

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102224AR\
 Data File : FG014484.D
 Signal(s) : FID1A.ch
 Acq On : 22 Oct 2024 10:54
 Operator : YP\AJ
 Sample : P4368-01
 Misc : 2.5 PPM SOIL LOD
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/23/2024
 Supervised By :Ankita Jodhani 10/23/2024

Integration File: autoint1.e
 Quant Time: Oct 23 02:42:35 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 22 04:38:07 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...	8.037	7940645	63.254 ug/ml
Spiked Amount 50.000		Recovery =	126.51%
6) S 2-Fluorobiphenyl (SURR)	8.913	4917834	57.094 ug/ml
Spiked Amount 50.000 Range 0 - 130		Recovery =	114.19%
11) S ortho-Terphenyl (SURR)	11.987	7625031	51.500 ug/ml
Spiked Amount 50.000		Recovery =	103.00%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.636	299437	2.210 ug/ml
2) T Naphthalene (C11.7)	6.307	351120	2.447 ug/mlm
3) T 2-Methylnaphthalene (...)	7.406	365491	2.503 ug/ml
5) T Acenaphthylene (C15.06)	8.710	357351	2.454 ug/ml
7) T Acenaphthene (C15.5)	9.010	353714	2.444 ug/ml
8) T Flouorene (C16.55)	9.799	370757	2.559 ug/mlm
9) T Phenanthrene (C19.36)	11.207	371982	2.527 ug/ml
10) T Anthracene (C19.43)	11.282	373661	2.665 ug/ml
12) T Fluoranthene (C21.85)	13.029	386482	2.613 ug/ml
13) T Pyrene (C20.8)	13.329	389288	2.648 ug/ml
14) T Benzo[a]anthracene (C...	15.208	389238	2.688 ug/ml
15) T Chrysene (C27.41)	15.249	403661	2.752 ug/mlm
16) T benzo[b]fluoranthene ...	16.764	377477	2.566 ug/ml
17) T Bnezo[k]fluoranthene ...	16.794	389075	2.819 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.143	361705	2.536 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.510	372469	2.791 ug/ml
20) T Dibenz[a,h]anthracene...	18.552	449699	3.222 ug/ml
21) T Benzo[g,h,i]perylene ...	18.764	338117	2.430 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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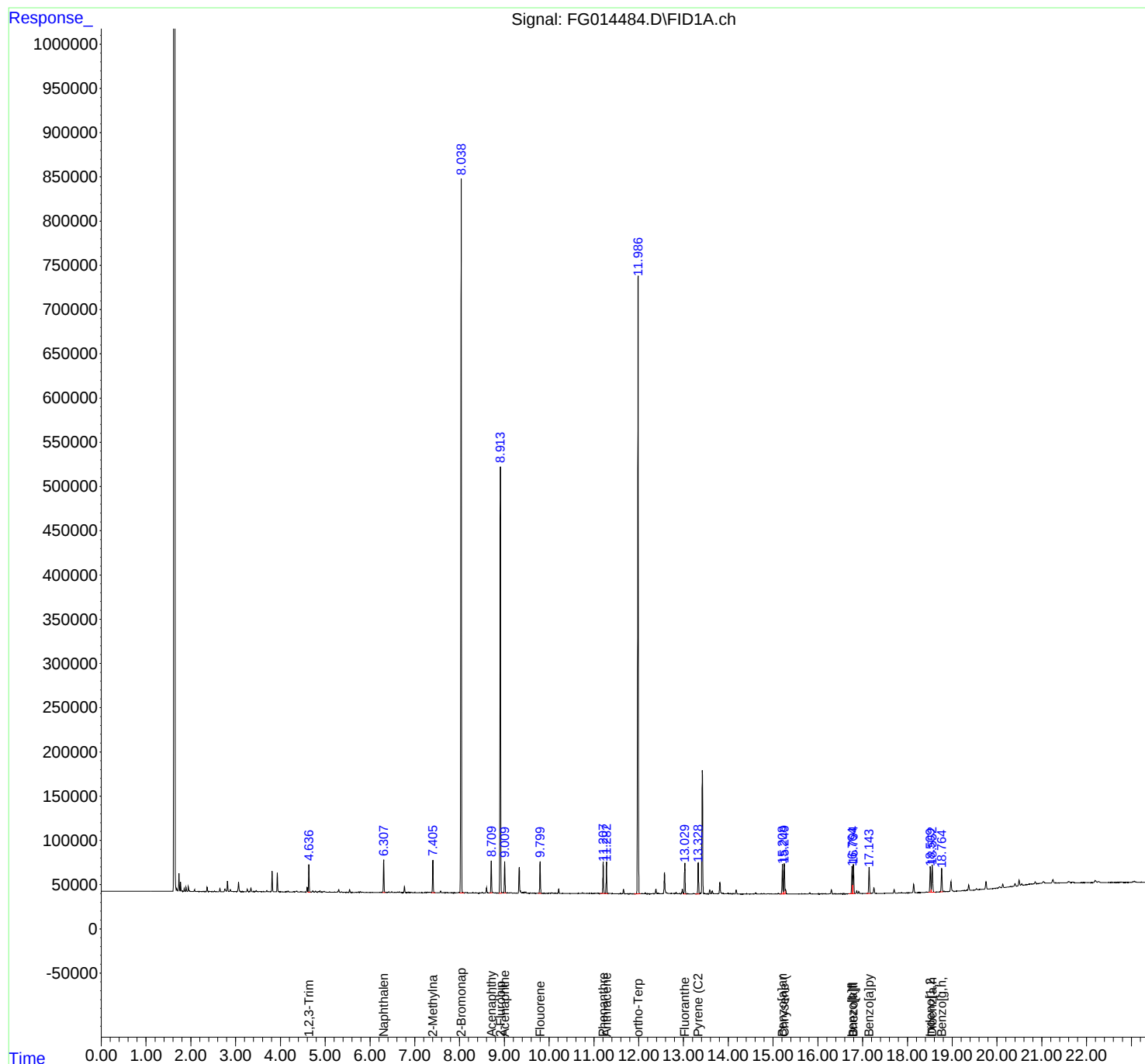
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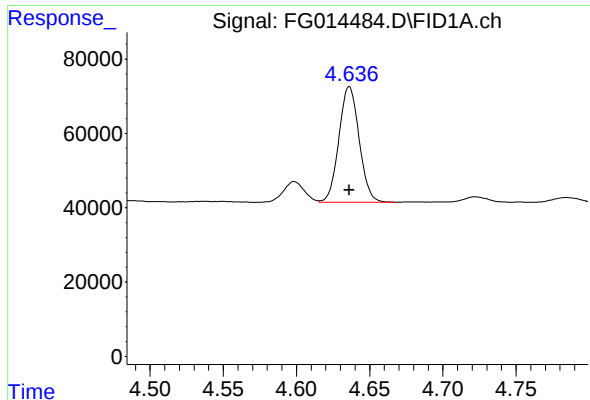
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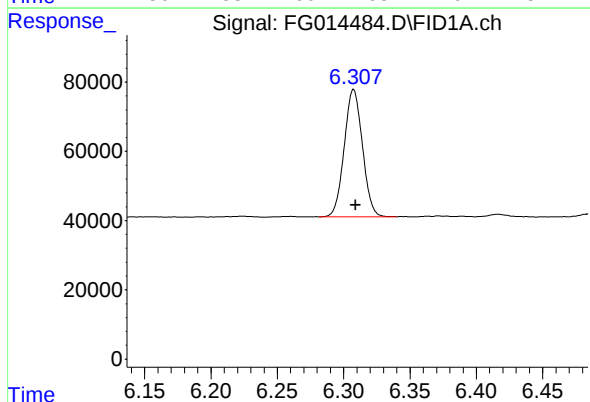
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.636 min
Delta R.T.: 0.000 min
Response: 299437
Conc: 2.21 ug/ml

