

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF061625AL\
 Data File : FF016009.D
 Signal(s) : FID2B.ch
 Acq On : 16 Jun 2025 19:54
 Operator : YP\AJ
 Sample : Q2126-01
 Misc : 4 PPM SOIL LOD
 ALS Vial : 24 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 01:55:55 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...	13.441	5590818	49.864 ug/ml
Spiked Amount 50.000		Recovery =	99.73%
Target Compounds			
1) T n-Nonane (C9)	3.367	328716	2.803 ug/ml
2) T n-Decane (C10)	4.624	401346	3.353 ug/ml
4) T n-Dodecane (C12)	6.797	469906	3.882 ug/ml
6) T n-Tetradecane (C14)	8.628	512574	4.215 ug/ml
7) T n-Hexadecane (C16)	10.236	499724	3.949 ug/ml
8) T n-Octadecane (C18)	11.680	540326	4.143 ug/ml
10) T n-Eicosane (C20)	12.992	574702	4.475 ug/ml
11) T n-Heneicosane (C21)	13.604	546043	4.287 ug/ml
13) T n-Docosane (C22)	14.191	564058	4.409 ug/ml
14) T n-Tetracosane (C24)	15.297	569643	4.391 ug/mlm
15) T n-Hexacosane (C26)	16.319	557004	4.342 ug/ml
16) T n-Octacosane (C28)	17.270	581022	4.632 ug/ml
17) T n-Tricontane (C30)	18.160	633944	5.068 ug/ml
18) T n-Dotriacontane (C32)	18.994	623989	5.278 ug/mlm
19) T n-Tetratriacontane (C34)	19.779	574104	5.448 ug/mlm
20) T n-Hexatriacontane (C36)	20.521	508579	5.651 ug/ml
21) T n-Octatriacontane (C38)	21.284	457034	5.655 ug/mlm
22) T n-Tetracontane (C40)	22.242	406365	5.495 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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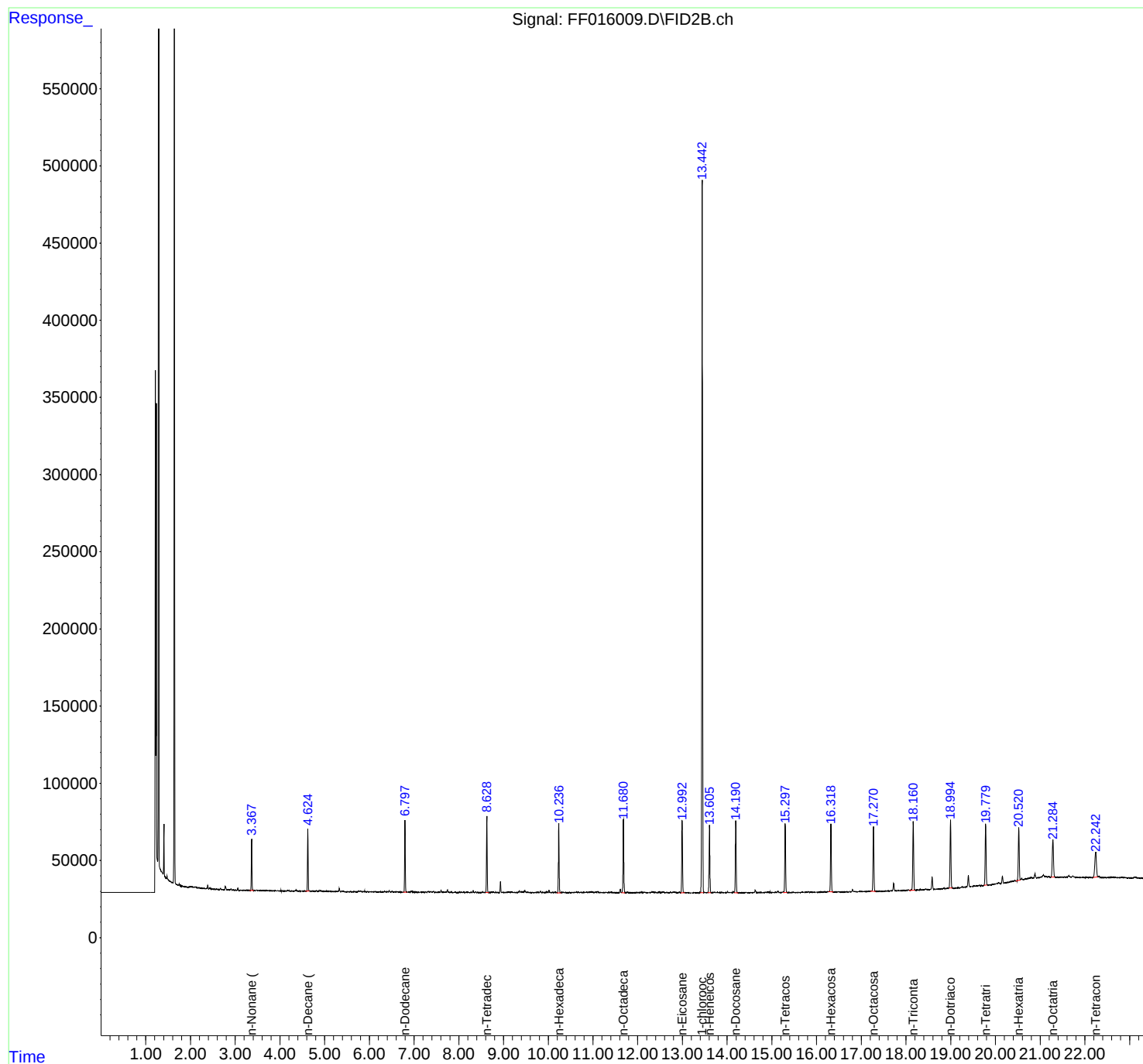
Instrument :
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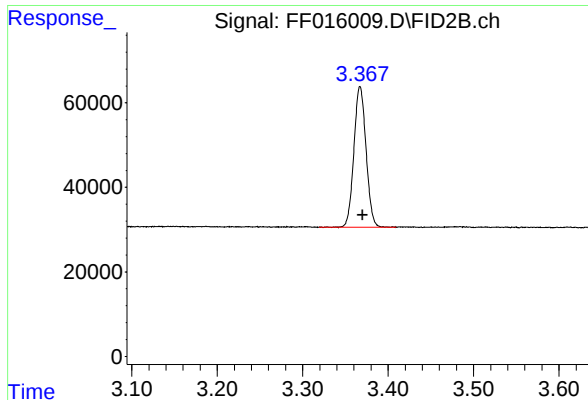
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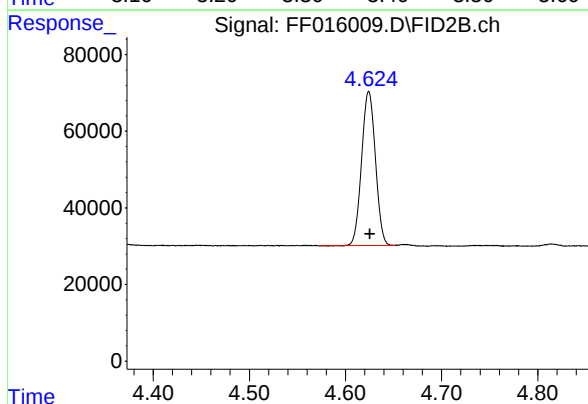
#1 n-Nonane (C9)

