

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE071124AL\
 Data File : FE049093.D
 Signal(s) : FID1B.ch
 Acq On : 12 Jul 2024 03:26
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/12/2024
 Supervised By :Ankita Jodhani 07/12/2024

Integration File: autoint1.e
 Quant Time: Jul 12 05:13:17 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062124.M
 Quant Title : GC Extractables
 QLast Update : Thu Jun 20 17:53:58 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)	11.919	2683716	16.050 ug/ml
Spiked Amount 50.000		Recovery =	32.10%
12) S 1-chlorooctadecane (S...	13.353	2068749	16.088 ug/mlm
Spiked Amount 50.000		Recovery =	32.18%
Target Compounds			
1) T n-Nonane (C9)	3.308	2545305	16.930 ug/ml
2) T n-Decane (C10)	4.557	2652326	17.235 ug/ml
3) T A~Naphthalene (C11.7)	6.263	2671017	16.825 ug/ml
4) T n-Dodecane (C12)	6.722	2623029	16.991 ug/ml
5) T A~2-methylnaphthalene...	7.359	2519953	16.640 ug/ml
6) T n-Tetradecane (C14)	8.550	2578075	16.821 ug/ml
7) T n-Hexadecane (C16)	10.158	2633006	16.840 ug/ml
8) T n-Octadecane (C18)	11.600	2637837	16.540 ug/ml
10) T n-Eicosane (C20)	12.909	2519511	16.251 ug/ml
11) T n-Heneicosane (C21)	13.521	2469361	16.218 ug/ml
13) T n-Docosane (C22)	14.106	2460294	16.268 ug/ml
14) T n-Tetracosane (C24)	15.209	2491710	16.580 ug/ml
15) T n-Hexacosane (C26)	16.228	2490156	16.867 ug/ml
16) T n-Octacosane (C28)	17.177	2565685	17.791 ug/ml
17) T n-Tricontane (C30)	18.064	2849092	19.474 ug/ml
18) T n-Dotriacontane (C32)	18.896	2947694	20.616 ug/ml
19) T n-Tetratriacontane (C34)	19.679	2839736	20.523 ug/ml
20) T n-Hexatriacontane (C36)	20.417	2683209	20.645 ug/mlm
21) T n-Octatriacontane (C38)	21.149	2654799	20.709 ug/mlm
22) T n-Tetracontane (C40)	22.060	2614529	21.350 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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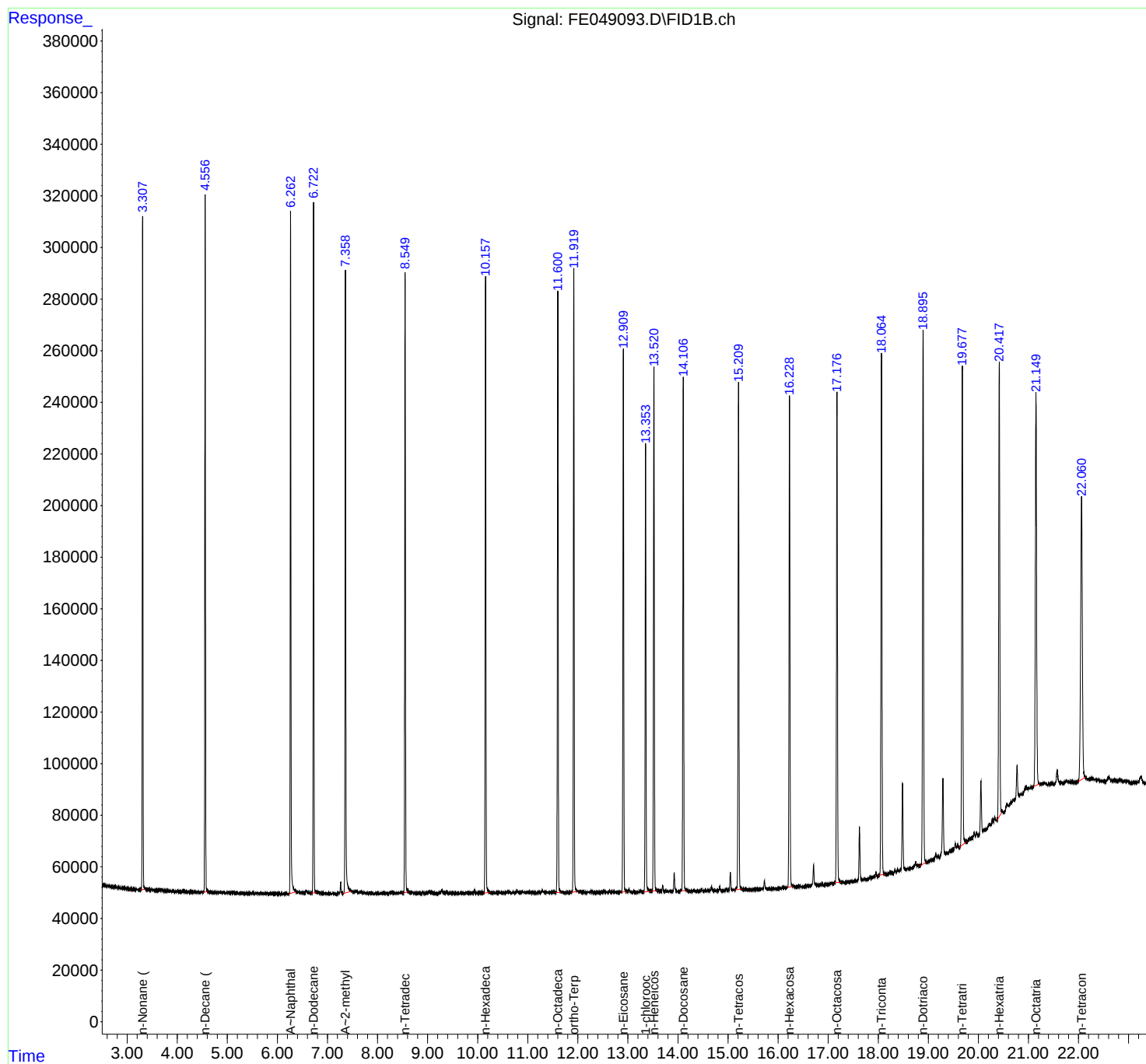
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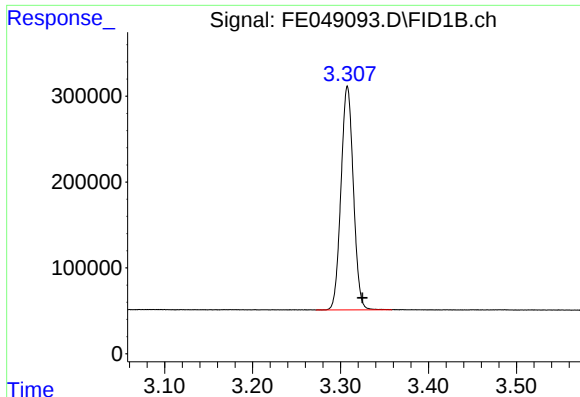
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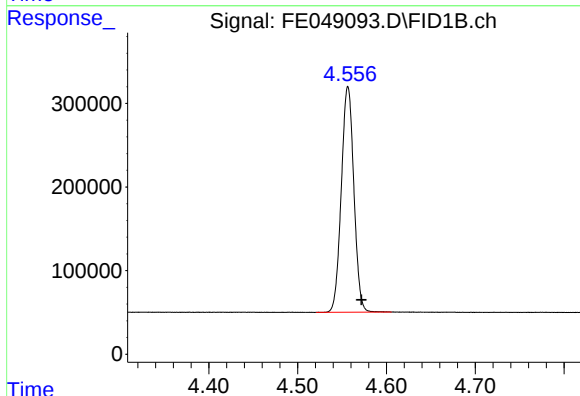
#1 n-Nonane (C9)

