

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090524AR\
 Data File : FD048269.D
 Signal(s) : FID2B.ch
 Acq On : 05 Sep 2024 09:13
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/06/2024
 Supervised By :Ankita Jodhani 09/09/2024

Integration File: autoint1.e
 Quant Time: Sep 06 05:09:22 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081324.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 12 16:16:10 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...	7.392	3395399	22.748 ug/ml
Spiked Amount 50.000		Recovery =	45.50%
6) S 2-Fluorobiphenyl (SURR)	8.242	2170939	22.681 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	45.36%
11) S ortho-Terphenyl (SURR)	11.277	3854094	22.880 ug/ml
Spiked Amount 50.000		Recovery =	45.76%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.213	3873897	22.726 ug/ml
2) T Naphthalene (C11.7)	5.732	4005971	22.990 ug/ml
3) T 2-Methylnaphthalene (...)	6.779	3945418	22.687 ug/ml
5) T Acenaphthylene (C15.06)	8.045	3851697	22.370 ug/ml
7) T Acenaphthene (C15.5)	8.339	3924173	22.663 ug/ml
8) T Fluorene (C16.55)	9.117	3737381	22.663 ug/ml
9) T Phenanthrene (C19.36)	10.504	3654305	22.833 ug/ml
10) T Anthracene (C19.43)	10.580	3170194	20.210 ug/ml
12) T Fluoranthene (C21.85)	12.308	3633346	22.820 ug/ml
13) T Pyrene (C20.8)	12.601	3605686	22.975 ug/ml
14) T Benzo[a]anthracene (C...	14.469	3243018	23.022 ug/mlm
15) T Chrysene (C27.41)	14.510	3520933	22.089 ug/ml
16) T benzo[b]fluoranthene ...	16.015	3395868	22.872 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.046	3311798	22.325 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.389	3351006	22.754 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.752	2650017	21.679 ug/ml
20) T Dibenz[a,h]anthracene...	17.792	3524668	23.073 ug/ml
21) T Benzo[g,h,i]perylene ...	18.002	3331923	22.064 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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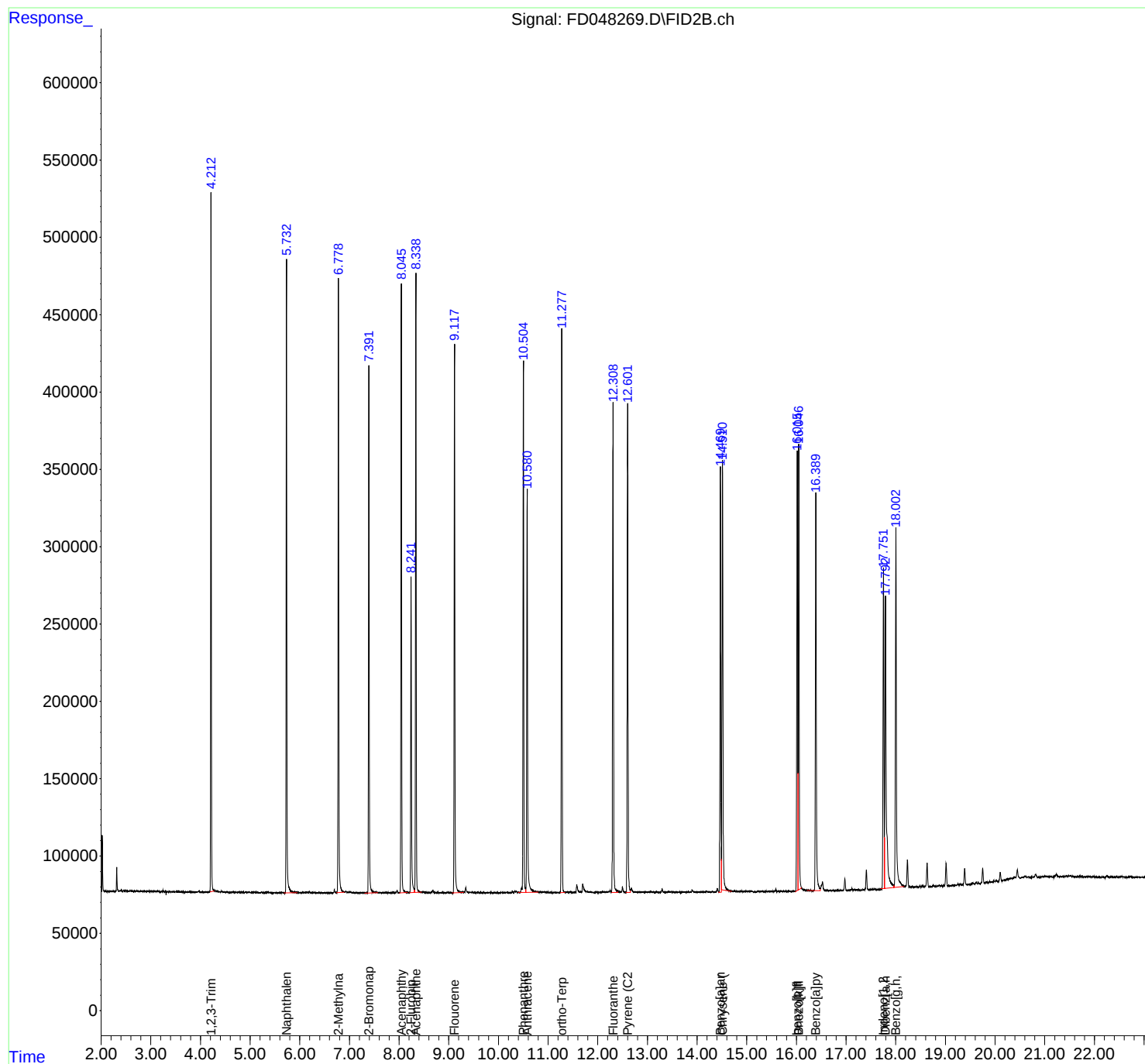
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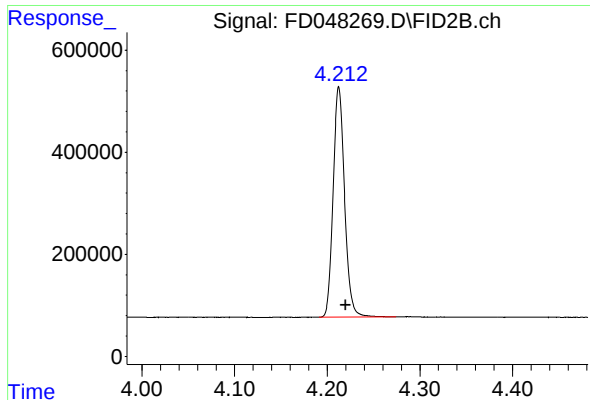
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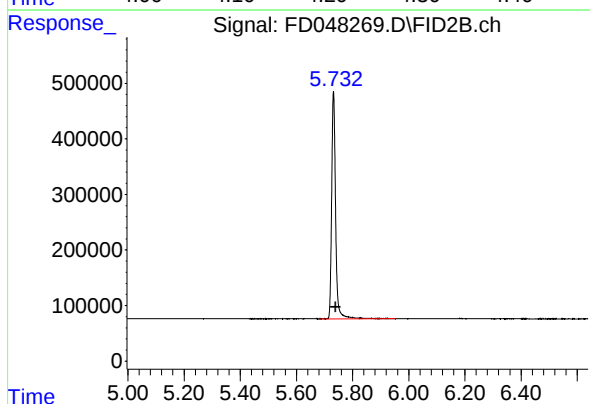
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.213 min
Delta R.T.: -0.007 min
Response: 3873897
Conc: 22.73 ug/ml

