

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091224AL\
 Data File : FE050034.D
 Signal(s) : FID1B.ch
 Acq On : 11 Sep 2024 09:42
 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 09/12/2024
 Supervised By :Ankita Jodhani 09/12/2024

Integration File: sample.E
 Quant Time: Sep 12 03:15:48 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 09 17:11:47 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)	11.875	2917491	19.609 ug/ml
Spiked Amount 50.000		Recovery =	39.22%
12) S 1-chlorooctadecane (S...	13.310	2219273	19.757 ug/ml
Spiked Amount 50.000		Recovery =	39.51%
Target Compounds			
1) T n-Nonane (C9)	3.264	2658164	19.611 ug/ml
2) T n-Decane (C10)	4.515	2718176	19.695 ug/ml
3) T A~Naphthalene (C11.7)	6.224	2772909	19.811 ug/ml
4) T n-Dodecane (C12)	6.682	2729763	19.740 ug/ml
5) T A~2-methylnaphthalene...	7.319	2620534	19.937 ug/ml
6) T n-Tetradecane (C14)	8.509	2685837	19.724 ug/ml
7) T n-Hexadecane (C16)	10.115	2741322	19.736 ug/ml
8) T n-Octadecane (C18)	11.556	2752941	19.650 ug/ml
10) T n-Eicosane (C20)	12.864	2627155	19.585 ug/ml
11) T n-Heneicosane (C21)	13.476	2580049	19.635 ug/ml
13) T n-Docosane (C22)	14.061	2553208	19.607 ug/ml
14) T n-Tetracosane (C24)	15.162	2554125	19.558 ug/ml
15) T n-Hexacosane (C26)	16.182	2508440	19.606 ug/ml
16) T n-Octacosane (C28)	17.131	2524274	19.597 ug/mlm
17) T n-Tricontane (C30)	18.017	2625172	19.632 ug/ml
18) T n-Dotriacontane (C32)	18.849	2586161	19.407 ug/ml
19) T n-Tetratriacontane (C34)	19.632	2382818	19.285 ug/ml
20) T n-Hexatriacontane (C36)	20.370	2217362	19.985 ug/mlm
21) T n-Octatriacontane (C38)	21.097	2148811	19.485 ug/ml
22) T n-Tetracontane (C40)	21.987	1896552	17.429 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 6 Sample Multiplier: 1

