

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120624AL\
 Data File : FE051578.D
 Signal(s) : FID1B.ch
 Acq On : 06 Dec 2024 19:35
 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 12/09/2024
 Supervised By :Ankita Jodhani 12/09/2024

Integration File: autoint1.e
 Quant Time: Dec 07 04:12:50 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 120224.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 02 14:18:35 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)	11.824	2985704	19.758 ug/ml
Spiked Amount 50.000		Recovery =	39.52%
12) S 1-chlorooctadecane (S...	13.257	2286840	20.463 ug/ml
Spiked Amount 50.000		Recovery =	40.93%
Target Compounds			
1) T n-Nonane (C9)	3.217	2765727	19.734 ug/ml
2) T n-Decane (C10)	4.464	2800502	19.748 ug/ml
3) T A~Naphthalene (C11.7)	6.179	2616278	19.791 ug/ml
4) T n-Dodecane (C12)	6.631	2850932	20.029 ug/ml
5) T A~2-methylnaphthalene...	7.275	2397508	19.985 ug/ml
6) T n-Tetradecane (C14)	8.457	2786514	19.989 ug/ml
7) T n-Hexadecane (C16)	10.062	2839225	19.983 ug/ml
8) T n-Octadecane (C18)	11.503	2857457	19.884 ug/ml
10) T n-Eicosane (C20)	12.810	2744661	19.883 ug/ml
11) T n-Heneicosane (C21)	13.421	2692769	19.866 ug/ml
13) T n-Docosane (C22)	14.006	2667204	19.919 ug/ml
14) T n-Tetracosane (C24)	15.107	2643762	20.008 ug/ml
15) T n-Hexacosane (C26)	16.126	2613004	20.150 ug/ml
16) T n-Octacosane (C28)	17.074	2606688	20.445 ug/ml
17) T n-Tricontane (C30)	17.961	2689372	20.770 ug/ml
18) T n-Dotriacontane (C32)	18.792	2628403	20.996 ug/ml
19) T n-Tetratriacontane (C34)	19.575	2325439	20.590 ug/ml
20) T n-Hexatriacontane (C36)	20.314	1993254	20.697 ug/ml
21) T n-Octatriacontane (C38)	21.033	1929397	21.192 ug/ml
22) T n-Tetracontane (C40)	21.906	1921075	21.921 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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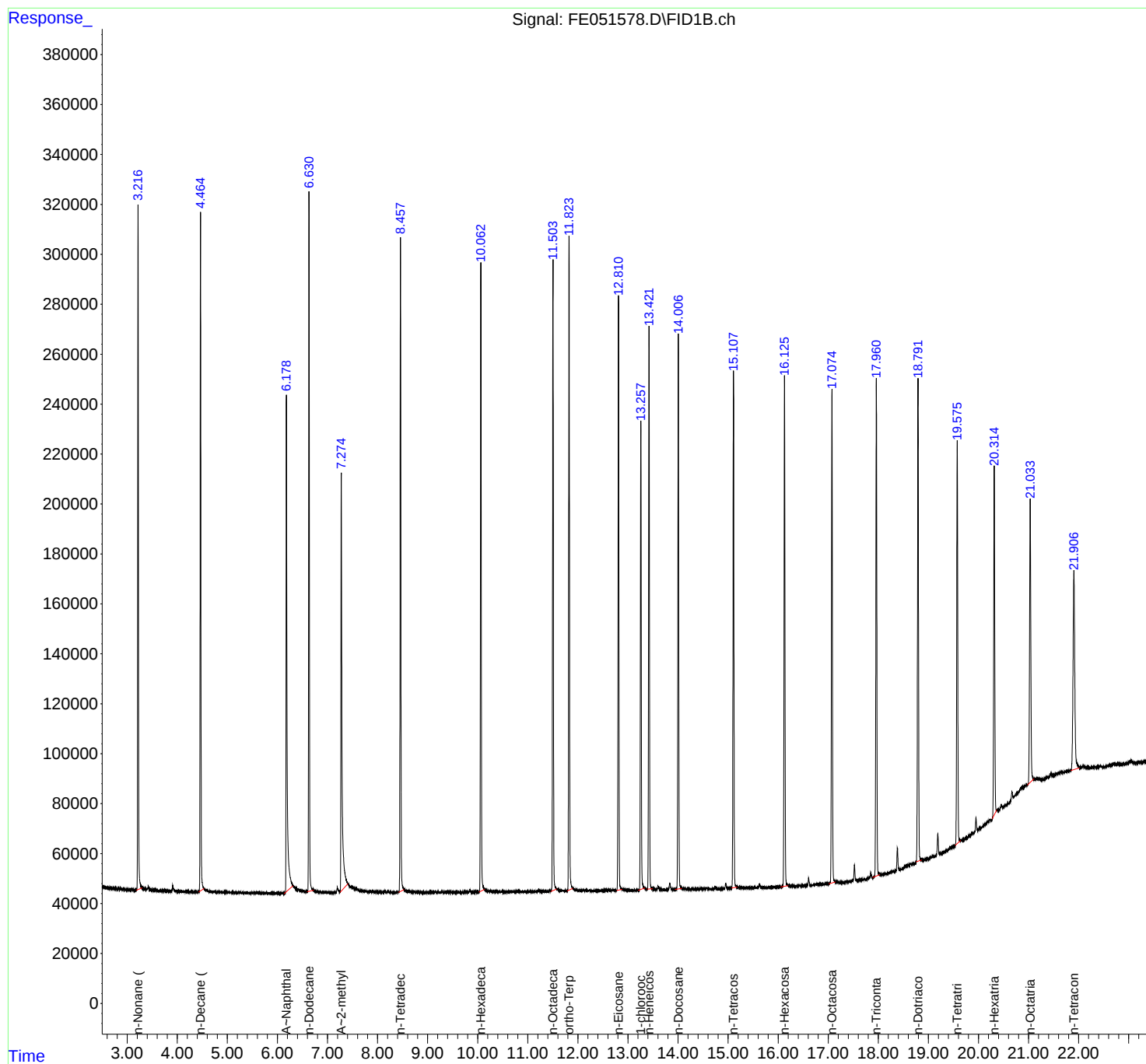
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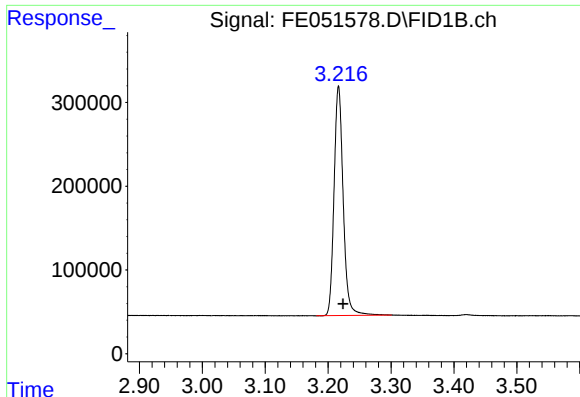
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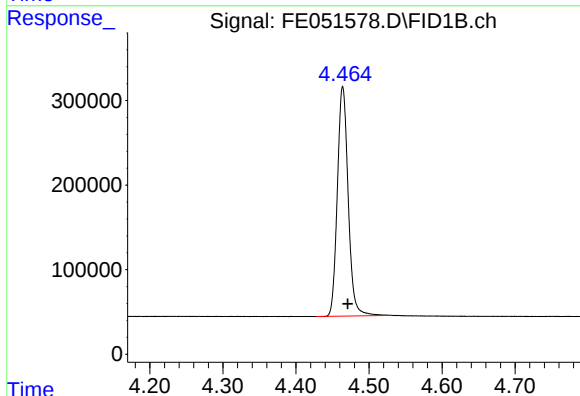
#1 n-Nonane (C9)

