

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC120324AL\
 Data File : FC067911.D
 Signal(s) : FID1A.ch
 Acq On : 03 Dec 2024 21:55
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/04/2024
 Supervised By :Ankita Jodhani 12/04/2024

Integration File: autoint1.e
 Quant Time: Dec 04 00:22:46 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 14 14:13:15 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)	11.501	3166741	16.334 ug/ml
Spiked Amount 50.000		Recovery =	32.67%
12) S 1-chlorooctadecane (S...	12.938	2382097	16.410 ug/ml
Spiked Amount 50.000		Recovery =	32.82%
Target Compounds			
1) T n-Nonane (C9)	3.289	2603470	15.961 ug/ml
2) T n-Decane (C10)	4.352	2710137	16.343 ug/ml
3) T A~Naphthalene (C11.7)	5.928	2984765	16.296 ug/ml
4) T n-Dodecane (C12)	6.364	2750663	16.331 ug/ml
5) T A~2-methylnaphthalene...	6.982	2902067	16.363 ug/ml
6) T n-Tetradecane (C14)	8.155	2745322	16.393 ug/ml
7) T n-Hexadecane (C16)	9.751	2845739	16.421 ug/ml
8) T n-Octadecane (C18)	11.190	2894660	16.453 ug/ml
10) T n-Eicosane (C20)	12.495	2833094	16.825 ug/mlm
11) T n-Heneicosane (C21)	13.107	2712402	16.485 ug/ml
13) T n-Docosane (C22)	13.692	2856188	17.538 ug/ml
14) T n-Tetracosane (C24)	14.792	3095341	19.300 ug/ml
15) T n-Hexacosane (C26)	15.811	3214910	20.760 ug/ml
16) T n-Octacosane (C28)	16.759	3227599	21.372 ug/ml
17) T n-Tricontane (C30)	17.645	3272548	21.374 ug/ml
18) T n-Dotriacontane (C32)	18.475	3064347	20.748 ug/ml
19) T n-Tetratriacontane (C34)	19.256	2453868	19.455 ug/ml
20) T n-Hexatriacontane (C36)	19.993	1968458	18.821 ug/ml
21) T n-Octatriacontane (C38)	20.715	1752088	17.936 ug/ml
22) T n-Tetracontane (C40)	21.599	1697728	17.419 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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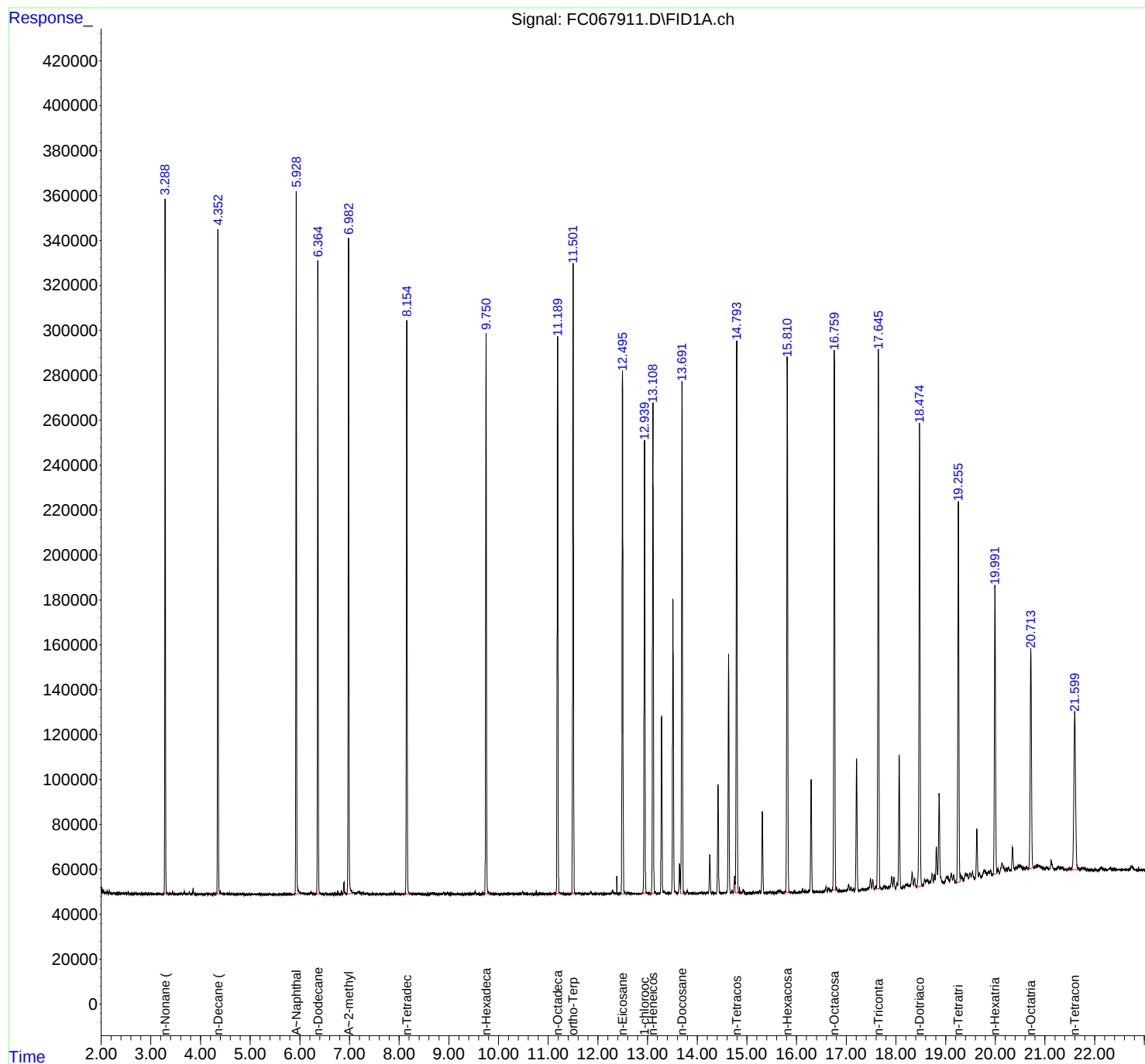
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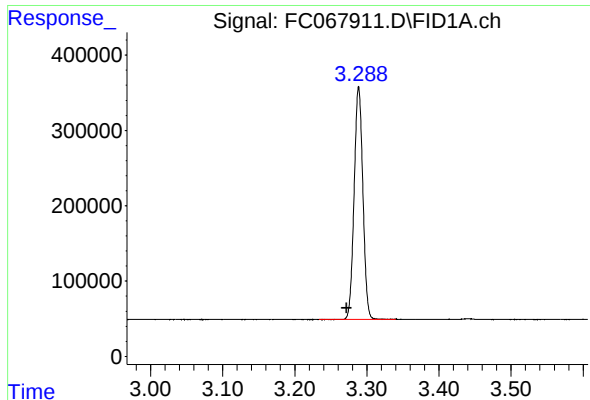
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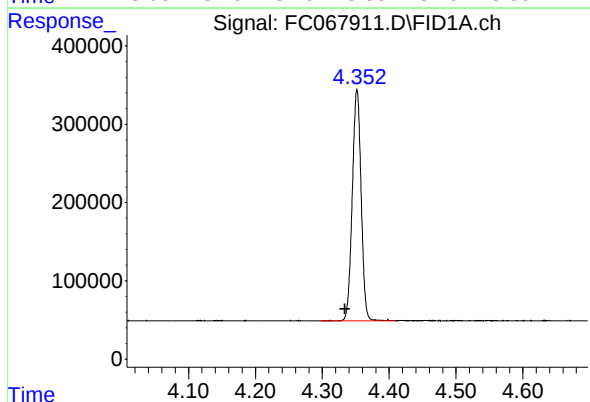
#1 n-Nonane (C9)

