

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032923AL\
 Data File : FE041062.D
 Signal(s) : FID1B.ch
 Acq On : 29 Mar 2023 08:51
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/30/2023
 Supervised By :Ankita Jodhani 03/30/2023

Integration File: autoint1.e
 Quant Time: Mar 30 01:43:11 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032523.M
 Quant Title : GC Extractables
 QLast Update : Sat Mar 25 06:32:15 2023
 Response via : Initial Calibration
 Integrator: ChemStation

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)	11.854	3450648	18.360 ug/ml
Spiked Amount 50.000		Recovery =	36.72%
12) S 1-chlorooctadecane (S...	13.293	2624231	18.239 ug/ml
Spiked Amount 50.000		Recovery =	36.48%
Target Compounds			
1) T n-Nonane (C9)	3.252	2947566	16.988 ug/ml
2) T n-Decane (C10)	4.499	3058541	17.968 ug/ml
3) T A~Naphthalene (C11.7)	6.202	3390106	18.534 ug/ml
4) T n-Dodecane (C12)	6.664	3126950	18.027 ug/ml
5) T A~2-methylnaphthalene...	7.297	3206497	19.361 ug/ml
6) T n-Tetradecane (C14)	8.490	3167392	18.165 ug/ml
7) T n-Hexadecane (C16)	10.097	3248935	18.268 ug/ml
