

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F110424AL\
 Data File : FC067630.D
 Signal(s) : FID1A.ch
 Acq On : 05 Nov 2024 11:43
 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 11/06/2024
 Supervised By :Ankita Jodhani 11/06/2024

Integration File: autoint1.e
 Quant Time: Nov 05 15:47:55 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)	11.489	2562300	17.463 ug/ml
Spiked Amount 50.000		Recovery =	34.93%
12) S 1-chlorooctadecane (S...	12.928	1908552	17.674 ug/ml
Spiked Amount 50.000		Recovery =	35.35%
Target Compounds			
1) T n-Nonane (C9)	3.270	2228927	16.545 ug/ml
2) T n-Decane (C10)	4.335	2344400	17.207 ug/ml
3) T A~Naphthalene (C11.7)	5.912	2542268	17.156 ug/ml
4) T n-Dodecane (C12)	6.349	2360738	17.430 ug/ml
5) T A~2-methylnaphthalene...	6.966	2430098	17.208 ug/ml
6) T n-Tetradecane (C14)	8.141	2318564	17.664 ug/ml
7) T n-Hexadecane (C16)	9.739	2354911	17.826 ug/ml
8) T n-Octadecane (C18)	11.178	2371472	17.950 ug/ml
10) T n-Eicosane (C20)	12.485	2269993	17.990 ug/ml
11) T n-Heneicosane (C21)	13.096	2212168	17.925 ug/ml
