

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052325AL\
 Data File : FC068994.D
 Signal(s) : FID1A.ch
 Acq On : 23 May 2025 12:20
 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

Integration File: autoint1.e
 Quant Time: May 24 02:43:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
 Quant Title : GC Extractables
 QLast Update : Wed May 07 08:52:03 2025
 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)	11.707	2128010	18.644 ug/ml
Spiked Amount 50.000		Recovery =	37.29%
12) S 1-chlorooctadecane (S...	13.139	1537424	19.164 ug/ml
Spiked Amount 50.000		Recovery =	38.33%
Target Compounds			
1) T n-Nonane (C9)	3.440	1791630	17.813 ug/ml
2) T n-Decane (C10)	4.516	1800199	18.067 ug/ml
3) T A~Naphthalene (C11.7)	6.112	1965330	17.824 ug/ml
4) T n-Dodecane (C12)	6.540	1786878	18.388 ug/ml
5) T A~2-methylnaphthalene...	7.170	1934631	18.025 ug/ml
6) T n-Tetradecane (C14)	8.338	1743404	18.863 ug/ml
7) T n-Hexadecane (C16)	9.940	1728861	19.307 ug/ml
8) T n-Octadecane (C18)	11.383	1713442	19.534 ug/ml
10) T n-Eicosane (C20)	12.693	1673619	19.639 ug/ml
11) T n-Heneicosane (C21)	13.306	1658555	19.664 ug/ml
13) T n-Docosane (C22)	13.892	1654945	19.782 ug/ml
14) T n-Tetracosane (C24)	14.996	1643622	19.753 ug/ml
15) T n-Hexacosane (C26)	16.018	1631110	19.687 ug/ml
16) T n-Octacosane (C28)	16.968	1651590	19.984 ug/ml
17) T n-Tricontane (C30)	17.858	1751755	20.703 ug/ml
18) T n-Dotriacontane (C32)	18.692	1804462	20.949 ug/ml
19) T n-Tetratriacontane (C34)	19.476	1719339	20.180 ug/ml
20) T n-Hexatriacontane (C36)	20.217	1651734	19.218 ug/ml
21) T n-Octatriacontane (C38)	20.988	1550241	18.481 ug/ml
22) T n-Tetracontane (C40)	21.965	1454363	17.746 ug/ml

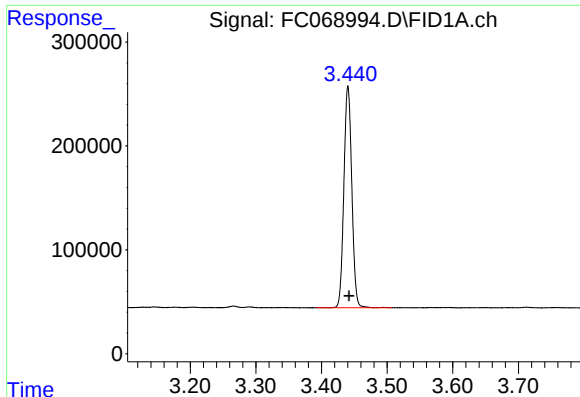
(f)=RT Delta > 1/2 Window

(m)=manual int.

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20 PPM ALIPHATIC HC STD

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

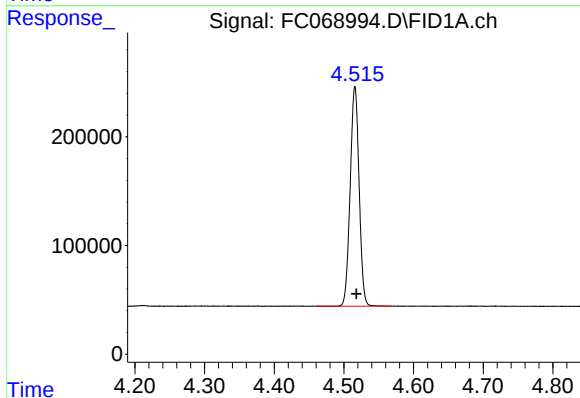




#1 n-Nonane (C9)

