

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060222AR\
 Data File : FD042755.D
 Signal(s) : FID2B.CH
 Acq On : 03 Jun 2022 4:38
 Operator : UA/NP
 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 06/03/2022
 Supervised By :Ankita Jodhani 06/03/2022

Integration File: autoint1.e
 Quant Time: Jun 03 05:18:40 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052722.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 01 10:34:31 2022
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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...	7.668	2825571	18.491 ug/ml
Spiked Amount 50.000		Recovery =	36.98%
6) S 2-Fluorobiphenyl (SURR)	8.533	1881622	18.296 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	36.59%
11) S ortho-Terphenyl (SURR)	11.583	3079129	17.345 ug/ml
Spiked Amount 50.000		Recovery =	34.69%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.460	3160954	18.880 ug/ml
2) T Naphthalene (C11.7)	6.003	3252625	18.813 ug/ml
3) T 2-Methylnaphthalene (...)	7.057	2961606	18.572 ug/ml
5) T Acenaphthylene (C15.06)	8.337	3094179	17.909 ug/ml
7) T Acenaphthene (C15.5)	8.633	3100347	18.018 ug/ml
8) T Flouorene (C16.55)	9.415	3027951	18.036 ug/ml
9) T Phenanthrene (C19.36)	10.815	2886112	17.551 ug/ml
10) T Anthracene (C19.43)	10.889	2602903	17.030 ug/ml
12) T Fluoranthene (C21.85)	12.630	2666406	16.925 ug/ml
13) T Pyrene (C20.8)	12.927	2607101	16.746 ug/ml
14) T Benzo[a]anthracene (C...	14.801	2451413	18.386 ug/ml
15) T Chrysene (C27.41)	14.844	2537559	19.207 ug/ml
16) T benzo[b]fluoranthene ...	16.354	2572038	19.307 ug/ml
17) T Bnezo[k]fluoranthene ...	16.387	2475385	19.986 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.733	2400825	19.397 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.099	2270018	20.366 ug/mlm
20) T Dibenz[a,h]anthracene...	18.139	2572909	23.130 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.356	2399895	20.192 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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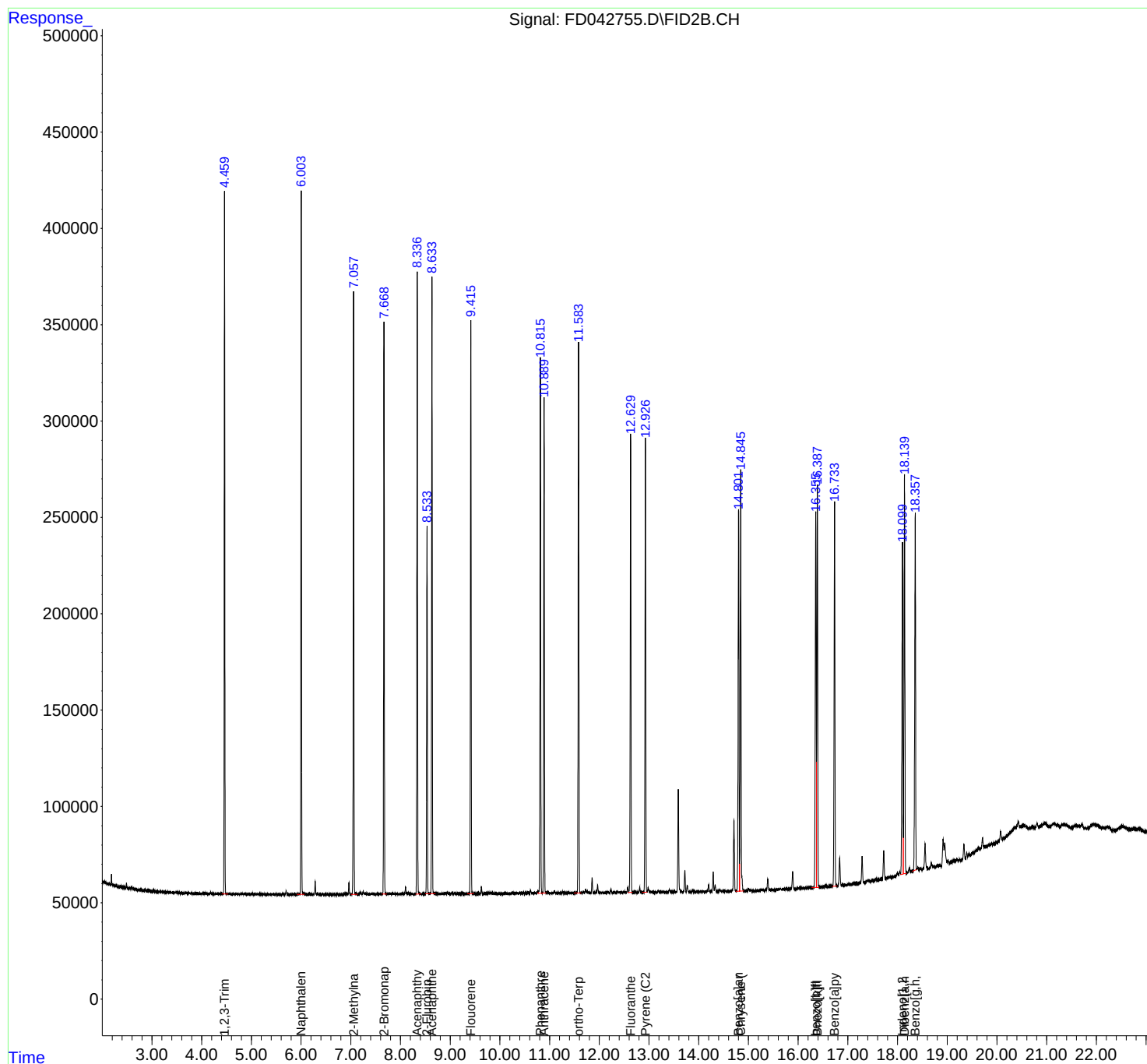
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20 PPM AROMATIC HC STD