13) T n-Docosane (C22)	13.681	2253524	18.404 ug/ml
14) T n-Tetracosane (C24)	14.781	2354797	19.427 ug/ml
15) T n-Hexacosane (C26)	15.801	2464814	20.703 ug/ml
16) T n-Octacosane (C28)	16.749	2605167	22.144 ug/ml
17) T n-Tricontane (C30)	17.634	2811564	23.261 ug/ml
18) T n-Dotriacontane (C32)	18.465	2827636	23.898 ug/ml
19) T n-Tetratriacontane (C34)	19.248	2384491	22.769 ug/ml
20) T n-Hexatriacontane (C36)	19.985	1902295	20.898 ug/ml
21) T n-Octatriacontane (C38)	20.706	1701011	19.642 ug/ml
22) T n-Tetracontane (C40)	21.587	1608931	18.926 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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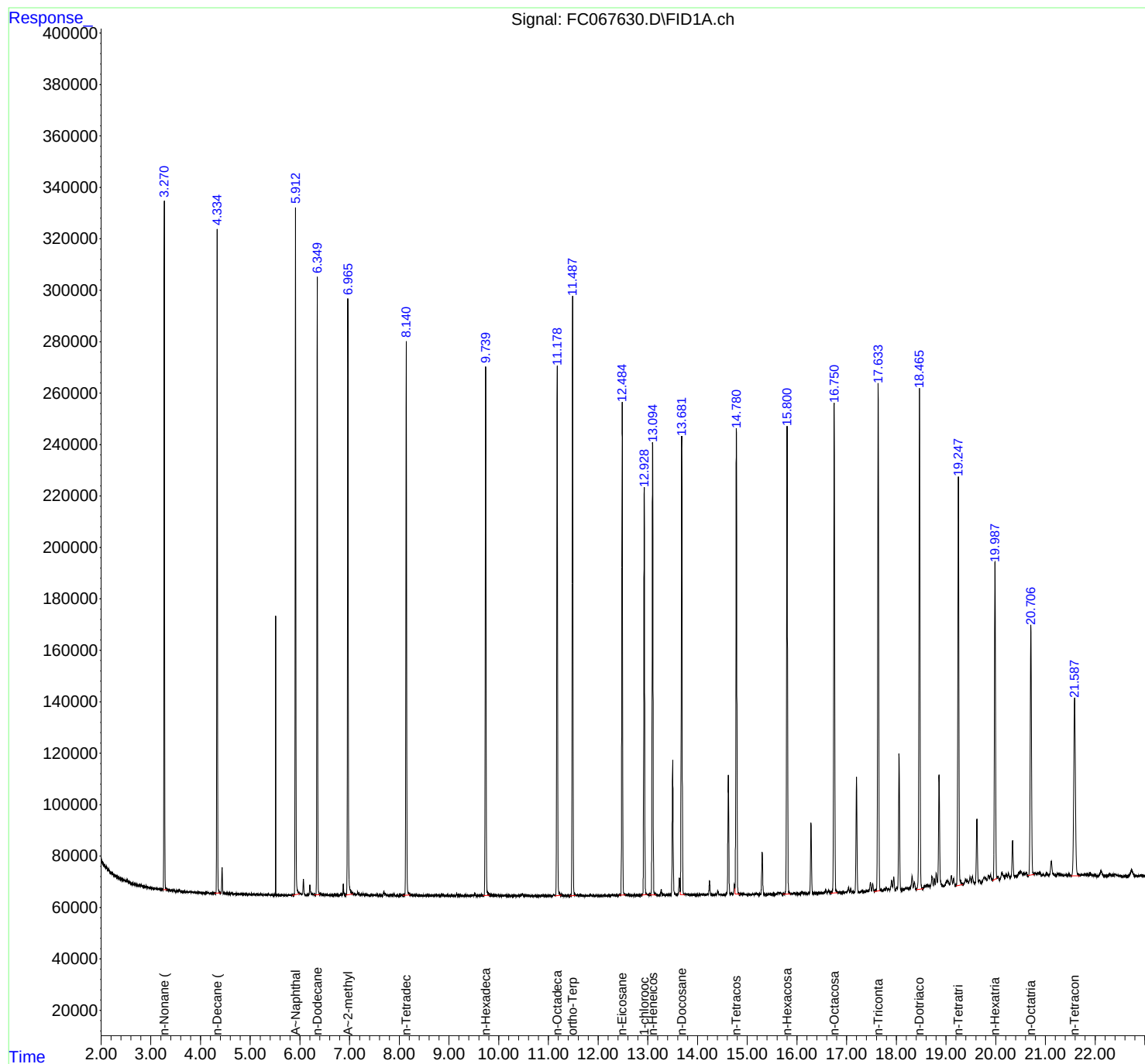
Instrument :
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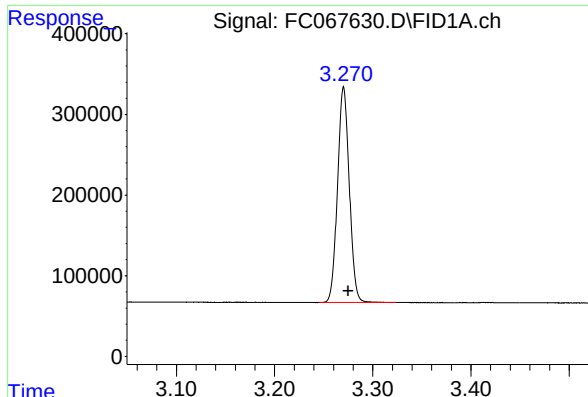
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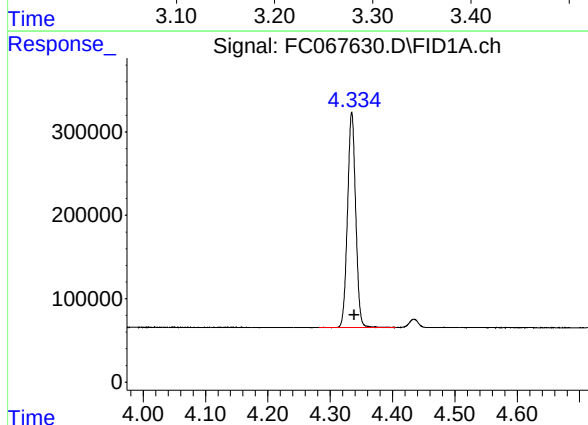
#1 n-Nonane (C9)

R.T.: 3.270 min
Delta R.T.: -0.005 min
Response: 2228927
Conc: 16.54 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

