

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110424AR\
 Data File : FD048640.D
 Signal(s) : FID2B.ch
 Acq On : 04 Nov 2024 10:28
 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 11/06/2024
 Supervised By :Ankita Jodhani 11/06/2024

Integration File: autoint1.e
 Quant Time: Nov 05 02:07:18 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 23 18:14:59 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...	7.370	3036038	20.003 ug/ml
Spiked Amount 50.000		Recovery =	40.01%
6) S 2-Fluorobiphenyl (SURR)	8.220	1952016	19.880 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	39.76%
11) S ortho-Terphenyl (SURR)	11.253	3452142	20.266 ug/ml
Spiked Amount 50.000		Recovery =	40.53%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.193	3475794	19.979 ug/ml
2) T Naphthalene (C11.7)	5.711	3581396	20.071 ug/ml
3) T 2-Methylnaphthalene (...)	6.757	3555384	19.877 ug/ml
5) T Acenaphthylene (C15.06)	8.022	3451621	19.657 ug/ml
7) T Acenaphthene (C15.5)	8.316	3553144	20.033 ug/ml
8) T Fluorene (C16.55)	9.095	3372928	19.954 ug/ml
9) T Phenanthrene (C19.36)	10.481	3275125	19.813 ug/ml
10) T Anthracene (C19.43)	10.557	2488922	15.565 ug/ml
12) T Fluoranthene (C21.85)	12.284	3294354	20.017 ug/ml
13) T Pyrene (C20.8)	12.576	3270483	20.304 ug/ml
14) T Benzo[a]anthracene (C...	14.445	2865037	19.595 ug/ml
15) T Chrysene (C27.41)	14.486	3358348	20.416 ug/ml
16) T benzo[b]fluoranthene ...	15.991	3197237	21.030 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.022	3113680	20.716 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.367	2989994	19.868 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.730	2495623	19.127 ug/ml
20) T Dibenz[a,h]anthracene...	17.770	3448326	21.190 ug/ml
21) T Benzo[g,h,i]perylene ...	17.980	3153550	20.599 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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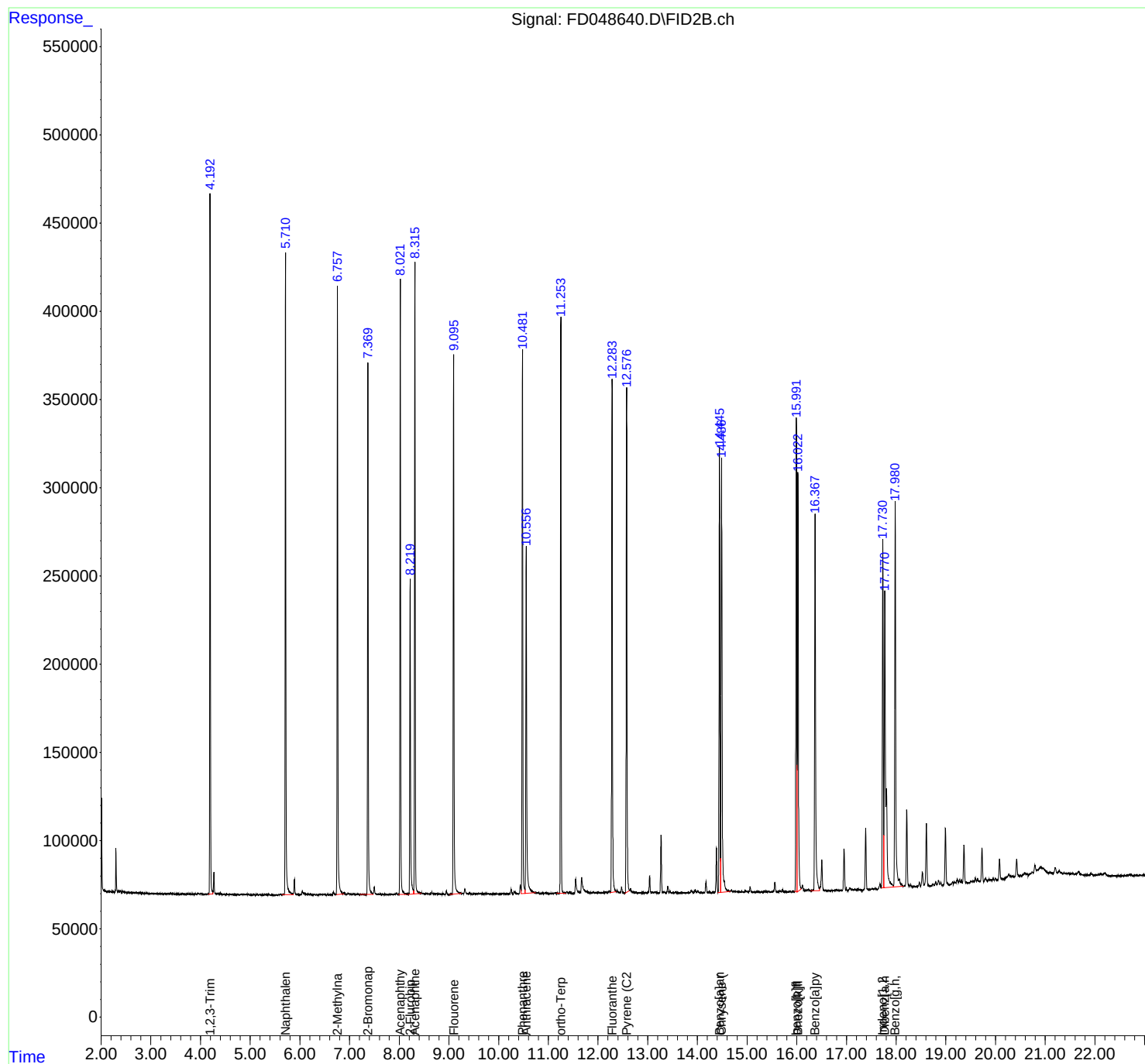
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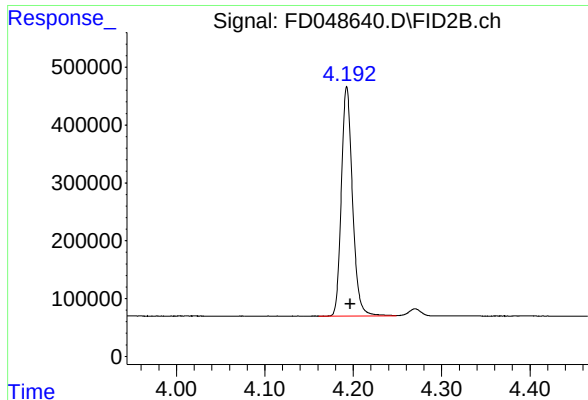
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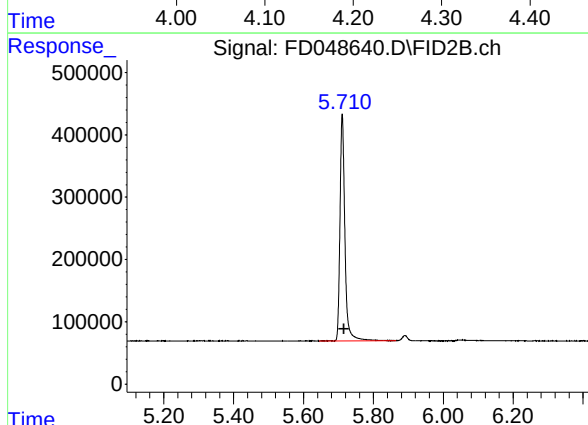
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.193 min
Delta R.T.: -0.004 min
Response: 3475794
Conc: 19.98 ug/ml

