

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE011725AL\
 Data File : FE051959.D
 Signal(s) : FID1B.ch
 Acq On : 17 Jan 2025 21:55
 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 01/21/2025
 Supervised By :Ankita Jodhani 01/21/2025

Integration File: autoint1.e
 Quant Time: Jan 17 23:17:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 011625.M
 Quant Title : GC Extractables
 QLast Update : Thu Jan 16 16:05:07 2025
 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)	12.192	2668565	18.671 ug/ml
Spiked Amount 50.000		Recovery =	37.34%
12) S 1-chlorooctadecane (S...	13.614	2083218	18.160 ug/ml
Spiked Amount 50.000		Recovery =	36.32%
Target Compounds			
1) T n-Nonane (C9)	3.628	2049974	19.228 ug/ml
2) T n-Decane (C10)	4.864	2129789	19.454 ug/ml
3) T A~Naphthalene (C11.7)	6.567	2400978	19.758 ug/ml
4) T n-Dodecane (C12)	7.007	2218294	19.654 ug/ml
5) T A~2-methylnaphthalene...	7.653	2377274	19.913 ug/ml
6) T n-Tetradecane (C14)	8.824	2267927	19.499 ug/ml
7) T n-Hexadecane (C16)	10.425	2395542	18.994 ug/ml