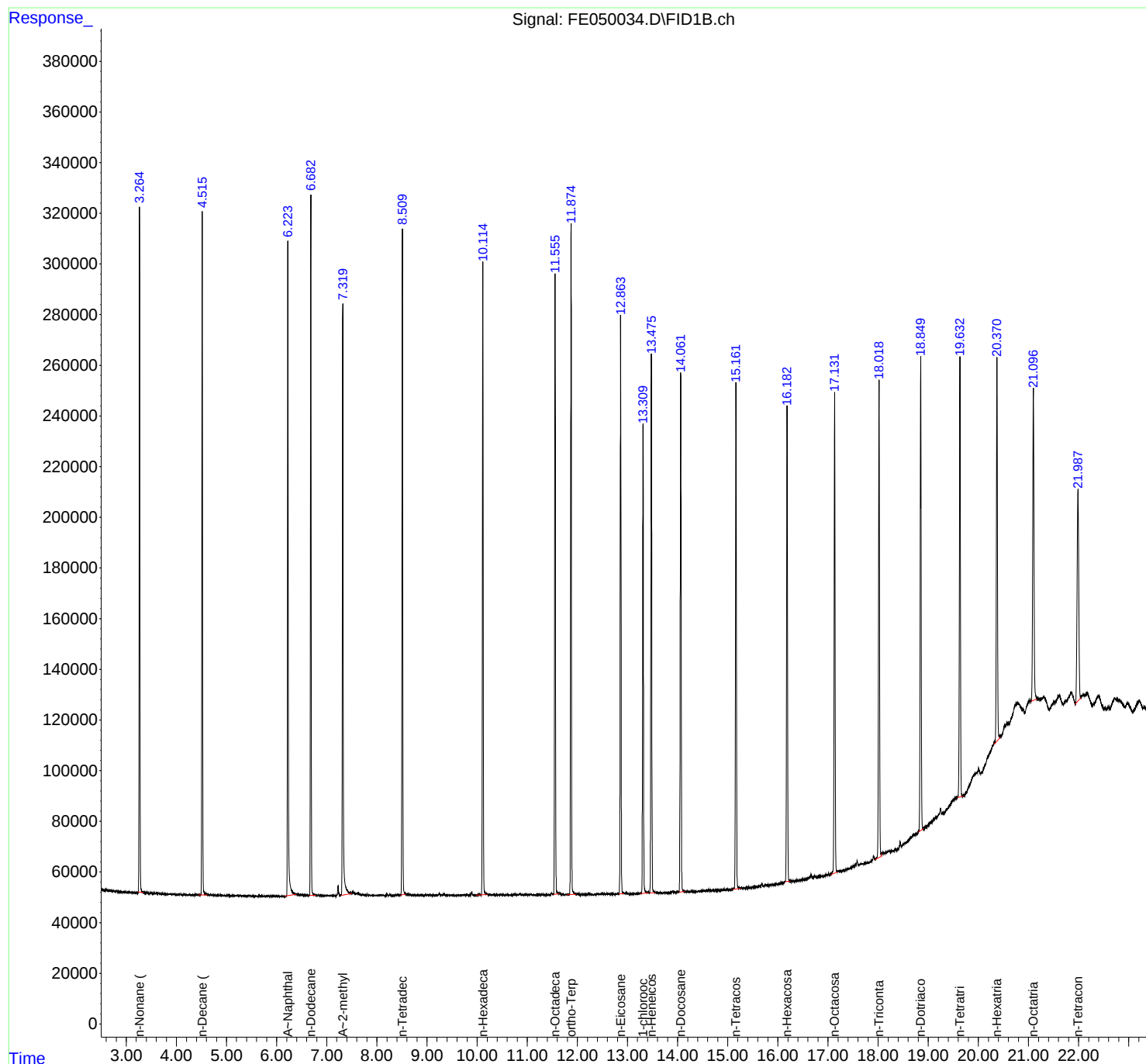
Instrument :
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20 PPM ALIPHATIC HC STD

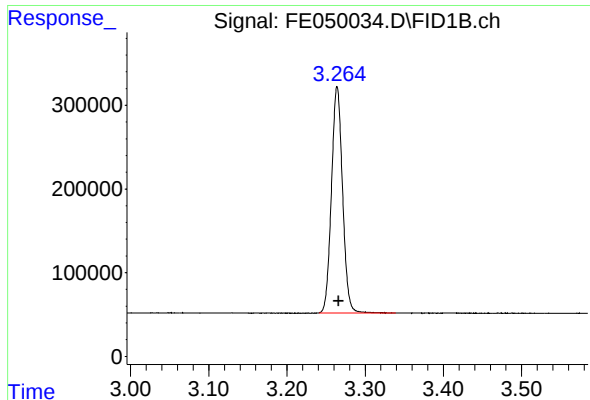
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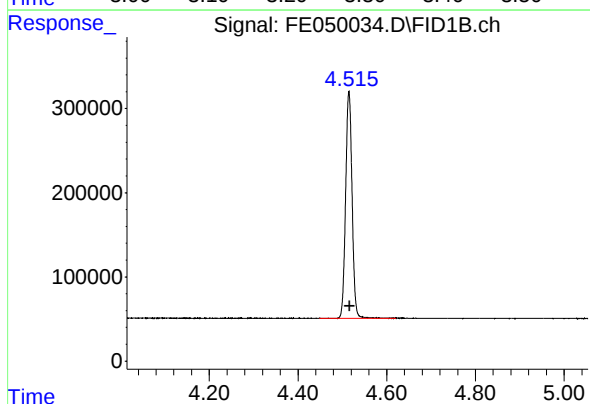
#1 n-Nonane (C9)

