

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112124AL\
 Data File : FE051398.D
 Signal(s) : FID1B.ch
 Acq On : 21 Nov 2024 20:21
 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 11/22/2024
 Supervised By :Ankita Jodhani 11/22/2024

Integration File: autoint1.e
 Quant Time: Nov 22 03:51:36 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 07 04:56:04 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)	11.840	3158353	21.042 ug/ml
Spiked Amount 50.000		Recovery =	42.08%
12) S 1-chlorooctadecane (S...	13.274	2427294	21.380 ug/ml
Spiked Amount 50.000		Recovery =	42.76%
Target Compounds			
1) T n-Nonane (C9)	3.230	2857981	20.655 ug/ml
2) T n-Decane (C10)	4.478	2890399	20.619 ug/ml
3) T A~Naphthalene (C11.7)	6.191	2812180	21.329 ug/mlm
4) T n-Dodecane (C12)	6.644	2924670	20.713 ug/ml
5) T A~2-methylnaphthalene...	7.288	2660903	21.271 ug/mlm
6) T n-Tetradecane (C14)	8.471	2867760	20.578 ug/ml
7) T n-Hexadecane (C16)	10.077	2944839	20.752 ug/ml
8) T n-Octadecane (C18)	11.518	2983141	20.890 ug/ml
10) T n-Eicosane (C20)	12.826	2887773	21.101 ug/ml
11) T n-Heneicosane (C21)	13.437	2834869	21.212 ug/ml
13) T n-Docosane (C22)	14.023	2808024	21.121 ug/ml
14) T n-Tetracosane (C24)	15.124	2772485	20.900 ug/ml
15) T n-Hexacosane (C26)	16.144	2723815	20.347 ug/ml
16) T n-Octacosane (C28)	17.093	2660572	19.516 ug/ml
17) T n-Tricontane (C30)	17.979	2690550	18.519 ug/ml
18) T n-Dotriacontane (C32)	18.811	2606667	17.555 ug/ml
19) T n-Tetratriacontane (C34)	19.594	2274800	16.930 ug/ml
20) T n-Hexatriacontane (C36)	20.333	2006809	16.819 ug/mlm
21) T n-Octatriacontane (C38)	21.054	1871697	16.445 ug/ml
22) T n-Tetracontane (C40)	21.934	1884643	16.945 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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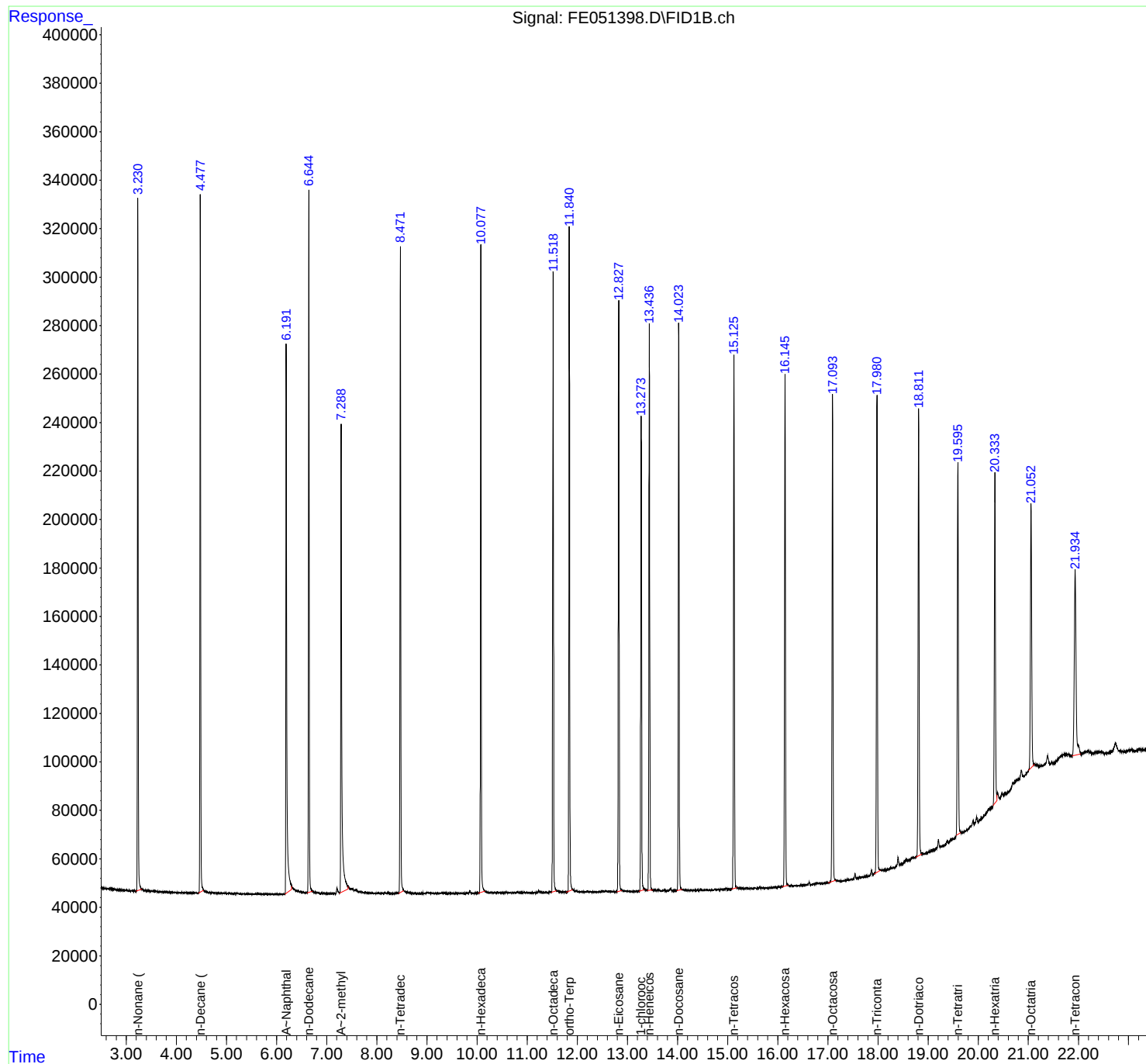
Instrument :
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20 PPM ALIPHATIC HC STD

