

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081324AL\
 Data File : FE049578.D
 Signal(s) : FID1B.ch
 Acq On : 13 Aug 2024 07:04
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/14/2024
 Supervised By :Ankita Jodhani 08/14/2024

Integration File: autoint1.e
 Quant Time: Aug 14 01:04:00 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 071724.M
 Quant Title : GC Extractables
 QLast Update : Wed Jul 17 14:26:40 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)	11.888	2948785	19.012 ug/ml
Spiked Amount 50.000		Recovery =	38.02%
12) S 1-chlorooctadecane (S...	13.323	2245415	19.219 ug/ml
Spiked Amount 50.000		Recovery =	38.44%
Target Compounds			
1) T n-Nonane (C9)	3.279	2696819	17.932 ug/ml
2) T n-Decane (C10)	4.529	2830170	18.324 ug/ml
3) T A~Naphthalene (C11.7)	6.235	2861487	18.366 ug/ml
4) T n-Dodecane (C12)	6.695	2824755	18.345 ug/ml
5) T A~2-methylnaphthalene...	7.331	2696110	18.526 ug/ml
6) T n-Tetradecane (C14)	8.522	2774012	18.277 ug/ml
7) T n-Hexadecane (C16)	10.128	2832569	18.678 ug/ml
8) T n-Octadecane (C18)	11.570	2852753	18.789 ug/ml
10) T n-Eicosane (C20)	12.879	2729200	18.873 ug/ml
11) T n-Heneicosane (C21)	13.489	2691018	18.976 ug/ml
13) T n-Docosane (C22)	14.075	2668250	18.992 ug/ml
14) T n-Tetracosane (C24)	15.177	2697341	19.246 ug/ml
15) T n-Hexacosane (C26)	16.196	2683315	19.136 ug/ml
16) T n-Octacosane (C28)	17.145	2766792	19.767 ug/ml
17) T n-Tricontane (C30)	18.032	3039386	20.836 ug/ml
18) T n-Dotriacontane (C32)	18.862	3162139	21.506 ug/ml
19) T n-Tetratriacontane (C34)	19.646	3109733	21.289 ug/ml
20) T n-Hexatriacontane (C36)	20.386	2989630	20.738 ug/ml
21) T n-Octatriacontane (C38)	21.114	2960918	19.780 ug/ml
22) T n-Tetracontane (C40)	22.009	2826524	18.730 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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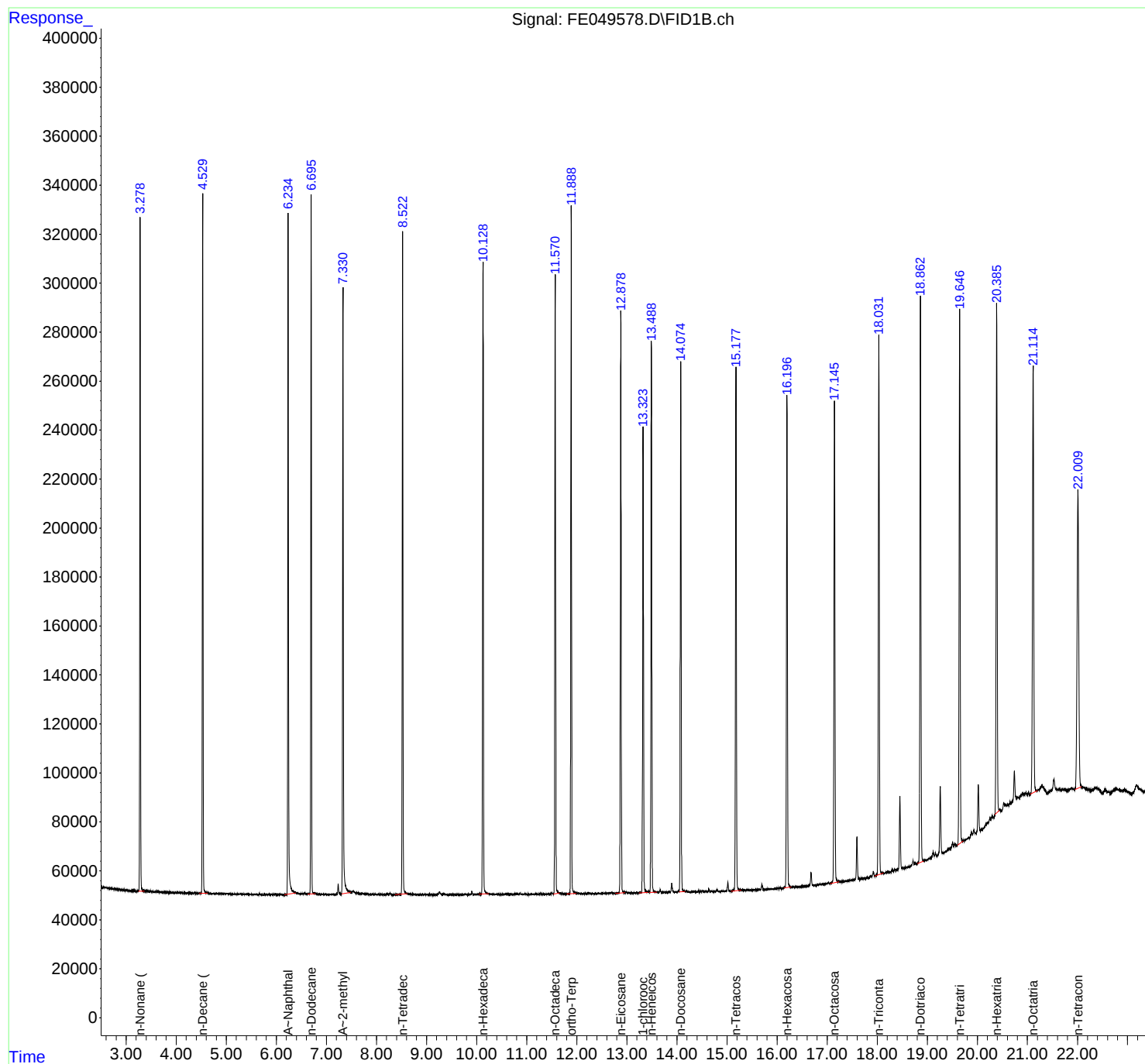
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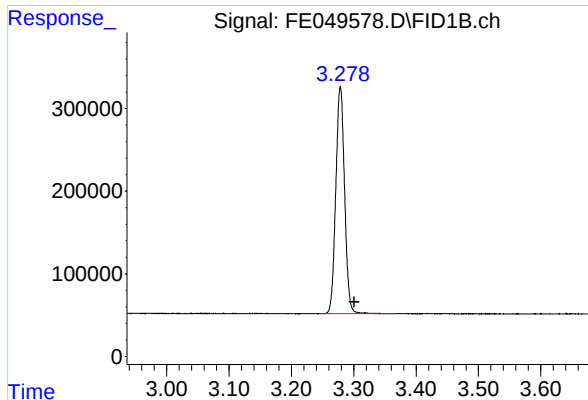
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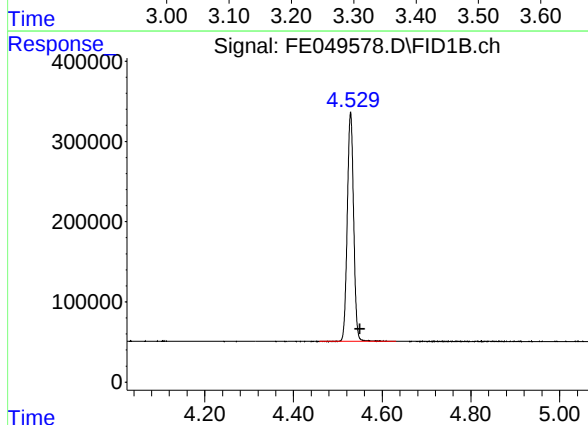
#1 n-Nonane (C9)

