

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092024AR\
 Data File : FG014327.D
 Signal(s) : FID1A.ch
 Acq On : 21 Sep 2024 02:44
 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 09/23/2024
 Supervised By :Ankita Jodhani 09/23/2024

Integration File: autoint1.e
 Quant Time: Sep 21 03:18:04 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...	7.871	2299908	20.557 ug/ml
Spiked Amount 50.000		Recovery =	41.11%
6) S 2-Fluorobiphenyl (SURR)	8.744	1466210	20.138 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.28%
11) S ortho-Terphenyl (SURR)	11.810	2706676	20.080 ug/ml
Spiked Amount 50.000		Recovery =	40.16%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.473	2620427	20.355 ug/ml
2) T Naphthalene (C11.7)	6.142	2610431	20.694 ug/ml
3) T 2-Methylnaphthalene (...)	7.241	2739131	21.506 ug/ml
5) T Acenaphthylene (C15.06)	8.541	2604612	20.039 ug/ml
7) T Acenaphthene (C15.5)	8.840	2788883	20.138 ug/ml
8) T Fluorene (C16.55)	9.633	2650386	20.447 ug/ml
9) T Phenanthrene (C19.36)	11.041	2393861	19.807 ug/ml
10) T Anthracene (C19.43)	11.116	2832967	20.420 ug/ml
12) T Fluoranthene (C21.85)	12.865	2655252	20.482 ug/ml
13) T Pyrene (C20.8)	13.161	2681920	20.539 ug/ml
14) T Benzo[a]anthracene (C...	15.046	2211581	19.441 ug/mlm
15) T Chrysene (C27.41)	15.088	2958316	20.927 ug/ml
16) T benzo[b]fluoranthene ...	16.606	2095638	18.284 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.637	2752315	20.468 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.990	2516077	20.249 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.364	1695760	17.155 ug/mlm
20) T Dibenz[a,h]anthracene...	18.404	3583692	24.343 ug/ml
21) T Benzo[g,h,i]perylene ...	18.618	2680881	20.512 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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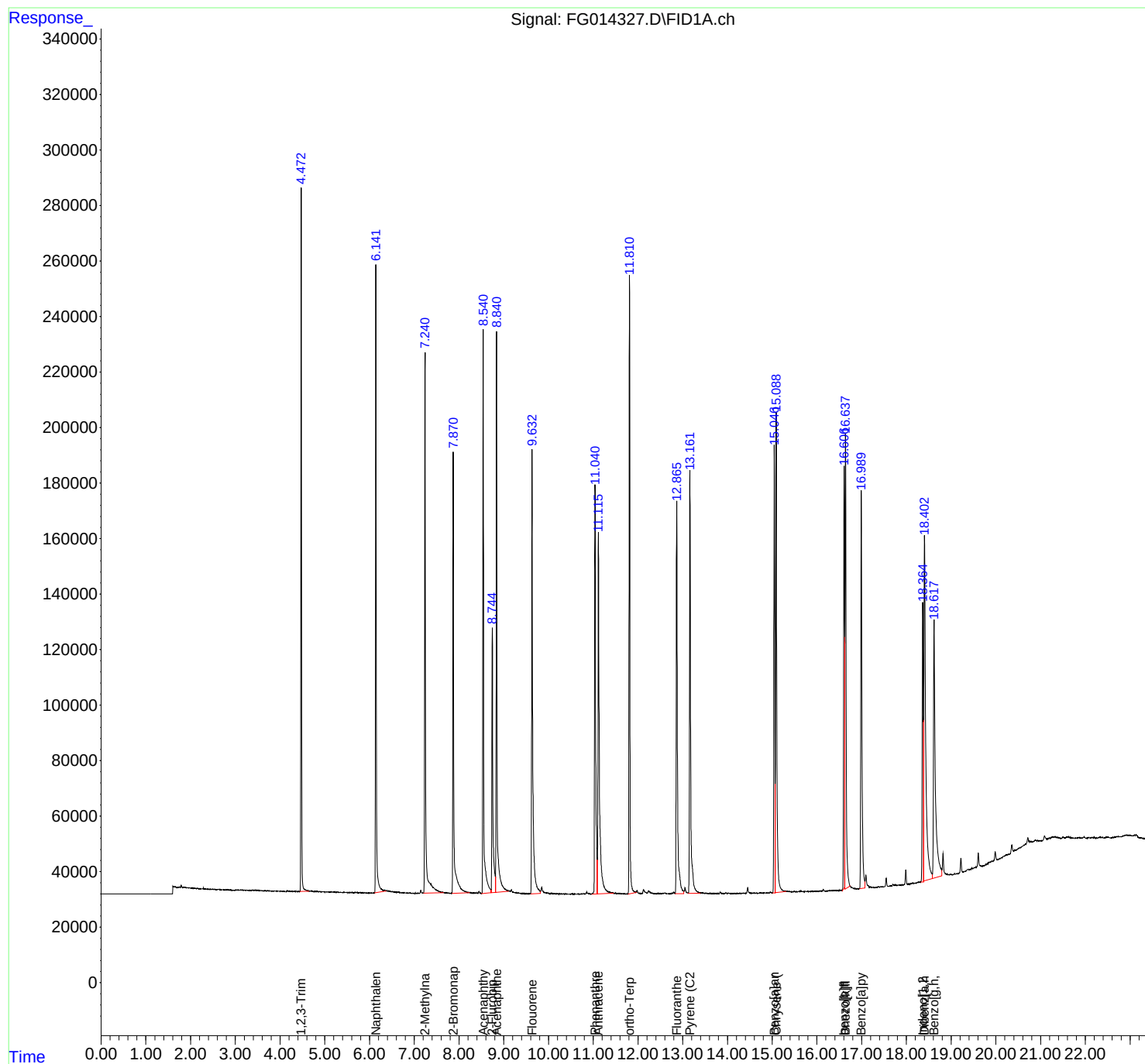
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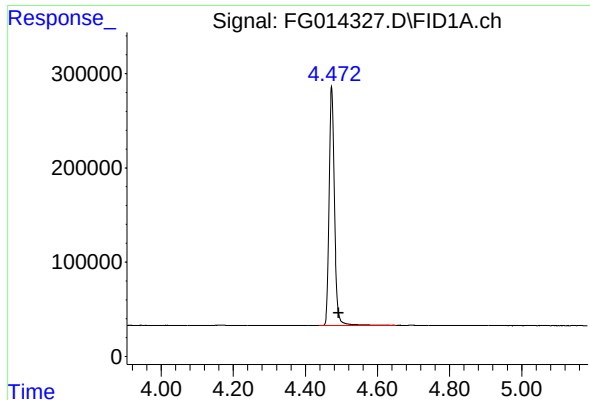
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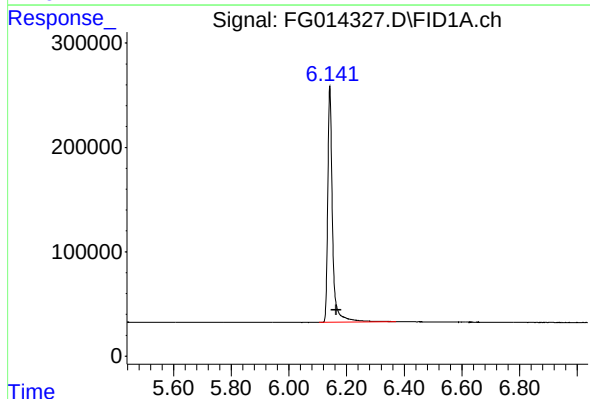
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.473 min
Delta R.T.: -0.019 min
Response: 2620427
Conc: 20.35 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

