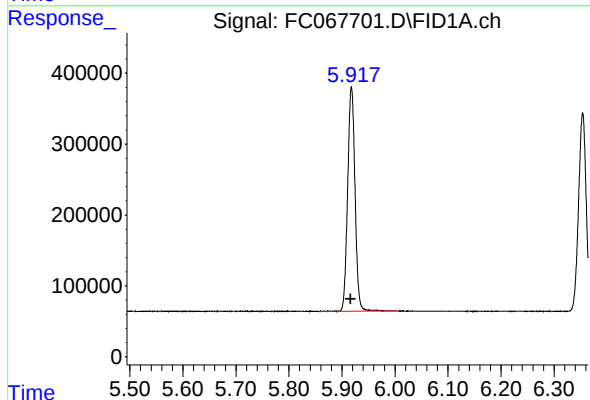
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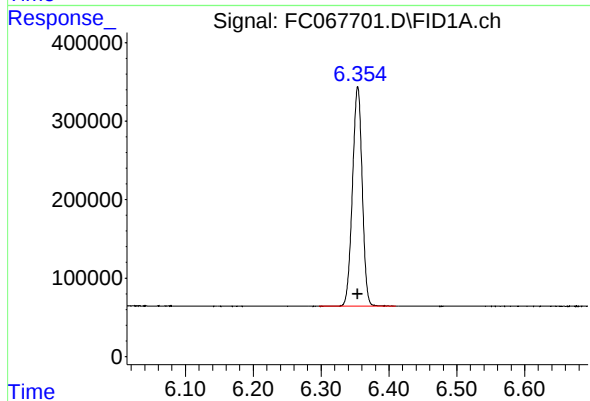
#2 n-Decane (C10)

R.T.: 4.338 min
Delta R.T.: 0.000 min
Response: 2795802
Conc: 20.52 ug/ml



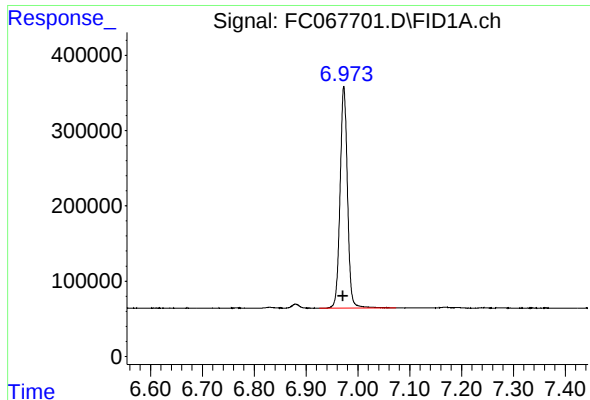
#3 A~Naphthalene (C11.7)

R.T.: 5.918 min
Delta R.T.: 0.001 min
Response: 3049995
Conc: 20.58 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.354 min
Delta R.T.: 0.000 min
Response: 2788735
Conc: 20.59 ug/ml



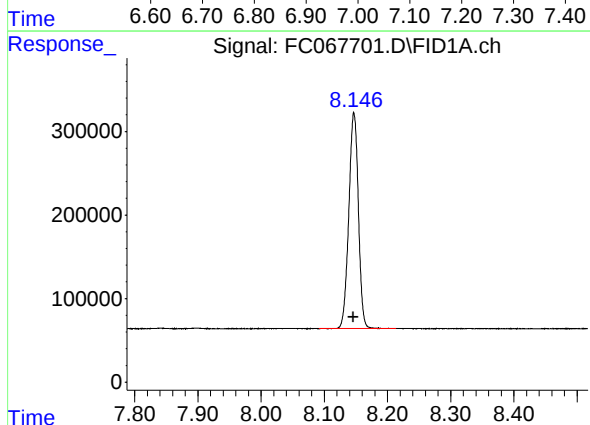
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.973 min
Delta R.T.: 0.002 min
Response: 2921340
Conc: 20.69 ug/ml

