

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD030725AR\
 Data File : FD049172.D
 Signal(s) : FID2B.ch
 Acq On : 06 Mar 2025 11:28
 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 03/10/2025
 Supervised By :Ankita Jodhani 03/10/2025

Integration File: autoint1.e
 Quant Time: Mar 10 02:36:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 030725.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 10 02:34:33 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...	7.358	1503728	10.012 ug/ml
Spiked Amount 50.000		Recovery =	20.02%
6) S 2-Fluorobiphenyl (SURR)	8.219	702504	8.238 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	16.48%
11) S ortho-Terphenyl (SURR)	11.235	1755139	10.240 ug/ml
Spiked Amount 50.000		Recovery =	20.48%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.178	1637054	9.967 ug/ml
2) T Naphthalene (C11.7)	5.699	1627374	9.799 ug/ml
3) T 2-Methylnaphthalene (...)	6.747	1622778	9.839 ug/ml
5) T Acenaphthylene (C15.06)	8.008	1735802	10.216 ug/ml
7) T Acenaphthene (C15.5)	8.297	1916580	10.819 ug/ml
8) T Fluorene (C16.55)	9.085	1580290	9.713 ug/ml
9) T Phenanthrene (C19.36)	10.471	1532376	9.754 ug/ml
10) T Anthracene (C19.43)	10.553	1521387	9.894 ug/ml
12) T Fluoranthene (C21.85)	12.280	1581844	9.782 ug/ml
13) T Pyrene (C20.8)	12.569	1595552	10.103 ug/ml
14) T Benzo[a]anthracene (C...	14.443	922184	7.207 ug/ml
15) T Chrysene (C27.41)	14.480	1724329	11.027 ug/mlm
16) T benzo[b]fluoranthene ...	15.989	1149787	8.357 ug/ml
17) T Bnezo[k]fluoranthene ...	16.024	1578763	10.074 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.383	1267720	9.294 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.759	818938	9.114 ug/mlm
20) T Dibenz[a,h]anthracene...	17.806	1327218	8.568 ug/mlm
21) T Benzo[g,h,i]perylene ...	17.992	1145738	8.894 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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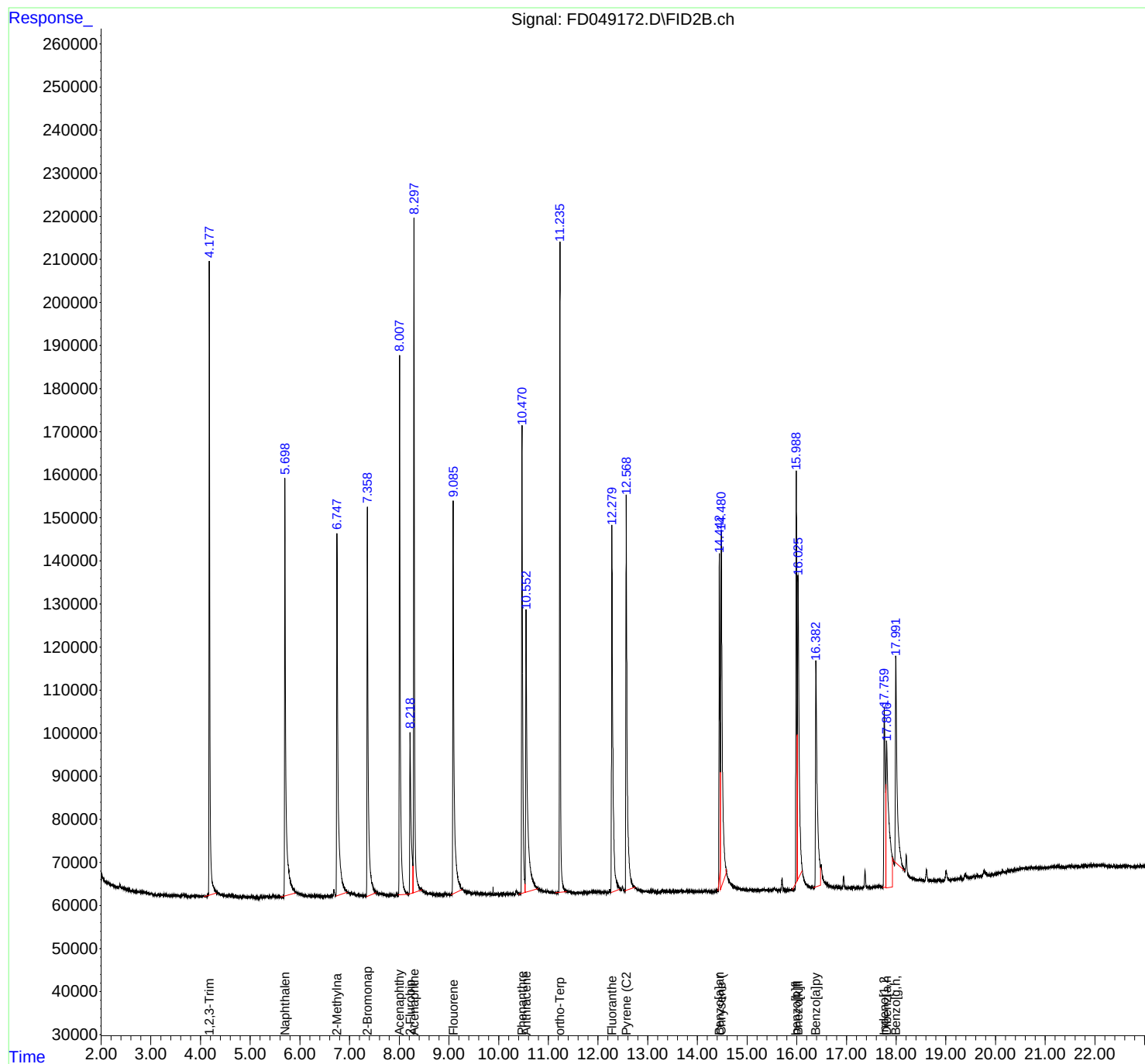
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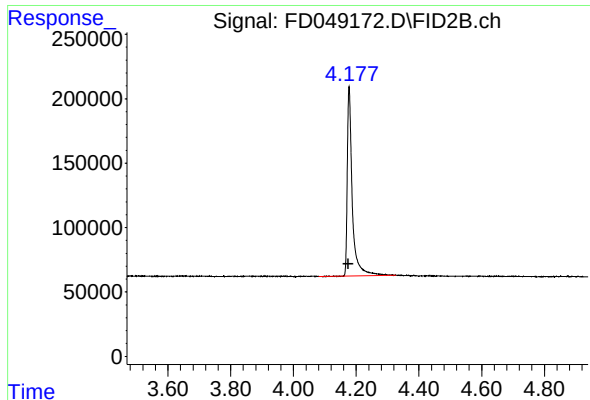
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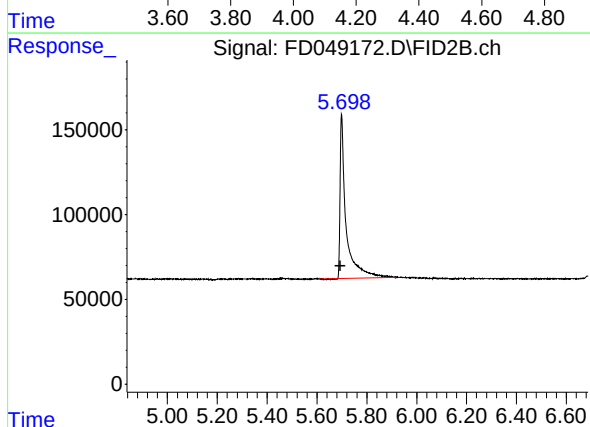
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.178 min
Delta R.T.: 0.003 min
Response: 1637054
Conc: 9.97 ug/ml

