

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101524AL\
 Data File : FD048526.D
 Signal(s) : FID2B.ch
 Acq On : 15 Oct 2024 14:14
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/16/2024
 Supervised By :Ankita Jodhani 10/16/2024

Integration File: autoint1.e
 Quant Time: Oct 16 02:29:52 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 101024.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 10 14:48:19 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)	11.262	3723886	18.768 ug/ml
Spiked Amount 50.000		Recovery =	37.54%
12) S 1-chlorooctadecane (S...	12.704	2821856	18.863 ug/ml
Spiked Amount 50.000		Recovery =	37.73%
Target Compounds			
1) T n-Nonane (C9)	3.123	3171823	18.885 ug/ml
2) T n-Decane (C10)	4.168	3296901	18.997 ug/ml
3) T A~Naphthalene (C11.7)	5.715	3617897	19.149 ug/ml
4) T n-Dodecane (C12)	6.162	3351242	19.141 ug/ml
5) T A~2-methylnaphthalene...	6.762	3497687	19.430 ug/ml
6) T n-Tetradecane (C14)	7.943	3320982	19.033 ug/ml
7) T n-Hexadecane (C16)	9.533	3405770	18.898 ug/ml
8) T n-Octadecane (C18)	10.966	3418002	18.828 ug/ml
10) T n-Eicosane (C20)	12.267	3276028	18.783 ug/ml
11) T n-Heneicosane (C21)	12.875	3211691	18.772 ug/ml
13) T n-Docosane (C22)	13.458	3177911	18.608 ug/ml
14) T n-Tetracosane (C24)	14.555	3130423	18.482 ug/ml
15) T n-Hexacosane (C26)	15.570	3048034	18.414 ug/ml
16) T n-Octacosane (C28)	16.515	3017786	18.330 ug/ml
17) T n-Tricontane (C30)	17.398	3210021	18.723 ug/ml
18) T n-Dotriacontane (C32)	18.226	3152602	18.842 ug/ml
19) T n-Tetratriacontane (C34)	19.005	2716006	18.825 ug/ml
20) T n-Hexatriacontane (C36)	19.740	2305154	19.199 ug/ml
21) T n-Octatriacontane (C38)	20.438	2077441	18.552 ug/mlm
22) T n-Tetracontane (C40)	21.219	1939172	19.371 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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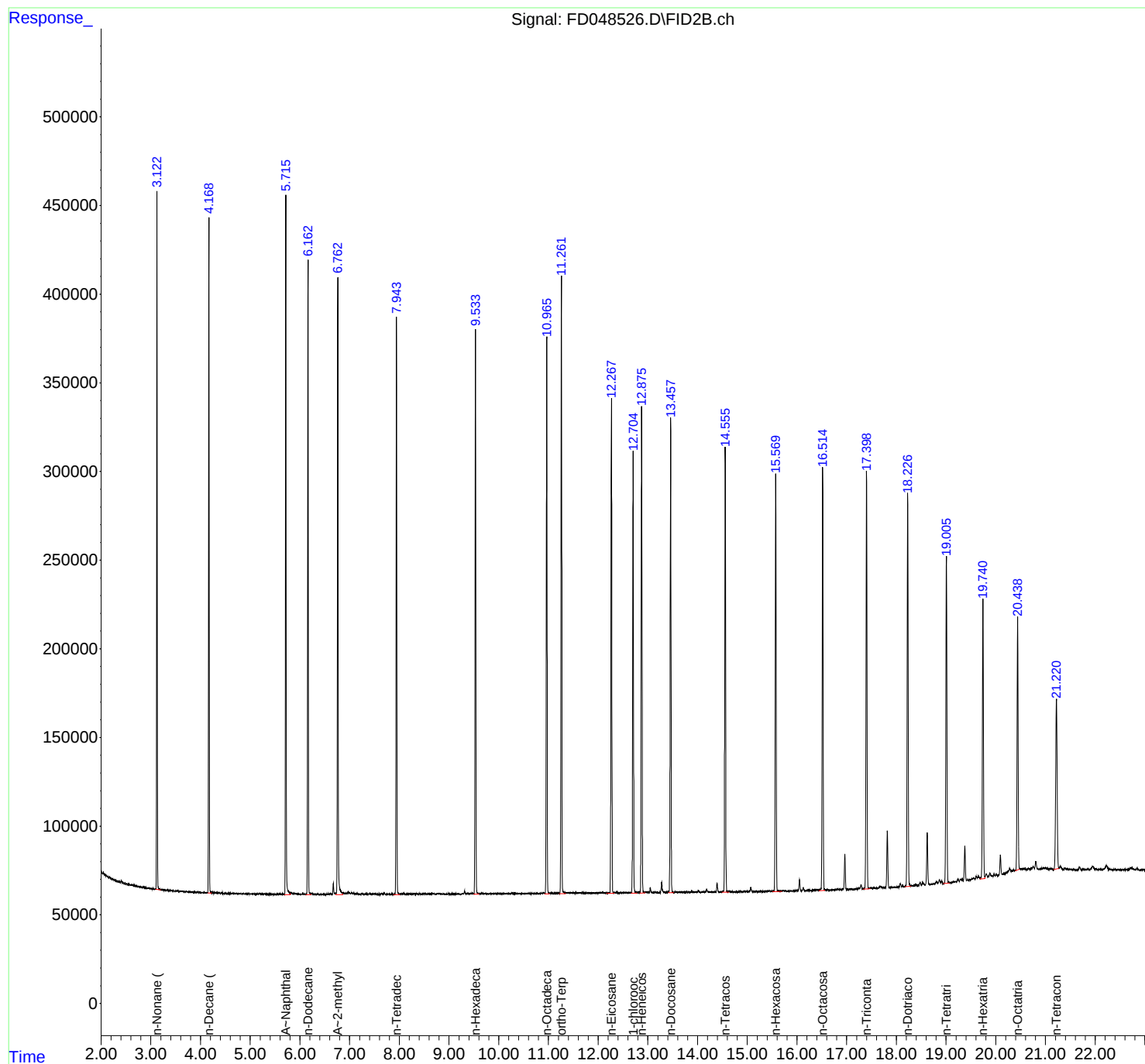
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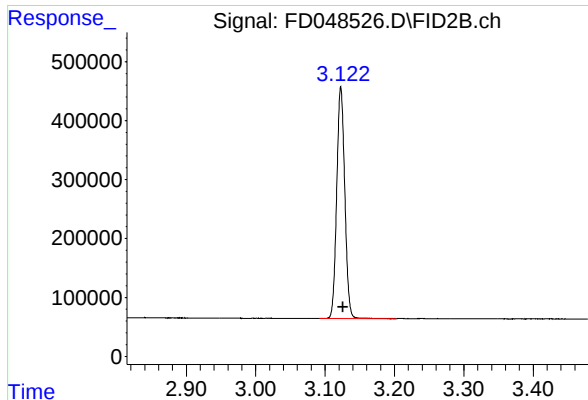
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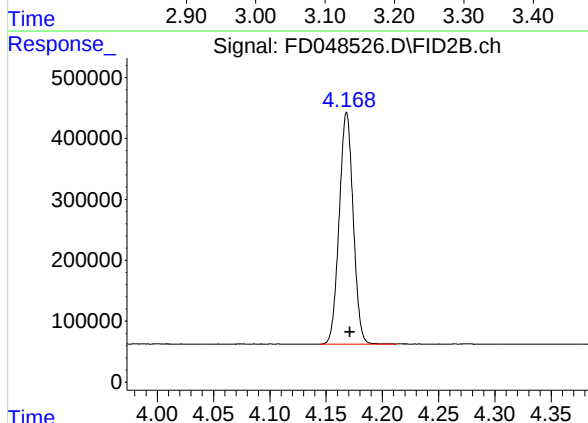
#1 n-Nonane (C9)

