

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040120AL\
 Data File : FC046579.D
 Signal(s) : FID1A.CH
 Acq On : 01 Apr 2020 23:53
 Operator : DD\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

Sohil
 4/3/2020 9:11:24 AM

Integration File: autoint1.e
 Quant Time: Apr 02 02:15:24 2020
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Alaphatic EPH 032320.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 24 12:45:07 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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)	11.764	2090983	19.128 ug/ml
Spiked Amount 50.000		Recovery =	38.26%
12) S 1-chlorooctadecane (S...	13.182	1626658	18.876 ug/ml
Spiked Amount 50.000		Recovery =	37.75%
Target Compounds			
1) T n-Nonane (C9)	3.543	1962751	20.438 ug/ml
2) T n-Decane (C10)	4.612	1976946	20.583 ug/ml
3) T A~Naphthalene (C11.7)	6.214	2089863	20.858 ug/ml
4) T n-Dodecane (C12)	6.621	2006011	20.552 ug/ml
5) T A~2-methylnaphthalene...	7.265	2108215	20.852 ug/ml
6) T n-Tetradecane (C14)	8.405	1993377	20.244 ug/ml
7) T n-Hexadecane (C16)	9.997	1989516	19.928 ug/ml
8) T n-Octadecane (C18)	11.432	1980048	19.508 ug/ml
10) T n-Eicosane (C20)	12.736	1951745	19.092 ug/ml
11) T n-Heneicosane (C21)	13.345	1943214	18.847 ug/ml
13) T n-Docosane (C22)	13.929	1914661	18.652 ug/ml
14) T n-Tetracosane (C24)	15.026	1877534	18.189 ug/ml
15) T n-Hexacosane (C26)	16.043	1822378	17.762 ug/ml
16) T n-Octacosane (C28)	16.989	1765921	17.351 ug/ml
17) T n-Tricontane (C30)	17.875	1695362	17.304 ug/ml
18) T n-Dotriacontane (C32)	18.701	1427576	17.027 ug/ml
19) T n-Tetratriacontane (C34)	19.482	1359281	18.972 ug/mlm
20) T n-Hexatriacontane (C36)	20.218	1335415	19.063 ug/mlm
21) T n-Octatriacontane (C38)	20.983	1243426	19.705 ug/ml
22) T n-Tetracontane (C40)	21.947	1284969	18.569 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Sample : 20 PPM ALIPHATIC HC STD
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ALS Vial : 2 Sample Multiplier: 1

