

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD021122AL\
 Data File : FD040973.D
 Signal(s) : FID2B.CH
 Acq On : 11 Feb 2022 10:05
 Operator : YP\AJ
 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 02/14/2022
 Supervised By :Ankita Jodhani 02/14/2022

Integration File: autoint1.e
 Quant Time: Feb 11 21:57:19 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 020822.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 09 03:32:15 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)	11.234	543096	19.431 ug/ml
Spiked Amount 50.000		Recovery =	38.86%
12) S 1-chlorooctadecane (S...	12.675	407635	19.471 ug/ml
Spiked Amount 50.000		Recovery =	38.94%
Target Compounds			
1) T n-Nonane (C9)	3.080	455839	20.239 ug/ml
2) T n-Decane (C10)	4.138	460617	20.467 ug/ml
3) T A~Naphthalene (C11.7)	5.695	461108	20.751 ug/ml
4) T n-Dodecane (C12)	6.141	464068	20.211 ug/ml
5) T A~2-methylnaphthalene...	6.740	456271	21.241 ug/ml
6) T n-Tetradecane (C14)	7.917	466813	19.823 ug/ml
7) T n-Hexadecane (C16)	9.506	473130	19.679 ug/ml
8) T n-Octadecane (C18)	10.938	486107	19.371 ug/ml
10) T n-Eicosane (C20)	12.237	481543	19.227 ug/ml
11) T n-Heneicosane (C21)	12.845	488759	19.246 ug/ml
13) T n-Docosane (C22)	13.428	482727	19.286 ug/ml
14) T n-Tetracosane (C24)	14.525	493998	19.890 ug/ml
15) T n-Hexacosane (C26)	15.539	493530	20.358 ug/ml
16) T n-Octacosane (C28)	16.484	502500	20.869 ug/ml
17) T n-Tricontane (C30)	17.367	508223	21.329 ug/ml
18) T n-Dotriacontane (C32)	18.195	480173	21.409 ug/ml
19) T n-Tetratriacontane (C34)	18.975	439202	20.381 ug/ml
20) T n-Hexatriacontane (C36)	19.711	394118	19.822 ug/ml
21) T n-Octatriacontane (C38)	20.408	456161	24.077 ug/mlm
22) T n-Tetracontane (C40)	21.192	353526	18.264 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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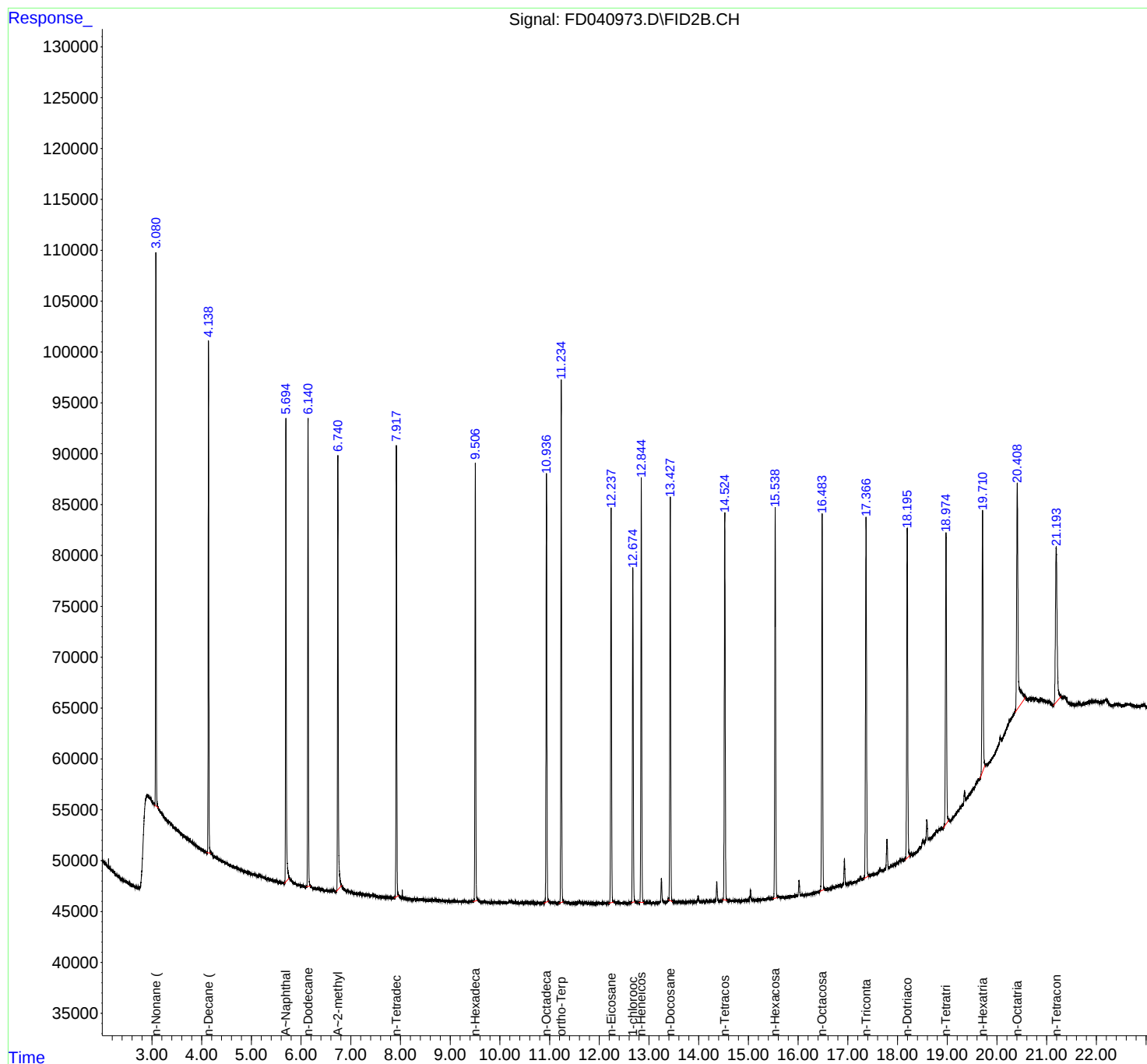
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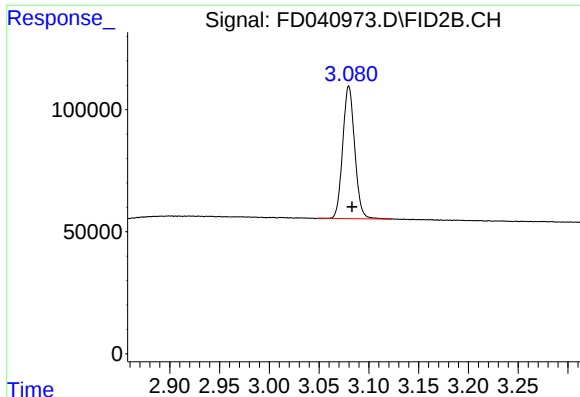
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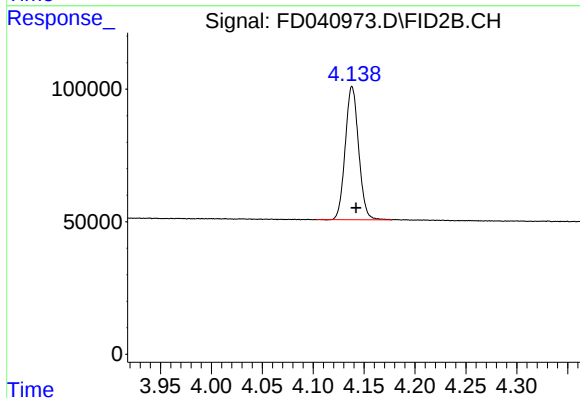
#1 n-Nonane (C9)