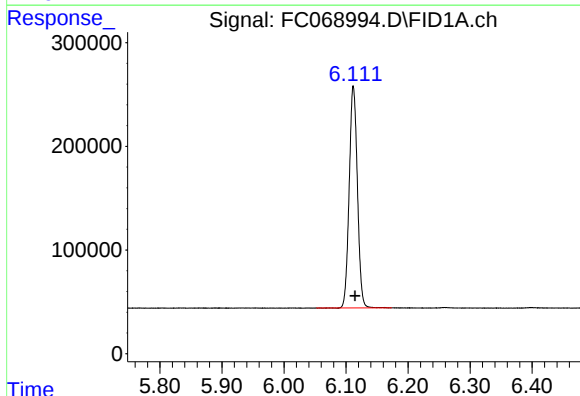
R.T.: 3.440 min
Delta R.T.: -0.002 min
Response: 1791630
Conc: 17.81 ug/ml

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20 PPM ALIPHATIC HC STD



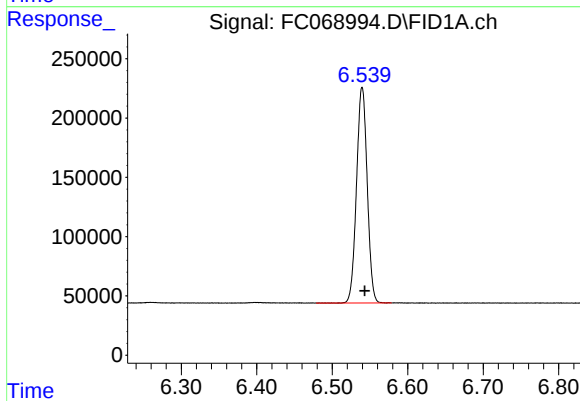
#2 n-Decane (C10)

R.T.: 4.516 min
Delta R.T.: -0.002 min
Response: 1800199
Conc: 18.07 ug/ml



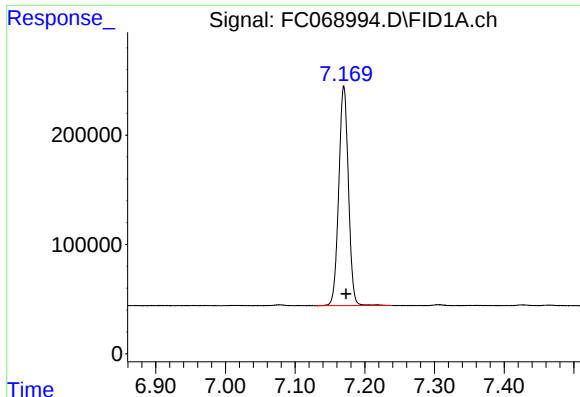
#3 A~Naphthalene (C11.7)

R.T.: 6.112 min
Delta R.T.: -0.003 min
Response: 1965330
Conc: 17.82 ug/ml



#4 n-Dodecane (C12)

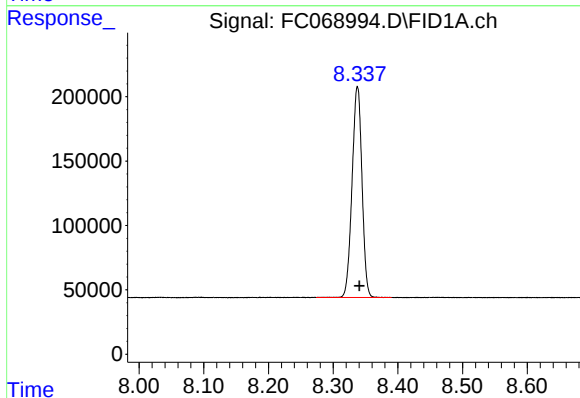
R.T.: 6.540 min
Delta R.T.: -0.003 min
Response: 1786878
Conc: 18.39 ug/ml



