

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090524AR\
 Data File : FD048275.D
 Signal(s) : FID2B.ch
 Acq On : 05 Sep 2024 13:10
 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 09/06/2024
 Supervised By :Ankita Jodhani 09/09/2024

Integration File: autoint1.e
 Quant Time: Sep 06 05:10:07 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...	7.391	2811047	18.833 ug/ml
Spiked Amount 50.000		Recovery =	37.67%
6) S 2-Fluorobiphenyl (SURR)	8.242	1770300	18.495 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	36.99%
11) S ortho-Terphenyl (SURR)	11.277	3165202	18.791 ug/ml
Spiked Amount 50.000		Recovery =	37.58%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.212	3179133	18.651 ug/ml
2) T Naphthalene (C11.7)	5.732	3261034	18.715 ug/ml
3) T 2-Methylnaphthalene (...)	6.778	3246693	18.669 ug/ml
5) T Acenaphthylene (C15.06)	8.044	3181965	18.480 ug/ml
7) T Acenaphthene (C15.5)	8.338	3245314	18.742 ug/ml
8) T Fluorene (C16.55)	9.117	3104382	18.825 ug/ml
9) T Phenanthrene (C19.36)	10.504	2961735	18.506 ug/ml
10) T Anthracene (C19.43)	10.580	2575200	16.417 ug/ml
12) T Fluoranthene (C21.85)	12.307	2952934	18.547 ug/ml
13) T Pyrene (C20.8)	12.600	2936706	18.712 ug/ml
14) T Benzo[a]anthracene (C...	14.468	2570039	18.245 ug/mlm
15) T Chrysene (C27.41)	14.509	2814636	17.658 ug/ml
16) T benzo[b]fluoranthene ...	16.013	2741405	18.464 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.044	2561061	17.264 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.390	2711400	18.411 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.752	2013708	16.474 ug/ml
20) T Dibenz[a,h]anthracene...	17.792	2933453	19.203 ug/ml
21) T Benzo[g,h,i]perylene ...	18.001	2547951	16.873 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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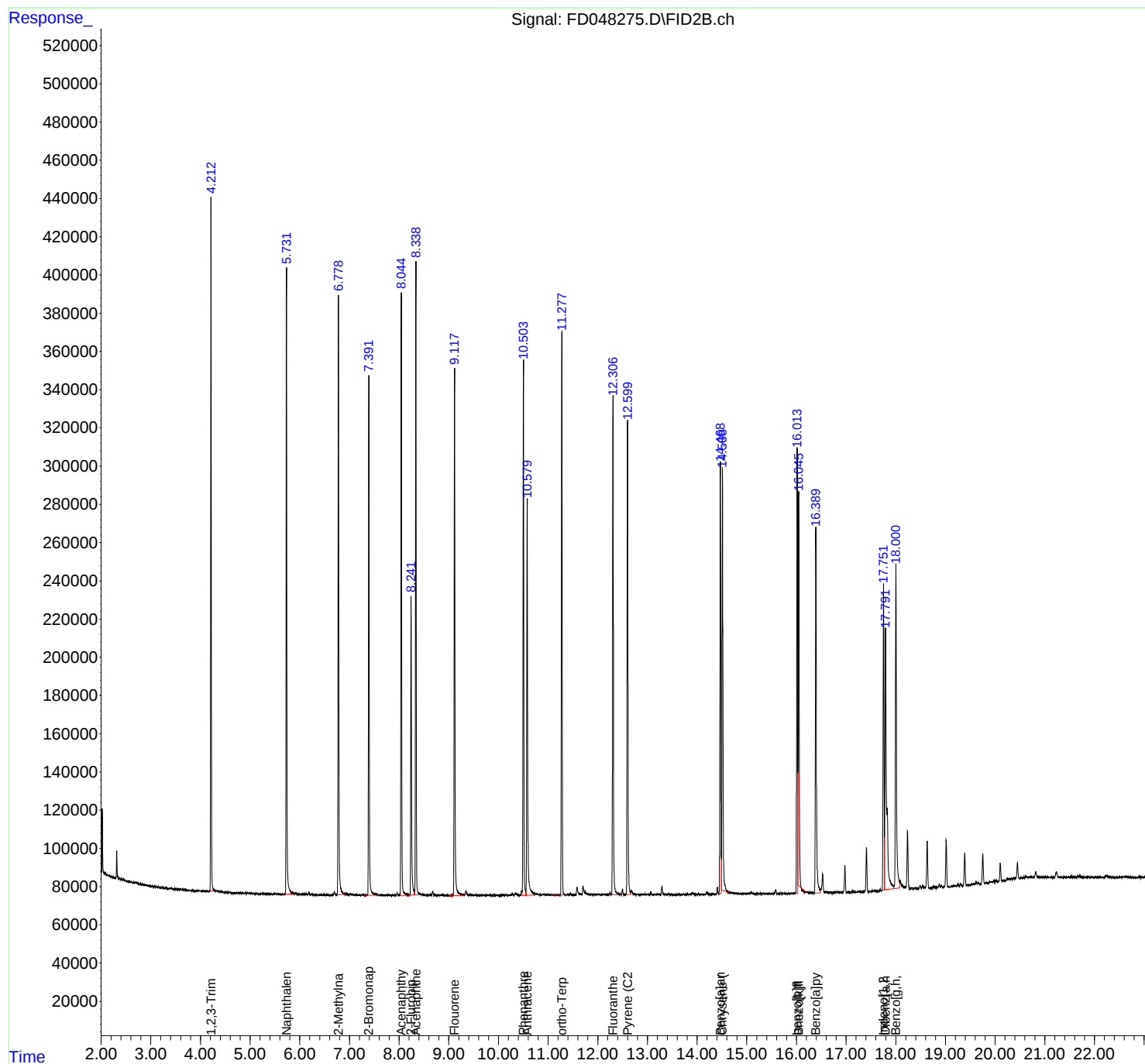
Instrument :
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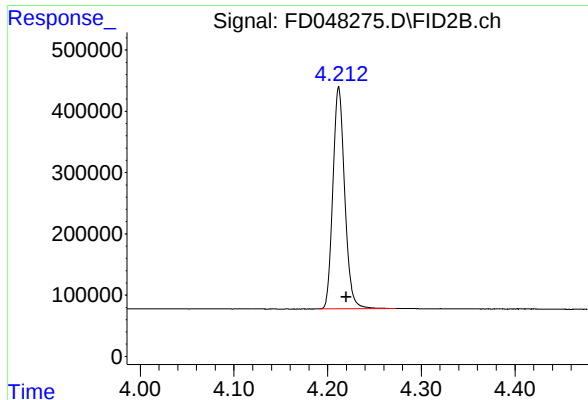
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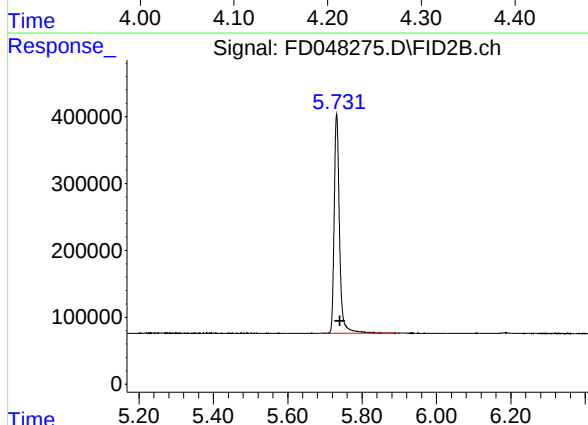
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.212 min
Delta R.T.: -0.008 min
Response: 3179133
Conc: 18.65 ug/ml

