

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061325AL\
 Data File : FE054336.D
 Signal(s) : FID1B.ch
 Acq On : 12 Jun 2025 13:10
 Operator : YP\AJ
 Sample : Q2126-07
 Misc :
 ALS Vial : 14 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 01:15:50 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...	13.274	5871394	48.146 ug/ml
Spiked Amount 50.000		Recovery =	96.29%
Target Compounds			
1) T n-Nonane (C9)	3.177	320415	2.580 ug/ml
2) T n-Decane (C10)	4.440	388990	3.131 ug/ml
4) T n-Dodecane (C12)	6.621	441961	3.471 ug/mlm
6) T n-Tetradecane (C14)	8.456	507838	3.923 ug/ml
7) T n-Hexadecane (C16)	10.068	529287	3.984 ug/ml
8) T n-Octadecane (C18)	11.514	578794	4.286 ug/ml
10) T n-Eicosane (C20)	12.825	616961	4.612 ug/ml
11) T n-Heneicosane (C21)	13.438	597057	4.490 ug/ml
13) T n-Docosane (C22)	14.026	594368	4.533 ug/ml
14) T n-Tetracosane (C24)	15.131	598554	4.640 ug/mlm
15) T n-Hexacosane (C26)	16.155	585216	4.662 ug/mlm
16) T n-Octacosane (C28)	17.105	594202	4.845 ug/mlm
17) T n-Tricontane (C30)	17.994	601986	4.857 ug/mlm
18) T n-Dotriacontane (C32)	18.828	608045	4.839 ug/ml
19) T n-Tetratriacontane (C34)	19.611	605497	4.867 ug/mlm
20) T n-Hexatriacontane (C36)	20.353	565838	4.396 ug/ml
21) T n-Octatriacontane (C38)	21.081	566335	4.289 ug/ml
22) T n-Tetracontane (C40)	21.968	564643	4.192 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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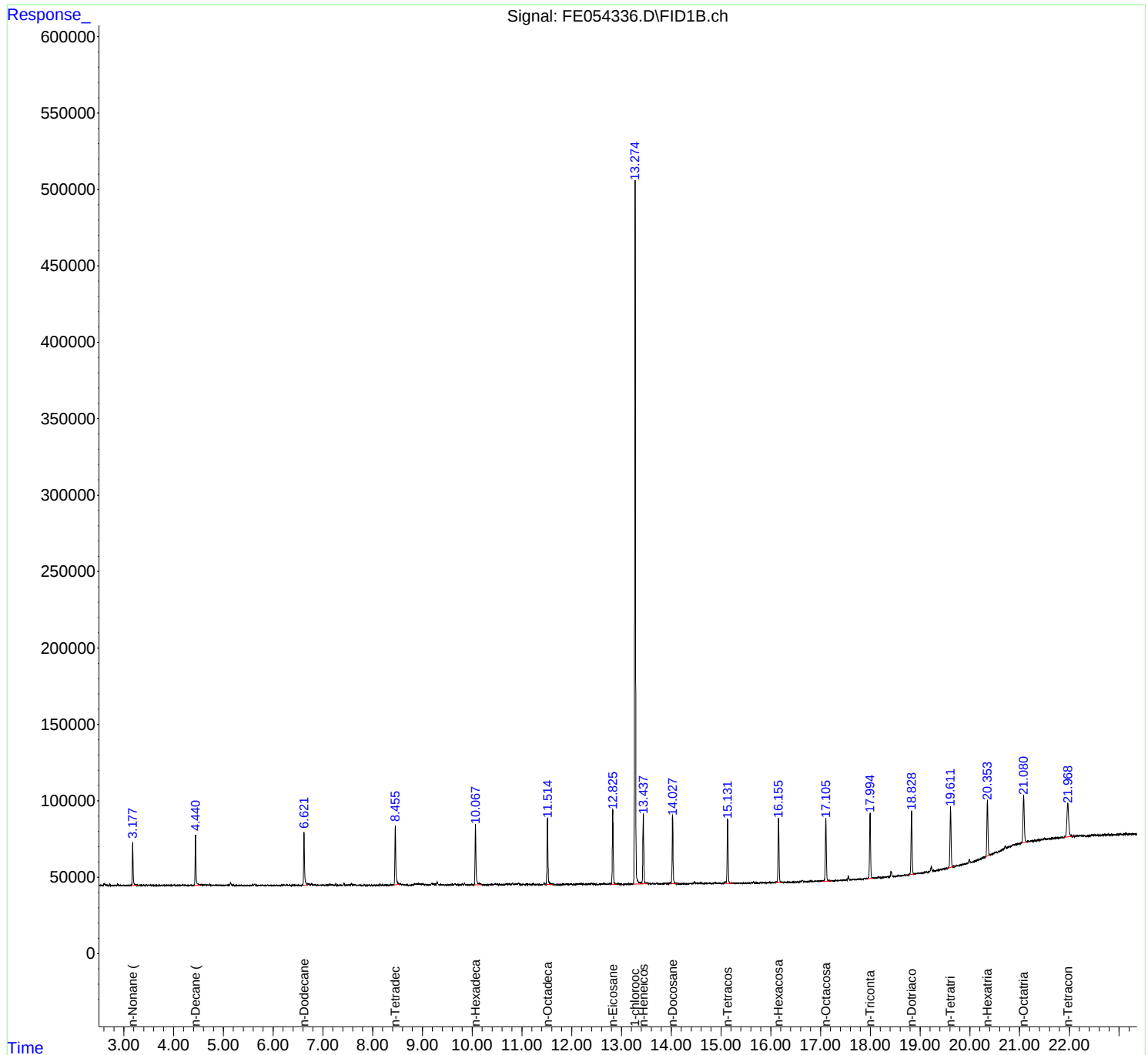
Instrument :
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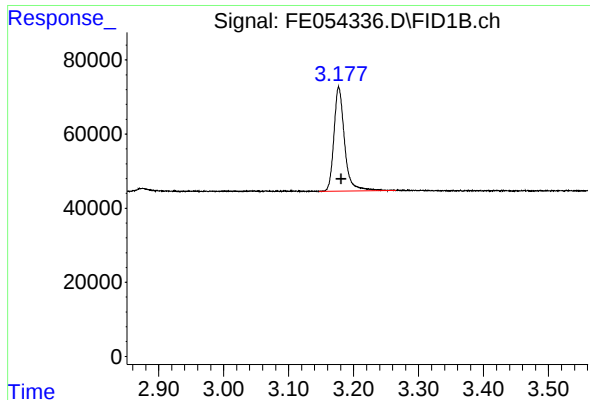
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#1 n-Nonane (C9)

