

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD121621AL\
 Data File : FD039978.D
 Signal(s) : FID2B.CH
 Acq On : 17 Dec 2021 3:25
 Operator : AJ\MA
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/17/2021
 Supervised By :Ankita Jodhani 12/17/2021

Integration File: autoint1.e
 Quant Time: Dec 17 05:12:03 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 121521.M
 Quant Title : GC Extractables
 QLast Update : Wed Dec 15 16:44:55 2021
 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)	10.770	3243819	20.663 ug/ml
Spiked Amount 50.000		Recovery =	41.33%
12) S 1-chlorooctadecane (S...	12.204	2553814	20.680 ug/ml
Spiked Amount 50.000		Recovery =	41.36%
Target Compounds			
1) T n-Nonane (C9)	2.667	2947078	20.942 ug/ml
2) T n-Decane (C10)	3.668	2989452	20.959 ug/ml
3) T A~Naphthalene (C11.7)	5.218	3351239	20.877 ug/ml
4) T n-Dodecane (C12)	5.650	2995477	20.979 ug/ml
5) T A~2-methylnaphthalene...	6.262	3377250	20.928 ug/ml
6) T n-Tetradecane (C14)	7.432	3028502	21.012 ug/ml
7) T n-Hexadecane (C16)	9.024	3048196	20.953 ug/ml
8) T n-Octadecane (C18)	10.460	3104409	20.862 ug/ml
10) T n-Eicosane (C20)	11.763	3037010	20.766 ug/ml
11) T n-Heneicosane (C21)	12.372	3036885	20.670 ug/ml
13) T n-Docosane (C22)	12.956	2989380	20.471 ug/ml
14) T n-Tetracosane (C24)	14.055	2946201	20.229 ug/ml
15) T n-Hexacosane (C26)	15.072	2822500	20.124 ug/ml
16) T n-Octacosane (C28)	16.019	2749134	20.270 ug/ml
17) T n-Tricontane (C30)	16.903	2697491	20.643 ug/ml
18) T n-Dotriacontane (C32)	17.734	2620632	21.057 ug/ml
19) T n-Tetratriacontane (C34)	18.516	2535340	20.991 ug/mlm
20) T n-Hexatriacontane (C36)	19.254	2366168	20.575 ug/mlm
21) T n-Octatriacontane (C38)	19.968	2293068	20.543 ug/mlm
22) T n-Tetracontane (C40)	20.824	2336427	20.505 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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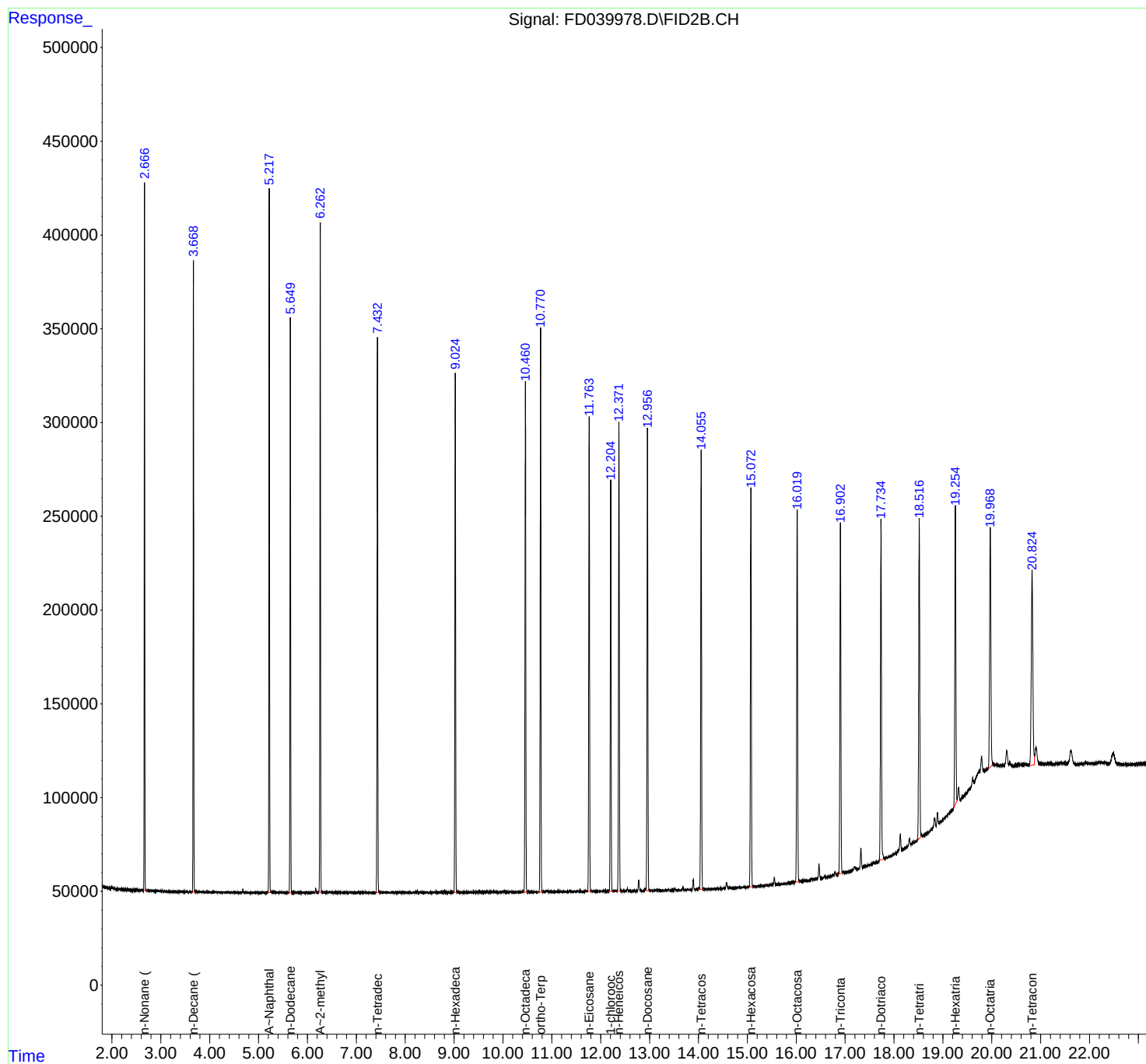
Instrument :
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20 PPM ALIPHATIC HC STD

