

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD032625AR\
 Data File : FD049195.D
 Signal(s) : FID2B.ch
 Acq On : 26 Mar 2025 12:59
 Operator : YP/AJ
 Sample : 5 PPM AROMATIC HC STD5
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 5 PPM AROMATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/27/2025
 Supervised By :mohammad ahmed 03/28/2025

Integration File: autoint1.e
 Quant Time: Mar 26 13:52:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 032625.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 26 13:50:56 2025
 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...	7.351	900936	4.932 ug/ml
Spiked Amount 50.000		Recovery =	9.86%
6) S 2-Fluorobiphenyl (SURR)	8.236	312518	3.218 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery =	6.44%
11) S ortho-Terphenyl (SURR)	11.211	1062234	5.124 ug/ml
Spiked Amount 50.000		Recovery =	10.25%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.159	938014	4.826 ug/ml
2) T Naphthalene (C11.7)	5.690	930836	4.668 ug/ml
3) T 2-Methylnaphthalene (...)	6.742	906980	4.651 ug/ml
5) T Acenaphthylene (C15.06)	7.993	1082368	5.173 ug/ml
7) T Acenaphthene (C15.5)	8.280	1125865	5.338 ug/ml
8) T Fluorene (C16.55)	9.082	854633	4.404 ug/ml
9) T Phenanthrene (C19.36)	10.466	860614	4.566 ug/ml
10) T Anthracene (C19.43)	10.558	853755	4.536 ug/ml
12) T Fluoranthene (C21.85)	12.275	909104	4.675 ug/ml
13) T Pyrene (C20.8)	12.556	932990	4.775 ug/ml
14) T Benzo[a]anthracene (C...	14.440	495705	3.271 ug/mlm
15) T Chrysene (C27.41)	14.473	1104335	5.333 ug/ml
16) T benzo[b]fluoranthene ...	15.988	638398	4.049 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.027	1225297	5.980 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.404	721315	4.622 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.800	404734	3.627 ug/mlm
20) T Dibenz[a,h]anthracene...	17.864	463078	3.246 ug/mlm
21) T Benzo[g,h,i]perylene ...	17.996	784644	5.256 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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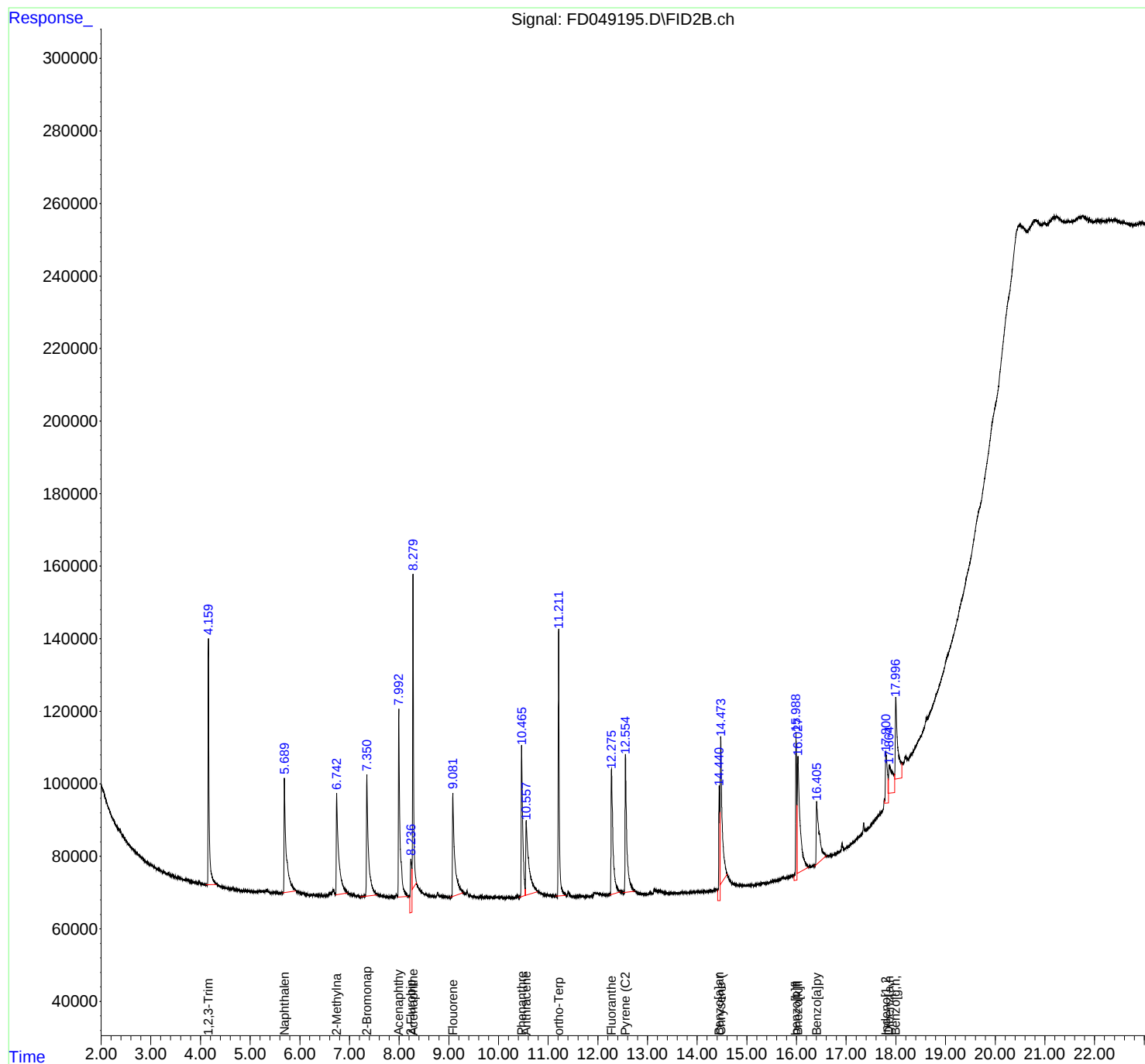
Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

