

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012925AR\
 Data File : FG015228.D
 Signal(s) : FID1A.ch
 Acq On : 29 Jan 2025 19:47
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :Ankita Jodhani 01/30/2025

Integration File: autoint1.e
 Quant Time: Jan 30 02:56:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 011425.M
 Quant Title : GC Extractables
 QLast Update : Wed Jan 15 07:05:42 2025
 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...	7.981	2934518	22.231 ug/ml
Spiked Amount 50.000		Recovery =	44.46%
6) S 2-Fluorobiphenyl (SURR)	8.857	1994839	23.633 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	47.27%
11) S ortho-Terphenyl (SURR)	11.936	3304482	19.196 ug/ml
Spiked Amount 50.000		Recovery =	38.39%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.572	3138115	19.564 ug/ml
2) T Naphthalene (C11.7)	6.249	3280999	20.463 ug/ml
3) T 2-Methylnaphthalene (...)	7.350	3231748	20.323 ug/ml
5) T Acenaphthylene (C15.06)	8.656	3285832	20.679 ug/ml
7) T Acenaphthene (C15.5)	8.958	3230115	19.809 ug/ml
8) T Flouorene (C16.55)	9.750	3271976	20.780 ug/ml
9) T Phenanthrene (C19.36)	11.161	3151361	19.737 ug/ml
10) T Anthracene (C19.43)	11.236	2659759	18.015 ug/ml
12) T Fluoranthene (C21.85)	12.988	3119409	18.856 ug/ml
13) T Pyrene (C20.8)	13.287	3089199	19.072 ug/ml
14) T Benzo[a]anthracene (C...	15.173	2859256	19.166 ug/ml
15) T Chrysene (C27.41)	15.217	2900352	18.672 ug/mlm
16) T benzo[b]fluoranthene ...	16.735	2901387	19.606 ug/ml
17) T Bnezo[k]fluoranthene ...	16.767	2905567	20.550 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.116	2755532	19.394 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.490	2713522	21.534 ug/ml
20) T Dibenz[a,h]anthracene...	18.532	3170409	21.429 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.747	2870620	21.265 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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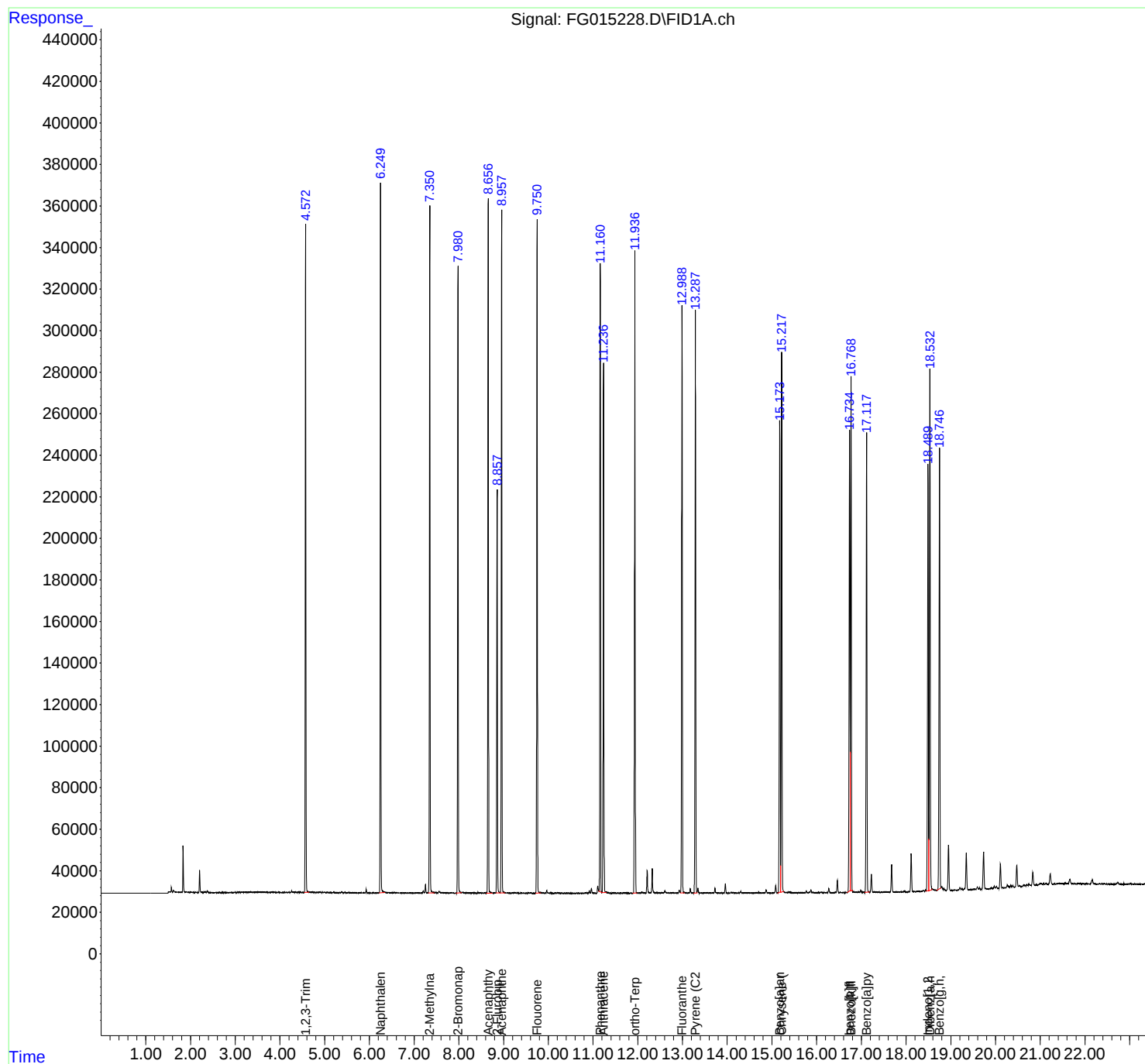
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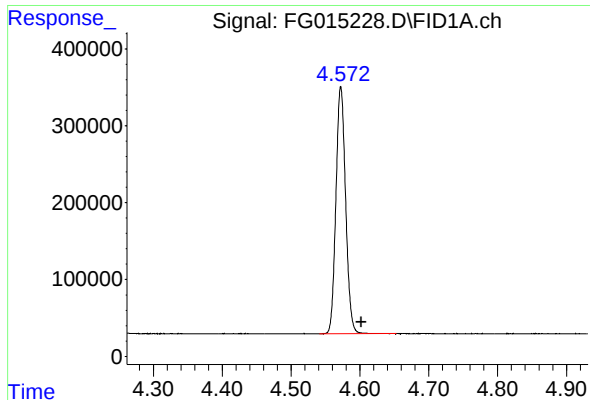
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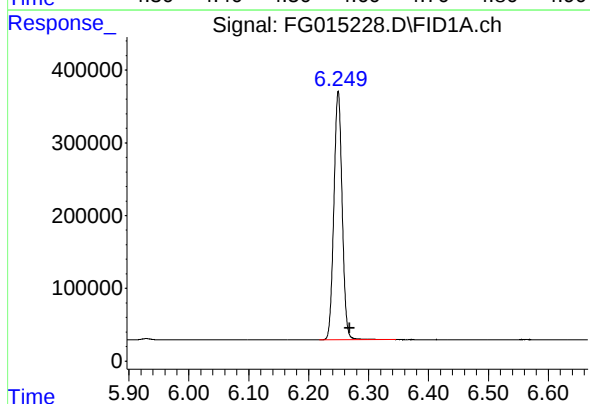
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.572 min
Delta R.T.: -0.030 min
Response: 3138115
Conc: 19.56 ug/ml