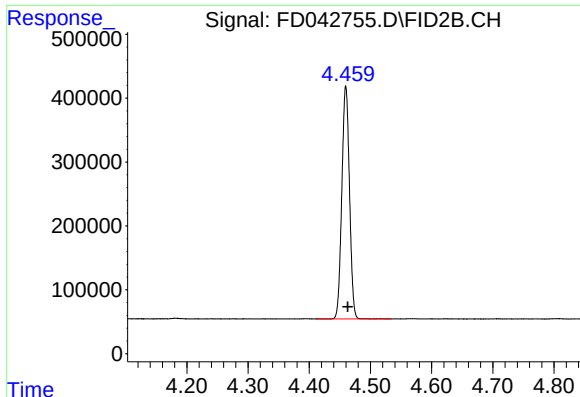
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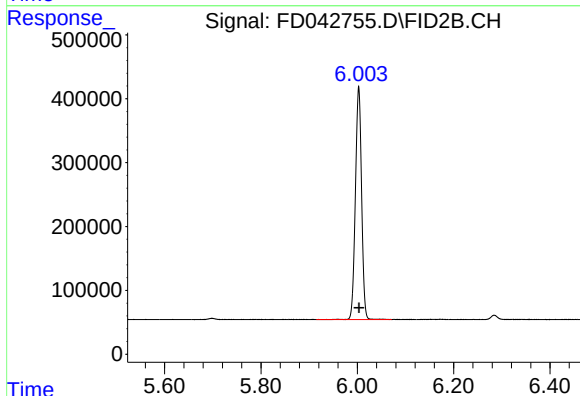
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.460 min
Delta R.T.: -0.003 min
Response: 3160954
Conc: 18.88 ug/ml