8) T n-Octadecane (C18)	11.862	2459345	18.588 ug/ml
10) T n-Eicosane (C20)	13.168	2398450	18.296 ug/ml
11) T n-Heneicosane (C21)	13.778	2372176	18.225 ug/ml
13) T n-Docosane (C22)	14.360	2364746	18.019 ug/mlm
14) T n-Tetracosane (C24)	15.461	2360793	17.773 ug/ml
15) T n-Hexacosane (C26)	16.479	2322362	17.569 ug/ml
16) T n-Octacosane (C28)	17.427	2268592	17.188 ug/ml
17) T n-Tricontane (C30)	18.311	2313938	16.972 ug/ml
18) T n-Dotriacontane (C32)	19.141	2210937	16.870 ug/mlm
19) T n-Tetratriacontane (C34)	19.921	1971278	17.509 ug/ml
20) T n-Hexatriacontane (C36)	20.659	1777384	18.713 ug/mlm
21) T n-Octatriacontane (C38)	21.452	1630140	18.871 ug/mlm
22) T n-Tetracontane (C40)	22.464	1679162	20.376 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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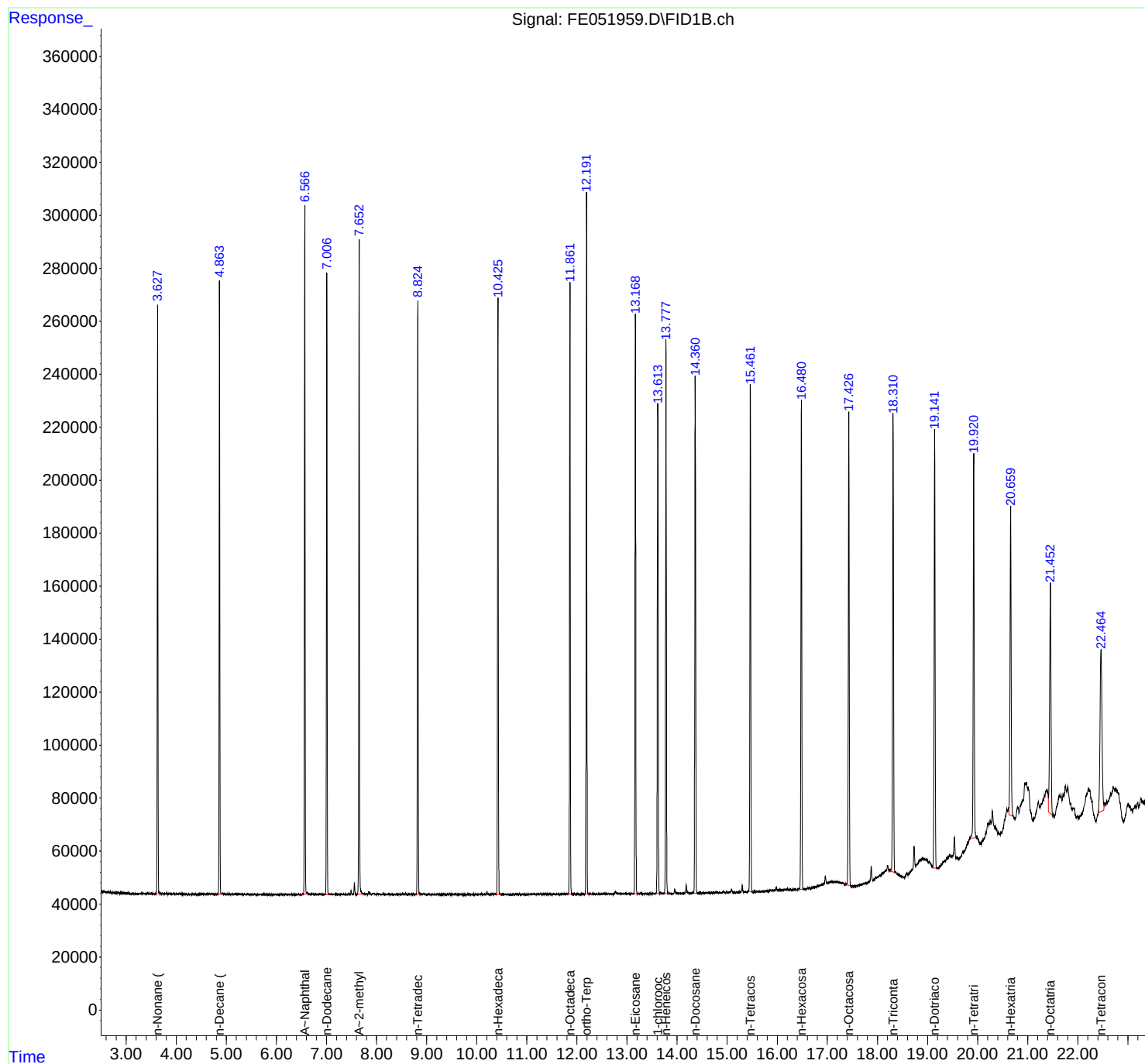
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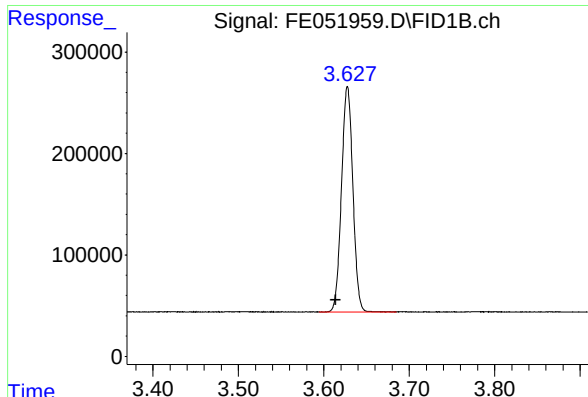
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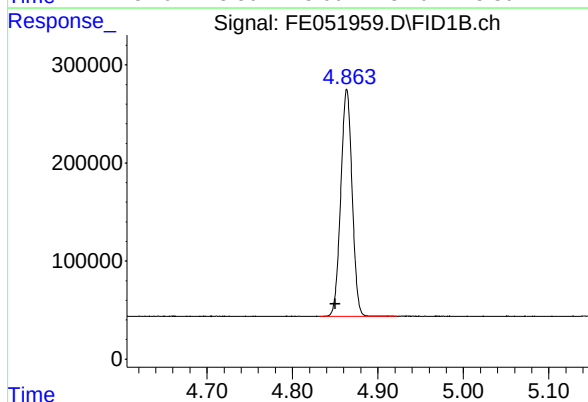
#1 n-Nonane (C9)

