

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020425AL\
 Data File : FF015461.D
 Signal(s) : FID2B.ch
 Acq On : 04 Feb 2025 13:28
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/05/2025
 Supervised By :Ankita Jodhani 02/05/2025

Integration File: autoint1.e
 Quant Time: Feb 05 02:07:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 011425.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 14 15:33:37 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)	11.935	2757728	17.345 ug/ml
Spiked Amount 50.000		Recovery =	34.69%
12) S 1-chlorooctadecane (S...	13.373	2094376	16.800 ug/ml
Spiked Amount 50.000		Recovery =	33.60%
Target Compounds			
1) T n-Nonane (C9)	3.317	2446142	18.634 ug/ml
2) T n-Decane (C10)	4.571	2544250	19.021 ug/ml
3) T A~Naphthalene (C11.7)	6.276	2692820	18.515 ug/ml
4) T n-Dodecane (C12)	6.736	2599376	19.276 ug/ml
5) T A~2-methylnaphthalene...	7.371	2586813	18.384 ug/ml
6) T n-Tetradecane (C14)	8.564	2594257	19.201 ug/ml
7) T n-Hexadecane (C16)	10.171	2672369	18.860 ug/ml
8) T n-Octadecane (C18)	11.616	2667919	18.218 ug/ml
10) T n-Eicosane (C20)	12.928	2512576	17.427 ug/ml
11) T n-Heneicosane (C21)	13.540	2434542	17.055 ug/ml
13) T n-Docosane (C22)	14.127	2400994	16.751 ug/mlm
14) T n-Tetracosane (C24)	15.232	2352161	16.215 ug/mlm
15) T n-Hexacosane (C26)	16.255	2292980	16.135 ug/ml
16) T n-Octacosane (C28)	17.207	2362429	16.977 ug/ml
17) T n-Tricontane (C30)	18.096	2591223	18.605 ug/ml
18) T n-Dotriacontane (C32)	18.932	2608390	19.998 ug/mlm
19) T n-Tetratriacontane (C34)	19.716	2248229	20.681 ug/ml
20) T n-Hexatriacontane (C36)	20.456	1932844	21.976 ug/mlm
21) T n-Octatriacontane (C38)	21.198	1808245	21.942 ug/mlm
22) T n-Tetracontane (C40)	22.118	1814594	22.871 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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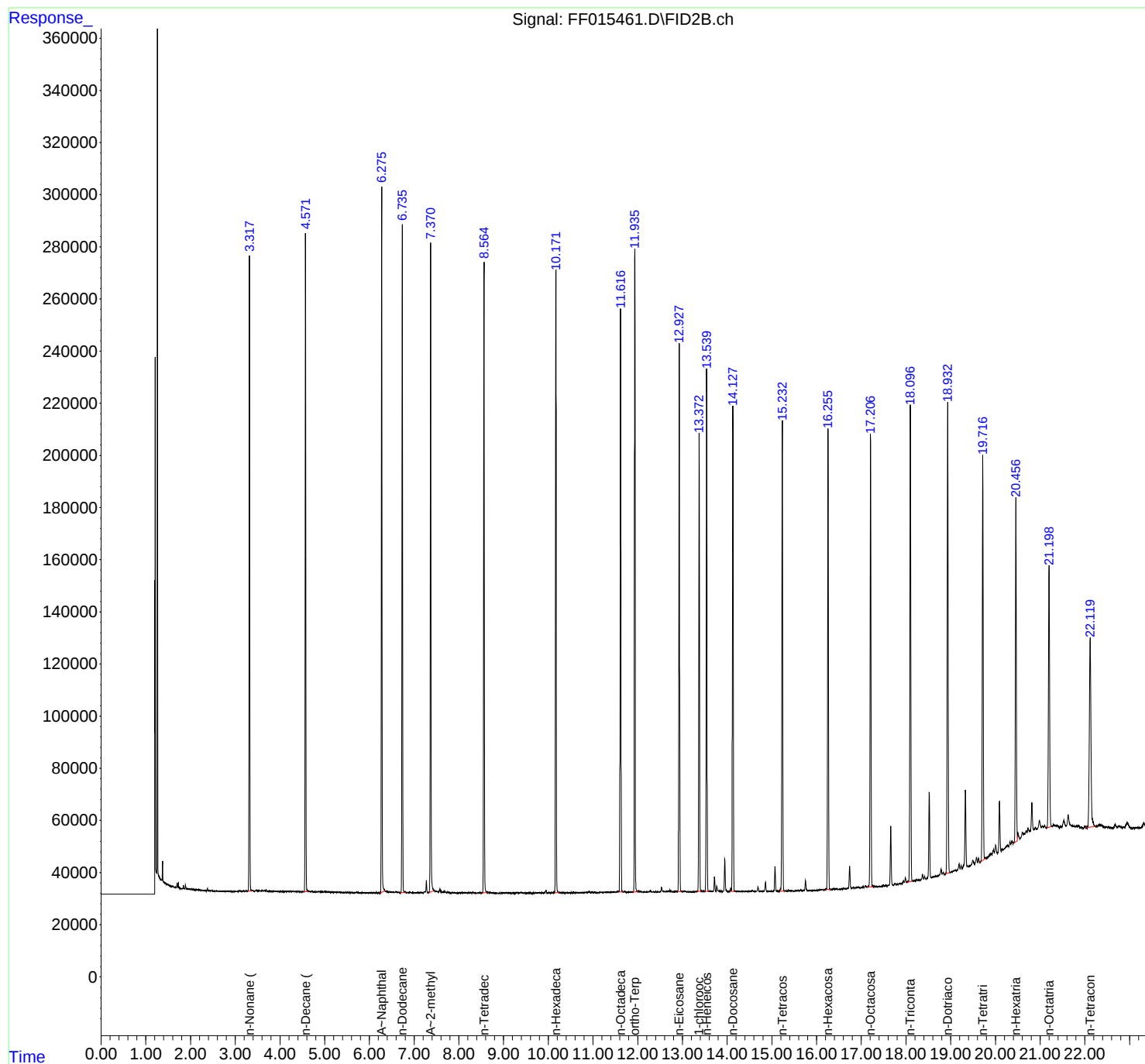
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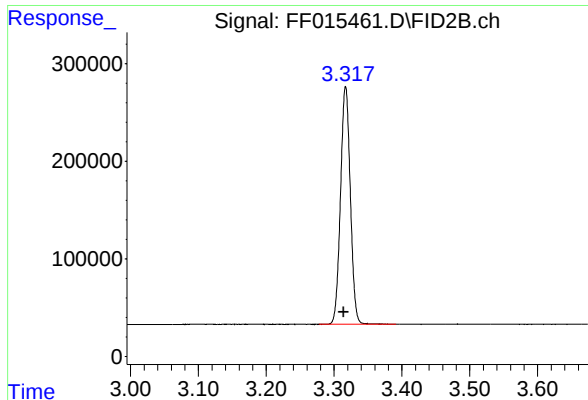
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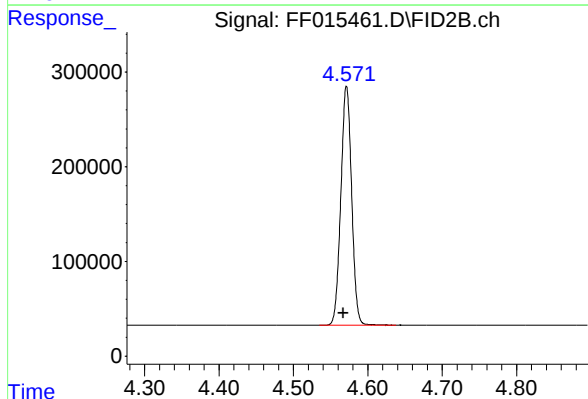
#1 n-Nonane (C9)

