

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE040323AL\
 Data File : FE041121.D
 Signal(s) : FID1B.ch
 Acq On : 03 Apr 2023 11:42
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/04/2023
 Supervised By :Ankita Jodhani 04/04/2023

Integration File: autoint1.e
 Quant Time: Apr 03 22:19:28 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)	11.855	3483975	18.538 ug/ml
Spiked Amount 50.000		Recovery =	37.08%
12) S 1-chlorooctadecane (S...	13.295	2692126	18.711 ug/ml
Spiked Amount 50.000		Recovery =	37.42%
Target Compounds			
1) T n-Nonane (C9)	3.251	3151781	18.164 ug/ml
2) T n-Decane (C10)	4.498	3141798	18.458 ug/ml
3) T A~Naphthalene (C11.7)	6.201	3444716	18.833 ug/ml
4) T n-Dodecane (C12)	6.663	3199853	18.447 ug/ml
5) T A~2-methylnaphthalene...	7.297	3238330	19.553 ug/ml
6) T n-Tetradecane (C14)	8.490	3233359	18.544 ug/ml
7) T n-Hexadecane (C16)	10.098	3311580	18.620 ug/ml
8) T n-Octadecane (C18)	11.540	3343321	18.725 ug/ml
10) T n-Eicosane (C20)	12.851	3204281	18.785 ug/ml
11) T n-Heneicosane (C21)	13.463	3180731	18.800 ug/ml