8) T n-Octadecane (C18)	11.539	3269387	18.311 ug/ml
10) T n-Eicosane (C20)	12.848	3118714	18.284 ug/ml
11) T n-Heneicosane (C21)	13.461	3087266	18.248 ug/ml
13) T n-Docosane (C22)	14.047	3041974	18.382 ug/ml
14) T n-Tetracosane (C24)	15.151	2989602	18.479 ug/ml
15) T n-Hexacosane (C26)	16.173	2907438	18.756 ug/ml
16) T n-Octacosane (C28)	17.123	3017495	19.699 ug/ml
17) T n-Tricontane (C30)	18.013	3331816	21.797 ug/ml
18) T n-Dotriacontane (C32)	18.847	3713706	23.786 ug/ml
19) T n-Tetratriacontane (C34)	19.632	3338899	21.546 ug/ml
20) T n-Hexatriacontane (C36)	20.372	3145661	20.709 ug/ml
21) T n-Octatriacontane (C38)	21.098	2996526	19.182 ug/mlm
22) T n-Tetracontane (C40)	21.983	3459074	21.673 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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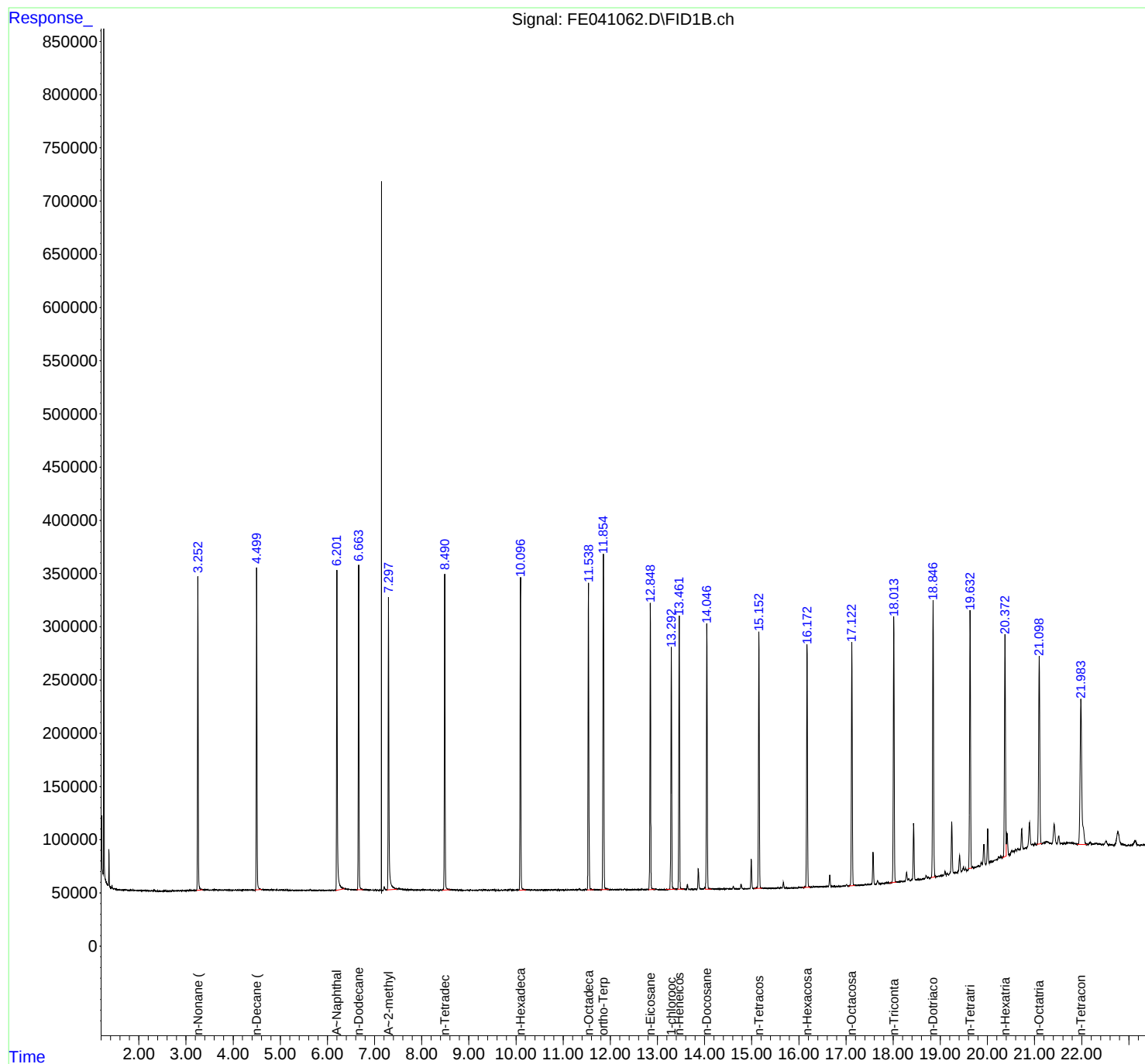
Instrument :
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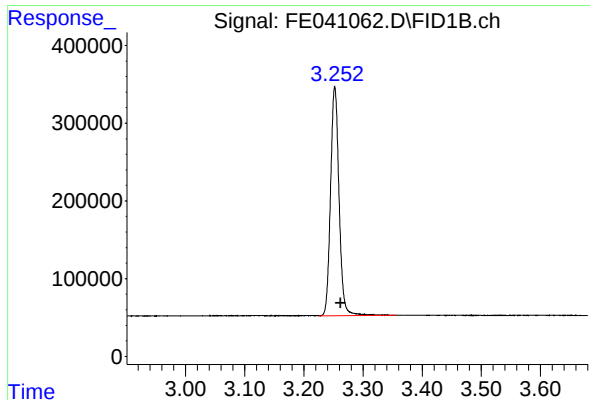
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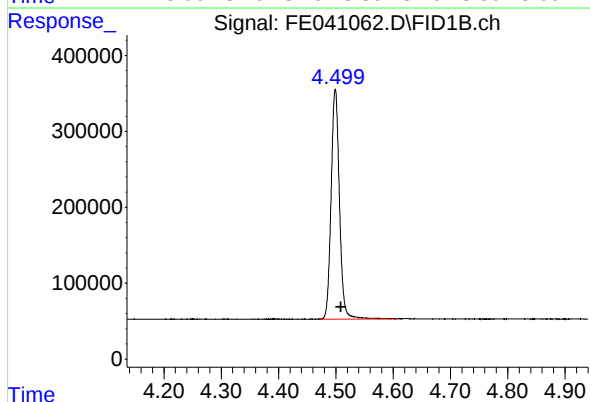
#1 n-Nonane (C9)

