

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF091124AL\
 Data File : FF014493.D
 Signal(s) : FID2B.ch
 Acq On : 10 Sep 2024 21:28
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/11/2024
 Supervised By :Ankita Jodhani 09/11/2024

Integration File: autoint1.e
 Quant Time: Sep 11 08:03:01 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 091124.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 11 08:02:45 2024
 Response via : Initial Calibration
 Integrator: ChemStation

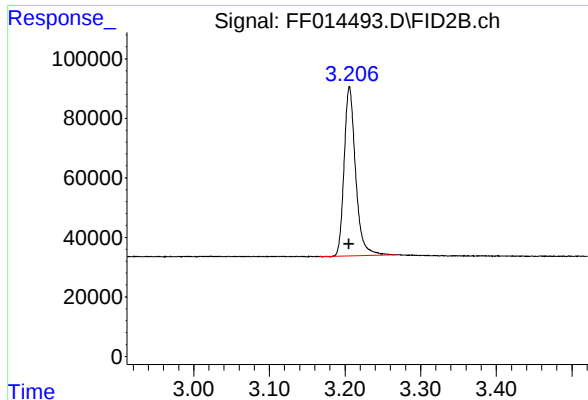
Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.800	739972	5.222 ug/ml
Spiked Amount 50.000		Recovery =	10.44%
12) S 1-chlorooctadecane (S...	13.247	518845	4.939 ug/ml
Spiked Amount 50.000		Recovery =	9.88%
Target Compounds			
1) T n-Nonane (C9)	3.206	598218	5.098 ug/ml
2) T n-Decane (C10)	4.454	591767	5.006 ug/ml
3) T A~Naphthalene (C11.7)	6.152	555369	4.587 ug/ml
4) T n-Dodecane (C12)	6.619	617069	5.073 ug/ml
5) T A~2-methylnaphthalene...	7.251	438859	4.037 ug/ml
6) T n-Tetradecane (C14)	8.446	572849	4.871 ug/ml
7) T n-Hexadecane (C16)	10.051	563815	4.720 ug/ml
8) T n-Octadecane (C18)	11.493	631198	5.000 ug/ml
10) T n-Eicosane (C20)	12.801	647175	5.167 ug/ml
11) T n-Heneicosane (C21)	13.412	641187	5.178 ug/ml
13) T n-Docosane (C22)	13.999	627763	5.131 ug/ml
14) T n-Tetracosane (C24)	15.102	622558	5.129 ug/ml
15) T n-Hexacosane (C26)	16.122	616943	5.177 ug/ml
16) T n-Octacosane (C28)	17.071	601777	5.201 ug/ml
17) T n-Tricontane (C30)	17.958	622900	5.314 ug/ml
18) T n-Dotriacontane (C32)	18.790	591634	5.318 ug/ml
19) T n-Tetratriacontane (C34)	19.575	499618	5.208 ug/ml
20) T n-Hexatriacontane (C36)	20.318	405505	5.013 ug/ml
21) T n-Octatriacontane (C38)	21.044	357569	4.855 ug/mlm
22) T n-Tetracontane (C40)	21.927	299434	4.778 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.



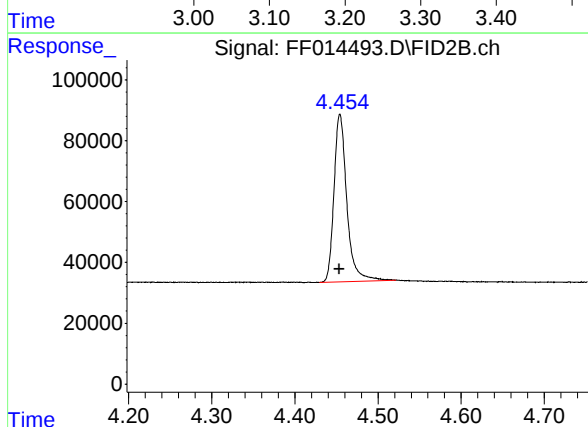
#1 n-Nonane (C9)

