

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE121724AL\
 Data File : FE051673.D
 Signal(s) : FID1B.ch
 Acq On : 17 Dec 2024 16:10
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/18/2024
 Supervised By :Ankita Jodhani 12/18/2024

Integration File: autoint1.e
 Quant Time: Dec 17 16:33:13 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 121724.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 17 15:04:25 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)	12.011	3150211	19.622 ug/ml
Spiked Amount 50.000		Recovery =	39.24%
12) S 1-chlorooctadecane (S...	13.431	2445860	19.389 ug/ml
Spiked Amount 50.000		Recovery =	38.78%
Target Compounds			
1) T n-Nonane (C9)	3.487	2413222	20.140 ug/ml
2) T n-Decane (C10)	4.718	2505034	20.148 ug/ml
3) T A~Naphthalene (C11.7)	6.404	2867756	20.124 ug/ml
4) T n-Dodecane (C12)	6.852	2614557	20.094 ug/ml
5) T A~2-methylnaphthalene...	7.486	2831856	20.010 ug/ml
6) T n-Tetradecane (C14)	8.663	2669724	19.911 ug/ml
7) T n-Hexadecane (C16)	10.257	2824727	19.766 ug/ml
8) T n-Octadecane (C18)	11.689	2898302	19.661 ug/ml
10) T n-Eicosane (C20)	12.989	2819662	19.599 ug/ml
11) T n-Heneicosane (C21)	13.596	2776373	19.537 ug/ml
13) T n-Docosane (C22)	14.178	2763454	19.601 ug/ml
14) T n-Tetracosane (C24)	15.272	2768260	19.841 ug/ml
15) T n-Hexacosane (C26)	16.287	2675771	19.859 ug/ml
16) T n-Octacosane (C28)	17.229	2588535	19.898 ug/ml
17) T n-Tricontane (C30)	18.110	2597126	19.624 ug/ml
18) T n-Dotriacontane (C32)	18.936	2464807	19.661 ug/ml
19) T n-Tetratriacontane (C34)	19.713	2125532	19.319 ug/ml
20) T n-Hexatriacontane (C36)	20.448	1922905	20.028 ug/mlm
21) T n-Octatriacontane (C38)	21.185	1788195	19.859 ug/ml
22) T n-Tetracontane (C40)	22.109	1736223	17.788 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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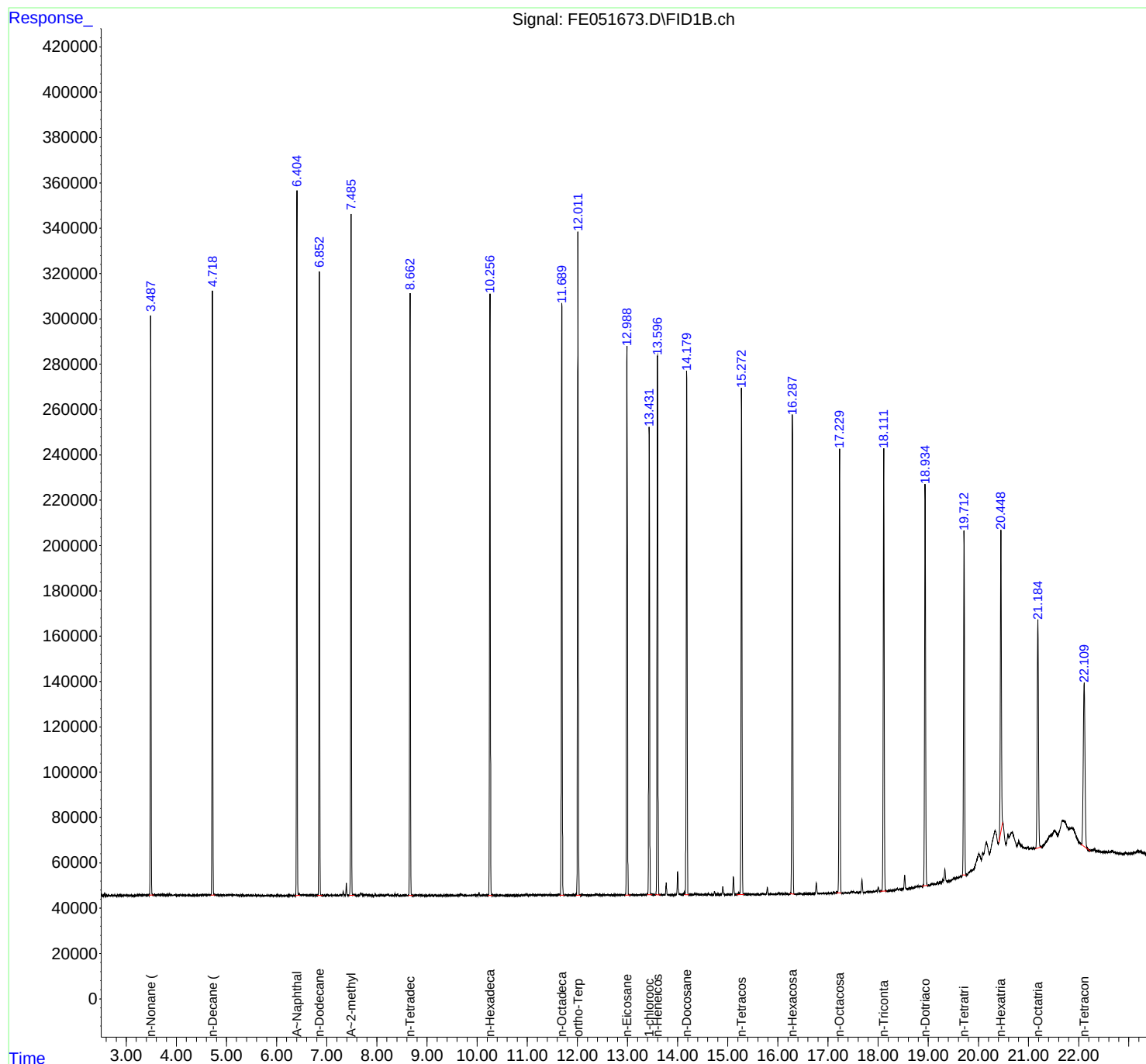
Instrument :
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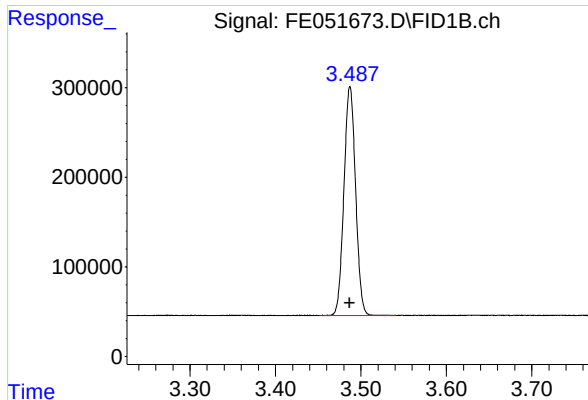
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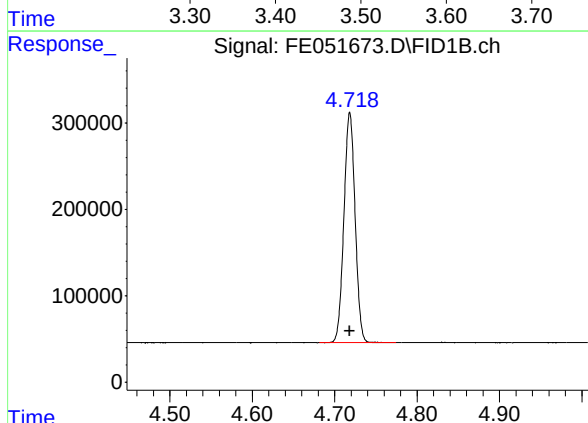
#1 n-Nonane (C9)

