

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101223AL\
 Data File : FE044828.D
 Signal(s) : FID1B.ch
 Acq On : 12 Oct 2023 21:36
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/13/2023
 Supervised By :Ankita Jodhani 10/13/2023

Integration File: autoint1.e
 Quant Time: Oct 13 01:15:35 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101123.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 12 06:15:32 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)	11.909	3555000	17.734 ug/ml
Spiked Amount 50.000		Recovery =	35.47%
12) S 1-chlorooctadecane (S...	13.350	2610308	17.639 ug/ml
Spiked Amount 50.000		Recovery =	35.28%
Target Compounds			
1) T n-Nonane (C9)	3.291	3001331	17.891 ug/ml
2) T n-Decane (C10)	4.543	3038626	17.838 ug/ml
3) T A~Naphthalene (C11.7)	6.244	3325919	17.966 ug/ml
4) T n-Dodecane (C12)	6.709	3070816	17.789 ug/ml
5) T A~2-methylnaphthalene...	7.340	3227324	17.891 ug/ml
6) T n-Tetradecane (C14)	8.536	3045726	17.762 ug/ml
7) T n-Hexadecane (C16)	10.147	3096971	17.710 ug/ml
8) T n-Octadecane (C18)	11.593	3089861	17.716 ug/ml
10) T n-Eicosane (C20)	12.906	2941825	17.613 ug/ml
11) T n-Heneicosane (C21)	13.519	2872137	17.619 ug/ml
13) T n-Docosane (C22)	14.106	2823510	17.652 ug/ml
14) T n-Tetracosane (C24)	15.211	2735677	17.627 ug/ml
15) T n-Hexacosane (C26)	16.234	2648926	17.644 ug/ml
16) T n-Octacosane (C28)	17.185	2602148	17.721 ug/ml
17) T n-Tricontane (C30)	18.075	2641635	17.761 ug/ml
18) T n-Dotriacontane (C32)	18.908	2865142	19.089 ug/ml
19) T n-Tetratriacontane (C34)	19.694	2699561	18.134 ug/mlm
20) T n-Hexatriacontane (C36)	20.436	2765534	17.988 ug/ml
21) T n-Octatriacontane (C38)	21.176	2913795	18.653 ug/mlm
22) T n-Tetracontane (C40)	22.093	3287742	19.673 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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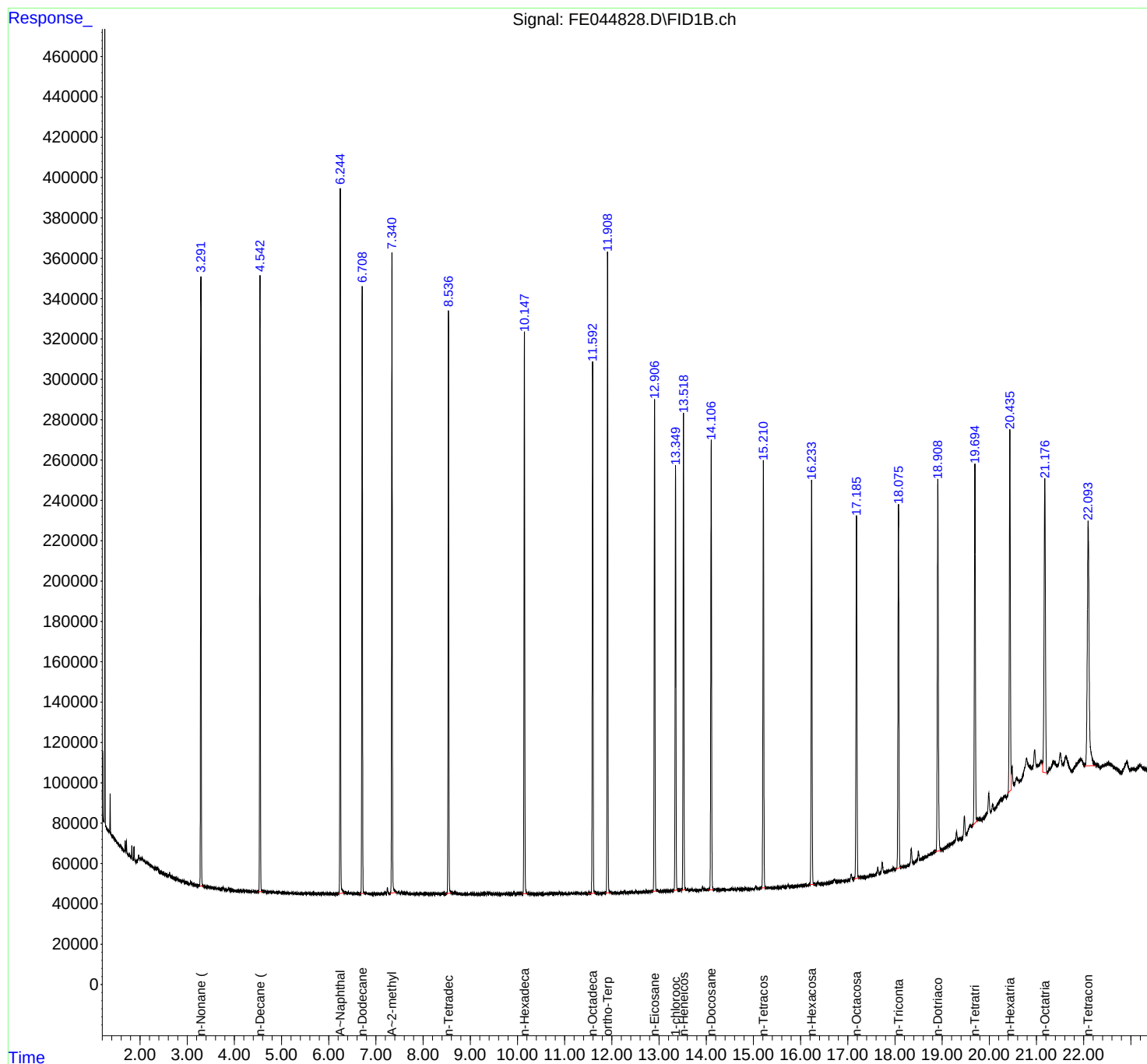
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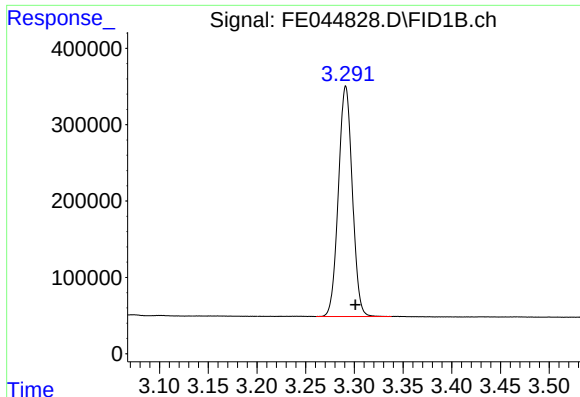
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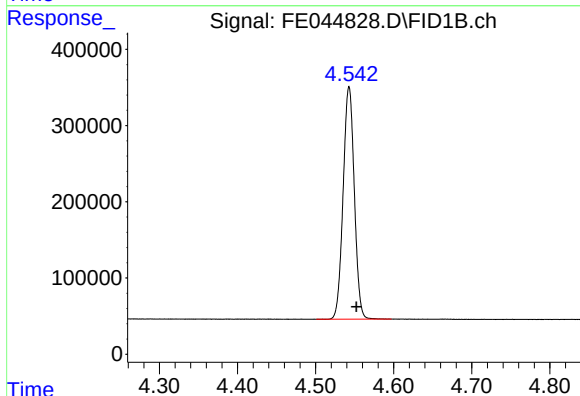
#1 n-Nonane (C9)

