

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F120924AL\
 Data File : FC067945.D
 Signal(s) : FID1A.ch
 Acq On : 09 Dec 2024 13:14
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/10/2024
 Supervised By :Ankita Jodhani 12/10/2024

Integration File: autoint1.e
 Quant Time: Dec 10 04:37:52 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)	11.472	4090049	21.096 ug/ml
Spiked Amount 50.000		Recovery =	42.19%
12) S 1-chlorooctadecane (S...	12.911	3025164	20.840 ug/ml
Spiked Amount 50.000		Recovery =	41.68%
Target Compounds			
1) T n-Nonane (C9)	3.253	3578175	21.937 ug/ml
2) T n-Decane (C10)	4.315	3719839	22.431 ug/ml
3) T A~Naphthalene (C11.7)	5.890	4099980	22.385 ug/ml
4) T n-Dodecane (C12)	6.330	3805432	22.594 ug/ml
5) T A~2-methylnaphthalene...	6.945	3980416	22.443 ug/ml
6) T n-Tetradecane (C14)	8.122	3777911	22.558 ug/ml
7) T n-Hexadecane (C16)	9.722	3844303	22.183 ug/ml
8) T n-Octadecane (C18)	11.161	3821428	21.720 ug/mlm
10) T n-Eicosane (C20)	12.469	3577841	21.248 ug/ml
11) T n-Heneicosane (C21)	13.081	3466435	21.068 ug/ml
13) T n-Docosane (C22)	13.665	3404283	20.904 ug/ml
14) T n-Tetracosane (C24)	14.767	3298910	20.569 ug/ml
15) T n-Hexacosane (C26)	15.787	3190239	20.601 ug/ml
16) T n-Octacosane (C28)	16.735	3135853	20.764 ug/ml
17) T n-Tricontane (C30)	17.622	3205653	20.937 ug/ml
18) T n-Dotriacontane (C32)	18.453	3107106	21.038 ug/ml
19) T n-Tetratriacontane (C34)	19.234	2716362	21.536 ug/ml
20) T n-Hexatriacontane (C36)	19.972	2324668	22.227 ug/ml
21) T n-Octatriacontane (C38)	20.695	2179175	22.308 ug/ml
22) T n-Tetracontane (C40)	21.574	2103879	21.586 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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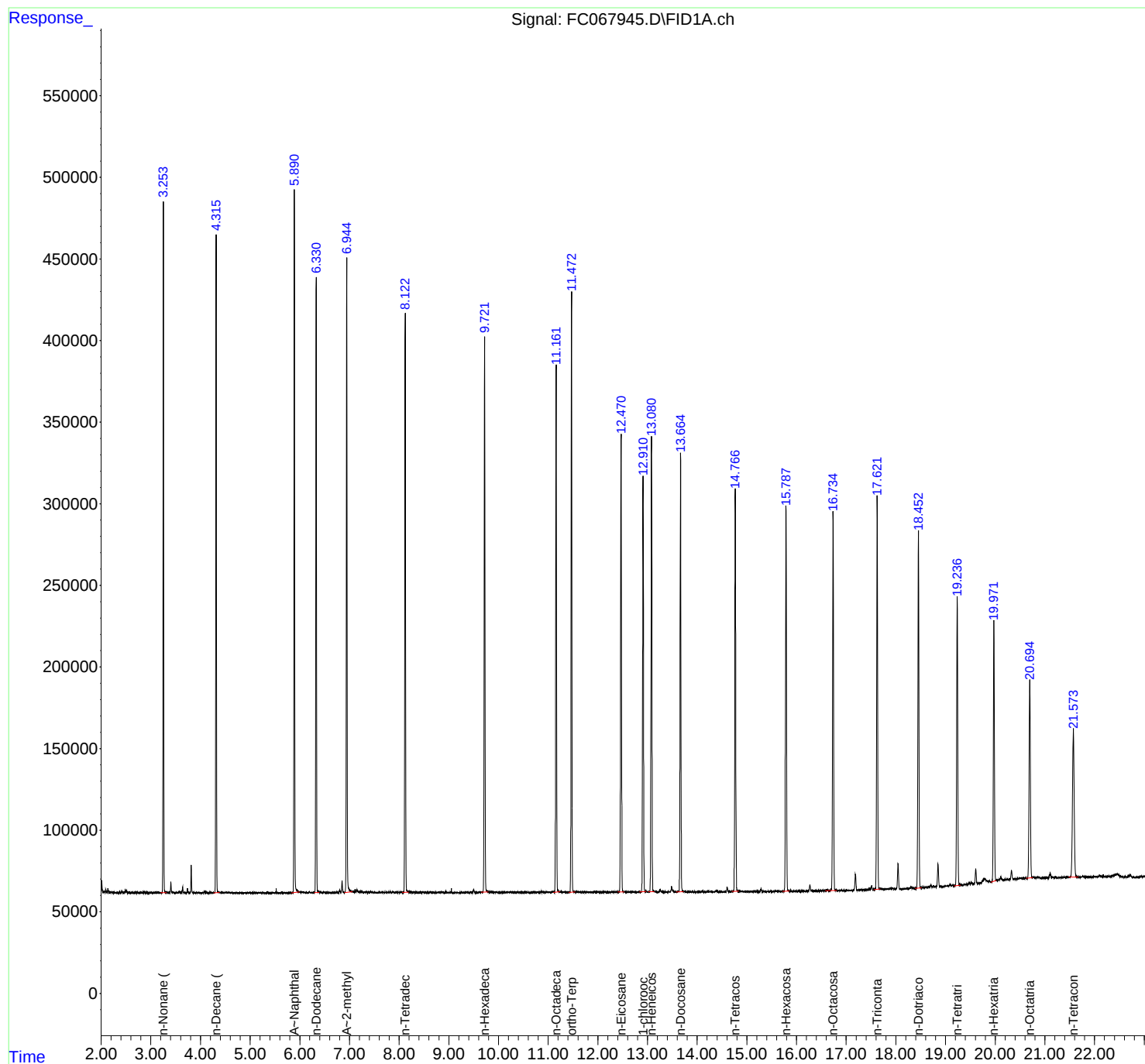
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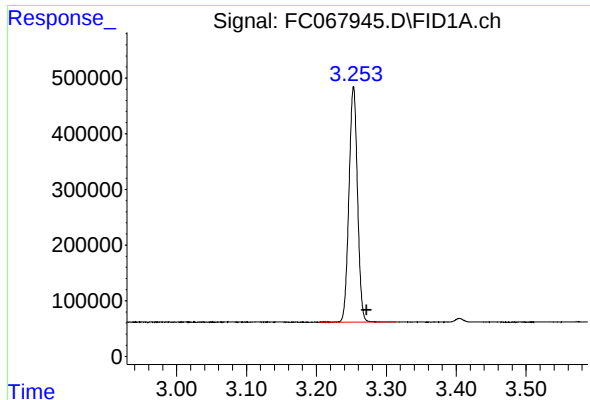
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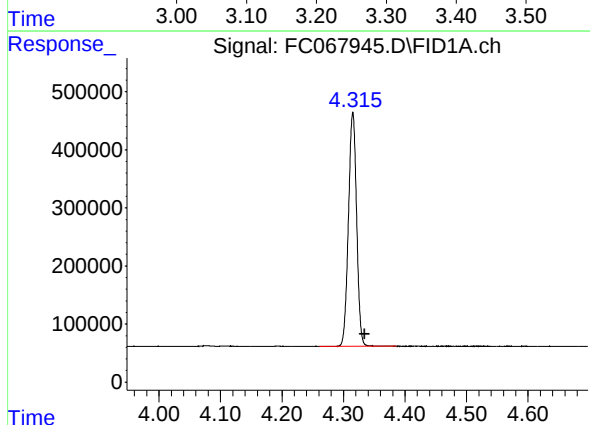
#1 n-Nonane (C9)