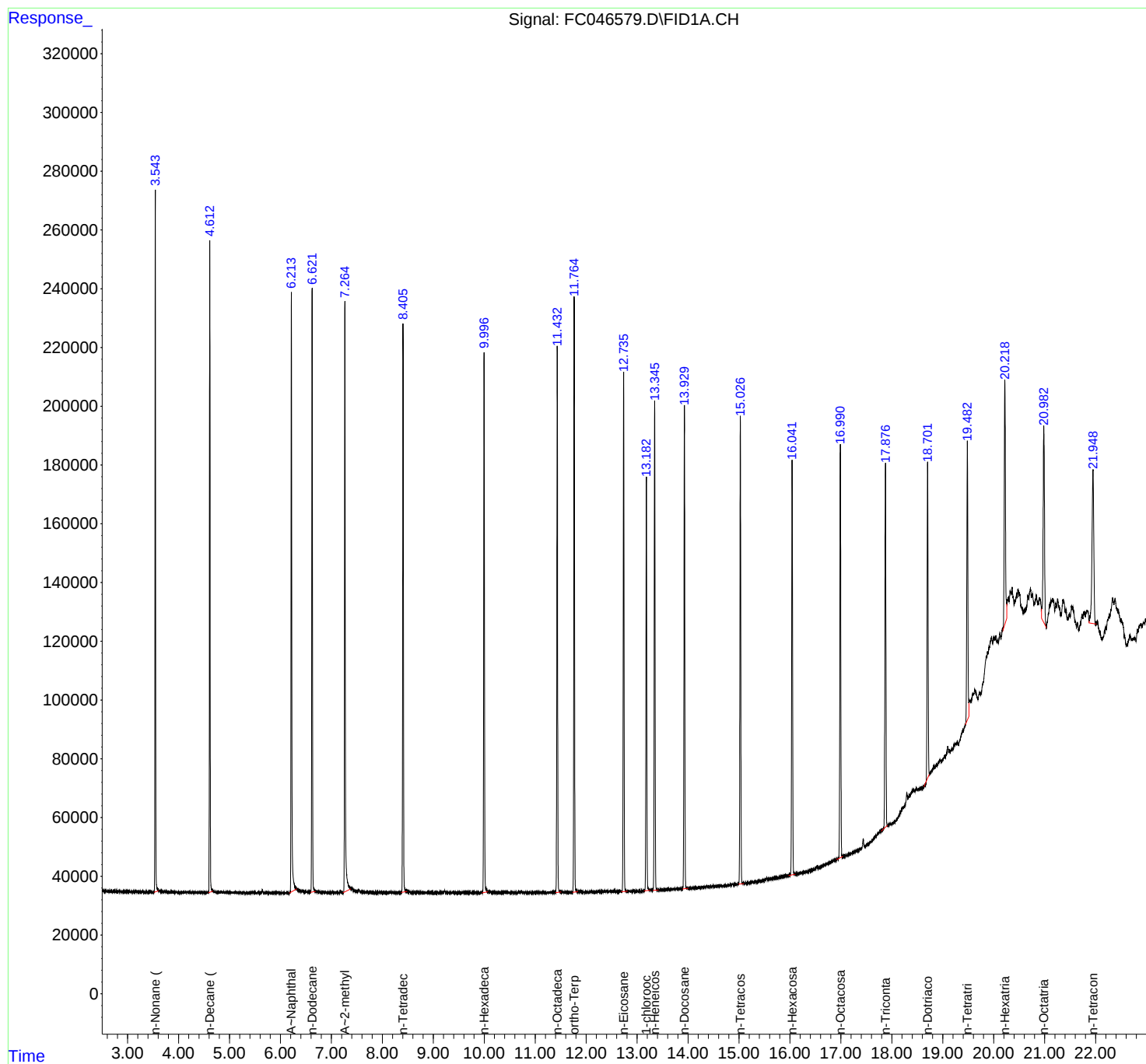
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

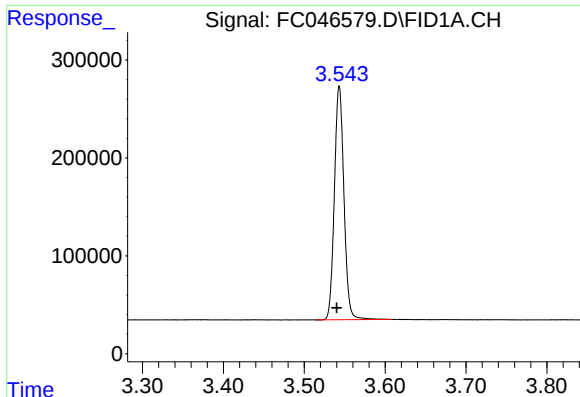
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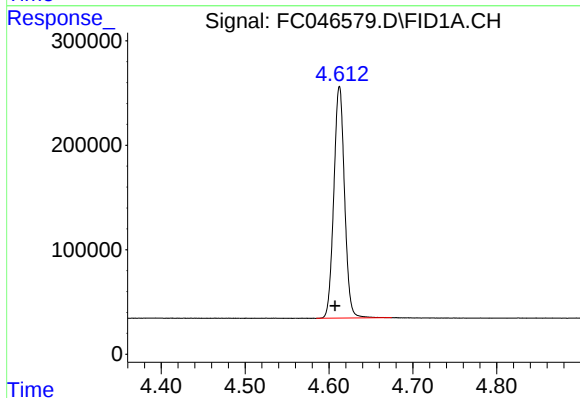
#1 n-Nonane (C9)

