

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061423AL\
 Data File : FE042608.D
 Signal(s) : FID1B.ch
 Acq On : 14 Jun 2023 12:25
 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 06/15/2023
 Supervised By :Ankita Jodhani 06/15/2023

Integration File: autoint1.e
 Quant Time: Jun 15 01:25:37 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051823.M
 Quant Title : GC Extractables
 QLast Update : Thu May 18 06:27:12 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)	11.940	3538603	20.040 ug/ml
Spiked Amount 50.000		Recovery =	40.08%
12) S 1-chlorooctadecane (S...	13.376	2631425	19.803 ug/ml
Spiked Amount 50.000		Recovery =	39.61%
Target Compounds			
1) T n-Nonane (C9)	3.319	2934472	20.350 ug/ml
2) T n-Decane (C10)	4.571	3074030	20.765 ug/ml
3) T A~Naphthalene (C11.7)	6.279	3313108	20.306 ug/ml
4) T n-Dodecane (C12)	6.739	3111961	20.753 ug/ml
5) T A~2-methylnaphthalene...	7.376	3166387	19.952 ug/ml
6) T n-Tetradecane (C14)	8.568	3100970	20.700 ug/ml
7) T n-Hexadecane (C16)	10.177	3219546	20.669 ug/ml
8) T n-Octadecane (C18)	11.620	3245055	20.521 ug/ml
10) T n-Eicosane (C20)	12.930	3085797	20.357 ug/ml
11) T n-Heneicosane (C21)	13.542	2999441	20.246 ug/ml
13) T n-Docosane (C22)	14.128	2977536	20.311 ug/ml
14) T n-Tetracosane (C24)	15.231	2952399	20.452 ug/ml
15) T n-Hexacosane (C26)	16.253	2880895	20.801 ug/ml
16) T n-Octacosane (C28)	17.203	2953134	22.058 ug/ml
17) T n-Tricontane (C30)	18.091	3268881	24.215 ug/ml
18) T n-Dotriacontane (C32)	18.926	3355450	25.117 ug/ml
19) T n-Tetratriacontane (C34)	19.709	3143205	23.901 ug/ml
20) T n-Hexatriacontane (C36)	20.449	2978021	22.913 ug/ml
21) T n-Octatriacontane (C38)	21.195	2972926	21.912 ug/mlm
22) T n-Tetracontane (C40)	22.122	2995143	21.529 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

