

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG091324AR\
 Data File : FG014215.D
 Signal(s) : FID1A.ch
 Acq On : 13 Sep 2024 11:51
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/16/2024
 Supervised By :Ankita Jodhani 09/16/2024

Integration File: autoint1.e
 Quant Time: Sep 14 04:49:30 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 04 11:28:29 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...	7.880	2141089	19.138 ug/ml
Spiked Amount 50.000		Recovery =	38.28%
6) S 2-Fluorobiphenyl (SURR)	8.754	1412404	19.399 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	38.80%
11) S ortho-Terphenyl (SURR)	11.821	2570764	19.071 ug/ml
Spiked Amount 50.000		Recovery =	38.14%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.483	2428556	18.864 ug/ml
2) T Naphthalene (C11.7)	6.152	2436465	19.315 ug/ml
3) T 2-Methylnaphthalene (...)	7.250	2557176	20.077 ug/ml
5) T Acenaphthylene (C15.06)	8.551	2485060	19.120 ug/ml
7) T Acenaphthene (C15.5)	8.850	2618572	18.909 ug/ml
8) T Flouorene (C16.55)	9.643	2493496	19.237 ug/ml
9) T Phenanthrene (C19.36)	11.051	2325108	19.238 ug/ml
10) T Anthracene (C19.43)	11.126	2621248	18.894 ug/ml
12) T Fluoranthene (C21.85)	12.875	2526889	19.492 ug/ml
13) T Pyrene (C20.8)	13.172	2543895	19.482 ug/ml
14) T Benzo[a]anthracene (C...	15.057	2164199	19.024 ug/mlm
15) T Chrysene (C27.41)	15.099	2676372	18.933 ug/ml
16) T benzo[b]fluoranthene ...	16.619	2197189	19.170 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.650	2596234	19.307 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.004	2364113	19.026 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.376	1752597	17.730 ug/mlm
20) T Dibenz[a,h]anthracene...	18.415	2878154	19.551 ug/ml
21) T Benzo[g,h,i]perylene ...	18.631	2422458	18.535 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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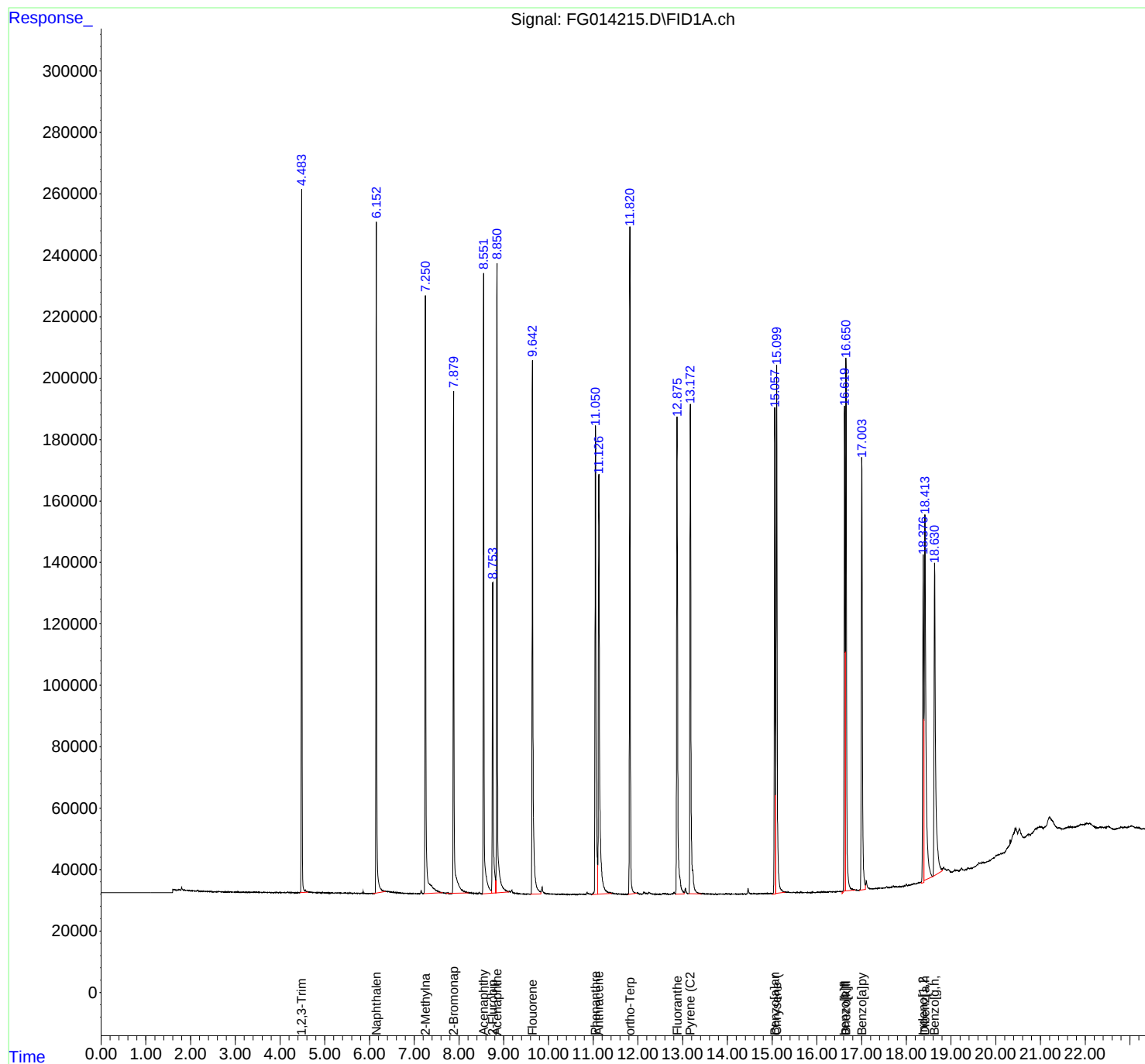
Instrument :
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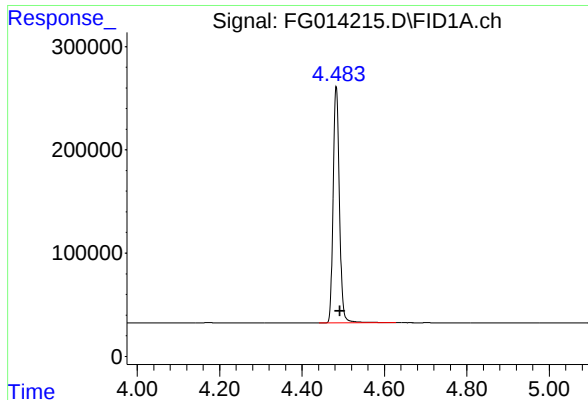
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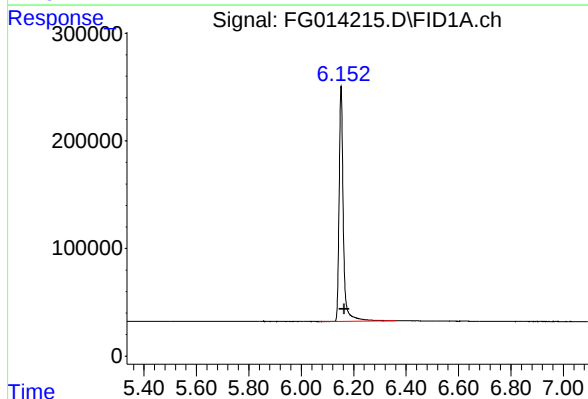
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.483 min
Delta R.T.: -0.009 min
Response: 2428556
Conc: 18.86 ug/ml

