

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD121024AR\
 Data File : FD048865.D
 Signal(s) : FID2B.ch
 Acq On : 10 Dec 2024 04:48
 Operator : YP/AJ
 Sample : 10 PPM AROMATIC HC STD4
 Misc :
 ALS Vial : 74 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 10 PPM AROMATIC HC STD4

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/10/2024
 Supervised By :Ankita Jodhani 12/10/2024

Integration File: autoint1.e
 Quant Time: Dec 10 06:01:32 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 10 05:59:54 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...	7.363	1801246	10.632 ug/ml
Spiked Amount 50.000		Recovery =	21.26%
6) S 2-Fluorobiphenyl (SURR)	8.216	1109904	10.390 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	20.78%
11) S ortho-Terphenyl (SURR)	11.246	1959151	10.939 ug/ml
Spiked Amount 50.000		Recovery =	21.88%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.187	2071069	10.901 ug/ml
2) T Naphthalene (C11.7)	5.704	2131881	10.919 ug/mlm
3) T 2-Methylnaphthalene (...)	6.751	2042623	10.983 ug/ml
5) T Acenaphthylene (C15.06)	8.015	2048400	10.930 ug/ml
7) T Acenaphthene (C15.5)	8.307	2063315	11.136 ug/ml
8) T Flouorene (C16.55)	9.090	1967074	10.852 ug/ml
9) T Phenanthrene (C19.36)	10.475	1818745	10.782 ug/ml
10) T Anthracene (C19.43)	10.553	1860334	10.852 ug/ml
12) T Fluoranthene (C21.85)	12.281	1813128	10.930 ug/ml
13) T Pyrene (C20.8)	12.574	1808967	11.140 ug/ml
14) T Benzo[a]anthracene (C...	14.444	1368072	9.824 ug/ml
15) T Chrysene (C27.41)	14.483	1837551	11.641 ug/ml
16) T benzo[b]fluoranthene ...	15.988	1450632	10.392 ug/ml
17) T Bnezo[k]fluoranthene ...	16.020	1704463	11.493 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.372	1522903	10.904 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.737	1050378	9.832 ug/ml
20) T Dibenz[a,h]anthracene...	17.781	1689181	11.158 ug/ml
21) T Benzo[g,h,i]perylene ...	17.983	1561028	11.024 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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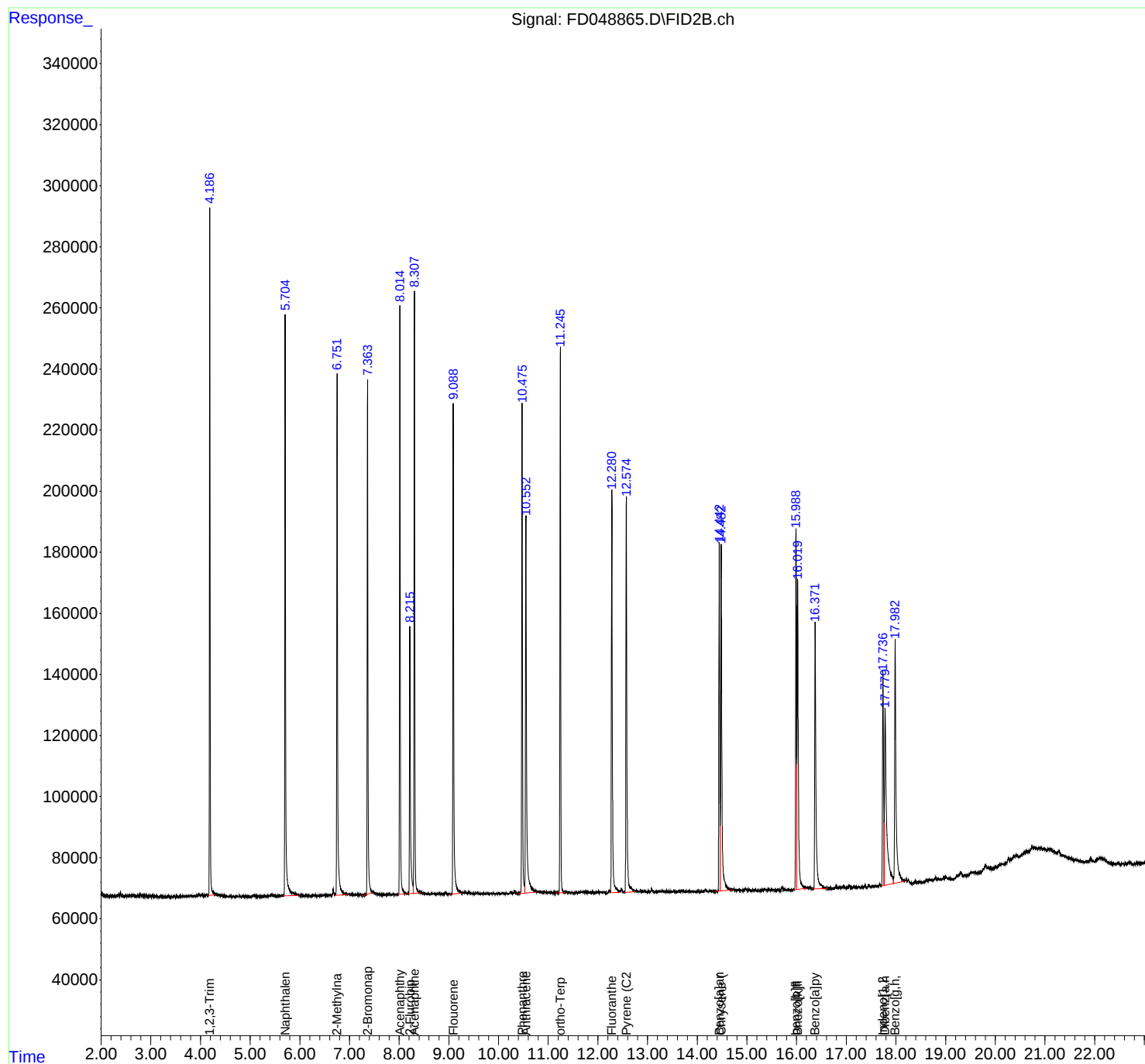
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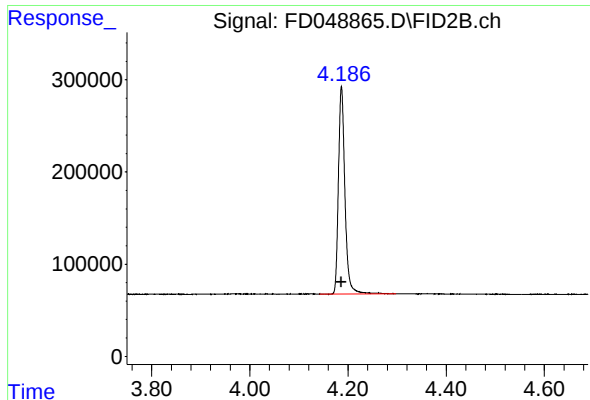
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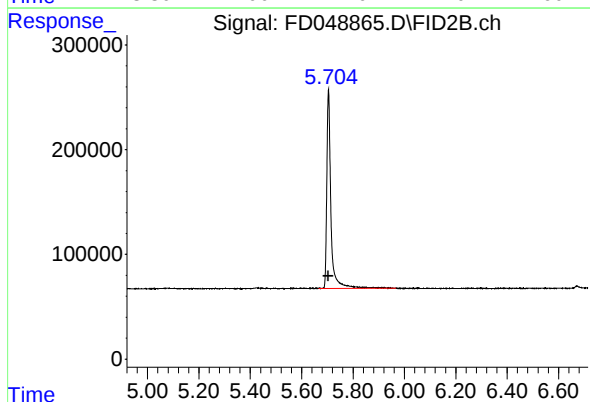
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.187 min
Delta R.T.: 0.001 min
Response: 2071069
Conc: 10.90 ug/ml