R.T.: 3.123 min
Delta R.T.: -0.003 min
Response: 3171823
Conc: 18.89 ug/ml

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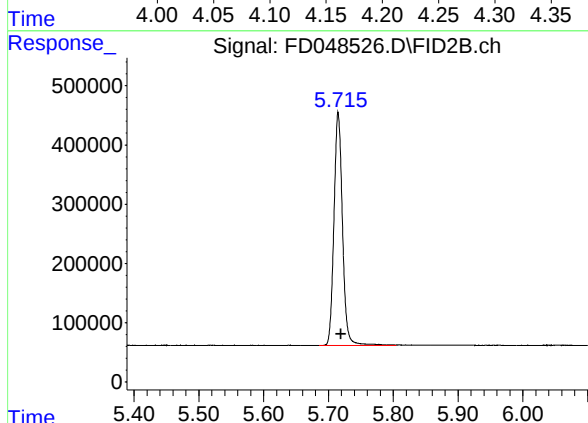
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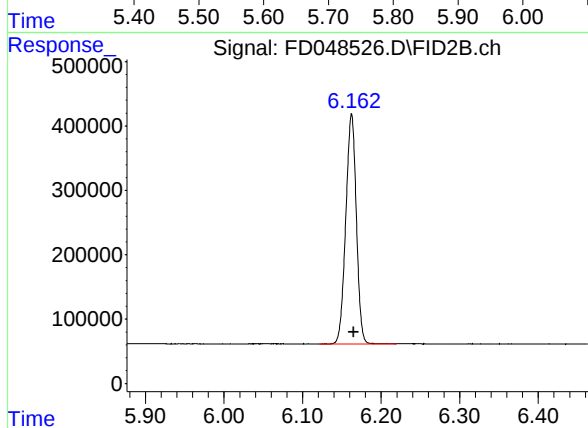
#2 n-Decane (C10)

R.T.: 4.168 min
Delta R.T.: -0.003 min
Response: 3296901
Conc: 19.00 ug/ml



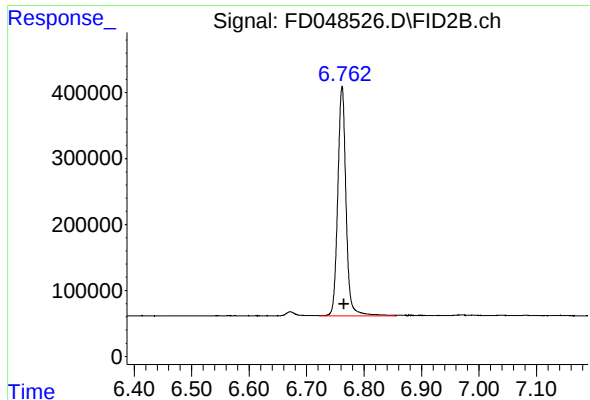
#3 A~Naphthalene (C11.7)

R.T.: 5.715 min
Delta R.T.: -0.004 min
Response: 3617897
Conc: 19.15 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.162 min
Delta R.T.: -0.003 min
Response: 3351242
Conc: 19.14 ug/ml



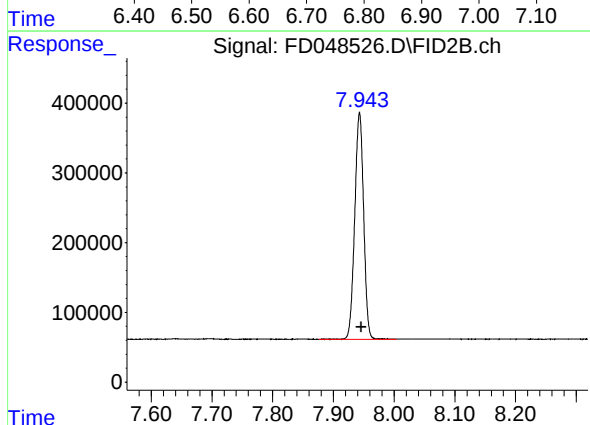
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.762 min
Delta R.T.: -0.003 min
Response: 3497687
Conc: 19.43 ug/ml