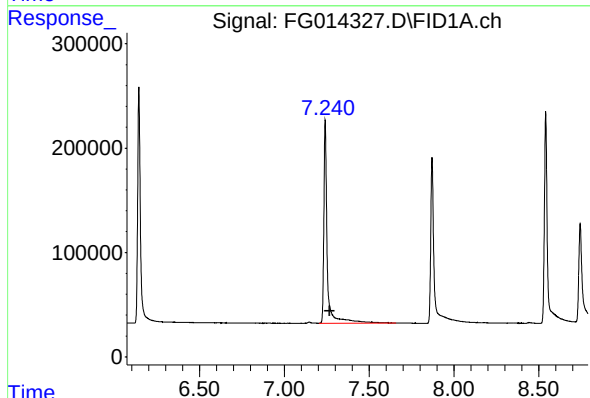
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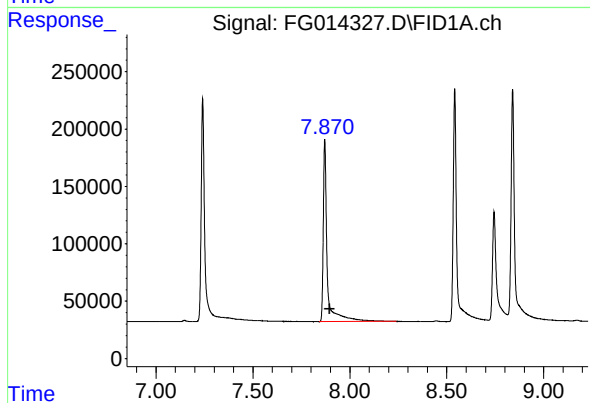
#2 Naphthalene (C11.7)