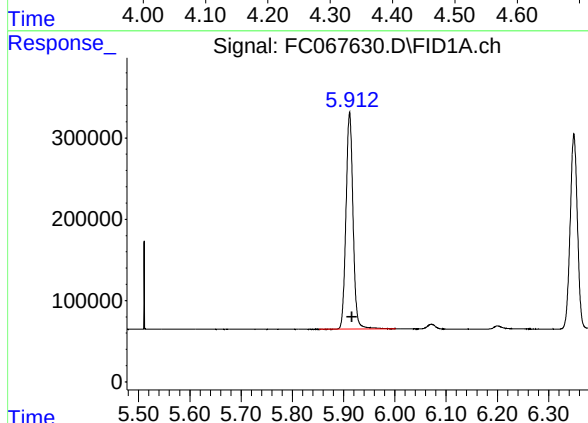
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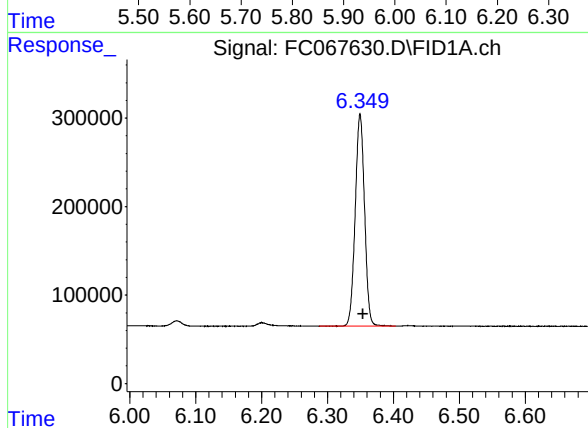
#2 n-Decane (C10)

R.T.: 4.335 min
Delta R.T.: -0.004 min
Response: 2344400
Conc: 17.21 ug/ml



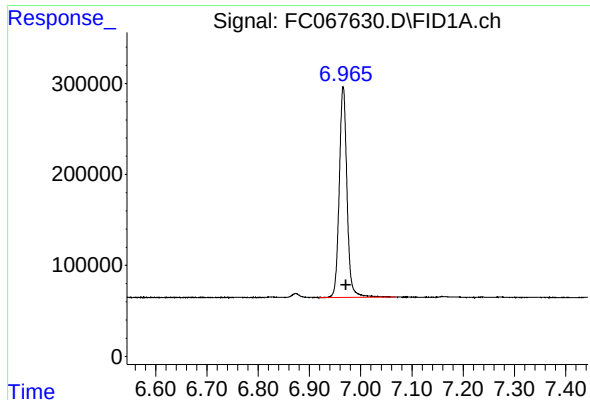
#3 A~Naphthalene (C11.7)

R.T.: 5.912 min
Delta R.T.: -0.005 min
Response: 2542268
Conc: 17.16 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.349 min
Delta R.T.: -0.004 min
Response: 2360738
Conc: 17.43 ug/ml



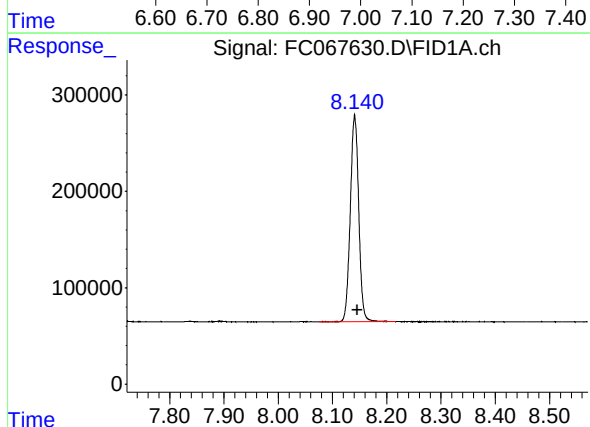
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.966 min
Delta R.T.: -0.005 min
Response: 2430098
Conc: 17.21 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