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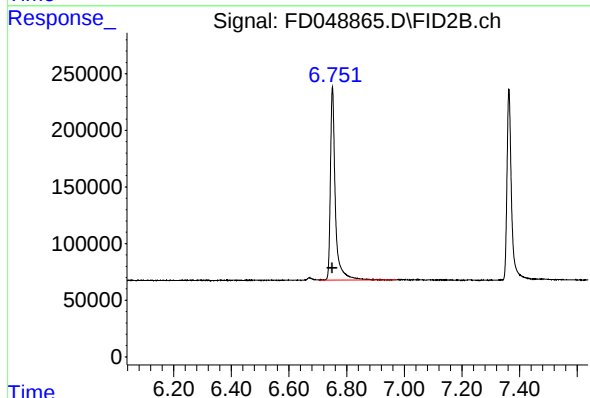
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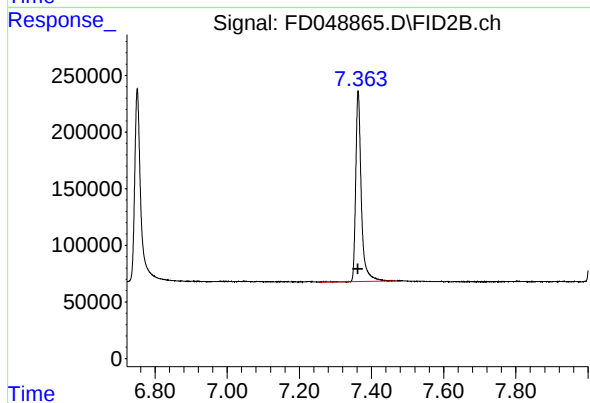
#2 Naphthalene (C11.7)