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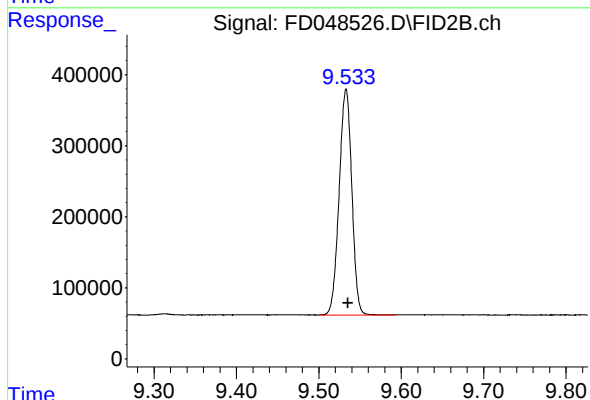
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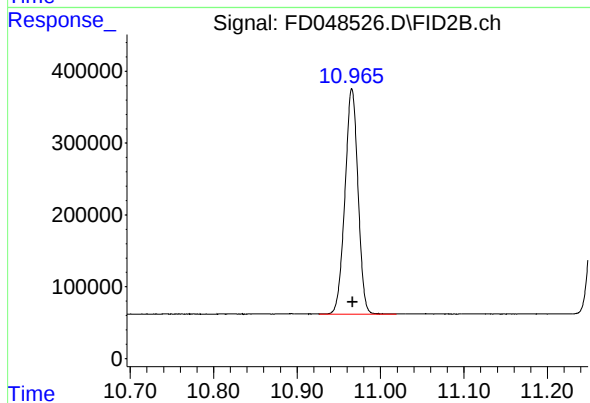
#6 n-Tetradecane (C14)

R.T.: 7.943 min
Delta R.T.: -0.003 min
Response: 3320982
Conc: 19.03 ug/ml



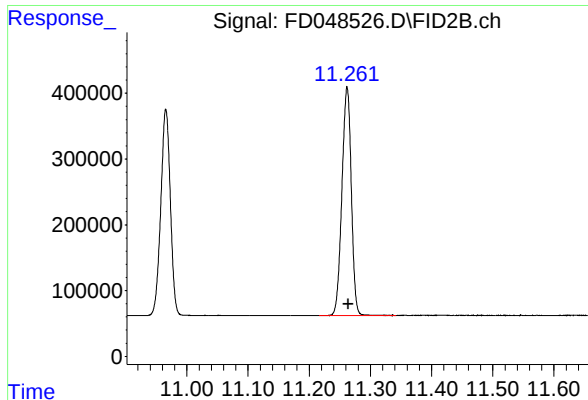
#7 n-Hexadecane (C16)

R.T.: 9.533 min
Delta R.T.: -0.002 min
Response: 3405770
Conc: 18.90 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.966 min
Delta R.T.: 0.000 min
Response: 3418002
Conc: 18.83 ug/ml



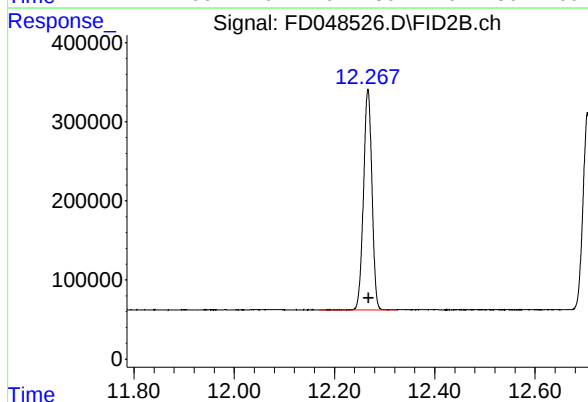
#9 ortho-Terphenyl (SURR)

