

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD052723AR\
 Data File : FD045756.D
 Signal(s) : FID2B.ch
 Acq On : 26 May 2023 20:31
 Operator : YP/AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/30/2023
 Supervised By :Ankita Jodhani 05/30/2023

Integration File: autoint1.e
 Quant Time: May 27 06:38:55 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052723.M
 Quant Title : GC Extractables
 QLast Update : Sat May 27 06:38:44 2023
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.545	17653356	97.618 ug/ml
Spiked Amount 50.000		Recovery =	195.24%
6) S 2-Fluorobiphenyl (SURR)	8.402	11878195	97.874 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	195.75%#
11) S ortho-Terphenyl (SURR)	11.445	21639379	97.103 ug/ml
Spiked Amount 50.000		Recovery =	194.21%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.352	19657018	97.490 ug/ml
2) T Naphthalene (C11.7)	5.884	20570498	97.420 ug/ml
3) T 2-Methylnaphthalene (...)	6.935	20627588	97.678 ug/ml
5) T Acenaphthylene (C15.06)	8.207	18477869	97.245 ug/ml
7) T Acenaphthene (C15.5)	8.506	19746694	97.421 ug/ml
8) T Fluorene (C16.55)	9.284	19429933	97.554 ug/ml
9) T Phenanthrene (C19.36)	10.675	18785495	97.772 ug/ml
10) T Anthracene (C19.43)	10.749	14977659	91.353 ug/ml
12) T Fluoranthene (C21.85)	12.482	18097315	97.566 ug/ml
13) T Pyrene (C20.8)	12.778	17520830	97.465 ug/ml
14) T Benzo[a]anthracene (C...	14.640	15386956	97.745 ug/ml
15) T Chrysene (C27.41)	14.689	16052540	98.342 ug/ml
16) T benzo[b]fluoranthene ...	16.185	14969629	97.993 ug/ml
17) T Bnezo[k]fluoranthene ...	16.226	14510243	96.736 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.562	13769200	95.316 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.923	14141450	97.261 ug/ml
20) T Dibenz[a,h]anthracene...	17.967	13545987	93.837 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.183	13979248	95.555 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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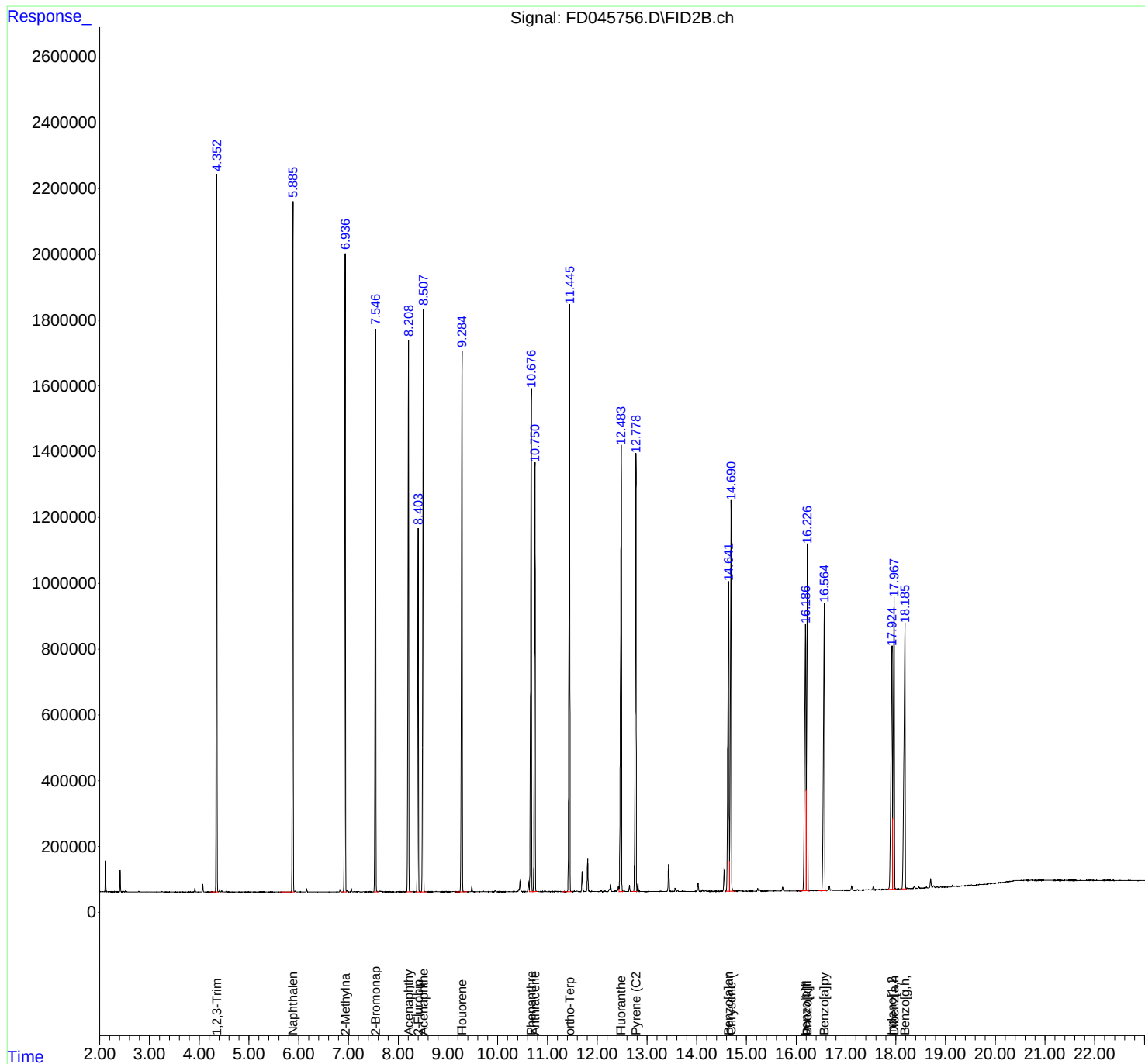
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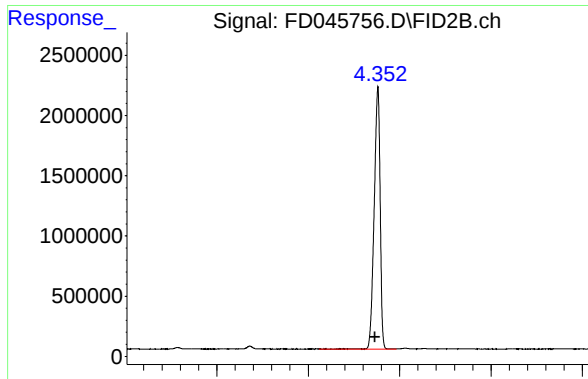
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#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.352 min
Delta R.T.: 0.006 min
Response: 19657018
Conc: 97.49 ug/ml