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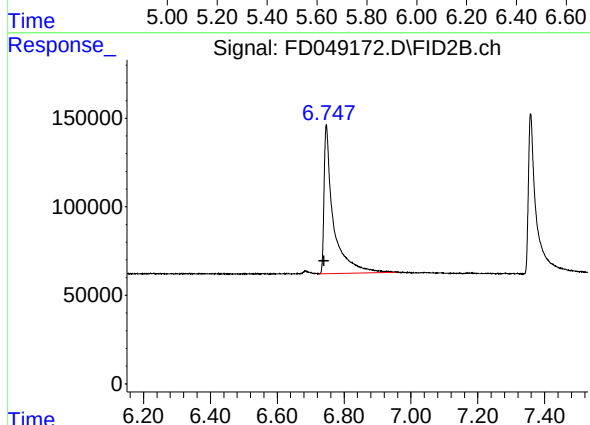
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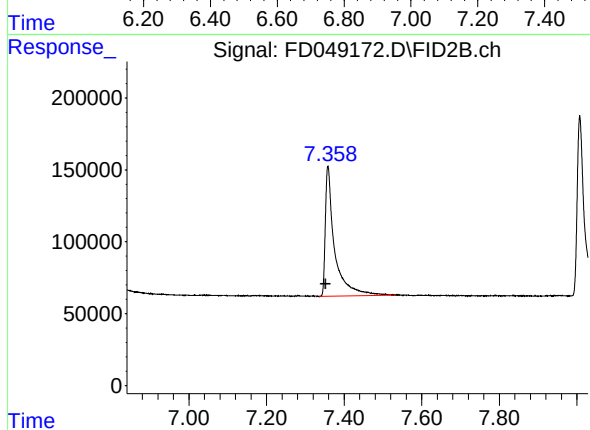
#2 Naphthalene (C11.7)