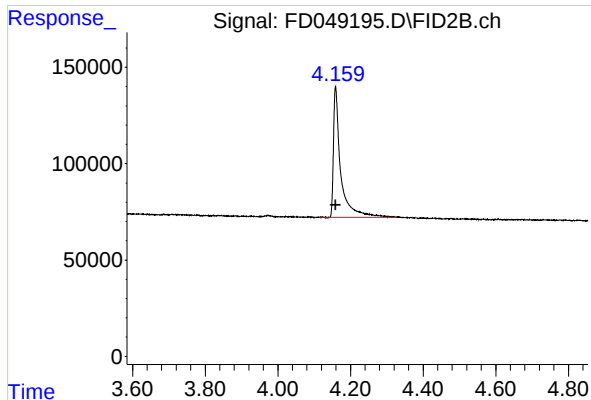
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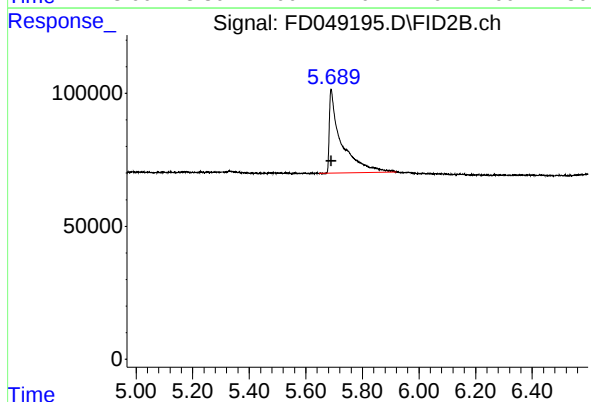
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.159 min
Delta R.T.: 0.000 min
Response: 938014
Conc: 4.83 ug/ml

Instrument :
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5 PPM AROMATIC HC STD5

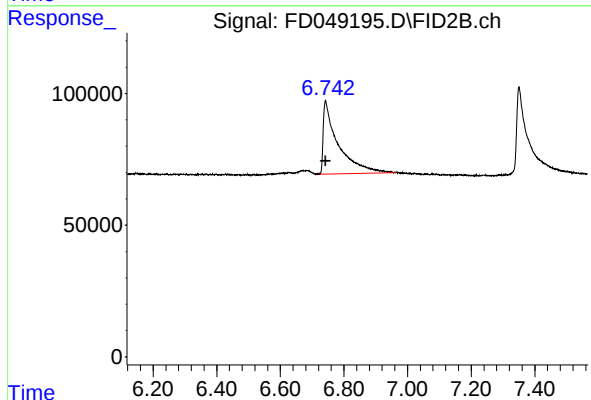
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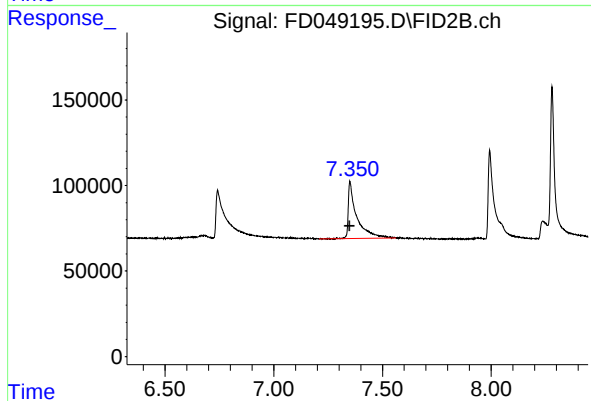
#2 Naphthalene (C11.7)