R.T.: 3.264 min
Delta R.T.: -0.002 min
Response: 2658164
Conc: 19.61 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

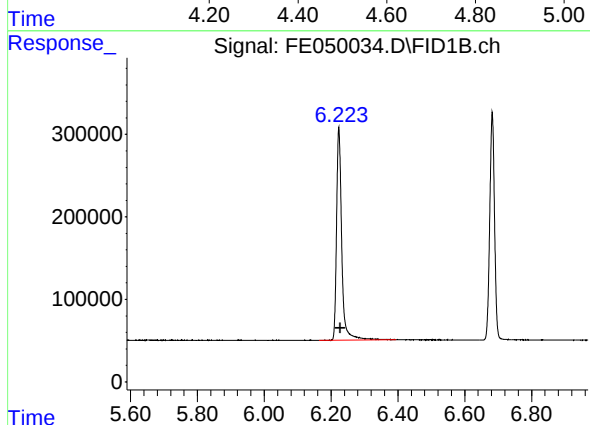
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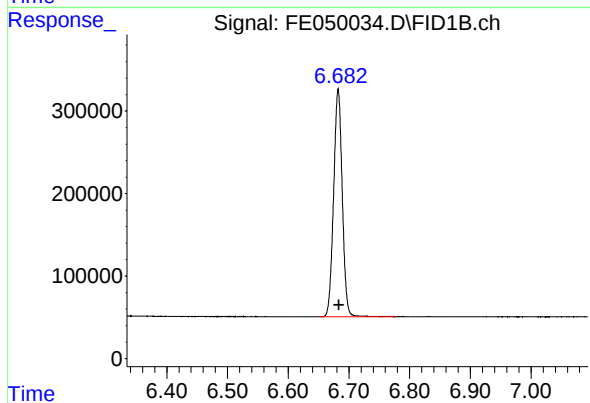
#2 n-Decane (C10)

R.T.: 4.515 min
Delta R.T.: -0.002 min
Response: 2718176
Conc: 19.70 ug/ml



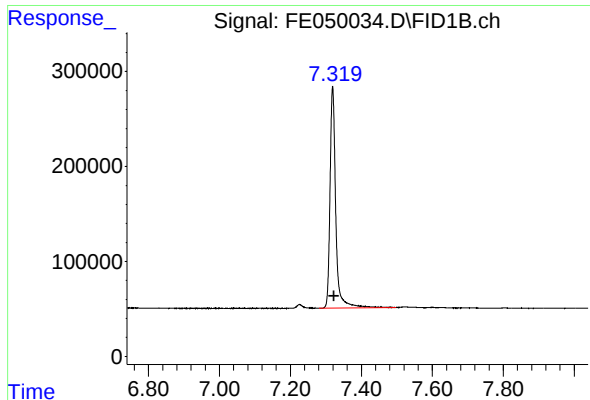
#3 A~Naphthalene (C11.7)

R.T.: 6.224 min
Delta R.T.: -0.003 min
Response: 2772909
Conc: 19.81 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.682 min
Delta R.T.: -0.001 min
Response: 2729763
Conc: 19.74 ug/ml



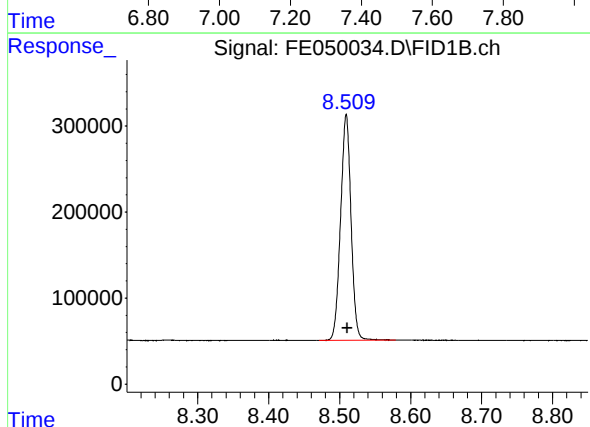
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.319 min
Delta R.T.: -0.004 min
Response: 2620534
Conc: 19.94 ug/ml

