

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE122624AL\
 Data File : FE051755.D
 Signal(s) : FID1B.ch
 Acq On : 26 Dec 2024 09:29
 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 12/27/2024
 Supervised By :Ankita Jodhani 12/27/2024

Integration File: autoint1.e
 Quant Time: Dec 26 10:52:02 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)	12.025	2901180	18.071 ug/ml
Spiked Amount 50.000		Recovery =	36.14%
12) S 1-chlorooctadecane (S...	13.447	2178031	17.266 ug/ml
Spiked Amount 50.000		Recovery =	34.53%
Target Compounds			
1) T n-Nonane (C9)	3.486	2222108	18.545 ug/ml
2) T n-Decane (C10)	4.720	2313244	18.605 ug/ml
3) T A~Naphthalene (C11.7)	6.410	2677540	18.790 ug/ml
4) T n-Dodecane (C12)	6.859	2415925	18.567 ug/ml
5) T A~2-methylnaphthalene...	7.494	2630625	18.588 ug/ml
6) T n-Tetradecane (C14)	8.672	2480992	18.504 ug/ml
7) T n-Hexadecane (C16)	10.268	2623732	18.359 ug/ml
8) T n-Octadecane (C18)	11.703	2693043	18.269 ug/ml
10) T n-Eicosane (C20)	13.005	2603552	18.097 ug/ml
11) T n-Heneicosane (C21)	13.613	2556087	17.987 ug/ml
13) T n-Docosane (C22)	14.196	2547199	18.067 ug/ml
14) T n-Tetracosane (C24)	15.291	2537890	18.190 ug/ml
15) T n-Hexacosane (C26)	16.306	2466782	18.308 ug/ml
16) T n-Octacosane (C28)	17.249	2421740	18.616 ug/ml
17) T n-Tricontane (C30)	18.131	2462361	18.606 ug/ml
18) T n-Dotriacontane (C32)	18.958	2355659	18.790 ug/ml
19) T n-Tetratriacontane (C34)	19.737	2110700	19.184 ug/ml
20) T n-Hexatriacontane (C36)	20.472	1747214	18.198 ug/ml
21) T n-Octatriacontane (C38)	21.215	1639723	18.210 ug/ml
22) T n-Tetracontane (C40)	22.145	1467873	15.039 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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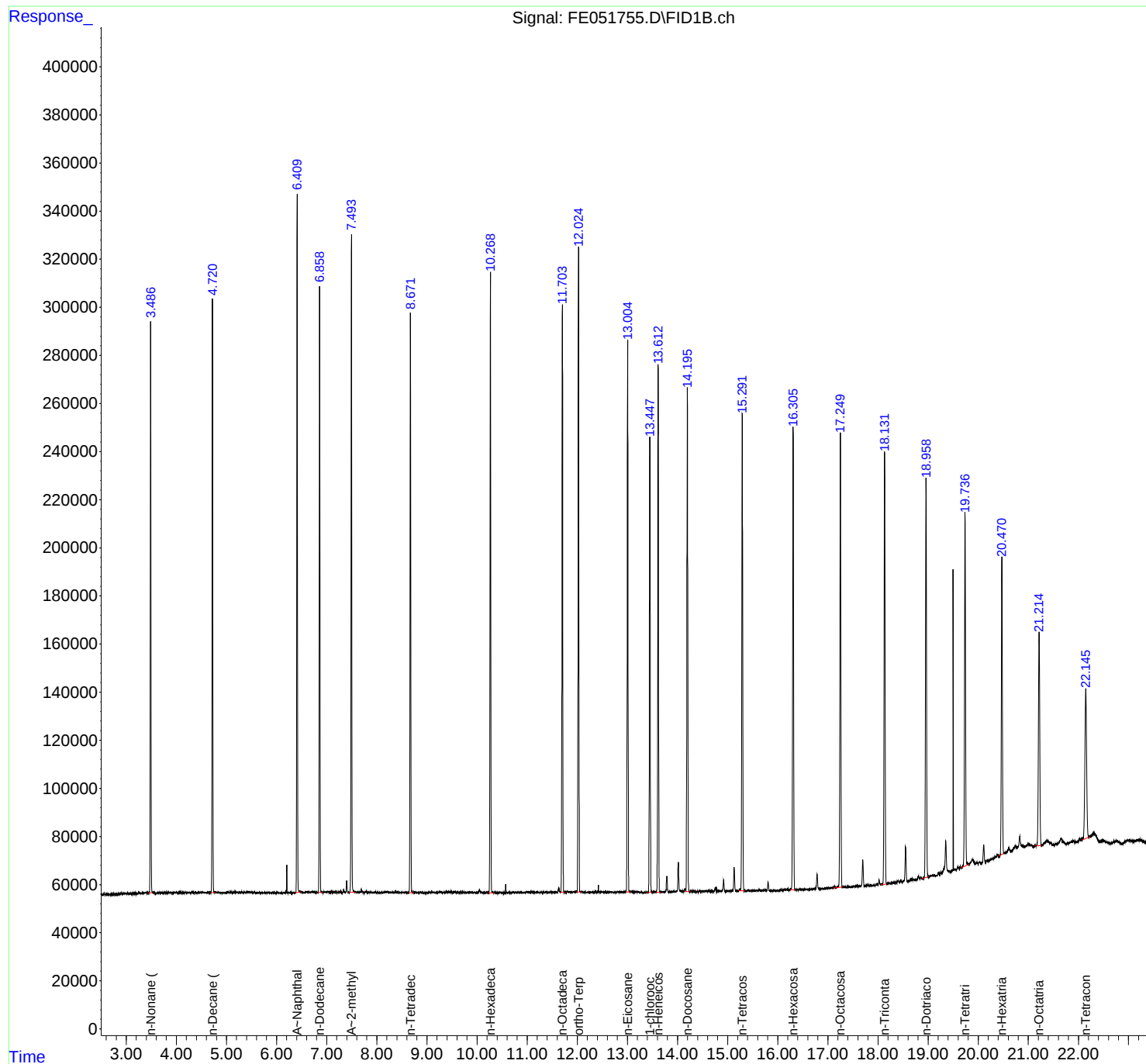
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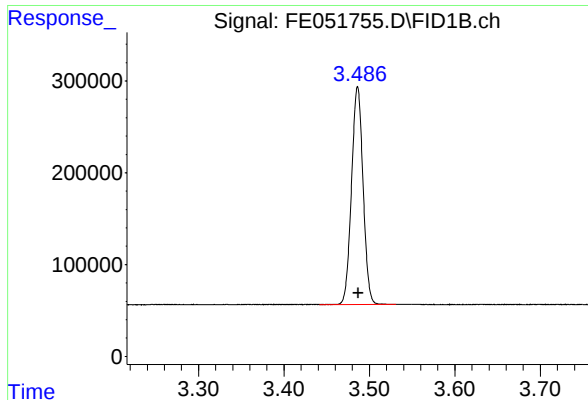
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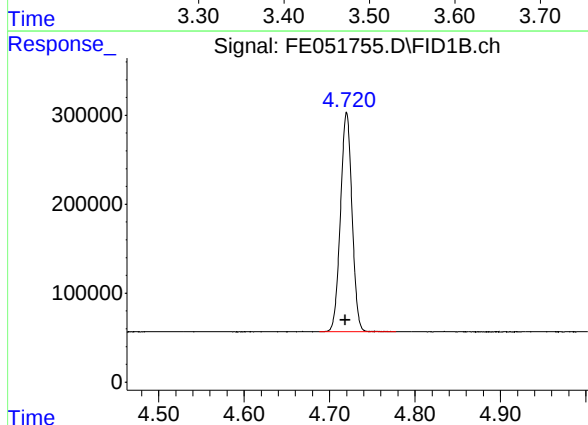
#1 n-Nonane (C9)