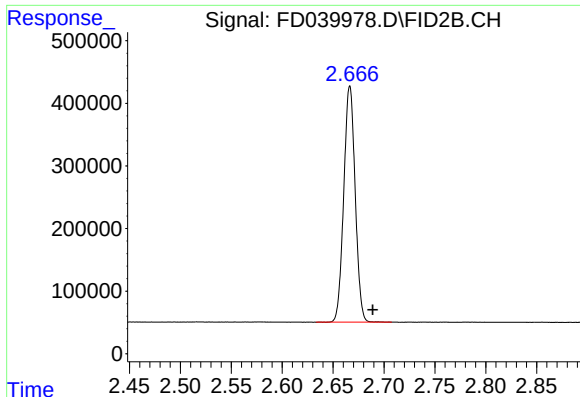
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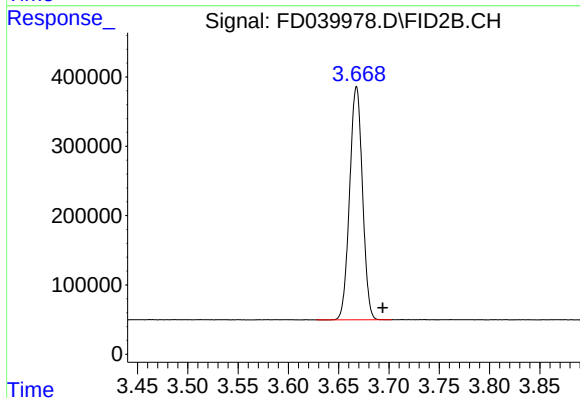
#1 n-Nonane (C9)