R.T.: 3.253 min
Delta R.T.: -0.019 min
Response: 3578175
Conc: 21.94 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

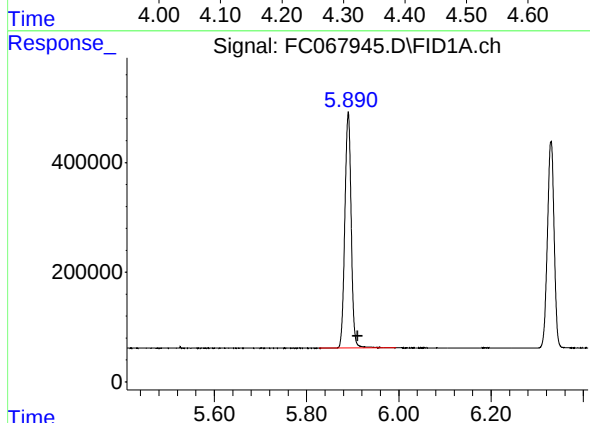
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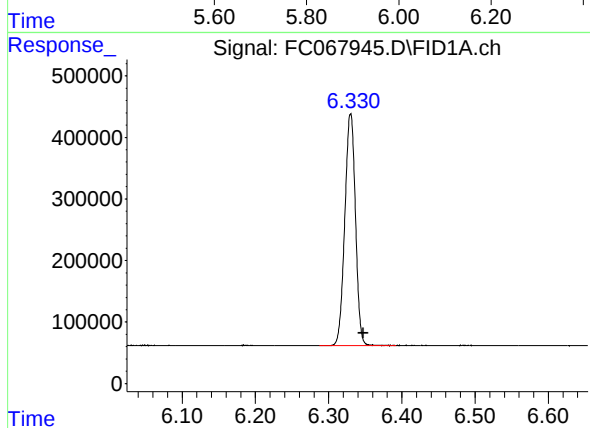
#2 n-Decane (C10)

R.T.: 4.315 min
Delta R.T.: -0.019 min
Response: 3719839
Conc: 22.43 ug/ml



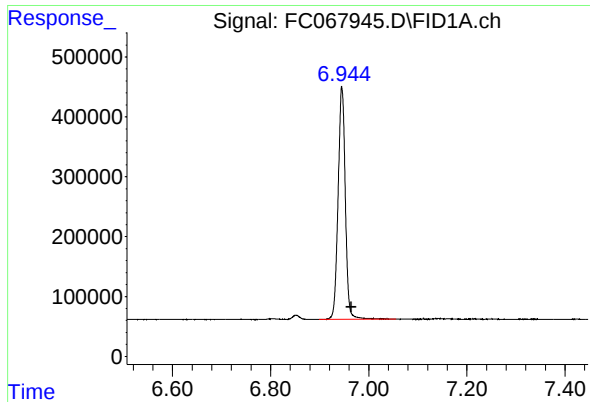
#3 A~Naphthalene (C11.7)

R.T.: 5.890 min
Delta R.T.: -0.021 min
Response: 4099980
Conc: 22.38 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.330 min
Delta R.T.: -0.018 min
Response: 3805432
Conc: 22.59 ug/ml



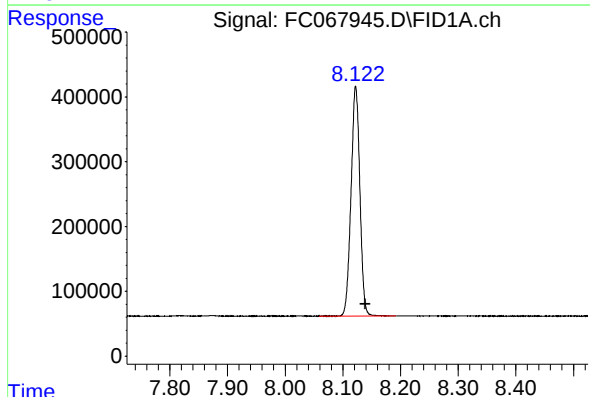
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.945 min
Delta R.T.: -0.019 min
Response: 3980416
Conc: 22.44 ug/ml