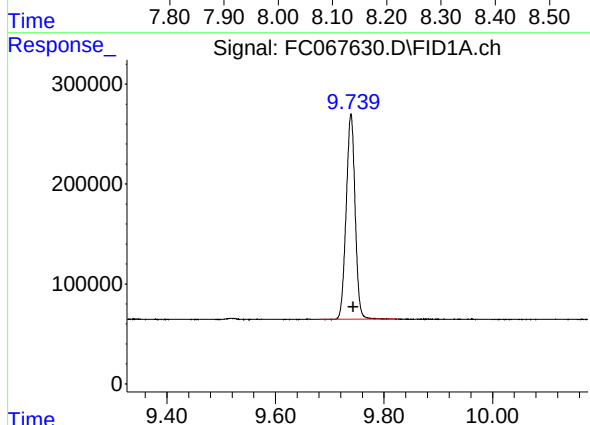
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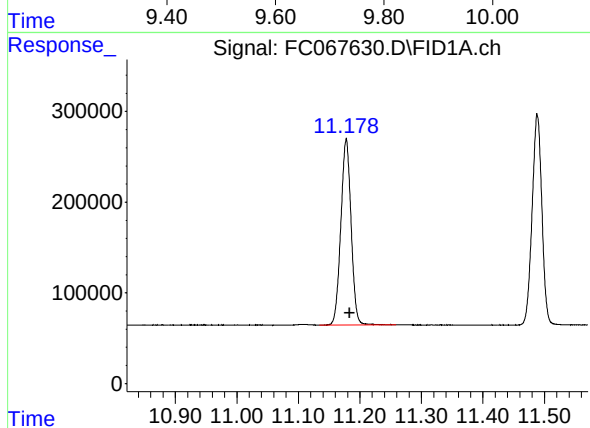
#6 n-Tetradecane (C14)

R.T.: 8.141 min
Delta R.T.: -0.005 min
Response: 2318564
Conc: 17.66 ug/ml



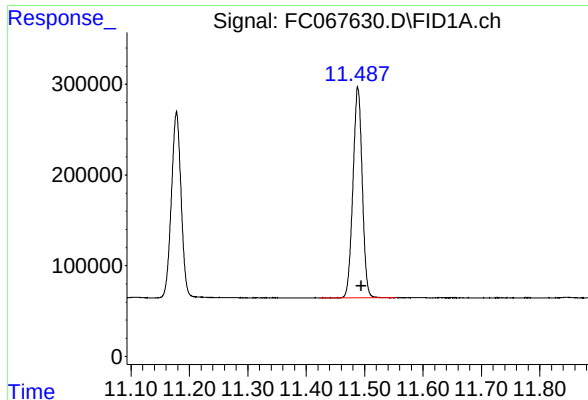
#7 n-Hexadecane (C16)

R.T.: 9.739 min
Delta R.T.: -0.005 min
Response: 2354911
Conc: 17.83 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.178 min
Delta R.T.: -0.006 min
Response: 2371472
Conc: 17.95 ug/ml



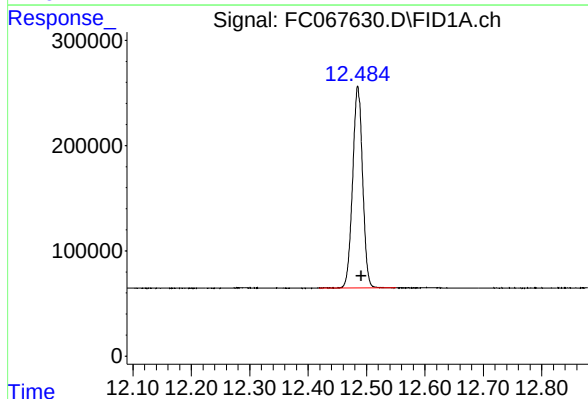
#9 ortho-Terphenyl (SURR)