R.T.: 2.667 min
Delta R.T.: -0.022 min
Response: 2947078
Conc: 20.94 ug/ml

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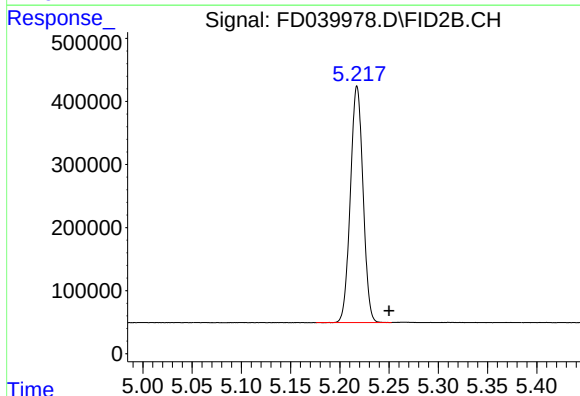
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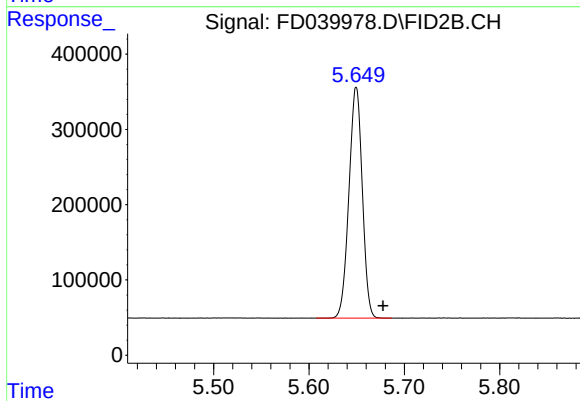
#2 n-Decane (C10)

R.T.: 3.668 min
Delta R.T.: -0.026 min
Response: 2989452
Conc: 20.96 ug/ml



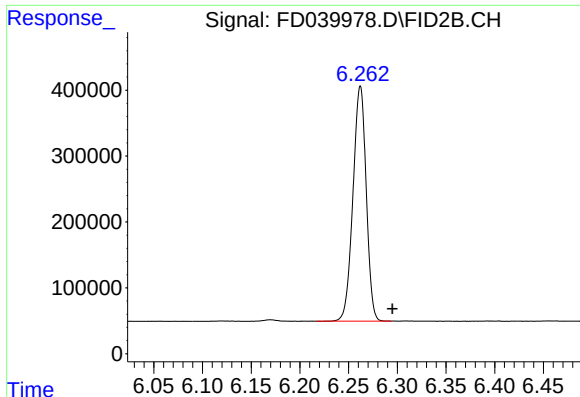
#3 A~Naphthalene (C11.7)

R.T.: 5.218 min
Delta R.T.: -0.033 min
Response: 3351239
Conc: 20.88 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.650 min
Delta R.T.: -0.028 min
Response: 2995477
Conc: 20.98 ug/ml



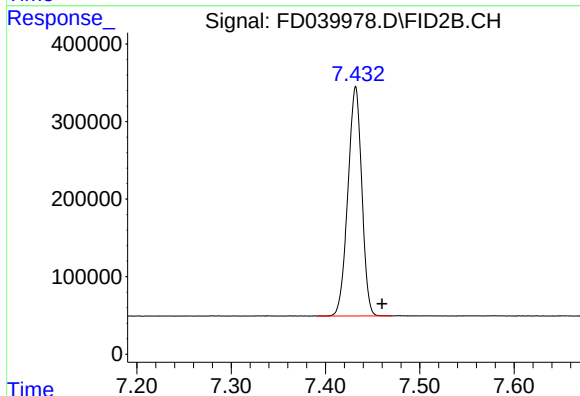
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.262 min
Delta R.T.: -0.033 min
Response: 3377250
Conc: 20.93 ug/ml