R.T.: 6.142 min
Delta R.T.: -0.022 min
Response: 2610431
Conc: 20.69 ug/ml



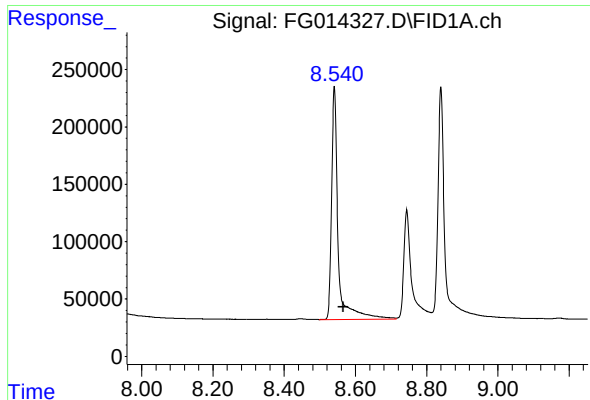
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.241 min
Delta R.T.: -0.025 min
Response: 2739131
Conc: 21.51 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.871 min
Delta R.T.: -0.025 min
Response: 2299908
Conc: 20.56 ug/ml



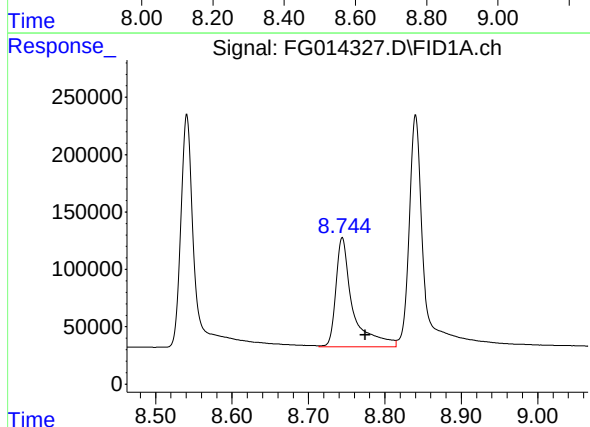
#5 Acenaphthylene (C15.06)