Instrument :
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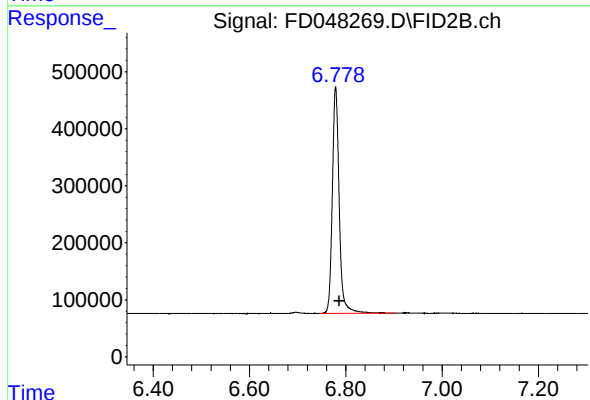
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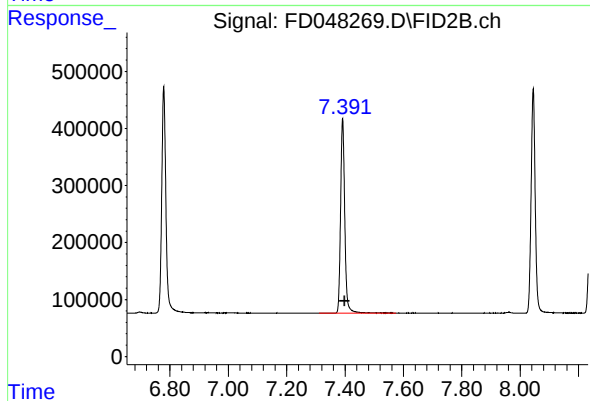
#2 Naphthalene (C11.7)