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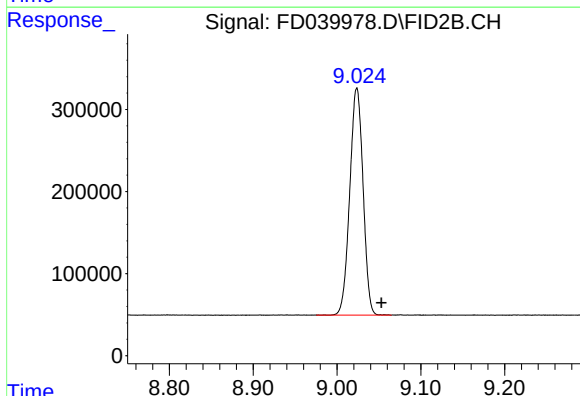
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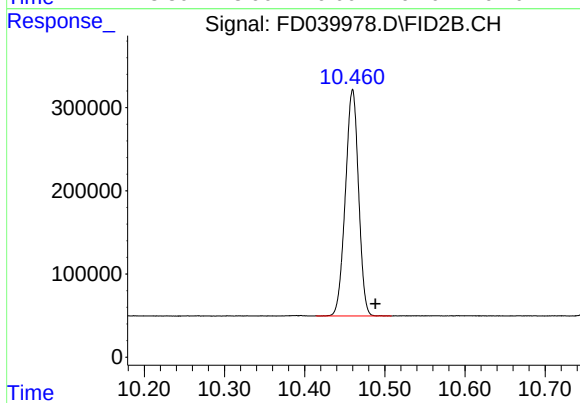
#6 n-Tetradecane (C14)

R.T.: 7.432 min
Delta R.T.: -0.028 min
Response: 3028502
Conc: 21.01 ug/ml



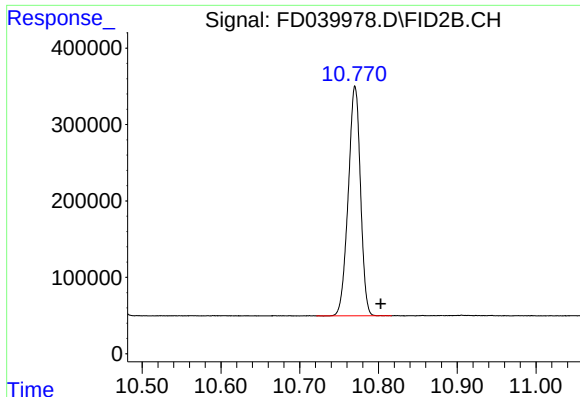
#7 n-Hexadecane (C16)

R.T.: 9.024 min
Delta R.T.: -0.029 min
Response: 3048196
Conc: 20.95 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.460 min
Delta R.T.: -0.029 min
Response: 3104409
Conc: 20.86 ug/ml



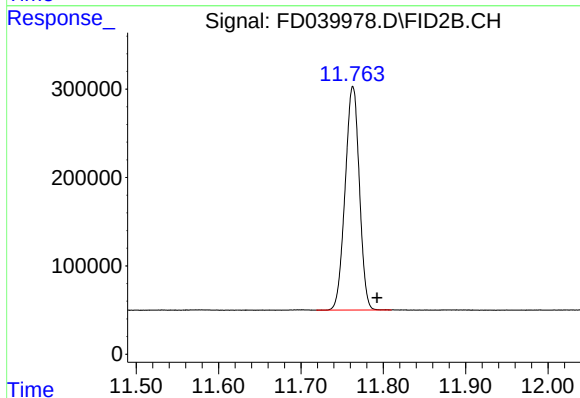
#9 ortho-Terphenyl (SURR)

