

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091724AL\
 Data File : FE050162.D
 Signal(s) : FID1B.ch
 Acq On : 17 Sep 2024 21:46
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/18/2024
 Supervised By :Ankita Jodhani 09/18/2024

Integration File: autoint1.e
 Quant Time: Sep 18 01:29:08 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 09 17:11:47 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)	11.874	2825252	18.989 ug/ml
Spiked Amount 50.000		Recovery =	37.98%
12) S 1-chlorooctadecane (S...	13.308	2158210	19.214 ug/ml
Spiked Amount 50.000		Recovery =	38.43%
Target Compounds			
1) T n-Nonane (C9)	3.261	2576170	19.006 ug/mlm
2) T n-Decane (C10)	4.513	2644184	19.159 ug/ml
3) T A~Naphthalene (C11.7)	6.222	2693720	19.245 ug/ml
4) T n-Dodecane (C12)	6.680	2650082	19.164 ug/ml
5) T A~2-methylnaphthalene...	7.318	2530233	19.250 ug/ml
6) T n-Tetradecane (C14)	8.507	2612586	19.186 ug/ml
7) T n-Hexadecane (C16)	10.113	2675742	19.263 ug/ml
8) T n-Octadecane (C18)	11.554	2683082	19.151 ug/ml
10) T n-Eicosane (C20)	12.862	2562745	19.104 ug/ml
11) T n-Heneicosane (C21)	13.474	2519793	19.177 ug/ml
13) T n-Docosane (C22)	14.059	2491435	19.133 ug/ml
14) T n-Tetracosane (C24)	15.160	2503192	19.168 ug/ml
15) T n-Hexacosane (C26)	16.180	2459005	19.220 ug/ml
16) T n-Octacosane (C28)	17.129	2516003	19.533 ug/ml
17) T n-Tricontane (C30)	18.015	2711253	20.275 ug/ml
18) T n-Dotriacontane (C32)	18.847	2757499	20.693 ug/ml
19) T n-Tetratriacontane (C34)	19.630	2560088	20.719 ug/ml
20) T n-Hexatriacontane (C36)	20.369	2308710	20.809 ug/mlm
21) T n-Octatriacontane (C38)	21.096	2153616	19.529 ug/ml
22) T n-Tetracontane (C40)	21.985	1940724	17.835 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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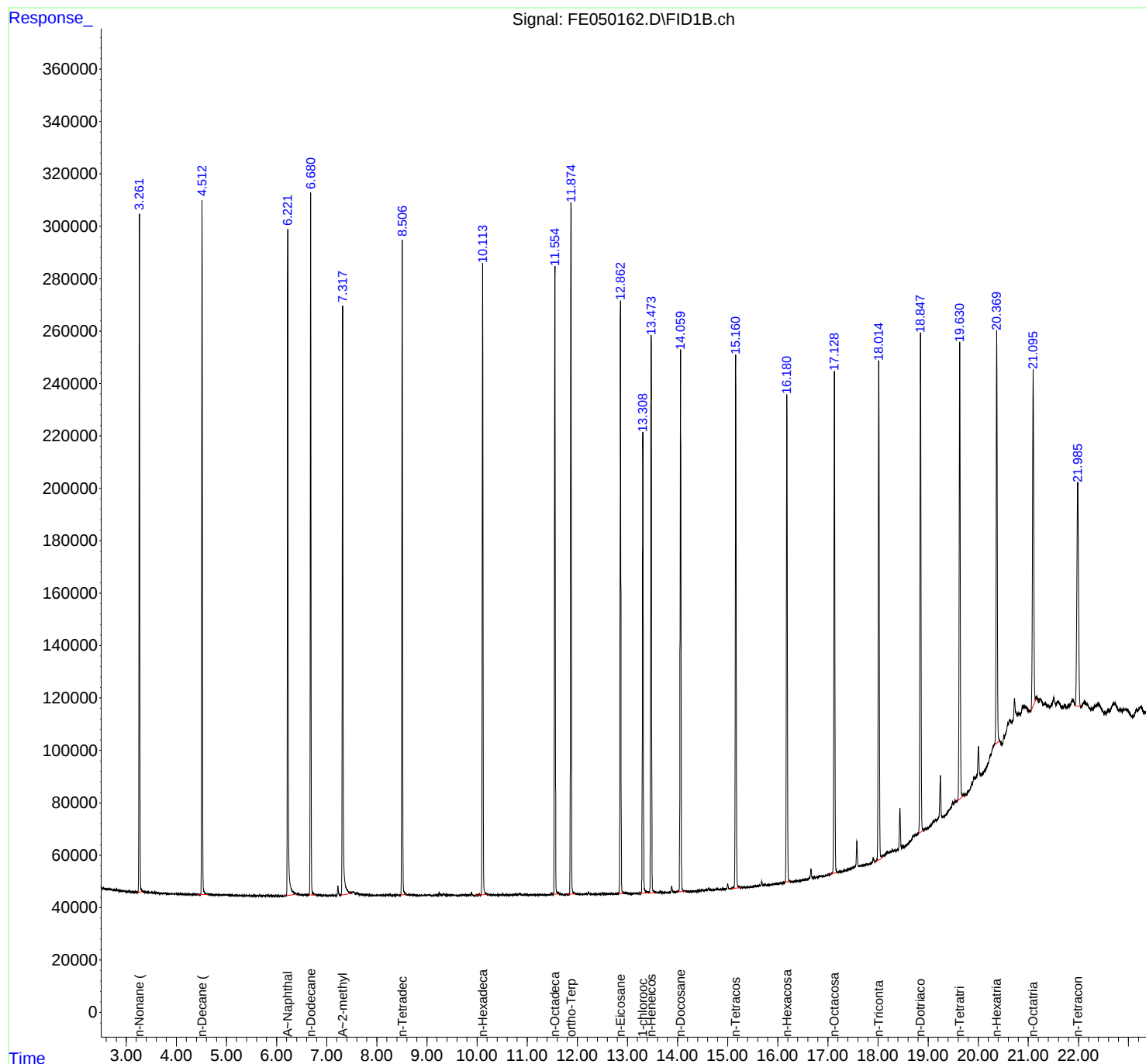
Instrument :
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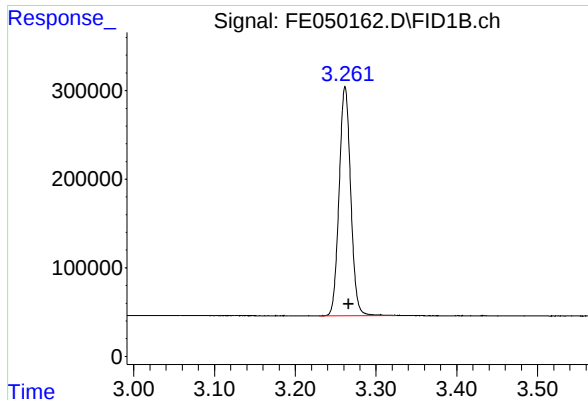
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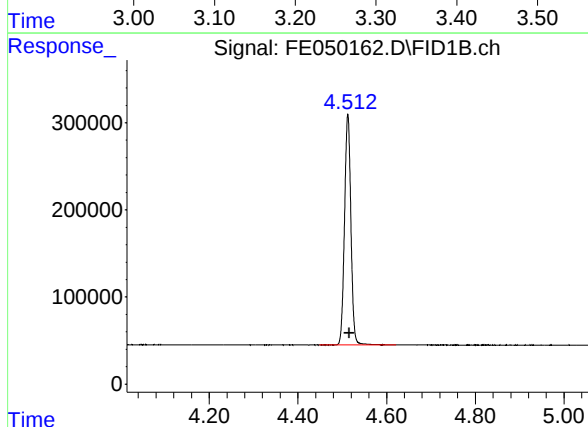
#1 n-Nonane (C9)

