

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE010722AL\
 Data File : FE034682.D
 Signal(s) : FID1B.CH
 Acq On : 08 Jan 2022 2:25
 Operator : AJ\MA
 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 01/10/2022
 Supervised By :Ankita Jodhani 01/10/2022

Integration File: autoint1.e
 Quant Time: Jan 08 02:46:16 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 010622.M
 Quant Title : GC Extractables
 QLast Update : Fri Jan 07 12:52:40 2022
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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)	11.094	2683053	19.394 ug/ml
Spiked Amount 50.000		Recovery =	38.79%
12) S 1-chlorooctadecane (S...	12.527	2058066	19.547 ug/ml
Spiked Amount 50.000		Recovery =	39.09%
Target Compounds			
1) T n-Nonane (C9)	2.933	2392498	20.520 ug/ml
2) T n-Decane (C10)	3.965	2436282	20.606 ug/ml
3) T A~Naphthalene (C11.7)	5.530	2717529	20.597 ug/ml
4) T n-Dodecane (C12)	5.963	2450813	20.588 ug/ml
5) T A~2-methylnaphthalene...	6.578	2738133	20.559 ug/ml
6) T n-Tetradecane (C14)	7.750	2489642	20.507 ug/ml
7) T n-Hexadecane (C16)	9.345	2476127	20.328 ug/ml