R.T.: 3.317 min
Delta R.T.: 0.003 min
Response: 2446142
Conc: 18.63 ug/ml

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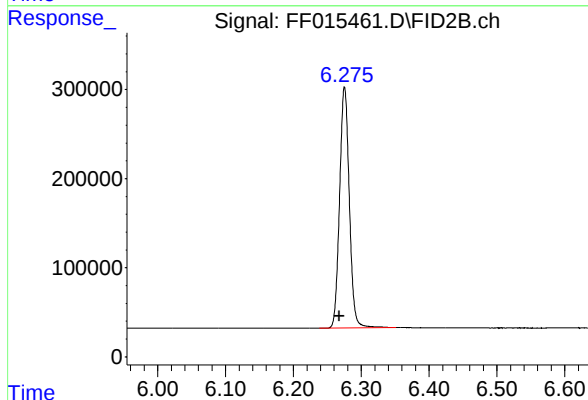
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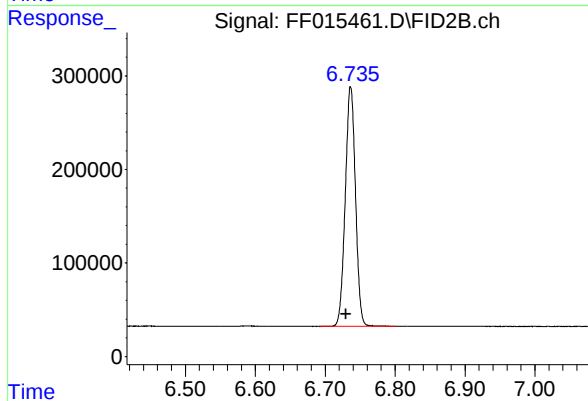
#2 n-Decane (C10)

R.T.: 4.571 min
Delta R.T.: 0.004 min
Response: 2544250
Conc: 19.02 ug/ml



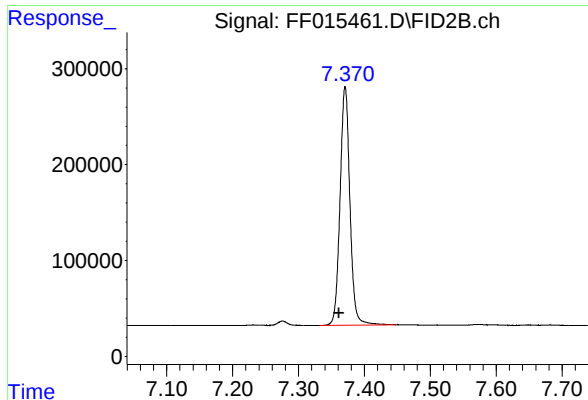
#3 A~Naphthalene (C11.7)

R.T.: 6.276 min
Delta R.T.: 0.008 min
Response: 2692820
Conc: 18.51 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.736 min
Delta R.T.: 0.007 min
Response: 2599376
Conc: 19.28 ug/ml



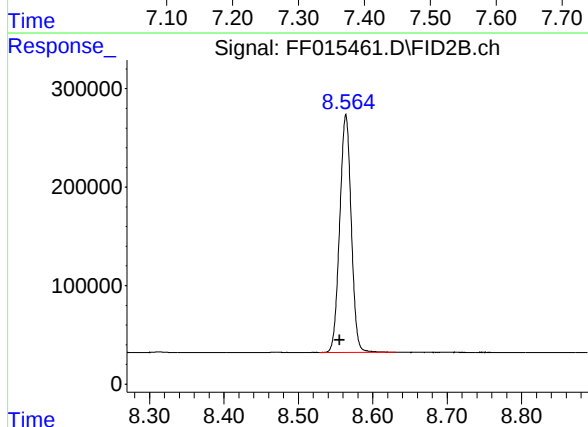
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.371 min
Delta R.T.: 0.010 min
Response: 2586813
Conc: 18.38 ug/ml