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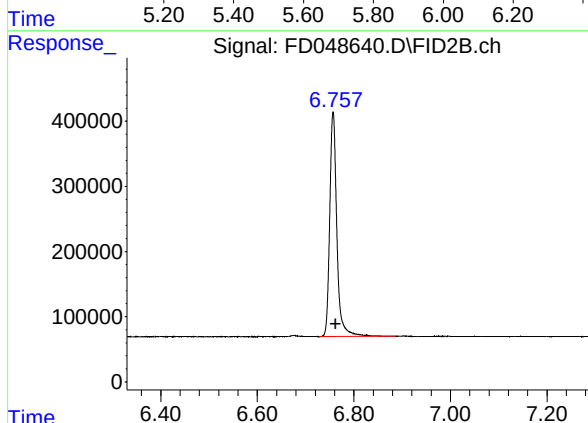
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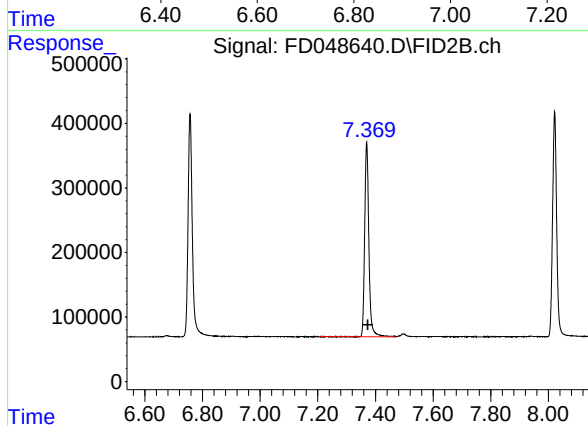
#2 Naphthalene (C11.7)