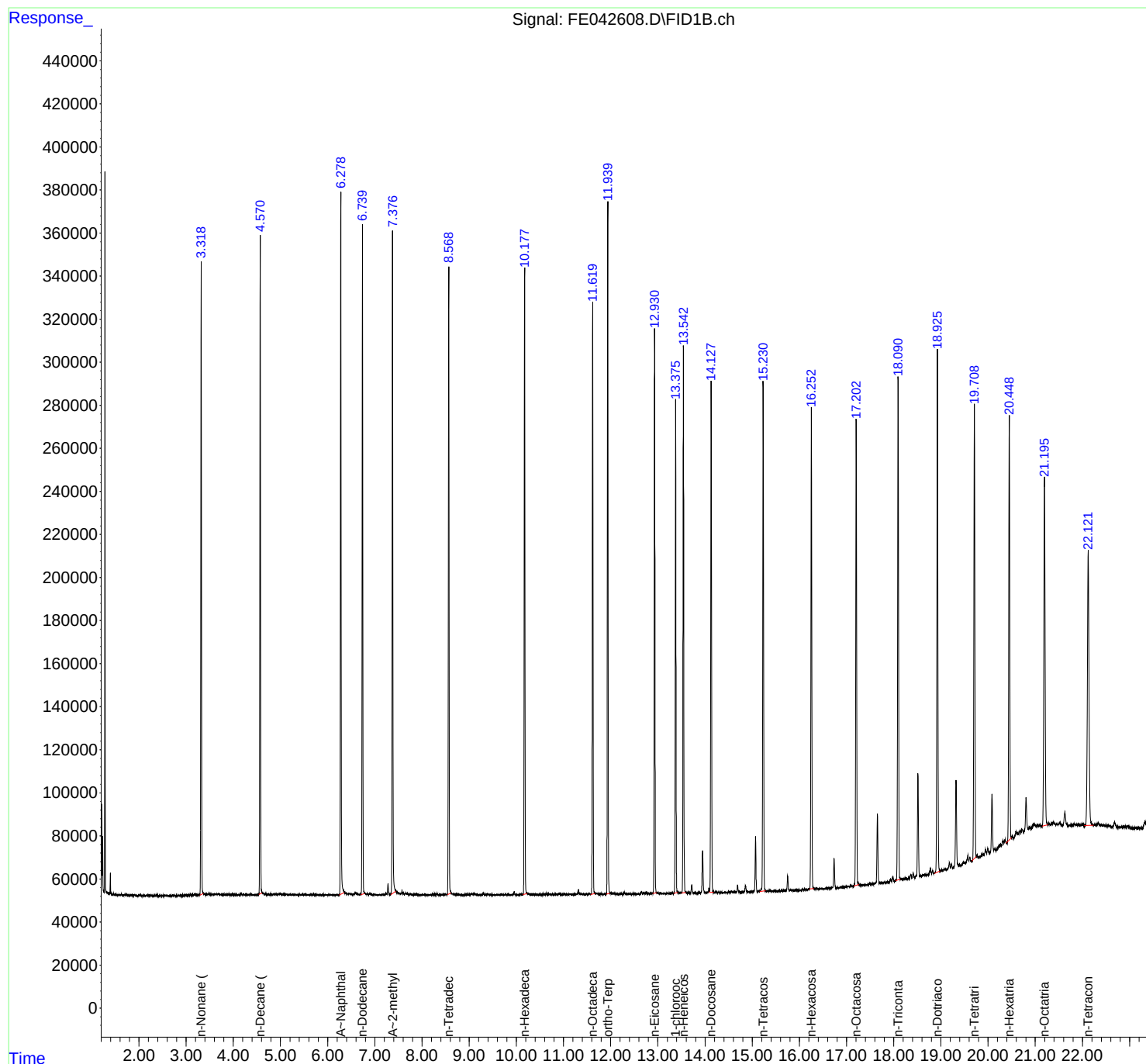
Instrument :
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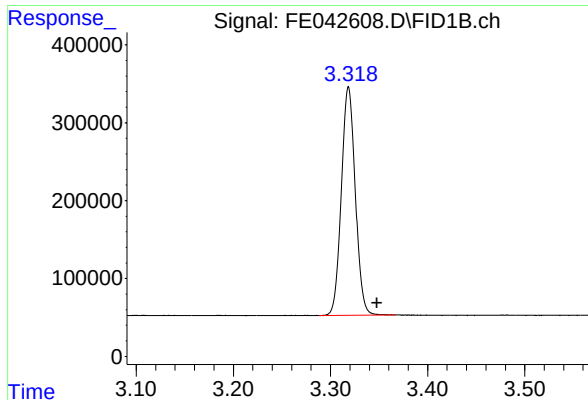
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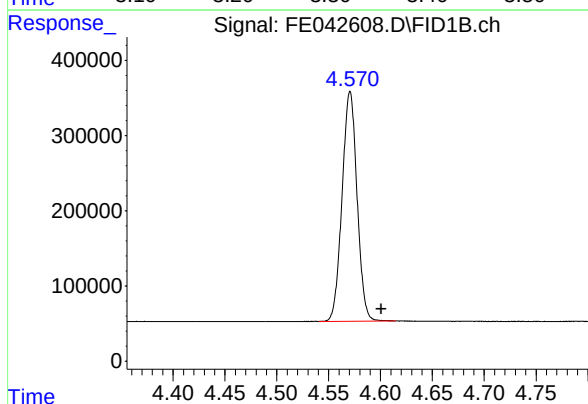
#1 n-Nonane (C9)