R.T.: 3.486 min
Delta R.T.: 0.000 min
Response: 2222108
Conc: 18.55 ug/ml

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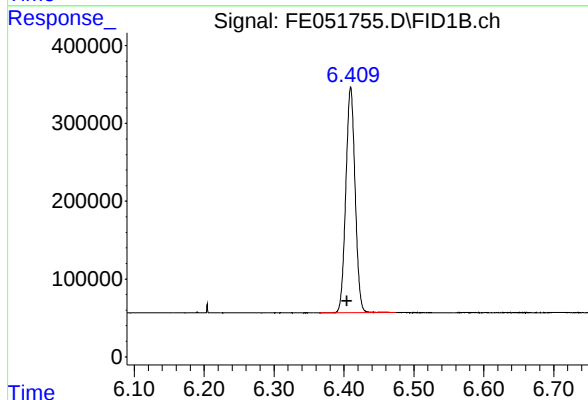
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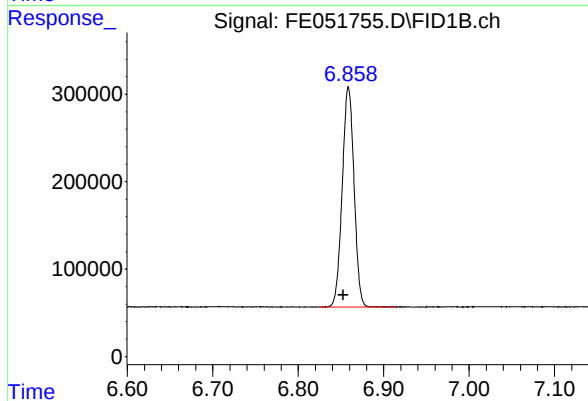
#2 n-Decane (C10)

R.T.: 4.720 min
Delta R.T.: 0.001 min
Response: 2313244
Conc: 18.61 ug/ml



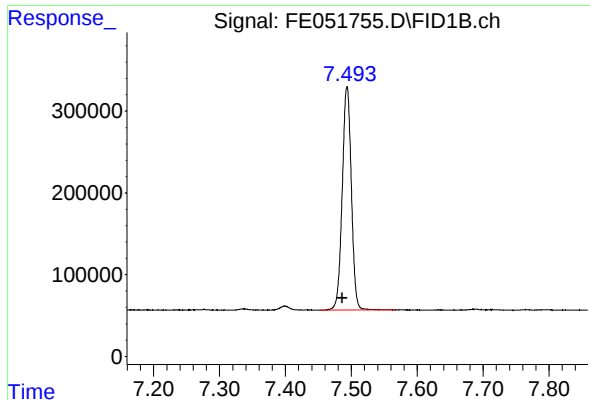
#3 A~Naphthalene (C11.7)

R.T.: 6.410 min
Delta R.T.: 0.005 min
Response: 2677540
Conc: 18.79 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.859 min
Delta R.T.: 0.006 min
Response: 2415925
Conc: 18.57 ug/ml



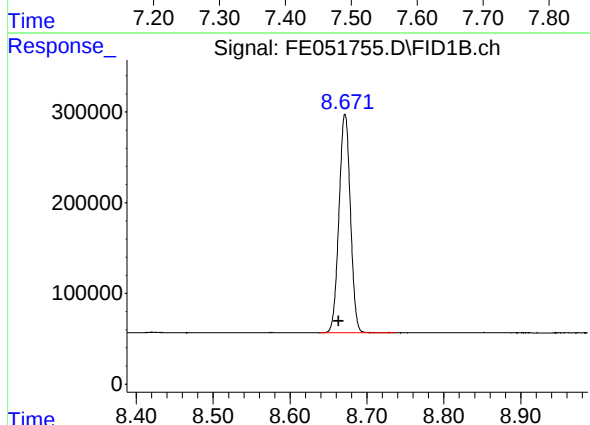
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.494 min
Delta R.T.: 0.007 min
Response: 2630625
Conc: 18.59 ug/ml

