

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE011425AL\
 Data File : FE051911.D
 Signal(s) : FID1B.ch
 Acq On : 14 Jan 2025 11:08
 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 01/15/2025
 Supervised By :Ankita Jodhani 01/15/2025

Integration File: autoint1.e
 Quant Time: Jan 15 01:24:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 010225.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 14 13:43:24 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)	12.151	2857481	19.714 ug/ml
Spiked Amount 50.000		Recovery =	39.43%
12) S 1-chlorooctadecane (S...	13.578	2244932	19.536 ug/ml
Spiked Amount 50.000		Recovery =	39.07%
Target Compounds			
1) T n-Nonane (C9)	3.567	2103011	19.040 ug/ml
2) T n-Decane (C10)	4.807	2192443	19.267 ug/ml
3) T A~Naphthalene (C11.7)	6.513	2509846	19.679 ug/ml
4) T n-Dodecane (C12)	6.957	2293747	19.532 ug/ml
5) T A~2-methylnaphthalene...	7.602	2492816	19.918 ug/ml
6) T n-Tetradecane (C14)	8.779	2379711	19.848 ug/ml
7) T n-Hexadecane (C16)	10.383	2556753	19.979 ug/ml
8) T n-Octadecane (C18)	11.822	2656264	19.962 ug/mlm
10) T n-Eicosane (C20)	13.131	2611884	19.851 ug/ml
11) T n-Heneicosane (C21)	13.743	2570734	19.561 ug/ml
13) T n-Docosane (C22)	14.327	2582693	19.687 ug/ml
14) T n-Tetracosane (C24)	15.428	2592640	19.573 ug/mlm
15) T n-Hexacosane (C26)	16.449	2540920	19.365 ug/ml
16) T n-Octacosane (C28)	17.397	2517637	19.499 ug/ml
17) T n-Tricontane (C30)	18.283	2588934	19.694 ug/ml
18) T n-Dotriacontane (C32)	19.114	2495125	19.661 ug/ml
19) T n-Tetratriacontane (C34)	19.895	2126990	19.143 ug/ml
20) T n-Hexatriacontane (C36)	20.633	1799870	18.244 ug/ml
21) T n-Octatriacontane (C38)	21.423	1714627	18.110 ug/ml
22) T n-Tetracontane (C40)	22.427	1714812	18.629 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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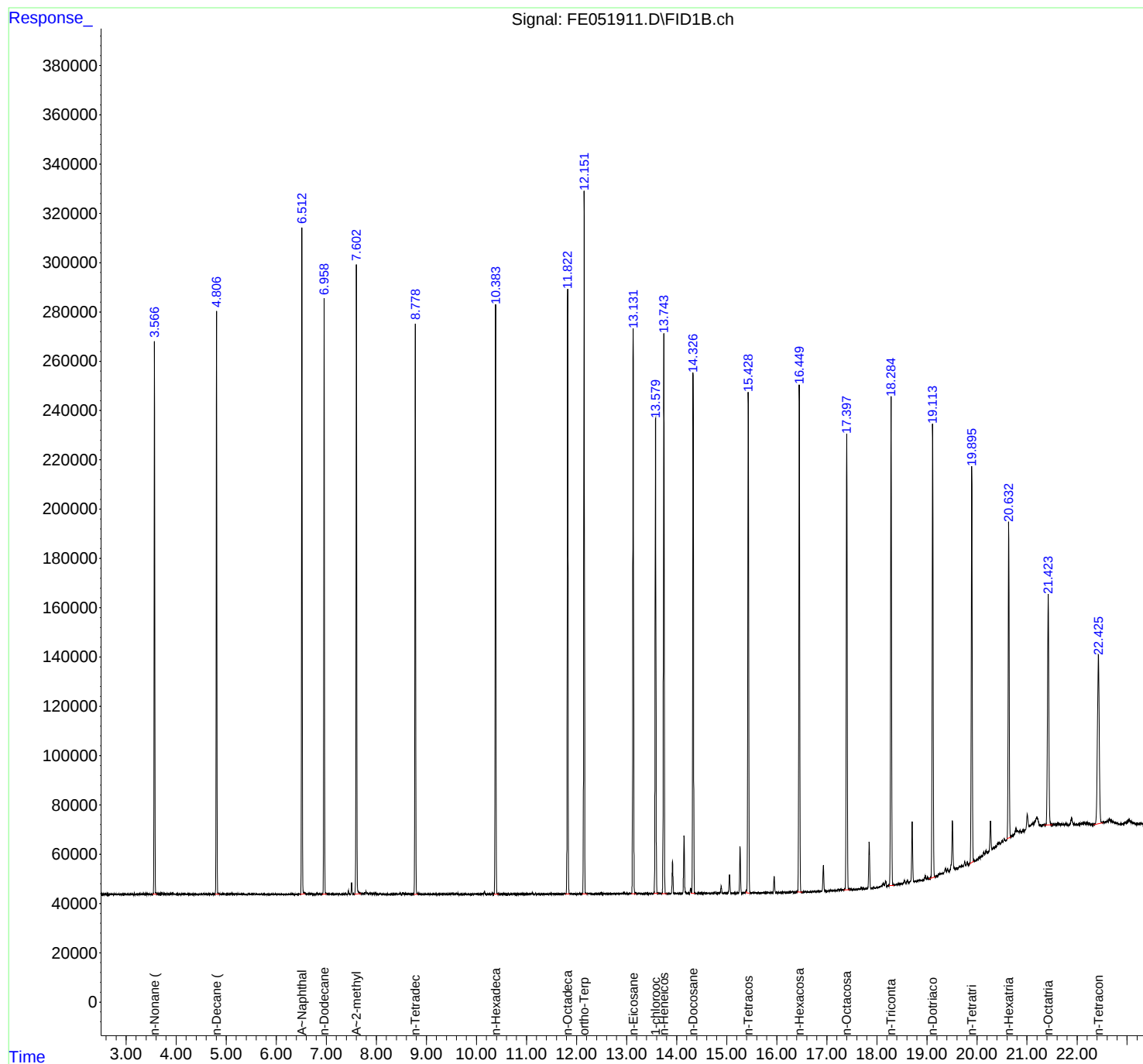
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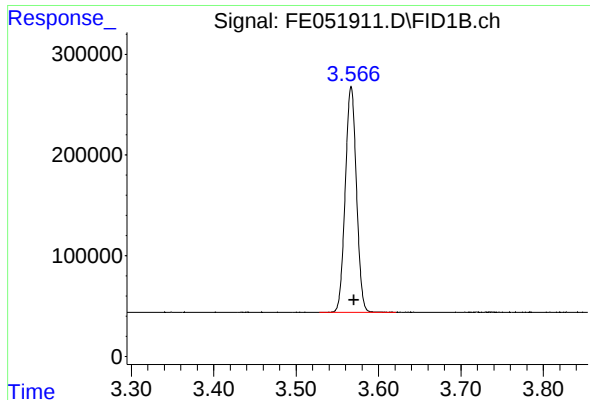
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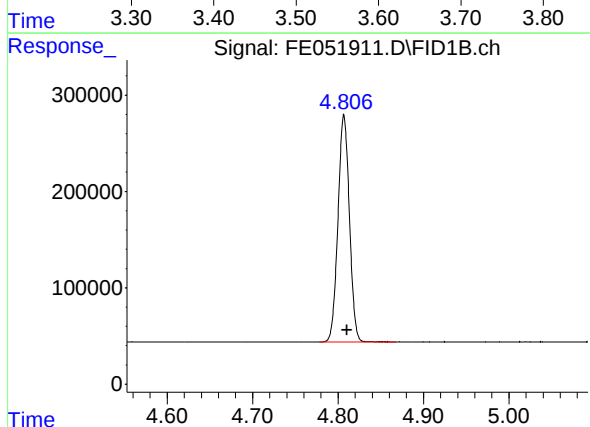
#1 n-Nonane (C9)

