

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032625AR\
 Data File : FG015556.D
 Signal(s) : FID1A.ch
 Acq On : 26 Mar 2025 16:39
 Operator : YP\AJ
 Sample : PB167327BS
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 PB167327BS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/27/2025
 Supervised By :mohammad ahmed 03/28/2025

Integration File: autoint1.e
 Quant Time: Mar 27 02:41:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 05:13:04 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...	7.968	5630105	46.090 ug/ml
Spiked Amount 50.000		Recovery =	92.18%
6) S 2-Fluorobiphenyl (SURR)	8.847	3146091	38.062 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	76.12%
11) S ortho-Terphenyl (SURR)	11.921	5896815	40.437 ug/ml
Spiked Amount 50.000		Recovery =	80.87%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.557	4460883	33.569 ug/ml
2) T Naphthalene (C11.7)	6.237	5697120	42.168 ug/ml
3) T 2-Methylnaphthalene (...)	7.339	5878344	44.068 ug/ml
5) T Acenaphthylene (C15.06)	8.647	7253675	51.216 ug/ml
7) T Acenaphthene (C15.5)	8.949	7545072	55.302 ug/ml
8) T Fluorene (C16.55)	9.742	7813076	55.966 ug/ml
9) T Phenanthrene (C19.36)	11.154	7862143	55.806 ug/ml
10) T Anthracene (C19.43)	11.230	7862734	57.459 ug/ml
12) T Fluoranthene (C21.85)	12.983	7826677	54.884 ug/mlm
13) T Pyrene (C20.8)	13.283	7798335	55.578 ug/ml
14) T Benzo[a]anthracene (C...	15.171	7378029	54.397 ug/ml
15) T Chrysene (C27.41)	15.216	8679725	62.002 ug/ml
16) T benzo[b]fluoranthene ...	16.737	7056176	53.399 ug/ml
17) T Bnezo[k]fluoranthene ...	16.773	7447284	54.544 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.119	6985174	55.702 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.499	7155207	64.310 ug/ml
20) T Dibenz[a,h]anthracene...	18.537	7311979	56.822 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.758	7017752	58.729 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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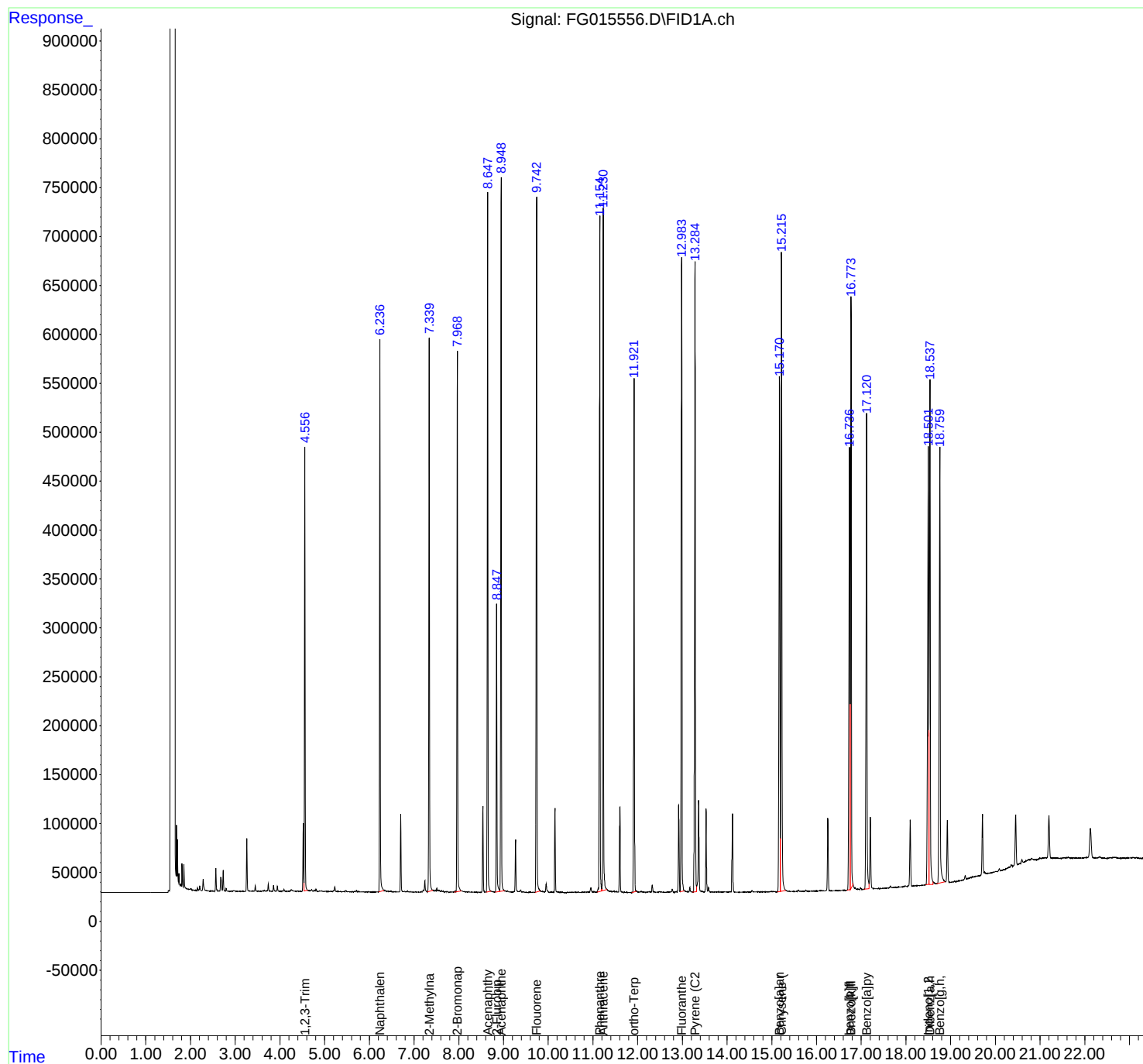
Response via : Initial Calibration

