

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F111323AL\
 Data File : FC065122.D
 Signal(s) : FID1A.ch
 Acq On : 13 Nov 2023 13:47
 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 11/14/2023
 Supervised By :Ankita Jodhani 11/14/2023

Integration File: autoint1.e
 Quant Time: Nov 13 23:17:37 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102823.M
 Quant Title : GC Extractables
 QLast Update : Sat Oct 28 02:12:00 2023
 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)	11.508	4435768	20.155 ug/ml
Spiked Amount 50.000		Recovery =	40.31%
12) S 1-chlorooctadecane (S...	12.940	3194074	20.205 ug/ml
Spiked Amount 50.000		Recovery =	40.41%
Target Compounds			
1) T n-Nonane (C9)	3.309	3756451	19.869 ug/ml
2) T n-Decane (C10)	4.368	3831803	20.152 ug/ml
3) T A~Naphthalene (C11.7)	5.949	3850118	19.941 ug/ml
4) T n-Dodecane (C12)	6.379	3862693	19.996 ug/ml
5) T A~2-methylnaphthalene...	7.003	3731392	20.305 ug/ml
6) T n-Tetradecane (C14)	8.166	3778270	20.024 ug/ml
7) T n-Hexadecane (C16)	9.760	3794945	20.077 ug/ml
