

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE012025AL\
 Data File : FE051978.D
 Signal(s) : FID1B.ch
 Acq On : 20 Jan 2025 21:18
 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 01/21/2025
 Supervised By :Ankita Jodhani 01/21/2025

Integration File: sample.E
 Quant Time: Jan 21 06:50:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 011625.M
 Quant Title : GC Extractables
 QLast Update : Thu Jan 16 16:05:07 2025
 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)	12.223	2786576	19.497 ug/ml
Spiked Amount 50.000		Recovery =	38.99%
12) S 1-chlorooctadecane (S...	13.641	2159279	18.823 ug/ml
Spiked Amount 50.000		Recovery =	37.65%
Target Compounds			
1) T n-Nonane (C9)	3.664	2149153	20.159 ug/ml
2) T n-Decane (C10)	4.899	2287774	20.897 ug/ml
3) T A~Naphthalene (C11.7)	6.604	2588342	21.300 ug/ml
4) T n-Dodecane (C12)	7.039	2393711	21.209 ug/ml
5) T A~2-methylnaphthalene...	7.689	2553272	21.387 ug/ml
6) T n-Tetradecane (C14)	8.855	2444199	21.015 ug/ml
7) T n-Hexadecane (C16)	10.453	2562053	20.314 ug/ml
8) T n-Octadecane (C18)	11.890	2599968	19.651 ug/ml
10) T n-Eicosane (C20)	13.195	2511411	19.157 ug/ml
11) T n-Heneicosane (C21)	13.804	2461873	18.914 ug/ml
13) T n-Docosane (C22)	14.388	2470446	18.824 ug/ml
14) T n-Tetracosane (C24)	15.487	2492601	18.765 ug/ml
15) T n-Hexacosane (C26)	16.503	2473501	18.712 ug/ml
16) T n-Octacosane (C28)	17.449	2485362	18.831 ug/ml
17) T n-Tricontane (C30)	18.335	2651510	19.448 ug/ml
18) T n-Dotriacontane (C32)	19.164	2562890	19.556 ug/mlm
19) T n-Tetratriacontane (C34)	19.944	2231791	19.823 ug/mlm
20) T n-Hexatriacontane (C36)	20.682	1922714	20.243 ug/mlm
21) T n-Octatriacontane (C38)	21.481	1702123	19.705 ug/mlm
22) T n-Tetracontane (C40)	22.503	1930195	23.422 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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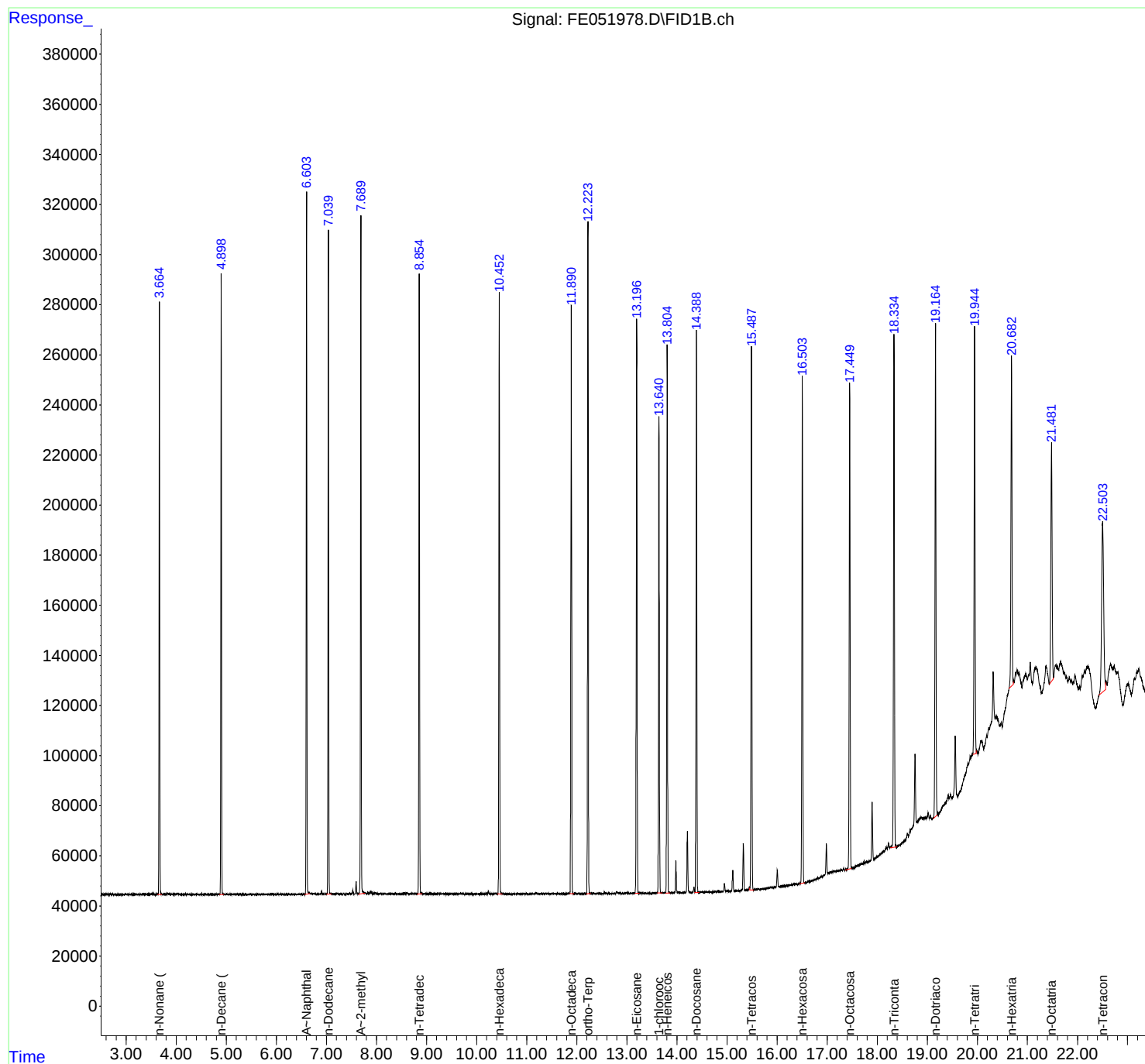
Instrument :
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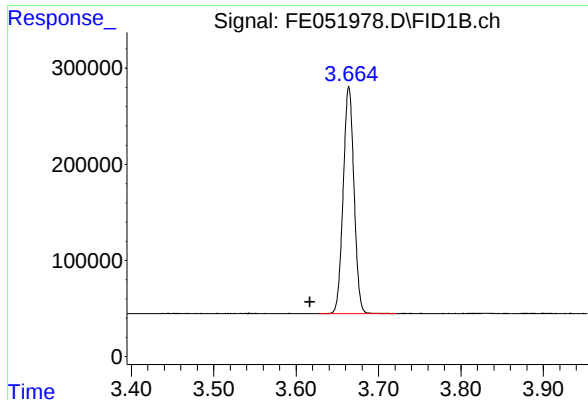
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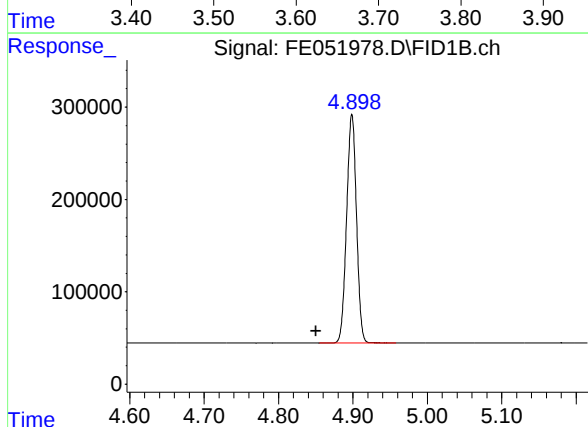
#1 n-Nonane (C9)

