

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD080124AR\
 Data File : FD048113.D
 Signal(s) : FID2B.ch
 Acq On : 01 Aug 2024 13:46
 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 08/02/2024
 Supervised By :Ankita Jodhani 08/02/2024

Integration File: autoint1.e
 Quant Time: Aug 02 04:26:55 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071524.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 15 13:13:15 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...	7.403	3000508	20.188 ug/ml
Spiked Amount 50.000		Recovery =	40.38%
6) S 2-Fluorobiphenyl (SURR)	8.254	1952519	20.631 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.26%
11) S ortho-Terphenyl (SURR)	11.292	3349938	20.021 ug/ml
Spiked Amount 50.000		Recovery =	40.04%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.224	3357566	20.051 ug/ml
2) T Naphthalene (C11.7)	5.743	3461481	20.030 ug/ml
3) T 2-Methylnaphthalene (...)	6.791	3468459	19.994 ug/ml
5) T Acenaphthylene (C15.06)	8.057	3376091	19.700 ug/ml
7) T Acenaphthene (C15.5)	8.352	3426792	19.754 ug/ml
8) T Flouorene (C16.55)	9.130	3320223	20.442 ug/ml
9) T Phenanthrene (C19.36)	10.518	3232488	20.354 ug/ml
10) T Anthracene (C19.43)	10.593	2613039	16.549 ug/ml
12) T Fluoranthene (C21.85)	12.322	3250994	20.533 ug/ml
13) T Pyrene (C20.8)	12.616	3212263	20.314 ug/ml
14) T Benzo[a]anthracene (C...	14.485	2906780	21.291 ug/ml
15) T Chrysene (C27.41)	14.527	3063810	19.006 ug/ml
16) T benzo[b]fluoranthene ...	16.032	3077683	21.382 ug/ml
17) T Bnezo[k]fluoranthene ...	16.063	3002843	20.105 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.407	3005839	21.222 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.770	2694506	23.890 ug/mlm
20) T Dibenz[a,h]anthracene...	17.810	2879420	19.812 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.022	2986253	20.264 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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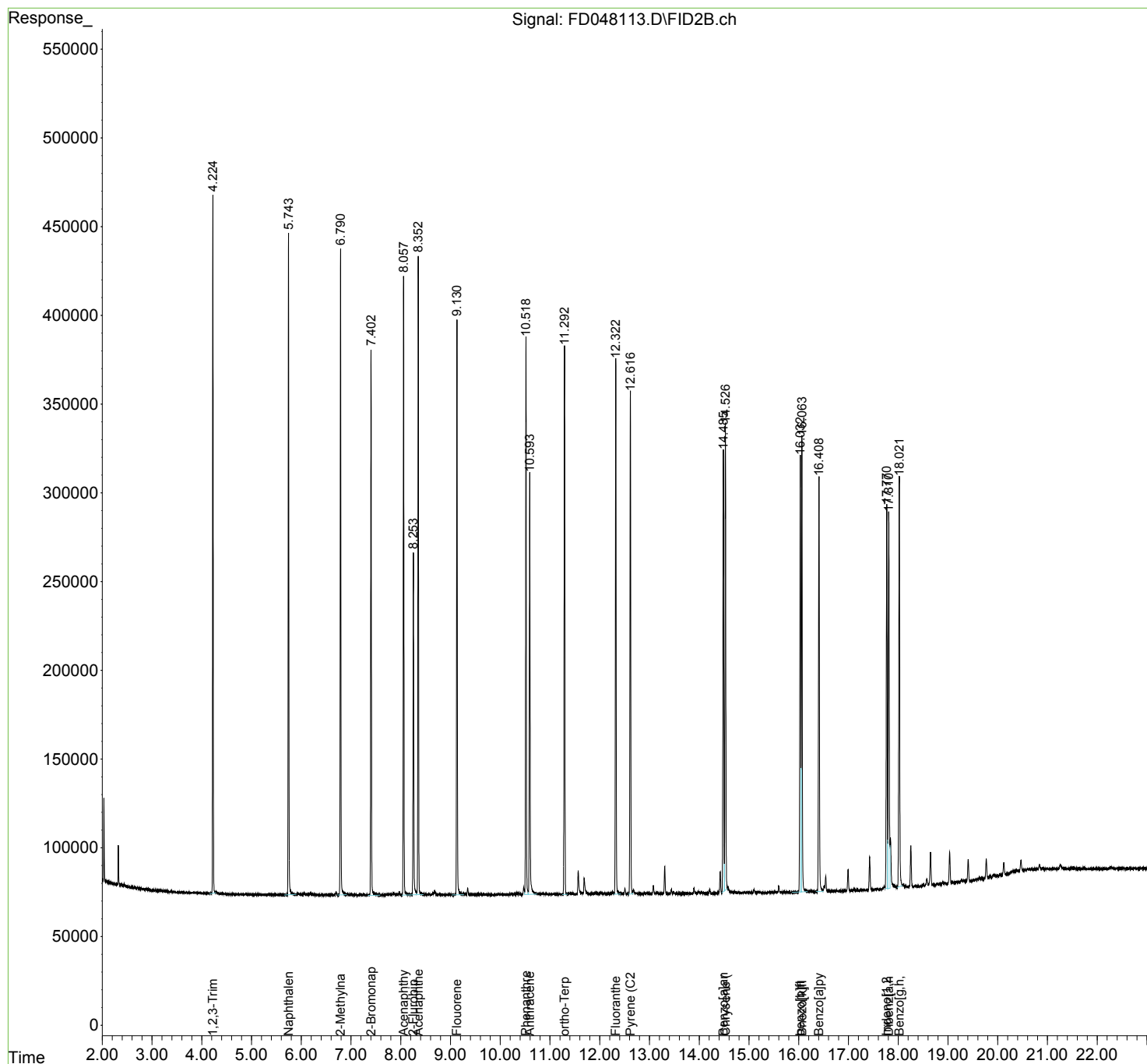
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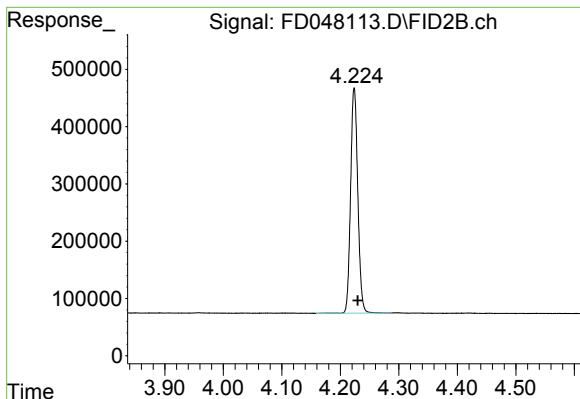
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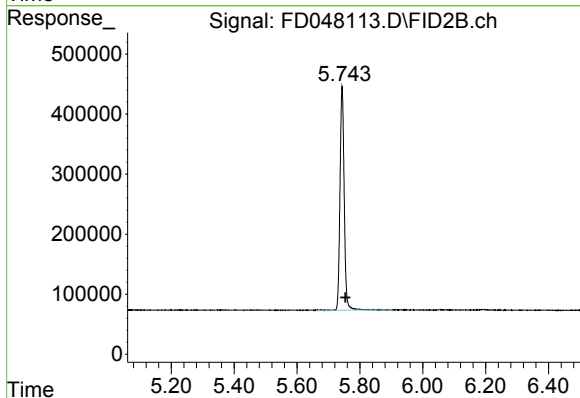
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.224 min
Delta R.T.: -0.006 min
Response: 3357566
Conc: 20.05 ug/ml

