

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD121621AL\
 Data File : FD039959.D
 Signal(s) : FID2B.CH
 Acq On : 16 Dec 2021 16:45
 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 02:03:14 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)	10.775	2869555	18.279 ug/ml
Spiked Amount 50.000		Recovery =	36.56%
12) S 1-chlorooctadecane (S...	12.210	2251363	18.231 ug/ml
Spiked Amount 50.000		Recovery =	36.46%
Target Compounds			
1) T n-Nonane (C9)	2.671	2582192	18.349 ug/ml
2) T n-Decane (C10)	3.673	2617942	18.355 ug/ml
3) T A~Naphthalene (C11.7)	5.224	2940047	18.315 ug/ml
4) T n-Dodecane (C12)	5.655	2626564	18.395 ug/ml
5) T A~2-methylnaphthalene...	6.268	2966016	18.379 ug/ml
6) T n-Tetradecane (C14)	7.437	2648937	18.379 ug/ml
7) T n-Hexadecane (C16)	9.029	2667195	18.334 ug/ml
8) T n-Octadecane (C18)	10.465	2723410	18.302 ug/ml
10) T n-Eicosane (C20)	11.769	2674471	18.287 ug/ml
11) T n-Heneicosane (C21)	12.378	2679241	18.236 ug/ml
13) T n-Docosane (C22)	12.963	2644111	18.107 ug/ml
14) T n-Tetracosane (C24)	14.061	2612662	17.939 ug/ml
15) T n-Hexacosane (C26)	15.078	2515160	17.932 ug/ml
16) T n-Octacosane (C28)	16.024	2441118	17.999 ug/ml
17) T n-Tricontane (C30)	16.910	2390138	18.291 ug/ml
18) T n-Dotriacontane (C32)	17.740	2302835	18.503 ug/ml
19) T n-Tetratriacontane (C34)	18.522	2256865	18.685 ug/mlm
20) T n-Hexatriacontane (C36)	19.261	2123208	18.462 ug/mlm
21) T n-Octatriacontane (C38)	19.977	2004859	17.961 ug/ml
22) T n-Tetracontane (C40)	20.835	2105712	18.480 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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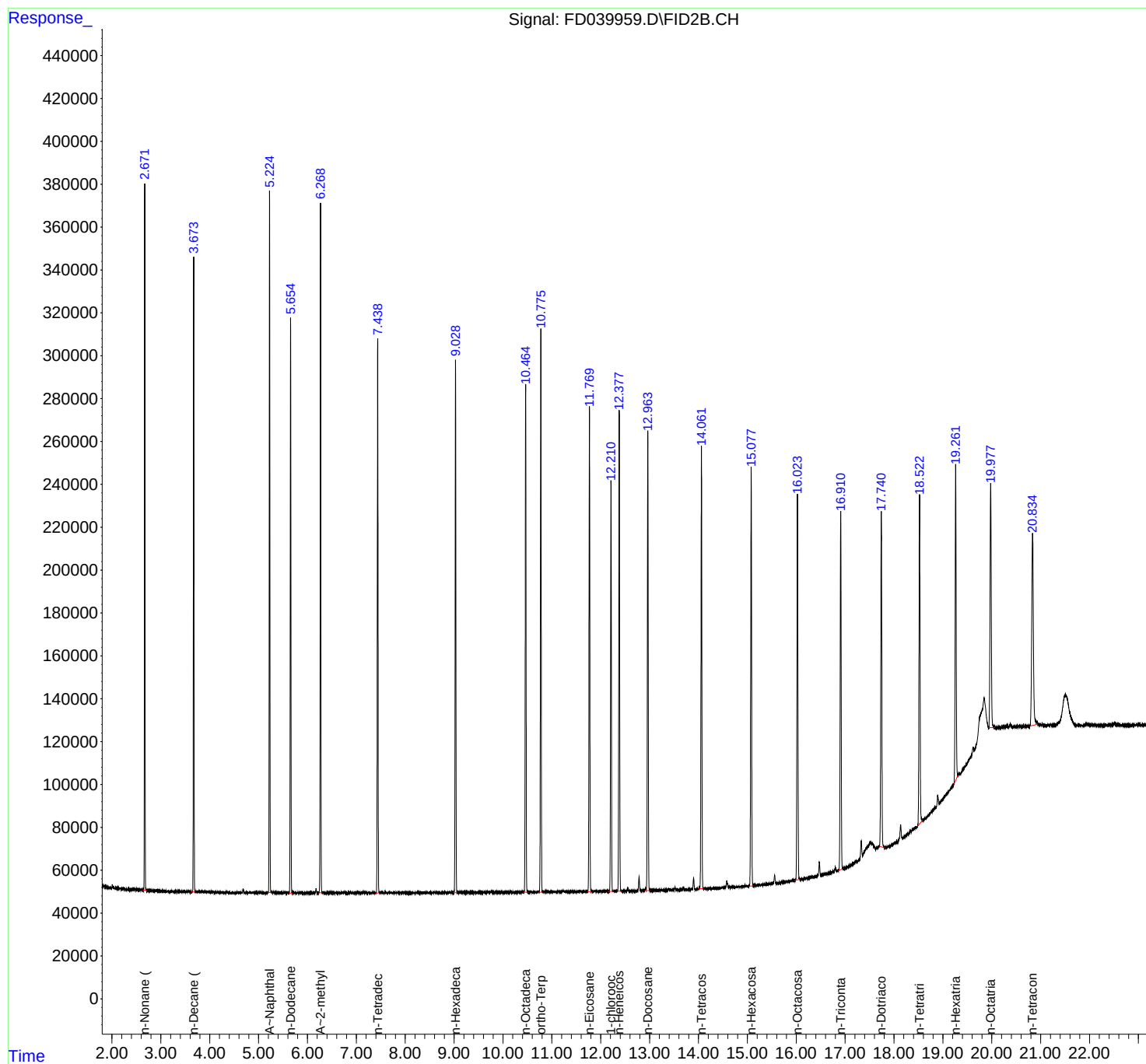
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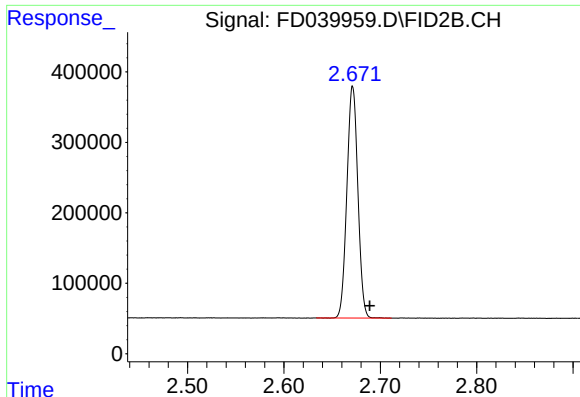
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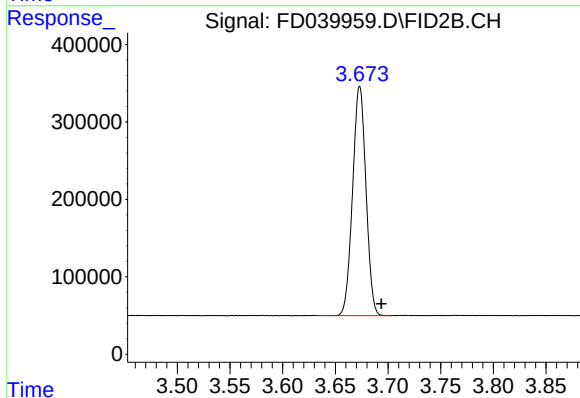
#1 n-Nonane (C9)

