

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061325AL\
 Data File : FE054335.D
 Signal(s) : FID1B.ch
 Acq On : 12 Jun 2025 12:40
 Operator : YP\AJ
 Sample : Q2126-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/13/2025
 Supervised By :mohammad ahmed 06/16/2025

Integration File: autoint1.e
 Quant Time: Jun 13 01:15:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
 Quant Title : GC Extractables
 QLast Update : Tue Jun 10 07:24:04 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...	13.273	4738651	38.858 ug/ml
Spiked Amount 50.000		Recovery =	77.72%
Target Compounds			
1) T n-Nonane (C9)	3.178	148714	1.198 ug/ml
2) T n-Decane (C10)	4.441	179795	1.447 ug/ml
4) T n-Dodecane (C12)	6.622	217938	1.712 ug/mlm
6) T n-Tetradecane (C14)	8.457	294608	2.276 ug/mlm
7) T n-Hexadecane (C16)	10.068	273976	2.062 ug/mlm
8) T n-Octadecane (C18)	11.514	316956	2.347 ug/mlm
10) T n-Eicosane (C20)	12.826	310437	2.321 ug/ml
11) T n-Heneicosane (C21)	13.439	301156	2.265 ug/ml
13) T n-Docosane (C22)	14.027	298064	2.273 ug/ml
14) T n-Tetracosane (C24)	15.132	300389	2.329 ug/ml
15) T n-Hexacosane (C26)	16.157	296923	2.365 ug/mlm
16) T n-Octacosane (C28)	17.106	293723	2.395 ug/mlm
17) T n-Tricontane (C30)	17.993	315166	2.543 ug/mlm
18) T n-Dotriacontane (C32)	18.827	323680	2.576 ug/mlm
19) T n-Tetratriacontane (C34)	19.613	326625	2.625 ug/mlm
20) T n-Hexatriacontane (C36)	20.355	287525	2.234 ug/ml
21) T n-Octatriacontane (C38)	21.082	277990	2.105 ug/ml
22) T n-Tetracontane (C40)	21.967	286856	2.129 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP\AJ
Sample : Q2126-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

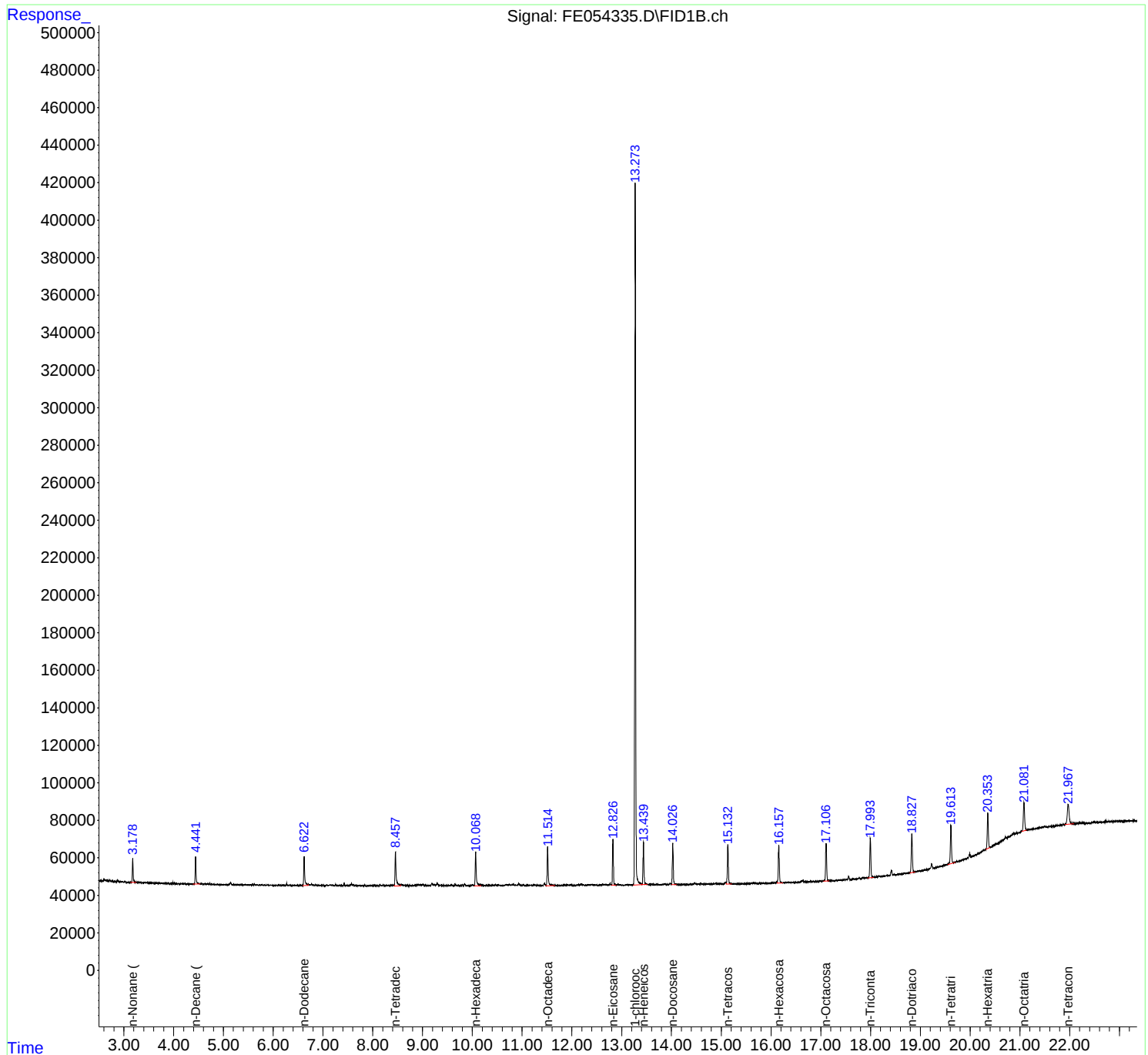
Instrument :
FID_E
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025