R.T.: 3.177 min
Delta R.T.: -0.004 min
Response: 320415
Conc: 2.58 ug/ml

Instrument :

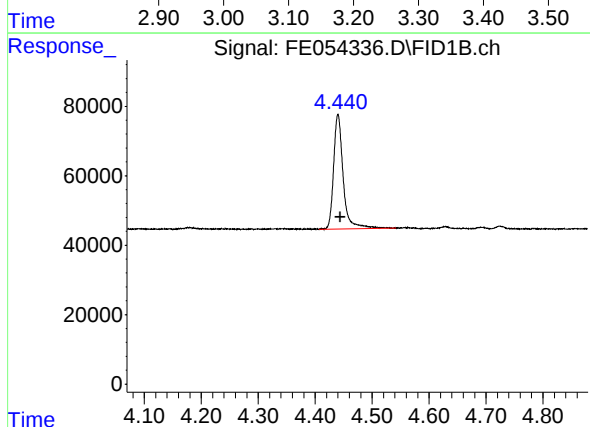
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ClientSampleId :

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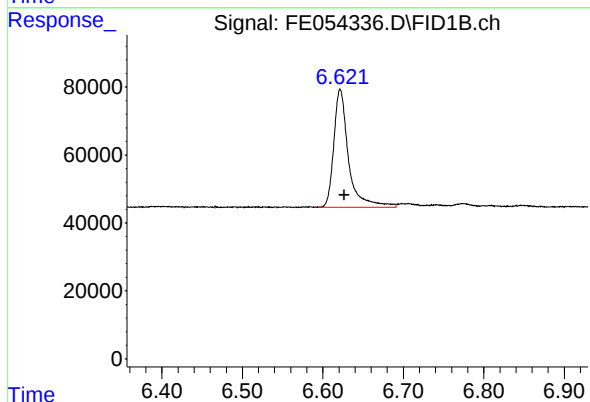
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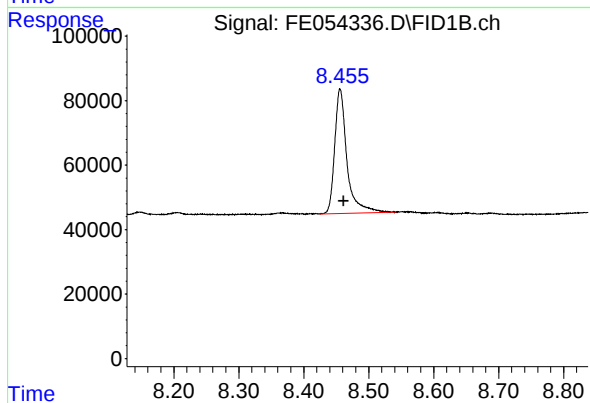
#2 n-Decane (C10)