R.T.: 2.671 min
Delta R.T.: -0.018 min
Response: 2582192
Conc: 18.35 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

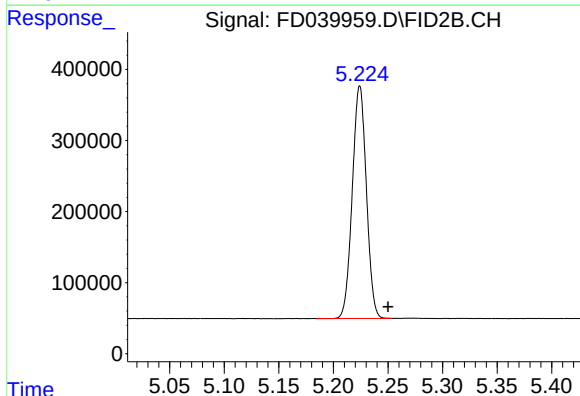
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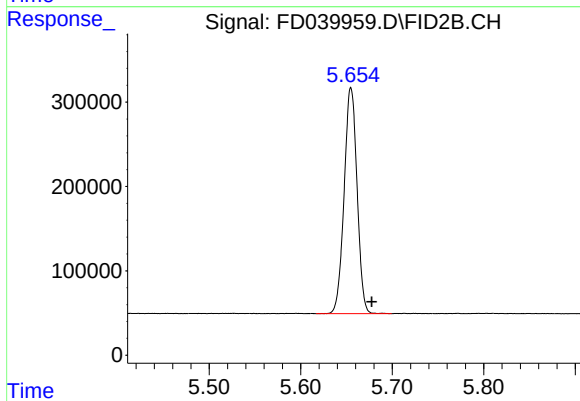
#2 n-Decane (C10)

R.T.: 3.673 min
Delta R.T.: -0.021 min
Response: 2617942
Conc: 18.35 ug/ml



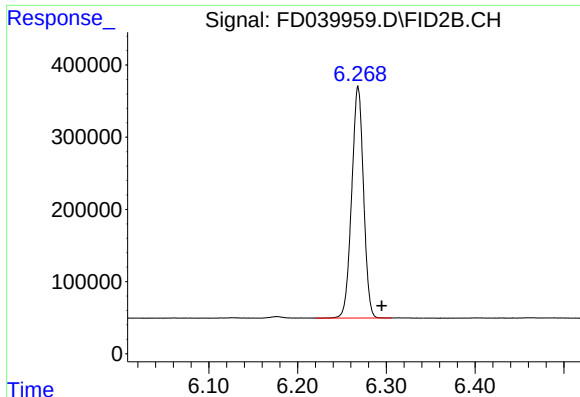
#3 A~Naphthalene (C11.7)

R.T.: 5.224 min
Delta R.T.: -0.026 min
Response: 2940047
Conc: 18.32 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.655 min
Delta R.T.: -0.023 min
Response: 2626564
Conc: 18.40 ug/ml



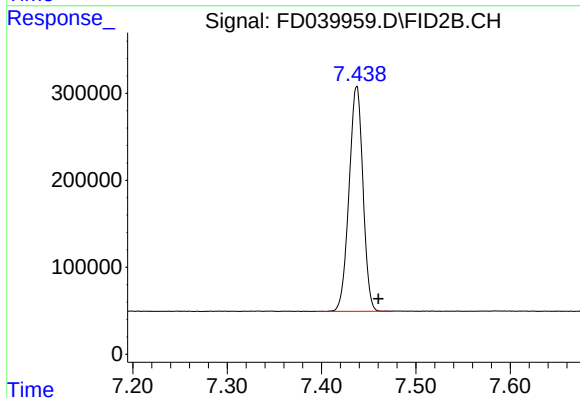
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.268 min
Delta R.T.: -0.027 min
Response: 2966016
Conc: 18.38 ug/ml