R.T.: 11.489 min
Delta R.T.: -0.006 min
Response: 2562300
Conc: 17.46 ug/ml

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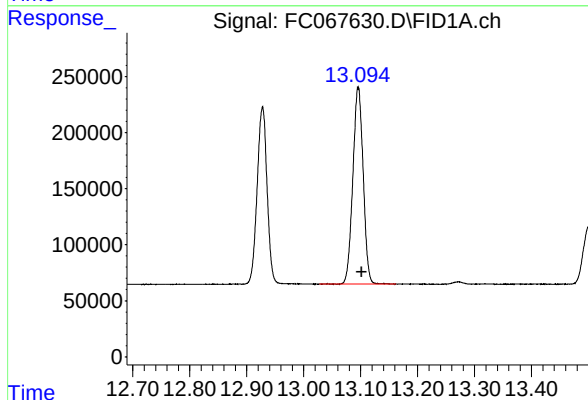
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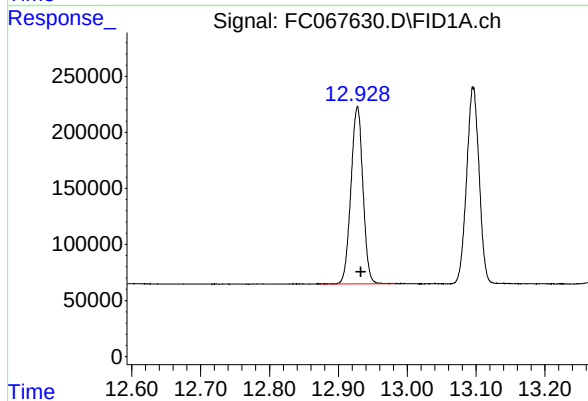
#10 n-Eicosane (C20)

R.T.: 12.485 min
Delta R.T.: -0.006 min
Response: 2269993
Conc: 17.99 ug/ml



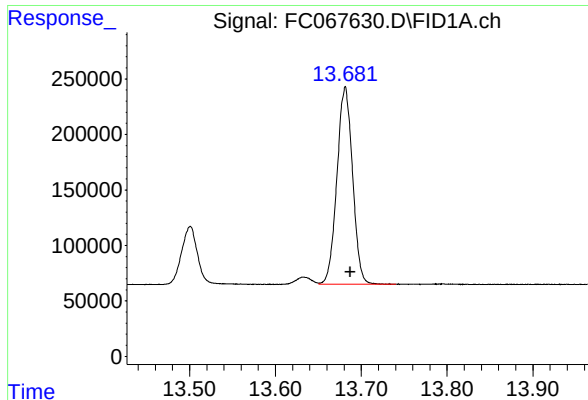
#11 n-Heneicosane (C21)

R.T.: 13.096 min
Delta R.T.: -0.006 min
Response: 2212168
Conc: 17.92 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.928 min
Delta R.T.: -0.005 min
Response: 1908552
Conc: 17.67 ug/ml



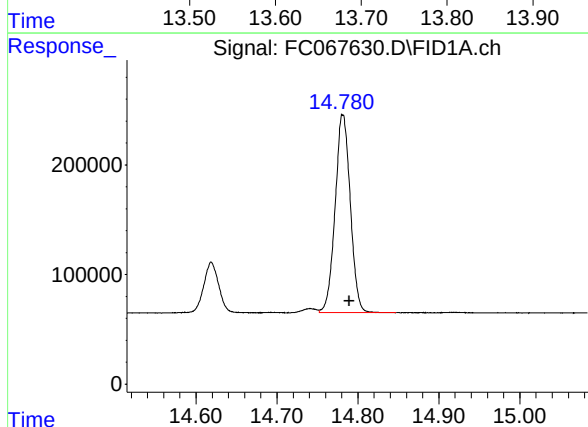
#13 n-Docosane (C22)