R.T.: 4.440 min
Delta R.T.: -0.004 min
Response: 388990
Conc: 3.13 ug/ml



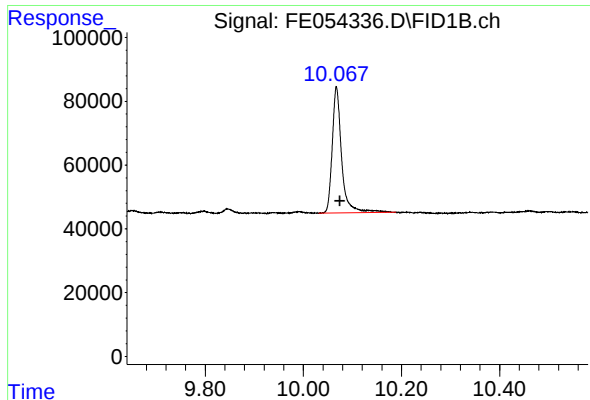
#4 n-Dodecane (C12)

R.T.: 6.621 min
Delta R.T.: -0.006 min
Response: 441961
Conc: 3.47 ug/ml m



#6 n-Tetradecane (C14)

R.T.: 8.456 min
Delta R.T.: -0.005 min
Response: 507838
Conc: 3.92 ug/ml



#7 n-Hexadecane (C16)

R.T.: 10.068 min
Delta R.T.: -0.007 min
Response: 529287
Conc: 3.98 ug/ml

Instrument :

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ClientSampleId :

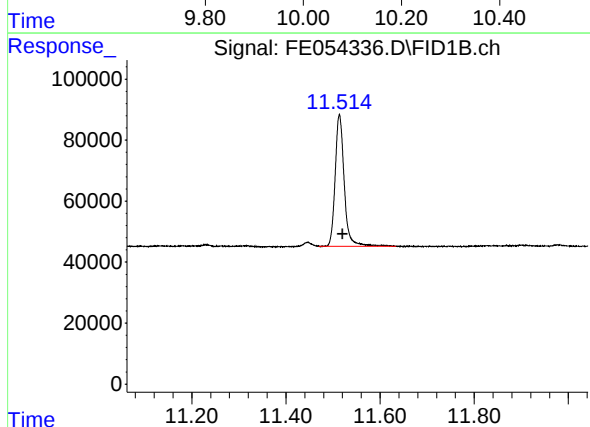
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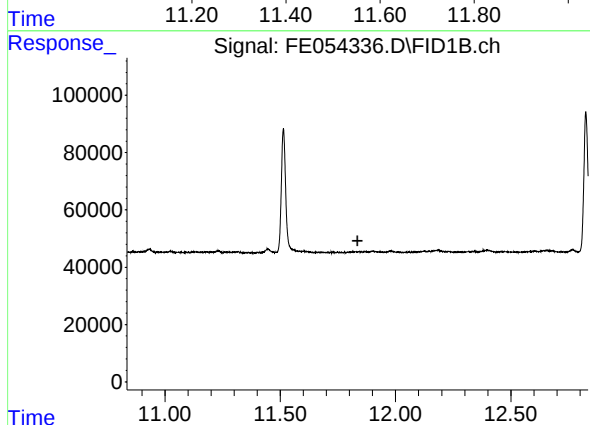
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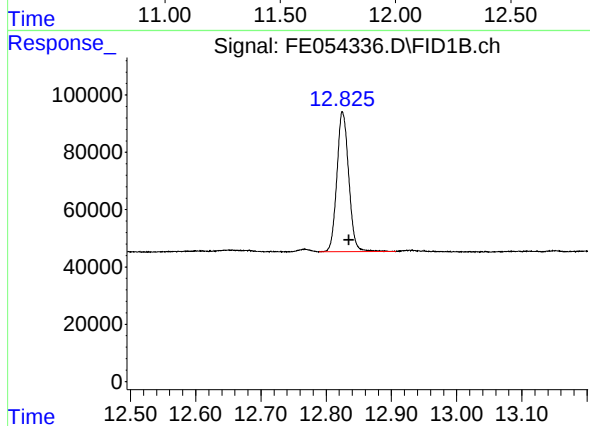
#8 n-Octadecane (C18)