8) T n-Octadecane (C18)	11.195	3796680	20.117 ug/ml
10) T n-Eicosane (C20)	12.497	3624814	20.162 ug/ml
11) T n-Heneicosane (C21)	13.107	3542375	20.176 ug/ml
13) T n-Docosane (C22)	13.690	3494558	20.344 ug/ml
14) T n-Tetracosane (C24)	14.788	3404735	20.442 ug/ml
15) T n-Hexacosane (C26)	15.804	3297956	20.547 ug/ml
16) T n-Octacosane (C28)	16.750	3265550	20.866 ug/ml
17) T n-Tricontane (C30)	17.633	3394098	21.428 ug/ml
18) T n-Dotriacontane (C32)	18.463	3409846	21.596 ug/ml
19) T n-Tetratriacontane (C34)	19.241	3241607	21.237 ug/ml
20) T n-Hexatriacontane (C36)	19.980	3136238	20.786 ug/mlm
21) T n-Octatriacontane (C38)	20.697	3013368	20.249 ug/ml
22) T n-Tetracontane (C40)	21.575	2922105	19.868 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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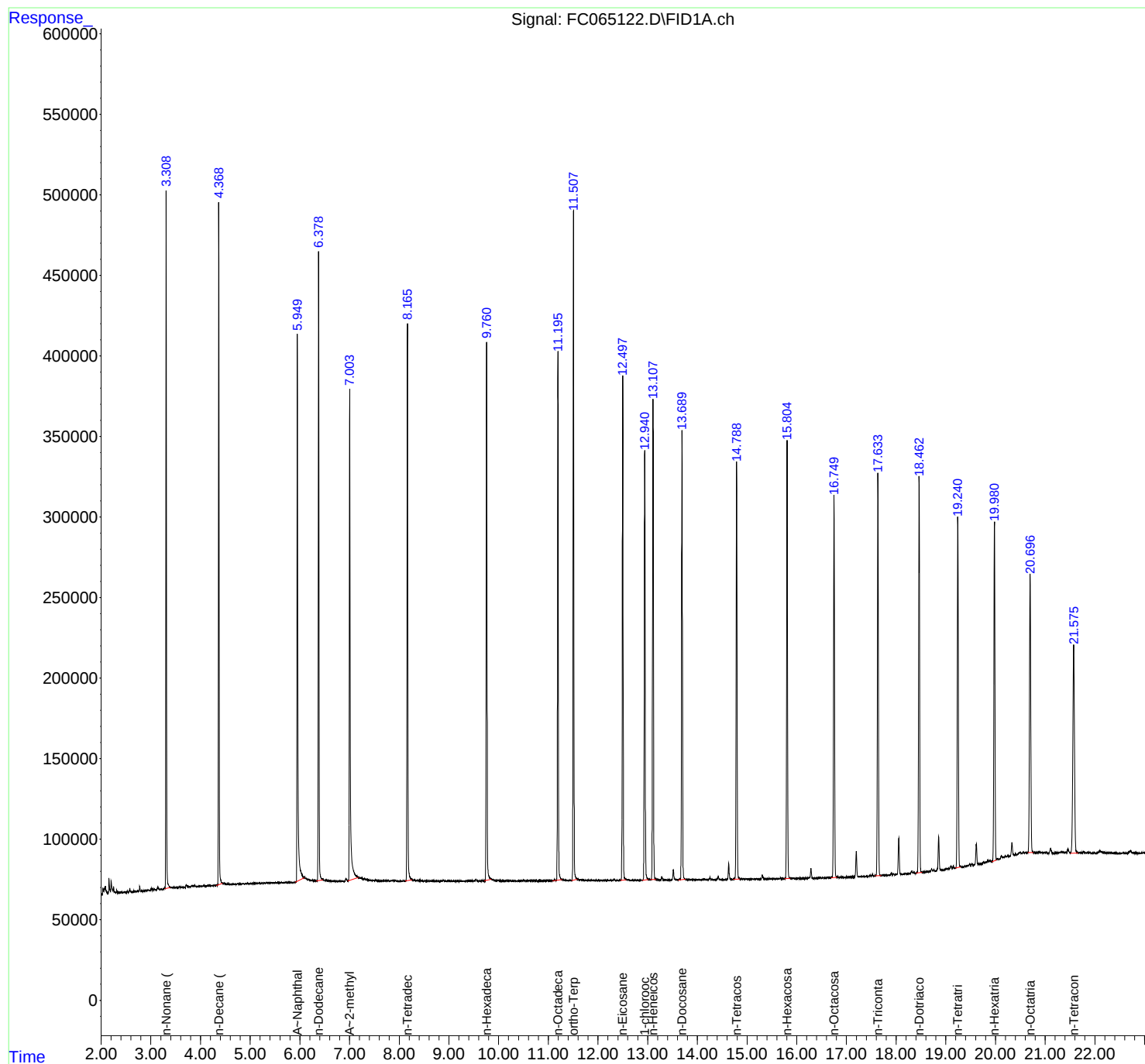
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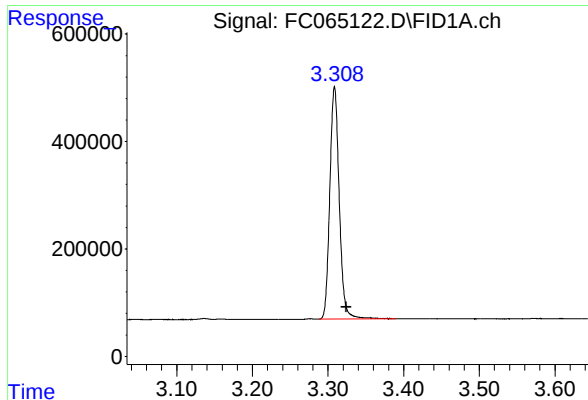
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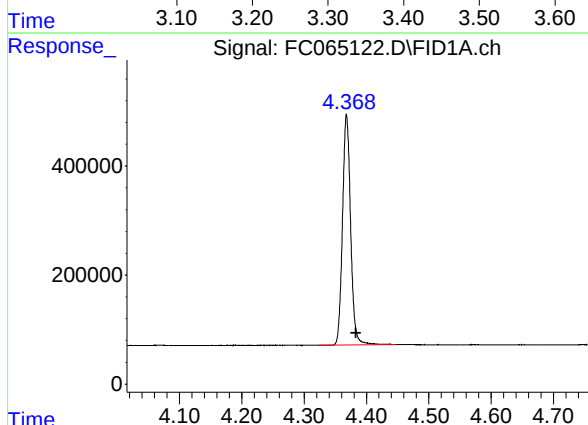
#1 n-Nonane (C9)

