

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061024AL\
 Data File : FE048618.D
 Signal(s) : FID1B.ch
 Acq On : 10 Jun 2024 09:50
 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 06/11/2024
 Supervised By :Ankita Jodhani 06/11/2024

Integration File: autoint1.e
 Quant Time: Jun 10 23:26:57 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 052524.M
 Quant Title : GC Extractables
 QLast Update : Fri May 24 16:28:51 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)	11.944	2479867	17.270 ug/ml
Spiked Amount 50.000		Recovery =	34.54%
12) S 1-chlorooctadecane (S...	13.379	1818262	16.690 ug/ml
Spiked Amount 50.000		Recovery =	33.38%
Target Compounds			
1) T n-Nonane (C9)	3.332	2331474	15.595 ug/ml
2) T n-Decane (C10)	4.581	2483293	16.445 ug/ml
3) T A~Naphthalene (C11.7)	6.287	2463019	16.542 ug/ml
4) T n-Dodecane (C12)	6.747	2487452	16.804 ug/ml
5) T A~2-methylnaphthalene...	7.383	2351498	16.959 ug/ml
6) T n-Tetradecane (C14)	8.575	2426474	17.108 ug/ml
7) T n-Hexadecane (C16)	10.182	2459059	17.443 ug/ml
8) T n-Octadecane (C18)	11.625	2427666	17.480 ug/ml
10) T n-Eicosane (C20)	12.934	2295463	17.346 ug/ml
11) T n-Heneicosane (C21)	13.546	2231926	17.231 ug/ml
13) T n-Docosane (C22)	14.132	2225495	17.270 ug/ml
14) T n-Tetracosane (C24)	15.235	2287570	17.658 ug/ml
15) T n-Hexacosane (C26)	16.255	2269757	17.513 ug/ml
16) T n-Octacosane (C28)	17.204	2367800	18.319 ug/ml
17) T n-Tricontane (C30)	18.091	2605873	19.452 ug/ml
18) T n-Dotriacontane (C32)	18.923	2755937	20.303 ug/ml
19) T n-Tetratriacontane (C34)	19.704	2696481	19.711 ug/mlm
20) T n-Hexatriacontane (C36)	20.445	2527578	18.594 ug/ml
21) T n-Octatriacontane (C38)	21.183	2390311	17.528 ug/ml
22) T n-Tetracontane (C40)	22.102	2277420	16.633 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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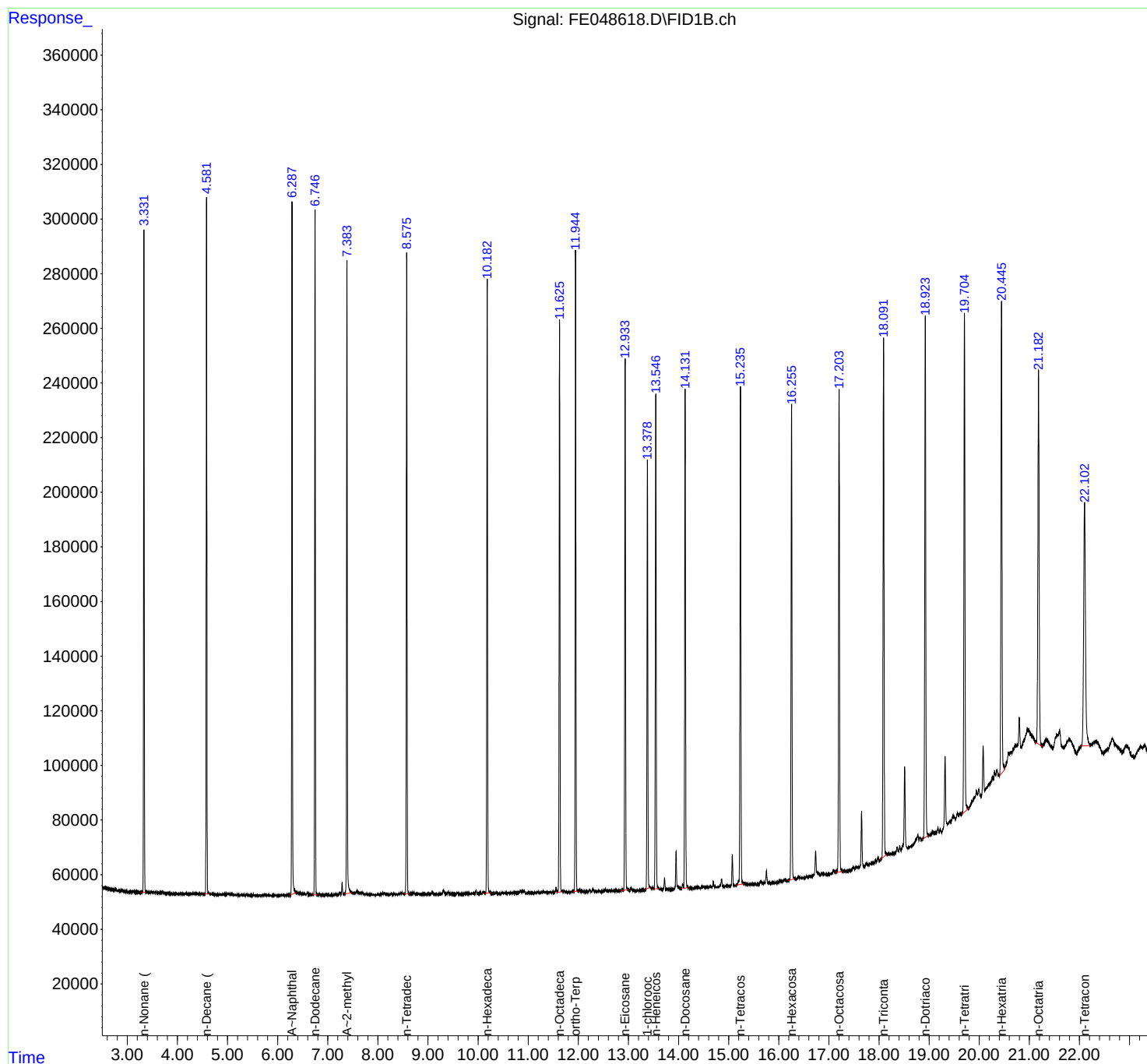
Instrument :
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20 PPM ALIPHATIC HC STD

