

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD013125AL\
 Data File : FD049020.D
 Signal(s) : FID2B.ch
 Acq On : 31 Jan 2025 09:47
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/03/2025
 Supervised By :Ankita Jodhani 02/03/2025

Integration File: autoint1.e
 Quant Time: Feb 01 03:44:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 05:57:24 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)	11.240	4194667	21.723 ug/ml
Spiked Amount 50.000		Recovery =	43.45%
12) S 1-chlorooctadecane (S...	12.682	3165892	21.568 ug/ml
Spiked Amount 50.000		Recovery =	43.14%
Target Compounds			
1) T n-Nonane (C9)	3.106	3434705	21.477 ug/ml
2) T n-Decane (C10)	4.150	3513389	21.547 ug/ml
3) T A~Naphthalene (C11.7)	5.697	3718373	21.759 ug/ml
4) T n-Dodecane (C12)	6.143	3592769	21.693 ug/ml
5) T A~2-methylnaphthalene...	6.744	3591014	22.277 ug/ml
6) T n-Tetradecane (C14)	7.923	3576814	21.636 ug/ml
7) T n-Hexadecane (C16)	9.512	3739392	21.687 ug/ml
8) T n-Octadecane (C18)	10.943	3840618	21.782 ug/ml
10) T n-Eicosane (C20)	12.245	3721825	21.625 ug/ml
11) T n-Heneicosane (C21)	12.853	3682013	21.623 ug/ml
13) T n-Docosane (C22)	13.437	3666199	21.560 ug/ml
14) T n-Tetracosane (C24)	14.533	3646542	21.404 ug/ml
15) T n-Hexacosane (C26)	15.548	3568407	21.304 ug/ml
16) T n-Octacosane (C28)	16.492	3486564	20.959 ug/ml
17) T n-Tricontane (C30)	17.374	3503101	20.408 ug/ml
18) T n-Dotriacontane (C32)	18.201	3308857	20.240 ug/ml
19) T n-Tetratriacontane (C34)	18.981	2834253	20.344 ug/ml
20) T n-Hexatriacontane (C36)	19.717	2376912	20.671 ug/ml
21) T n-Octatriacontane (C38)	20.414	2159998	20.845 ug/mlm
22) T n-Tetracontane (C40)	21.188	1882298	19.640 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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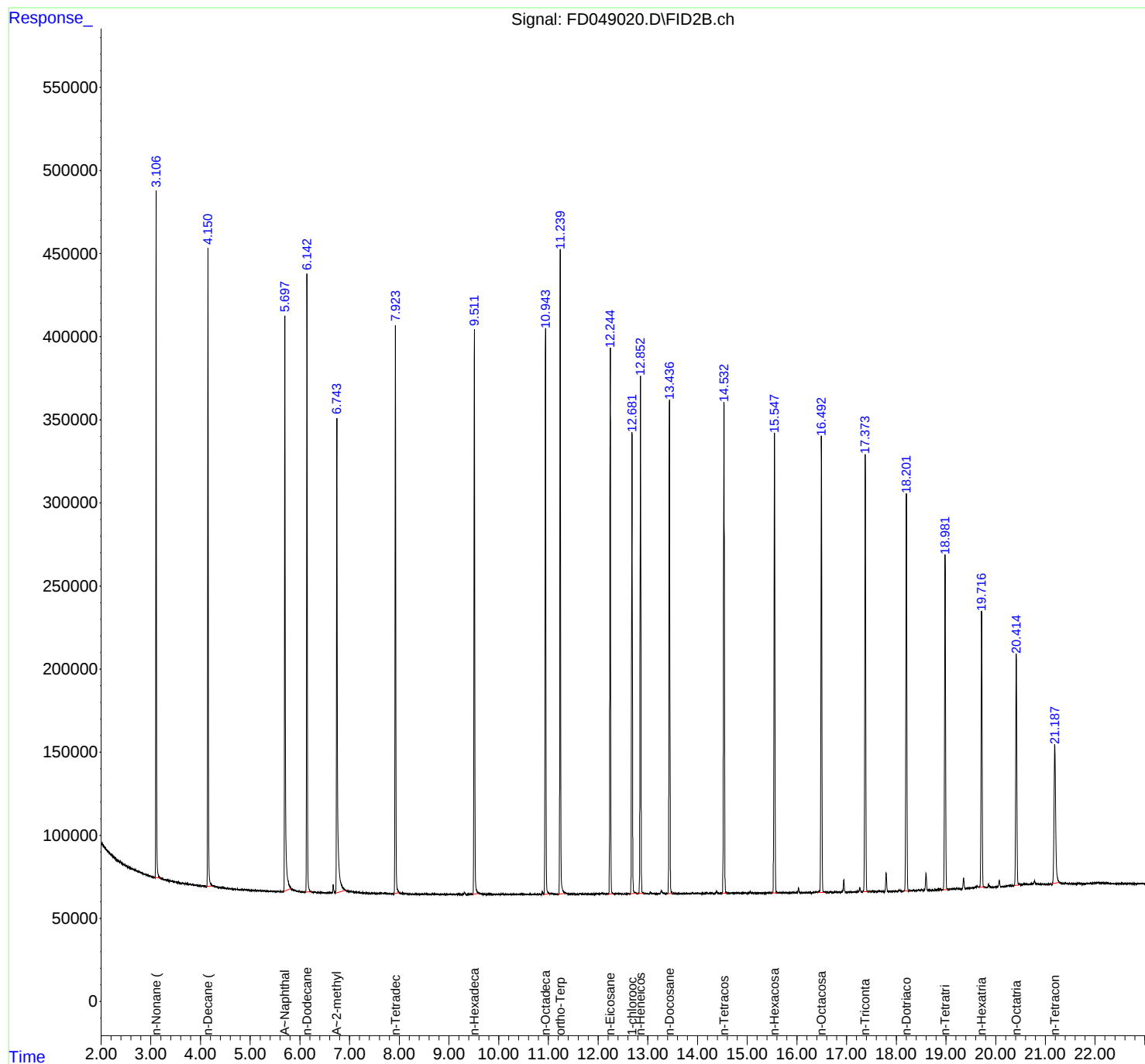
Instrument :
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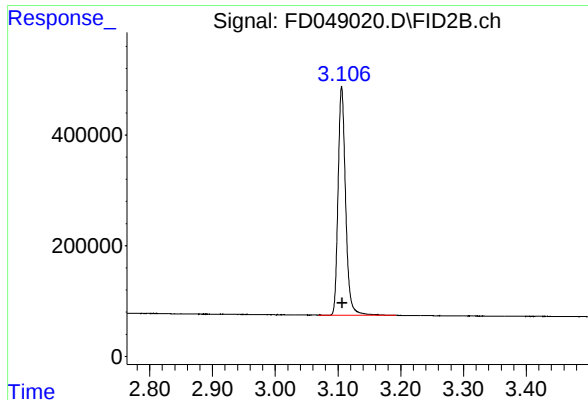
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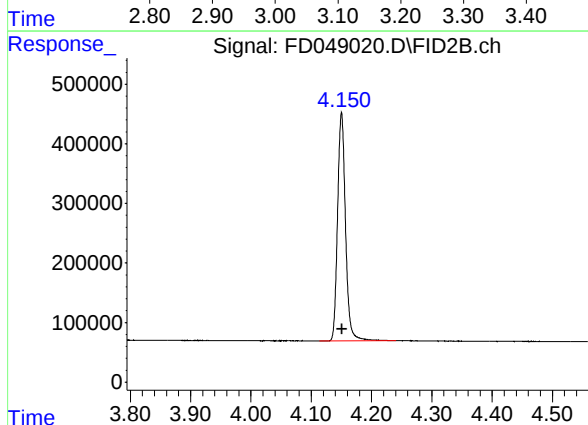
#1 n-Nonane (C9)

