

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AR\
 Data File : FD048472.D
 Signal(s) : FID2B.ch
 Acq On : 12 Oct 2024 04:18
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 52 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 05:00:15 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	3167030	19.128 ug/ml
Spiked Amount 50.000		Recovery =	38.26%
6) S 2-Fluorobiphenyl (SURR)	8.228	2037049	19.643 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	39.29%
11) S ortho-Terphenyl (SURR)	11.262	3445618	18.727 ug/ml
Spiked Amount 50.000		Recovery =	37.45%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.199	3567317	20.355 ug/ml
2) T Naphthalene (C11.7)	5.718	3705044	19.844 ug/ml
3) T 2-Methylnaphthalene (...)	6.765	3705287	19.606 ug/ml
5) T Acenaphthylene (C15.06)	8.030	3623007	18.885 ug/ml
7) T Acenaphthene (C15.5)	8.324	3664059	19.371 ug/ml
8) T Fluorene (C16.55)	9.103	3485590	19.292 ug/ml
9) T Phenanthrene (C19.36)	10.490	3388884	19.121 ug/ml
10) T Anthracene (C19.43)	10.565	3284113	18.456 ug/ml
12) T Fluoranthene (C21.85)	12.293	3342662	18.481 ug/ml
13) T Pyrene (C20.8)	12.586	3251843	18.160 ug/ml
14) T Benzo[a]anthracene (C...	14.456	2976501	18.625 ug/ml
15) T Chrysene (C27.41)	14.497	3310021	17.746 ug/ml
16) T benzo[b]fluoranthene ...	16.002	3061041	18.380 ug/ml
17) T Bnezo[k]fluoranthene ...	16.033	2975463	17.529 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.378	3032746	18.555 ug/mlm
19) T Indeno[1,2,3-cd]pyren...	17.741	2521657	19.170 ug/ml
20) T Dibenz[a,h]anthracene...	17.782	3192710	19.080 ug/ml
21) T Benzo[g,h,i]perylene ...	17.991	3032060	18.667 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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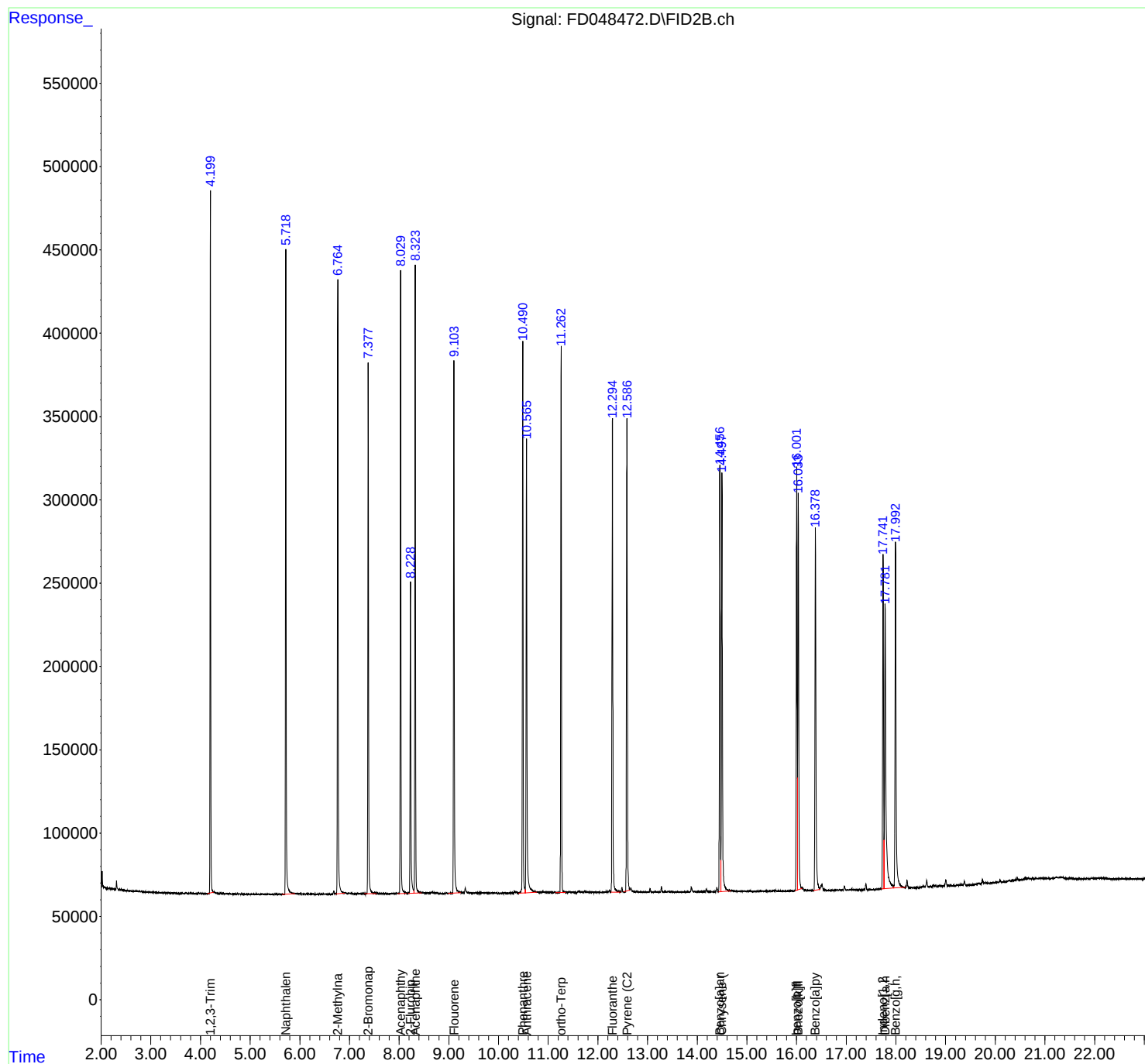
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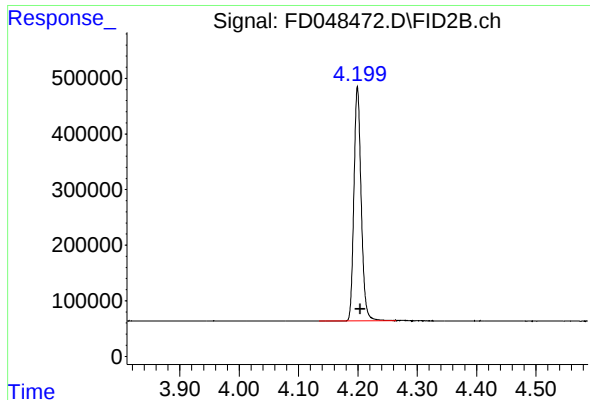
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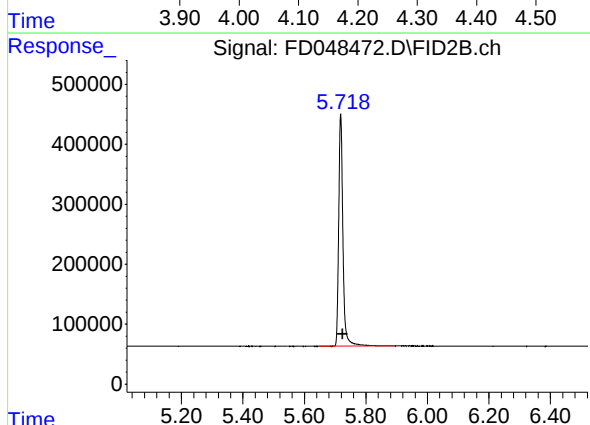
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.199 min
Delta R.T.: -0.005 min
Response: 3567317
Conc: 20.35 ug/ml

