

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF012825AL\
 Data File : FF015346.D
 Signal(s) : FID2B.ch
 Acq On : 29 Jan 2025 03:15
 Operator : YP\AJ
 Sample : Q1168-01
 Misc : 4 PPM SOIL LOD
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/29/2025
 Supervised By :Ankita Jodhani 01/29/2025

Integration File: autoint1.e
 Quant Time: Jan 29 05:15:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 011425.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 14 11:45:29 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			
12) S 1-chlorooctadecane (S...	13.367	4425403	36.345 ug/ml
Spiked Amount 50.000		Recovery =	72.69%
Target Compounds			
1) T n-Nonane (C9)	3.315	312327	2.406 ug/ml
2) T n-Decane (C10)	4.568	368363	2.772 ug/ml
4) T n-Dodecane (C12)	6.731	426180	3.135 ug/ml
6) T n-Tetradecane (C14)	8.557	423369	3.079 ug/ml
7) T n-Hexadecane (C16)	10.165	426249	2.942 ug/ml
8) T n-Octadecane (C18)	11.608	464501	3.125 ug/ml
10) T n-Eicosane (C20)	12.919	477810	3.329 ug/ml
11) T n-Heneicosane (C21)	13.531	465564	3.293 ug/ml
13) T n-Docosane (C22)	14.120	457962	3.257 ug/ml
14) T n-Tetracosane (C24)	15.224	441390	3.171 ug/ml
15) T n-Hexacosane (C26)	16.247	419932	3.100 ug/ml
16) T n-Octacosane (C28)	17.198	405849	3.084 ug/ml
17) T n-Tricontane (C30)	18.087	406347	3.063 ug/ml
18) T n-Dotriacontane (C32)	18.921	404193	3.205 ug/ml
19) T n-Tetratriacontane (C34)	19.705	385904	3.544 ug/mlm
20) T n-Hexatriacontane (C36)	20.448	361923	3.877 ug/mlm
21) T n-Octatriacontane (C38)	21.189	351739	4.008 ug/mlm
22) T n-Tetracontane (C40)	22.116	280725	3.312 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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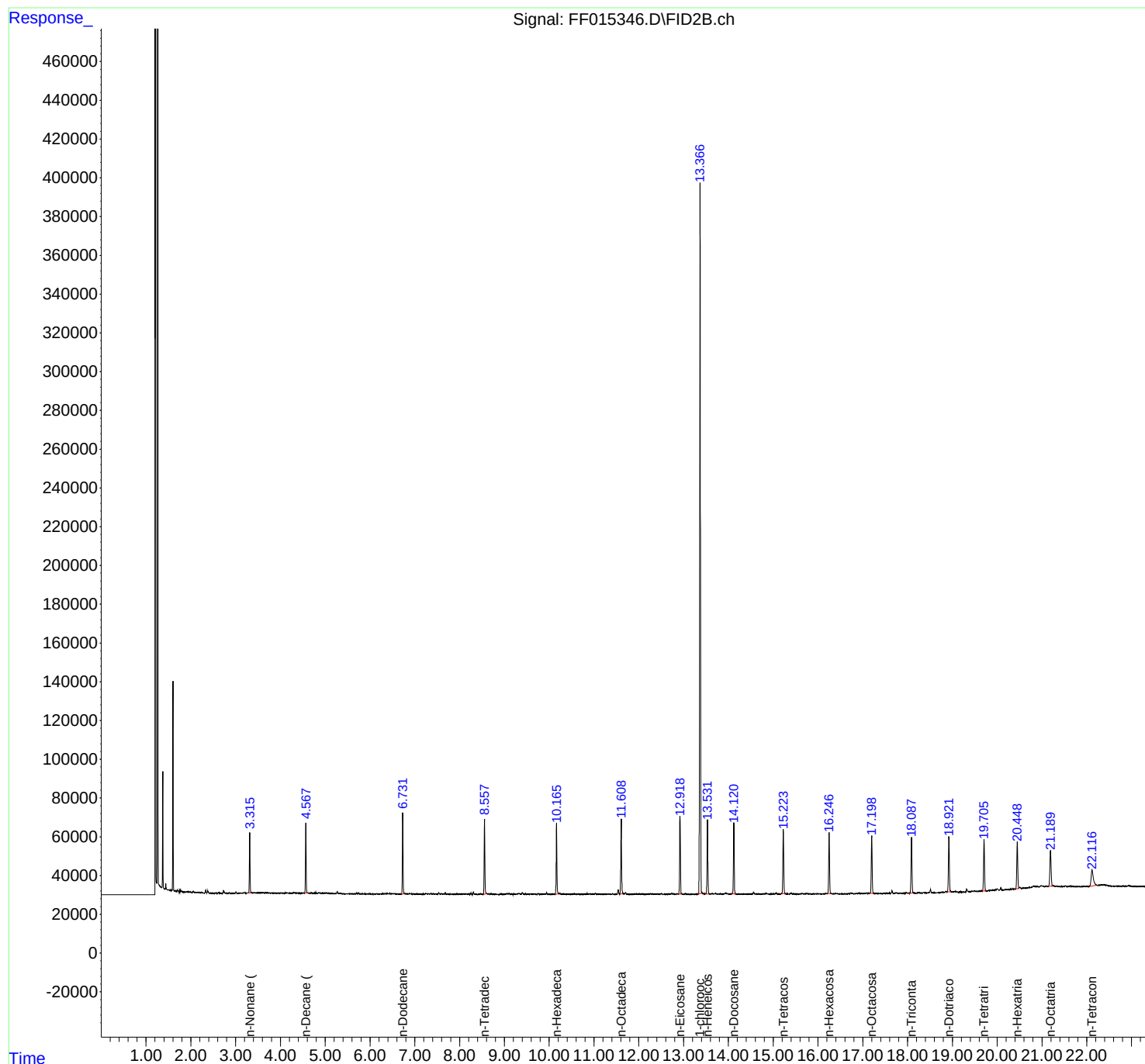
Instrument :
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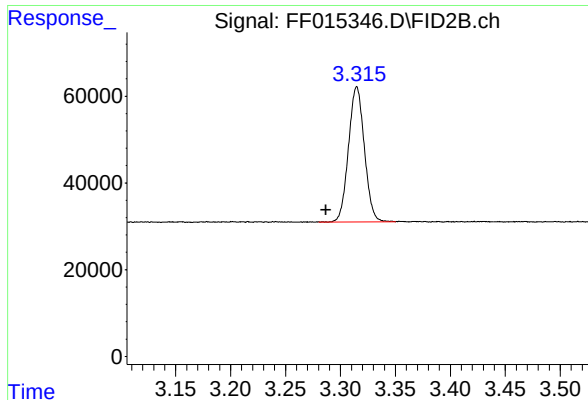
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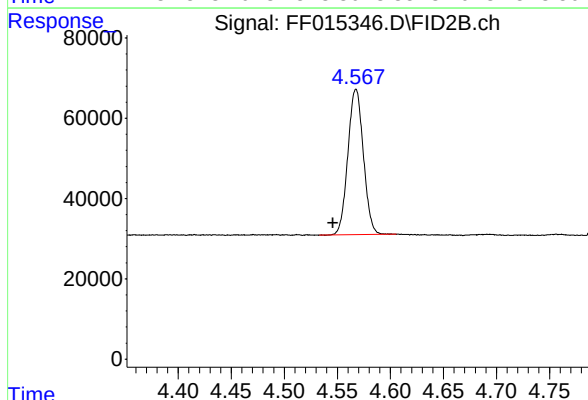
#1 n-Nonane (C9)