R.T.: 5.704 min
Delta R.T.: 0.000 min
Response: 2131881
Conc: 10.92 ug/ml m



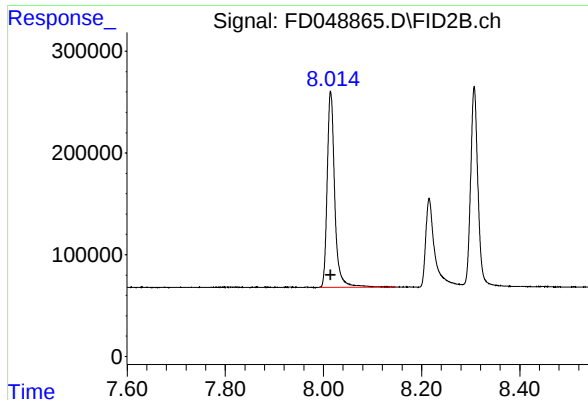
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.751 min
Delta R.T.: 0.001 min
Response: 2042623
Conc: 10.98 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.363 min
Delta R.T.: 0.000 min
Response: 1801246
Conc: 10.63 ug/ml



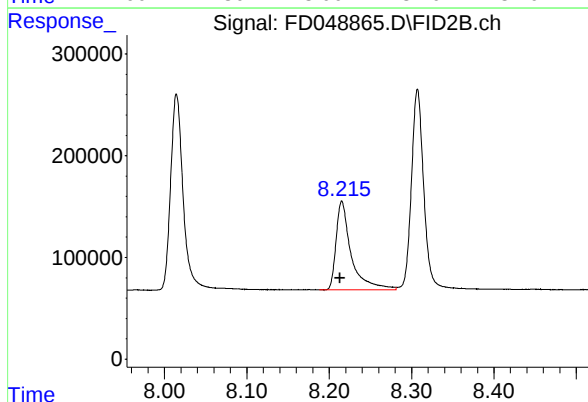
#5 Acenaphthylene (C15.06)

R.T.: 8.015 min
Delta R.T.: 0.000 min
Response: 2048400
Conc: 10.93 ug/ml

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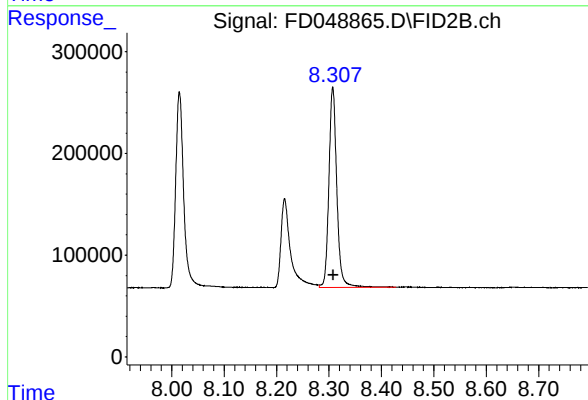
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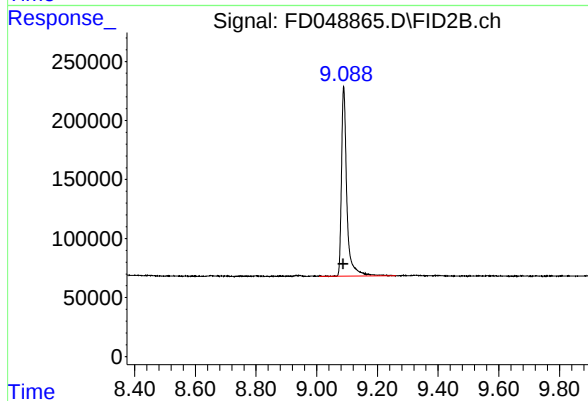
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.216 min
Delta R.T.: 0.003 min
Response: 1109904
Conc: 10.39 ug/ml