R.T.: 3.279 min
Delta R.T.: -0.022 min
Response: 2696819
Conc: 17.93 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

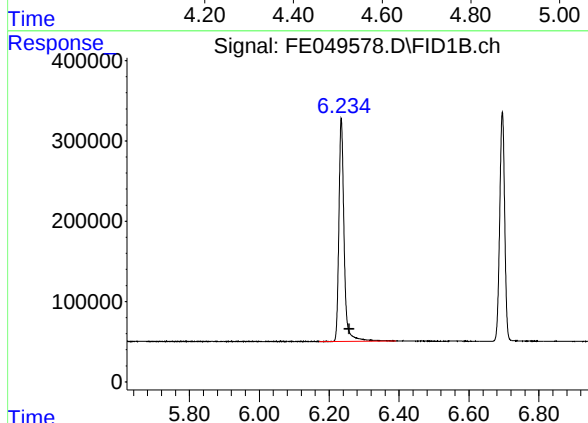
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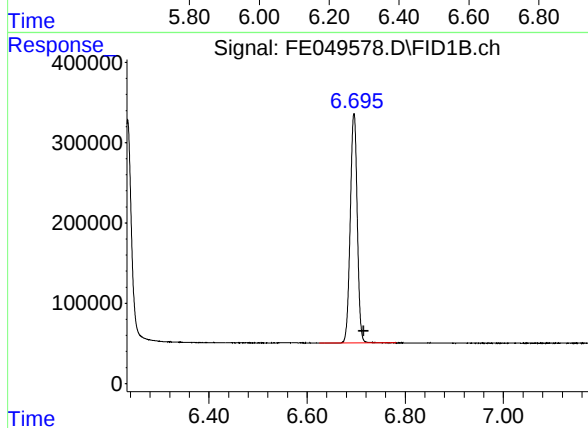
#2 n-Decane (C10)

R.T.: 4.529 min
Delta R.T.: -0.021 min
Response: 2830170
Conc: 18.32 ug/ml



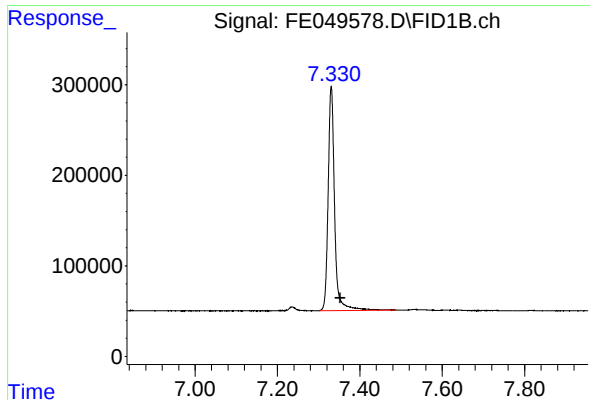
#3 A~Naphthalene (C11.7)

R.T.: 6.235 min
Delta R.T.: -0.022 min
Response: 2861487
Conc: 18.37 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.695 min
Delta R.T.: -0.020 min
Response: 2824755
Conc: 18.34 ug/ml



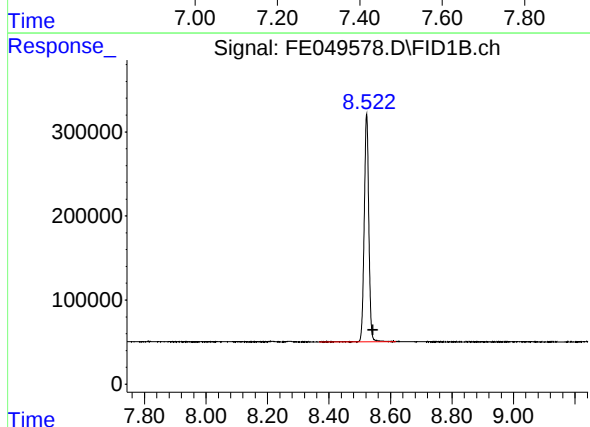
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.331 min
Delta R.T.: -0.022 min
Response: 2696110
Conc: 18.53 ug/ml