R.T.: 3.289 min
Delta R.T.: 0.017 min
Response: 2603470
Conc: 15.96 ug/ml

Instrument :
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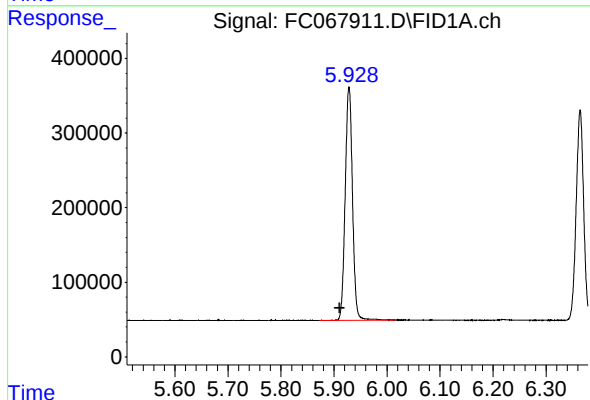
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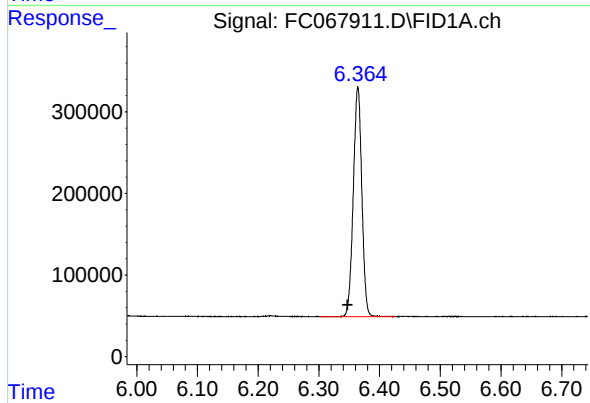
#2 n-Decane (C10)

R.T.: 4.352 min
Delta R.T.: 0.018 min
Response: 2710137
Conc: 16.34 ug/ml



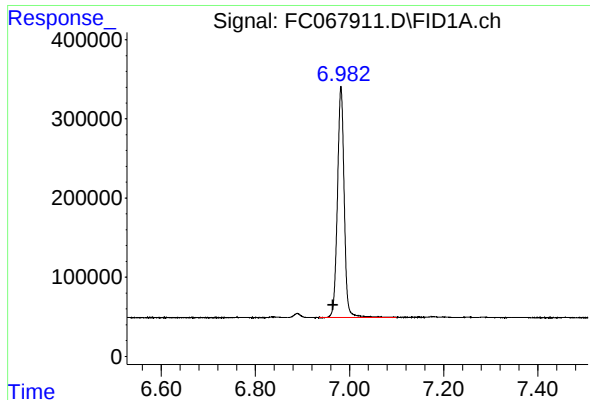
#3 A~Naphthalene (C11.7)

R.T.: 5.928 min
Delta R.T.: 0.018 min
Response: 2984765
Conc: 16.30 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.364 min
Delta R.T.: 0.017 min
Response: 2750663
Conc: 16.33 ug/ml



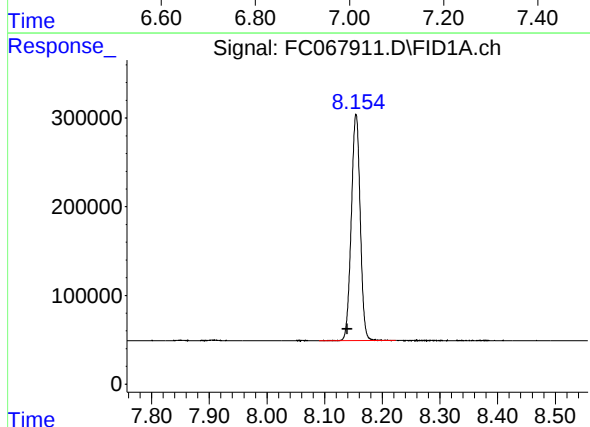
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.982 min
Delta R.T.: 0.017 min
Response: 2902067
Conc: 16.36 ug/ml