R.T.: 3.628 min
Delta R.T.: 0.014 min
Response: 2049974
Conc: 19.23 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

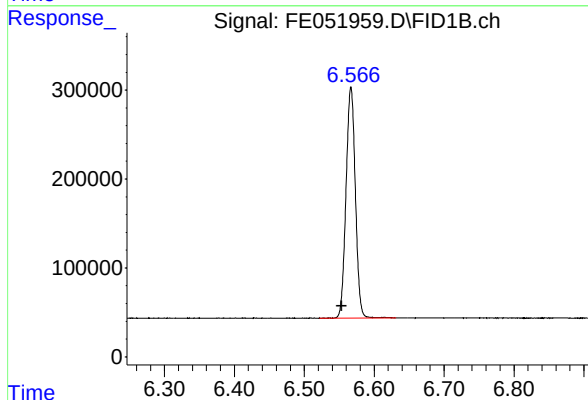
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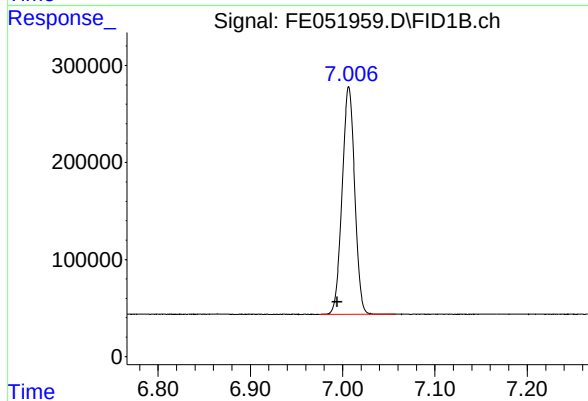
#2 n-Decane (C10)

R.T.: 4.864 min
Delta R.T.: 0.014 min
Response: 2129789
Conc: 19.45 ug/ml



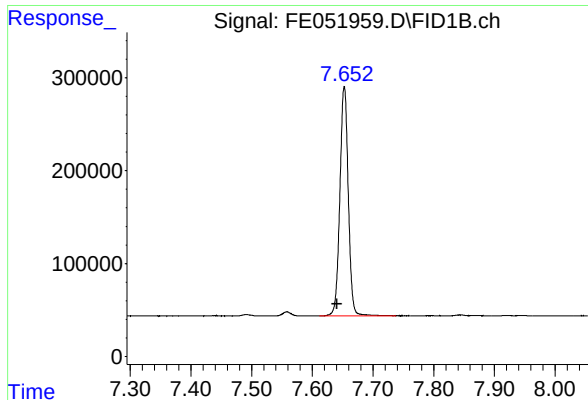
#3 A~Naphthalene (C11.7)

R.T.: 6.567 min
Delta R.T.: 0.013 min
Response: 2400978
Conc: 19.76 ug/ml



#4 n-Dodecane (C12)

R.T.: 7.007 min
Delta R.T.: 0.013 min
Response: 2218294
Conc: 19.65 ug/ml



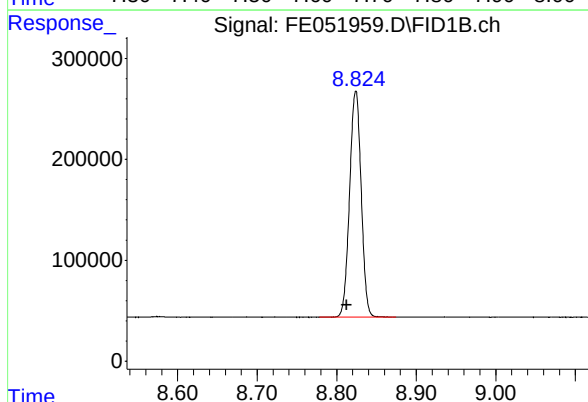
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.653 min
Delta R.T.: 0.012 min
Response: 2377274
Conc: 19.91 ug/ml

