

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100423AL\
 Data File : FE044592.D
 Signal(s) : FID1B.ch
 Acq On : 04 Oct 2023 20:49
 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 10/05/2023
 Supervised By :Ankita Jodhani 10/05/2023

Integration File: autoint1.e
 Quant Time: Oct 05 00:18:59 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092523.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 25 11:06:21 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)	11.923	3548481	18.901 ug/ml
Spiked Amount 50.000		Recovery =	37.80%
12) S 1-chlorooctadecane (S...	13.364	2601322	19.121 ug/ml
Spiked Amount 50.000		Recovery =	38.24%
Target Compounds			
1) T n-Nonane (C9)	3.307	2975055	18.325 ug/ml
2) T n-Decane (C10)	4.559	3082420	18.615 ug/ml
3) T A~Naphthalene (C11.7)	6.261	3346605	18.718 ug/ml
4) T n-Dodecane (C12)	6.724	3127956	18.805 ug/ml
5) T A~2-methylnaphthalene...	7.357	3207971	18.750 ug/ml
6) T n-Tetradecane (C14)	8.552	3119575	19.002 ug/ml
7) T n-Hexadecane (C16)	10.162	3222644	19.023 ug/ml
8) T n-Octadecane (C18)	11.607	3238035	19.071 ug/ml
10) T n-Eicosane (C20)	12.919	3062405	19.034 ug/ml
11) T n-Heneicosane (C21)	13.532	2970994	18.974 ug/ml
13) T n-Docosane (C22)	14.119	2945668	19.099 ug/ml
14) T n-Tetracosane (C24)	15.224	2866565	18.963 ug/ml
15) T n-Hexacosane (C26)	16.247	2810064	19.104 ug/ml
16) T n-Octacosane (C28)	17.197	2873859	20.038 ug/ml
17) T n-Tricontane (C30)	18.087	3198891	21.580 ug/ml
18) T n-Dotriacontane (C32)	18.922	3372963	22.785 ug/mlm
19) T n-Tetratriacontane (C34)	19.708	3246687	22.216 ug/mlm
20) T n-Hexatriacontane (C36)	20.449	3071577	21.176 ug/ml
21) T n-Octatriacontane (C38)	21.194	3023152	20.183 ug/ml
22) T n-Tetracontane (C40)	22.118	3492523	22.131 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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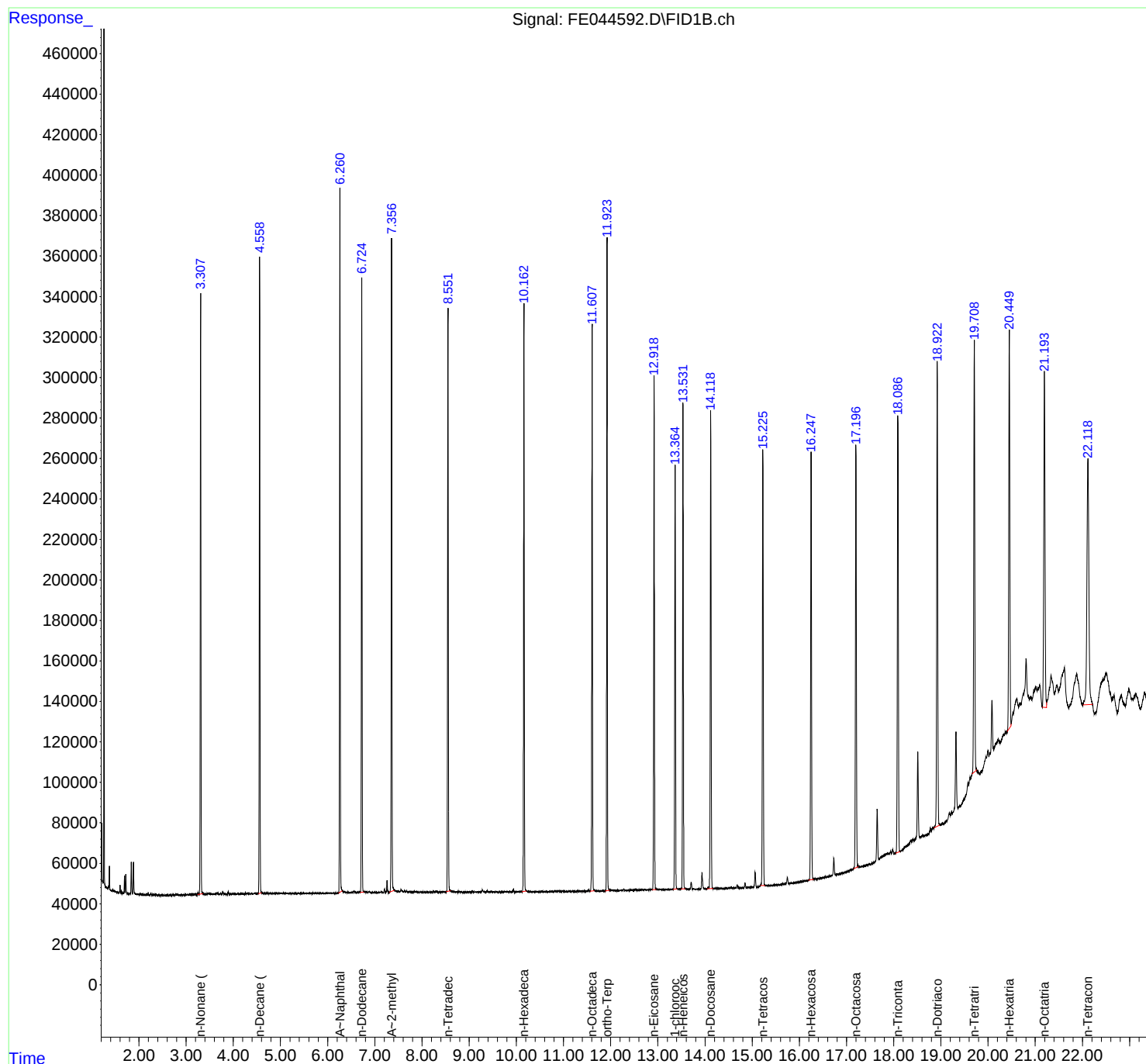
Instrument :
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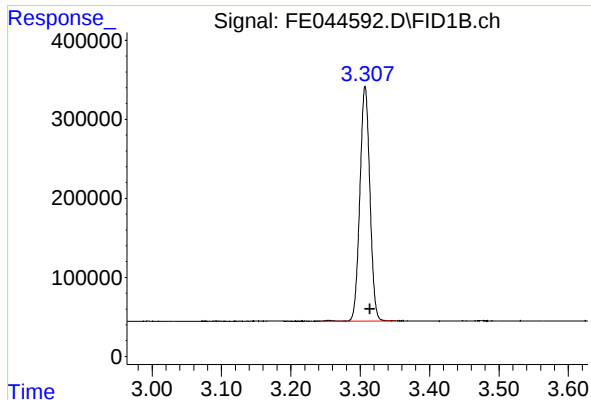
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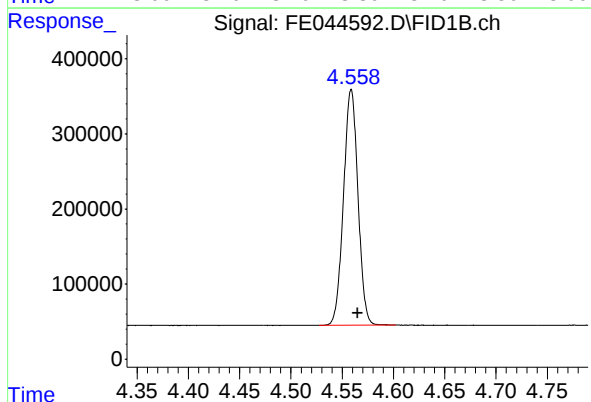
#1 n-Nonane (C9)