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

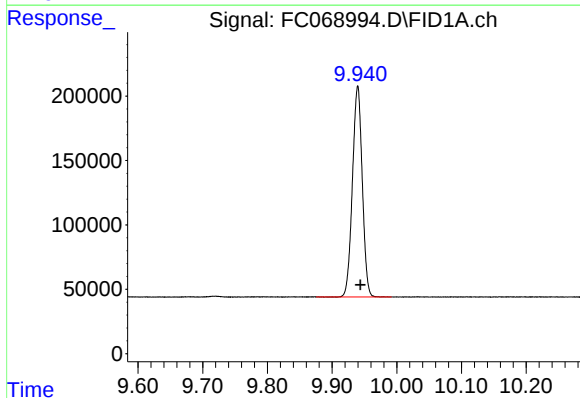
R.T.: 7.170 min
Delta R.T.: -0.003 min
Response: 1934631
Conc: 18.02 ug/ml

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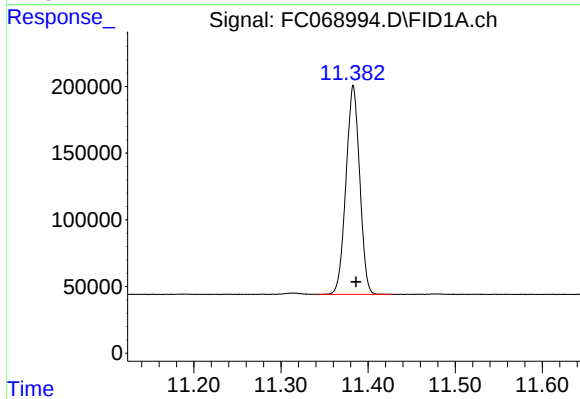
#6 n-Tetradecane (C14)

R.T.: 8.338 min
Delta R.T.: -0.003 min
Response: 1743404
Conc: 18.86 ug/ml



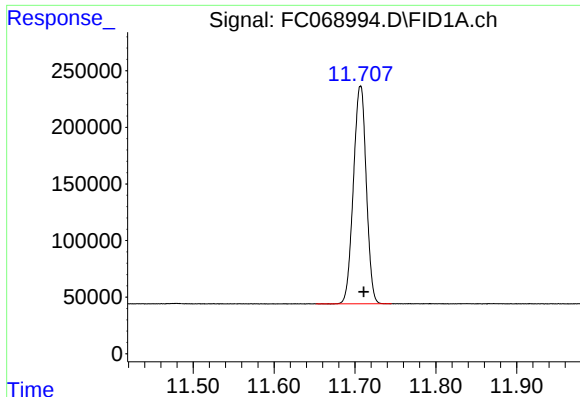
#7 n-Hexadecane (C16)

R.T.: 9.940 min
Delta R.T.: -0.004 min
Response: 1728861
Conc: 19.31 ug/ml



#8 n-Octadecane (C18)

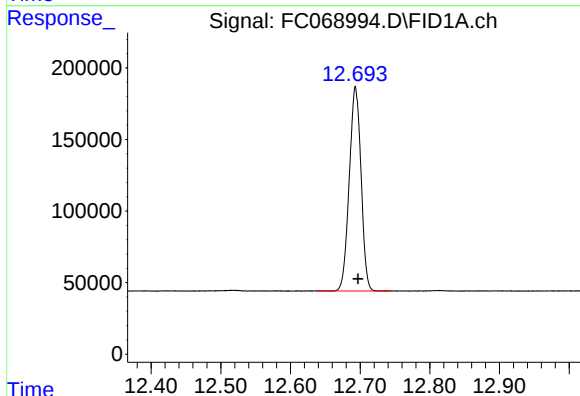
R.T.: 11.383 min
Delta R.T.: -0.003 min
Response: 1713442
Conc: 19.53 ug/ml



#9 ortho-Terphenyl (SURR)

