

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD032625AR\
 Data File : FD049194.D
 Signal(s) : FID2B.ch
 Acq On : 26 Mar 2025 12:21
 Operator : YP/AJ
 Sample : 10 PPM AROMATIC HC STD4
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 10 PPM AROMATIC HC STD4

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 13:23:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 032625.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 26 13:15:41 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...	7.337	1803279	9.785 ug/ml
Spiked Amount 50.000		Recovery =	19.57%
6) S 2-Fluorobiphenyl (SURR)	8.193	842578	7.569 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery =	15.14%
11) S ortho-Terphenyl (SURR)	11.210	2101564	10.270 ug/ml
Spiked Amount 50.000		Recovery =	20.54%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.156	1899196	9.588 ug/ml
2) T Naphthalene (C11.7)	5.678	1973052	9.645 ug/ml
3) T 2-Methylnaphthalene (...)	6.725	1910279	9.509 ug/ml
5) T Acenaphthylene (C15.06)	7.984	2085279	10.072 ug/ml
7) T Acenaphthene (C15.5)	8.273	2162646	10.580 ug/ml
8) T Fluorene (C16.55)	9.062	1901065	9.362 ug/ml
9) T Phenanthrene (C19.36)	10.446	1834153	9.376 ug/ml
10) T Anthracene (C19.43)	10.529	1923517	9.984 ug/ml
12) T Fluoranthene (C21.85)	12.253	1959025	9.884 ug/ml
13) T Pyrene (C20.8)	12.542	1951679	9.836 ug/ml
14) T Benzo[a]anthracene (C...	14.413	1312629	7.426 ug/mlm
15) T Chrysene (C27.41)	14.452	2233734	11.633 ug/ml
16) T benzo[b]fluoranthene ...	15.961	1435865	8.175 ug/ml
17) T Bnezo[k]fluoranthene ...	15.996	2317926	12.369 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.360	1519461	9.364 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.737	1068672	8.592 ug/mlm
20) T Dibenz[a,h]anthracene...	17.794	1495633	9.567 ug/mlm
21) T Benzo[g,h,i]perylene ...	17.964	1592311	9.955 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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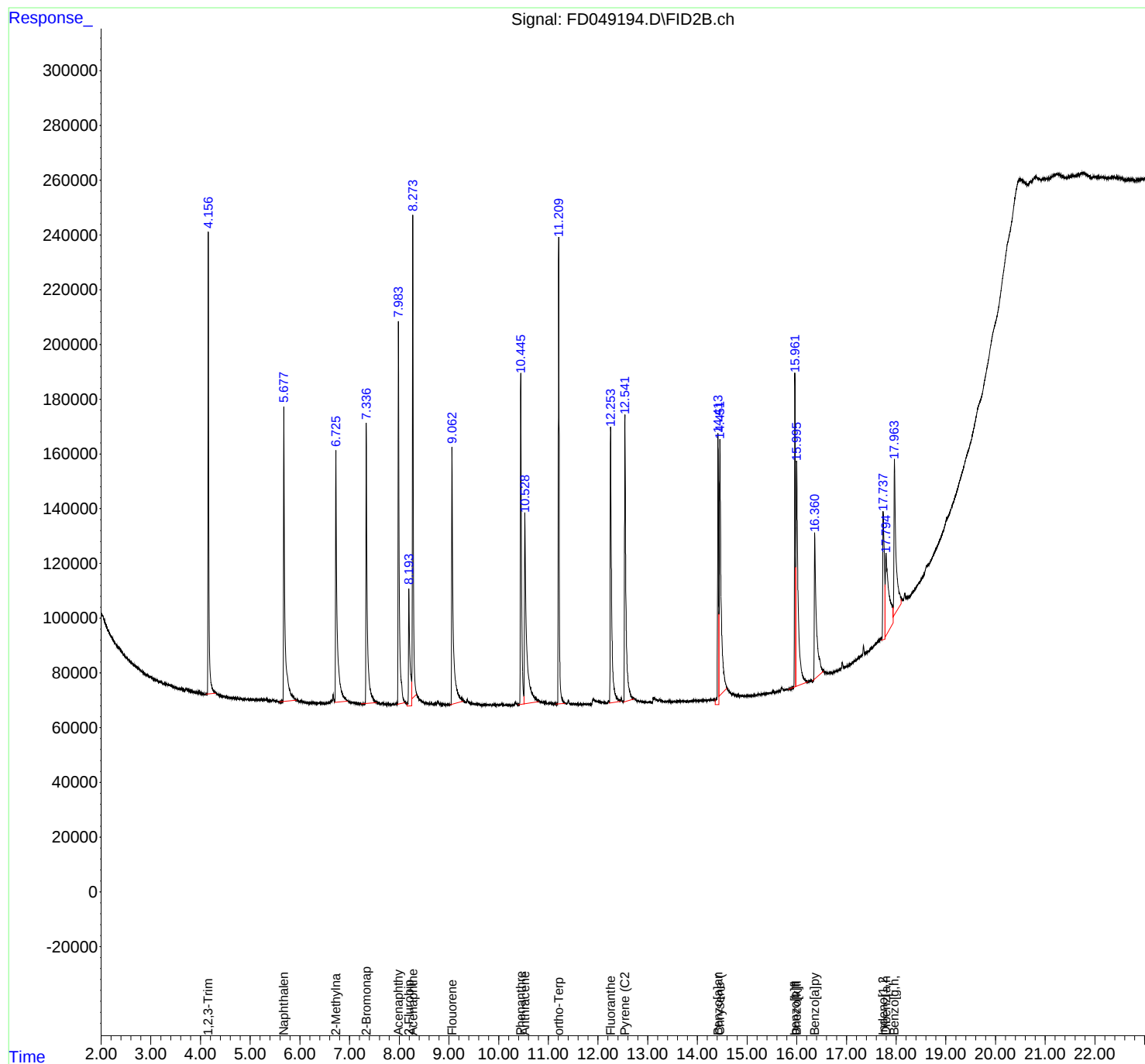
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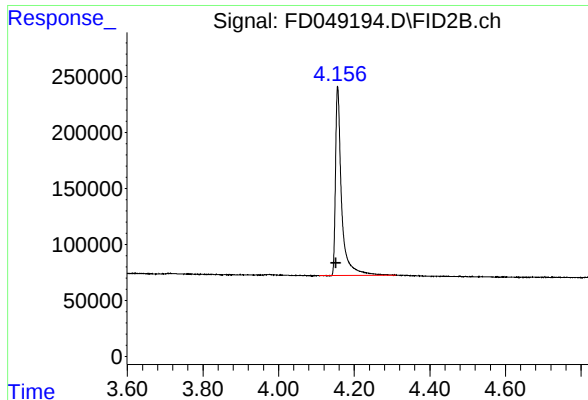
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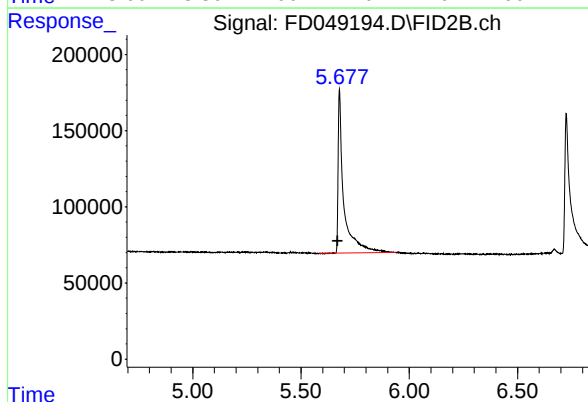
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.156 min
Delta R.T.: 0.004 min
Response: 1899196
Conc: 9.59 ug/ml