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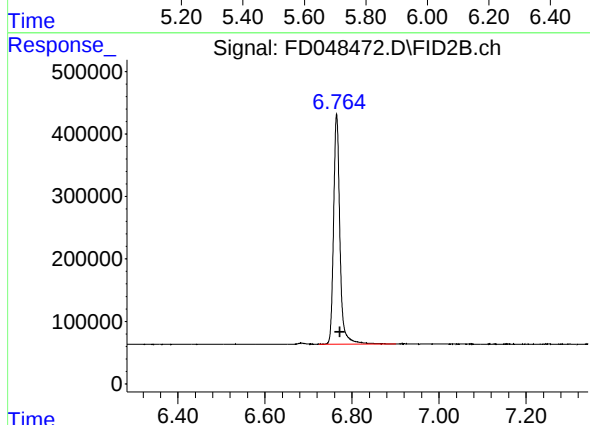
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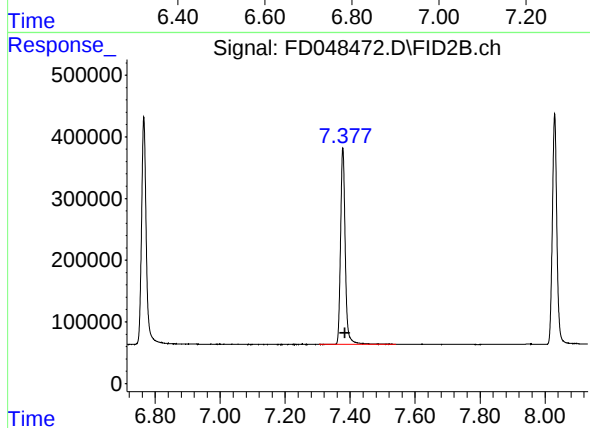
#2 Naphthalene (C11.7)