8) T n-Octadecane (C18)	10.782	2488753	19.959 ug/ml
10) T n-Eicosane (C20)	12.086	2410652	19.547 ug/ml
11) T n-Heneicosane (C21)	12.695	2399212	19.276 ug/ml
13) T n-Docosane (C22)	13.280	2342326	18.999 ug/ml
14) T n-Tetracosane (C24)	14.378	2270053	18.448 ug/ml
15) T n-Hexacosane (C26)	15.395	2168691	18.200 ug/ml
16) T n-Octacosane (C28)	16.340	2097207	18.139 ug/ml
17) T n-Tricontane (C30)	17.225	2035059	18.642 ug/ml
18) T n-Dotriacontane (C32)	18.054	1888137	19.693 ug/ml
19) T n-Tetratriacontane (C34)	18.834	1660909	20.028 ug/mlm
20) T n-Hexatriacontane (C36)	19.571	1569858	22.989 ug/mlm
21) T n-Octatriacontane (C38)	20.280	1300846	22.568 ug/mlm
22) T n-Tetracontane (C40)	21.123	1191556	23.833 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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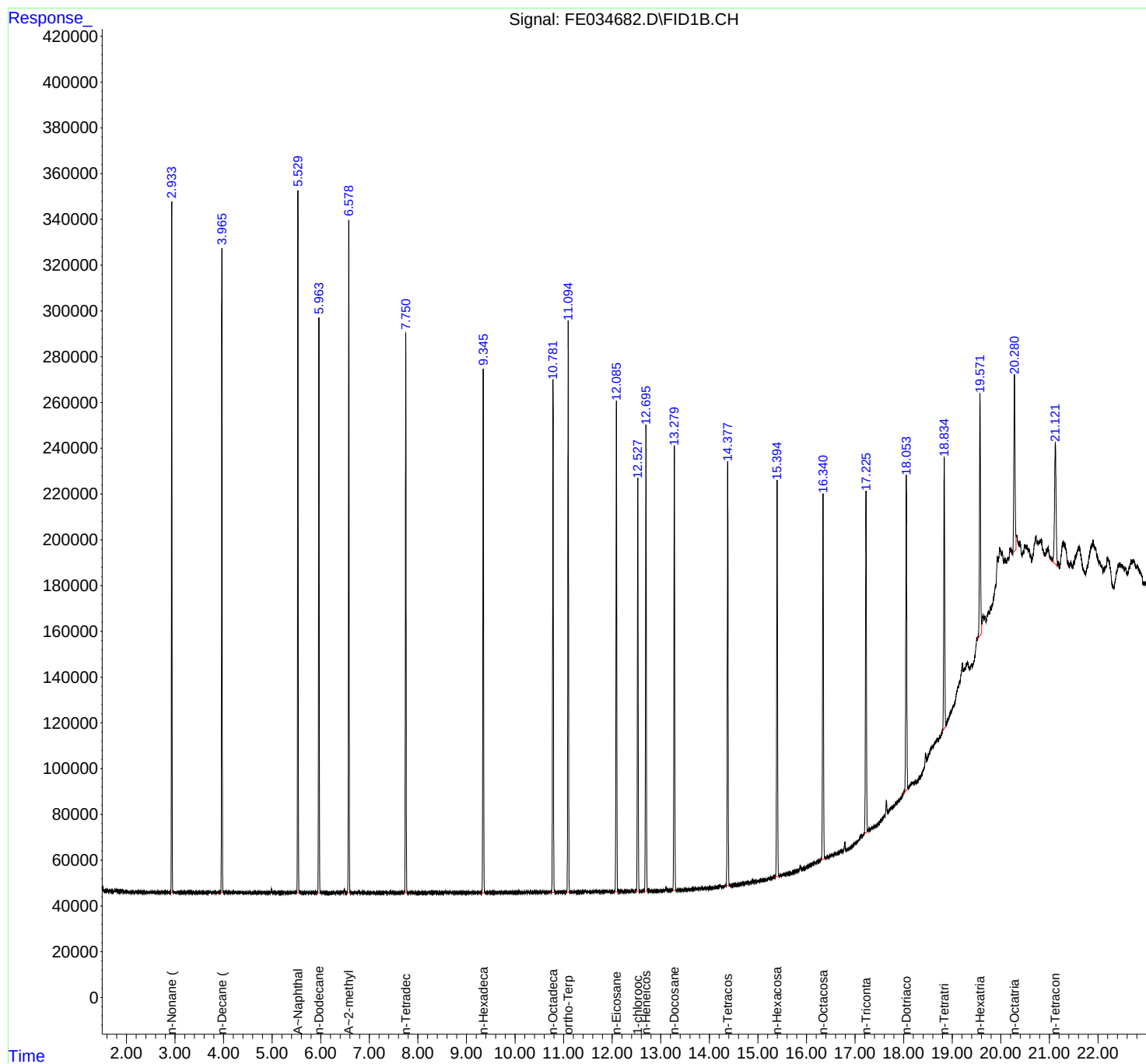
Instrument :
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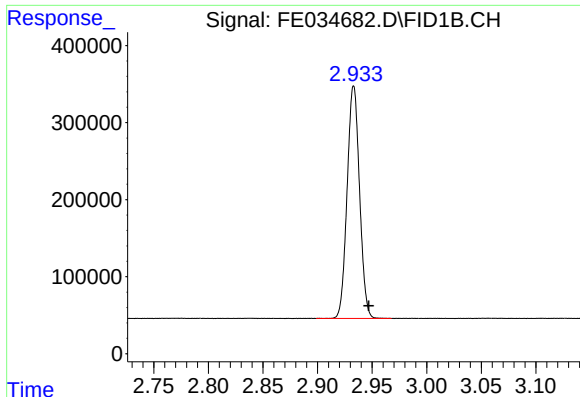
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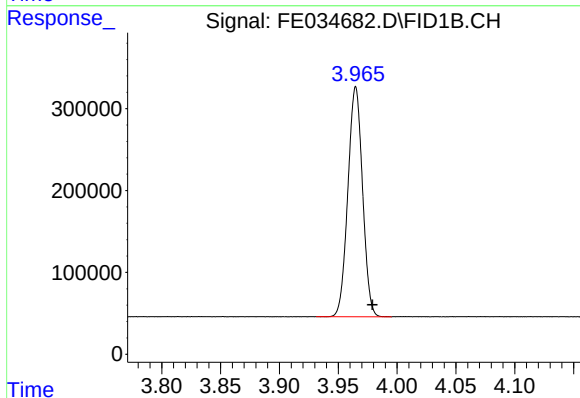
#1 n-Nonane (C9)

