

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110124AL\
 Data File : FE050990.D
 Signal(s) : FID1B.ch
 Acq On : 02 Nov 2024 05:38
 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 11/04/2024
 Supervised By :Ankita Jodhani 11/04/2024

Integration File: sample.E
 Quant Time: Nov 04 03:13:22 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 07 16:32:18 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)	11.851	2912827	18.476 ug/mlm
Spiked Amount 50.000		Recovery =	36.95%
12) S 1-chlorooctadecane (S...	13.285	2236534	18.907 ug/ml
Spiked Amount 50.000		Recovery =	37.81%
Target Compounds			
1) T n-Nonane (C9)	3.240	2568590	18.179 ug/ml
2) T n-Decane (C10)	4.491	2660288	18.542 ug/ml
3) T A~Naphthalene (C11.7)	6.203	2540674	17.768 ug/ml
4) T n-Dodecane (C12)	6.659	2678918	18.612 ug/ml
5) T A~2-methylnaphthalene...	7.299	2362963	17.836 ug/ml
6) T n-Tetradecane (C14)	8.485	2654718	18.556 ug/ml
7) T n-Hexadecane (C16)	10.090	2752271	18.701 ug/ml
8) T n-Octadecane (C18)	11.531	2788047	18.665 ug/ml
10) T n-Eicosane (C20)	12.838	2688429	18.748 ug/ml
11) T n-Heneicosane (C21)	13.449	2631363	18.737 ug/ml
13) T n-Docosane (C22)	14.033	2646698	18.865 ug/mlm
14) T n-Tetracosane (C24)	15.136	2678738	18.961 ug/mlm
15) T n-Hexacosane (C26)	16.155	2720326	19.332 ug/mlm
16) T n-Octacosane (C28)	17.102	2937407	20.074 ug/ml
17) T n-Tricontane (C30)	17.989	3391008	21.327 ug/ml
18) T n-Dotriacontane (C32)	18.822	3566698	22.001 ug/ml
19) T n-Tetratriacontane (C34)	19.604	3124892	21.273 ug/ml
20) T n-Hexatriacontane (C36)	20.343	2647132	20.874 ug/mlm
21) T n-Octatriacontane (C38)	21.067	2241160	18.125 ug/ml
22) T n-Tetracontane (C40)	21.948	1821700	16.360 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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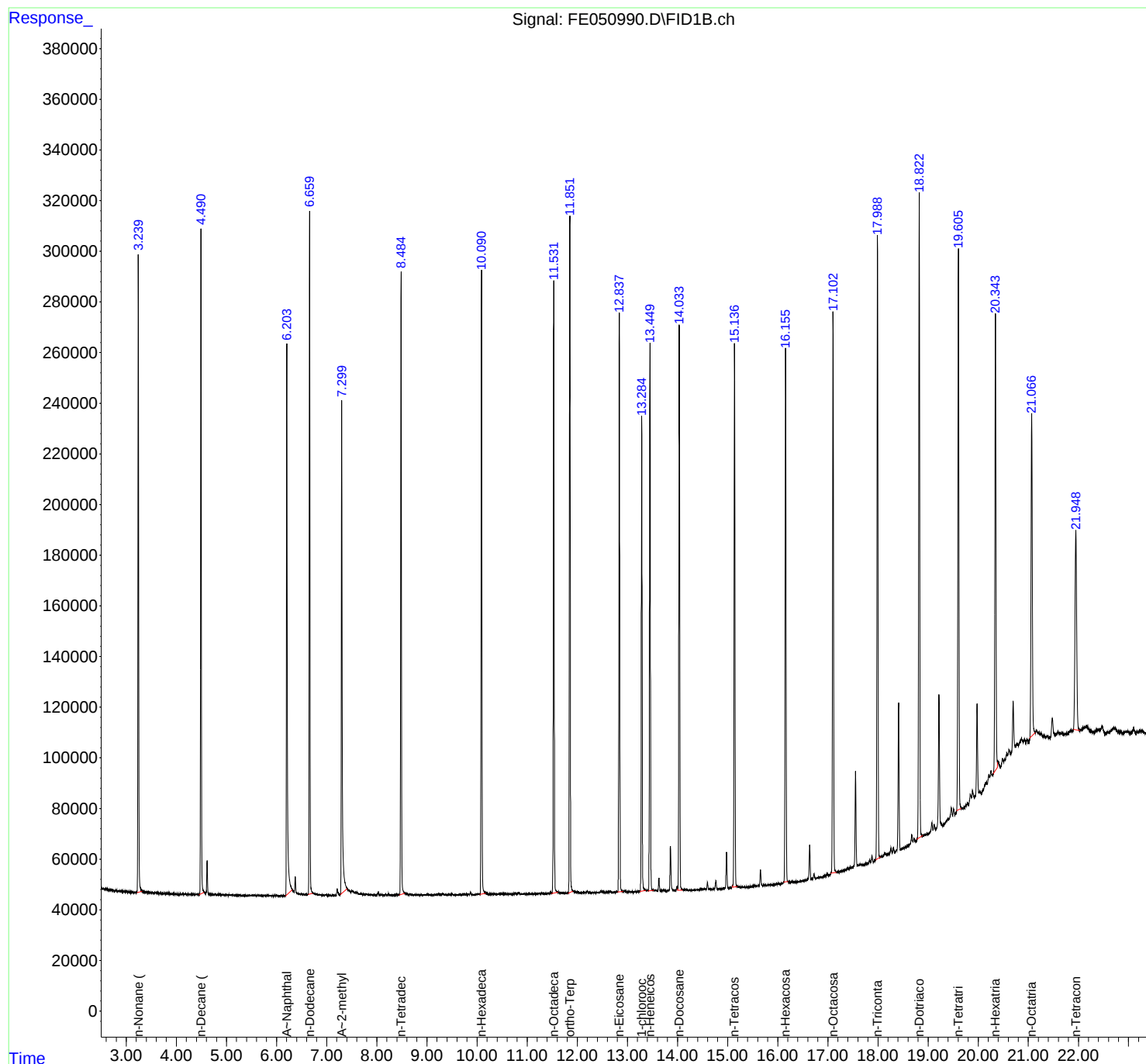
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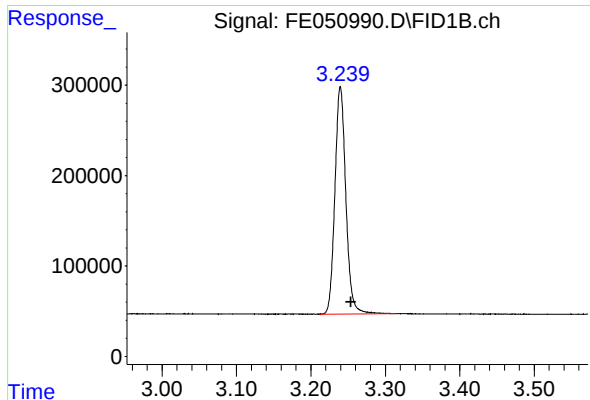
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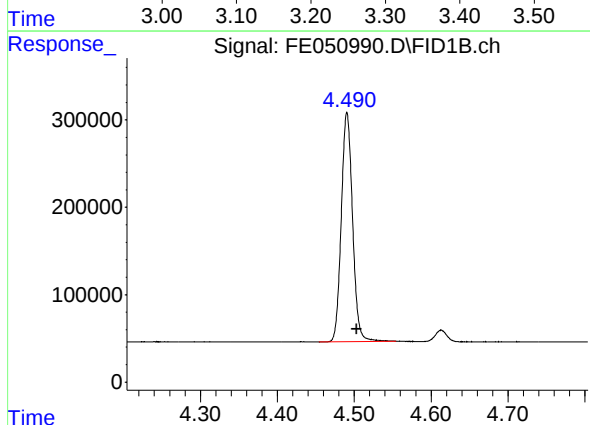
#1 n-Nonane (C9)