R.T.: 8.541 min
Delta R.T.: -0.025 min
Response: 2604612
Conc: 20.04 ug/ml

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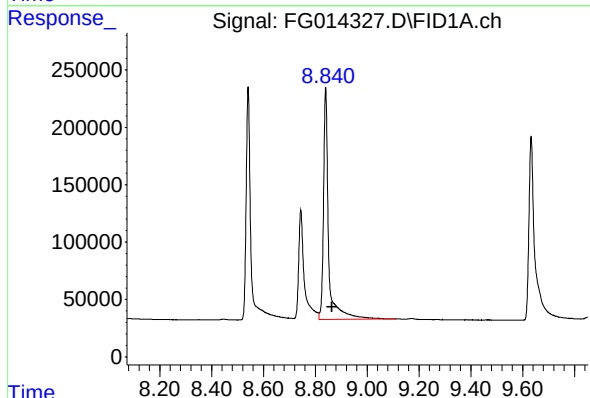
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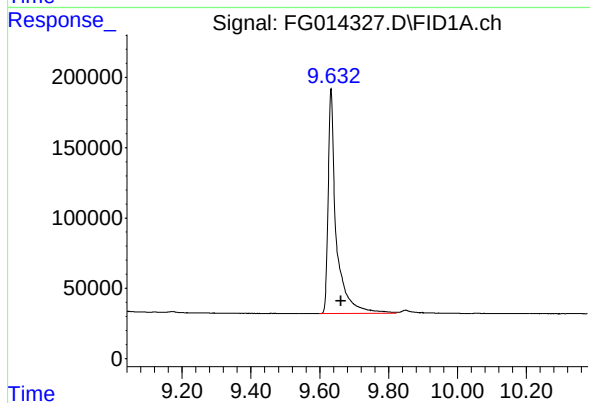
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.744 min
Delta R.T.: -0.030 min
Response: 1466210
Conc: 20.14 ug/ml



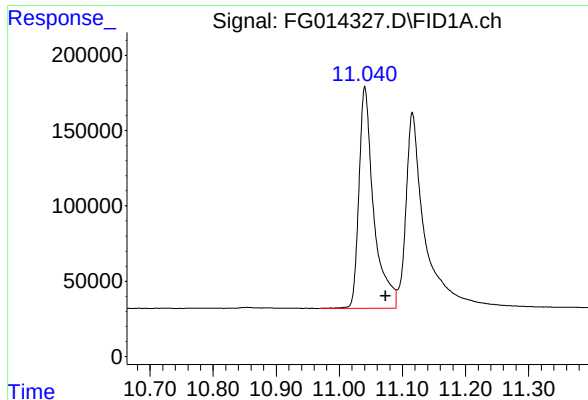
#7 Acenaphthene (C15.5)

R.T.: 8.840 min
Delta R.T.: -0.024 min
Response: 2788883
Conc: 20.14 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.633 min
Delta R.T.: -0.028 min
Response: 2650386
Conc: 20.45 ug/ml



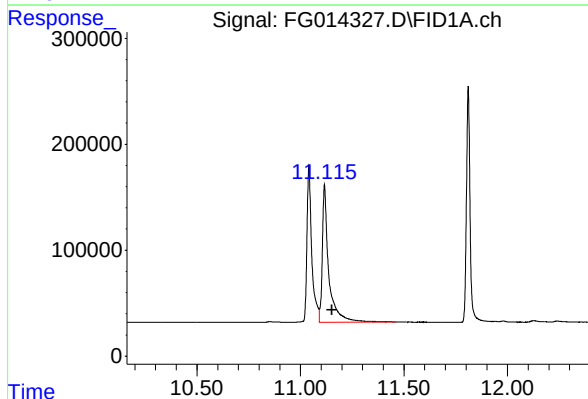
#9 Phenanthrene (C19.36)

R.T.: 11.041 min
Delta R.T.: -0.033 min
Response: 2393861
Conc: 19.81 ug/ml

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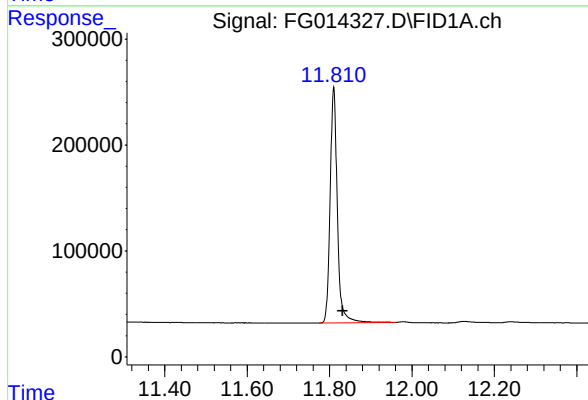
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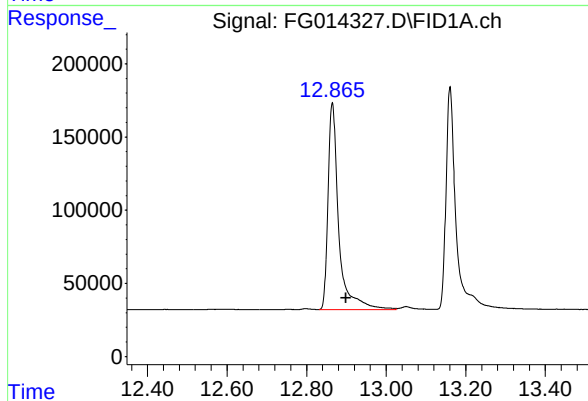
#10 Anthracene (C19.43)