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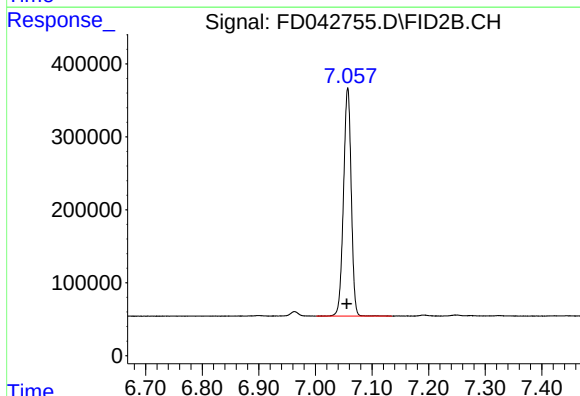
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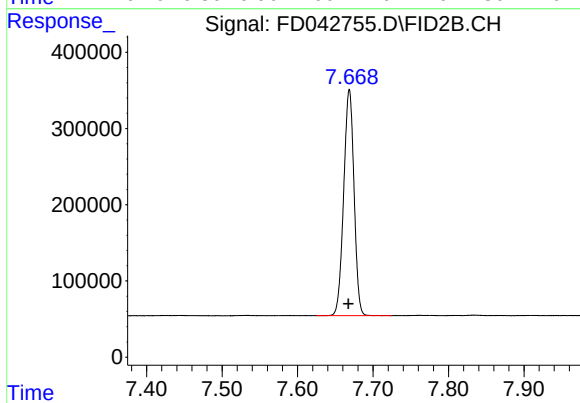
#2 Naphthalene (C11.7)

R.T.: 6.003 min
Delta R.T.: -0.001 min
Response: 3252625
Conc: 18.81 ug/ml



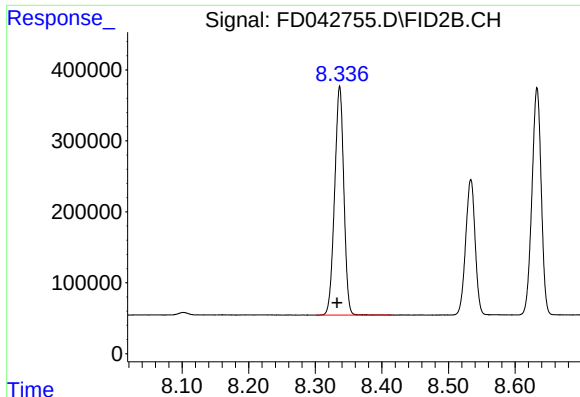
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.057 min
Delta R.T.: 0.001 min
Response: 2961606
Conc: 18.57 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.668 min
Delta R.T.: 0.001 min
Response: 2825571
Conc: 18.49 ug/ml



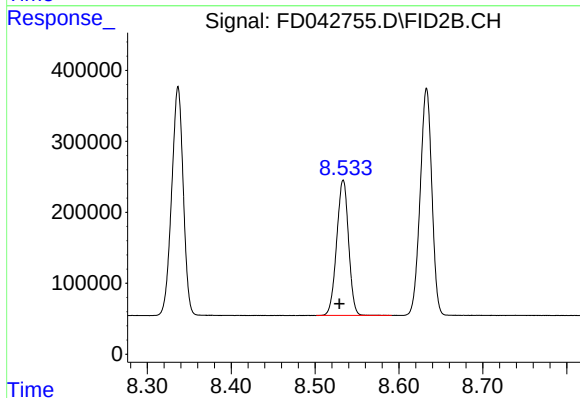
#5 Acenaphthylene (C15.06)

R.T.: 8.337 min
Delta R.T.: 0.004 min
Response: 3094179
Conc: 17.91 ug/ml

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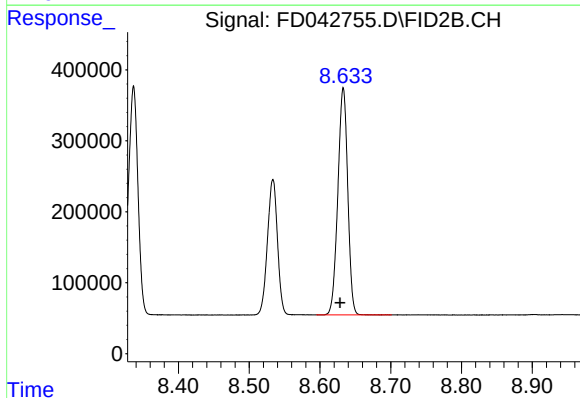
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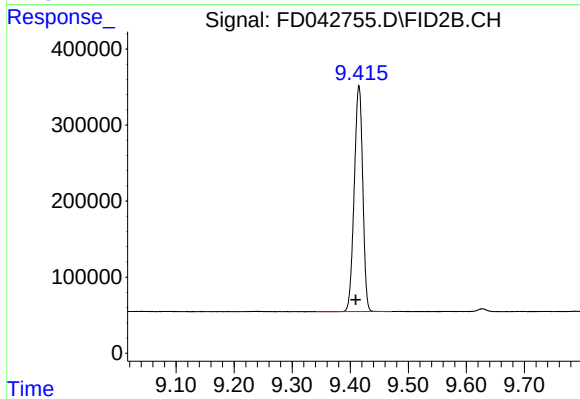
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.533 min
Delta R.T.: 0.004 min
Response: 1881622
Conc: 18.30 ug/ml



