

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD062323AR\
 Data File : FD045955.D
 Signal(s) : FID2B.ch
 Acq On : 24 Jun 2023 19:04
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/26/2023
 Supervised By :Ankita Jodhani 06/26/2023

Integration File: autoint1.e
 Quant Time: Jun 25 05:36:07 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052723.M
 Quant Title : GC Extractables
 QLast Update : Sat May 27 06:44:25 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...	7.518	3698287	20.513 ug/ml
Spiked Amount 50.000		Recovery =	41.03%
6) S 2-Fluorobiphenyl (SURR)	8.373	2361646	19.643 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	39.29%
11) S ortho-Terphenyl (SURR)	11.412	4312052	19.305 ug/ml
Spiked Amount 50.000		Recovery =	38.61%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.329	4299831	21.299 ug/ml
2) T Naphthalene (C11.7)	5.858	4377644	20.660 ug/ml
3) T 2-Methylnaphthalene (...)	6.907	4332374	20.513 ug/ml
5) T Acenaphthylene (C15.06)	8.178	3751262	19.800 ug/ml
7) T Acenaphthene (C15.5)	8.473	4036054	19.963 ug/ml
8) T Fluorene (C16.55)	9.251	3862901	19.496 ug/ml
9) T Phenanthrene (C19.36)	10.641	3604181	18.839 ug/ml
10) T Anthracene (C19.43)	10.714	2865359	16.821 ug/ml
12) T Fluoranthene (C21.85)	12.445	3401184	18.410 ug/ml
13) T Pyrene (C20.8)	12.739	3277074	18.349 ug/ml
14) T Benzo[a]anthracene (C...	14.603	2995664	19.133 ug/ml
15) T Chrysene (C27.41)	14.646	3155452	19.126 ug/ml
16) T benzo[b]fluoranthene ...	16.145	3209075	21.203 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.178	3155606	20.383 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.521	3078321	21.050 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.878	3096693	21.143 ug/ml
20) T Dibenz[a,h]anthracene...	17.920	3439353	22.926 ug/ml
21) T Benzo[g,h,i]perylene ...	18.132	3186896	21.598 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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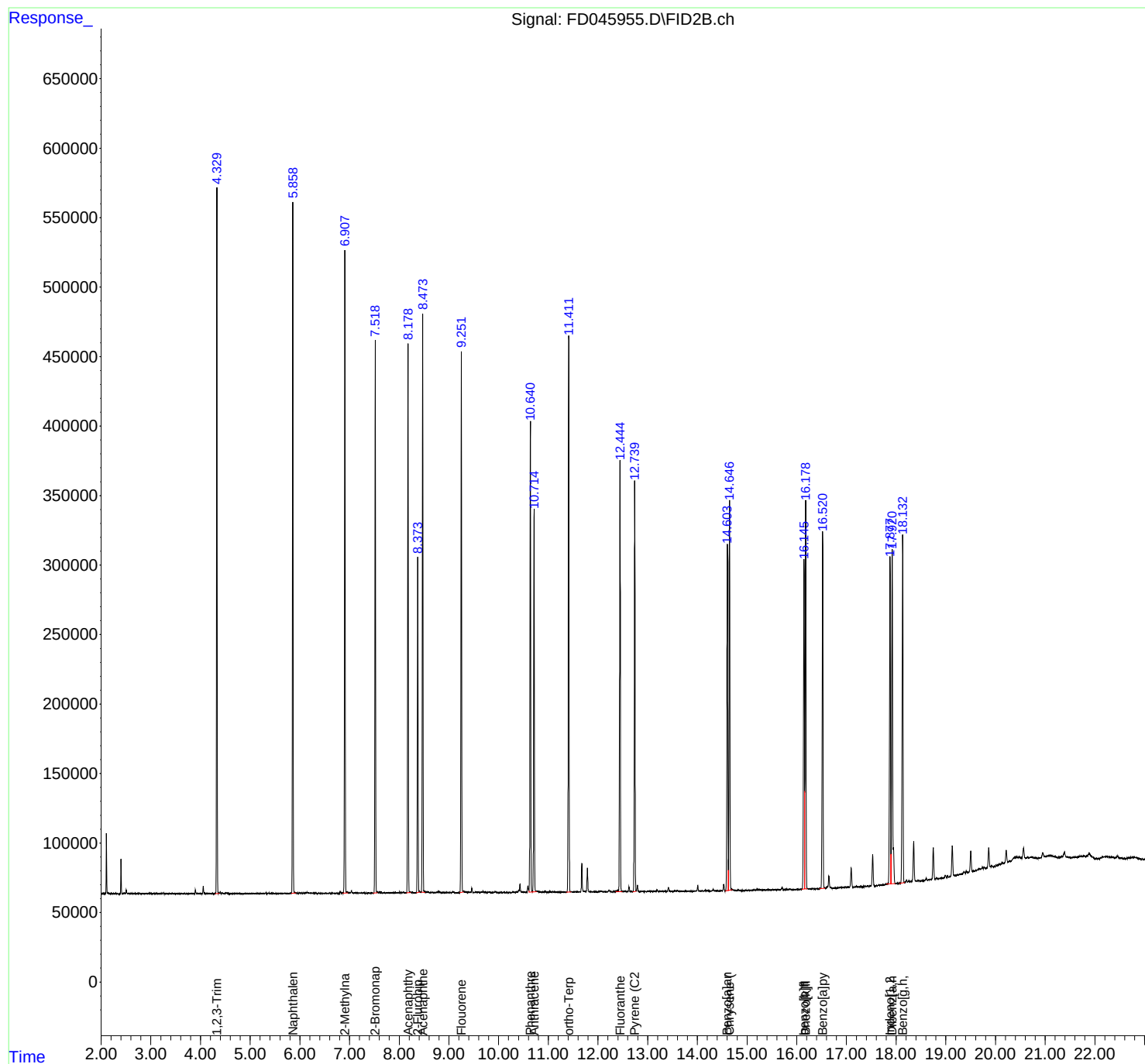
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20 PPM AROMATIC HC STD

