

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD052325AL\
 Data File : FD049408.D
 Signal(s) : FID2B.ch
 Acq On : 24 May 2025 00:54
 Operator : YP/AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/27/2025
 Supervised By :mohammad ahmed 05/28/2025

Integration File: autoint1.e
 Quant Time: May 27 05:22:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 052325.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 05:19:30 2025
 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)	11.645	1025647	4.898 ug/ml
Spiked Amount 50.000		Recovery =	9.80%
12) S 1-chlorooctadecane (S...	13.075	780009	4.848 ug/ml
Spiked Amount 50.000		Recovery =	9.70%
Target Compounds			
1) T n-Nonane (C9)	3.416	621301	5.021 ug/ml
2) T n-Decane (C10)	4.485	637564	5.026 ug/ml
3) T A~Naphthalene (C11.7)	6.071	765039	4.988 ug/ml
4) T n-Dodecane (C12)	6.500	668259	4.960 ug/ml
5) T A~2-methylnaphthalene...	7.125	779950	4.958 ug/ml
6) T n-Tetradecane (C14)	8.291	701390	4.894 ug/ml
7) T n-Hexadecane (C16)	9.887	768216	4.891 ug/ml
8) T n-Octadecane (C18)	11.325	823352	4.893 ug/ml
10) T n-Eicosane (C20)	12.631	841172	4.888 ug/ml
11) T n-Heneicosane (C21)	13.241	842564	4.897 ug/ml
13) T n-Docosane (C22)	13.827	838582	4.913 ug/ml
14) T n-Tetracosane (C24)	14.926	815676	4.899 ug/ml
15) T n-Hexacosane (C26)	15.944	782892	4.914 ug/ml
16) T n-Octacosane (C28)	16.891	781235	5.117 ug/ml
17) T n-Tricontane (C30)	17.776	830697	5.479 ug/ml
18) T n-Dotriacontane (C32)	18.606	837909	5.651 ug/ml
19) T n-Tetratriacontane (C34)	19.386	772218	5.530 ug/mlm
20) T n-Hexatriacontane (C36)	20.125	709937	5.278 ug/ml
21) T n-Octatriacontane (C38)	20.862	653174	5.059 ug/ml
22) T n-Tetracontane (C40)	21.779	614225	4.909 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