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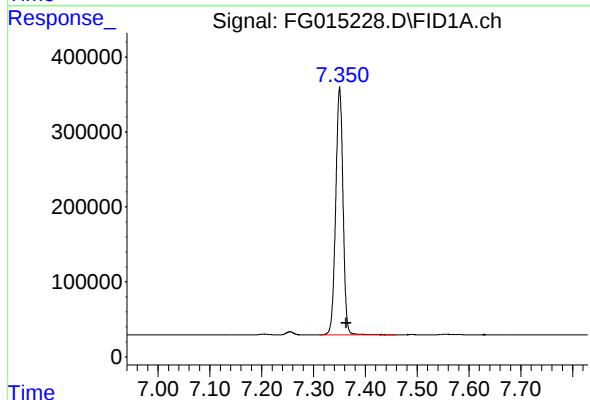
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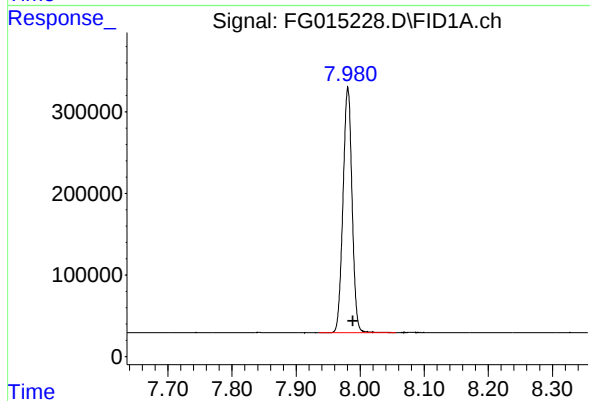
#2 Naphthalene (C11.7)