Instrument :
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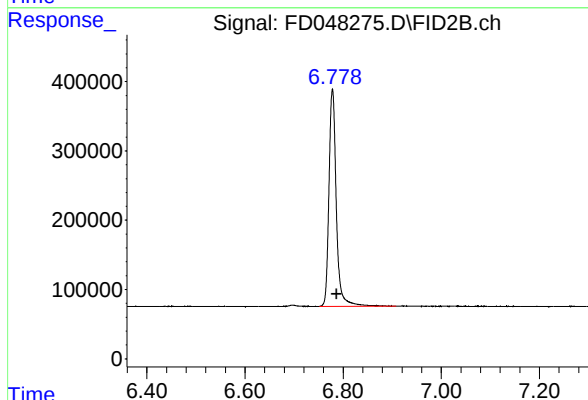
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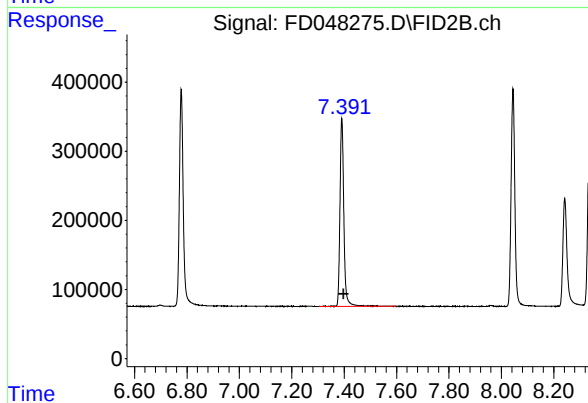
#2 Naphthalene (C11.7)