13) T n-Docosane (C22)	14.050	3143160	18.994 ug/ml
14) T n-Tetracosane (C24)	15.154	3126611	19.326 ug/ml
15) T n-Hexacosane (C26)	16.177	3044107	19.637 ug/ml
16) T n-Octacosane (C28)	17.129	3043150	19.866 ug/ml
17) T n-Tricontane (C30)	18.018	3157959	20.660 ug/ml
18) T n-Dotriacontane (C32)	18.851	3125140	20.017 ug/ml
19) T n-Tetratriacontane (C34)	19.636	3042963	19.636 ug/ml
20) T n-Hexatriacontane (C36)	20.379	2921533	19.233 ug/mlm
21) T n-Octatriacontane (C38)	21.107	3008378	19.258 ug/ml
22) T n-Tetracontane (C40)	21.994	3503364	21.950 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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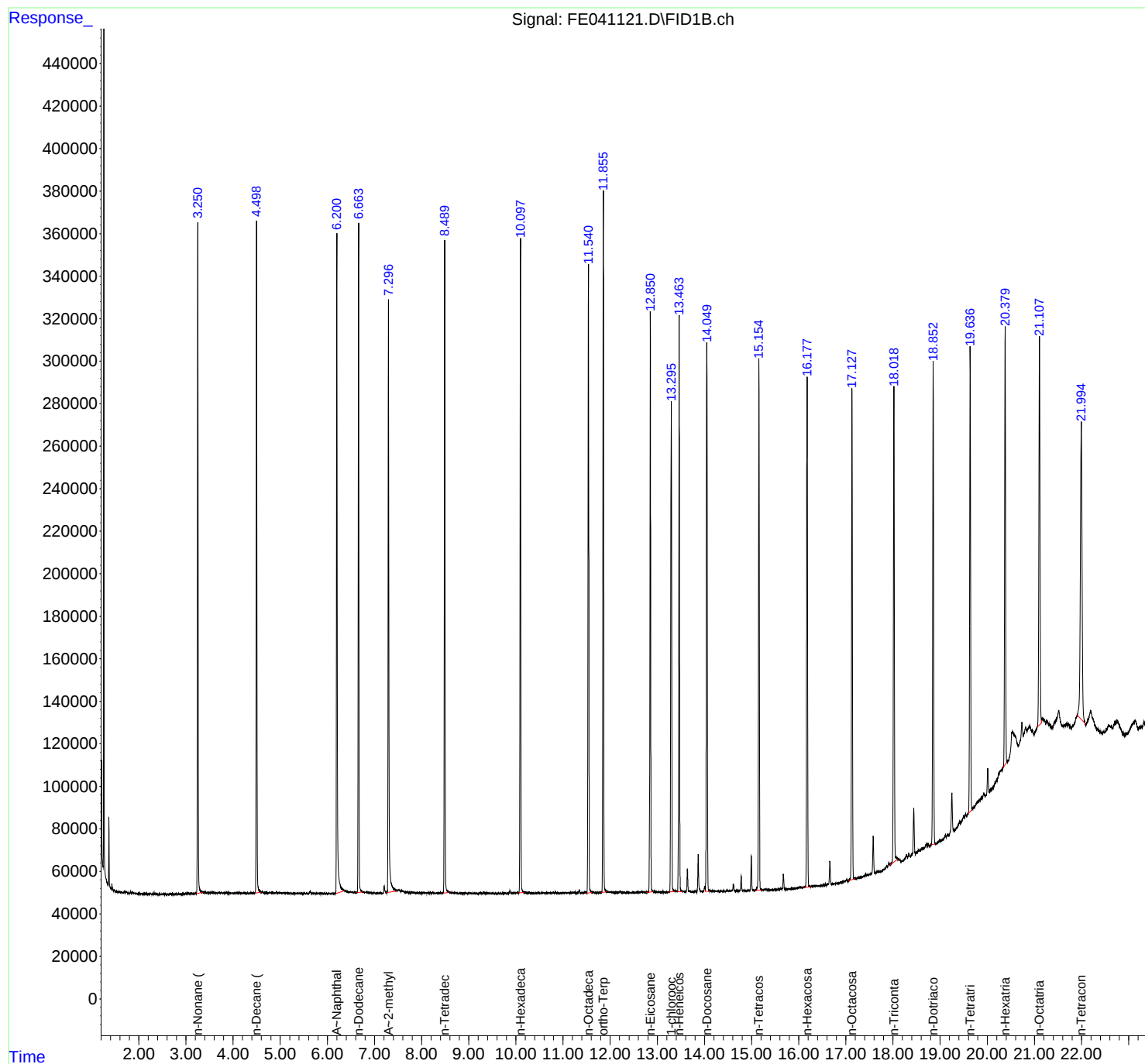
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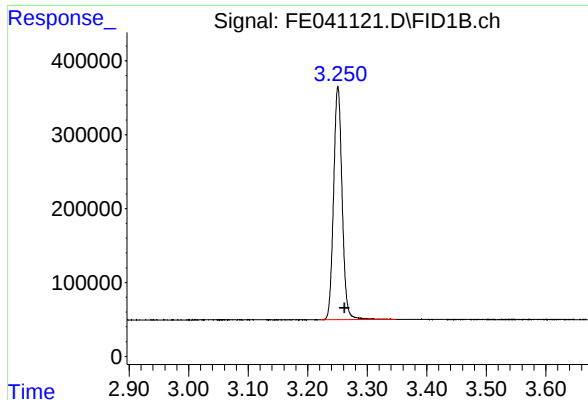
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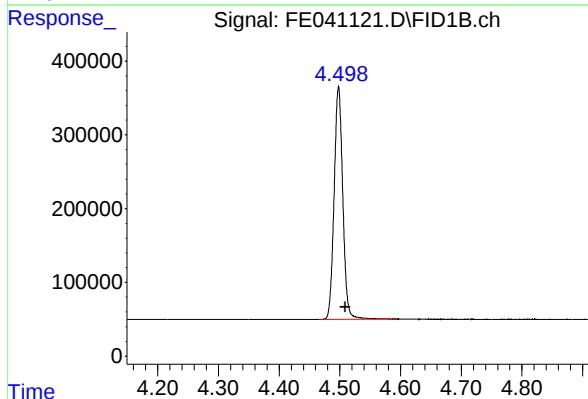
#1 n-Nonane (C9)

R.T.: 3.251 min
Delta R.T.: -0.011 min
Response: 3151781
Conc: 18.16 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

