

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE040124AL\
 Data File : FE047416.D
 Signal(s) : FID1B.ch
 Acq On : 01 Apr 2024 22:16
 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 04/02/2024
 Supervised By :Ankita Jodhani 04/02/2024

Integration File: autoint1.e
 Quant Time: Apr 02 03:06:24 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032324.M
 Quant Title : GC Extractables
 QLast Update : Sat Mar 23 01:31:33 2024
 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)	11.983	2833540	18.094 ug/ml
Spiked Amount 50.000		Recovery =	36.19%
12) S 1-chlorooctadecane (S...	13.416	2206600	18.194 ug/ml
Spiked Amount 50.000		Recovery =	36.39%
Target Compounds			
1) T n-Nonane (C9)	3.364	2582024	17.681 ug/mlm
2) T n-Decane (C10)	4.617	2643942	17.737 ug/ml
3) T A~Naphthalene (C11.7)	6.325	2786570	17.961 ug/ml
4) T n-Dodecane (C12)	6.783	2658887	17.779 ug/ml
5) T A~2-methylnaphthalene...	7.421	2689685	17.973 ug/ml
6) T n-Tetradecane (C14)	8.611	2636505	17.875 ug/ml
7) T n-Hexadecane (C16)	10.219	2723159	17.991 ug/ml