R.T.: 3.252 min
Delta R.T.: -0.010 min
Response: 2947566
Conc: 16.99 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

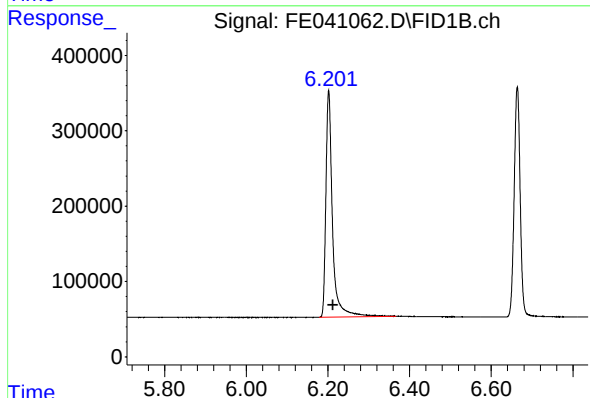
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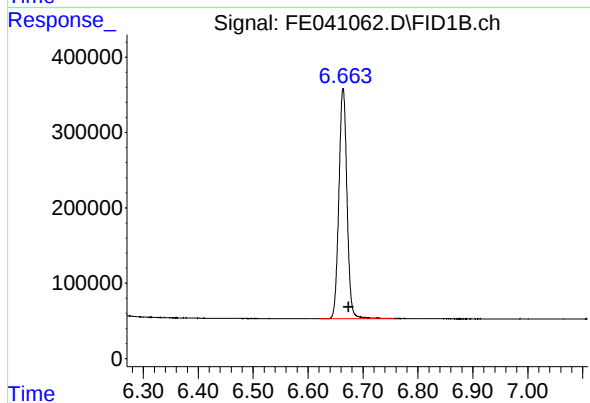
#2 n-Decane (C10)

R.T.: 4.499 min
Delta R.T.: -0.010 min
Response: 3058541
Conc: 17.97 ug/ml



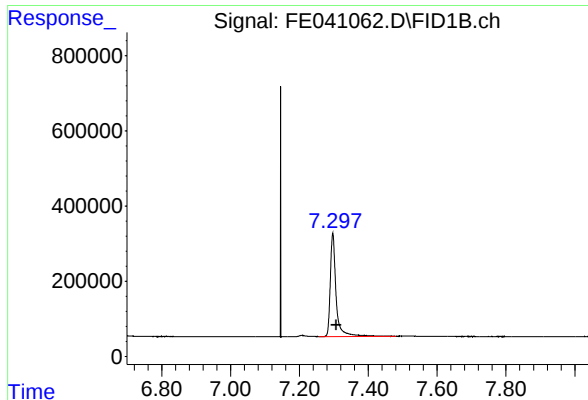
#3 A~Naphthalene (C11.7)

R.T.: 6.202 min
Delta R.T.: -0.010 min
Response: 3390106
Conc: 18.53 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.664 min
Delta R.T.: -0.010 min
Response: 3126950
Conc: 18.03 ug/ml



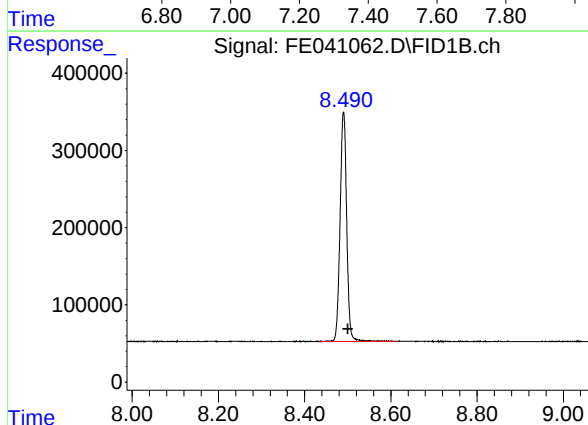
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.297 min
Delta R.T.: -0.010 min
Response: 3206497
Conc: 19.36 ug/ml

