

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC092524AL\
 Data File : FC067268.D
 Signal(s) : FID1A.ch
 Acq On : 25 Sep 2024 20:58
 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 09/26/2024
 Supervised By :Ankita Jodhani 09/26/2024

Integration File: autoint1.e
 Quant Time: Sep 26 05:28:22 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 11 02:55:44 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)	11.499	2481566	17.822 ug/ml
Spiked Amount 50.000		Recovery =	35.64%
12) S 1-chlorooctadecane (S...	12.938	1816824	18.599 ug/ml
Spiked Amount 50.000		Recovery =	37.20%
Target Compounds			
1) T n-Nonane (C9)	3.276	2326344	17.538 ug/ml
2) T n-Decane (C10)	4.340	2442467	18.186 ug/ml
3) T A~Naphthalene (C11.7)	5.918	2557933	17.998 ug/ml
4) T n-Dodecane (C12)	6.356	2438555	18.218 ug/ml
5) T A~2-methylnaphthalene...	6.973	2420898	18.129 ug/ml
6) T n-Tetradecane (C14)	8.149	2366247	18.361 ug/ml
7) T n-Hexadecane (C16)	9.748	2388672	18.527 ug/ml
8) T n-Octadecane (C18)	11.188	2378448	18.590 ug/ml
10) T n-Eicosane (C20)	12.496	2239483	18.645 ug/ml
11) T n-Heneicosane (C21)	13.107	2177494	18.644 ug/ml
13) T n-Docosane (C22)	13.693	2160194	18.709 ug/ml
14) T n-Tetracosane (C24)	14.794	2167557	19.087 ug/ml
15) T n-Hexacosane (C26)	15.813	2133419	19.250 ug/ml
16) T n-Octacosane (C28)	16.762	2200528	20.372 ug/ml
17) T n-Tricontane (C30)	17.648	2400810	22.072 ug/ml
18) T n-Dotriacontane (C32)	18.478	2452961	23.517 ug/ml
19) T n-Tetratriacontane (C34)	19.263	2266953	24.572 ug/ml
20) T n-Hexatriacontane (C36)	20.000	2012346	25.393 ug/ml
21) T n-Octatriacontane (C38)	20.724	1875083	24.963 ug/ml
22) T n-Tetracontane (C40)	21.612	1712863	24.517 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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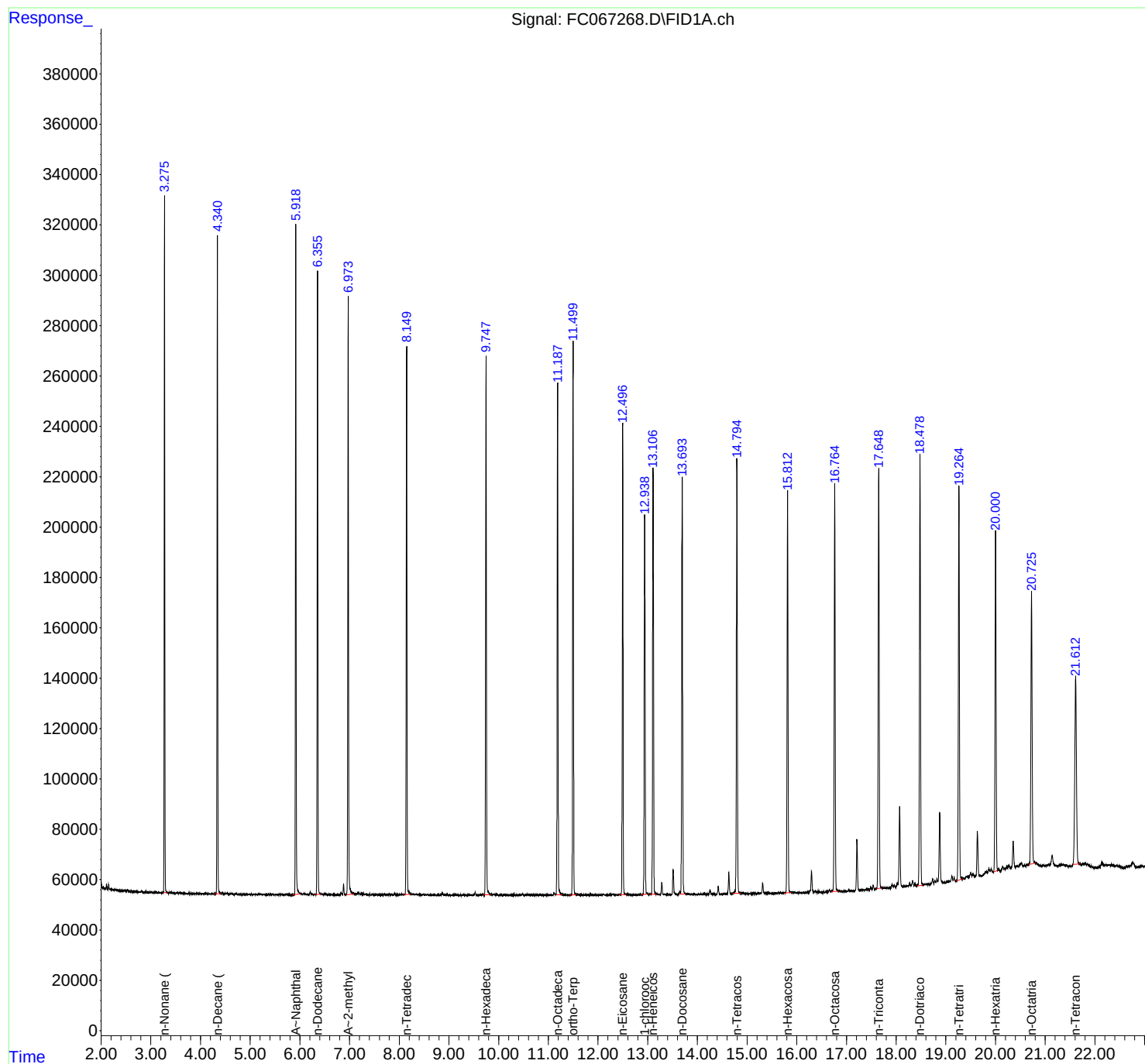
Instrument :
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20 PPM ALIPHATIC HC STD