8) T n-Octadecane (C18)	11.662	2752247	18.115 ug/ml
10) T n-Eicosane (C20)	12.971	2658808	18.274 ug/ml
11) T n-Heneicosane (C21)	13.583	2604918	18.226 ug/ml
13) T n-Docosane (C22)	14.169	2643289	18.621 ug/ml
14) T n-Tetracosane (C24)	15.271	2726239	19.338 ug/ml
15) T n-Hexacosane (C26)	16.290	2773510	19.945 ug/ml
16) T n-Octacosane (C28)	17.237	2846275	20.830 ug/mlm
17) T n-Tricontane (C30)	18.123	2987723	21.518 ug/mlm
18) T n-Dotriacontane (C32)	18.954	2960143	21.460 ug/ml
19) T n-Tetratriacontane (C34)	19.736	2771956	20.226 ug/ml
20) T n-Hexatriacontane (C36)	20.475	2694783	19.732 ug/mlm
21) T n-Octatriacontane (C38)	21.216	2692963	19.427 ug/mlm
22) T n-Tetracontane (C40)	22.146	2663203	18.590 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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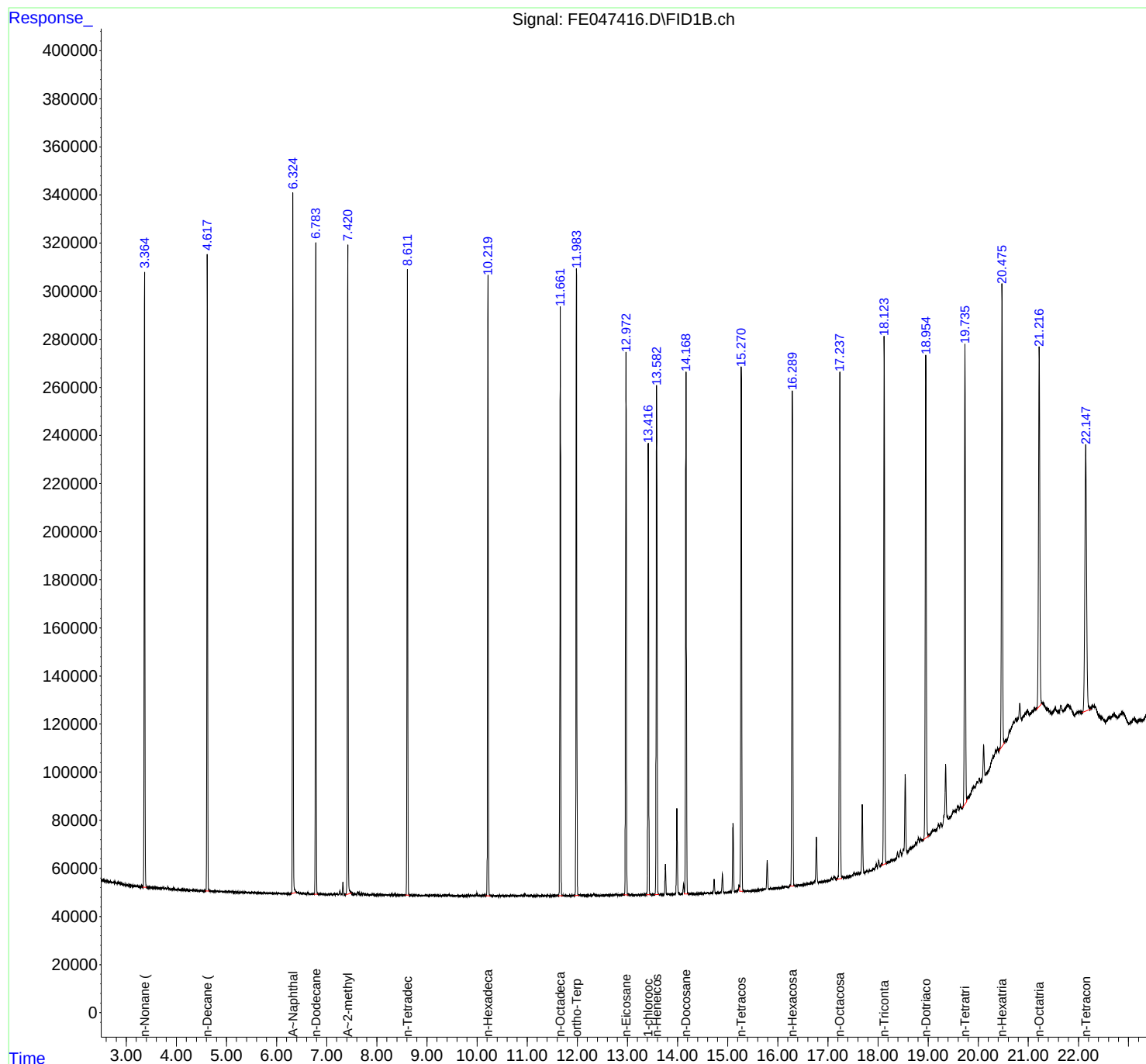
Instrument :
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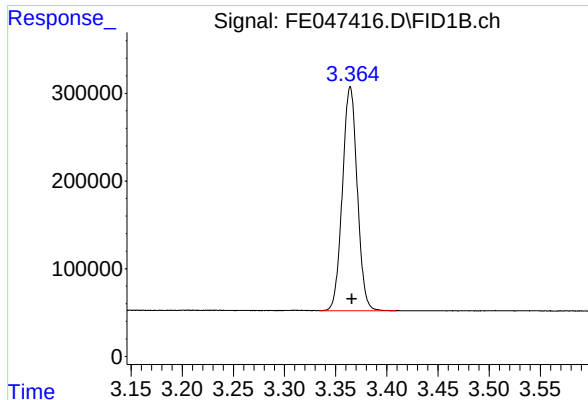
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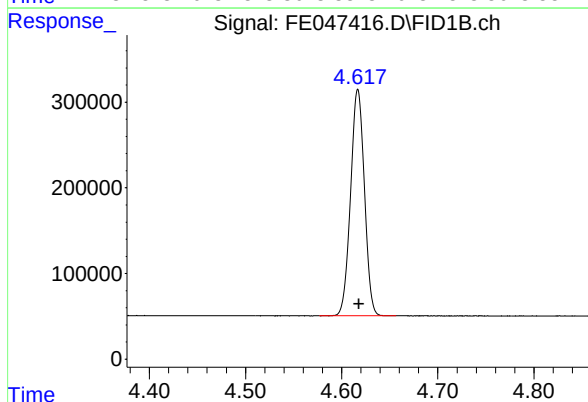
#1 n-Nonane (C9)