R.T.: 3.206 min
Delta R.T.: 0.000 min
Response: 598218
Conc: 5.10 ug/ml

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5 PPM ALIPHATIC HC STD5

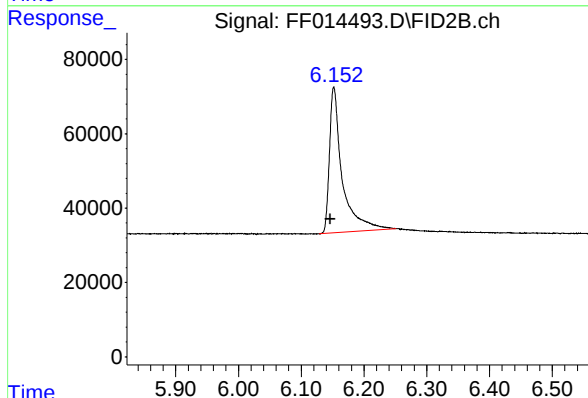
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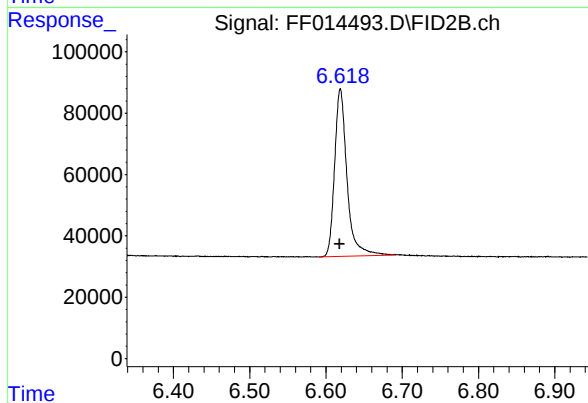
#2 n-Decane (C10)

R.T.: 4.454 min
Delta R.T.: 0.000 min
Response: 591767
Conc: 5.01 ug/ml



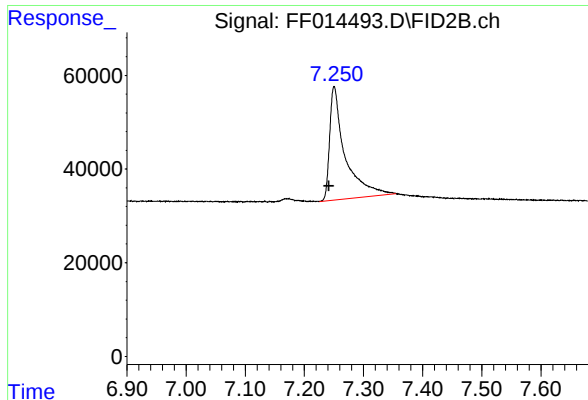
#3 A~Naphthalene (C11.7)

R.T.: 6.152 min
Delta R.T.: 0.006 min
Response: 555369
Conc: 4.59 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.619 min
Delta R.T.: 0.001 min
Response: 617069
Conc: 5.07 ug/ml



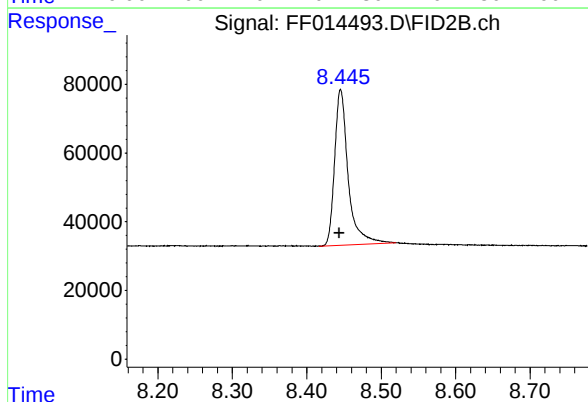
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.251 min
Delta R.T.: 0.009 min
Response: 438859
Conc: 4.04 ug/ml

Instrument :
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5 PPM ALIPHATIC HC STD5

