

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD083121AR\
 Data File : FD038730.D
 Signal(s) : FID2B.CH
 Acq On : 31 Aug 2021 13:20
 Operator : AJ\MA
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Manual Integrations
 APPROVED

mohammad
 9/1/2021 4:26:40 PM

Integration File: autoint1.e
 Quant Time: Sep 01 10:25:57 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 083121.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 01 10:25:00 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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...	7.772	13666708	104.177 ug/ml
Spiked Amount 50.000		Recovery =	208.35%
6) S 2-Fluorobiphenyl (SURR)	8.642	9411983	104.036 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	208.07%#
11) S ortho-Terphenyl (SURR)	11.690	14689968	102.729 ug/ml
Spiked Amount 50.000		Recovery =	205.46%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.559	14911606	103.969 ug/ml
2) T Naphthalene (C11.7)	6.108	15747238	104.029 ug/ml
3) T 2-Methylnaphthalene (...)	7.164	15472686	104.114 ug/ml
5) T Acenaphthylene (C15.06)	8.446	14970404	103.764 ug/ml
7) T Acenaphthene (C15.5)	8.745	15430488	103.861 ug/ml
8) T Fluorene (C16.55)	9.526	14943761	103.511 ug/ml
9) T Phenanthrene (C19.36)	10.928	14487724	103.643 ug/ml
10) T Anthracene (C19.43)	11.005	13847552	102.549 ug/ml
12) T Fluoranthene (C21.85)	12.746	13827291	101.644 ug/ml
13) T Pyrene (C20.8)	13.046	13661980	101.414 ug/ml
14) T Benzo[a]anthracene (C...	14.916	12230896	100.700 ug/ml
15) T Chrysene (C27.41)	14.965	12486202	100.770 ug/mlm
16) T benzo[b]fluoranthene ...	16.471	11601938	99.883 ug/ml
17) T Bnezo[k]fluoranthene ...	16.508	11232656	99.568 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.852	10748301	99.969 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.220	11194097	105.089 ug/ml
20) T Dibenz[a,h]anthracene...	18.259	10289850	93.823 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.482	10718838	99.747 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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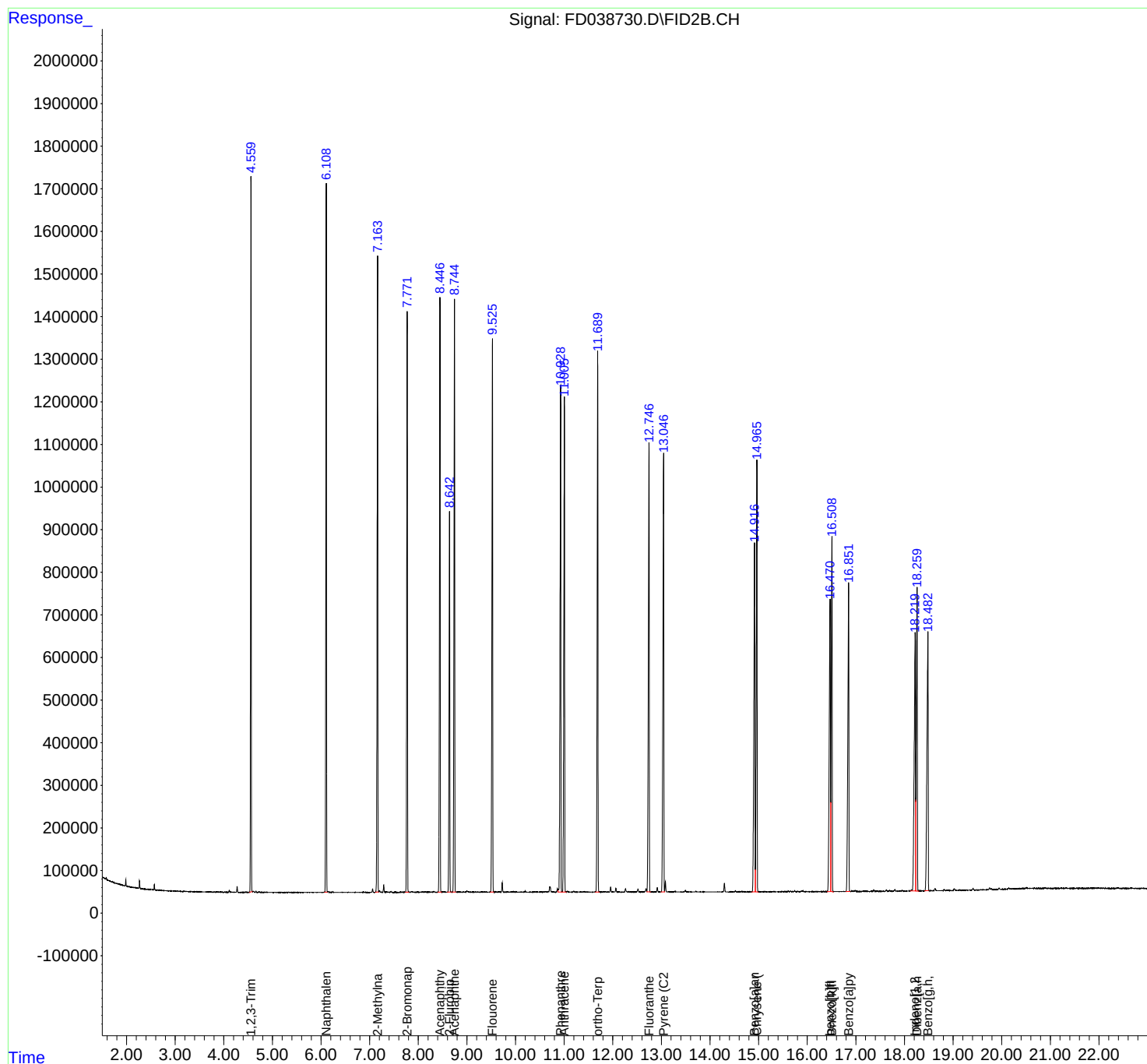
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100 PPM AROMATIC HC STD1