R.T.: 3.364 min
Delta R.T.: -0.002 min
Response: 2582024
Conc: 17.68 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

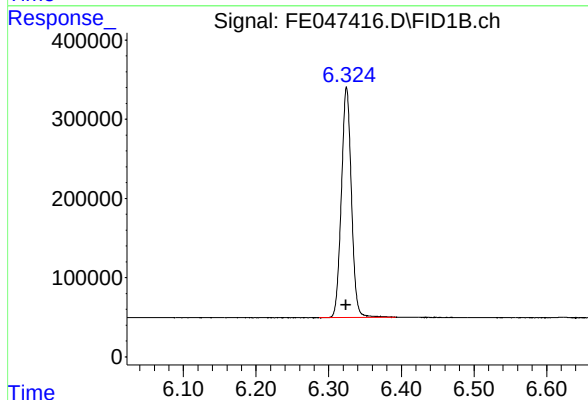
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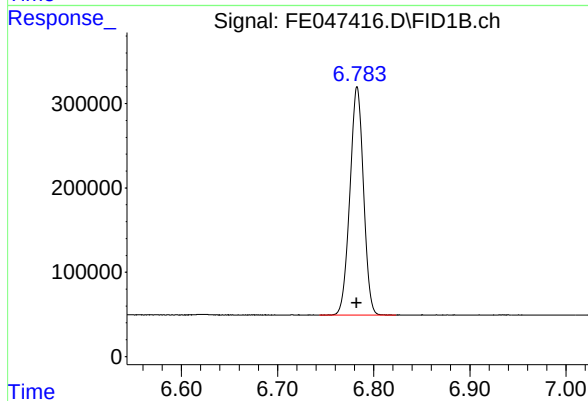
#2 n-Decane (C10)

R.T.: 4.617 min
Delta R.T.: -0.001 min
Response: 2643942
Conc: 17.74 ug/ml



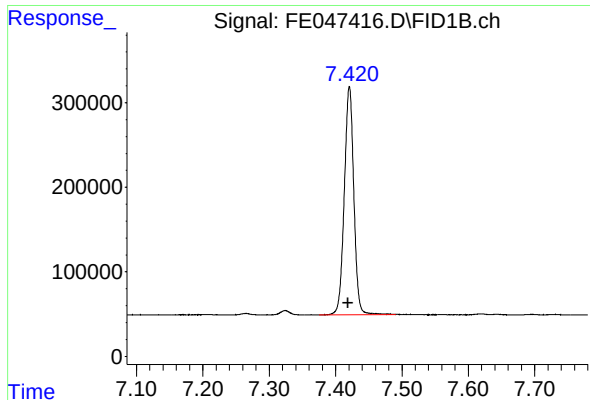
#3 A~Naphthalene (C11.7)

R.T.: 6.325 min
Delta R.T.: 0.001 min
Response: 2786570
Conc: 17.96 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.783 min
Delta R.T.: 0.000 min
Response: 2658887
Conc: 17.78 ug/ml



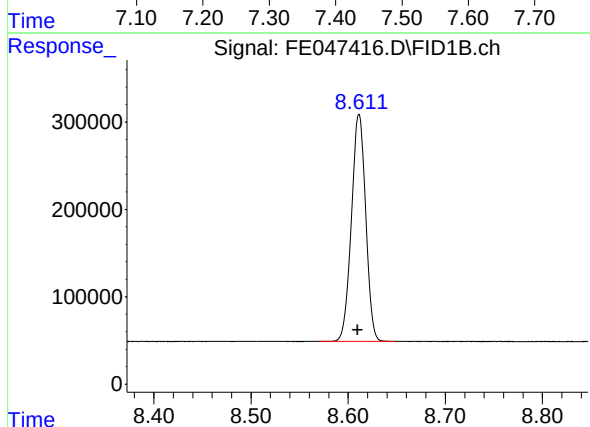
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.421 min
Delta R.T.: 0.002 min
Response: 2689685
Conc: 17.97 ug/ml