R.T.: 11.262 min
Delta R.T.: -0.002 min
Response: 3723886
Conc: 18.77 ug/ml

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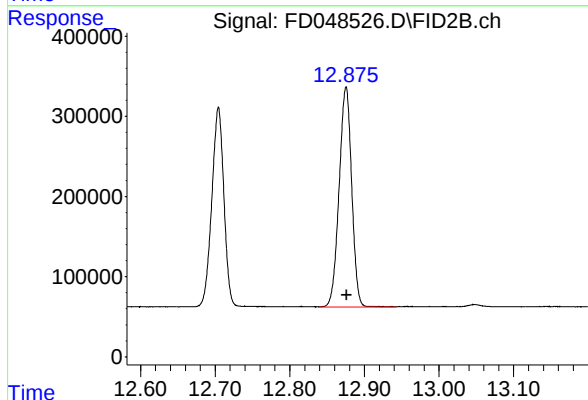
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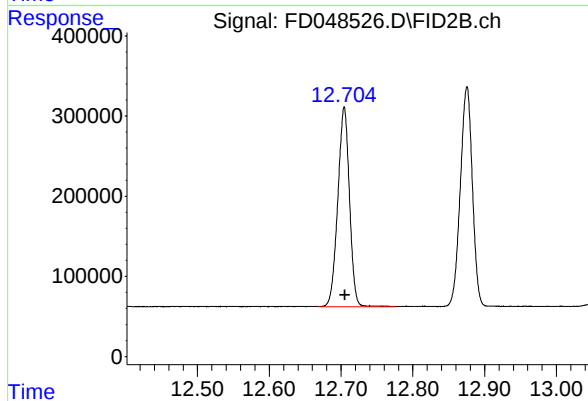
#10 n-Eicosane (C20)

R.T.: 12.267 min
Delta R.T.: -0.001 min
Response: 3276028
Conc: 18.78 ug/ml



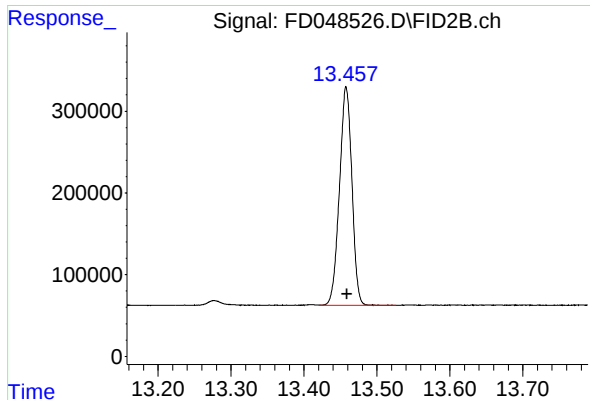
#11 n-Heneicosane (C21)

R.T.: 12.875 min
Delta R.T.: -0.001 min
Response: 3211691
Conc: 18.77 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.704 min
Delta R.T.: -0.001 min
Response: 2821856
Conc: 18.86 ug/ml



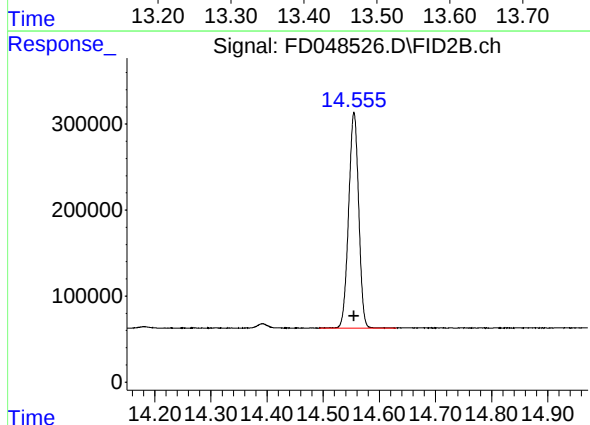
#13 n-Docosane (C22)