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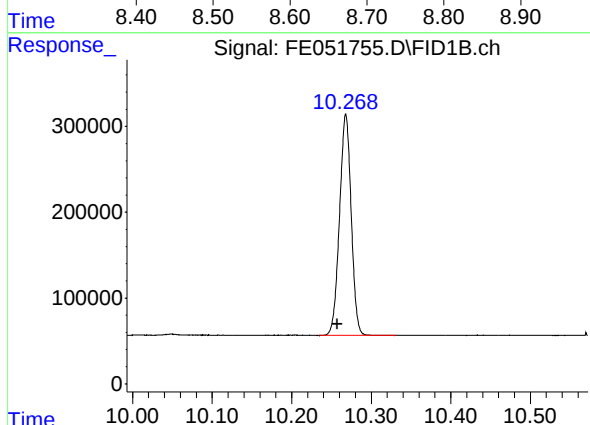
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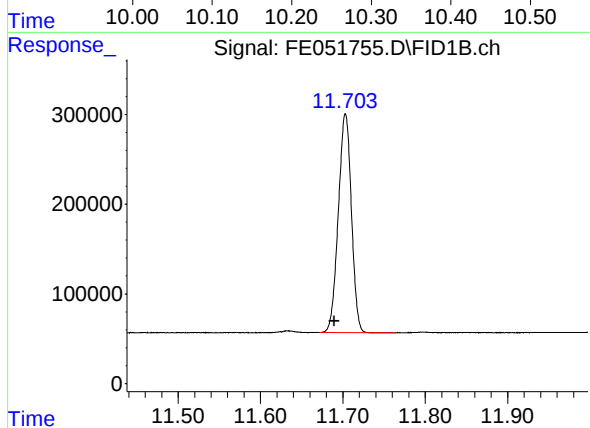
#6 n-Tetradecane (C14)

R.T.: 8.672 min
Delta R.T.: 0.008 min
Response: 2480992
Conc: 18.50 ug/ml



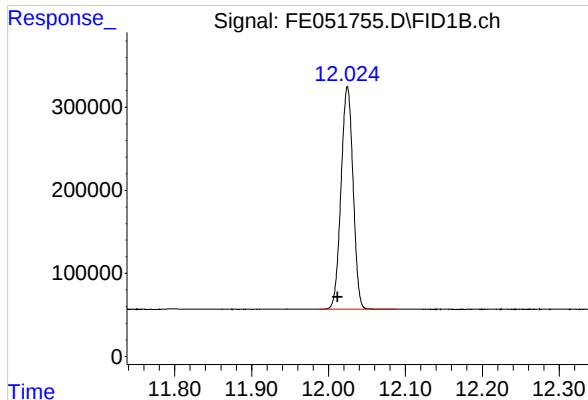
#7 n-Hexadecane (C16)

R.T.: 10.268 min
Delta R.T.: 0.011 min
Response: 2623732
Conc: 18.36 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.703 min
Delta R.T.: 0.013 min
Response: 2693043
Conc: 18.27 ug/ml



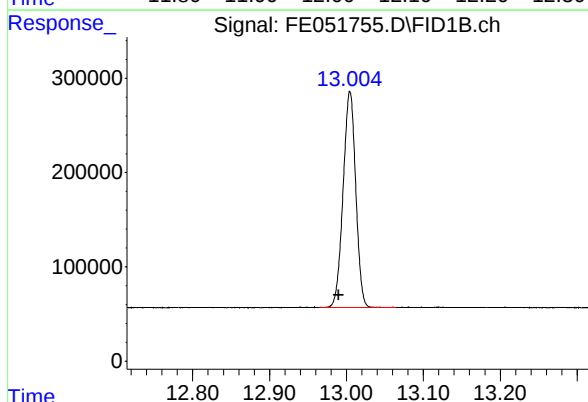
#9 ortho-Terphenyl (SURR)