R.T.: 3.487 min
Delta R.T.: 0.000 min
Response: 2413222
Conc: 20.14 ug/ml

Instrument : FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

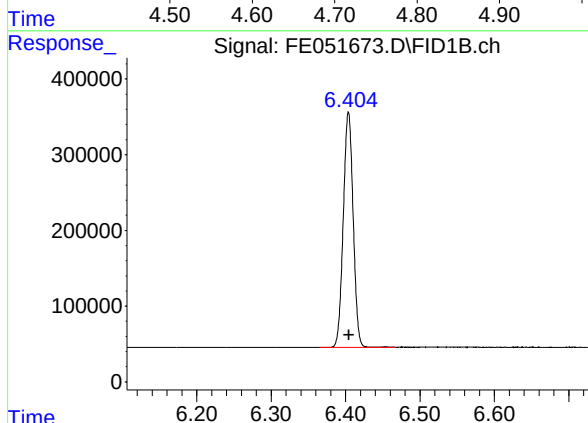
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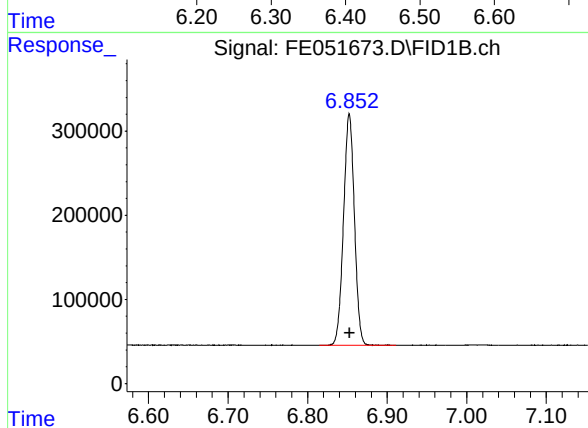
#2 n-Decane (C10)

R.T.: 4.718 min
Delta R.T.: 0.000 min
Response: 2505034
Conc: 20.15 ug/ml



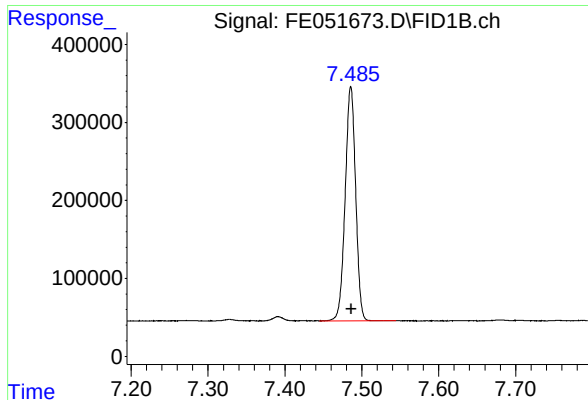
#3 A~Naphthalene (C11.7)

R.T.: 6.404 min
Delta R.T.: 0.000 min
Response: 2867756
Conc: 20.12 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.852 min
Delta R.T.: 0.000 min
Response: 2614557
Conc: 20.09 ug/ml



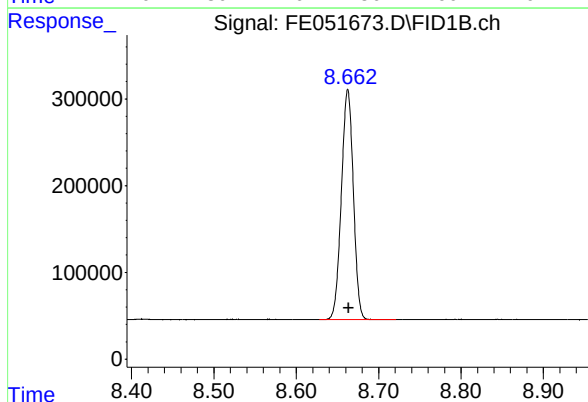
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.486 min
Delta R.T.: 0.000 min
Response: 2831856
Conc: 20.01 ug/ml