R.T.: 5.732 min
Delta R.T.: -0.008 min
Response: 3261034
Conc: 18.71 ug/ml



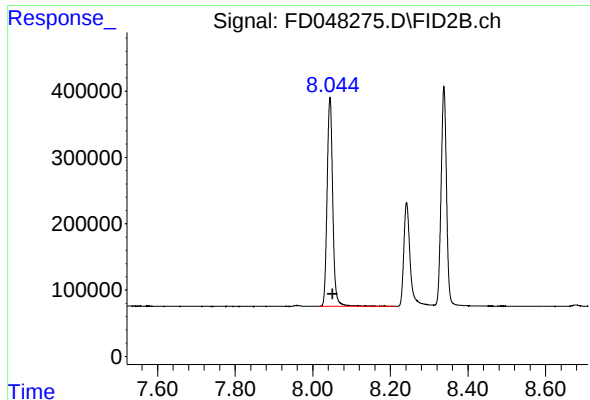
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.778 min
Delta R.T.: -0.008 min
Response: 3246693
Conc: 18.67 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.391 min
Delta R.T.: -0.007 min
Response: 2811047
Conc: 18.83 ug/ml



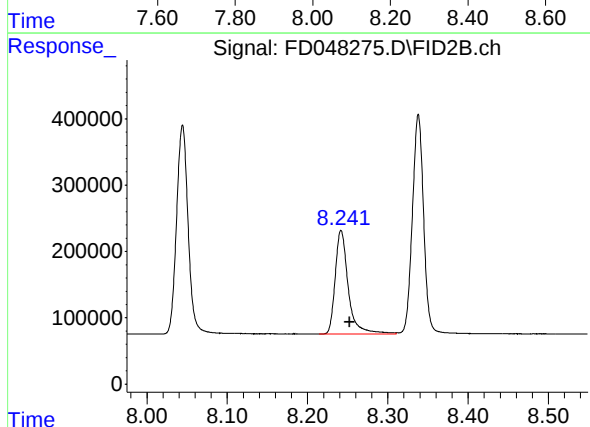
#5 Acenaphthylene (C15.06)

R.T.: 8.044 min
Delta R.T.: -0.007 min
Response: 3181965
Conc: 18.48 ug/ml

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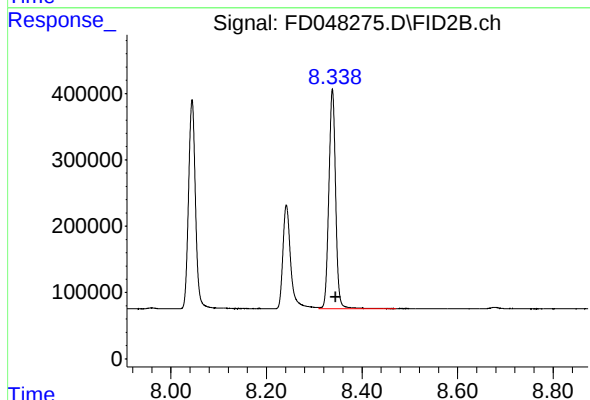
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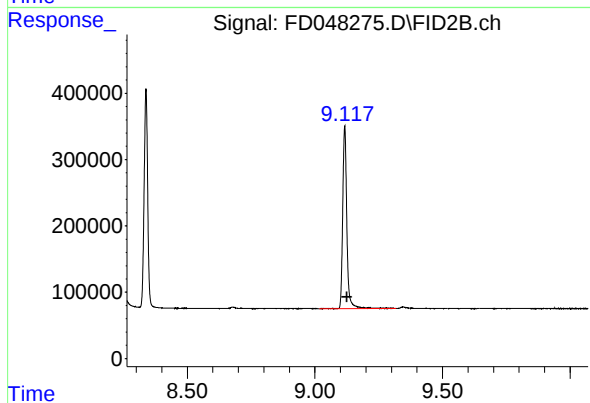
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.242 min
Delta R.T.: -0.011 min
Response: 1770300
Conc: 18.50 ug/ml