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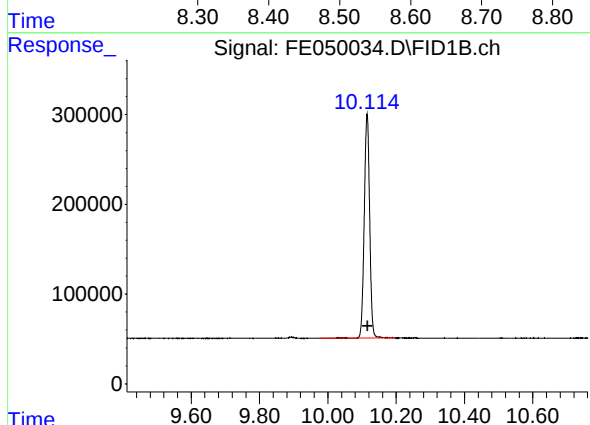
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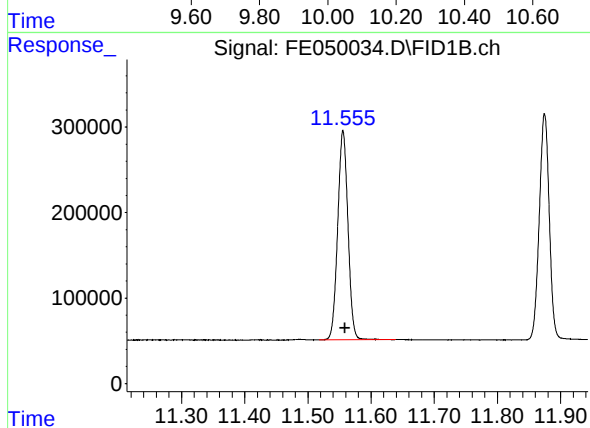
#6 n-Tetradecane (C14)

R.T.: 8.509 min
Delta R.T.: -0.001 min
Response: 2685837
Conc: 19.72 ug/ml



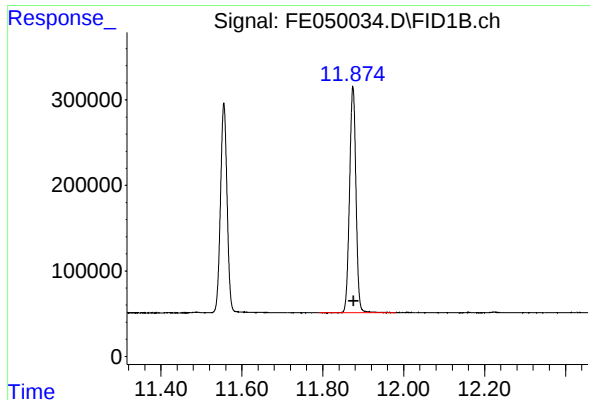
#7 n-Hexadecane (C16)

R.T.: 10.115 min
Delta R.T.: -0.002 min
Response: 2741322
Conc: 19.74 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.556 min
Delta R.T.: -0.003 min
Response: 2752941
Conc: 19.65 ug/ml



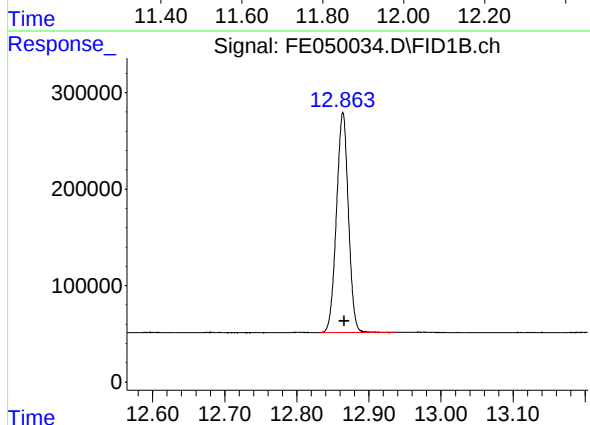
#9 ortho-Terphenyl (SURR)