R.T.: 5.732 min
Delta R.T.: -0.008 min
Response: 4005971
Conc: 22.99 ug/ml



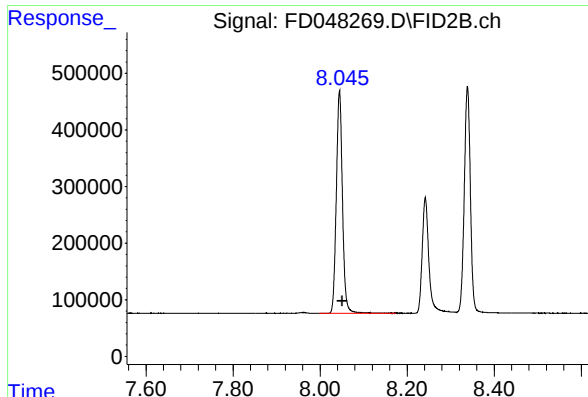
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.779 min
Delta R.T.: -0.008 min
Response: 3945418
Conc: 22.69 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.392 min
Delta R.T.: -0.007 min
Response: 3395399
Conc: 22.75 ug/ml



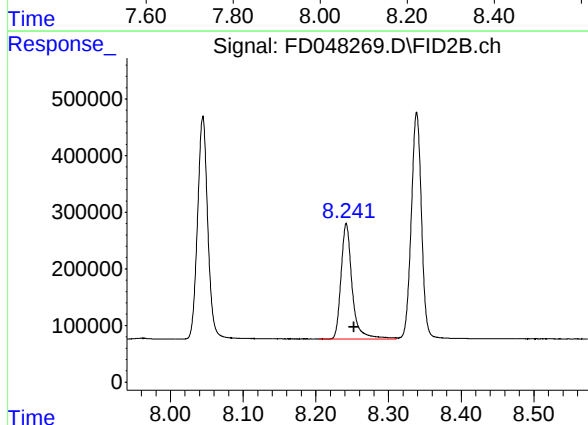
#5 Acenaphthylene (C15.06)

R.T.: 8.045 min
Delta R.T.: -0.007 min
Response: 3851697
Conc: 22.37 ug/ml

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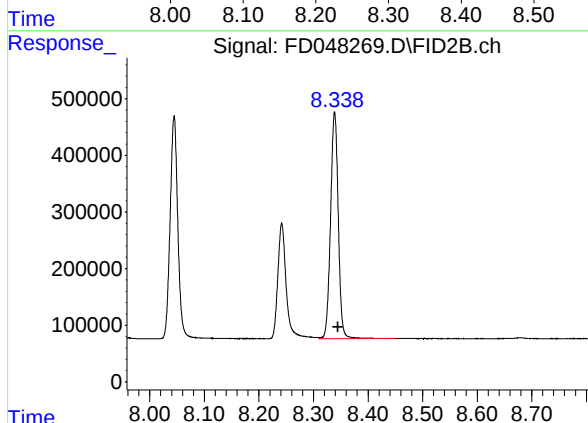
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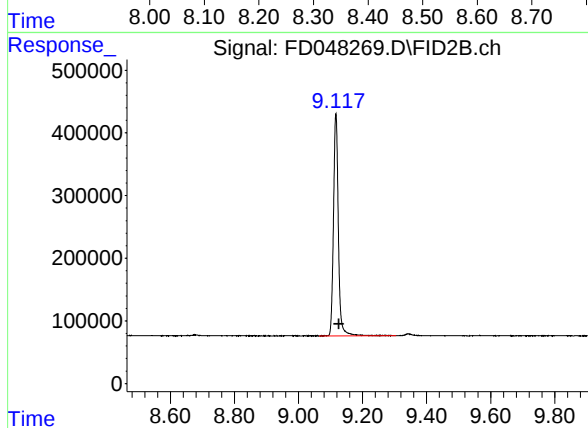
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.242 min
Delta R.T.: -0.011 min
Response: 2170939
Conc: 22.68 ug/ml