R.T.: 3.240 min
Delta R.T.: -0.014 min
Response: 2568590
Conc: 18.18 ug/ml

Instrument :
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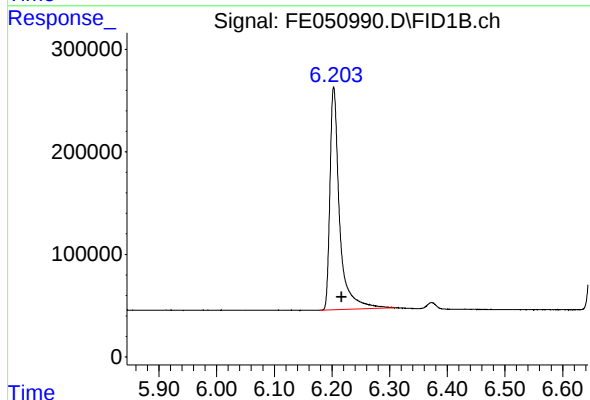
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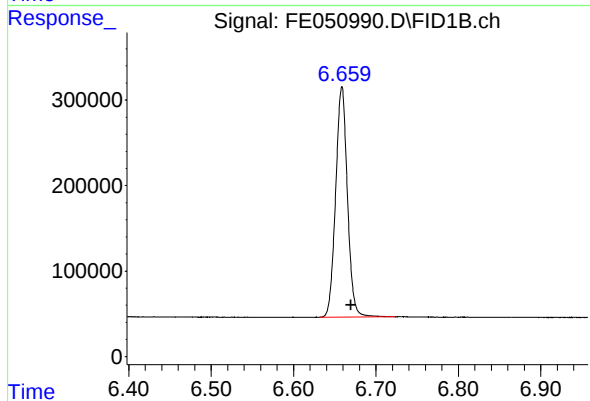
#2 n-Decane (C10)

R.T.: 4.491 min
Delta R.T.: -0.012 min
Response: 2660288
Conc: 18.54 ug/ml



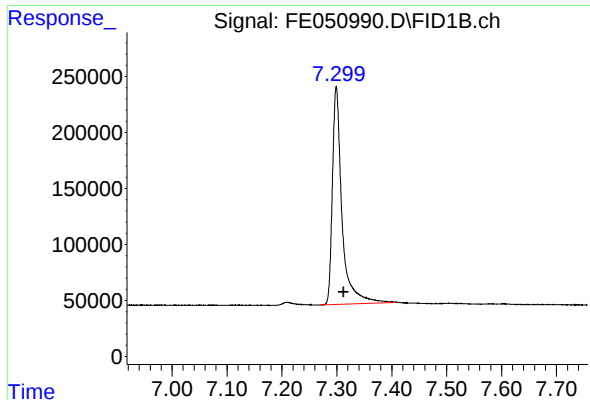
#3 A~Naphthalene (C11.7)

R.T.: 6.203 min
Delta R.T.: -0.013 min
Response: 2540674
Conc: 17.77 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.659 min
Delta R.T.: -0.011 min
Response: 2678918
Conc: 18.61 ug/ml



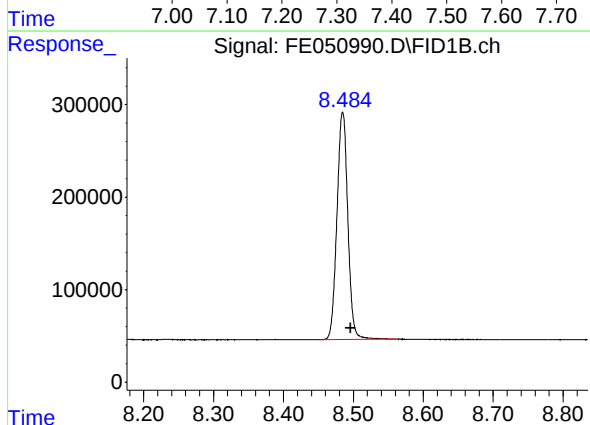
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.299 min
Delta R.T.: -0.014 min
Response: 2362963
Conc: 17.84 ug/ml