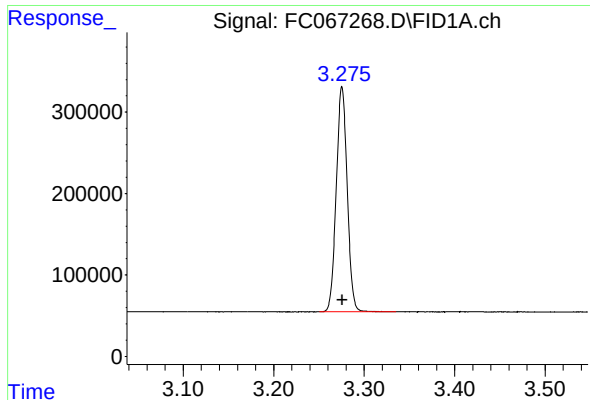
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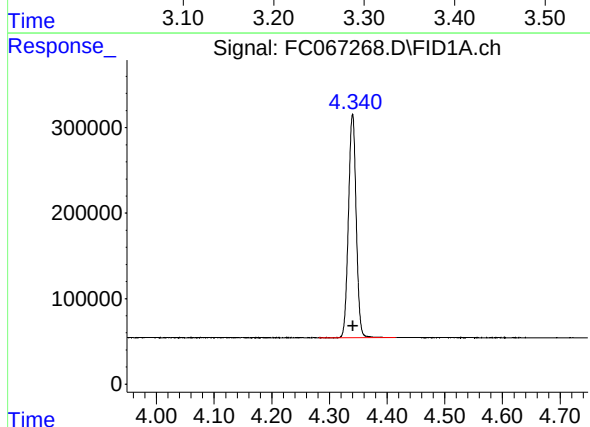
#1 n-Nonane (C9)