R.T.: 3.080 min
Delta R.T.: -0.003 min
Response: 455839
Conc: 20.24 ug/ml

Instrument :
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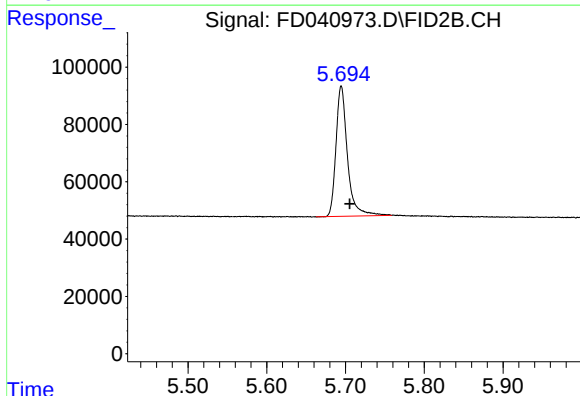
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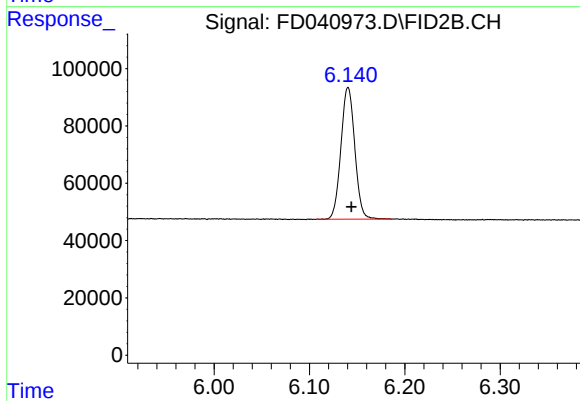
#2 n-Decane (C10)