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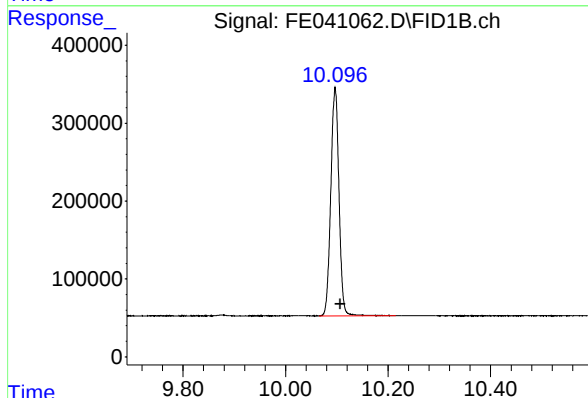
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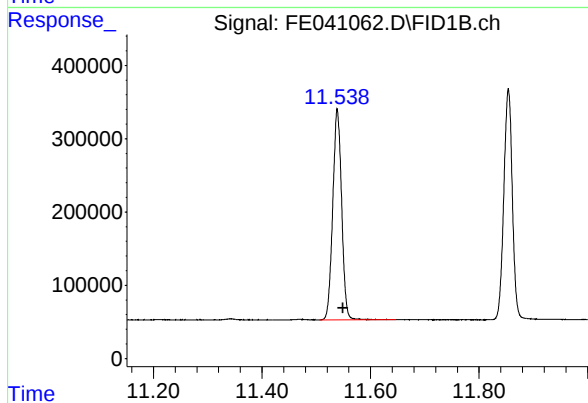
#6 n-Tetradecane (C14)

R.T.: 8.490 min
Delta R.T.: -0.010 min
Response: 3167392
Conc: 18.17 ug/ml



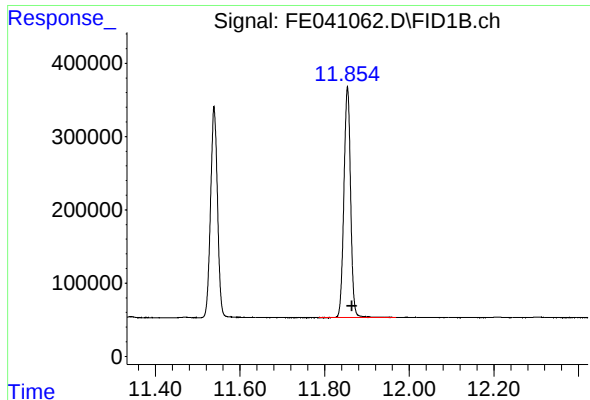
#7 n-Hexadecane (C16)

R.T.: 10.097 min
Delta R.T.: -0.010 min
Response: 3248935
Conc: 18.27 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.539 min
Delta R.T.: -0.011 min
Response: 3269387
Conc: 18.31 ug/ml



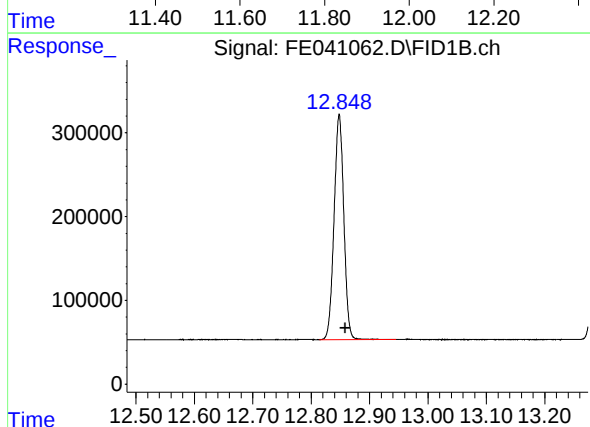
#9 ortho-Terphenyl (SURR)