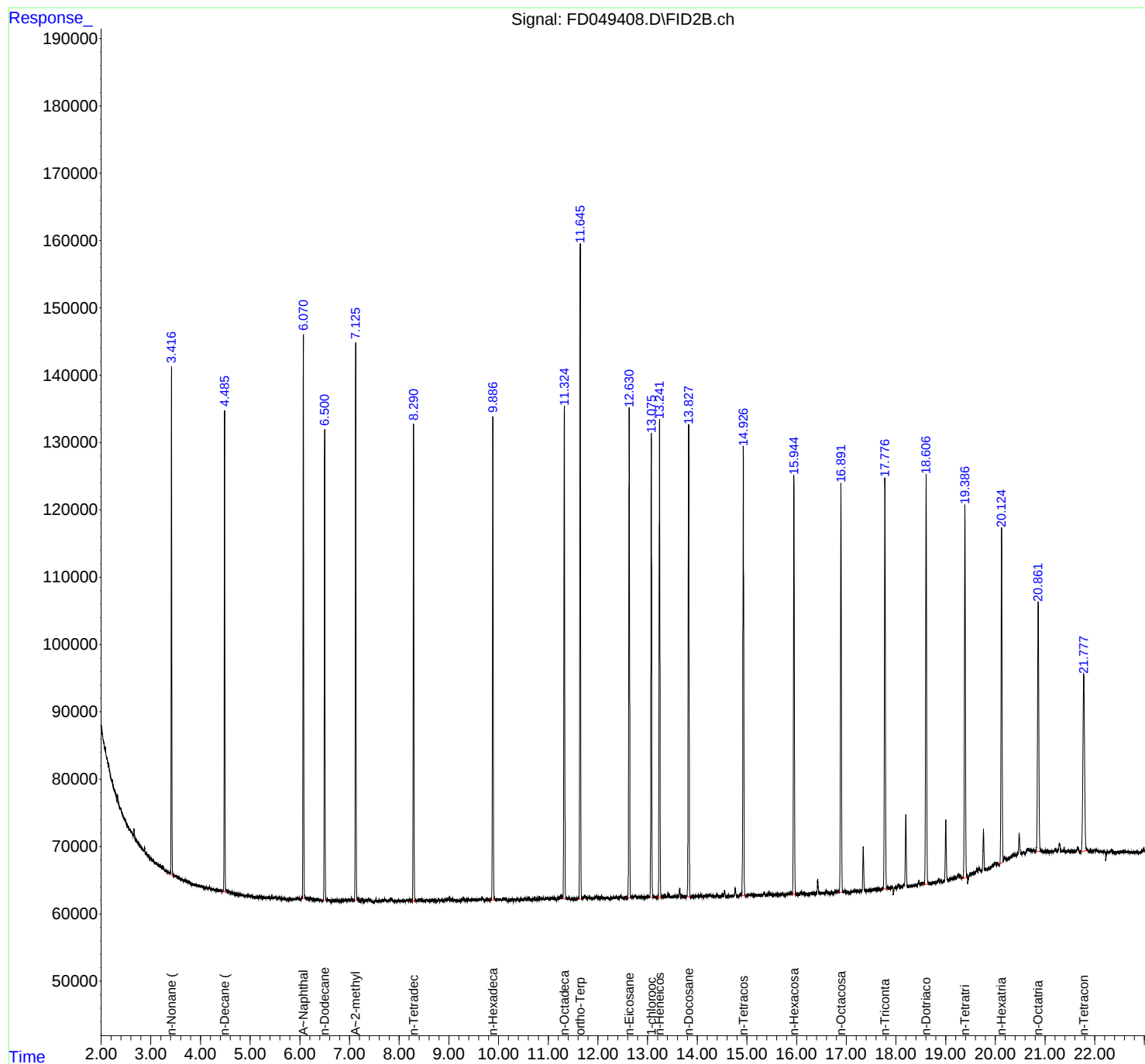
Instrument :
FID_D
ClientSampleId :
5 PPM ALIPHATIC HC STD5

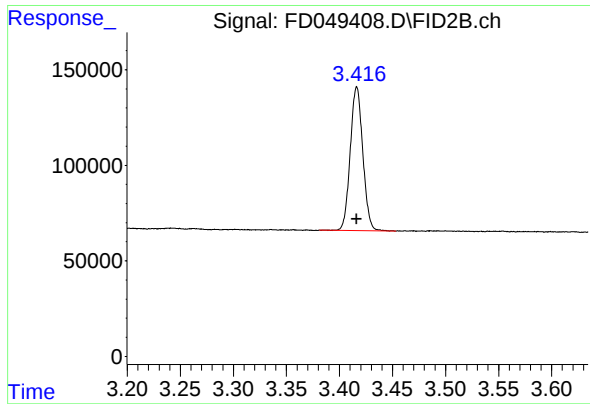
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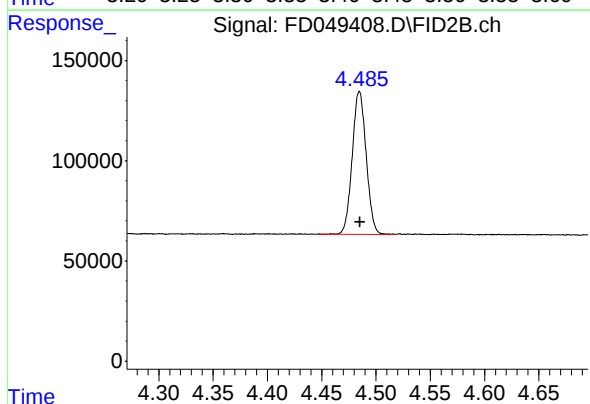
#1 n-Nonane (C9)