R.T.: 2.933 min
Delta R.T.: -0.014 min
Response: 2392498
Conc: 20.52 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

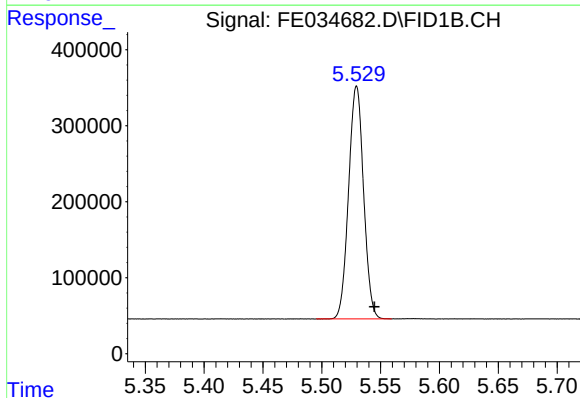
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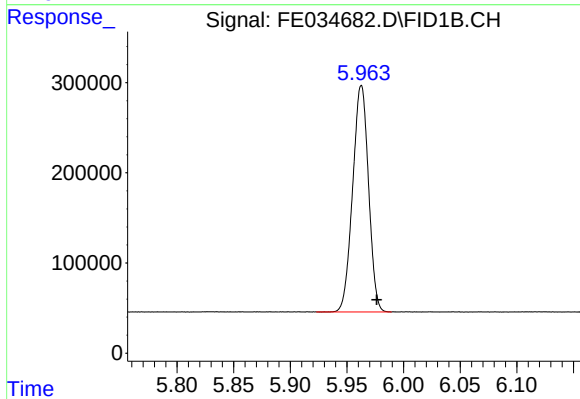
#2 n-Decane (C10)

R.T.: 3.965 min
Delta R.T.: -0.014 min
Response: 2436282
Conc: 20.61 ug/ml



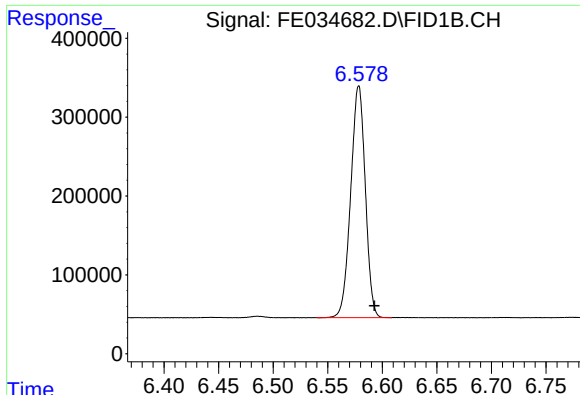
#3 A~Naphthalene (C11.7)

R.T.: 5.530 min
Delta R.T.: -0.015 min
Response: 2717529
Conc: 20.60 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.963 min
Delta R.T.: -0.014 min
Response: 2450813
Conc: 20.59 ug/ml



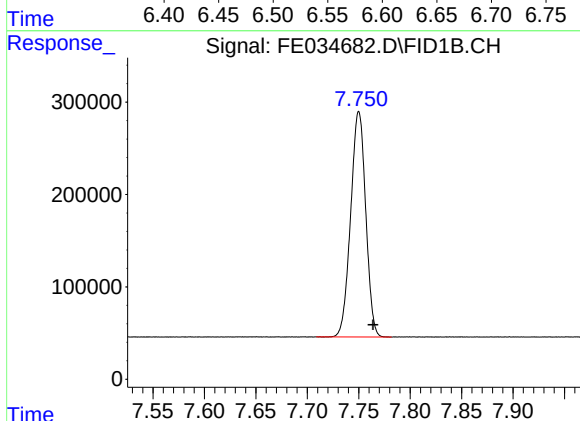
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.578 min
Delta R.T.: -0.014 min
Response: 2738133
Conc: 20.56 ug/ml