R.T.: 3.367 min
Delta R.T.: -0.003 min
Response: 328716
Conc: 2.80 ug/ml

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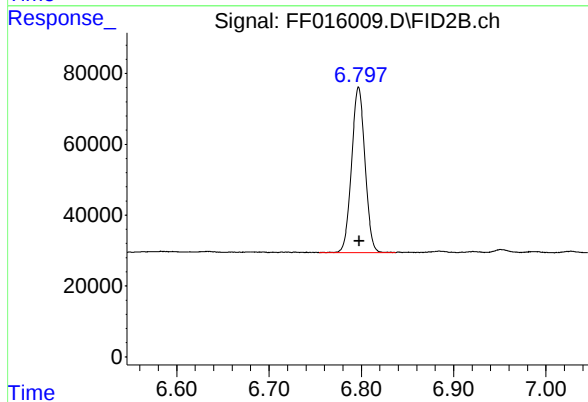
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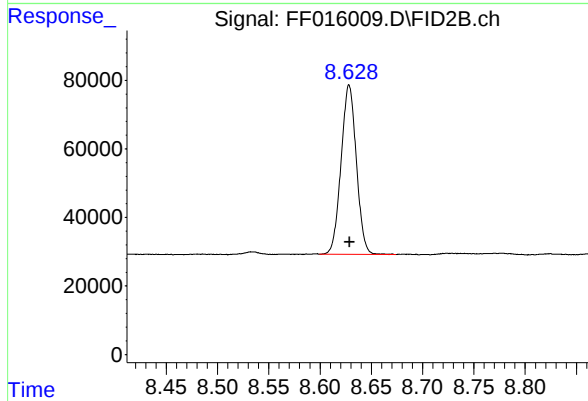
#2 n-Decane (C10)

