

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE121124AL\
 Data File : FE051633.D
 Signal(s) : FID1B.ch
 Acq On : 11 Dec 2024 20:19
 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 12/12/2024
 Supervised By :Ankita Jodhani 12/12/2024

Integration File: autoint1.e
 Quant Time: Dec 12 00:39:07 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)	11.825	2734220	18.093 ug/ml
Spiked Amount 50.000		Recovery =	36.19%
12) S 1-chlorooctadecane (S...	13.258	2088648	18.690 ug/ml
Spiked Amount 50.000		Recovery =	37.38%
Target Compounds			
1) T n-Nonane (C9)	3.214	2479643	17.693 ug/ml
2) T n-Decane (C10)	4.462	2562854	18.073 ug/ml
3) T A~Naphthalene (C11.7)	6.178	2357991	17.837 ug/ml
4) T n-Dodecane (C12)	6.630	2600950	18.272 ug/ml
5) T A~2-methylnaphthalene...	7.274	2183162	18.198 ug/ml
6) T n-Tetradecane (C14)	8.457	2570887	18.443 ug/ml
7) T n-Hexadecane (C16)	10.062	2613781	18.396 ug/ml
8) T n-Octadecane (C18)	11.504	2627529	18.284 ug/ml
10) T n-Eicosane (C20)	12.811	2503895	18.139 ug/ml