R.T.: 3.543 min
Delta R.T.: 0.003 min
Response: 1962751
Conc: 20.44 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

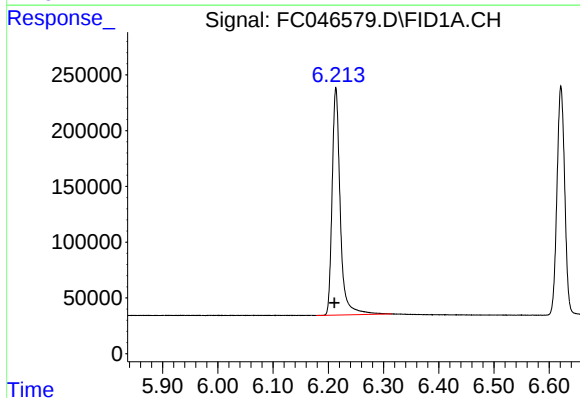
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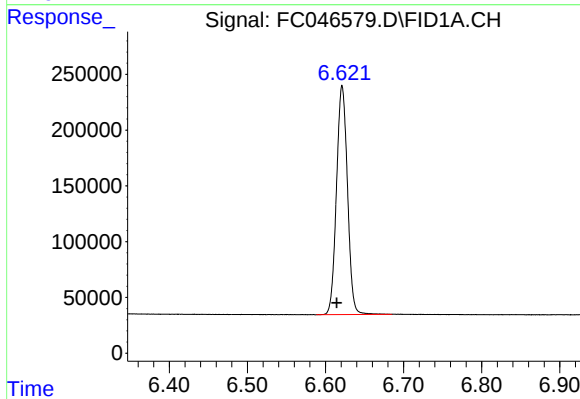
#2 n-Decane (C10)

R.T.: 4.612 min
Delta R.T.: 0.005 min
Response: 1976946
Conc: 20.58 ug/ml



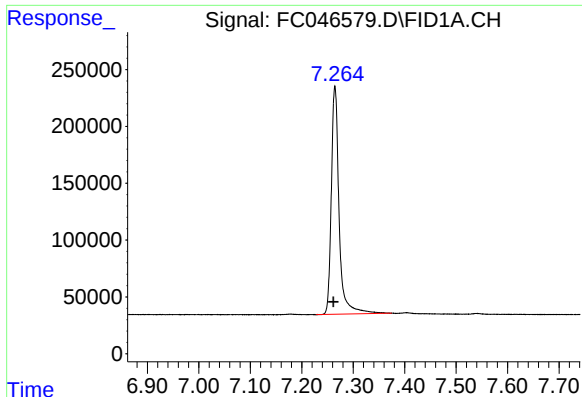
#3 A~Naphthalene (C11.7)

R.T.: 6.214 min
Delta R.T.: 0.003 min
Response: 2089863
Conc: 20.86 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.621 min
Delta R.T.: 0.007 min
Response: 2006011
Conc: 20.55 ug/ml



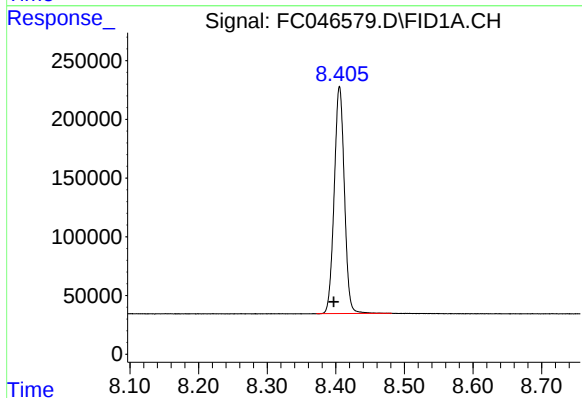
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.265 min
Delta R.T.: 0.003 min
Response: 2108215
Conc: 20.85 ug/ml