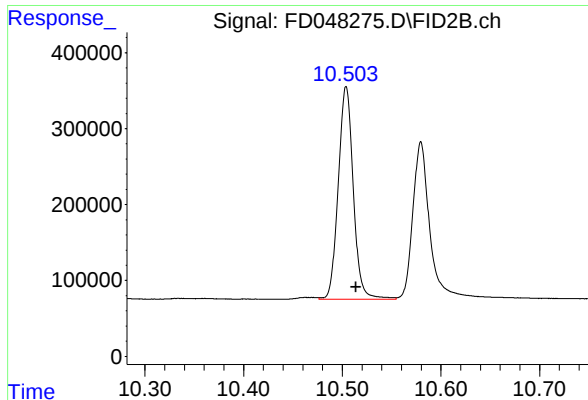
#7 Acenaphthene (C15.5)

R.T.: 8.338 min
Delta R.T.: -0.007 min
Response: 3245314
Conc: 18.74 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.117 min
Delta R.T.: -0.009 min
Response: 3104382
Conc: 18.82 ug/ml



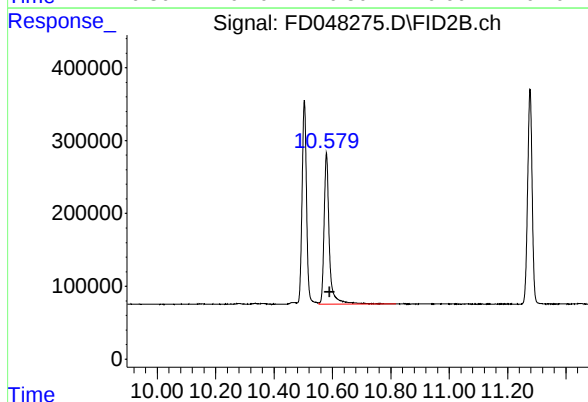
#9 Phenanthrene (C19.36)

R.T.: 10.504 min
Delta R.T.: -0.010 min
Response: 2961735
Conc: 18.51 ug/ml

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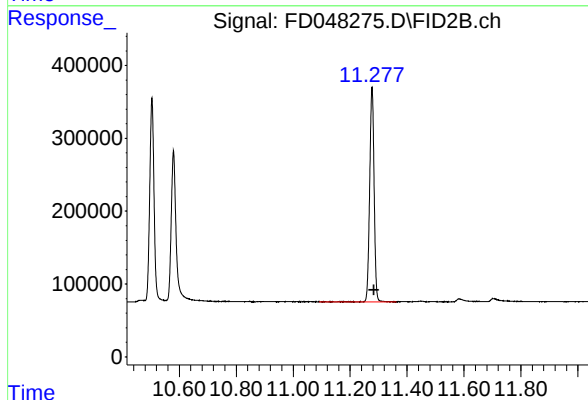
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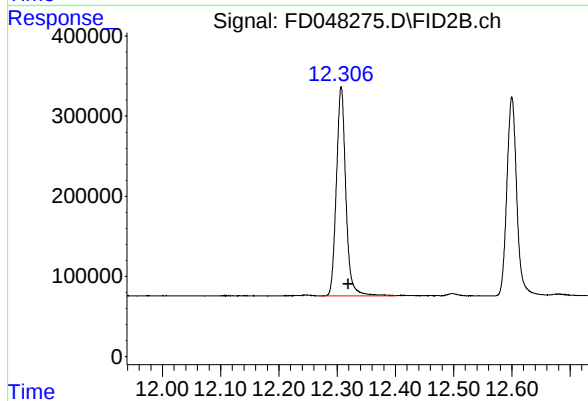
#10 Anthracene (C19.43)

