

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF012825AL\
 Data File : FF015347.D
 Signal(s) : FID2B.ch
 Acq On : 29 Jan 2025 03:44
 Operator : YP\AJ
 Sample : Q1168-02
 Misc : 5 PPM SOIL LOQ
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 LOQ-SOIL-02-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 05:16:07 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	5197113	42.683 ug/ml
Spiked Amount 50.000		Recovery =	85.37%
Target Compounds			
1) T n-Nonane (C9)	3.315	387510	2.985 ug/ml
2) T n-Decane (C10)	4.568	452032	3.402 ug/ml
4) T n-Dodecane (C12)	6.731	504998	3.715 ug/ml
6) T n-Tetradecane (C14)	8.557	532305	3.871 ug/ml
7) T n-Hexadecane (C16)	10.164	553069	3.817 ug/ml
8) T n-Octadecane (C18)	11.608	605068	4.071 ug/ml
10) T n-Eicosane (C20)	12.918	610410	4.253 ug/ml
11) T n-Heneicosane (C21)	13.531	591057	4.180 ug/ml
13) T n-Docosane (C22)	14.118	580413	4.128 ug/ml
14) T n-Tetracosane (C24)	15.223	559950	4.023 ug/ml
15) T n-Hexacosane (C26)	16.246	533316	3.937 ug/ml
16) T n-Octacosane (C28)	17.198	517154	3.930 ug/ml
17) T n-Tricontane (C30)	18.087	521525	3.931 ug/ml
18) T n-Dotriacontane (C32)	18.921	521593	4.136 ug/ml
19) T n-Tetratriacontane (C34)	19.707	490661	4.506 ug/mlm
20) T n-Hexatriacontane (C36)	20.448	461711	4.945 ug/mlm
21) T n-Octatriacontane (C38)	21.189	452417	5.155 ug/mlm
22) T n-Tetracontane (C40)	22.120	371618	4.384 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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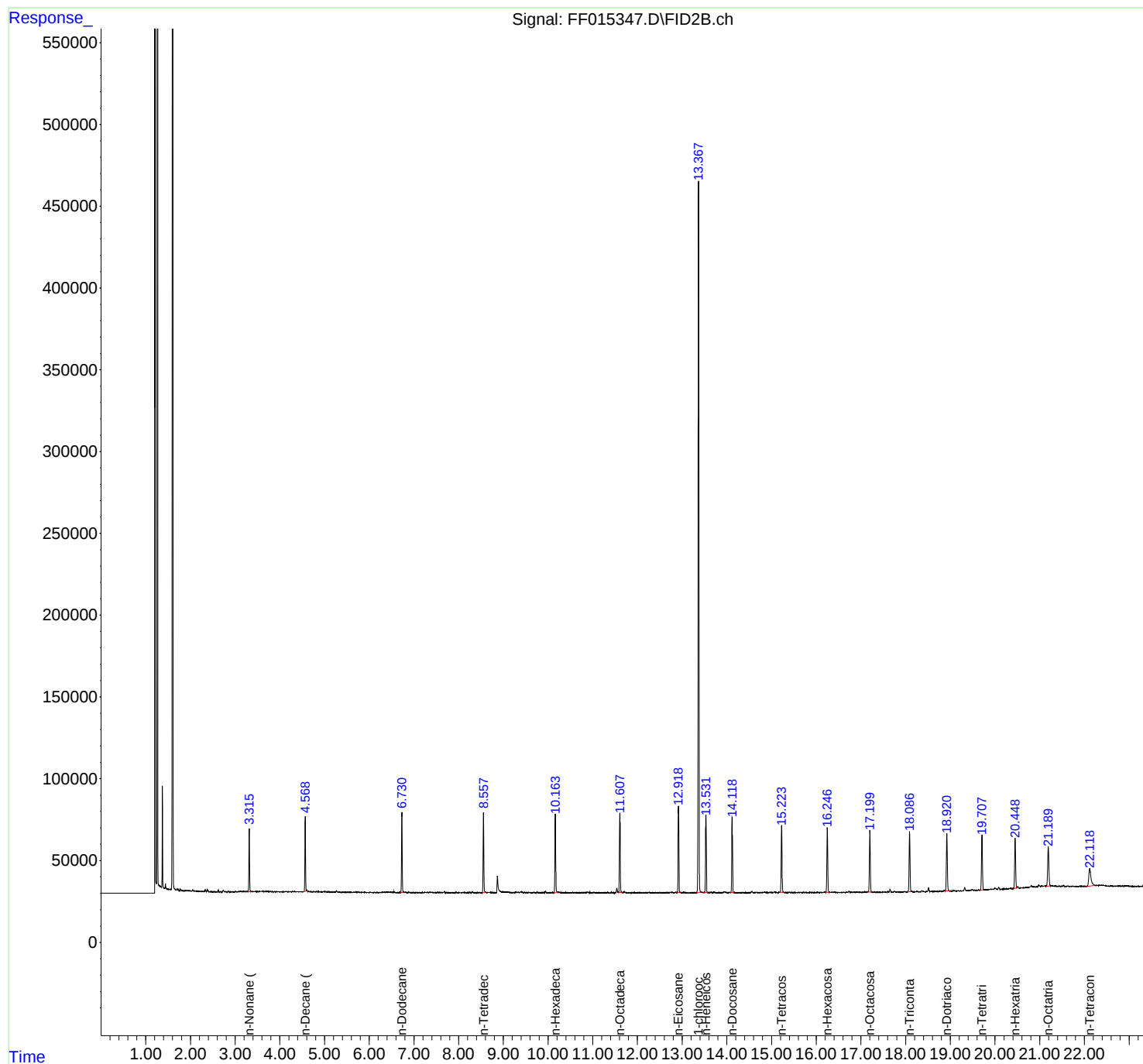
Instrument :
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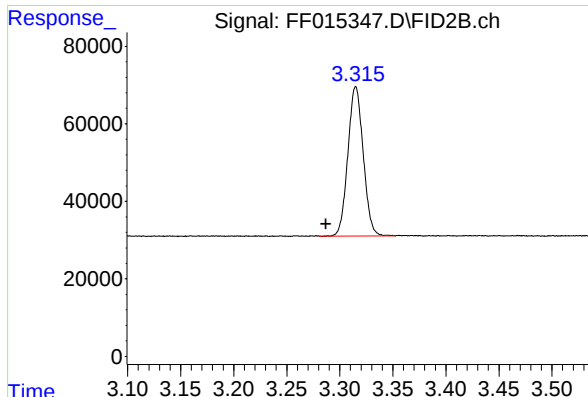
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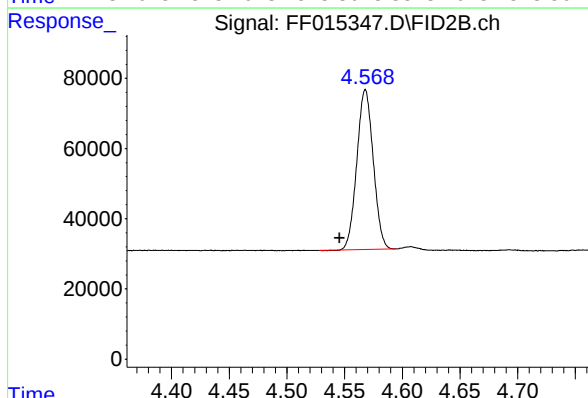
#1 n-Nonane (C9)