R.T.: 10.770 min
Delta R.T.: -0.033 min
Response: 3243819
Conc: 20.66 ug/ml

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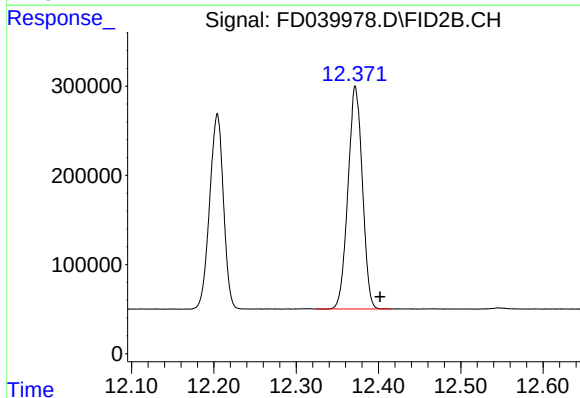
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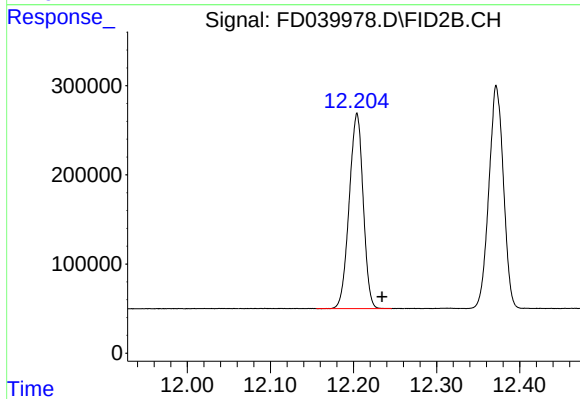
#10 n-Eicosane (C20)

R.T.: 11.763 min
Delta R.T.: -0.029 min
Response: 3037010
Conc: 20.77 ug/ml



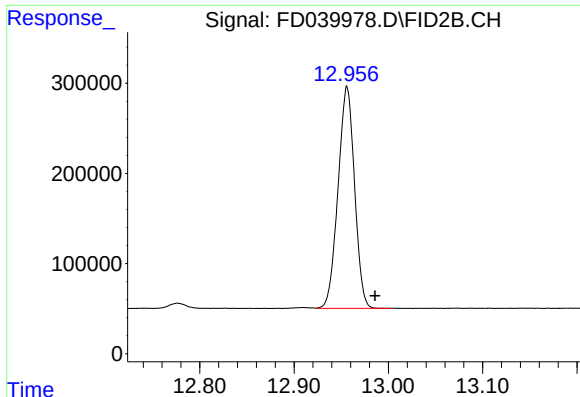
#11 n-Heneicosane (C21)

R.T.: 12.372 min
Delta R.T.: -0.030 min
Response: 3036885
Conc: 20.67 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.204 min
Delta R.T.: -0.030 min
Response: 2553814
Conc: 20.68 ug/ml



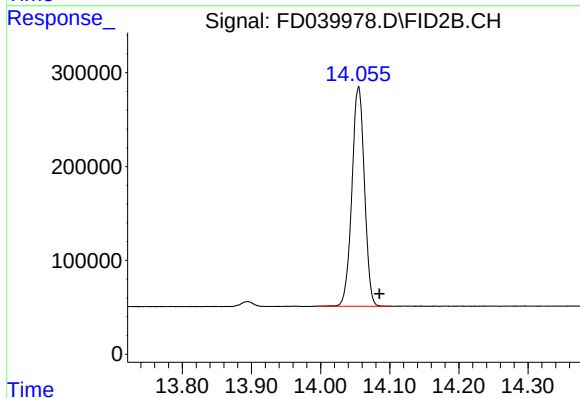
#13 n-Docosane (C22)