R.T.: 5.718 min
Delta R.T.: -0.006 min
Response: 3705044
Conc: 19.84 ug/ml



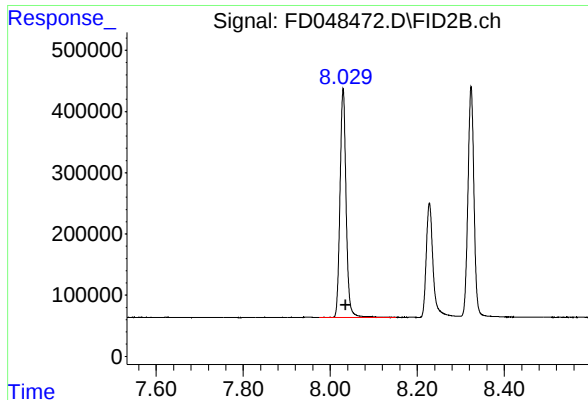
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.765 min
Delta R.T.: -0.007 min
Response: 3705287
Conc: 19.61 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.378 min
Delta R.T.: -0.007 min
Response: 3167030
Conc: 19.13 ug/ml



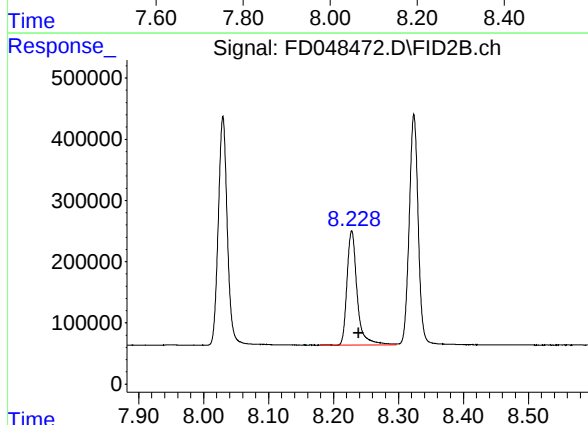
#5 Acenaphthylene (C15.06)

R.T.: 8.030 min
Delta R.T.: -0.006 min
Response: 3623007
Conc: 18.89 ug/ml

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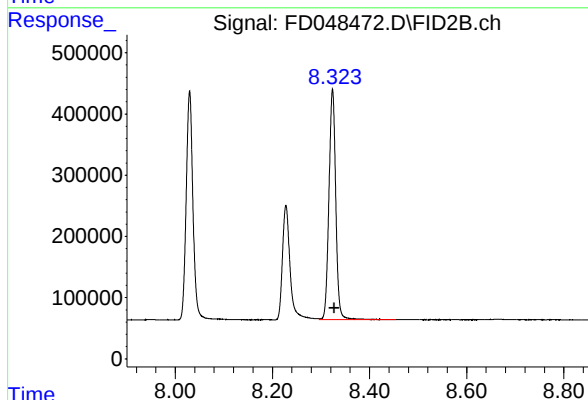
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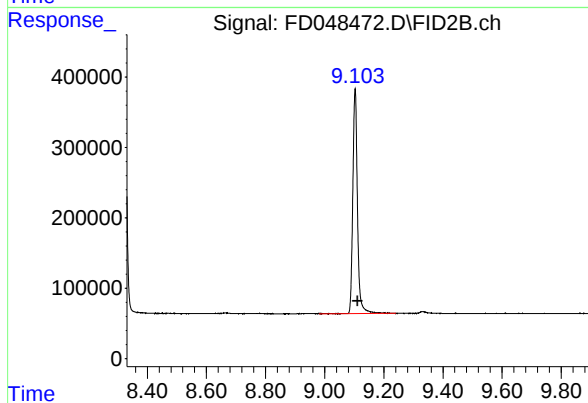
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.228 min
Delta R.T.: -0.011 min
Response: 2037049
Conc: 19.64 ug/ml