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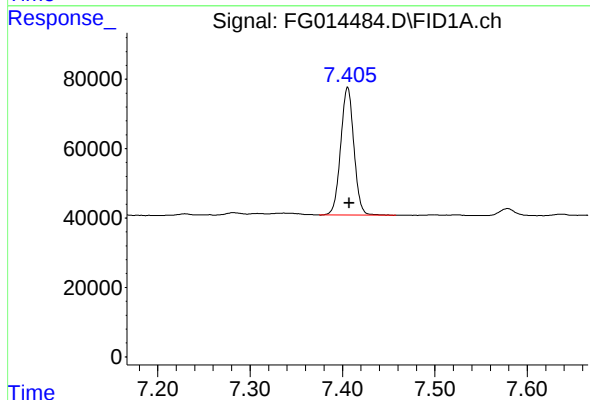
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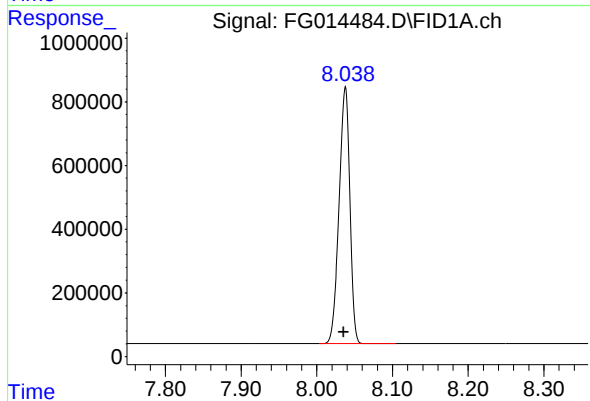
#2 Naphthalene (C11.7)