R.T.: 3.308 min
Delta R.T.: -0.017 min
Response: 2545305
Conc: 16.93 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

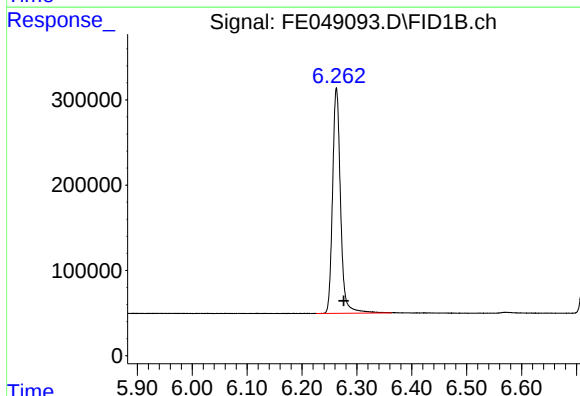
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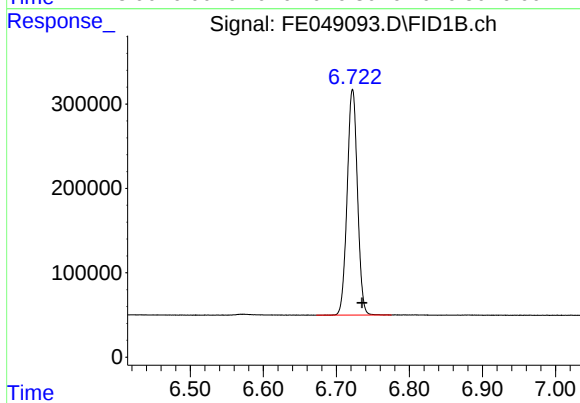
#2 n-Decane (C10)

R.T.: 4.557 min
Delta R.T.: -0.015 min
Response: 2652326
Conc: 17.24 ug/ml



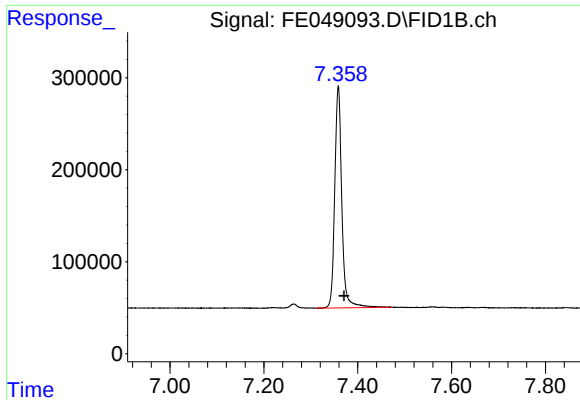
#3 A~Naphthalene (C11.7)

R.T.: 6.263 min
Delta R.T.: -0.013 min
Response: 2671017
Conc: 16.82 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.722 min
Delta R.T.: -0.013 min
Response: 2623029
Conc: 16.99 ug/ml



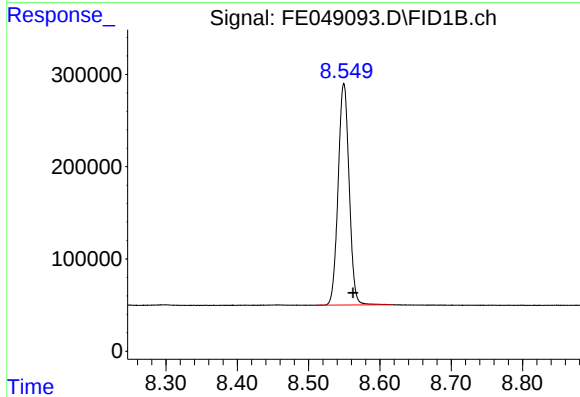
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.359 min
Delta R.T.: -0.012 min
Response: 2519953
Conc: 16.64 ug/ml