R.T.: 3.307 min
Delta R.T.: -0.007 min
Response: 2975055
Conc: 18.32 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

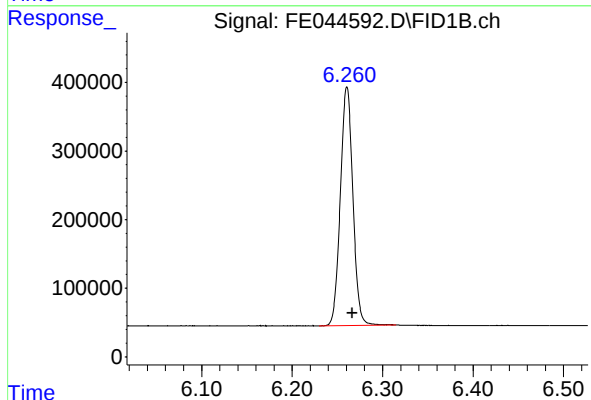
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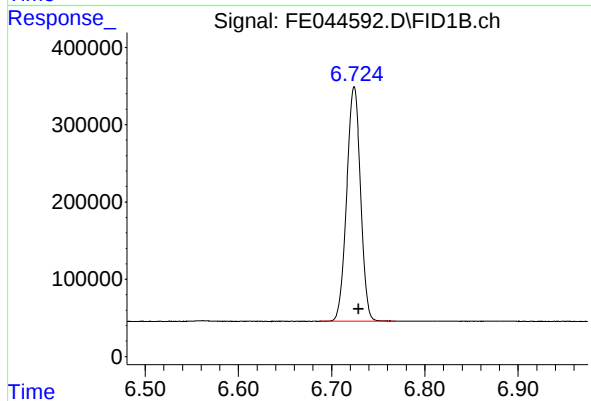
#2 n-Decane (C10)

R.T.: 4.559 min
Delta R.T.: -0.006 min
Response: 3082420
Conc: 18.61 ug/ml



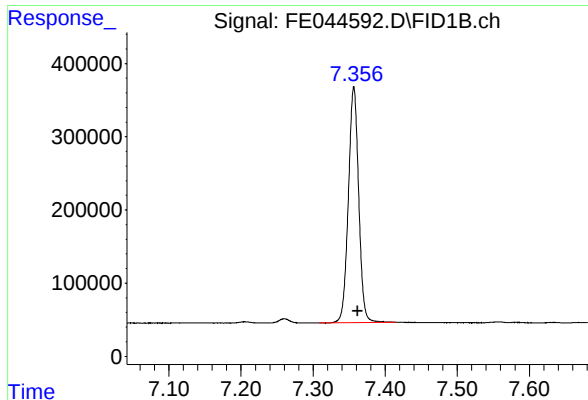
#3 A~Naphthalene (C11.7)

R.T.: 6.261 min
Delta R.T.: -0.006 min
Response: 3346605
Conc: 18.72 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.724 min
Delta R.T.: -0.005 min
Response: 3127956
Conc: 18.81 ug/ml



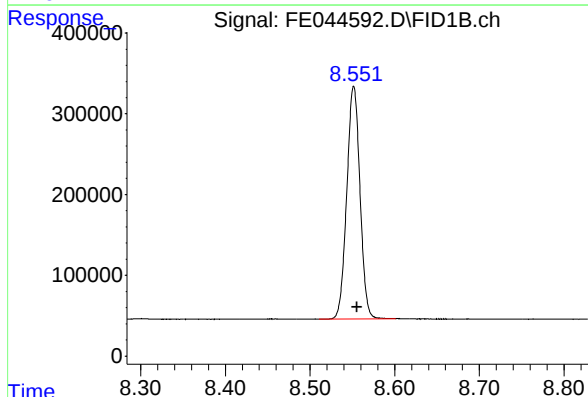
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.357 min
Delta R.T.: -0.005 min
Response: 3207971
Conc: 18.75 ug/ml

