

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD121721AL\
 Data File : FD040012.D
 Signal(s) : FID2B.CH
 Acq On : 17 Dec 2021 22:56
 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 12/20/2021
 Supervised By :Ankita Jodhani 12/23/2021

Integration File: autoint1.e
 Quant Time: Dec 17 23:47:07 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)	10.758	3213524	20.470 ug/ml
Spiked Amount 50.000		Recovery =	40.94%
12) S 1-chlorooctadecane (S...	12.194	2520935	20.414 ug/ml
Spiked Amount 50.000		Recovery =	40.83%
Target Compounds			
1) T n-Nonane (C9)	2.659	2962690	21.053 ug/ml
2) T n-Decane (C10)	3.660	3007557	21.086 ug/ml
3) T A~Naphthalene (C11.7)	5.208	3370951	21.000 ug/ml
4) T n-Dodecane (C12)	5.641	3022401	21.168 ug/ml
5) T A~2-methylnaphthalene...	6.252	3405513	21.103 ug/ml
6) T n-Tetradecane (C14)	7.422	3056085	21.204 ug/ml
7) T n-Hexadecane (C16)	9.014	3056839	21.012 ug/ml
8) T n-Octadecane (C18)	10.450	3099706	20.831 ug/ml
10) T n-Eicosane (C20)	11.753	3038701	20.777 ug/ml
11) T n-Heneicosane (C21)	12.362	3015087	20.522 ug/ml
13) T n-Docosane (C22)	12.946	2994128	20.504 ug/ml
14) T n-Tetracosane (C24)	14.045	3043038	20.894 ug/ml
15) T n-Hexacosane (C26)	15.062	2911109	20.755 ug/ml
16) T n-Octacosane (C28)	16.008	2810959	20.726 ug/mlm
17) T n-Tricontane (C30)	16.894	2799502	21.424 ug/mlm
18) T n-Dotriacontane (C32)	17.724	2694319	21.649 ug/mlm
19) T n-Tetratriacontane (C34)	18.505	2649460	21.936 ug/mlm
20) T n-Hexatriacontane (C36)	19.244	2547788	22.154 ug/mlm
21) T n-Octatriacontane (C38)	19.958	2381405	21.335 ug/mlm
22) T n-Tetracontane (C40)	20.808	2401701	21.078 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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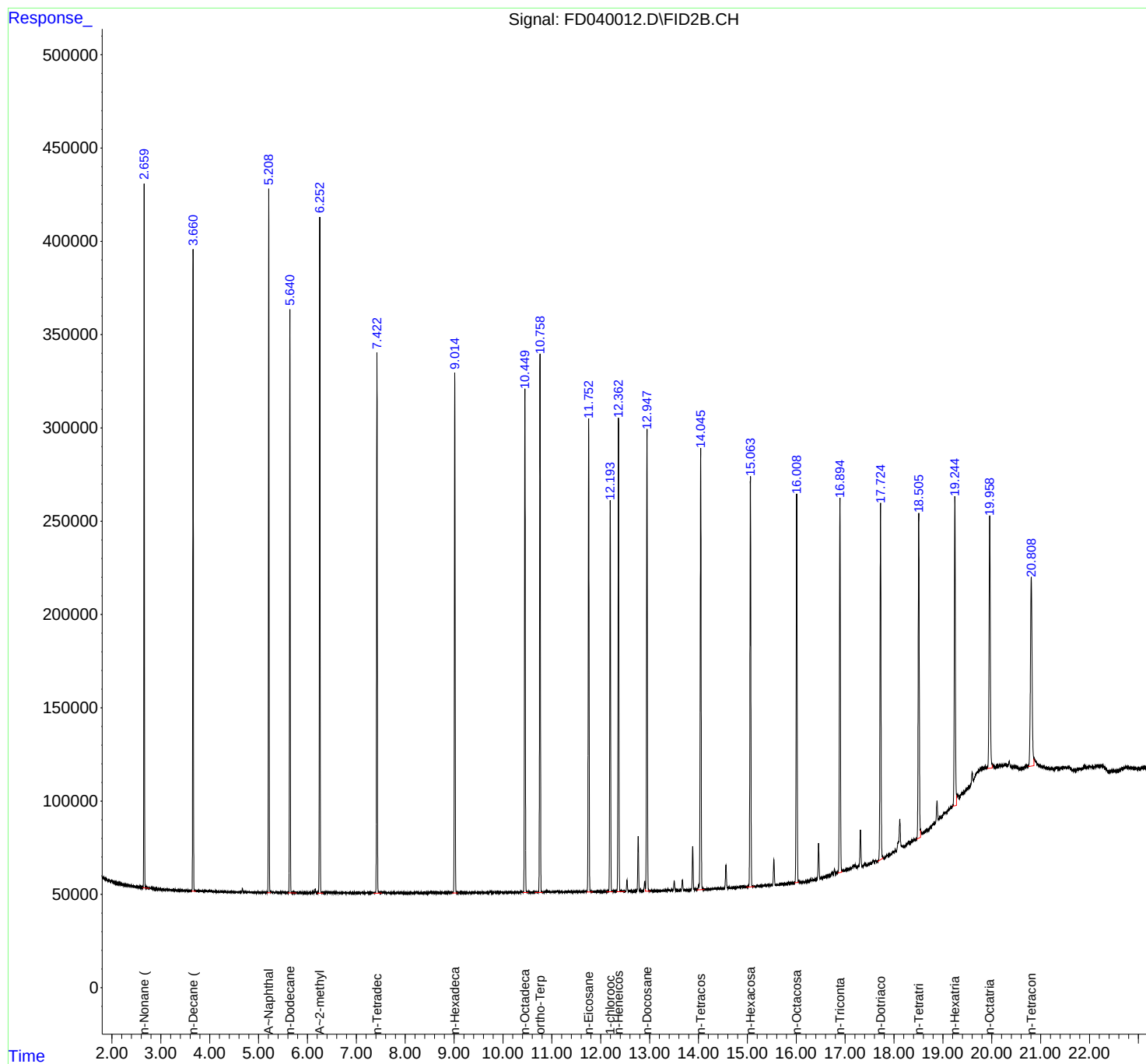
Instrument :
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20 PPM ALIPHATIC HC STD