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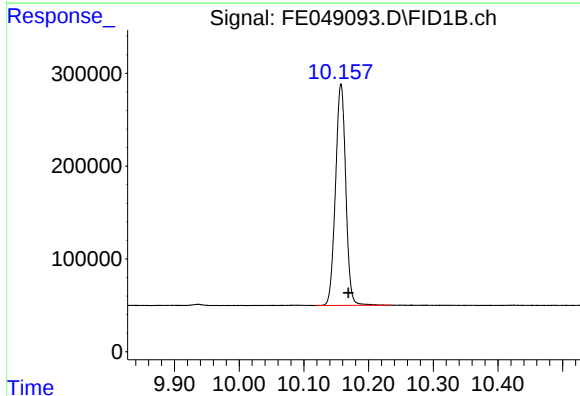
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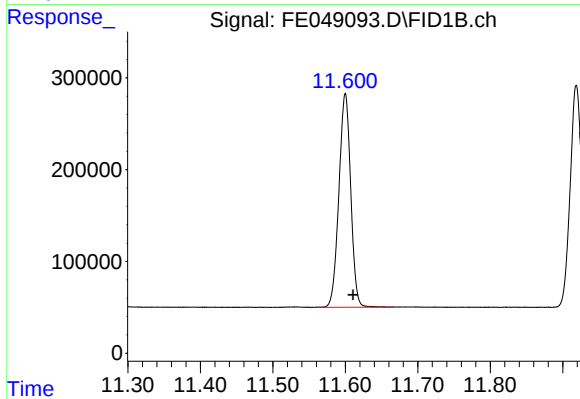
#6 n-Tetradecane (C14)

R.T.: 8.550 min
Delta R.T.: -0.013 min
Response: 2578075
Conc: 16.82 ug/ml



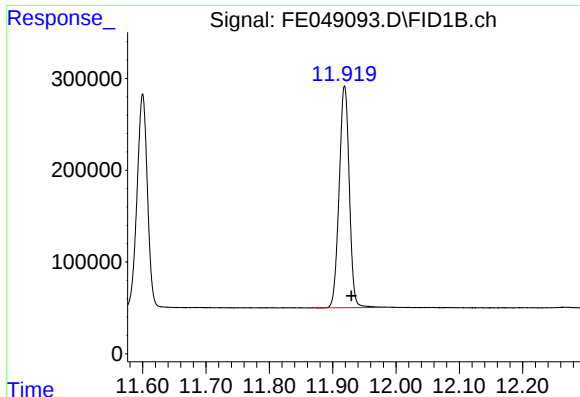
#7 n-Hexadecane (C16)

R.T.: 10.158 min
Delta R.T.: -0.011 min
Response: 2633006
Conc: 16.84 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.600 min
Delta R.T.: -0.011 min
Response: 2637837
Conc: 16.54 ug/ml



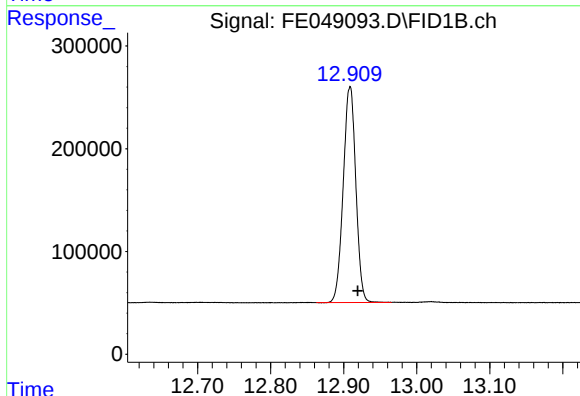
#9 ortho-Terphenyl (SURR)