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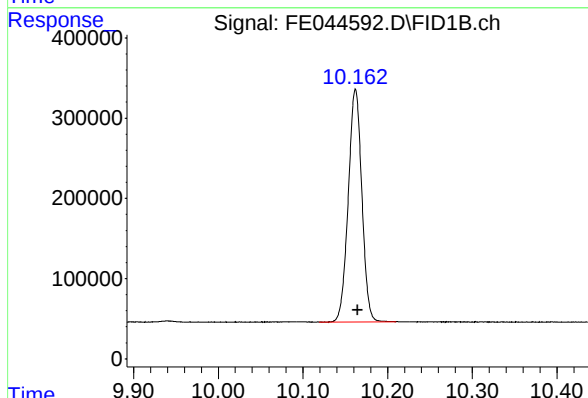
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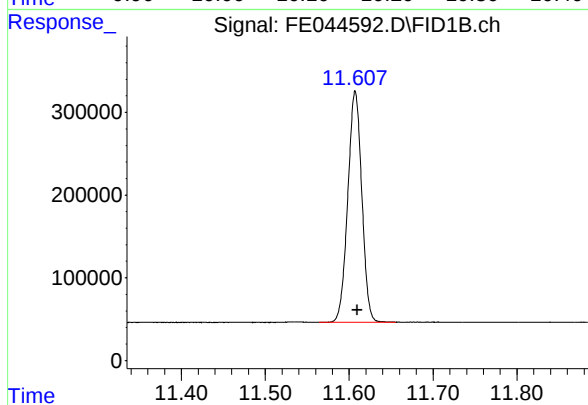
#6 n-Tetradecane (C14)

R.T.: 8.552 min
Delta R.T.: -0.004 min
Response: 3119575
Conc: 19.00 ug/ml



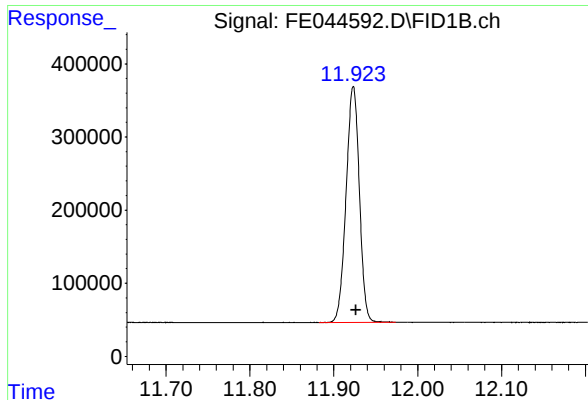
#7 n-Hexadecane (C16)

R.T.: 10.162 min
Delta R.T.: -0.003 min
Response: 3222644
Conc: 19.02 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.607 min
Delta R.T.: -0.002 min
Response: 3238035
Conc: 19.07 ug/ml



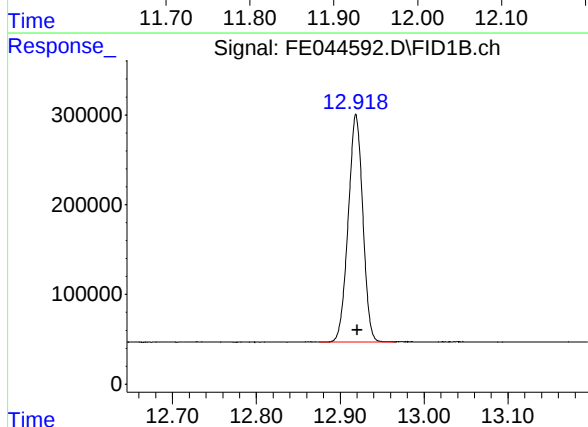
#9 ortho-Terphenyl (SURR)