R.T.: 3.291 min
Delta R.T.: -0.010 min
Response: 3001331
Conc: 17.89 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

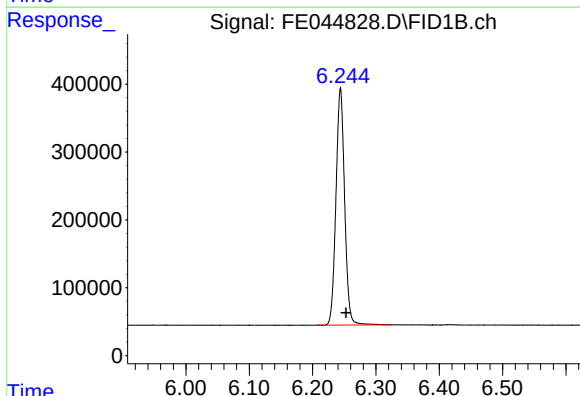
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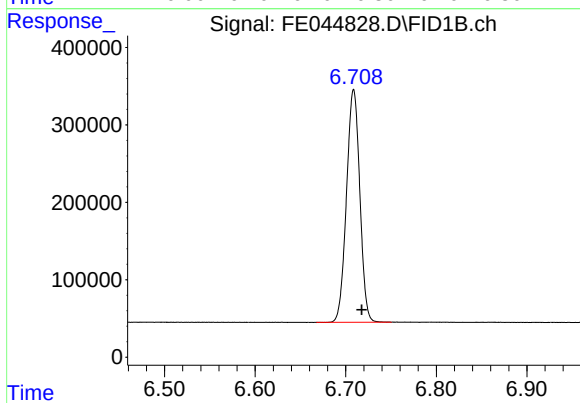
#2 n-Decane (C10)

R.T.: 4.543 min
Delta R.T.: -0.009 min
Response: 3038626
Conc: 17.84 ug/ml



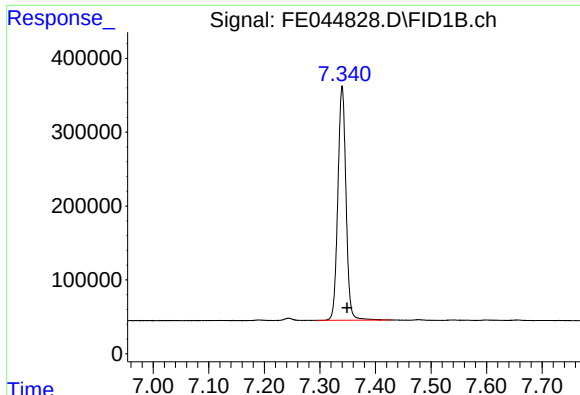
#3 A~Naphthalene (C11.7)

R.T.: 6.244 min
Delta R.T.: -0.009 min
Response: 3325919
Conc: 17.97 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.709 min
Delta R.T.: -0.009 min
Response: 3070816
Conc: 17.79 ug/ml



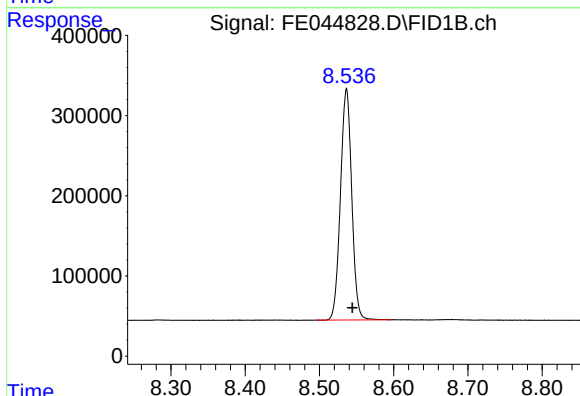
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.340 min
Delta R.T.: -0.009 min
Response: 3227324
Conc: 17.89 ug/ml