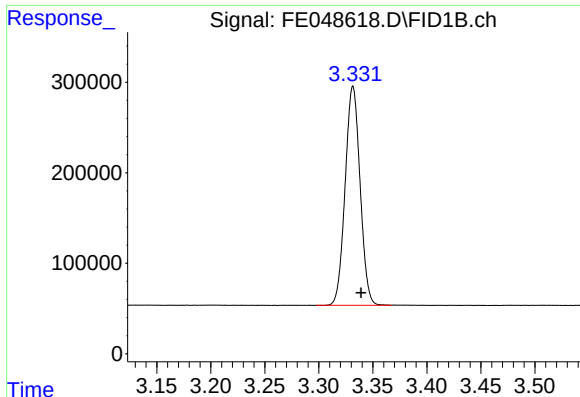
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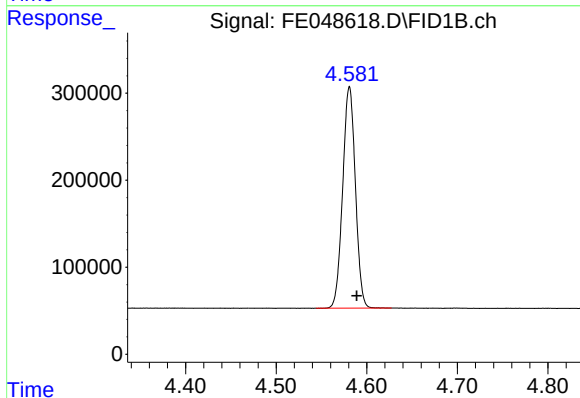
#1 n-Nonane (C9)