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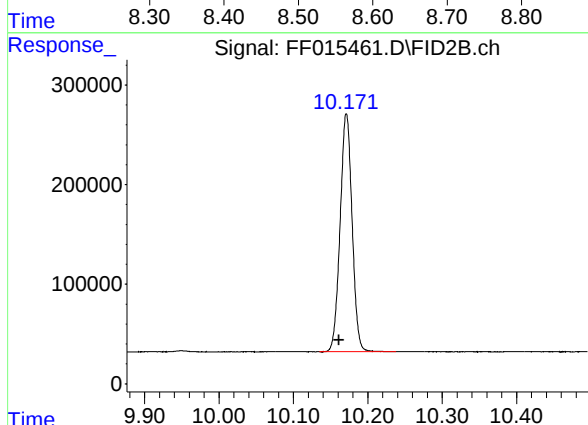
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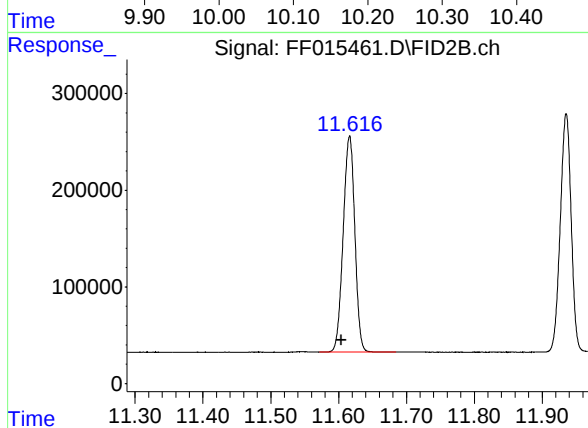
#6 n-Tetradecane (C14)

R.T.: 8.564 min
Delta R.T.: 0.009 min
Response: 2594257
Conc: 19.20 ug/ml



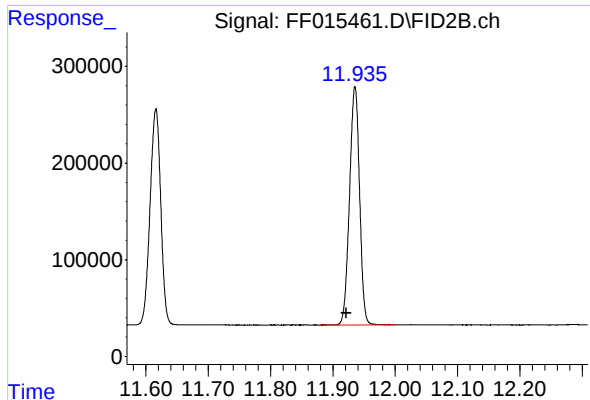
#7 n-Hexadecane (C16)

R.T.: 10.171 min
Delta R.T.: 0.010 min
Response: 2672369
Conc: 18.86 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.616 min
Delta R.T.: 0.012 min
Response: 2667919
Conc: 18.22 ug/ml



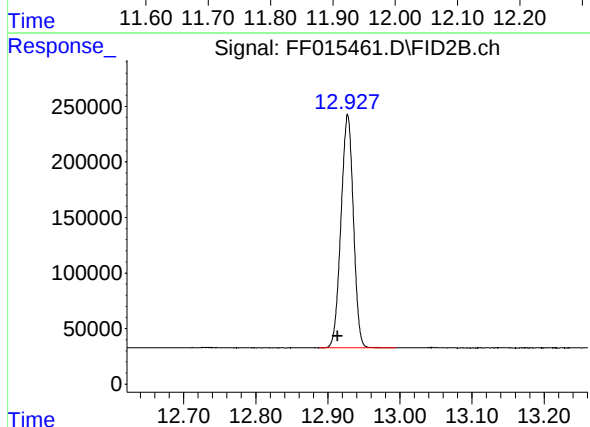
#9 ortho-Terphenyl (SURR)