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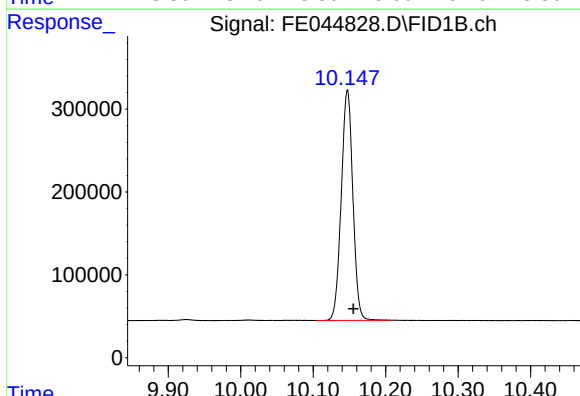
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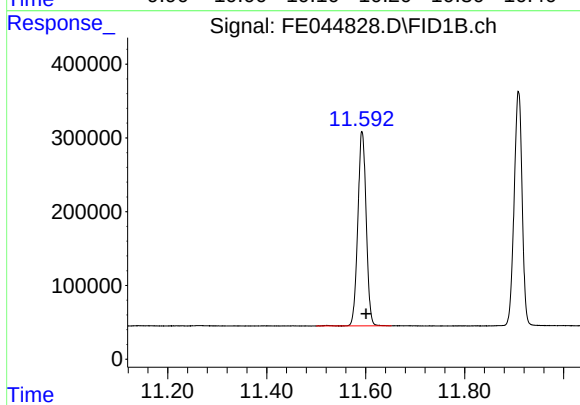
#6 n-Tetradecane (C14)

R.T.: 8.536 min
Delta R.T.: -0.008 min
Response: 3045726
Conc: 17.76 ug/ml



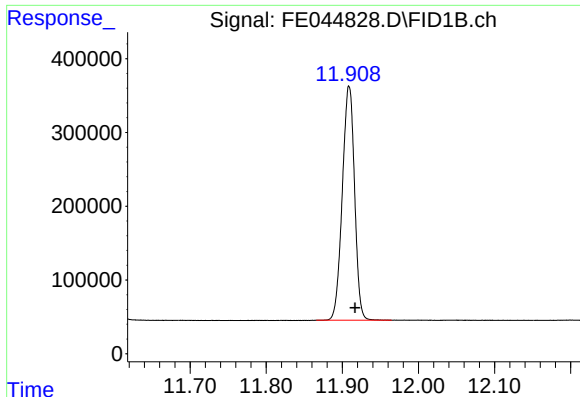
#7 n-Hexadecane (C16)

R.T.: 10.147 min
Delta R.T.: -0.008 min
Response: 3096971
Conc: 17.71 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.593 min
Delta R.T.: -0.008 min
Response: 3089861
Conc: 17.72 ug/ml



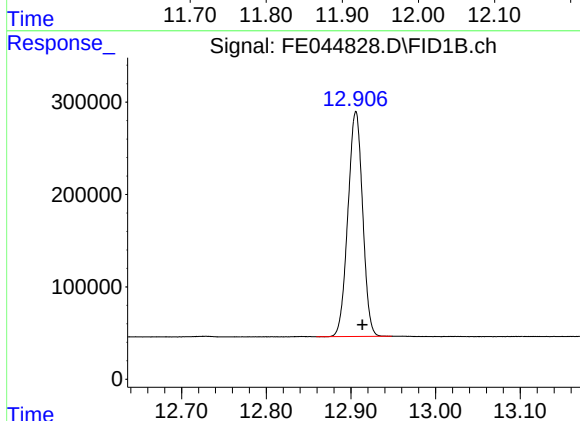
#9 ortho-Terphenyl (SURR)