R.T.: 3.217 min
Delta R.T.: -0.007 min
Response: 2765727
Conc: 19.73 ug/ml

Instrument :
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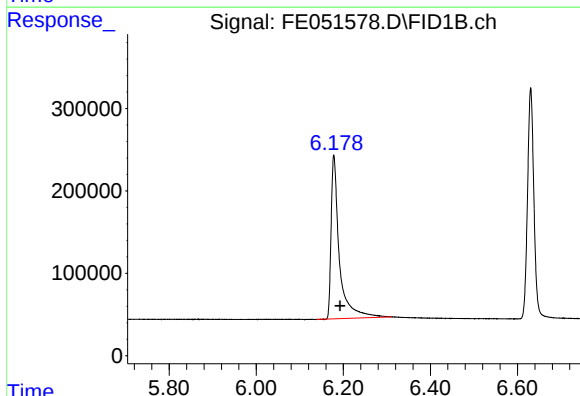
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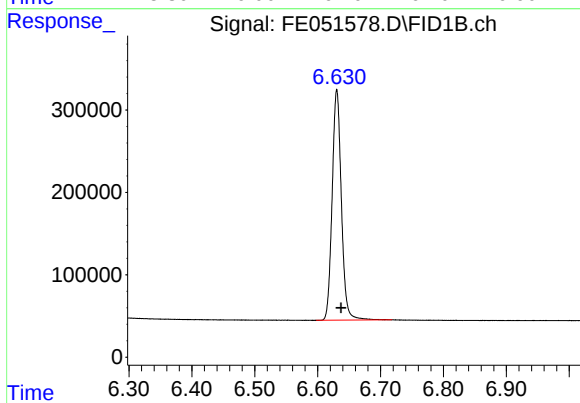
#2 n-Decane (C10)

R.T.: 4.464 min
Delta R.T.: -0.007 min
Response: 2800502
Conc: 19.75 ug/ml



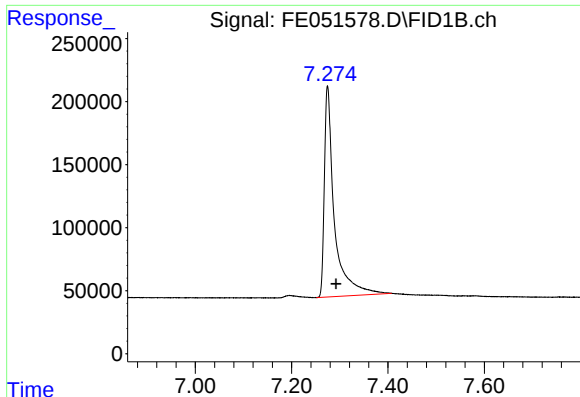
#3 A~Naphthalene (C11.7)

R.T.: 6.179 min
Delta R.T.: -0.014 min
Response: 2616278
Conc: 19.79 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.631 min
Delta R.T.: -0.006 min
Response: 2850932
Conc: 20.03 ug/ml



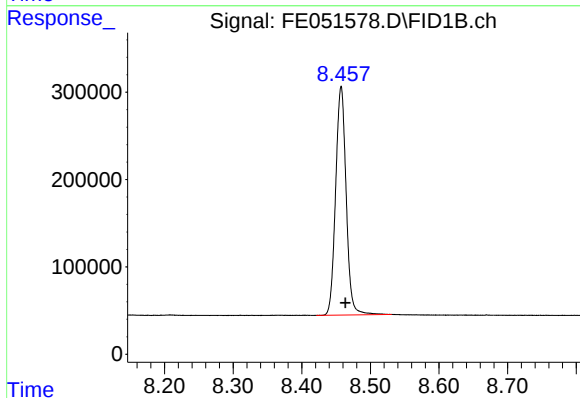
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.275 min
Delta R.T.: -0.017 min
Response: 2397508
Conc: 19.99 ug/ml