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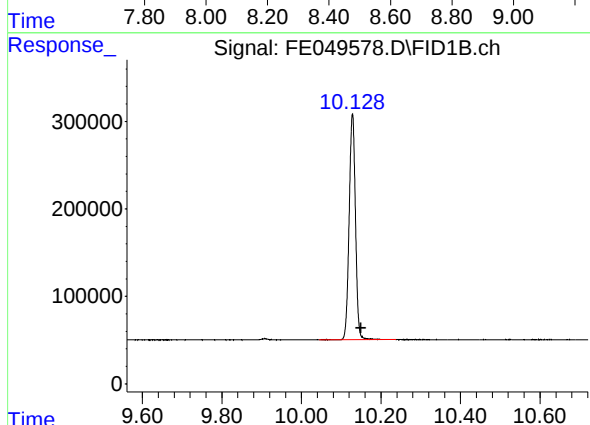
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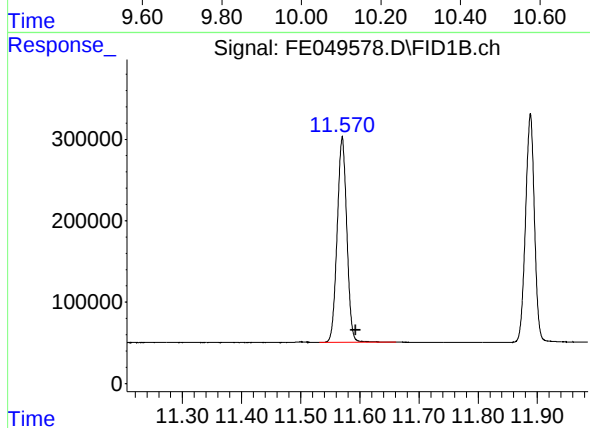
#6 n-Tetradecane (C14)

R.T.: 8.522 min
Delta R.T.: -0.021 min
Response: 2774012
Conc: 18.28 ug/ml



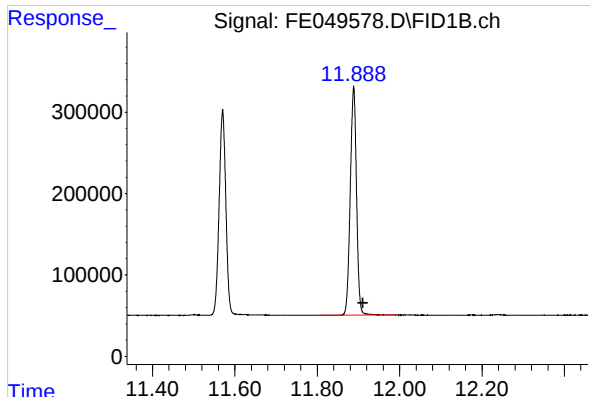
#7 n-Hexadecane (C16)

R.T.: 10.128 min
Delta R.T.: -0.021 min
Response: 2832569
Conc: 18.68 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.570 min
Delta R.T.: -0.023 min
Response: 2852753
Conc: 18.79 ug/ml



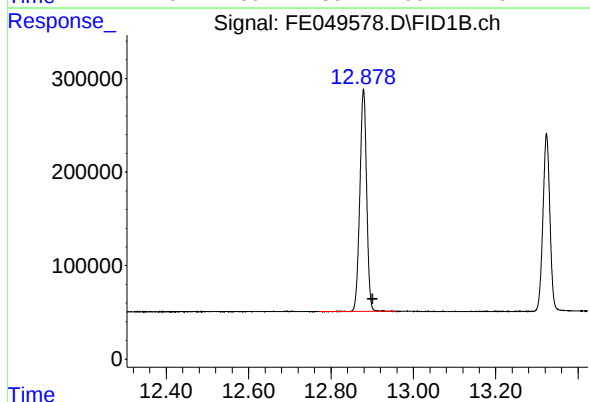
#9 ortho-Terphenyl (SURR)