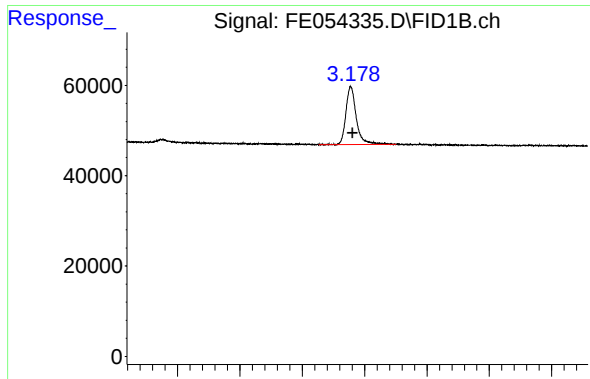
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#1 n-Nonane (C9)

R.T.: 3.178 min
Delta R.T.: -0.003 min
Response: 148714
Conc: 1.20 ug/ml

Instrument :

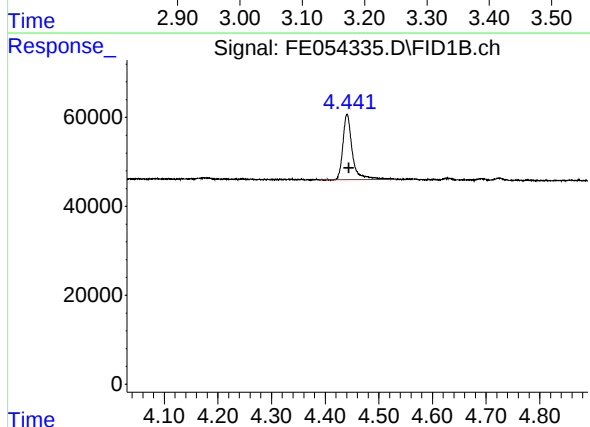
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ClientSampleId :