R.T.: 3.106 min
Delta R.T.: -0.001 min
Response: 3434705
Conc: 21.48 ug/ml

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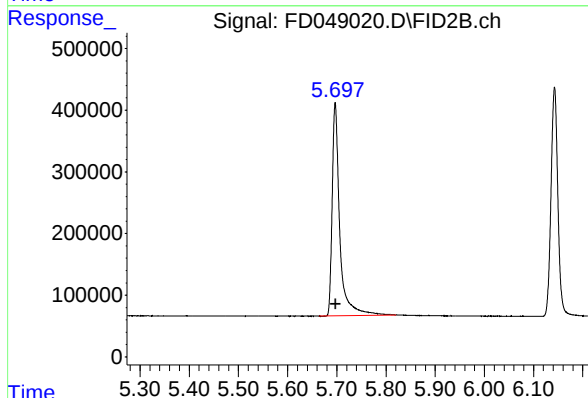
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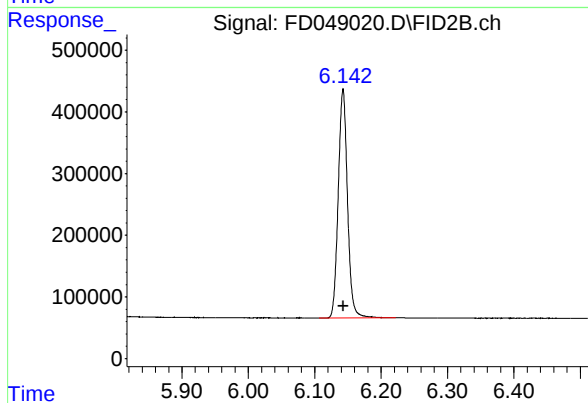
#2 n-Decane (C10)

R.T.: 4.150 min
Delta R.T.: 0.000 min
Response: 3513389
Conc: 21.55 ug/ml



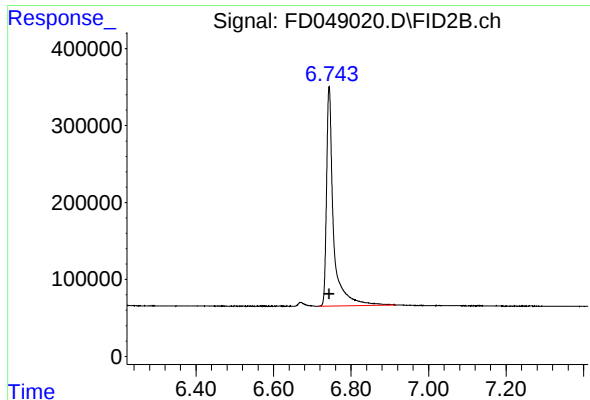
#3 A~Naphthalene (C11.7)

R.T.: 5.697 min
Delta R.T.: 0.000 min
Response: 3718373
Conc: 21.76 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.143 min
Delta R.T.: 0.000 min
Response: 3592769
Conc: 21.69 ug/ml



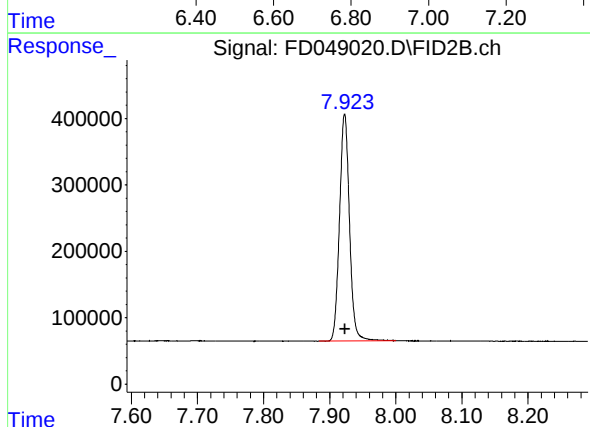
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.744 min
Delta R.T.: 0.000 min
Response: 3591014
Conc: 22.28 ug/ml