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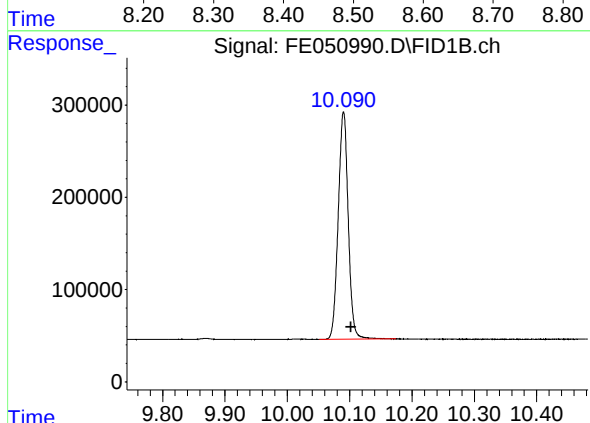
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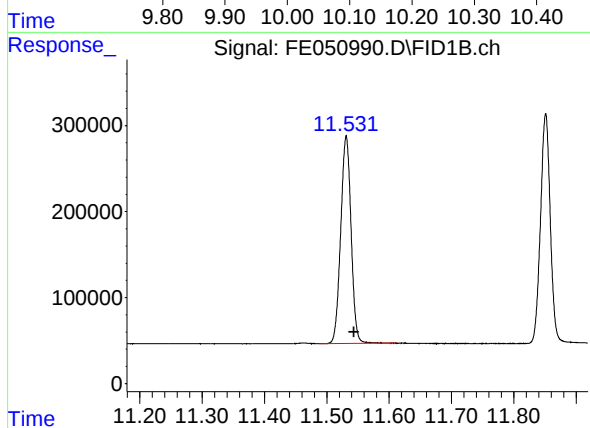
#6 n-Tetradecane (C14)

R.T.: 8.485 min
Delta R.T.: -0.012 min
Response: 2654718
Conc: 18.56 ug/ml



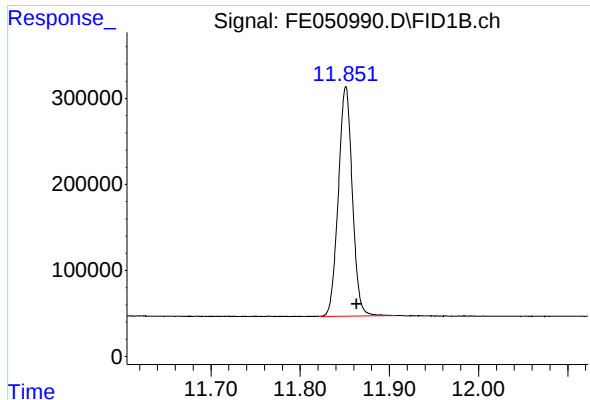
#7 n-Hexadecane (C16)

R.T.: 10.090 min
Delta R.T.: -0.012 min
Response: 2752271
Conc: 18.70 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.531 min
Delta R.T.: -0.013 min
Response: 2788047
Conc: 18.67 ug/ml



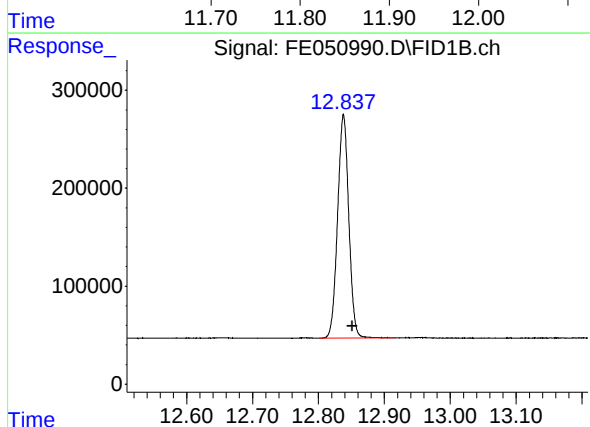
#9 ortho-Terphenyl (SURR)