R.T.: 5.699 min
Delta R.T.: 0.005 min
Response: 1627374
Conc: 9.80 ug/ml



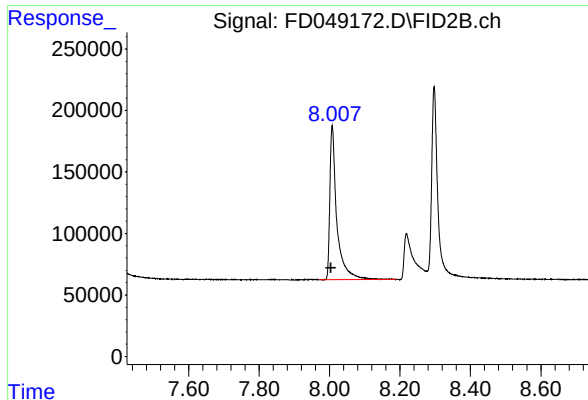
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.747 min
Delta R.T.: 0.007 min
Response: 1622778
Conc: 9.84 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.358 min
Delta R.T.: 0.006 min
Response: 1503728
Conc: 10.01 ug/ml



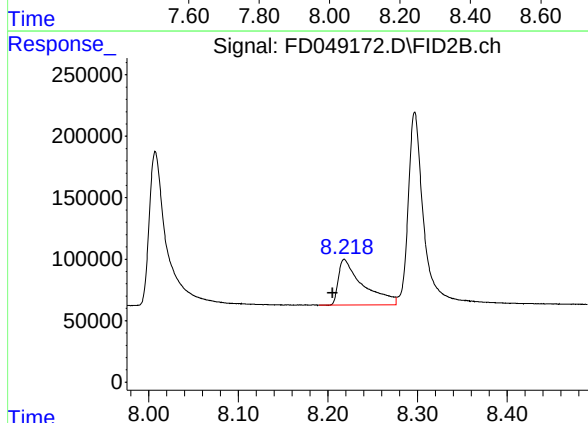
#5 Acenaphthylene (C15.06)

R.T.: 8.008 min
Delta R.T.: 0.004 min
Response: 1735802
Conc: 10.22 ug/ml

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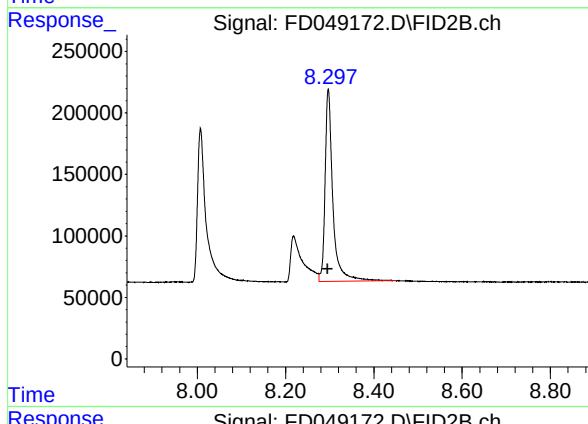
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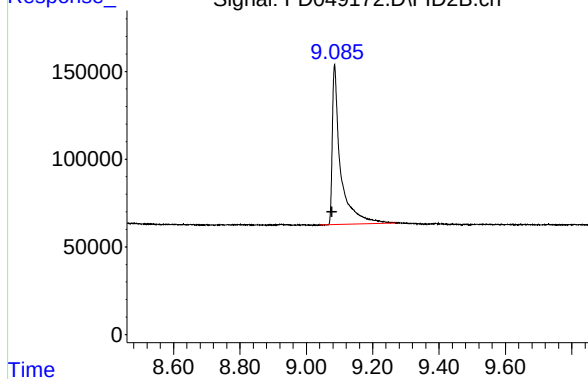
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.219 min
Delta R.T.: 0.013 min
Response: 702504
Conc: 8.24 ug/ml