R.T.: 11.514 min
Delta R.T.: -0.007 min
Response: 578794
Conc: 4.29 ug/ml



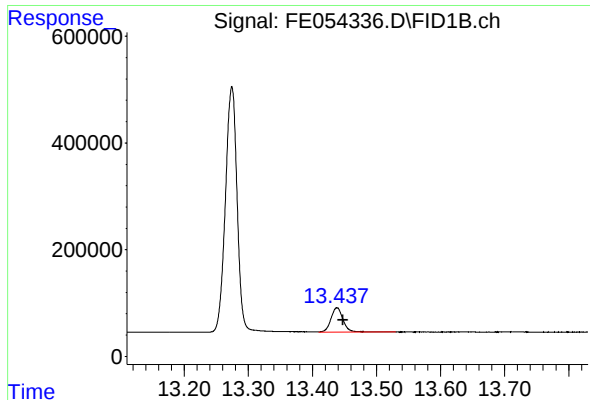
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

R.T.: 12.825 min
Delta R.T.: -0.009 min
Response: 616961
Conc: 4.61 ug/ml



#11 n-Heneicosane (C21)

R.T.: 13.438 min
Delta R.T.: -0.009 min
Response: 597057
Conc: 4.49 ug/ml

Instrument :

FID_E

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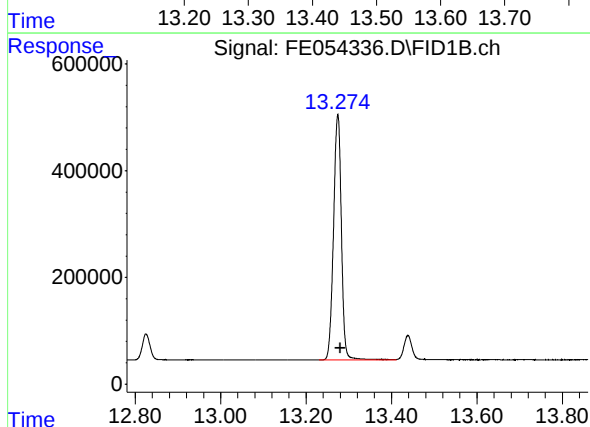
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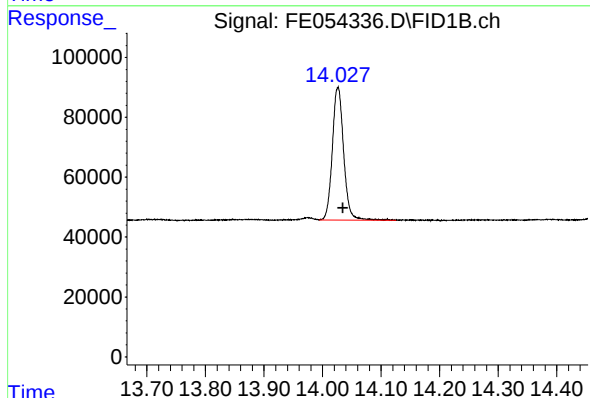
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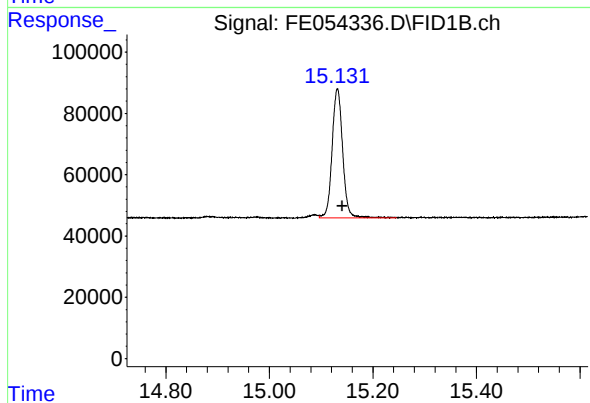
#12 1-chlorooctadecane (SURR)