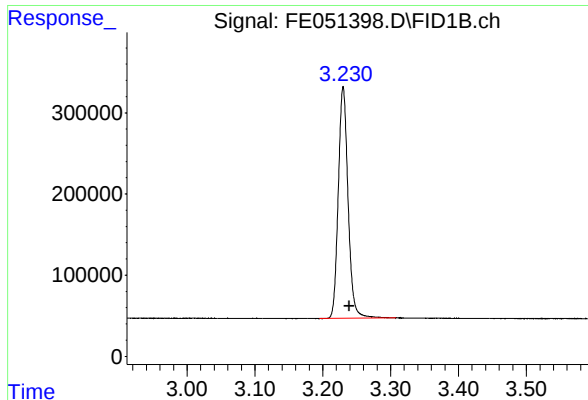
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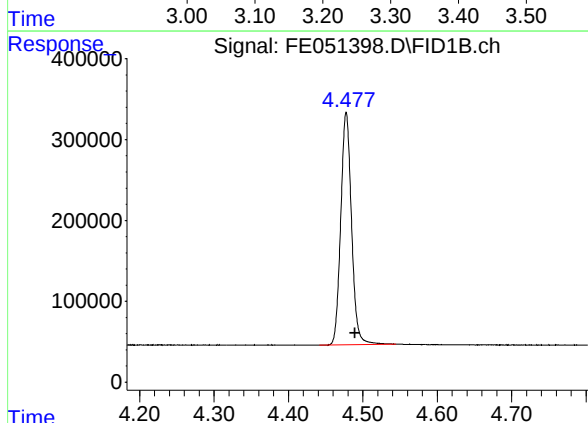
#1 n-Nonane (C9)