R.T.: 11.875 min
Delta R.T.: -0.002 min
Response: 2917491
Conc: 19.61 ug/ml

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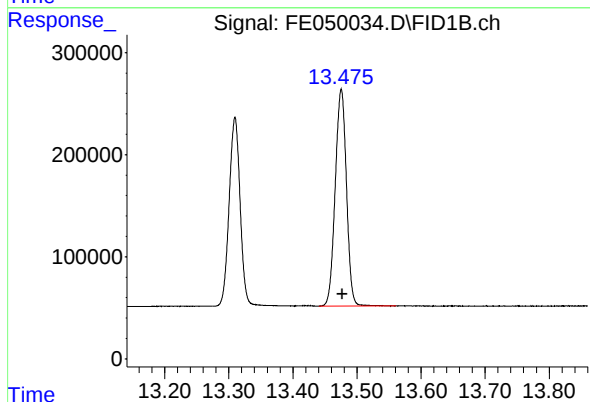
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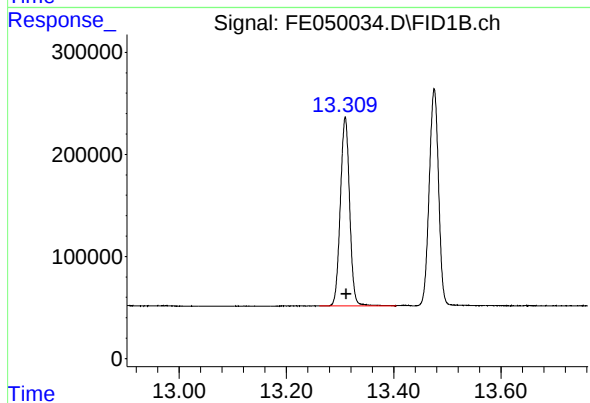
#10 n-Eicosane (C20)

R.T.: 12.864 min
Delta R.T.: -0.002 min
Response: 2627155
Conc: 19.58 ug/ml



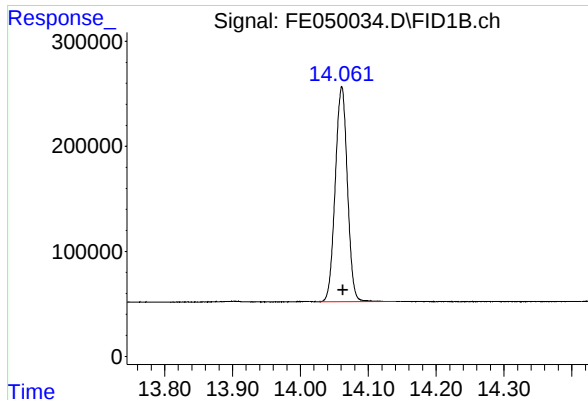
#11 n-Heneicosane (C21)

R.T.: 13.476 min
Delta R.T.: -0.002 min
Response: 2580049
Conc: 19.64 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.310 min
Delta R.T.: -0.002 min
Response: 2219273
Conc: 19.76 ug/ml



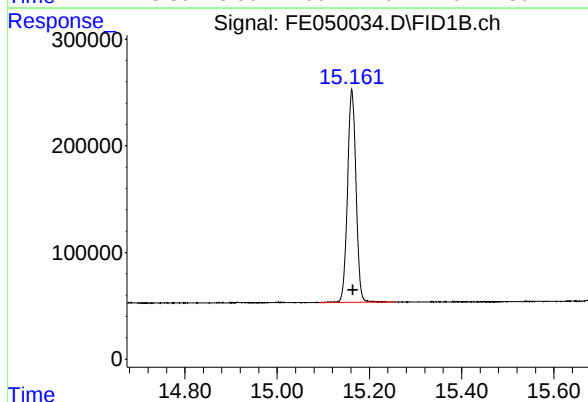
#13 n-Docosane (C22)