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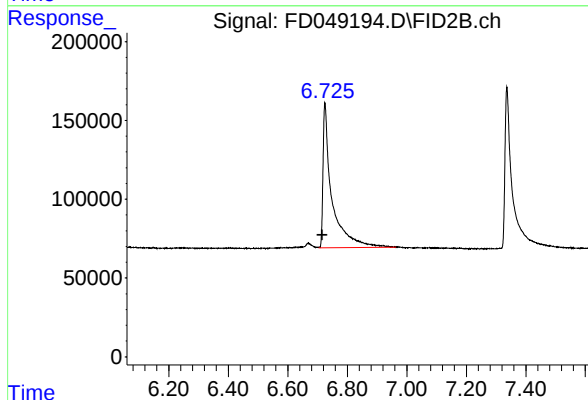
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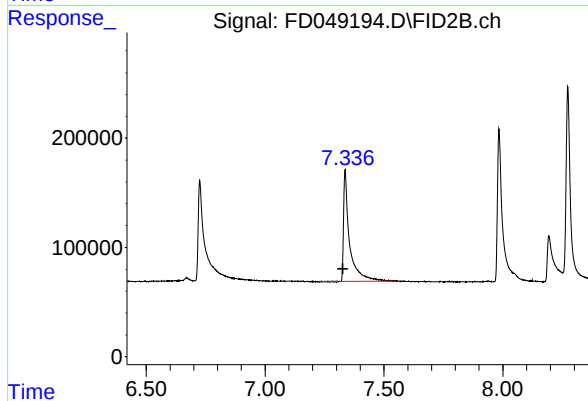
#2 Naphthalene (C11.7)