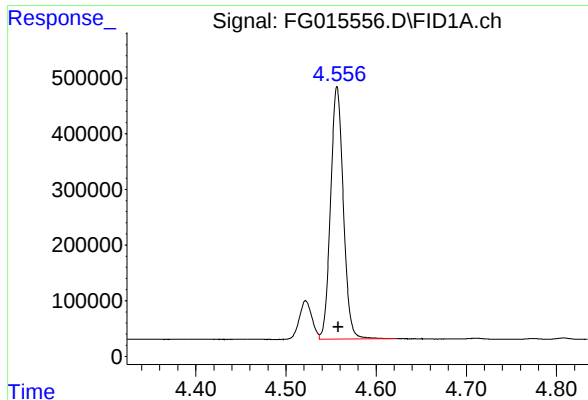
Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm





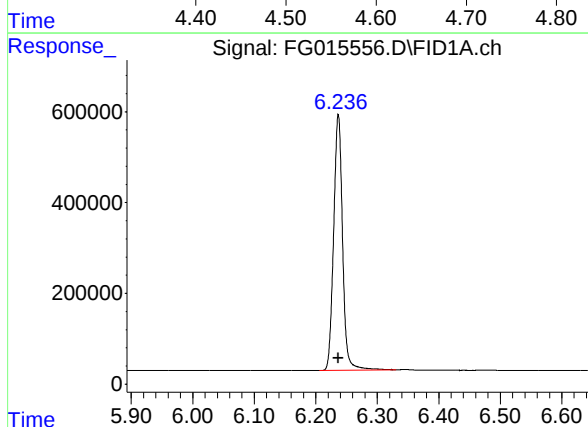
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.557 min
Delta R.T.: -0.001 min
Response: 4460883
Conc: 33.57 ug/ml

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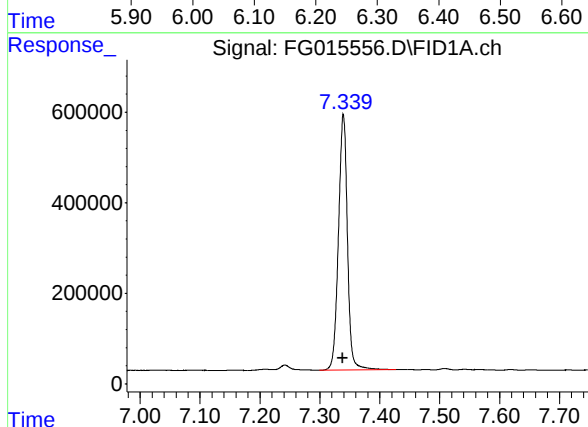
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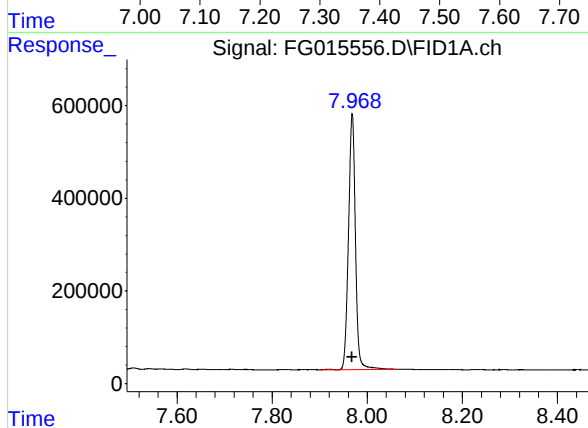
#2 Naphthalene (C11.7)