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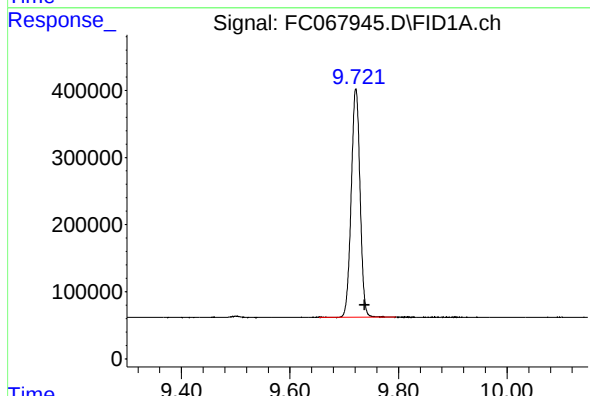
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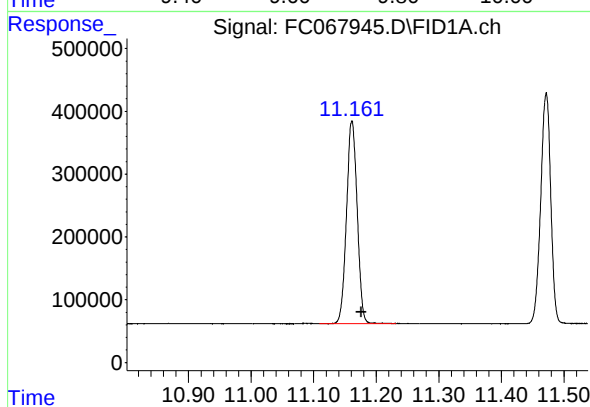
#6 n-Tetradecane (C14)

R.T.: 8.122 min
Delta R.T.: -0.017 min
Response: 3777911
Conc: 22.56 ug/ml



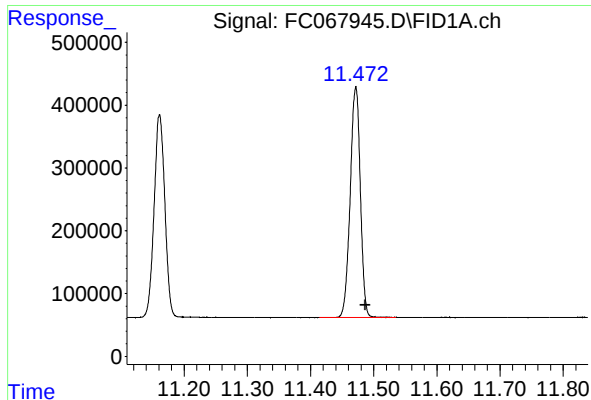
#7 n-Hexadecane (C16)

R.T.: 9.722 min
Delta R.T.: -0.016 min
Response: 3844303
Conc: 22.18 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.161 min
Delta R.T.: -0.015 min
Response: 3821428
Conc: 21.72 ug/ml m



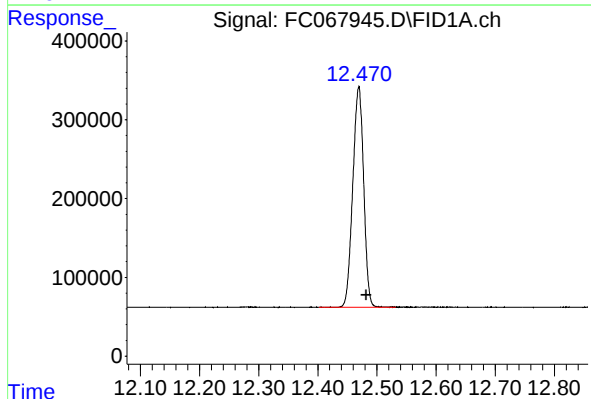
#9 ortho-Terphenyl (SURR)