R.T.: 3.664 min
Delta R.T.: 0.047 min
Response: 2149153
Conc: 20.16 ug/ml

Instrument : FID_E
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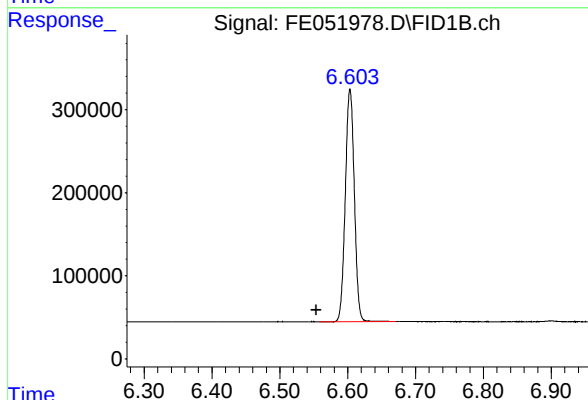
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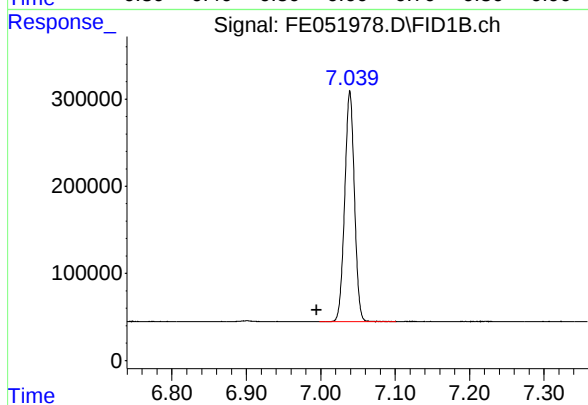
#2 n-Decane (C10)

R.T.: 4.899 min
Delta R.T.: 0.048 min
Response: 2287774
Conc: 20.90 ug/ml



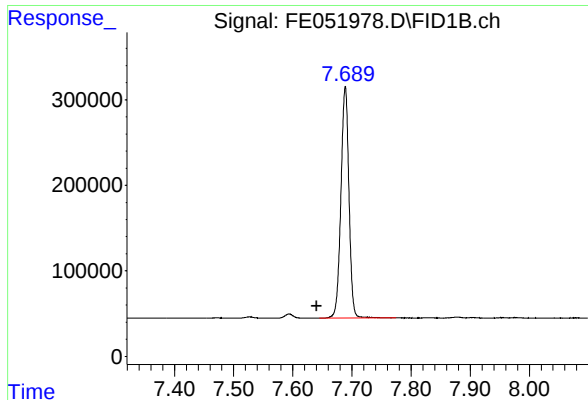
#3 A~Naphthalene (C11.7)

R.T.: 6.604 min
Delta R.T.: 0.050 min
Response: 2588342
Conc: 21.30 ug/ml



#4 n-Dodecane (C12)

R.T.: 7.039 min
Delta R.T.: 0.045 min
Response: 2393711
Conc: 21.21 ug/ml



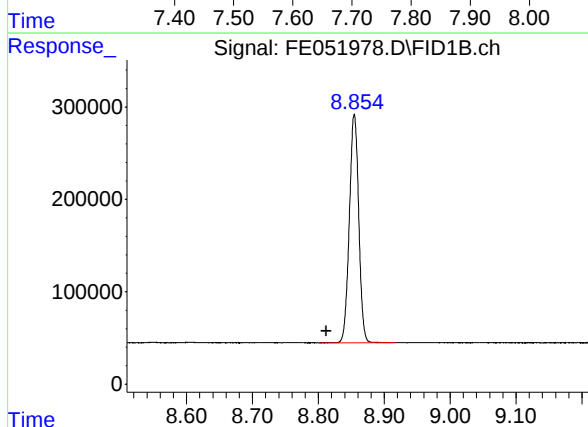
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.689 min
Delta R.T.: 0.048 min
Response: 2553272
Conc: 21.39 ug/ml