R.T.: 3.309 min
Delta R.T.: -0.015 min
Response: 3756451
Conc: 19.87 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

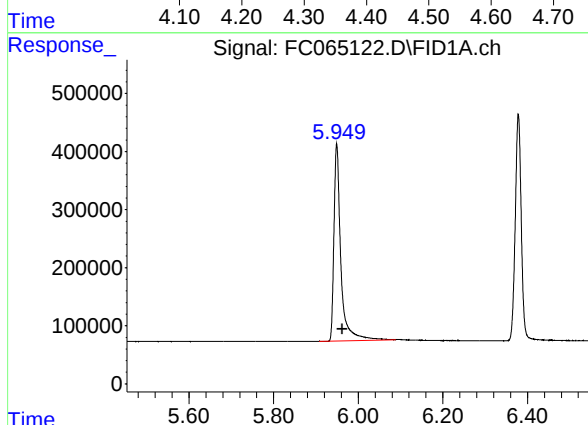
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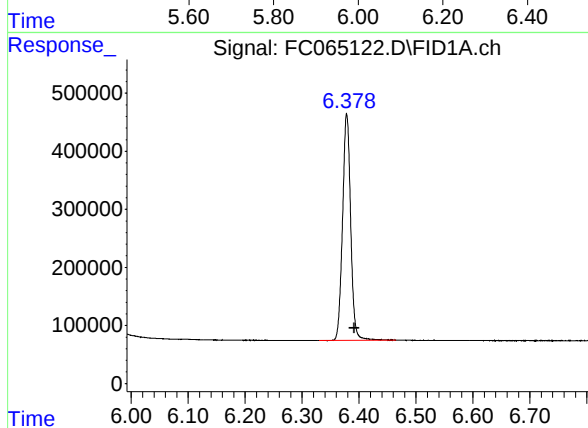
#2 n-Decane (C10)

R.T.: 4.368 min
Delta R.T.: -0.015 min
Response: 3831803
Conc: 20.15 ug/ml



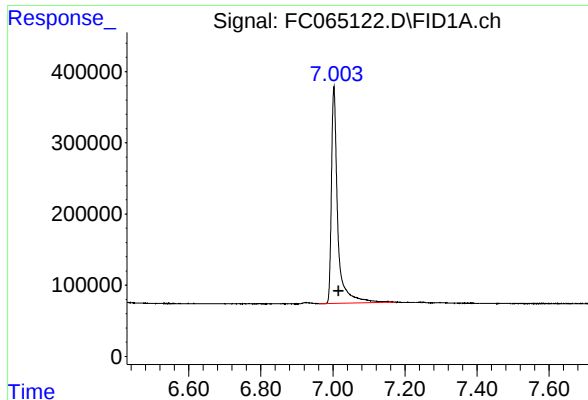
#3 A~Naphthalene (C11.7)

R.T.: 5.949 min
Delta R.T.: -0.013 min
Response: 3850118
Conc: 19.94 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.379 min
Delta R.T.: -0.013 min
Response: 3862693
Conc: 20.00 ug/ml



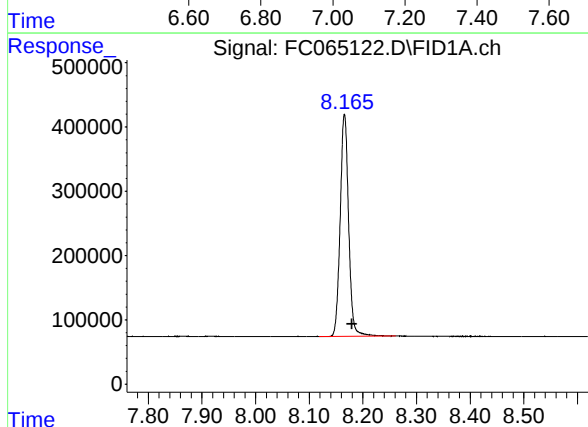
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.003 min
Delta R.T.: -0.013 min
Response: 3731392
Conc: 20.31 ug/ml