11) T n-Heneicosane (C21)	13.422	2445416	18.041 ug/ml
13) T n-Docosane (C22)	14.008	2439062	18.215 ug/ml
14) T n-Tetracosane (C24)	15.108	2413538	18.266 ug/ml
15) T n-Hexacosane (C26)	16.129	2416668	18.636 ug/ml
16) T n-Octacosane (C28)	17.078	2441990	19.154 ug/ml
17) T n-Tricontane (C30)	17.965	2624029	20.266 ug/mlm
18) T n-Dotriacontane (C32)	18.797	2583619	20.638 ug/ml
19) T n-Tetratriacontane (C34)	19.580	2301964	20.382 ug/ml
20) T n-Hexatriacontane (C36)	20.320	2046020	21.245 ug/ml
21) T n-Octatriacontane (C38)	21.040	1933680	21.239 ug/ml
22) T n-Tetracontane (C40)	21.912	2043530	23.318 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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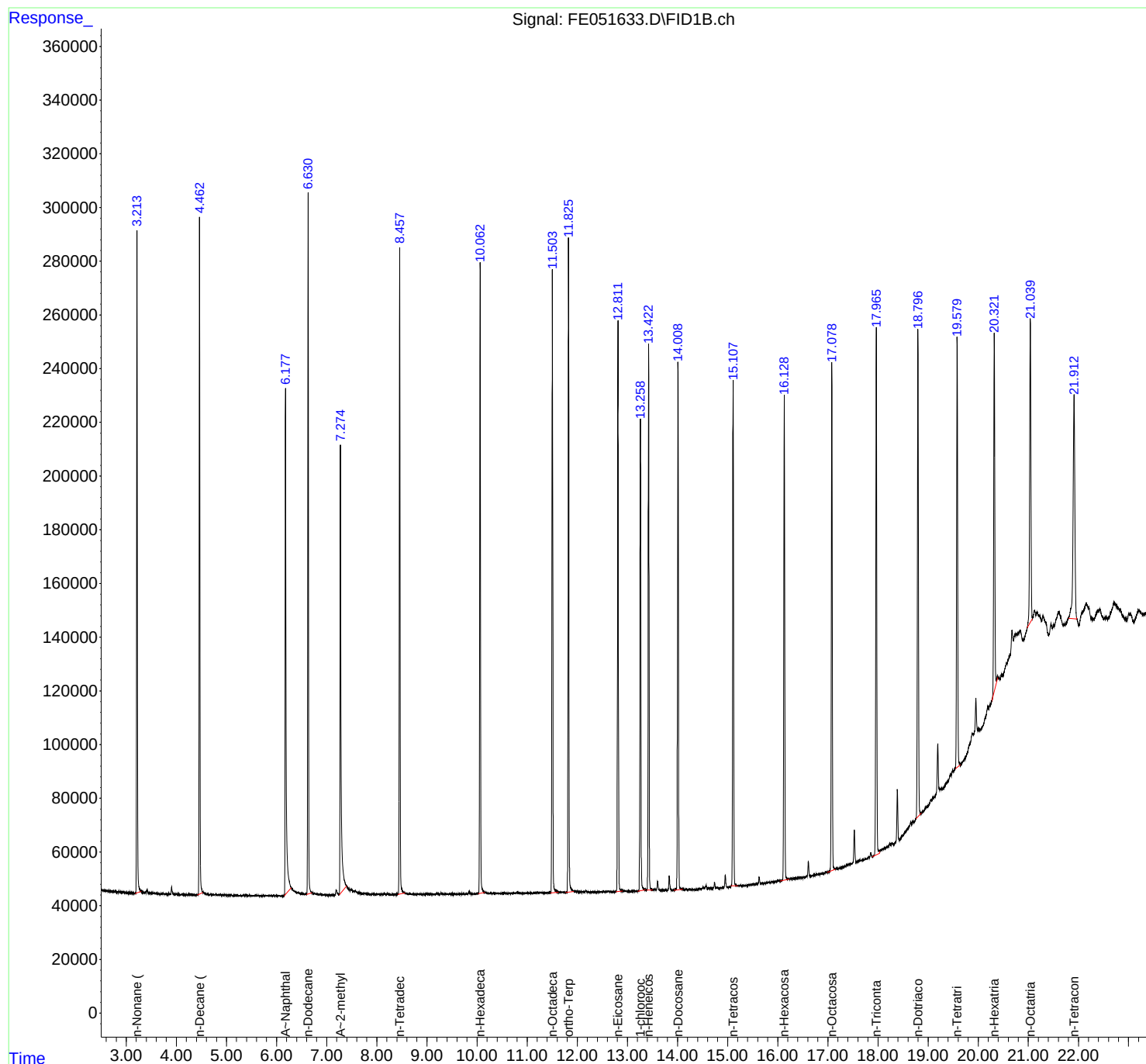
Instrument :
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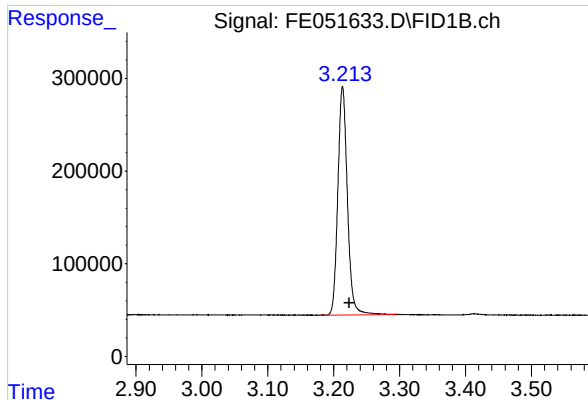
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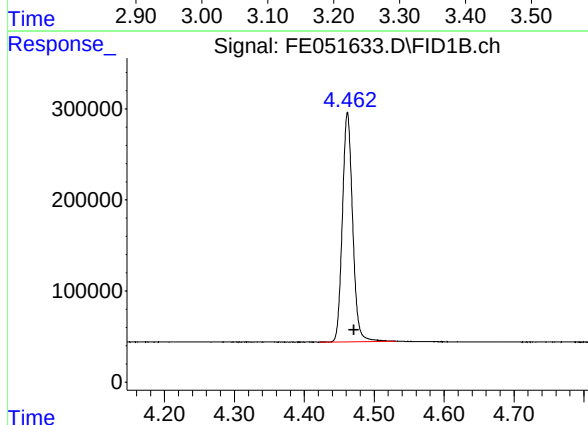
#1 n-Nonane (C9)