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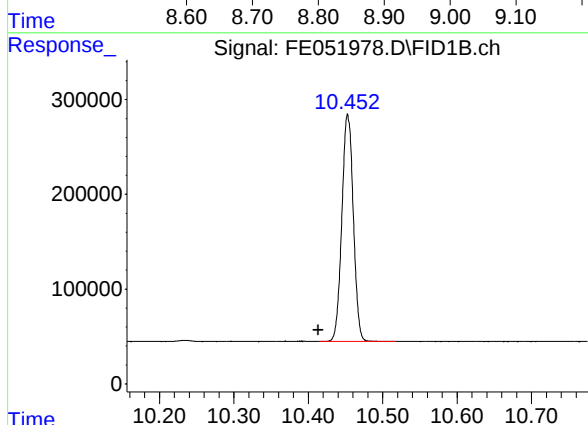
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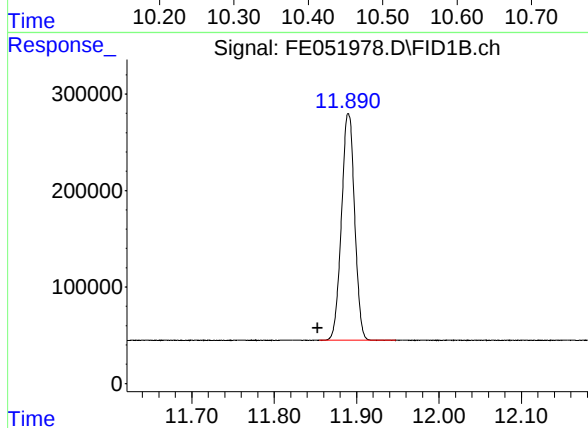
#6 n-Tetradecane (C14)

R.T.: 8.855 min
Delta R.T.: 0.042 min
Response: 2444199
Conc: 21.01 ug/ml



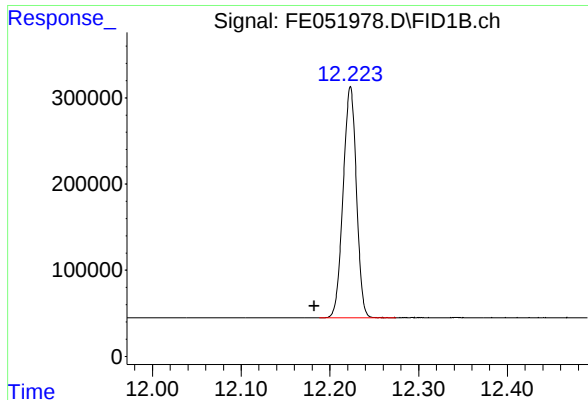
#7 n-Hexadecane (C16)

R.T.: 10.453 min
Delta R.T.: 0.040 min
Response: 2562053
Conc: 20.31 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.890 min
Delta R.T.: 0.038 min
Response: 2599968
Conc: 19.65 ug/ml



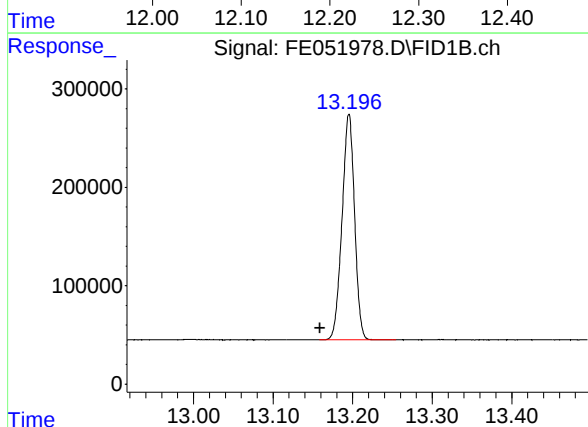
#9 ortho-Terphenyl (SURR)