LOD-MDL-WATER-01-QT2-2025

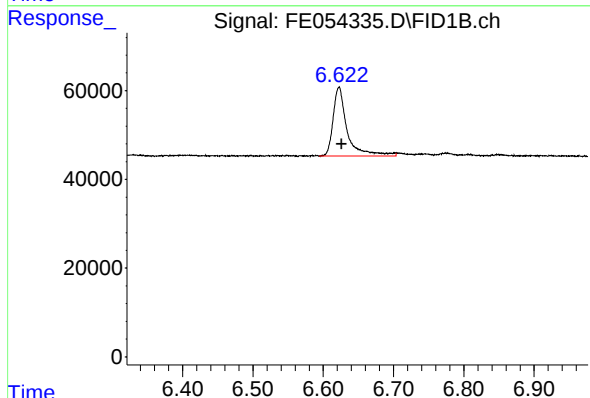
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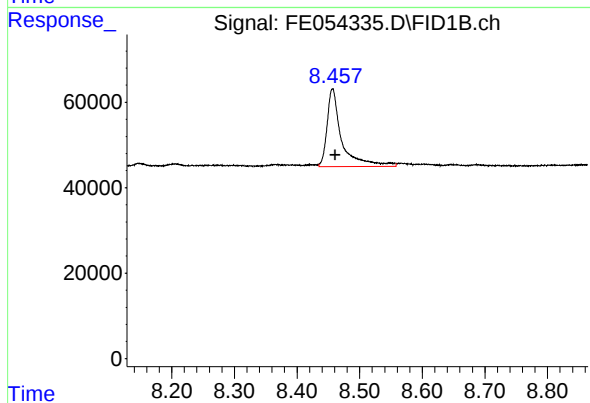
#2 n-Decane (C10)

R.T.: 4.441 min
Delta R.T.: -0.003 min
Response: 179795
Conc: 1.45 ug/ml



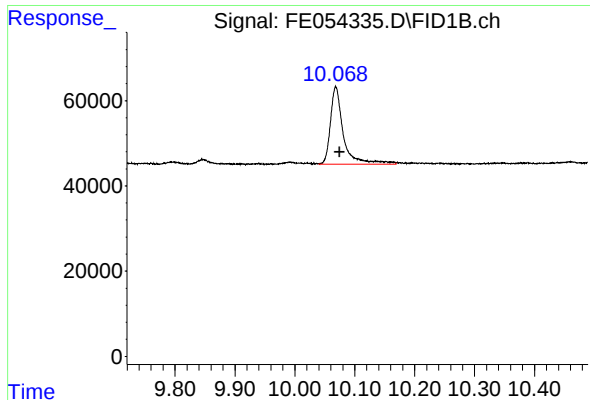
#4 n-Dodecane (C12)

R.T.: 6.622 min
Delta R.T.: -0.004 min
Response: 217938
Conc: 1.71 ug/ml m



#6 n-Tetradecane (C14)

R.T.: 8.457 min
Delta R.T.: -0.004 min
Response: 294608
Conc: 2.28 ug/ml m



#7 n-Hexadecane (C16)

R.T.: 10.068 min
Delta R.T.: -0.007 min
Response: 273976
Conc: 2.06 ug/ml

Instrument :

FID_E

ClientSampleId :

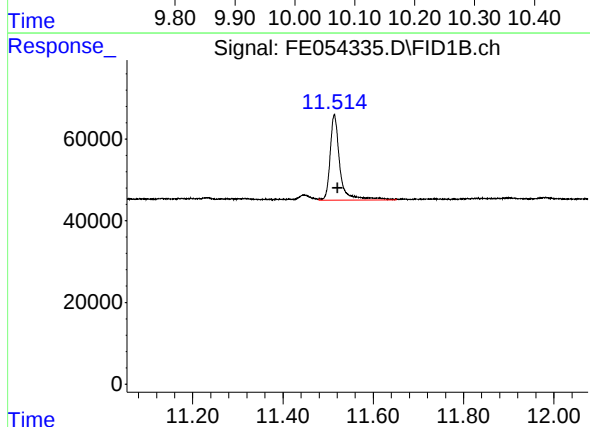
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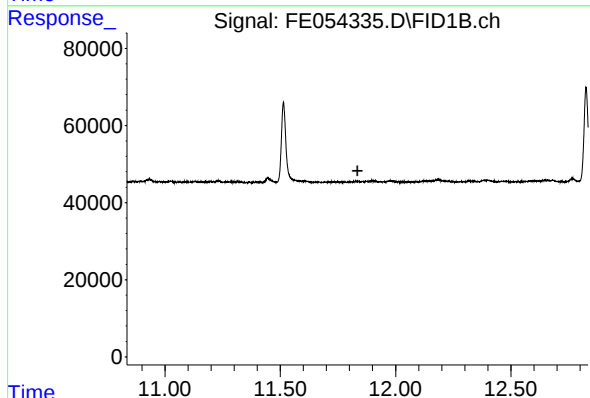
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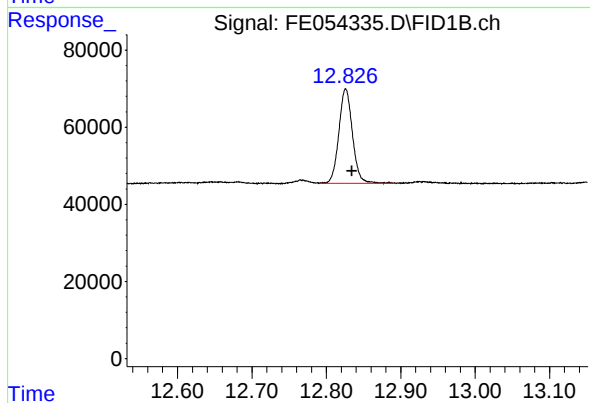
#8 n-Octadecane (C18)