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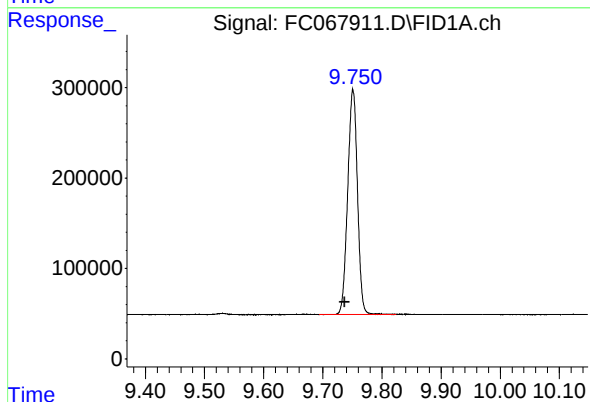
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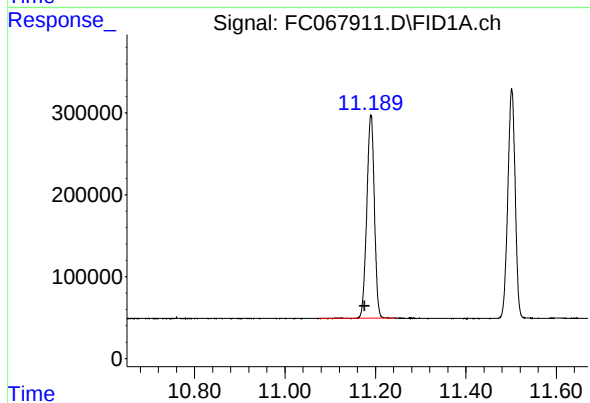
#6 n-Tetradecane (C14)

R.T.: 8.155 min
Delta R.T.: 0.015 min
Response: 2745322
Conc: 16.39 ug/ml



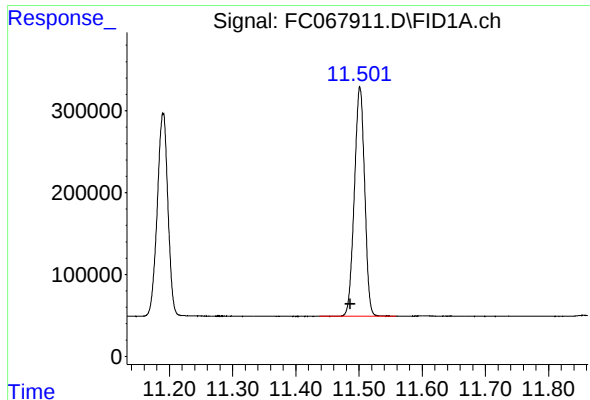
#7 n-Hexadecane (C16)

R.T.: 9.751 min
Delta R.T.: 0.014 min
Response: 2845739
Conc: 16.42 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.190 min
Delta R.T.: 0.014 min
Response: 2894660
Conc: 16.45 ug/ml



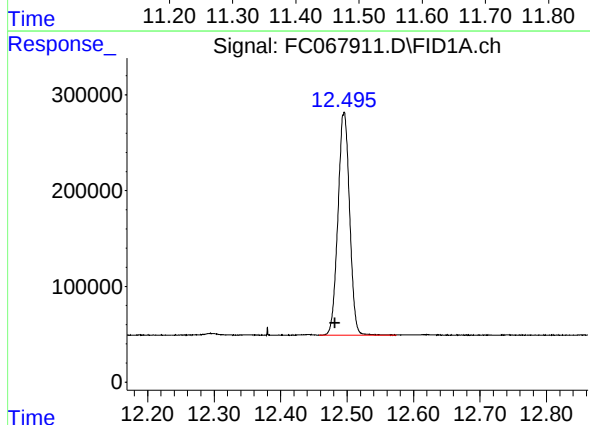
#9 ortho-Terphenyl (SURR)