R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 2326344
Conc: 17.54 ug/ml

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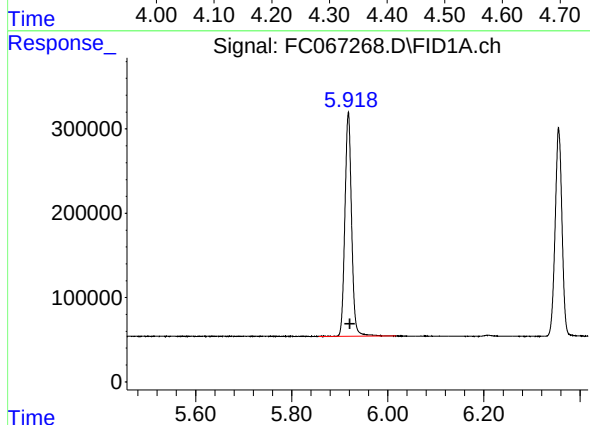
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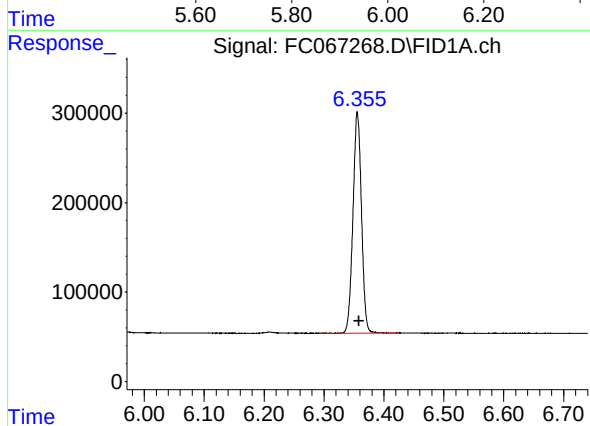
#2 n-Decane (C10)

R.T.: 4.340 min
Delta R.T.: 0.000 min
Response: 2442467
Conc: 18.19 ug/ml



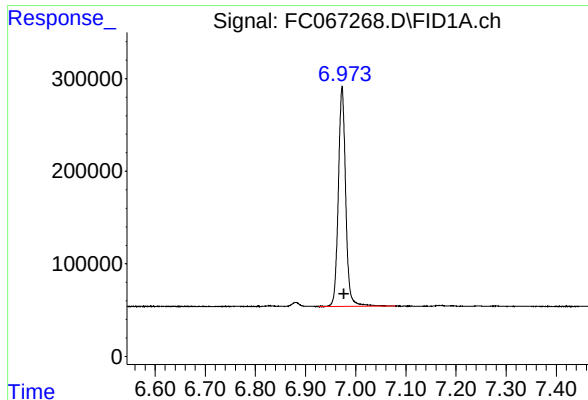
#3 A~Naphthalene (C11.7)

R.T.: 5.918 min
Delta R.T.: -0.004 min
Response: 2557933
Conc: 18.00 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.356 min
Delta R.T.: -0.002 min
Response: 2438555
Conc: 18.22 ug/ml



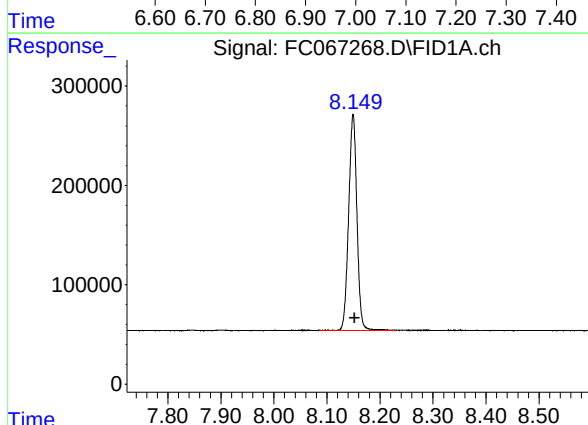
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.973 min
Delta R.T.: -0.004 min
Response: 2420898
Conc: 18.13 ug/ml