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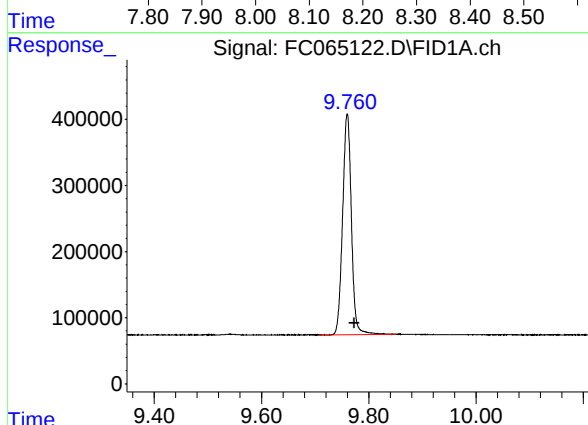
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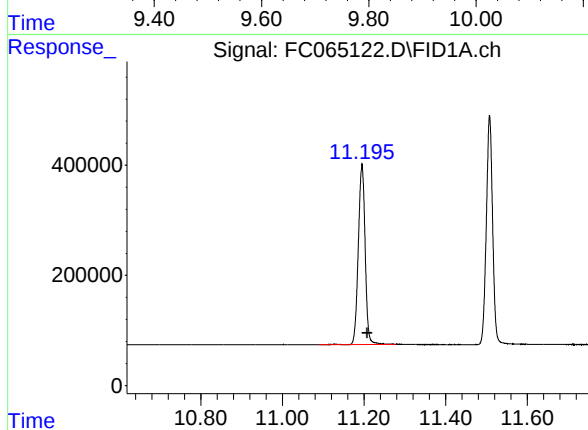
#6 n-Tetradecane (C14)

R.T.: 8.166 min
Delta R.T.: -0.014 min
Response: 3778270
Conc: 20.02 ug/ml



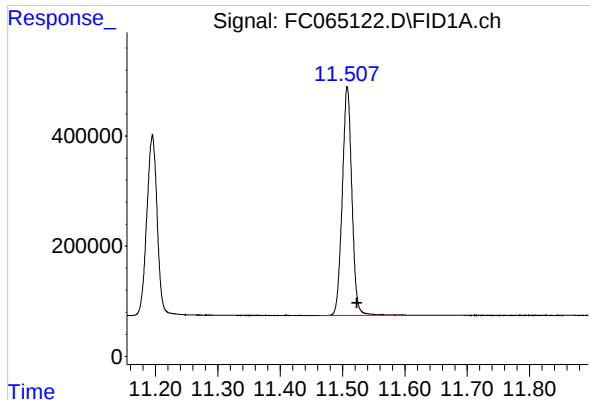
#7 n-Hexadecane (C16)

R.T.: 9.760 min
Delta R.T.: -0.013 min
Response: 3794945
Conc: 20.08 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.195 min
Delta R.T.: -0.013 min
Response: 3796680
Conc: 20.12 ug/ml



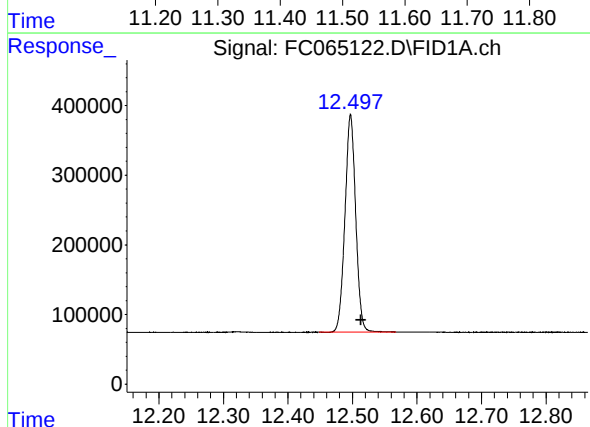
#9 ortho-Terphenyl (SURR)

