

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE012125AL\
 Data File : FE051990.D
 Signal(s) : FID1B.ch
 Acq On : 21 Jan 2025 14:50
 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 01/22/2025
 Supervised By :Ankita Jodhani 01/22/2025

Integration File: autoint1.e
 Quant Time: Jan 22 03:08:42 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)	12.199	2991741	20.932 ug/ml
Spiked Amount 50.000		Recovery =	41.86%
12) S 1-chlorooctadecane (S...	13.614	2316586	20.194 ug/ml
Spiked Amount 50.000		Recovery =	40.39%
Target Compounds			
1) T n-Nonane (C9)	3.671	2240407	21.015 ug/ml
2) T n-Decane (C10)	4.900	2427037	22.169 ug/ml
3) T A~Naphthalene (C11.7)	6.596	2753457	22.659 ug/mlm
4) T n-Dodecane (C12)	7.030	2556102	22.647 ug/ml
5) T A~2-methylnaphthalene...	7.677	2733342	22.895 ug/ml
6) T n-Tetradecane (C14)	8.837	2612854	22.465 ug/ml
7) T n-Hexadecane (C16)	10.432	2744835	21.764 ug/ml
8) T n-Octadecane (C18)	11.866	2786556	21.061 ug/ml
10) T n-Eicosane (C20)	13.168	2692093	20.535 ug/ml
11) T n-Heneicosane (C21)	13.777	2640055	20.283 ug/ml