R.T.: 6.249 min
Delta R.T.: -0.020 min
Response: 3280999
Conc: 20.46 ug/ml



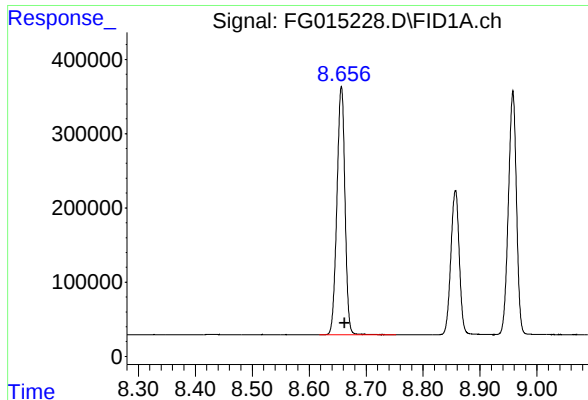
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.350 min
Delta R.T.: -0.013 min
Response: 3231748
Conc: 20.32 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.981 min
Delta R.T.: -0.008 min
Response: 2934518
Conc: 22.23 ug/ml



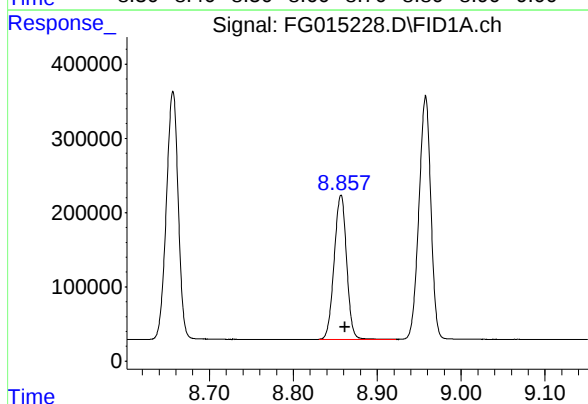
#5 Acenaphthylene (C15.06)

R.T.: 8.656 min
Delta R.T.: -0.006 min
Response: 3285832
Conc: 20.68 ug/ml

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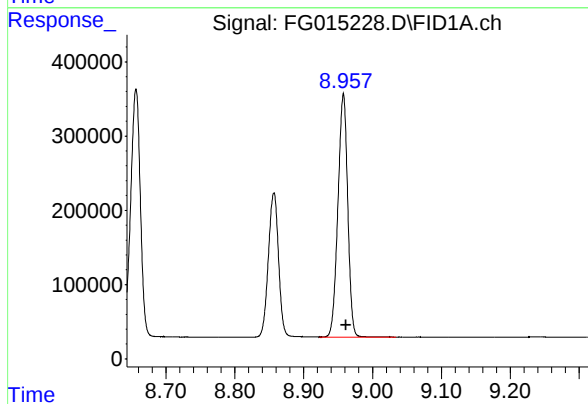
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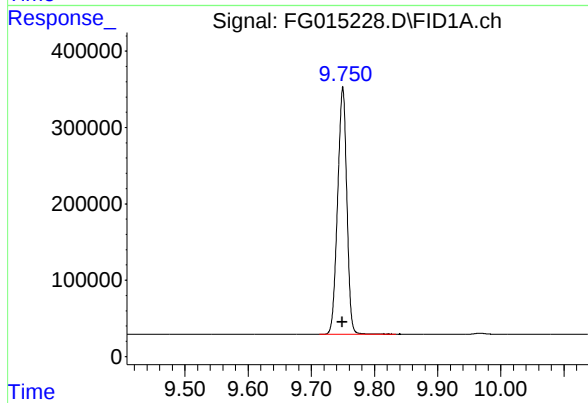
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.857 min
Delta R.T.: -0.005 min
Response: 1994839
Conc: 23.63 ug/ml