R.T.: 11.919 min
Delta R.T.: -0.011 min
Response: 2683716
Conc: 16.05 ug/ml

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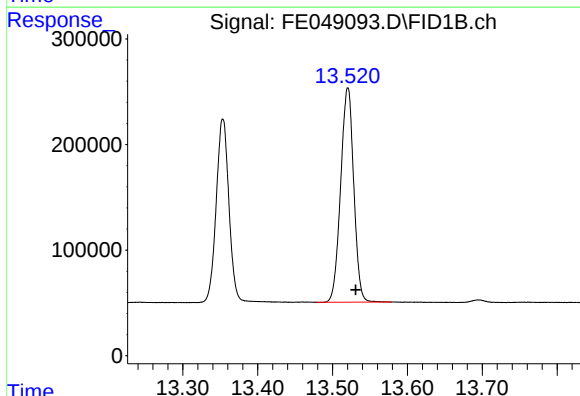
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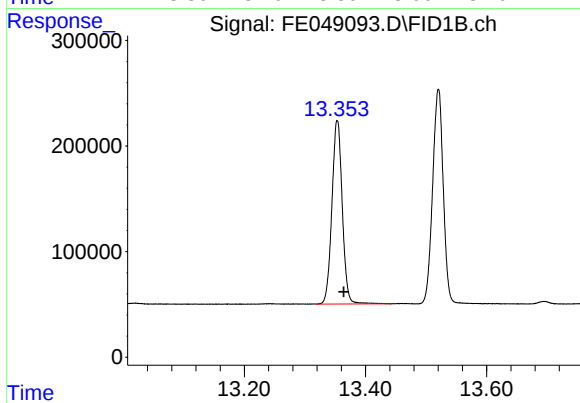
#10 n-Eicosane (C20)

R.T.: 12.909 min
Delta R.T.: -0.011 min
Response: 2519511
Conc: 16.25 ug/ml



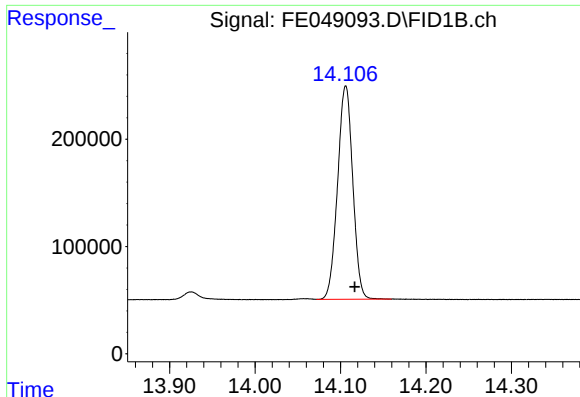
#11 n-Heneicosane (C21)

R.T.: 13.521 min
Delta R.T.: -0.010 min
Response: 2469361
Conc: 16.22 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.353 min
Delta R.T.: -0.011 min
Response: 2068749
Conc: 16.09 ug/ml m



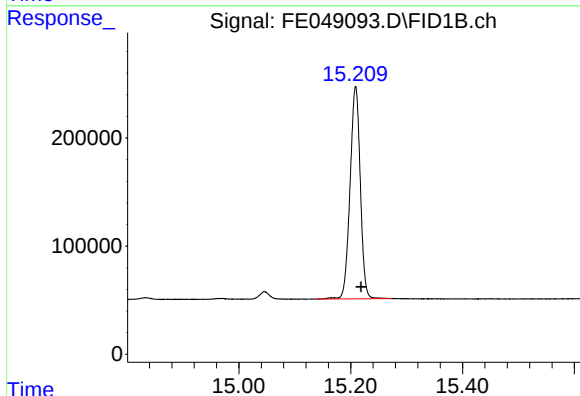
#13 n-Docosane (C22)