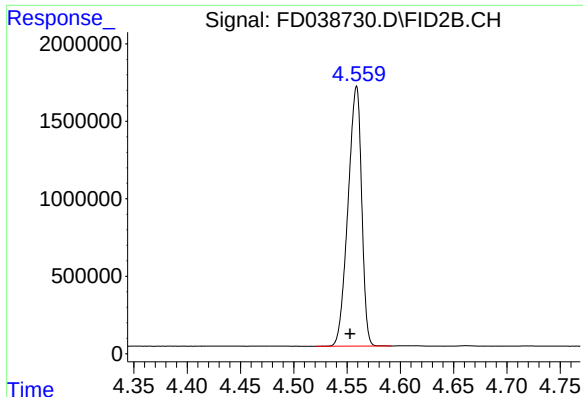
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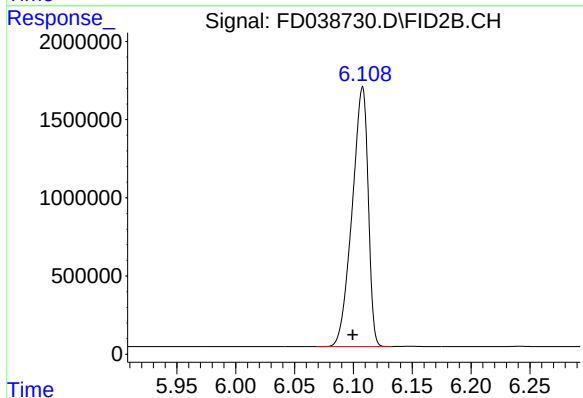
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.559 min
Delta R.T.: 0.006 min
Response: 14911606
Conc: 103.97 ug/ml

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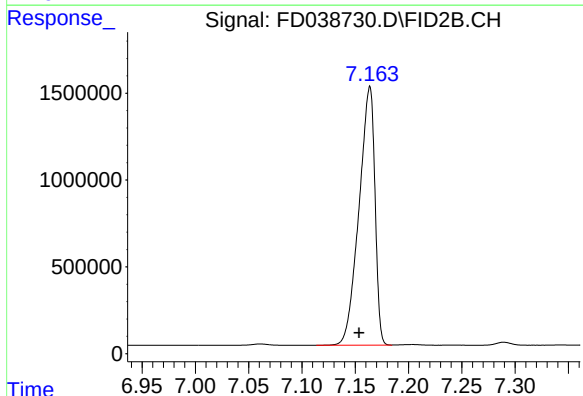
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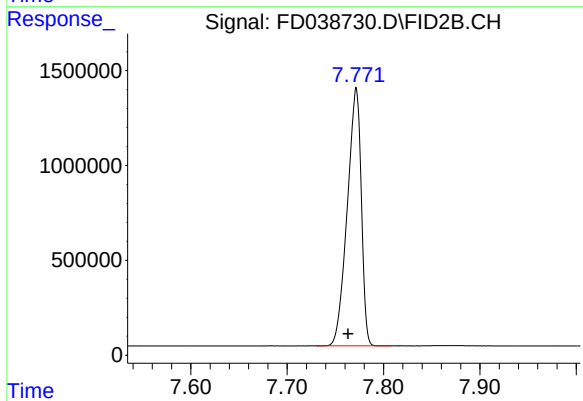
#2 Naphthalene (C11.7)

