

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AR\
 Data File : FD048454.D
 Signal(s) : FID2B.ch
 Acq On : 11 Oct 2024 12:04
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/14/2024
 Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e
 Quant Time: Oct 14 04:57:26 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 30 14:17:34 2024
 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...	7.378	3054808	18.450 ug/ml
Spiked Amount 50.000		Recovery =	36.90%
6) S 2-Fluorobiphenyl (SURR)	8.229	1947484	18.779 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	37.56%
11) S ortho-Terphenyl (SURR)	11.263	3391724	18.434 ug/ml
Spiked Amount 50.000		Recovery =	36.87%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.200	3458216	19.732 ug/ml
2) T Naphthalene (C11.7)	5.718	3589627	19.225 ug/ml
3) T 2-Methylnaphthalene (...)	6.766	3610698	19.105 ug/ml
5) T Acenaphthylene (C15.06)	8.031	3507941	18.286 ug/ml
7) T Acenaphthene (C15.5)	8.325	3574661	18.898 ug/ml
8) T Fluorene (C16.55)	9.104	3360456	18.600 ug/ml
9) T Phenanthrene (C19.36)	10.490	3306422	18.656 ug/ml
10) T Anthracene (C19.43)	10.566	3234253	18.176 ug/ml
12) T Fluoranthene (C21.85)	12.294	3277781	18.122 ug/ml
13) T Pyrene (C20.8)	12.587	3223655	18.002 ug/ml
14) T Benzo[a]anthracene (C...	14.454	2906032	18.184 ug/ml
15) T Chrysene (C27.41)	14.495	3285719	17.615 ug/ml
16) T benzo[b]fluoranthene ...	16.000	2960470	17.776 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.032	3014106	17.756 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.376	2930075	17.927 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.740	2351761	17.879 ug/ml
20) T Dibenz[a,h]anthracene...	17.781	3074031	18.371 ug/ml
21) T Benzo[g,h,i]perylene ...	17.989	2988298	18.398 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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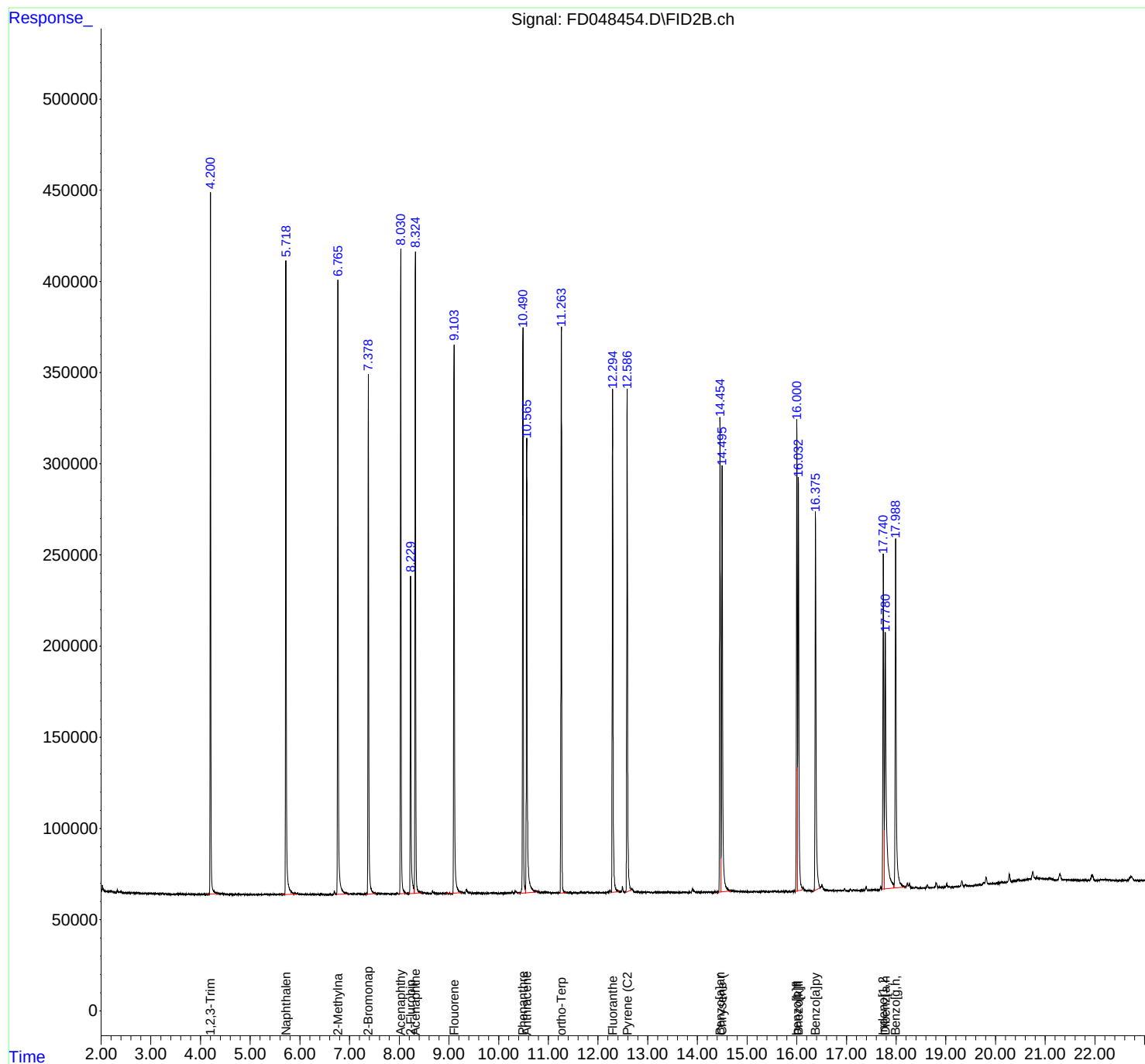
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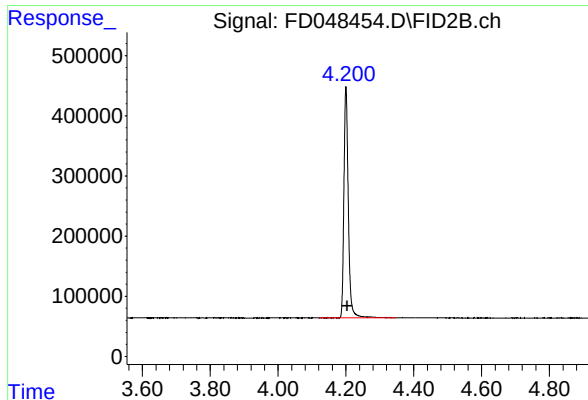
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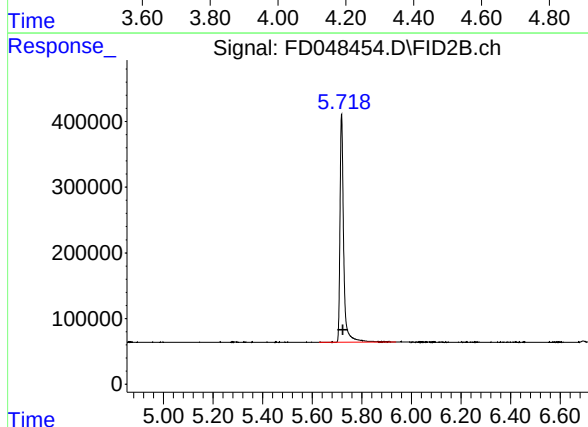
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.200 min
Delta R.T.: -0.004 min
Response: 3458216
Conc: 19.73 ug/ml