Instrument :

FID_D

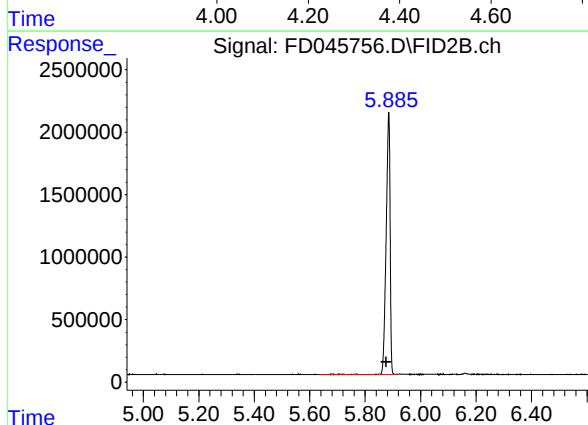
ClientSampleId :

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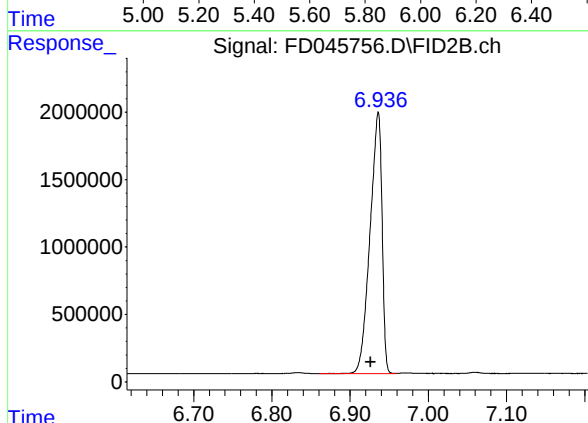
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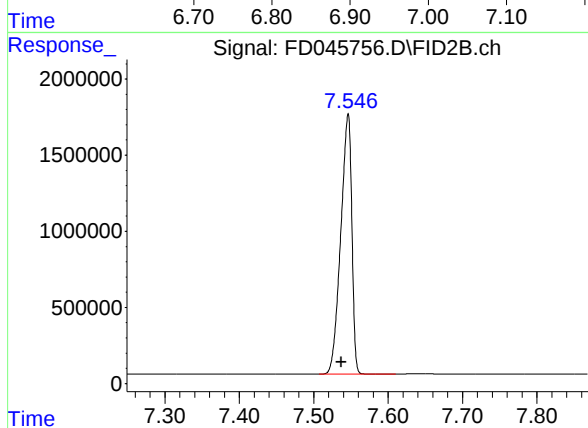
#2 Naphthalene (C11.7)