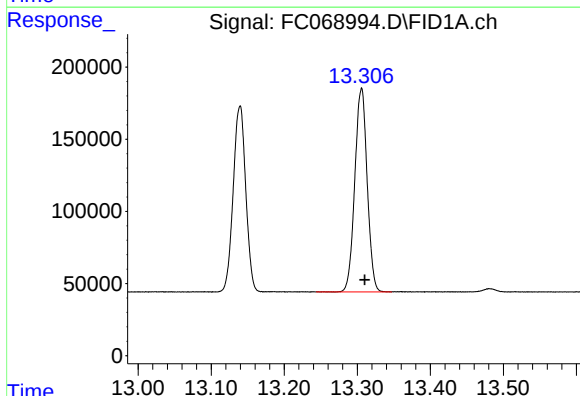
R.T.: 11.707 min
Delta R.T.: -0.004 min
Response: 2128010
Conc: 18.64 ug/ml

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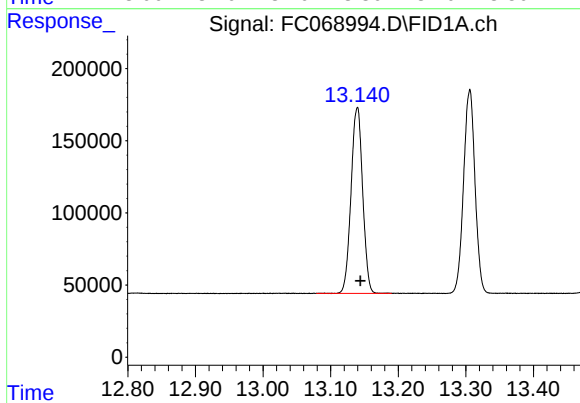
#10 n-Eicosane (C20)

R.T.: 12.693 min
Delta R.T.: -0.004 min
Response: 1673619
Conc: 19.64 ug/ml



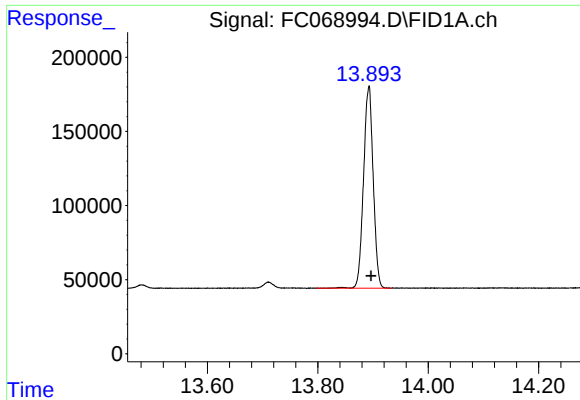
#11 n-Heneicosane (C21)

R.T.: 13.306 min
Delta R.T.: -0.005 min
Response: 1658555
Conc: 19.66 ug/ml



#12 1-chlorooctadecane (SURR)

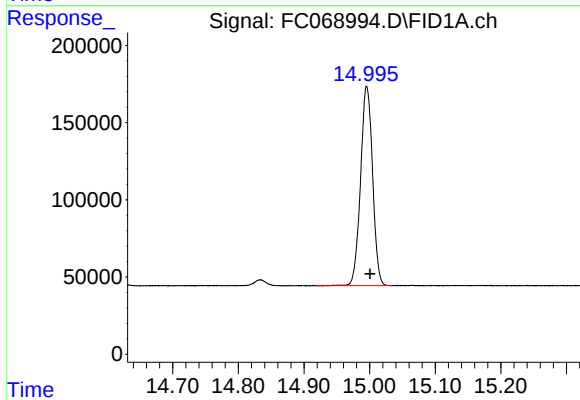
R.T.: 13.139 min
Delta R.T.: -0.005 min
Response: 1537424
Conc: 19.16 ug/ml



#13 n-Docosane (C22)