R.T.: 12.223 min
Delta R.T.: 0.041 min
Response: 2786576
Conc: 19.50 ug/ml

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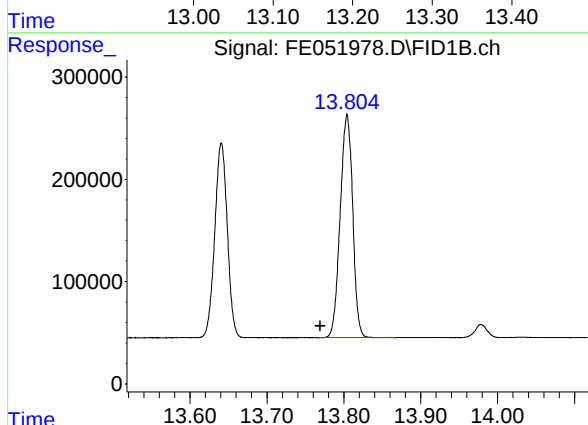
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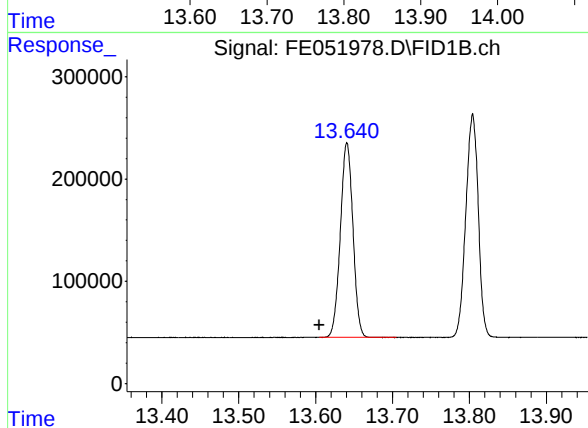
#10 n-Eicosane (C20)

R.T.: 13.195 min
Delta R.T.: 0.036 min
Response: 2511411
Conc: 19.16 ug/ml



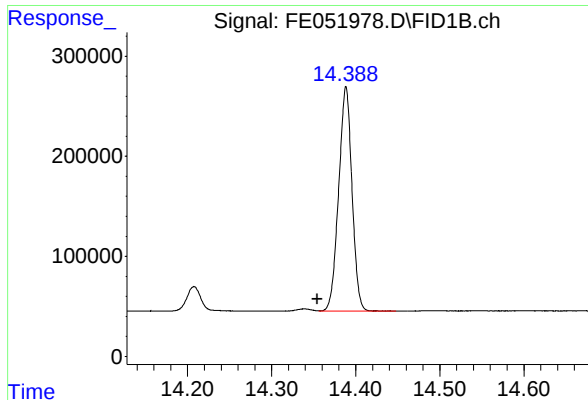
#11 n-Heneicosane (C21)

R.T.: 13.804 min
Delta R.T.: 0.035 min
Response: 2461873
Conc: 18.91 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.641 min
Delta R.T.: 0.036 min
Response: 2159279
Conc: 18.82 ug/ml



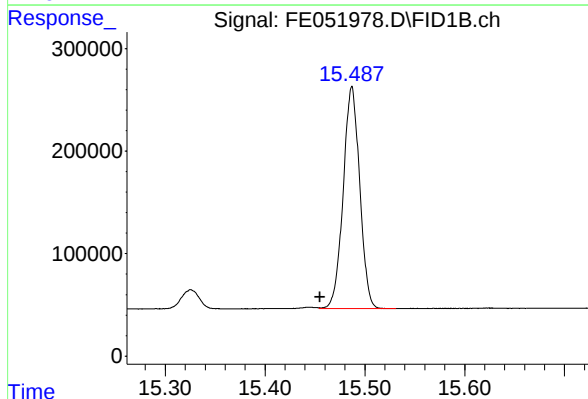
#13 n-Docosane (C22)