R.T.: 11.851 min
Delta R.T.: -0.012 min
Response: 2912827
Conc: 18.48 ug/ml

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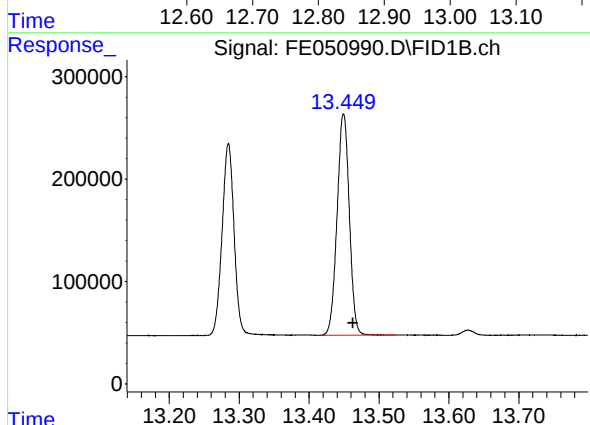
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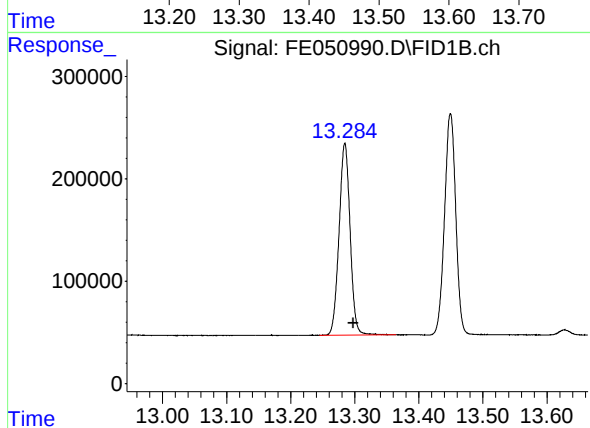
#10 n-Eicosane (C20)

R.T.: 12.838 min
Delta R.T.: -0.014 min
Response: 2688429
Conc: 18.75 ug/ml



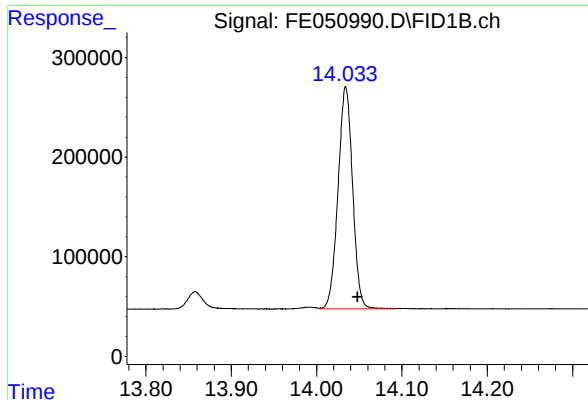
#11 n-Heneicosane (C21)

R.T.: 13.449 min
Delta R.T.: -0.013 min
Response: 2631363
Conc: 18.74 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.285 min
Delta R.T.: -0.013 min
Response: 2236534
Conc: 18.91 ug/ml



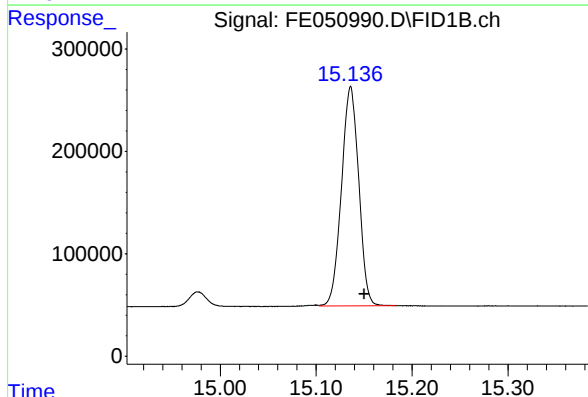
#13 n-Docosane (C22)

