

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF061625AL\
 Data File : FF016008.D
 Signal(s) : FID2B.ch
 Acq On : 16 Jun 2025 19:25
 Operator : YP\AJ
 Sample : Q2126-01
 Misc : 2.5 PPM SOIL LOD
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 LOD-MDL-SOIL-03-QT2-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/17/2025
 Supervised By :mohammad ahmed 06/19/2025

Integration File: autoint1.e
 Quant Time: Jun 17 01:55:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 03:15:40 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...	13.440	4410140	39.334 ug/ml
Spiked Amount 50.000		Recovery =	78.67%
Target Compounds			
1) T n-Nonane (C9)	3.367	159945	1.364 ug/ml
2) T n-Decane (C10)	4.624	197781	1.653 ug/mlm
4) T n-Dodecane (C12)	6.797	234584	1.938 ug/ml
6) T n-Tetradecane (C14)	8.628	270768	2.227 ug/ml
7) T n-Hexadecane (C16)	10.236	242405	1.915 ug/ml
8) T n-Octadecane (C18)	11.680	267917	2.054 ug/ml
10) T n-Eicosane (C20)	12.991	280018	2.180 ug/ml
11) T n-Heneicosane (C21)	13.604	262132	2.058 ug/ml
13) T n-Docosane (C22)	14.192	276520	2.161 ug/ml
14) T n-Tetracosane (C24)	15.295	283940	2.189 ug/mlm
15) T n-Hexacosane (C26)	16.319	269204	2.099 ug/ml
16) T n-Octacosane (C28)	17.270	289813	2.310 ug/ml
17) T n-Tricontane (C30)	18.160	324139	2.591 ug/ml
18) T n-Dotriacontane (C32)	18.994	328417	2.778 ug/ml
19) T n-Tetratriacontane (C34)	19.779	290079	2.753 ug/ml
20) T n-Hexatriacontane (C36)	20.520	255341	2.837 ug/ml
21) T n-Octatriacontane (C38)	21.283	227124	2.810 ug/ml
22) T n-Tetracontane (C40)	22.237	187605	2.537 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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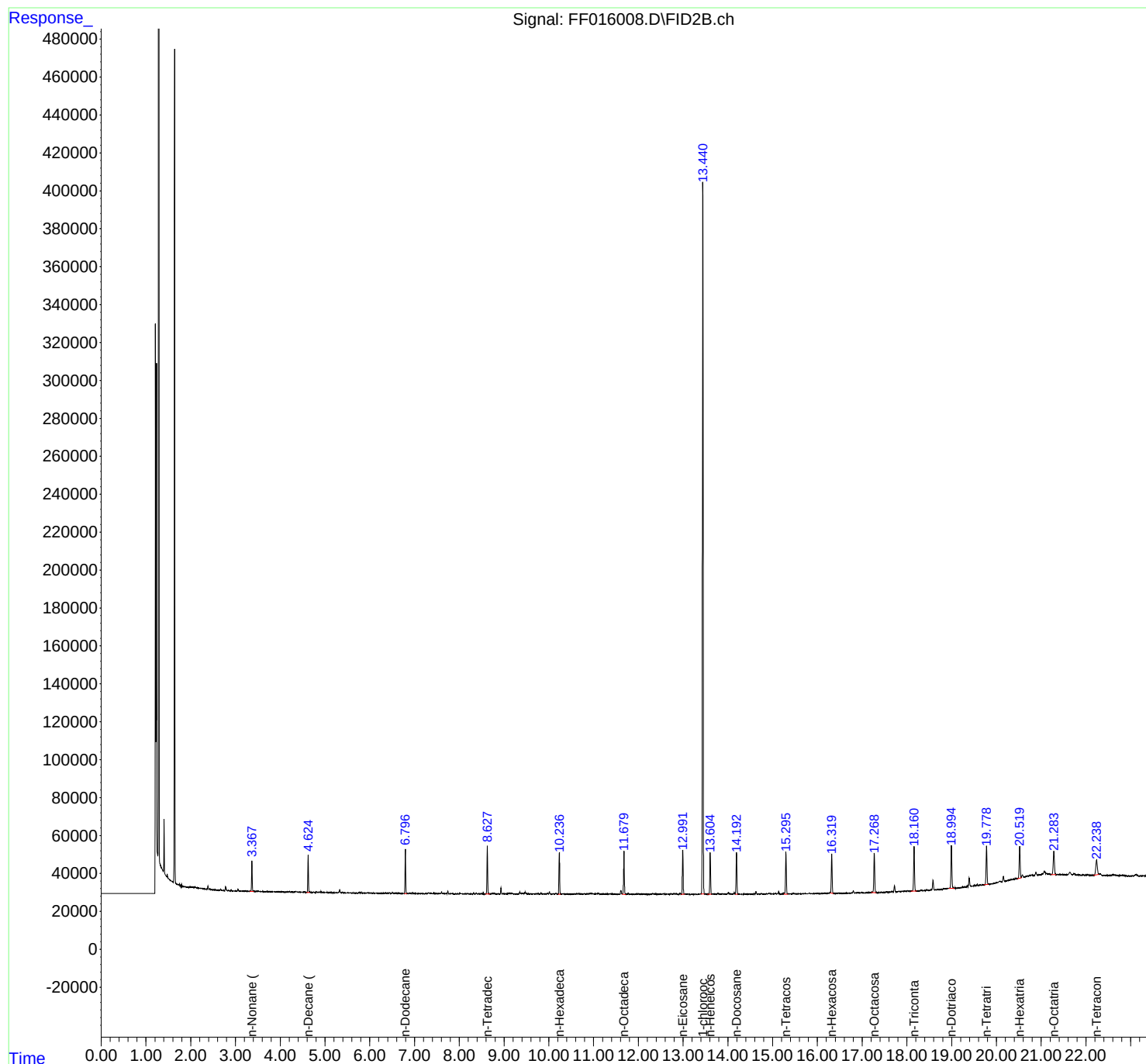
Instrument :
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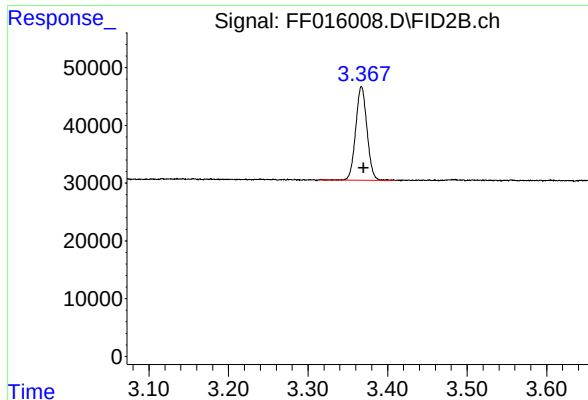
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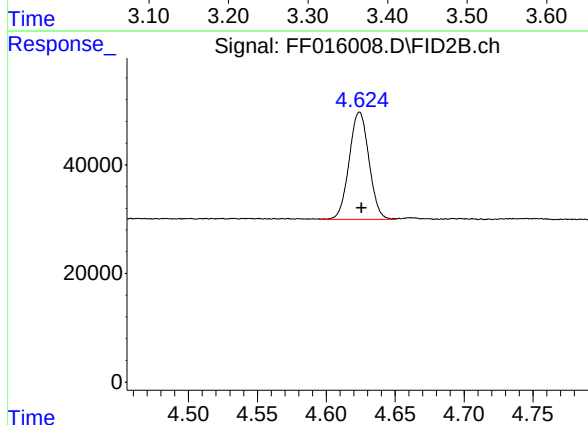
#1 n-Nonane (C9)