R.T.: 3.319 min
Delta R.T.: -0.029 min
Response: 2934472
Conc: 20.35 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

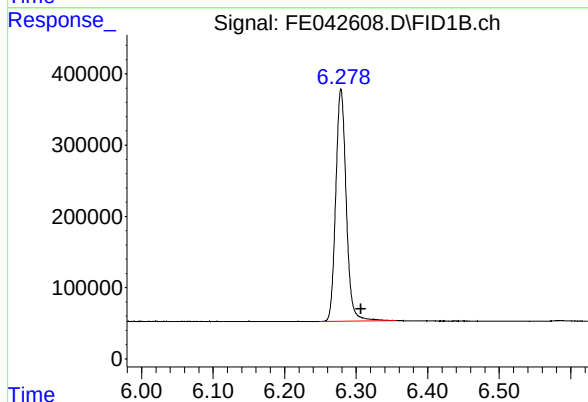
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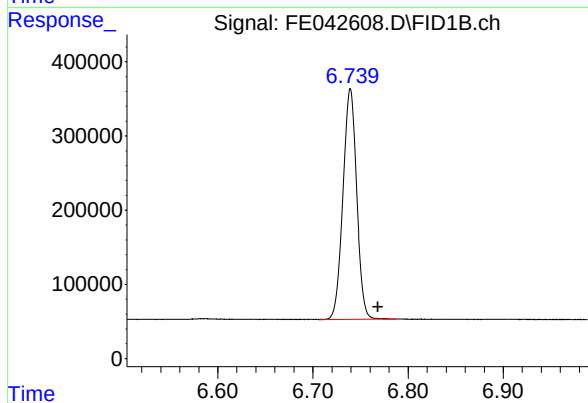
#2 n-Decane (C10)

R.T.: 4.571 min
Delta R.T.: -0.030 min
Response: 3074030
Conc: 20.77 ug/ml



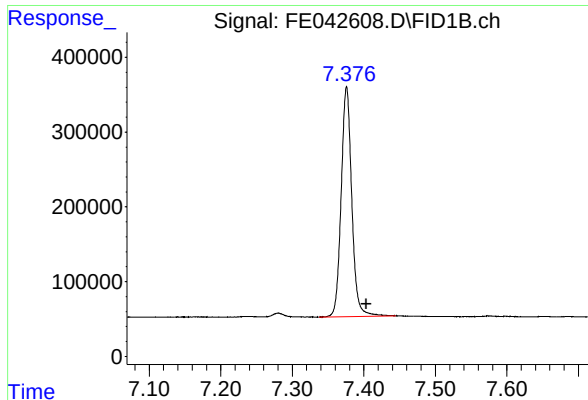
#3 A~Naphthalene (C11.7)

R.T.: 6.279 min
Delta R.T.: -0.028 min
Response: 3313108
Conc: 20.31 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.739 min
Delta R.T.: -0.029 min
Response: 3111961
Conc: 20.75 ug/ml



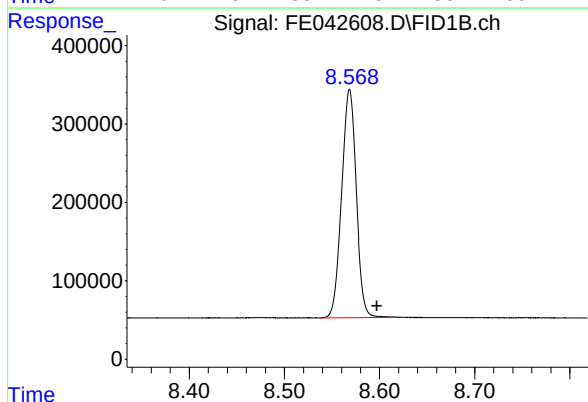
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.376 min
Delta R.T.: -0.028 min
Response: 3166387
Conc: 19.95 ug/ml