R.T.: 6.307 min
Delta R.T.: -0.002 min
Response: 351120
Conc: 2.45 ug/ml m



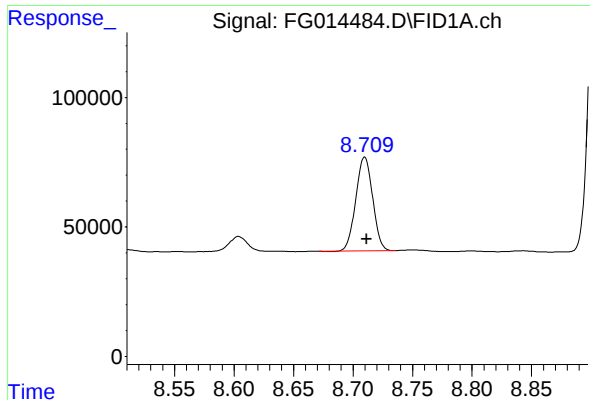
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.406 min
Delta R.T.: -0.002 min
Response: 365491
Conc: 2.50 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.037 min
Delta R.T.: 0.002 min
Response: 7940645
Conc: 63.25 ug/ml



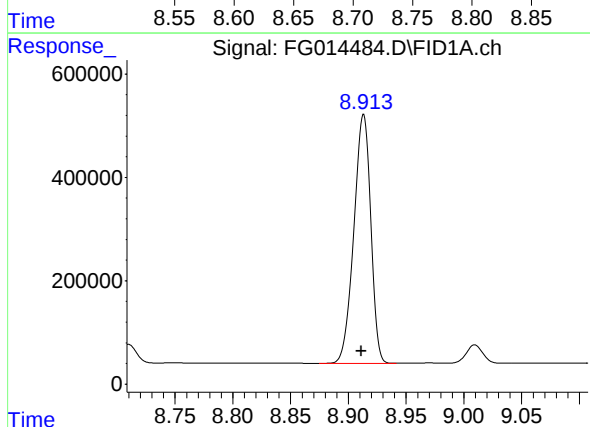
#5 Acenaphthylene (C15.06)

R.T.: 8.710 min
Delta R.T.: -0.002 min
Response: 357351
Conc: 2.45 ug/ml

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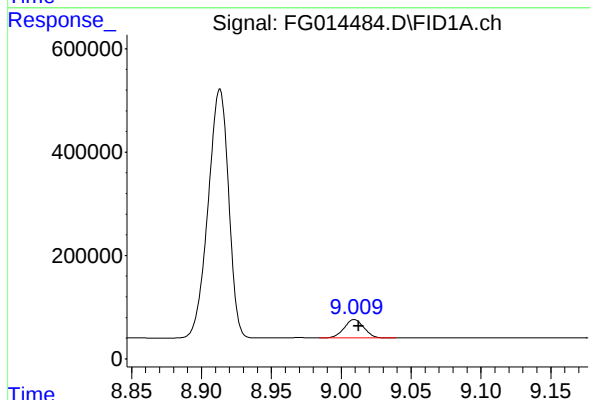
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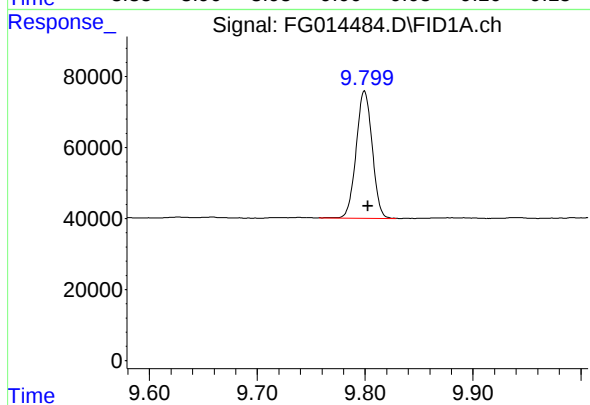
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.913 min
Delta R.T.: 0.002 min
Response: 4917834
Conc: 57.09 ug/ml



