

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090723AL\
 Data File : FE044143.D
 Signal(s) : FID1B.ch
 Acq On : 08 Sep 2023 01:48
 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 09/08/2023
 Supervised By :Ankita Jodhani 09/08/2023

Integration File: autoint1.e
 Quant Time: Sep 08 03:09:21 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 083023.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 31 03:37:37 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)	11.934	3941218	20.803 ug/ml
Spiked Amount 50.000		Recovery =	41.61%
12) S 1-chlorooctadecane (S...	13.373	2973990	21.528 ug/ml
Spiked Amount 50.000		Recovery =	43.06%
Target Compounds			
1) T n-Nonane (C9)	3.321	3249027	19.916 ug/ml
2) T n-Decane (C10)	4.573	3310736	19.919 ug/ml
3) T A~Naphthalene (C11.7)	6.274	3589924	20.048 ug/ml
4) T n-Dodecane (C12)	6.737	3360259	19.981 ug/ml
5) T A~2-methylnaphthalene...	7.369	3503802	20.438 ug/ml
6) T n-Tetradecane (C14)	8.564	3369110	20.089 ug/ml
7) T n-Hexadecane (C16)	10.172	3430442	19.848 ug/ml
8) T n-Octadecane (C18)	11.617	3435130	19.734 ug/ml
10) T n-Eicosane (C20)	12.928	3329391	20.128 ug/ml
11) T n-Heneicosane (C21)	13.541	3261792	20.165 ug/ml
13) T n-Docosane (C22)	14.128	3236381	20.258 ug/ml
14) T n-Tetracosane (C24)	15.232	3191898	20.411 ug/ml
15) T n-Hexacosane (C26)	16.253	3090549	20.500 ug/ml
16) T n-Octacosane (C28)	17.204	3038295	21.054 ug/ml
17) T n-Tricontane (C30)	18.092	3137067	21.593 ug/ml
18) T n-Dotriacontane (C32)	18.926	3142314	22.060 ug/ml
19) T n-Tetratriacontane (C34)	19.710	2999510	21.434 ug/mlm
20) T n-Hexatriacontane (C36)	20.453	2903777	21.181 ug/ml
21) T n-Octatriacontane (C38)	21.196	2903287	20.915 ug/ml
22) T n-Tetracontane (C40)	22.117	3056735	22.108 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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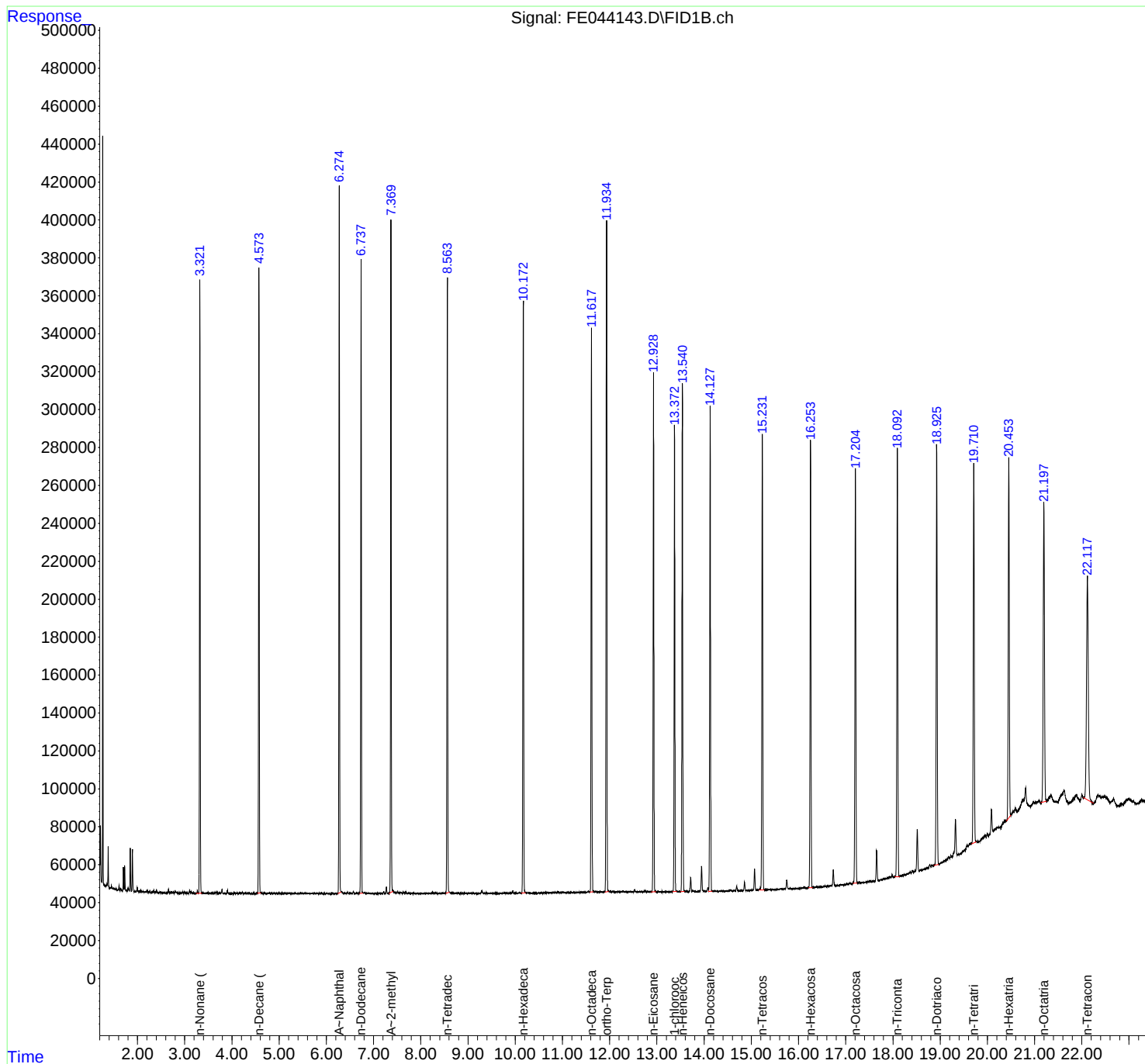
Instrument :
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20 PPM ALIPHATIC HC STD