R.T.: 6.108 min
Delta R.T.: 0.009 min
Response: 15747238
Conc: 104.03 ug/ml



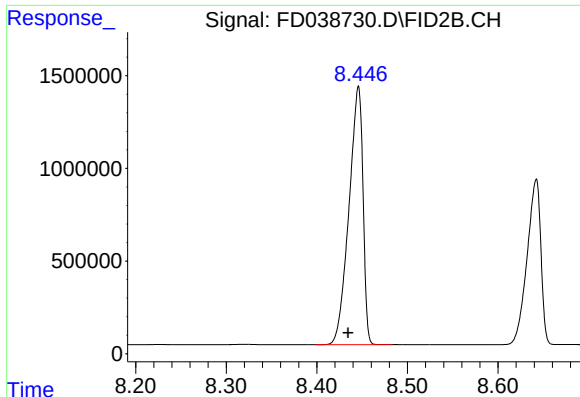
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.164 min
Delta R.T.: 0.010 min
Response: 15472686
Conc: 104.11 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.772 min
Delta R.T.: 0.008 min
Response: 13666708
Conc: 104.18 ug/ml



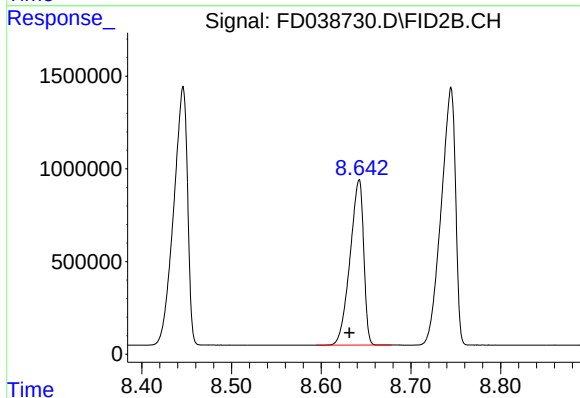
#5 Acenaphthylene (C15.06)

R.T.: 8.446 min
Delta R.T.: 0.011 min
Response: 14970404
Conc: 103.76 ug/ml

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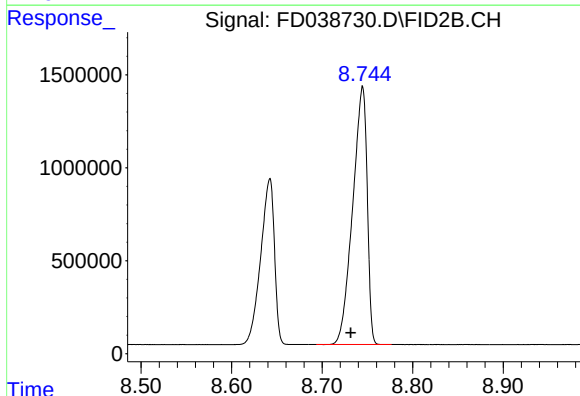
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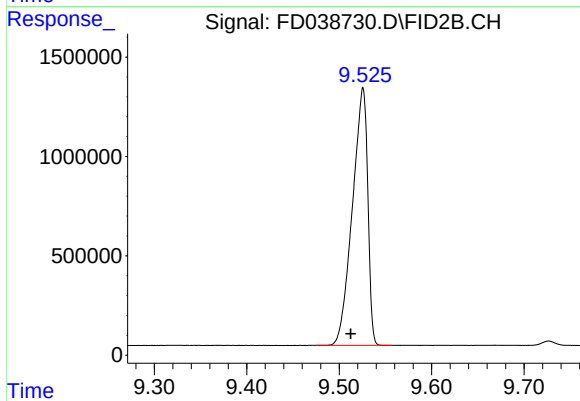
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.642 min
Delta R.T.: 0.011 min
Response: 9411983
Conc: 104.04 ug/ml