R.T.: 14.033 min
Delta R.T.: -0.014 min
Response: 2646698
Conc: 18.87 ug/ml

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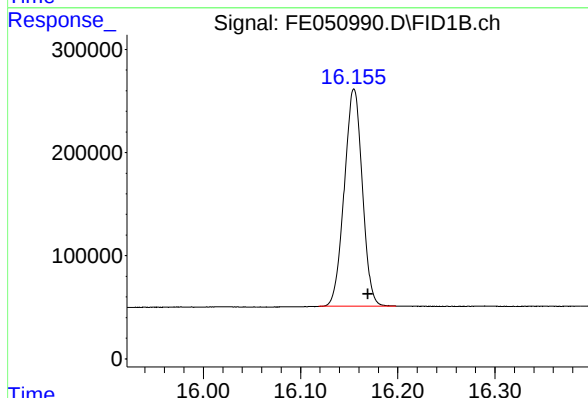
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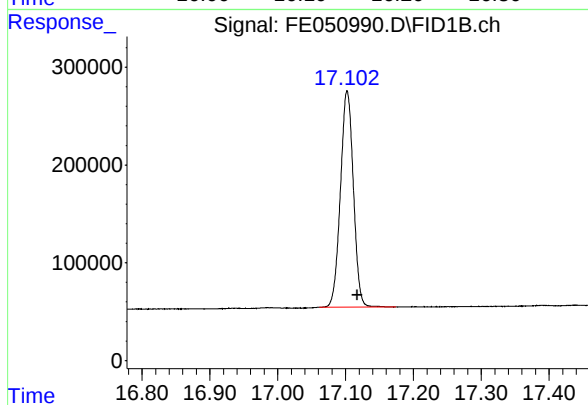
#14 n-Tetracosane (C24)

R.T.: 15.136 min
Delta R.T.: -0.014 min
Response: 2678738
Conc: 18.96 ug/ml m



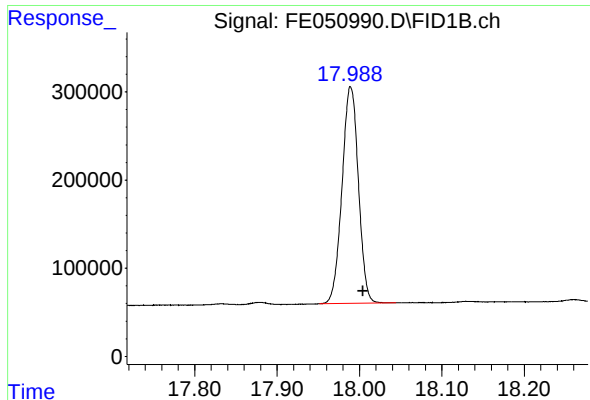
#15 n-Hexacosane (C26)

R.T.: 16.155 min
Delta R.T.: -0.015 min
Response: 2720326
Conc: 19.33 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.102 min
Delta R.T.: -0.015 min
Response: 2937407
Conc: 20.07 ug/ml



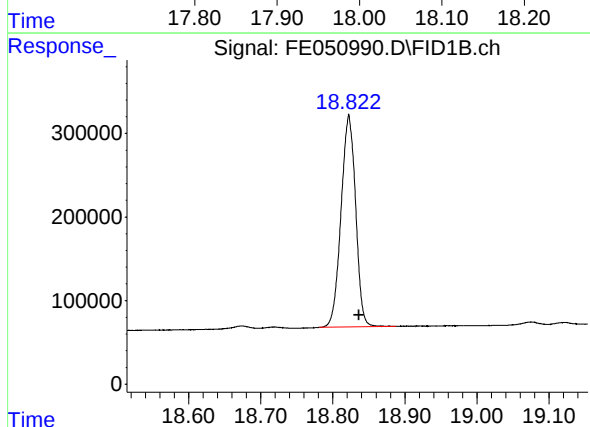
#17 n-Tricontane (C30)