R.T.: 6.237 min
Delta R.T.: 0.000 min
Response: 5697120
Conc: 42.17 ug/ml



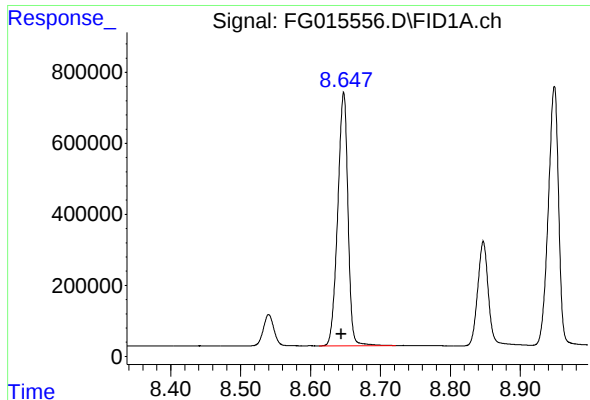
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.339 min
Delta R.T.: 0.001 min
Response: 5878344
Conc: 44.07 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.968 min
Delta R.T.: 0.000 min
Response: 5630105
Conc: 46.09 ug/ml



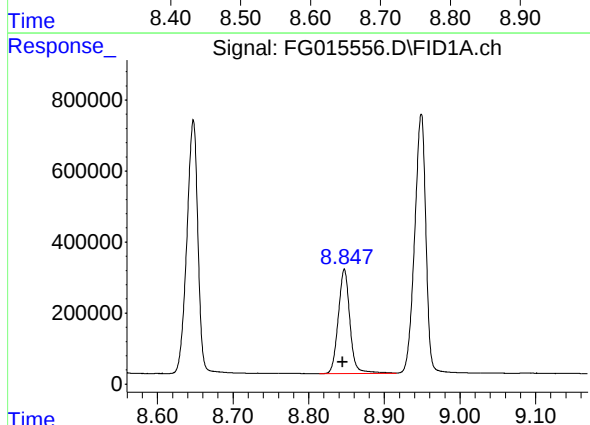
#5 Acenaphthylene (C15.06)

R.T.: 8.647 min
Delta R.T.: 0.003 min
Response: 7253675
Conc: 51.22 ug/ml

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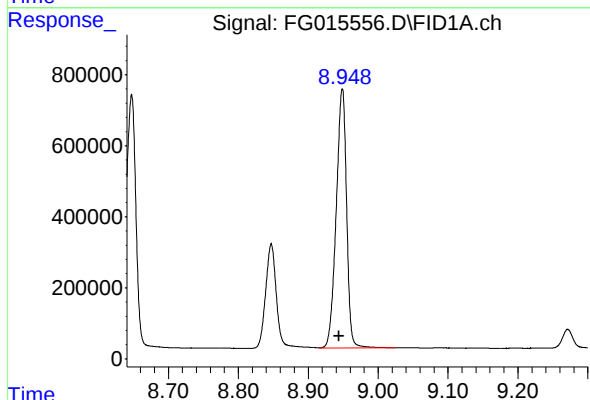
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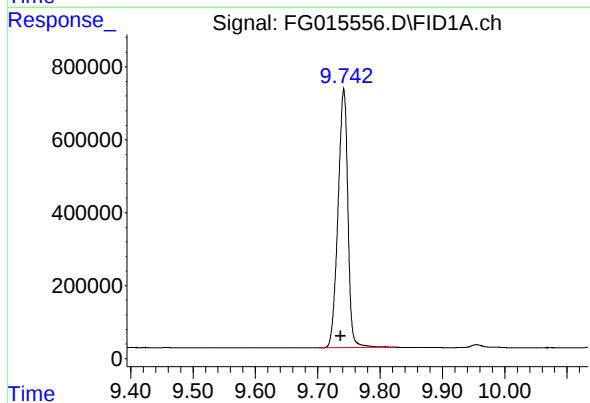
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.847 min
Delta R.T.: 0.002 min
Response: 3146091
Conc: 38.06 ug/ml