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20 PPM ALIPHATIC HC STD

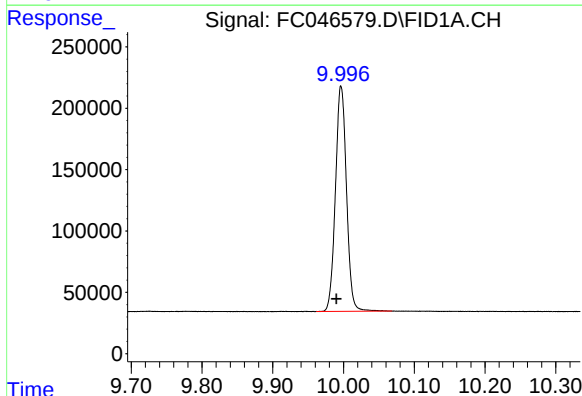
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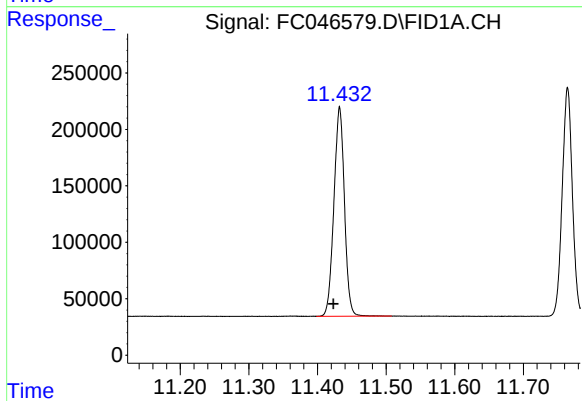
#6 n-Tetradecane (C14)

R.T.: 8.405 min
Delta R.T.: 0.008 min
Response: 1993377
Conc: 20.24 ug/ml



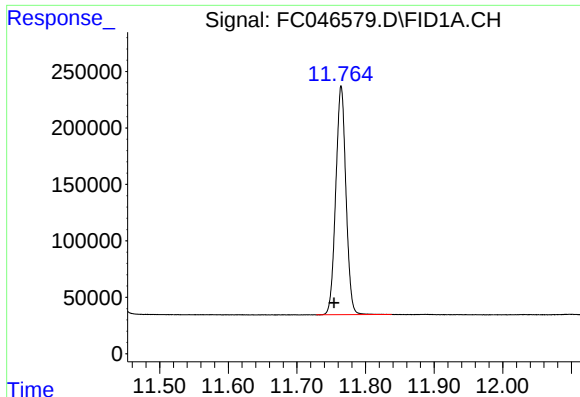
#7 n-Hexadecane (C16)

R.T.: 9.997 min
Delta R.T.: 0.007 min
Response: 1989516
Conc: 19.93 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.432 min
Delta R.T.: 0.009 min
Response: 1980048
Conc: 19.51 ug/ml



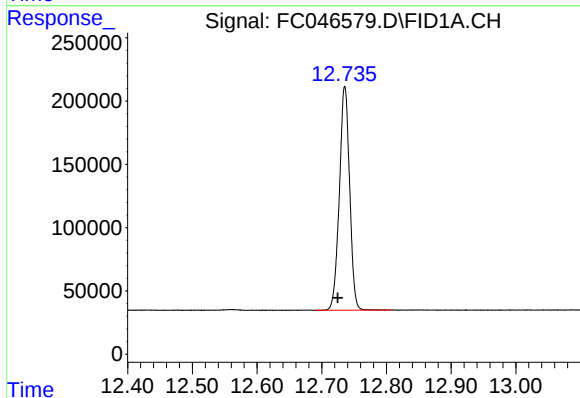
#9 ortho-Terphenyl (SURR)