R.T.: 3.315 min
Delta R.T.: 0.028 min
Response: 312327
Conc: 2.41 ug/ml

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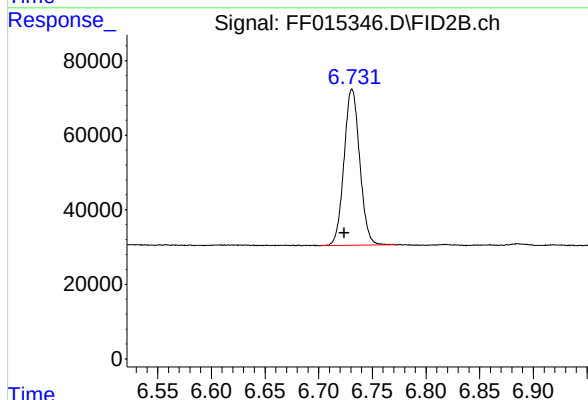
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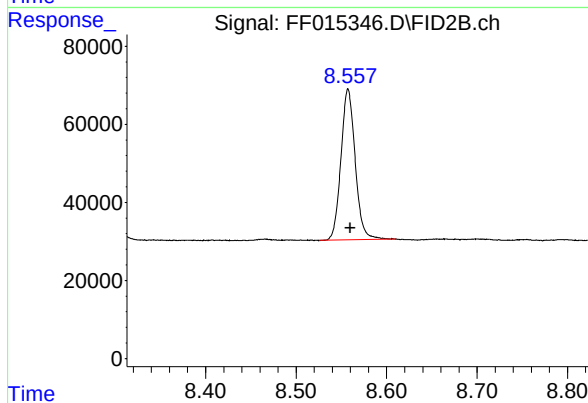
#2 n-Decane (C10)

R.T.: 4.568 min
Delta R.T.: 0.022 min
Response: 368363
Conc: 2.77 ug/ml



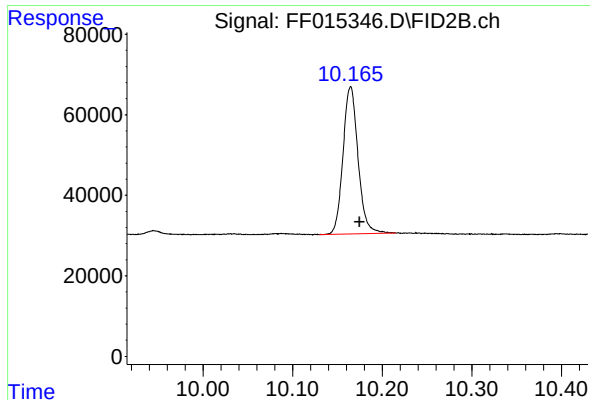
#4 n-Dodecane (C12)

R.T.: 6.731 min
Delta R.T.: 0.007 min
Response: 426180
Conc: 3.14 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.557 min
Delta R.T.: -0.002 min
Response: 423369
Conc: 3.08 ug/ml



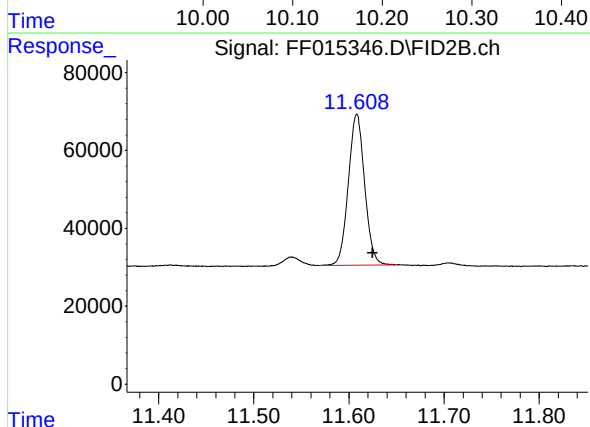
#7 n-Hexadecane (C16)

R.T.: 10.165 min
Delta R.T.: -0.010 min
Response: 426249
Conc: 2.94 ug/ml

Instrument : FID_F
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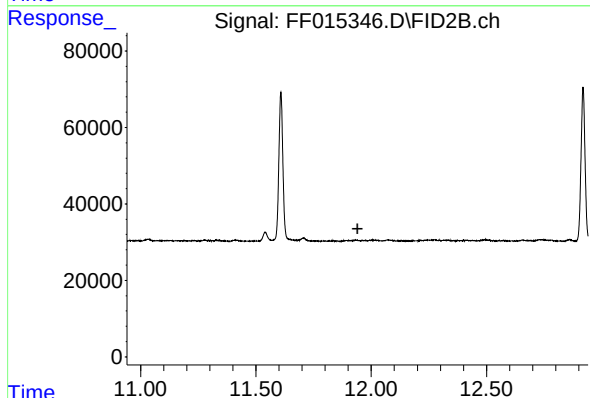
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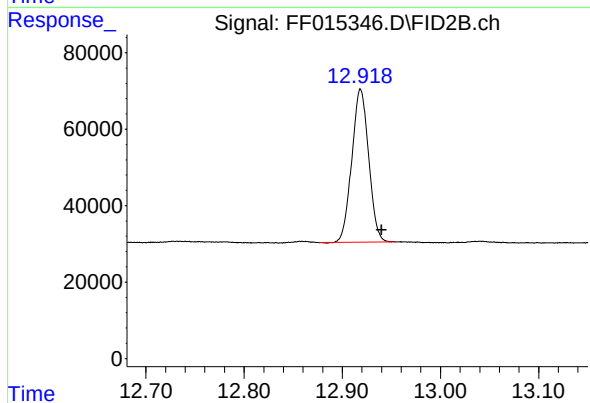
#8 n-Octadecane (C18)