R.T.: 3.315 min
Delta R.T.: 0.028 min
Response: 387510
Conc: 2.98 ug/ml

Instrument : FID_F
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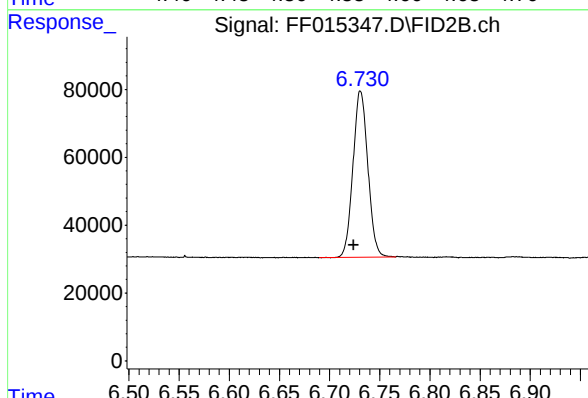
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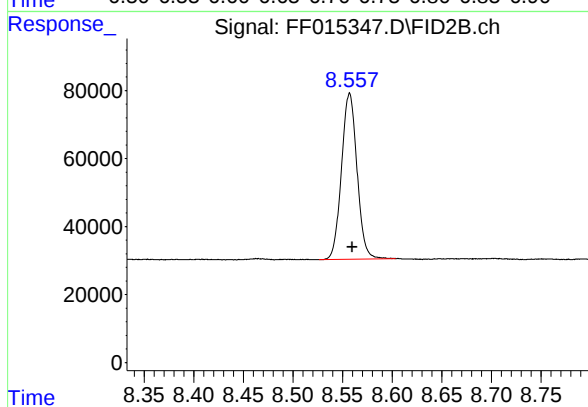
#2 n-Decane (C10)

R.T.: 4.568 min
Delta R.T.: 0.022 min
Response: 452032
Conc: 3.40 ug/ml



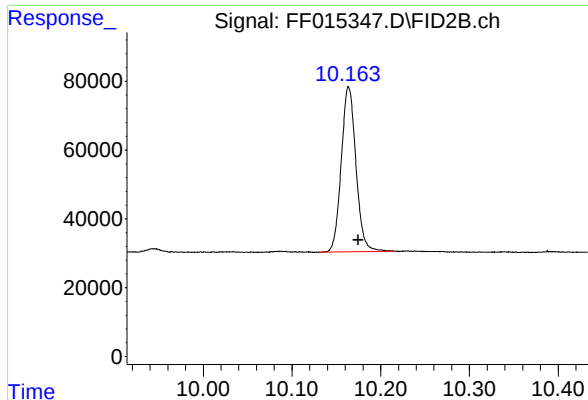
#4 n-Dodecane (C12)

R.T.: 6.731 min
Delta R.T.: 0.007 min
Response: 504998
Conc: 3.71 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.557 min
Delta R.T.: -0.003 min
Response: 532305
Conc: 3.87 ug/ml



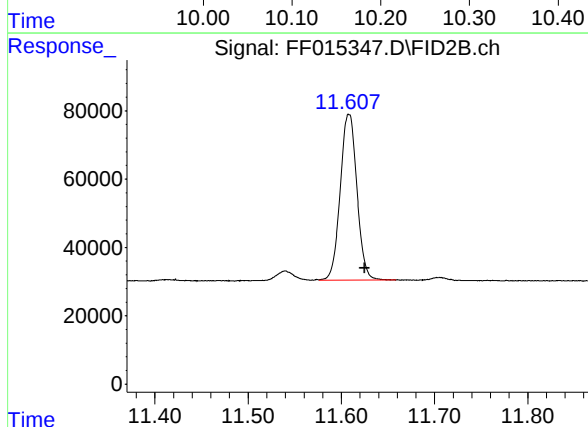
#7 n-Hexadecane (C16)

R.T.: 10.164 min
Delta R.T.: -0.011 min
Response: 553069
Conc: 3.82 ug/ml

Instrument : FID_F
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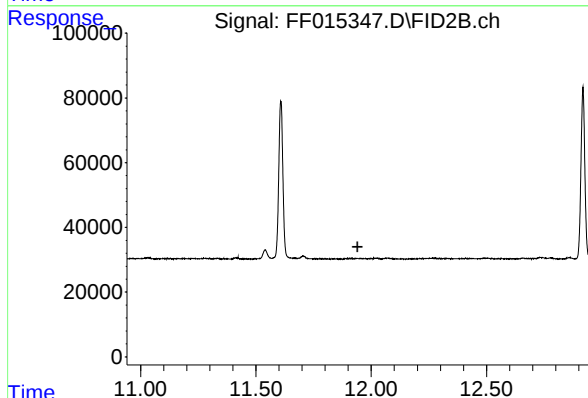
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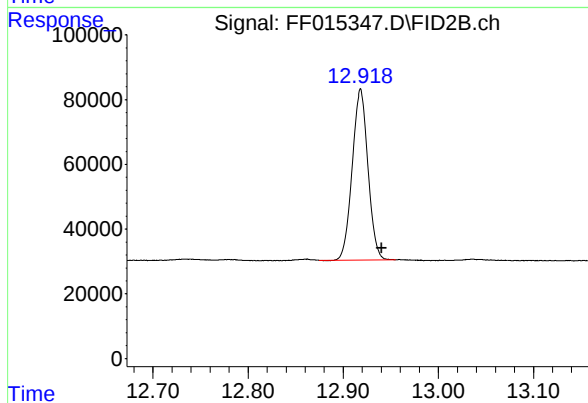
#8 n-Octadecane (C18)