R.T.: 11.472 min
Delta R.T.: -0.015 min
Response: 4090049
Conc: 21.10 ug/ml

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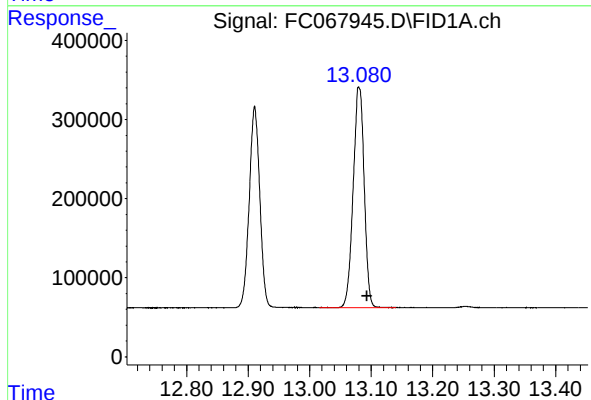
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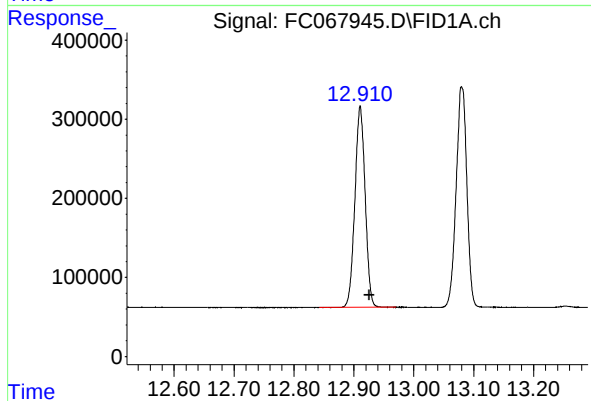
#10 n-Eicosane (C20)

R.T.: 12.469 min
Delta R.T.: -0.013 min
Response: 3577841
Conc: 21.25 ug/ml



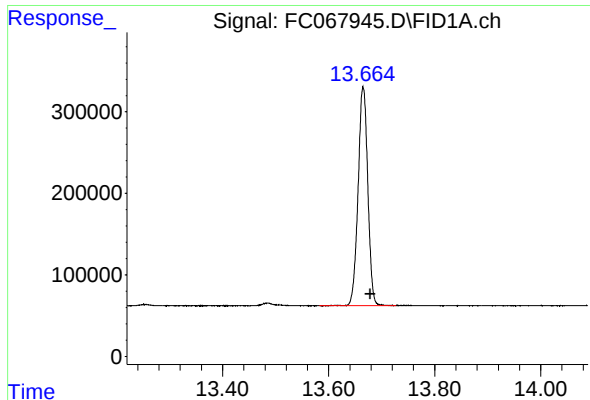
#11 n-Heneicosane (C21)

R.T.: 13.081 min
Delta R.T.: -0.013 min
Response: 3466435
Conc: 21.07 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.911 min
Delta R.T.: -0.015 min
Response: 3025164
Conc: 20.84 ug/ml



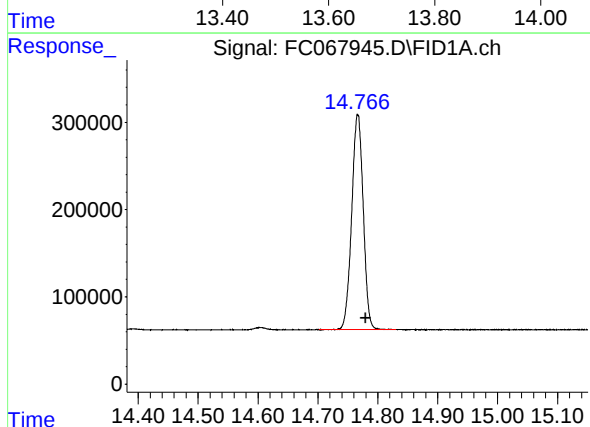
#13 n-Docosane (C22)