R.T.: 11.935 min
Delta R.T.: 0.014 min
Response: 2757728
Conc: 17.35 ug/ml

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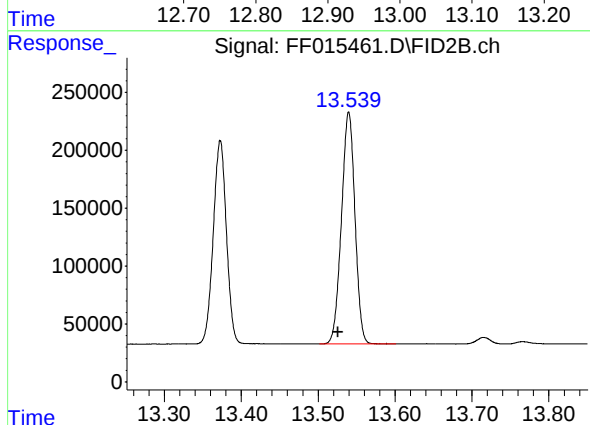
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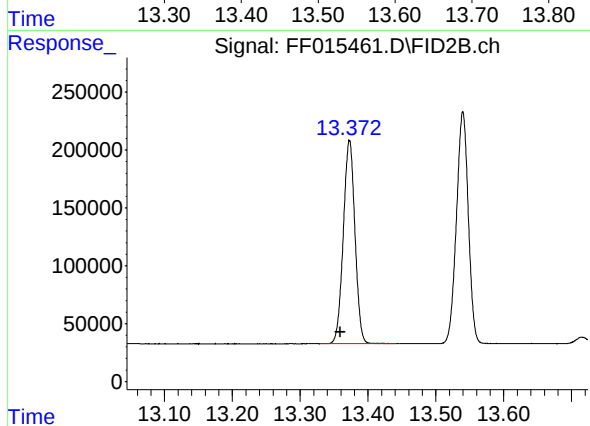
#10 n-Eicosane (C20)

R.T.: 12.928 min
Delta R.T.: 0.014 min
Response: 2512576
Conc: 17.43 ug/ml



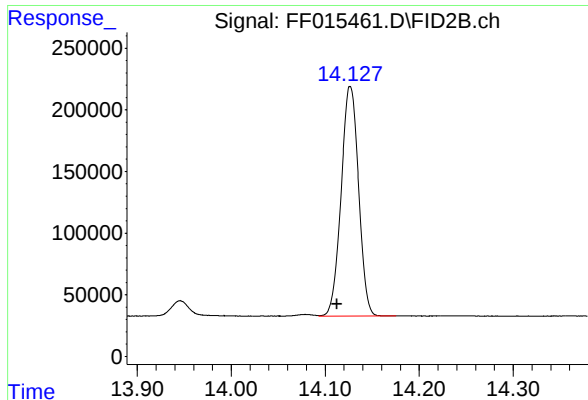
#11 n-Heneicosane (C21)

R.T.: 13.540 min
Delta R.T.: 0.014 min
Response: 2434542
Conc: 17.05 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.373 min
Delta R.T.: 0.013 min
Response: 2094376
Conc: 16.80 ug/ml



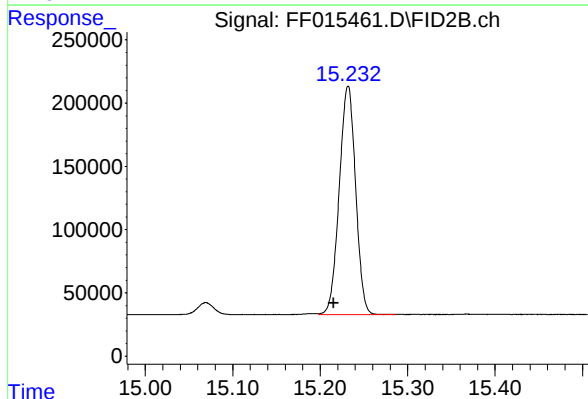
#13 n-Docosane (C22)