R.T.: 4.624 min
Delta R.T.: -0.001 min
Response: 401346
Conc: 3.35 ug/ml



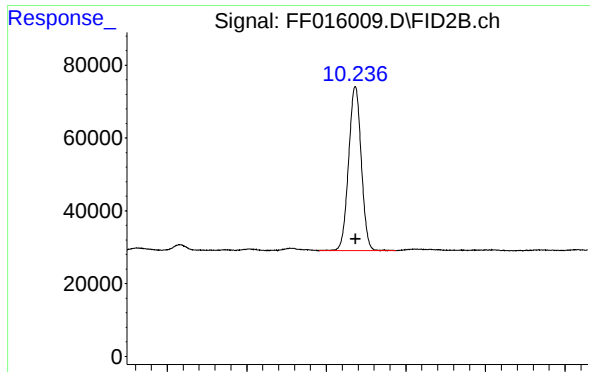
#4 n-Dodecane (C12)

R.T.: 6.797 min
Delta R.T.: 0.000 min
Response: 469906
Conc: 3.88 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.628 min
Delta R.T.: 0.000 min
Response: 512574
Conc: 4.21 ug/ml



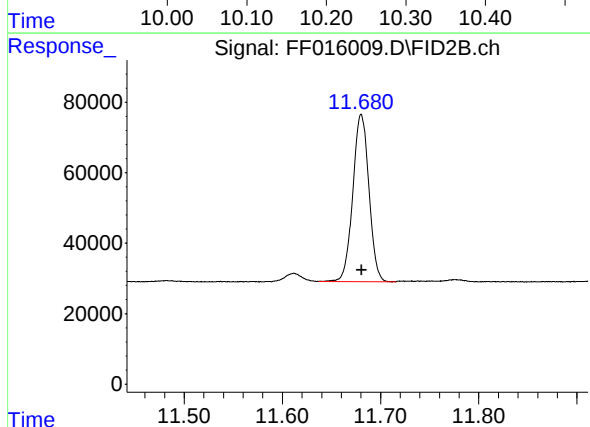
#7 n-Hexadecane (C16)

R.T.: 10.236 min
Delta R.T.: 0.000 min
Response: 499724
Conc: 3.95 ug/ml

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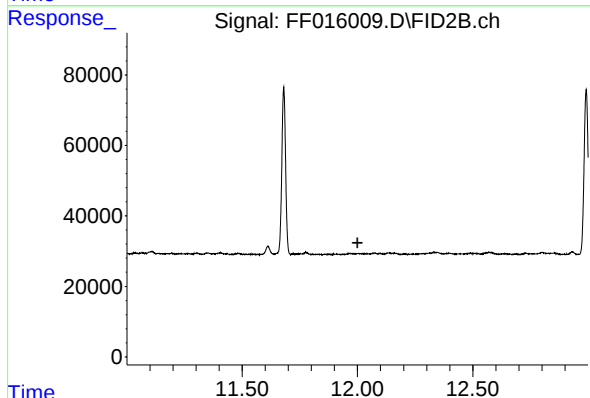
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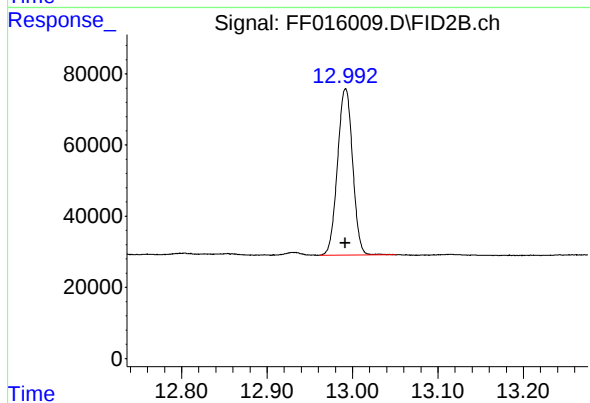
#8 n-Octadecane (C18)