R.T.: 5.884 min
Delta R.T.: 0.008 min
Response: 20570498
Conc: 97.42 ug/ml



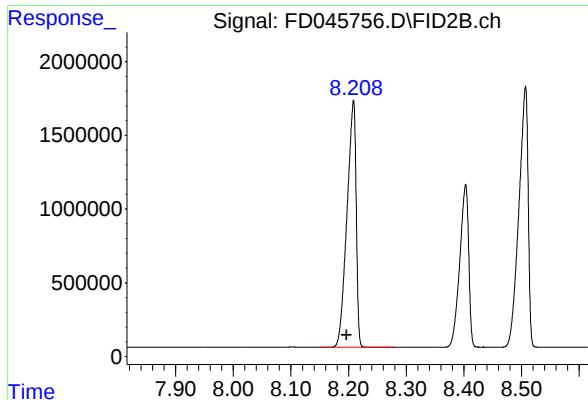
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.935 min
Delta R.T.: 0.009 min
Response: 20627588
Conc: 97.68 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.545 min
Delta R.T.: 0.008 min
Response: 17653356
Conc: 97.62 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.207 min
Delta R.T.: 0.011 min
Response: 18477869
Conc: 97.24 ug/ml

Instrument :

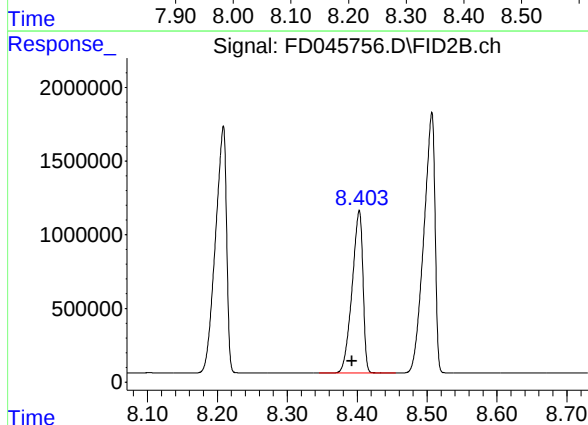
FID_D

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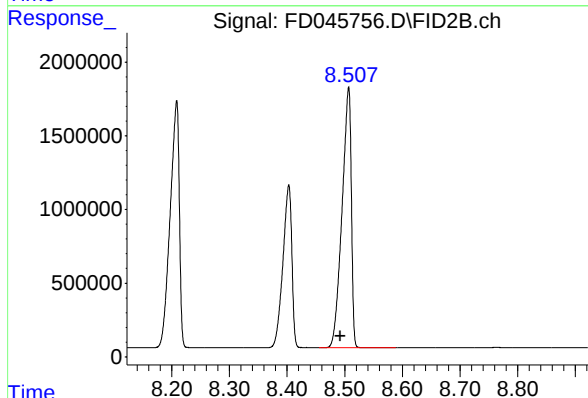
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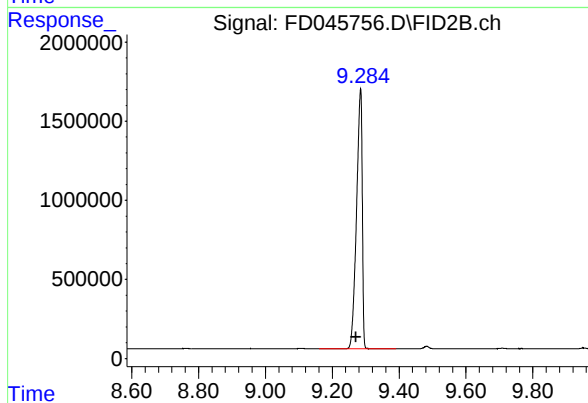
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.402 min
Delta R.T.: 0.010 min
Response: 11878195
Conc: 97.87 ug/ml