R.T.: 4.138 min
Delta R.T.: -0.004 min
Response: 460617
Conc: 20.47 ug/ml



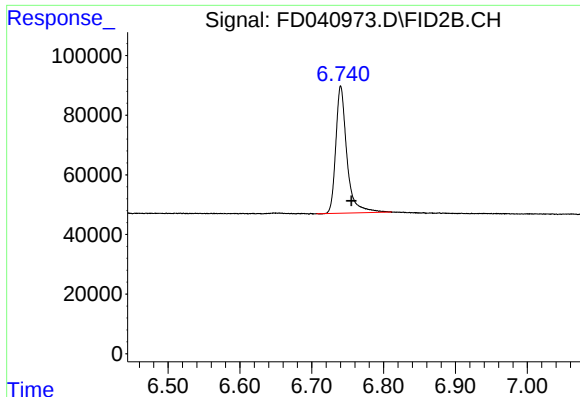
#3 A~Naphthalene (C11.7)

R.T.: 5.695 min
Delta R.T.: -0.011 min
Response: 461108
Conc: 20.75 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.141 min
Delta R.T.: -0.003 min
Response: 464068
Conc: 20.21 ug/ml



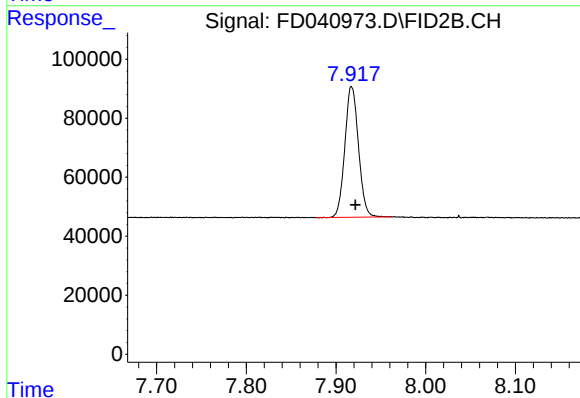
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.740 min
Delta R.T.: -0.015 min
Response: 456271
Conc: 21.24 ug/ml

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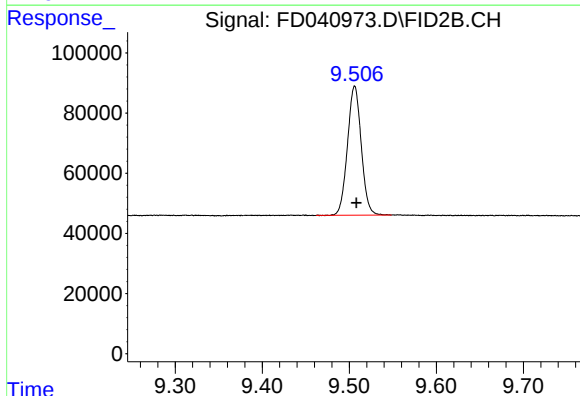
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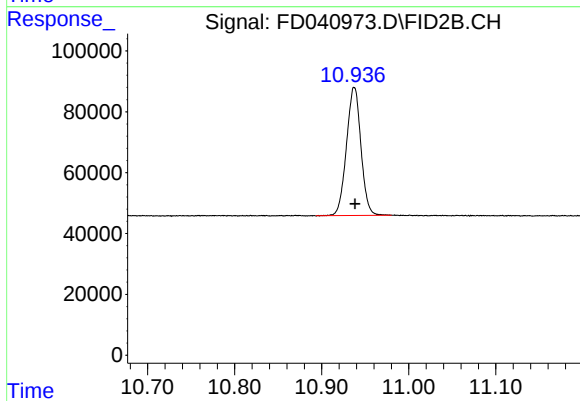
#6 n-Tetradecane (C14)