R.T.: 3.416 min
Delta R.T.: 0.000 min
Response: 621301
Conc: 5.02 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM ALIPHATIC HC STD5

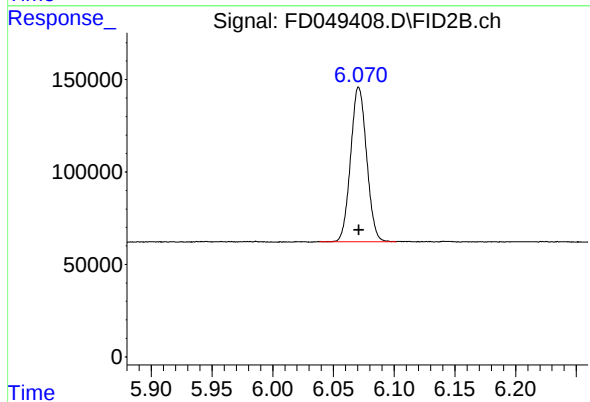
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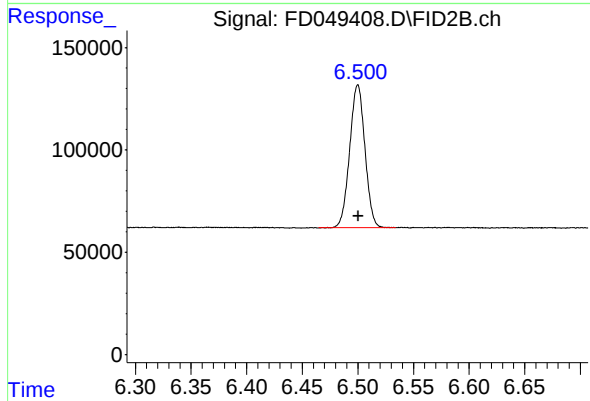
#2 n-Decane (C10)

R.T.: 4.485 min
Delta R.T.: 0.000 min
Response: 637564
Conc: 5.03 ug/ml



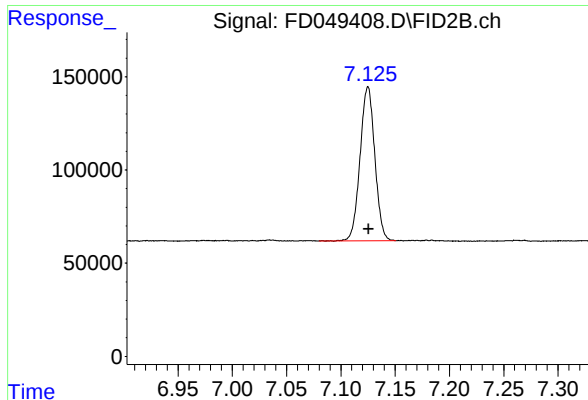
#3 A~Naphthalene (C11.7)

R.T.: 6.071 min
Delta R.T.: 0.000 min
Response: 765039
Conc: 4.99 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.500 min
Delta R.T.: 0.000 min
Response: 668259
Conc: 4.96 ug/ml



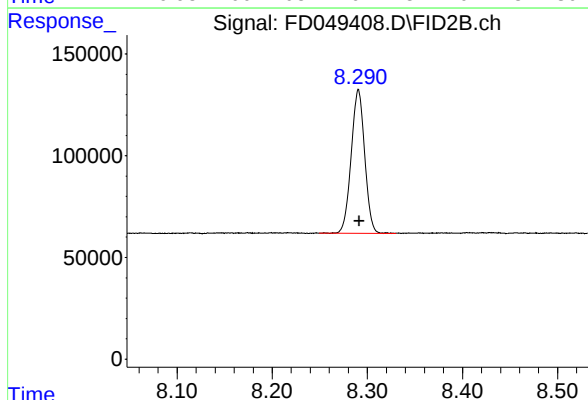
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.125 min
Delta R.T.: 0.000 min
Response: 779950
Conc: 4.96 ug/ml

Instrument :
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5 PPM ALIPHATIC HC STD5