R.T.: 11.508 min
Delta R.T.: -0.015 min
Response: 4435768
Conc: 20.15 ug/ml

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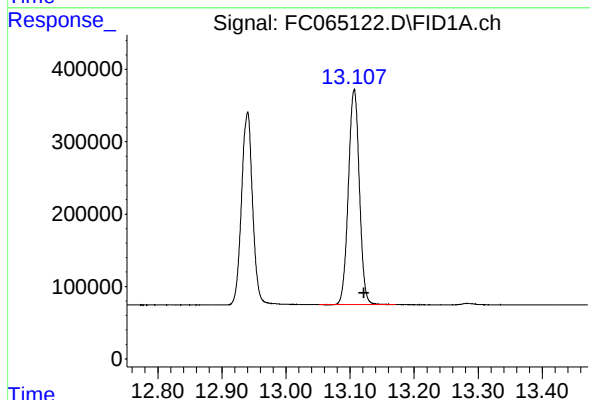
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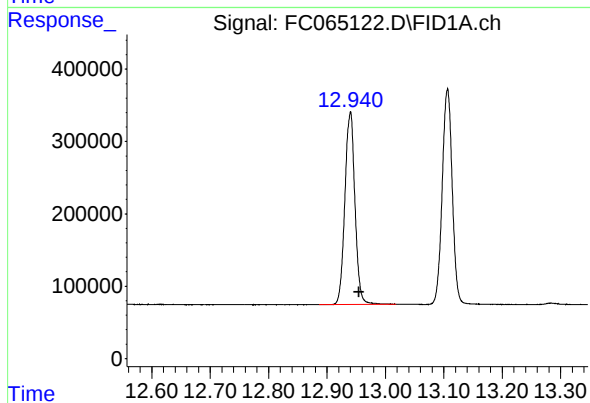
#10 n-Eicosane (C20)

R.T.: 12.497 min
Delta R.T.: -0.016 min
Response: 3624814
Conc: 20.16 ug/ml



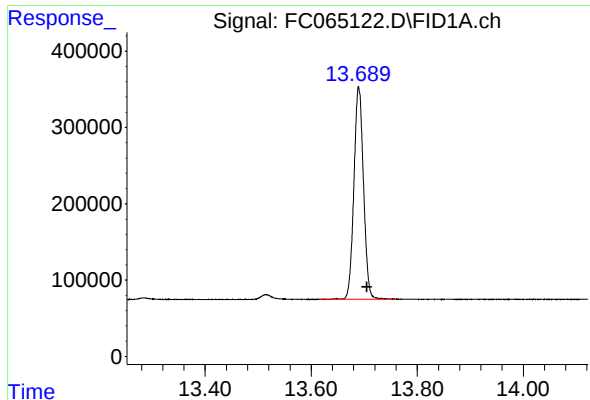
#11 n-Heneicosane (C21)

R.T.: 13.107 min
Delta R.T.: -0.015 min
Response: 3542375
Conc: 20.18 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.940 min
Delta R.T.: -0.015 min
Response: 3194074
Conc: 20.20 ug/ml



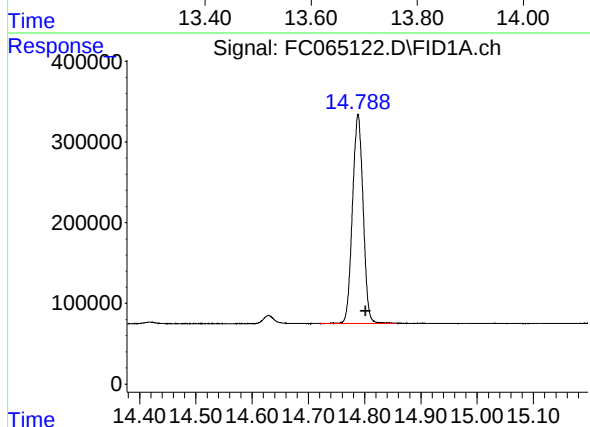
#13 n-Docosane (C22)