R.T.: 3.230 min
Delta R.T.: -0.009 min
Response: 2857981
Conc: 20.65 ug/ml

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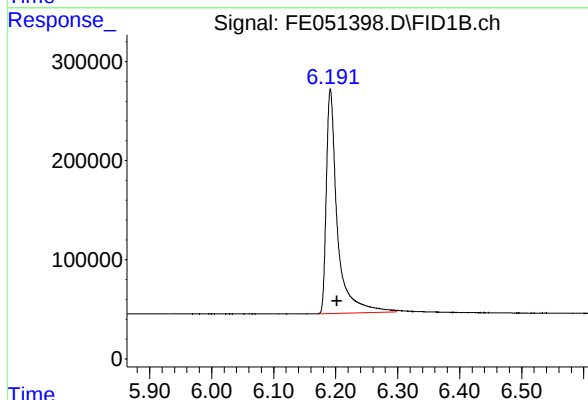
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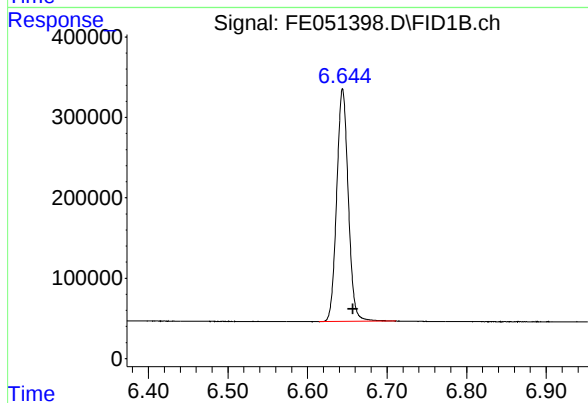
#2 n-Decane (C10)

R.T.: 4.478 min
Delta R.T.: -0.012 min
Response: 2890399
Conc: 20.62 ug/ml



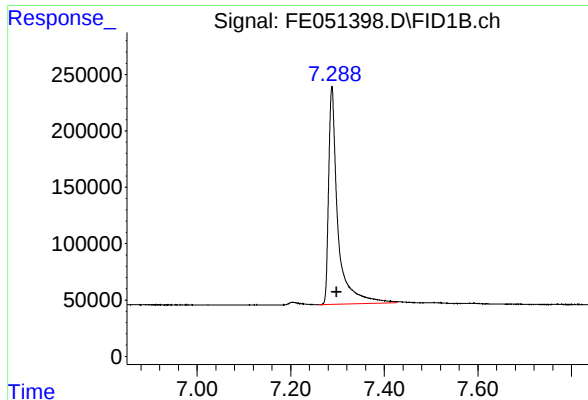
#3 A~Naphthalene (C11.7)

R.T.: 6.191 min
Delta R.T.: -0.011 min
Response: 2812180
Conc: 21.33 ug/ml m



#4 n-Dodecane (C12)

R.T.: 6.644 min
Delta R.T.: -0.013 min
Response: 2924670
Conc: 20.71 ug/ml



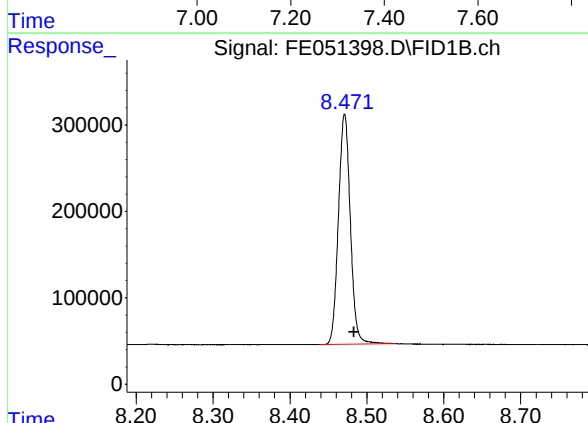
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.288 min
Delta R.T.: -0.010 min
Response: 2660903
Conc: 21.27 ug/ml