R.T.: 3.261 min
Delta R.T.: -0.005 min
Response: 2576170
Conc: 19.01 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

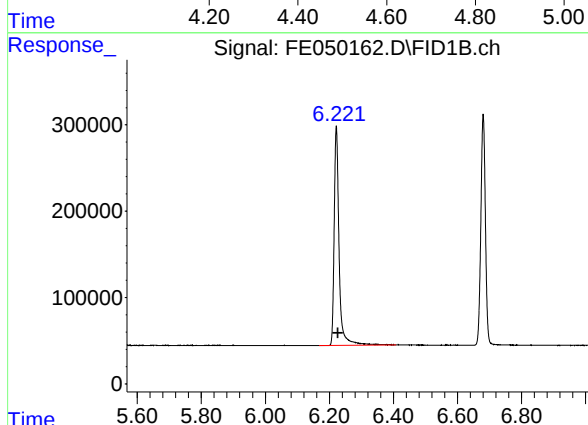
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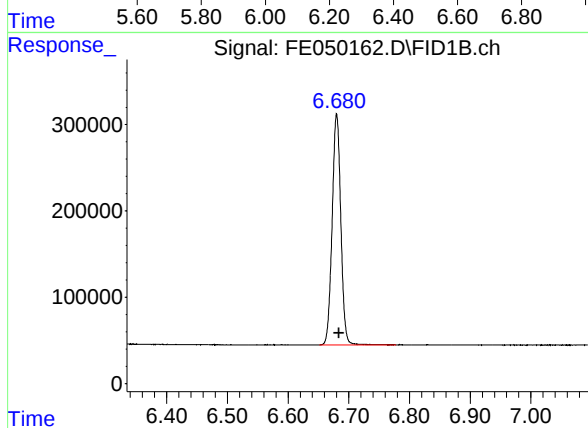
#2 n-Decane (C10)

R.T.: 4.513 min
Delta R.T.: -0.004 min
Response: 2644184
Conc: 19.16 ug/ml



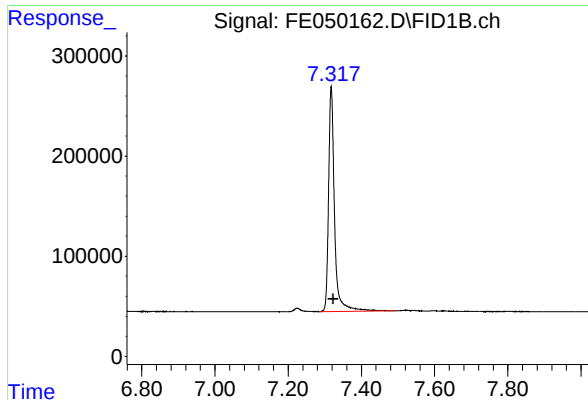
#3 A~Naphthalene (C11.7)

R.T.: 6.222 min
Delta R.T.: -0.005 min
Response: 2693720
Conc: 19.25 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.680 min
Delta R.T.: -0.004 min
Response: 2650082
Conc: 19.16 ug/ml



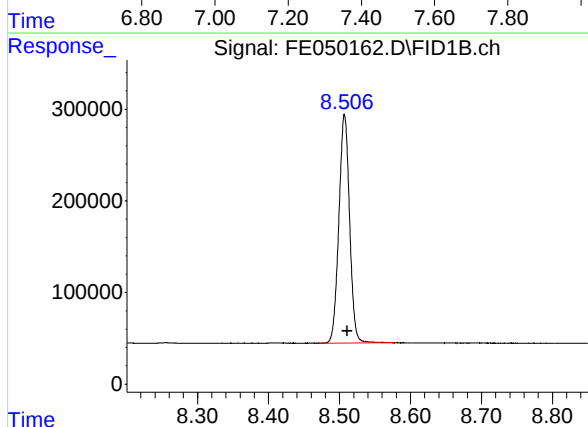
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.318 min
Delta R.T.: -0.005 min
Response: 2530233
Conc: 19.25 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