R.T.: 5.678 min
Delta R.T.: 0.008 min
Response: 1973052
Conc: 9.65 ug/ml



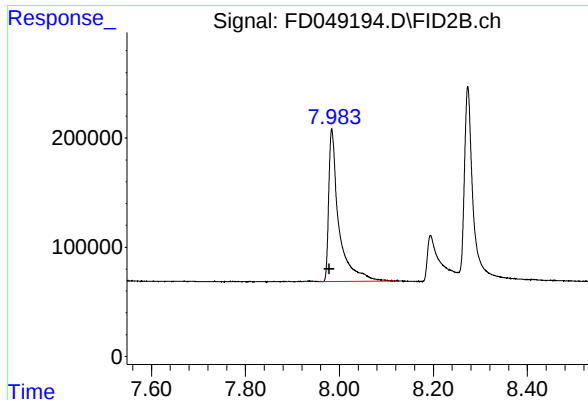
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.725 min
Delta R.T.: 0.009 min
Response: 1910279
Conc: 9.51 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.337 min
Delta R.T.: 0.008 min
Response: 1803279
Conc: 9.78 ug/ml



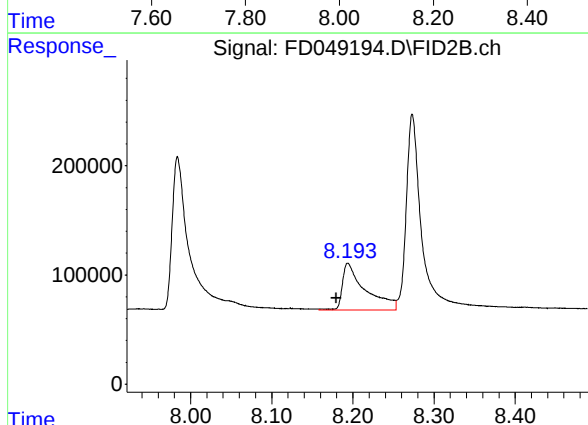
#5 Acenaphthylene (C15.06)

R.T.: 7.984 min
Delta R.T.: 0.006 min
Response: 2085279
Conc: 10.07 ug/ml

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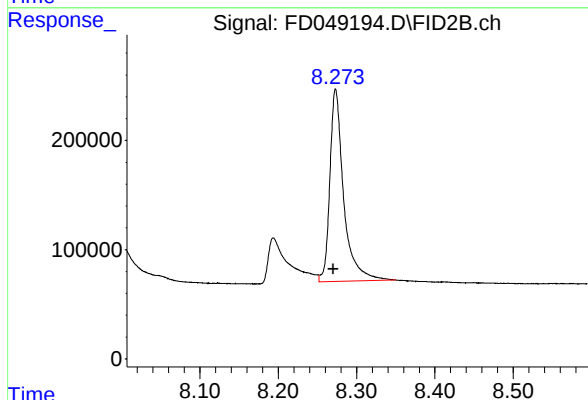
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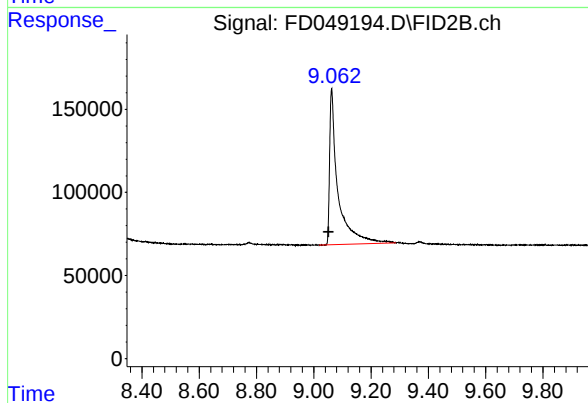
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.193 min
Delta R.T.: 0.014 min
Response: 842578
Conc: 7.57 ug/ml