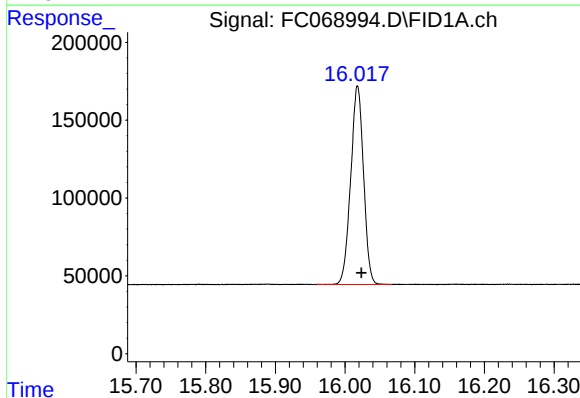
R.T.: 13.892 min
Delta R.T.: -0.005 min
Response: 1654945
Conc: 19.78 ug/ml

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20 PPM ALIPHATIC HC STD



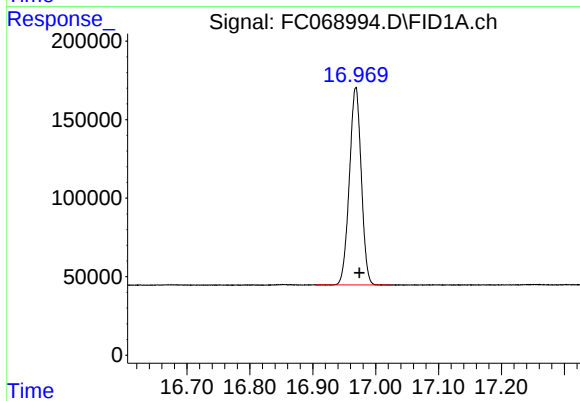
#14 n-Tetracosane (C24)

R.T.: 14.996 min
Delta R.T.: -0.005 min
Response: 1643622
Conc: 19.75 ug/ml



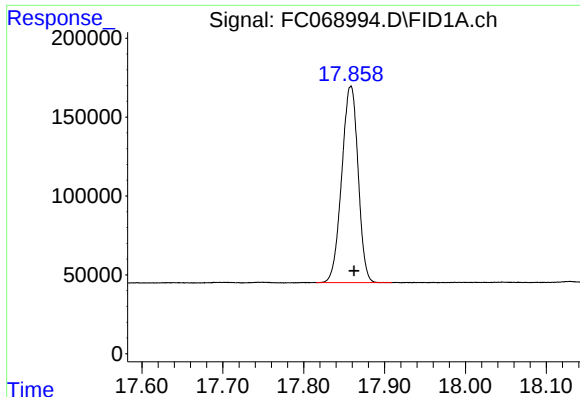
#15 n-Hexacosane (C26)

R.T.: 16.018 min
Delta R.T.: -0.005 min
Response: 1631110
Conc: 19.69 ug/ml



#16 n-Octacosane (C28)

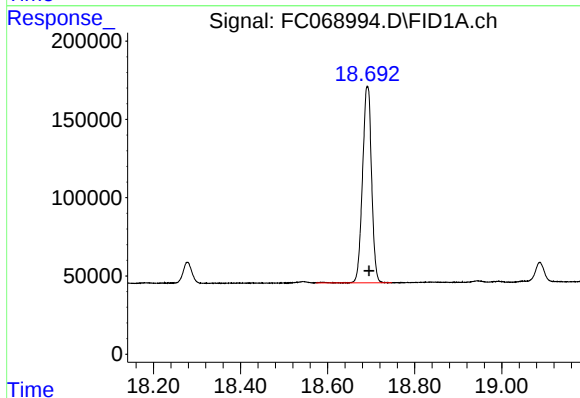
R.T.: 16.968 min
Delta R.T.: -0.006 min
Response: 1651590
Conc: 19.98 ug/ml



#17 n-Tricontane (C30)