Instrument :
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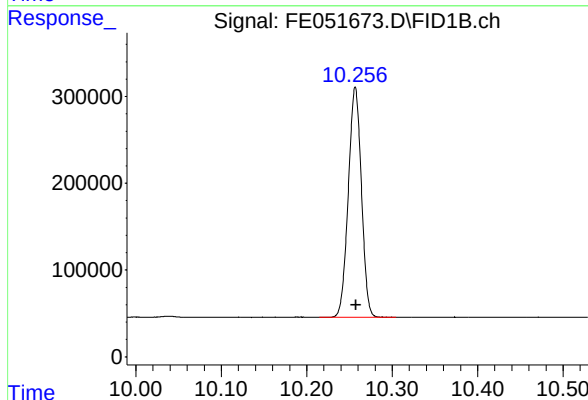
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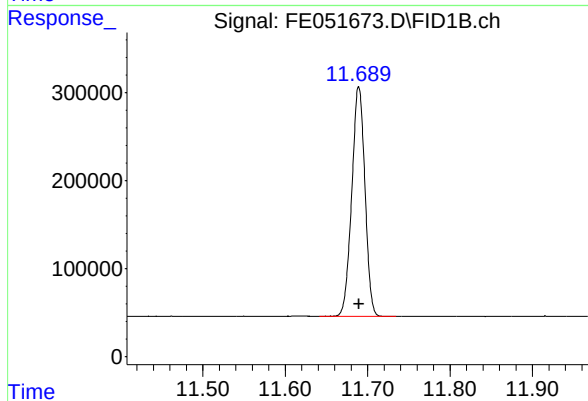
#6 n-Tetradecane (C14)

R.T.: 8.663 min
Delta R.T.: 0.000 min
Response: 2669724
Conc: 19.91 ug/ml



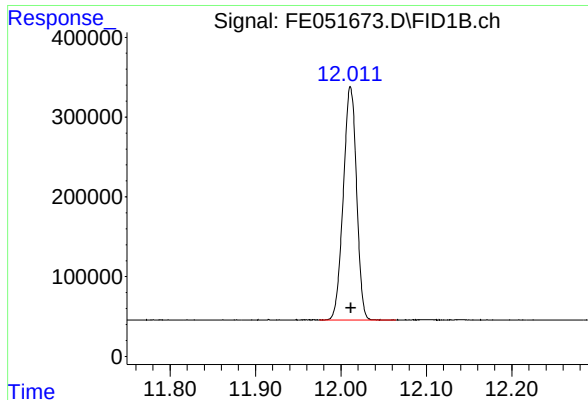
#7 n-Hexadecane (C16)

R.T.: 10.257 min
Delta R.T.: 0.000 min
Response: 2824727
Conc: 19.77 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.689 min
Delta R.T.: 0.000 min
Response: 2898302
Conc: 19.66 ug/ml



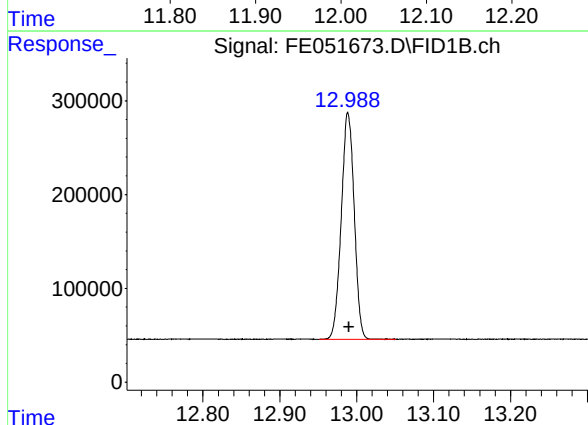
#9 ortho-Terphenyl (SURR)