R.T.: 11.608 min
Delta R.T.: -0.017 min
Response: 464501
Conc: 3.13 ug/ml



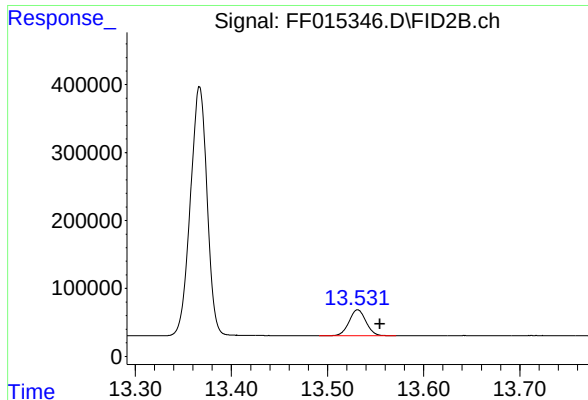
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.940 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.919 min
Delta R.T.: -0.021 min
Response: 477810
Conc: 3.33 ug/ml



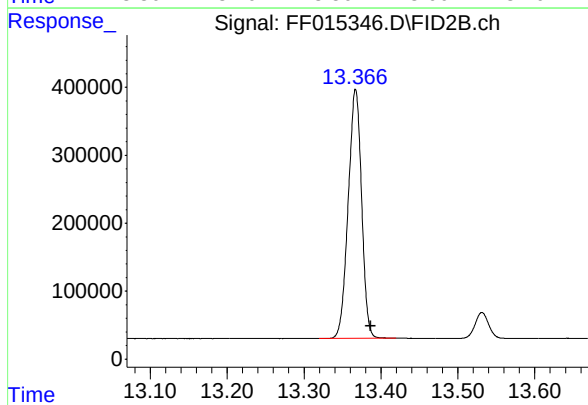
#11 n-Heneicosane (C21)

R.T.: 13.531 min
Delta R.T.: -0.023 min
Response: 465564
Conc: 3.29 ug/ml

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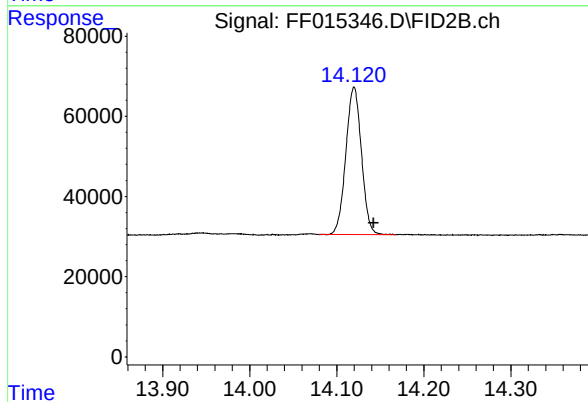
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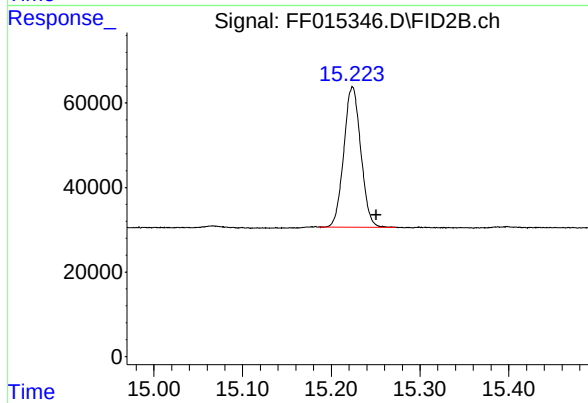
#12 1-chlorooctadecane (SURR)