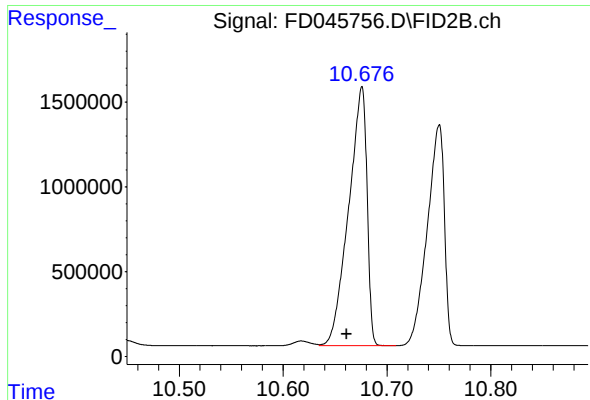
#7 Acenaphthene (C15.5)

R.T.: 8.506 min
Delta R.T.: 0.013 min
Response: 19746694
Conc: 97.42 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.284 min
Delta R.T.: 0.013 min
Response: 19429933
Conc: 97.55 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.675 min
Delta R.T.: 0.014 min
Response: 18785495
Conc: 97.77 ug/ml

Instrument :

FID_D

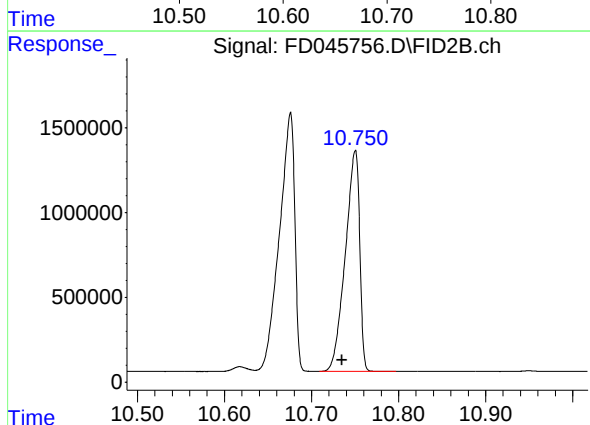
ClientSampleId :

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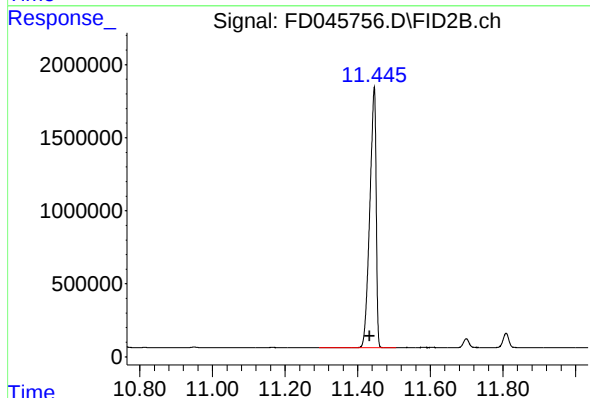
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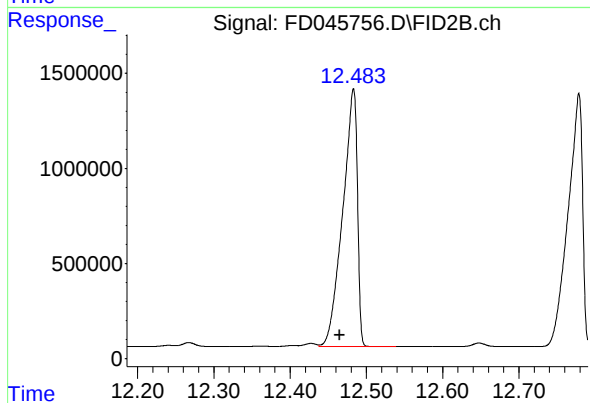
#10 Anthracene (C19.43)