R.T.: 11.514 min
Delta R.T.: -0.007 min
Response: 316956
Conc: 2.35 ug/ml m



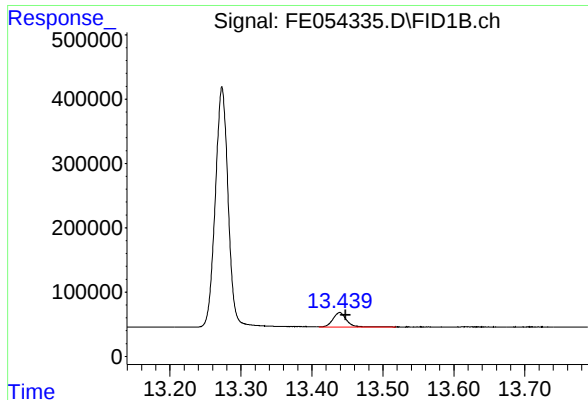
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.835 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.826 min
Delta R.T.: -0.009 min
Response: 310437
Conc: 2.32 ug/ml



#11 n-Heneicosane (C21)

R.T.: 13.439 min
Delta R.T.: -0.009 min
Response: 301156
Conc: 2.26 ug/ml

Instrument :

FID_E

ClientSampleId :

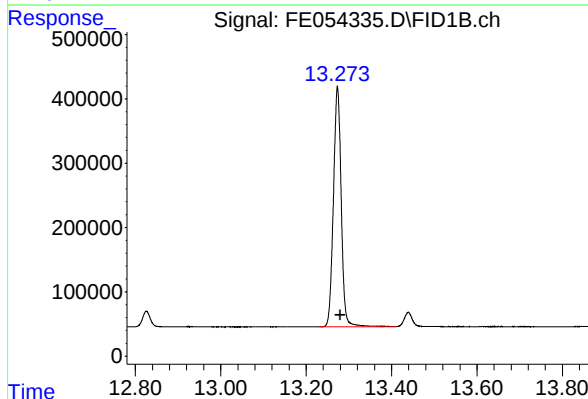
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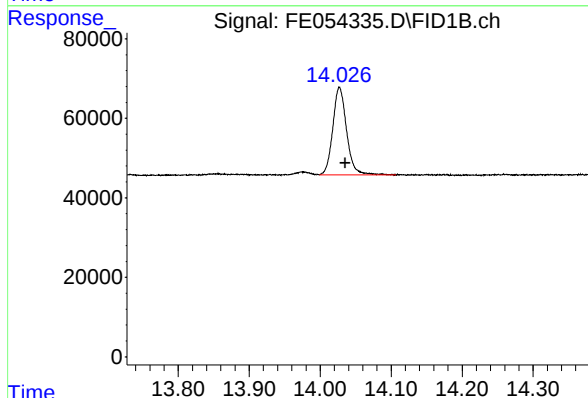
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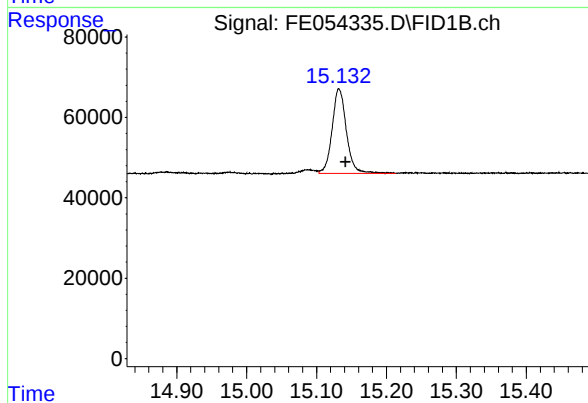
#12 1-chlorooctadecane (SURR)