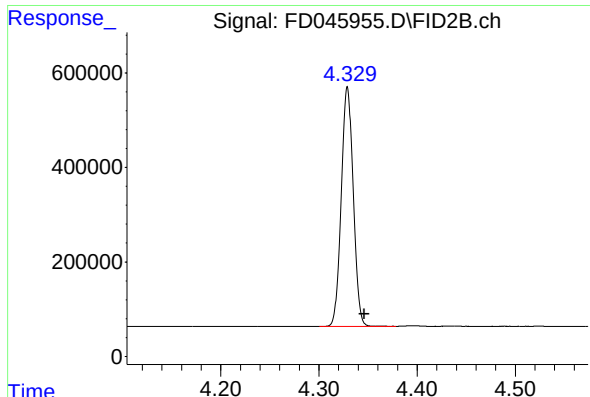
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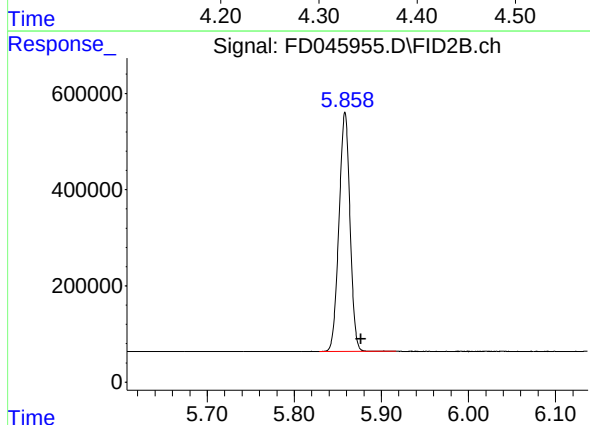
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.329 min
Delta R.T.: -0.017 min
Response: 4299831
Conc: 21.30 ug/ml

Instrument :
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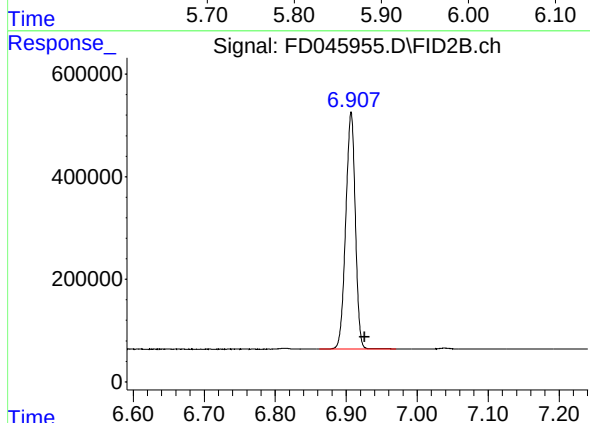
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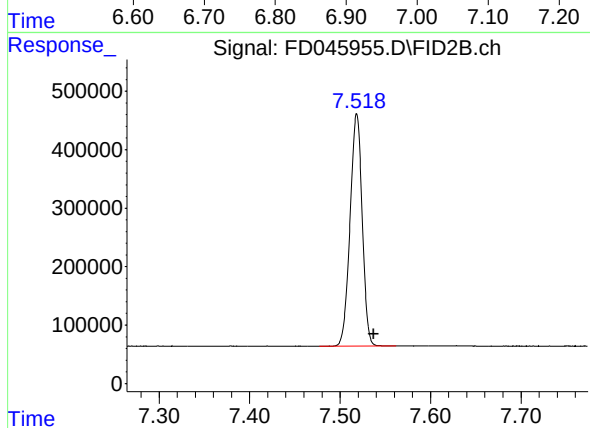
#2 Naphthalene (C11.7)