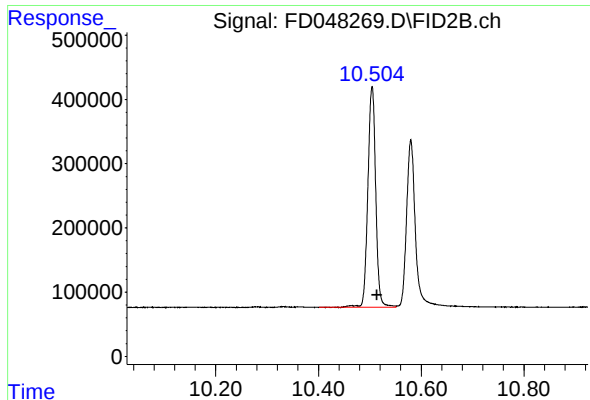
#7 Acenaphthene (C15.5)

R.T.: 8.339 min
Delta R.T.: -0.006 min
Response: 3924173
Conc: 22.66 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.117 min
Delta R.T.: -0.009 min
Response: 3737381
Conc: 22.66 ug/ml



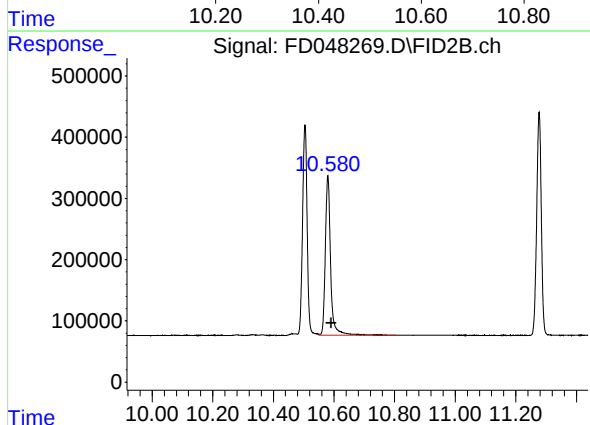
#9 Phenanthrene (C19.36)

R.T.: 10.504 min
Delta R.T.: -0.010 min
Response: 3654305
Conc: 22.83 ug/ml

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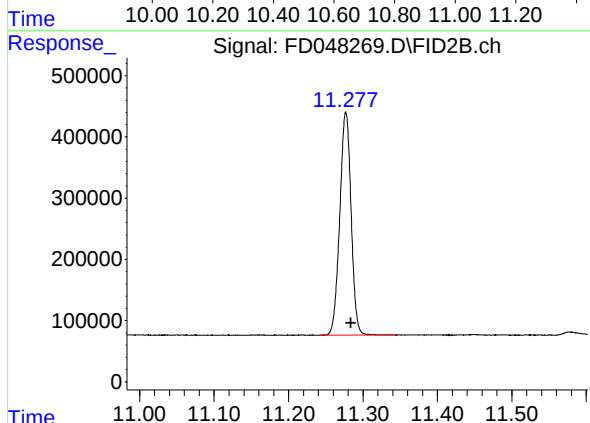
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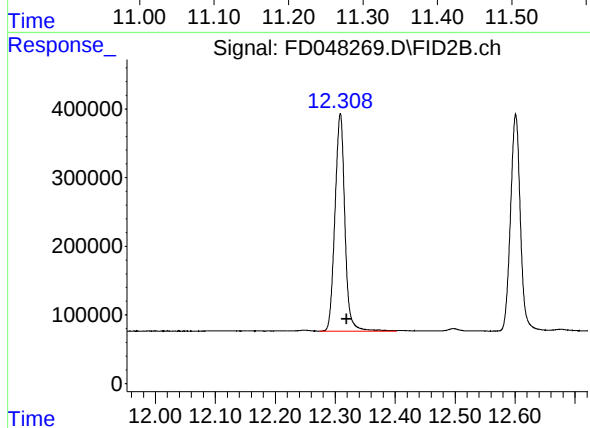
#10 Anthracene (C19.43)