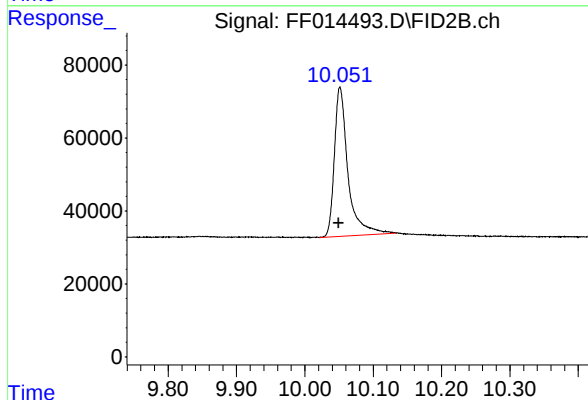
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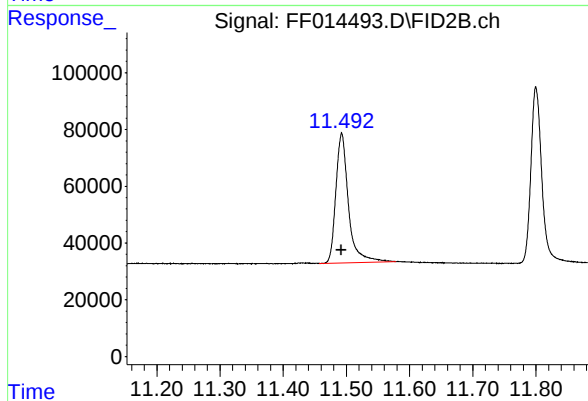
#6 n-Tetradecane (C14)

R.T.: 8.446 min
Delta R.T.: 0.002 min
Response: 572849
Conc: 4.87 ug/ml



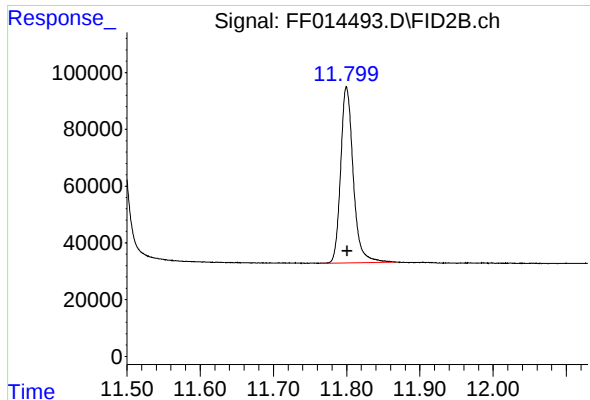
#7 n-Hexadecane (C16)

R.T.: 10.051 min
Delta R.T.: 0.002 min
Response: 563815
Conc: 4.72 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.493 min
Delta R.T.: 0.000 min
Response: 631198
Conc: 5.00 ug/ml



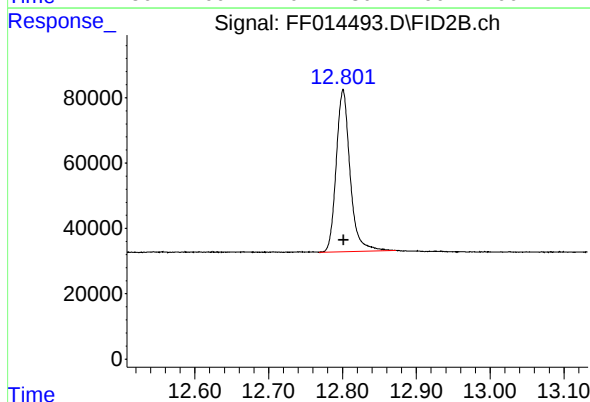
#9 ortho-Terphenyl (SURR)

R.T.: 11.800 min
Delta R.T.: -0.001 min
Response: 739972
Conc: 5.22 ug/ml

Instrument :
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5 PPM ALIPHATIC HC STD5