R.T.: 5.858 min
Delta R.T.: -0.018 min
Response: 4377644
Conc: 20.66 ug/ml



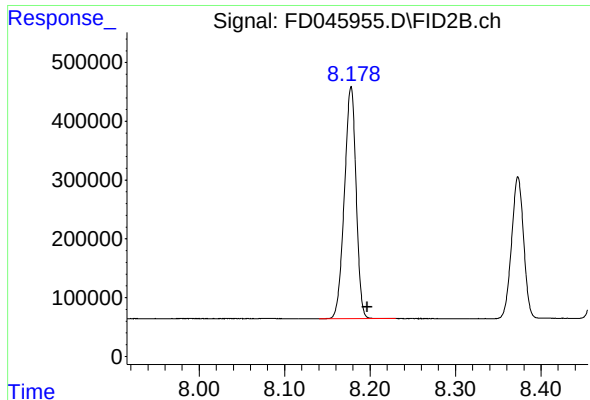
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.907 min
Delta R.T.: -0.019 min
Response: 4332374
Conc: 20.51 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.518 min
Delta R.T.: -0.019 min
Response: 3698287
Conc: 20.51 ug/ml



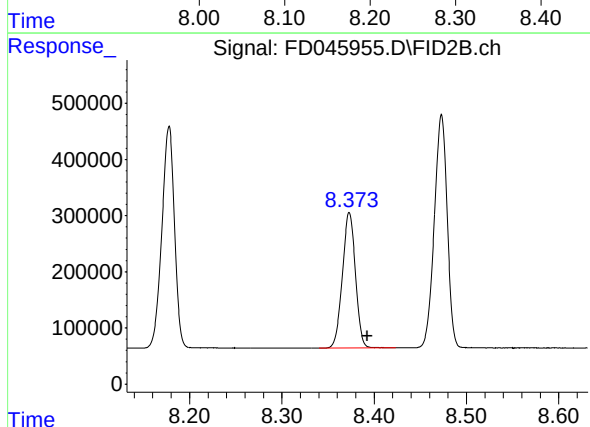
#5 Acenaphthylene (C15.06)

R.T.: 8.178 min
Delta R.T.: -0.019 min
Response: 3751262
Conc: 19.80 ug/ml

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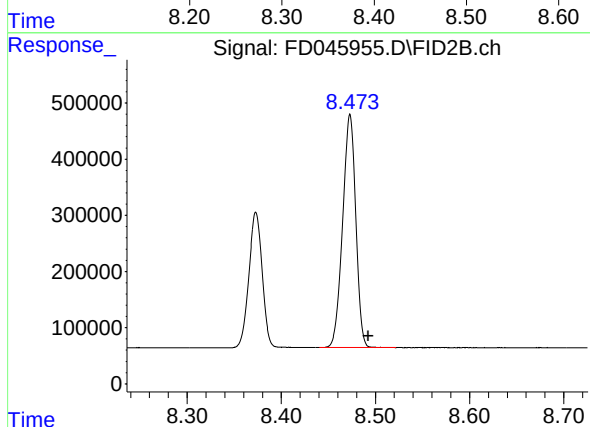
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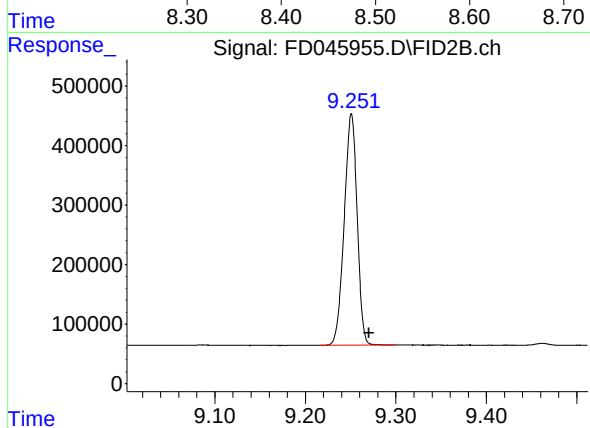
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.373 min
Delta R.T.: -0.020 min
Response: 2361646
Conc: 19.64 ug/ml