R.T.: 13.690 min
Delta R.T.: -0.016 min
Response: 3494558
Conc: 20.34 ug/ml

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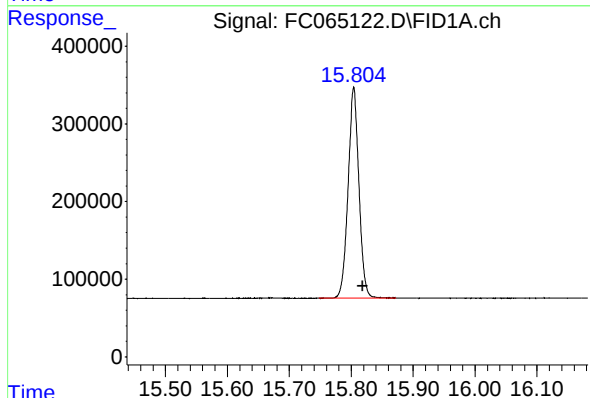
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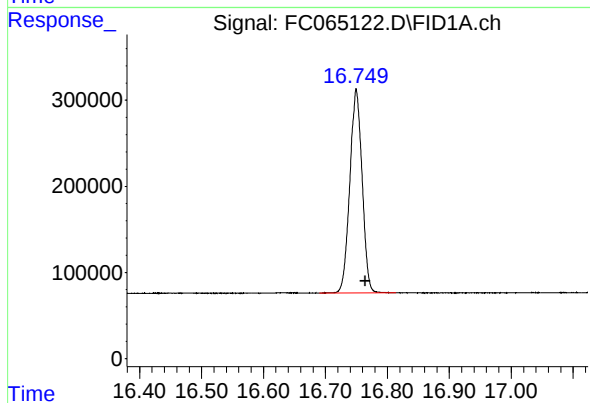
#14 n-Tetracosane (C24)

R.T.: 14.788 min
Delta R.T.: -0.014 min
Response: 3404735
Conc: 20.44 ug/ml



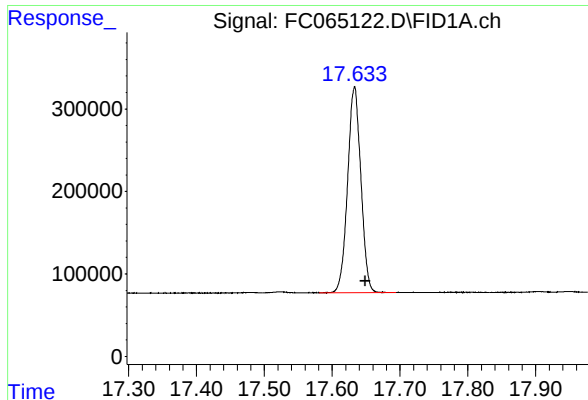
#15 n-Hexacosane (C26)

R.T.: 15.804 min
Delta R.T.: -0.014 min
Response: 3297956
Conc: 20.55 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.750 min
Delta R.T.: -0.015 min
Response: 3265550
Conc: 20.87 ug/ml



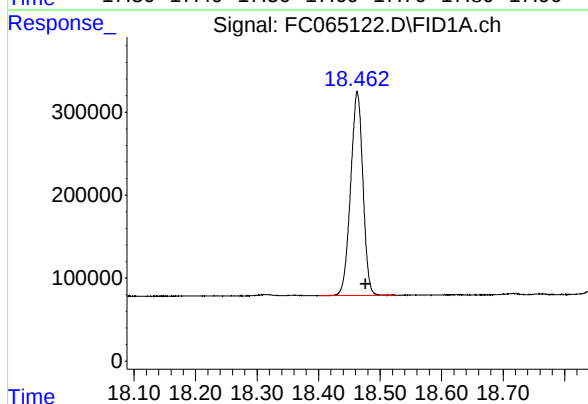
#17 n-Tricontane (C30)