R.T.: 13.458 min
Delta R.T.: 0.000 min
Response: 3177911
Conc: 18.61 ug/ml

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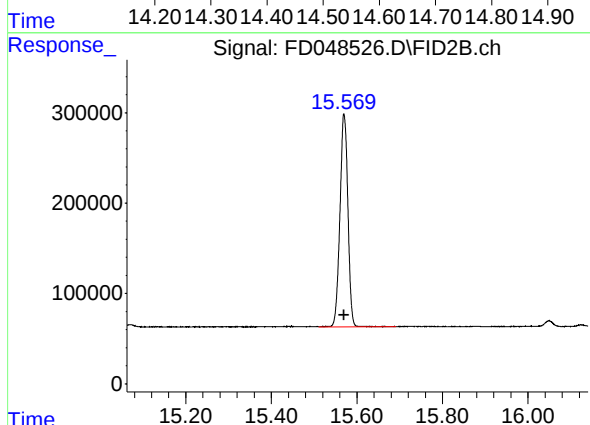
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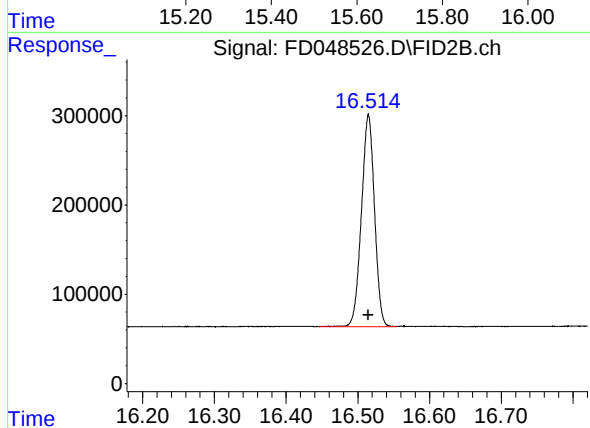
#14 n-Tetracosane (C24)

R.T.: 14.555 min
Delta R.T.: 0.000 min
Response: 3130423
Conc: 18.48 ug/ml



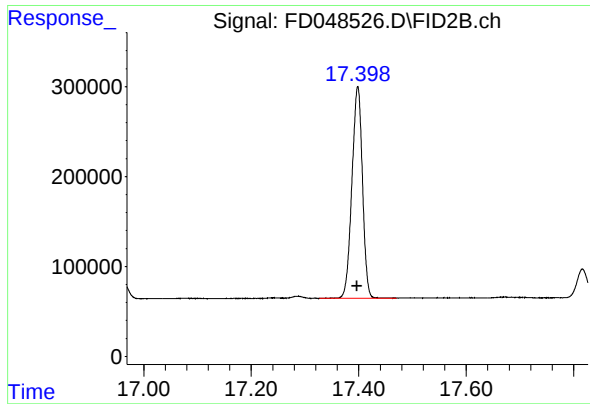
#15 n-Hexacosane (C26)

R.T.: 15.570 min
Delta R.T.: 0.000 min
Response: 3048034
Conc: 18.41 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.515 min
Delta R.T.: 0.000 min
Response: 3017786
Conc: 18.33 ug/ml



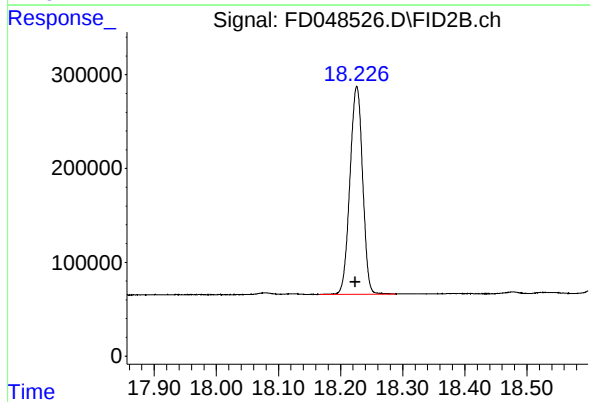
#17 n-Tricontane (C30)