R.T.: 11.888 min
Delta R.T.: -0.023 min
Response: 2948785
Conc: 19.01 ug/ml

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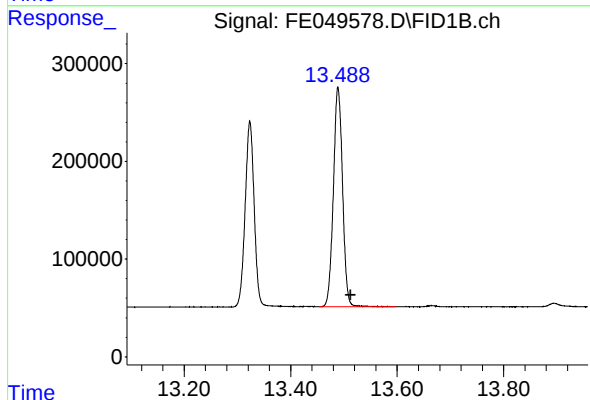
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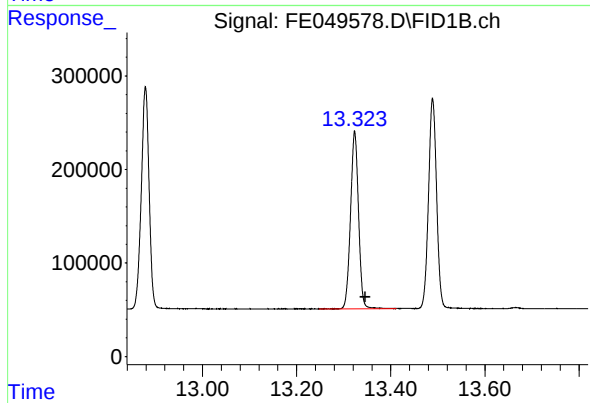
#10 n-Eicosane (C20)

R.T.: 12.879 min
Delta R.T.: -0.022 min
Response: 2729200
Conc: 18.87 ug/ml



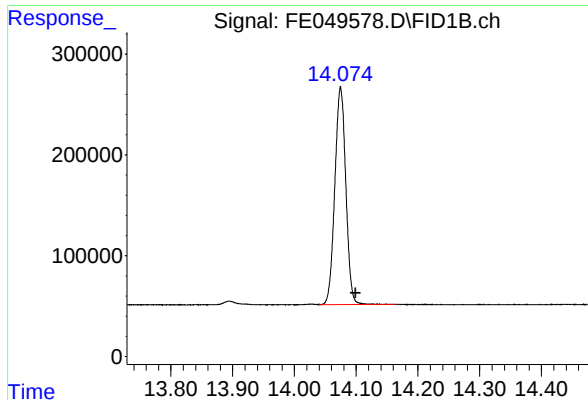
#11 n-Heneicosane (C21)

R.T.: 13.489 min
Delta R.T.: -0.024 min
Response: 2691018
Conc: 18.98 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.323 min
Delta R.T.: -0.023 min
Response: 2245415
Conc: 19.22 ug/ml



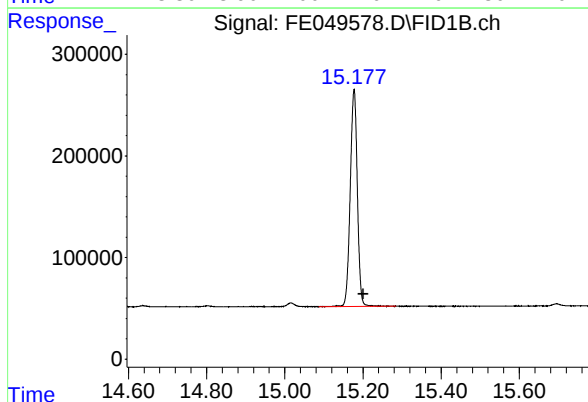
#13 n-Docosane (C22)