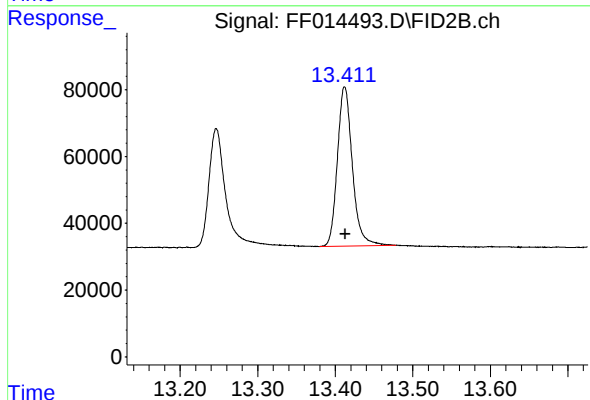
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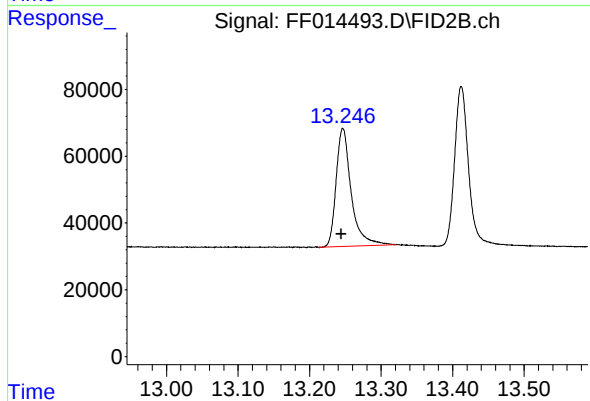
#10 n-Eicosane (C20)

R.T.: 12.801 min
Delta R.T.: 0.000 min
Response: 647175
Conc: 5.17 ug/ml



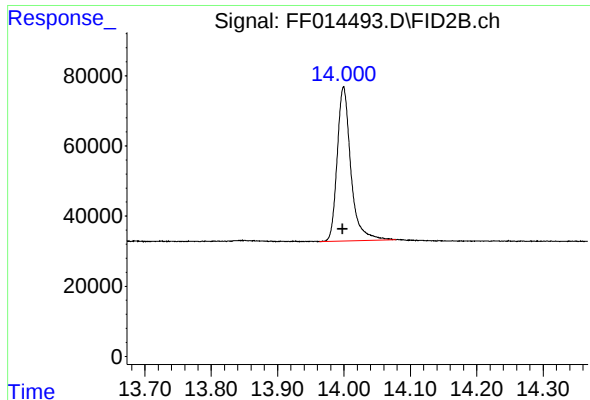
#11 n-Heneicosane (C21)

R.T.: 13.412 min
Delta R.T.: 0.000 min
Response: 641187
Conc: 5.18 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.247 min
Delta R.T.: 0.002 min
Response: 518845
Conc: 4.94 ug/ml



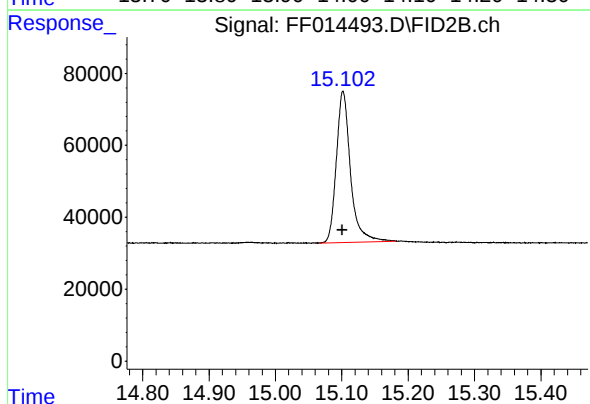
#13 n-Docosane (C22)

R.T.: 13.999 min
Delta R.T.: 0.001 min
Response: 627763
Conc: 5.13 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5