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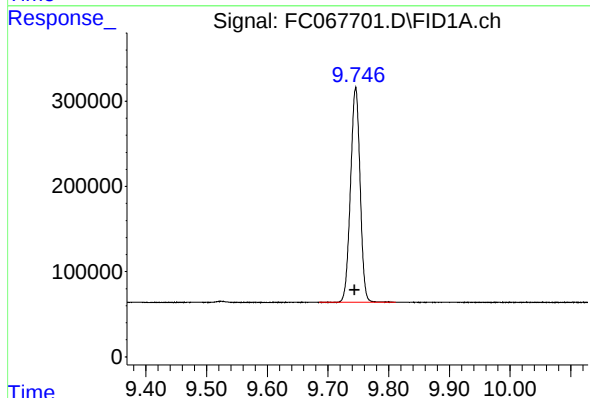
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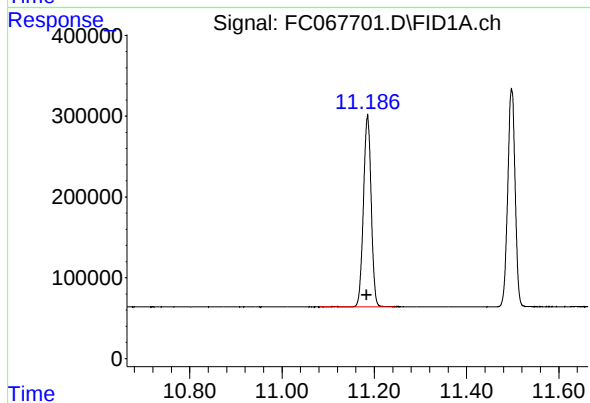
#6 n-Tetradecane (C14)

R.T.: 8.147 min
Delta R.T.: 0.001 min
Response: 2723280
Conc: 20.75 ug/ml



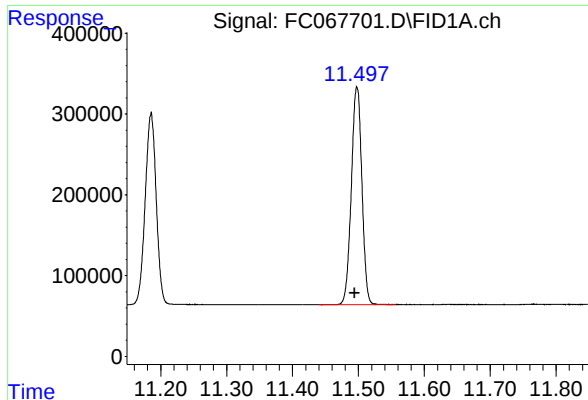
#7 n-Hexadecane (C16)

R.T.: 9.746 min
Delta R.T.: 0.002 min
Response: 2759721
Conc: 20.89 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.185 min
Delta R.T.: 0.002 min
Response: 2754566
Conc: 20.85 ug/ml



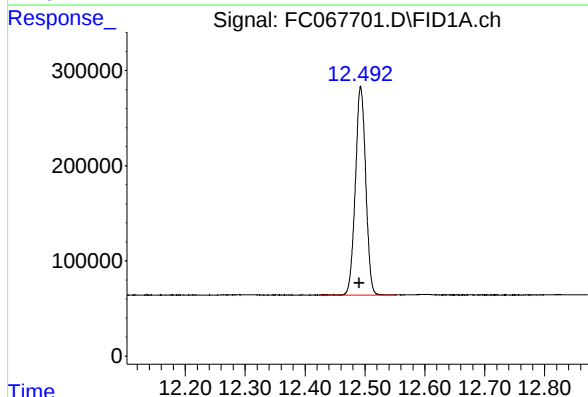
#9 ortho-Terphenyl (SURR)