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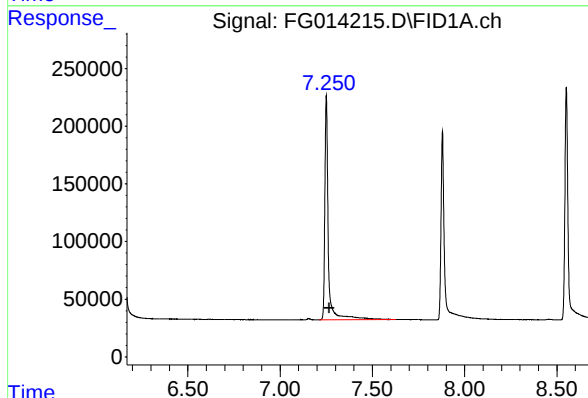
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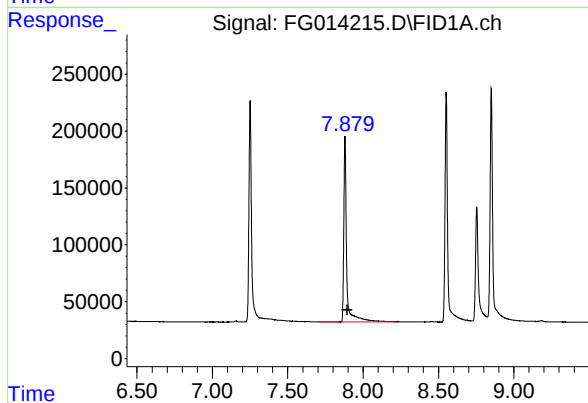
#2 Naphthalene (C11.7)