R.T.: 17.989 min
Delta R.T.: -0.015 min
Response: 3391008
Conc: 21.33 ug/ml

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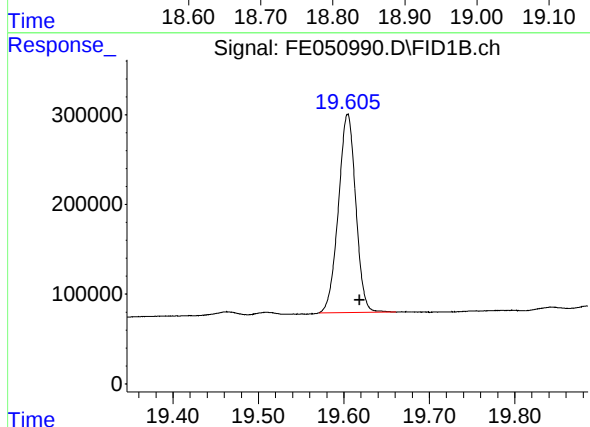
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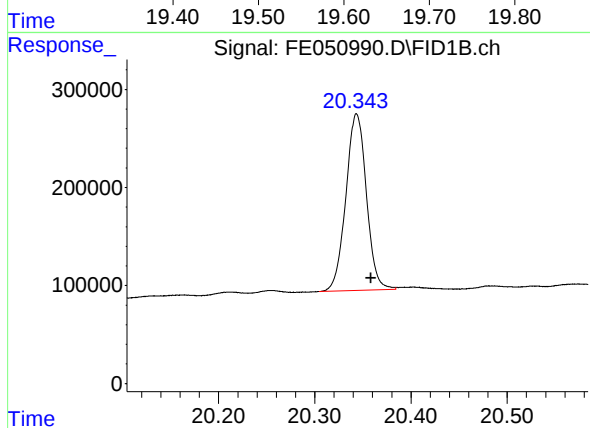
#18 n-Dotriacontane (C32)

R.T.: 18.822 min
Delta R.T.: -0.014 min
Response: 3566698
Conc: 22.00 ug/ml



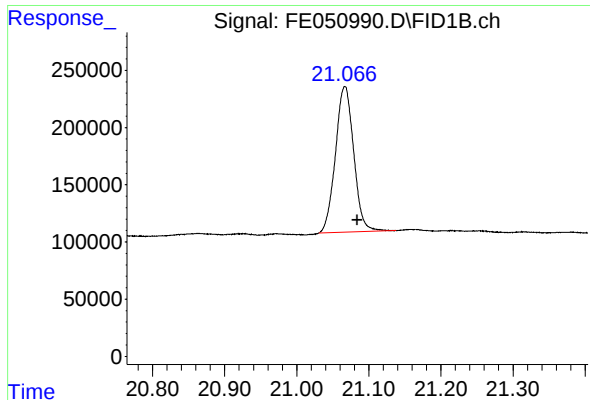
#19 n-Tetratriacontane (C34)

R.T.: 19.604 min
Delta R.T.: -0.014 min
Response: 3124892
Conc: 21.27 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.343 min
Delta R.T.: -0.016 min
Response: 2647132
Conc: 20.87 ug/ml m



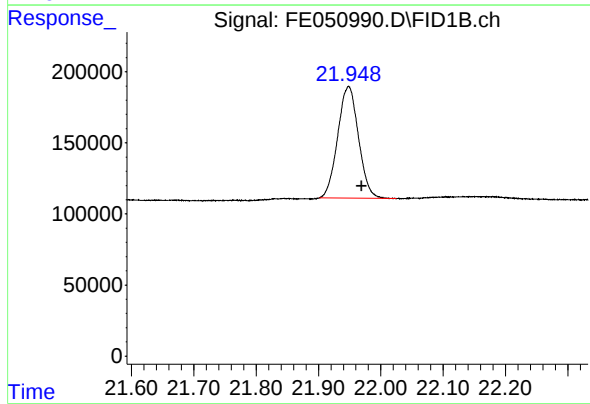
#21 n-Octatriacontane (C38)

R.T.: 21.067 min
Delta R.T.: -0.018 min
Response: 2241160
Conc: 18.13 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.948 min
Delta R.T.: -0.021 min
Response: 1821700
Conc: 16.36 ug/ml