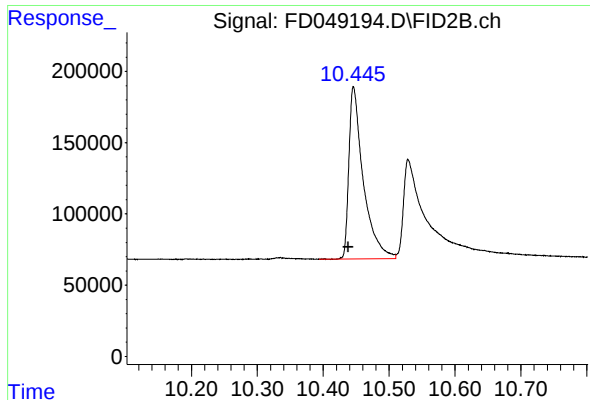
#7 Acenaphthene (C15.5)

R.T.: 8.273 min
Delta R.T.: 0.003 min
Response: 2162646
Conc: 10.58 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.062 min
Delta R.T.: 0.011 min
Response: 1901065
Conc: 9.36 ug/ml



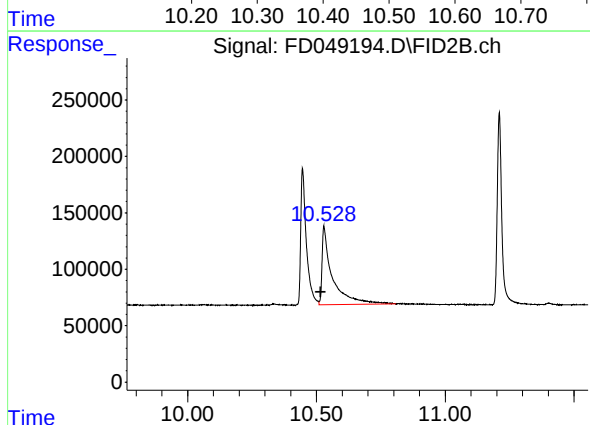
#9 Phenanthrene (C19.36)

R.T.: 10.446 min
Delta R.T.: 0.008 min
Response: 1834153
Conc: 9.38 ug/ml

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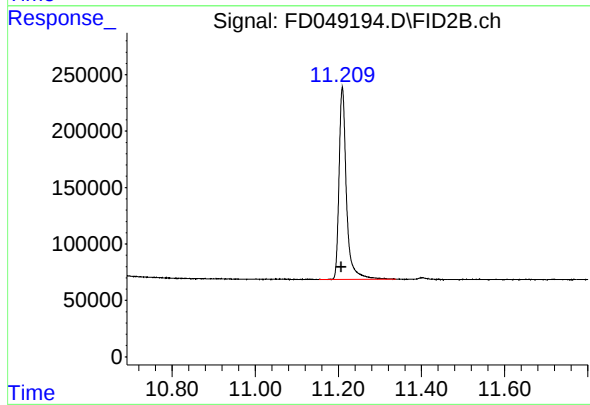
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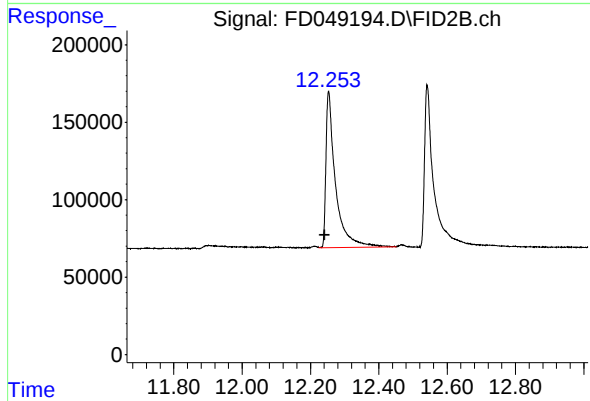
#10 Anthracene (C19.43)