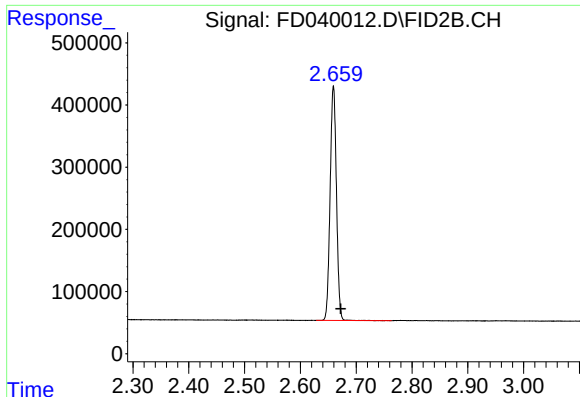
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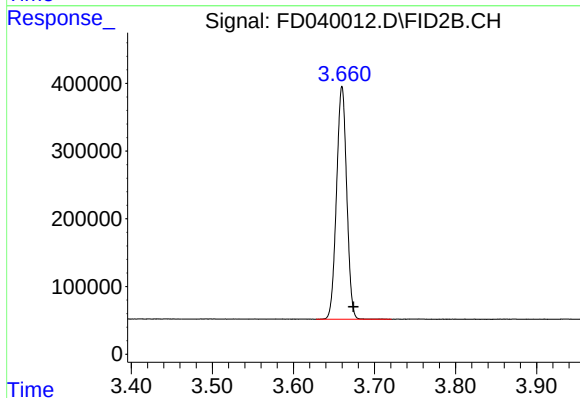
#1 n-Nonane (C9)