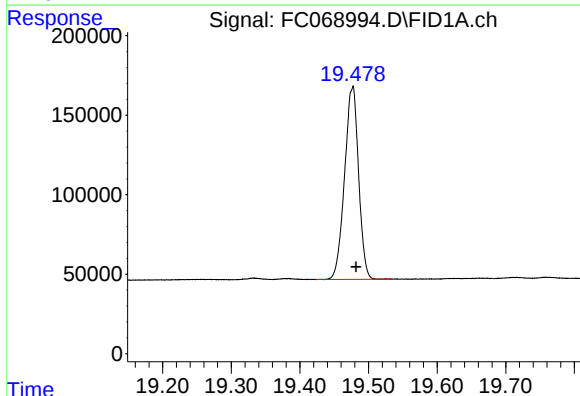
R.T.: 17.858 min
Delta R.T.: -0.004 min
Response: 1751755
Conc: 20.70 ug/ml

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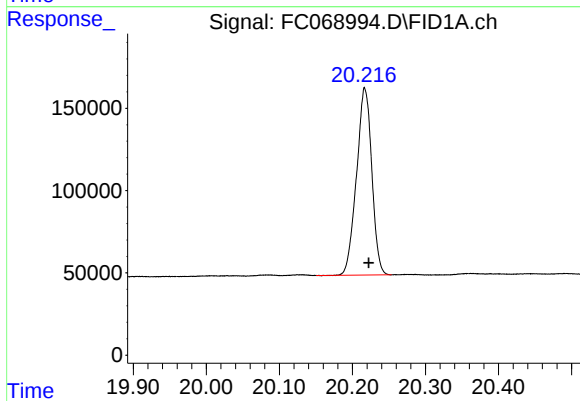
#18 n-Dotriacontane (C32)

R.T.: 18.692 min
Delta R.T.: -0.004 min
Response: 1804462
Conc: 20.95 ug/ml



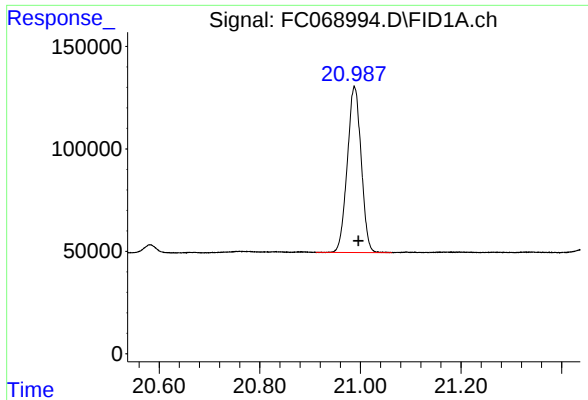
#19 n-Tetratriacontane (C34)

R.T.: 19.476 min
Delta R.T.: -0.005 min
Response: 1719339
Conc: 20.18 ug/ml



#20 n-Hexatriacontane (C36)

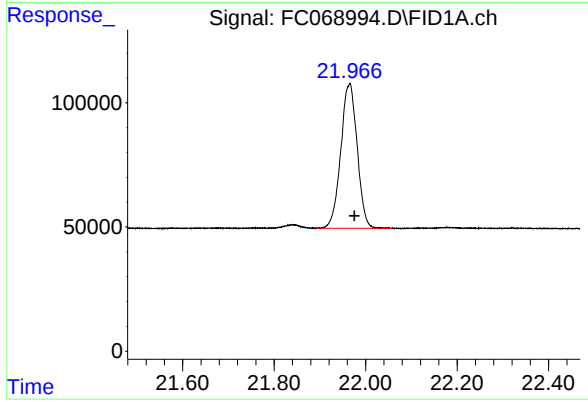
R.T.: 20.217 min
Delta R.T.: -0.005 min
Response: 1651734
Conc: 19.22 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.988 min
Delta R.T.: -0.008 min
Response: 1550241
Conc: 18.48 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.965 min
Delta R.T.: -0.011 min
Response: 1454363
Conc: 17.75 ug/ml