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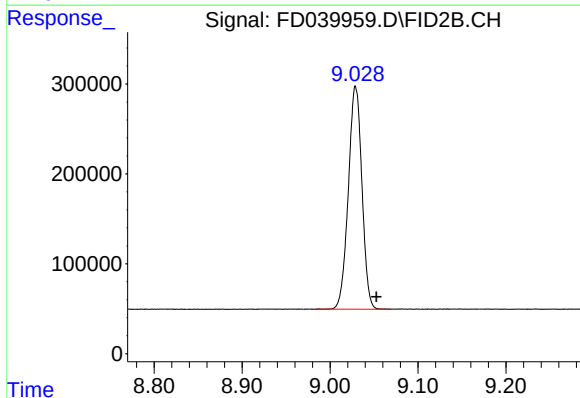
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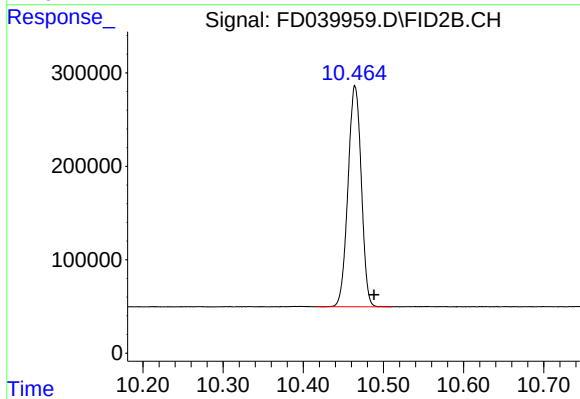
#6 n-Tetradecane (C14)

R.T.: 7.437 min
Delta R.T.: -0.023 min
Response: 2648937
Conc: 18.38 ug/ml



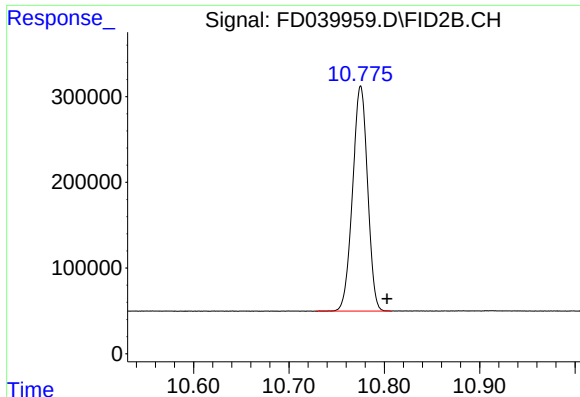
#7 n-Hexadecane (C16)

R.T.: 9.029 min
Delta R.T.: -0.024 min
Response: 2667195
Conc: 18.33 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.465 min
Delta R.T.: -0.024 min
Response: 2723410
Conc: 18.30 ug/ml



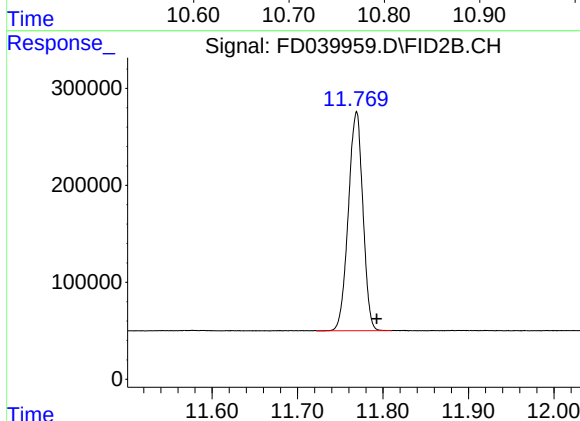
#9 ortho-Terphenyl (SURR)