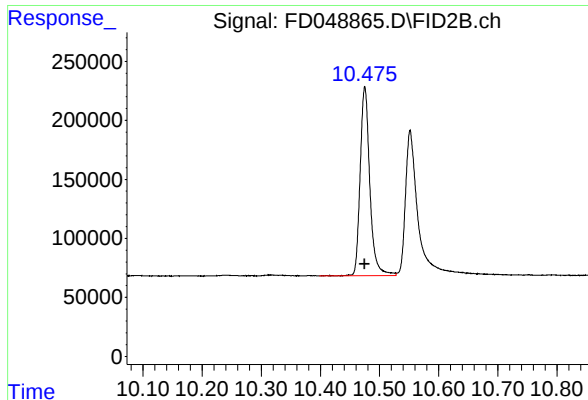
#7 Acenaphthene (C15.5)

R.T.: 8.307 min
Delta R.T.: 0.000 min
Response: 2063315
Conc: 11.14 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.090 min
Delta R.T.: 0.002 min
Response: 1967074
Conc: 10.85 ug/ml



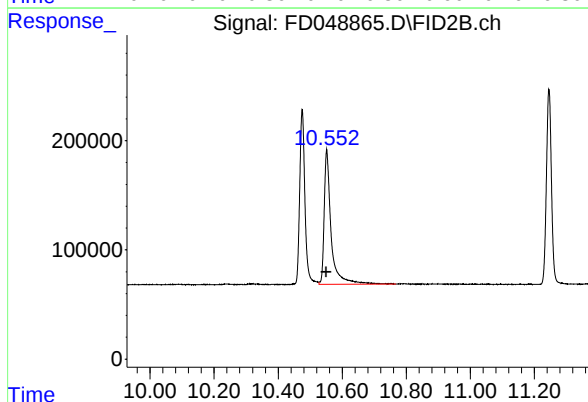
#9 Phenanthrene (C19.36)

R.T.: 10.475 min
Delta R.T.: 0.000 min
Response: 1818745
Conc: 10.78 ug/ml

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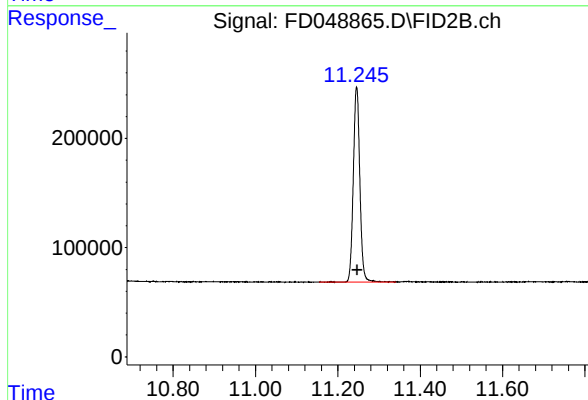
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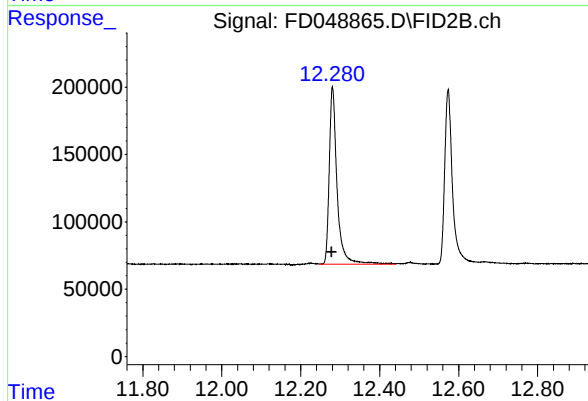
#10 Anthracene (C19.43)