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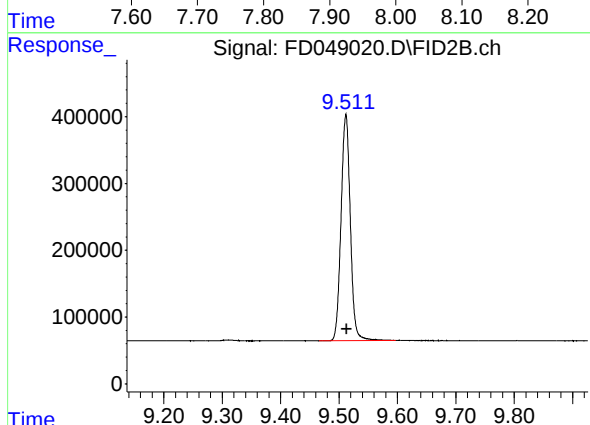
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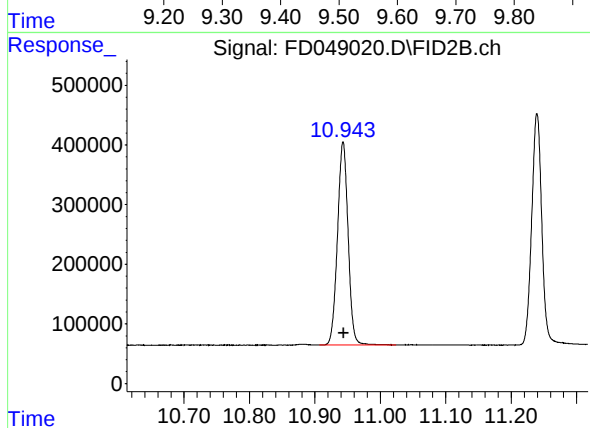
#6 n-Tetradecane (C14)

R.T.: 7.923 min
Delta R.T.: 0.000 min
Response: 3576814
Conc: 21.64 ug/ml



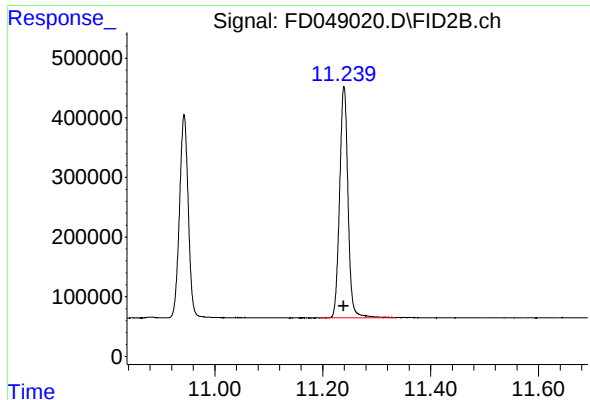
#7 n-Hexadecane (C16)

R.T.: 9.512 min
Delta R.T.: -0.001 min
Response: 3739392
Conc: 21.69 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.943 min
Delta R.T.: 0.000 min
Response: 3840618
Conc: 21.78 ug/ml



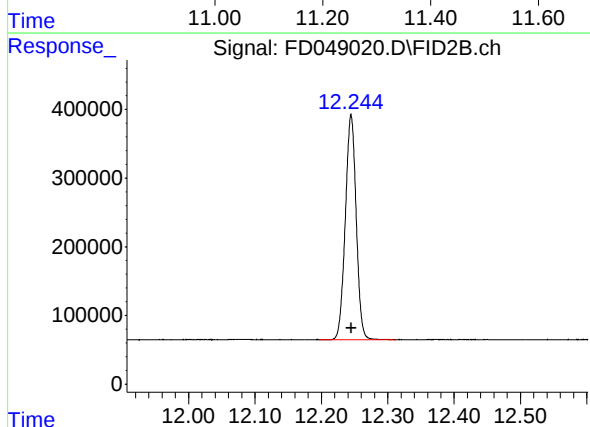
#9 ortho-Terphenyl (SURR)