R.T.: 10.529 min
Delta R.T.: 0.013 min
Response: 1923517
Conc: 9.98 ug/ml



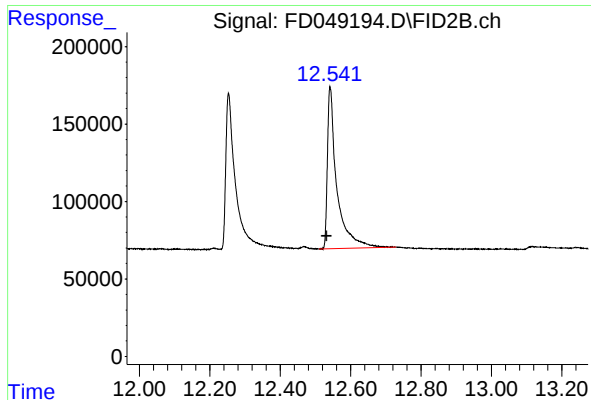
#11 ortho-Terphenyl (SURR)

R.T.: 11.210 min
Delta R.T.: 0.003 min
Response: 2101564
Conc: 10.27 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.253 min
Delta R.T.: 0.012 min
Response: 1959025
Conc: 9.88 ug/ml



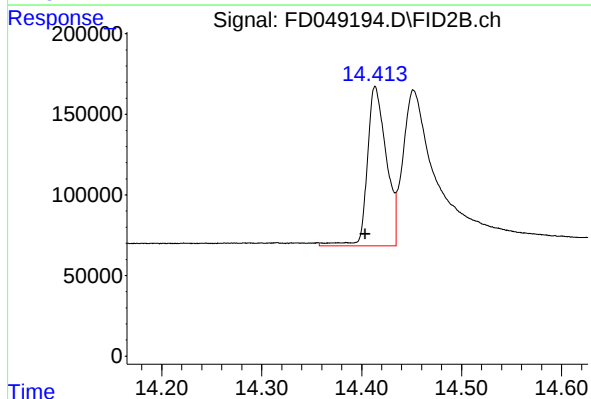
#13 Pyrene (C20.8)

R.T.: 12.542 min
Delta R.T.: 0.009 min
Response: 1951679
Conc: 9.84 ug/ml

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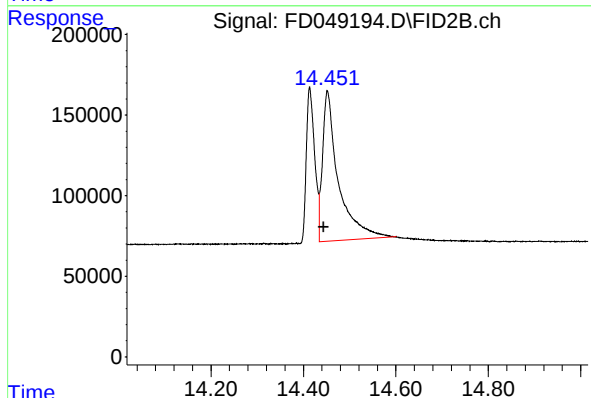
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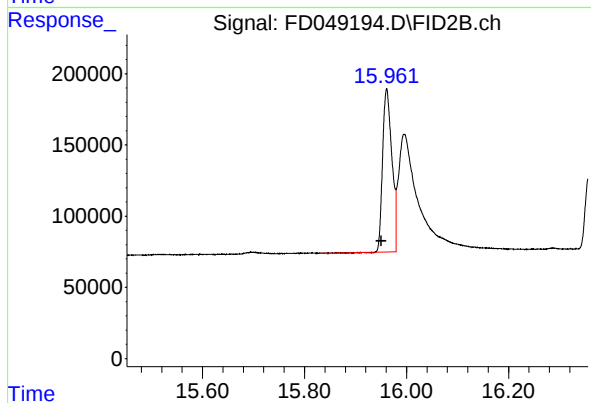
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.413 min
Delta R.T.: 0.010 min
Response: 1312629
Conc: 7.43 ug/ml m



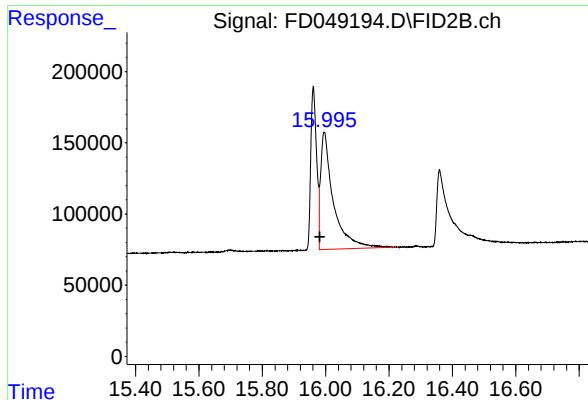
#15 Chrysene (C27.41)