R.T.: 10.553 min
Delta R.T.: 0.002 min
Response: 1860334
Conc: 10.85 ug/ml



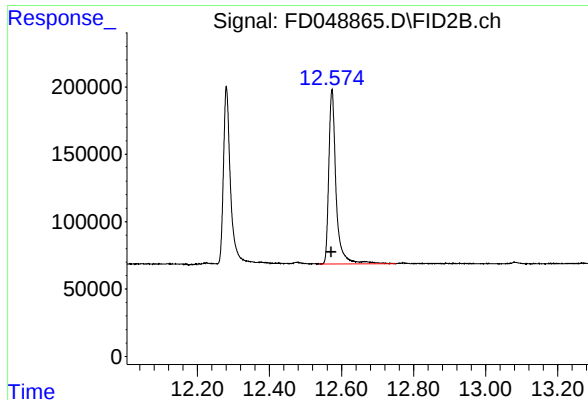
#11 ortho-Terphenyl (SURR)

R.T.: 11.246 min
Delta R.T.: -0.001 min
Response: 1959151
Conc: 10.94 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.281 min
Delta R.T.: 0.003 min
Response: 1813128
Conc: 10.93 ug/ml



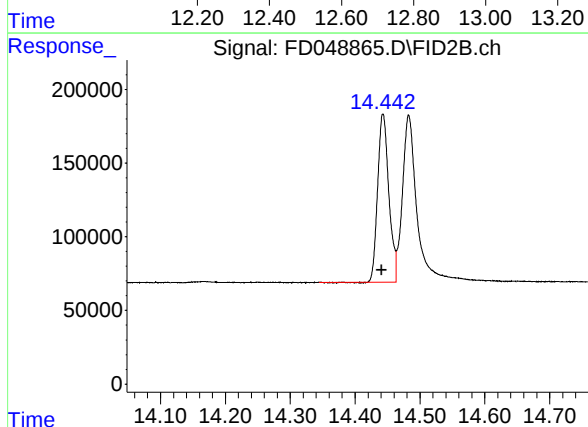
#13 Pyrene (C20.8)

R.T.: 12.574 min
Delta R.T.: 0.002 min
Response: 1808967
Conc: 11.14 ug/ml

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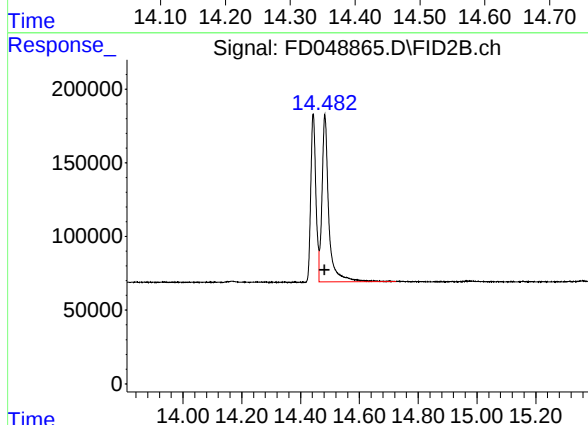
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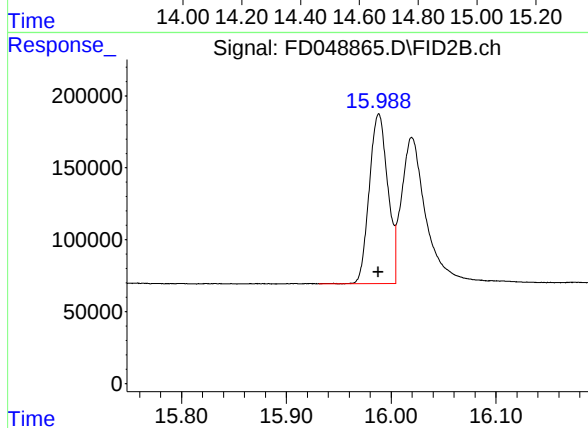
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.444 min
Delta R.T.: 0.003 min
Response: 1368072
Conc: 9.82 ug/ml



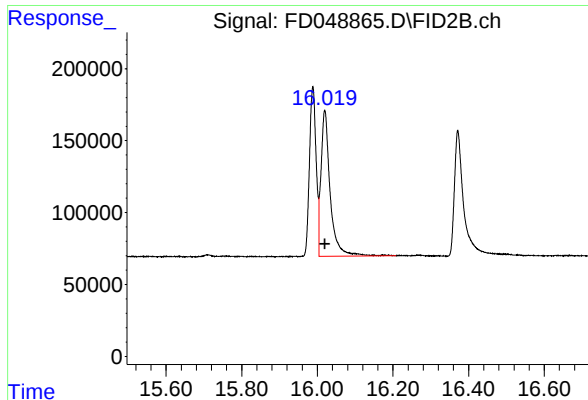
#15 Chrysene (C27.41)