R.T.: 12.956 min
Delta R.T.: -0.030 min
Response: 2989380
Conc: 20.47 ug/ml

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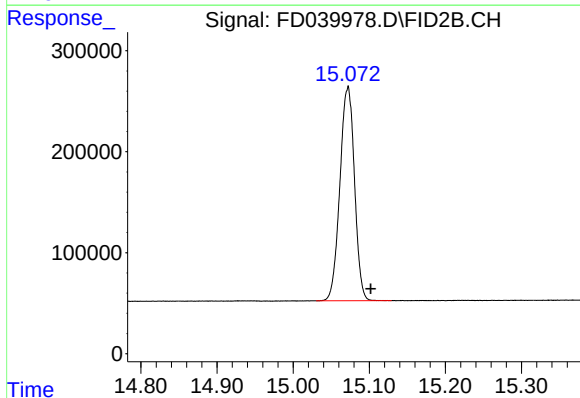
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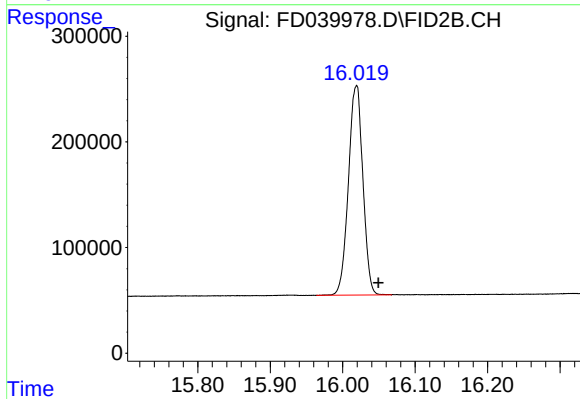
#14 n-Tetracosane (C24)

R.T.: 14.055 min
Delta R.T.: -0.030 min
Response: 2946201
Conc: 20.23 ug/ml



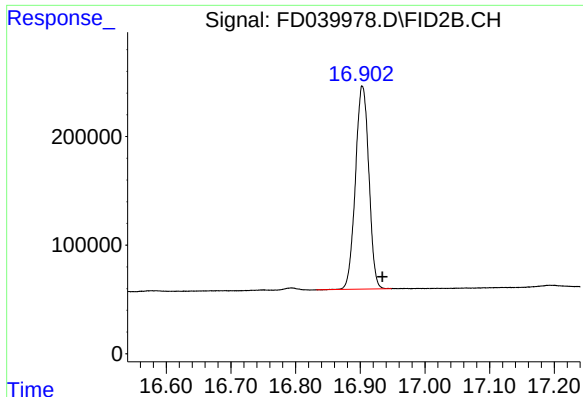
#15 n-Hexacosane (C26)

R.T.: 15.072 min
Delta R.T.: -0.030 min
Response: 2822500
Conc: 20.12 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.019 min
Delta R.T.: -0.030 min
Response: 2749134
Conc: 20.27 ug/ml



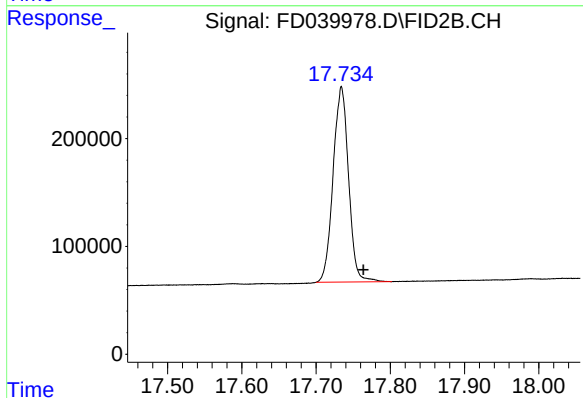
#17 n-Tricontane (C30)

