

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120224AL\
 Data File : FE051497.D
 Signal(s) : FID1B.ch
 Acq On : 02 Dec 2024 12:23
 Operator : YP\AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/02/2024
 Supervised By :Ankita Jodhani 12/03/2024

Integration File: autoint1.e
 Quant Time: Dec 02 13:24:32 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 120224.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 02 13:20:01 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)	11.835	7340068	49.981 ug/ml
Spiked Amount 50.000		Recovery =	99.96%
12) S 1-chlorooctadecane (S...	13.266	5557914	50.234 ug/ml
Spiked Amount 50.000		Recovery =	100.47%
Target Compounds			
1) T n-Nonane (C9)	3.224	6852293	50.117 ug/ml
2) T n-Decane (C10)	4.472	6952721	50.118 ug/ml
3) T A~Naphthalene (C11.7)	6.183	6935844	50.957 ug/ml
4) T n-Dodecane (C12)	6.639	6991284	50.181 ug/ml
5) T A~2-methylnaphthalene...	7.280	6549438	51.423 ug/ml
6) T n-Tetradecane (C14)	8.466	6867630	50.256 ug/ml
7) T n-Hexadecane (C16)	10.072	7002882	50.198 ug/ml
8) T n-Octadecane (C18)	11.513	7039946	50.201 ug/ml
10) T n-Eicosane (C20)	12.820	6716764	50.070 ug/ml
11) T n-Heneicosane (C21)	13.431	6578859	50.016 ug/ml
13) T n-Docosane (C22)	14.017	6509036	50.007 ug/ml
14) T n-Tetracosane (C24)	15.117	6412386	49.901 ug/ml
15) T n-Hexacosane (C26)	16.138	6287702	49.841 ug/ml
16) T n-Octacosane (C28)	17.085	6156516	49.775 ug/ml
17) T n-Tricontane (C30)	17.973	6223281	49.795 ug/ml
18) T n-Dotriacontane (C32)	18.804	6015861	49.931 ug/ml
19) T n-Tetratriacontane (C34)	19.587	5360721	49.852 ug/ml
20) T n-Hexatriacontane (C36)	20.325	4732429	49.942 ug/ml
21) T n-Octatriacontane (C38)	21.045	4392182	48.668 ug/mlm
22) T n-Tetracontane (C40)	21.920	4480576	51.003 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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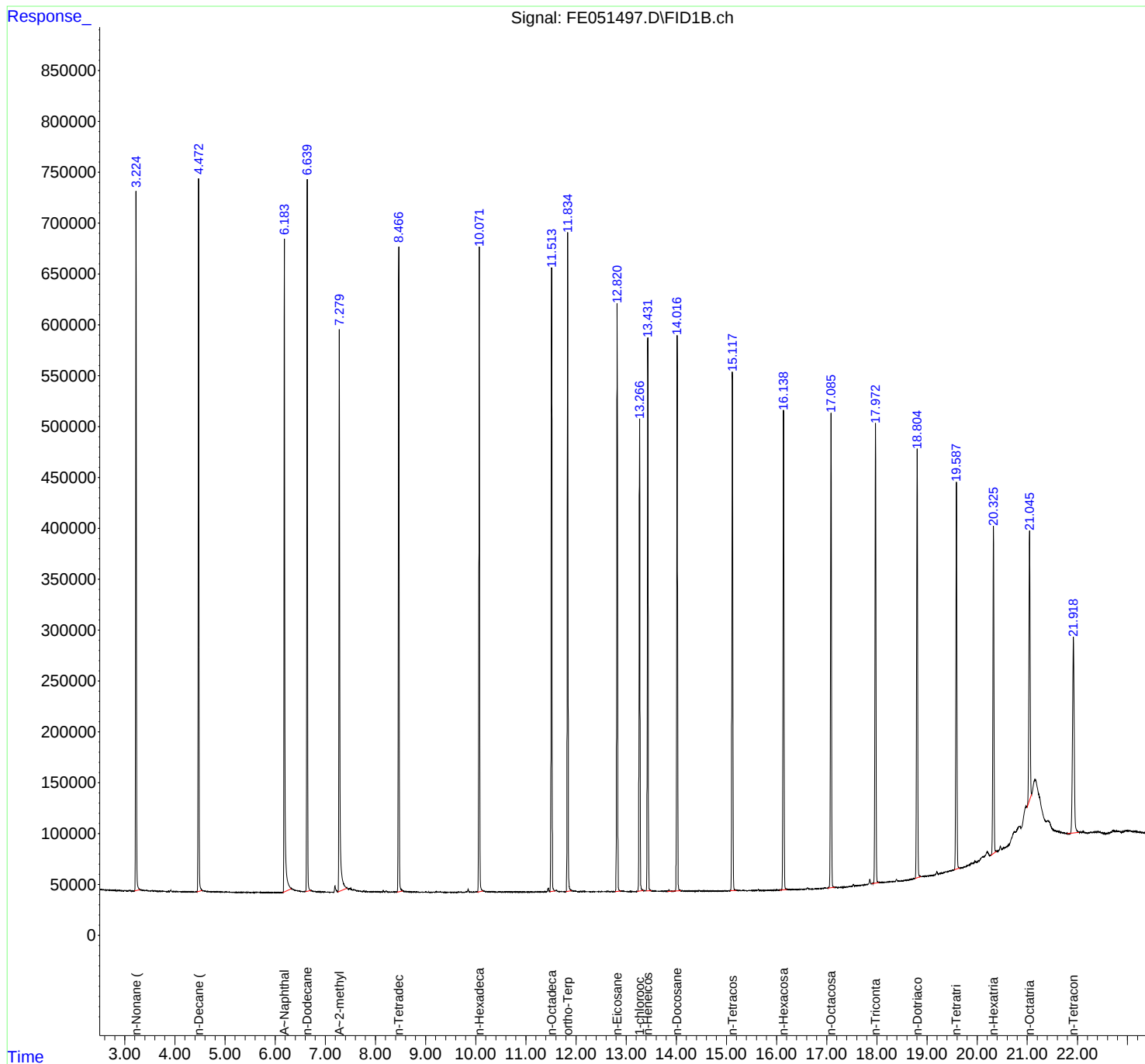
Instrument :
FID_E
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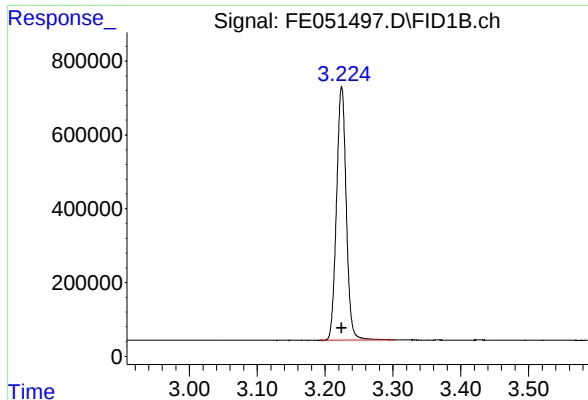
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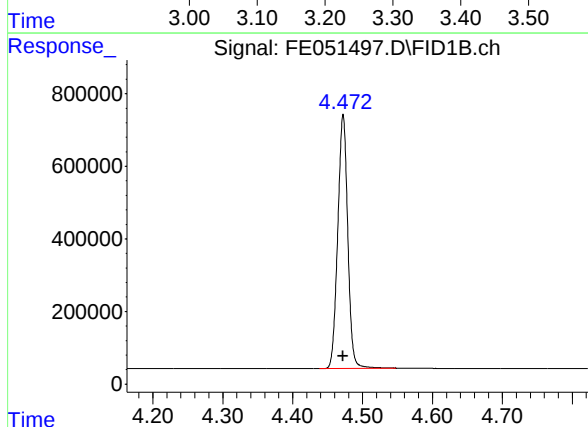
#1 n-Nonane (C9)