R.T.: 3.567 min
Delta R.T.: -0.003 min
Response: 2103011
Conc: 19.04 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

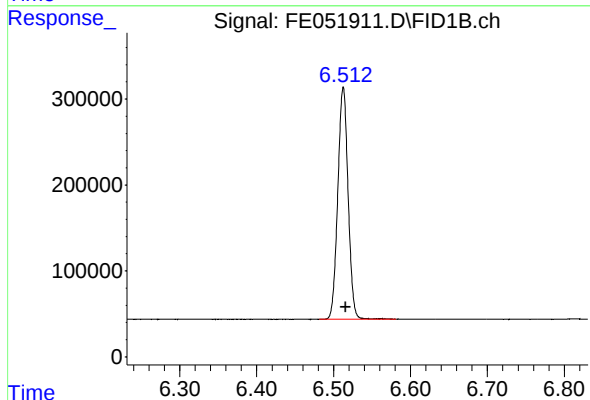
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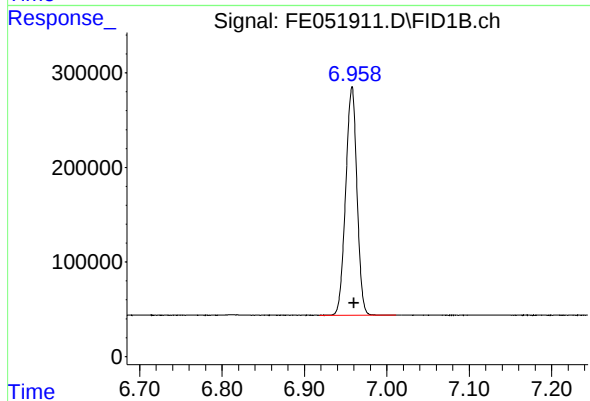
#2 n-Decane (C10)

R.T.: 4.807 min
Delta R.T.: -0.003 min
Response: 2192443
Conc: 19.27 ug/ml



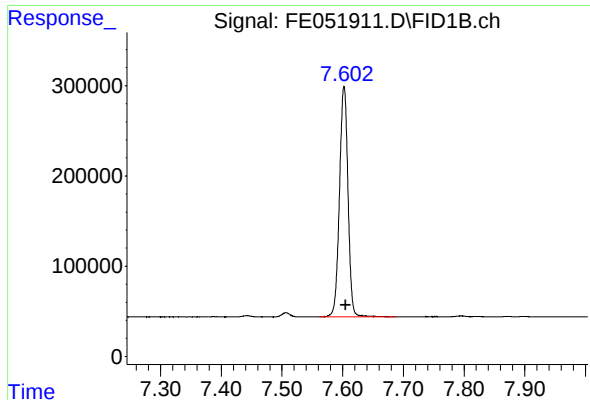
#3 A~Naphthalene (C11.7)

R.T.: 6.513 min
Delta R.T.: -0.003 min
Response: 2509846
Conc: 19.68 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.957 min
Delta R.T.: -0.003 min
Response: 2293747
Conc: 19.53 ug/ml



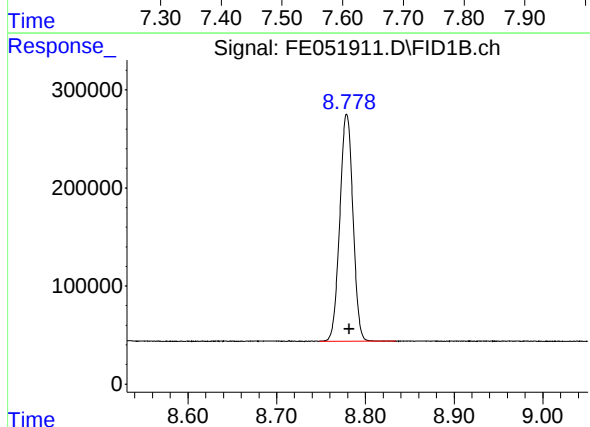
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.602 min
Delta R.T.: -0.003 min
Response: 2492816
Conc: 19.92 ug/ml