R.T.: 13.367 min
Delta R.T.: -0.019 min
Response: 4425403
Conc: 36.34 ug/ml



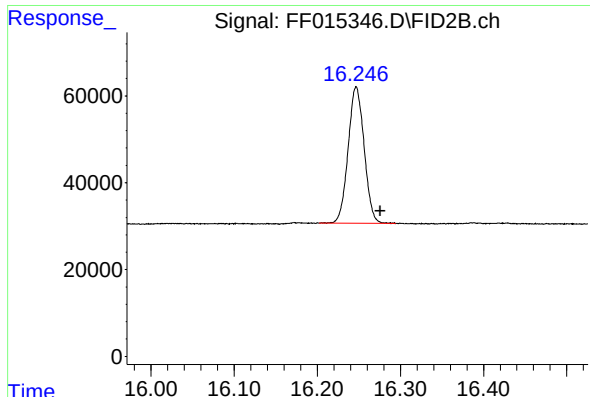
#13 n-Docosane (C22)

R.T.: 14.120 min
Delta R.T.: -0.023 min
Response: 457962
Conc: 3.26 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.224 min
Delta R.T.: -0.027 min
Response: 441390
Conc: 3.17 ug/ml



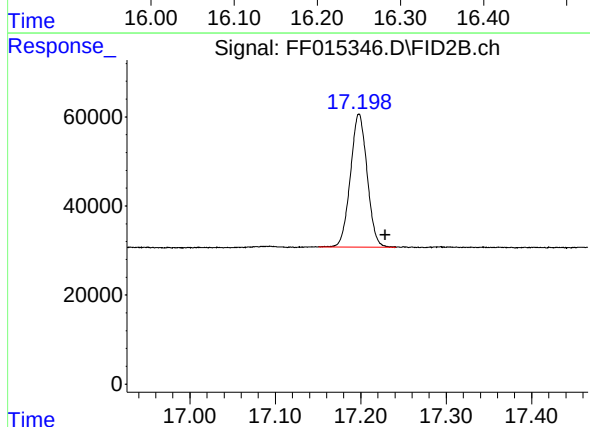
#15 n-Hexacosane (C26)

R.T.: 16.247 min
Delta R.T.: -0.029 min
Response: 419932
Conc: 3.10 ug/ml

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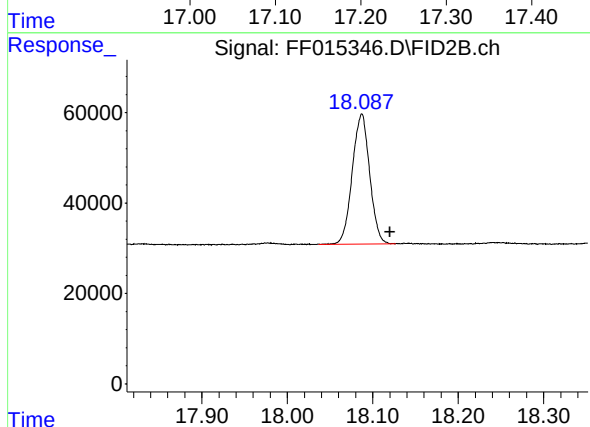
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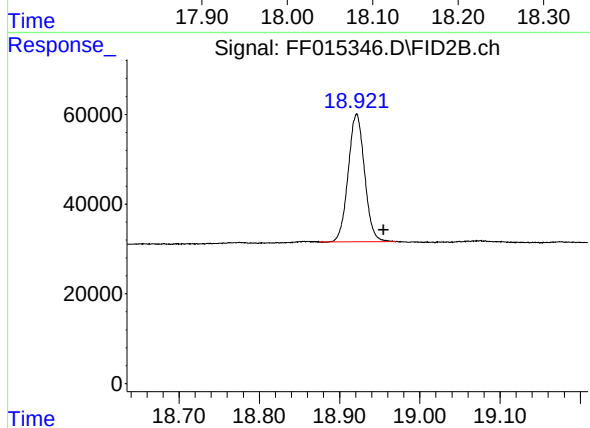
#16 n-Octacosane (C28)