R.T.: 14.106 min
Delta R.T.: -0.010 min
Response: 2460294
Conc: 16.27 ug/ml

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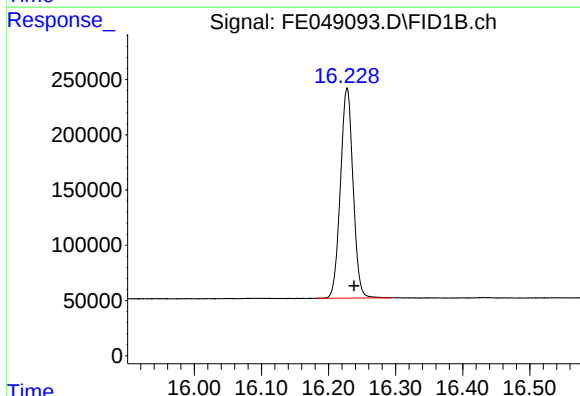
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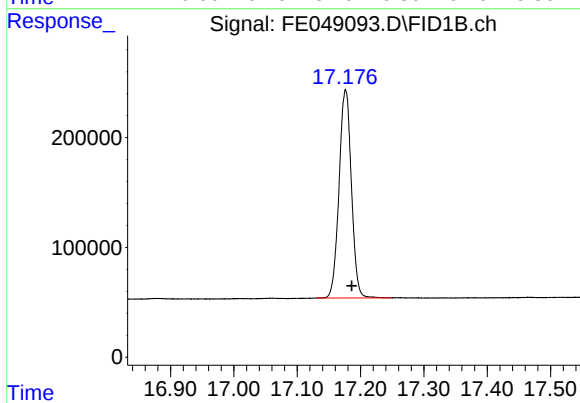
#14 n-Tetracosane (C24)

R.T.: 15.209 min
Delta R.T.: -0.010 min
Response: 2491710
Conc: 16.58 ug/ml



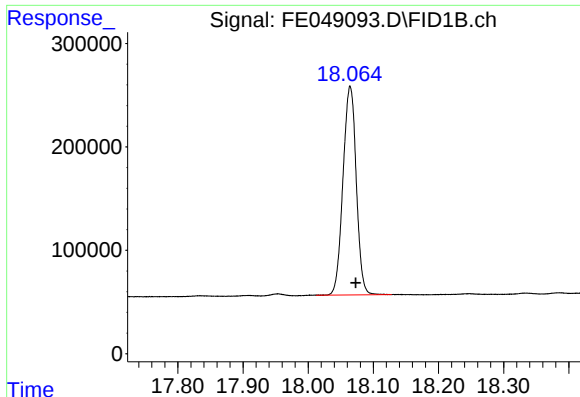
#15 n-Hexacosane (C26)

R.T.: 16.228 min
Delta R.T.: -0.010 min
Response: 2490156
Conc: 16.87 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.177 min
Delta R.T.: -0.010 min
Response: 2565685
Conc: 17.79 ug/ml



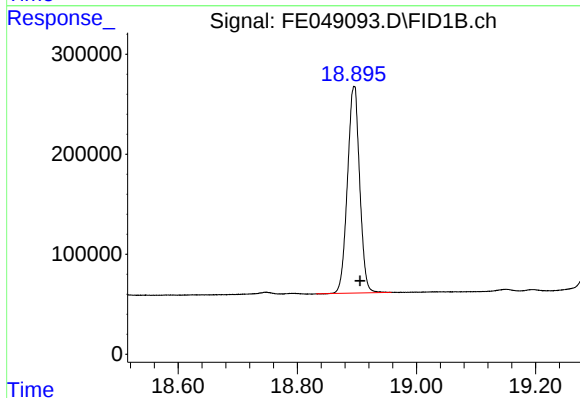
#17 n-Tricontane (C30)