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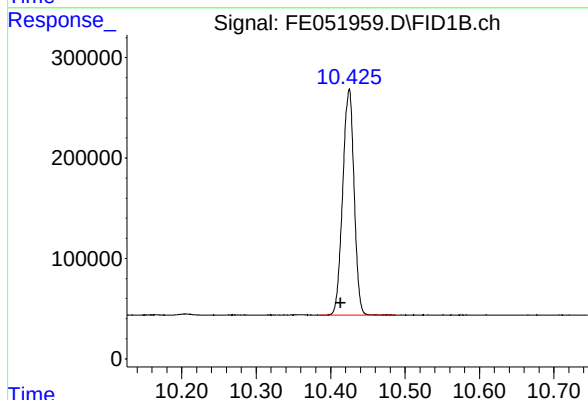
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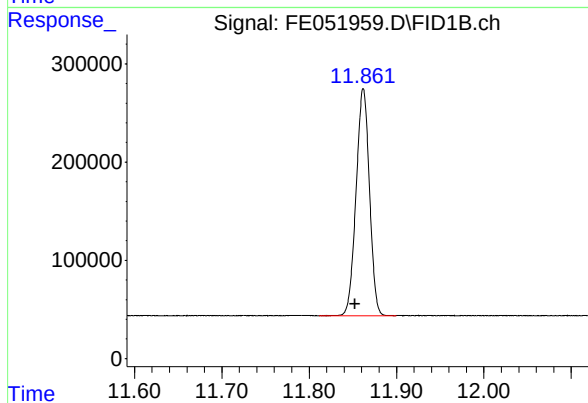
#6 n-Tetradecane (C14)

R.T.: 8.824 min
Delta R.T.: 0.012 min
Response: 2267927
Conc: 19.50 ug/ml



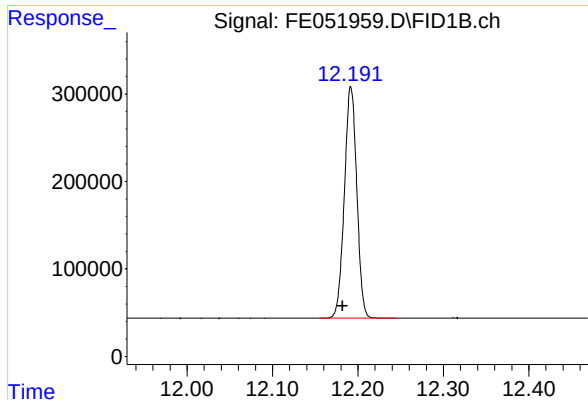
#7 n-Hexadecane (C16)

R.T.: 10.425 min
Delta R.T.: 0.011 min
Response: 2395542
Conc: 18.99 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.862 min
Delta R.T.: 0.009 min
Response: 2459345
Conc: 18.59 ug/ml



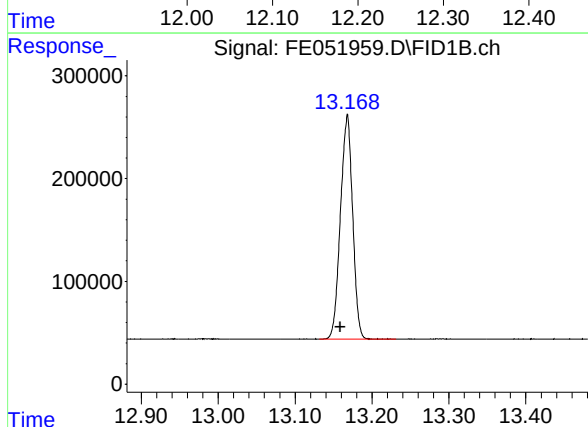
#9 ortho-Terphenyl (SURR)