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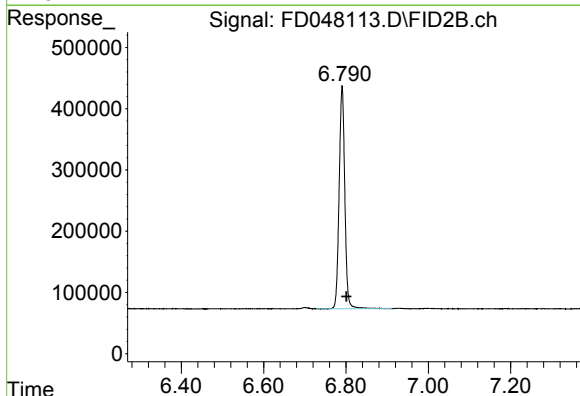
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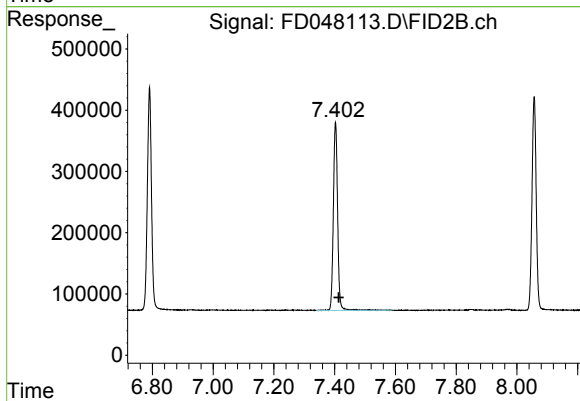
#2 Naphthalene (C11.7)