R.T.: 11.501 min
Delta R.T.: 0.015 min
Response: 3166741
Conc: 16.33 ug/ml

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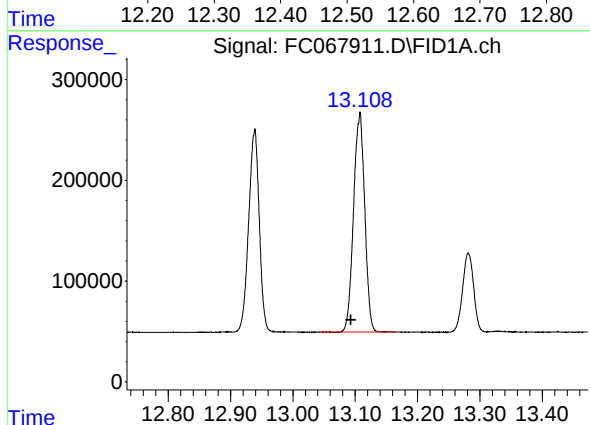
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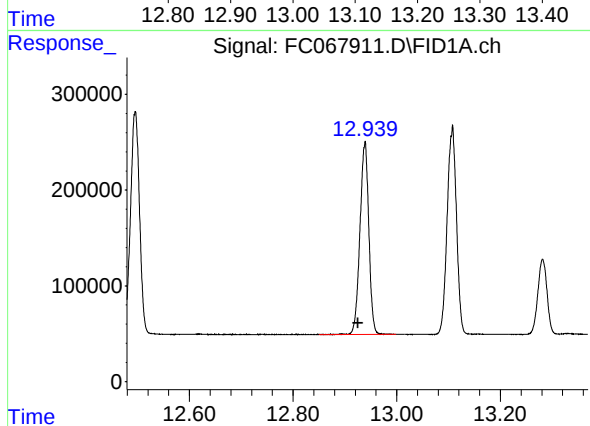
#10 n-Eicosane (C20)

R.T.: 12.495 min
Delta R.T.: 0.013 min
Response: 2833094
Conc: 16.82 ug/ml



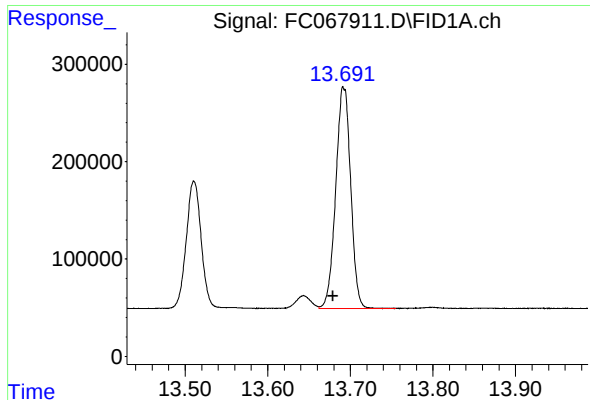
#11 n-Heneicosane (C21)

R.T.: 13.107 min
Delta R.T.: 0.013 min
Response: 2712402
Conc: 16.48 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.938 min
Delta R.T.: 0.013 min
Response: 2382097
Conc: 16.41 ug/ml



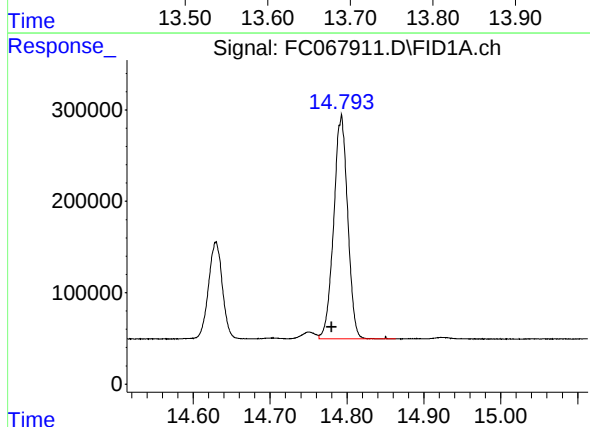
#13 n-Docosane (C22)