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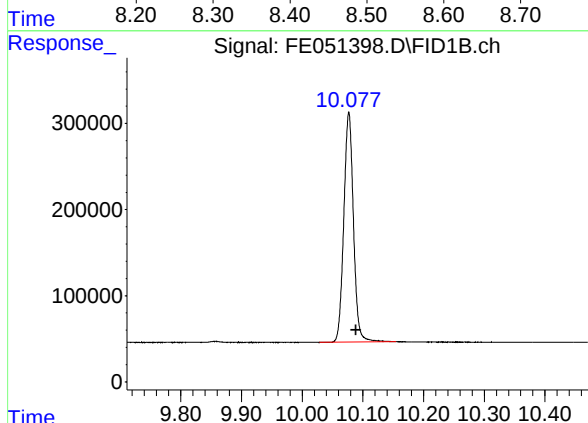
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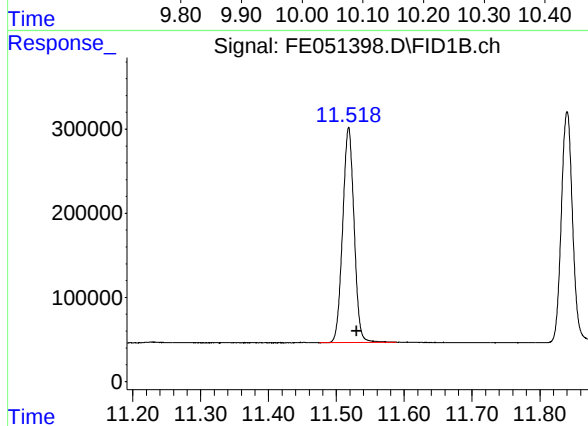
#6 n-Tetradecane (C14)

R.T.: 8.471 min
Delta R.T.: -0.012 min
Response: 2867760
Conc: 20.58 ug/ml



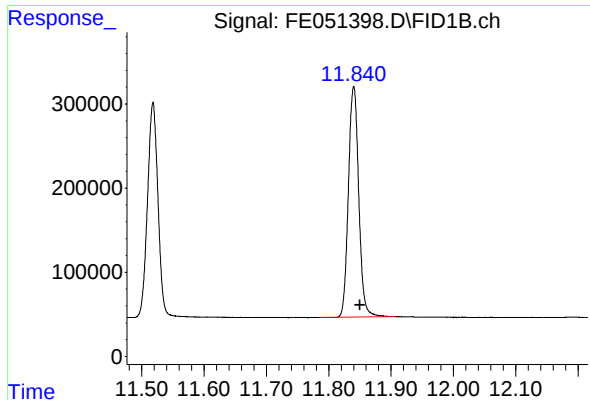
#7 n-Hexadecane (C16)

R.T.: 10.077 min
Delta R.T.: -0.012 min
Response: 2944839
Conc: 20.75 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.518 min
Delta R.T.: -0.012 min
Response: 2983141
Conc: 20.89 ug/ml



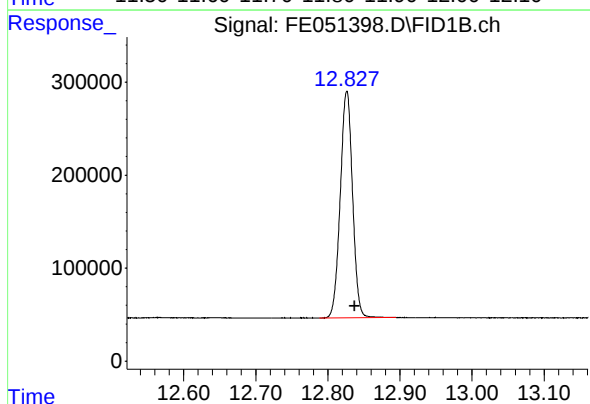
#9 ortho-Terphenyl (SURR)