R.T.: 13.274 min
Delta R.T.: -0.005 min
Response: 5871394
Conc: 48.15 ug/ml



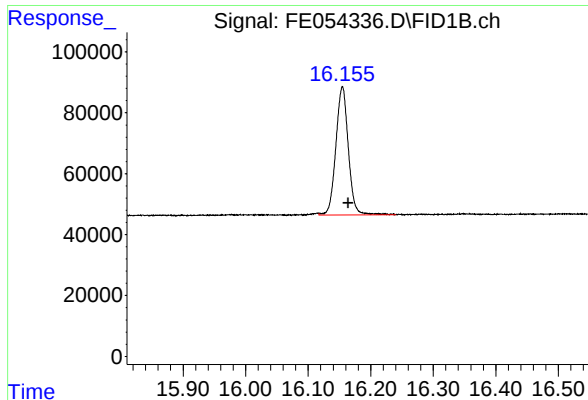
#13 n-Docosane (C22)

R.T.: 14.026 min
Delta R.T.: -0.009 min
Response: 594368
Conc: 4.53 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.131 min
Delta R.T.: -0.010 min
Response: 598554
Conc: 4.64 ug/ml m



#15 n-Hexacosane (C26)

R.T.: 16.155 min
Delta R.T.: -0.010 min
Response: 585216
Conc: 4.66 ug/ml

Instrument :

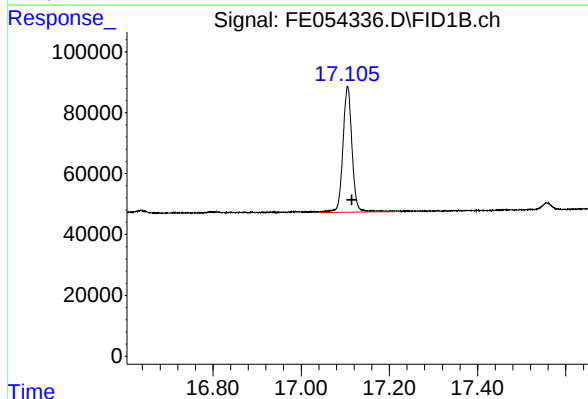
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ClientSampleId :

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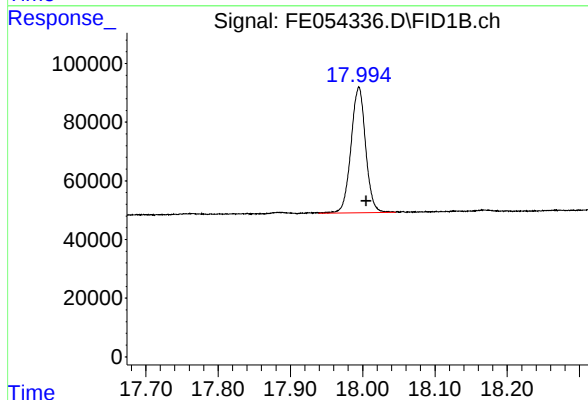
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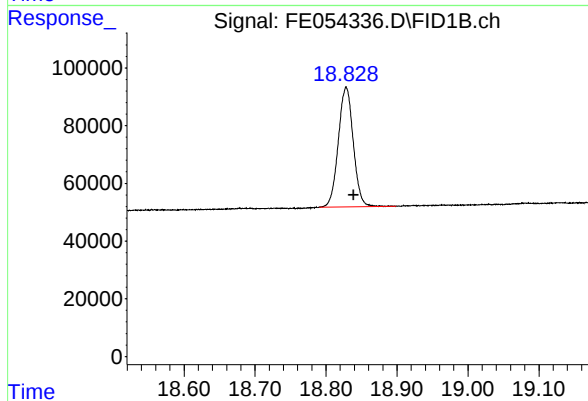
#16 n-Octacosane (C28)