R.T.: 11.923 min
Delta R.T.: -0.003 min
Response: 3548481
Conc: 18.90 ug/ml

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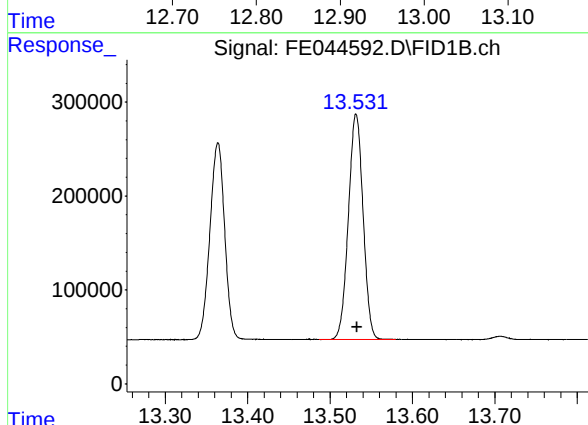
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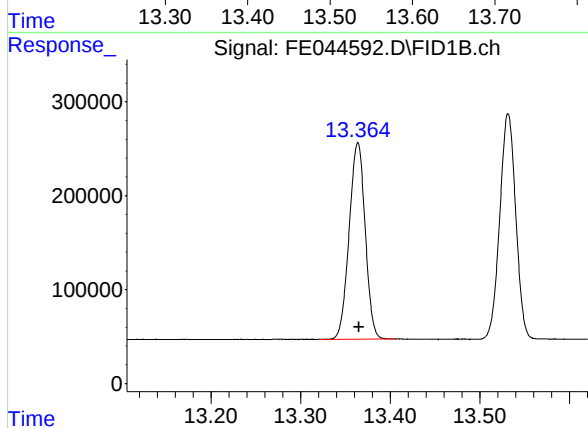
#10 n-Eicosane (C20)

R.T.: 12.919 min
Delta R.T.: -0.001 min
Response: 3062405
Conc: 19.03 ug/ml



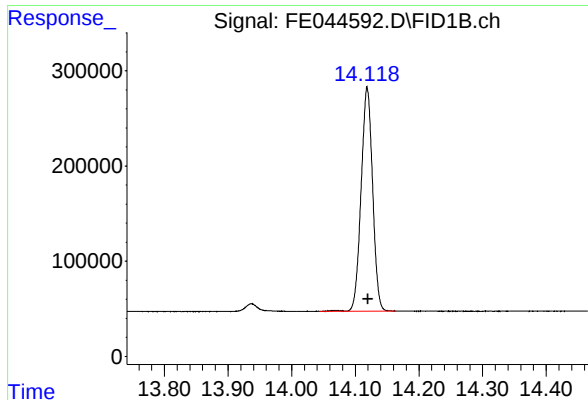
#11 n-Heneicosane (C21)

R.T.: 13.532 min
Delta R.T.: 0.000 min
Response: 2970994
Conc: 18.97 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.364 min
Delta R.T.: -0.001 min
Response: 2601322
Conc: 19.12 ug/ml



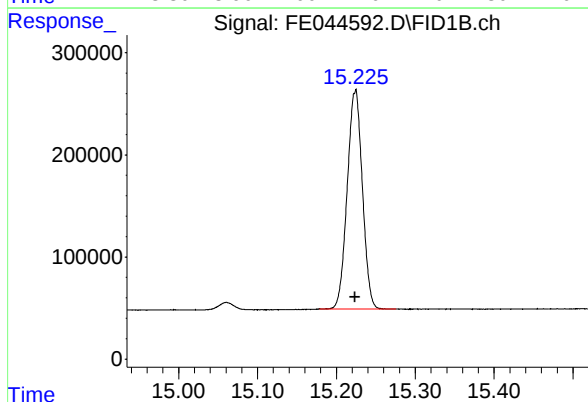
#13 n-Docosane (C22)