R.T.: 10.580 min
Delta R.T.: -0.011 min
Response: 2575200
Conc: 16.42 ug/ml



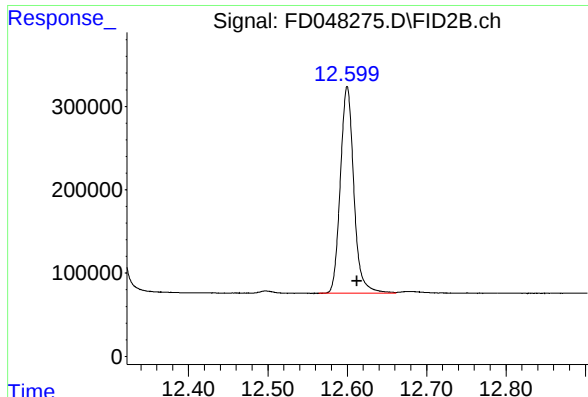
#11 ortho-Terphenyl (SURR)

R.T.: 11.277 min
Delta R.T.: -0.007 min
Response: 3165202
Conc: 18.79 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.307 min
Delta R.T.: -0.012 min
Response: 2952934
Conc: 18.55 ug/ml



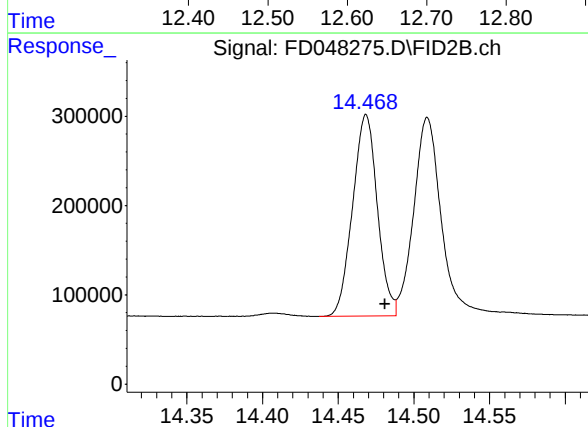
#13 Pyrene (C20.8)

R.T.: 12.600 min
Delta R.T.: -0.012 min
Response: 2936706
Conc: 18.71 ug/ml

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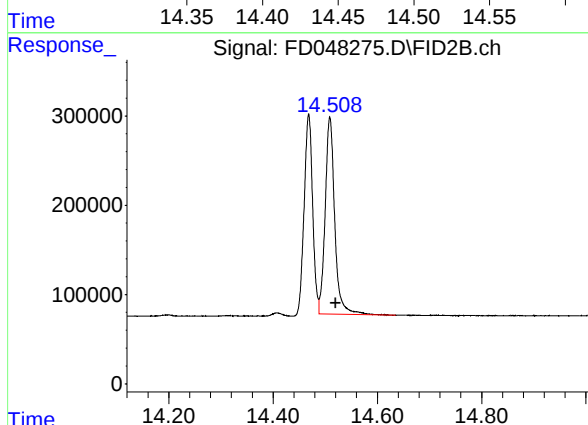
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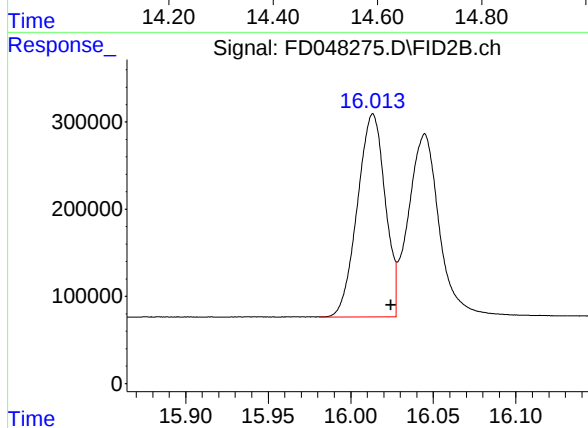
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.468 min
Delta R.T.: -0.013 min
Response: 2570039
Conc: 18.24 ug/ml m



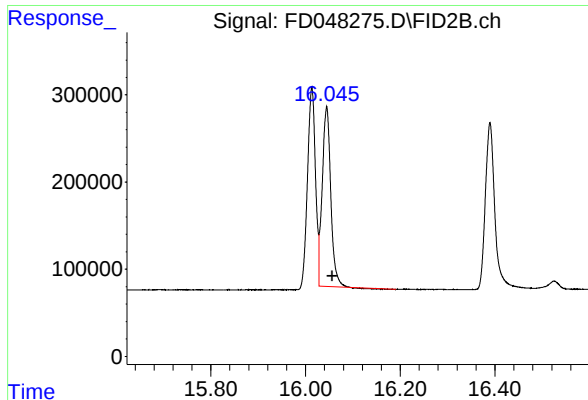
#15 Chrysene (C27.41)