R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 930836
Conc: 4.67 ug/ml



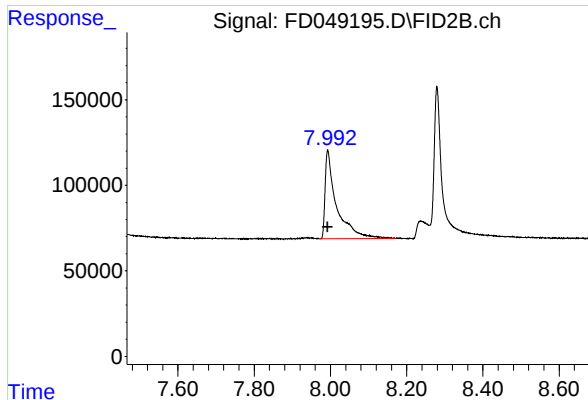
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.742 min
Delta R.T.: 0.000 min
Response: 906980
Conc: 4.65 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.351 min
Delta R.T.: 0.000 min
Response: 900936
Conc: 4.93 ug/ml



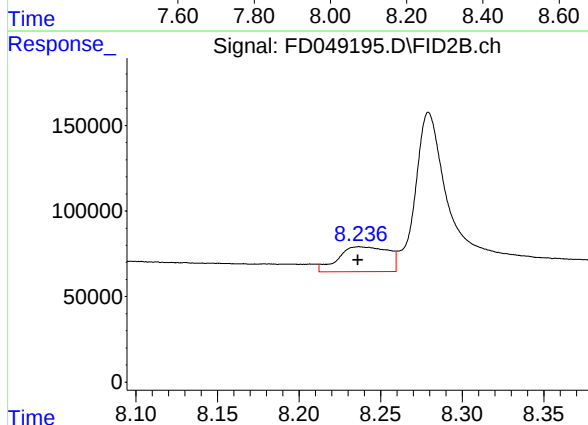
#5 Acenaphthylene (C15.06)

R.T.: 7.993 min
Delta R.T.: 0.000 min
Response: 1082368
Conc: 5.17 ug/ml

Instrument :
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5 PPM AROMATIC HC STD5

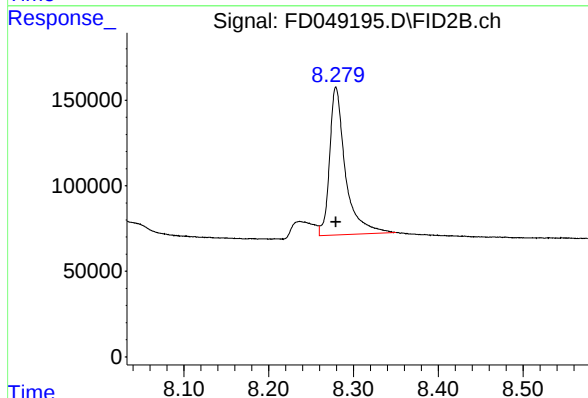
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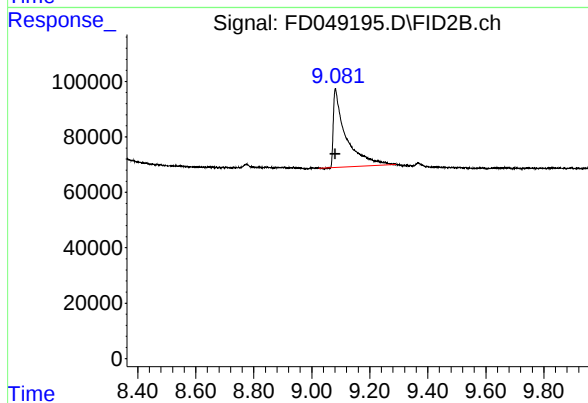
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.236 min
Delta R.T.: 0.000 min
Response: 312518
Conc: 3.22 ug/ml