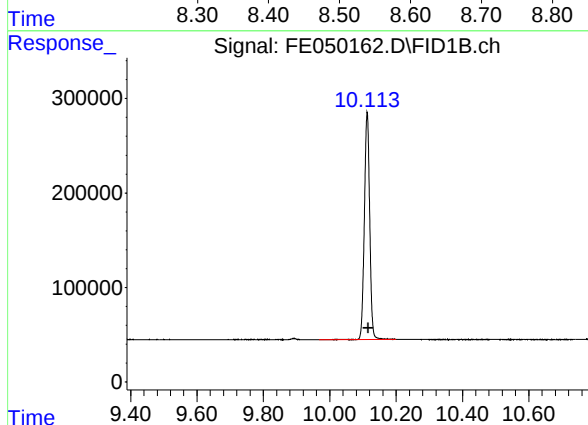
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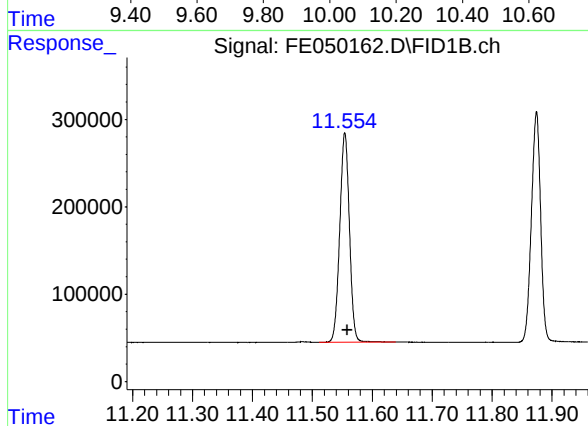
#6 n-Tetradecane (C14)

R.T.: 8.507 min
Delta R.T.: -0.004 min
Response: 2612586
Conc: 19.19 ug/ml



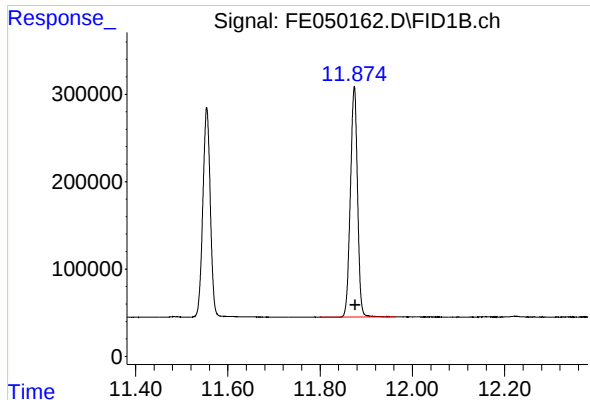
#7 n-Hexadecane (C16)

R.T.: 10.113 min
Delta R.T.: -0.004 min
Response: 2675742
Conc: 19.26 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.554 min
Delta R.T.: -0.004 min
Response: 2683082
Conc: 19.15 ug/ml



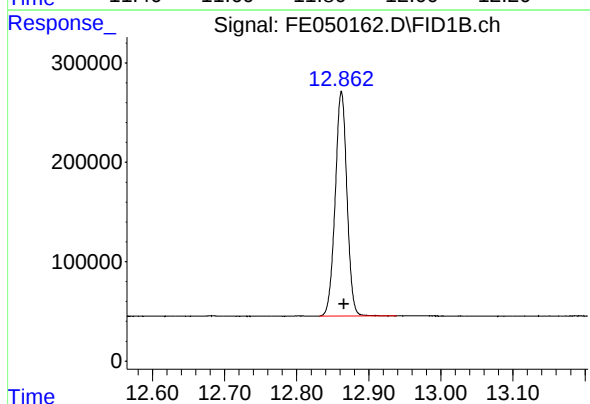
#9 ortho-Terphenyl (SURR)