R.T.: 14.452 min
Delta R.T.: 0.008 min
Response: 2233734
Conc: 11.63 ug/ml



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

R.T.: 15.961 min
Delta R.T.: 0.011 min
Response: 1435865
Conc: 8.17 ug/ml



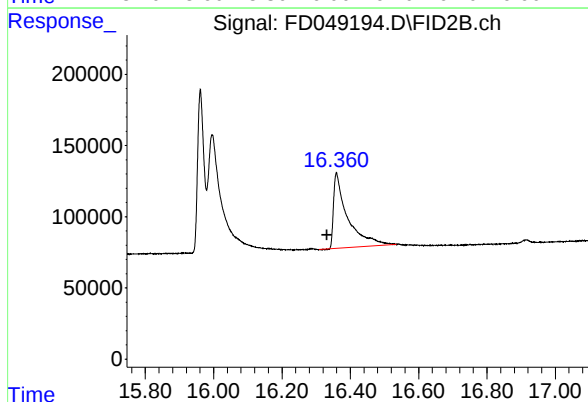
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 15.996 min
Delta R.T.: 0.013 min
Response: 2317926
Conc: 12.37 ug/ml

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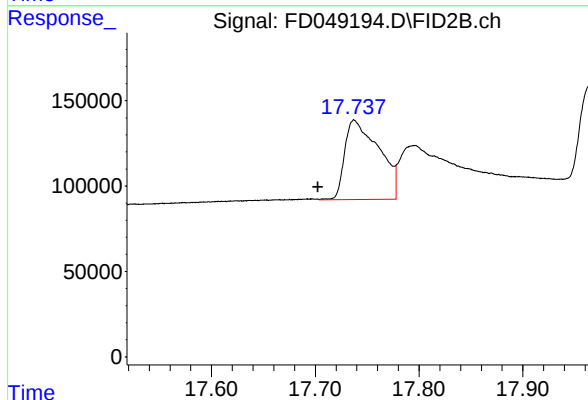
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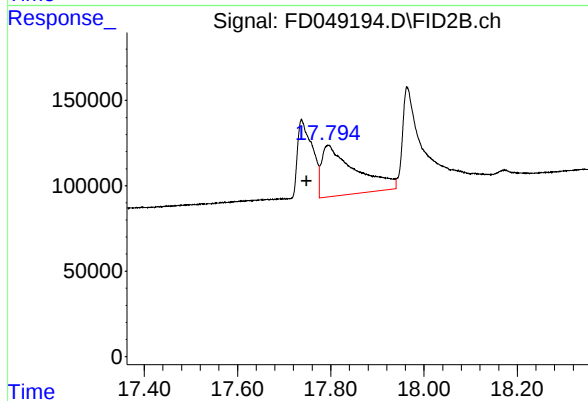
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.360 min
Delta R.T.: 0.027 min
Response: 1519461
Conc: 9.36 ug/ml



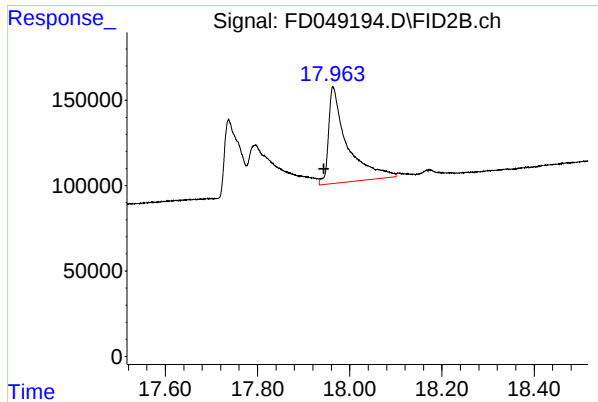
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.737 min
Delta R.T.: 0.034 min
Response: 1068672
Conc: 8.59 ug/ml m



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

R.T.: 17.794 min
Delta R.T.: 0.046 min
Response: 1495633
Conc: 9.57 ug/ml m



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

R.T.: 17.964 min
Delta R.T.: 0.020 min
Response: 1592311
Conc: 9.95 ug/ml

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