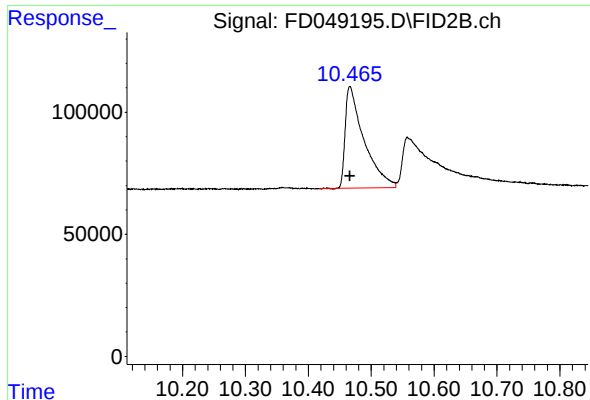
#7 Acenaphthene (C15.5)

R.T.: 8.280 min
Delta R.T.: 0.000 min
Response: 1125865
Conc: 5.34 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.082 min
Delta R.T.: 0.000 min
Response: 854633
Conc: 4.40 ug/ml



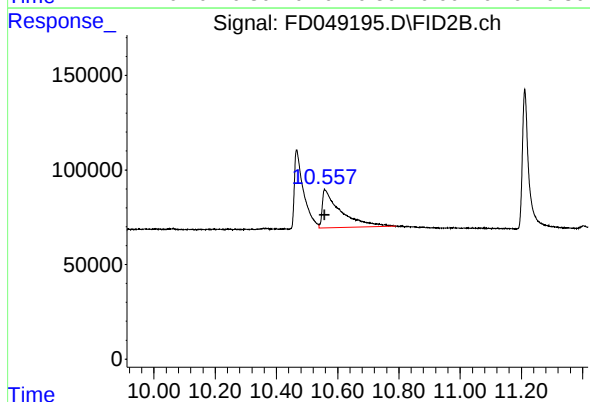
#9 Phenanthrene (C19.36)

R.T.: 10.466 min
Delta R.T.: 0.000 min
Response: 860614
Conc: 4.57 ug/ml

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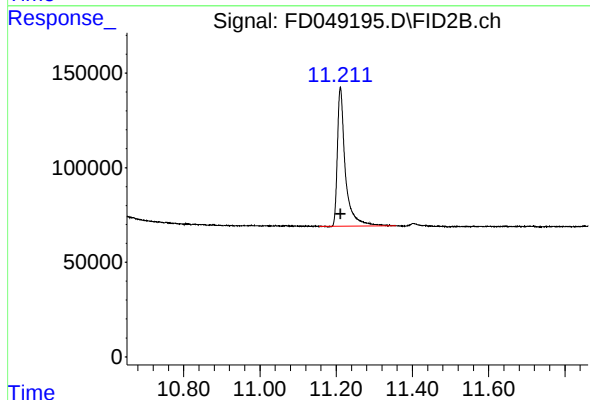
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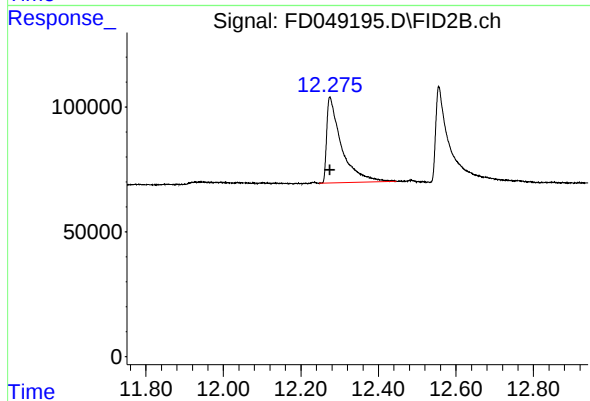
#10 Anthracene (C19.43)