R.T.: 10.775 min
Delta R.T.: -0.028 min
Response: 2869555
Conc: 18.28 ug/ml

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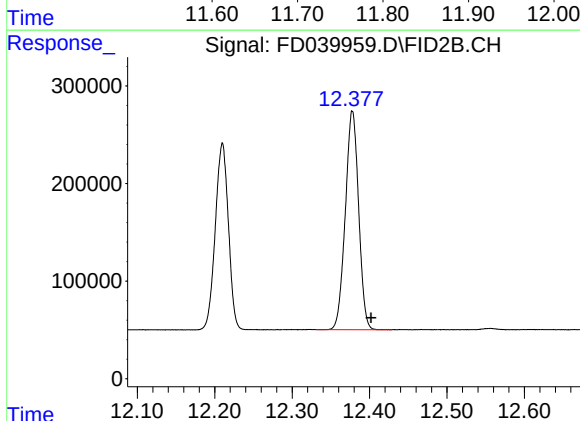
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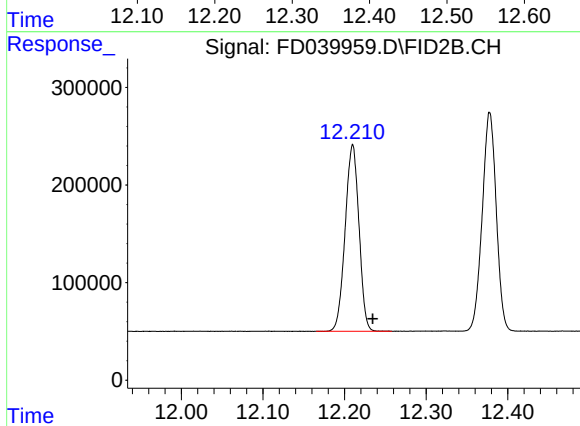
#10 n-Eicosane (C20)

R.T.: 11.769 min
Delta R.T.: -0.023 min
Response: 2674471
Conc: 18.29 ug/ml



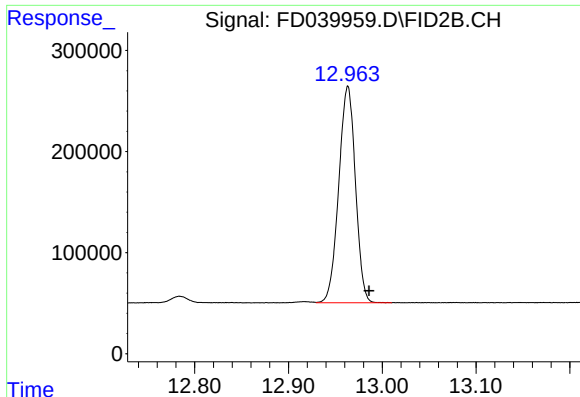
#11 n-Heneicosane (C21)

R.T.: 12.378 min
Delta R.T.: -0.024 min
Response: 2679241
Conc: 18.24 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.210 min
Delta R.T.: -0.024 min
Response: 2251363
Conc: 18.23 ug/ml



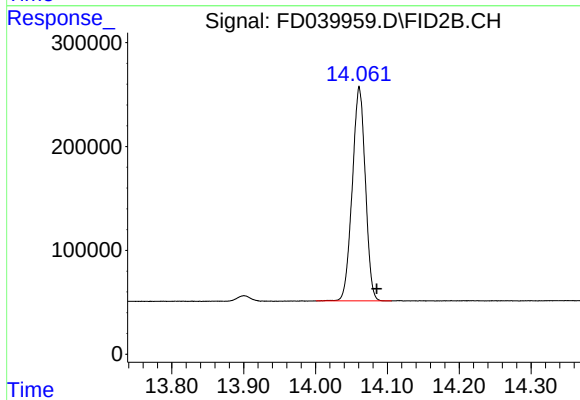
#13 n-Docosane (C22)