R.T.: 12.011 min
Delta R.T.: 0.000 min
Response: 3150211
Conc: 19.62 ug/ml

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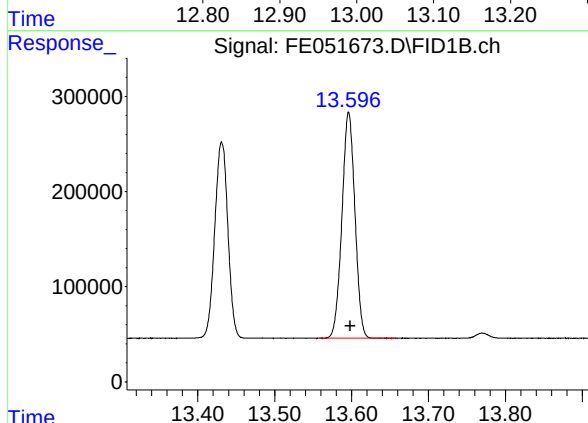
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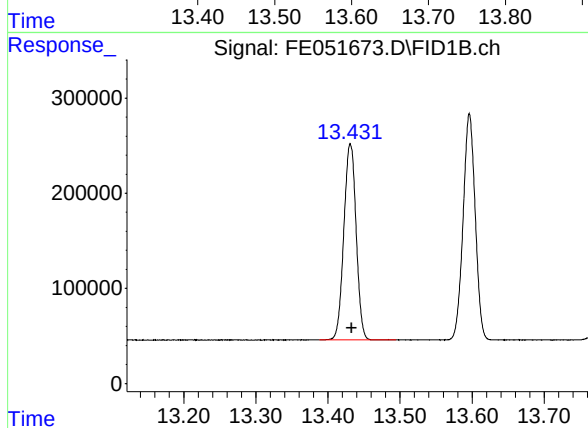
#10 n-Eicosane (C20)

R.T.: 12.989 min
Delta R.T.: -0.001 min
Response: 2819662
Conc: 19.60 ug/ml



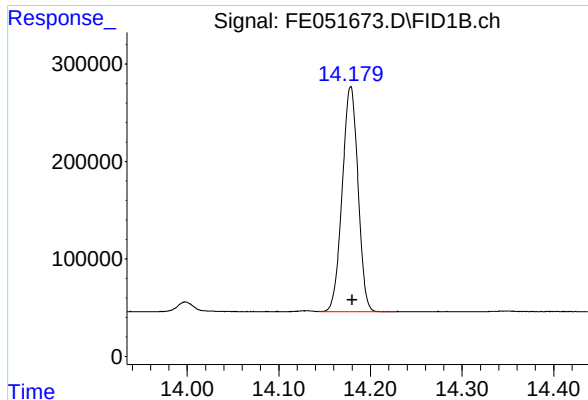
#11 n-Heneicosane (C21)

R.T.: 13.596 min
Delta R.T.: -0.002 min
Response: 2776373
Conc: 19.54 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.431 min
Delta R.T.: -0.002 min
Response: 2445860
Conc: 19.39 ug/ml



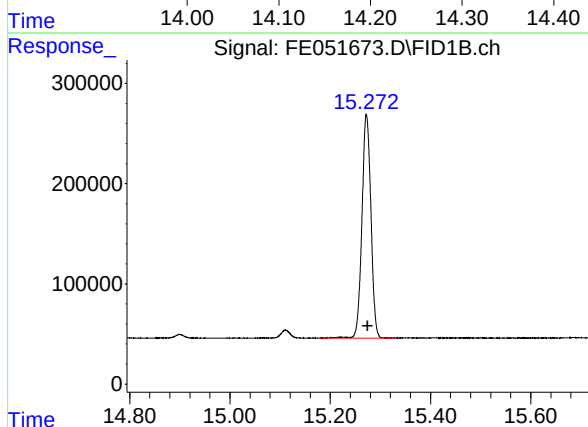
#13 n-Docosane (C22)