R.T.: 14.061 min
Delta R.T.: -0.002 min
Response: 2553208
Conc: 19.61 ug/ml

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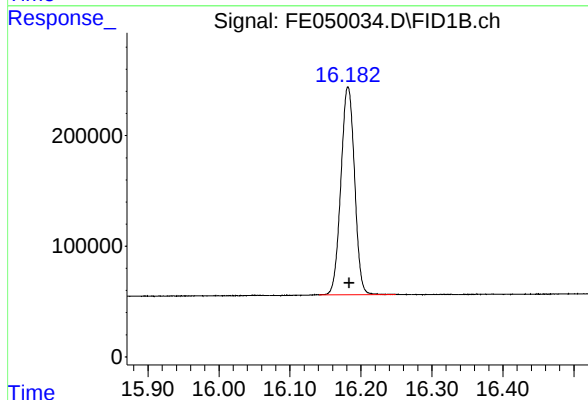
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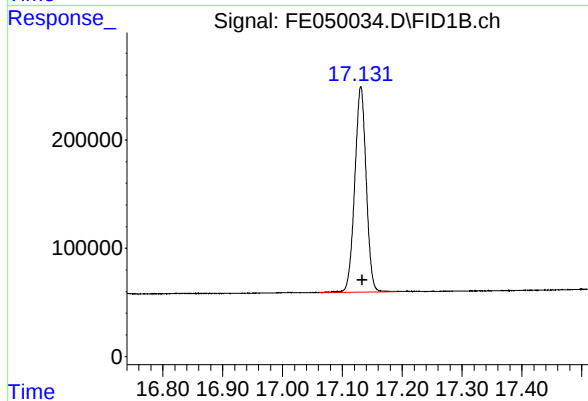
#14 n-Tetracosane (C24)

R.T.: 15.162 min
Delta R.T.: -0.002 min
Response: 2554125
Conc: 19.56 ug/ml



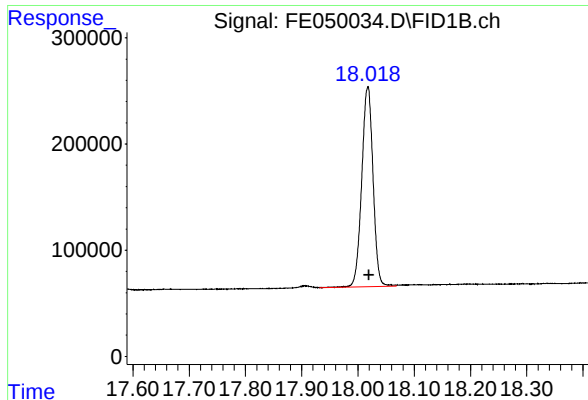
#15 n-Hexacosane (C26)

R.T.: 16.182 min
Delta R.T.: -0.002 min
Response: 2508440
Conc: 19.61 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.131 min
Delta R.T.: -0.002 min
Response: 2524274
Conc: 19.60 ug/ml m



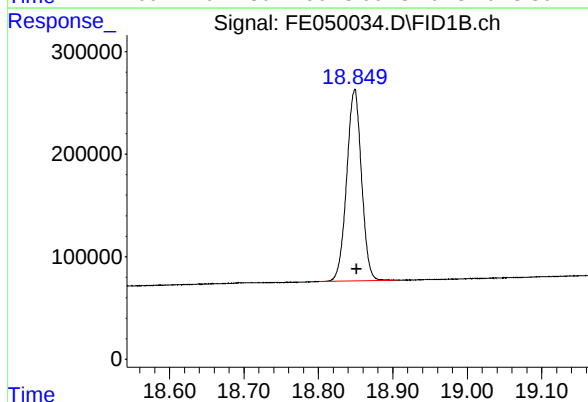
#17 n-Tricontane (C30)