R.T.: 11.240 min
Delta R.T.: 0.000 min
Response: 4194667
Conc: 21.72 ug/ml

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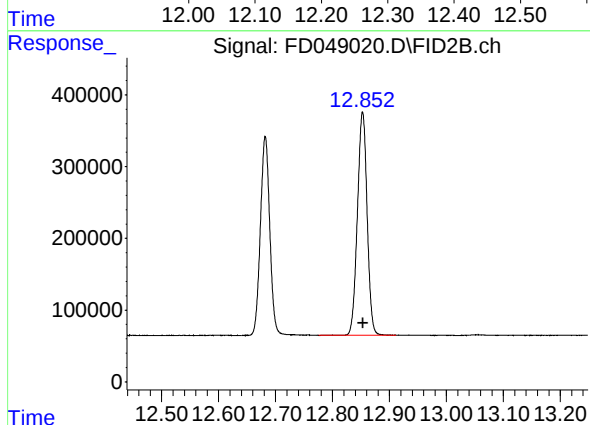
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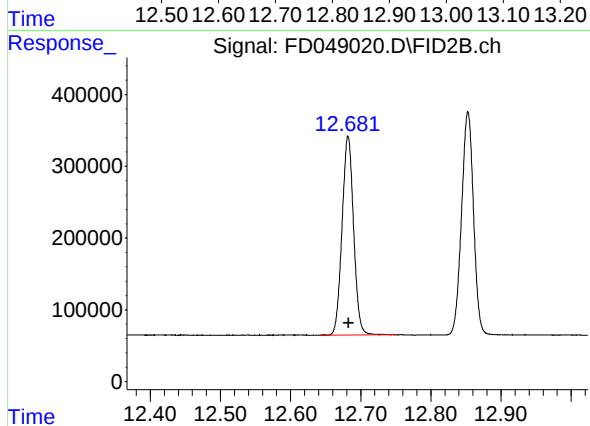
#10 n-Eicosane (C20)

R.T.: 12.245 min
Delta R.T.: 0.000 min
Response: 3721825
Conc: 21.63 ug/ml



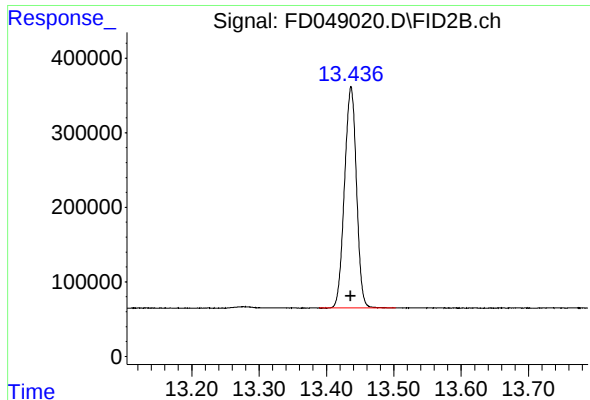
#11 n-Heneicosane (C21)

R.T.: 12.853 min
Delta R.T.: 0.000 min
Response: 3682013
Conc: 21.62 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.682 min
Delta R.T.: 0.000 min
Response: 3165892
Conc: 21.57 ug/ml



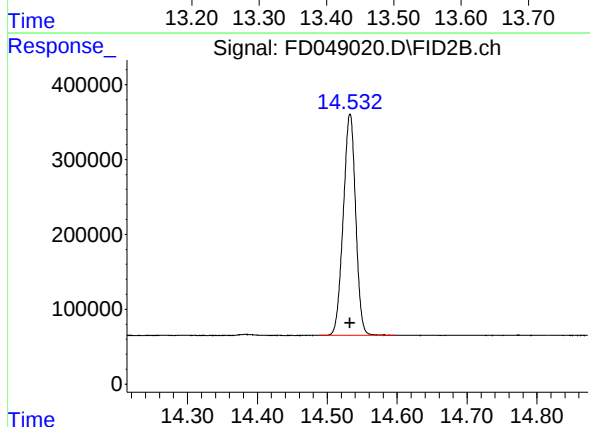
#13 n-Docosane (C22)