R.T.: 13.692 min
Delta R.T.: 0.013 min
Response: 2856188
Conc: 17.54 ug/ml

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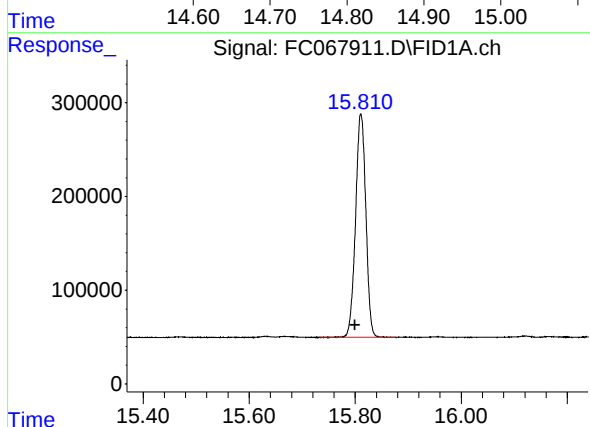
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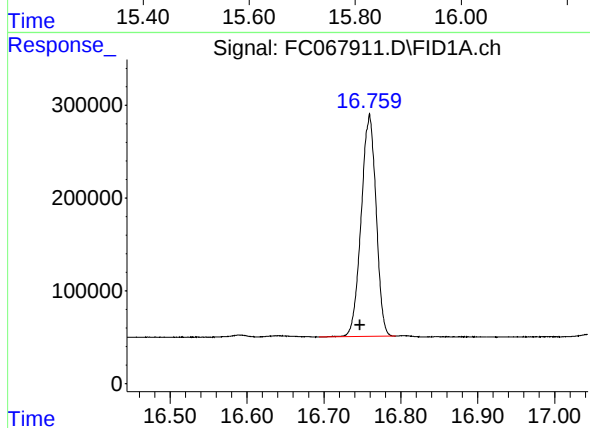
#14 n-Tetracosane (C24)

R.T.: 14.792 min
Delta R.T.: 0.012 min
Response: 3095341
Conc: 19.30 ug/ml



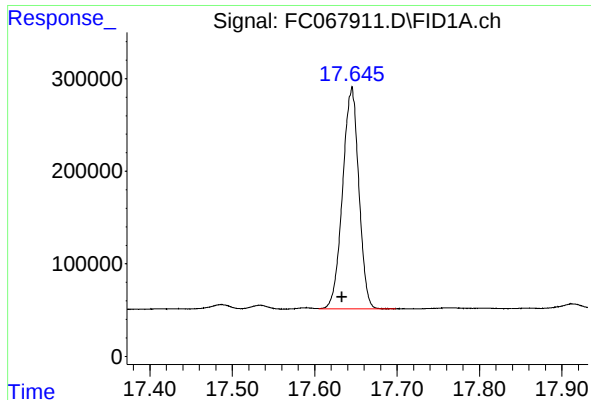
#15 n-Hexacosane (C26)

R.T.: 15.811 min
Delta R.T.: 0.011 min
Response: 3214910
Conc: 20.76 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.759 min
Delta R.T.: 0.012 min
Response: 3227599
Conc: 21.37 ug/ml



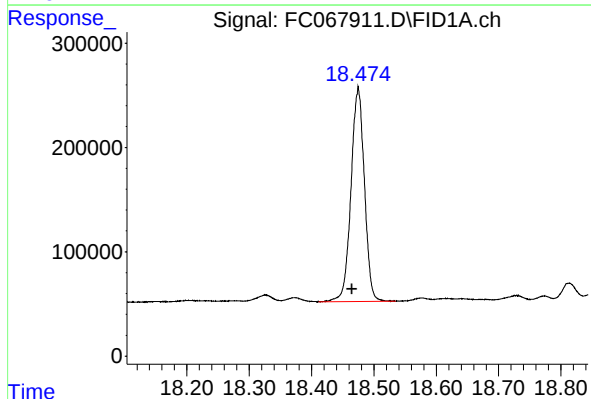
#17 n-Tricontane (C30)