R.T.: 3.224 min
Delta R.T.: 0.000 min
Response: 6852293
Conc: 50.12 ug/ml

Instrument : FID_E
ClientSampleId : 50 PPM ALIPHATIC HC STD2

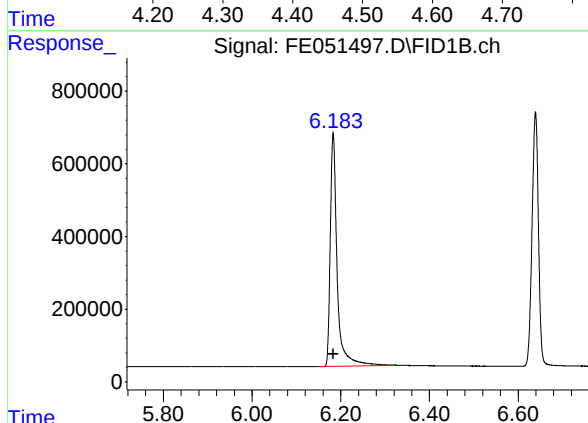
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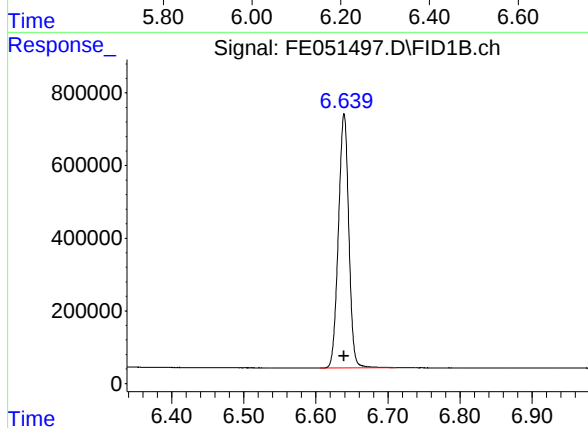
#2 n-Decane (C10)

R.T.: 4.472 min
Delta R.T.: 0.000 min
Response: 6952721
Conc: 50.12 ug/ml



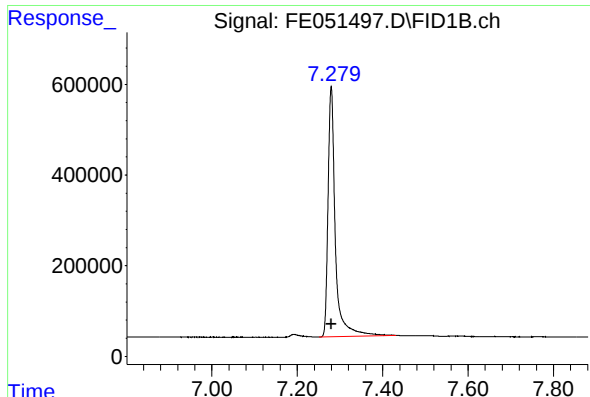
#3 A~Naphthalene (C11.7)

R.T.: 6.183 min
Delta R.T.: 0.000 min
Response: 6935844
Conc: 50.96 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.639 min
Delta R.T.: 0.000 min
Response: 6991284
Conc: 50.18 ug/ml



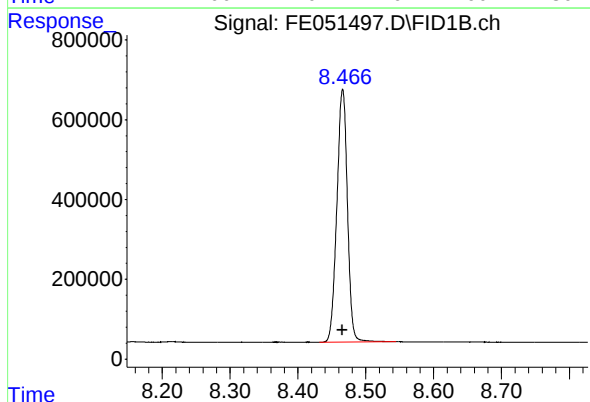
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.280 min
Delta R.T.: 0.000 min
Response: 6549438
Conc: 51.42 ug/ml