R.T.: 11.116 min
Delta R.T.: -0.036 min
Response: 2832967
Conc: 20.42 ug/ml



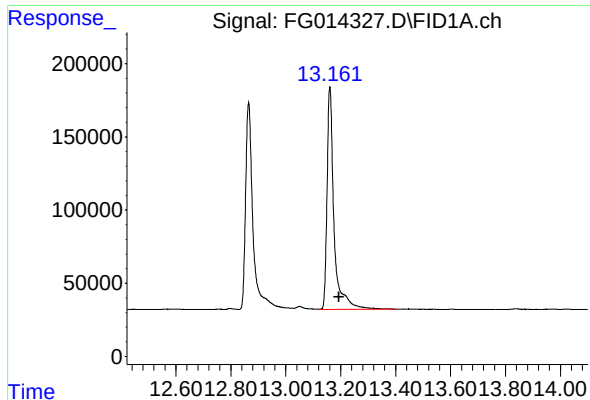
#11 ortho-Terphenyl (SURR)

R.T.: 11.810 min
Delta R.T.: -0.022 min
Response: 2706676
Conc: 20.08 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.865 min
Delta R.T.: -0.034 min
Response: 2655252
Conc: 20.48 ug/ml



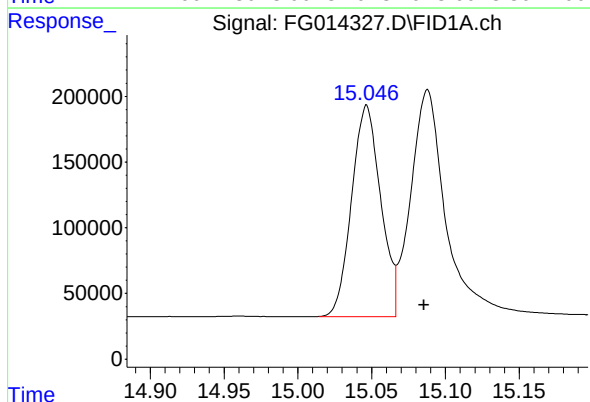
#13 Pyrene (C20.8)

R.T.: 13.161 min
Delta R.T.: -0.033 min
Response: 2681920
Conc: 20.54 ug/ml

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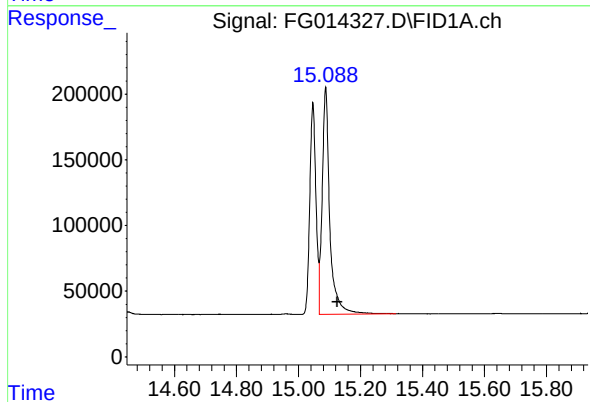
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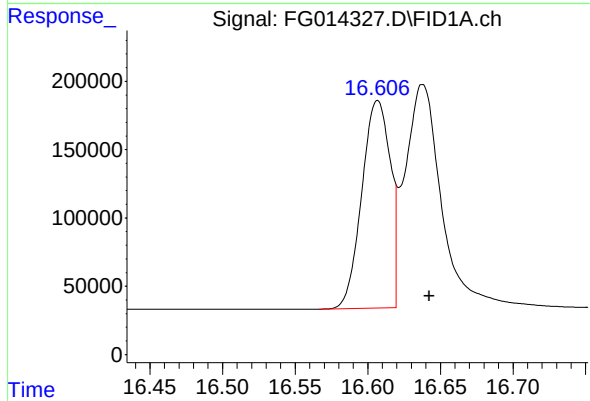
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.046 min
Delta R.T.: -0.039 min
Response: 2211581
Conc: 19.44 ug/ml m