R.T.: 3.332 min
Delta R.T.: -0.007 min
Response: 2331474
Conc: 15.59 ug/ml

Instrument :
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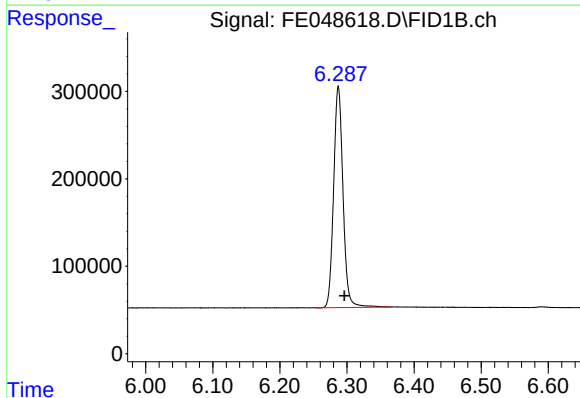
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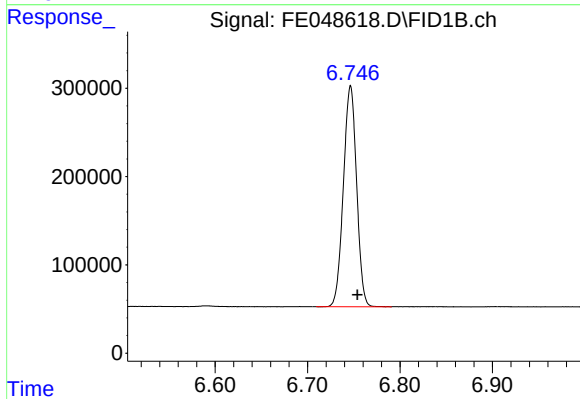
#2 n-Decane (C10)

R.T.: 4.581 min
Delta R.T.: -0.008 min
Response: 2483293
Conc: 16.45 ug/ml



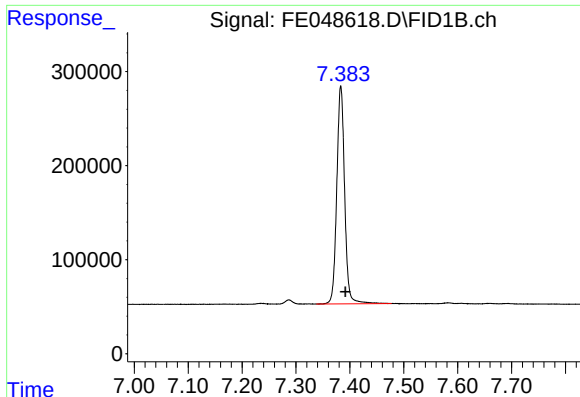
#3 A~Naphthalene (C11.7)

R.T.: 6.287 min
Delta R.T.: -0.009 min
Response: 2463019
Conc: 16.54 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.747 min
Delta R.T.: -0.008 min
Response: 2487452
Conc: 16.80 ug/ml



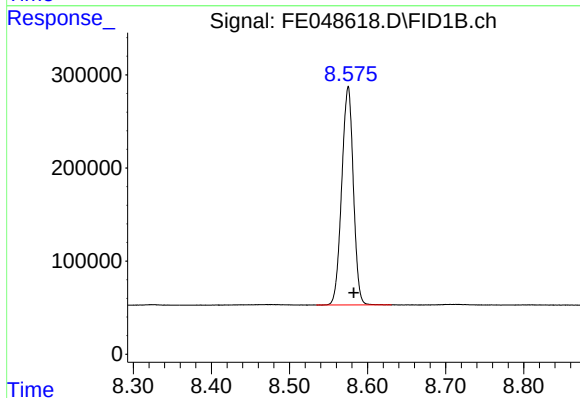
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.383 min
Delta R.T.: -0.008 min
Response: 2351498
Conc: 16.96 ug/ml