R.T.: 14.119 min
Delta R.T.: -0.001 min
Response: 2945668
Conc: 19.10 ug/ml

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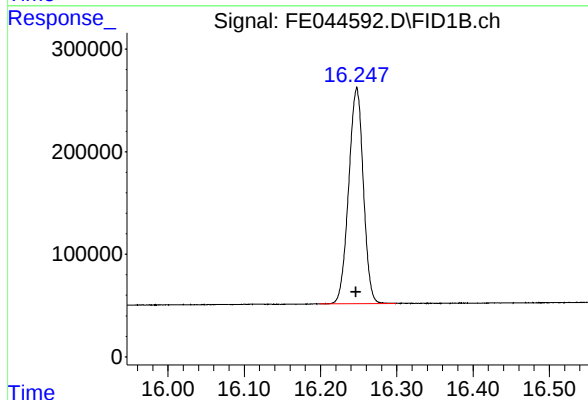
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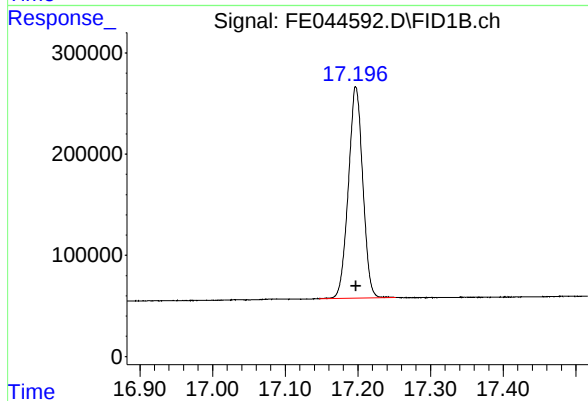
#14 n-Tetracosane (C24)

R.T.: 15.224 min
Delta R.T.: 0.000 min
Response: 2866565
Conc: 18.96 ug/ml



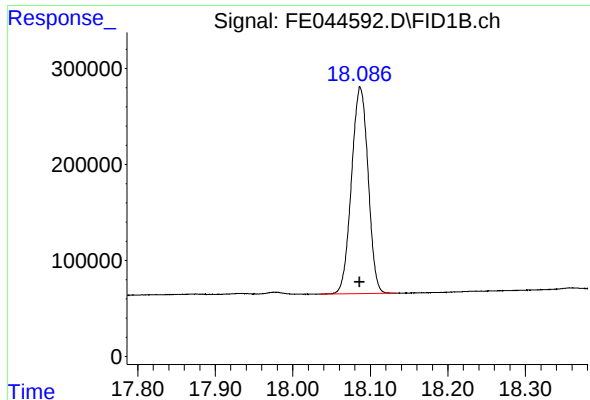
#15 n-Hexacosane (C26)

R.T.: 16.247 min
Delta R.T.: 0.001 min
Response: 2810064
Conc: 19.10 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.197 min
Delta R.T.: 0.000 min
Response: 2873859
Conc: 20.04 ug/ml



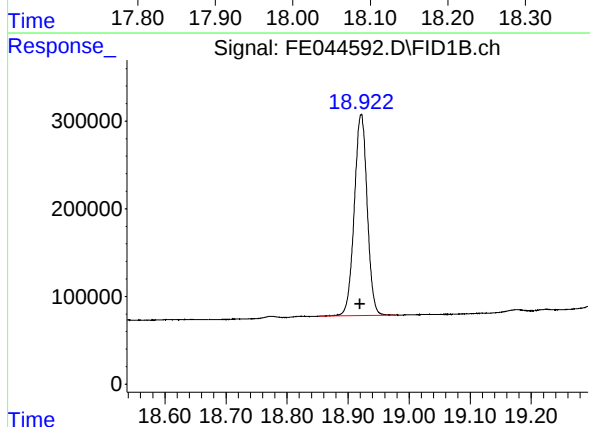
#17 n-Tricontane (C30)