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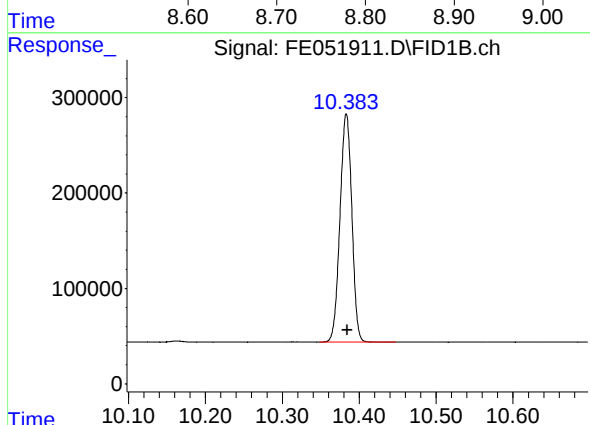
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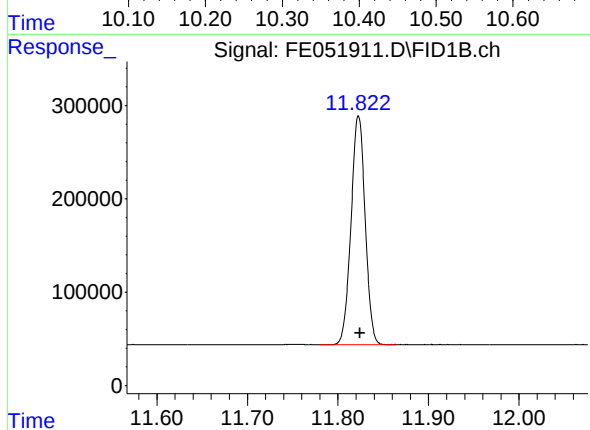
#6 n-Tetradecane (C14)

R.T.: 8.779 min
Delta R.T.: -0.003 min
Response: 2379711
Conc: 19.85 ug/ml



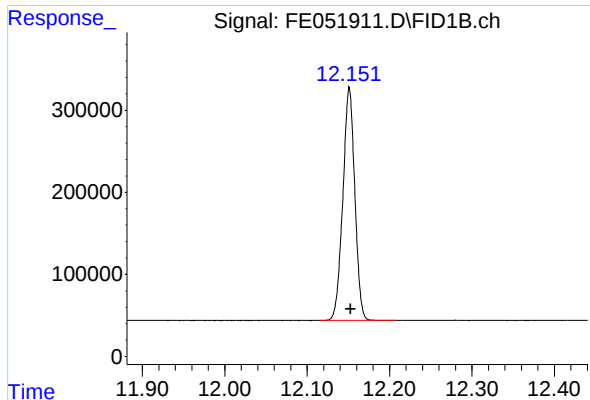
#7 n-Hexadecane (C16)

R.T.: 10.383 min
Delta R.T.: -0.001 min
Response: 2556753
Conc: 19.98 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.822 min
Delta R.T.: -0.002 min
Response: 2656264
Conc: 19.96 ug/ml m



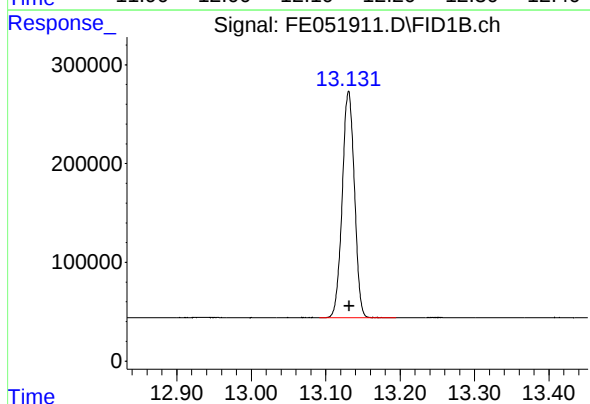
#9 ortho-Terphenyl (SURR)