R.T.: 11.874 min
Delta R.T.: -0.002 min
Response: 2825252
Conc: 18.99 ug/ml

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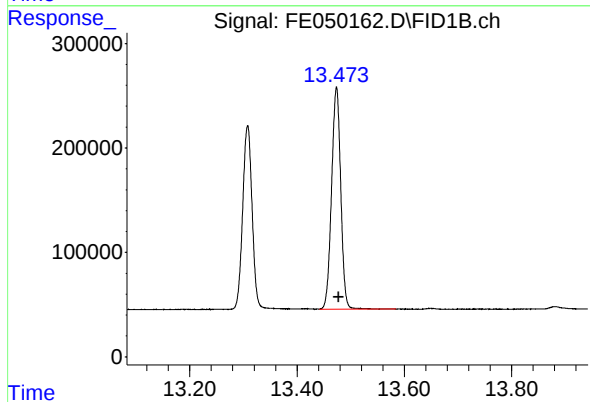
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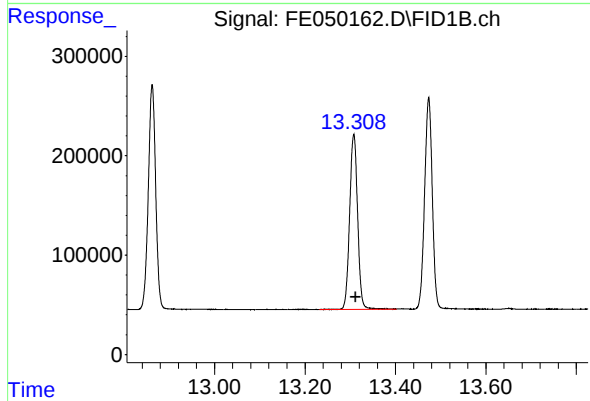
#10 n-Eicosane (C20)

R.T.: 12.862 min
Delta R.T.: -0.004 min
Response: 2562745
Conc: 19.10 ug/ml



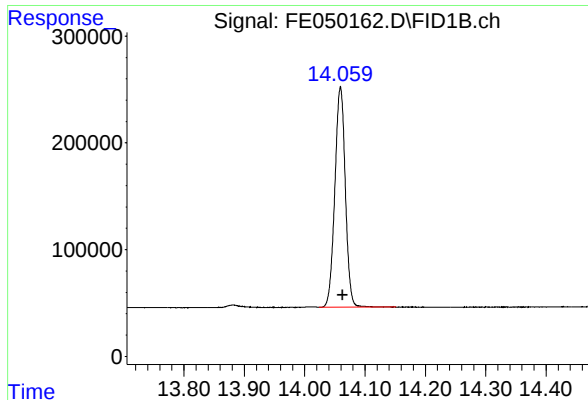
#11 n-Heneicosane (C21)

R.T.: 13.474 min
Delta R.T.: -0.004 min
Response: 2519793
Conc: 19.18 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.308 min
Delta R.T.: -0.004 min
Response: 2158210
Conc: 19.21 ug/ml



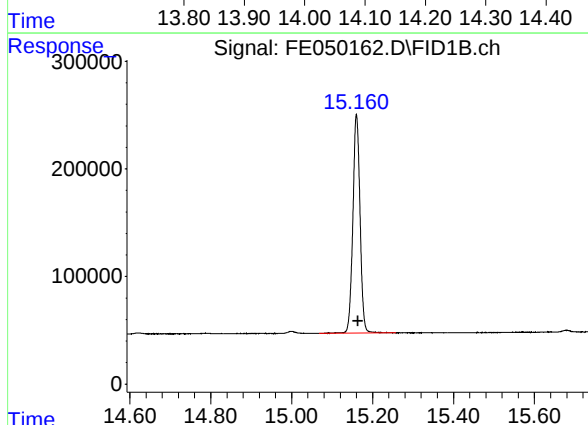
#13 n-Docosane (C22)