R.T.: 13.681 min
Delta R.T.: -0.006 min
Response: 2253524
Conc: 18.40 ug/ml

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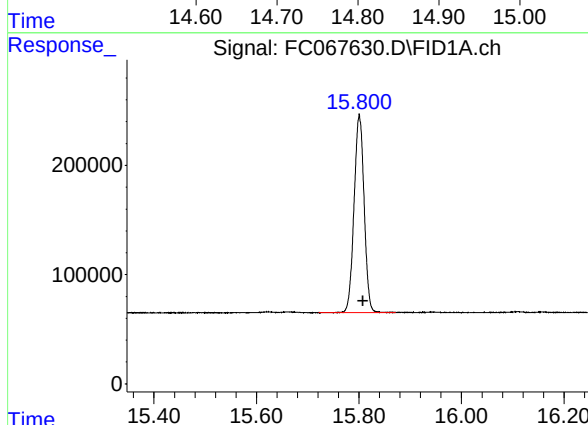
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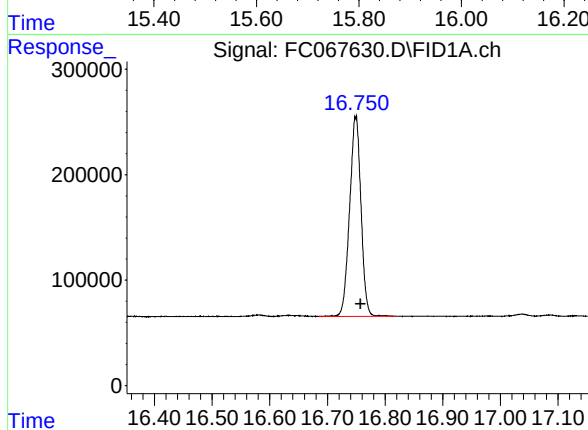
#14 n-Tetracosane (C24)

R.T.: 14.781 min
Delta R.T.: -0.008 min
Response: 2354797
Conc: 19.43 ug/ml



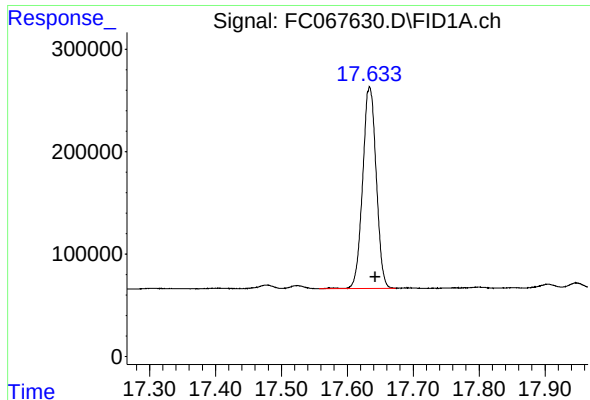
#15 n-Hexacosane (C26)

R.T.: 15.801 min
Delta R.T.: -0.007 min
Response: 2464814
Conc: 20.70 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.749 min
Delta R.T.: -0.009 min
Response: 2605167
Conc: 22.14 ug/ml



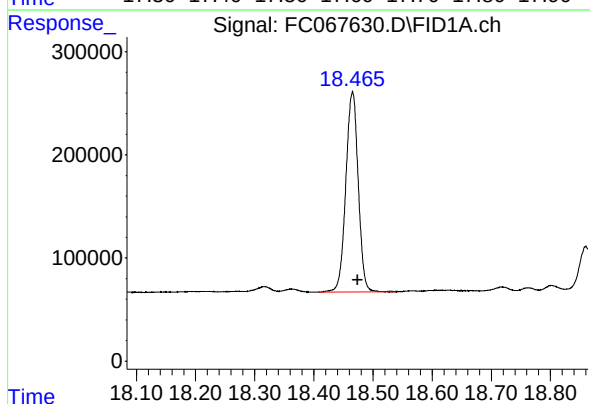
#17 n-Tricontane (C30)