R.T.: 5.743 min
Delta R.T.: -0.010 min
Response: 3461481
Conc: 20.03 ug/ml



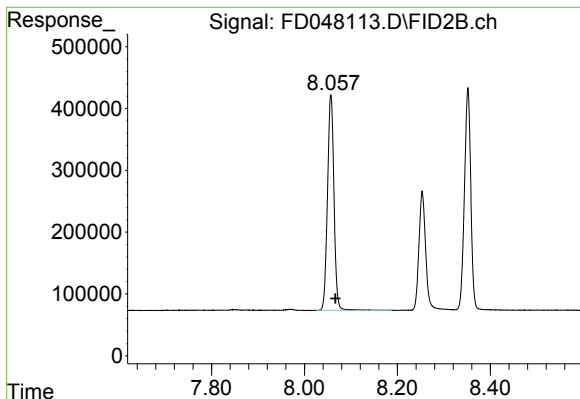
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.791 min
Delta R.T.: -0.010 min
Response: 3468459
Conc: 19.99 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.403 min
Delta R.T.: -0.010 min
Response: 3000508
Conc: 20.19 ug/ml



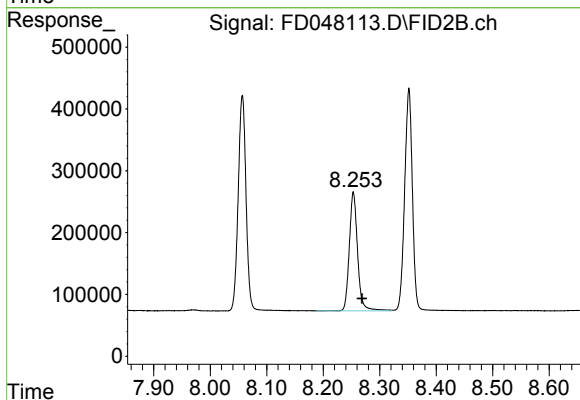
#5 Acenaphthylene (C15.06)

R.T.: 8.057 min
 Delta R.T.: -0.009 min
 Response: 3376091
 Conc: 19.70 ug/ml

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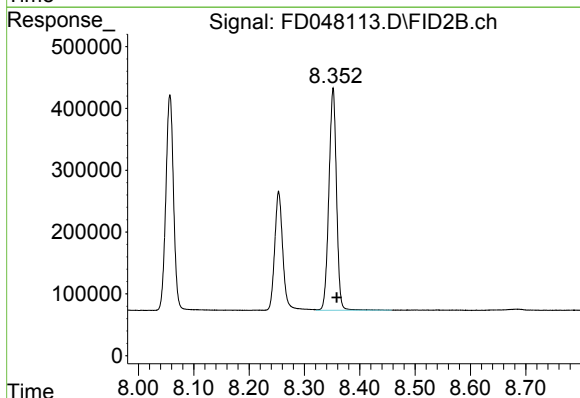
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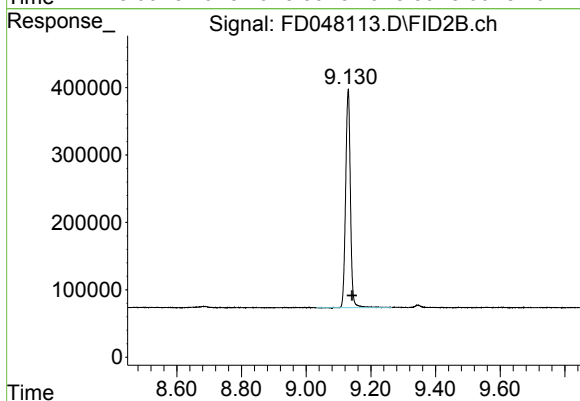
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.254 min
 Delta R.T.: -0.015 min
 Response: 1952519
 Conc: 20.63 ug/ml