R.T.: 3.367 min
Delta R.T.: -0.003 min
Response: 159945
Conc: 1.36 ug/ml

Instrument :
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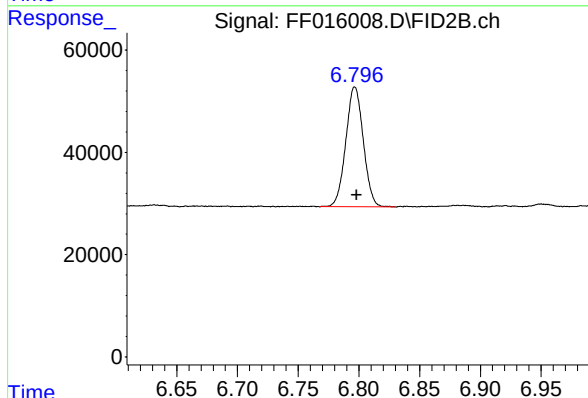
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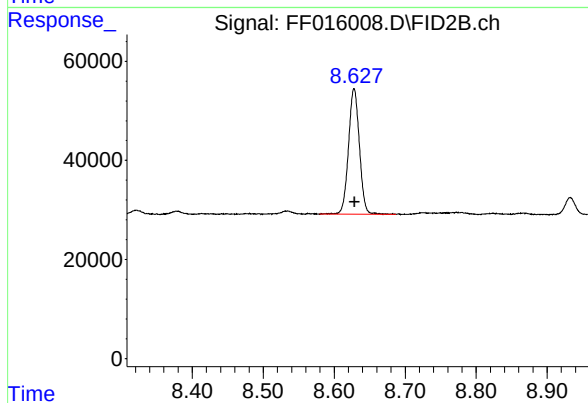
#2 n-Decane (C10)

R.T.: 4.624 min
Delta R.T.: -0.002 min
Response: 197781
Conc: 1.65 ug/ml



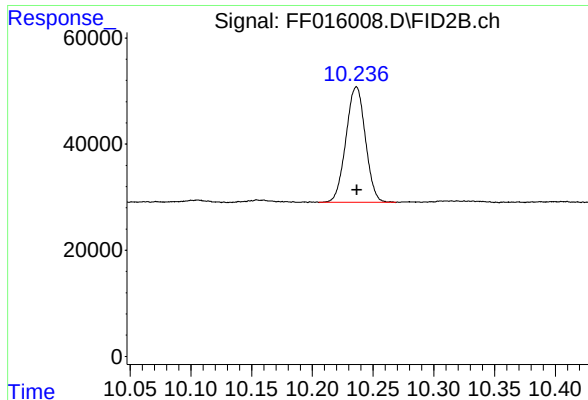
#4 n-Dodecane (C12)

R.T.: 6.797 min
Delta R.T.: -0.001 min
Response: 234584
Conc: 1.94 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.628 min
Delta R.T.: 0.000 min
Response: 270768
Conc: 2.23 ug/ml



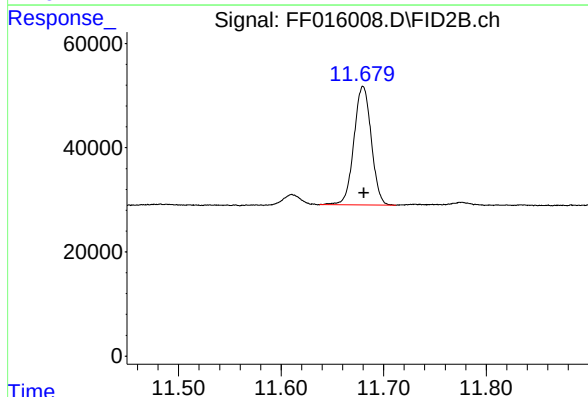
#7 n-Hexadecane (C16)

R.T.: 10.236 min
Delta R.T.: 0.000 min
Response: 242405
Conc: 1.92 ug/ml

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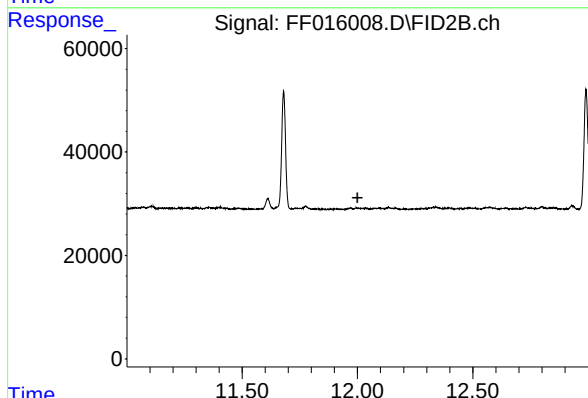
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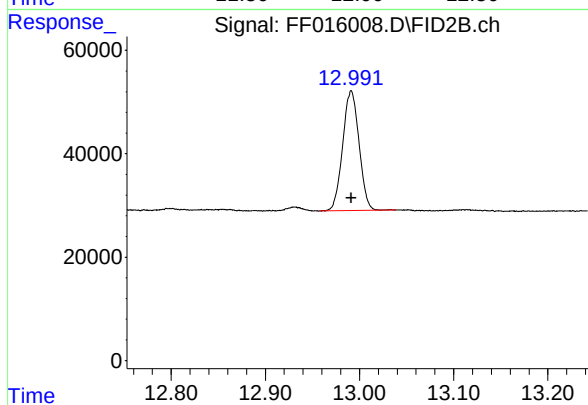
#8 n-Octadecane (C18)