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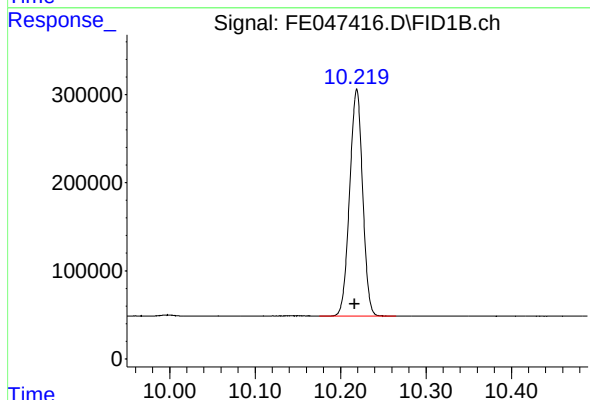
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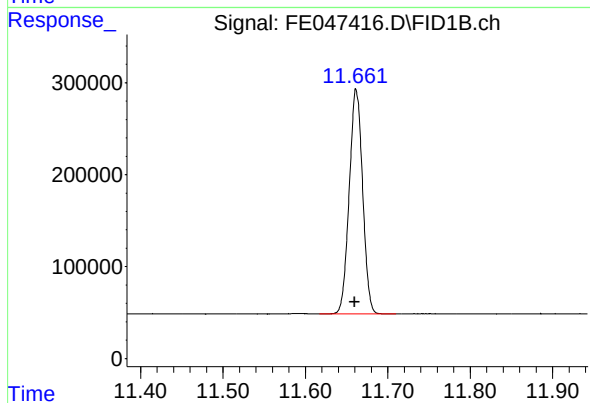
#6 n-Tetradecane (C14)

R.T.: 8.611 min
Delta R.T.: 0.001 min
Response: 2636505
Conc: 17.88 ug/ml



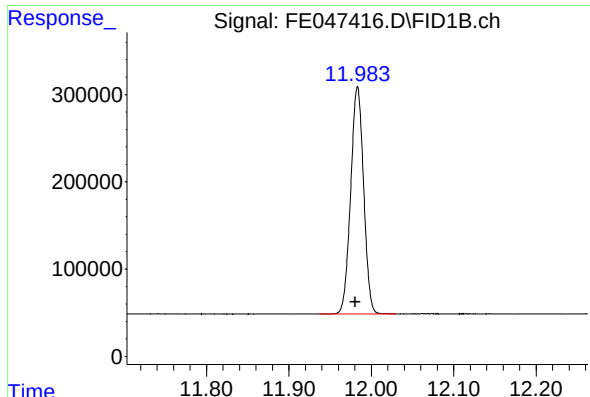
#7 n-Hexadecane (C16)

R.T.: 10.219 min
Delta R.T.: 0.003 min
Response: 2723159
Conc: 17.99 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.662 min
Delta R.T.: 0.002 min
Response: 2752247
Conc: 18.12 ug/ml



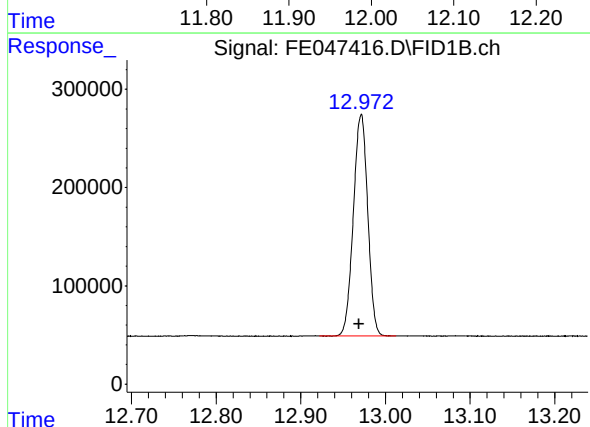
#9 ortho-Terphenyl (SURR)