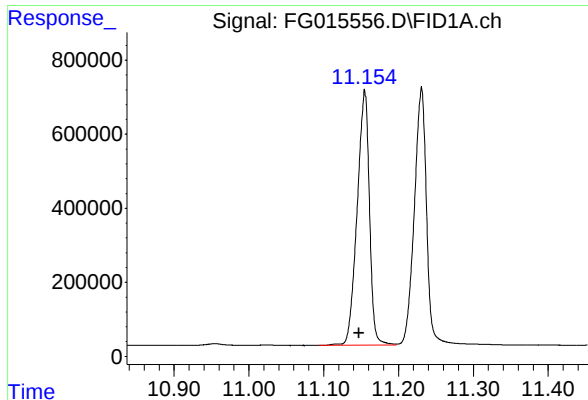
#7 Acenaphthene (C15.5)

R.T.: 8.949 min
Delta R.T.: 0.004 min
Response: 7545072
Conc: 55.30 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.742 min
Delta R.T.: 0.005 min
Response: 7813076
Conc: 55.97 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 11.154 min
Delta R.T.: 0.007 min
Response: 7862143
Conc: 55.81 ug/ml

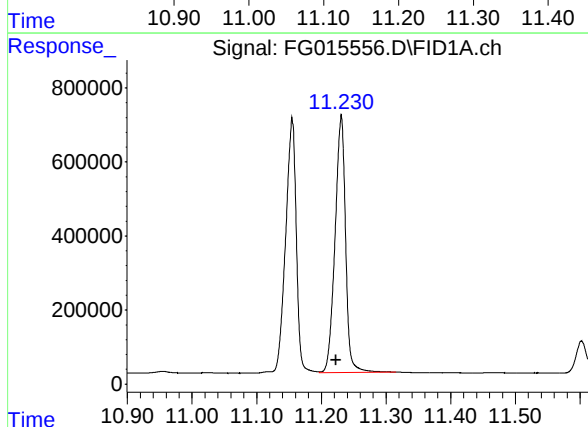
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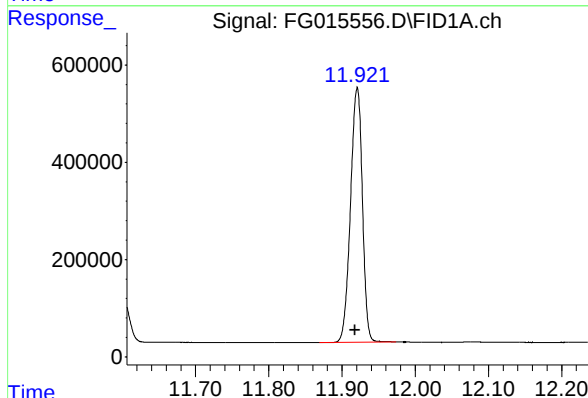
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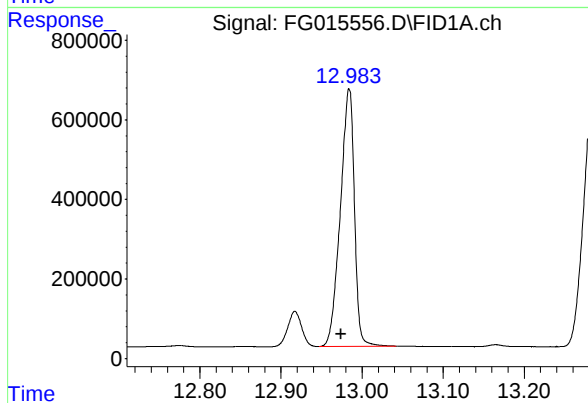
#10 Anthracene (C19.43)