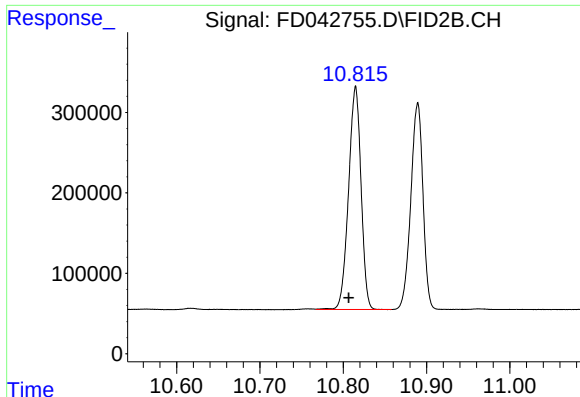
#7 Acenaphthene (C15.5)

R.T.: 8.633 min
Delta R.T.: 0.004 min
Response: 3100347
Conc: 18.02 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.415 min
Delta R.T.: 0.005 min
Response: 3027951
Conc: 18.04 ug/ml



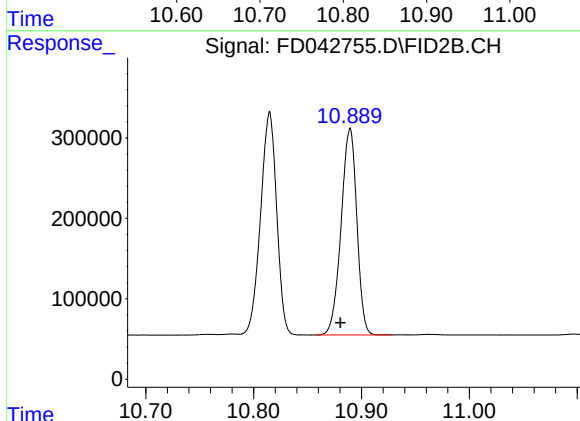
#9 Phenanthrene (C19.36)

R.T.: 10.815 min
Delta R.T.: 0.008 min
Response: 2886112
Conc: 17.55 ug/ml

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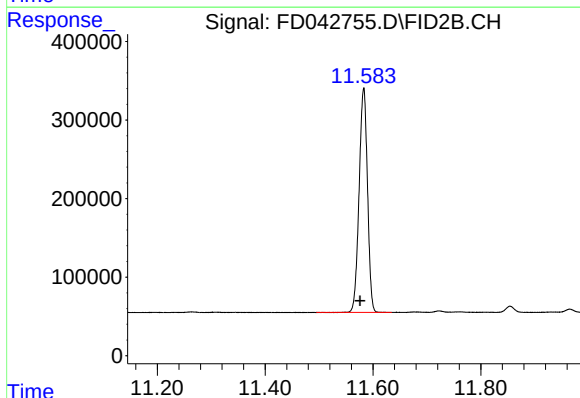
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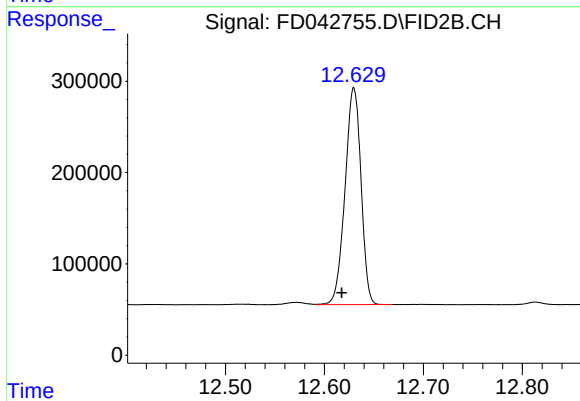
#10 Anthracene (C19.43)