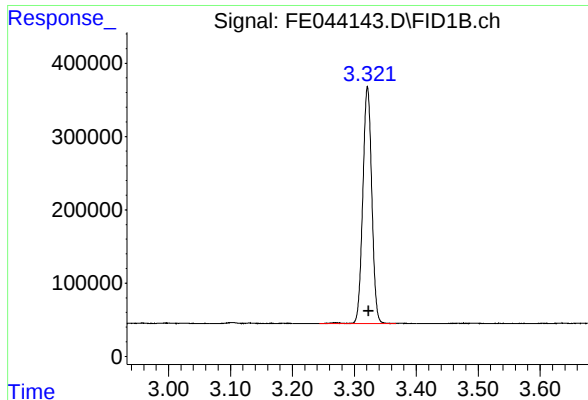
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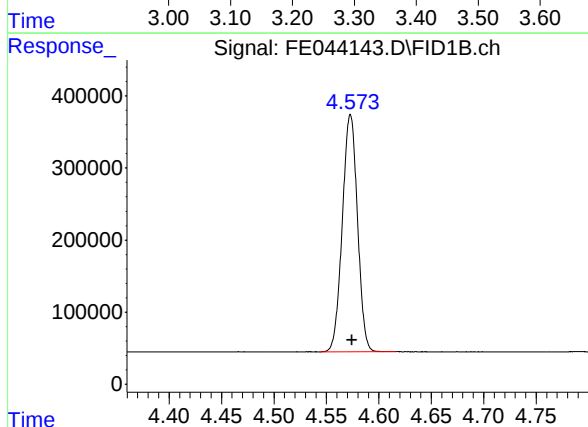
#1 n-Nonane (C9)

