

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE083124AL\
 Data File : FE049880.D
 Signal(s) : FID1B.ch
 Acq On : 31 Aug 2024 09:29
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/03/2024
 Supervised By :Ankita Jodhani 09/03/2024

Integration File: autoint1.e
 Quant Time: Sep 02 01:03:31 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 081424.M
 Quant Title : GC Extractables
 QLast Update : Wed Aug 14 11:05:17 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)	11.878	2771953	17.141 ug/ml
Spiked Amount 50.000		Recovery =	34.28%
12) S 1-chlorooctadecane (S...	13.313	2128491	17.446 ug/ml
Spiked Amount 50.000		Recovery =	34.89%
Target Compounds			
1) T n-Nonane (C9)	3.268	2583026	16.691 ug/ml
2) T n-Decane (C10)	4.518	2647923	16.771 ug/mlm
3) T A~Naphthalene (C11.7)	6.226	2696001	16.802 ug/ml
4) T n-Dodecane (C12)	6.686	2653403	16.878 ug/ml
5) T A~2-methylnaphthalene...	7.322	2548538	17.018 ug/ml
6) T n-Tetradecane (C14)	8.512	2614539	16.936 ug/ml
7) T n-Hexadecane (C16)	10.118	2682883	17.178 ug/ml
8) T n-Octadecane (C18)	11.560	2711467	17.265 ug/ml
10) T n-Eicosane (C20)	12.867	2602532	17.431 ug/ml
11) T n-Heneicosane (C21)	13.478	2547058	17.363 ug/ml
13) T n-Docosane (C22)	14.063	2553242	17.518 ug/mlm
14) T n-Tetracosane (C24)	15.165	2611977	17.956 ug/ml
15) T n-Hexacosane (C26)	16.185	2599179	18.009 ug/ml
16) T n-Octacosane (C28)	17.134	2687552	18.658 ug/ml
17) T n-Tricontane (C30)	18.020	2936261	19.614 ug/ml
18) T n-Dotriacontane (C32)	18.851	3004452	19.860 ug/ml
19) T n-Tetratriacontane (C34)	19.634	2954765	19.327 ug/ml
20) T n-Hexatriacontane (C36)	20.373	2783724	18.332 ug/ml
21) T n-Octatriacontane (C38)	21.100	2644495	16.849 ug/ml
22) T n-Tetracontane (C40)	21.989	2587572	16.948 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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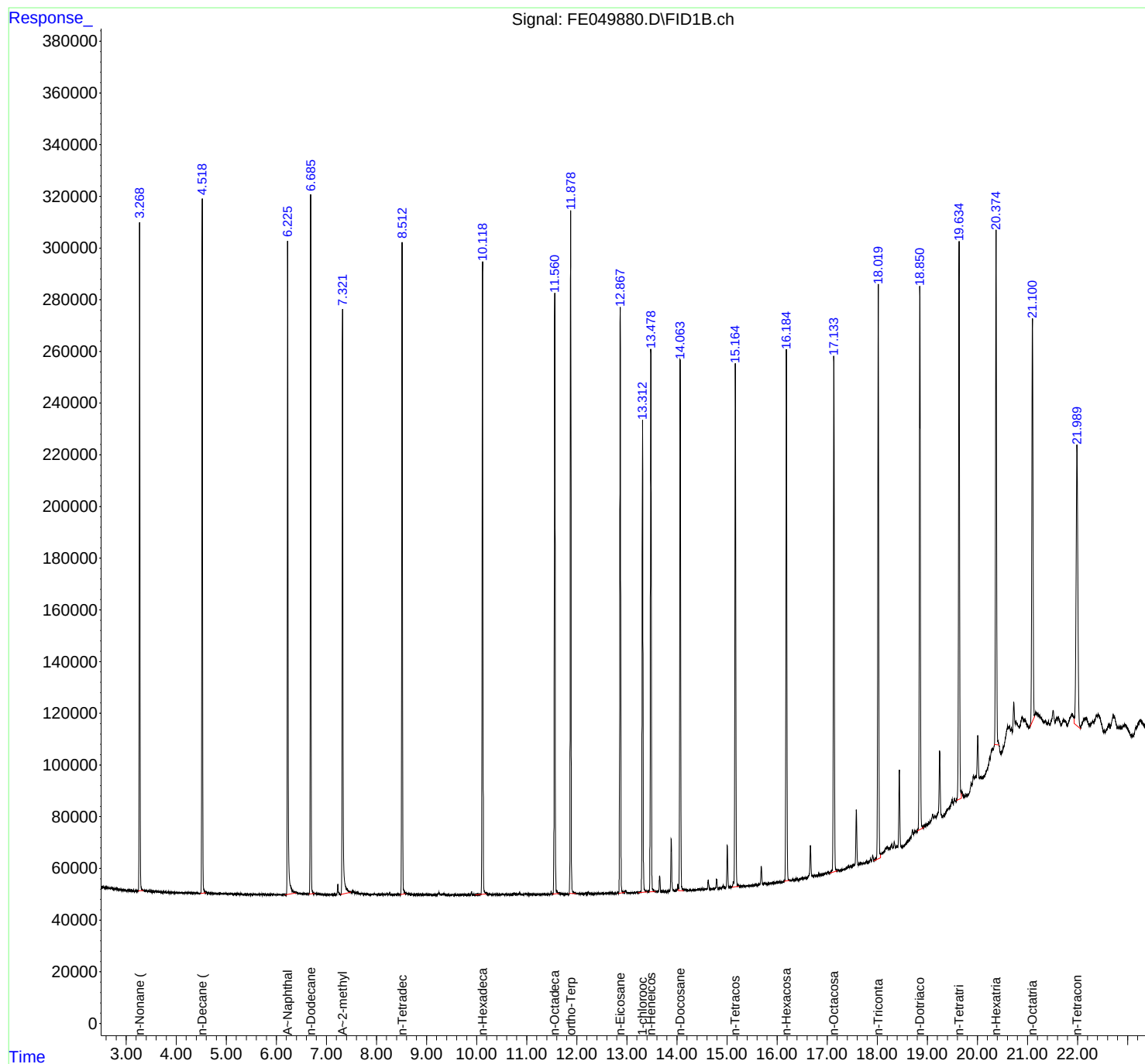
Instrument :
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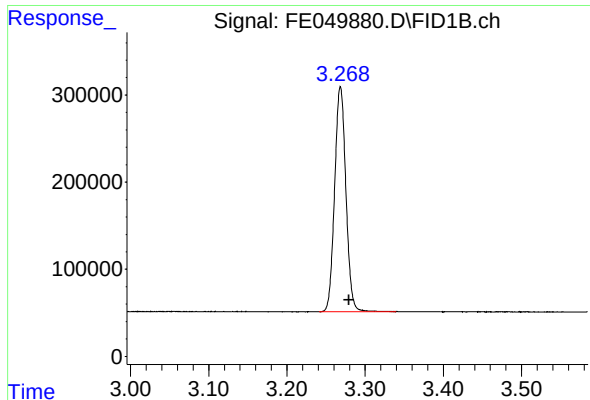
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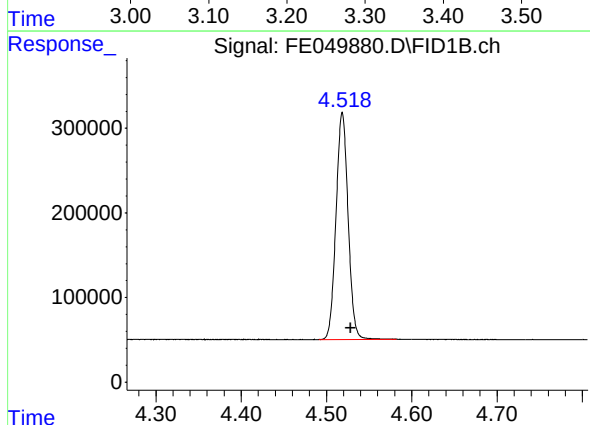
#1 n-Nonane (C9)