R.T.: 7.917 min
Delta R.T.: -0.004 min
Response: 466813
Conc: 19.82 ug/ml



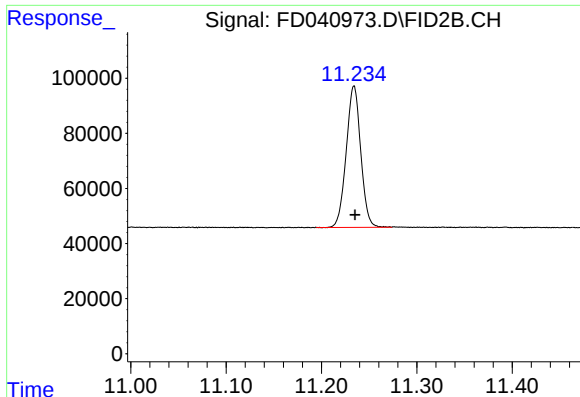
#7 n-Hexadecane (C16)

R.T.: 9.506 min
Delta R.T.: -0.002 min
Response: 473130
Conc: 19.68 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.938 min
Delta R.T.: 0.000 min
Response: 486107
Conc: 19.37 ug/ml



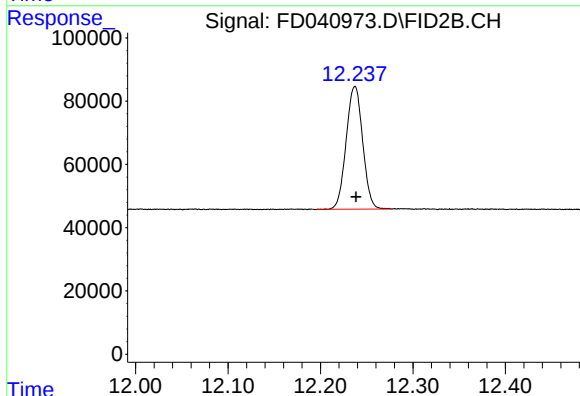
#9 ortho-Terphenyl (SURR)

R.T.: 11.234 min
Delta R.T.: -0.001 min
Response: 543096
Conc: 19.43 ug/ml

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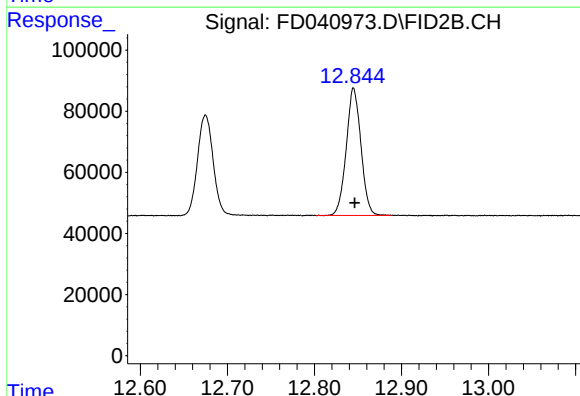
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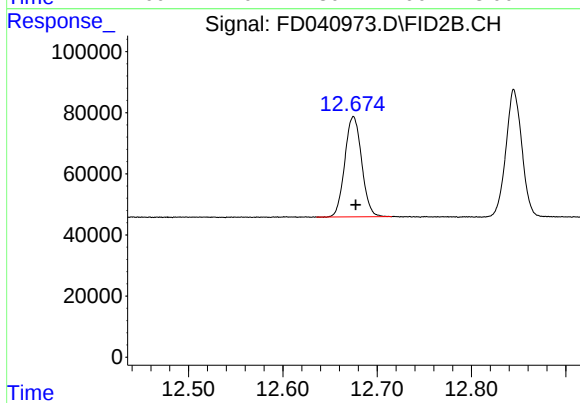
#10 n-Eicosane (C20)

R.T.: 12.237 min
Delta R.T.: -0.001 min
Response: 481543
Conc: 19.23 ug/ml



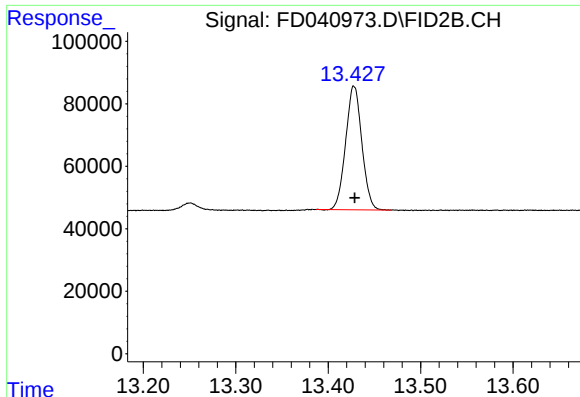
#11 n-Heneicosane (C21)