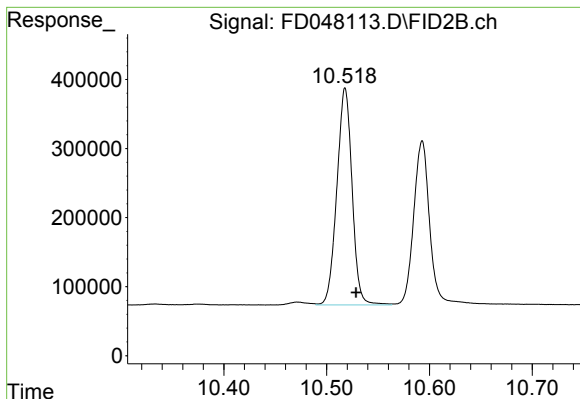
#7 Acenaphthene (C15.5)

R.T.: 8.352 min
 Delta R.T.: -0.007 min
 Response: 3426792
 Conc: 19.75 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.130 min
 Delta R.T.: -0.012 min
 Response: 3320223
 Conc: 20.44 ug/ml



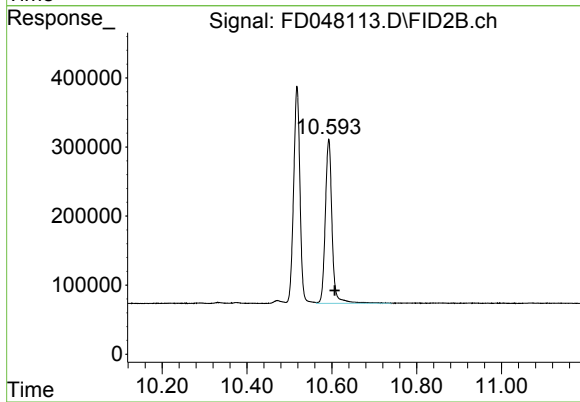
#9 Phenanthrene (C19.36)

R.T.: 10.518 min
Delta R.T.: -0.011 min
Response: 3232488
Conc: 20.35 ug/ml

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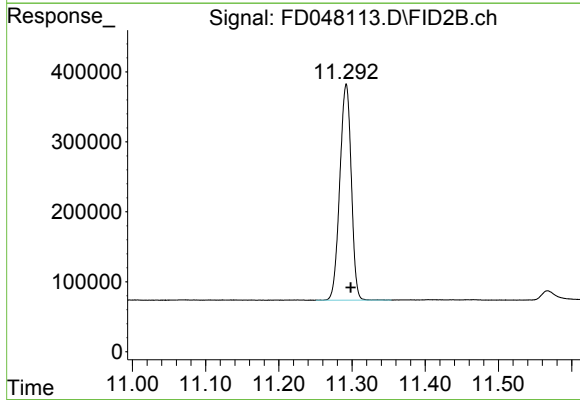
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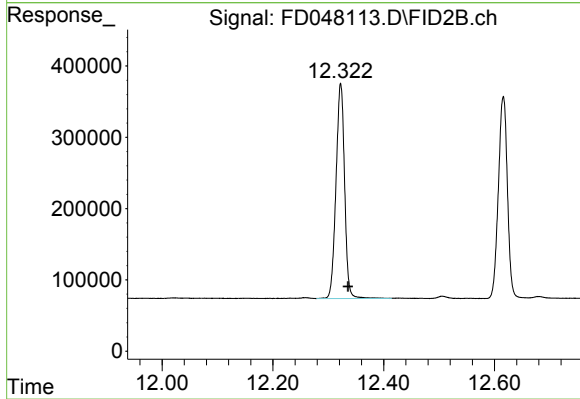
#10 Anthracene (C19.43)