R.T.: 11.840 min
Delta R.T.: -0.010 min
Response: 3158353
Conc: 21.04 ug/ml

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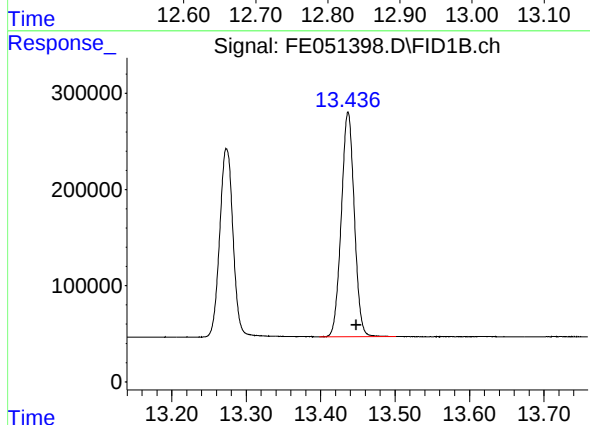
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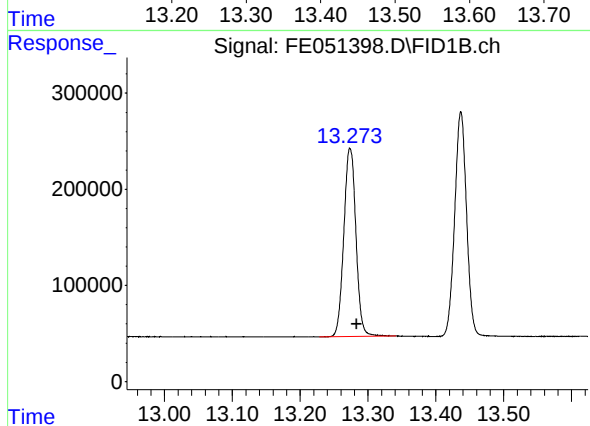
#10 n-Eicosane (C20)

R.T.: 12.826 min
Delta R.T.: -0.011 min
Response: 2887773
Conc: 21.10 ug/ml



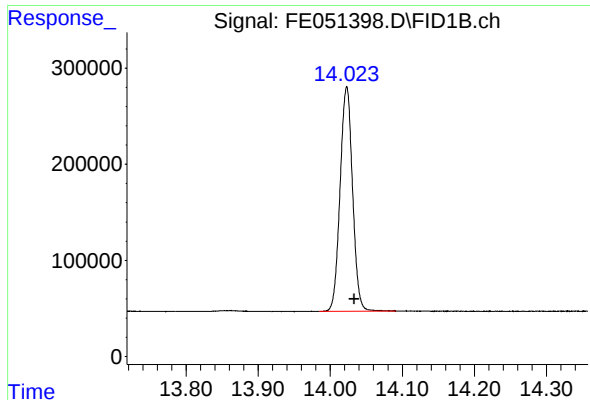
#11 n-Heneicosane (C21)

R.T.: 13.437 min
Delta R.T.: -0.011 min
Response: 2834869
Conc: 21.21 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.274 min
Delta R.T.: -0.009 min
Response: 2427294
Conc: 21.38 ug/ml



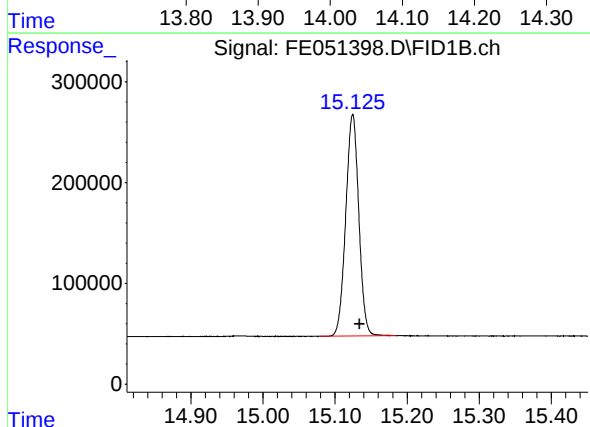
#13 n-Docosane (C22)