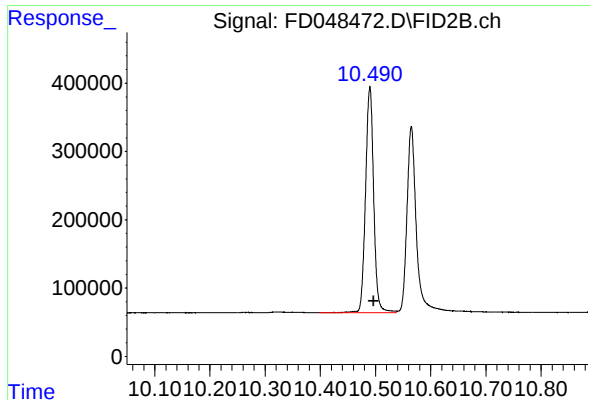
#7 Acenaphthene (C15.5)

R.T.: 8.324 min
Delta R.T.: -0.004 min
Response: 3664059
Conc: 19.37 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.103 min
Delta R.T.: -0.008 min
Response: 3485590
Conc: 19.29 ug/ml



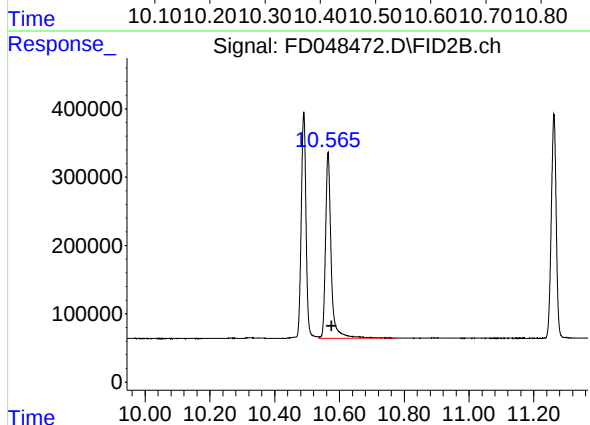
#9 Phenanthrene (C19.36)

R.T.: 10.490 min
Delta R.T.: -0.007 min
Response: 3388884
Conc: 19.12 ug/ml

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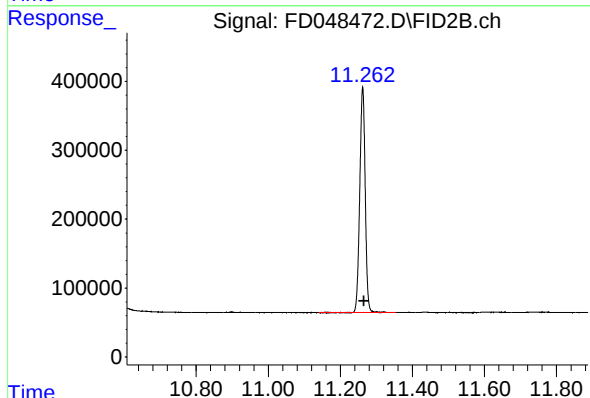
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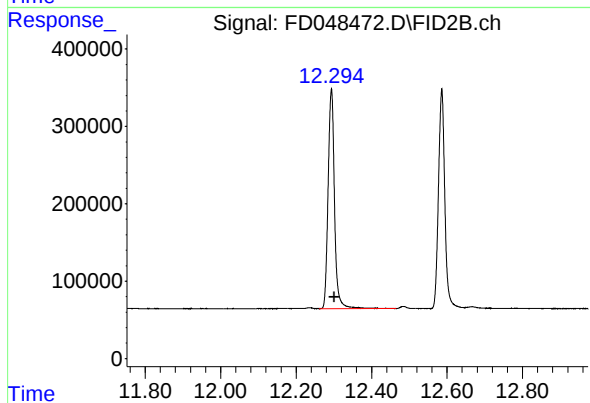
#10 Anthracene (C19.43)