R.T.: 10.558 min
Delta R.T.: 0.000 min
Response: 853755
Conc: 4.54 ug/ml



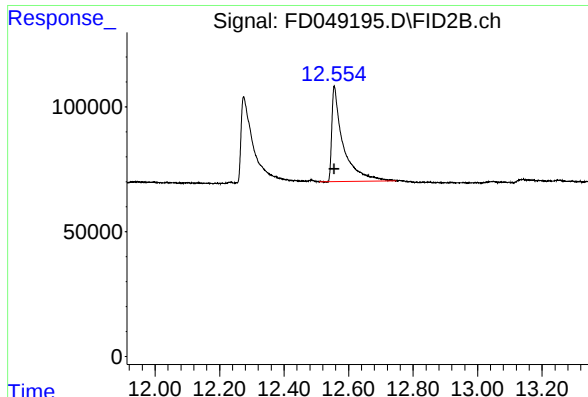
#11 ortho-Terphenyl (SURR)

R.T.: 11.211 min
Delta R.T.: 0.000 min
Response: 1062234
Conc: 5.12 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.275 min
Delta R.T.: 0.000 min
Response: 909104
Conc: 4.67 ug/ml



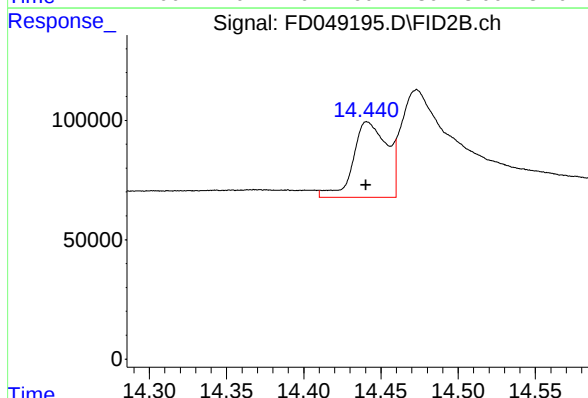
#13 Pyrene (C20.8)

R.T.: 12.556 min
Delta R.T.: 0.000 min
Response: 932990
Conc: 4.77 ug/ml

Instrument :
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5 PPM AROMATIC HC STD5

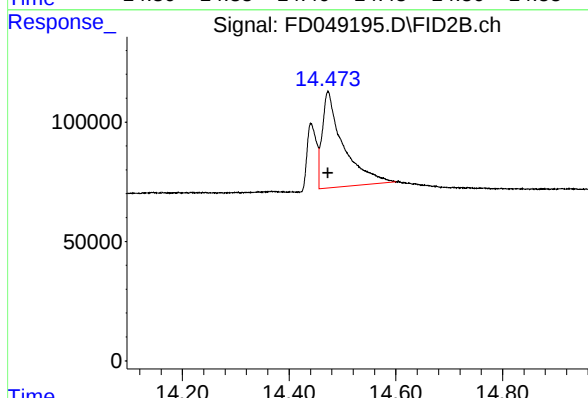
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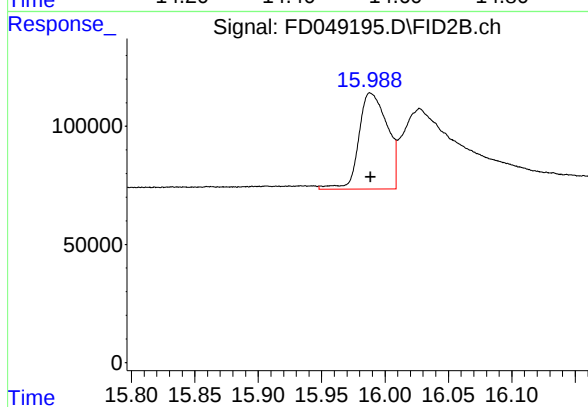
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.440 min
Delta R.T.: 0.000 min
Response: 495705
Conc: 3.27 ug/ml m



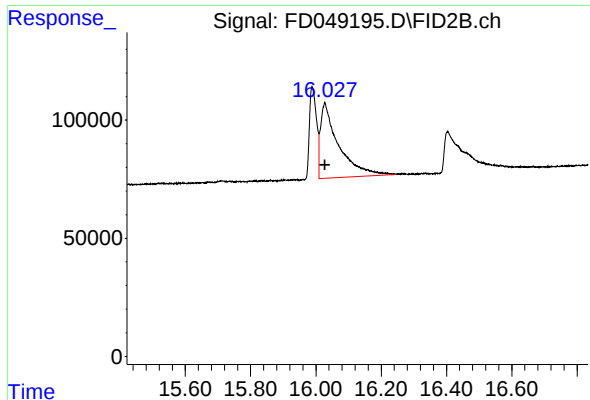
#15 Chrysene (C27.41)