R.T.: 12.025 min
Delta R.T.: 0.013 min
Response: 2901180
Conc: 18.07 ug/ml

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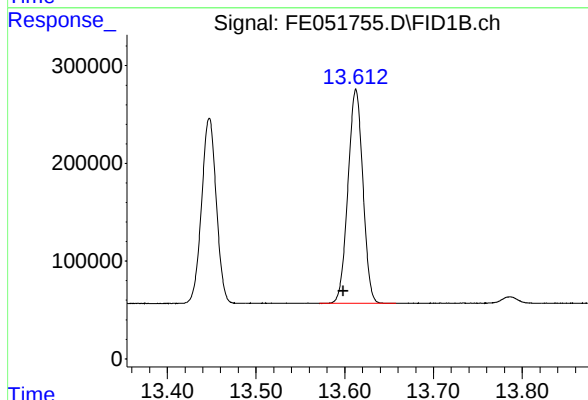
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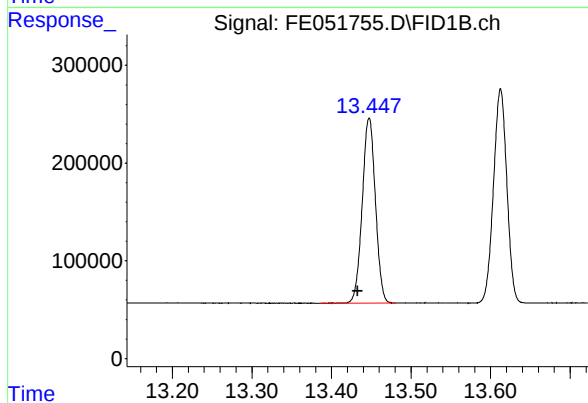
#10 n-Eicosane (C20)

R.T.: 13.005 min
Delta R.T.: 0.015 min
Response: 2603552
Conc: 18.10 ug/ml



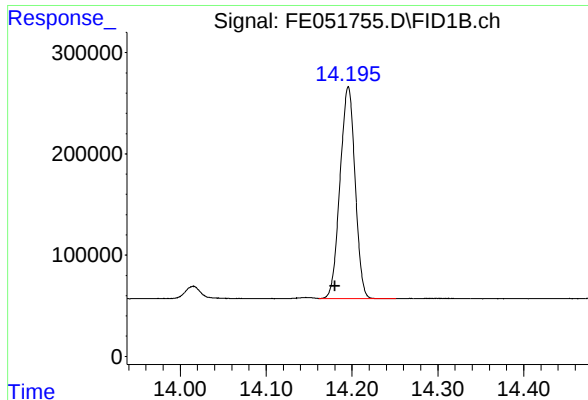
#11 n-Heneicosane (C21)

R.T.: 13.613 min
Delta R.T.: 0.014 min
Response: 2556087
Conc: 17.99 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.447 min
Delta R.T.: 0.014 min
Response: 2178031
Conc: 17.27 ug/ml



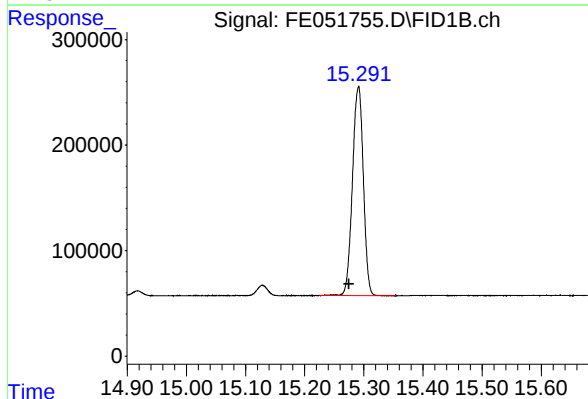
#13 n-Docosane (C22)