R.T.: 11.608 min
Delta R.T.: -0.017 min
Response: 605068
Conc: 4.07 ug/ml



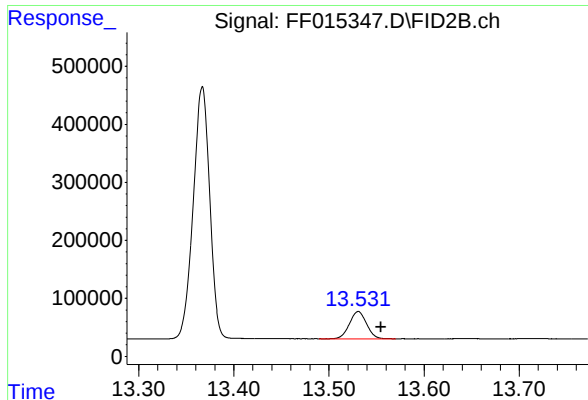
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

R.T.: 12.918 min
Delta R.T.: -0.022 min
Response: 610410
Conc: 4.25 ug/ml



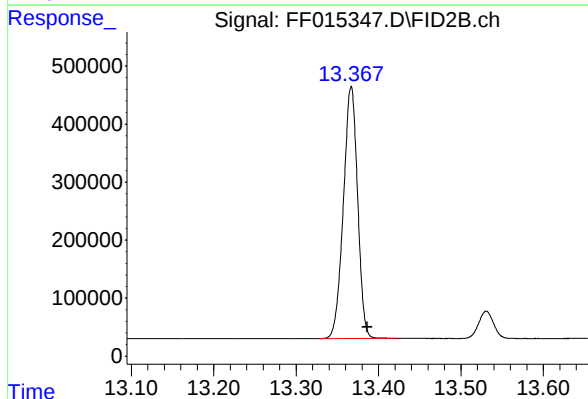
#11 n-Heneicosane (C21)

R.T.: 13.531 min
Delta R.T.: -0.024 min
Response: 591057
Conc: 4.18 ug/ml

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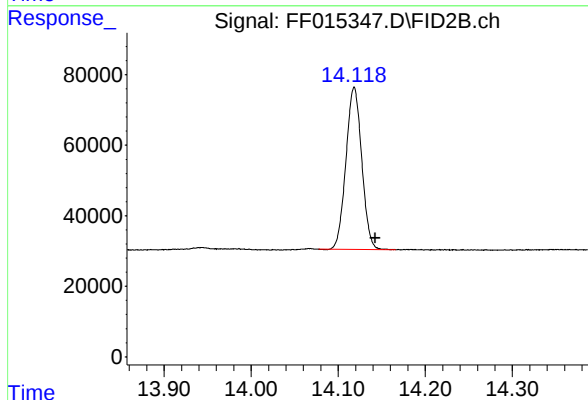
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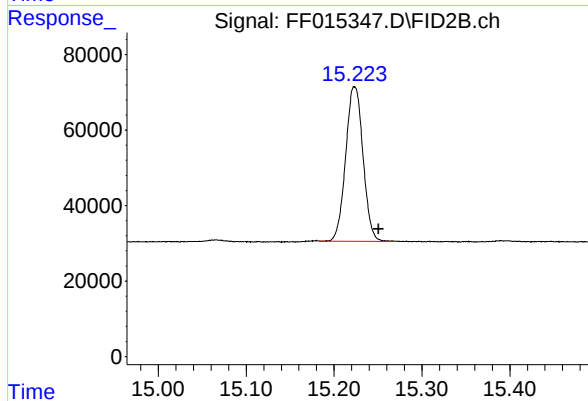
#12 1-chlorooctadecane (SURR)