Instrument :
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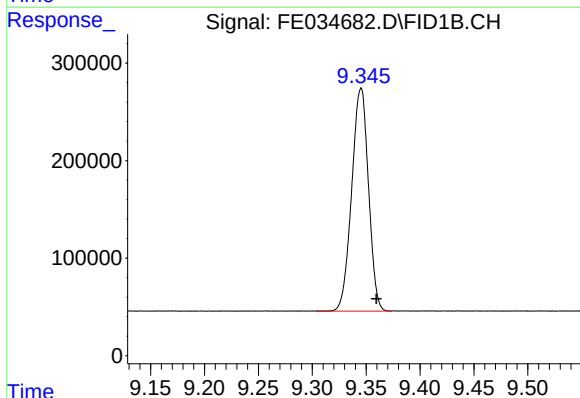
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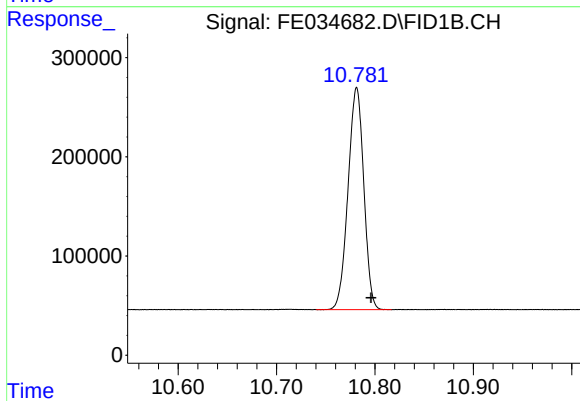
#6 n-Tetradecane (C14)

R.T.: 7.750 min
Delta R.T.: -0.014 min
Response: 2489642
Conc: 20.51 ug/ml



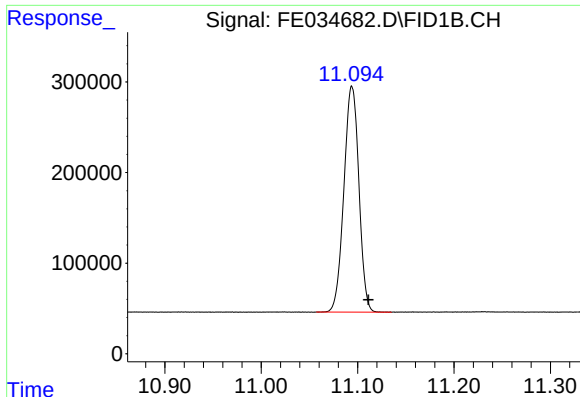
#7 n-Hexadecane (C16)

R.T.: 9.345 min
Delta R.T.: -0.014 min
Response: 2476127
Conc: 20.33 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.782 min
Delta R.T.: -0.015 min
Response: 2488753
Conc: 19.96 ug/ml



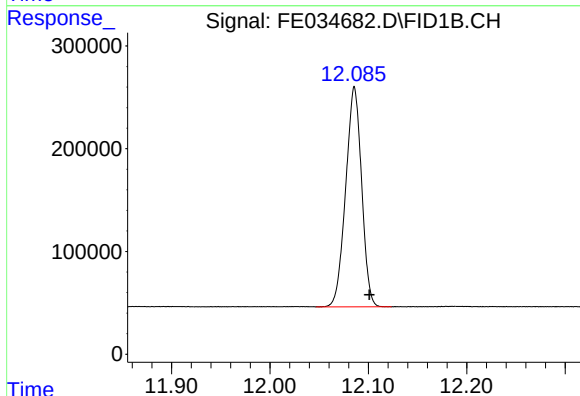
#9 ortho-Terphenyl (SURR)