R.T.: 12.963 min
Delta R.T.: -0.023 min
Response: 2644111
Conc: 18.11 ug/ml

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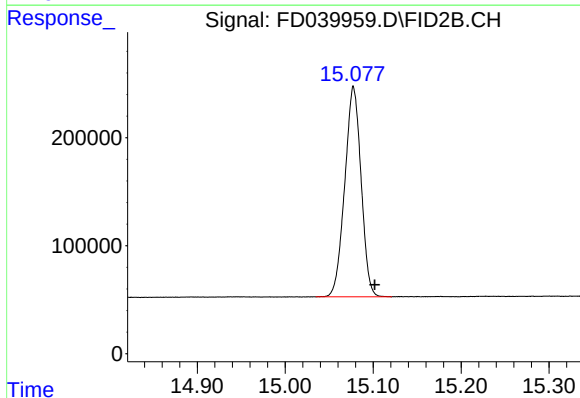
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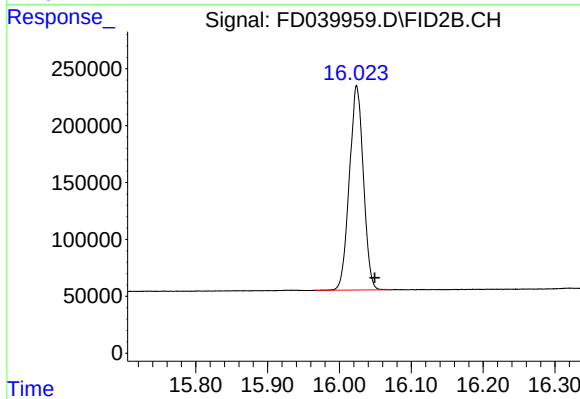
#14 n-Tetracosane (C24)

R.T.: 14.061 min
Delta R.T.: -0.024 min
Response: 2612662
Conc: 17.94 ug/ml



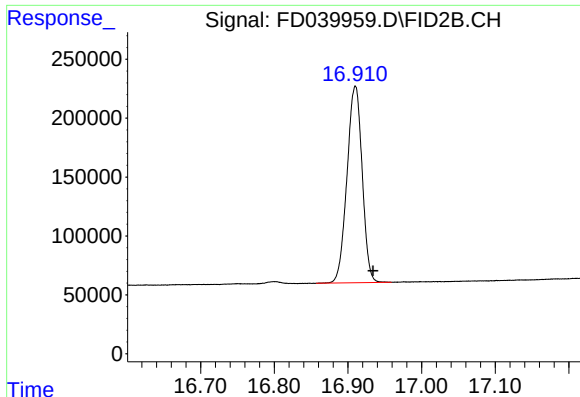
#15 n-Hexacosane (C26)

R.T.: 15.078 min
Delta R.T.: -0.024 min
Response: 2515160
Conc: 17.93 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.024 min
Delta R.T.: -0.025 min
Response: 2441118
Conc: 18.00 ug/ml



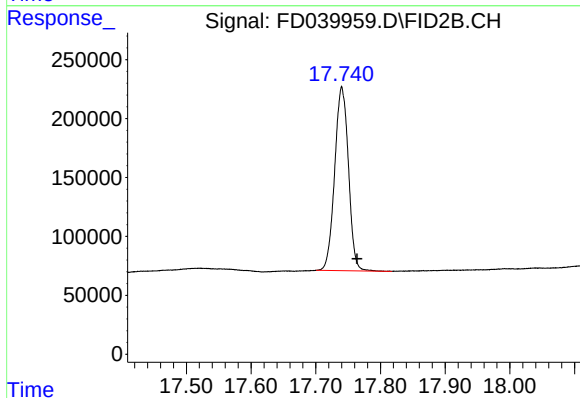
#17 n-Tricontane (C30)