R.T.: 13.273 min
Delta R.T.: -0.006 min
Response: 4738651
Conc: 38.86 ug/ml



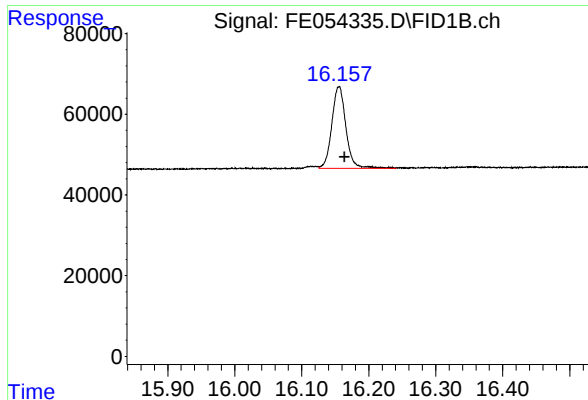
#13 n-Docosane (C22)

R.T.: 14.027 min
Delta R.T.: -0.008 min
Response: 298064
Conc: 2.27 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.132 min
Delta R.T.: -0.009 min
Response: 300389
Conc: 2.33 ug/ml



#15 n-Hexacosane (C26)

R.T.: 16.157 min
Delta R.T.: -0.008 min
Response: 296923
Conc: 2.37 ug/ml

Instrument :

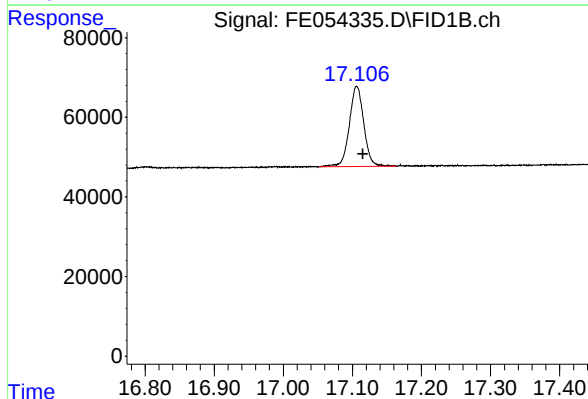
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ClientSampleId :

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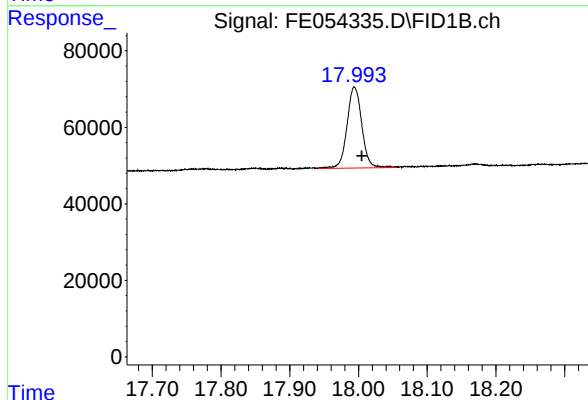
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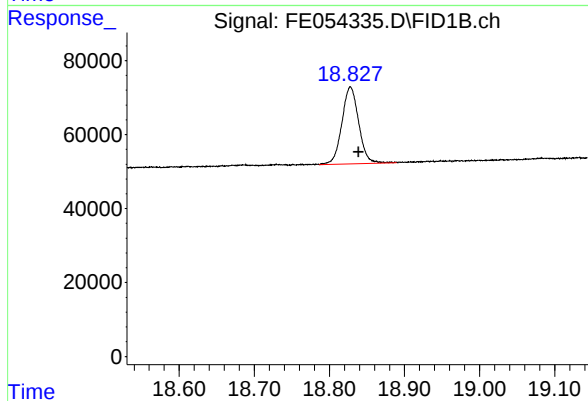
#16 n-Octacosane (C28)