R.T.: 2.659 min
Delta R.T.: -0.013 min
Response: 2962690
Conc: 21.05 ug/ml

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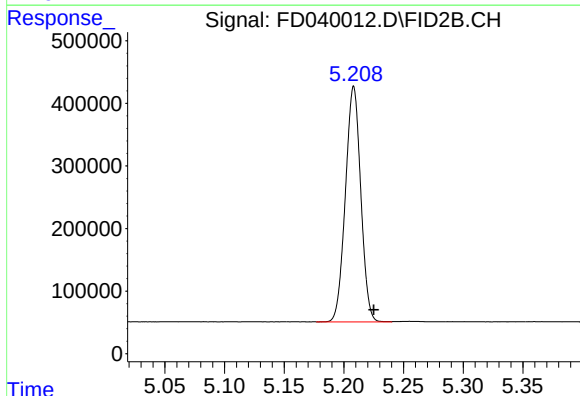
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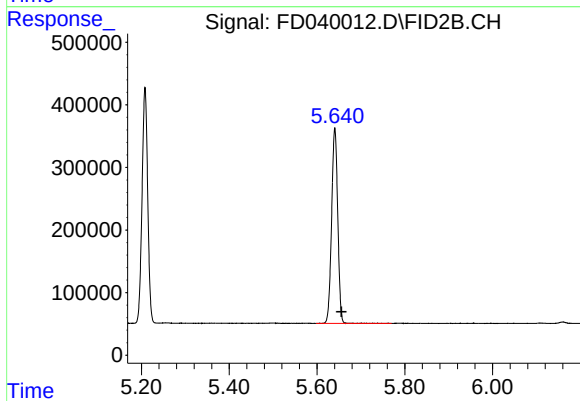
#2 n-Decane (C10)

R.T.: 3.660 min
Delta R.T.: -0.014 min
Response: 3007557
Conc: 21.09 ug/ml



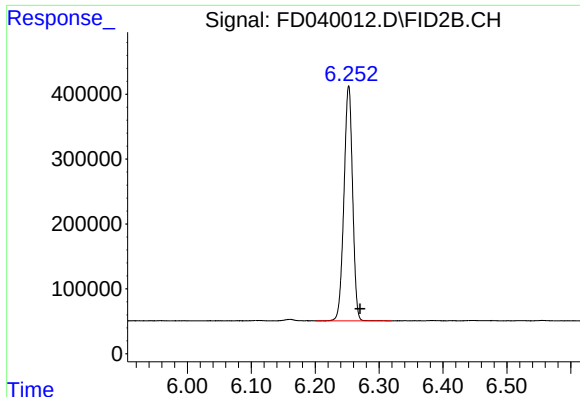
#3 A~Naphthalene (C11.7)

R.T.: 5.208 min
Delta R.T.: -0.017 min
Response: 3370951
Conc: 21.00 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.641 min
Delta R.T.: -0.015 min
Response: 3022401
Conc: 21.17 ug/ml



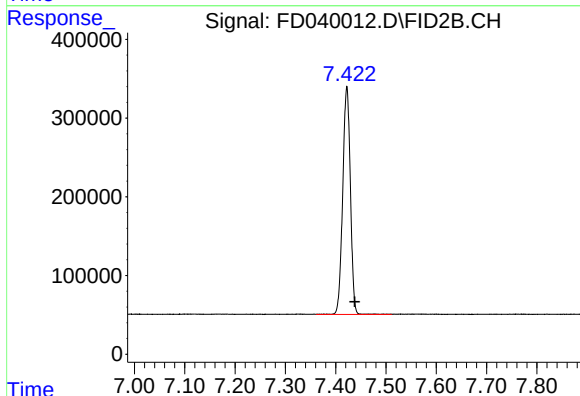
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.252 min
Delta R.T.: -0.018 min
Response: 3405513
Conc: 21.10 ug/ml