R.T.: 10.565 min
Delta R.T.: -0.010 min
Response: 3284113
Conc: 18.46 ug/ml



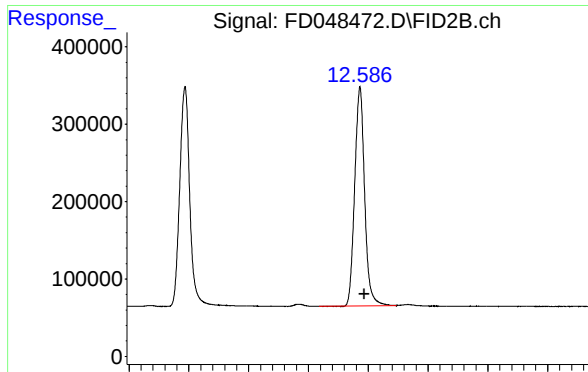
#11 ortho-Terphenyl (SURRE)

R.T.: 11.262 min
Delta R.T.: -0.003 min
Response: 3445618
Conc: 18.73 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.293 min
Delta R.T.: -0.008 min
Response: 3342662
Conc: 18.48 ug/ml



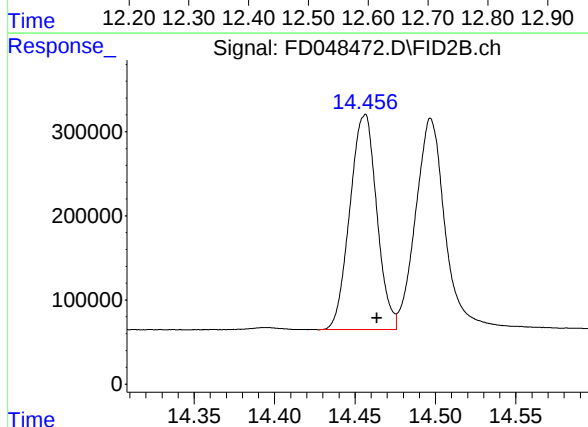
#13 Pyrene (C20.8)

R.T.: 12.586 min
Delta R.T.: -0.007 min
Response: 3251843
Conc: 18.16 ug/ml

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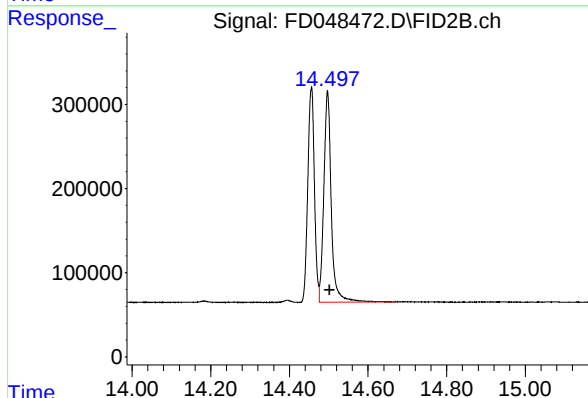
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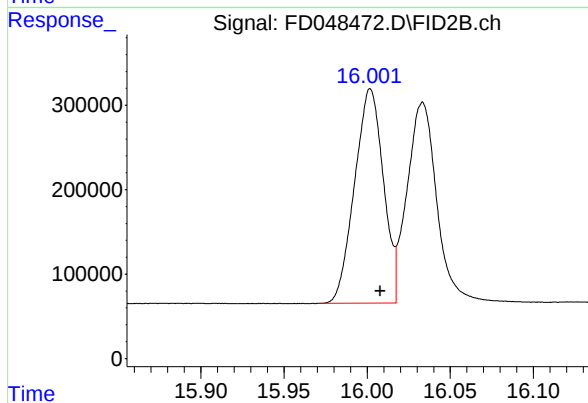
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.456 min
Delta R.T.: -0.008 min
Response: 2976501
Conc: 18.62 ug/ml



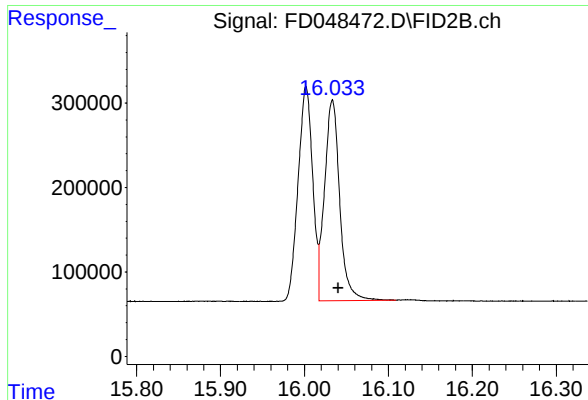
#15 Chrysene (C27.41)