R.T.: 12.192 min
Delta R.T.: 0.009 min
Response: 2668565
Conc: 18.67 ug/ml

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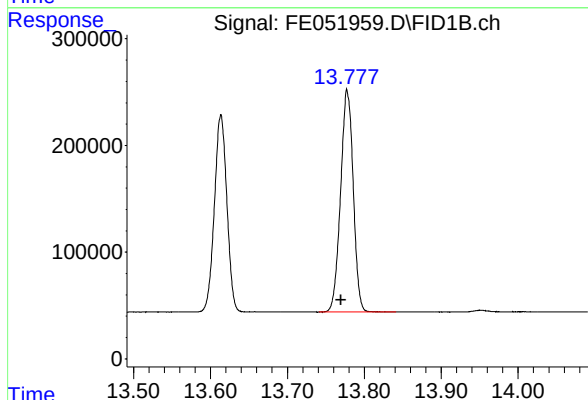
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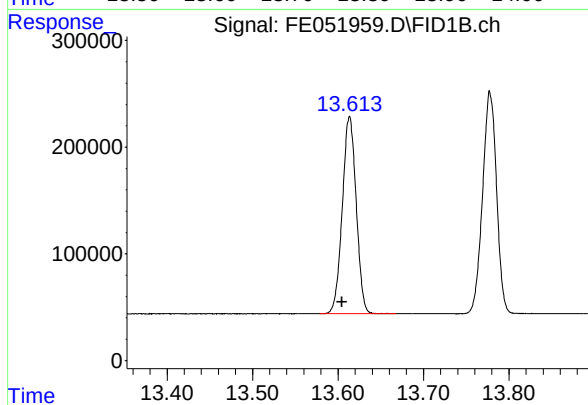
#10 n-Eicosane (C20)

R.T.: 13.168 min
Delta R.T.: 0.009 min
Response: 2398450
Conc: 18.30 ug/ml



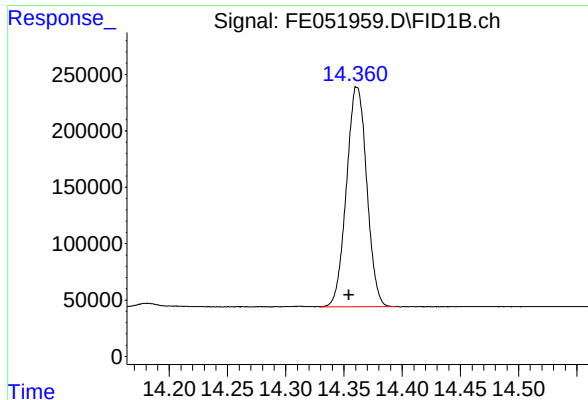
#11 n-Heneicosane (C21)

R.T.: 13.778 min
Delta R.T.: 0.008 min
Response: 2372176
Conc: 18.22 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.614 min
Delta R.T.: 0.009 min
Response: 2083218
Conc: 18.16 ug/ml



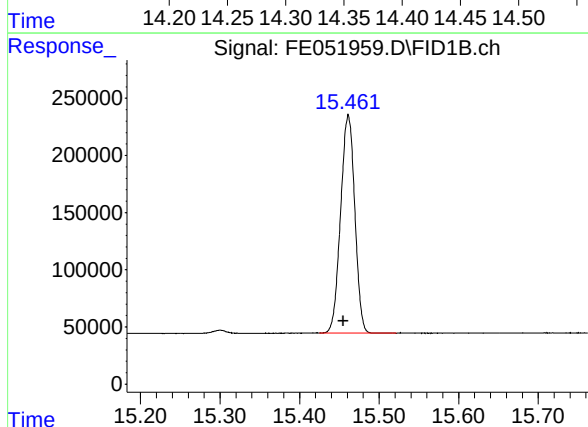
#13 n-Docosane (C22)