R.T.: 14.178 min
Delta R.T.: -0.002 min
Response: 2763454
Conc: 19.60 ug/ml

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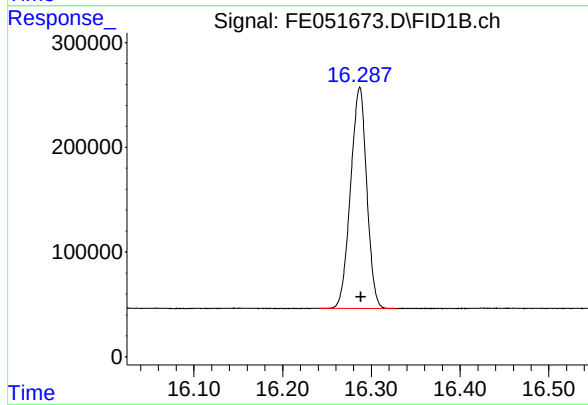
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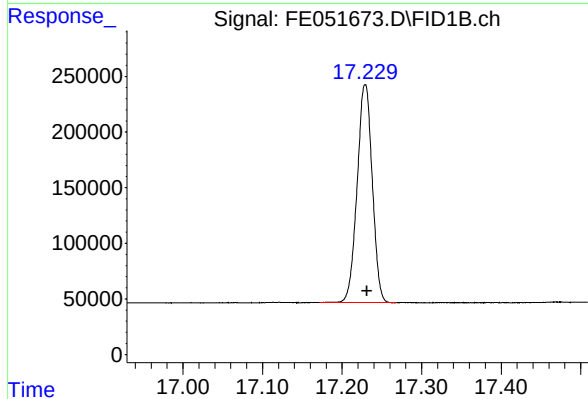
#14 n-Tetracosane (C24)

R.T.: 15.272 min
Delta R.T.: -0.002 min
Response: 2768260
Conc: 19.84 ug/ml



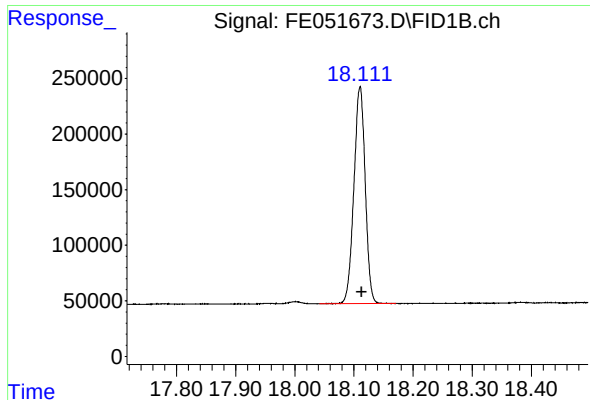
#15 n-Hexacosane (C26)

R.T.: 16.287 min
Delta R.T.: -0.002 min
Response: 2675771
Conc: 19.86 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.229 min
Delta R.T.: -0.002 min
Response: 2588535
Conc: 19.90 ug/ml



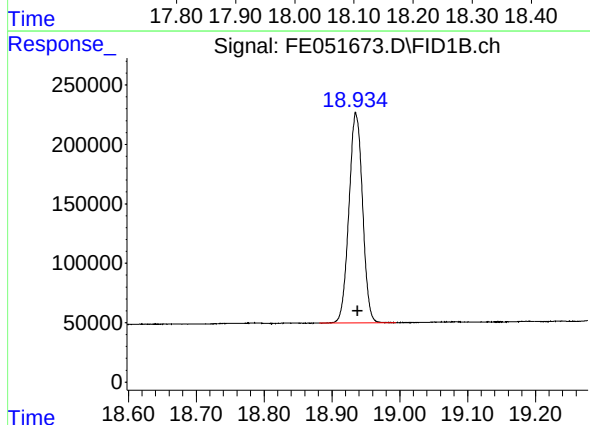
#17 n-Tricontane (C30)