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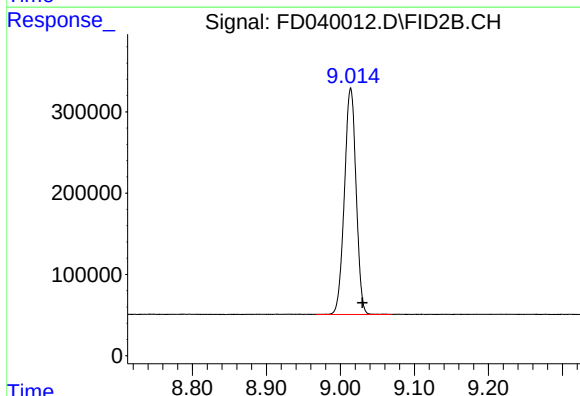
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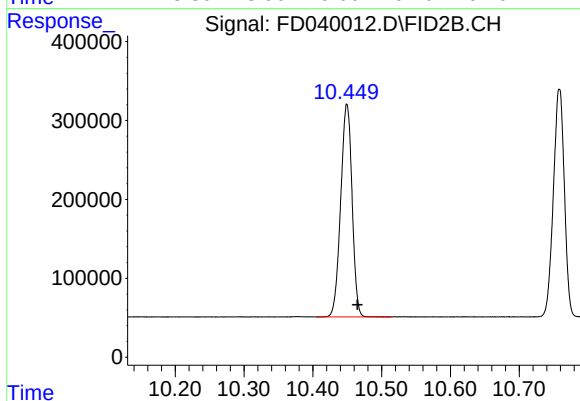
#6 n-Tetradecane (C14)

R.T.: 7.422 min
Delta R.T.: -0.016 min
Response: 3056085
Conc: 21.20 ug/ml



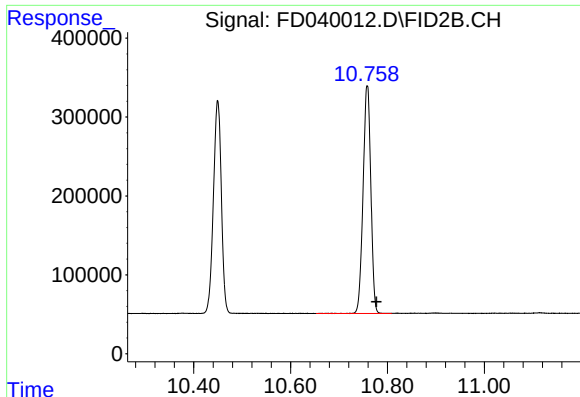
#7 n-Hexadecane (C16)

R.T.: 9.014 min
Delta R.T.: -0.016 min
Response: 3056839
Conc: 21.01 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.450 min
Delta R.T.: -0.015 min
Response: 3099706
Conc: 20.83 ug/ml



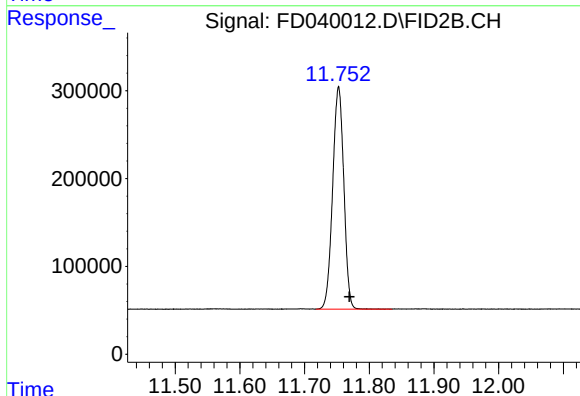
#9 ortho-Terphenyl (SURR)