Instrument :
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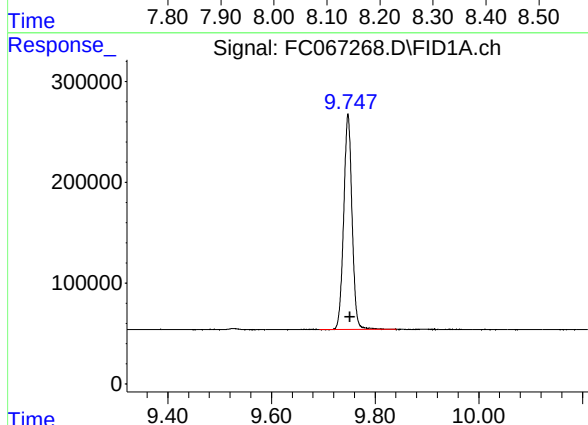
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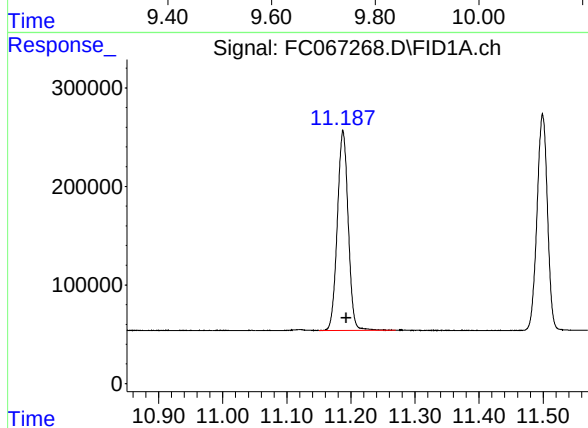
#6 n-Tetradecane (C14)

R.T.: 8.149 min
Delta R.T.: -0.003 min
Response: 2366247
Conc: 18.36 ug/ml



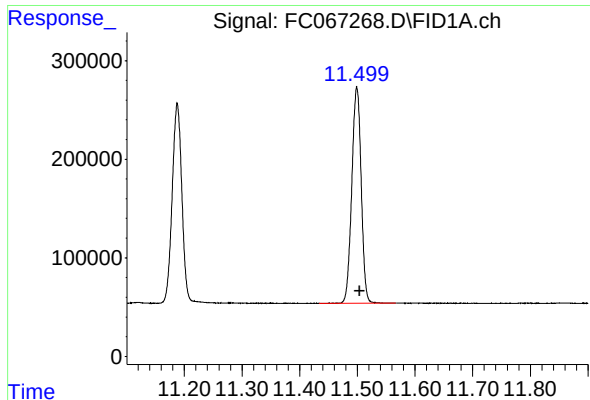
#7 n-Hexadecane (C16)

R.T.: 9.748 min
Delta R.T.: -0.004 min
Response: 2388672
Conc: 18.53 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.188 min
Delta R.T.: -0.005 min
Response: 2378448
Conc: 18.59 ug/ml



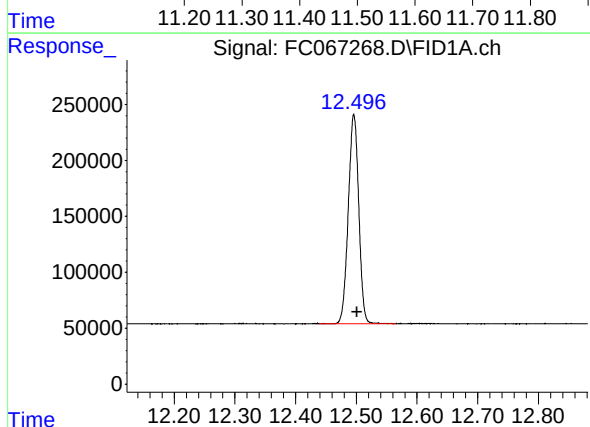
#9 ortho-Terphenyl (SURR)