R.T.: 13.367 min
Delta R.T.: -0.020 min
Response: 5197113
Conc: 42.68 ug/ml



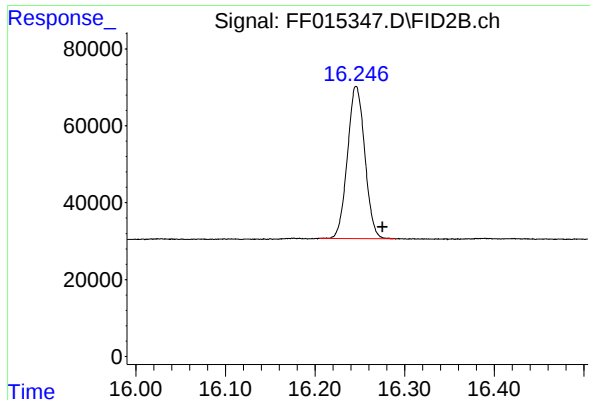
#13 n-Docosane (C22)

R.T.: 14.118 min
Delta R.T.: -0.024 min
Response: 580413
Conc: 4.13 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.223 min
Delta R.T.: -0.027 min
Response: 559950
Conc: 4.02 ug/ml



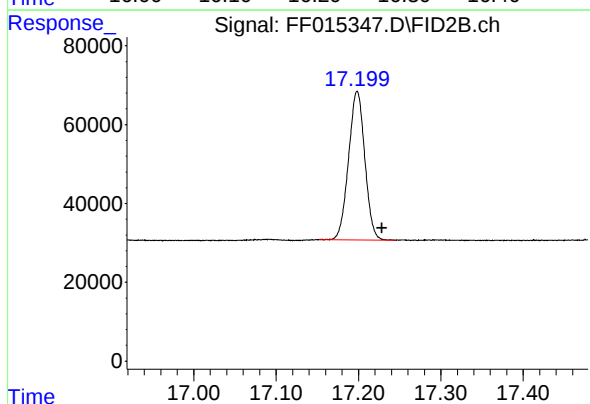
#15 n-Hexacosane (C26)

R.T.: 16.246 min
Delta R.T.: -0.030 min
Response: 533316
Conc: 3.94 ug/ml

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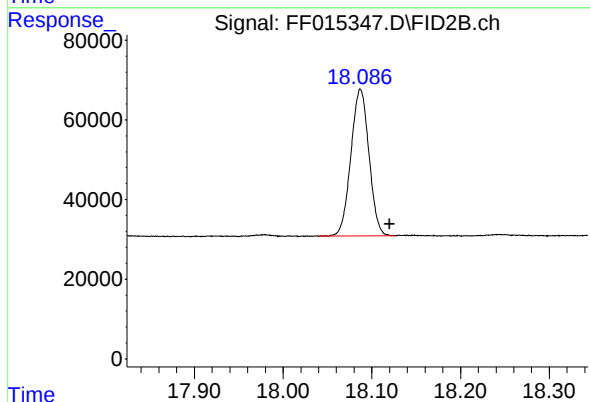
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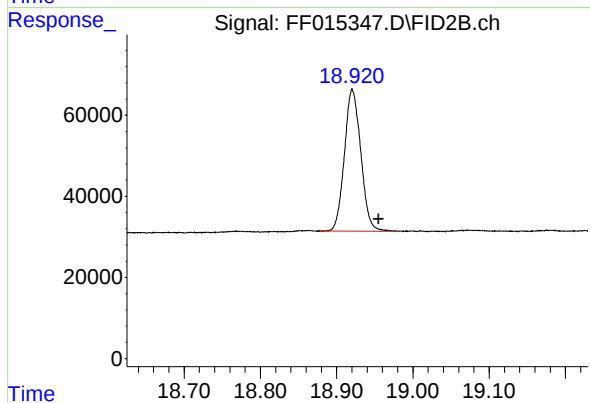
#16 n-Octacosane (C28)