R.T.: 11.854 min
Delta R.T.: -0.011 min
Response: 3450648
Conc: 18.36 ug/ml

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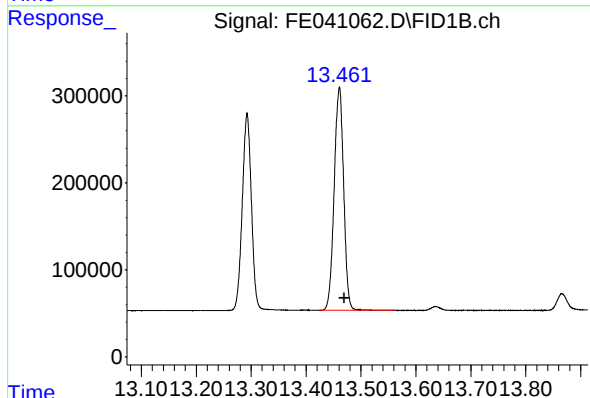
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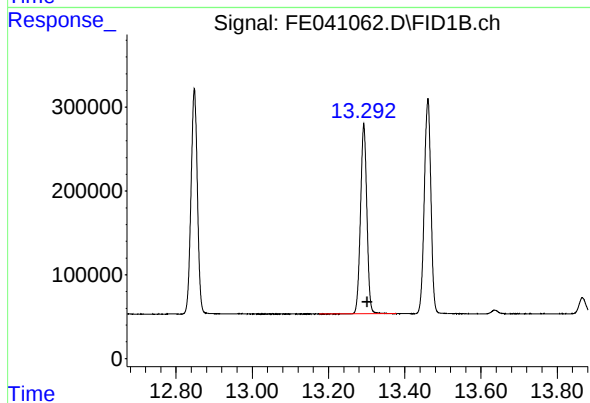
#10 n-Eicosane (C20)

R.T.: 12.848 min
Delta R.T.: -0.010 min
Response: 3118714
Conc: 18.28 ug/ml



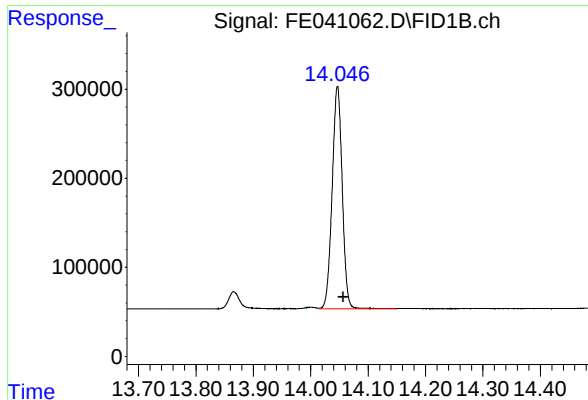
#11 n-Heneicosane (C21)

R.T.: 13.461 min
Delta R.T.: -0.009 min
Response: 3087266
Conc: 18.25 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.293 min
Delta R.T.: -0.009 min
Response: 2624231
Conc: 18.24 ug/ml



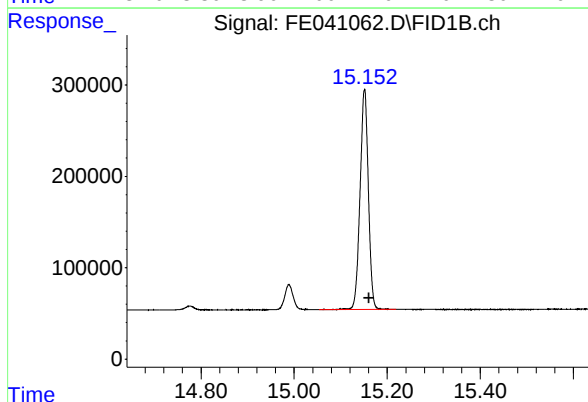
#13 n-Docosane (C22)