R.T.: 17.105 min
Delta R.T.: -0.010 min
Response: 594202
Conc: 4.85 ug/ml m



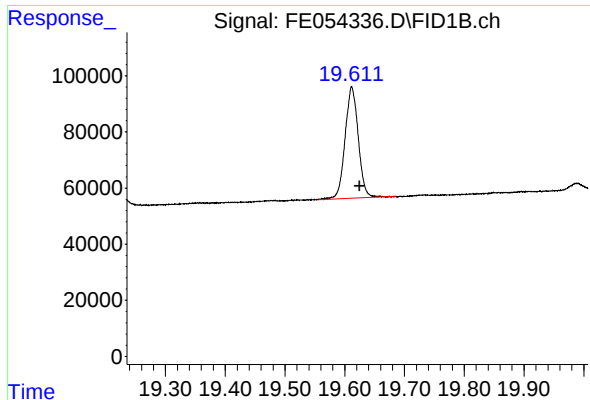
#17 n-Tricontane (C30)

R.T.: 17.994 min
Delta R.T.: -0.011 min
Response: 601986
Conc: 4.86 ug/ml m



#18 n-Dotriacontane (C32)

R.T.: 18.828 min
Delta R.T.: -0.011 min
Response: 608045
Conc: 4.84 ug/ml



#19 n-Tetratriacontane (C34)

R.T.: 19.611 min
Delta R.T.: -0.014 min
Response: 605497
Conc: 4.87 ug/ml

Instrument :

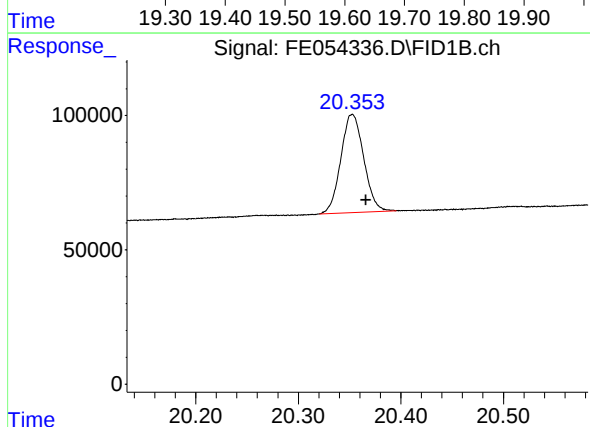
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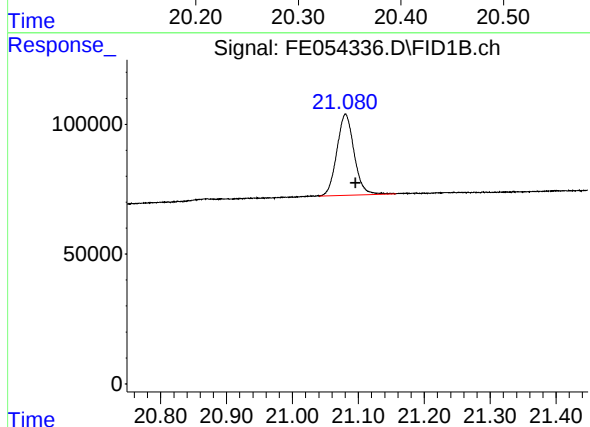
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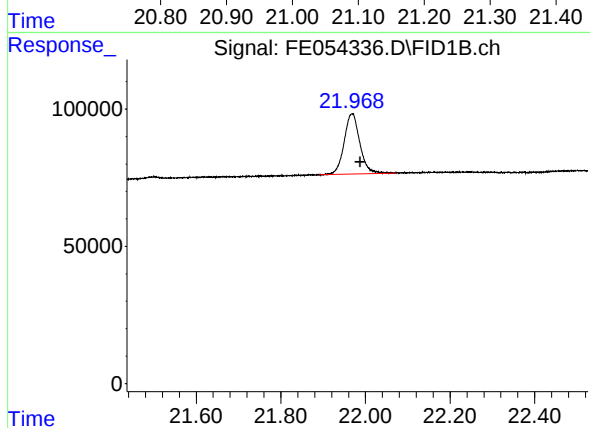
#20 n-Hexatriacontane (C36)

R.T.: 20.353 min
Delta R.T.: -0.014 min
Response: 565838
Conc: 4.40 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.081 min
Delta R.T.: -0.015 min
Response: 566335
Conc: 4.29 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.968 min
Delta R.T.: -0.020 min
Response: 564643
Conc: 4.19 ug/ml m