R.T.: 6.152 min
Delta R.T.: -0.013 min
Response: 2436465
Conc: 19.31 ug/ml



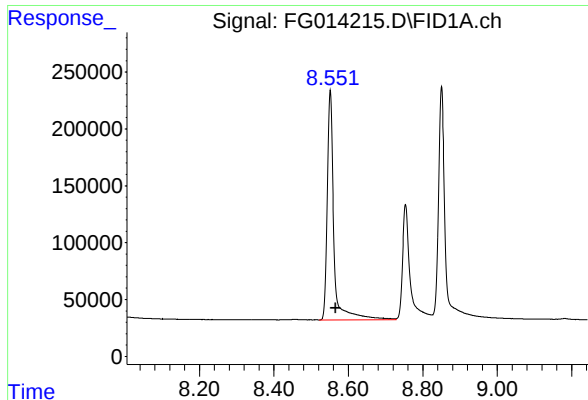
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.250 min
Delta R.T.: -0.016 min
Response: 2557176
Conc: 20.08 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.880 min
Delta R.T.: -0.016 min
Response: 2141089
Conc: 19.14 ug/ml



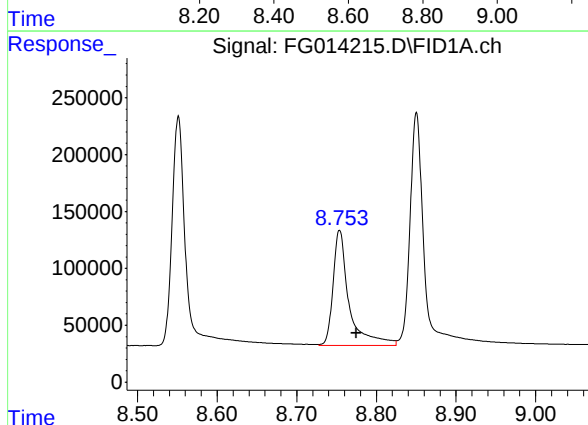
#5 Acenaphthylene (C15.06)

R.T.: 8.551 min
Delta R.T.: -0.015 min
Response: 2485060
Conc: 19.12 ug/ml

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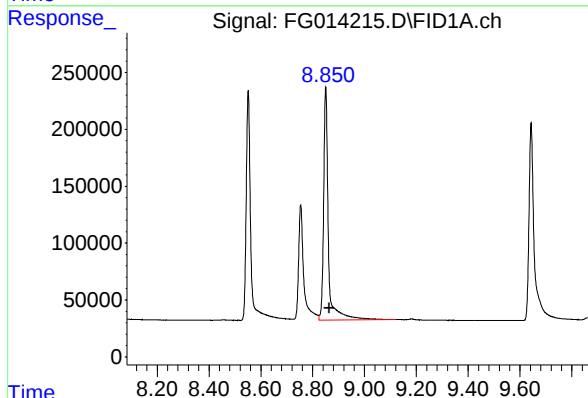
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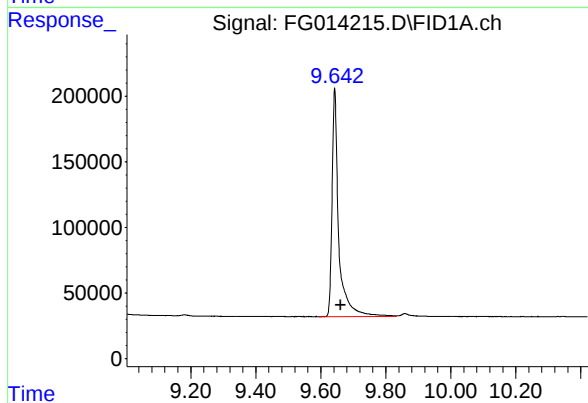
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.754 min
Delta R.T.: -0.021 min
Response: 1412404
Conc: 19.40 ug/ml