R.T.: 10.758 min
Delta R.T.: -0.019 min
Response: 3213524
Conc: 20.47 ug/ml

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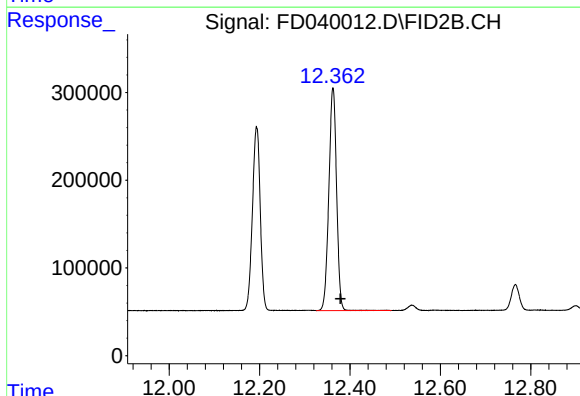
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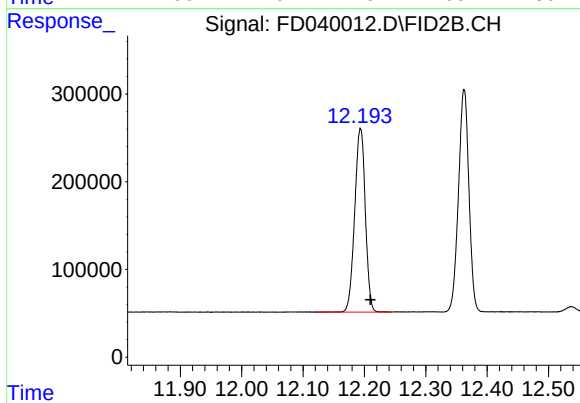
#10 n-Eicosane (C20)

R.T.: 11.753 min
Delta R.T.: -0.016 min
Response: 3038701
Conc: 20.78 ug/ml



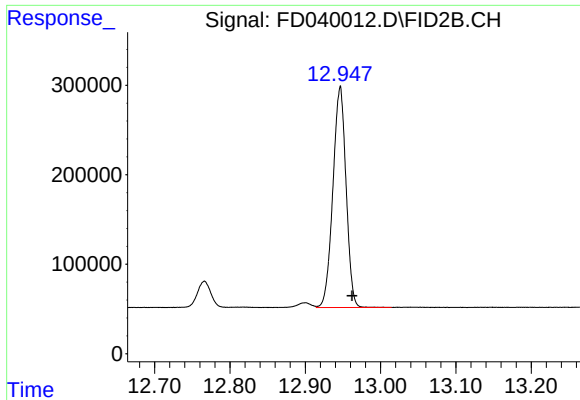
#11 n-Heneicosane (C21)

R.T.: 12.362 min
Delta R.T.: -0.017 min
Response: 3015087
Conc: 20.52 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.194 min
Delta R.T.: -0.016 min
Response: 2520935
Conc: 20.41 ug/ml



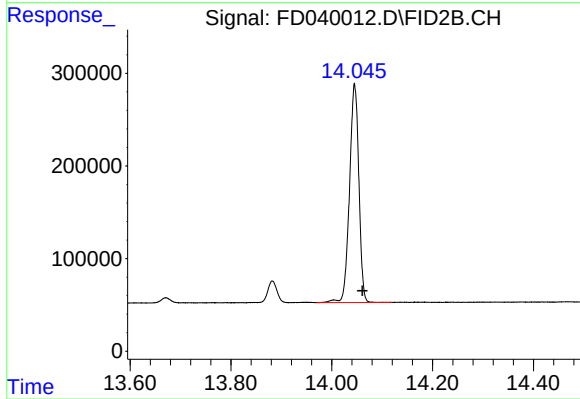
#13 n-Docosane (C22)