R.T.: 12.151 min
Delta R.T.: -0.002 min
Response: 2857481
Conc: 19.71 ug/ml

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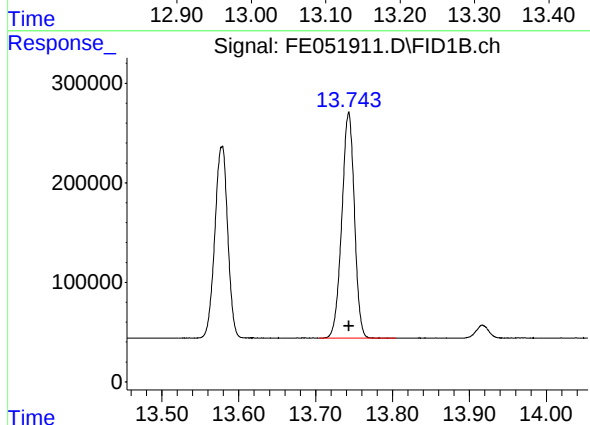
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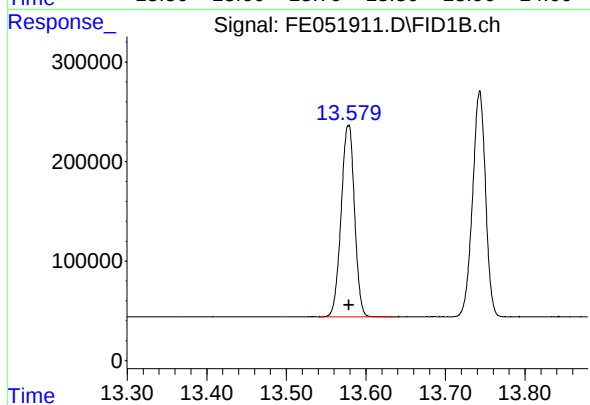
#10 n-Eicosane (C20)

R.T.: 13.131 min
Delta R.T.: 0.000 min
Response: 2611884
Conc: 19.85 ug/ml



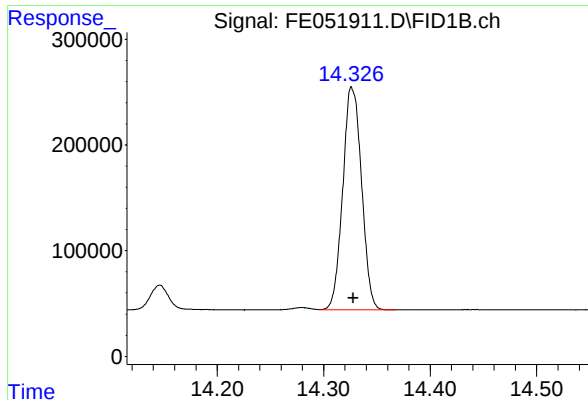
#11 n-Heneicosane (C21)

R.T.: 13.743 min
Delta R.T.: 0.000 min
Response: 2570734
Conc: 19.56 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.578 min
Delta R.T.: 0.000 min
Response: 2244932
Conc: 19.54 ug/ml



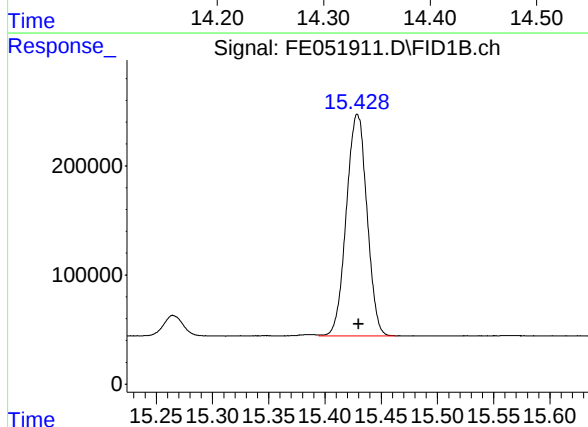
#13 n-Docosane (C22)