Instrument : FID_E
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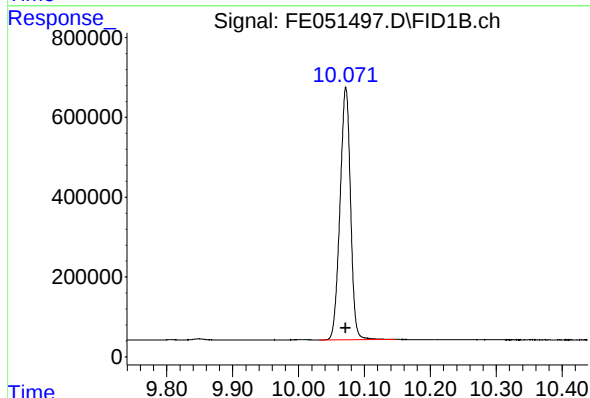
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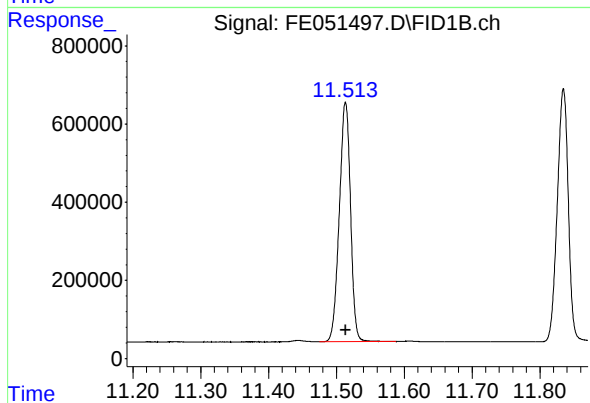
#6 n-Tetradecane (C14)

R.T.: 8.466 min
Delta R.T.: 0.000 min
Response: 6867630
Conc: 50.26 ug/ml



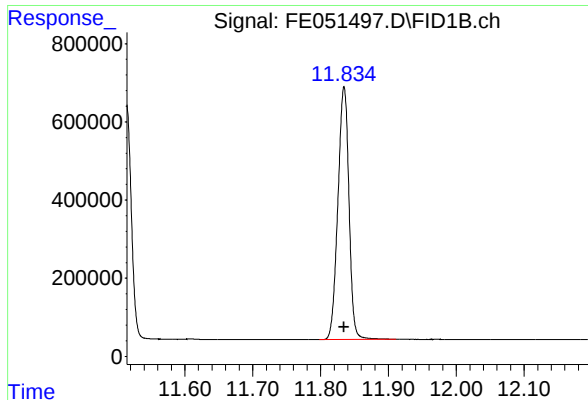
#7 n-Hexadecane (C16)

R.T.: 10.072 min
Delta R.T.: 0.000 min
Response: 7002882
Conc: 50.20 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.513 min
Delta R.T.: 0.000 min
Response: 7039946
Conc: 50.20 ug/ml



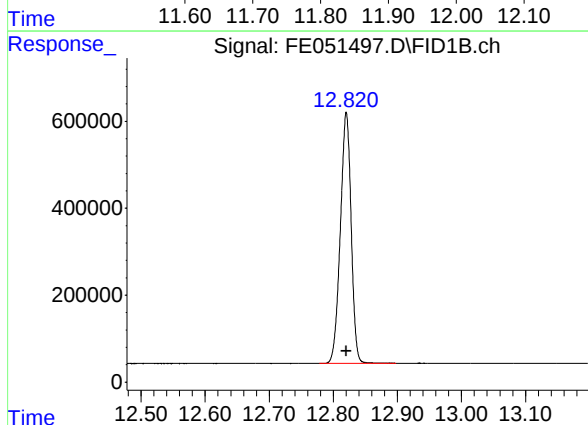
#9 ortho-Terphenyl (SURR)