13) T n-Docosane (C22)	14.361	2644515	20.151 ug/ml
14) T n-Tetracosane (C24)	15.458	2660975	20.033 ug/mlm
15) T n-Hexacosane (C26)	16.476	2641838	19.986 ug/ml
16) T n-Octacosane (C28)	17.423	2653493	20.105 ug/ml
17) T n-Tricontane (C30)	18.309	2797269	20.517 ug/ml
18) T n-Dotriacontane (C32)	19.139	2774831	21.173 ug/ml
19) T n-Tetratriacontane (C34)	19.921	2425572	21.545 ug/ml
20) T n-Hexatriacontane (C36)	20.660	2157108	22.711 ug/ml
21) T n-Octatriacontane (C38)	21.446	1998038	23.130 ug/ml
22) T n-Tetracontane (C40)	22.450	2003686	24.313 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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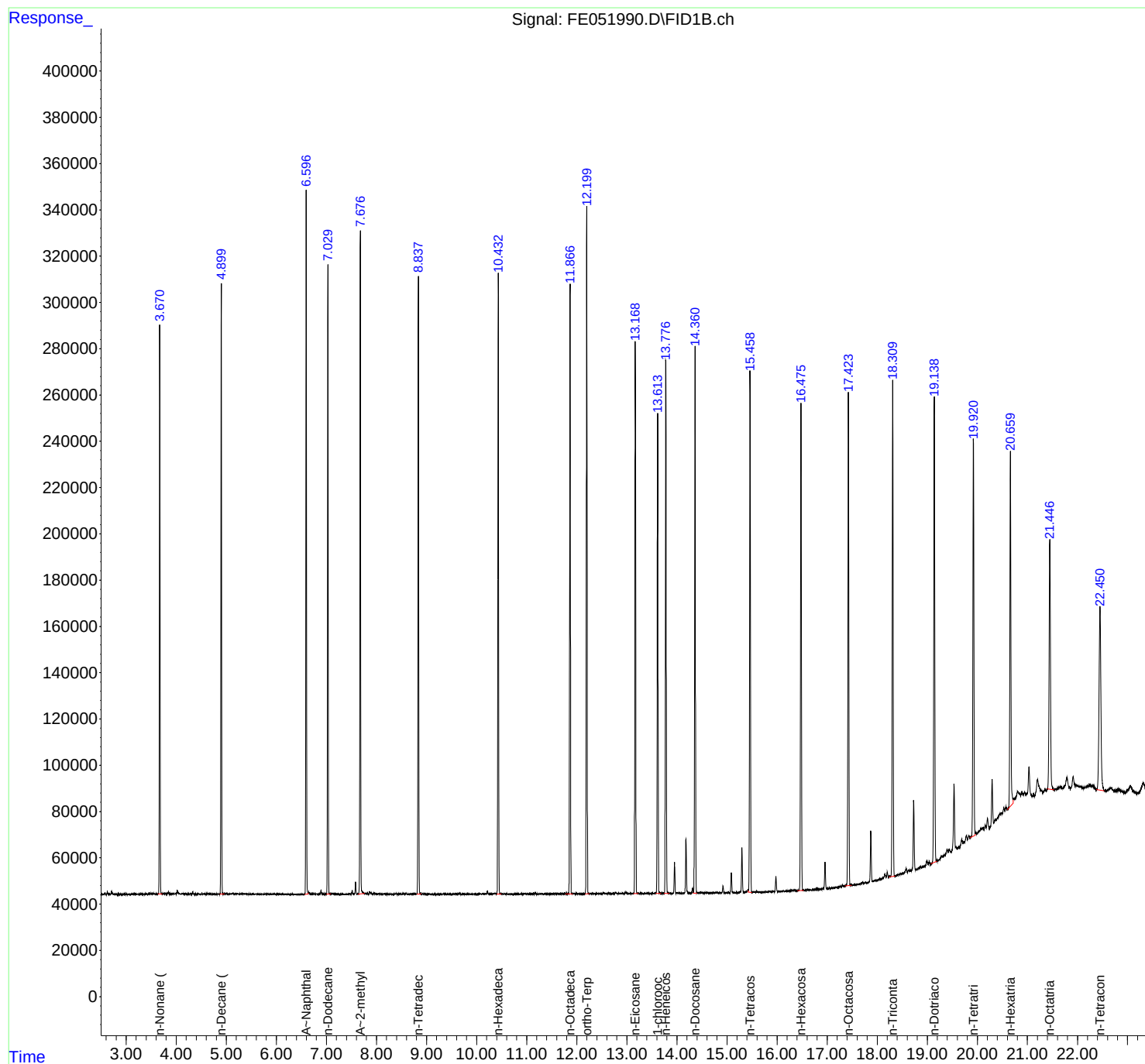
Instrument :
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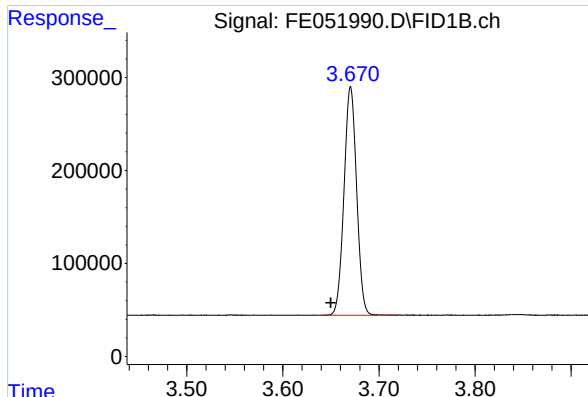
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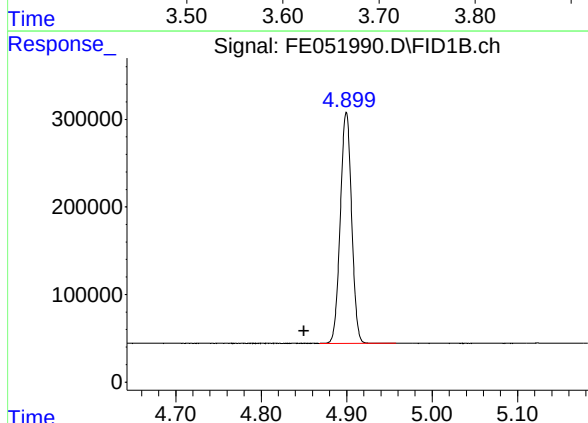
#1 n-Nonane (C9)

R.T.: 3.671 min
Delta R.T.: 0.021 min
Response: 2240407
Conc: 21.01 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