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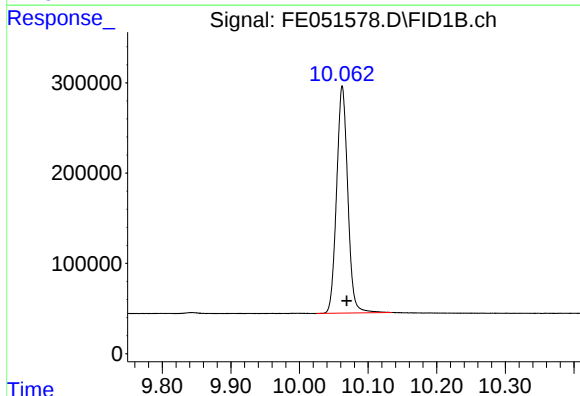
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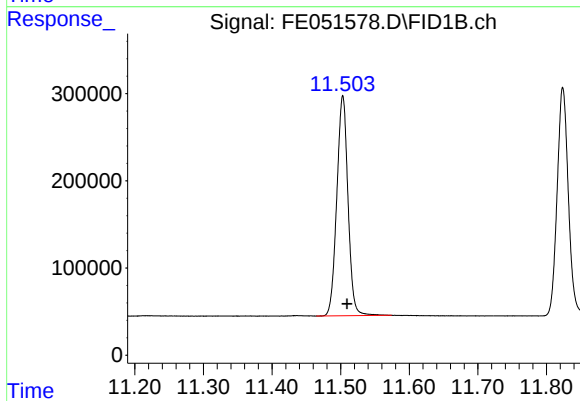
#6 n-Tetradecane (C14)

R.T.: 8.457 min
Delta R.T.: -0.006 min
Response: 2786514
Conc: 19.99 ug/ml



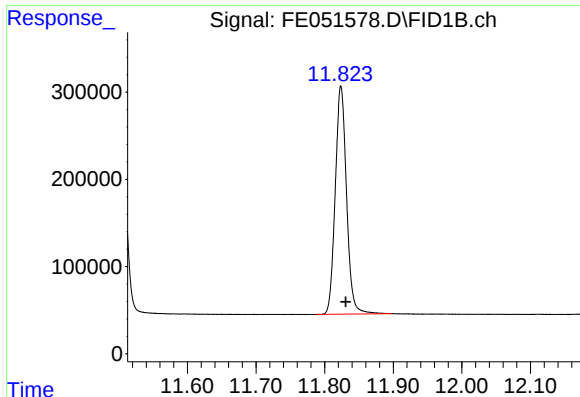
#7 n-Hexadecane (C16)

R.T.: 10.062 min
Delta R.T.: -0.007 min
Response: 2839225
Conc: 19.98 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.503 min
Delta R.T.: -0.006 min
Response: 2857457
Conc: 19.88 ug/ml



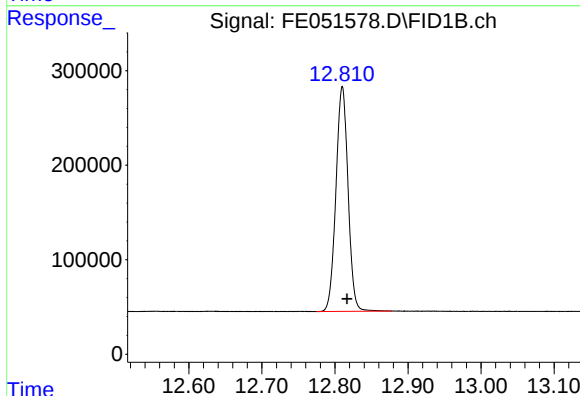
#9 ortho-Terphenyl (SURR)