R.T.: 14.473 min
Delta R.T.: 0.000 min
Response: 1104335
Conc: 5.33 ug/ml



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

R.T.: 15.988 min
Delta R.T.: 0.000 min
Response: 638398
Conc: 4.05 ug/ml m



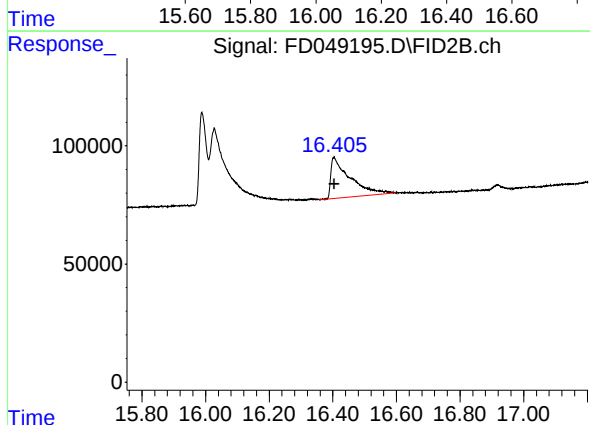
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.027 min
Delta R.T.: 0.000 min
Response: 1225297
Conc: 5.98 ug/ml

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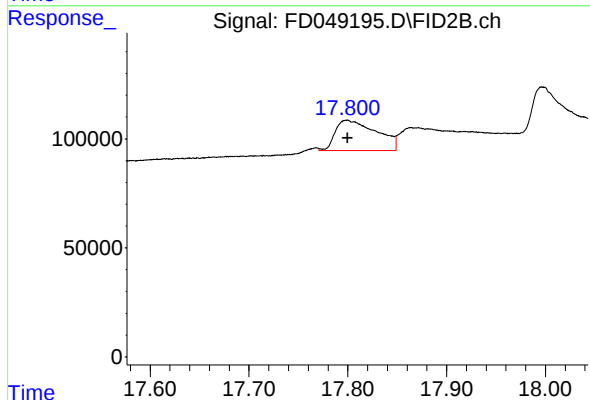
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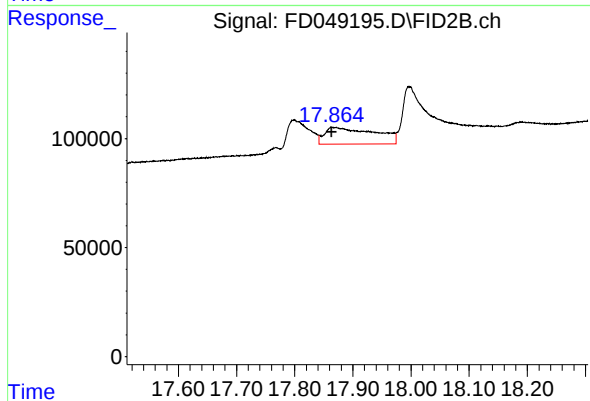
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.404 min
Delta R.T.: -0.001 min
Response: 721315
Conc: 4.62 ug/ml



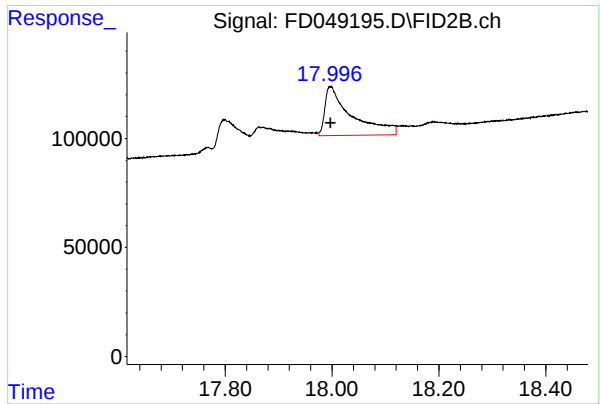
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.800 min
Delta R.T.: 0.000 min
Response: 404734
Conc: 3.63 ug/ml m



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

R.T.: 17.864 min
Delta R.T.: 0.000 min
Response: 463078
Conc: 3.25 ug/ml m



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

R.T.: 17.996 min
Delta R.T.: -0.002 min
Response: 784644
Conc: 5.26 ug/ml

Instrument :

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