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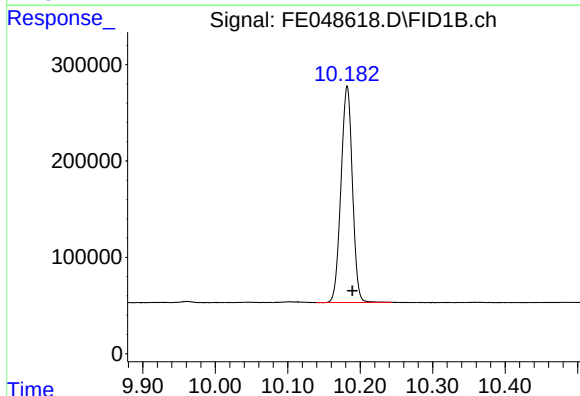
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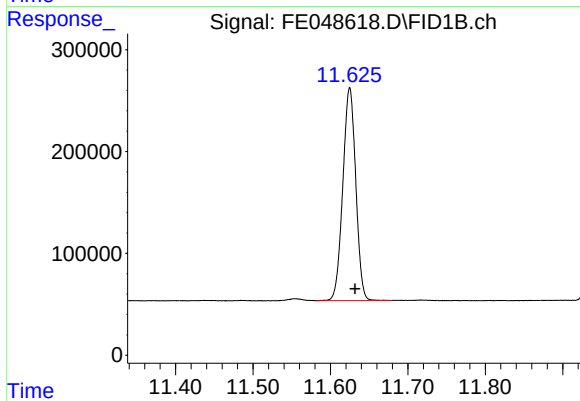
#6 n-Tetradecane (C14)

R.T.: 8.575 min
Delta R.T.: -0.007 min
Response: 2426474
Conc: 17.11 ug/ml



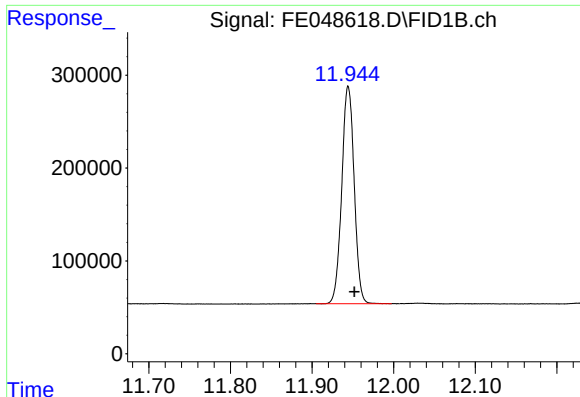
#7 n-Hexadecane (C16)

R.T.: 10.182 min
Delta R.T.: -0.007 min
Response: 2459059
Conc: 17.44 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.625 min
Delta R.T.: -0.007 min
Response: 2427666
Conc: 17.48 ug/ml



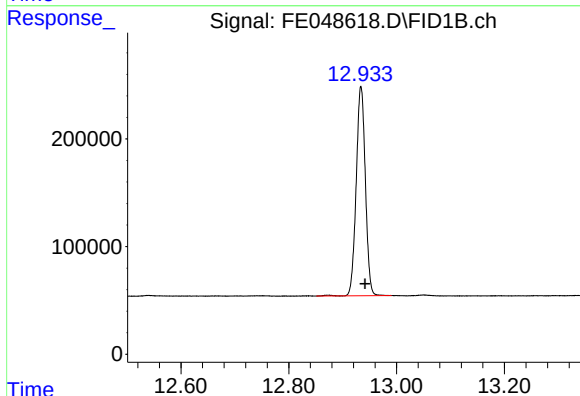
#9 ortho-Terphenyl (SURR)