R.T.: 14.196 min
Delta R.T.: 0.015 min
Response: 2547199
Conc: 18.07 ug/ml

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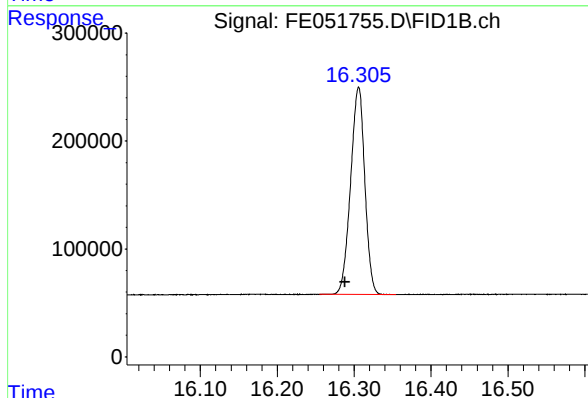
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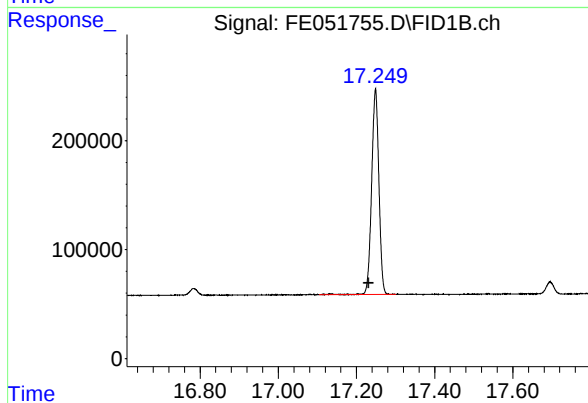
#14 n-Tetracosane (C24)

R.T.: 15.291 min
Delta R.T.: 0.016 min
Response: 2537890
Conc: 18.19 ug/ml



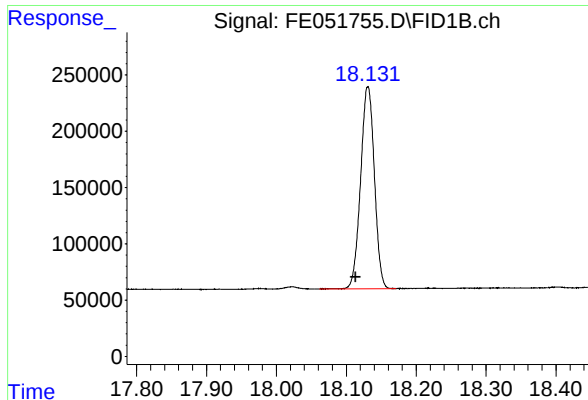
#15 n-Hexacosane (C26)

R.T.: 16.306 min
Delta R.T.: 0.017 min
Response: 2466782
Conc: 18.31 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.249 min
Delta R.T.: 0.017 min
Response: 2421740
Conc: 18.62 ug/ml



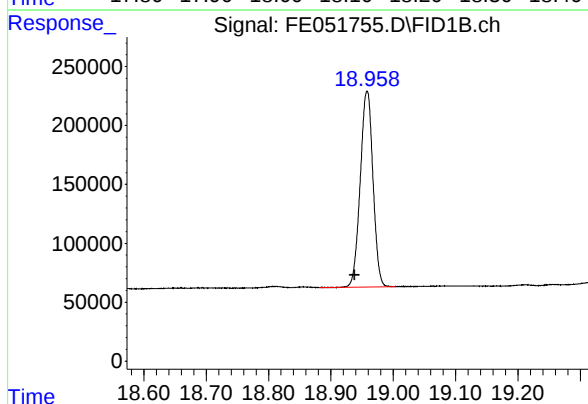
#17 n-Tricontane (C30)