R.T.: 14.360 min
Delta R.T.: 0.006 min
Response: 2364746
Conc: 18.02 ug/ml

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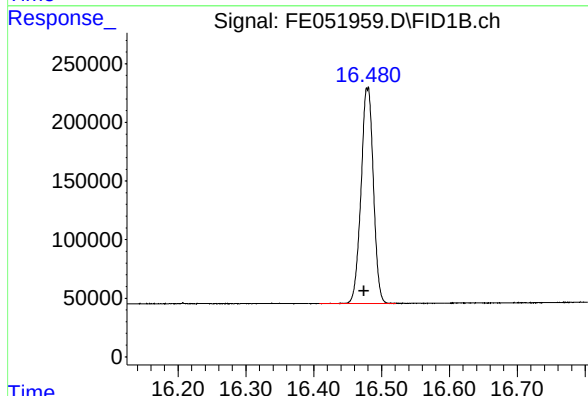
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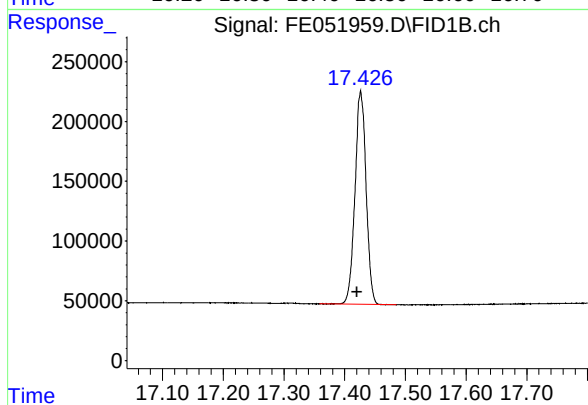
#14 n-Tetracosane (C24)

R.T.: 15.461 min
Delta R.T.: 0.006 min
Response: 2360793
Conc: 17.77 ug/ml



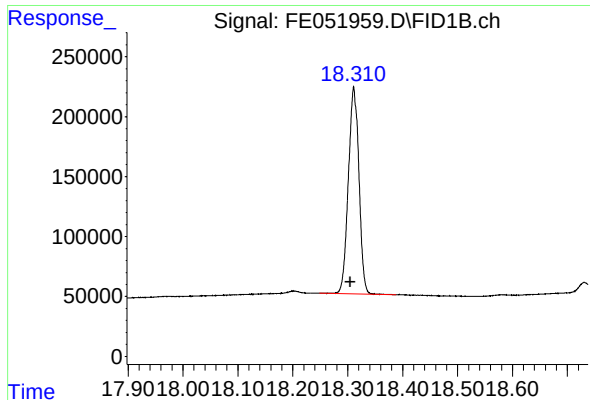
#15 n-Hexacosane (C26)

R.T.: 16.479 min
Delta R.T.: 0.006 min
Response: 2322362
Conc: 17.57 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.427 min
Delta R.T.: 0.007 min
Response: 2268592
Conc: 17.19 ug/ml



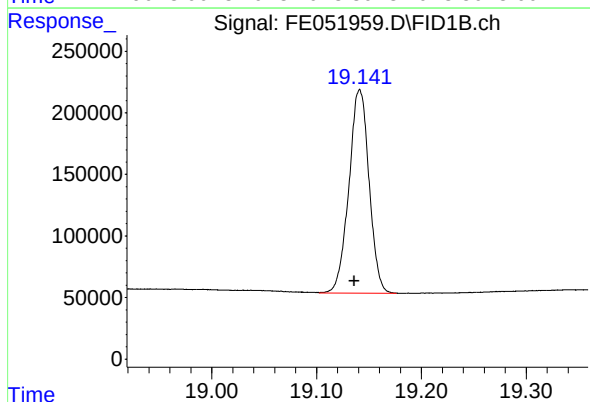
#17 n-Tricontane (C30)