R.T.: 10.593 min
Delta R.T.: -0.014 min
Response: 2613039
Conc: 16.55 ug/ml



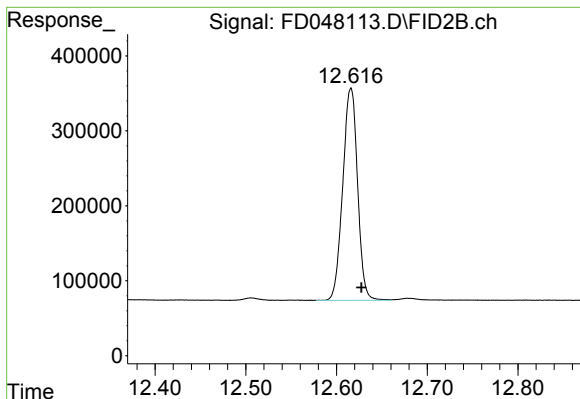
#11 ortho-Terphenyl (SURR)

R.T.: 11.292 min
Delta R.T.: -0.007 min
Response: 3349938
Conc: 20.02 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.322 min
Delta R.T.: -0.014 min
Response: 3250994
Conc: 20.53 ug/ml



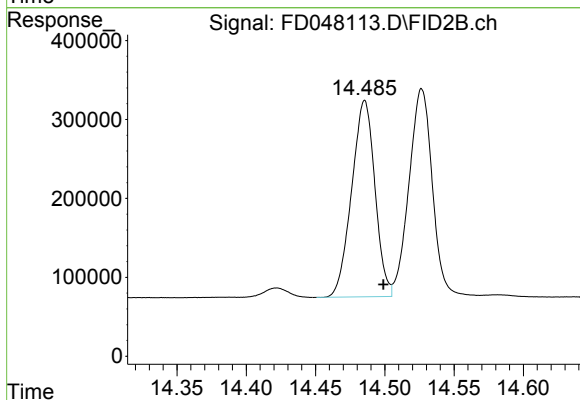
#13 Pyrene (C20.8)

R.T.: 12.616 min
Delta R.T.: -0.012 min
Response: 3212263
Conc: 20.31 ug/ml

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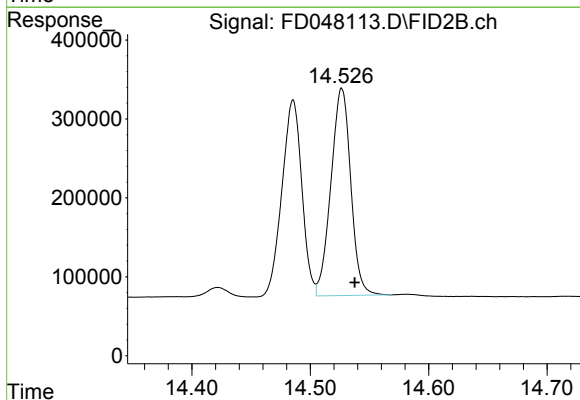
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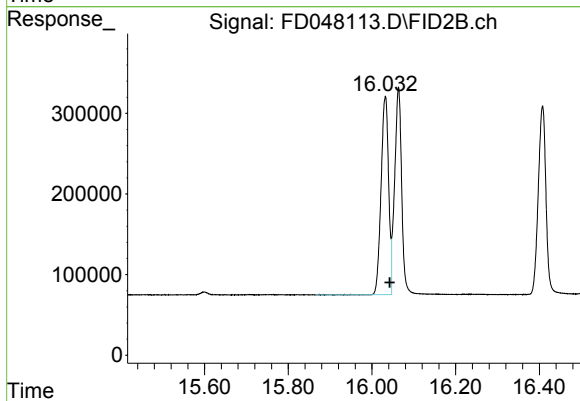
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.485 min
Delta R.T.: -0.014 min
Response: 2906780
Conc: 21.29 ug/ml



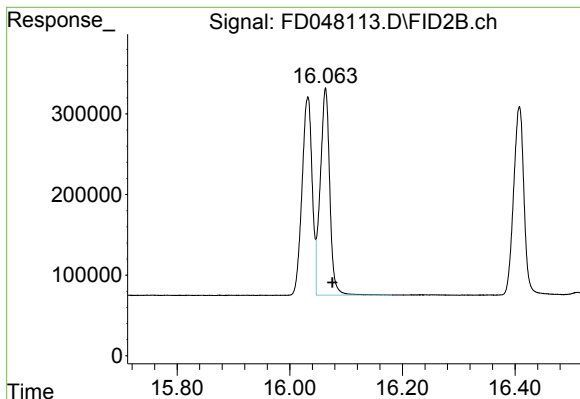
#15 Chrysene (C27.41)