R.T.: 11.680 min
Delta R.T.: 0.000 min
Response: 267917
Conc: 2.05 ug/ml



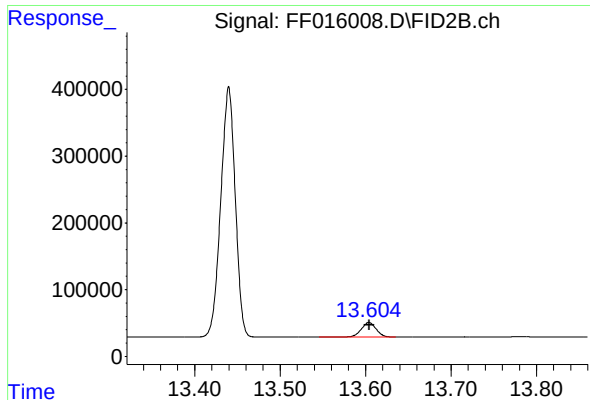
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 12.000 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.991 min
Delta R.T.: 0.000 min
Response: 280018
Conc: 2.18 ug/ml



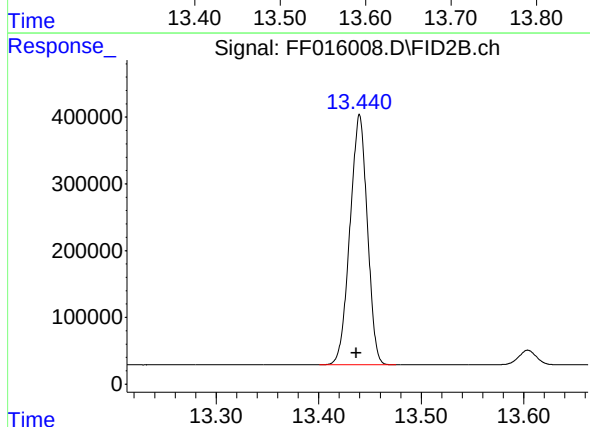
#11 n-Heneicosane (C21)

R.T.: 13.604 min
Delta R.T.: 0.000 min
Response: 262132
Conc: 2.06 ug/ml

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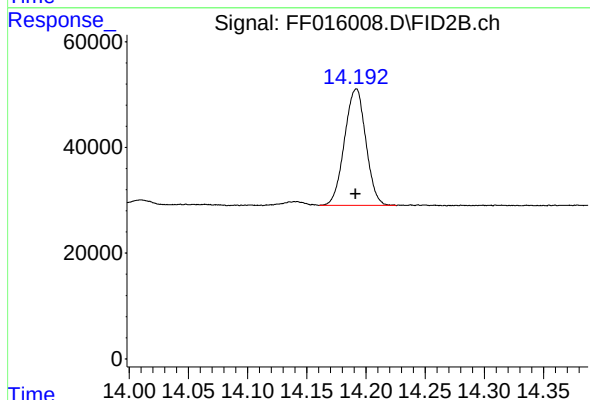
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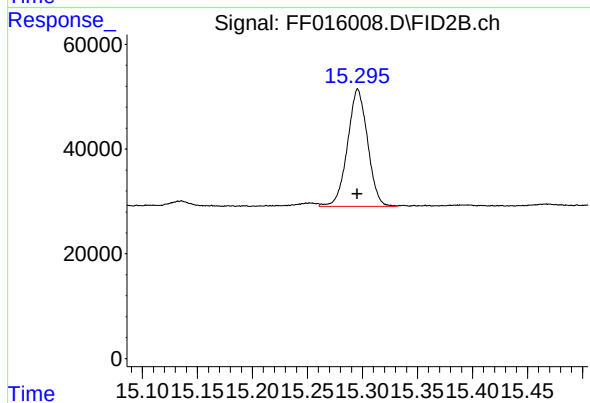
#12 1-chlorooctadecane (SURR)