R.T.: 18.311 min
Delta R.T.: 0.006 min
Response: 2313938
Conc: 16.97 ug/ml

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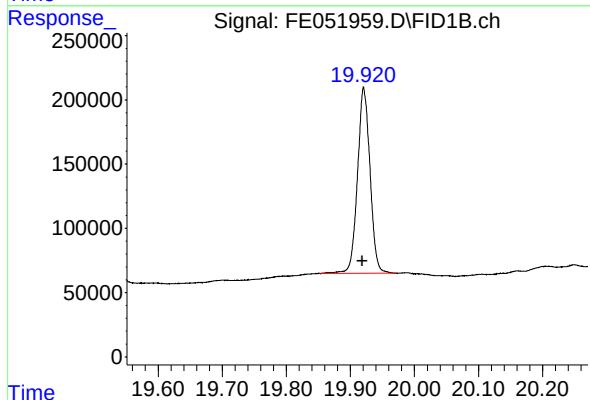
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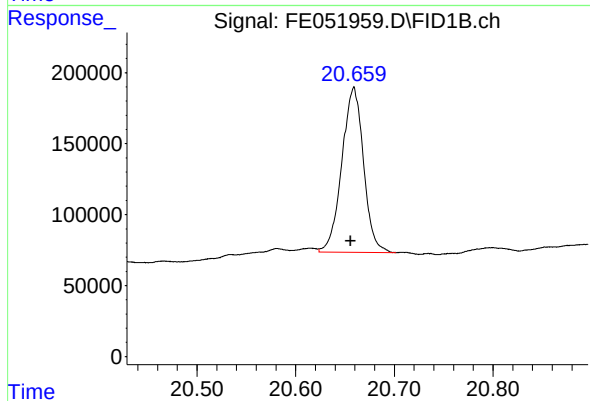
#18 n-Dotriacontane (C32)

R.T.: 19.141 min
Delta R.T.: 0.005 min
Response: 2210937
Conc: 16.87 ug/ml m



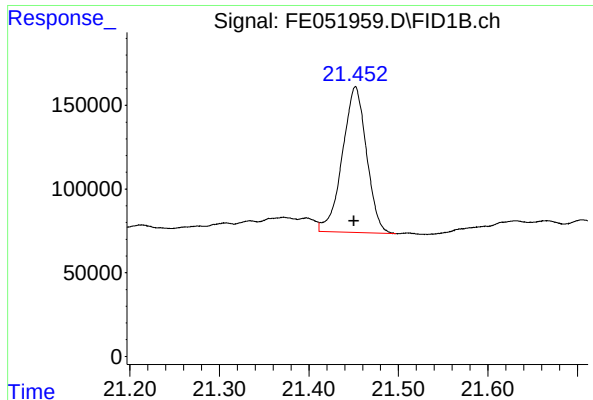
#19 n-Tetratriacontane (C34)

R.T.: 19.921 min
Delta R.T.: 0.003 min
Response: 1971278
Conc: 17.51 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.659 min
Delta R.T.: 0.003 min
Response: 1777384
Conc: 18.71 ug/ml m



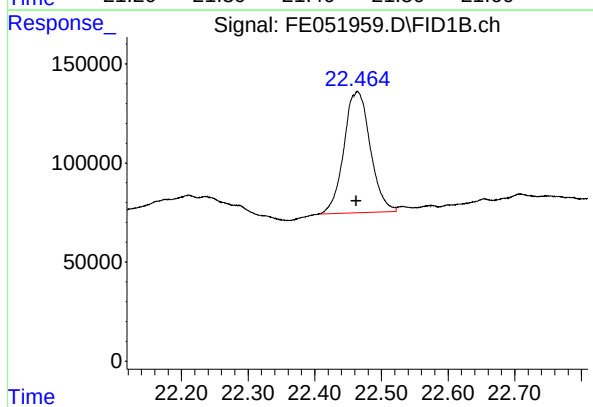
#21 n-Octatriacontane (C38)

R.T.: 21.452 min
Delta R.T.: 0.002 min
Response: 1630140
Conc: 18.87 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.464 min
Delta R.T.: 0.002 min
Response: 1679162
Conc: 20.38 ug/ml m