R.T.: 3.321 min
Delta R.T.: -0.002 min
Response: 3249027
Conc: 19.92 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

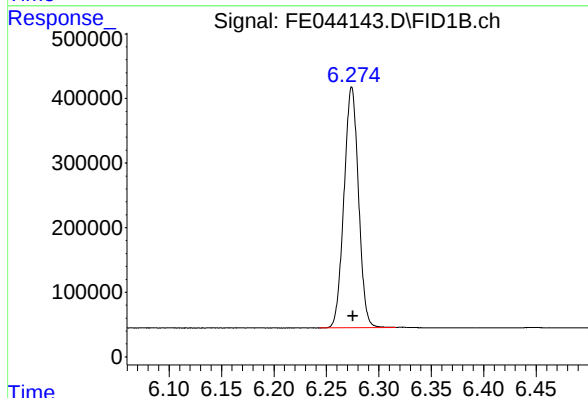
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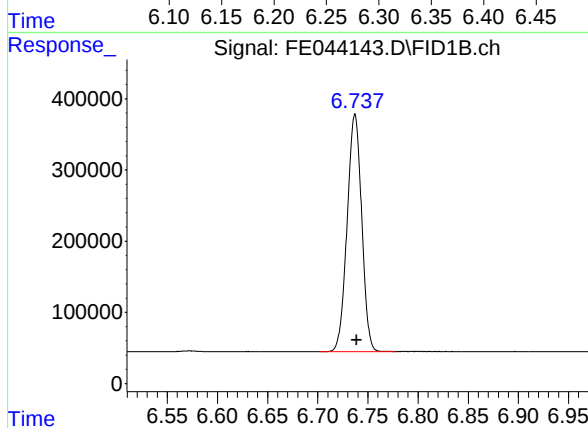
#2 n-Decane (C10)

R.T.: 4.573 min
Delta R.T.: -0.001 min
Response: 3310736
Conc: 19.92 ug/ml



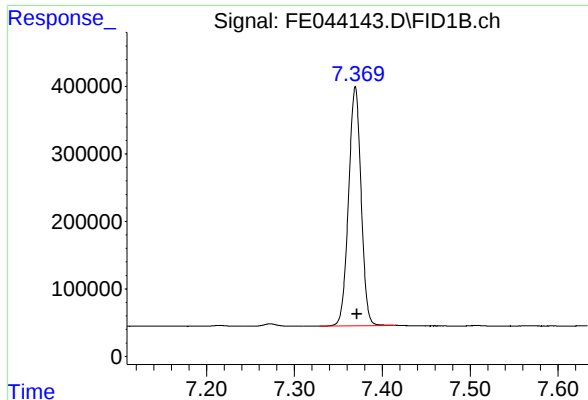
#3 A~Naphthalene (C11.7)

R.T.: 6.274 min
Delta R.T.: -0.001 min
Response: 3589924
Conc: 20.05 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.737 min
Delta R.T.: -0.002 min
Response: 3360259
Conc: 19.98 ug/ml



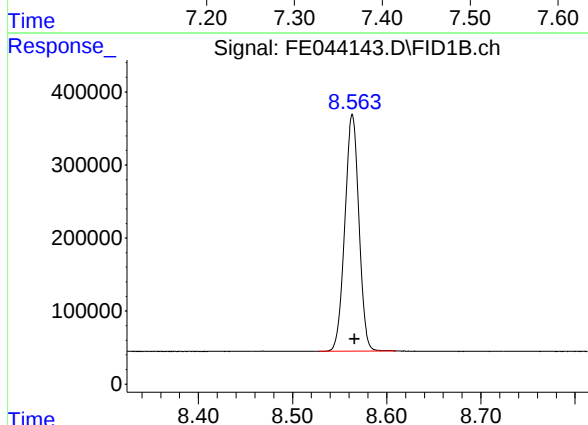
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.369 min
Delta R.T.: -0.002 min
Response: 3503802
Conc: 20.44 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