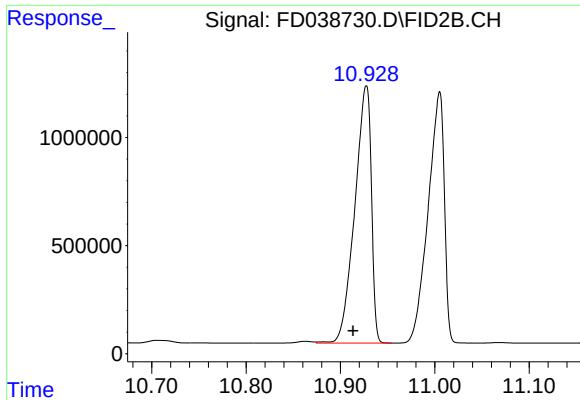
#7 Acenaphthene (C15.5)

R.T.: 8.745 min
Delta R.T.: 0.013 min
Response: 15430488
Conc: 103.86 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.526 min
Delta R.T.: 0.013 min
Response: 14943761
Conc: 103.51 ug/ml



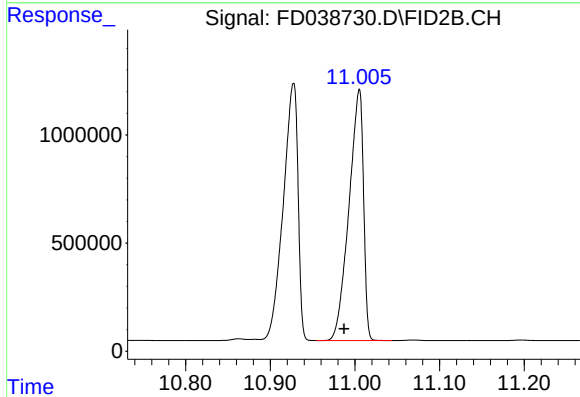
#9 Phenanthrene (C19.36)

R.T.: 10.928 min
Delta R.T.: 0.014 min
Response: 14487724
Conc: 103.64 ug/ml

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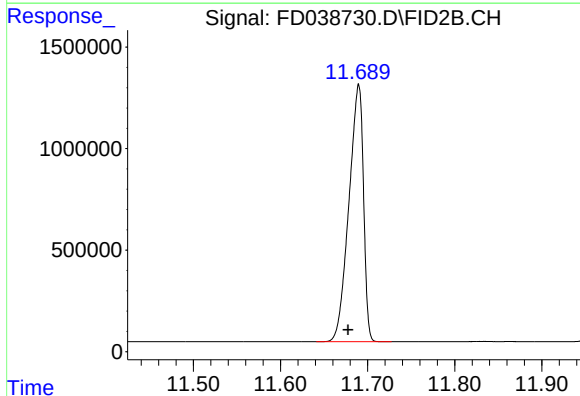
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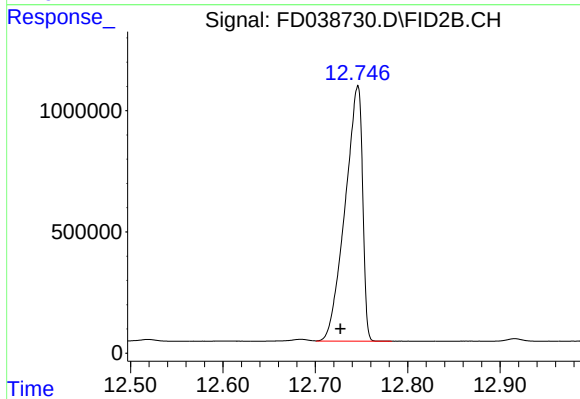
#10 Anthracene (C19.43)