R.T.: 14.127 min
Delta R.T.: 0.014 min
Response: 2400994
Conc: 16.75 ug/ml

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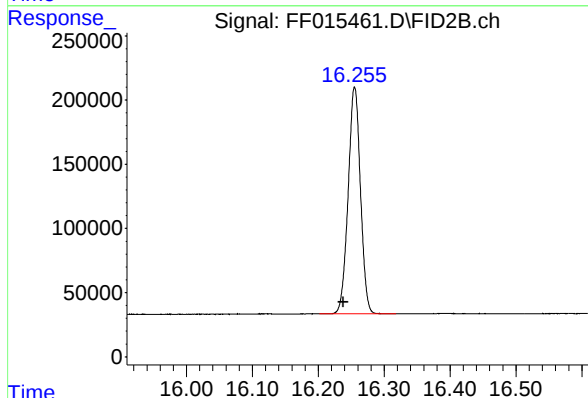
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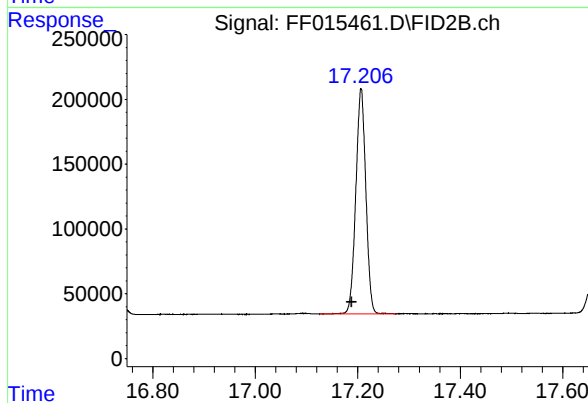
#14 n-Tetracosane (C24)

R.T.: 15.232 min
Delta R.T.: 0.017 min
Response: 2352161
Conc: 16.21 ug/ml m



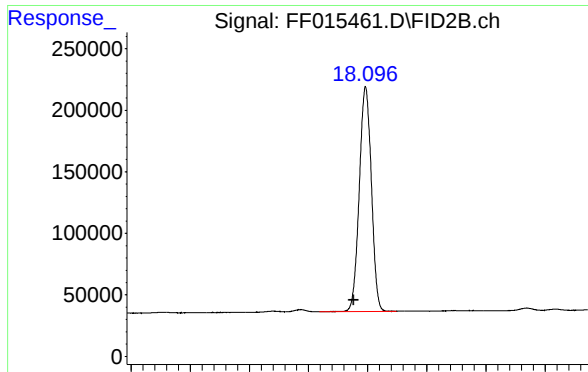
#15 n-Hexacosane (C26)

R.T.: 16.255 min
Delta R.T.: 0.017 min
Response: 2292980
Conc: 16.14 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.207 min
Delta R.T.: 0.018 min
Response: 2362429
Conc: 16.98 ug/ml



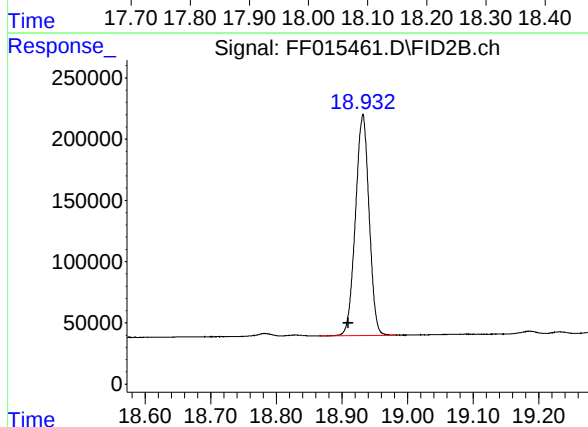
#17 n-Tricontane (C30)