R.T.: 11.983 min
Delta R.T.: 0.003 min
Response: 2833540
Conc: 18.09 ug/ml

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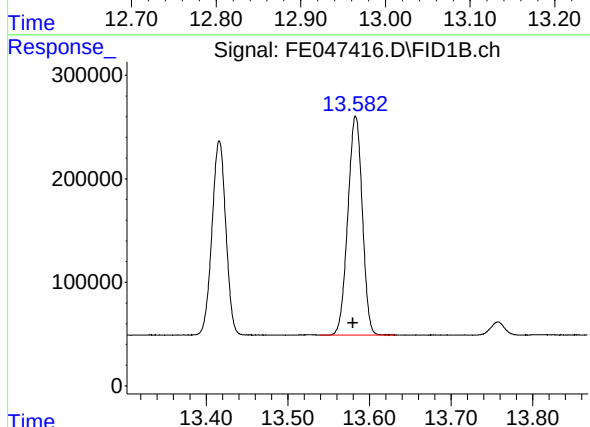
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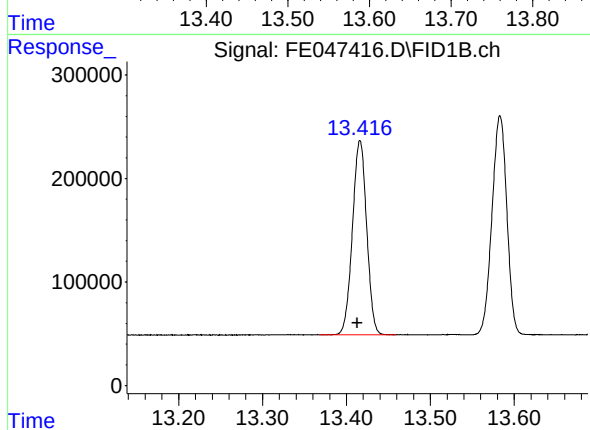
#10 n-Eicosane (C20)

R.T.: 12.971 min
Delta R.T.: 0.002 min
Response: 2658808
Conc: 18.27 ug/ml



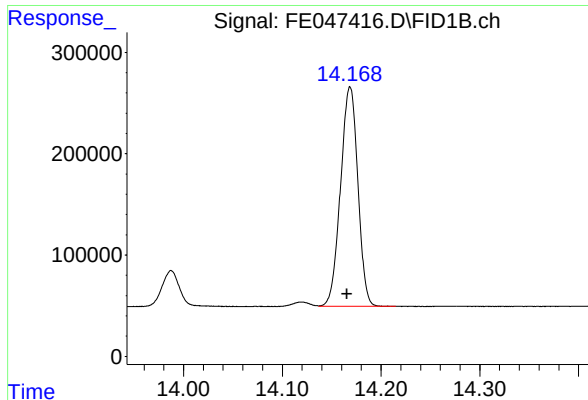
#11 n-Heneicosane (C21)

R.T.: 13.583 min
Delta R.T.: 0.003 min
Response: 2604918
Conc: 18.23 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.416 min
Delta R.T.: 0.003 min
Response: 2206600
Conc: 18.19 ug/ml



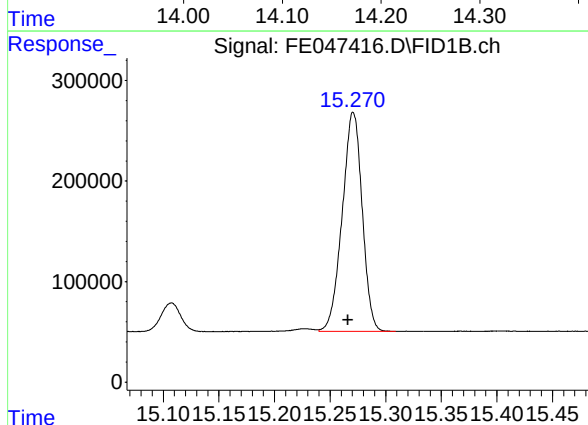
#13 n-Docosane (C22)