R.T.: 11.764 min
Delta R.T.: 0.010 min
Response: 2090983
Conc: 19.13 ug/ml

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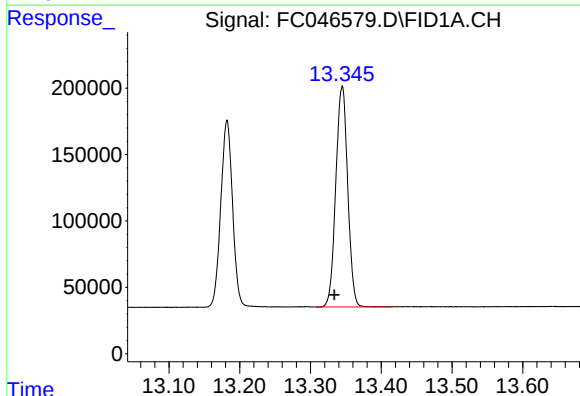
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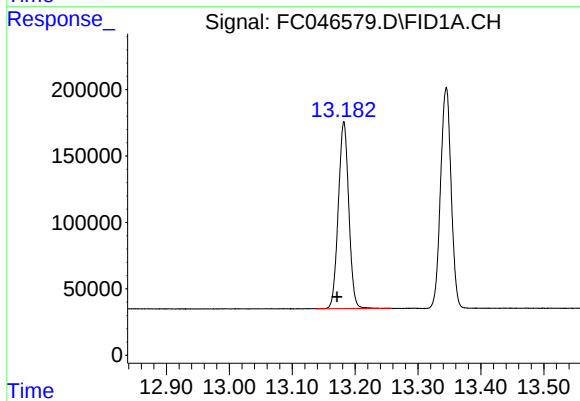
#10 n-Eicosane (C20)

R.T.: 12.736 min
Delta R.T.: 0.011 min
Response: 1951745
Conc: 19.09 ug/ml



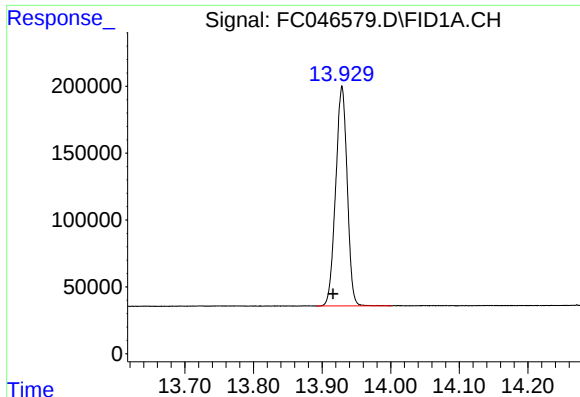
#11 n-Heneicosane (C21)

R.T.: 13.345 min
Delta R.T.: 0.011 min
Response: 1943214
Conc: 18.85 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.182 min
Delta R.T.: 0.011 min
Response: 1626658
Conc: 18.88 ug/ml



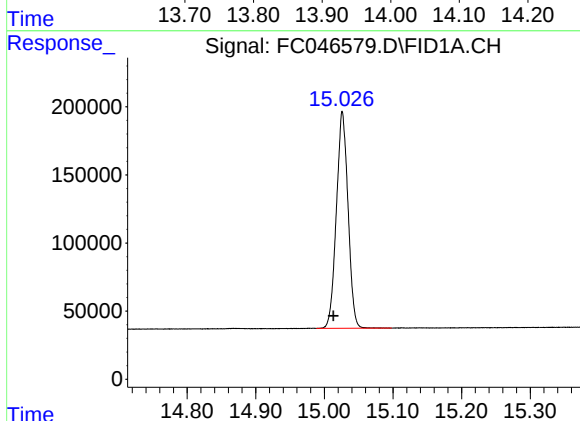
#13 n-Docosane (C22)