R.T.: 14.327 min
Delta R.T.: 0.000 min
Response: 2582693
Conc: 19.69 ug/ml

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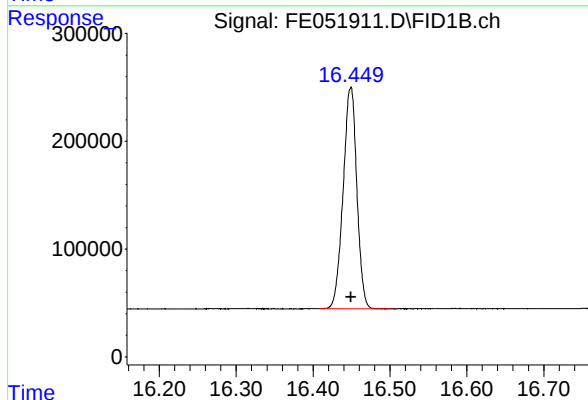
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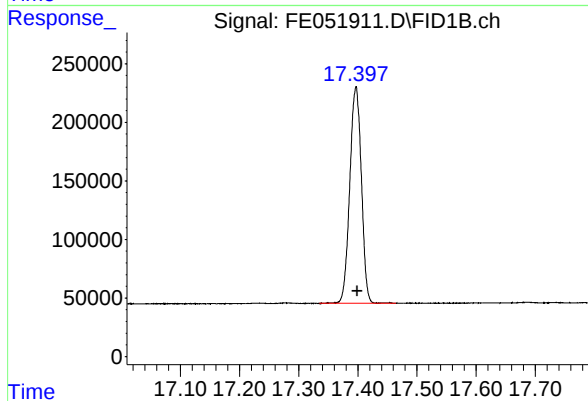
#14 n-Tetracosane (C24)

R.T.: 15.428 min
Delta R.T.: -0.002 min
Response: 2592640
Conc: 19.57 ug/ml m



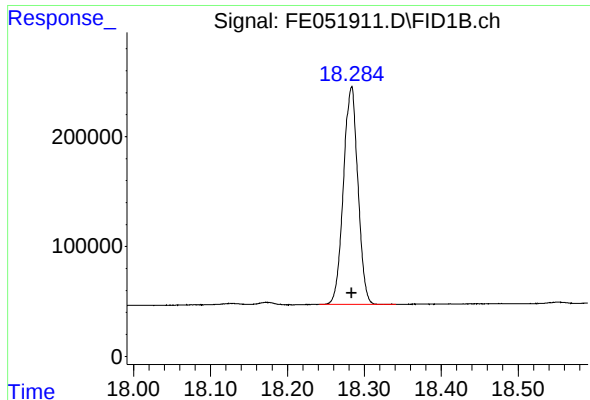
#15 n-Hexacosane (C26)

R.T.: 16.449 min
Delta R.T.: 0.000 min
Response: 2540920
Conc: 19.37 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.397 min
Delta R.T.: -0.002 min
Response: 2517637
Conc: 19.50 ug/ml



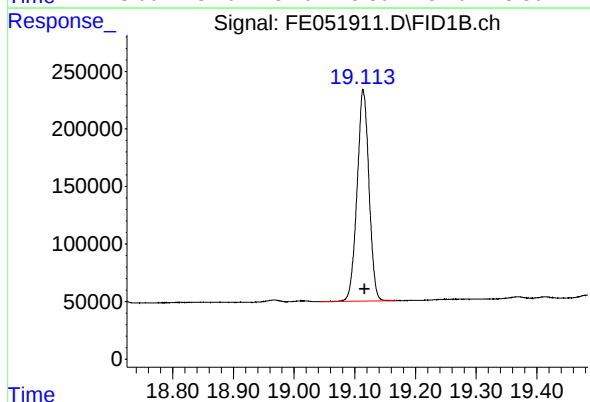
#17 n-Tricontane (C30)