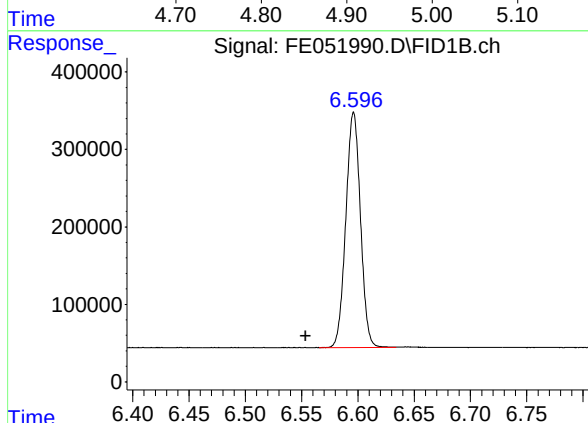
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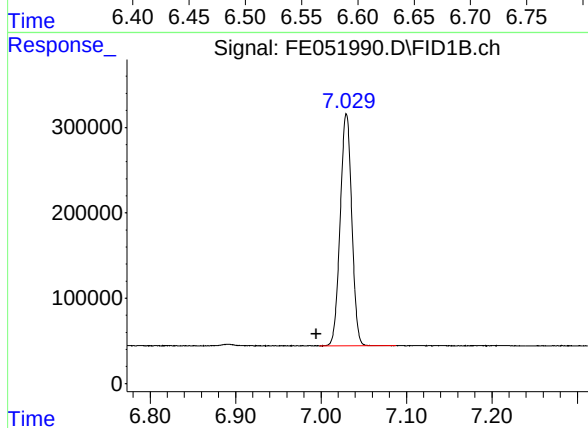
#2 n-Decane (C10)

R.T.: 4.900 min
Delta R.T.: 0.050 min
Response: 2427037
Conc: 22.17 ug/ml



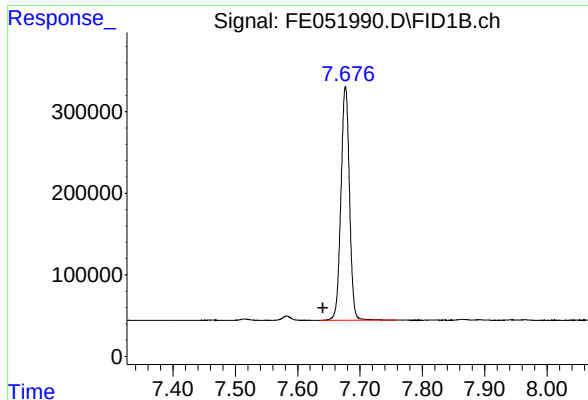
#3 n-Undecane (C11)

R.T.: 6.596 min
Delta R.T.: 0.042 min
Response: 2753457
Conc: 22.66 ug/ml



#4 n-Dodecane (C12)

R.T.: 7.030 min
Delta R.T.: 0.035 min
Response: 2556102
Conc: 22.65 ug/ml



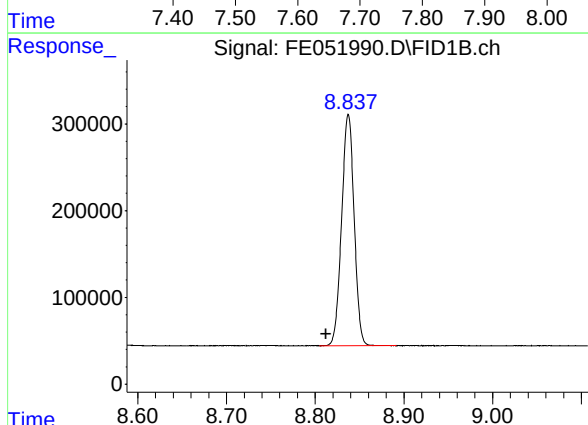
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.677 min
Delta R.T.: 0.036 min
Response: 2733342
Conc: 22.90 ug/ml