R.T.: 14.075 min
Delta R.T.: -0.024 min
Response: 2668250
Conc: 18.99 ug/ml

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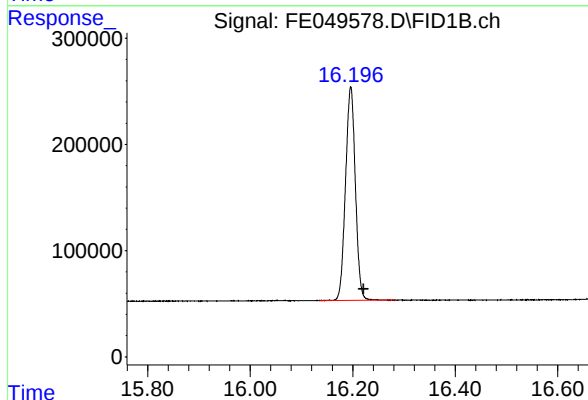
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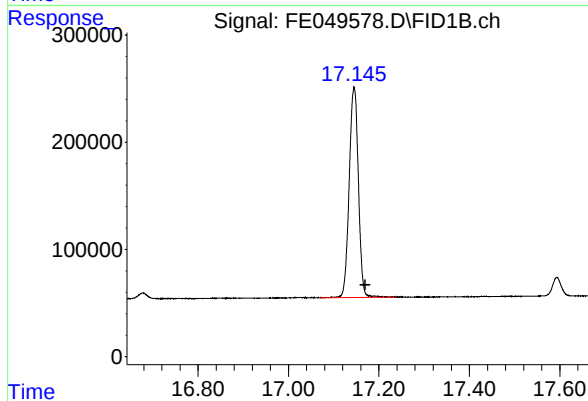
#14 n-Tetracosane (C24)

R.T.: 15.177 min
Delta R.T.: -0.023 min
Response: 2697341
Conc: 19.25 ug/ml



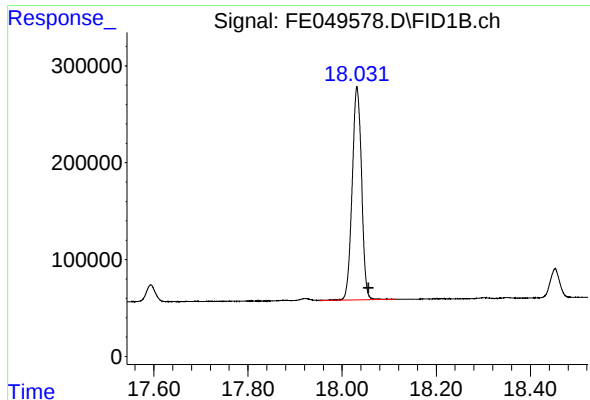
#15 n-Hexacosane (C26)

R.T.: 16.196 min
Delta R.T.: -0.025 min
Response: 2683315
Conc: 19.14 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.145 min
Delta R.T.: -0.025 min
Response: 2766792
Conc: 19.77 ug/ml



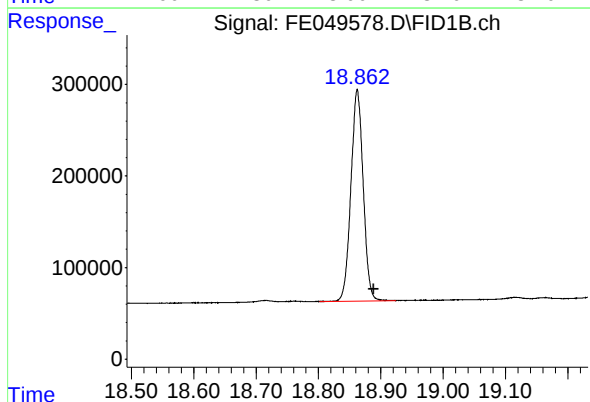
#17 n-Tricontane (C30)