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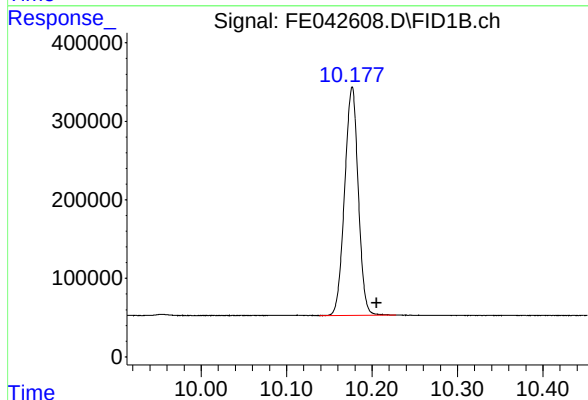
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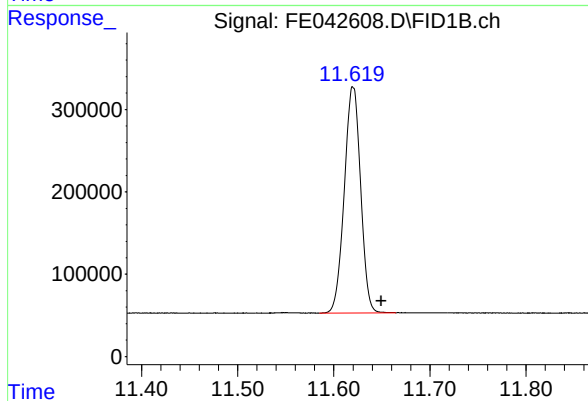
#6 n-Tetradecane (C14)

R.T.: 8.568 min
Delta R.T.: -0.029 min
Response: 3100970
Conc: 20.70 ug/ml



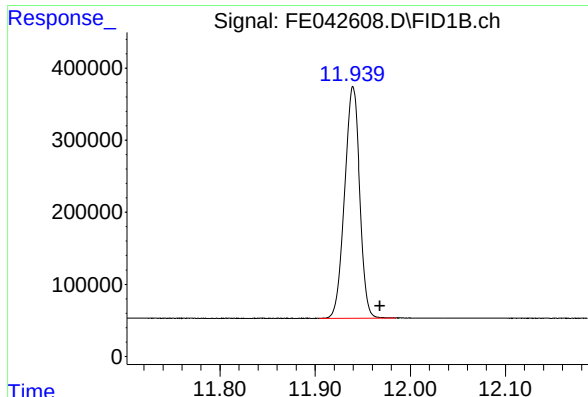
#7 n-Hexadecane (C16)

R.T.: 10.177 min
Delta R.T.: -0.028 min
Response: 3219546
Conc: 20.67 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.620 min
Delta R.T.: -0.029 min
Response: 3245055
Conc: 20.52 ug/ml



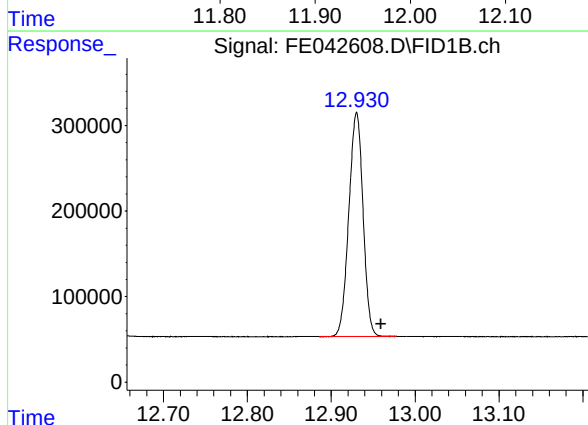
#9 ortho-Terphenyl (SURR)