R.T.: 11.835 min
Delta R.T.: 0.000 min
Response: 7340068
Conc: 49.98 ug/ml

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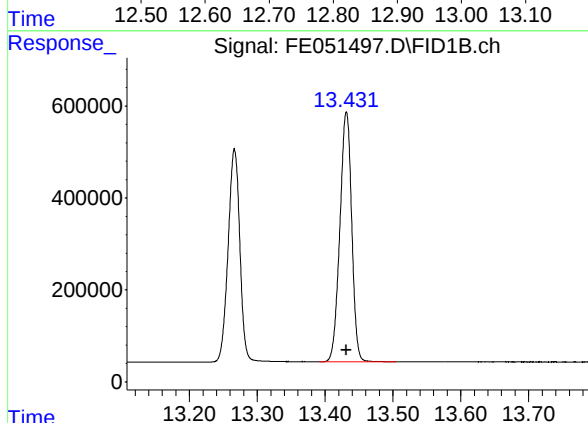
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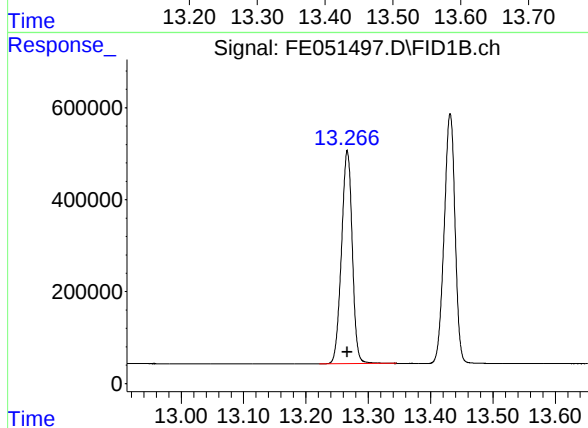
#10 n-Eicosane (C20)

R.T.: 12.820 min
Delta R.T.: 0.000 min
Response: 6716764
Conc: 50.07 ug/ml



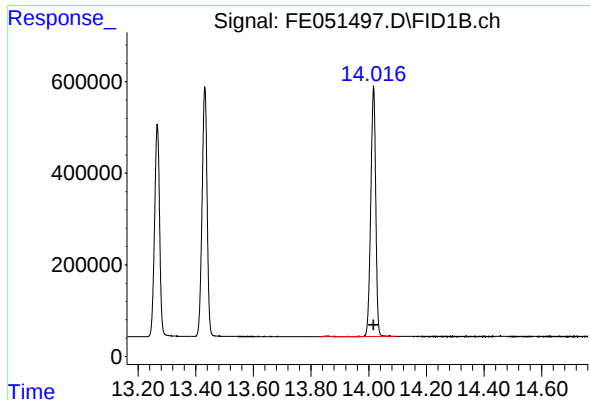
#11 n-Heneicosane (C21)

R.T.: 13.431 min
Delta R.T.: 0.000 min
Response: 6578859
Conc: 50.02 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.266 min
Delta R.T.: 0.000 min
Response: 5557914
Conc: 50.23 ug/ml



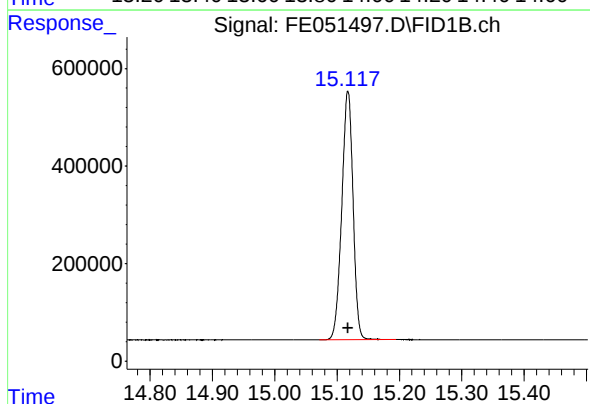
#13 n-Docosane (C22)