R.T.: 11.094 min
Delta R.T.: -0.017 min
Response: 2683053
Conc: 19.39 ug/ml

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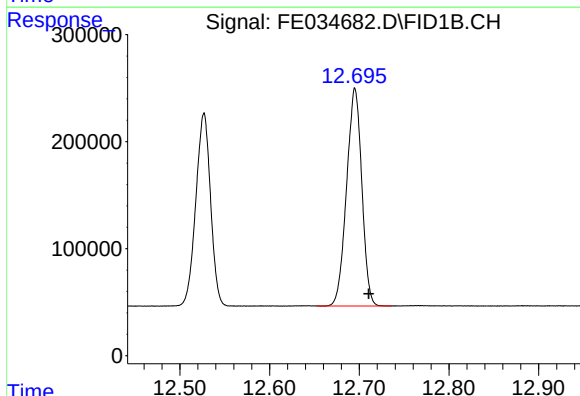
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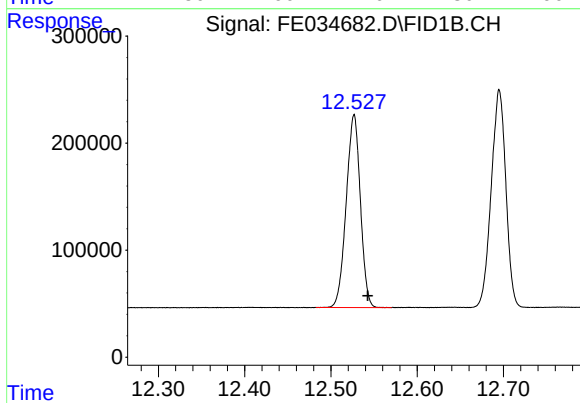
#10 n-Eicosane (C20)

R.T.: 12.086 min
Delta R.T.: -0.015 min
Response: 2410652
Conc: 19.55 ug/ml



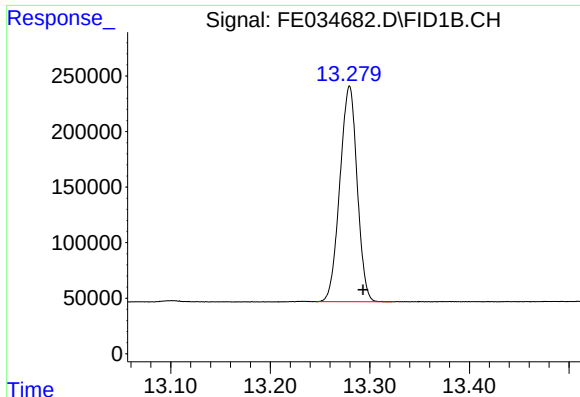
#11 n-Heneicosane (C21)

R.T.: 12.695 min
Delta R.T.: -0.015 min
Response: 2399212
Conc: 19.28 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.527 min
Delta R.T.: -0.016 min
Response: 2058066
Conc: 19.55 ug/ml



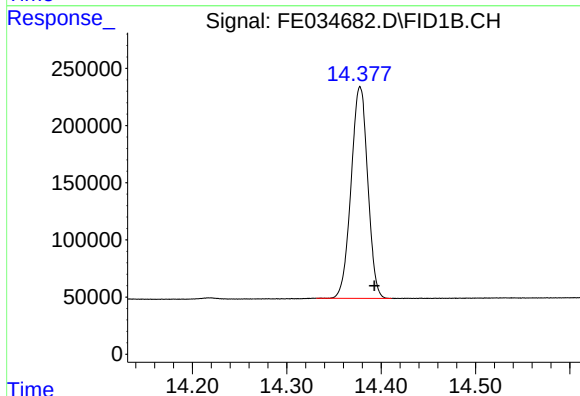
#13 n-Docosane (C22)