R.T.: 18.064 min
Delta R.T.: -0.009 min
Response: 2849092
Conc: 19.47 ug/ml

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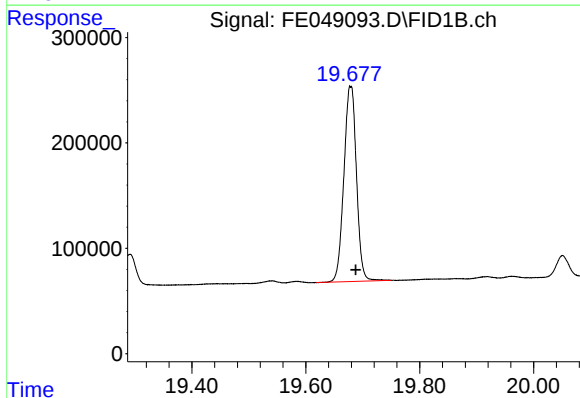
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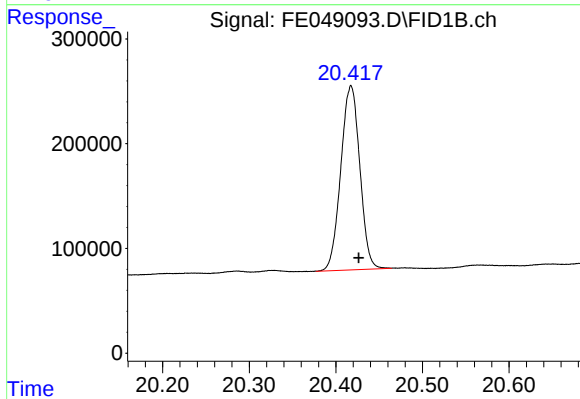
#18 n-Dotriacontane (C32)

R.T.: 18.896 min
Delta R.T.: -0.010 min
Response: 2947694
Conc: 20.62 ug/ml



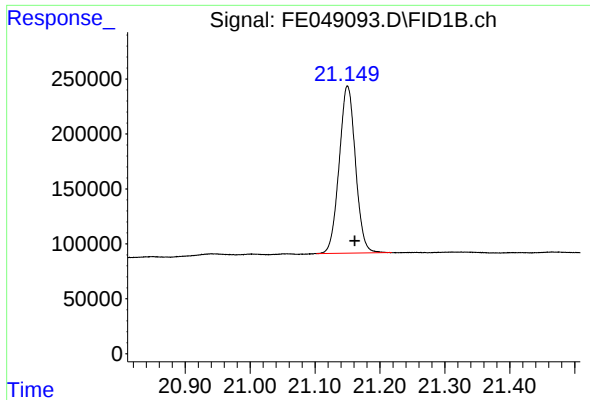
#19 n-Tetratriacontane (C34)

R.T.: 19.679 min
Delta R.T.: -0.009 min
Response: 2839736
Conc: 20.52 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.417 min
Delta R.T.: -0.009 min
Response: 2683209
Conc: 20.65 ug/ml m



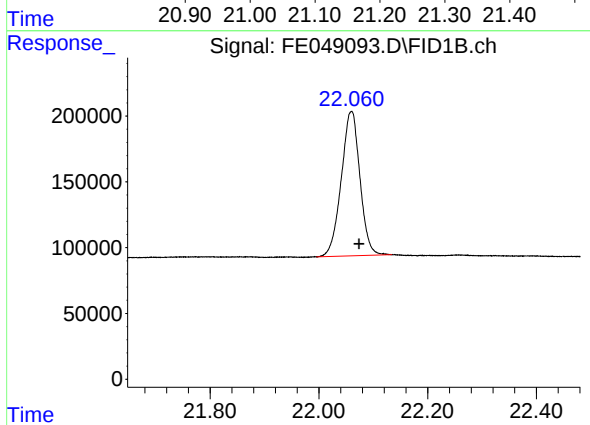
#21 n-Octatriacontane (C38)

R.T.: 21.149 min
Delta R.T.: -0.012 min
Response: 2654799
Conc: 20.71 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.060 min
Delta R.T.: -0.014 min
Response: 2614529
Conc: 21.35 ug/ml m