R.T.: 16.903 min
Delta R.T.: -0.031 min
Response: 2697491
Conc: 20.64 ug/ml

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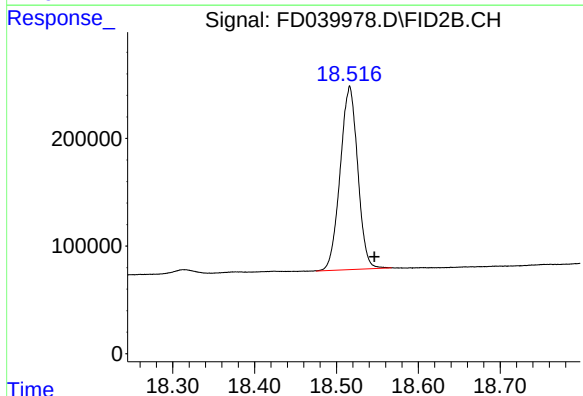
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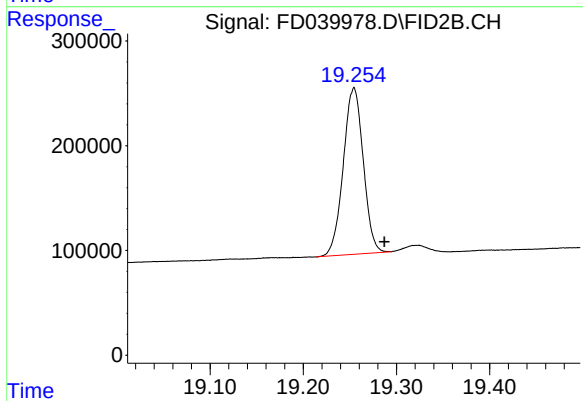
#18 n-Dotriacontane (C32)

R.T.: 17.734 min
Delta R.T.: -0.029 min
Response: 2620632
Conc: 21.06 ug/ml



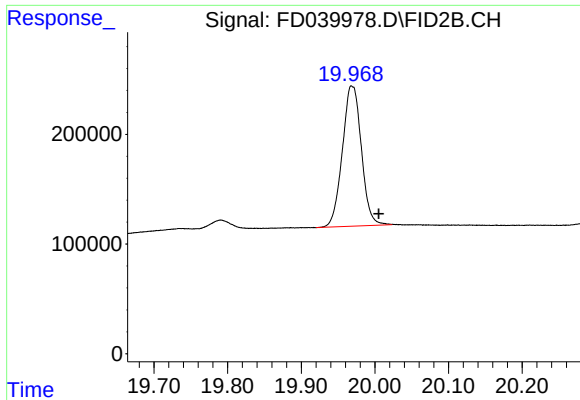
#19 n-Tetratriacontane (C34)

R.T.: 18.516 min
Delta R.T.: -0.031 min
Response: 2535340
Conc: 20.99 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.254 min
Delta R.T.: -0.033 min
Response: 2366168
Conc: 20.57 ug/ml m



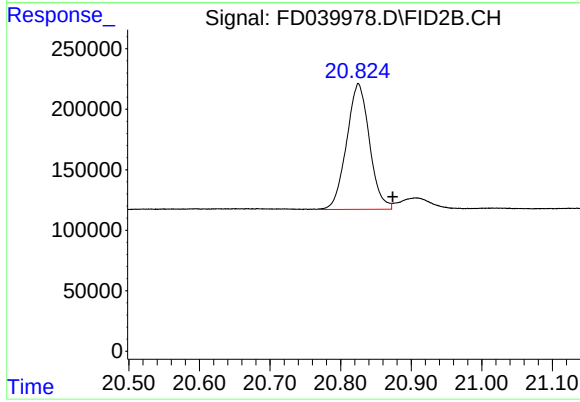
#21 n-Octatriacontane (C38)

R.T.: 19.968 min
Delta R.T.: -0.038 min
Response: 2293068
Conc: 20.54 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.824 min
Delta R.T.: -0.049 min
Response: 2336427
Conc: 20.50 ug/ml m