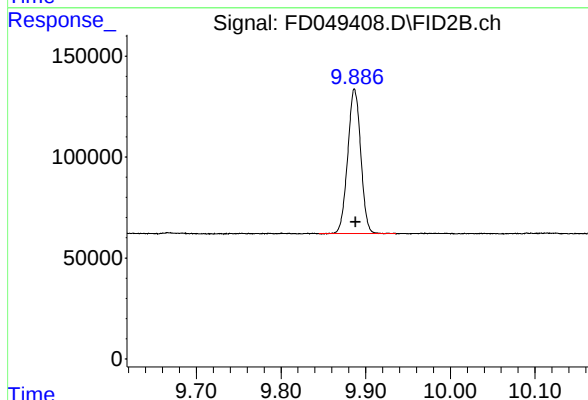
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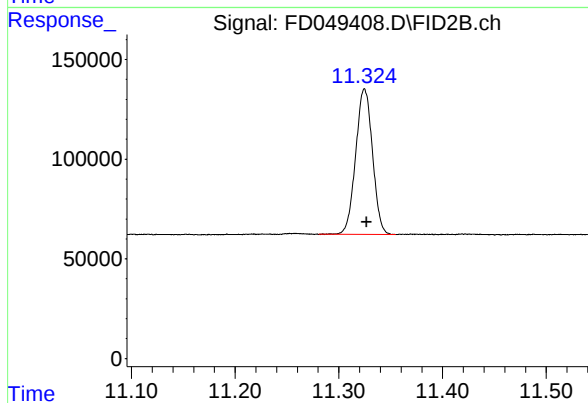
#6 n-Tetradecane (C14)

R.T.: 8.291 min
Delta R.T.: 0.000 min
Response: 701390
Conc: 4.89 ug/ml



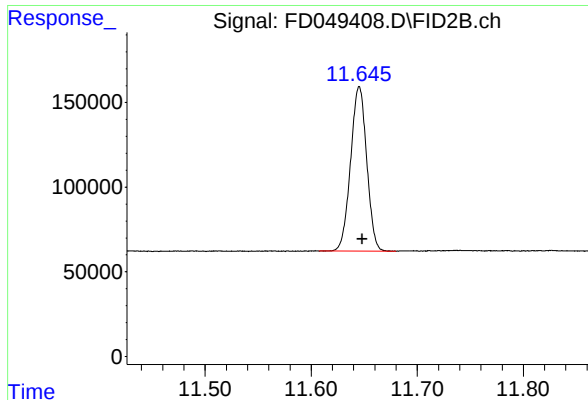
#7 n-Hexadecane (C16)

R.T.: 9.887 min
Delta R.T.: -0.001 min
Response: 768216
Conc: 4.89 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.325 min
Delta R.T.: -0.002 min
Response: 823352
Conc: 4.89 ug/ml



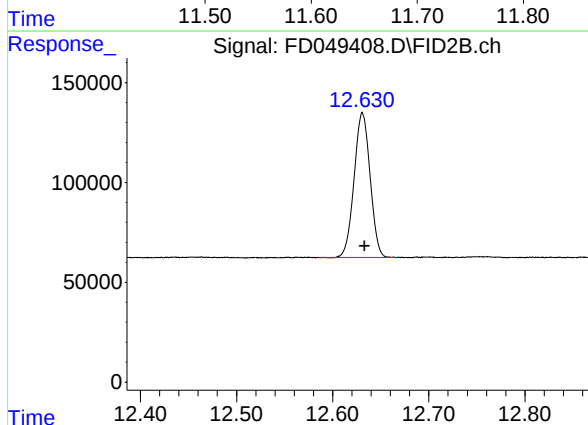
#9 ortho-Terphenyl (SURR)

R.T.: 11.645 min
Delta R.T.: -0.003 min
Response: 1025647
Conc: 4.90 ug/ml

Instrument :
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5 PPM ALIPHATIC HC STD5