R.T.: 11.499 min
Delta R.T.: -0.005 min
Response: 2481566
Conc: 17.82 ug/ml

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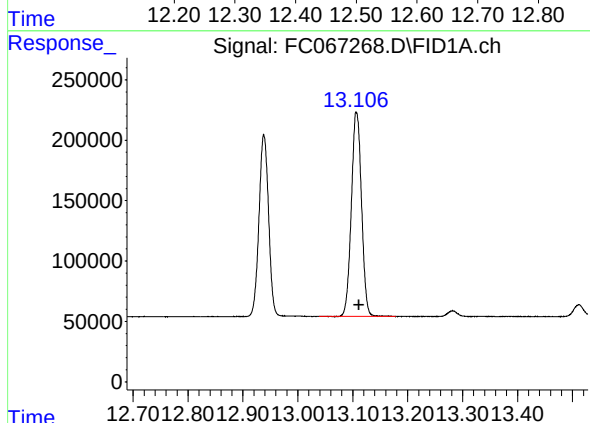
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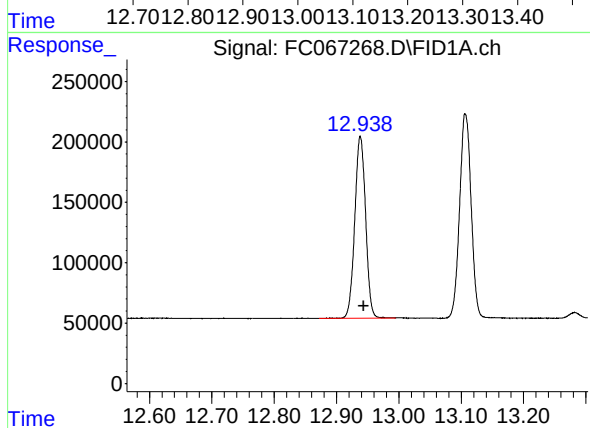
#10 n-Eicosane (C20)

R.T.: 12.496 min
Delta R.T.: -0.005 min
Response: 2239483
Conc: 18.64 ug/ml



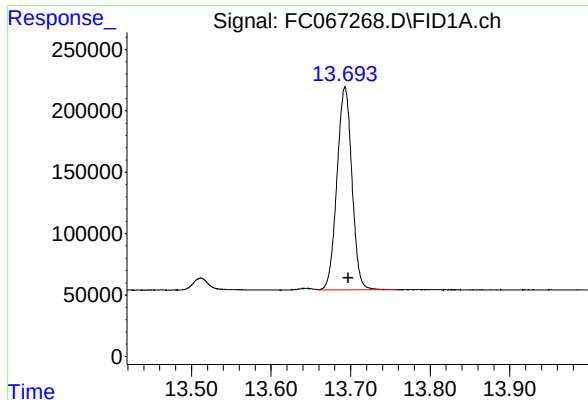
#11 n-Heneicosane (C21)

R.T.: 13.107 min
Delta R.T.: -0.005 min
Response: 2177494
Conc: 18.64 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.938 min
Delta R.T.: -0.005 min
Response: 1816824
Conc: 18.60 ug/ml



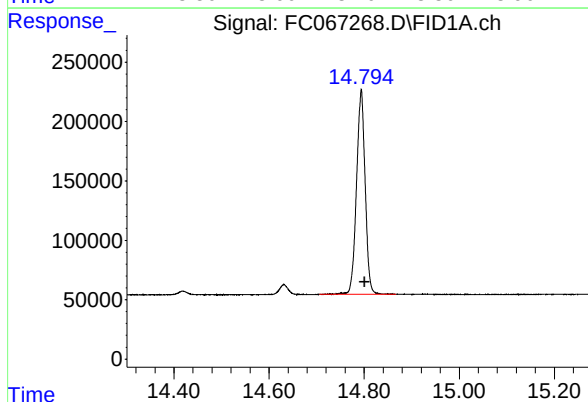
#13 n-Docosane (C22)