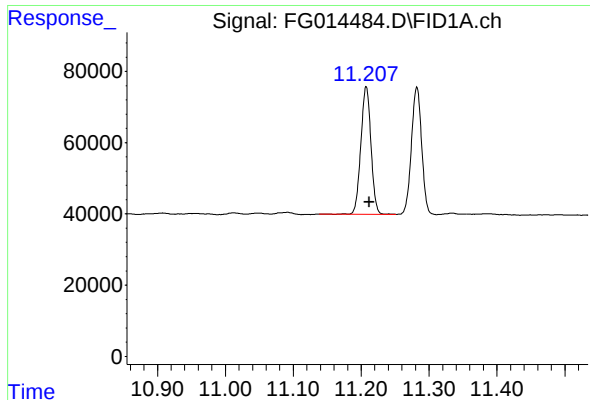
#7 Acenaphthene (C15.5)

R.T.: 9.010 min
Delta R.T.: -0.003 min
Response: 353714
Conc: 2.44 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.799 min
Delta R.T.: -0.004 min
Response: 370757
Conc: 2.56 ug/ml m



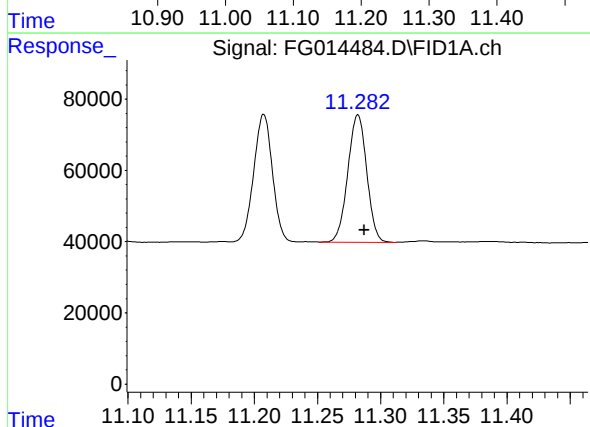
#9 Phenanthrene (C19.36)

R.T.: 11.207 min
Delta R.T.: -0.005 min
Response: 371982
Conc: 2.53 ug/ml

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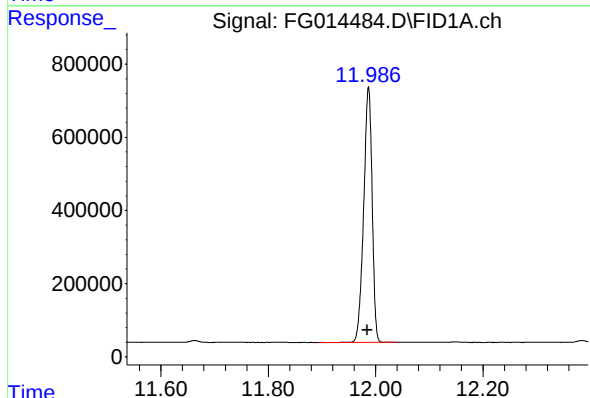
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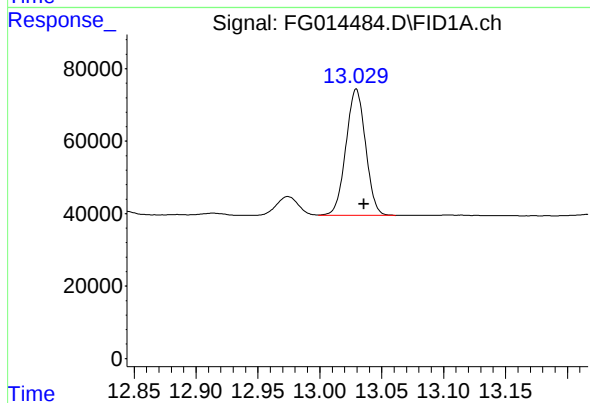
#10 Anthracene (C19.43)