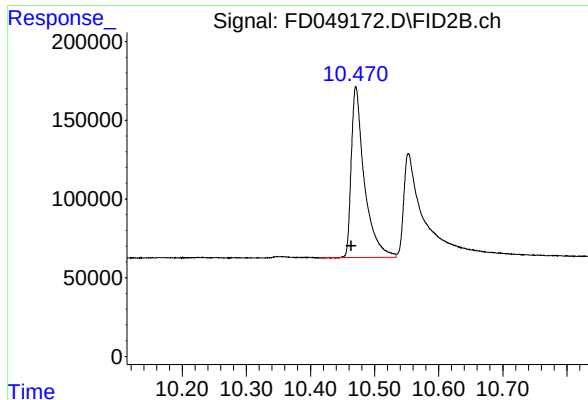
#7 Acenaphthene (C15.5)

R.T.: 8.297 min
Delta R.T.: 0.001 min
Response: 1916580
Conc: 10.82 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.085 min
Delta R.T.: 0.008 min
Response: 1580290
Conc: 9.71 ug/ml



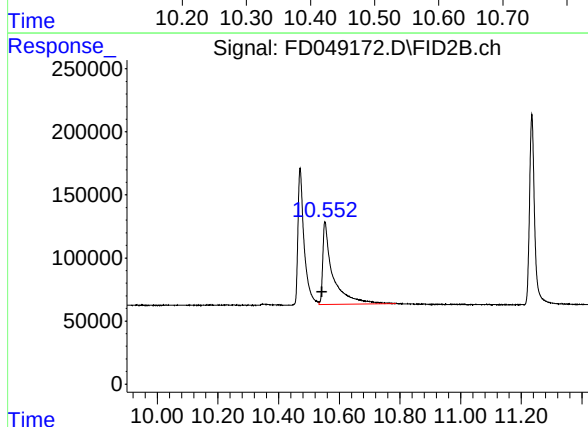
#9 Phenanthrene (C19.36)

R.T.: 10.471 min
Delta R.T.: 0.007 min
Response: 1532376
Conc: 9.75 ug/ml

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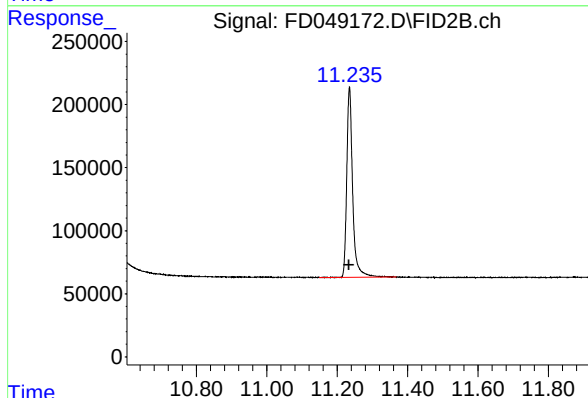
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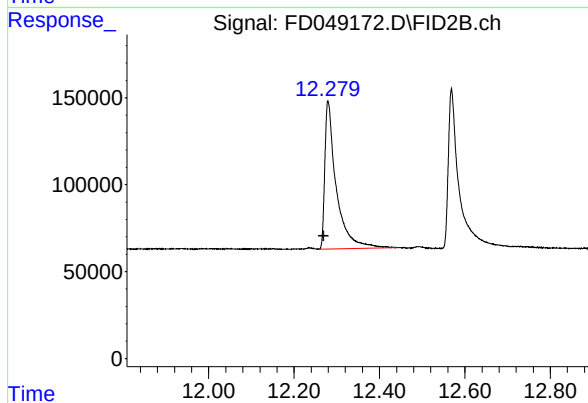
#10 Anthracene (C19.43)