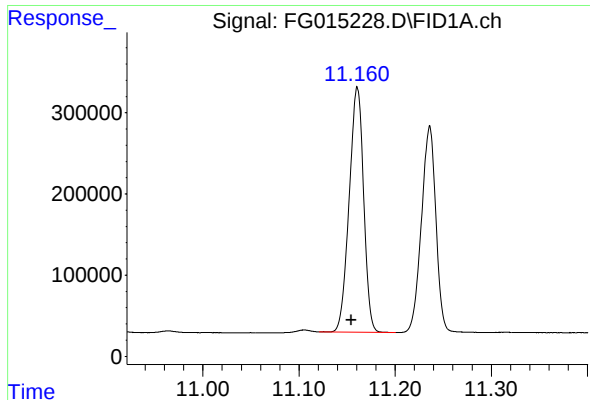
#7 Acenaphthene (C15.5)

R.T.: 8.958 min
Delta R.T.: -0.004 min
Response: 3230115
Conc: 19.81 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.750 min
Delta R.T.: 0.000 min
Response: 3271976
Conc: 20.78 ug/ml



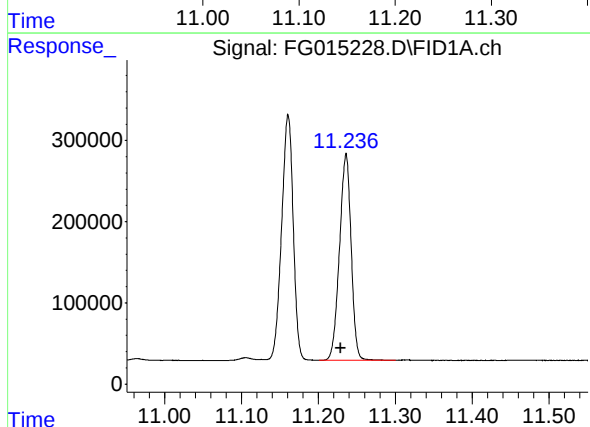
#9 Phenanthrene (C19.36)

R.T.: 11.161 min
Delta R.T.: 0.006 min
Response: 3151361
Conc: 19.74 ug/ml

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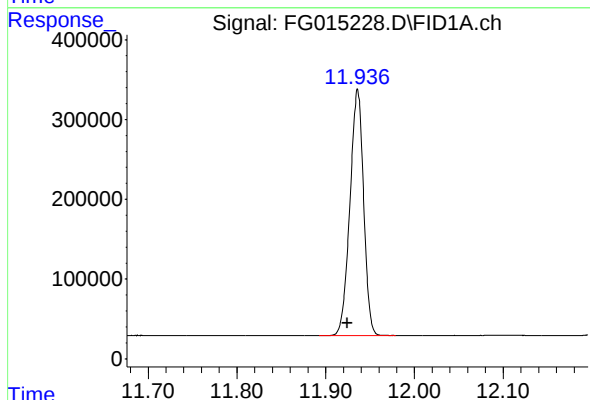
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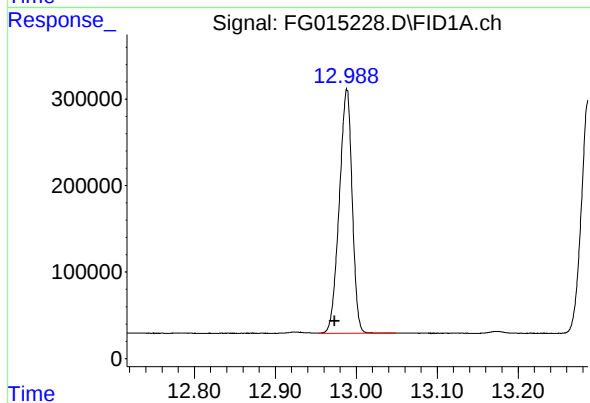
#10 Anthracene (C19.43)