R.T.: 14.169 min
Delta R.T.: 0.003 min
Response: 2643289
Conc: 18.62 ug/ml

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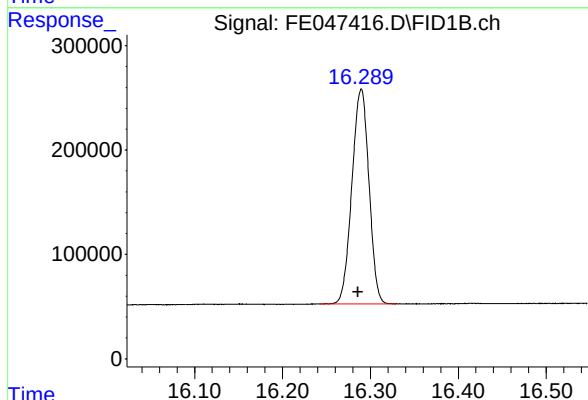
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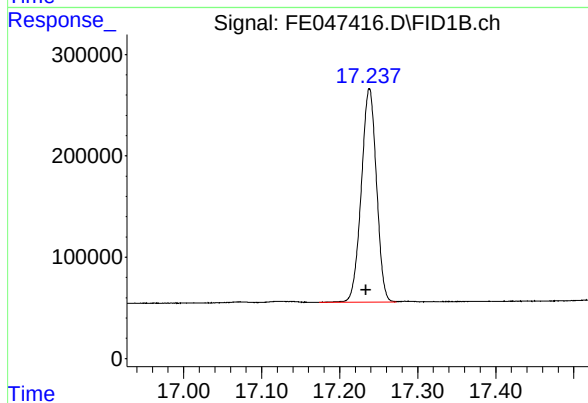
#14 n-Tetracosane (C24)

R.T.: 15.271 min
Delta R.T.: 0.005 min
Response: 2726239
Conc: 19.34 ug/ml



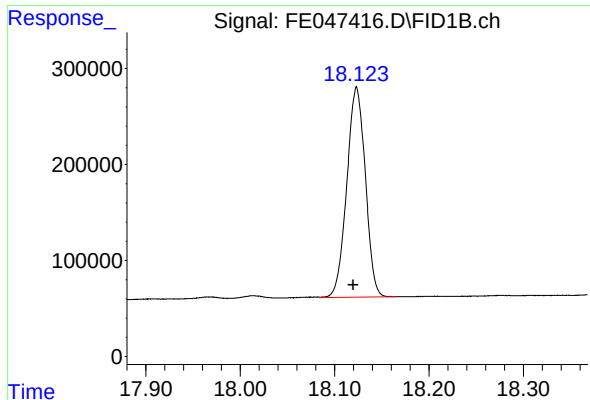
#15 n-Hexacosane (C26)

R.T.: 16.290 min
Delta R.T.: 0.003 min
Response: 2773510
Conc: 19.95 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.237 min
Delta R.T.: 0.003 min
Response: 2846275
Conc: 20.83 ug/ml m



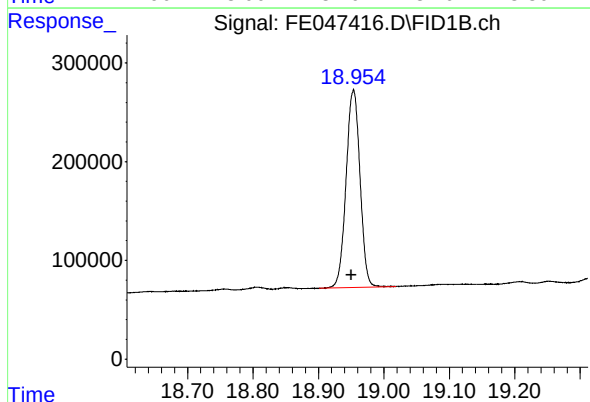
#17 n-Tricontane (C30)