R.T.: 10.889 min
Delta R.T.: 0.009 min
Response: 2602903
Conc: 17.03 ug/ml



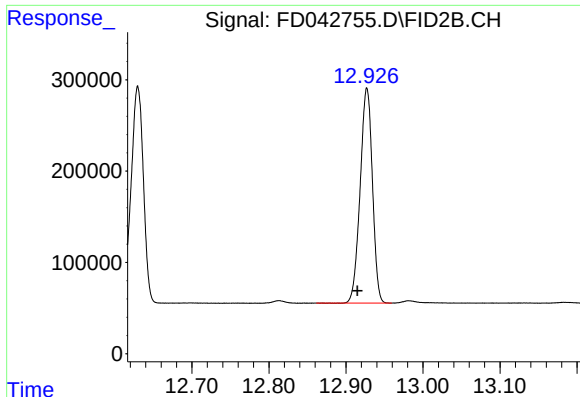
#11 ortho-Terphenyl (SURR)

R.T.: 11.583 min
Delta R.T.: 0.006 min
Response: 3079129
Conc: 17.34 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.630 min
Delta R.T.: 0.012 min
Response: 2666406
Conc: 16.92 ug/ml



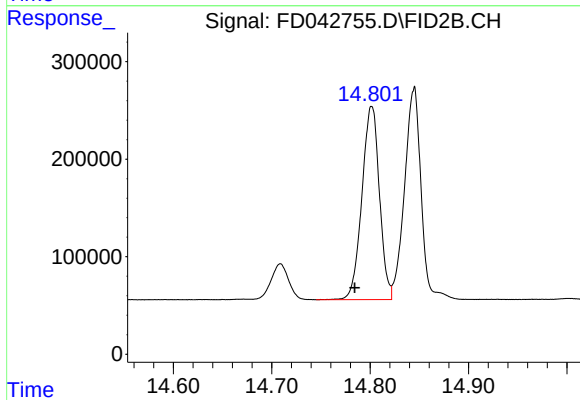
#13 Pyrene (C20.8)

R.T.: 12.927 min
Delta R.T.: 0.012 min
Response: 2607101
Conc: 16.75 ug/ml

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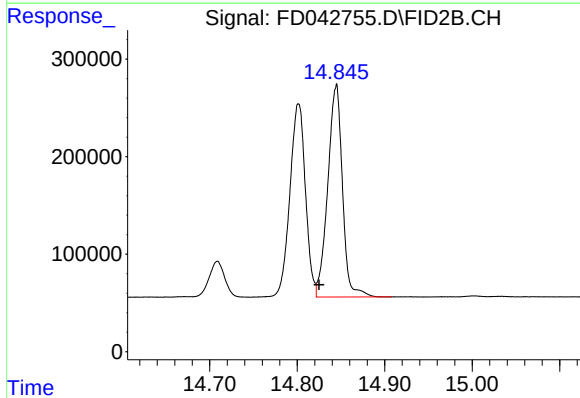
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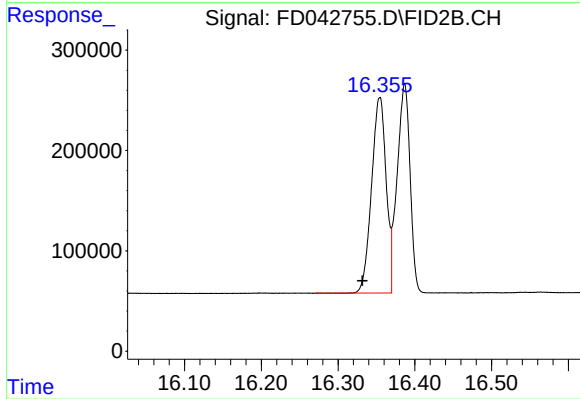
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.801 min
Delta R.T.: 0.017 min
Response: 2451413
Conc: 18.39 ug/ml



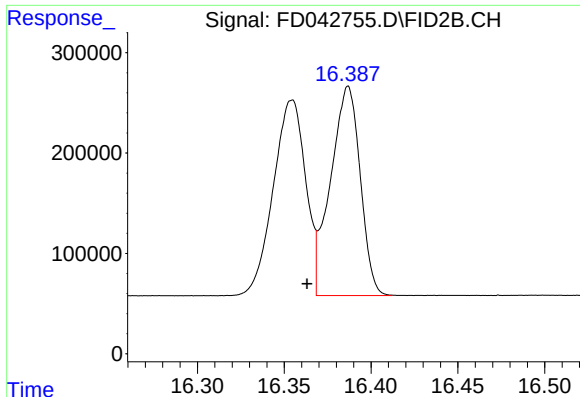
#15 Chrysene (C27.41)