R.T.: 13.440 min
Delta R.T.: 0.003 min
Response: 4410140
Conc: 39.33 ug/ml



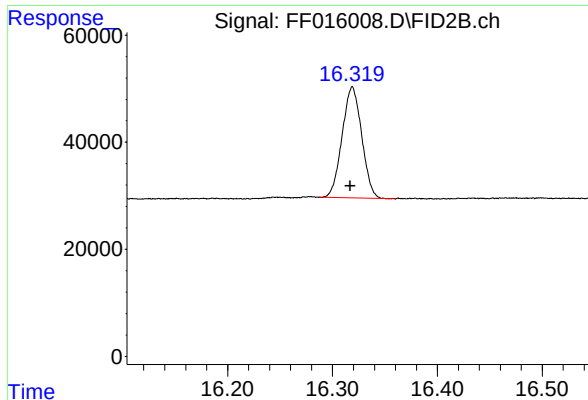
#13 n-Docosane (C22)

R.T.: 14.192 min
Delta R.T.: 0.000 min
Response: 276520
Conc: 2.16 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.295 min
Delta R.T.: 0.000 min
Response: 283940
Conc: 2.19 ug/ml m



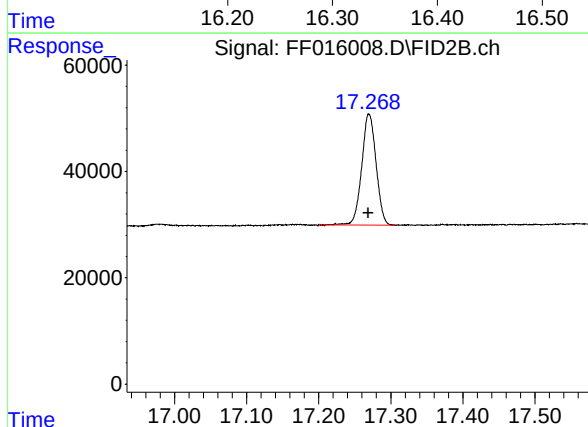
#15 n-Hexacosane (C26)

R.T.: 16.319 min
Delta R.T.: 0.002 min
Response: 269204
Conc: 2.10 ug/ml

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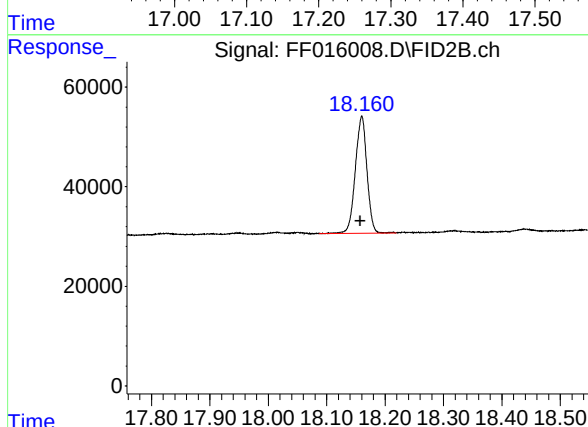
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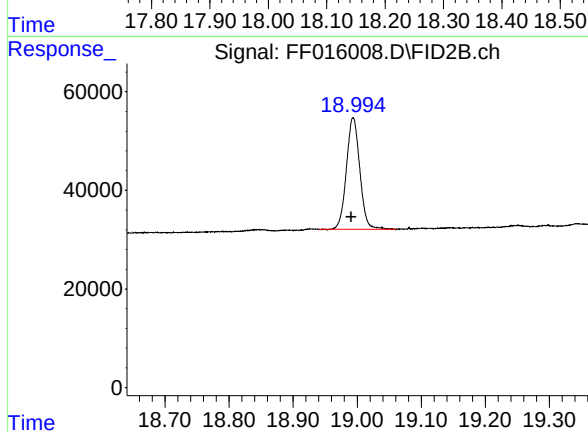
#16 n-Octacosane (C28)