R.T.: 11.944 min
Delta R.T.: -0.008 min
Response: 2479867
Conc: 17.27 ug/ml

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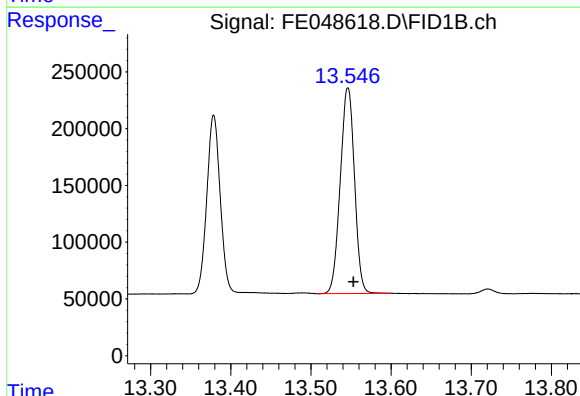
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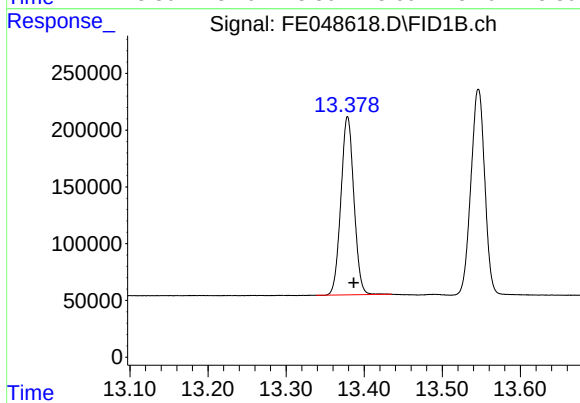
#10 n-Eicosane (C20)

R.T.: 12.934 min
Delta R.T.: -0.008 min
Response: 2295463
Conc: 17.35 ug/ml



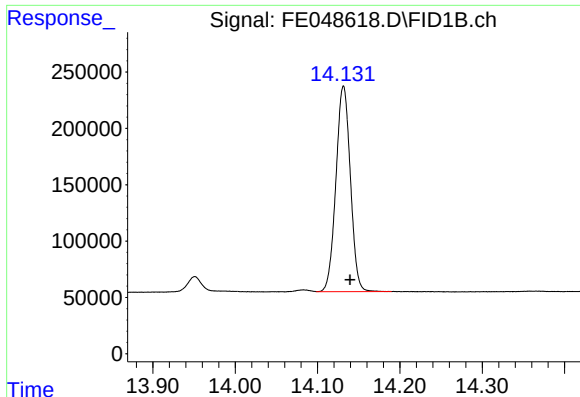
#11 n-Heneicosane (C21)

R.T.: 13.546 min
Delta R.T.: -0.007 min
Response: 2231926
Conc: 17.23 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.379 min
Delta R.T.: -0.008 min
Response: 1818262
Conc: 16.69 ug/ml



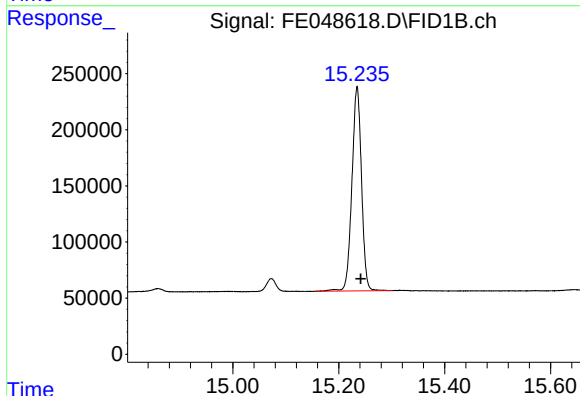
#13 n-Docosane (C22)