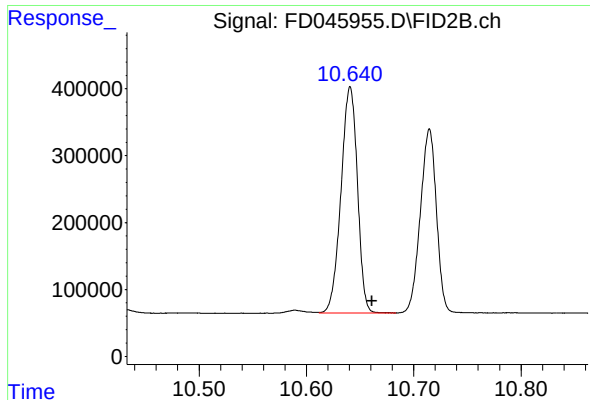
#7 Acenaphthene (C15.5)

R.T.: 8.473 min
Delta R.T.: -0.020 min
Response: 4036054
Conc: 19.96 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.251 min
Delta R.T.: -0.020 min
Response: 3862901
Conc: 19.50 ug/ml



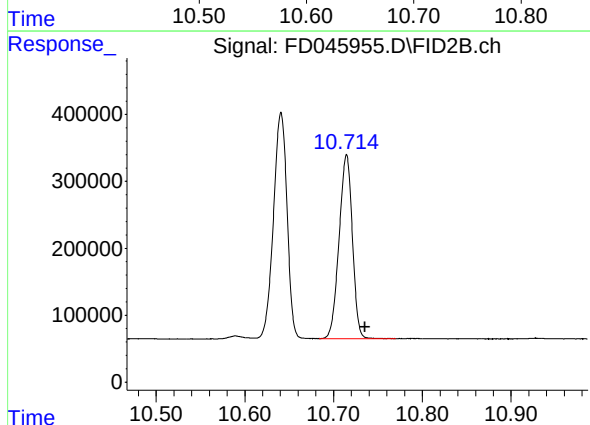
#9 Phenanthrene (C19.36)

R.T.: 10.641 min
Delta R.T.: -0.020 min
Response: 3604181
Conc: 18.84 ug/ml

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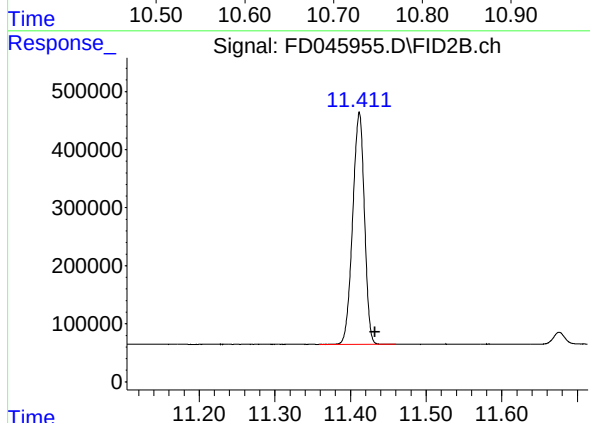
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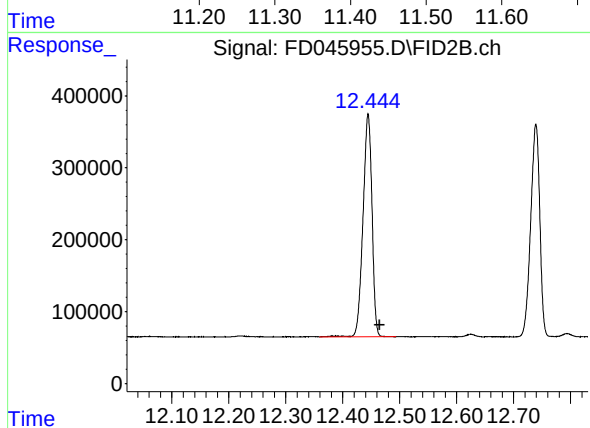
#10 Anthracene (C19.43)