R.T.: 14.388 min
Delta R.T.: 0.034 min
Response: 2470446
Conc: 18.82 ug/ml

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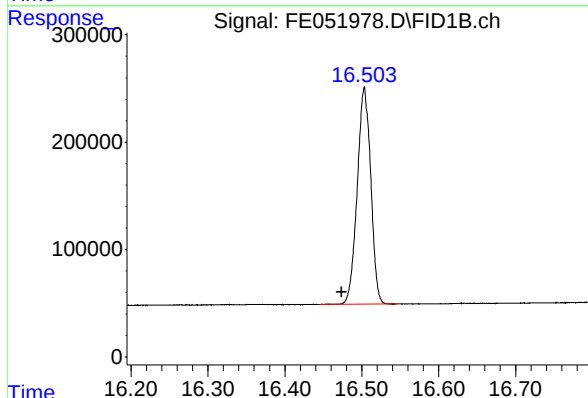
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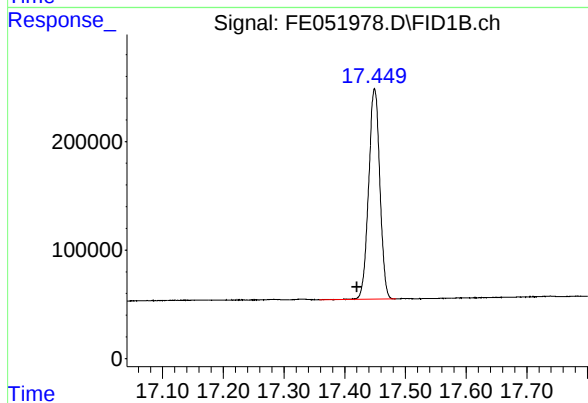
#14 n-Tetracosane (C24)

R.T.: 15.487 min
Delta R.T.: 0.032 min
Response: 2492601
Conc: 18.77 ug/ml



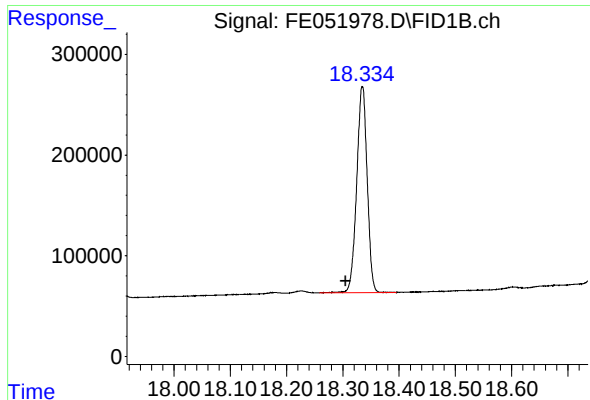
#15 n-Hexacosane (C26)

R.T.: 16.503 min
Delta R.T.: 0.030 min
Response: 2473501
Conc: 18.71 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.449 min
Delta R.T.: 0.029 min
Response: 2485362
Conc: 18.83 ug/ml



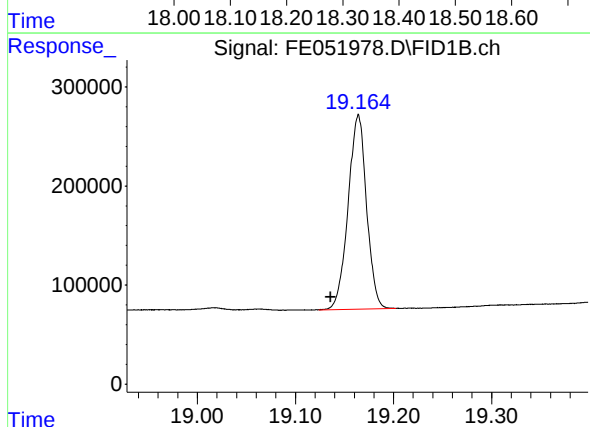
#17 n-Tricontane (C30)