R.T.: 11.909 min
Delta R.T.: -0.008 min
Response: 3555000
Conc: 17.73 ug/ml

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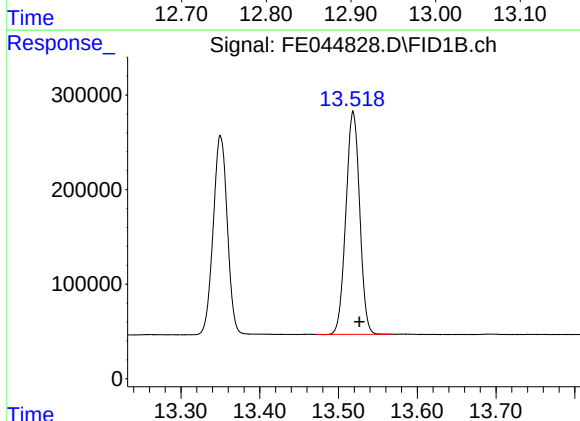
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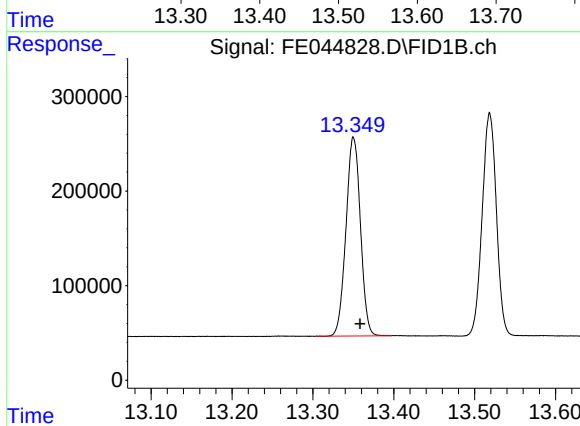
#10 n-Eicosane (C20)

R.T.: 12.906 min
Delta R.T.: -0.008 min
Response: 2941825
Conc: 17.61 ug/ml



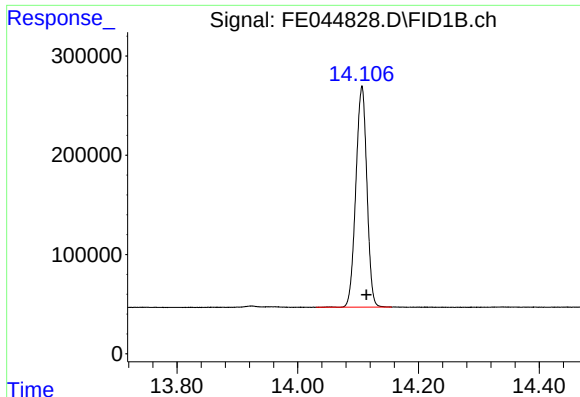
#11 n-Heneicosane (C21)

R.T.: 13.519 min
Delta R.T.: -0.008 min
Response: 2872137
Conc: 17.62 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.350 min
Delta R.T.: -0.008 min
Response: 2610308
Conc: 17.64 ug/ml



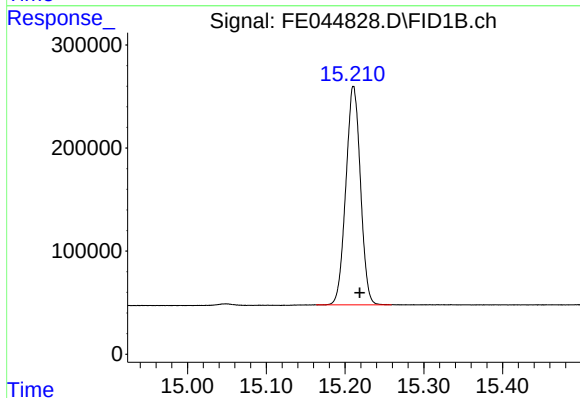
#13 n-Docosane (C22)