R.T.: 11.824 min
Delta R.T.: -0.007 min
Response: 2985704
Conc: 19.76 ug/ml

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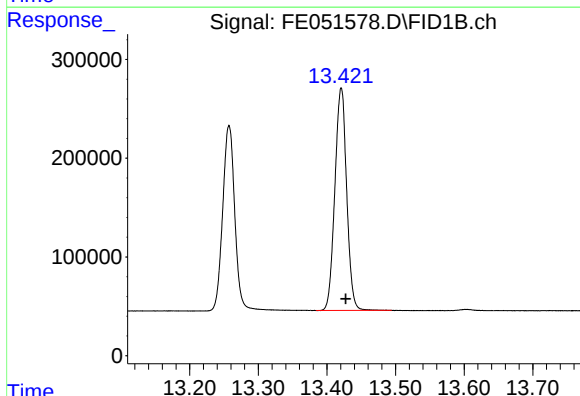
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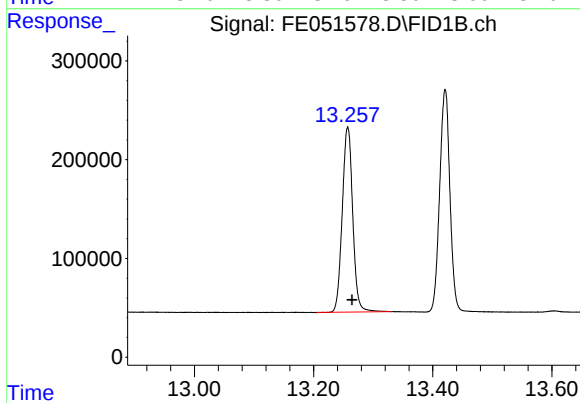
#10 n-Eicosane (C20)

R.T.: 12.810 min
Delta R.T.: -0.007 min
Response: 2744661
Conc: 19.88 ug/ml



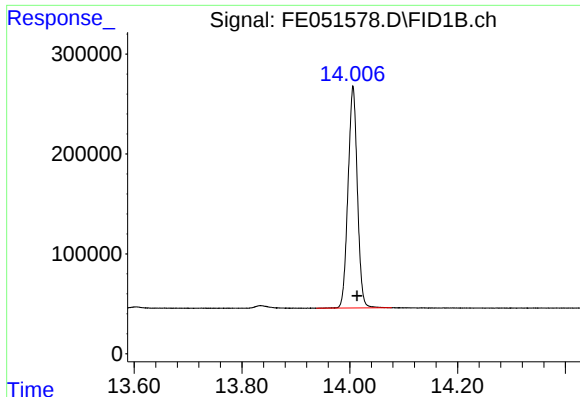
#11 n-Heneicosane (C21)

R.T.: 13.421 min
Delta R.T.: -0.007 min
Response: 2692769
Conc: 19.87 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.257 min
Delta R.T.: -0.007 min
Response: 2286840
Conc: 20.46 ug/ml



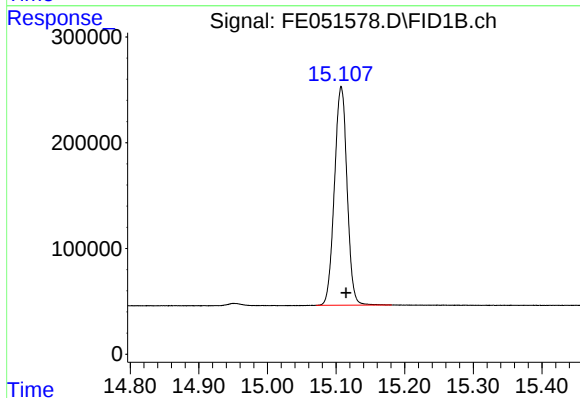
#13 n-Docosane (C22)