R.T.: 10.714 min
Delta R.T.: -0.021 min
Response: 2865359
Conc: 16.82 ug/ml



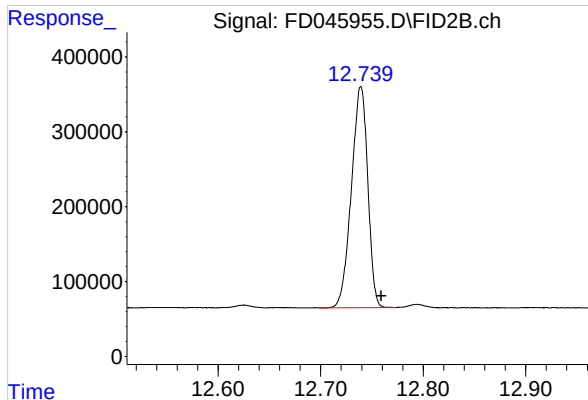
#11 ortho-Terphenyl (SURRE)

R.T.: 11.412 min
Delta R.T.: -0.021 min
Response: 4312052
Conc: 19.30 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.445 min
Delta R.T.: -0.020 min
Response: 3401184
Conc: 18.41 ug/ml



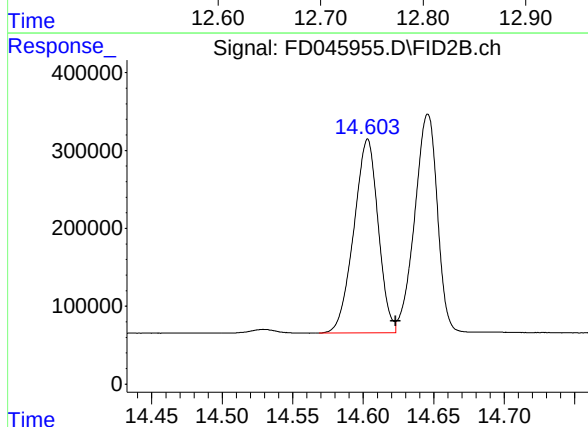
#13 Pyrene (C20.8)

R.T.: 12.739 min
Delta R.T.: -0.020 min
Response: 3277074
Conc: 18.35 ug/ml

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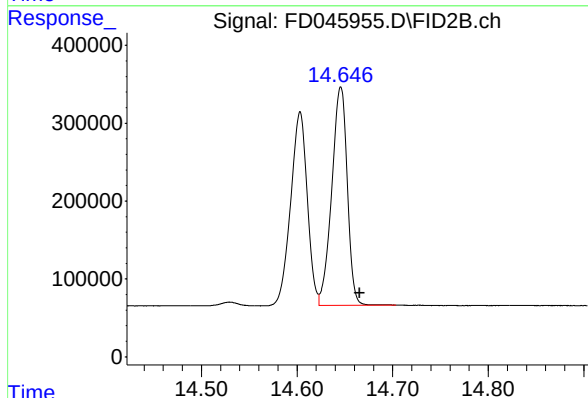
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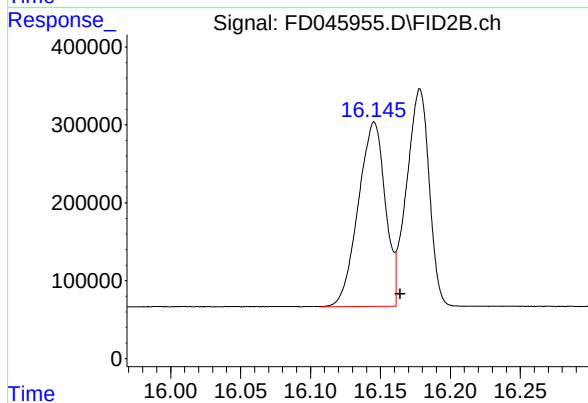
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.603 min
Delta R.T.: -0.020 min
Response: 2995664
Conc: 19.13 ug/ml



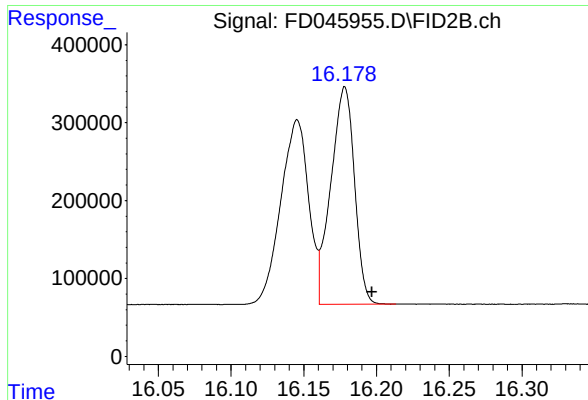
#15 Chrysene (C27.41)