R.T.: 14.106 min
Delta R.T.: -0.007 min
Response: 2823510
Conc: 17.65 ug/ml

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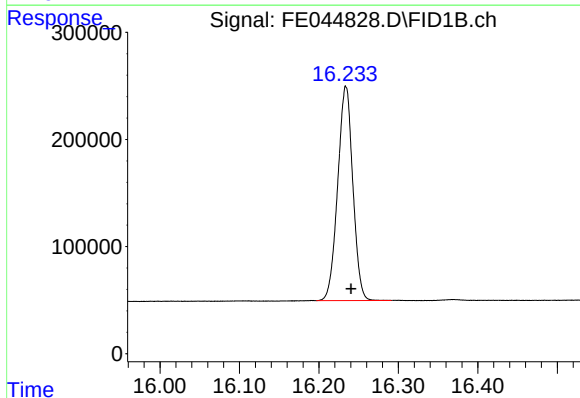
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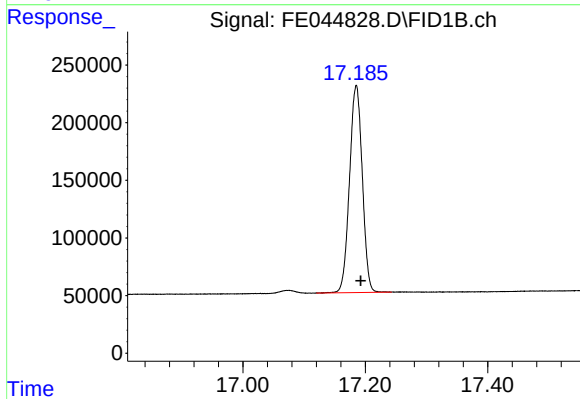
#14 n-Tetracosane (C24)

R.T.: 15.211 min
Delta R.T.: -0.008 min
Response: 2735677
Conc: 17.63 ug/ml



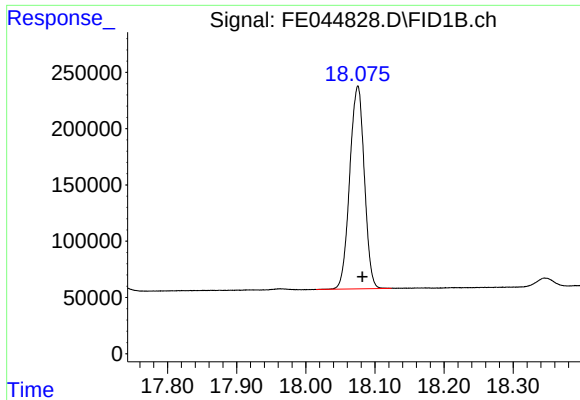
#15 n-Hexacosane (C26)

R.T.: 16.234 min
Delta R.T.: -0.006 min
Response: 2648926
Conc: 17.64 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.185 min
Delta R.T.: -0.007 min
Response: 2602148
Conc: 17.72 ug/ml



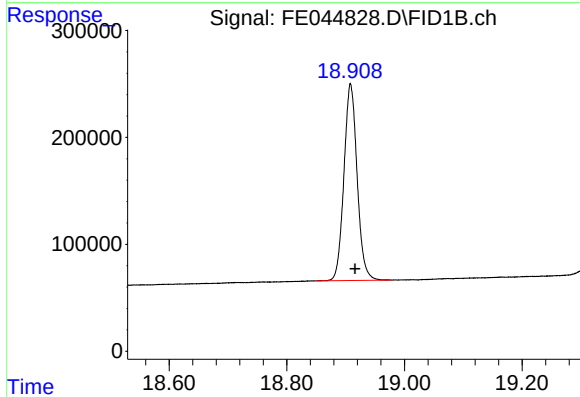
#17 n-Tricontane (C30)