R.T.: 3.214 min
Delta R.T.: -0.010 min
Response: 2479643
Conc: 17.69 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

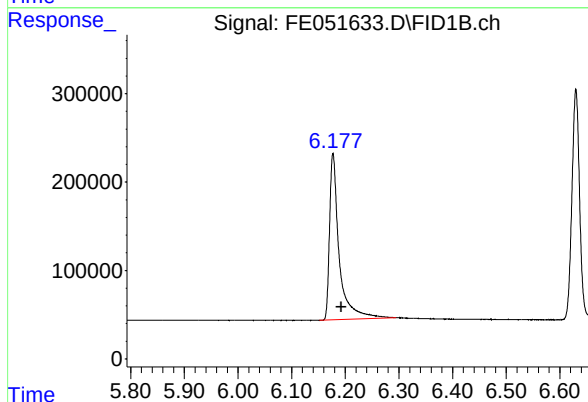
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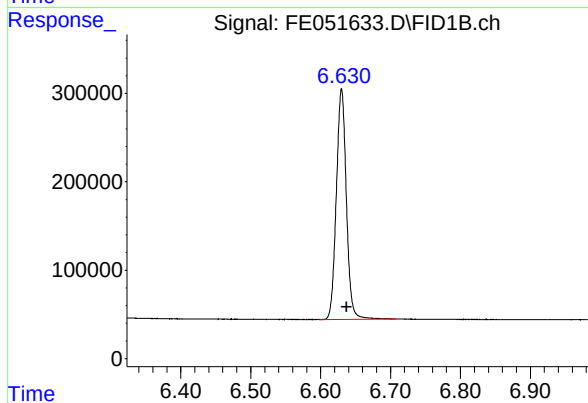
#2 n-Decane (C10)

R.T.: 4.462 min
Delta R.T.: -0.009 min
Response: 2562854
Conc: 18.07 ug/ml



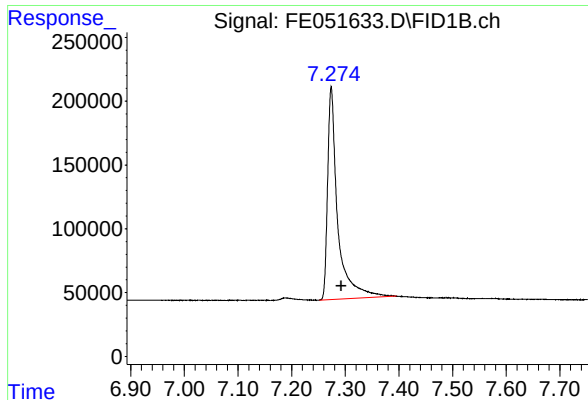
#3 A~Naphthalene (C11.7)

R.T.: 6.178 min
Delta R.T.: -0.015 min
Response: 2357991
Conc: 17.84 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.630 min
Delta R.T.: -0.007 min
Response: 2600950
Conc: 18.27 ug/ml



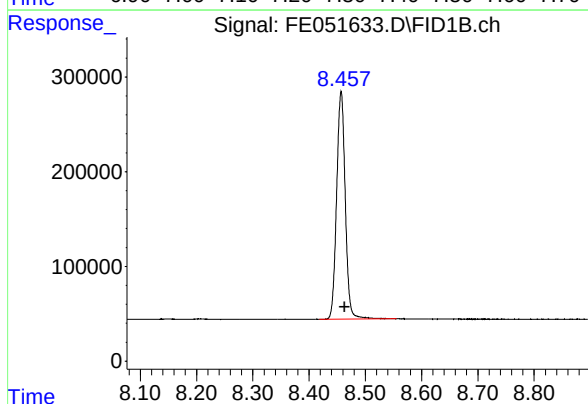
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.274 min
Delta R.T.: -0.018 min
Response: 2183162
Conc: 18.20 ug/ml