R.T.: 17.198 min
Delta R.T.: -0.030 min
Response: 517154
Conc: 3.93 ug/ml



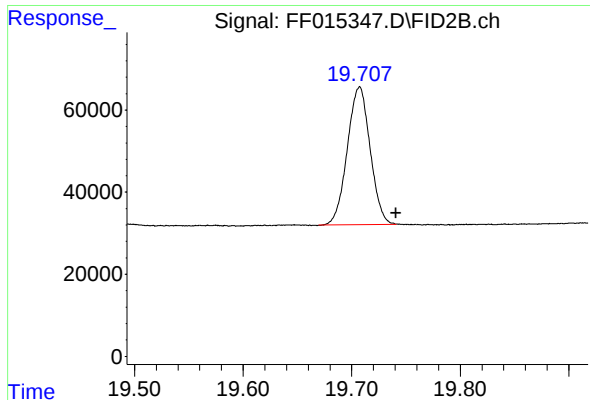
#17 n-Tricontane (C30)

R.T.: 18.087 min
Delta R.T.: -0.033 min
Response: 521525
Conc: 3.93 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.921 min
Delta R.T.: -0.035 min
Response: 521593
Conc: 4.14 ug/ml



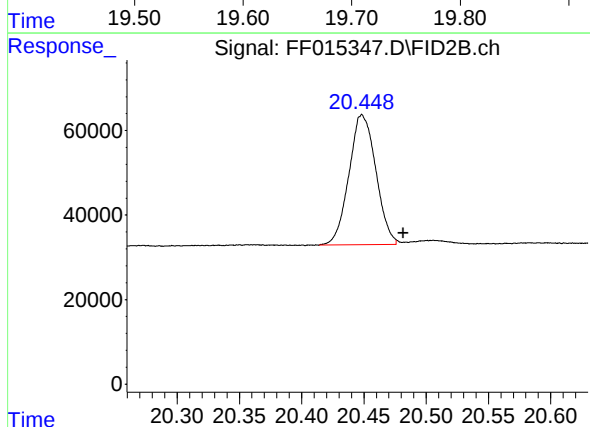
#19 n-Tetratriacontane (C34)

R.T.: 19.707 min
Delta R.T.: -0.033 min
Response: 490661
Conc: 4.51 ug/ml

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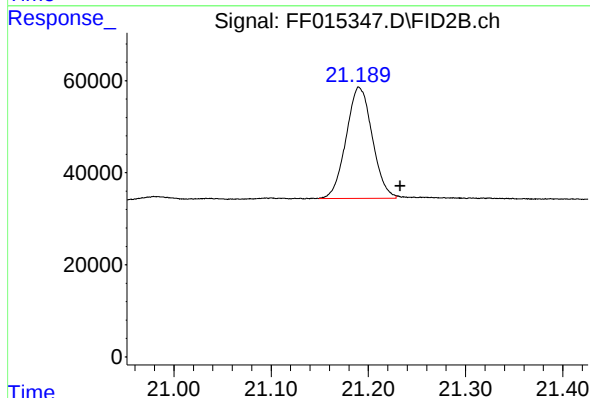
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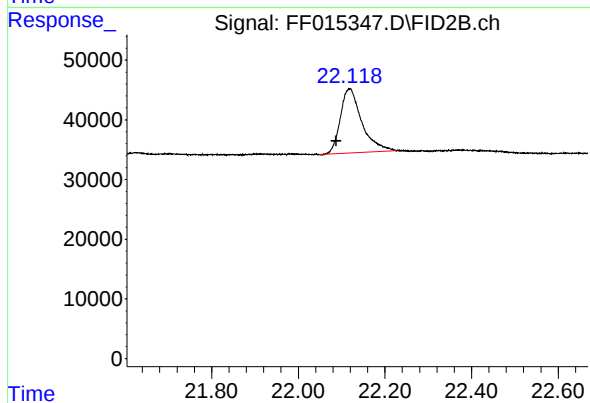
#20 n-Hexatriacontane (C36)

R.T.: 20.448 min
Delta R.T.: -0.034 min
Response: 461711
Conc: 4.95 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 21.189 min
Delta R.T.: -0.043 min
Response: 452417
Conc: 5.16 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 22.120 min
Delta R.T.: 0.032 min
Response: 371618
Conc: 4.38 ug/ml