R.T.: 18.087 min
Delta R.T.: 0.000 min
Response: 3198891
Conc: 21.58 ug/ml

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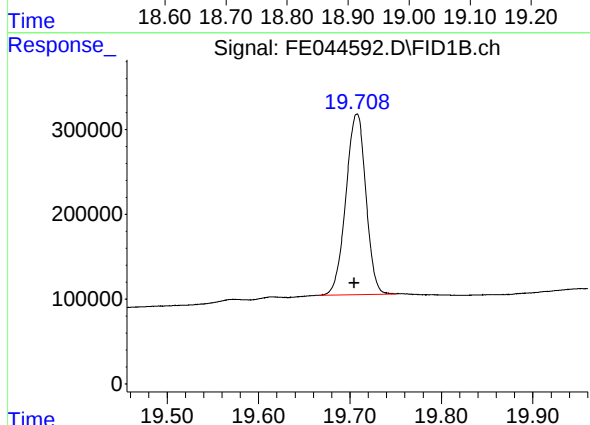
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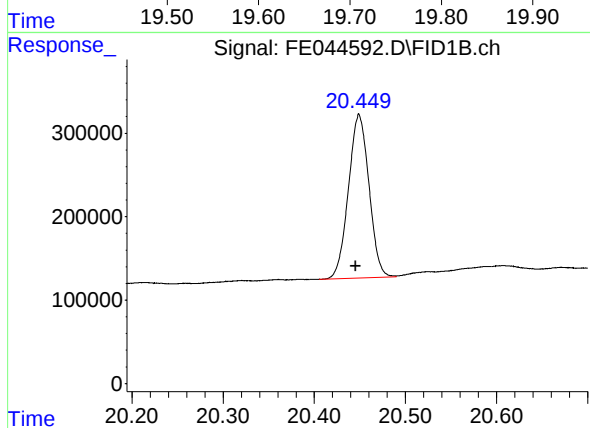
#18 n-Dotriacontane (C32)

R.T.: 18.922 min
Delta R.T.: 0.002 min
Response: 3372963
Conc: 22.78 ug/ml m



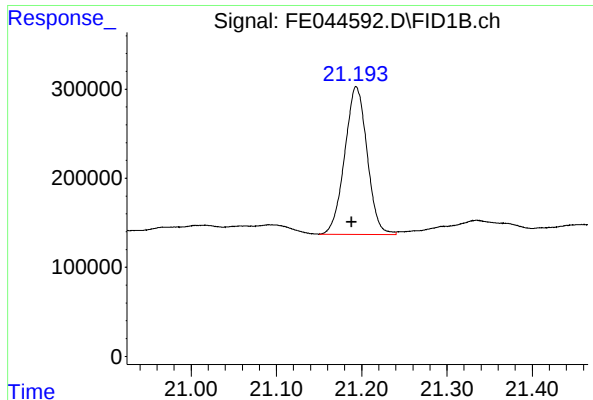
#19 n-Tetatriacontane (C34)

R.T.: 19.708 min
Delta R.T.: 0.003 min
Response: 3246687
Conc: 22.22 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.449 min
Delta R.T.: 0.004 min
Response: 3071577
Conc: 21.18 ug/ml



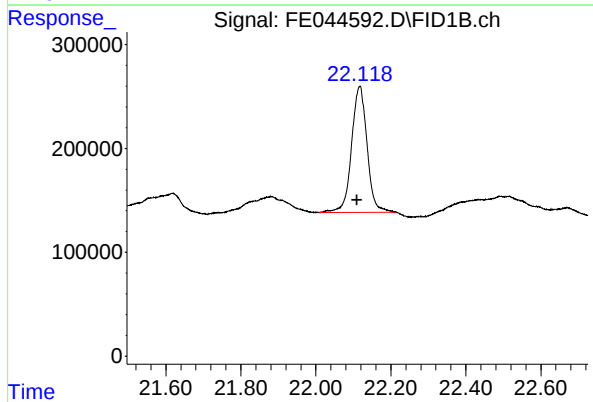
#21 n-Octatriacontane (C38)

R.T.: 21.194 min
Delta R.T.: 0.005 min
Response: 3023152
Conc: 20.18 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.118 min
Delta R.T.: 0.009 min
Response: 3492523
Conc: 22.13 ug/ml m