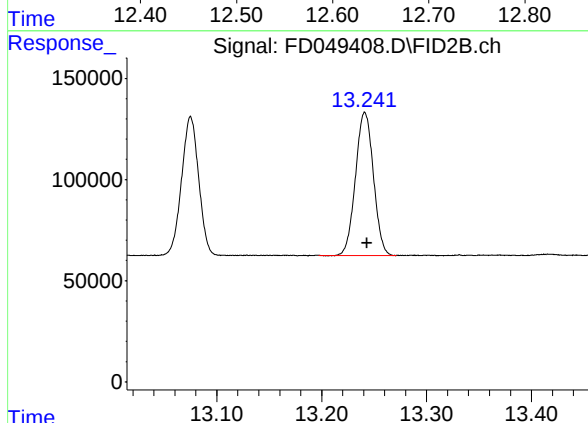
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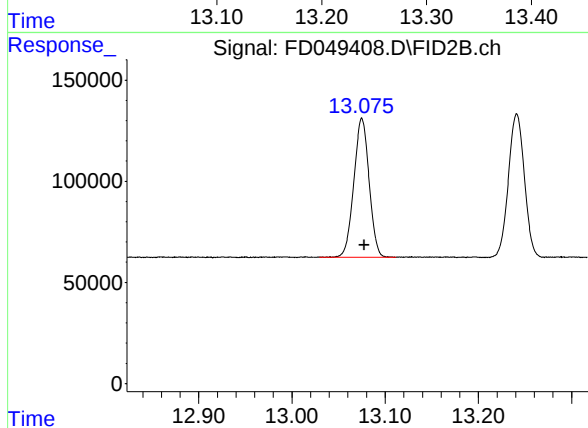
#10 n-Eicosane (C20)

R.T.: 12.631 min
Delta R.T.: -0.002 min
Response: 841172
Conc: 4.89 ug/ml



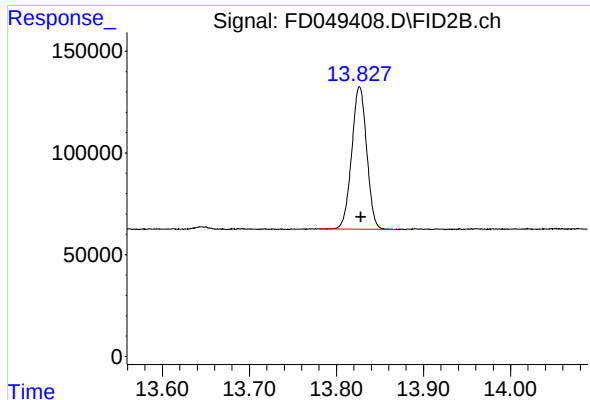
#11 n-Heneicosane (C21)

R.T.: 13.241 min
Delta R.T.: -0.002 min
Response: 842564
Conc: 4.90 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.075 min
Delta R.T.: -0.002 min
Response: 780009
Conc: 4.85 ug/ml



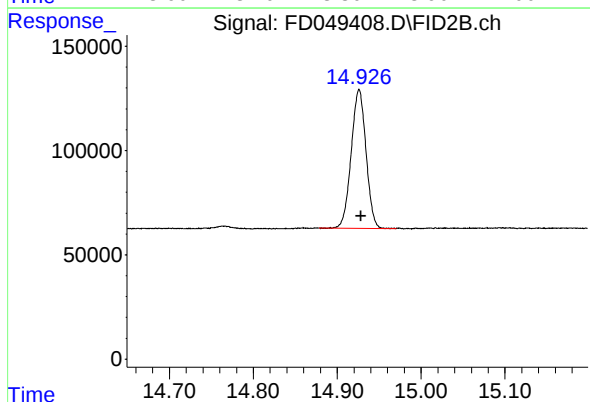
#13 n-Docosane (C22)

R.T.: 13.827 min
Delta R.T.: -0.002 min
Response: 838582
Conc: 4.91 ug/ml

Instrument :
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5 PPM ALIPHATIC HC STD5