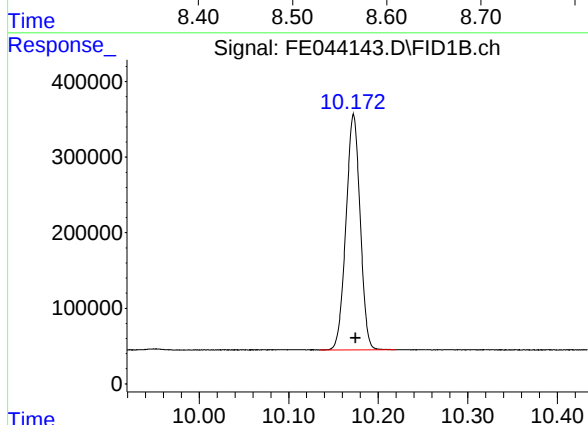
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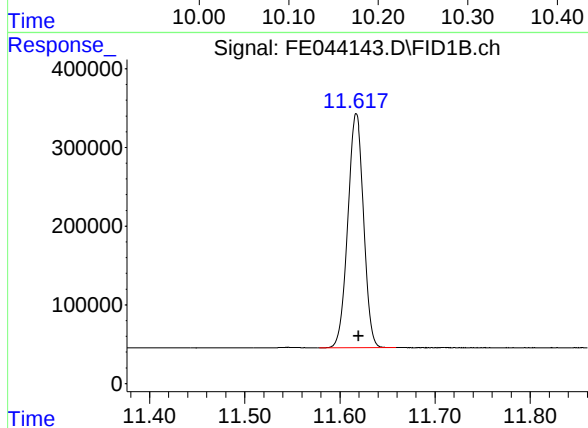
#6 n-Tetradecane (C14)

R.T.: 8.564 min
Delta R.T.: -0.002 min
Response: 3369110
Conc: 20.09 ug/ml



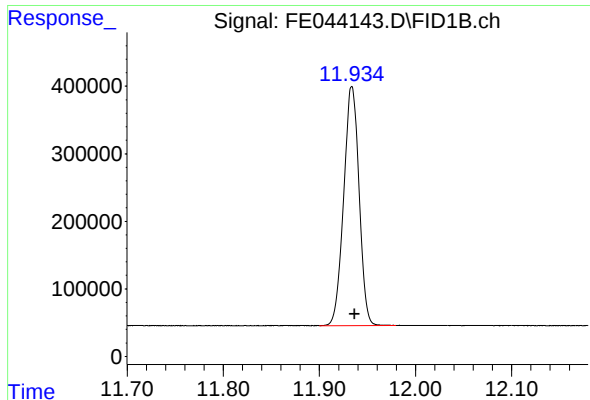
#7 n-Hexadecane (C16)

R.T.: 10.172 min
Delta R.T.: -0.002 min
Response: 3430442
Conc: 19.85 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.617 min
Delta R.T.: -0.002 min
Response: 3435130
Conc: 19.73 ug/ml



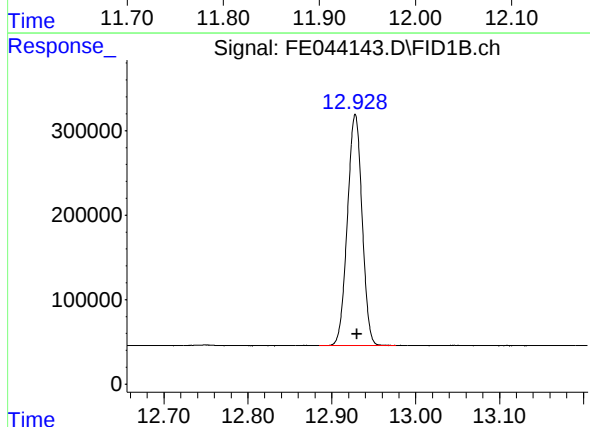
#9 ortho-Terphenyl (SURR)