R.T.: 17.198 min
Delta R.T.: -0.031 min
Response: 405849
Conc: 3.08 ug/ml



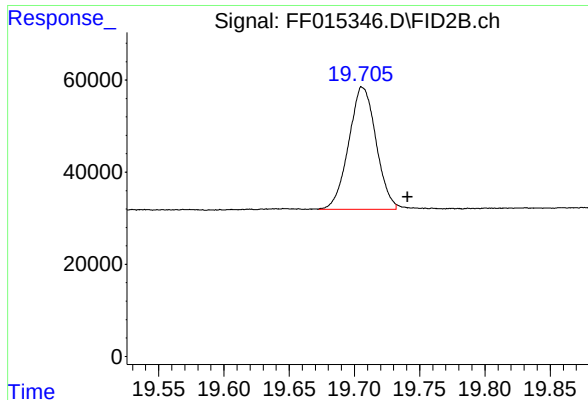
#17 n-Tricontane (C30)

R.T.: 18.087 min
Delta R.T.: -0.033 min
Response: 406347
Conc: 3.06 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.921 min
Delta R.T.: -0.034 min
Response: 404193
Conc: 3.20 ug/ml



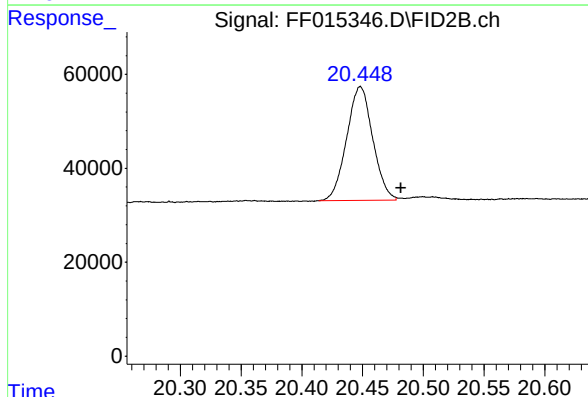
#19 n-Tetratriacontane (C34)

R.T.: 19.705 min
Delta R.T.: -0.036 min
Response: 385904
Conc: 3.54 ug/ml

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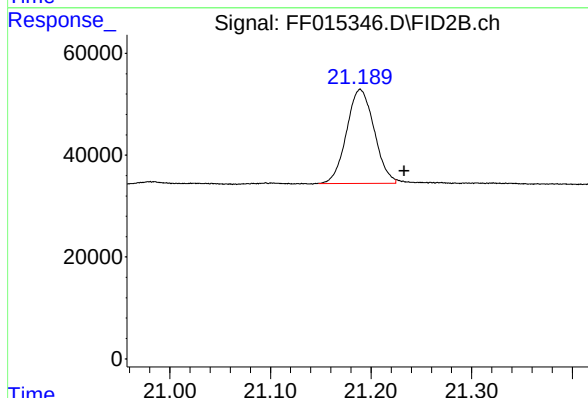
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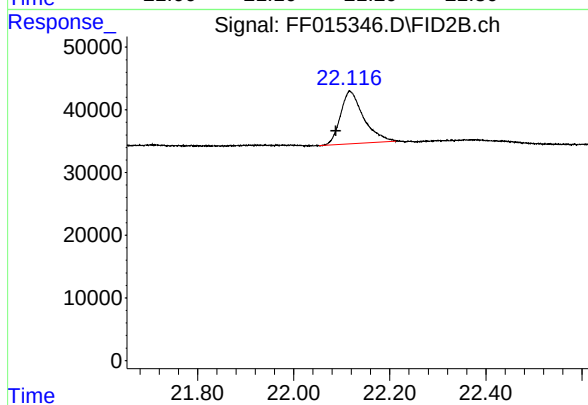
#20 n-Hexatriacontane (C36)

R.T.: 20.448 min
Delta R.T.: -0.033 min
Response: 361923
Conc: 3.88 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 21.189 min
Delta R.T.: -0.044 min
Response: 351739
Conc: 4.01 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 22.116 min
Delta R.T.: 0.028 min
Response: 280725
Conc: 3.31 ug/ml