R.T.: 17.270 min
Delta R.T.: 0.000 min
Response: 289813
Conc: 2.31 ug/ml



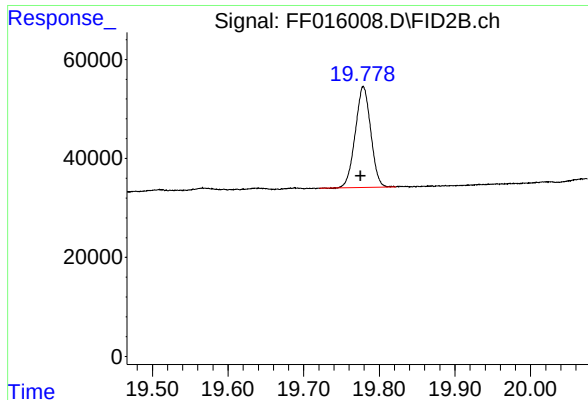
#17 n-Tricontane (C30)

R.T.: 18.160 min
Delta R.T.: 0.002 min
Response: 324139
Conc: 2.59 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.994 min
Delta R.T.: 0.003 min
Response: 328417
Conc: 2.78 ug/ml



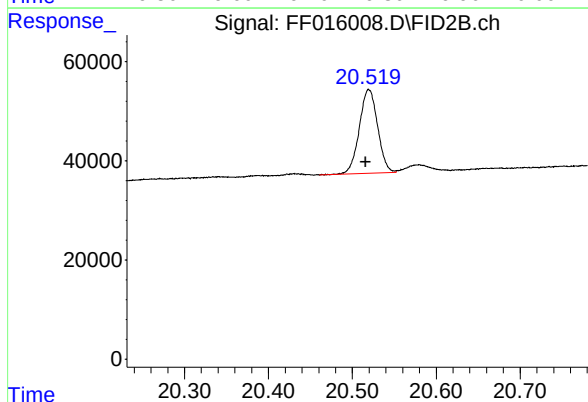
#19 n-Tetratriacontane (C34)

R.T.: 19.779 min
Delta R.T.: 0.003 min
Response: 290079
Conc: 2.75 ug/ml

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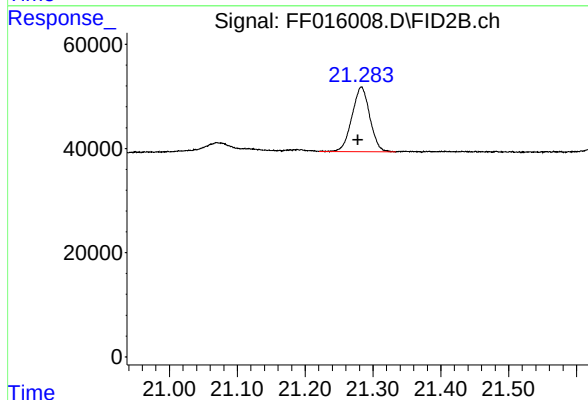
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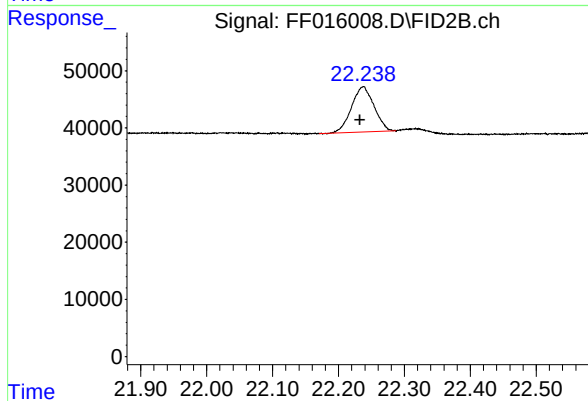
#20 n-Hexatriacontane (C36)

R.T.: 20.520 min
Delta R.T.: 0.004 min
Response: 255341
Conc: 2.84 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.283 min
Delta R.T.: 0.005 min
Response: 227124
Conc: 2.81 ug/ml



#22 n-Tetracontane (C40)

R.T.: 22.237 min
Delta R.T.: 0.004 min
Response: 187605
Conc: 2.54 ug/ml