R.T.: 11.236 min
Delta R.T.: 0.007 min
Response: 2659759
Conc: 18.01 ug/ml



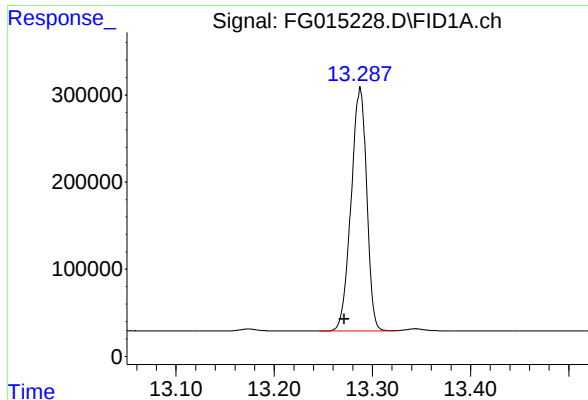
#11 ortho-Terphenyl (SURRE)

R.T.: 11.936 min
Delta R.T.: 0.011 min
Response: 3304482
Conc: 19.20 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.988 min
Delta R.T.: 0.015 min
Response: 3119409
Conc: 18.86 ug/ml



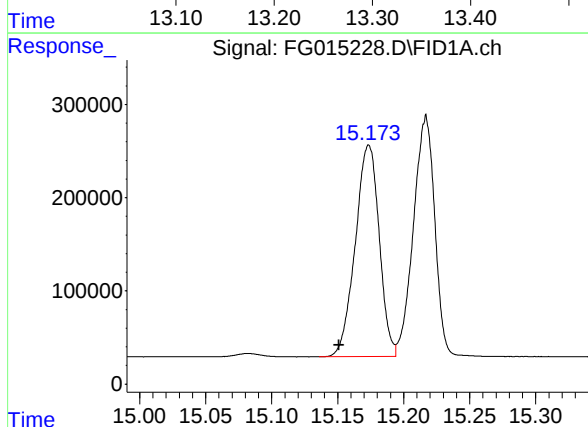
#13 Pyrene (C20.8)

R.T.: 13.287 min
Delta R.T.: 0.016 min
Response: 3089199
Conc: 19.07 ug/ml

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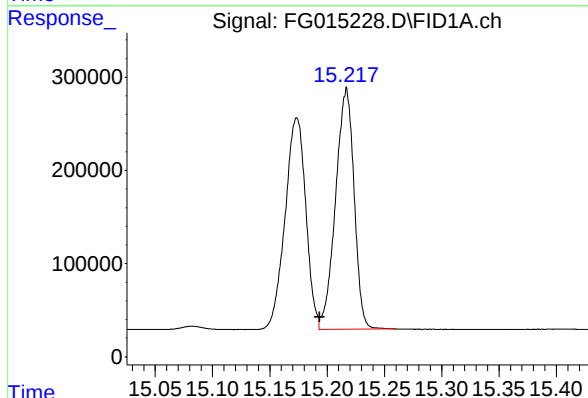
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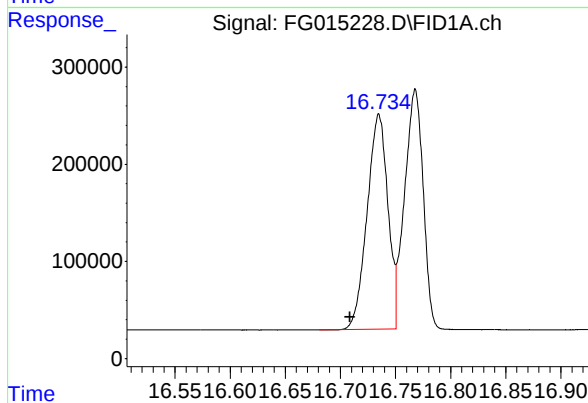
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.173 min
Delta R.T.: 0.022 min
Response: 2859256
Conc: 19.17 ug/ml



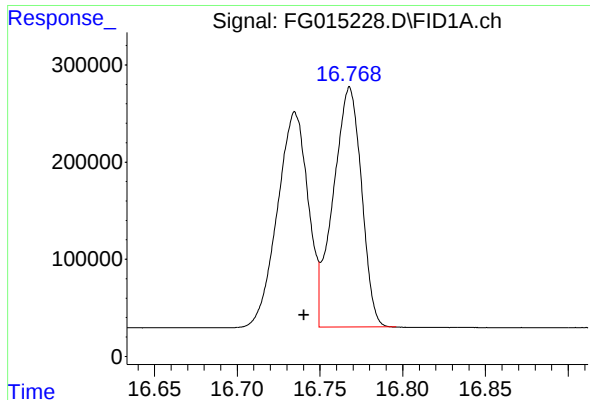
#15 Chrysene (C27.41)