R.T.: 12.845 min
Delta R.T.: -0.002 min
Response: 488759
Conc: 19.25 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.675 min
Delta R.T.: -0.002 min
Response: 407635
Conc: 19.47 ug/ml



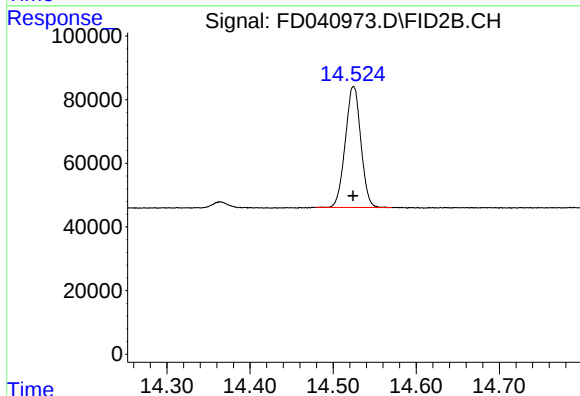
#13 n-Docosane (C22)

R.T.: 13.428 min
Delta R.T.: 0.000 min
Response: 482727
Conc: 19.29 ug/ml

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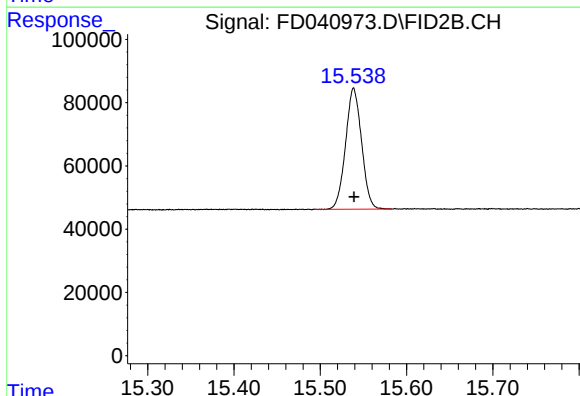
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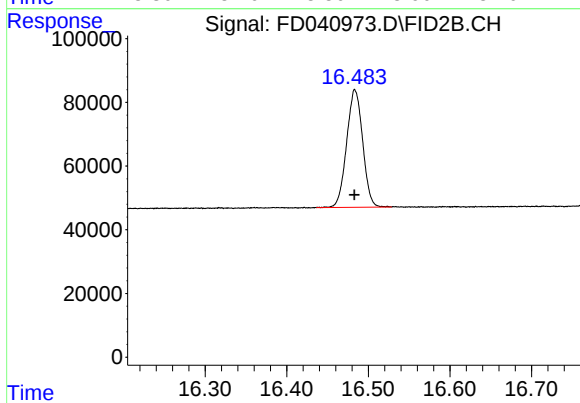
#14 n-Tetracosane (C24)

R.T.: 14.525 min
Delta R.T.: 0.000 min
Response: 493998
Conc: 19.89 ug/ml



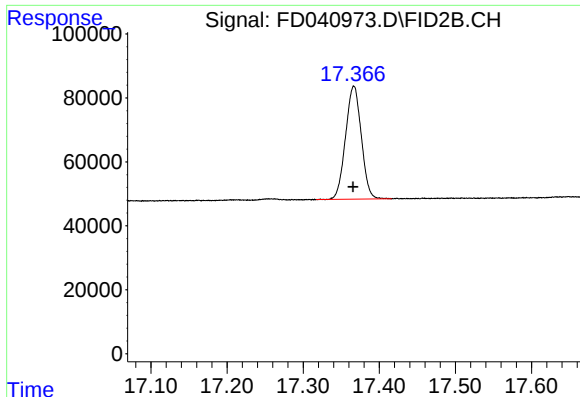
#15 n-Hexacosane (C26)

R.T.: 15.539 min
Delta R.T.: 0.000 min
Response: 493530
Conc: 20.36 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.484 min
Delta R.T.: 0.000 min
Response: 502500
Conc: 20.87 ug/ml