R.T.: 14.483 min
Delta R.T.: 0.001 min
Response: 1837551
Conc: 11.64 ug/ml



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

R.T.: 15.988 min
Delta R.T.: 0.000 min
Response: 1450632
Conc: 10.39 ug/ml



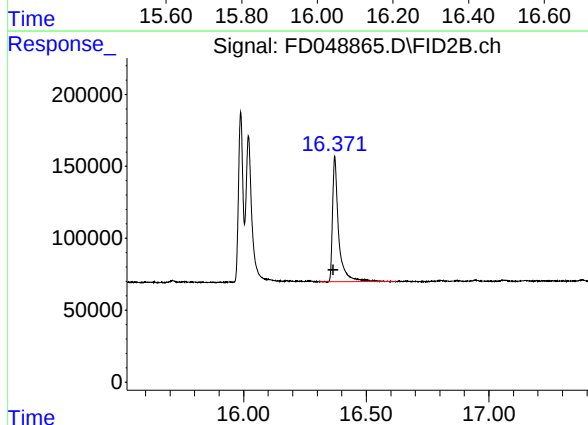
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.020 min
Delta R.T.: 0.000 min
Response: 1704463
Conc: 11.49 ug/ml

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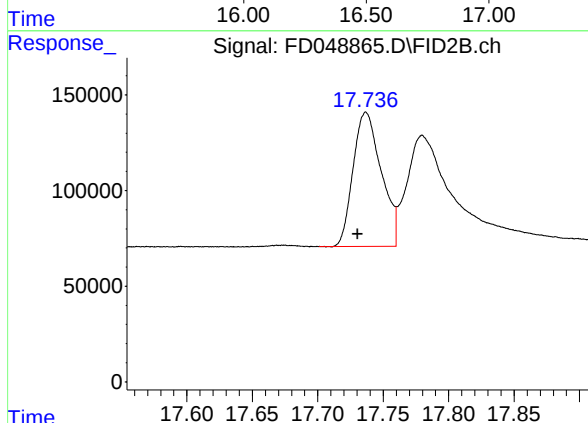
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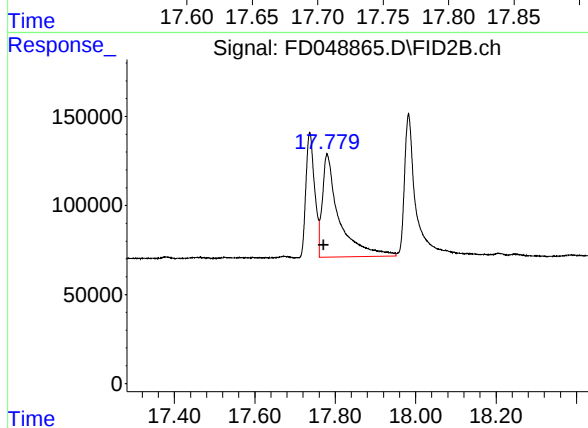
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.372 min
Delta R.T.: 0.006 min
Response: 1522903
Conc: 10.90 ug/ml



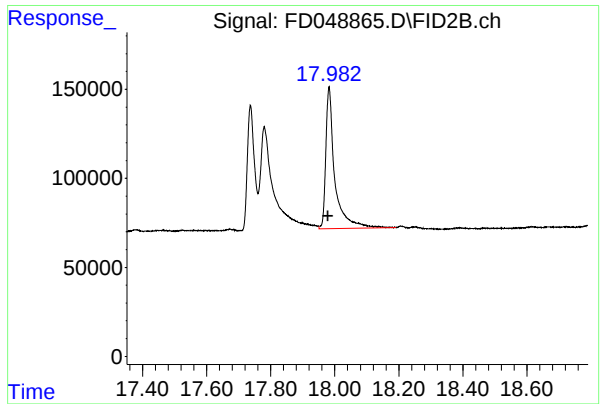
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.737 min
Delta R.T.: 0.007 min
Response: 1050378
Conc: 9.83 ug/ml



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

R.T.: 17.781 min
Delta R.T.: 0.010 min
Response: 1689181
Conc: 11.16 ug/ml



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

R.T.: 17.983 min
Delta R.T.: 0.004 min
Response: 1561028
Conc: 11.02 ug/ml

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