R.T.: 13.665 min
Delta R.T.: -0.013 min
Response: 3404283
Conc: 20.90 ug/ml

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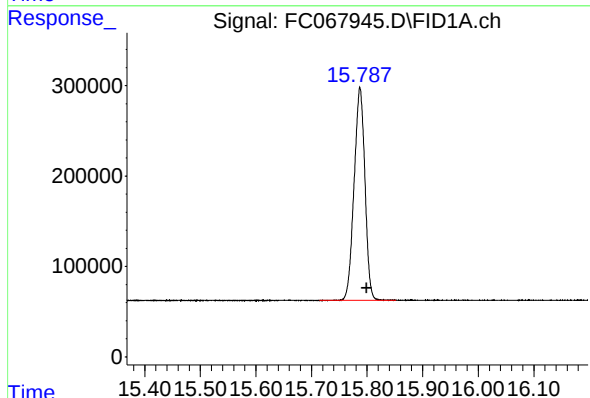
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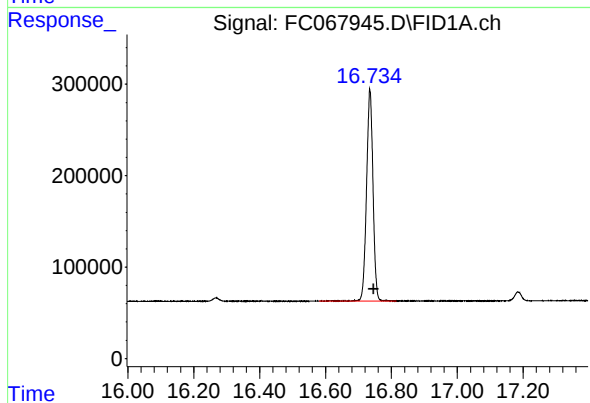
#14 n-Tetracosane (C24)

R.T.: 14.767 min
Delta R.T.: -0.013 min
Response: 3298910
Conc: 20.57 ug/ml



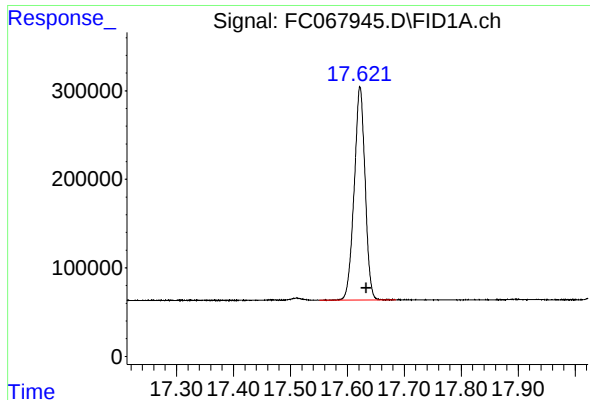
#15 n-Hexacosane (C26)

R.T.: 15.787 min
Delta R.T.: -0.012 min
Response: 3190239
Conc: 20.60 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.735 min
Delta R.T.: -0.012 min
Response: 3135853
Conc: 20.76 ug/ml



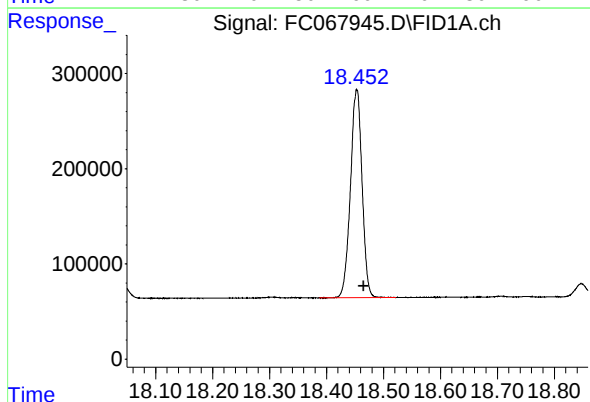
#17 n-Tricontane (C30)