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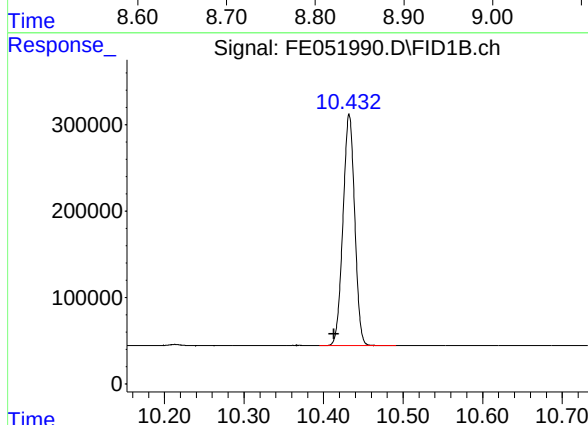
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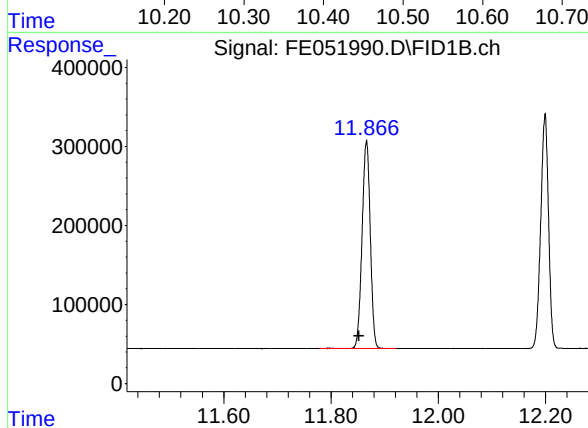
#6 n-Tetradecane (C14)

R.T.: 8.837 min
Delta R.T.: 0.025 min
Response: 2612854
Conc: 22.46 ug/ml



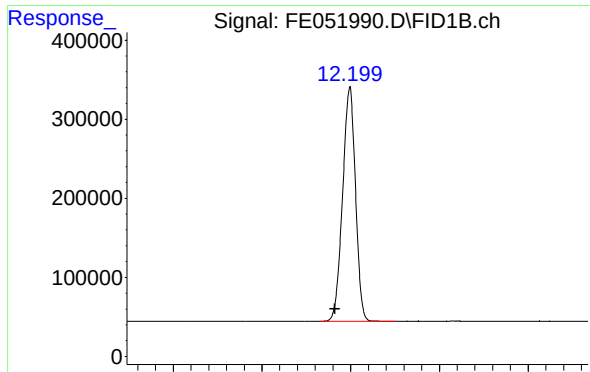
#7 n-Hexadecane (C16)

R.T.: 10.432 min
Delta R.T.: 0.019 min
Response: 2744835
Conc: 21.76 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.866 min
Delta R.T.: 0.014 min
Response: 2786556
Conc: 21.06 ug/ml



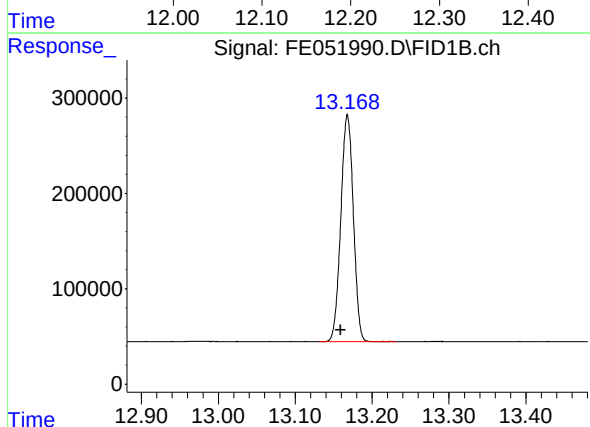
#9 ortho-Terphenyl (SURR)