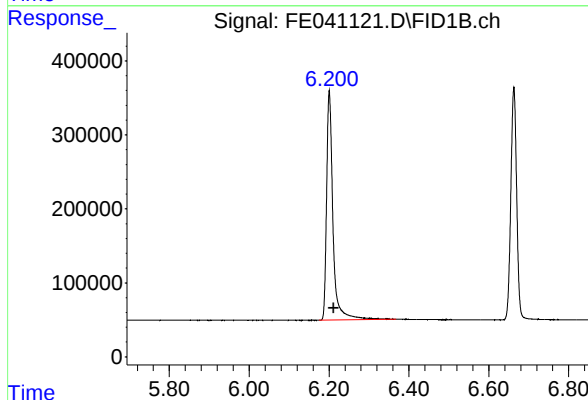
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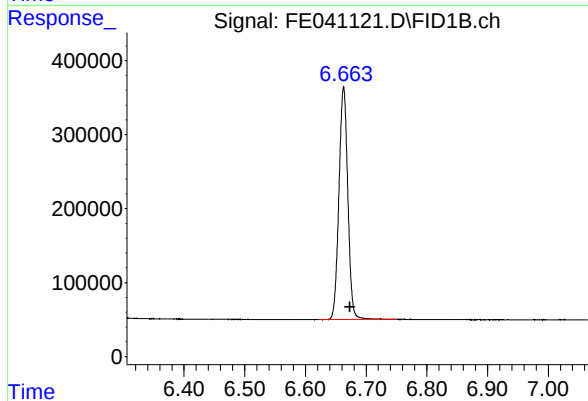
#2 n-Decane (C10)

R.T.: 4.498 min
Delta R.T.: -0.011 min
Response: 3141798
Conc: 18.46 ug/ml



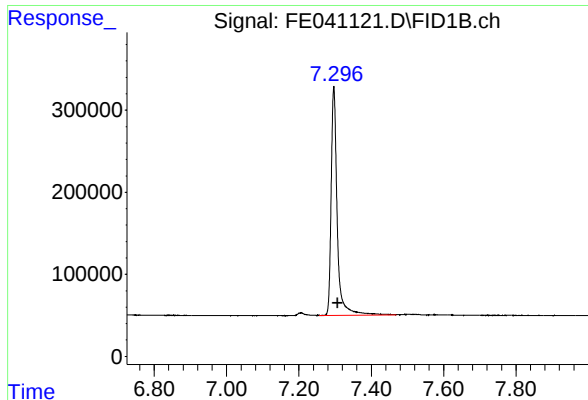
#3 A~Naphthalene (C11.7)

R.T.: 6.201 min
Delta R.T.: -0.011 min
Response: 3444716
Conc: 18.83 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.663 min
Delta R.T.: -0.011 min
Response: 3199853
Conc: 18.45 ug/ml



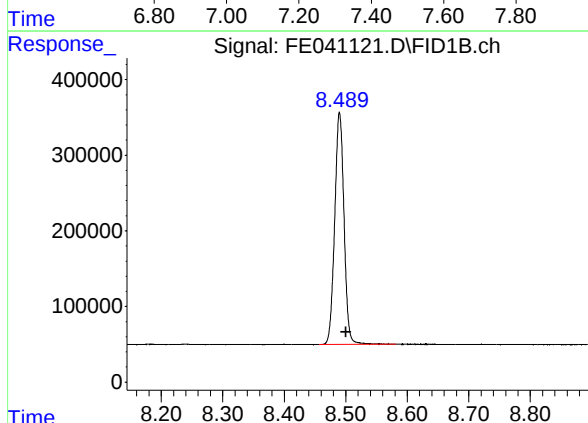
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.297 min
Delta R.T.: -0.011 min
Response: 3238330
Conc: 19.55 ug/ml