R.T.: 11.680 min
Delta R.T.: 0.000 min
Response: 540326
Conc: 4.14 ug/ml



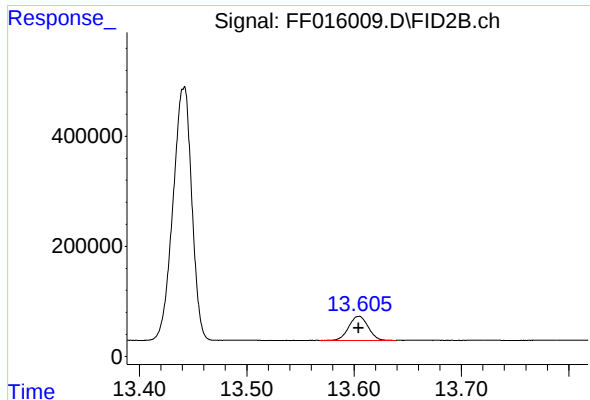
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

R.T.: 12.992 min
Delta R.T.: 0.000 min
Response: 574702
Conc: 4.47 ug/ml



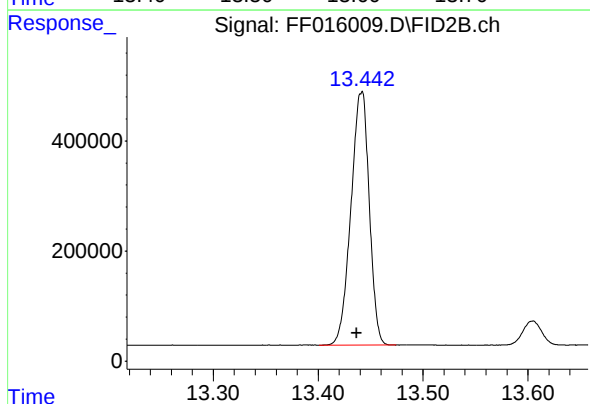
#11 n-Heneicosane (C21)

R.T.: 13.604 min
Delta R.T.: 0.000 min
Response: 546043
Conc: 4.29 ug/ml

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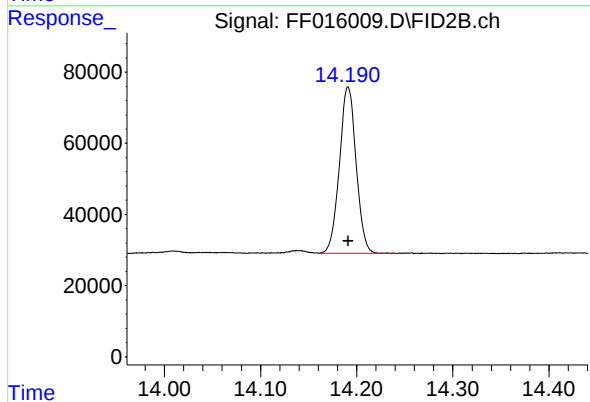
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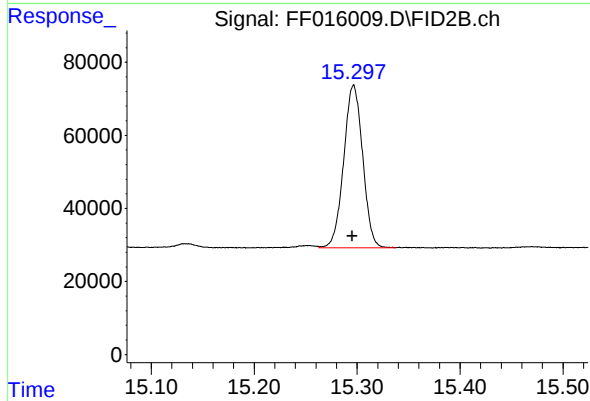
#12 1-chlorooctadecane (SURR)