R.T.: 12.946 min
Delta R.T.: -0.016 min
Response: 2994128
Conc: 20.50 ug/ml

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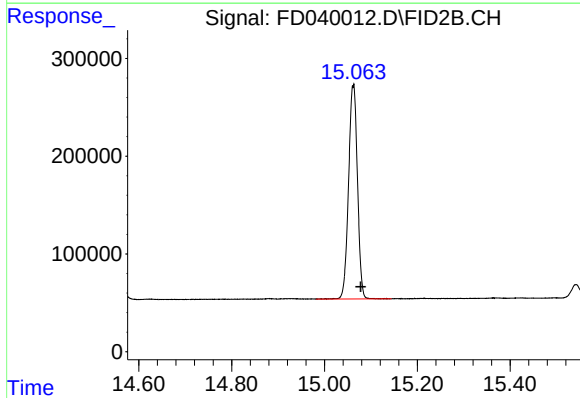
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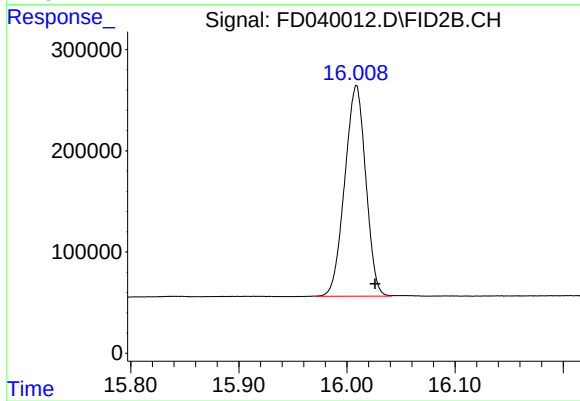
#14 n-Tetracosane (C24)

R.T.: 14.045 min
Delta R.T.: -0.016 min
Response: 3043038
Conc: 20.89 ug/ml



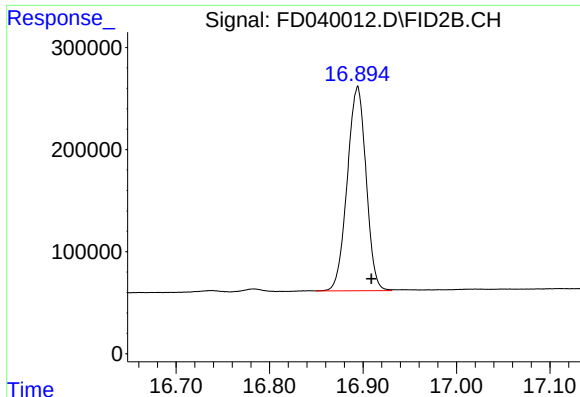
#15 n-Hexacosane (C26)

R.T.: 15.062 min
Delta R.T.: -0.016 min
Response: 2911109
Conc: 20.76 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.008 min
Delta R.T.: -0.018 min
Response: 2810959
Conc: 20.73 ug/ml m



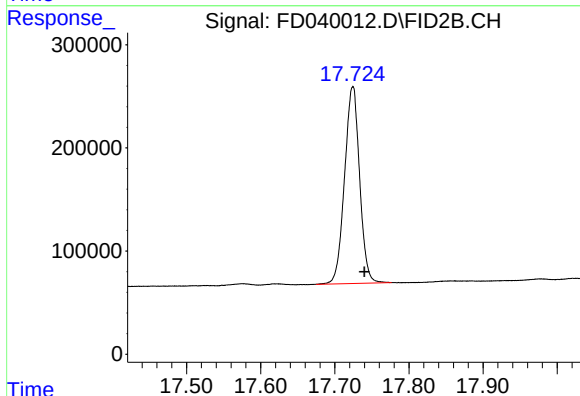
#17 n-Tricontane (C30)