R.T.: 11.230 min
Delta R.T.: 0.008 min
Response: 7862734
Conc: 57.46 ug/ml



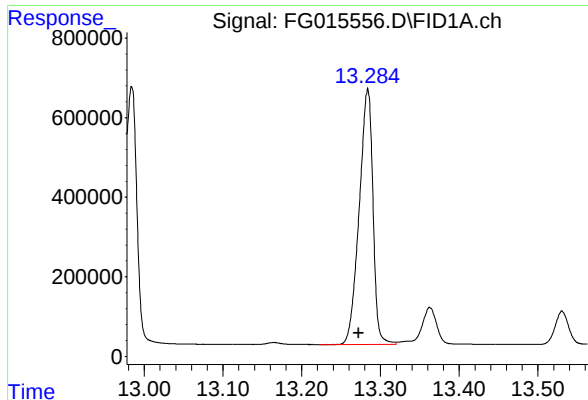
#11 ortho-Terphenyl (SURR)

R.T.: 11.921 min
Delta R.T.: 0.003 min
Response: 5896815
Conc: 40.44 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.983 min
Delta R.T.: 0.009 min
Response: 7826677
Conc: 54.88 ug/ml m



#13 Pyrene (C20.8)

R.T.: 13.283 min
Delta R.T.: 0.011 min
Response: 7798335
Conc: 55.58 ug/ml

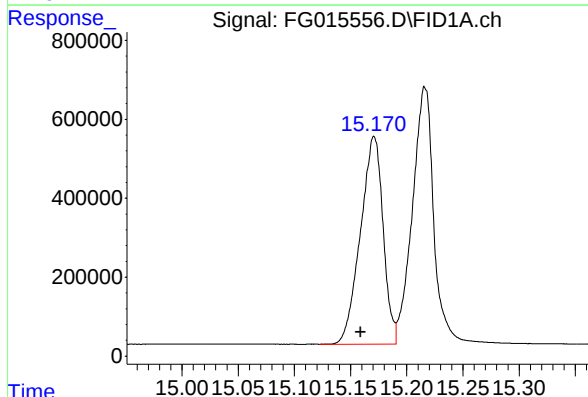
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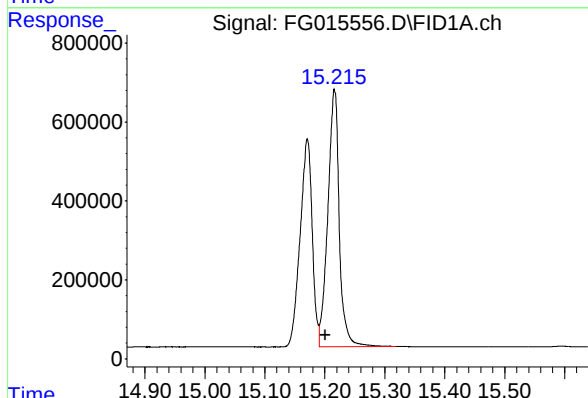
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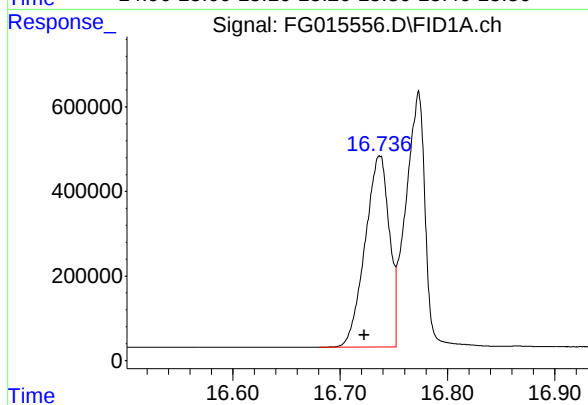
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.171 min
Delta R.T.: 0.012 min
Response: 7378029
Conc: 54.40 ug/ml



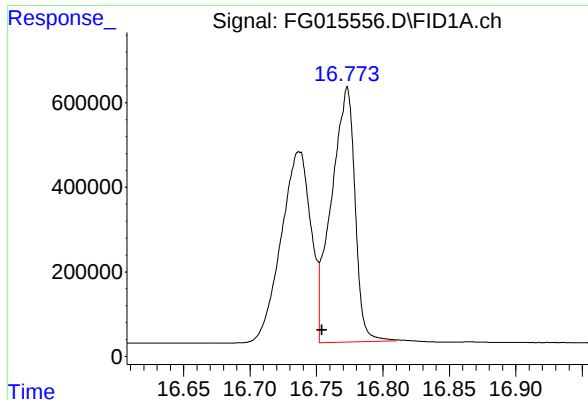
#15 Chrysene (C27.41)