R.T.: 11.498 min
Delta R.T.: 0.004 min
Response: 2997509
Conc: 20.43 ug/ml

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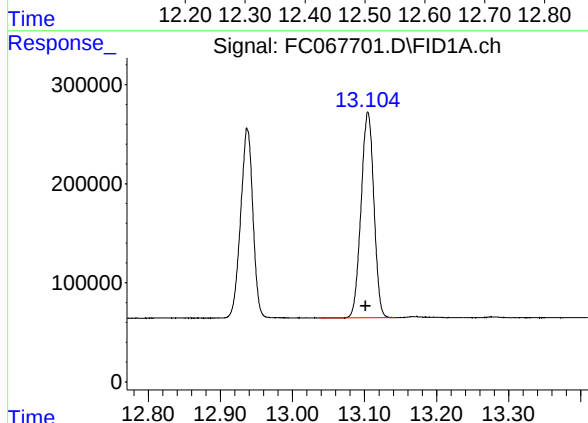
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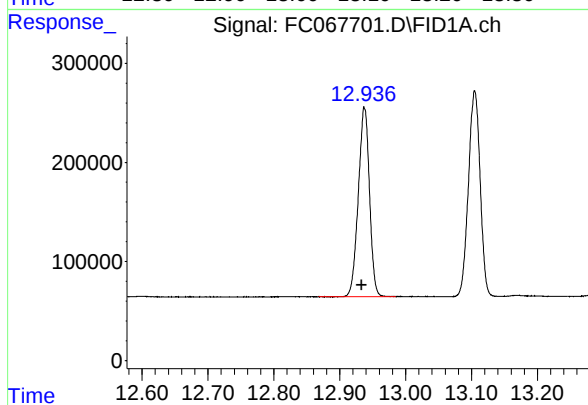
#10 n-Eicosane (C20)

R.T.: 12.493 min
Delta R.T.: 0.002 min
Response: 2623999
Conc: 20.80 ug/ml



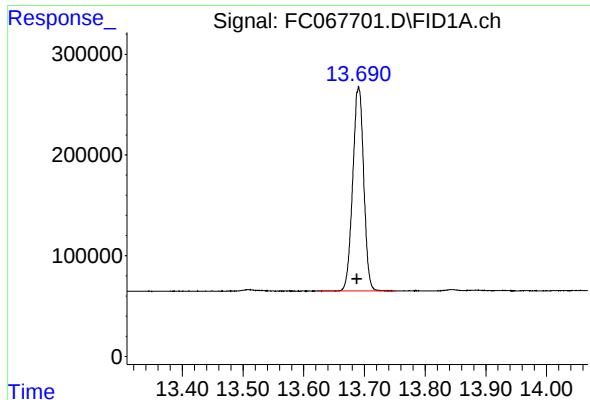
#11 n-Heneicosane (C21)

R.T.: 13.105 min
Delta R.T.: 0.003 min
Response: 2564693
Conc: 20.78 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.938 min
Delta R.T.: 0.004 min
Response: 2253472
Conc: 20.87 ug/ml



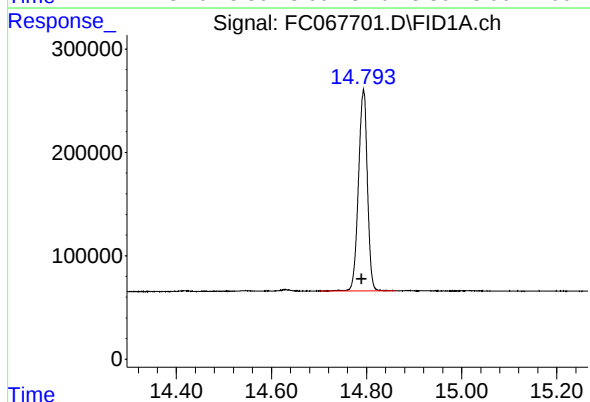
#13 n-Docosane (C22)