R.T.: 18.123 min
Delta R.T.: 0.003 min
Response: 2987723
Conc: 21.52 ug/ml

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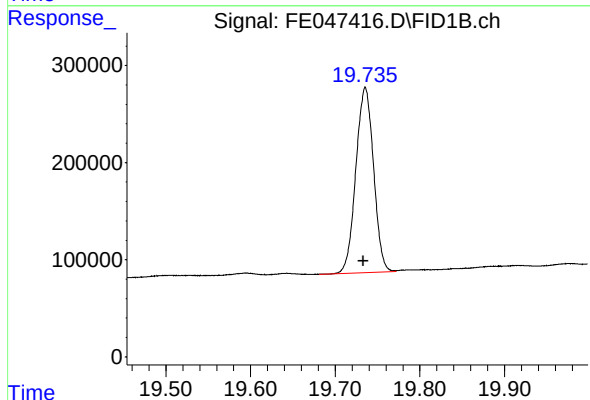
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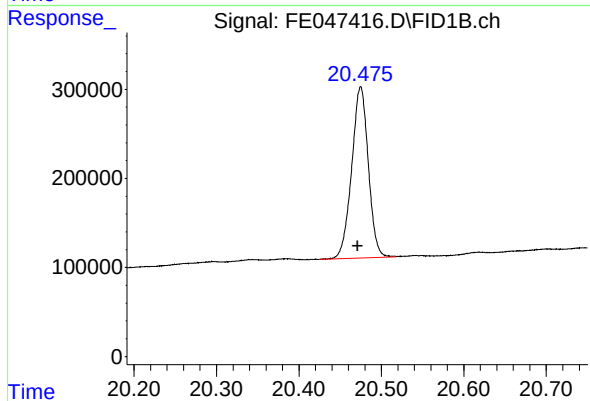
#18 n-Dotriacontane (C32)

R.T.: 18.954 min
Delta R.T.: 0.003 min
Response: 2960143
Conc: 21.46 ug/ml



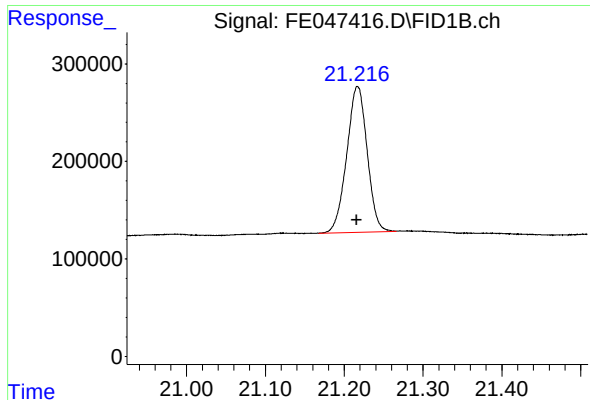
#19 n-Tetratriacontane (C34)

R.T.: 19.736 min
Delta R.T.: 0.002 min
Response: 2771956
Conc: 20.23 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.475 min
Delta R.T.: 0.004 min
Response: 2694783
Conc: 19.73 ug/ml m



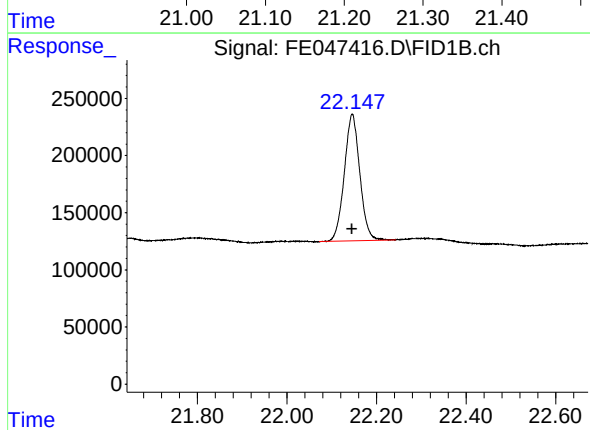
#21 n-Octatriacontane (C38)

R.T.: 21.216 min
Delta R.T.: 0.000 min
Response: 2692963
Conc: 19.43 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.146 min
Delta R.T.: 0.000 min
Response: 2663203
Conc: 18.59 ug/ml