R.T.: 14.006 min
Delta R.T.: -0.007 min
Response: 2667204
Conc: 19.92 ug/ml

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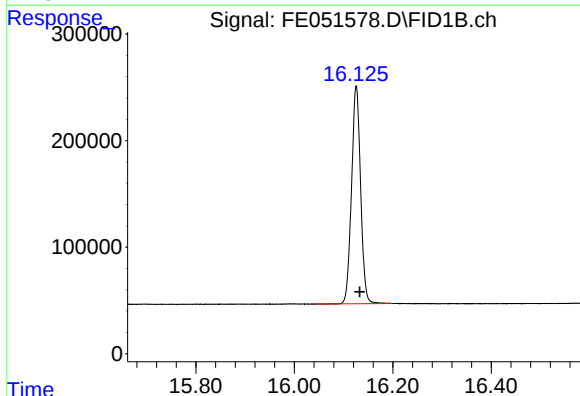
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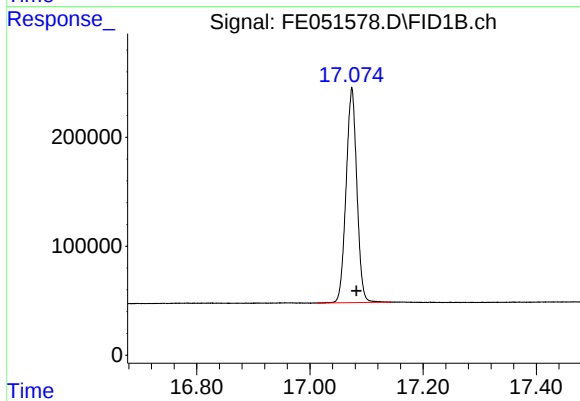
#14 n-Tetracosane (C24)

R.T.: 15.107 min
Delta R.T.: -0.007 min
Response: 2643762
Conc: 20.01 ug/ml



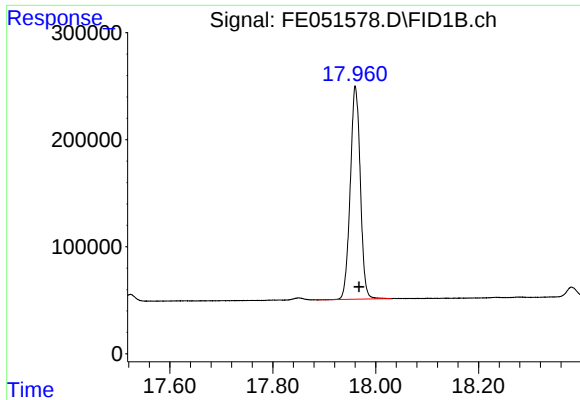
#15 n-Hexacosane (C26)

R.T.: 16.126 min
Delta R.T.: -0.007 min
Response: 2613004
Conc: 20.15 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.074 min
Delta R.T.: -0.008 min
Response: 2606688
Conc: 20.45 ug/ml



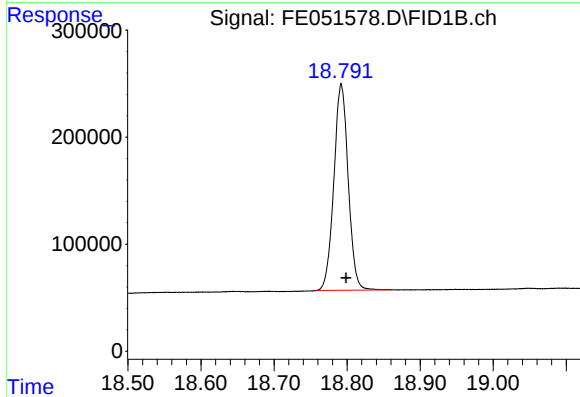
#17 n-Tricontane (C30)