R.T.: 13.693 min
Delta R.T.: -0.004 min
Response: 2160194
Conc: 18.71 ug/ml

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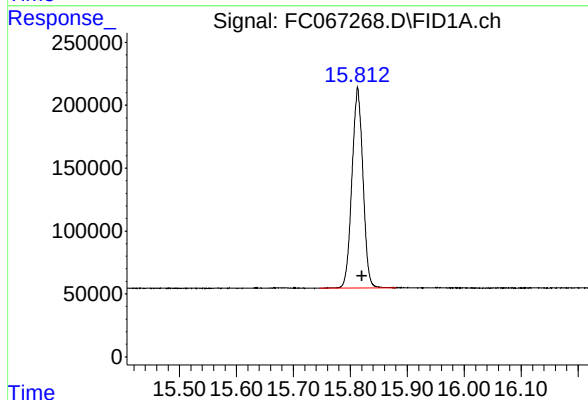
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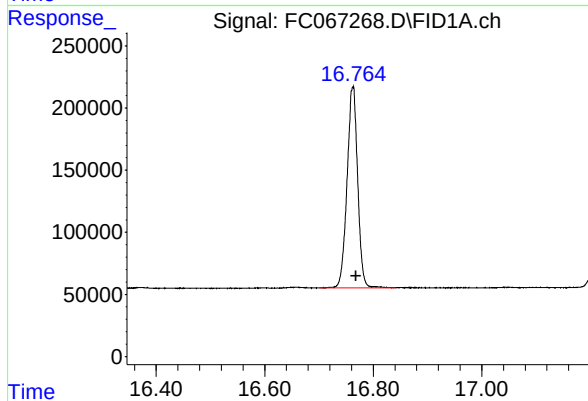
#14 n-Tetracosane (C24)

R.T.: 14.794 min
Delta R.T.: -0.007 min
Response: 2167557
Conc: 19.09 ug/ml



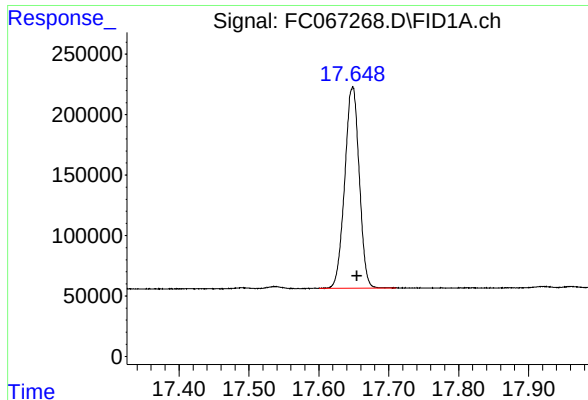
#15 n-Hexacosane (C26)

R.T.: 15.813 min
Delta R.T.: -0.007 min
Response: 2133419
Conc: 19.25 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.762 min
Delta R.T.: -0.006 min
Response: 2200528
Conc: 20.37 ug/ml



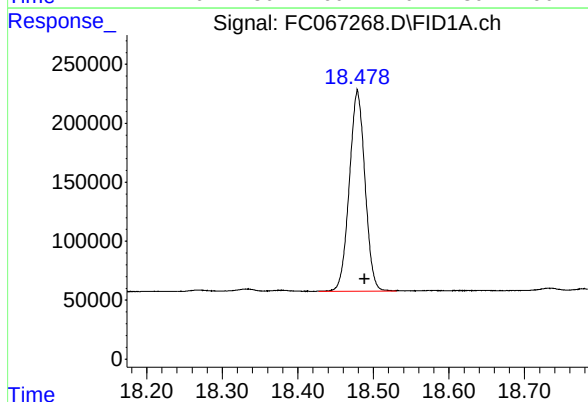
#17 n-Tricontane (C30)