R.T.: 10.580 min
Delta R.T.: -0.011 min
Response: 3170194
Conc: 20.21 ug/ml



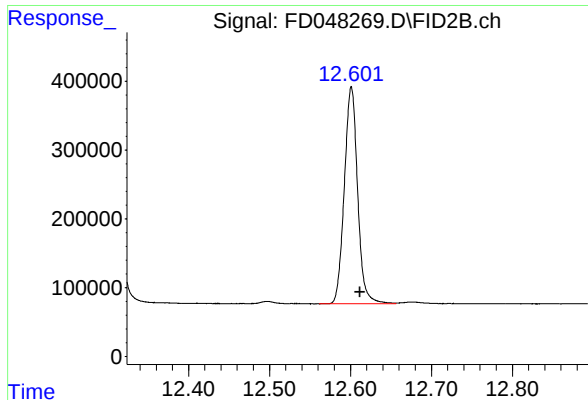
#11 ortho-Terphenyl (SURR)

R.T.: 11.277 min
Delta R.T.: -0.007 min
Response: 3854094
Conc: 22.88 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.308 min
Delta R.T.: -0.011 min
Response: 3633346
Conc: 22.82 ug/ml



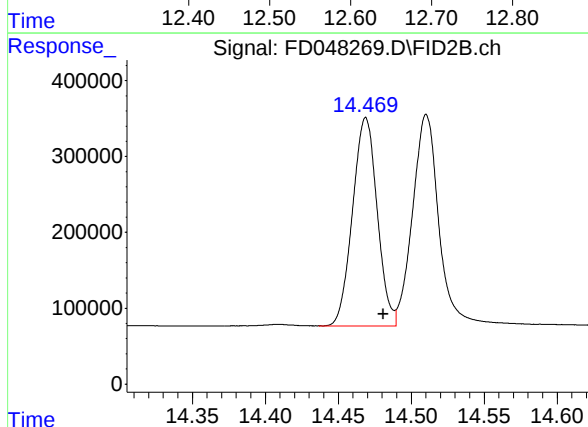
#13 Pyrene (C20.8)

R.T.: 12.601 min
Delta R.T.: -0.011 min
Response: 3605686
Conc: 22.98 ug/ml

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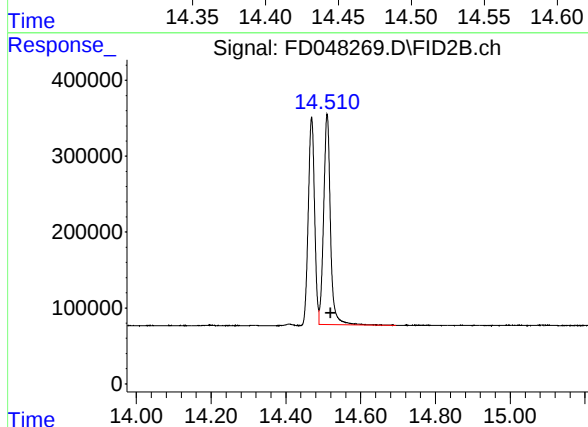
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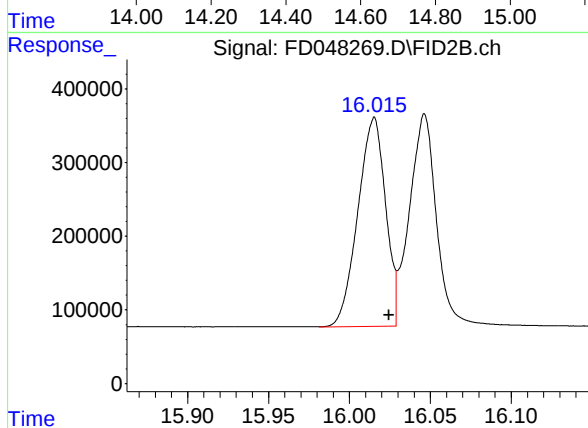
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.469 min
Delta R.T.: -0.012 min
Response: 3243018
Conc: 23.02 ug/ml



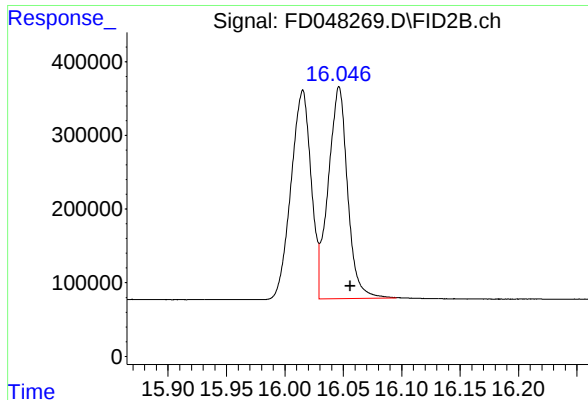
#15 Chrysene (C27.41)