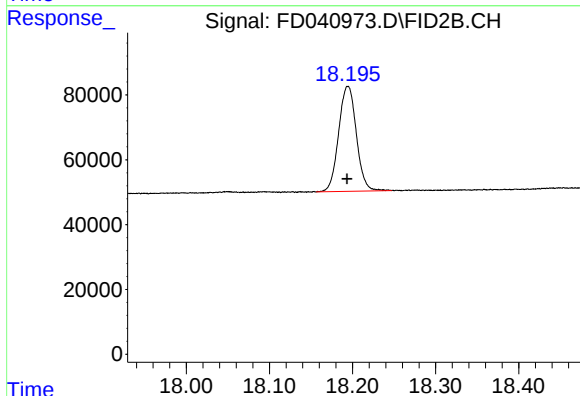
#17 n-Tricontane (C30)

R.T.: 17.367 min
Delta R.T.: 0.001 min
Response: 508223
Conc: 21.33 ug/ml

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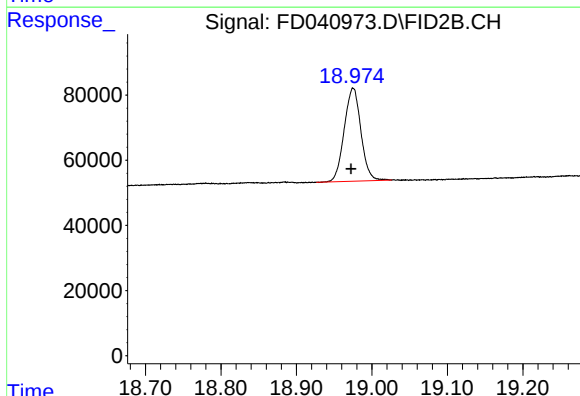
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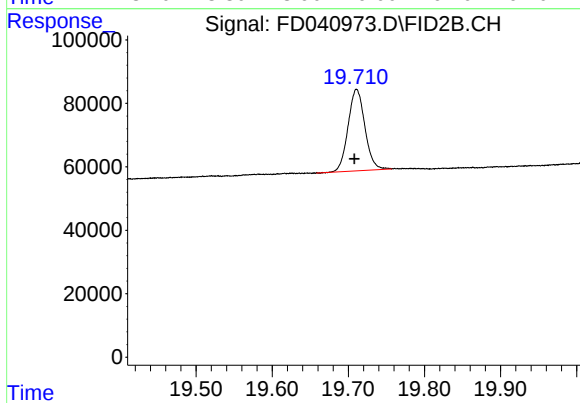
#18 n-Dotriacontane (C32)

R.T.: 18.195 min
Delta R.T.: 0.001 min
Response: 480173
Conc: 21.41 ug/ml



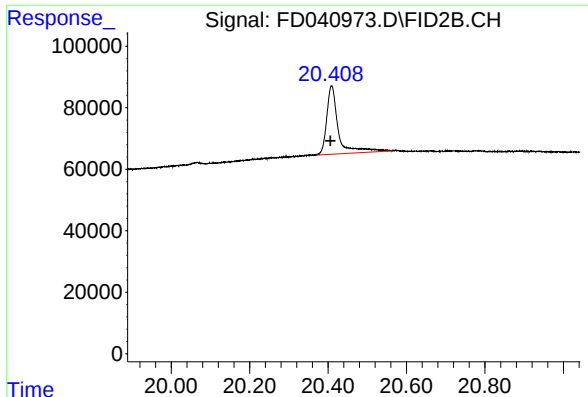
#19 n-Tetratriacontane (C34)

R.T.: 18.975 min
Delta R.T.: 0.003 min
Response: 439202
Conc: 20.38 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.711 min
Delta R.T.: 0.003 min
Response: 394118
Conc: 19.82 ug/ml



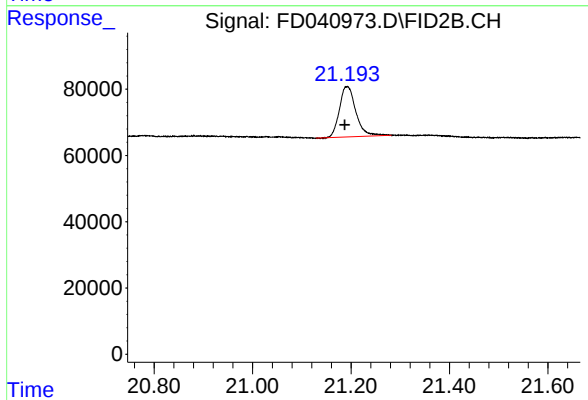
#21 n-Octatriacontane (C38)

R.T.: 20.408 min
Delta R.T.: 0.002 min
Response: 456161
Conc: 24.08 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.192 min
Delta R.T.: 0.005 min
Response: 353526
Conc: 18.26 ug/ml