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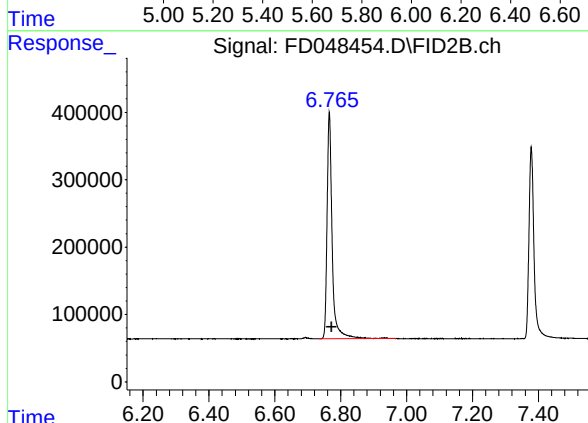
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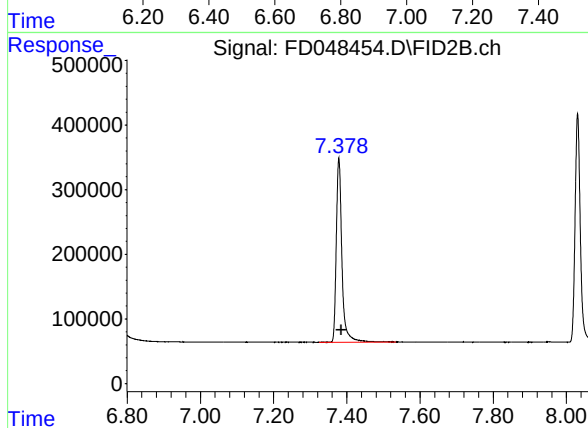
#2 Naphthalene (C11.7)