R.T.: 14.017 min
Delta R.T.: 0.000 min
Response: 6509036
Conc: 50.01 ug/ml

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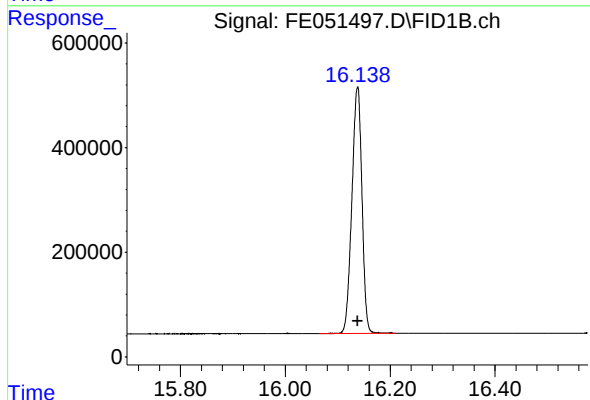
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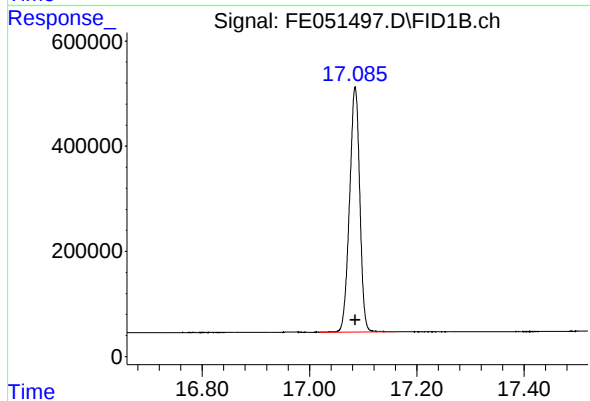
#14 n-Tetracosane (C24)

R.T.: 15.117 min
Delta R.T.: 0.000 min
Response: 6412386
Conc: 49.90 ug/ml



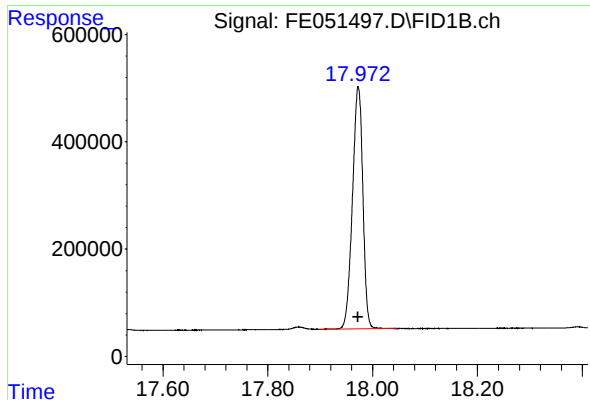
#15 n-Hexacosane (C26)

R.T.: 16.138 min
Delta R.T.: 0.000 min
Response: 6287702
Conc: 49.84 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.085 min
Delta R.T.: 0.000 min
Response: 6156516
Conc: 49.78 ug/ml



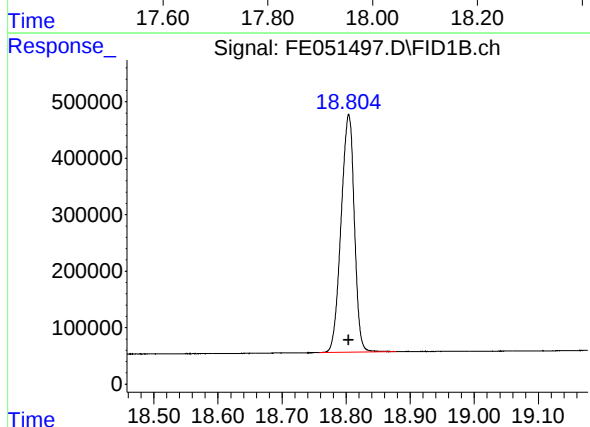
#17 n-Tricontane (C30)