R.T.: 14.646 min
Delta R.T.: -0.020 min
Response: 3155452
Conc: 19.13 ug/ml



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

R.T.: 16.145 min
Delta R.T.: -0.019 min
Response: 3209075
Conc: 21.20 ug/ml m



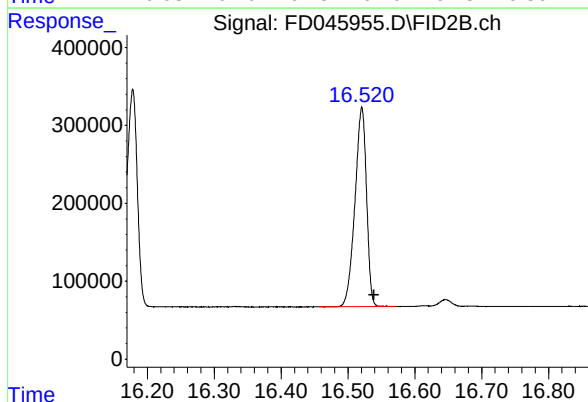
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.178 min
Delta R.T.: -0.019 min
Response: 3155606
Conc: 20.38 ug/ml

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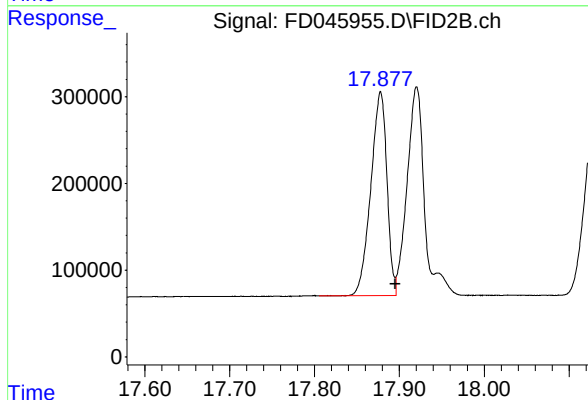
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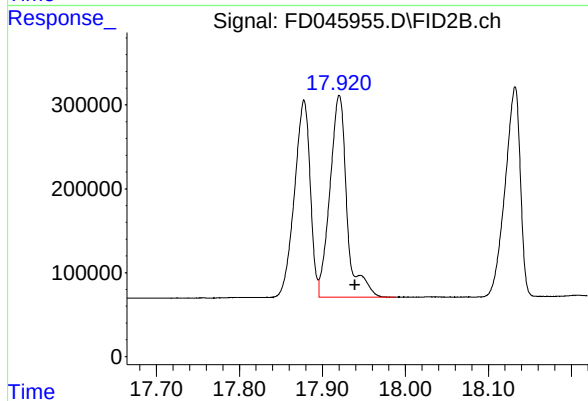
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.521 min
Delta R.T.: -0.019 min
Response: 3078321
Conc: 21.05 ug/ml



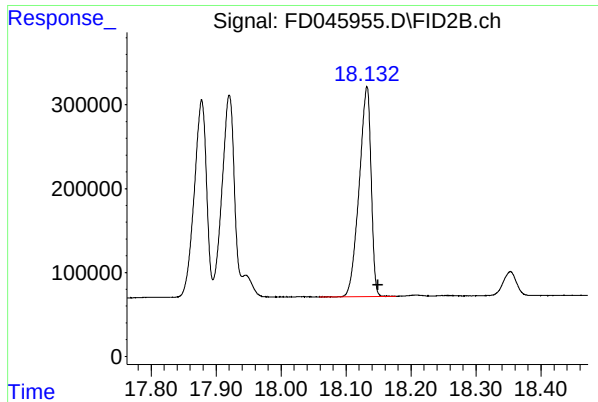
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.878 min
Delta R.T.: -0.017 min
Response: 3096693
Conc: 21.14 ug/ml



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

R.T.: 17.920 min
Delta R.T.: -0.019 min
Response: 3439353
Conc: 22.93 ug/ml



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

R.T.: 18.132 min
Delta R.T.: -0.017 min
Response: 3186896
Conc: 21.60 ug/ml

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