R.T.: 3.268 min
Delta R.T.: -0.011 min
Response: 2583026
Conc: 16.69 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

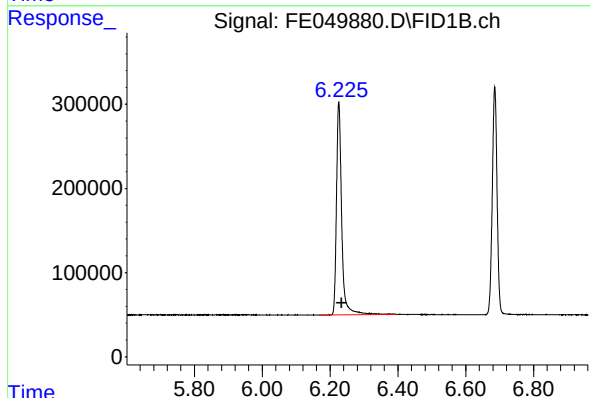
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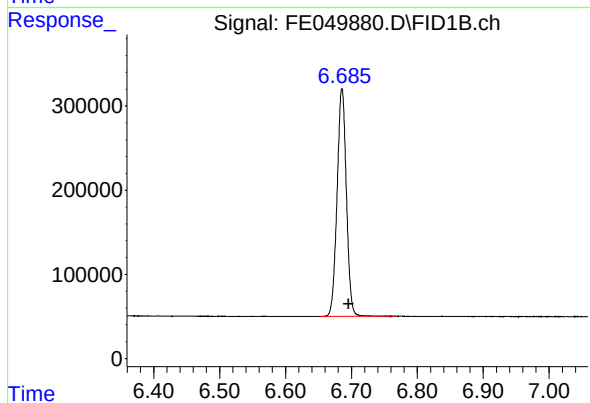
#2 n-Decane (C10)

R.T.: 4.518 min
Delta R.T.: -0.010 min
Response: 2647923
Conc: 16.77 ug/ml



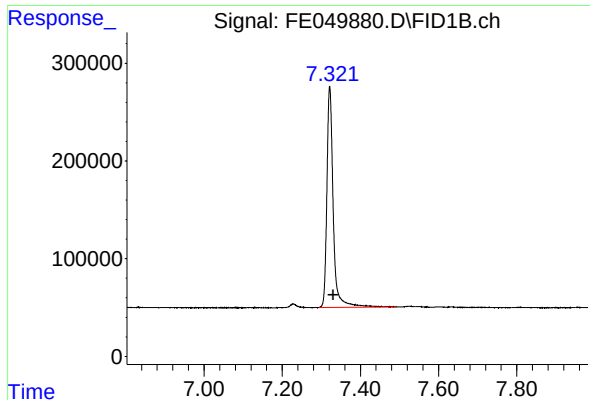
#3 A~Naphthalene (C11.7)

R.T.: 6.226 min
Delta R.T.: -0.009 min
Response: 2696001
Conc: 16.80 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.686 min
Delta R.T.: -0.010 min
Response: 2653403
Conc: 16.88 ug/ml



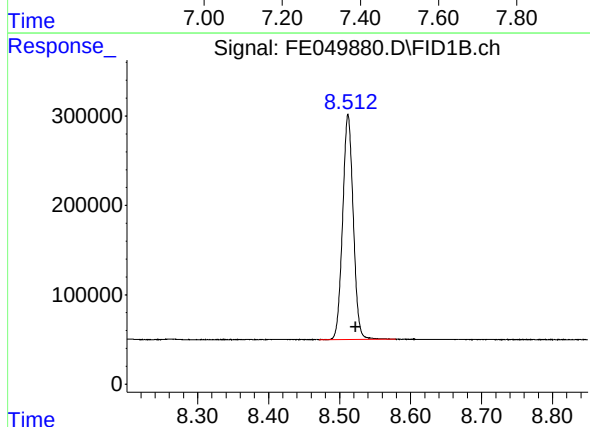
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.322 min
Delta R.T.: -0.009 min
Response: 2548538
Conc: 17.02 ug/ml