R.T.: 17.622 min
Delta R.T.: -0.011 min
Response: 3205653
Conc: 20.94 ug/ml

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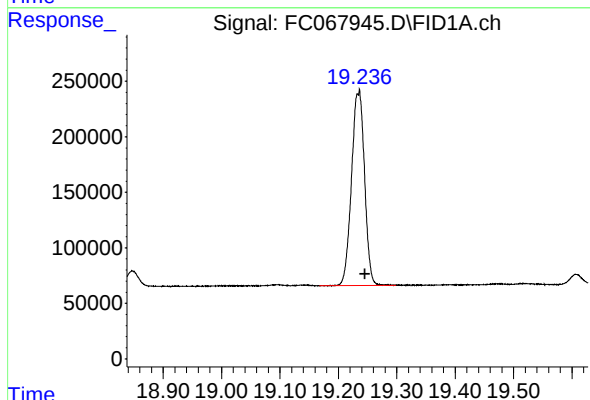
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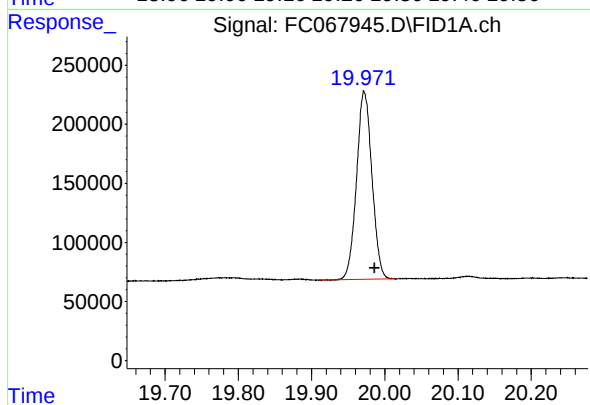
#18 n-Dotriacontane (C32)

R.T.: 18.453 min
Delta R.T.: -0.012 min
Response: 3107106
Conc: 21.04 ug/ml



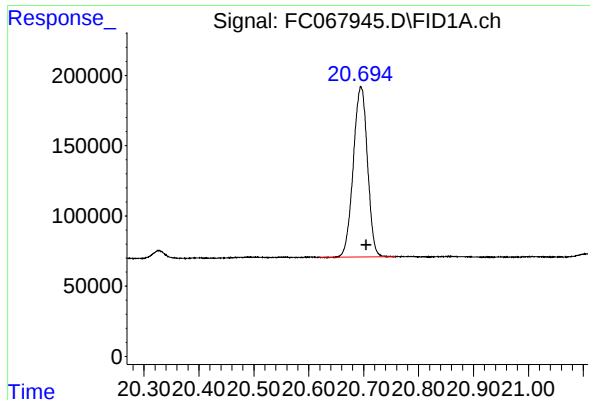
#19 n-Tetratriacontane (C34)

R.T.: 19.234 min
Delta R.T.: -0.011 min
Response: 2716362
Conc: 21.54 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.972 min
Delta R.T.: -0.014 min
Response: 2324668
Conc: 22.23 ug/ml



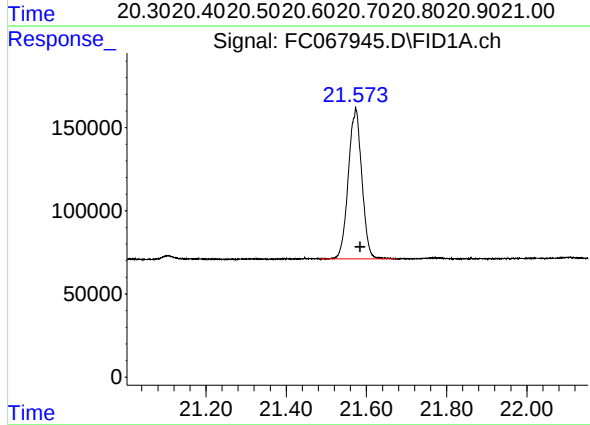
#21 n-Octatriacontane (C38)

R.T.: 20.695 min
Delta R.T.: -0.010 min
Response: 2179175
Conc: 22.31 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.574 min
Delta R.T.: -0.012 min
Response: 2103879
Conc: 21.59 ug/ml