R.T.: 13.690 min
Delta R.T.: 0.003 min
Response: 2547899
Conc: 20.81 ug/ml

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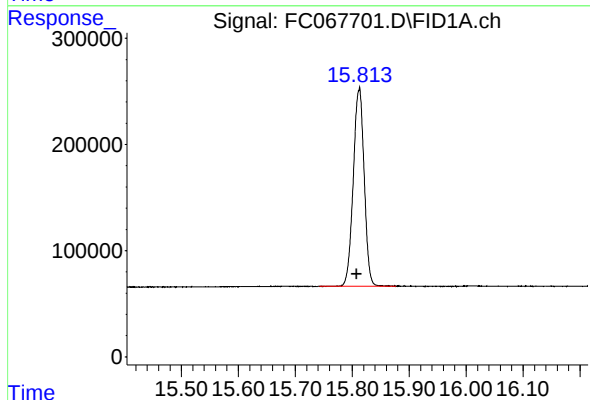
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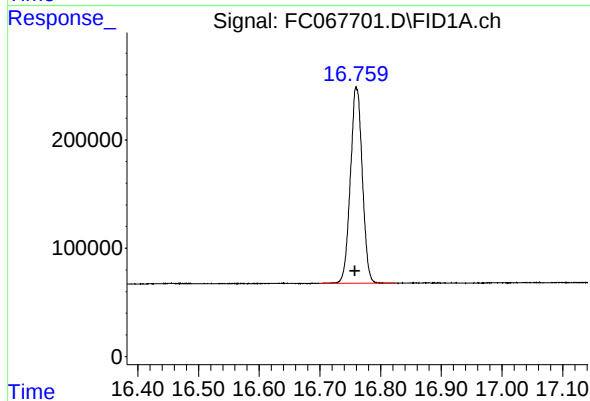
#14 n-Tetracosane (C24)

R.T.: 14.793 min
Delta R.T.: 0.004 min
Response: 2540144
Conc: 20.96 ug/ml



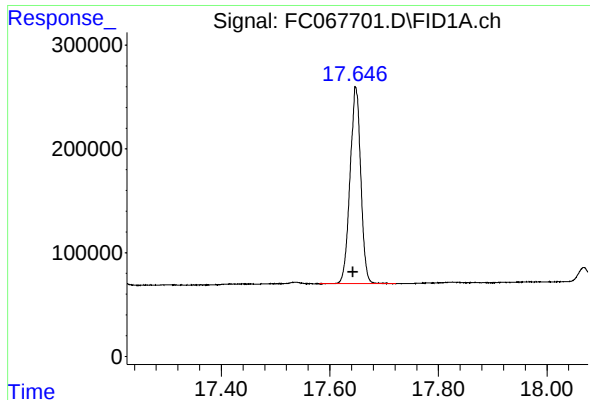
#15 n-Hexacosane (C26)

R.T.: 15.812 min
Delta R.T.: 0.004 min
Response: 2484434
Conc: 20.87 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.760 min
Delta R.T.: 0.003 min
Response: 2473646
Conc: 21.03 ug/ml



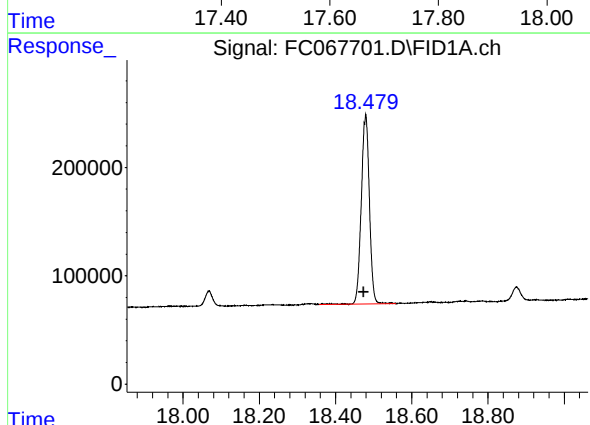
#17 n-Tricontane (C30)