R.T.: 17.648 min
Delta R.T.: -0.006 min
Response: 2400810
Conc: 22.07 ug/ml

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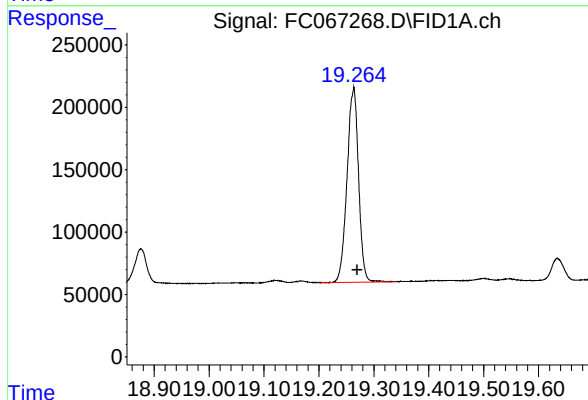
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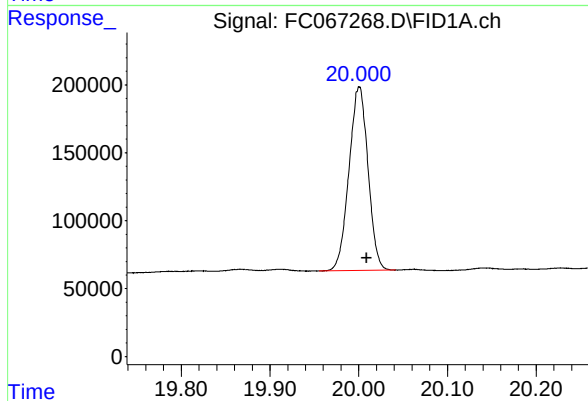
#18 n-Dotriacontane (C32)

R.T.: 18.478 min
Delta R.T.: -0.010 min
Response: 2452961
Conc: 23.52 ug/ml m



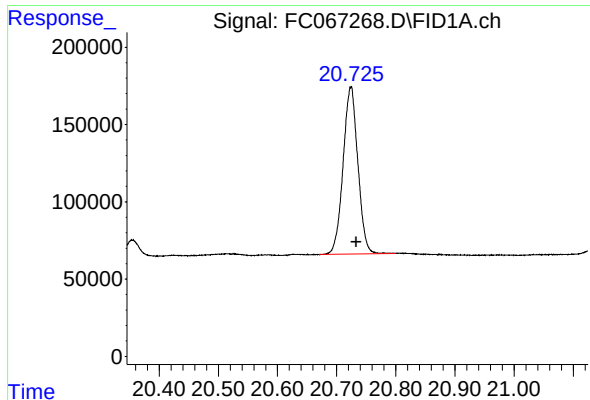
#19 n-Tetratriacontane (C34)

R.T.: 19.263 min
Delta R.T.: -0.007 min
Response: 2266953
Conc: 24.57 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.000 min
Delta R.T.: -0.009 min
Response: 2012346
Conc: 25.39 ug/ml



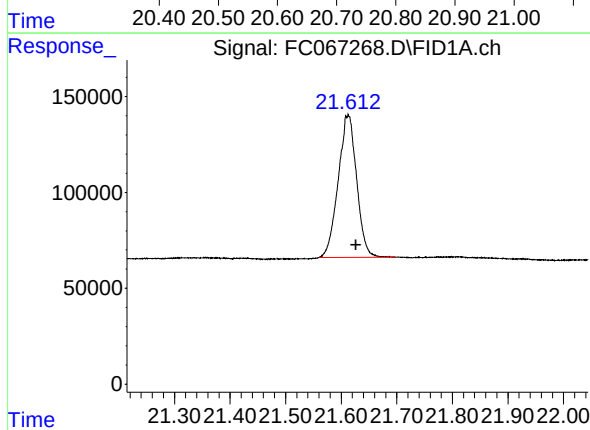
#21 n-Octatriacontane (C38)

R.T.: 20.724 min
Delta R.T.: -0.009 min
Response: 1875083
Conc: 24.96 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.612 min
Delta R.T.: -0.014 min
Response: 1712863
Conc: 24.52 ug/ml