R.T.: 17.961 min
Delta R.T.: -0.007 min
Response: 2689372
Conc: 20.77 ug/ml

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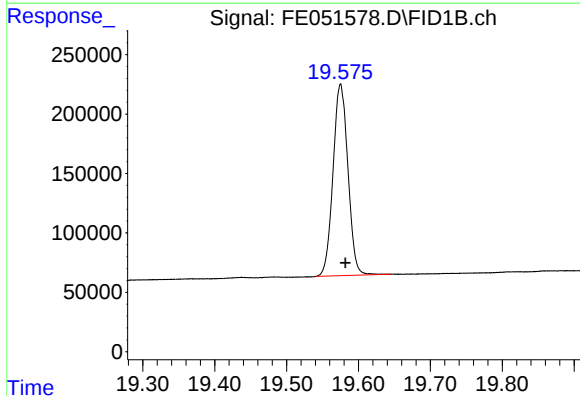
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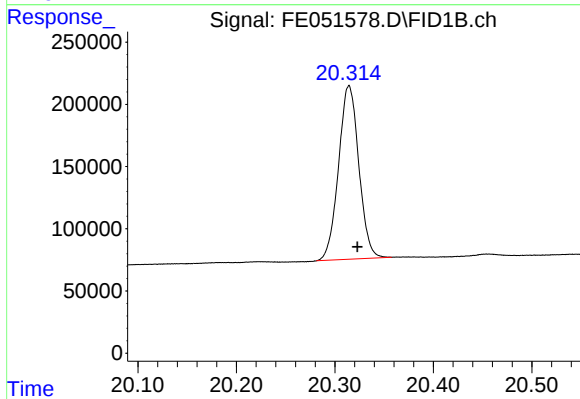
#18 n-Dotriacontane (C32)

R.T.: 18.792 min
Delta R.T.: -0.007 min
Response: 2628403
Conc: 21.00 ug/ml



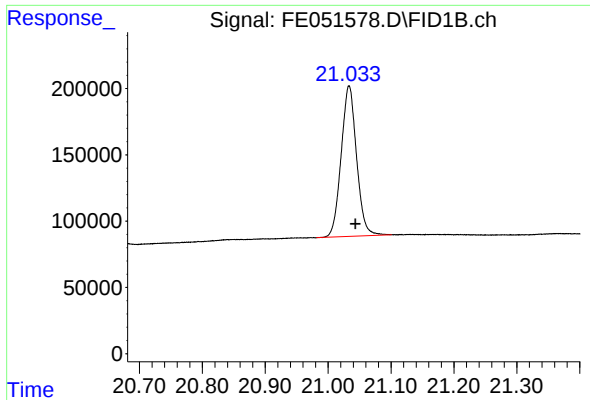
#19 n-Tetratriacontane (C34)

R.T.: 19.575 min
Delta R.T.: -0.007 min
Response: 2325439
Conc: 20.59 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.314 min
Delta R.T.: -0.009 min
Response: 1993254
Conc: 20.70 ug/ml



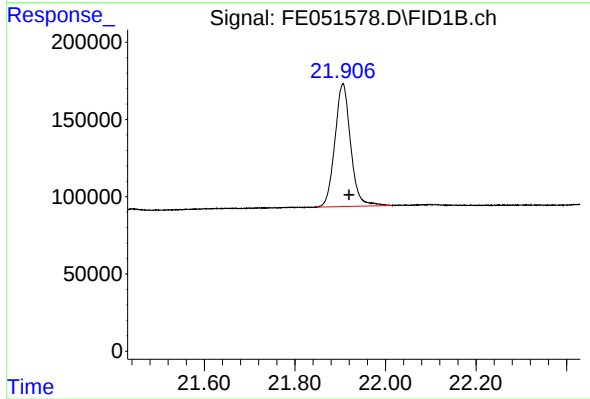
#21 n-Octatriacontane (C38)

R.T.: 21.033 min
Delta R.T.: -0.010 min
Response: 1929397
Conc: 21.19 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.906 min
Delta R.T.: -0.013 min
Response: 1921075
Conc: 21.92 ug/ml m