R.T.: 12.199 min
Delta R.T.: 0.016 min
Response: 2991741
Conc: 20.93 ug/ml

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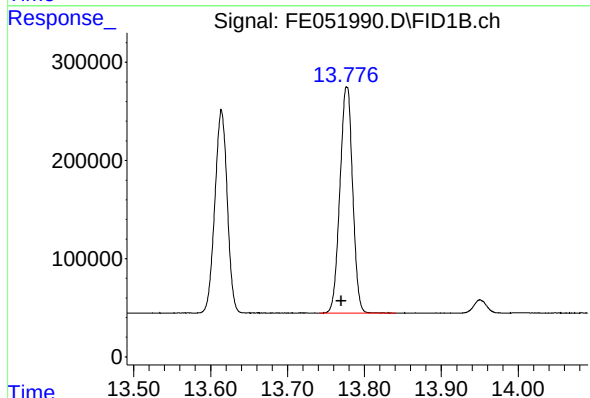
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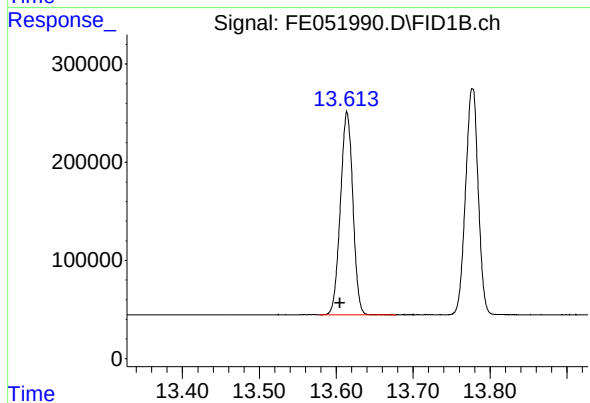
#10 n-Eicosane (C20)

R.T.: 13.168 min
Delta R.T.: 0.009 min
Response: 2692093
Conc: 20.54 ug/ml



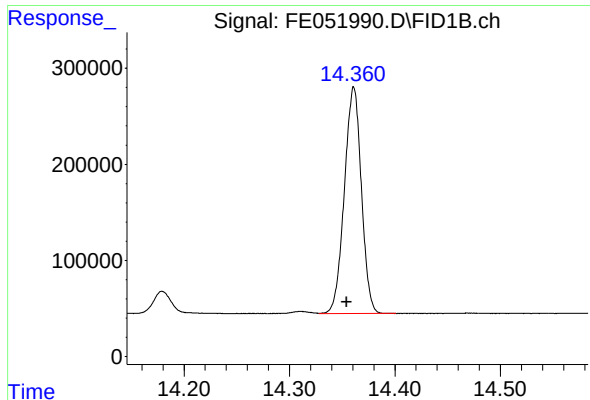
#11 n-Heneicosane (C21)

R.T.: 13.777 min
Delta R.T.: 0.007 min
Response: 2640055
Conc: 20.28 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.614 min
Delta R.T.: 0.009 min
Response: 2316586
Conc: 20.19 ug/ml



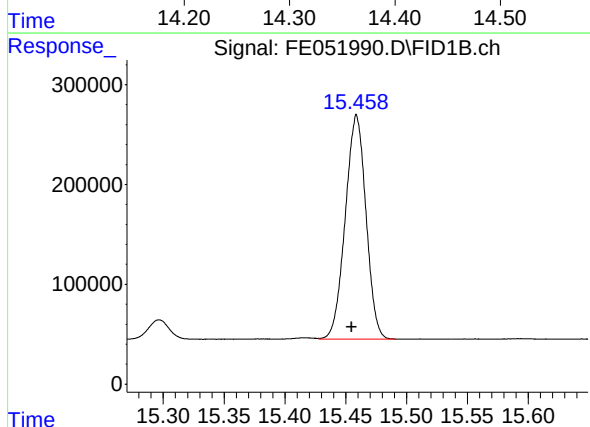
#13 n-Docosane (C22)