R.T.: 18.335 min
Delta R.T.: 0.030 min
Response: 2651510
Conc: 19.45 ug/ml

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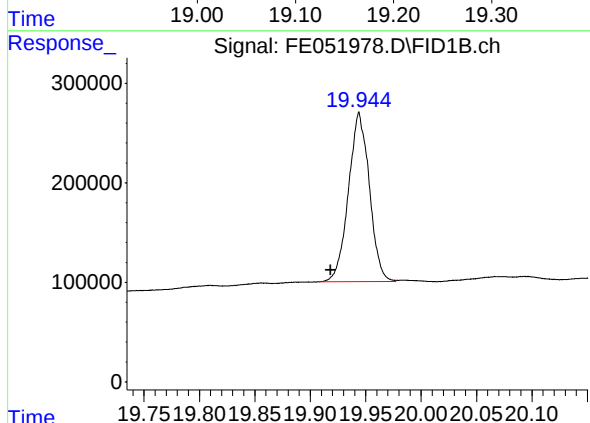
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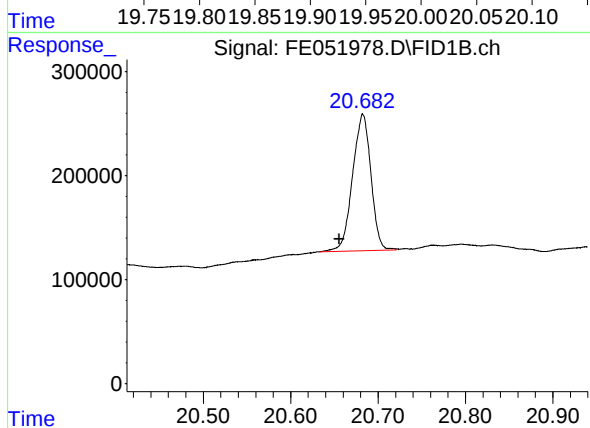
#18 n-Dotriacontane (C32)

R.T.: 19.164 min
Delta R.T.: 0.028 min
Response: 2562890
Conc: 19.56 ug/ml m



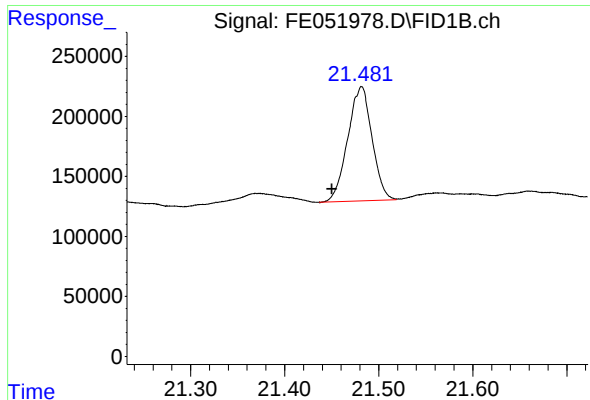
#19 n-Tetratriacontane (C34)

R.T.: 19.944 min
Delta R.T.: 0.025 min
Response: 2231791
Conc: 19.82 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.682 min
Delta R.T.: 0.026 min
Response: 1922714
Conc: 20.24 ug/ml m



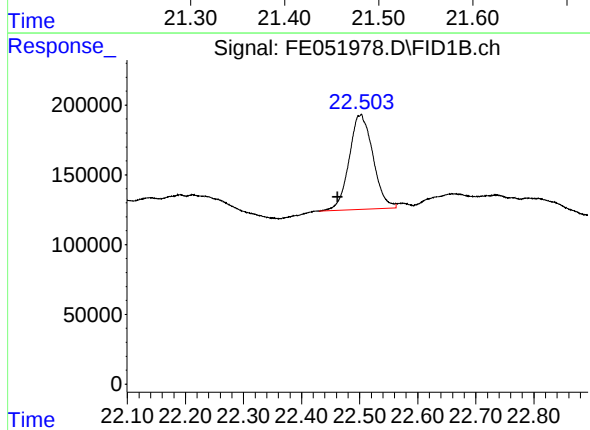
#21 n-Octatriacontane (C38)

R.T.: 21.481 min
Delta R.T.: 0.031 min
Response: 1702123
Conc: 19.70 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.503 min
Delta R.T.: 0.041 min
Response: 1930195
Conc: 23.42 ug/ml m