R.T.: 17.106 min
Delta R.T.: -0.009 min
Response: 293723
Conc: 2.40 ug/ml m



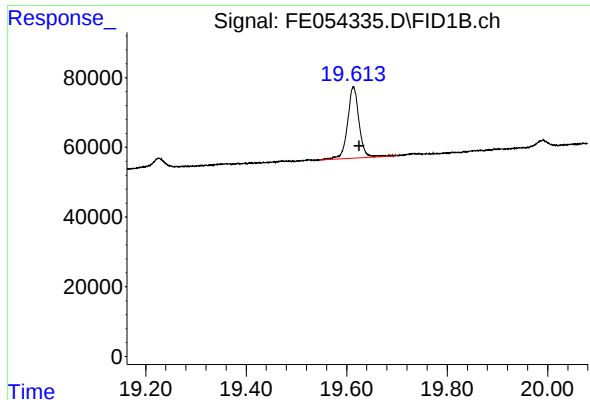
#17 n-Tricontane (C30)

R.T.: 17.993 min
Delta R.T.: -0.012 min
Response: 315166
Conc: 2.54 ug/ml m



#18 n-Dotriacontane (C32)

R.T.: 18.827 min
Delta R.T.: -0.012 min
Response: 323680
Conc: 2.58 ug/ml m



#19 n-Tetratriacontane (C34)

R.T.: 19.613 min
Delta R.T.: -0.012 min
Response: 326625
Conc: 2.63 ug/ml

Instrument :

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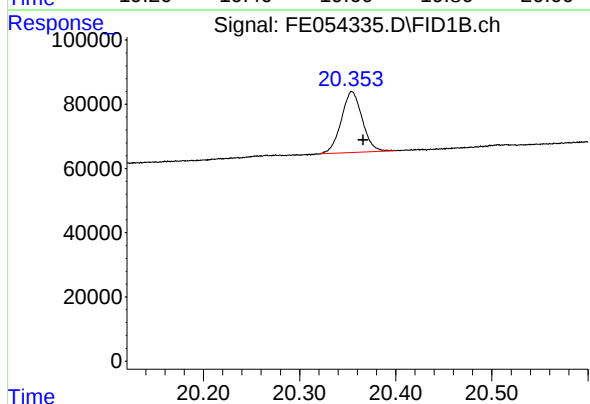
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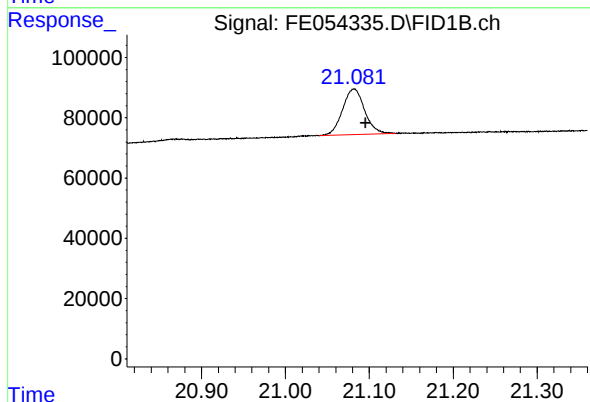
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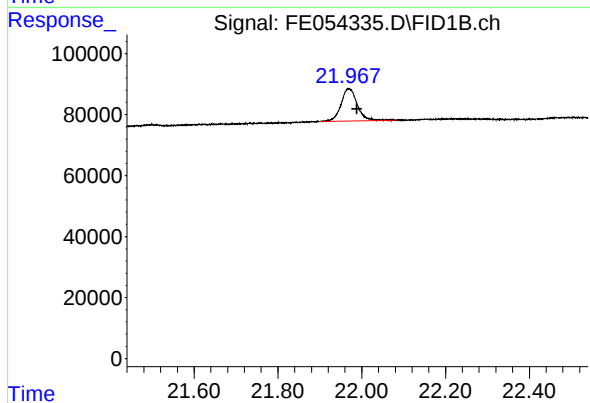
#20 n-Hexatriacontane (C36)

R.T.: 20.355 min
Delta R.T.: -0.012 min
Response: 287525
Conc: 2.23 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.082 min
Delta R.T.: -0.014 min
Response: 277990
Conc: 2.11 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.967 min
Delta R.T.: -0.021 min
Response: 286856
Conc: 2.13 ug/ml m