R.T.: 14.527 min
Delta R.T.: -0.011 min
Response: 3063810
Conc: 19.01 ug/ml



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

R.T.: 16.032 min
Delta R.T.: -0.011 min
Response: 3077683
Conc: 21.38 ug/ml



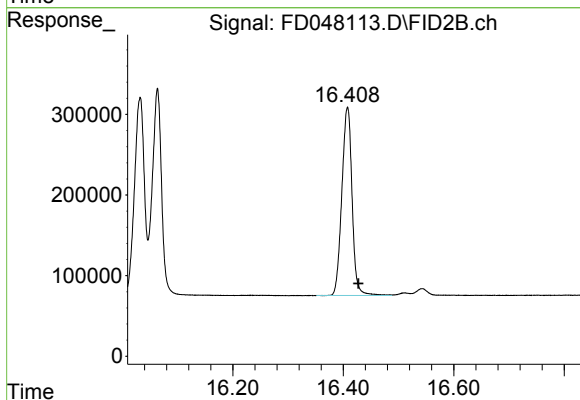
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.063 min
Delta R.T.: -0.012 min
Response: 3002843
Conc: 20.11 ug/ml

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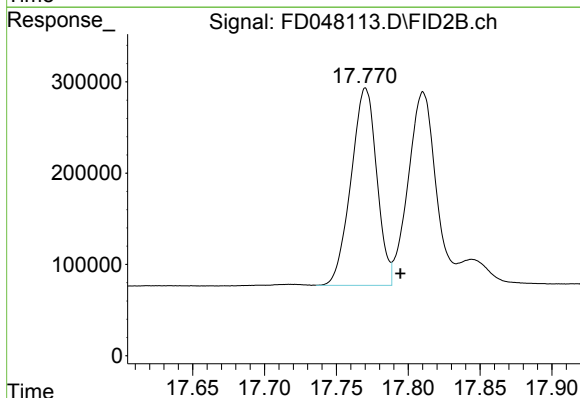
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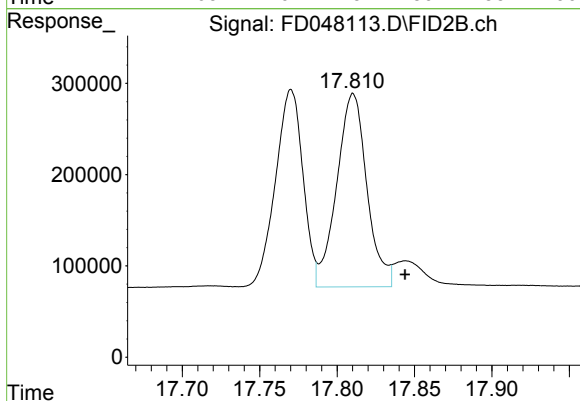
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.407 min
Delta R.T.: -0.020 min
Response: 3005839
Conc: 21.22 ug/ml



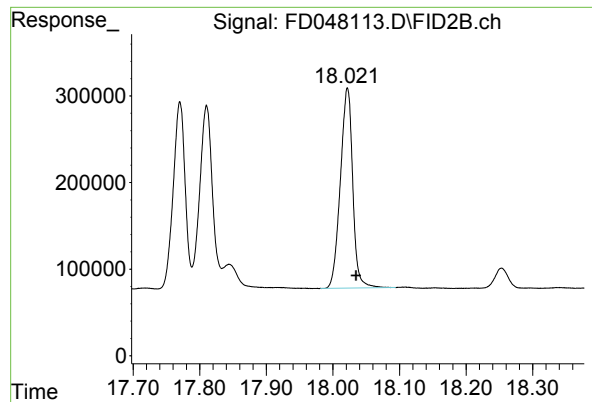
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.770 min
Delta R.T.: -0.025 min
Response: 2694506
Conc: 23.89 ug/ml m



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

R.T.: 17.810 min
Delta R.T.: -0.034 min
Response: 2879420
Conc: 19.81 ug/ml m



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

R.T.: 18.022 min
Delta R.T.: -0.013 min
Response: 2986253
Conc: 20.26 ug/ml

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