R.T.: 5.718 min
Delta R.T.: -0.006 min
Response: 3589627
Conc: 19.23 ug/ml



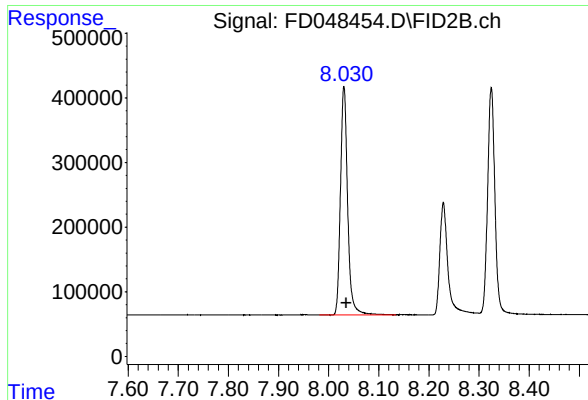
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.766 min
Delta R.T.: -0.006 min
Response: 3610698
Conc: 19.11 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.378 min
Delta R.T.: -0.006 min
Response: 3054808
Conc: 18.45 ug/ml



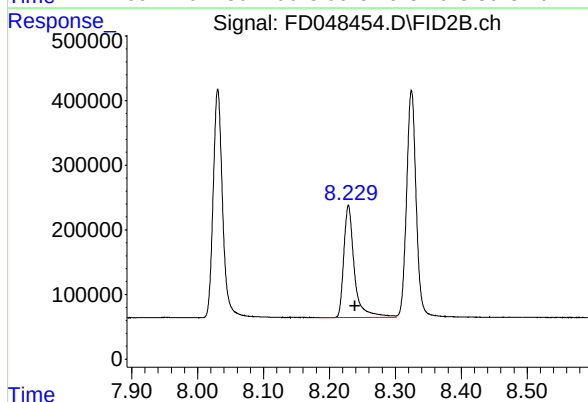
#5 Acenaphthylene (C15.06)

R.T.: 8.031 min
Delta R.T.: -0.005 min
Response: 3507941
Conc: 18.29 ug/ml

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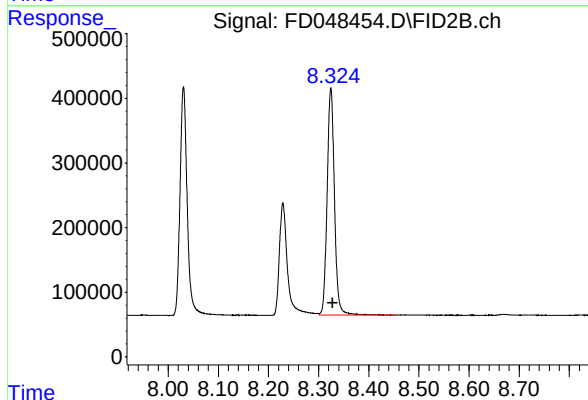
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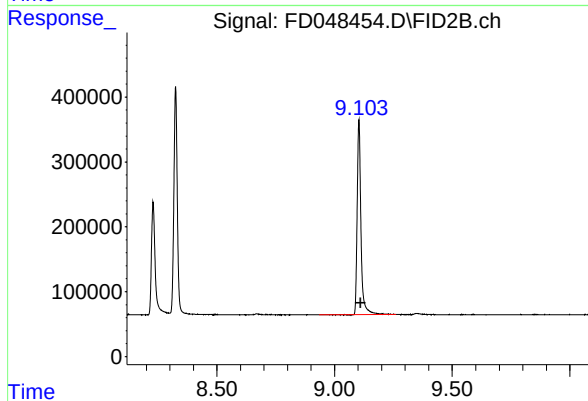
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.229 min
Delta R.T.: -0.010 min
Response: 1947484
Conc: 18.78 ug/ml