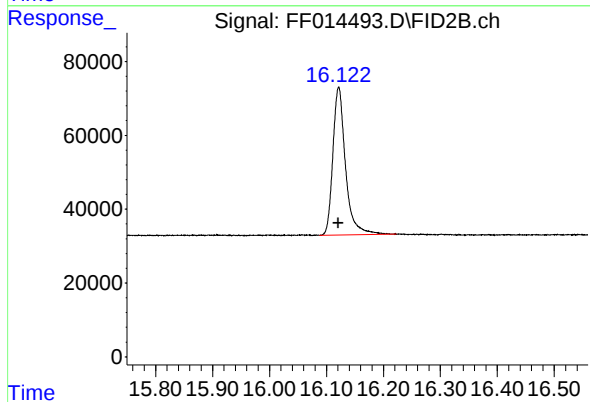
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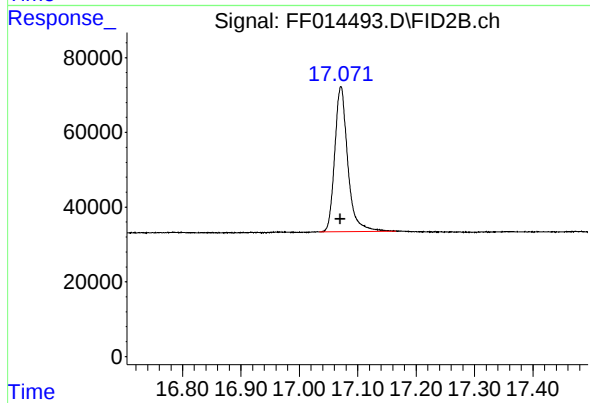
#14 n-Tetracosane (C24)

R.T.: 15.102 min
Delta R.T.: 0.000 min
Response: 622558
Conc: 5.13 ug/ml



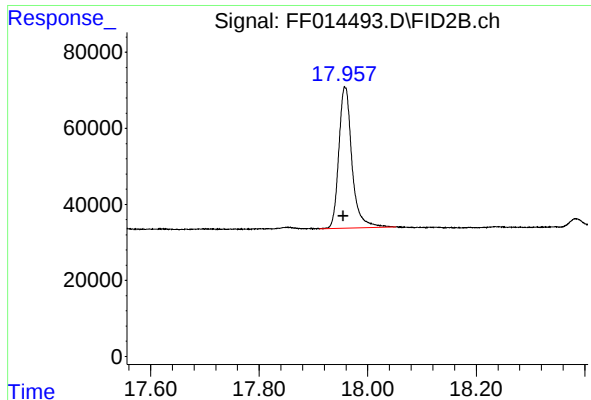
#15 n-Hexacosane (C26)

R.T.: 16.122 min
Delta R.T.: 0.001 min
Response: 616943
Conc: 5.18 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.071 min
Delta R.T.: 0.001 min
Response: 601777
Conc: 5.20 ug/ml



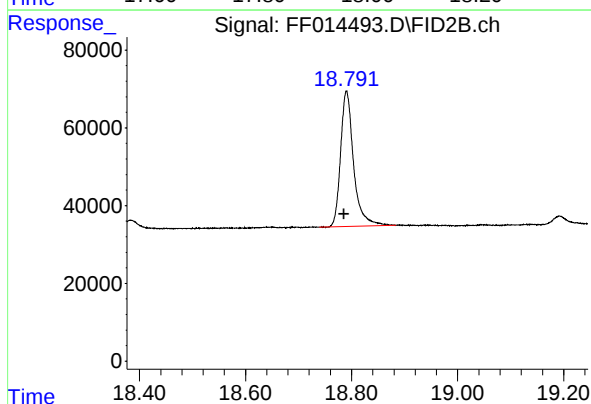
#17 n-Tricontane (C30)