R.T.: 11.934 min
Delta R.T.: -0.003 min
Response: 3941218
Conc: 20.80 ug/ml

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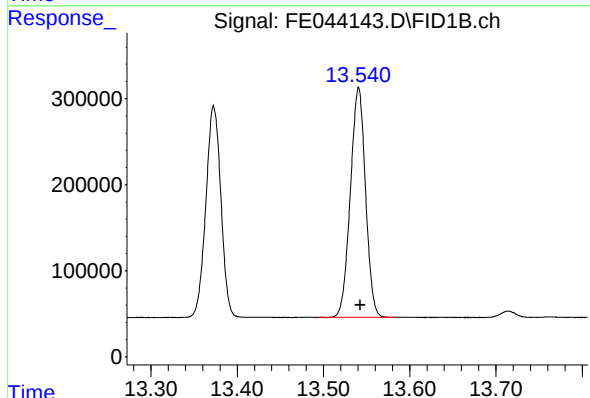
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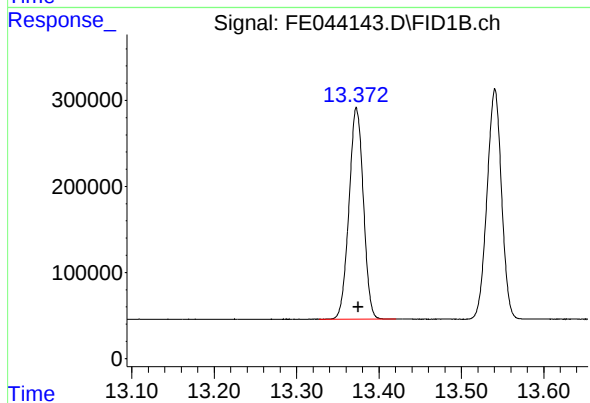
#10 n-Eicosane (C20)

R.T.: 12.928 min
Delta R.T.: -0.002 min
Response: 3329391
Conc: 20.13 ug/ml



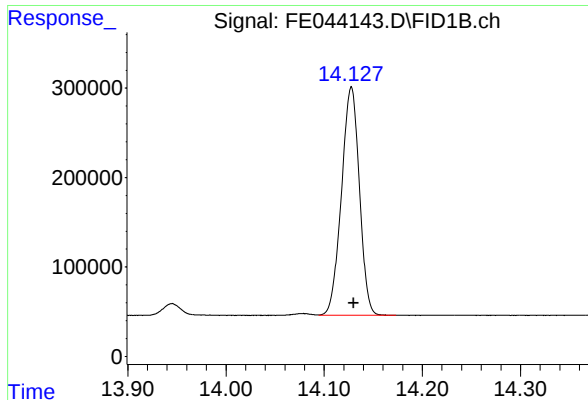
#11 n-Heneicosane (C21)

R.T.: 13.541 min
Delta R.T.: -0.002 min
Response: 3261792
Conc: 20.17 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.373 min
Delta R.T.: -0.002 min
Response: 2973990
Conc: 21.53 ug/ml



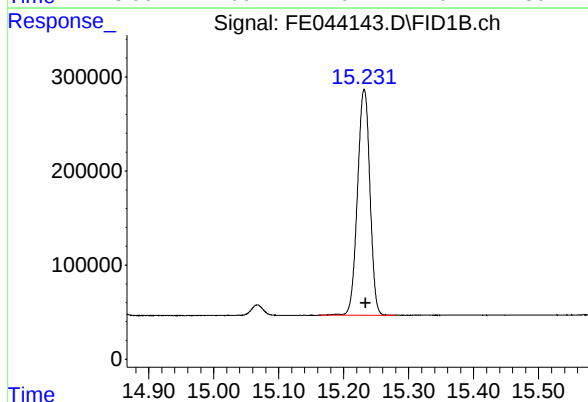
#13 n-Docosane (C22)