R.T.: 18.131 min
Delta R.T.: 0.018 min
Response: 2462361
Conc: 18.61 ug/ml

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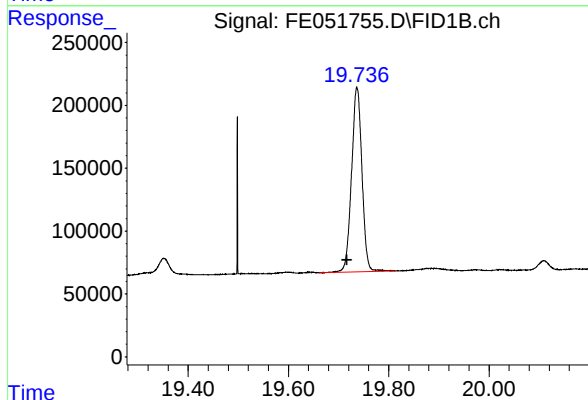
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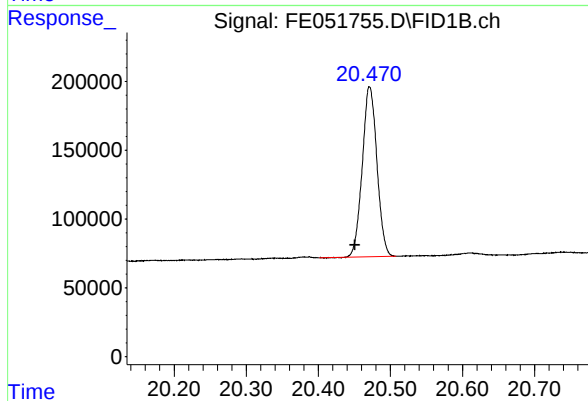
#18 n-Dotriacontane (C32)

R.T.: 18.958 min
Delta R.T.: 0.020 min
Response: 2355659
Conc: 18.79 ug/ml



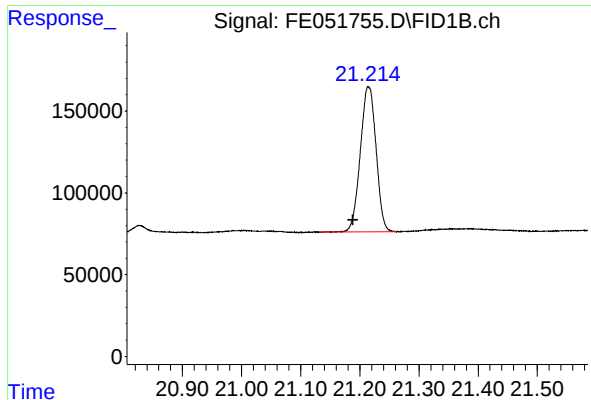
#19 n-Tetratriacontane (C34)

R.T.: 19.737 min
Delta R.T.: 0.020 min
Response: 2110700
Conc: 19.18 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.472 min
Delta R.T.: 0.021 min
Response: 1747214
Conc: 18.20 ug/ml



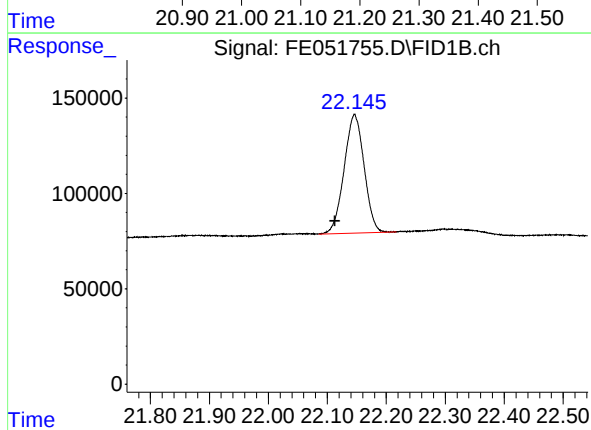
#21 n-Octatriacontane (C38)

R.T.: 21.215 min
Delta R.T.: 0.026 min
Response: 1639723
Conc: 18.21 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.145 min
Delta R.T.: 0.032 min
Response: 1467873
Conc: 15.04 ug/ml m