R.T.: 13.437 min
Delta R.T.: 0.000 min
Response: 3666199
Conc: 21.56 ug/ml

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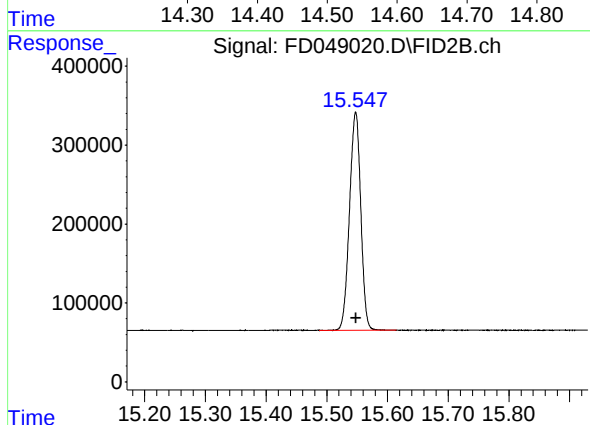
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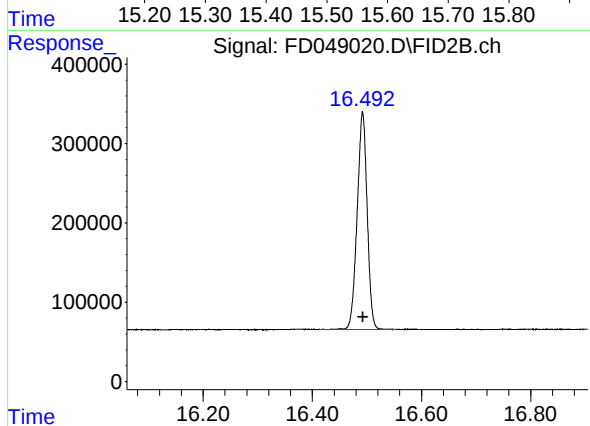
#14 n-Tetracosane (C24)

R.T.: 14.533 min
Delta R.T.: 0.000 min
Response: 3646542
Conc: 21.40 ug/ml



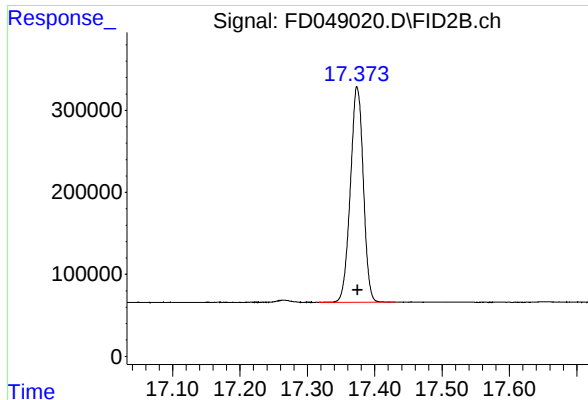
#15 n-Hexacosane (C26)

R.T.: 15.548 min
Delta R.T.: 0.000 min
Response: 3568407
Conc: 21.30 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.492 min
Delta R.T.: 0.000 min
Response: 3486564
Conc: 20.96 ug/ml



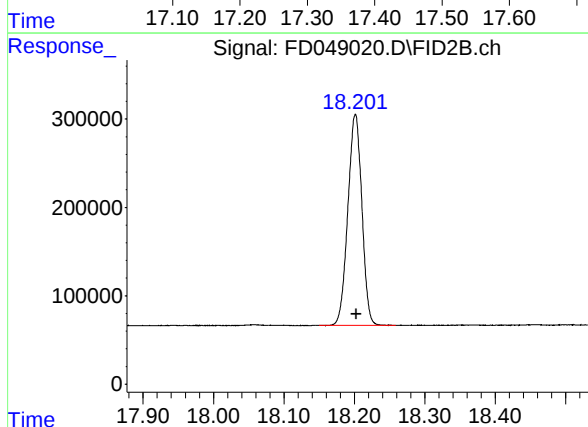
#17 n-Tricontane (C30)