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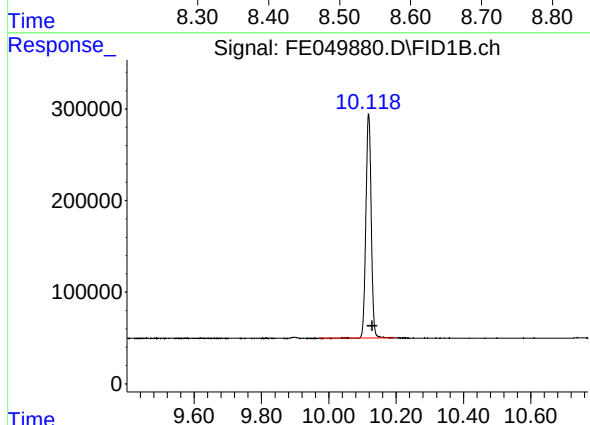
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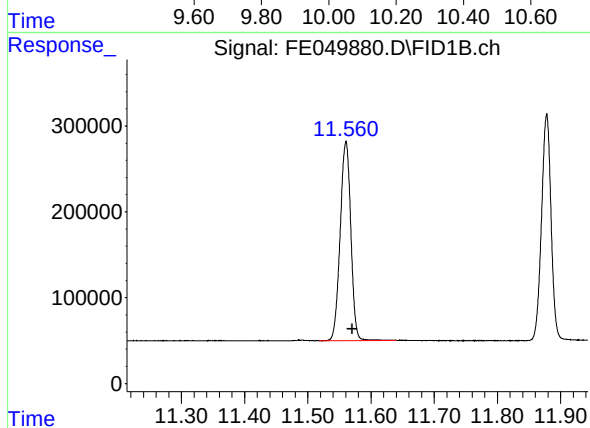
#6 n-Tetradecane (C14)

R.T.: 8.512 min
Delta R.T.: -0.011 min
Response: 2614539
Conc: 16.94 ug/ml



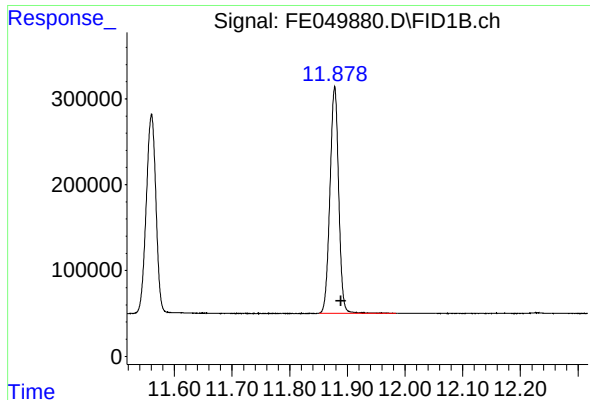
#7 n-Hexadecane (C16)

R.T.: 10.118 min
Delta R.T.: -0.011 min
Response: 2682883
Conc: 17.18 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.560 min
Delta R.T.: -0.010 min
Response: 2711467
Conc: 17.26 ug/ml



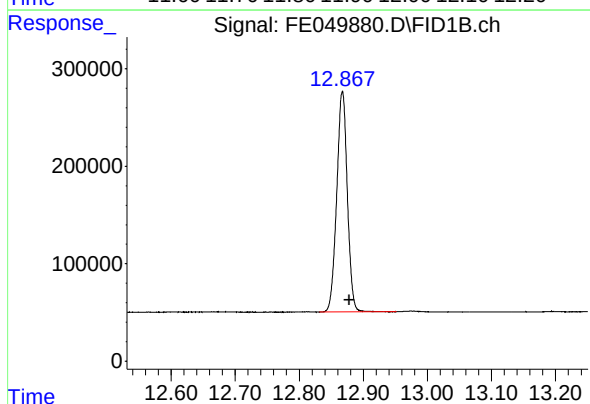
#9 ortho-Terphenyl (SURR)