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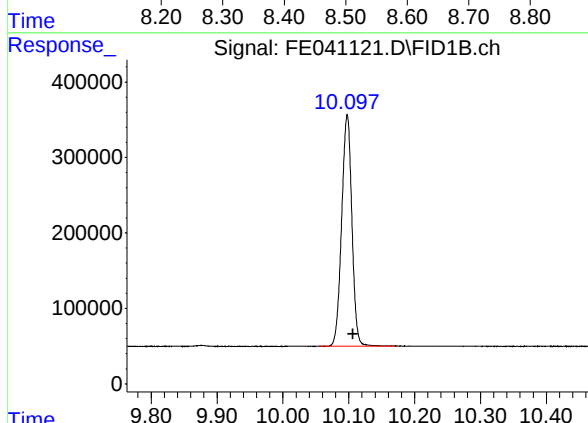
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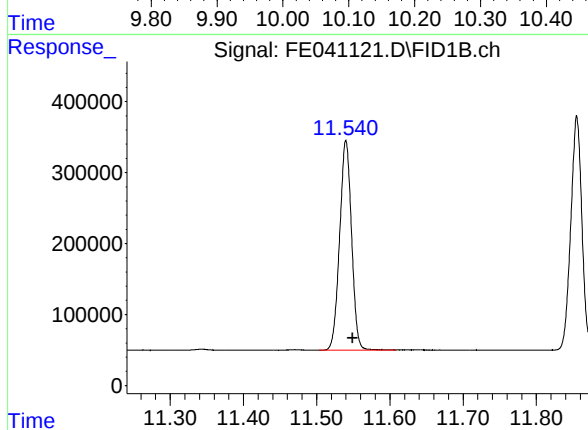
#6 n-Tetradecane (C14)

R.T.: 8.490 min
Delta R.T.: -0.010 min
Response: 3233359
Conc: 18.54 ug/ml



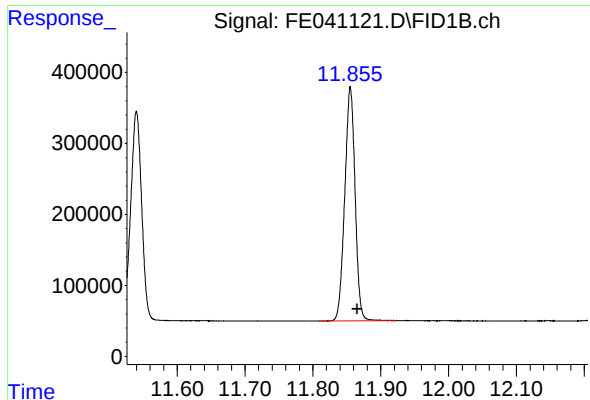
#7 n-Hexadecane (C16)

R.T.: 10.098 min
Delta R.T.: -0.009 min
Response: 3311580
Conc: 18.62 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.540 min
Delta R.T.: -0.009 min
Response: 3343321
Conc: 18.72 ug/ml



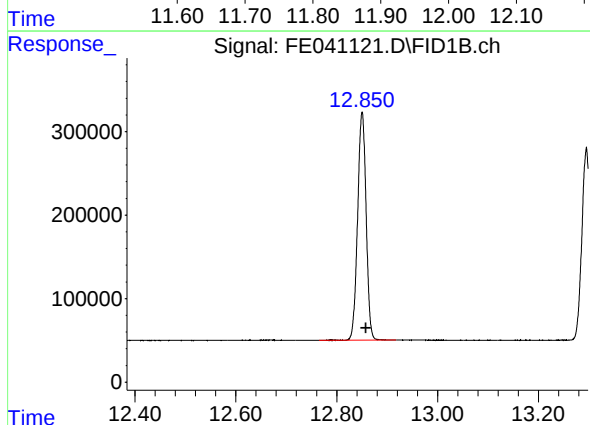
#9 ortho-Terphenyl (SURR)