R.T.: 17.973 min
Delta R.T.: 0.000 min
Response: 6223281
Conc: 49.79 ug/ml

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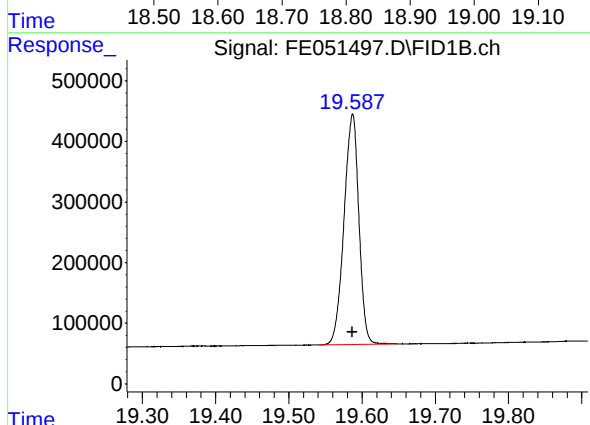
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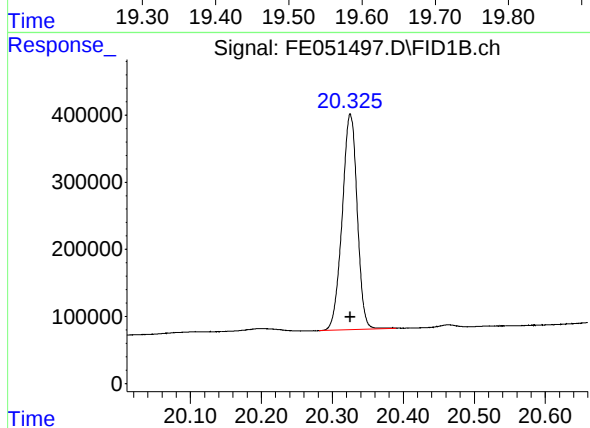
#18 n-Dotriacontane (C32)

R.T.: 18.804 min
Delta R.T.: 0.000 min
Response: 6015861
Conc: 49.93 ug/ml



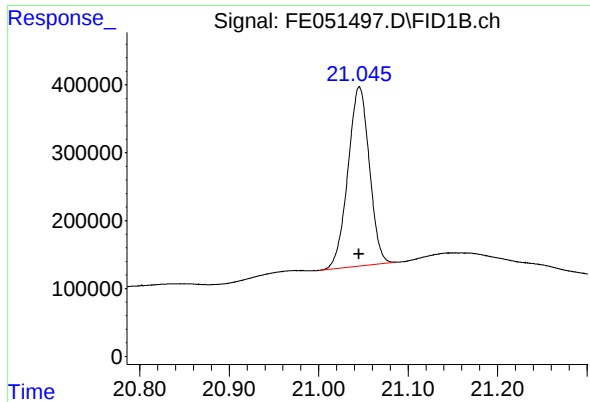
#19 n-Tetratriacontane (C34)

R.T.: 19.587 min
Delta R.T.: 0.000 min
Response: 5360721
Conc: 49.85 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.325 min
Delta R.T.: 0.000 min
Response: 4732429
Conc: 49.94 ug/ml



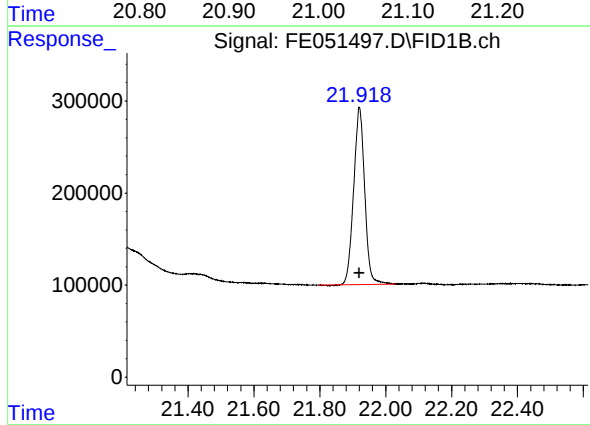
#21 n-Octatriacontane (C38)

R.T.: 21.045 min
Delta R.T.: 0.000 min
Response: 4392182
Conc: 48.67 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.920 min
Delta R.T.: 0.000 min
Response: 4480576
Conc: 51.00 ug/ml