R.T.: 14.132 min
Delta R.T.: -0.008 min
Response: 2225495
Conc: 17.27 ug/ml

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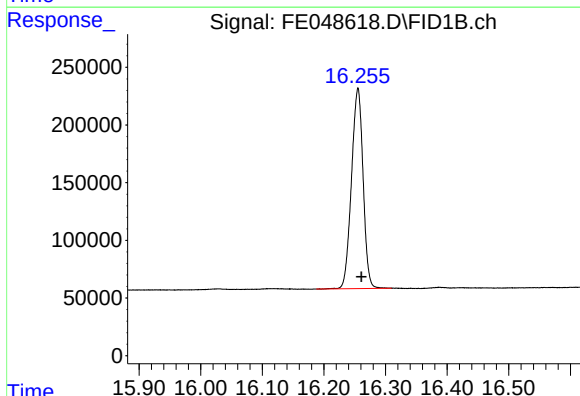
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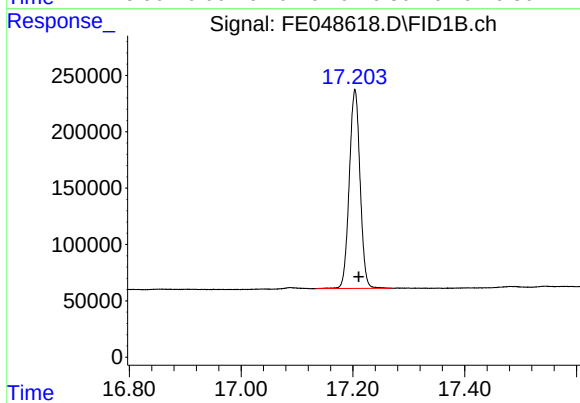
#14 n-Tetracosane (C24)

R.T.: 15.235 min
Delta R.T.: -0.007 min
Response: 2287570
Conc: 17.66 ug/ml



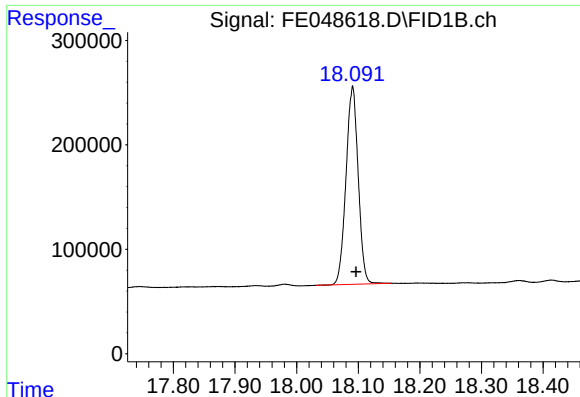
#15 n-Hexacosane (C26)

R.T.: 16.255 min
Delta R.T.: -0.005 min
Response: 2269757
Conc: 17.51 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.204 min
Delta R.T.: -0.006 min
Response: 2367800
Conc: 18.32 ug/ml



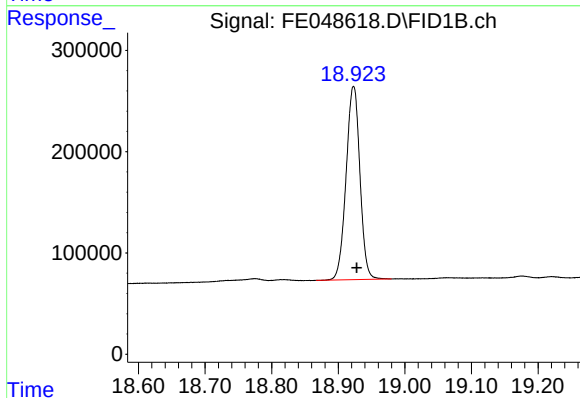
#17 n-Tricontane (C30)