R.T.: 17.374 min
Delta R.T.: -0.001 min
Response: 3503101
Conc: 20.41 ug/ml

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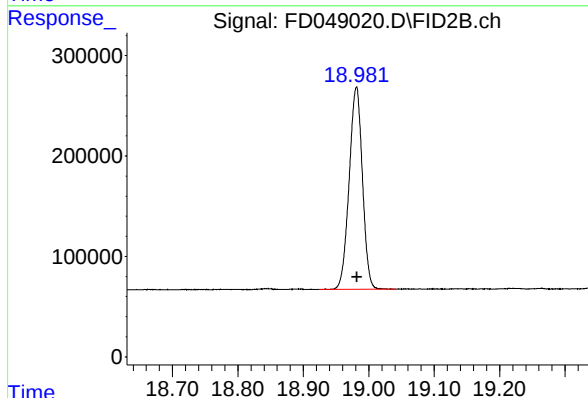
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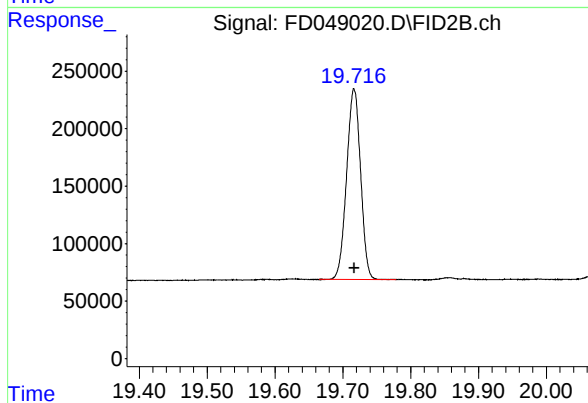
#18 n-Dotriacontane (C32)

R.T.: 18.201 min
Delta R.T.: -0.001 min
Response: 3308857
Conc: 20.24 ug/ml



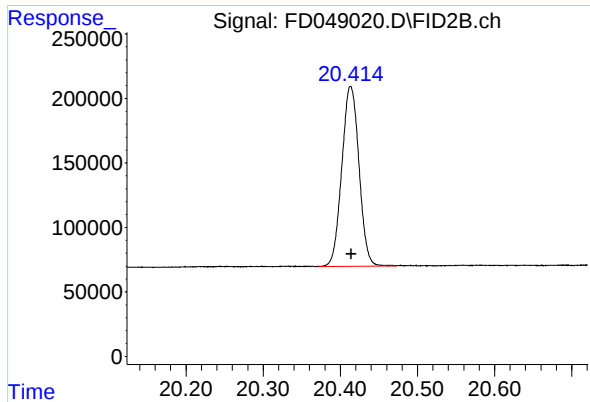
#19 n-Tetatriacontane (C34)

R.T.: 18.981 min
Delta R.T.: 0.000 min
Response: 2834253
Conc: 20.34 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.717 min
Delta R.T.: 0.000 min
Response: 2376912
Conc: 20.67 ug/ml



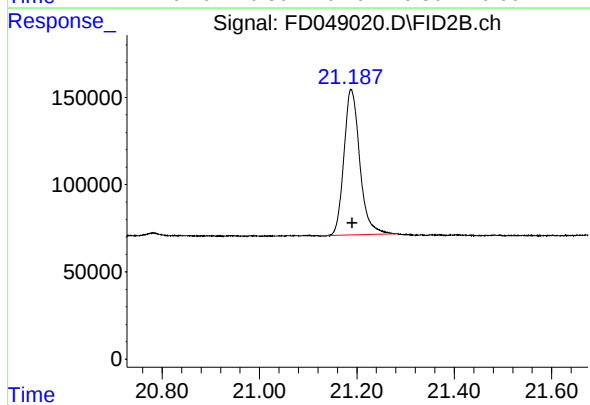
#21 n-Octatriacontane (C38)

R.T.: 20.414 min
Delta R.T.: 0.000 min
Response: 2159998
Conc: 20.85 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.188 min
Delta R.T.: -0.002 min
Response: 1882298
Conc: 19.64 ug/ml