R.T.: 13.441 min
Delta R.T.: 0.005 min
Response: 5590818
Conc: 49.86 ug/ml



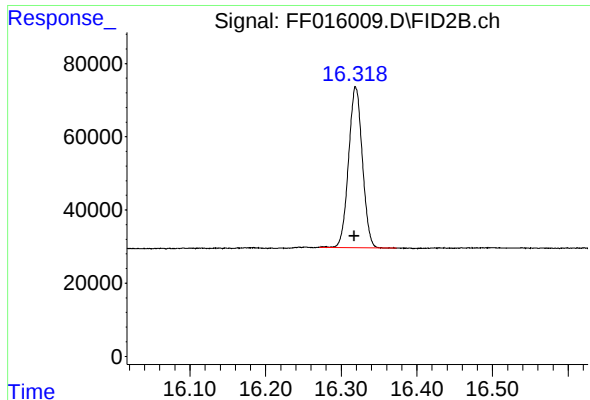
#13 n-Docosane (C22)

R.T.: 14.191 min
Delta R.T.: 0.000 min
Response: 564058
Conc: 4.41 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.297 min
Delta R.T.: 0.001 min
Response: 569643
Conc: 4.39 ug/ml m



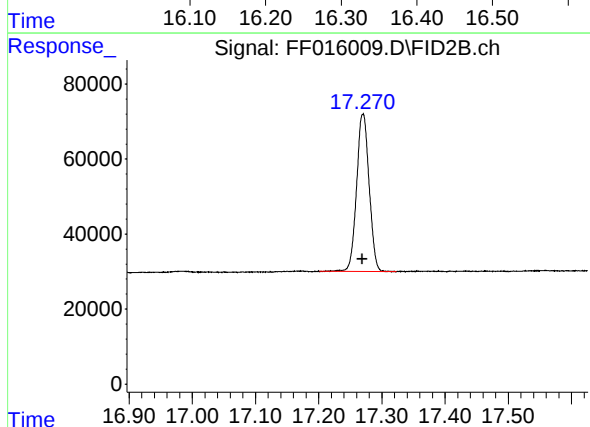
#15 n-Hexacosane (C26)

R.T.: 16.319 min
Delta R.T.: 0.002 min
Response: 557004
Conc: 4.34 ug/ml

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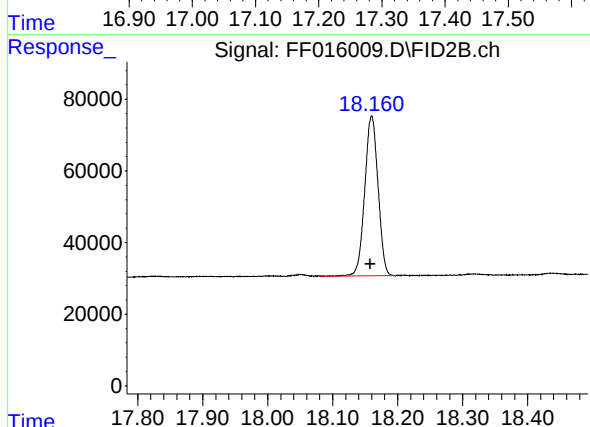
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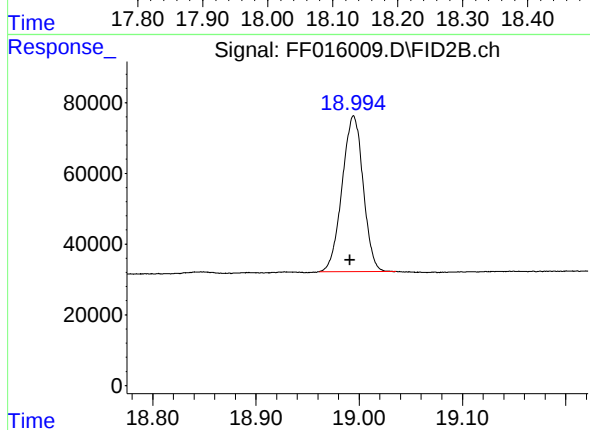
#16 n-Octacosane (C28)