R.T.: 14.497 min
Delta R.T.: -0.005 min
Response: 3310021
Conc: 17.75 ug/ml



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

R.T.: 16.002 min
Delta R.T.: -0.006 min
Response: 3061041
Conc: 18.38 ug/ml



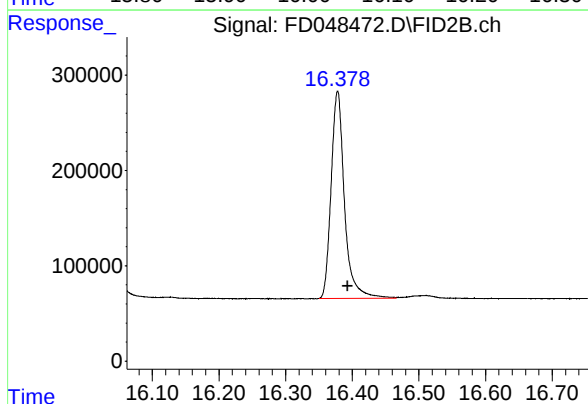
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.033 min
Delta R.T.: -0.007 min
Response: 2975463
Conc: 17.53 ug/ml

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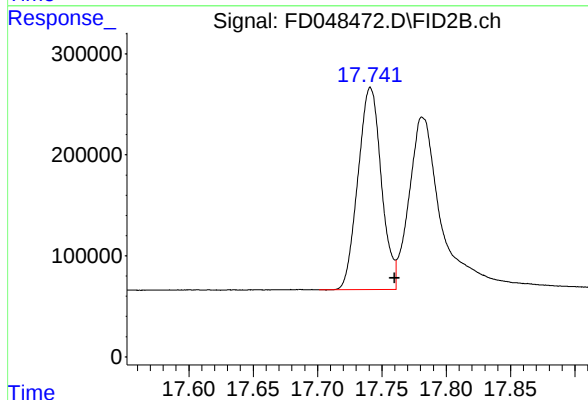
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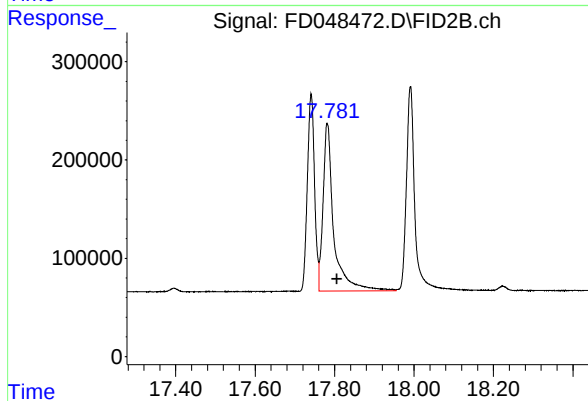
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.378 min
Delta R.T.: -0.015 min
Response: 3032746
Conc: 18.56 ug/ml m



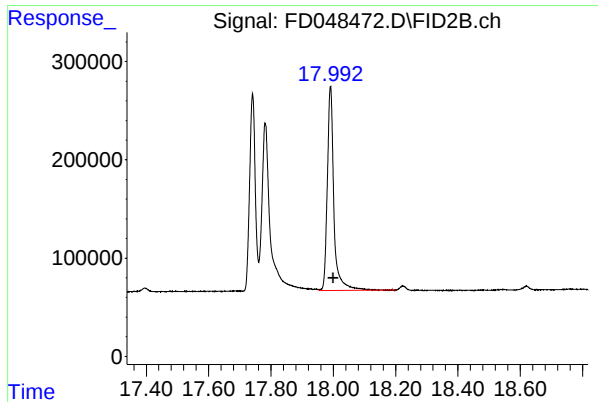
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.741 min
Delta R.T.: -0.019 min
Response: 2521657
Conc: 19.17 ug/ml



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

R.T.: 17.782 min
Delta R.T.: -0.024 min
Response: 3192710
Conc: 19.08 ug/ml



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

R.T.: 17.991 min
Delta R.T.: -0.010 min
Response: 3032060
Conc: 18.67 ug/ml

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