R.T.: 17.645 min
Delta R.T.: 0.011 min
Response: 3272548
Conc: 21.37 ug/ml

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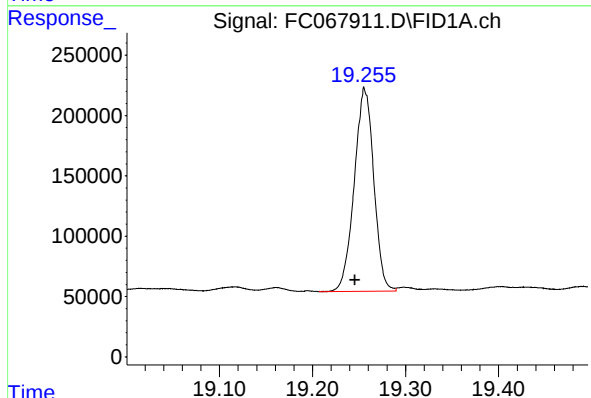
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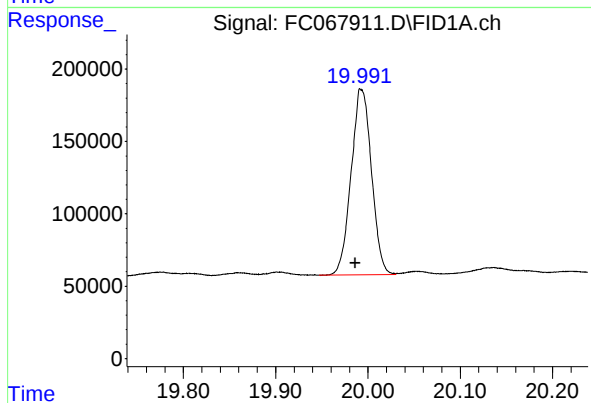
#18 n-Dotriacontane (C32)

R.T.: 18.475 min
Delta R.T.: 0.010 min
Response: 3064347
Conc: 20.75 ug/ml



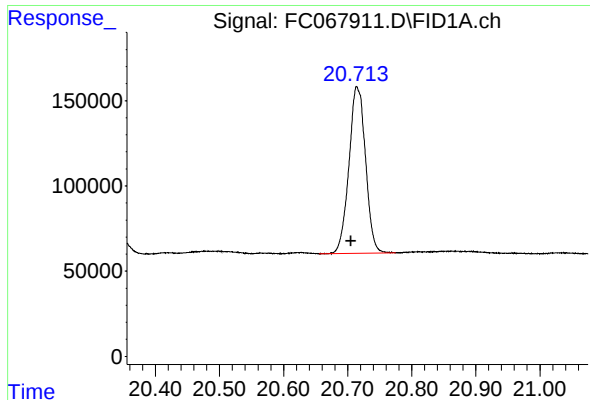
#19 n-Tetratriacontane (C34)

R.T.: 19.256 min
Delta R.T.: 0.011 min
Response: 2453868
Conc: 19.46 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.993 min
Delta R.T.: 0.007 min
Response: 1968458
Conc: 18.82 ug/ml



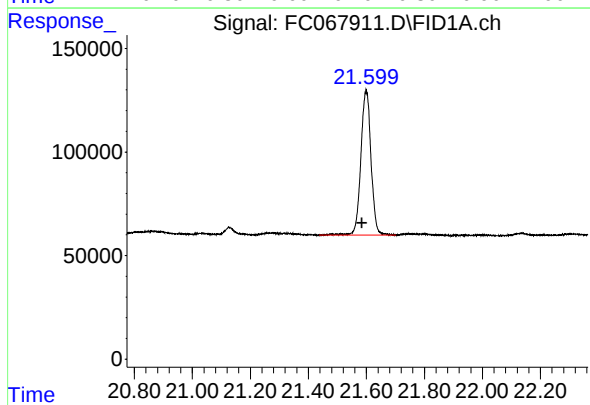
#21 n-Octatriacontane (C38)

R.T.: 20.715 min
Delta R.T.: 0.010 min
Response: 1752088
Conc: 17.94 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.599 min
Delta R.T.: 0.014 min
Response: 1697728
Conc: 17.42 ug/ml