R.T.: 14.510 min
Delta R.T.: -0.010 min
Response: 3520933
Conc: 22.09 ug/ml



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

R.T.: 16.015 min
Delta R.T.: -0.009 min
Response: 3395868
Conc: 22.87 ug/ml



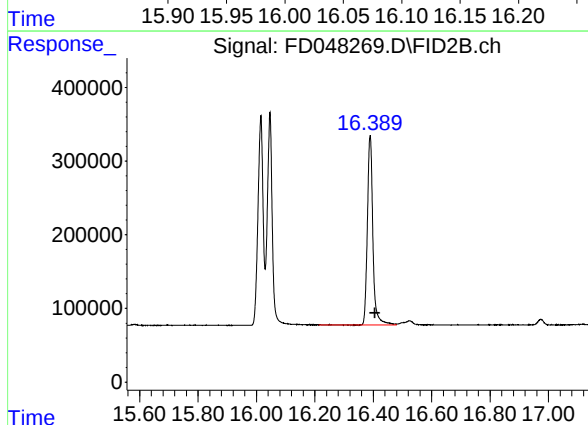
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.046 min
Delta R.T.: -0.010 min
Response: 3311798
Conc: 22.32 ug/ml

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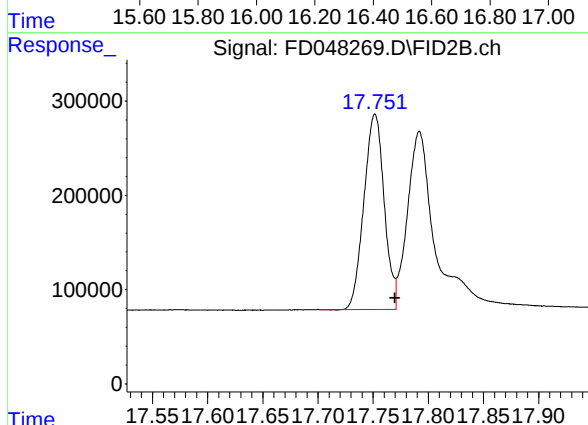
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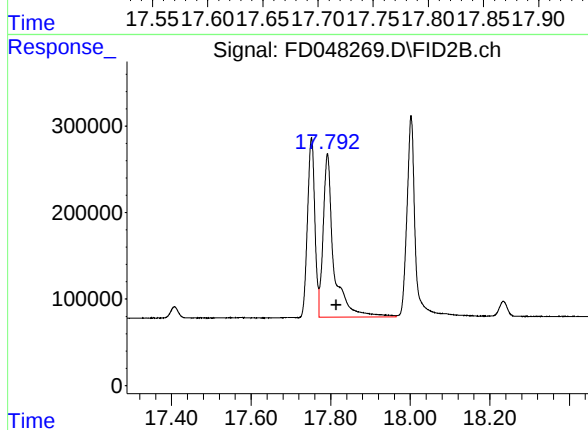
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.389 min
Delta R.T.: -0.017 min
Response: 3351006
Conc: 22.75 ug/ml



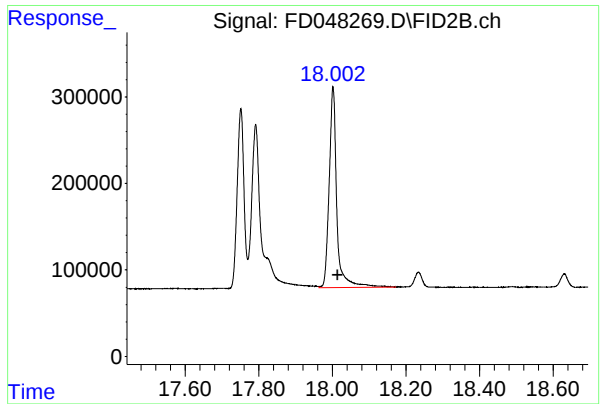
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.752 min
Delta R.T.: -0.018 min
Response: 2650017
Conc: 21.68 ug/ml



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

R.T.: 17.792 min
Delta R.T.: -0.023 min
Response: 3524668
Conc: 23.07 ug/ml



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

R.T.: 18.002 min
Delta R.T.: -0.013 min
Response: 3331923
Conc: 22.06 ug/ml

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