R.T.: 14.059 min
Delta R.T.: -0.004 min
Response: 2491435
Conc: 19.13 ug/ml

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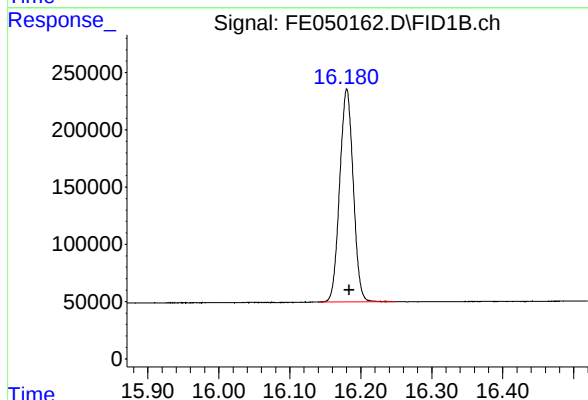
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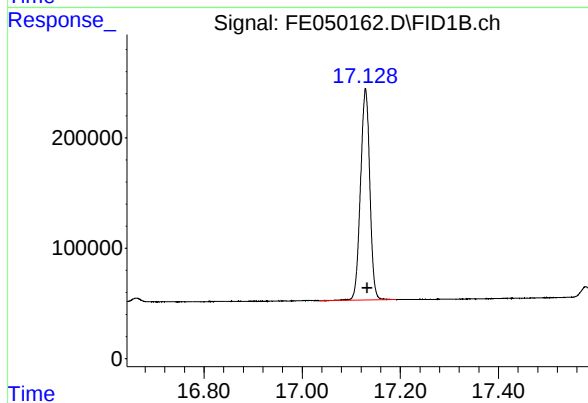
#14 n-Tetracosane (C24)

R.T.: 15.160 min
Delta R.T.: -0.004 min
Response: 2503192
Conc: 19.17 ug/ml



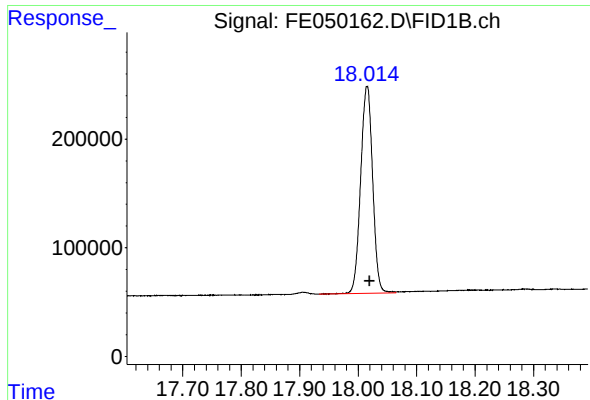
#15 n-Hexacosane (C26)

R.T.: 16.180 min
Delta R.T.: -0.003 min
Response: 2459005
Conc: 19.22 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.129 min
Delta R.T.: -0.004 min
Response: 2516003
Conc: 19.53 ug/ml



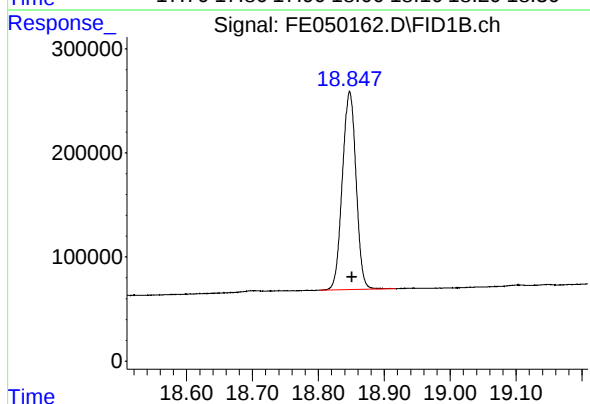
#17 n-Tricontane (C30)