R.T.: 5.711 min
Delta R.T.: -0.005 min
Response: 3581396
Conc: 20.07 ug/ml



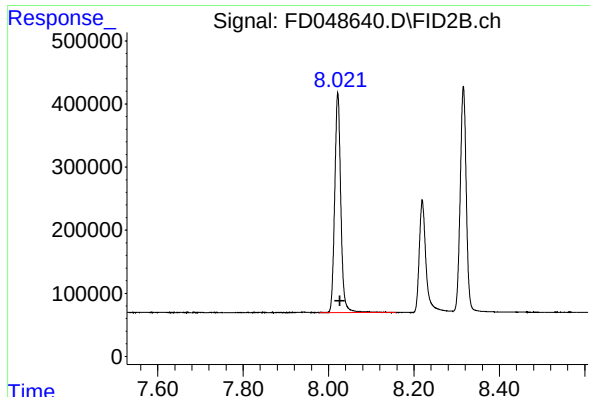
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.757 min
Delta R.T.: -0.005 min
Response: 3555384
Conc: 19.88 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.370 min
Delta R.T.: -0.005 min
Response: 3036038
Conc: 20.00 ug/ml



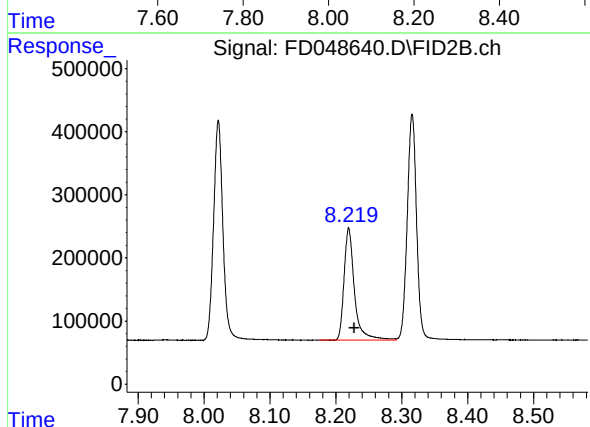
#5 Acenaphthylene (C15.06)

R.T.: 8.022 min
Delta R.T.: -0.005 min
Response: 3451621
Conc: 19.66 ug/ml

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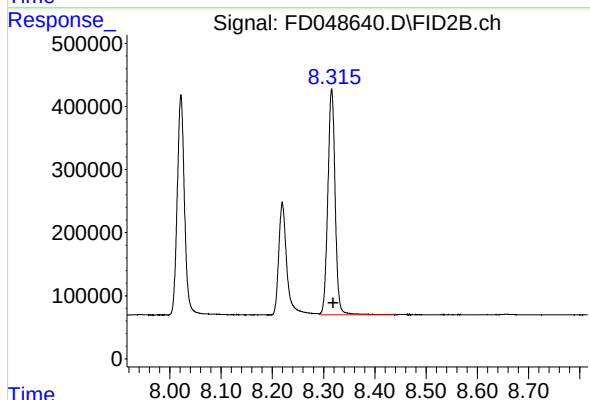
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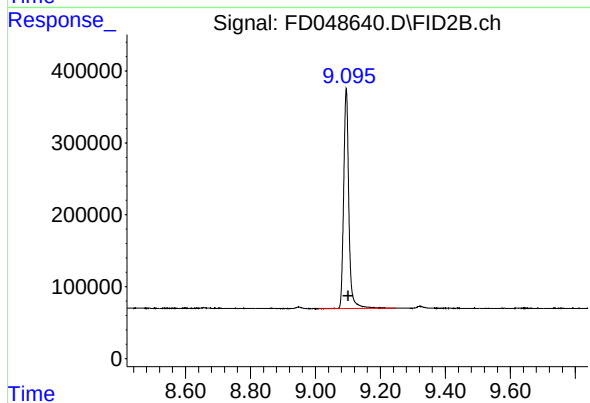
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.220 min
Delta R.T.: -0.008 min
Response: 1952016
Conc: 19.88 ug/ml