R.T.: 15.216 min
Delta R.T.: 0.015 min
Response: 8679725
Conc: 62.00 ug/ml



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

R.T.: 16.737 min
Delta R.T.: 0.014 min
Response: 7056176
Conc: 53.40 ug/ml



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

R.T.: 16.773 min
Delta R.T.: 0.019 min
Response: 7447284
Conc: 54.54 ug/ml

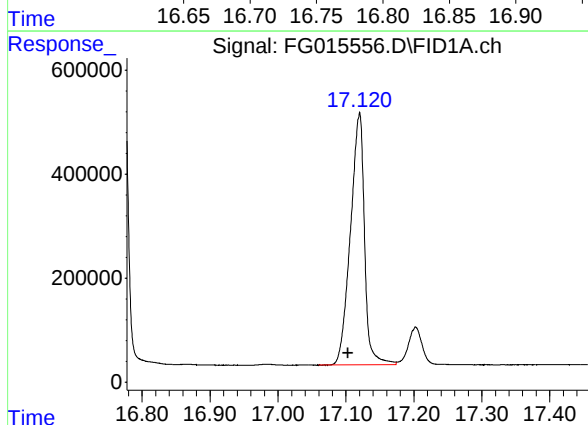
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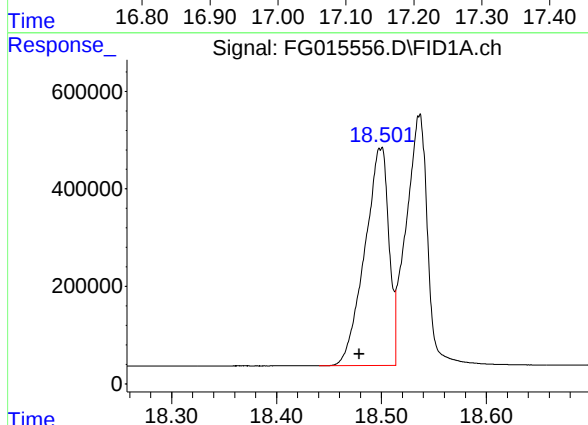
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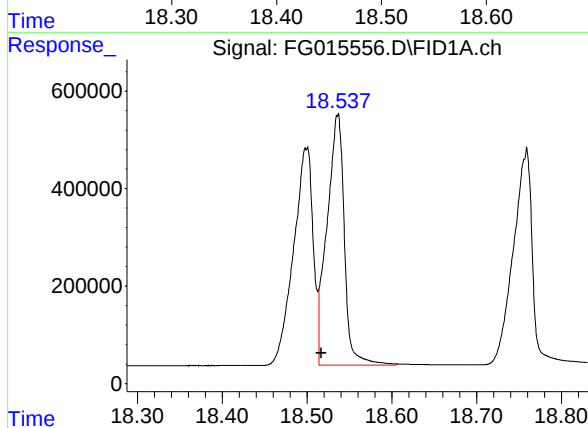
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.119 min
Delta R.T.: 0.016 min
Response: 6985174
Conc: 55.70 ug/ml



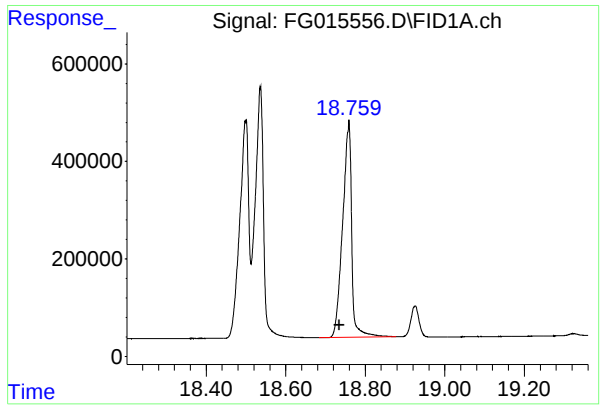
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.499 min
Delta R.T.: 0.020 min
Response: 7155207
Conc: 64.31 ug/ml



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

R.T.: 18.537 min
Delta R.T.: 0.020 min
Response: 7311979
Conc: 56.82 ug/ml m



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

R.T.: 18.758 min
Delta R.T.: 0.023 min
Response: 7017752
Conc: 58.73 ug/ml

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