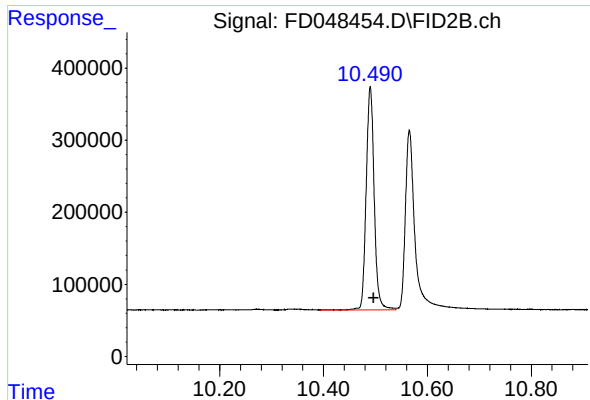
#7 Acenaphthene (C15.5)

R.T.: 8.325 min
Delta R.T.: -0.003 min
Response: 3574661
Conc: 18.90 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.104 min
Delta R.T.: -0.007 min
Response: 3360456
Conc: 18.60 ug/ml



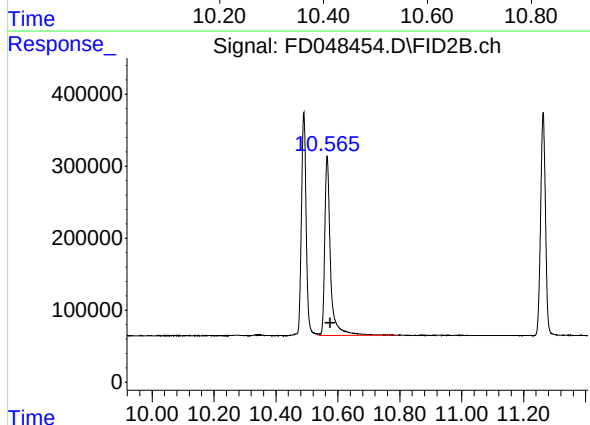
#9 Phenanthrene (C19.36)

R.T.: 10.490 min
Delta R.T.: -0.007 min
Response: 3306422
Conc: 18.66 ug/ml

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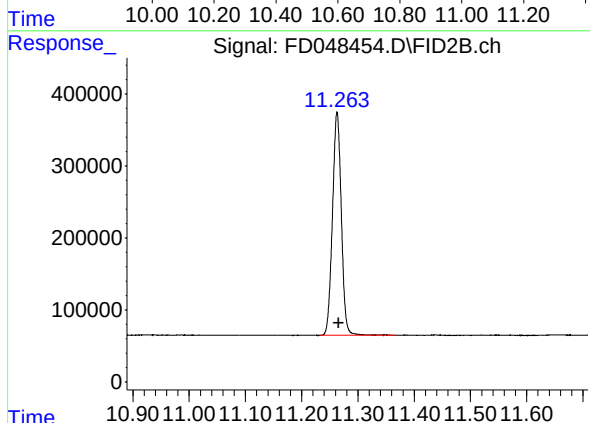
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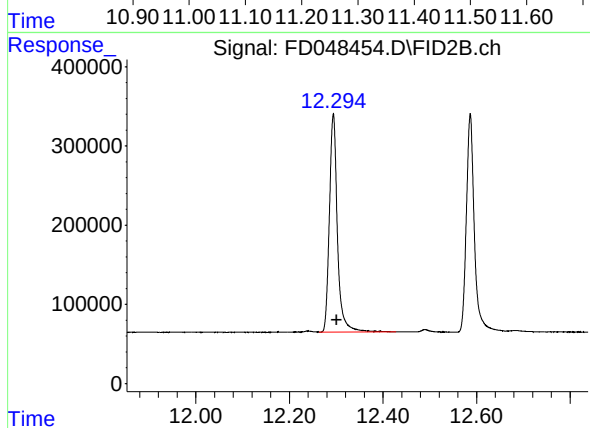
#10 Anthracene (C19.43)