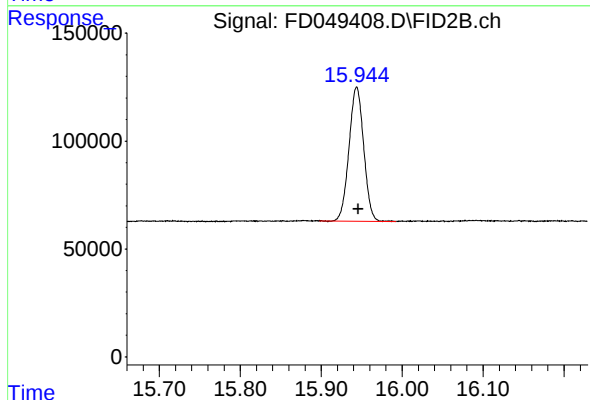
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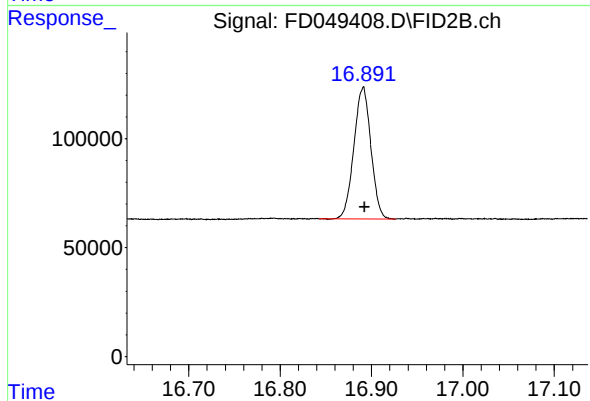
#14 n-Tetracosane (C24)

R.T.: 14.926 min
Delta R.T.: -0.002 min
Response: 815676
Conc: 4.90 ug/ml



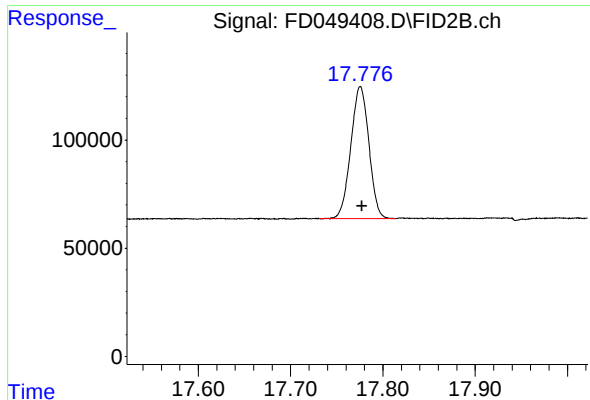
#15 n-Hexacosane (C26)

R.T.: 15.944 min
Delta R.T.: -0.002 min
Response: 782892
Conc: 4.91 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.891 min
Delta R.T.: -0.002 min
Response: 781235
Conc: 5.12 ug/ml



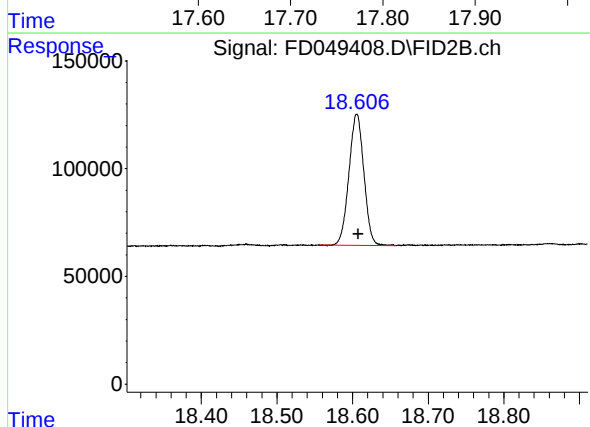
#17 n-Tricontane (C30)