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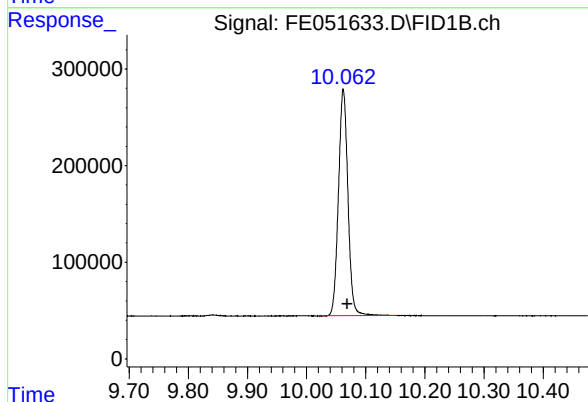
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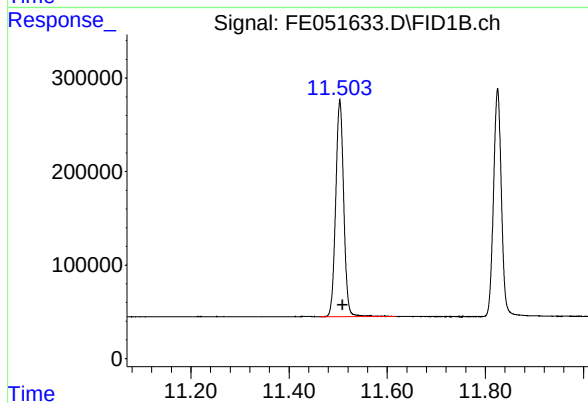
#6 n-Tetradecane (C14)

R.T.: 8.457 min
Delta R.T.: -0.006 min
Response: 2570887
Conc: 18.44 ug/ml



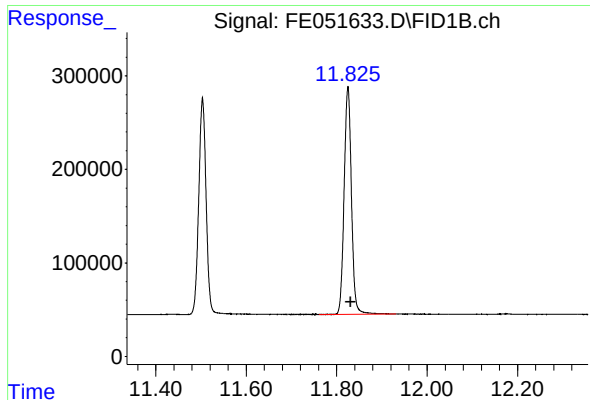
#7 n-Hexadecane (C16)

R.T.: 10.062 min
Delta R.T.: -0.007 min
Response: 2613781
Conc: 18.40 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.504 min
Delta R.T.: -0.006 min
Response: 2627529
Conc: 18.28 ug/ml



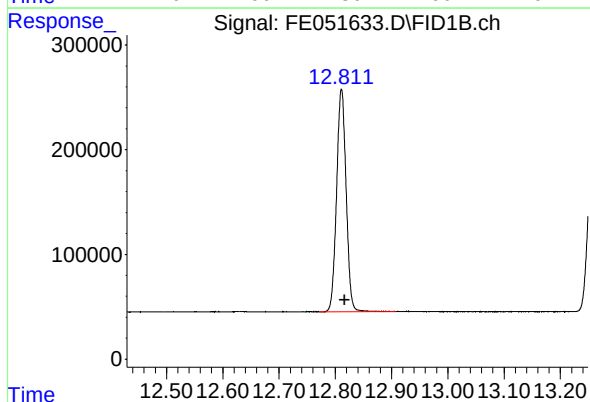
#9 ortho-Terphenyl (SURR)