R.T.: 11.005 min
Delta R.T.: 0.018 min
Response: 13847552
Conc: 102.55 ug/ml



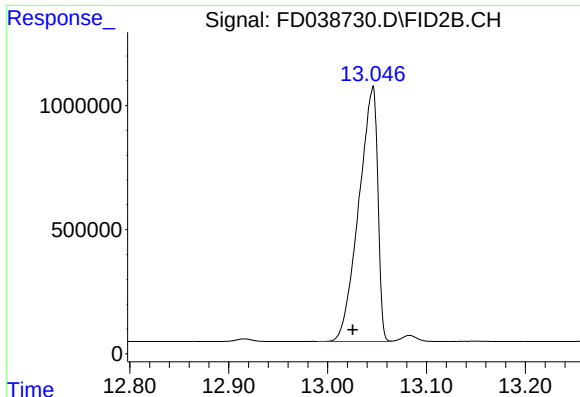
#11 ortho-Terphenyl (SURR)

R.T.: 11.690 min
Delta R.T.: 0.012 min
Response: 14689968
Conc: 102.73 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.746 min
Delta R.T.: 0.019 min
Response: 13827291
Conc: 101.64 ug/ml



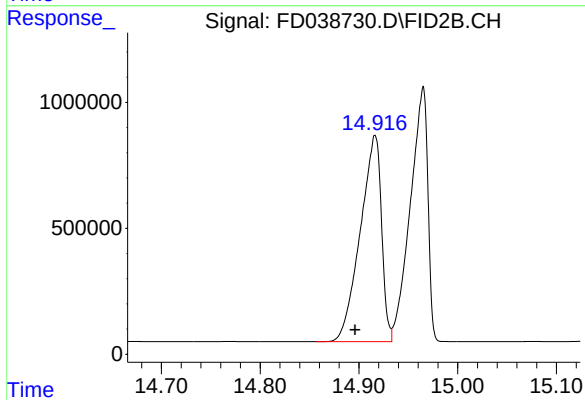
#13 Pyrene (C20.8)

R.T.: 13.046 min
Delta R.T.: 0.021 min
Response: 13661980
Conc: 101.41 ug/ml

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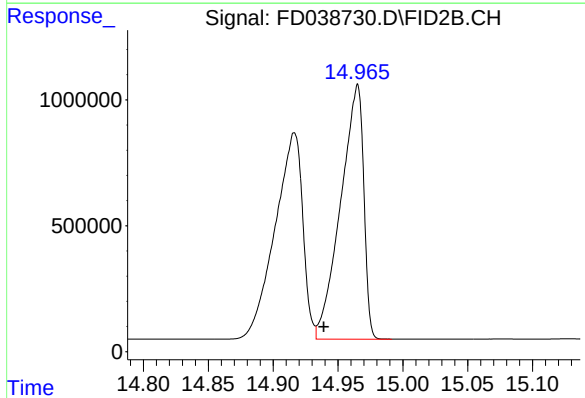
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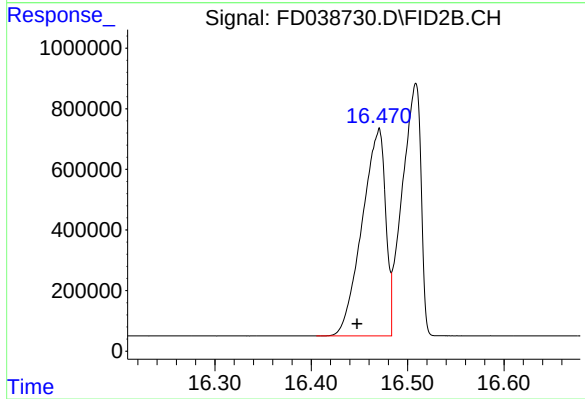
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.916 min
Delta R.T.: 0.020 min
Response: 12230896
Conc: 100.70 ug/ml



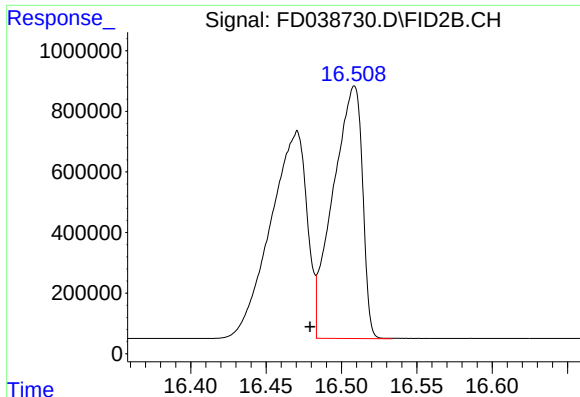
#15 Chrysene (C27.41)