R.T.: 18.032 min
Delta R.T.: -0.025 min
Response: 3039386
Conc: 20.84 ug/ml

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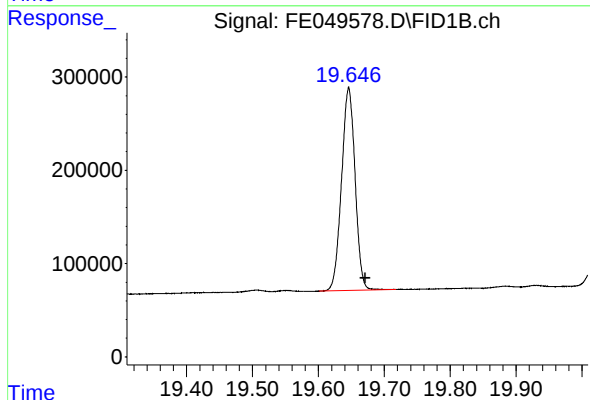
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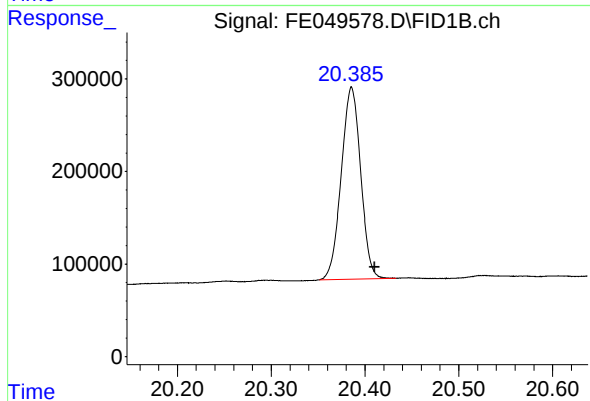
#18 n-Dotriacontane (C32)

R.T.: 18.862 min
Delta R.T.: -0.026 min
Response: 3162139
Conc: 21.51 ug/ml



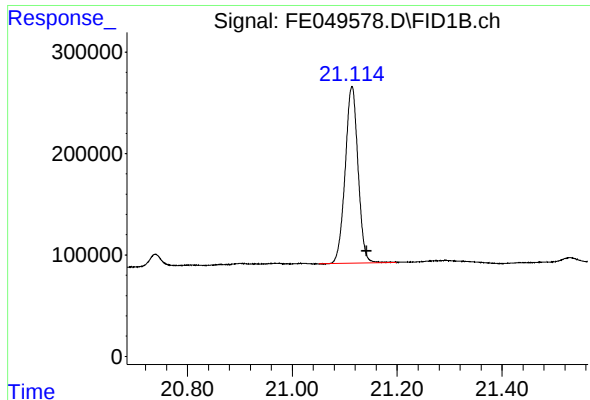
#19 n-Tetratriacontane (C34)

R.T.: 19.646 min
Delta R.T.: -0.025 min
Response: 3109733
Conc: 21.29 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.386 min
Delta R.T.: -0.025 min
Response: 2989630
Conc: 20.74 ug/ml



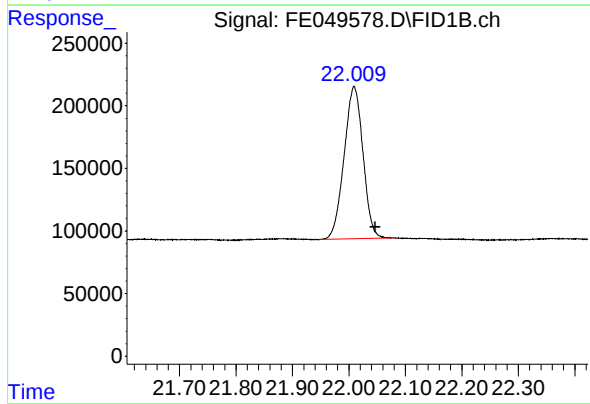
#21 n-Octatriacontane (C38)

R.T.: 21.114 min
Delta R.T.: -0.028 min
Response: 2960918
Conc: 19.78 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.009 min
Delta R.T.: -0.038 min
Response: 2826524
Conc: 18.73 ug/ml m