R.T.: 14.844 min
Delta R.T.: 0.019 min
Response: 2537559
Conc: 19.21 ug/ml



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

R.T.: 16.354 min
Delta R.T.: 0.022 min
Response: 2572038
Conc: 19.31 ug/ml



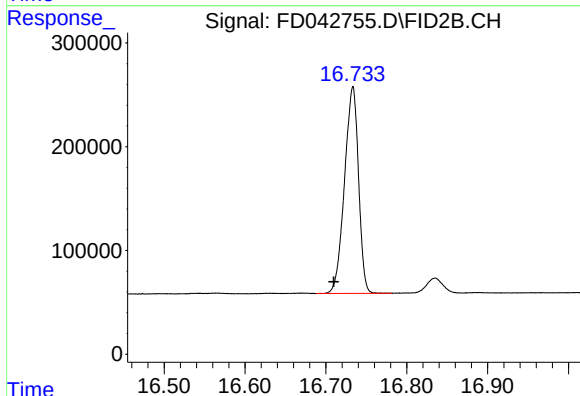
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.387 min
Delta R.T.: 0.024 min
Response: 2475385
Conc: 19.99 ug/ml

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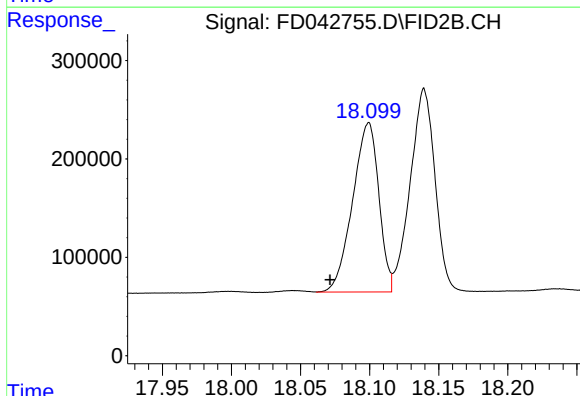
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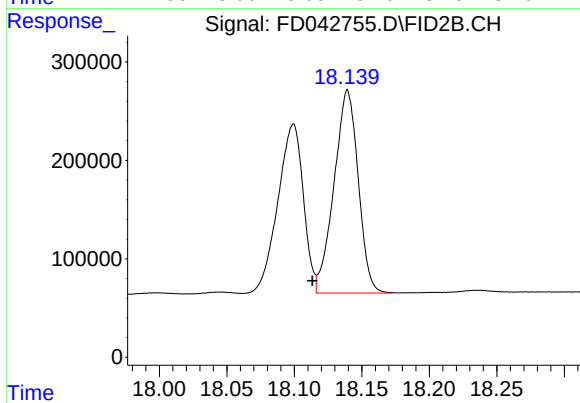
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.733 min
Delta R.T.: 0.023 min
Response: 2400825
Conc: 19.40 ug/ml



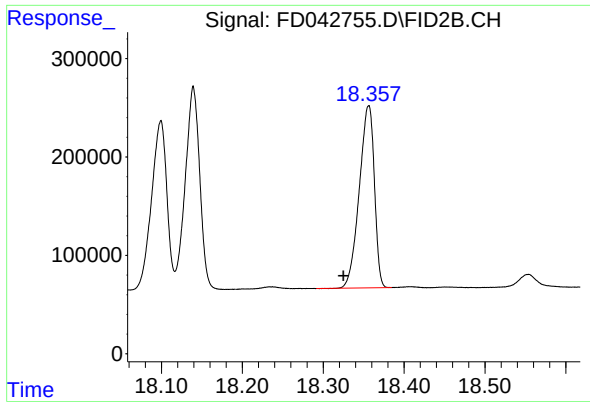
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.099 min
Delta R.T.: 0.028 min
Response: 2270018
Conc: 20.37 ug/ml m



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

R.T.: 18.139 min
Delta R.T.: 0.026 min
Response: 2572909
Conc: 23.13 ug/ml m



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

R.T.: 18.356 min
Delta R.T.: 0.031 min
Response: 2399895
Conc: 20.19 ug/ml

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