R.T.: 10.749 min
Delta R.T.: 0.014 min
Response: 14977659
Conc: 91.35 ug/ml



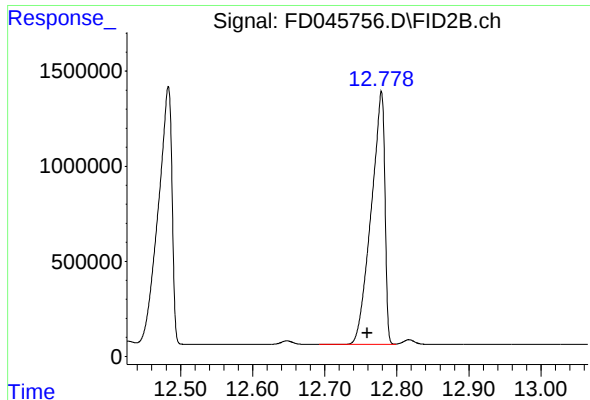
#11 ortho-Terphenyl (SURR)

R.T.: 11.445 min
Delta R.T.: 0.012 min
Response: 21639379
Conc: 97.10 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.482 min
Delta R.T.: 0.017 min
Response: 18097315
Conc: 97.57 ug/ml



#13 Pyrene (C20.8)

R.T.: 12.778 min
Delta R.T.: 0.018 min
Response: 17520830
Conc: 97.47 ug/ml

Instrument :

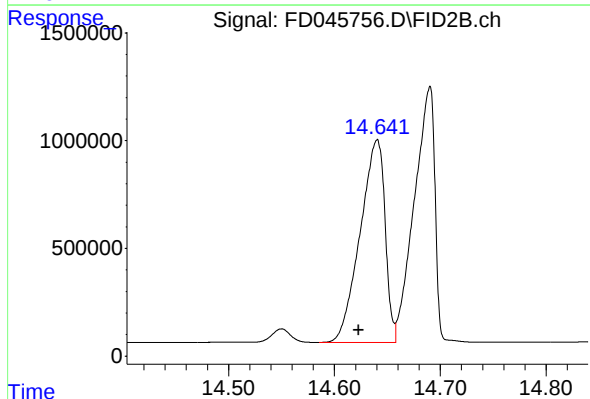
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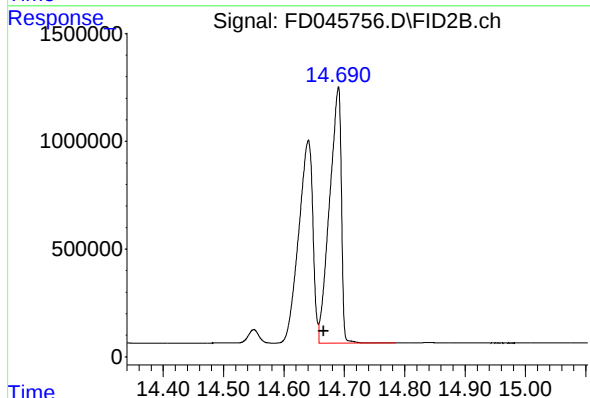
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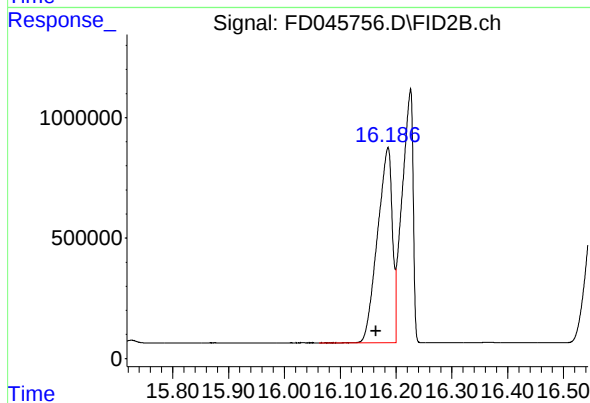
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.640 min
Delta R.T.: 0.017 min
Response: 15386956
Conc: 97.75 ug/ml



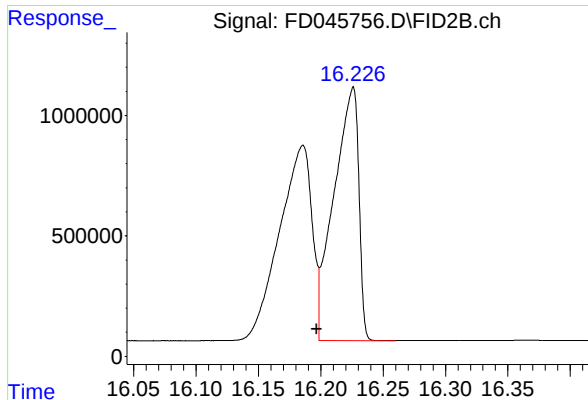
#15 Chrysene (C27.41)