R.T.: 16.894 min
Delta R.T.: -0.015 min
Response: 2799502
Conc: 21.42 ug/ml

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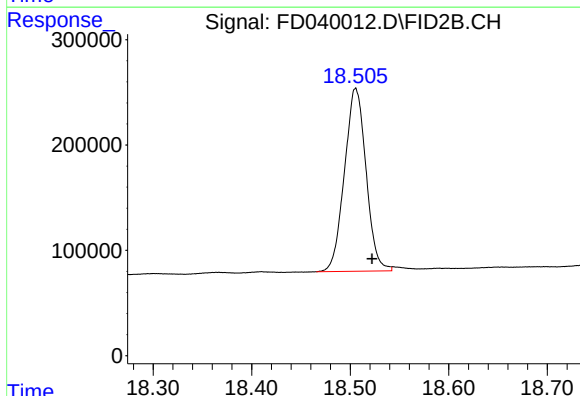
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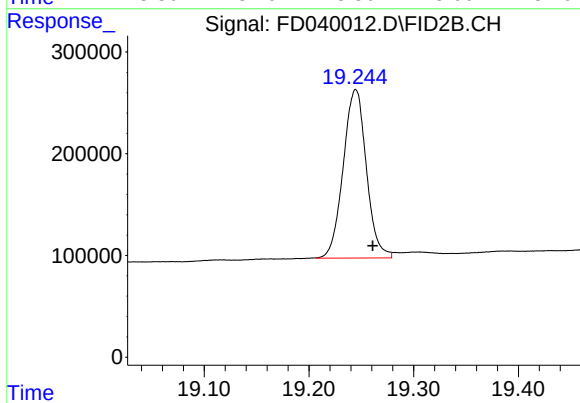
#18 n-Dotriacontane (C32)

R.T.: 17.724 min
Delta R.T.: -0.016 min
Response: 2694319
Conc: 21.65 ug/ml m



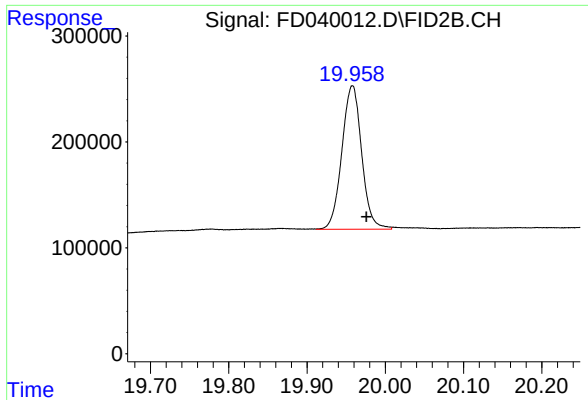
#19 n-Tetratriacontane (C34)

R.T.: 18.505 min
Delta R.T.: -0.017 min
Response: 2649460
Conc: 21.94 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.244 min
Delta R.T.: -0.017 min
Response: 2547788
Conc: 22.15 ug/ml m



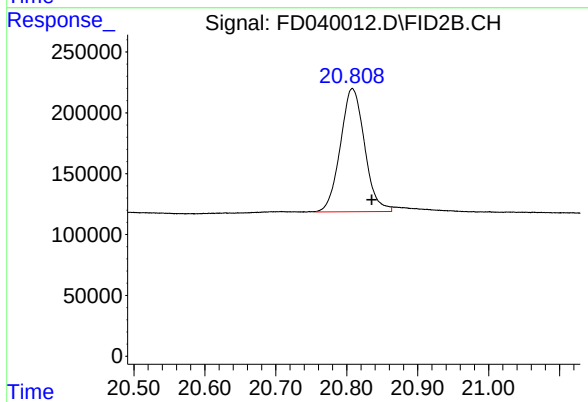
#21 n-Octatriacontane (C38)

R.T.: 19.958 min
Delta R.T.: -0.018 min
Response: 2381405
Conc: 21.33 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.808 min
Delta R.T.: -0.027 min
Response: 2401701
Conc: 21.08 ug/ml m