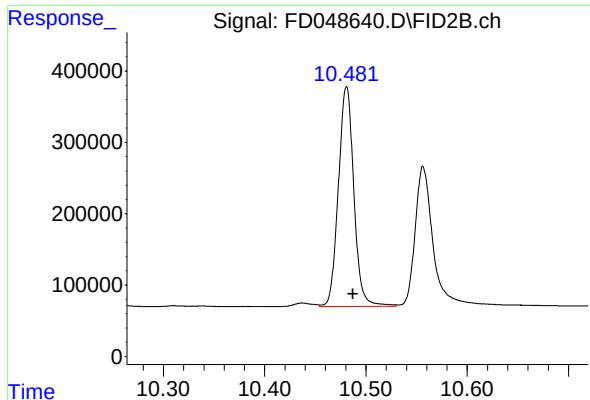
#7 Acenaphthene (C15.5)

R.T.: 8.316 min
Delta R.T.: -0.003 min
Response: 3553144
Conc: 20.03 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.095 min
Delta R.T.: -0.006 min
Response: 3372928
Conc: 19.95 ug/ml



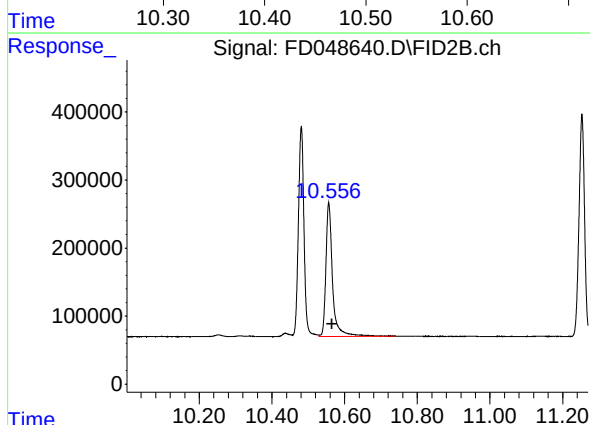
#9 Phenanthrene (C19.36)

R.T.: 10.481 min
Delta R.T.: -0.006 min
Response: 3275125
Conc: 19.81 ug/ml

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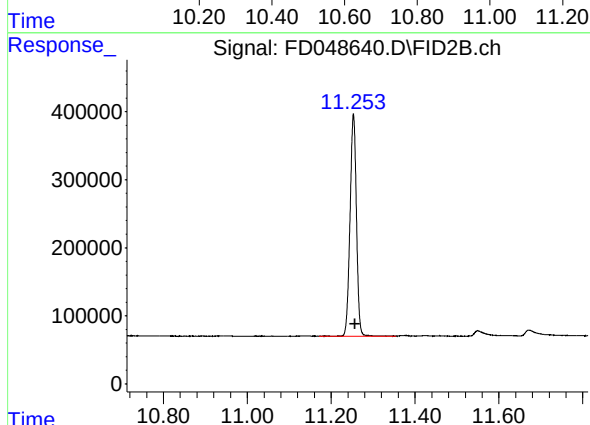
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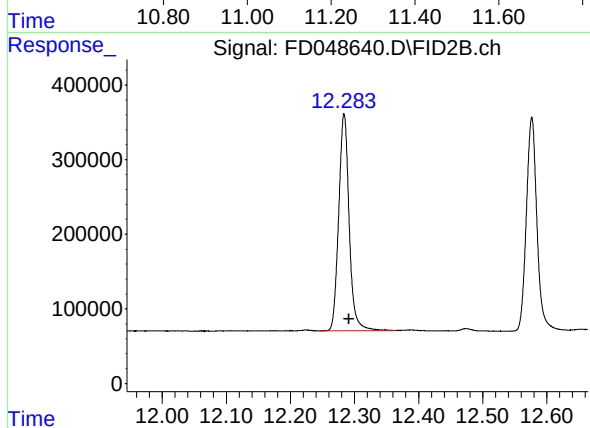
#10 Anthracene (C19.43)