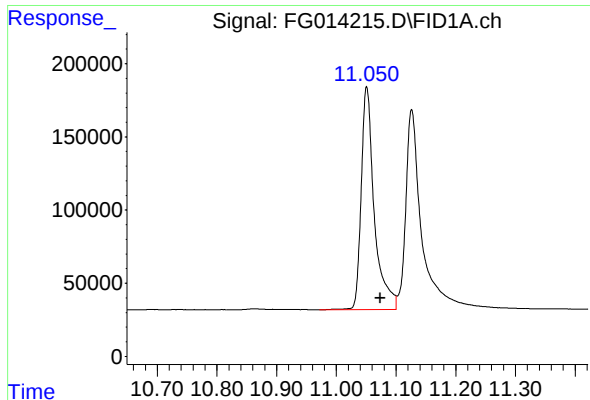
#7 Acenaphthene (C15.5)

R.T.: 8.850 min
Delta R.T.: -0.014 min
Response: 2618572
Conc: 18.91 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.643 min
Delta R.T.: -0.018 min
Response: 2493496
Conc: 19.24 ug/ml



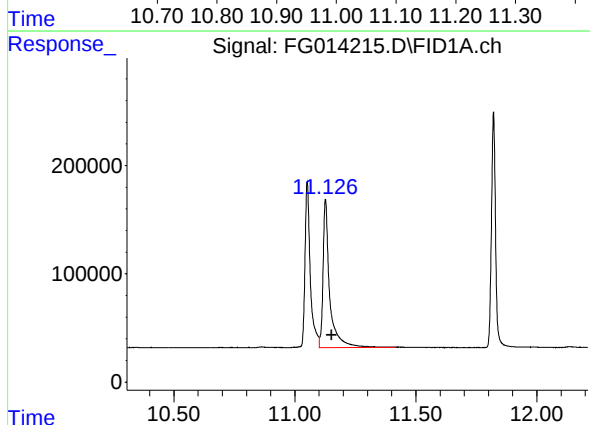
#9 Phenanthrene (C19.36)

R.T.: 11.051 min
Delta R.T.: -0.022 min
Response: 2325108
Conc: 19.24 ug/ml

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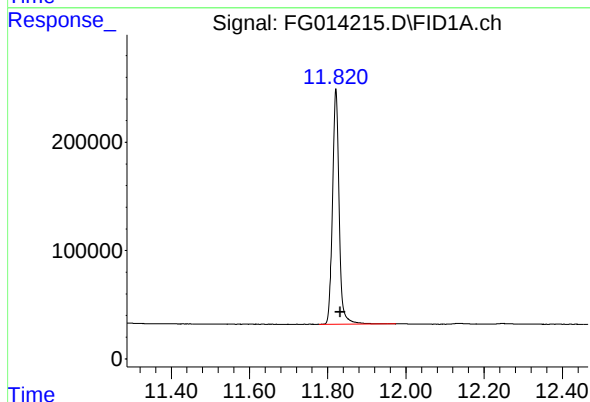
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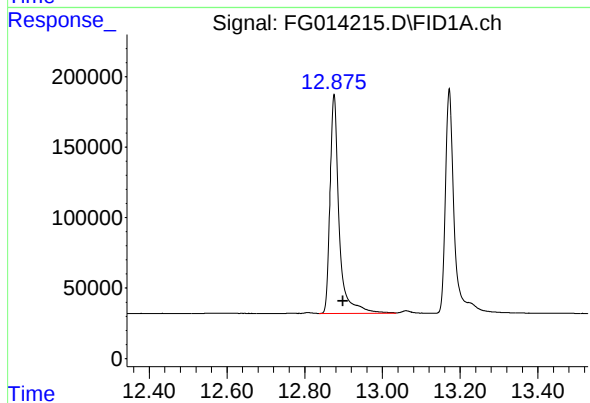
#10 Anthracene (C19.43)