R.T.: 16.910 min
Delta R.T.: -0.024 min
Response: 2390138
Conc: 18.29 ug/ml

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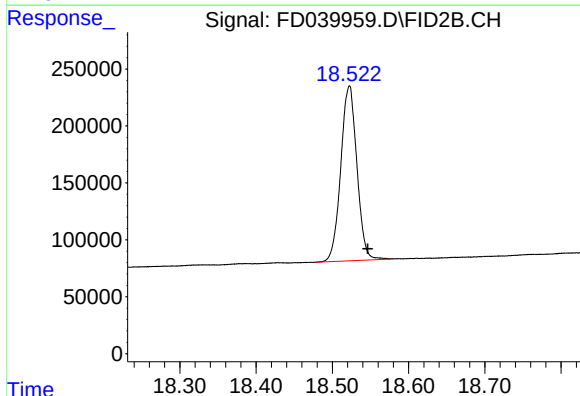
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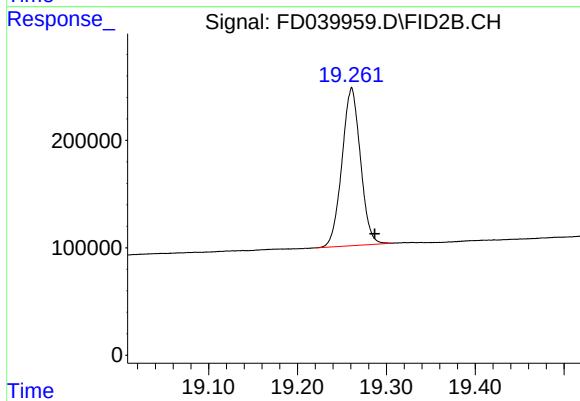
#18 n-Dotriacontane (C32)

R.T.: 17.740 min
Delta R.T.: -0.023 min
Response: 2302835
Conc: 18.50 ug/ml



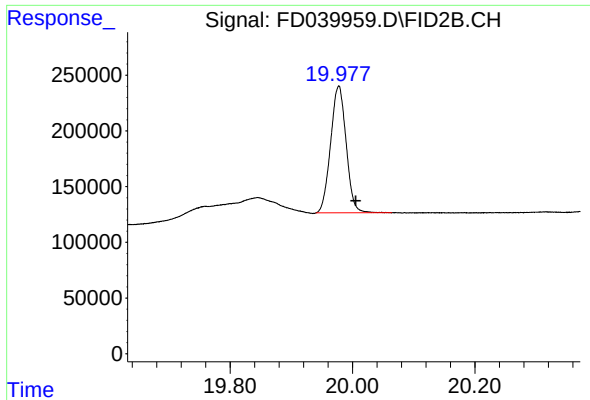
#19 n-Tetratriacontane (C34)

R.T.: 18.522 min
Delta R.T.: -0.024 min
Response: 2256865
Conc: 18.69 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.261 min
Delta R.T.: -0.026 min
Response: 2123208
Conc: 18.46 ug/ml m



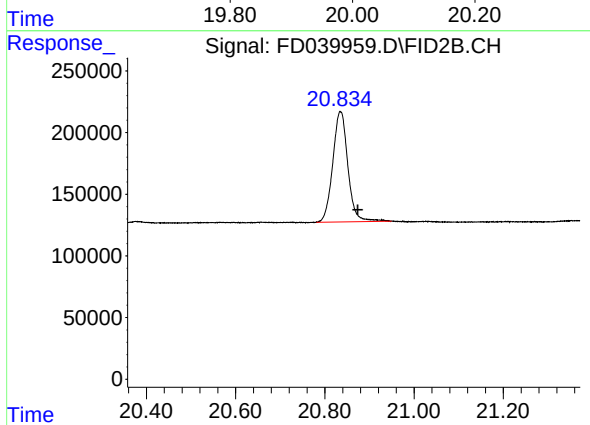
#21 n-Octatriacontane (C38)

R.T.: 19.977 min
Delta R.T.: -0.028 min
Response: 2004859
Conc: 17.96 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.835 min
Delta R.T.: -0.039 min
Response: 2105712
Conc: 18.48 ug/ml