R.T.: 10.557 min
Delta R.T.: -0.008 min
Response: 2488922
Conc: 15.56 ug/ml



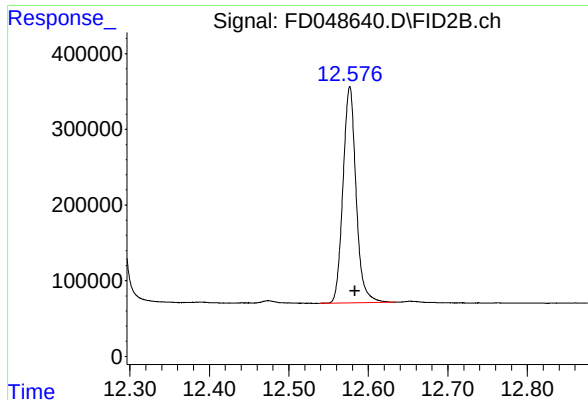
#11 ortho-Terphenyl (SURR)

R.T.: 11.253 min
Delta R.T.: -0.004 min
Response: 3452142
Conc: 20.27 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.284 min
Delta R.T.: -0.008 min
Response: 3294354
Conc: 20.02 ug/ml



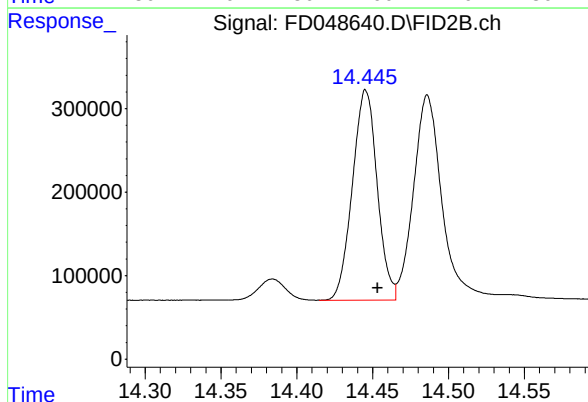
#13 Pyrene (C20.8)

R.T.: 12.576 min
Delta R.T.: -0.007 min
Response: 3270483
Conc: 20.30 ug/ml

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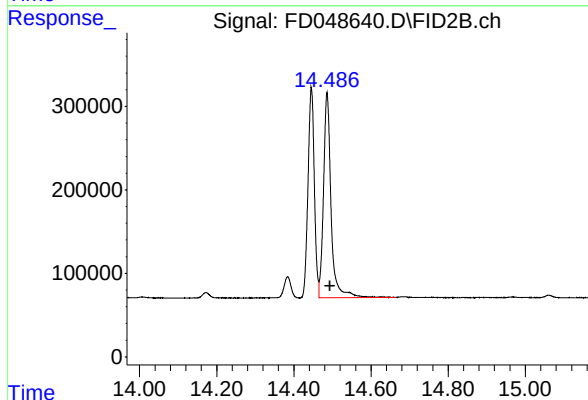
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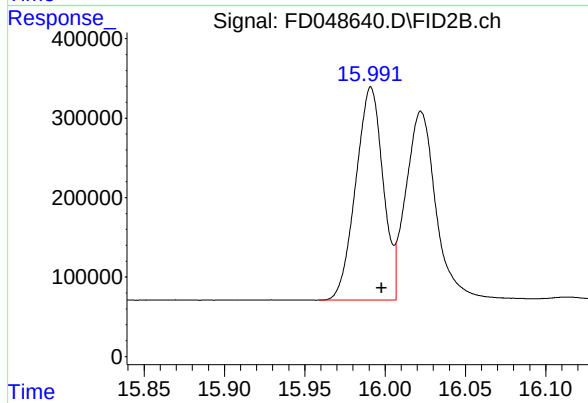
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.445 min
Delta R.T.: -0.008 min
Response: 2865037
Conc: 19.59 ug/ml



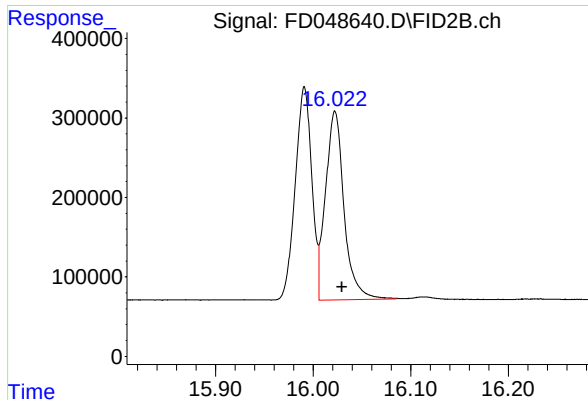
#15 Chrysene (C27.41)