R.T.: 14.128 min
Delta R.T.: -0.002 min
Response: 3236381
Conc: 20.26 ug/ml

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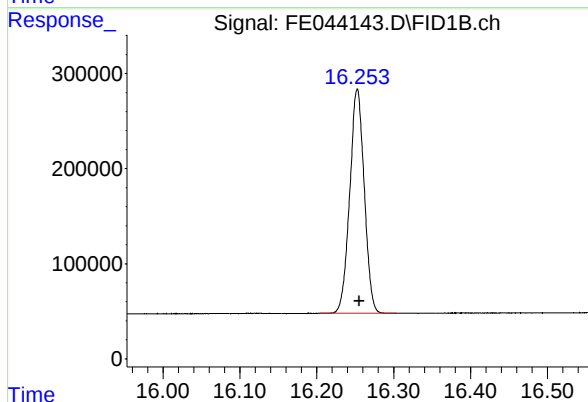
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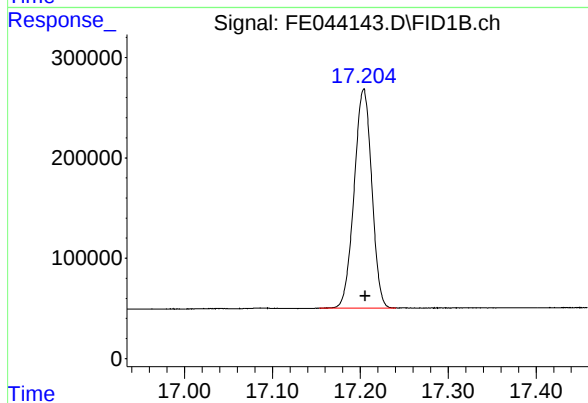
#14 n-Tetracosane (C24)

R.T.: 15.232 min
Delta R.T.: -0.002 min
Response: 3191898
Conc: 20.41 ug/ml



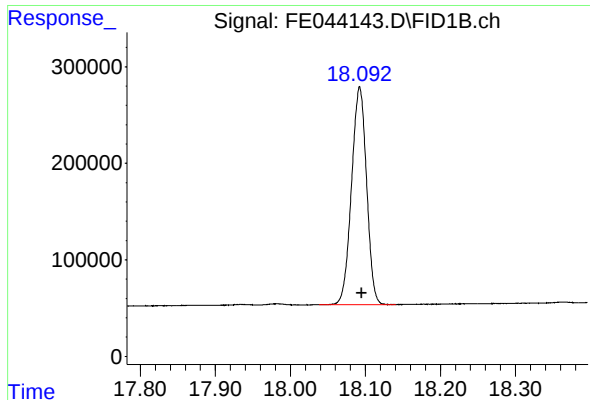
#15 n-Hexacosane (C26)

R.T.: 16.253 min
Delta R.T.: -0.003 min
Response: 3090549
Conc: 20.50 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.204 min
Delta R.T.: -0.002 min
Response: 3038295
Conc: 21.05 ug/ml



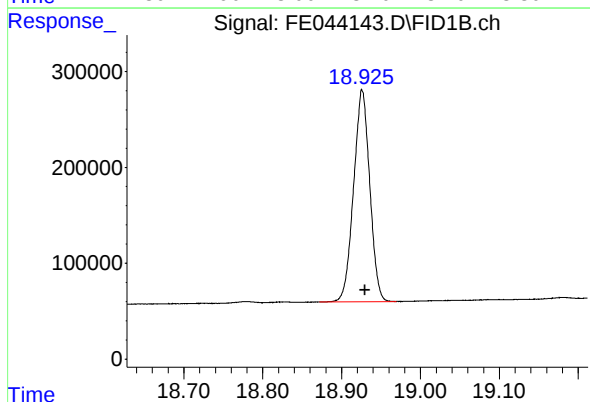
#17 n-Tricontane (C30)