R.T.: 14.965 min
Delta R.T.: 0.026 min
Response: 12486202
Conc: 100.77 ug/ml m



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

R.T.: 16.471 min
Delta R.T.: 0.023 min
Response: 11601938
Conc: 99.88 ug/ml



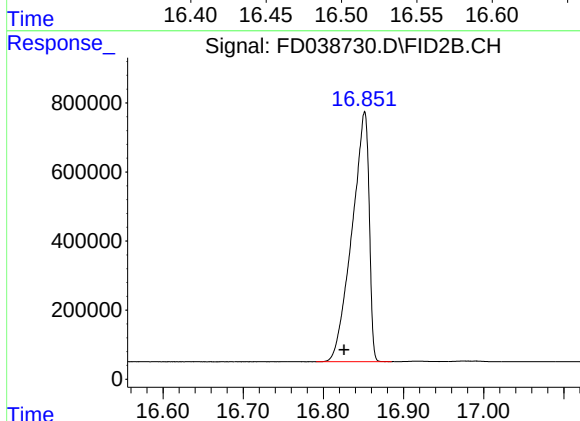
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.508 min
Delta R.T.: 0.029 min
Response: 11232656
Conc: 99.57 ug/ml m

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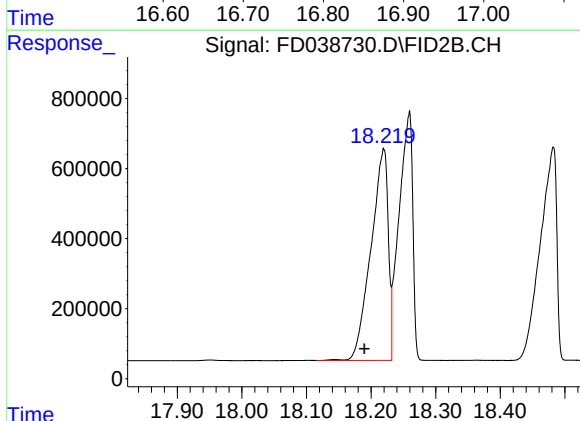
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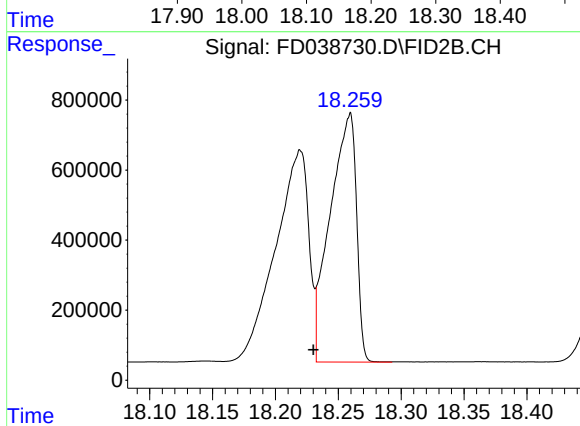
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.852 min
Delta R.T.: 0.026 min
Response: 10748301
Conc: 99.97 ug/ml



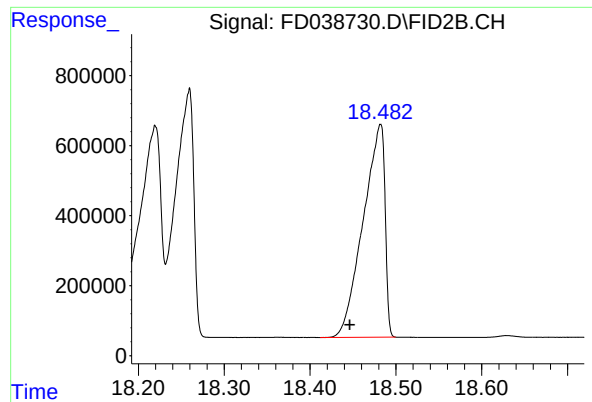
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.220 min
Delta R.T.: 0.030 min
Response: 11194097
Conc: 105.09 ug/ml



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

R.T.: 18.259 min
Delta R.T.: 0.029 min
Response: 10289850
Conc: 93.82 ug/ml m



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

R.T.: 18.482 min
Delta R.T.: 0.036 min
Response: 10718838
Conc: 99.75 ug/ml

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