R.T.: 11.825 min
Delta R.T.: -0.006 min
Response: 2734220
Conc: 18.09 ug/ml

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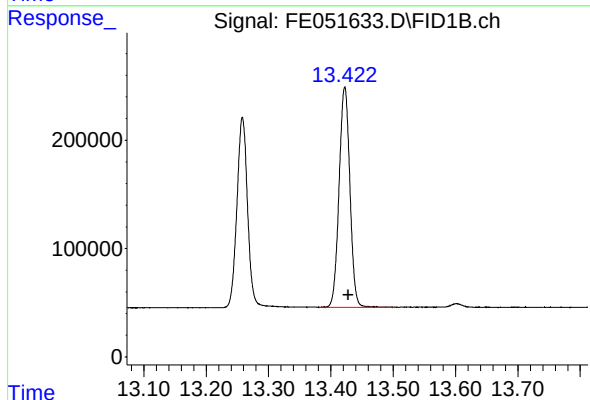
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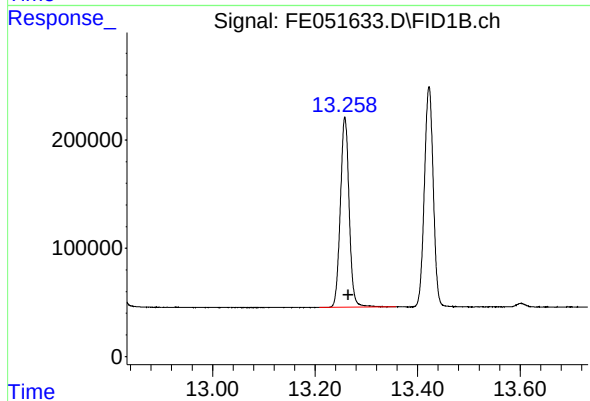
#10 n-Eicosane (C20)

R.T.: 12.811 min
Delta R.T.: -0.006 min
Response: 2503895
Conc: 18.14 ug/ml



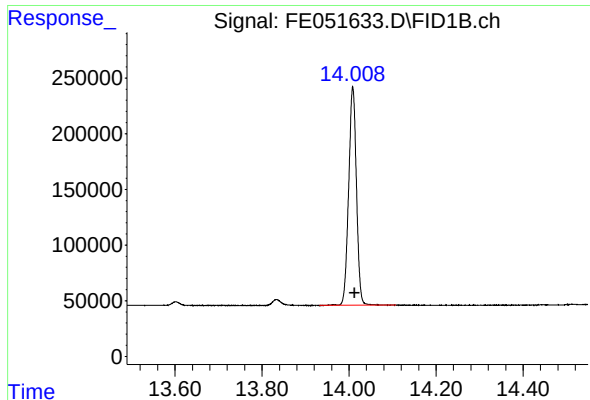
#11 n-Heneicosane (C21)

R.T.: 13.422 min
Delta R.T.: -0.005 min
Response: 2445416
Conc: 18.04 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.258 min
Delta R.T.: -0.006 min
Response: 2088648
Conc: 18.69 ug/ml



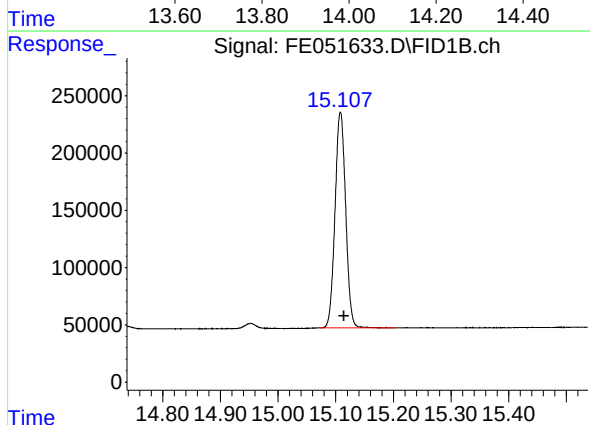
#13 n-Docosane (C22)