R.T.: 11.878 min
Delta R.T.: -0.011 min
Response: 2771953
Conc: 17.14 ug/ml

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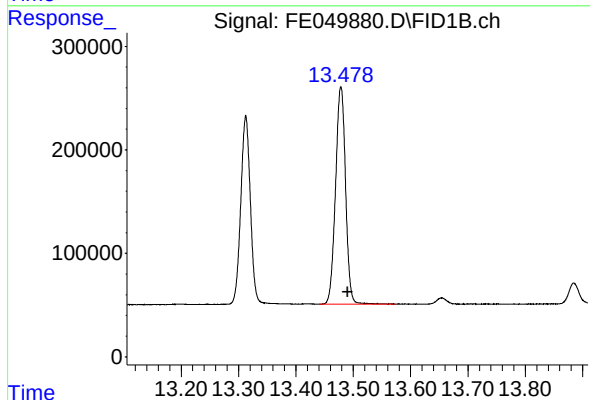
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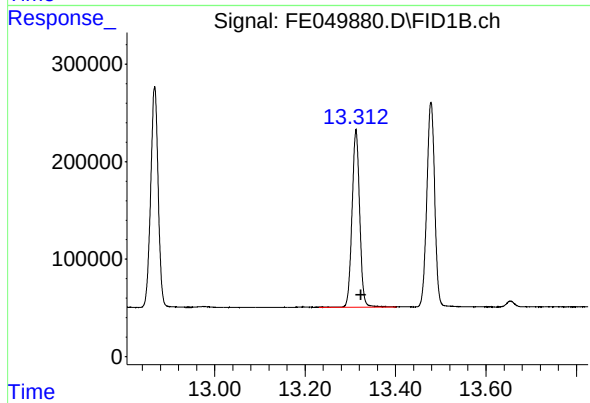
#10 n-Eicosane (C20)

R.T.: 12.867 min
Delta R.T.: -0.011 min
Response: 2602532
Conc: 17.43 ug/ml



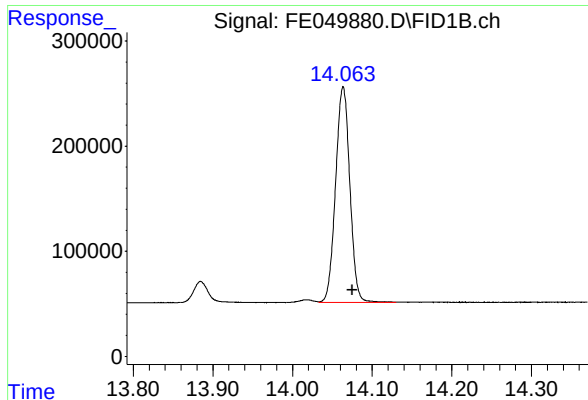
#11 n-Heneicosane (C21)

R.T.: 13.478 min
Delta R.T.: -0.012 min
Response: 2547058
Conc: 17.36 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.313 min
Delta R.T.: -0.011 min
Response: 2128491
Conc: 17.45 ug/ml



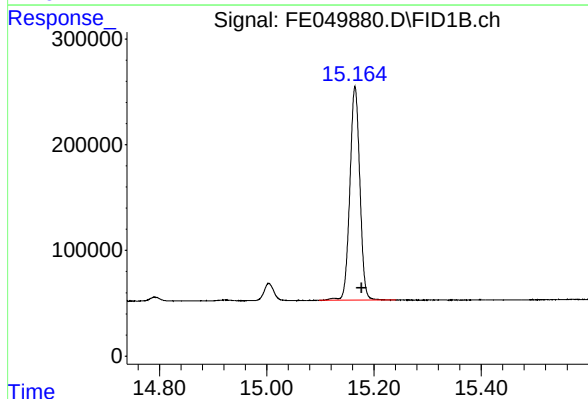
#13 n-Docosane (C22)