R.T.: 11.855 min
Delta R.T.: -0.010 min
Response: 3483975
Conc: 18.54 ug/ml

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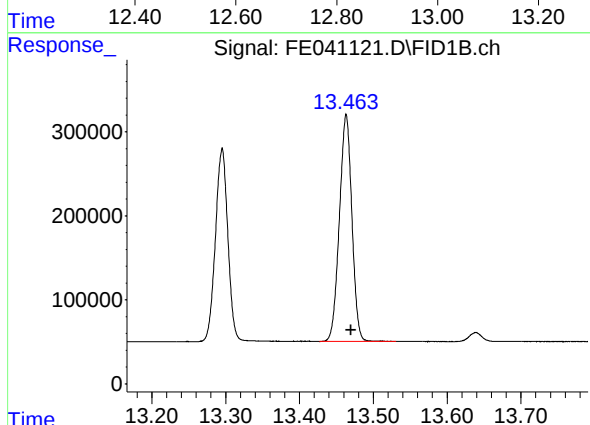
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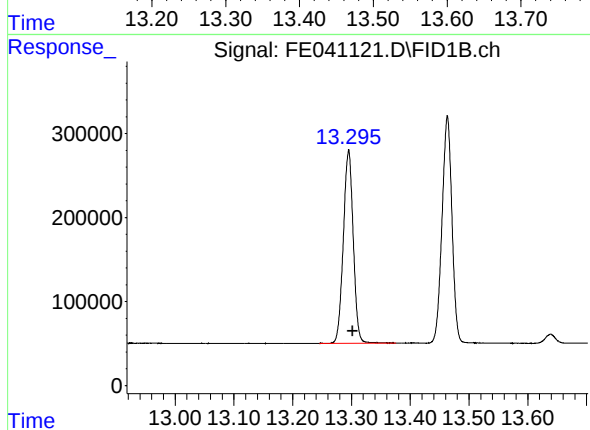
#10 n-Eicosane (C20)

R.T.: 12.851 min
Delta R.T.: -0.008 min
Response: 3204281
Conc: 18.79 ug/ml



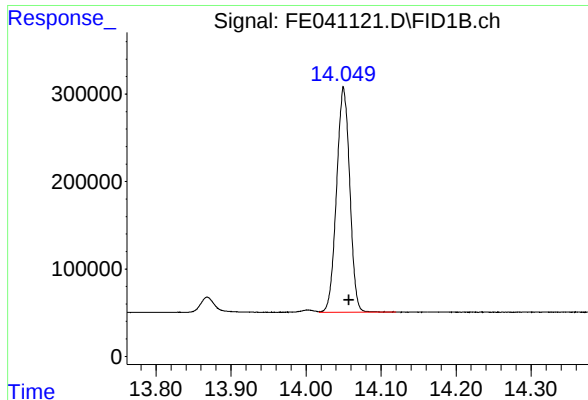
#11 n-Heneicosane (C21)

R.T.: 13.463 min
Delta R.T.: -0.007 min
Response: 3180731
Conc: 18.80 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.295 min
Delta R.T.: -0.007 min
Response: 2692126
Conc: 18.71 ug/ml



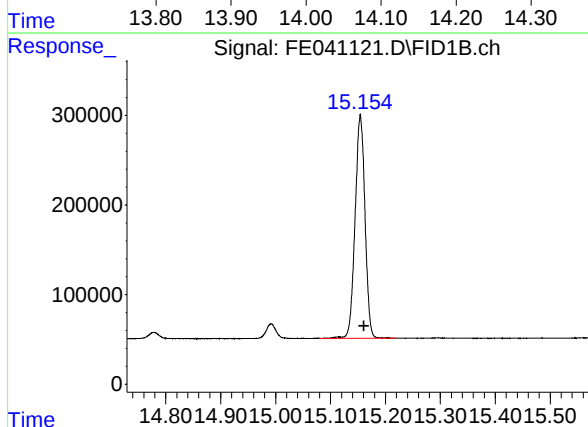
#13 n-Docosane (C22)