R.T.: 14.008 min
Delta R.T.: -0.005 min
Response: 2439062
Conc: 18.22 ug/ml

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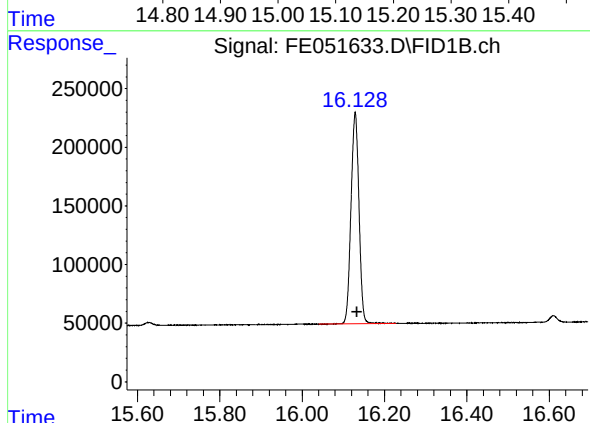
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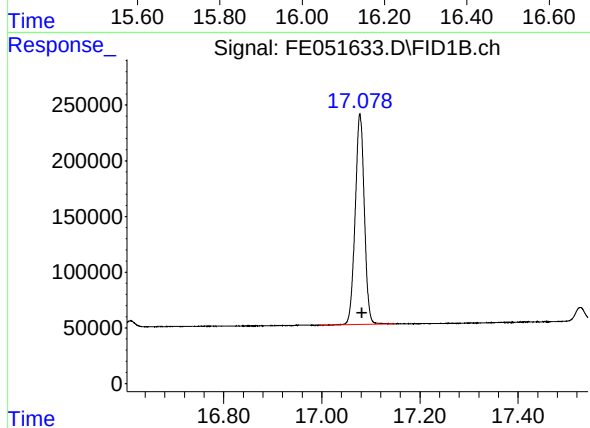
#14 n-Tetracosane (C24)

R.T.: 15.108 min
Delta R.T.: -0.006 min
Response: 2413538
Conc: 18.27 ug/ml



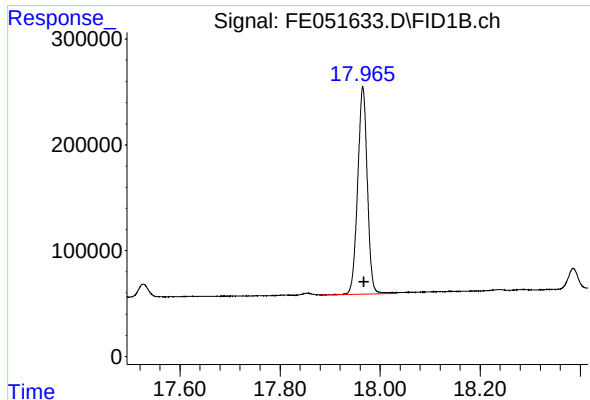
#15 n-Hexacosane (C26)

R.T.: 16.129 min
Delta R.T.: -0.005 min
Response: 2416668
Conc: 18.64 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.078 min
Delta R.T.: -0.004 min
Response: 2441990
Conc: 19.15 ug/ml



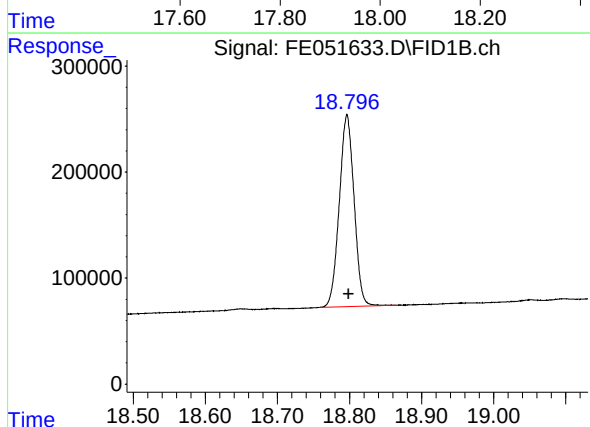
#17 n-Tricontane (C30)