R.T.: 11.126 min
Delta R.T.: -0.026 min
Response: 2621248
Conc: 18.89 ug/ml



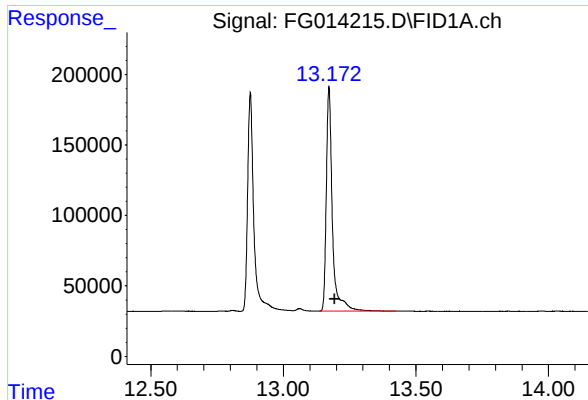
#11 ortho-Terphenyl (SURR)

R.T.: 11.821 min
Delta R.T.: -0.011 min
Response: 2570764
Conc: 19.07 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.875 min
Delta R.T.: -0.024 min
Response: 2526889
Conc: 19.49 ug/ml



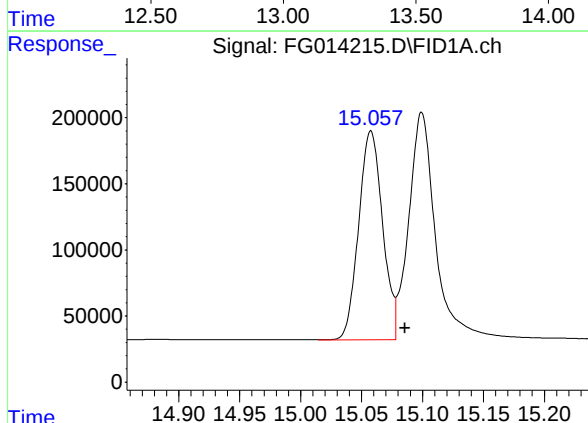
#13 Pyrene (C20.8)

R.T.: 13.172 min
Delta R.T.: -0.022 min
Response: 2543895
Conc: 19.48 ug/ml

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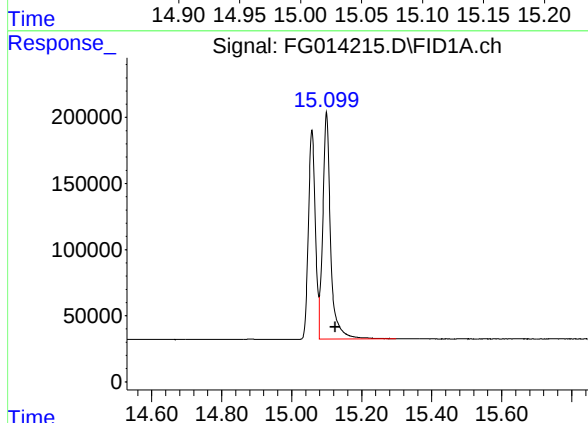
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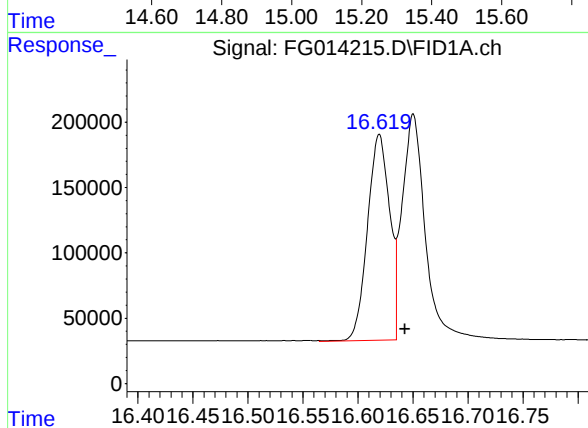
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.057 min
Delta R.T.: -0.028 min
Response: 2164199
Conc: 19.02 ug/ml m



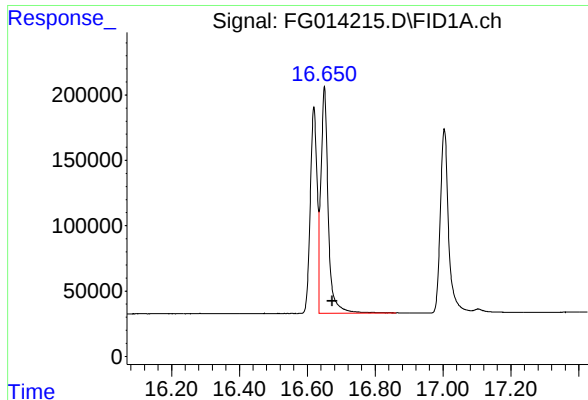
#15 Chrysene (C27.41)