R.T.: 18.015 min
Delta R.T.: -0.005 min
Response: 2711253
Conc: 20.28 ug/ml

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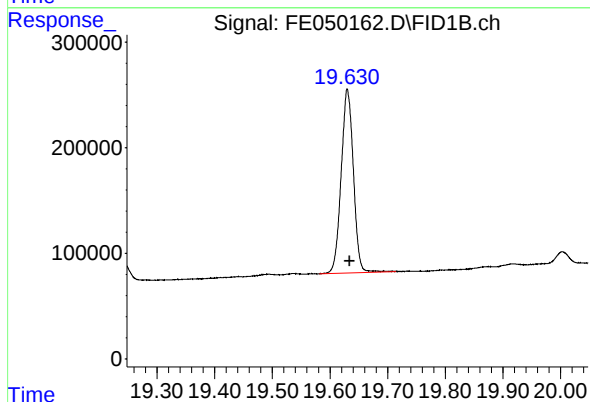
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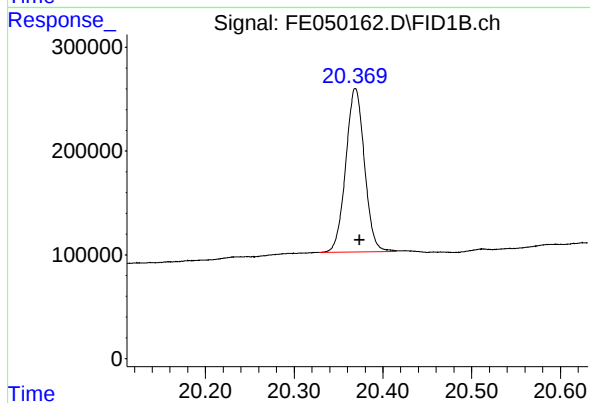
#18 n-Dotriacontane (C32)

R.T.: 18.847 min
Delta R.T.: -0.004 min
Response: 2757499
Conc: 20.69 ug/ml



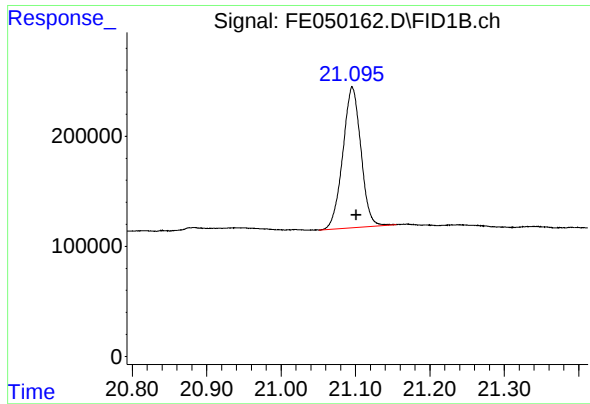
#19 n-Tetratriacontane (C34)

R.T.: 19.630 min
Delta R.T.: -0.003 min
Response: 2560088
Conc: 20.72 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.369 min
Delta R.T.: -0.005 min
Response: 2308710
Conc: 20.81 ug/ml m



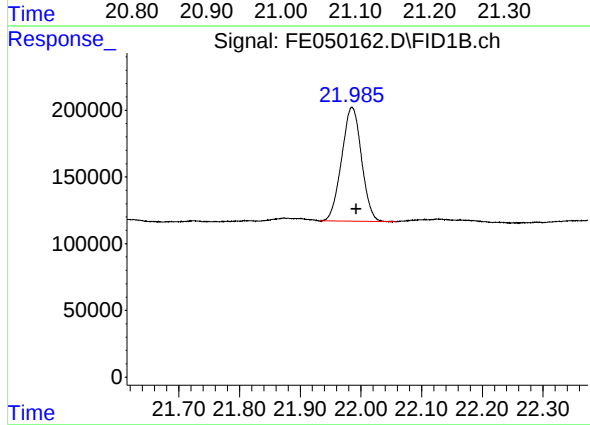
#21 n-Octatriacontane (C38)

R.T.: 21.096 min
Delta R.T.: -0.005 min
Response: 2153616
Conc: 19.53 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.985 min
Delta R.T.: -0.007 min
Response: 1940724
Conc: 17.84 ug/ml