R.T.: 14.361 min
Delta R.T.: 0.007 min
Response: 2644515
Conc: 20.15 ug/ml

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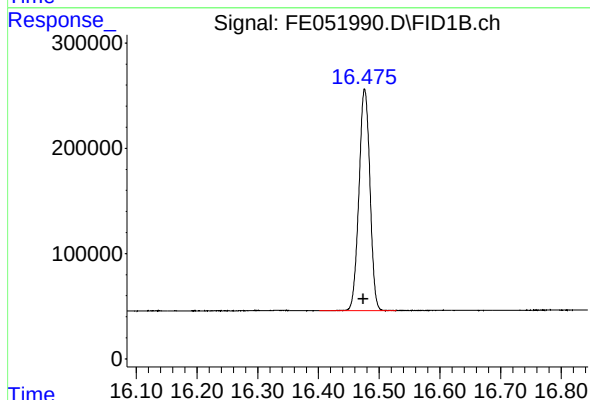
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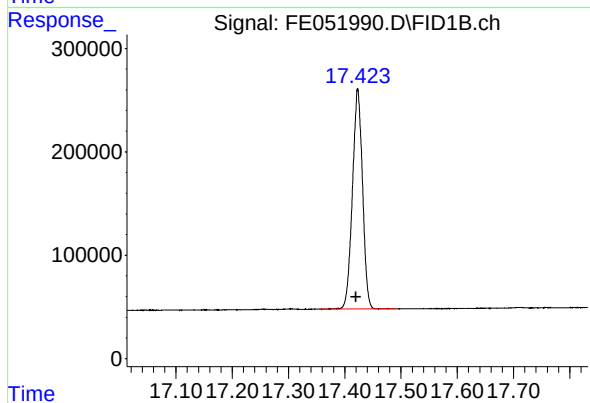
#14 n-Tetracosane (C24)

R.T.: 15.458 min
Delta R.T.: 0.003 min
Response: 2660975
Conc: 20.03 ug/ml



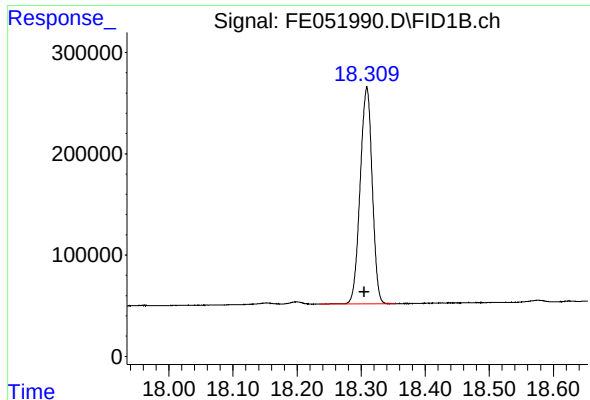
#15 n-Hexacosane (C26)

R.T.: 16.476 min
Delta R.T.: 0.002 min
Response: 2641838
Conc: 19.99 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.423 min
Delta R.T.: 0.003 min
Response: 2653493
Conc: 20.10 ug/ml



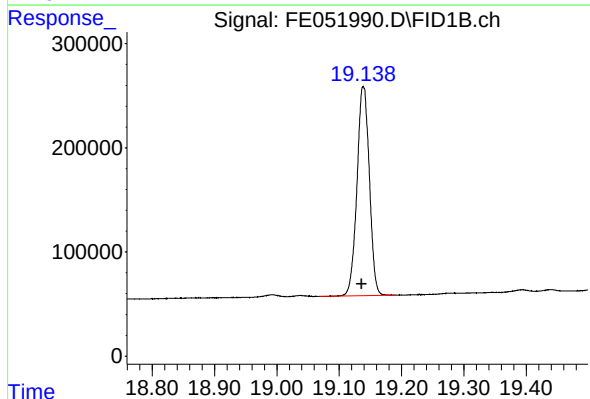
#17 n-Tricontane (C30)