R.T.: 14.689 min
Delta R.T.: 0.023 min
Response: 16052540
Conc: 98.34 ug/ml



#16 benzo[b]fluoranthene (C30.41)

R.T.: 16.185 min
Delta R.T.: 0.021 min
Response: 14969629
Conc: 97.99 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.226 min
Delta R.T.: 0.029 min
Response: 14510243
Conc: 96.74 ug/ml

Instrument :

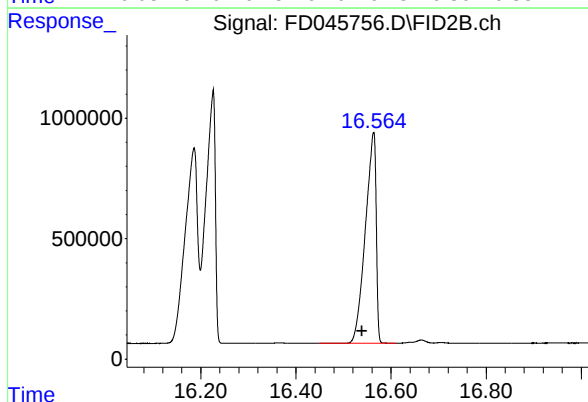
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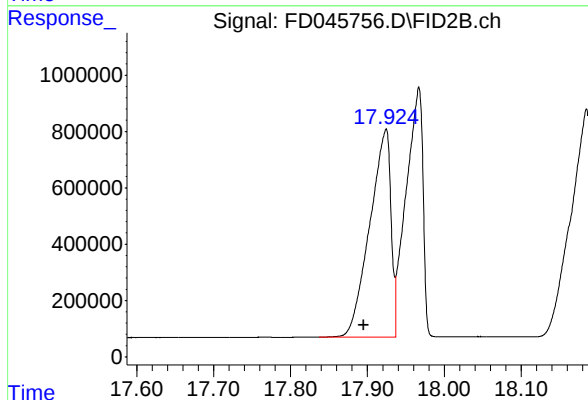
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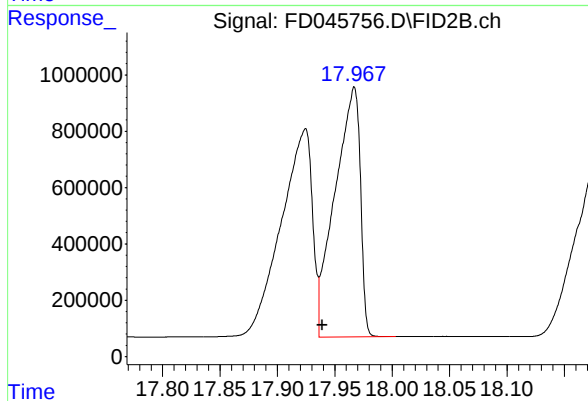
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.562 min
Delta R.T.: 0.023 min
Response: 13769200
Conc: 95.32 ug/ml



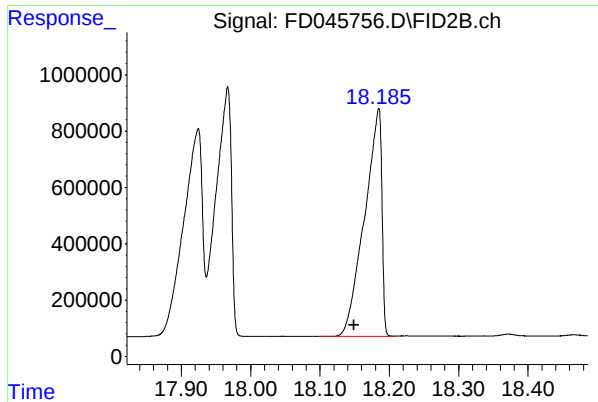
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.923 min
Delta R.T.: 0.028 min
Response: 14141450
Conc: 97.26 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.967 min
Delta R.T.: 0.028 min
Response: 13545987
Conc: 93.84 ug/ml m



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.183 min
Delta R.T.: 0.034 min
Response: 13979248
Conc: 95.55 ug/ml

Instrument :

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