R.T.: 13.929 min
Delta R.T.: 0.013 min
Response: 1914661
Conc: 18.65 ug/ml

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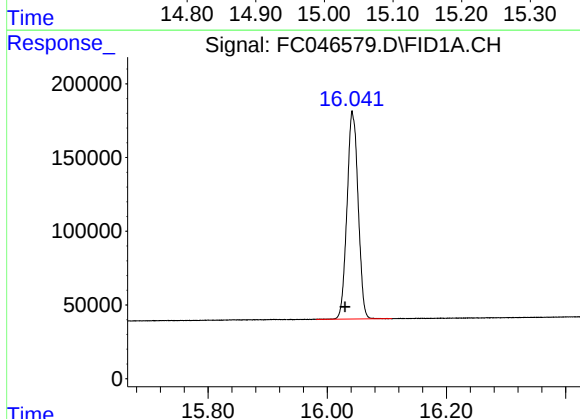
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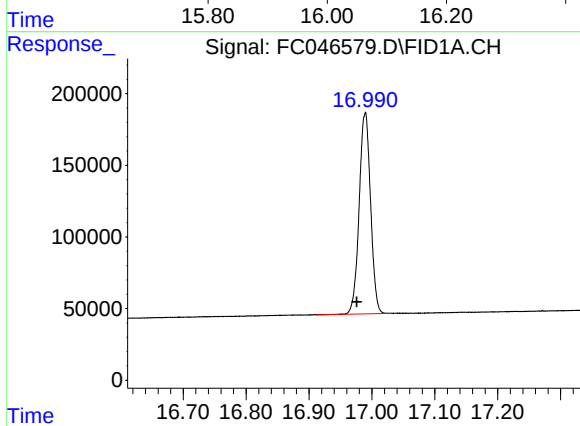
#14 n-Tetracosane (C24)

R.T.: 15.026 min
Delta R.T.: 0.013 min
Response: 1877534
Conc: 18.19 ug/ml



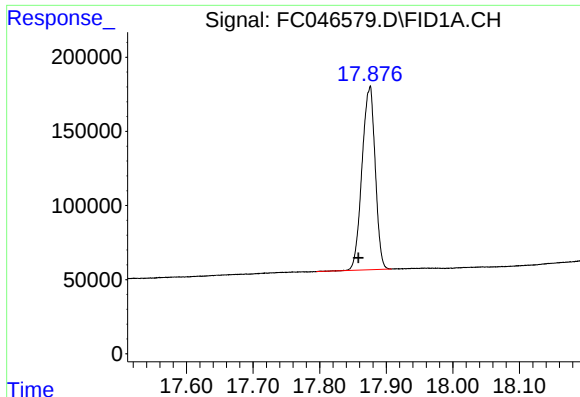
#15 n-Hexacosane (C26)

R.T.: 16.043 min
Delta R.T.: 0.013 min
Response: 1822378
Conc: 17.76 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.989 min
Delta R.T.: 0.014 min
Response: 1765921
Conc: 17.35 ug/ml



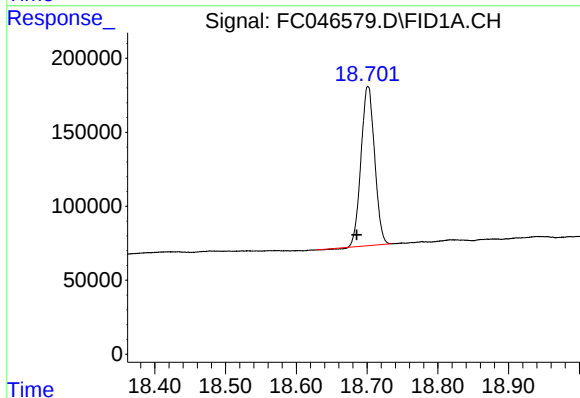
#17 n-Tricontane (C30)