R.T.: 17.633 min
Delta R.T.: -0.016 min
Response: 3394098
Conc: 21.43 ug/ml

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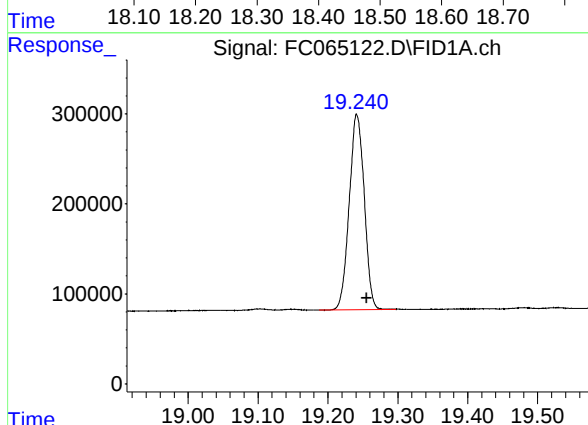
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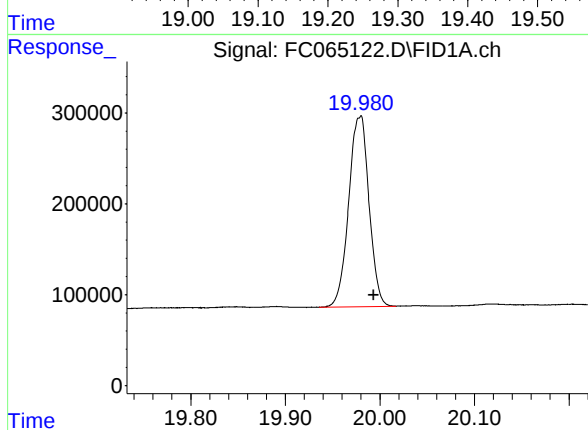
#18 n-Dotriacontane (C32)

R.T.: 18.463 min
Delta R.T.: -0.014 min
Response: 3409846
Conc: 21.60 ug/ml



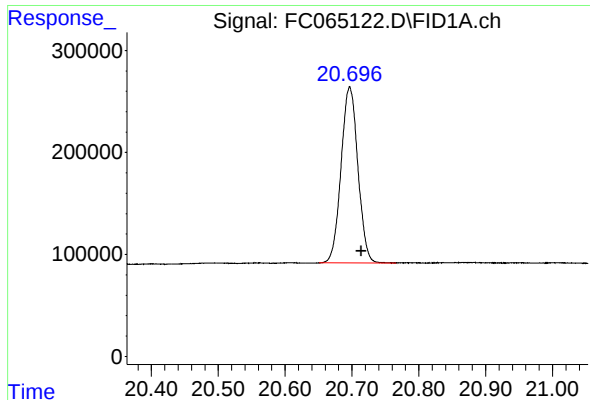
#19 n-Tetatriacontane (C34)

R.T.: 19.241 min
Delta R.T.: -0.014 min
Response: 3241607
Conc: 21.24 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.980 min
Delta R.T.: -0.014 min
Response: 3136238
Conc: 20.79 ug/ml m



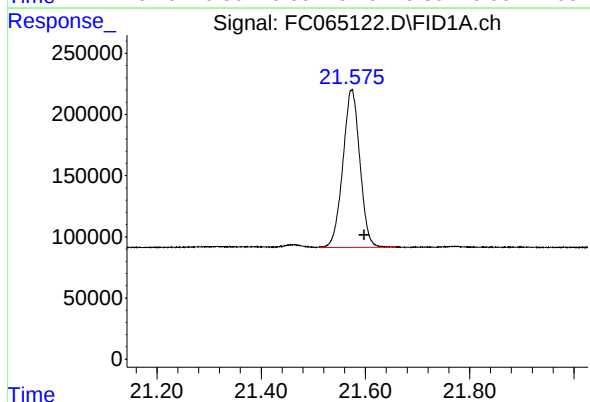
#21 n-Octatriacontane (C38)

R.T.: 20.697 min
Delta R.T.: -0.018 min
Response: 3013368
Conc: 20.25 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.575 min
Delta R.T.: -0.023 min
Response: 2922105
Conc: 19.87 ug/ml m