R.T.: 18.017 min
Delta R.T.: -0.003 min
Response: 2625172
Conc: 19.63 ug/ml

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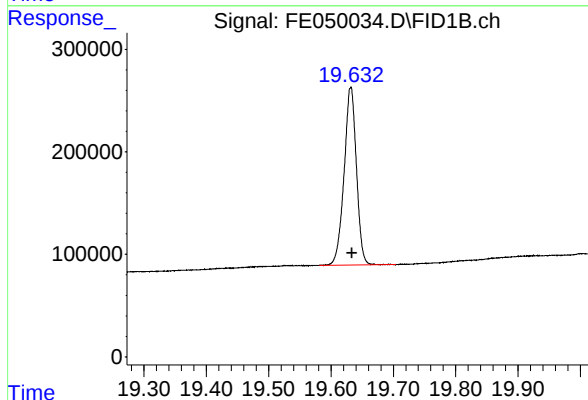
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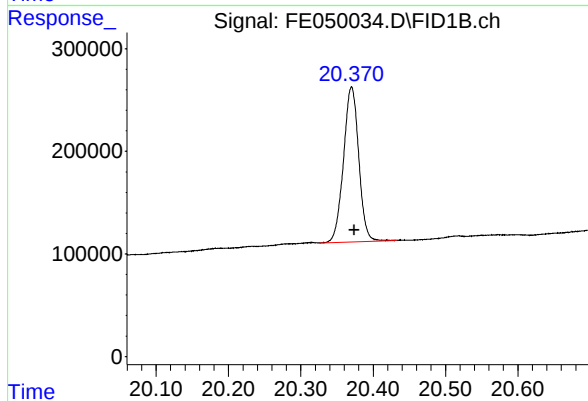
#18 n-Dotriacontane (C32)

R.T.: 18.849 min
Delta R.T.: -0.003 min
Response: 2586161
Conc: 19.41 ug/ml



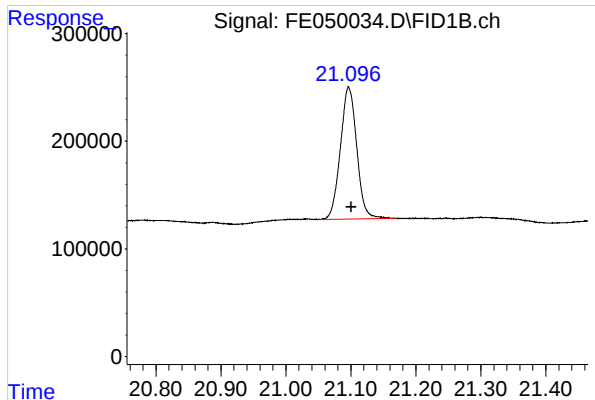
#19 n-Tetratriacontane (C34)

R.T.: 19.632 min
Delta R.T.: -0.002 min
Response: 2382818
Conc: 19.28 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.370 min
Delta R.T.: -0.004 min
Response: 2217362
Conc: 19.99 ug/ml m



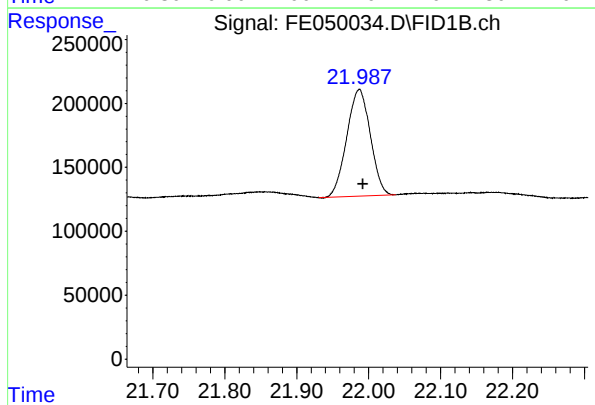
#21 n-Octatriacontane (C38)

R.T.: 21.097 min
Delta R.T.: -0.004 min
Response: 2148811
Conc: 19.49 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.987 min
Delta R.T.: -0.005 min
Response: 1896552
Conc: 17.43 ug/ml