R.T.: 10.566 min
Delta R.T.: -0.010 min
Response: 3234253
Conc: 18.18 ug/ml



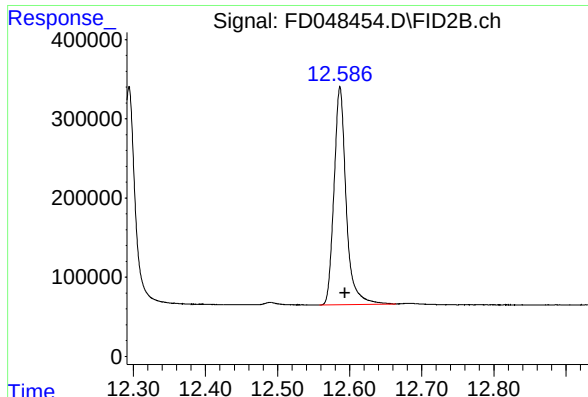
#11 ortho-Terphenyl (SURR)

R.T.: 11.263 min
Delta R.T.: -0.002 min
Response: 3391724
Conc: 18.43 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.294 min
Delta R.T.: -0.008 min
Response: 3277781
Conc: 18.12 ug/ml



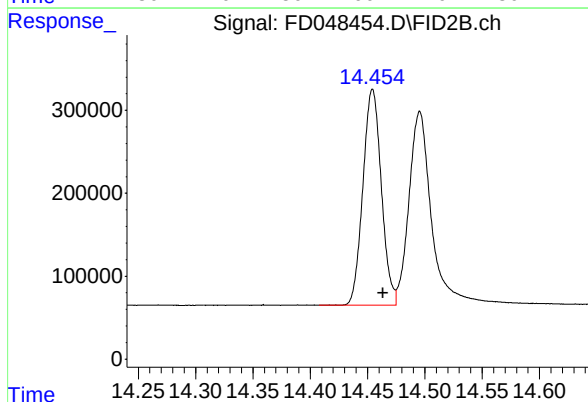
#13 Pyrene (C20.8)

R.T.: 12.587 min
Delta R.T.: -0.007 min
Response: 3223655
Conc: 18.00 ug/ml

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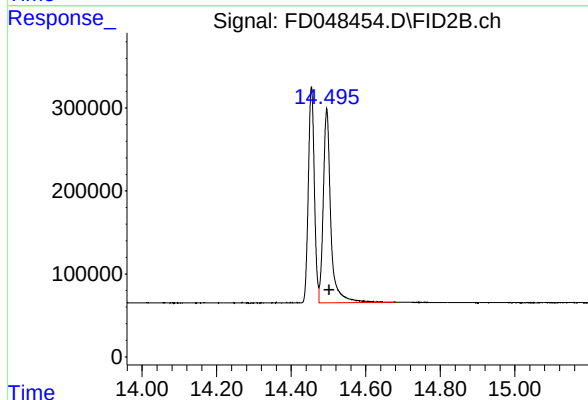
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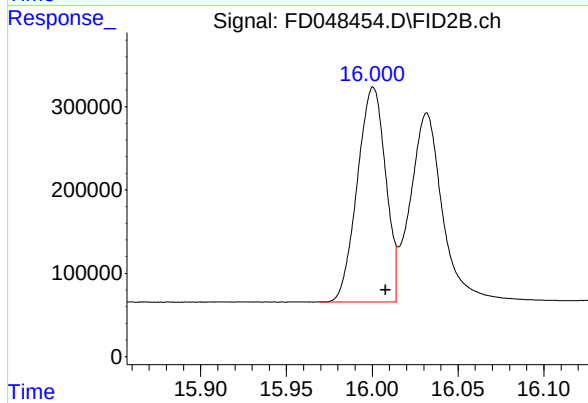
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.454 min
Delta R.T.: -0.009 min
Response: 2906032
Conc: 18.18 ug/ml



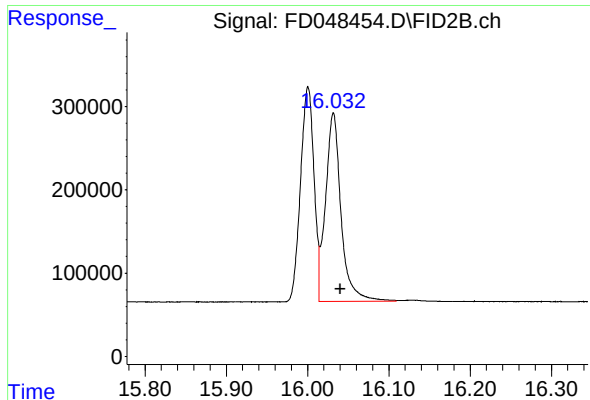
#15 Chrysene (C27.41)