R.T.: 17.958 min
Delta R.T.: 0.003 min
Response: 622900
Conc: 5.31 ug/ml

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5 PPM ALIPHATIC HC STD5

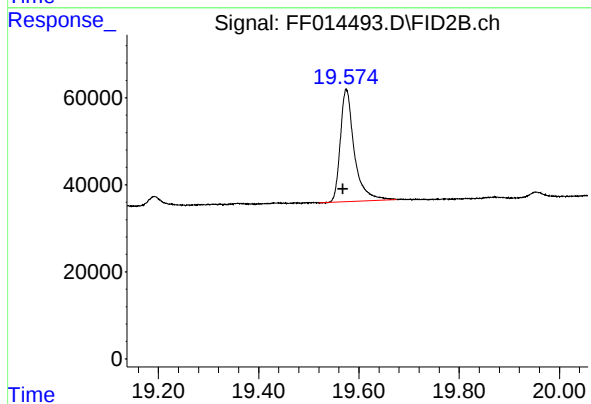
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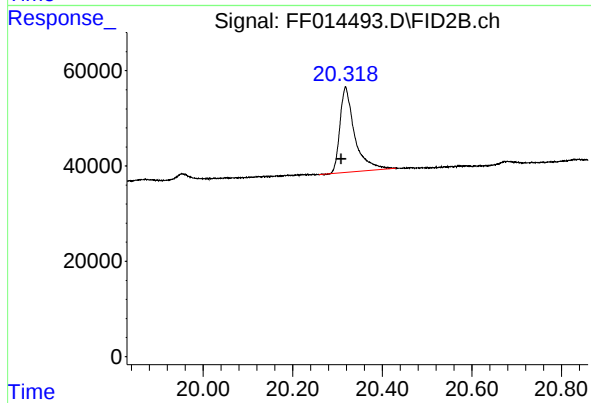
#18 n-Dotriacontane (C32)

R.T.: 18.790 min
Delta R.T.: 0.004 min
Response: 591634
Conc: 5.32 ug/ml



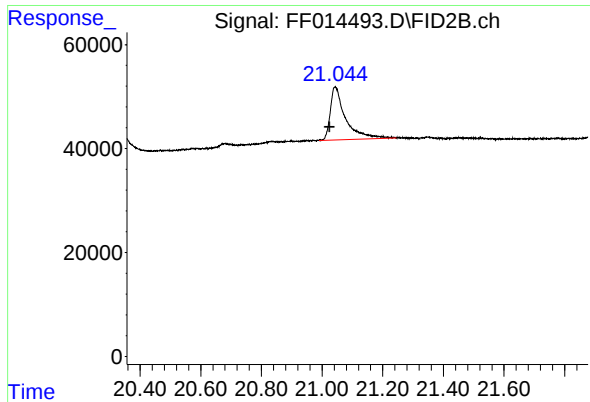
#19 n-Tetratriacontane (C34)

R.T.: 19.575 min
Delta R.T.: 0.006 min
Response: 499618
Conc: 5.21 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.318 min
Delta R.T.: 0.010 min
Response: 405505
Conc: 5.01 ug/ml



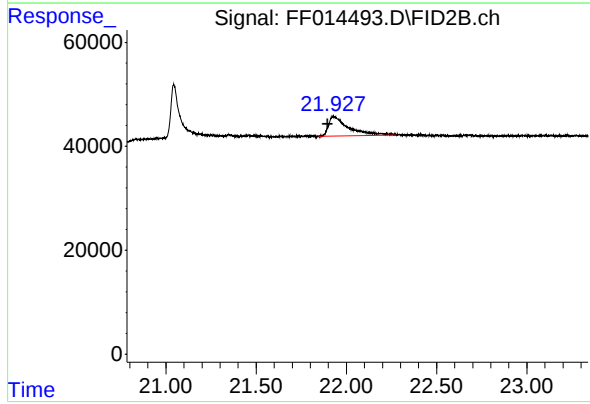
#21 n-Octatriacontane (C38)

R.T.: 21.044 min
Delta R.T.: 0.018 min
Response: 357569
Conc: 4.86 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.927 min
Delta R.T.: 0.030 min
Response: 299434
Conc: 4.78 ug/ml m