R.T.: 18.283 min
Delta R.T.: 0.000 min
Response: 2588934
Conc: 19.69 ug/ml

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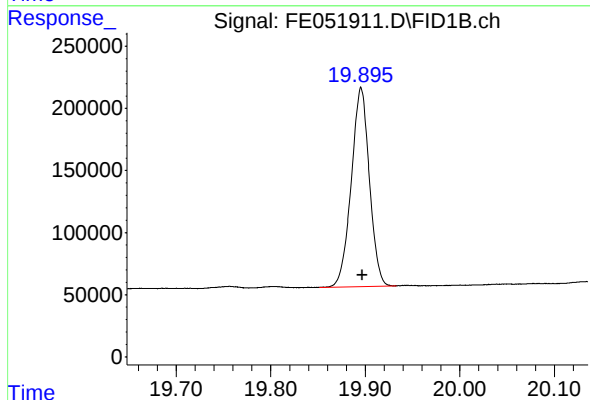
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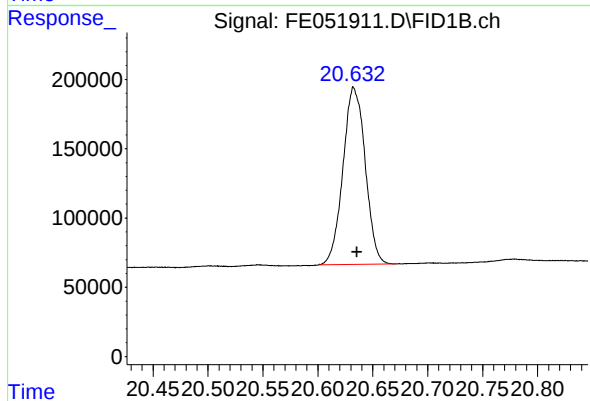
#18 n-Dotriacontane (C32)

R.T.: 19.114 min
Delta R.T.: -0.002 min
Response: 2495125
Conc: 19.66 ug/ml



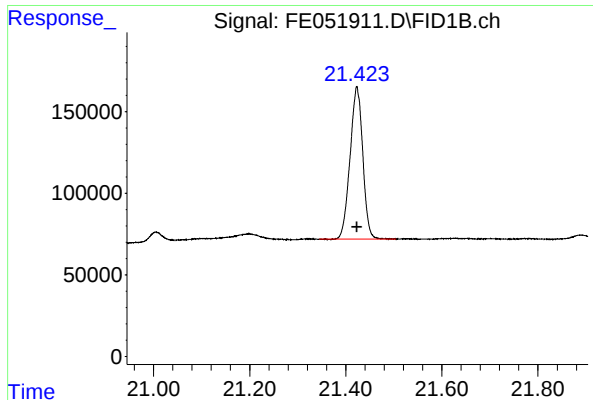
#19 n-Tetatriacontane (C34)

R.T.: 19.895 min
Delta R.T.: -0.001 min
Response: 2126990
Conc: 19.14 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.633 min
Delta R.T.: -0.002 min
Response: 1799870
Conc: 18.24 ug/ml



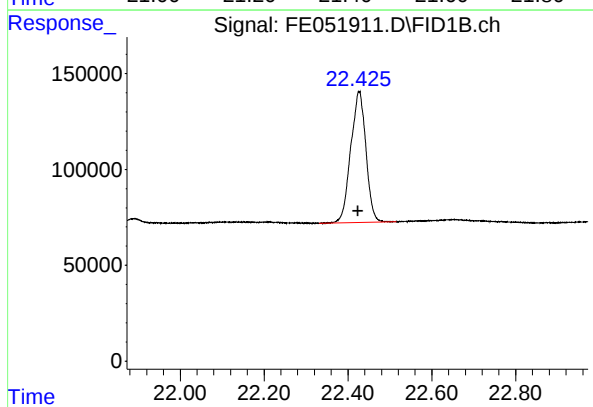
#21 n-Octatriacontane (C38)

R.T.: 21.423 min
Delta R.T.: 0.000 min
Response: 1714627
Conc: 18.11 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.427 min
Delta R.T.: 0.003 min
Response: 1714812
Conc: 18.63 ug/ml