R.T.: 14.050 min
Delta R.T.: -0.007 min
Response: 3143160
Conc: 18.99 ug/ml

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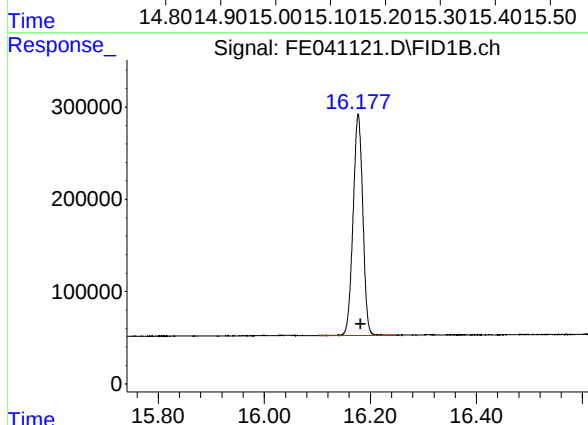
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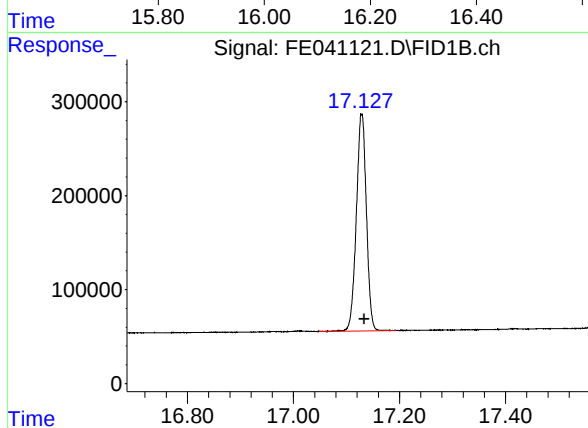
#14 n-Tetracosane (C24)

R.T.: 15.154 min
Delta R.T.: -0.007 min
Response: 3126611
Conc: 19.33 ug/ml



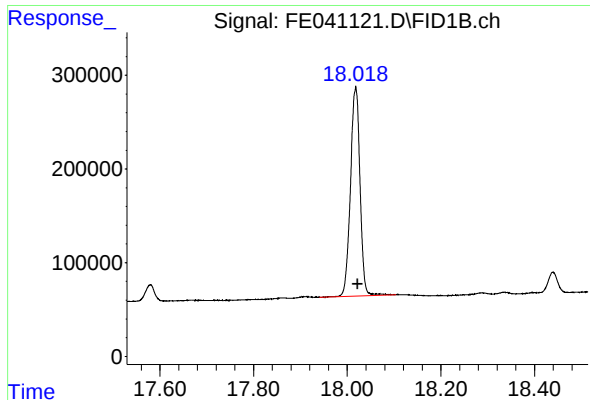
#15 n-Hexacosane (C26)

R.T.: 16.177 min
Delta R.T.: -0.005 min
Response: 3044107
Conc: 19.64 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.129 min
Delta R.T.: -0.004 min
Response: 3043150
Conc: 19.87 ug/ml



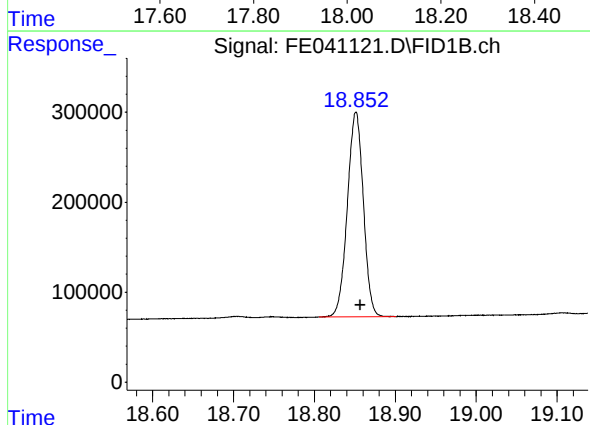
#17 n-Tricontane (C30)