R.T.: 14.047 min
Delta R.T.: -0.011 min
Response: 3041974
Conc: 18.38 ug/ml

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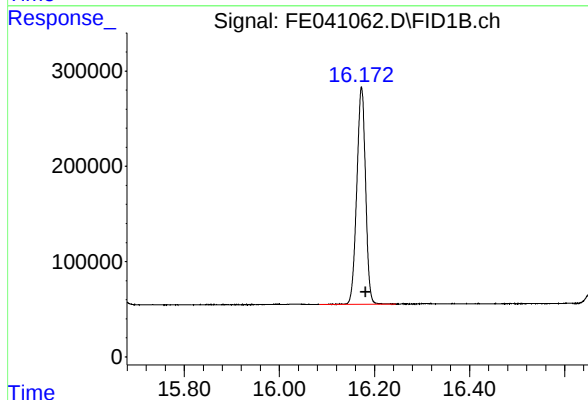
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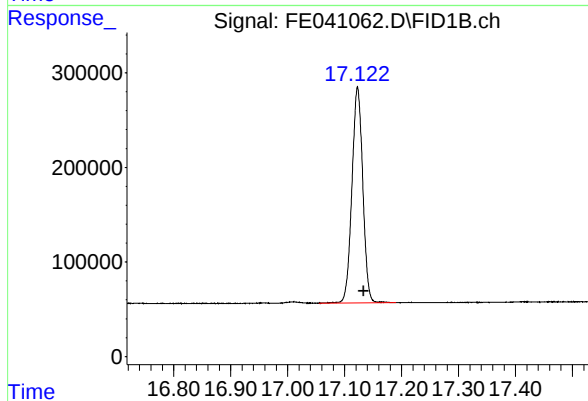
#14 n-Tetracosane (C24)

R.T.: 15.151 min
Delta R.T.: -0.009 min
Response: 2989602
Conc: 18.48 ug/ml



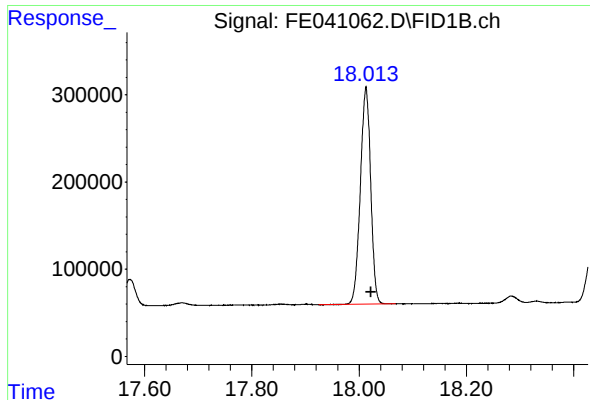
#15 n-Hexacosane (C26)

R.T.: 16.173 min
Delta R.T.: -0.009 min
Response: 2907438
Conc: 18.76 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.123 min
Delta R.T.: -0.010 min
Response: 3017495
Conc: 19.70 ug/ml



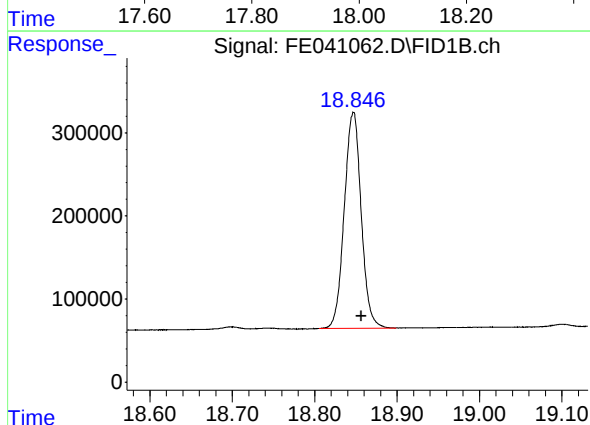
#17 n-Tricontane (C30)