R.T.: 15.217 min
Delta R.T.: 0.023 min
Response: 2900352
Conc: 18.67 ug/ml m



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

R.T.: 16.735 min
Delta R.T.: 0.026 min
Response: 2901387
Conc: 19.61 ug/ml



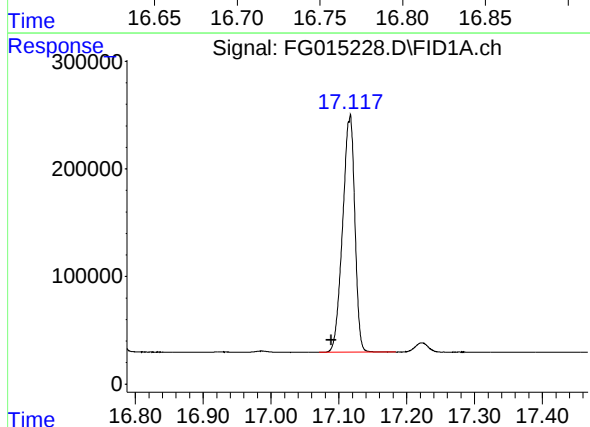
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.767 min
Delta R.T.: 0.027 min
Response: 2905567
Conc: 20.55 ug/ml

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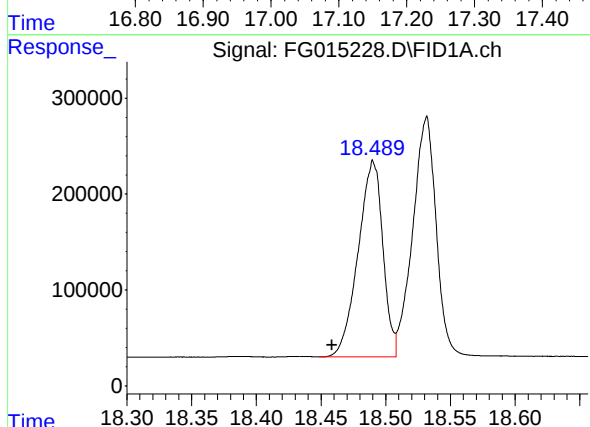
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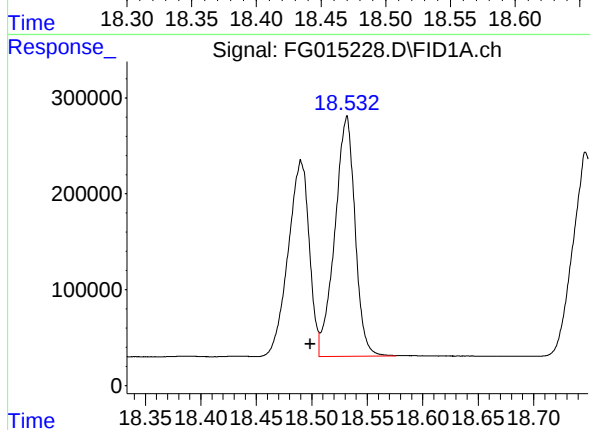
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.116 min
Delta R.T.: 0.027 min
Response: 2755532
Conc: 19.39 ug/ml



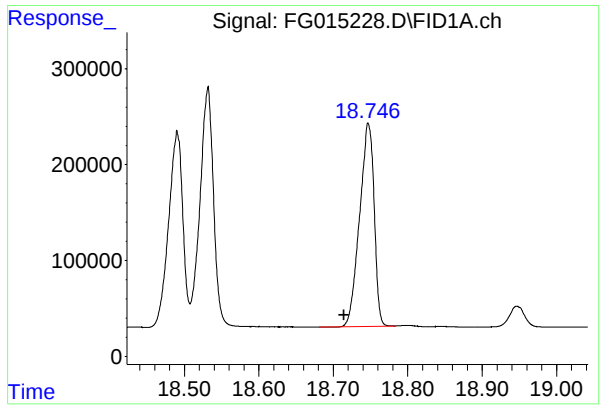
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.490 min
Delta R.T.: 0.032 min
Response: 2713522
Conc: 21.53 ug/ml



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

R.T.: 18.532 min
Delta R.T.: 0.033 min
Response: 3170409
Conc: 21.43 ug/ml m



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

R.T.: 18.747 min
Delta R.T.: 0.033 min
Response: 2870620
Conc: 21.27 ug/ml

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