R.T.: 11.940 min
Delta R.T.: -0.028 min
Response: 3538603
Conc: 20.04 ug/ml

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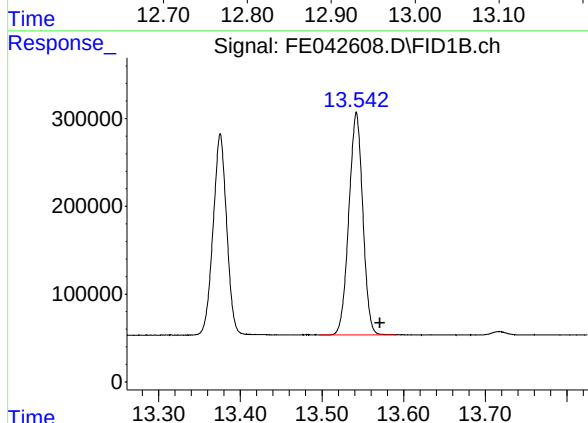
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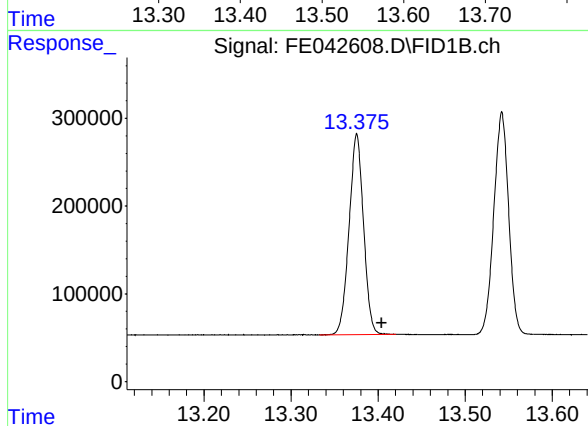
#10 n-Eicosane (C20)

R.T.: 12.930 min
Delta R.T.: -0.029 min
Response: 3085797
Conc: 20.36 ug/ml



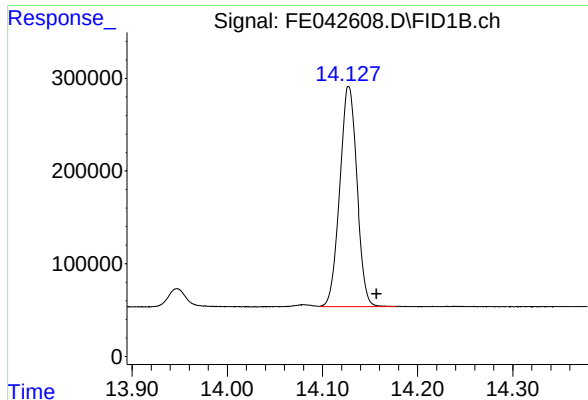
#11 n-Heneicosane (C21)

R.T.: 13.542 min
Delta R.T.: -0.029 min
Response: 2999441
Conc: 20.25 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.376 min
Delta R.T.: -0.029 min
Response: 2631425
Conc: 19.80 ug/ml



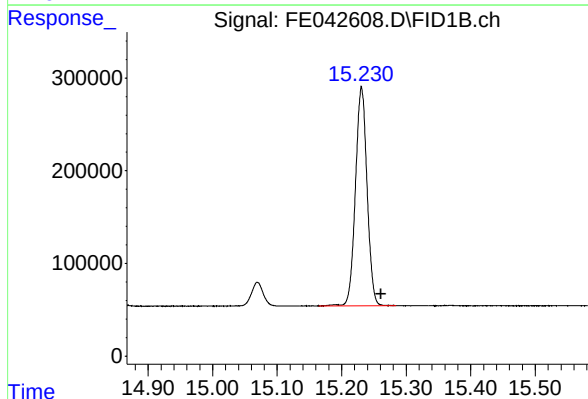
#13 n-Docosane (C22)