R.T.: 17.875 min
Delta R.T.: 0.017 min
Response: 1695362
Conc: 17.30 ug/ml

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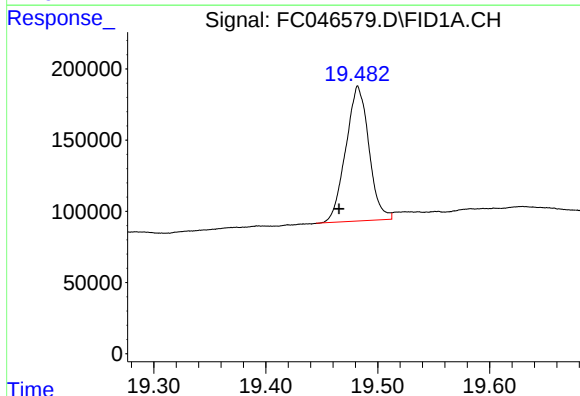
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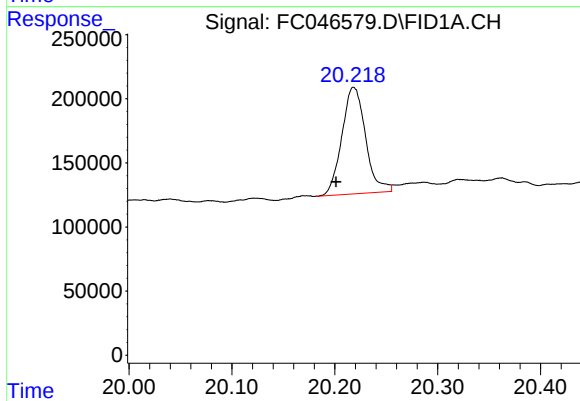
#18 n-Dotriacontane (C32)

R.T.: 18.701 min
Delta R.T.: 0.016 min
Response: 1427576
Conc: 17.03 ug/ml



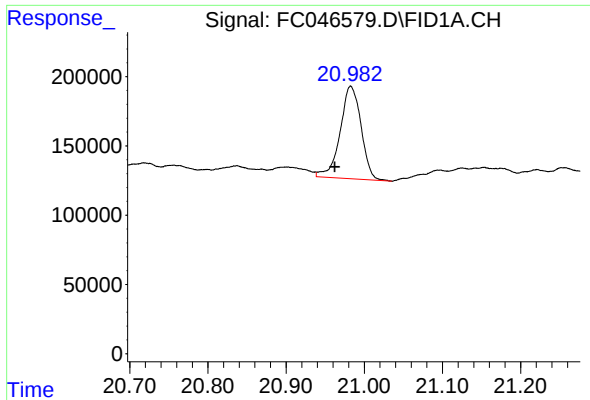
#19 n-Tetratriacontane (C34)

R.T.: 19.482 min
Delta R.T.: 0.016 min
Response: 1359281
Conc: 18.97 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.218 min
Delta R.T.: 0.017 min
Response: 1335415
Conc: 19.06 ug/ml m



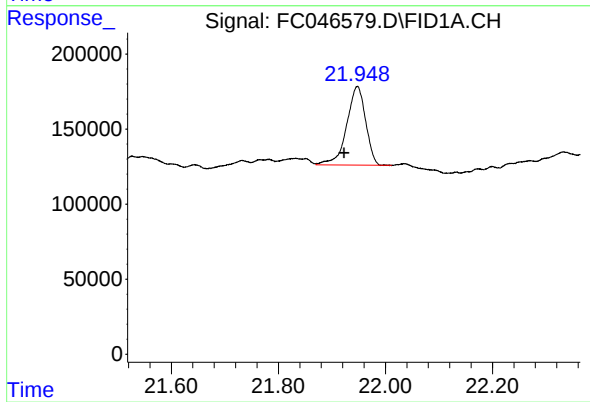
#21 n-Octatriacontane (C38)

R.T.: 20.983 min
Delta R.T.: 0.020 min
Response: 1243426
Conc: 19.70 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.947 min
Delta R.T.: 0.025 min
Response: 1284969
Conc: 18.57 ug/ml