R.T.: 17.634 min
Delta R.T.: -0.009 min
Response: 2811564
Conc: 23.26 ug/ml

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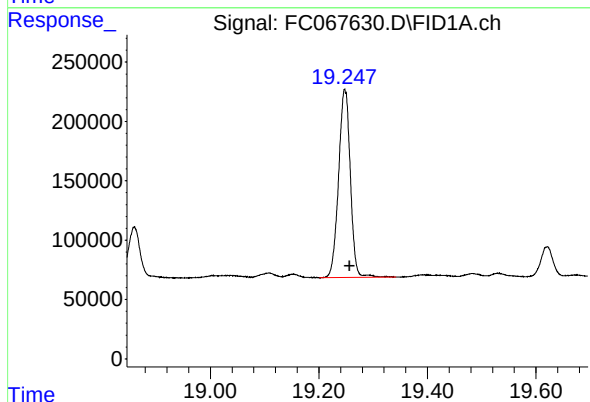
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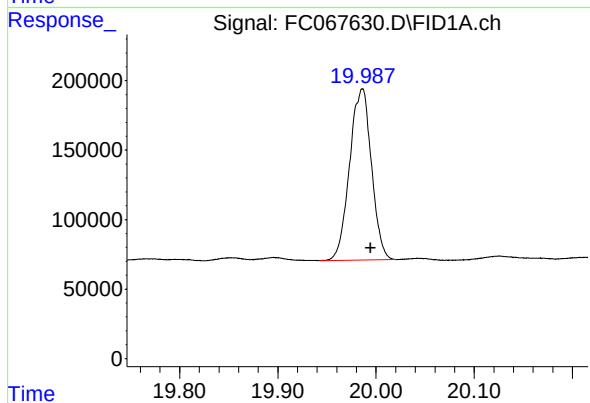
#18 n-Dotriacontane (C32)

R.T.: 18.465 min
Delta R.T.: -0.009 min
Response: 2827636
Conc: 23.90 ug/ml



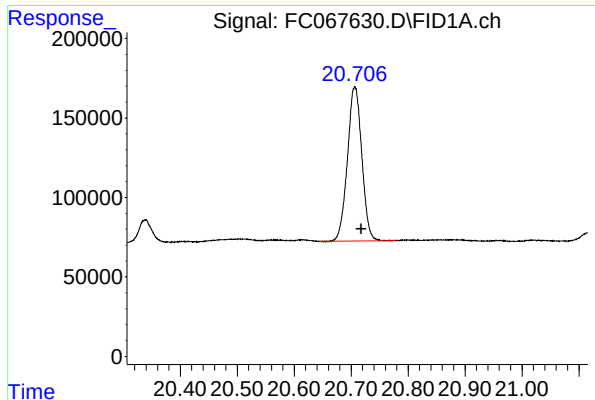
#19 n-Tetratriacontane (C34)

R.T.: 19.248 min
Delta R.T.: -0.008 min
Response: 2384491
Conc: 22.77 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.985 min
Delta R.T.: -0.009 min
Response: 1902295
Conc: 20.90 ug/ml



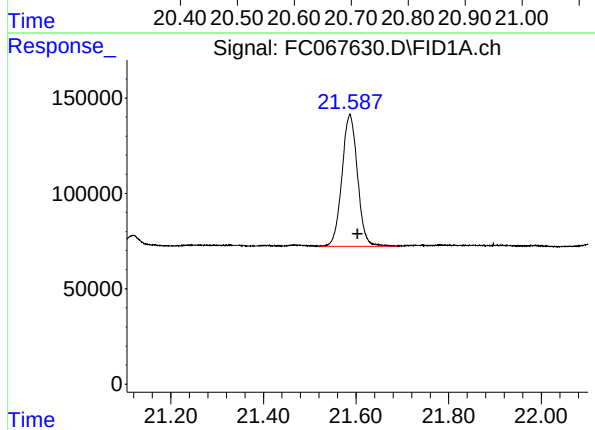
#21 n-Octatriacontane (C38)

R.T.: 20.706 min
Delta R.T.: -0.012 min
Response: 1701011
Conc: 19.64 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.587 min
Delta R.T.: -0.017 min
Response: 1608931
Conc: 18.93 ug/ml m