R.T.: 18.092 min
Delta R.T.: -0.002 min
Response: 3137067
Conc: 21.59 ug/ml

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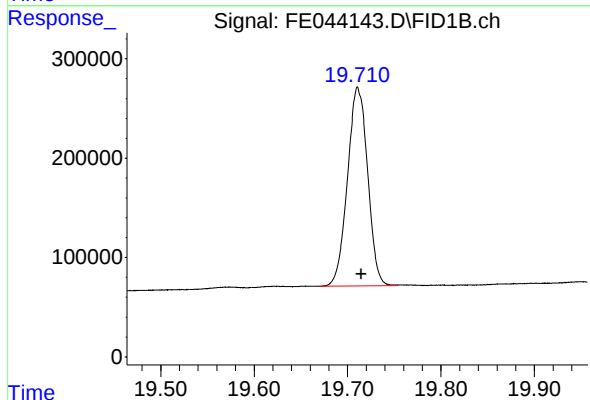
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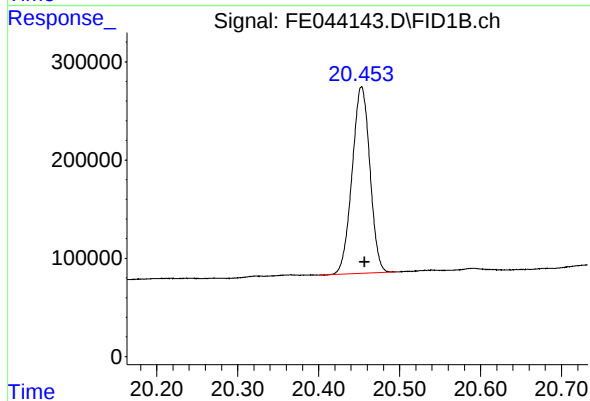
#18 n-Dotriacontane (C32)

R.T.: 18.926 min
Delta R.T.: -0.003 min
Response: 3142314
Conc: 22.06 ug/ml



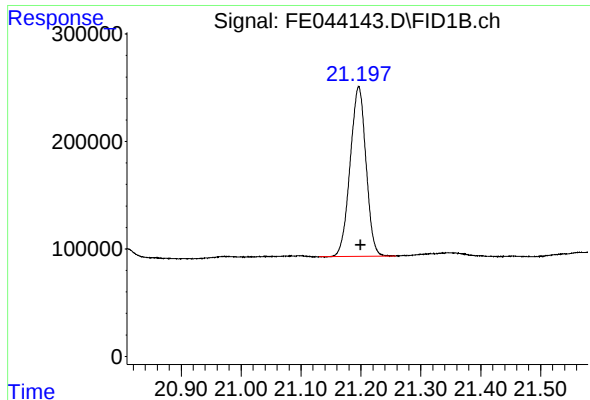
#19 n-Tetratriacontane (C34)

R.T.: 19.710 min
Delta R.T.: -0.004 min
Response: 2999510
Conc: 21.43 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.453 min
Delta R.T.: -0.004 min
Response: 2903777
Conc: 21.18 ug/ml



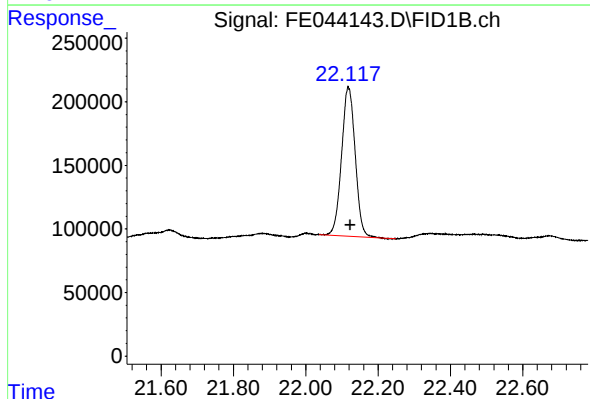
#21 n-Octatriacontane (C38)

R.T.: 21.196 min
Delta R.T.: -0.003 min
Response: 2903287
Conc: 20.91 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.117 min
Delta R.T.: -0.006 min
Response: 3056735
Conc: 22.11 ug/ml