R.T.: 11.282 min
Delta R.T.: -0.005 min
Response: 373661
Conc: 2.66 ug/ml



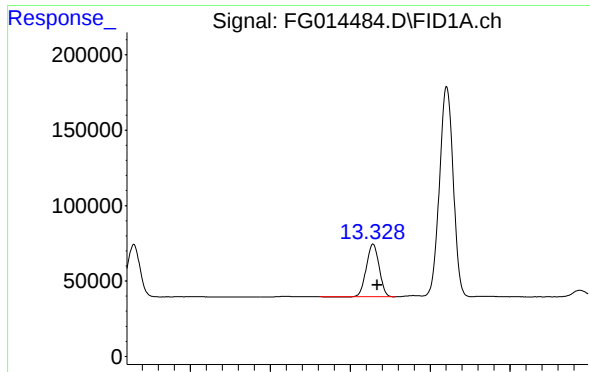
#11 ortho-Terphenyl (SURRE)

R.T.: 11.987 min
Delta R.T.: 0.002 min
Response: 7625031
Conc: 51.50 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.029 min
Delta R.T.: -0.006 min
Response: 386482
Conc: 2.61 ug/ml



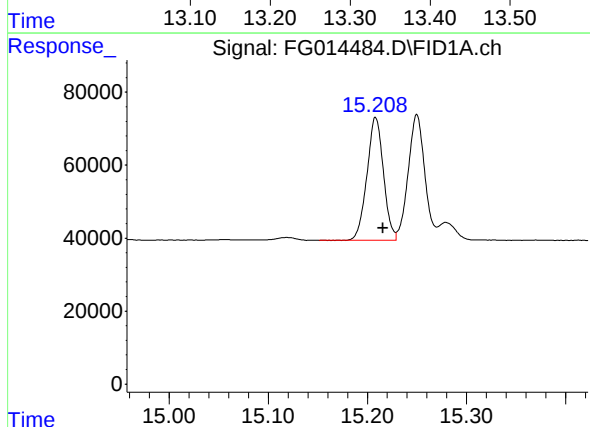
#13 Pyrene (C20.8)

R.T.: 13.329 min
Delta R.T.: -0.006 min
Response: 389288
Conc: 2.65 ug/ml

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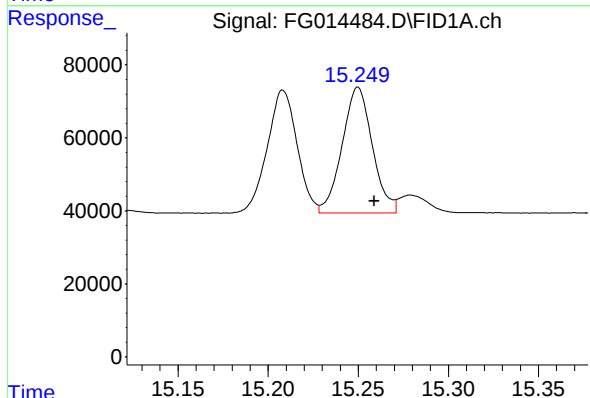
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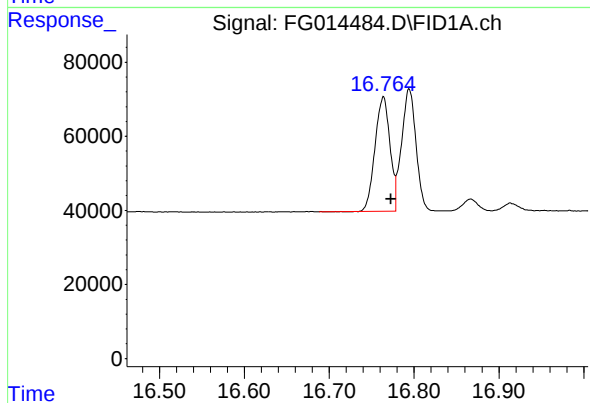
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.208 min
Delta R.T.: -0.008 min
Response: 389238
Conc: 2.69 ug/ml



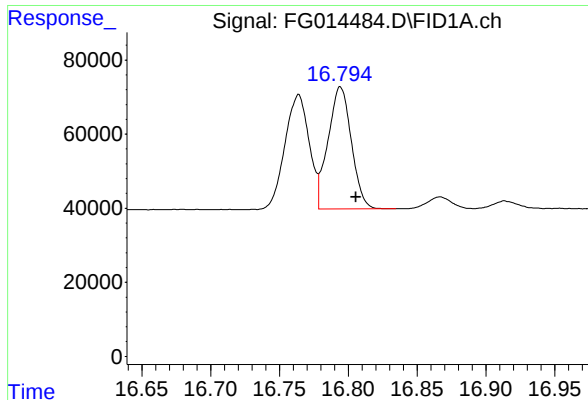
#15 Chrysene (C27.41)