R.T.: 18.013 min
Delta R.T.: -0.009 min
Response: 3331816
Conc: 21.80 ug/ml

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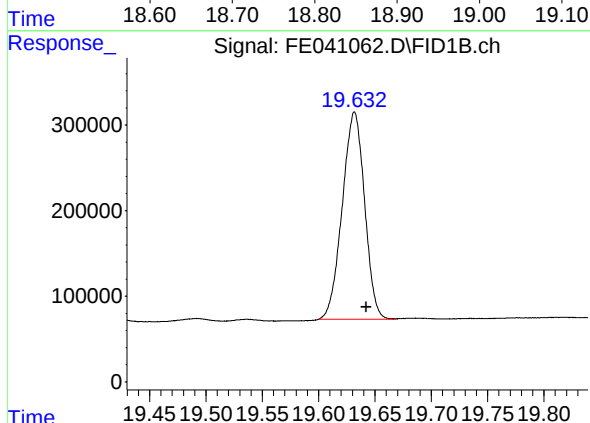
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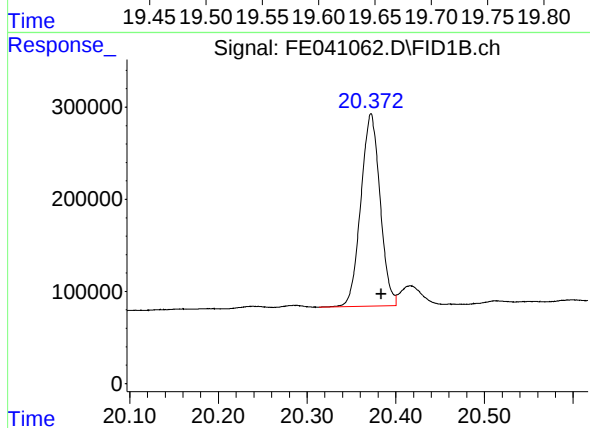
#18 n-Dotriacontane (C32)

R.T.: 18.847 min
Delta R.T.: -0.010 min
Response: 3713706
Conc: 23.79 ug/ml



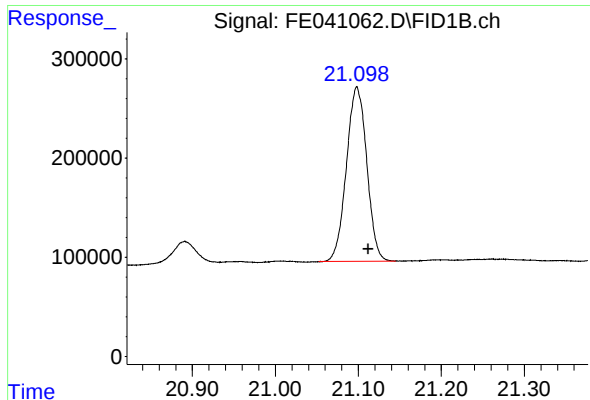
#19 n-Tetratriacontane (C34)

R.T.: 19.632 min
Delta R.T.: -0.011 min
Response: 3338899
Conc: 21.55 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.372 min
Delta R.T.: -0.012 min
Response: 3145661
Conc: 20.71 ug/ml



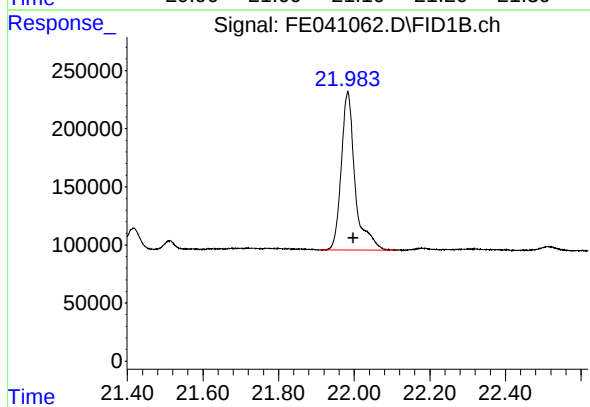
#21 n-Octatriacontane (C38)

R.T.: 21.098 min
Delta R.T.: -0.014 min
Response: 2996526
Conc: 19.18 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.983 min
Delta R.T.: -0.015 min
Response: 3459074
Conc: 21.67 ug/ml