R.T.: 17.648 min
Delta R.T.: 0.005 min
Response: 2611388
Conc: 21.60 ug/ml

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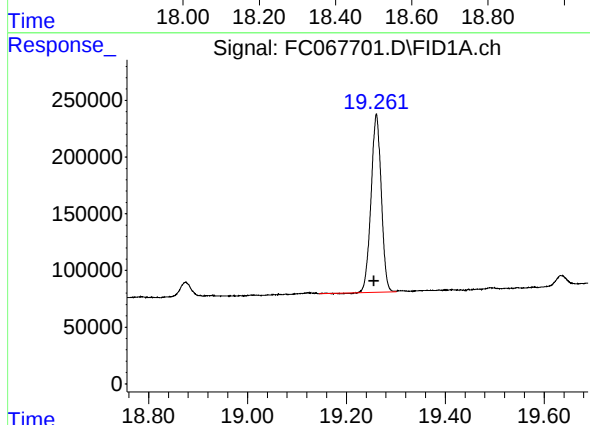
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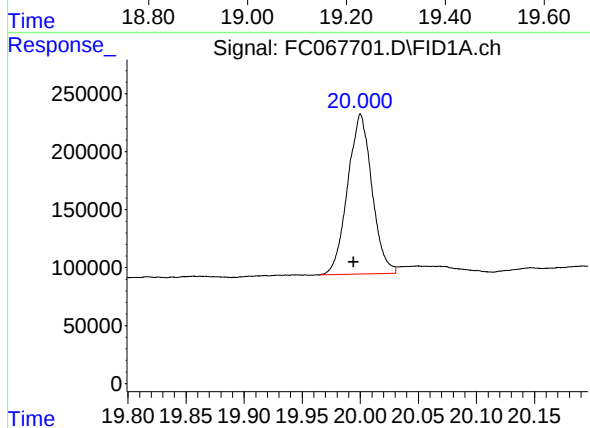
#18 n-Dotriacontane (C32)

R.T.: 18.479 min
Delta R.T.: 0.005 min
Response: 2587330
Conc: 21.87 ug/ml



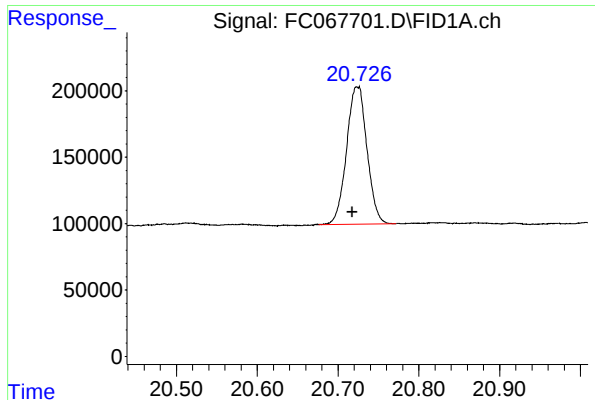
#19 n-Tetratriacontane (C34)

R.T.: 19.261 min
Delta R.T.: 0.004 min
Response: 2264456
Conc: 21.62 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.000 min
Delta R.T.: 0.005 min
Response: 2006362
Conc: 22.04 ug/ml m



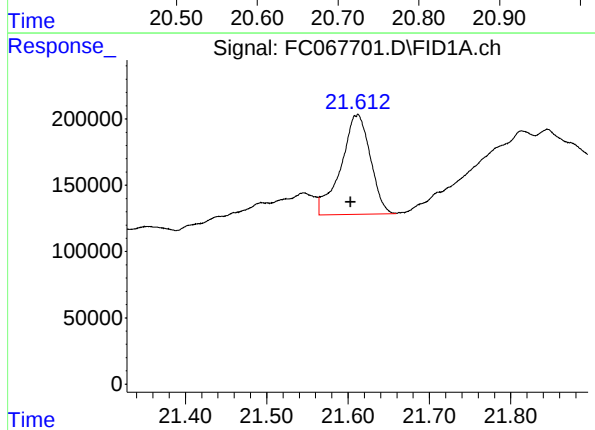
#21 n-Octatriacontane (C38)

R.T.: 20.726 min
Delta R.T.: 0.008 min
Response: 1820814
Conc: 21.02 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.612 min
Delta R.T.: 0.008 min
Response: 1880215
Conc: 22.12 ug/ml m