R.T.: 17.776 min
Delta R.T.: -0.002 min
Response: 830697
Conc: 5.48 ug/ml

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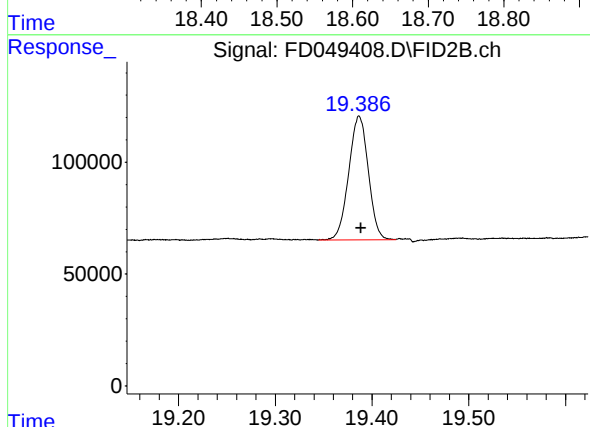
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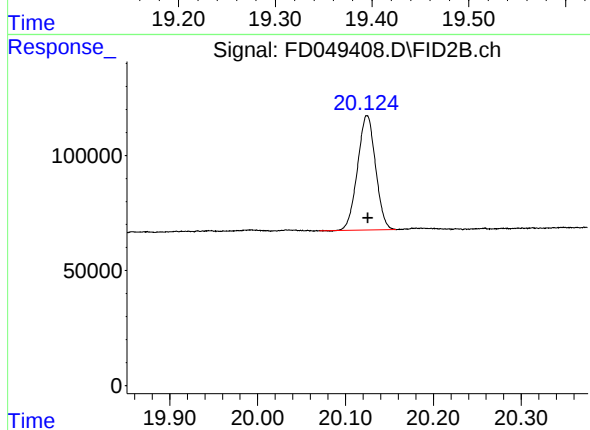
#18 n-Dotriacontane (C32)

R.T.: 18.606 min
Delta R.T.: -0.002 min
Response: 837909
Conc: 5.65 ug/ml



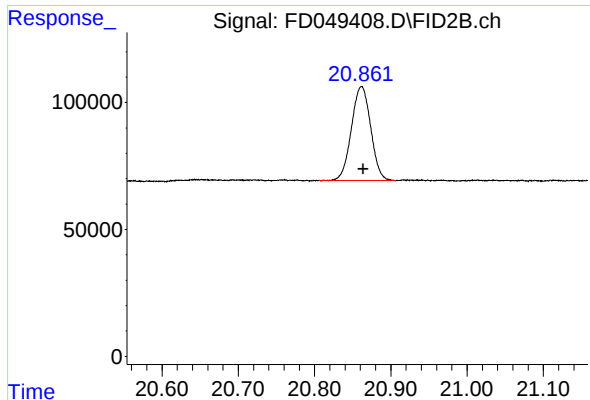
#19 n-Tetratriacontane (C34)

R.T.: 19.386 min
Delta R.T.: -0.003 min
Response: 772218
Conc: 5.53 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.125 min
Delta R.T.: 0.000 min
Response: 709937
Conc: 5.28 ug/ml



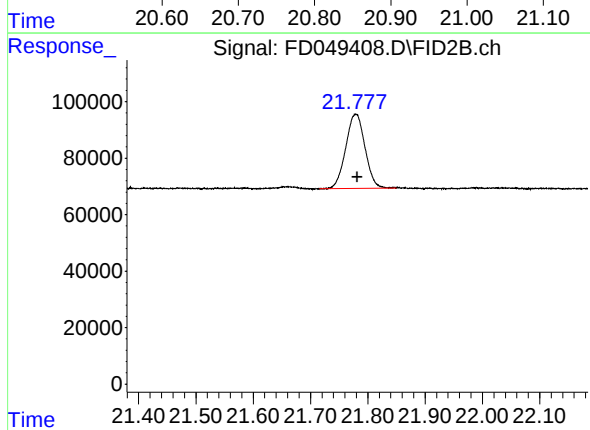
#21 n-Octatriacontane (C38)

R.T.: 20.862 min
Delta R.T.: -0.002 min
Response: 653174
Conc: 5.06 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.779 min
Delta R.T.: -0.002 min
Response: 614225
Conc: 4.91 ug/ml