R.T.: 14.128 min
Delta R.T.: -0.030 min
Response: 2977536
Conc: 20.31 ug/ml

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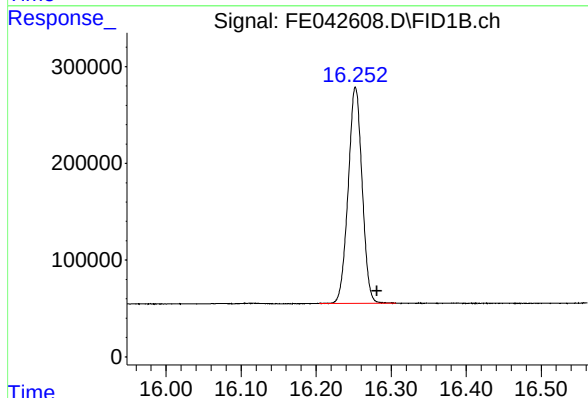
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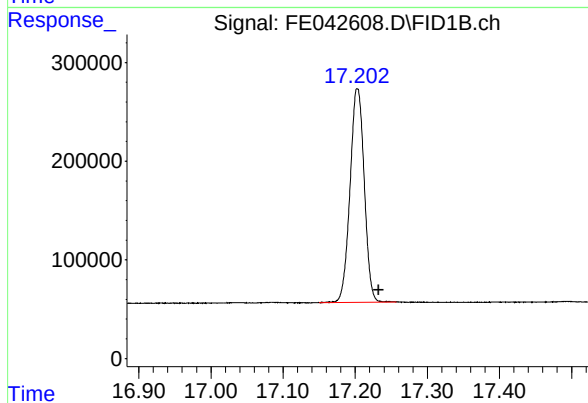
#14 n-Tetracosane (C24)

R.T.: 15.231 min
Delta R.T.: -0.030 min
Response: 2952399
Conc: 20.45 ug/ml



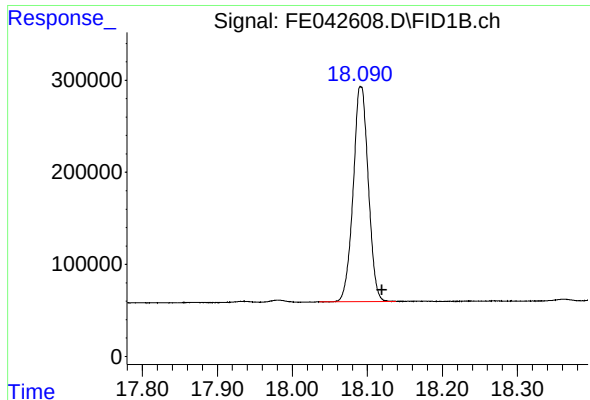
#15 n-Hexacosane (C26)

R.T.: 16.253 min
Delta R.T.: -0.029 min
Response: 2880895
Conc: 20.80 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.203 min
Delta R.T.: -0.029 min
Response: 2953134
Conc: 22.06 ug/ml



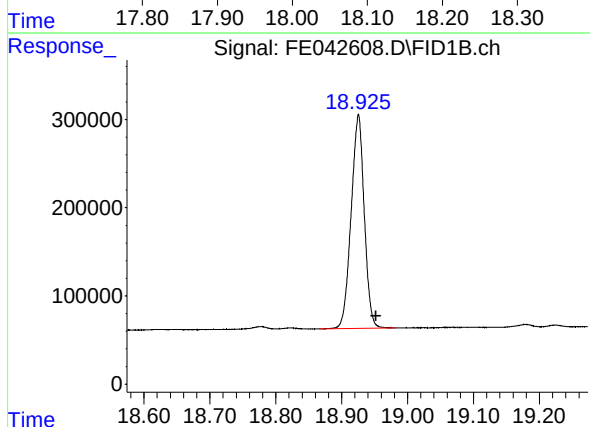
#17 n-Tricontane (C30)