R.T.: 14.495 min
Delta R.T.: -0.007 min
Response: 3285719
Conc: 17.62 ug/ml



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

R.T.: 16.000 min
Delta R.T.: -0.008 min
Response: 2960470
Conc: 17.78 ug/ml m



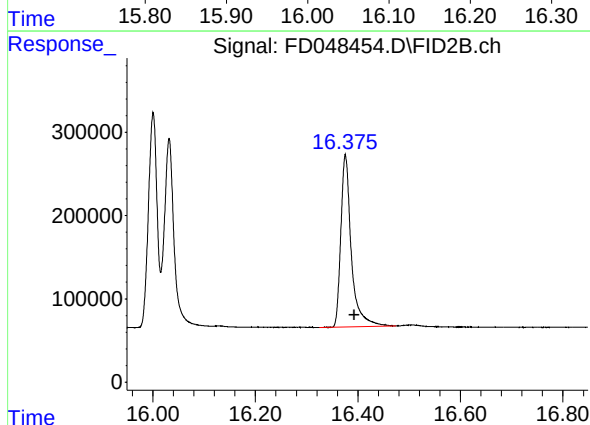
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.032 min
Delta R.T.: -0.009 min
Response: 3014106
Conc: 17.76 ug/ml

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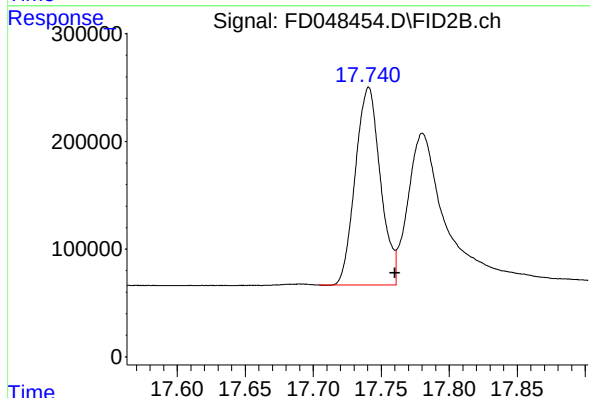
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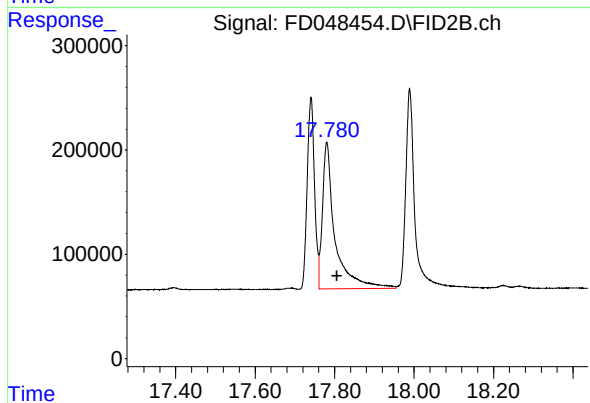
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.376 min
Delta R.T.: -0.017 min
Response: 2930075
Conc: 17.93 ug/ml



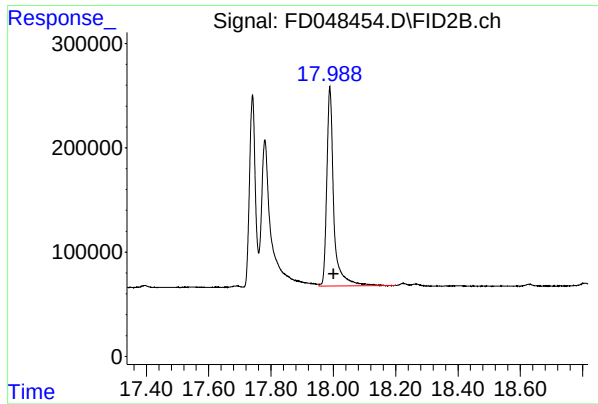
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.740 min
Delta R.T.: -0.020 min
Response: 2351761
Conc: 17.88 ug/ml



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

R.T.: 17.781 min
Delta R.T.: -0.026 min
Response: 3074031
Conc: 18.37 ug/ml



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

R.T.: 17.989 min
Delta R.T.: -0.011 min
Response: 2988298
Conc: 18.40 ug/ml

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