R.T.: 18.091 min
Delta R.T.: -0.005 min
Response: 2605873
Conc: 19.45 ug/ml

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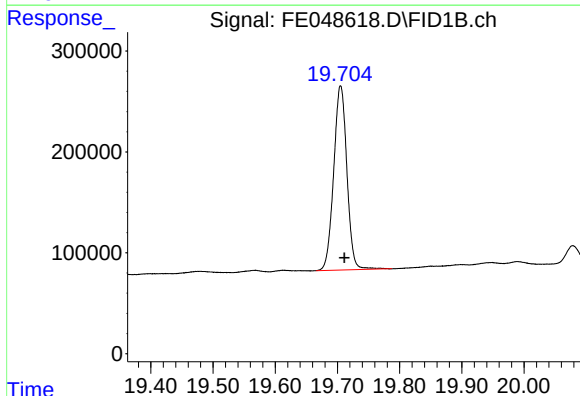
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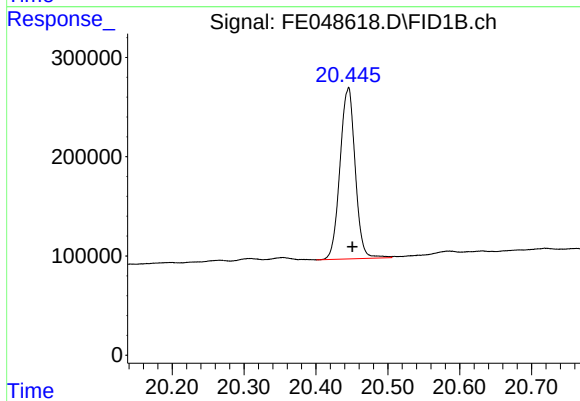
#18 n-Dotriacontane (C32)

R.T.: 18.923 min
Delta R.T.: -0.005 min
Response: 2755937
Conc: 20.30 ug/ml



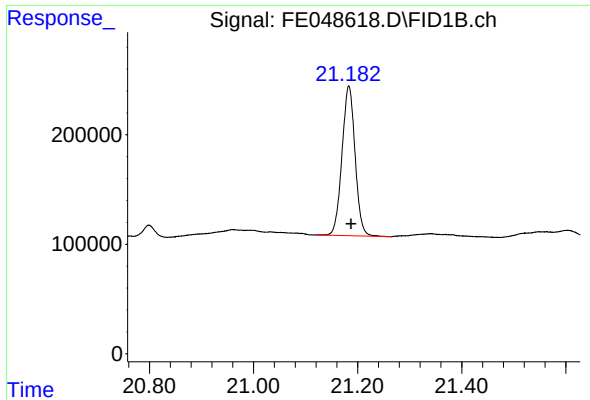
#19 n-Tetratriacontane (C34)

R.T.: 19.704 min
Delta R.T.: -0.007 min
Response: 2696481
Conc: 19.71 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.445 min
Delta R.T.: -0.005 min
Response: 2527578
Conc: 18.59 ug/ml



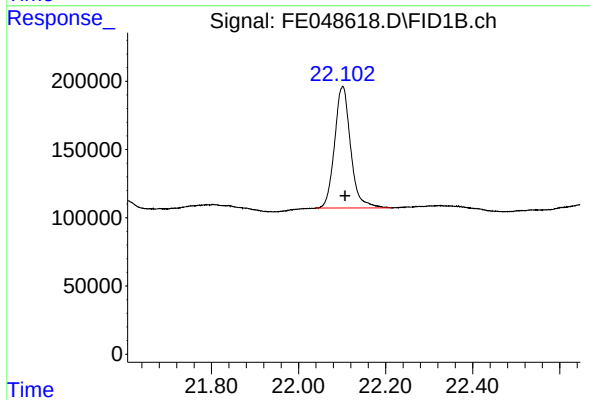
#21 n-Octatriacontane (C38)

R.T.: 21.183 min
Delta R.T.: -0.005 min
Response: 2390311
Conc: 17.53 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.102 min
Delta R.T.: -0.006 min
Response: 2277420
Conc: 16.63 ug/ml