R.T.: 15.099 min
Delta R.T.: -0.026 min
Response: 2676372
Conc: 18.93 ug/ml



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

R.T.: 16.619 min
Delta R.T.: -0.023 min
Response: 2197189
Conc: 19.17 ug/ml m



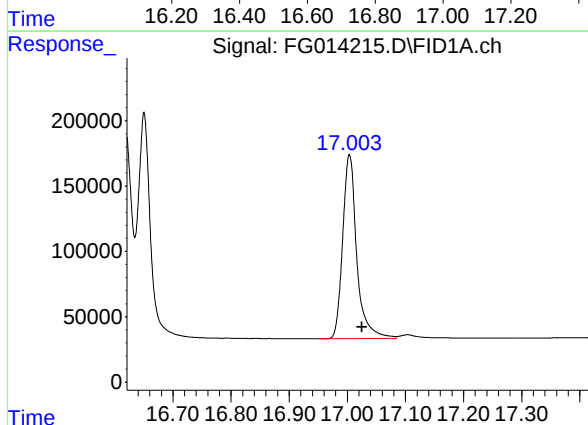
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.650 min
Delta R.T.: -0.023 min
Response: 2596234
Conc: 19.31 ug/ml

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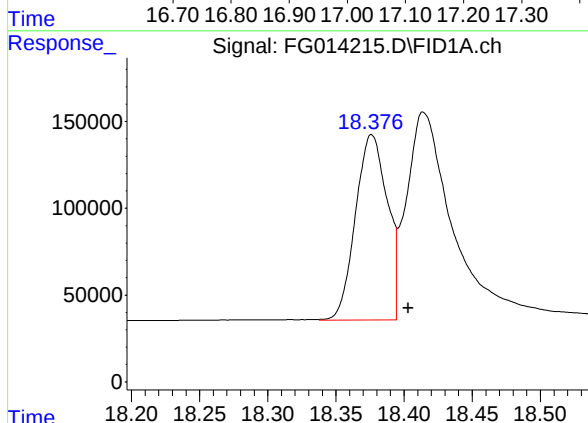
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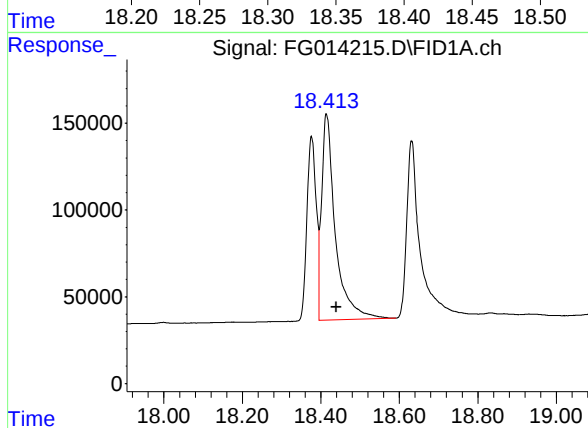
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.004 min
Delta R.T.: -0.021 min
Response: 2364113
Conc: 19.03 ug/ml



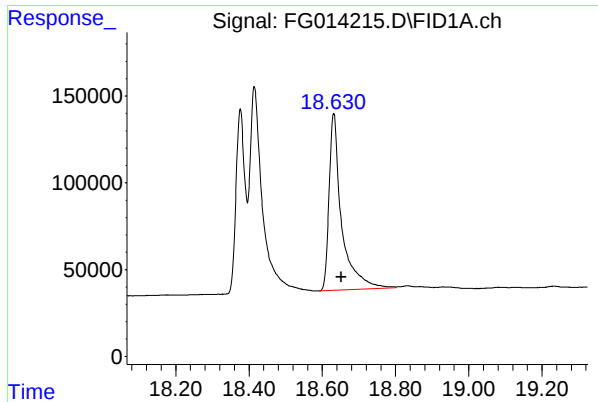
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.376 min
Delta R.T.: -0.028 min
Response: 1752597
Conc: 17.73 ug/ml m



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

R.T.: 18.415 min
Delta R.T.: -0.025 min
Response: 2878154
Conc: 19.55 ug/ml



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

R.T.: 18.631 min
Delta R.T.: -0.021 min
Response: 2422458
Conc: 18.53 ug/ml

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