R.T.: 18.096 min
Delta R.T.: 0.020 min
Response: 2591223
Conc: 18.61 ug/ml

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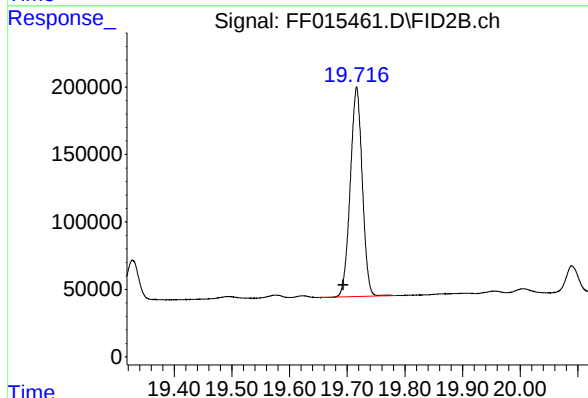
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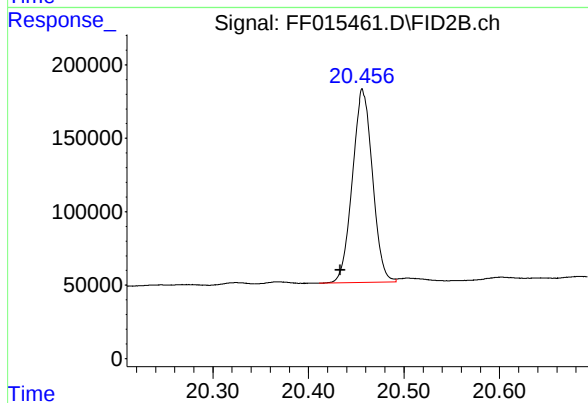
#18 n-Dotriacontane (C32)

R.T.: 18.932 min
Delta R.T.: 0.023 min
Response: 2608390
Conc: 20.00 ug/ml m



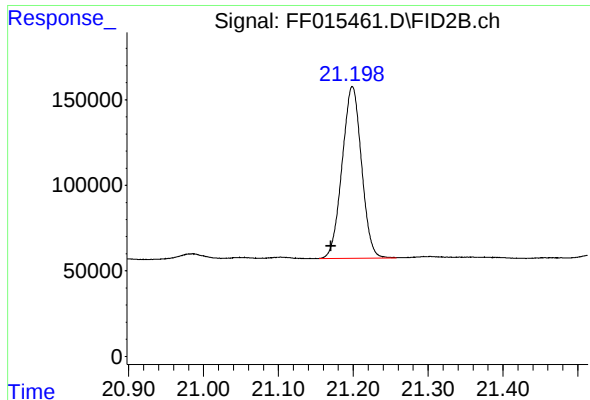
#19 n-Tetratriacontane (C34)

R.T.: 19.716 min
Delta R.T.: 0.023 min
Response: 2248229
Conc: 20.68 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.456 min
Delta R.T.: 0.023 min
Response: 1932844
Conc: 21.98 ug/ml m



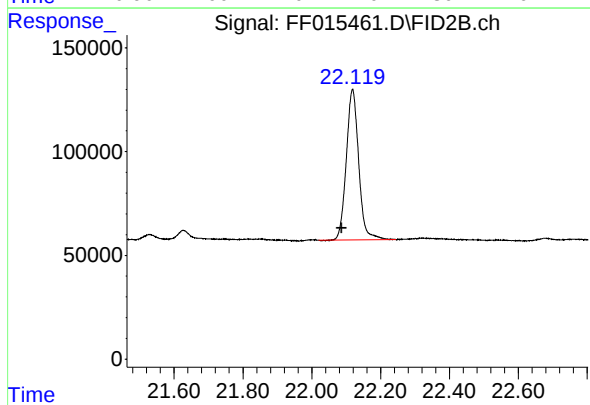
#21 n-Octatriacontane (C38)

R.T.: 21.198 min
Delta R.T.: 0.028 min
Response: 1808245
Conc: 21.94 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.118 min
Delta R.T.: 0.032 min
Response: 1814594
Conc: 22.87 ug/ml