R.T.: 18.110 min
Delta R.T.: -0.003 min
Response: 2597126
Conc: 19.62 ug/ml

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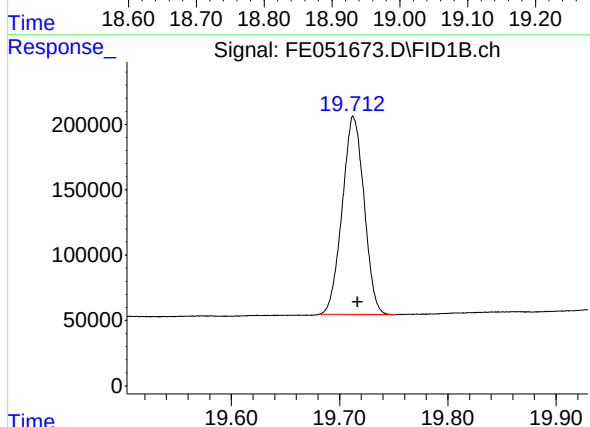
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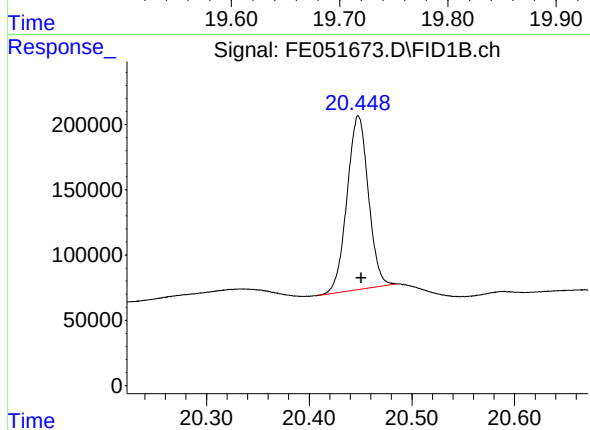
#18 n-Dotriacontane (C32)

R.T.: 18.936 min
Delta R.T.: -0.003 min
Response: 2464807
Conc: 19.66 ug/ml



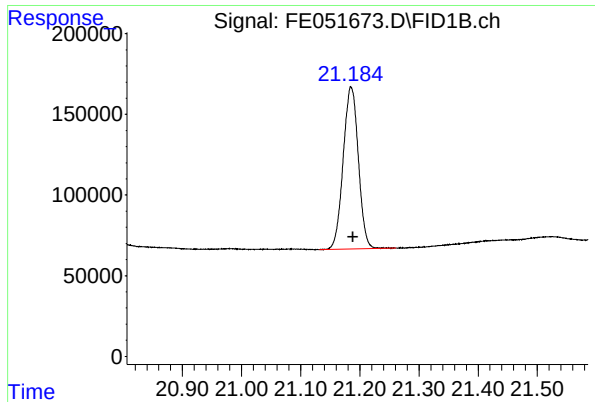
#19 n-Tetratriacontane (C34)

R.T.: 19.713 min
Delta R.T.: -0.004 min
Response: 2125532
Conc: 19.32 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.448 min
Delta R.T.: -0.003 min
Response: 1922905
Conc: 20.03 ug/ml m



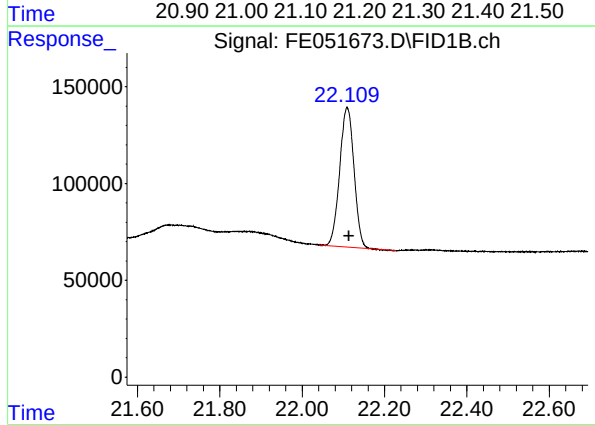
#21 n-Octatriacontane (C38)

R.T.: 21.185 min
Delta R.T.: -0.003 min
Response: 1788195
Conc: 19.86 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.109 min
Delta R.T.: -0.004 min
Response: 1736223
Conc: 17.79 ug/ml