R.T.: 13.280 min
Delta R.T.: -0.014 min
Response: 2342326
Conc: 19.00 ug/ml

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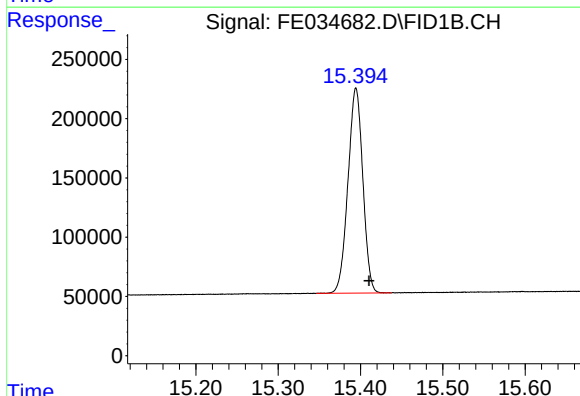
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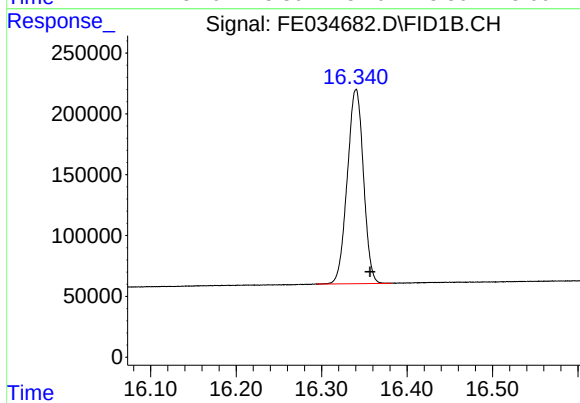
#14 n-Tetracosane (C24)

R.T.: 14.378 min
Delta R.T.: -0.015 min
Response: 2270053
Conc: 18.45 ug/ml



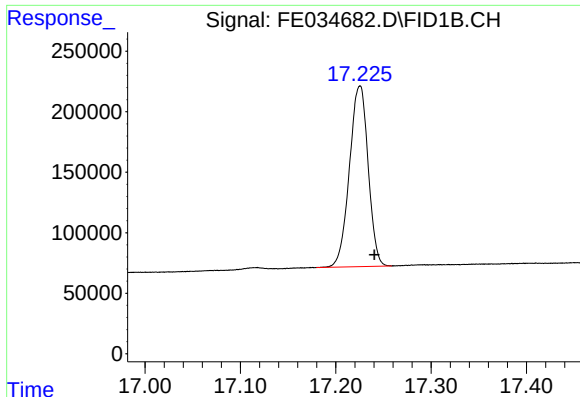
#15 n-Hexacosane (C26)

R.T.: 15.395 min
Delta R.T.: -0.016 min
Response: 2168691
Conc: 18.20 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.340 min
Delta R.T.: -0.016 min
Response: 2097207
Conc: 18.14 ug/ml



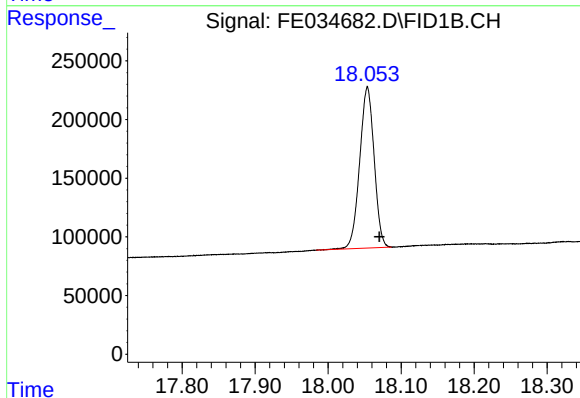
#17 n-Tricontane (C30)