R.T.: 18.091 min
Delta R.T.: -0.028 min
Response: 3268881
Conc: 24.22 ug/ml

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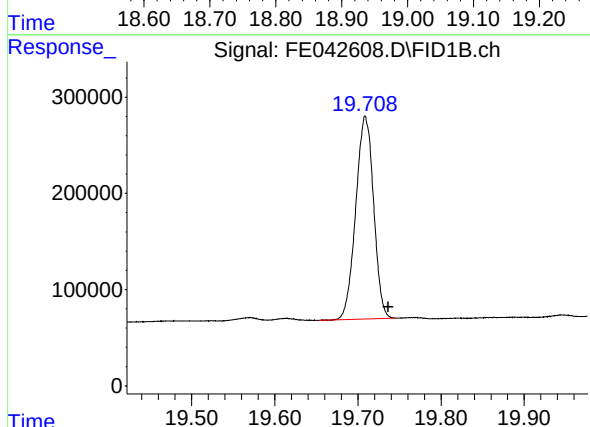
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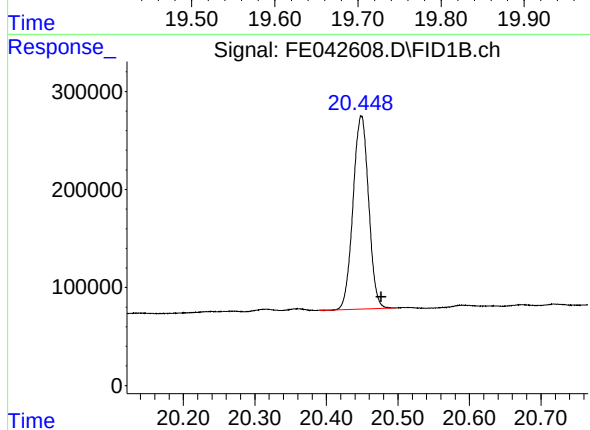
#18 n-Dotriacontane (C32)

R.T.: 18.926 min
Delta R.T.: -0.026 min
Response: 3355450
Conc: 25.12 ug/ml



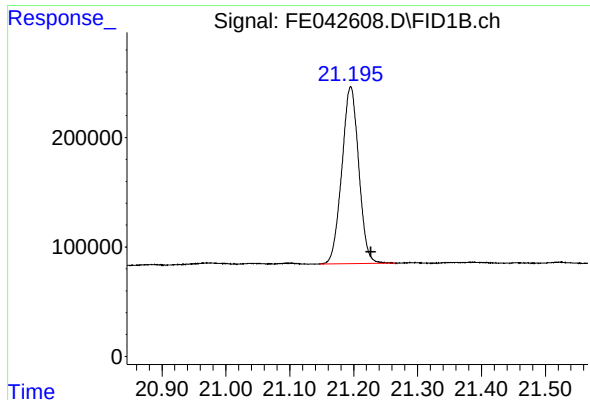
#19 n-Tetratriacontane (C34)

R.T.: 19.709 min
Delta R.T.: -0.028 min
Response: 3143205
Conc: 23.90 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.449 min
Delta R.T.: -0.028 min
Response: 2978021
Conc: 22.91 ug/ml



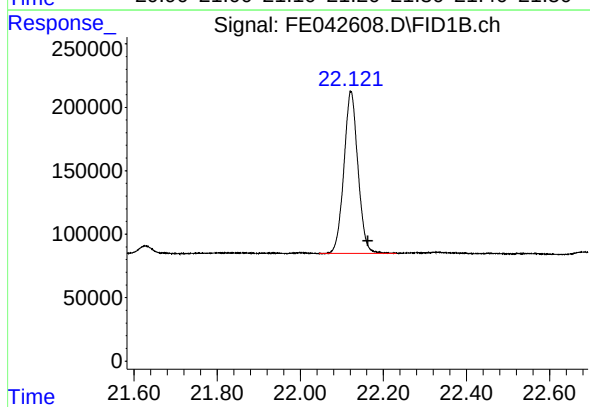
#21 n-Octatriacontane (C38)

R.T.: 21.195 min
Delta R.T.: -0.032 min
Response: 2972926
Conc: 21.91 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.122 min
Delta R.T.: -0.041 min
Response: 2995143
Conc: 21.53 ug/ml