R.T.: 14.509 min
Delta R.T.: -0.011 min
Response: 2814636
Conc: 17.66 ug/ml



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

R.T.: 16.013 min
Delta R.T.: -0.011 min
Response: 2741405
Conc: 18.46 ug/ml m



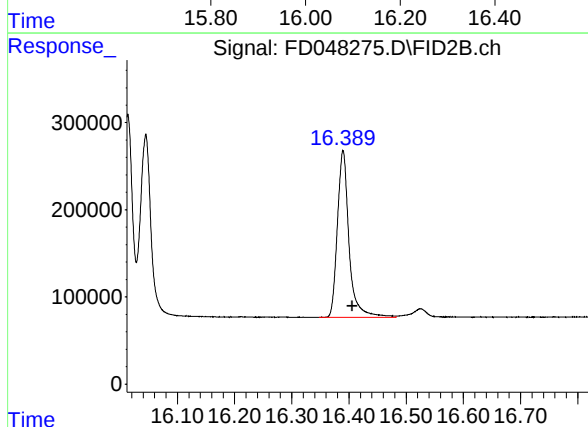
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.044 min
Delta R.T.: -0.012 min
Response: 2561061
Conc: 17.26 ug/ml

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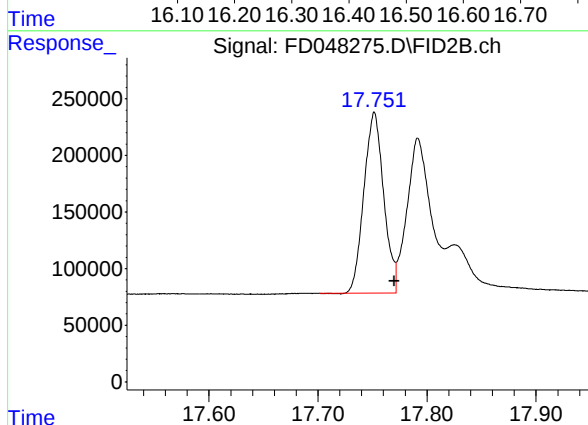
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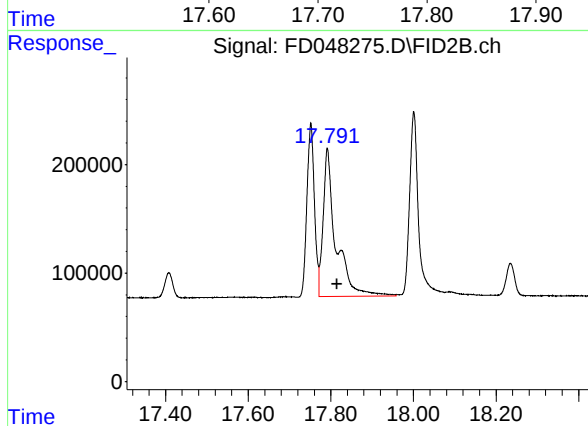
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.390 min
Delta R.T.: -0.017 min
Response: 2711400
Conc: 18.41 ug/ml



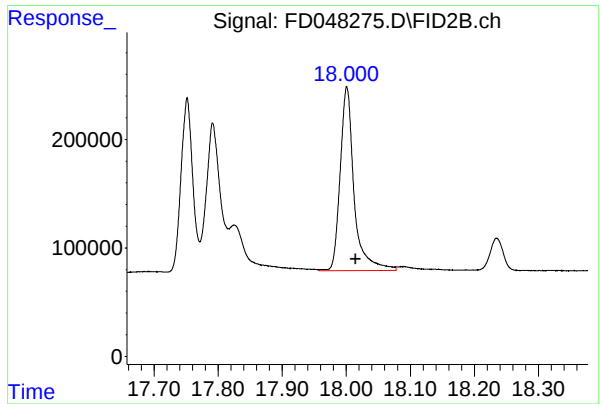
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.752 min
Delta R.T.: -0.018 min
Response: 2013708
Conc: 16.47 ug/ml



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

R.T.: 17.792 min
Delta R.T.: -0.023 min
Response: 2933453
Conc: 19.20 ug/ml



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

R.T.: 18.001 min
Delta R.T.: -0.014 min
Response: 2547951
Conc: 16.87 ug/ml

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