R.T.: 10.553 min
Delta R.T.: 0.010 min
Response: 1521387
Conc: 9.89 ug/ml



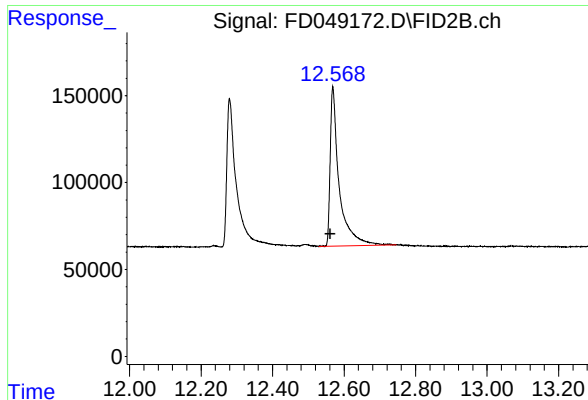
#11 ortho-Terphenyl (SURR)

R.T.: 11.235 min
Delta R.T.: 0.002 min
Response: 1755139
Conc: 10.24 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.280 min
Delta R.T.: 0.011 min
Response: 1581844
Conc: 9.78 ug/ml



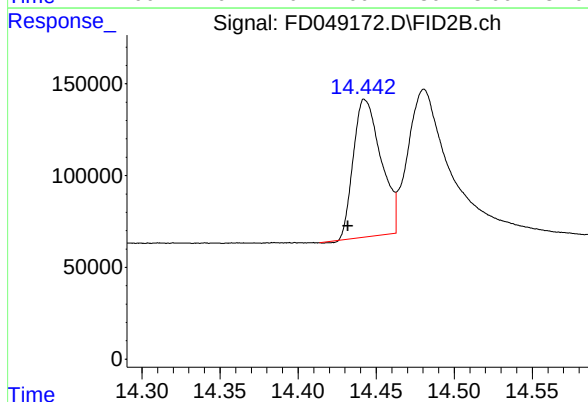
#13 Pyrene (C20.8)

R.T.: 12.569 min
Delta R.T.: 0.008 min
Response: 1595552
Conc: 10.10 ug/ml

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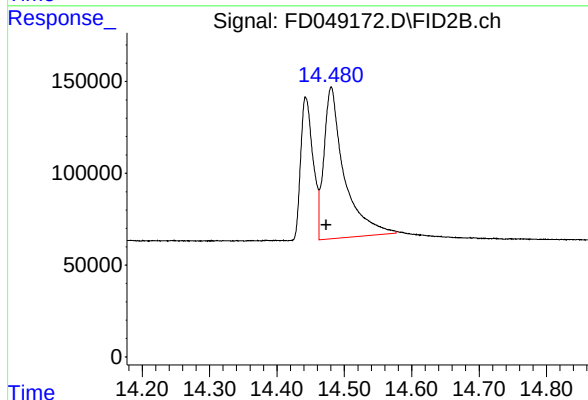
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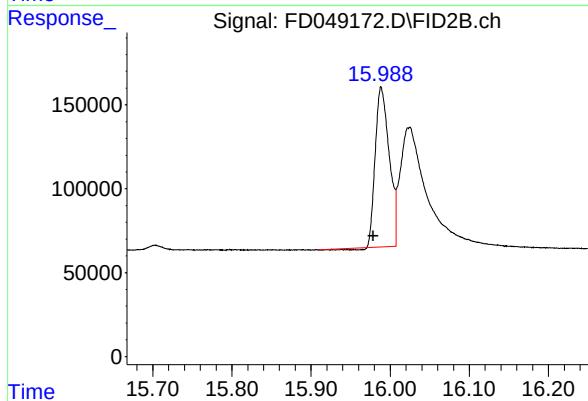
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.443 min
Delta R.T.: 0.011 min
Response: 922184
Conc: 7.21 ug/ml



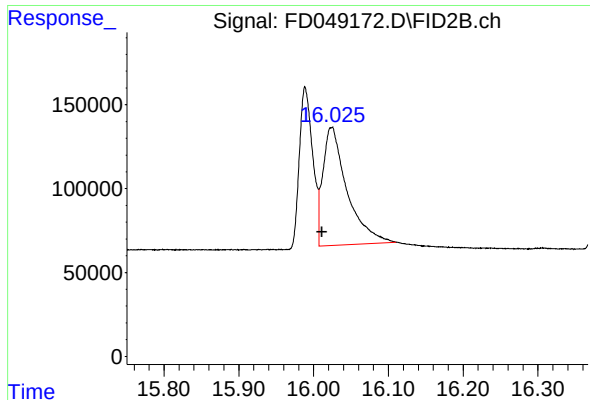
#15 Chrysene (C27.41)