R.T.: 17.270 min
Delta R.T.: 0.001 min
Response: 581022
Conc: 4.63 ug/ml



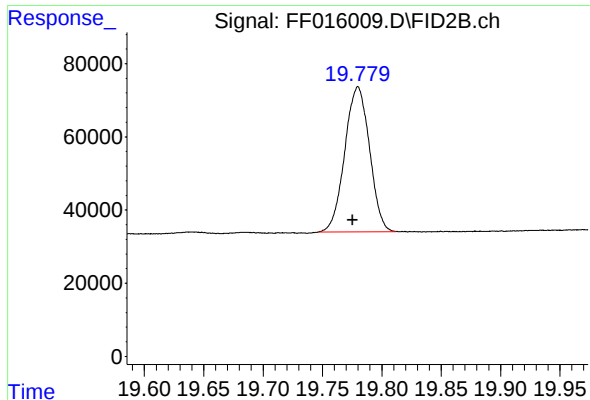
#17 n-Tricontane (C30)

R.T.: 18.160 min
Delta R.T.: 0.002 min
Response: 633944
Conc: 5.07 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.994 min
Delta R.T.: 0.003 min
Response: 623989
Conc: 5.28 ug/ml m



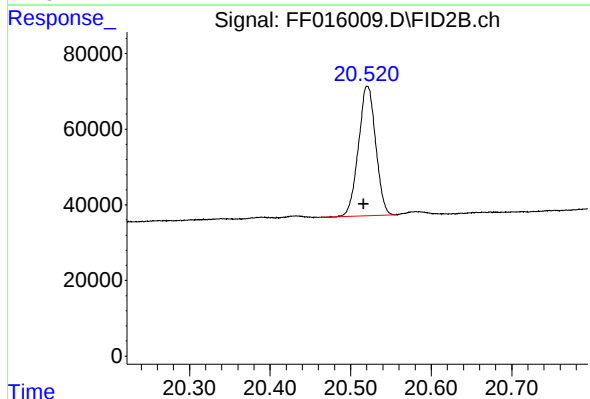
#19 n-Tetratriacontane (C34)

R.T.: 19.779 min
Delta R.T.: 0.004 min
Response: 574104
Conc: 5.45 ug/ml

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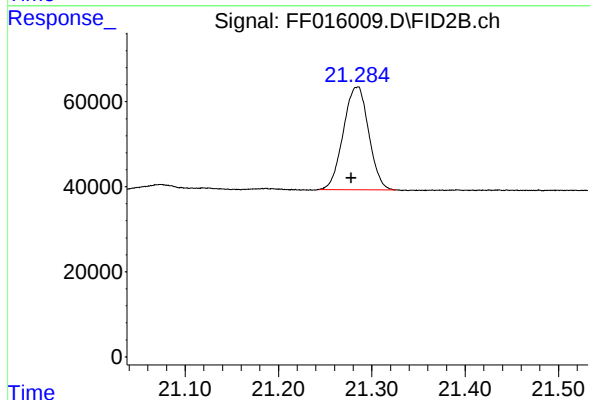
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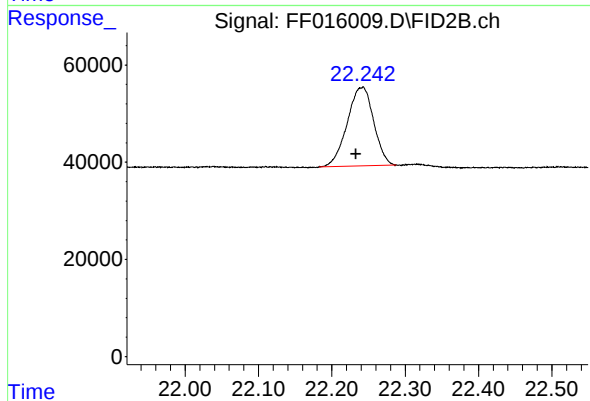
#20 n-Hexatriacontane (C36)

R.T.: 20.521 min
Delta R.T.: 0.005 min
Response: 508579
Conc: 5.65 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.284 min
Delta R.T.: 0.006 min
Response: 457034
Conc: 5.66 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 22.242 min
Delta R.T.: 0.009 min
Response: 406365
Conc: 5.50 ug/ml m