R.T.: 14.023 min
Delta R.T.: -0.011 min
Response: 2808024
Conc: 21.12 ug/ml

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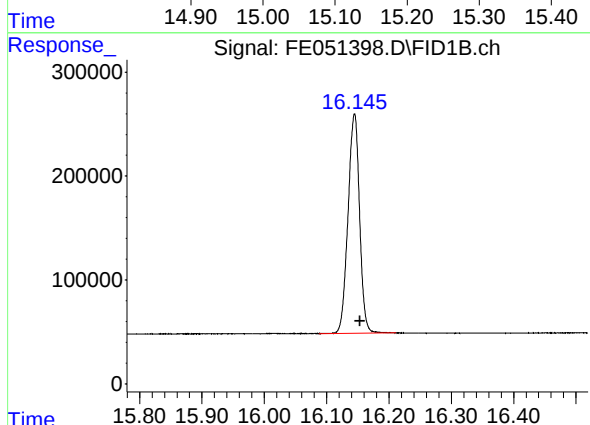
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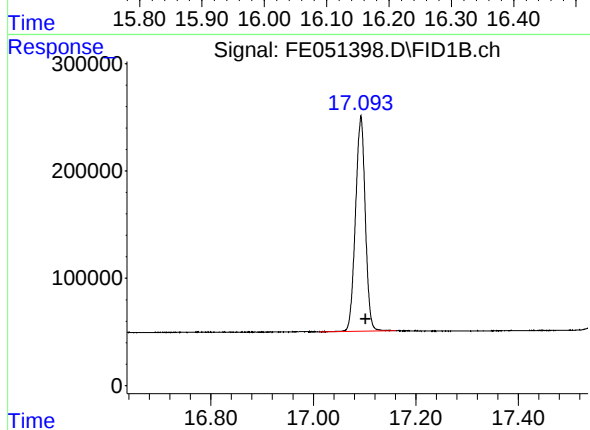
#14 n-Tetracosane (C24)

R.T.: 15.124 min
Delta R.T.: -0.010 min
Response: 2772485
Conc: 20.90 ug/ml



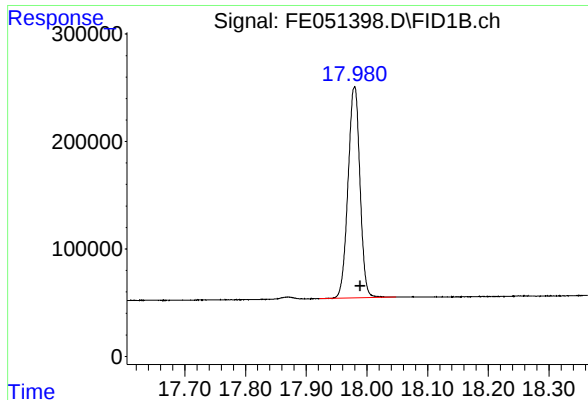
#15 n-Hexacosane (C26)

R.T.: 16.144 min
Delta R.T.: -0.009 min
Response: 2723815
Conc: 20.35 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.093 min
Delta R.T.: -0.009 min
Response: 2660572
Conc: 19.52 ug/ml



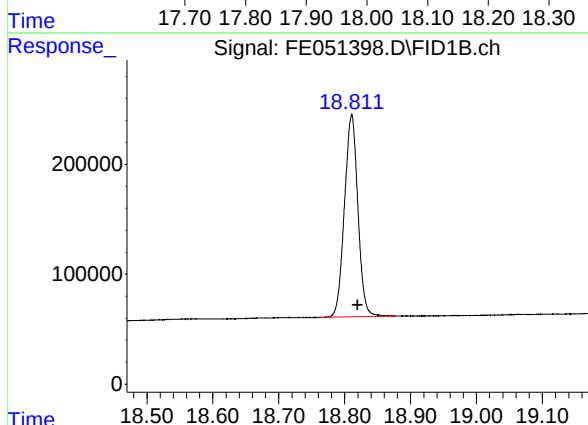
#17 n-Tricontane (C30)