R.T.: 18.018 min
Delta R.T.: -0.004 min
Response: 3157959
Conc: 20.66 ug/ml

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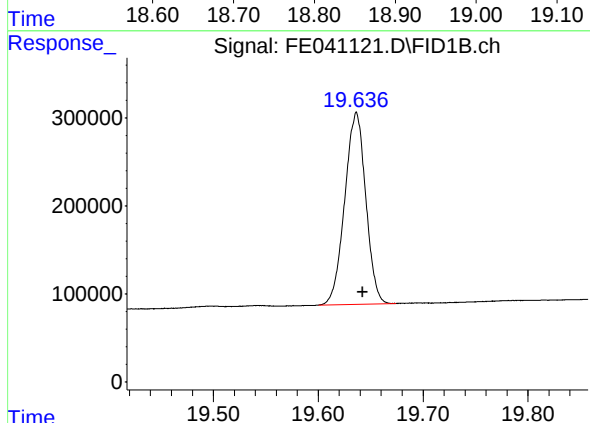
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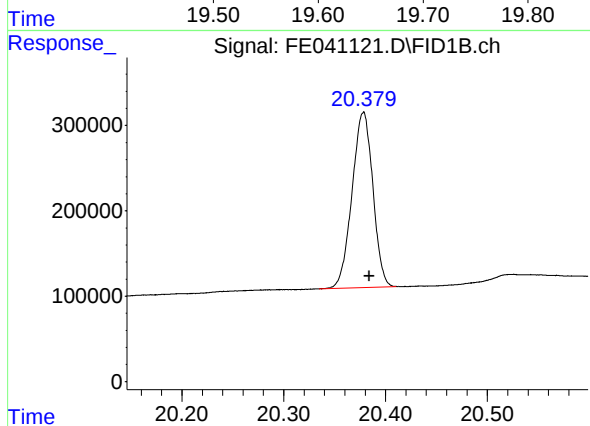
#18 n-Dotriacontane (C32)

R.T.: 18.851 min
Delta R.T.: -0.005 min
Response: 3125140
Conc: 20.02 ug/ml



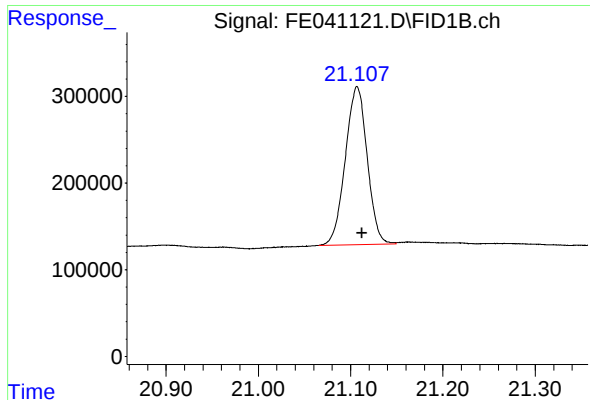
#19 n-Tetratriacontane (C34)

R.T.: 19.636 min
Delta R.T.: -0.006 min
Response: 3042963
Conc: 19.64 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.379 min
Delta R.T.: -0.005 min
Response: 2921533
Conc: 19.23 ug/ml m



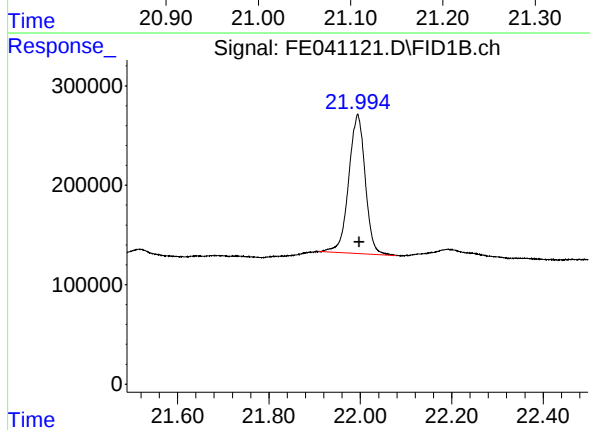
#21 n-Octatriacontane (C38)

R.T.: 21.107 min
Delta R.T.: -0.005 min
Response: 3008378
Conc: 19.26 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.994 min
Delta R.T.: -0.003 min
Response: 3503364
Conc: 21.95 ug/ml m