R.T.: 14.480 min
Delta R.T.: 0.007 min
Response: 1724329
Conc: 11.03 ug/ml m



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

R.T.: 15.989 min
Delta R.T.: 0.010 min
Response: 1149787
Conc: 8.36 ug/ml



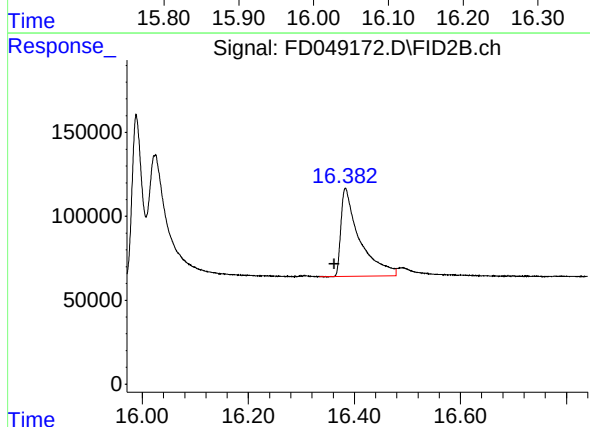
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.024 min
Delta R.T.: 0.013 min
Response: 1578763
Conc: 10.07 ug/ml

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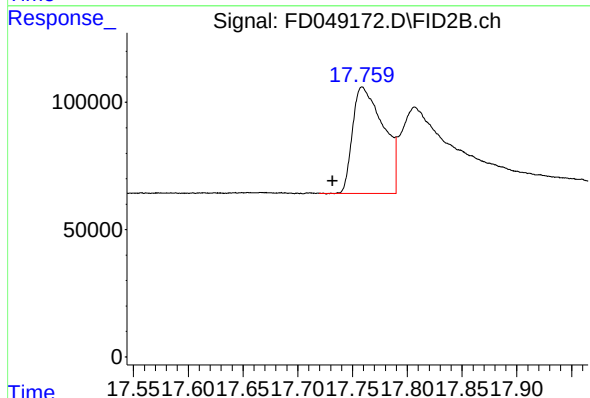
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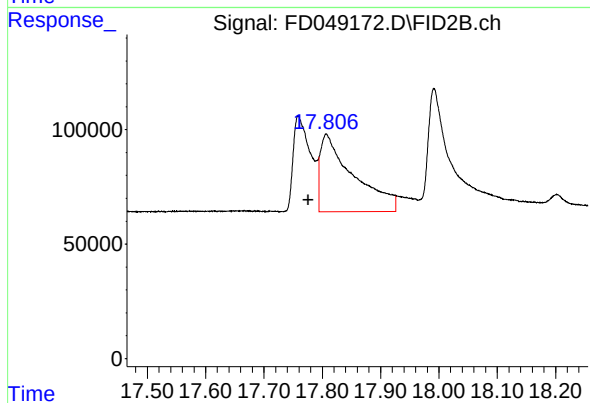
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.383 min
Delta R.T.: 0.021 min
Response: 1267720
Conc: 9.29 ug/ml



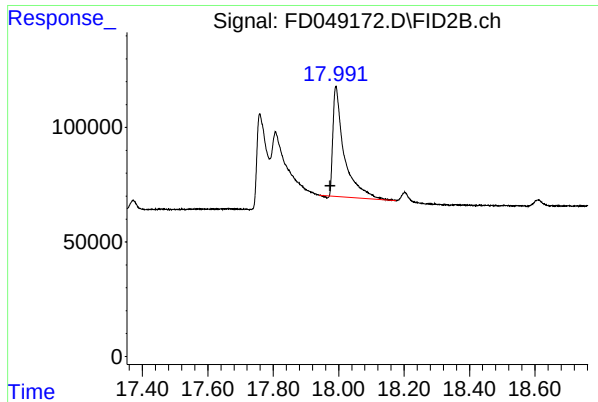
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.759 min
Delta R.T.: 0.027 min
Response: 818938
Conc: 9.11 ug/ml m



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

R.T.: 17.806 min
Delta R.T.: 0.030 min
Response: 1327218
Conc: 8.57 ug/ml m



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

R.T.: 17.992 min
Delta R.T.: 0.017 min
Response: 1145738
Conc: 8.89 ug/ml

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