R.T.: 14.486 min
Delta R.T.: -0.007 min
Response: 3358348
Conc: 20.42 ug/ml



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

R.T.: 15.991 min
Delta R.T.: -0.007 min
Response: 3197237
Conc: 21.03 ug/ml m



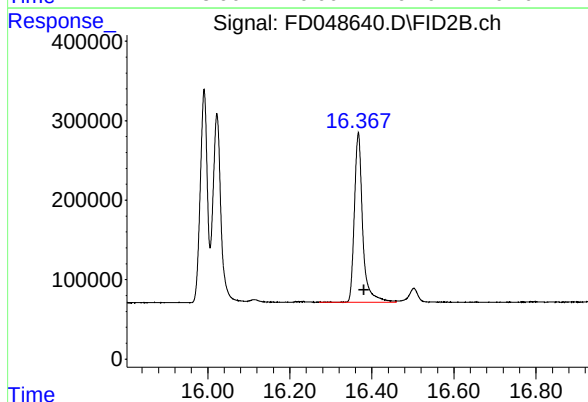
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.022 min
Delta R.T.: -0.008 min
Response: 3113680
Conc: 20.72 ug/ml

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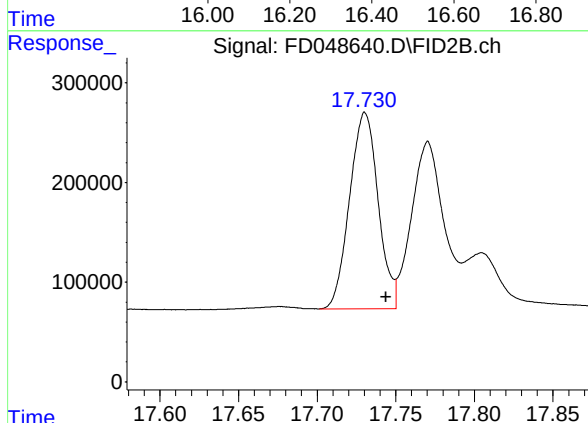
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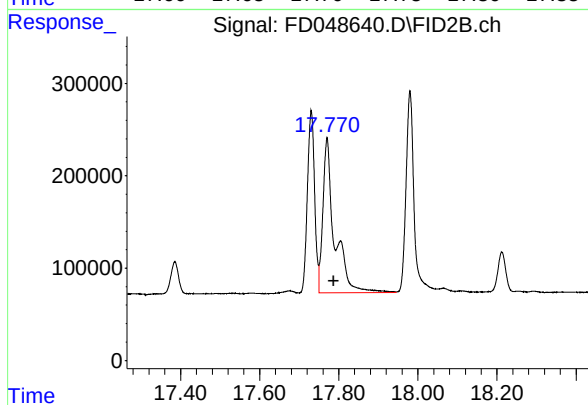
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.367 min
Delta R.T.: -0.014 min
Response: 2989994
Conc: 19.87 ug/ml



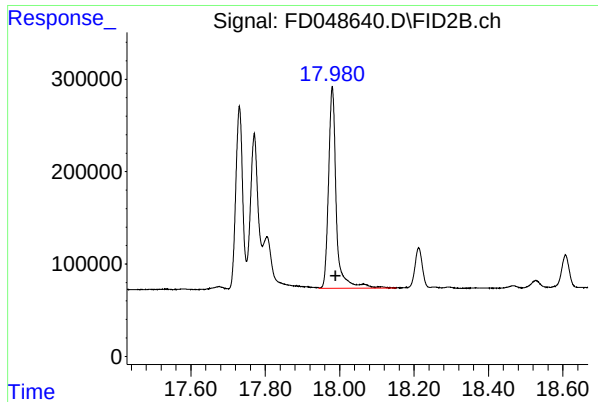
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.730 min
Delta R.T.: -0.014 min
Response: 2495623
Conc: 19.13 ug/ml



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

R.T.: 17.770 min
Delta R.T.: -0.016 min
Response: 3448326
Conc: 21.19 ug/ml



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

R.T.: 17.980 min
Delta R.T.: -0.010 min
Response: 3153550
Conc: 20.60 ug/ml

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