R.T.: 15.249 min
Delta R.T.: -0.010 min
Response: 403661
Conc: 2.75 ug/ml m



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

R.T.: 16.764 min
Delta R.T.: -0.009 min
Response: 377477
Conc: 2.57 ug/ml



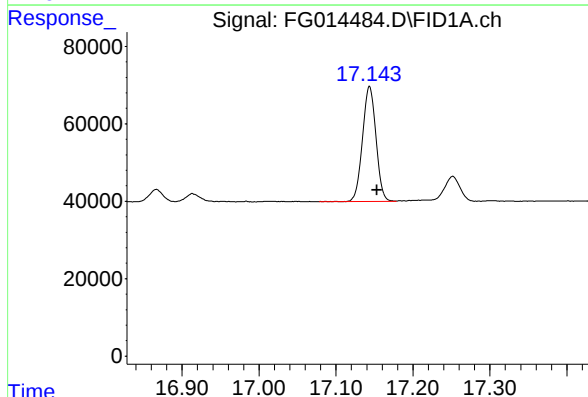
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.794 min
Delta R.T.: -0.011 min
Response: 389075
Conc: 2.82 ug/ml

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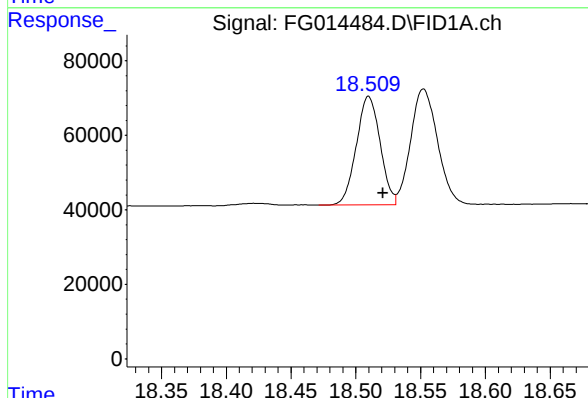
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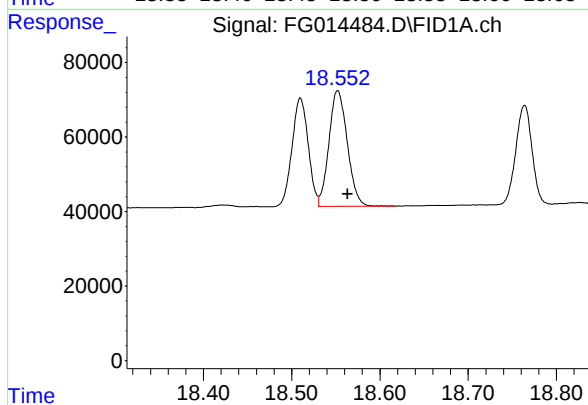
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.143 min
Delta R.T.: -0.010 min
Response: 361705
Conc: 2.54 ug/ml



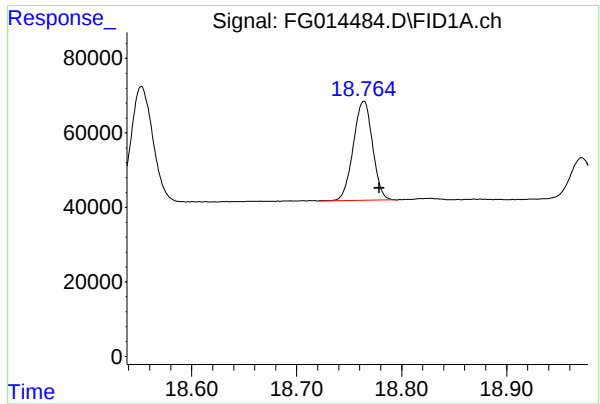
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.510 min
Delta R.T.: -0.011 min
Response: 372469
Conc: 2.79 ug/ml



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

R.T.: 18.552 min
Delta R.T.: -0.011 min
Response: 449699
Conc: 3.22 ug/ml



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

R.T.: 18.764 min
Delta R.T.: -0.015 min
Response: 338117
Conc: 2.43 ug/ml

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