R.T.: 17.398 min
Delta R.T.: 0.001 min
Response: 3210021
Conc: 18.72 ug/ml

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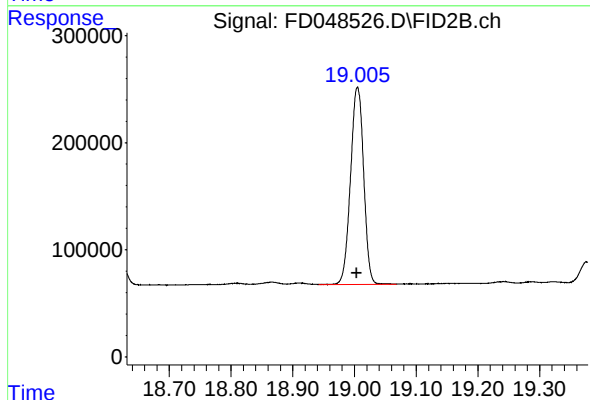
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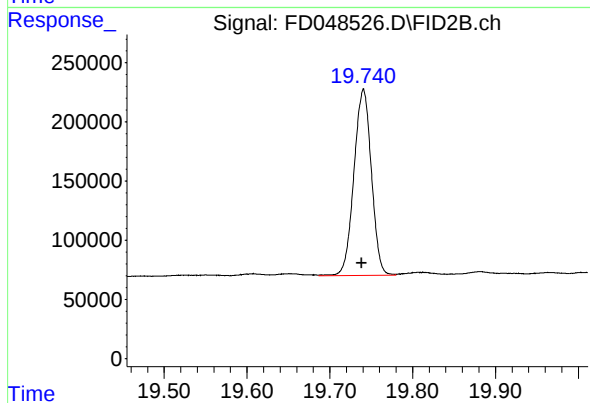
#18 n-Dotriacontane (C32)

R.T.: 18.226 min
Delta R.T.: 0.002 min
Response: 3152602
Conc: 18.84 ug/ml



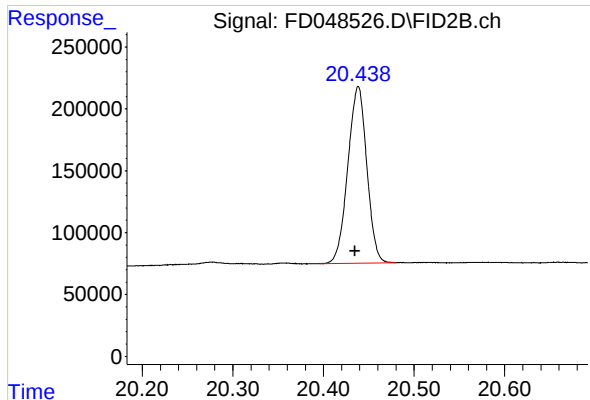
#19 n-Tetratriacontane (C34)

R.T.: 19.005 min
Delta R.T.: 0.002 min
Response: 2716006
Conc: 18.83 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.740 min
Delta R.T.: 0.002 min
Response: 2305154
Conc: 19.20 ug/ml



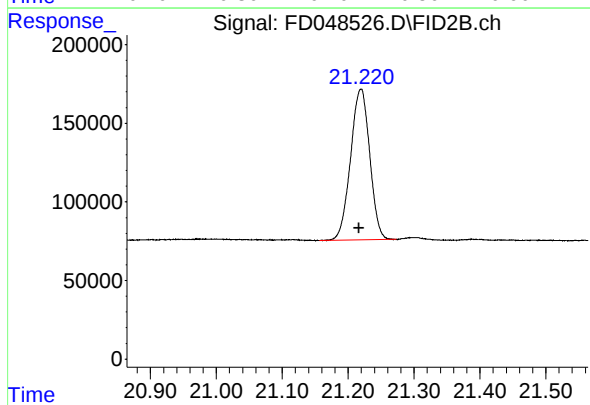
#21 n-Octatriacontane (C38)

R.T.: 20.438 min
Delta R.T.: 0.004 min
Response: 2077441
Conc: 18.55 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.219 min
Delta R.T.: 0.003 min
Response: 1939172
Conc: 19.37 ug/ml