R.T.: 18.075 min
Delta R.T.: -0.006 min
Response: 2641635
Conc: 17.76 ug/ml

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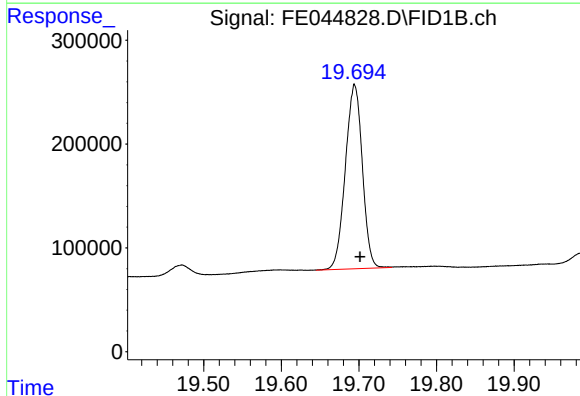
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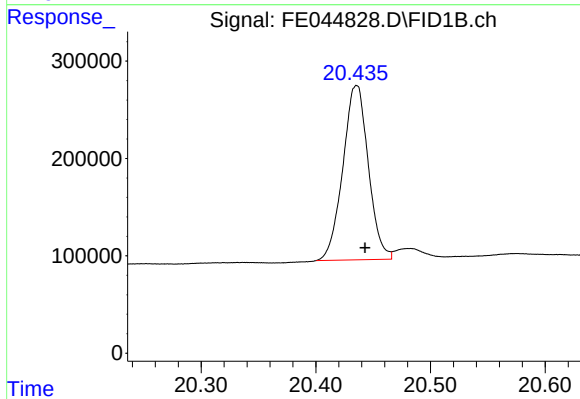
#18 n-Dotriacontane (C32)

R.T.: 18.908 min
Delta R.T.: -0.008 min
Response: 2865142
Conc: 19.09 ug/ml



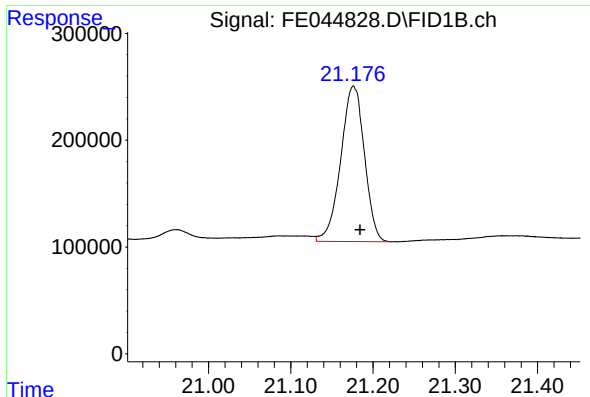
#19 n-Tetratriacontane (C34)

R.T.: 19.694 min
Delta R.T.: -0.008 min
Response: 2699561
Conc: 18.13 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.436 min
Delta R.T.: -0.007 min
Response: 2765534
Conc: 17.99 ug/ml



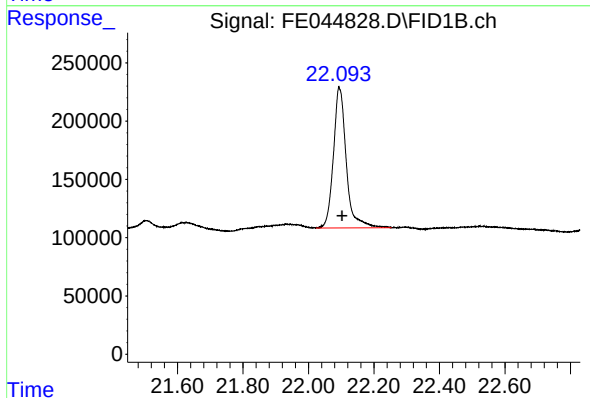
#21 n-Octatriacontane (C38)

R.T.: 21.176 min
Delta R.T.: -0.008 min
Response: 2913795
Conc: 18.65 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.093 min
Delta R.T.: -0.011 min
Response: 3287742
Conc: 19.67 ug/ml m