R.T.: 17.979 min
Delta R.T.: -0.010 min
Response: 2690550
Conc: 18.52 ug/ml

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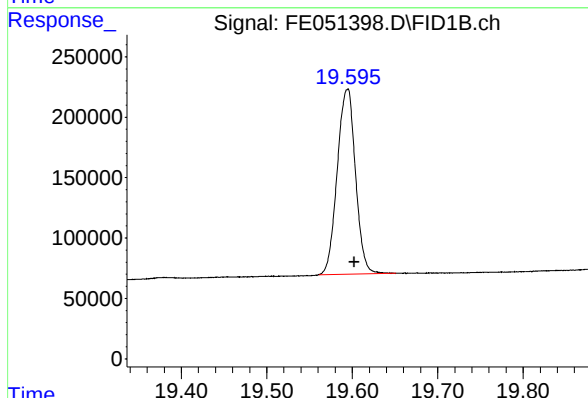
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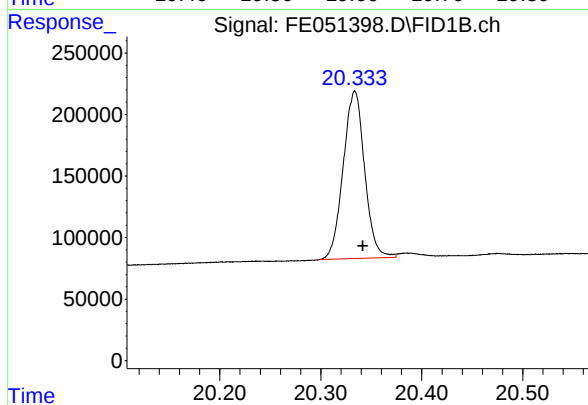
#18 n-Dotriacontane (C32)

R.T.: 18.811 min
Delta R.T.: -0.009 min
Response: 2606667
Conc: 17.56 ug/ml



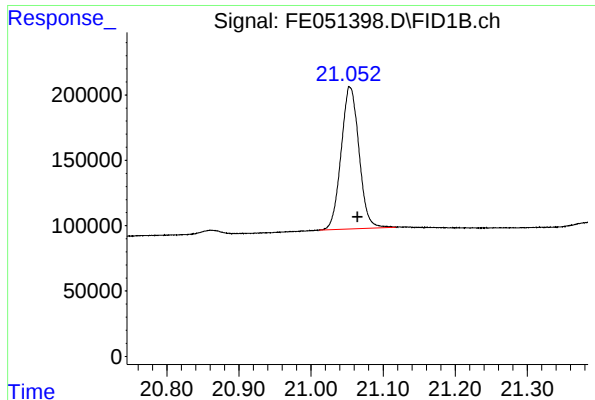
#19 n-Tetratriacontane (C34)

R.T.: 19.594 min
Delta R.T.: -0.008 min
Response: 2274800
Conc: 16.93 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.333 min
Delta R.T.: -0.008 min
Response: 2006809
Conc: 16.82 ug/ml m



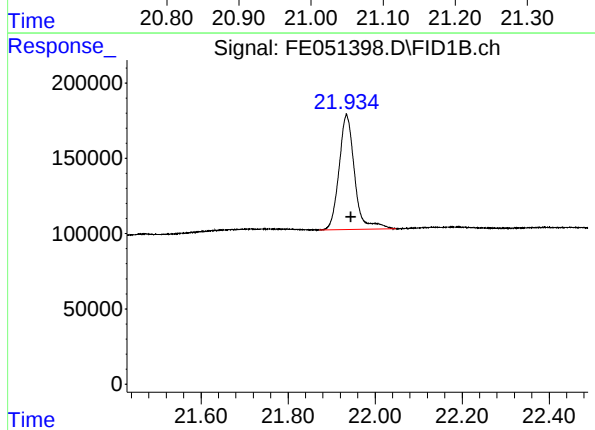
#21 n-Octatriacontane (C38)

R.T.: 21.054 min
Delta R.T.: -0.011 min
Response: 1871697
Conc: 16.44 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.934 min
Delta R.T.: -0.010 min
Response: 1884643
Conc: 16.95 ug/ml