R.T.: 17.965 min
Delta R.T.: -0.002 min
Response: 2624029
Conc: 20.27 ug/ml

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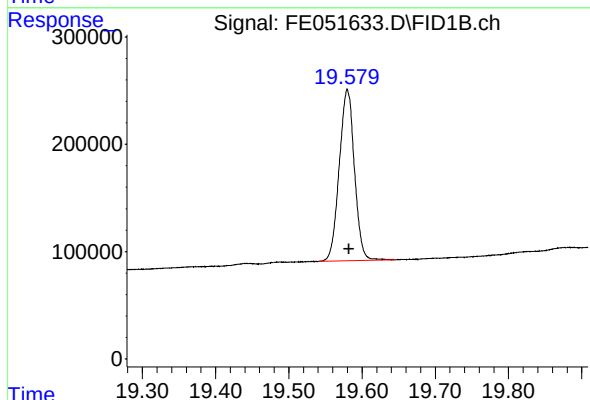
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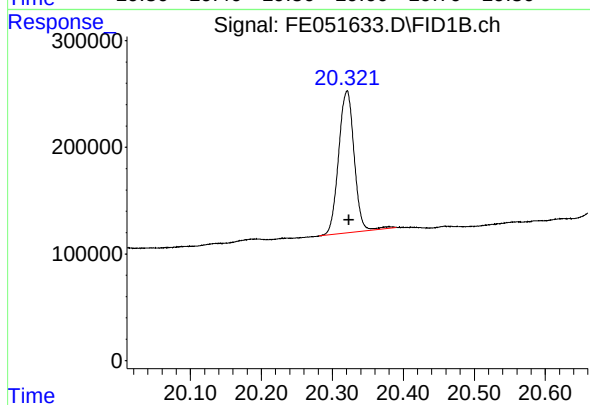
#18 n-Dotriacontane (C32)

R.T.: 18.797 min
Delta R.T.: -0.002 min
Response: 2583619
Conc: 20.64 ug/ml



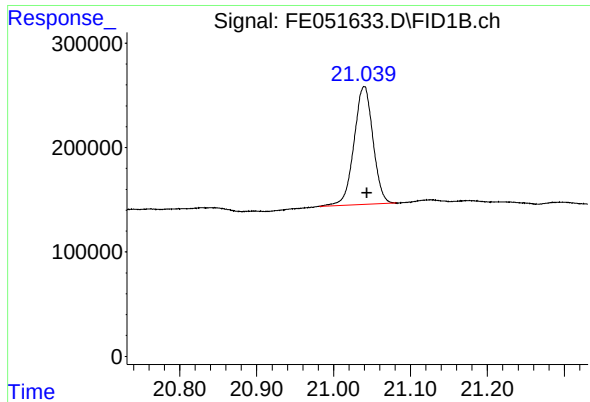
#19 n-Tetratriacontane (C34)

R.T.: 19.580 min
Delta R.T.: -0.002 min
Response: 2301964
Conc: 20.38 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.320 min
Delta R.T.: -0.003 min
Response: 2046020
Conc: 21.24 ug/ml



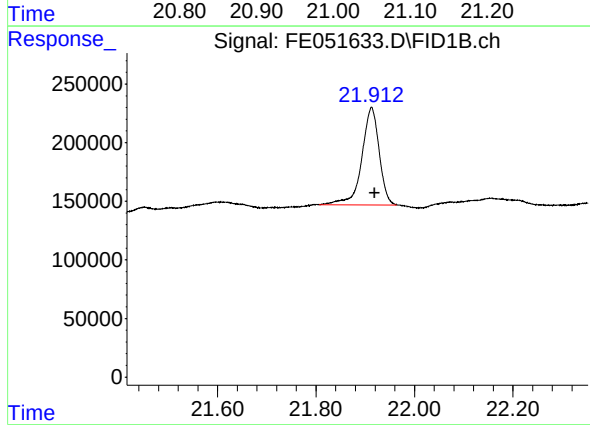
#21 n-Octatriacontane (C38)

R.T.: 21.040 min
Delta R.T.: -0.004 min
Response: 1933680
Conc: 21.24 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.912 min
Delta R.T.: -0.007 min
Response: 2043530
Conc: 23.32 ug/ml m