R.T.: 17.225 min
Delta R.T.: -0.015 min
Response: 2035059
Conc: 18.64 ug/ml

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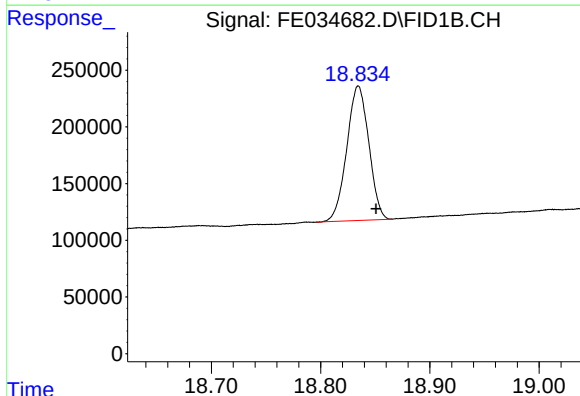
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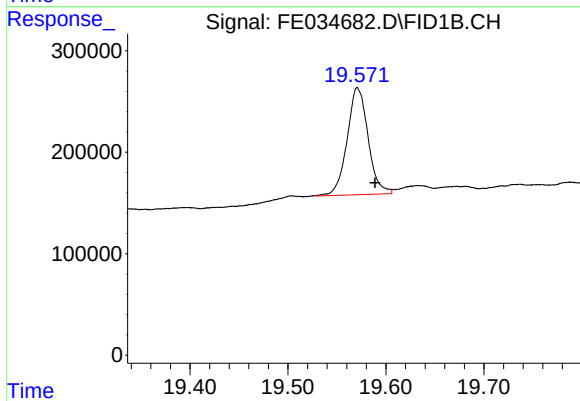
#18 n-Dotriacontane (C32)

R.T.: 18.054 min
Delta R.T.: -0.016 min
Response: 1888137
Conc: 19.69 ug/ml



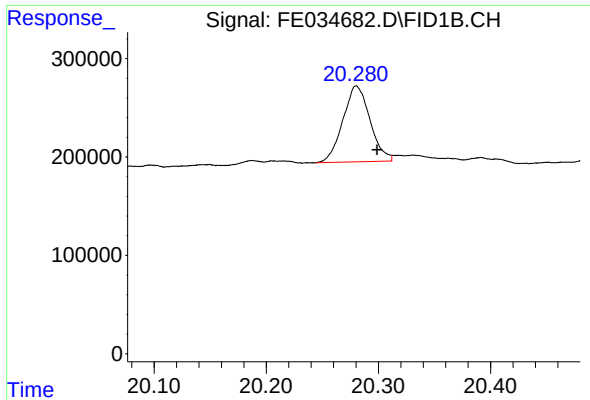
#19 n-Tetratriacontane (C34)

R.T.: 18.834 min
Delta R.T.: -0.017 min
Response: 1660909
Conc: 20.03 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.571 min
Delta R.T.: -0.018 min
Response: 1569858
Conc: 22.99 ug/ml m



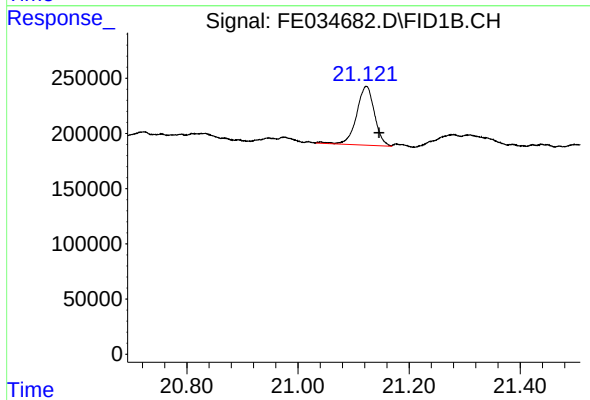
#21 n-Octatriacontane (C38)

R.T.: 20.280 min
Delta R.T.: -0.019 min
Response: 1300846
Conc: 22.57 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.123 min
Delta R.T.: -0.023 min
Response: 1191556
Conc: 23.83 ug/ml