R.T.: 14.063 min
Delta R.T.: -0.012 min
Response: 2553242
Conc: 17.52 ug/ml

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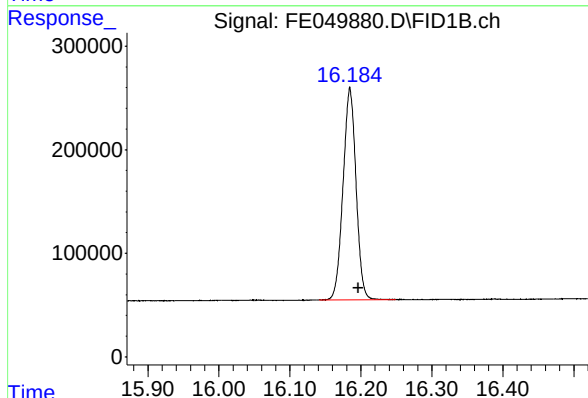
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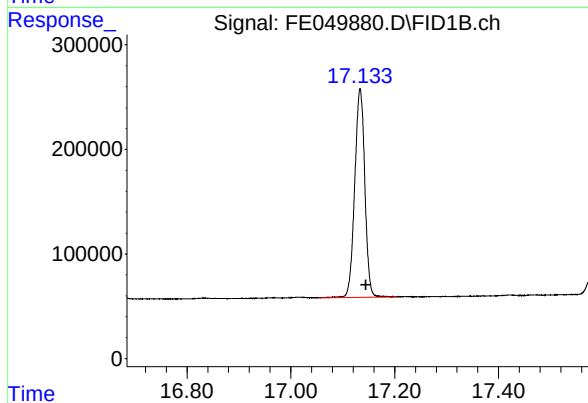
#14 n-Tetracosane (C24)

R.T.: 15.165 min
Delta R.T.: -0.012 min
Response: 2611977
Conc: 17.96 ug/ml



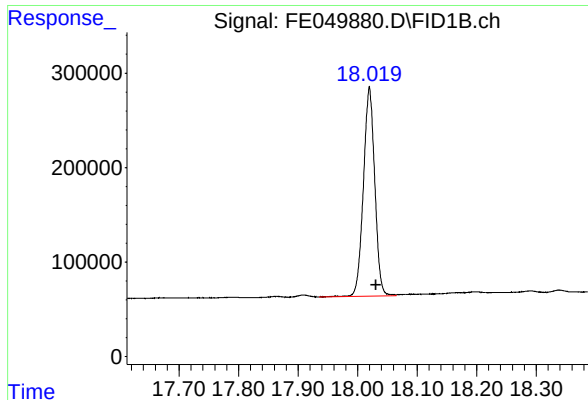
#15 n-Hexacosane (C26)

R.T.: 16.185 min
Delta R.T.: -0.012 min
Response: 2599179
Conc: 18.01 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.134 min
Delta R.T.: -0.011 min
Response: 2687552
Conc: 18.66 ug/ml



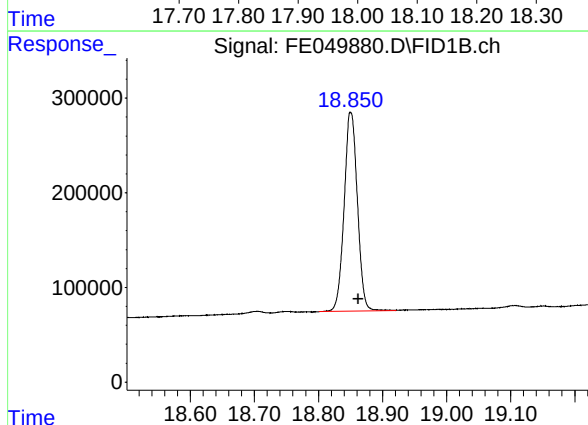
#17 n-Tricontane (C30)