R.T.: 18.309 min
Delta R.T.: 0.004 min
Response: 2797269
Conc: 20.52 ug/ml

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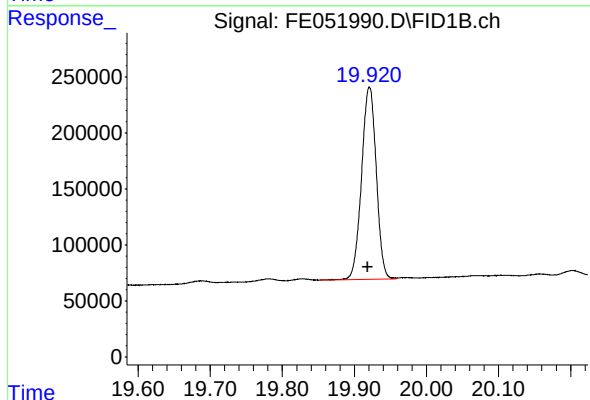
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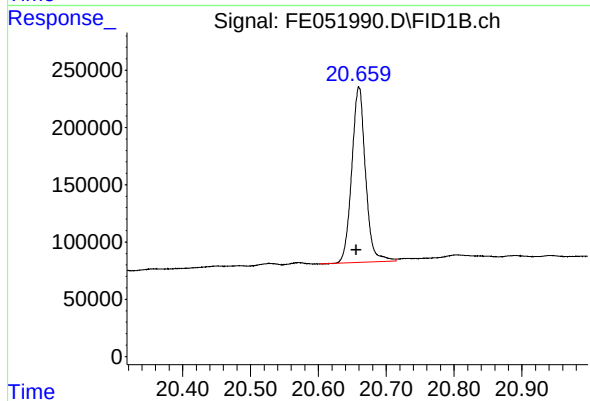
#18 n-Dotriacontane (C32)

R.T.: 19.139 min
Delta R.T.: 0.003 min
Response: 2774831
Conc: 21.17 ug/ml



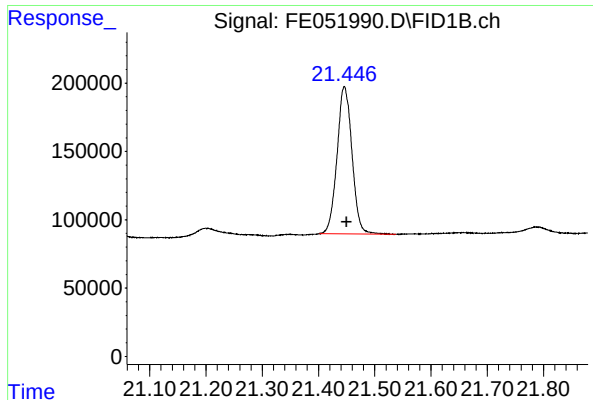
#19 n-Tetratriacontane (C34)

R.T.: 19.921 min
Delta R.T.: 0.002 min
Response: 2425572
Conc: 21.54 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.660 min
Delta R.T.: 0.004 min
Response: 2157108
Conc: 22.71 ug/ml



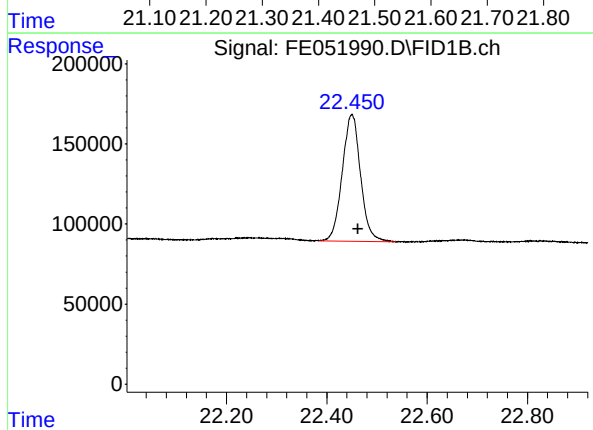
#21 n-Octatriacontane (C38)

R.T.: 21.446 min
Delta R.T.: -0.004 min
Response: 1998038
Conc: 23.13 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.450 min
Delta R.T.: -0.012 min
Response: 2003686
Conc: 24.31 ug/ml m