R.T.: 18.020 min
Delta R.T.: -0.011 min
Response: 2936261
Conc: 19.61 ug/ml

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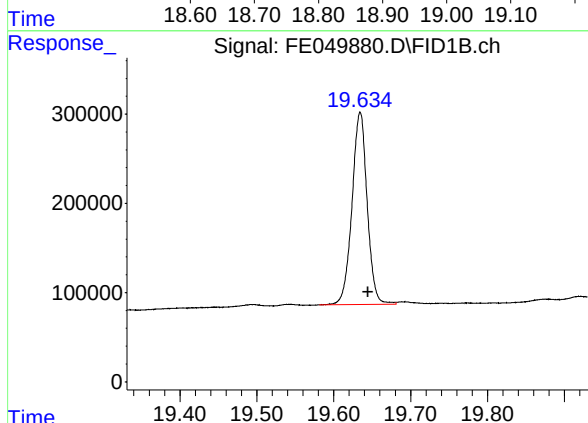
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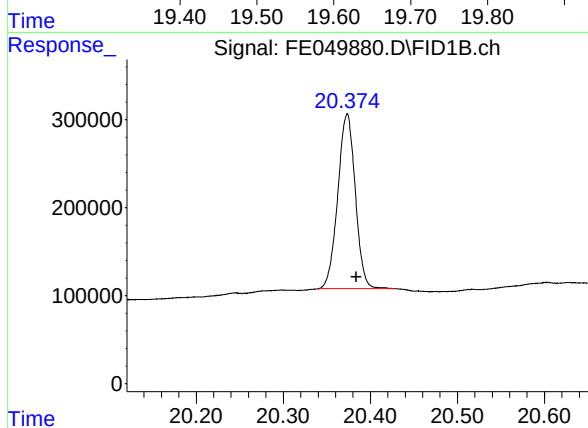
#18 n-Dotriacontane (C32)

R.T.: 18.851 min
Delta R.T.: -0.012 min
Response: 3004452
Conc: 19.86 ug/ml



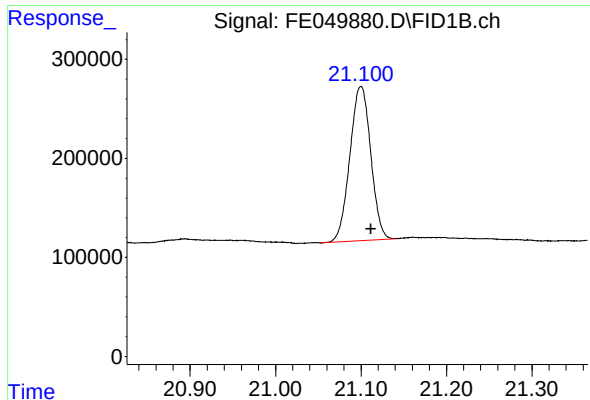
#19 n-Tetratriacontane (C34)

R.T.: 19.634 min
Delta R.T.: -0.010 min
Response: 2954765
Conc: 19.33 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.373 min
Delta R.T.: -0.011 min
Response: 2783724
Conc: 18.33 ug/ml



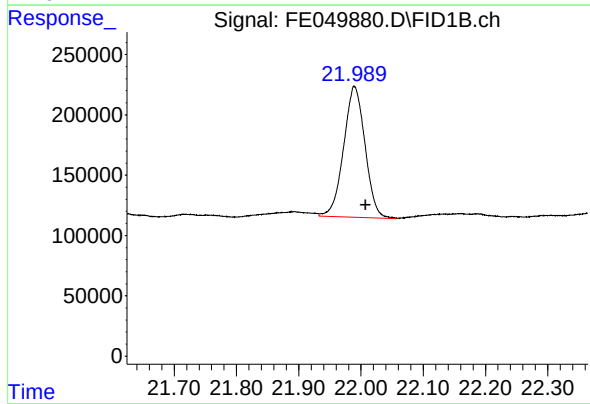
#21 n-Octatriacontane (C38)

R.T.: 21.100 min
Delta R.T.: -0.012 min
Response: 2644495
Conc: 16.85 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.989 min
Delta R.T.: -0.018 min
Response: 2587572
Conc: 16.95 ug/ml m