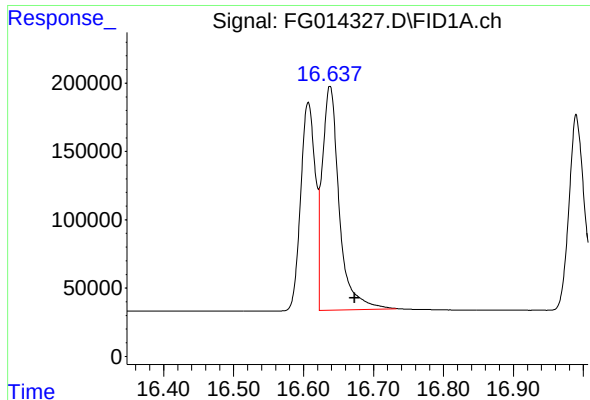
#15 Chrysene (C27.41)

R.T.: 15.088 min
Delta R.T.: -0.037 min
Response: 2958316
Conc: 20.93 ug/ml



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

R.T.: 16.606 min
Delta R.T.: -0.036 min
Response: 2095638
Conc: 18.28 ug/ml m



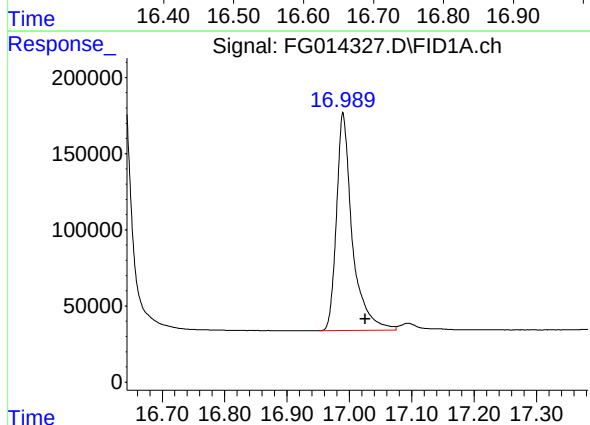
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.637 min
Delta R.T.: -0.036 min
Response: 2752315
Conc: 20.47 ug/ml

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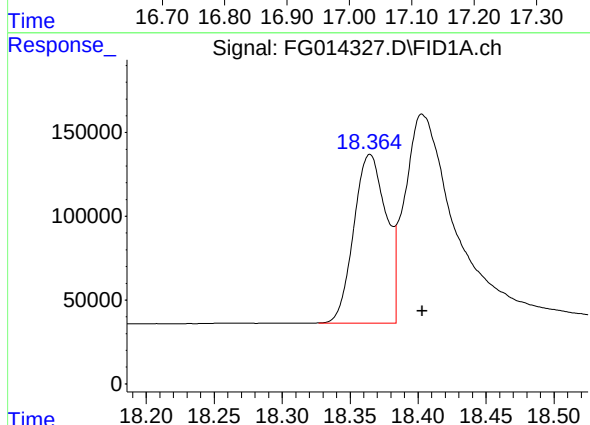
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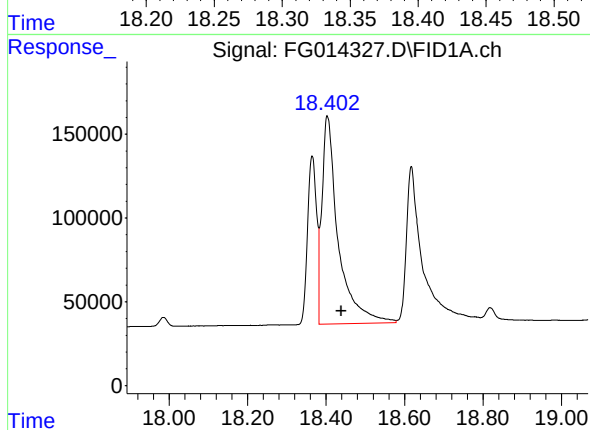
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.990 min
Delta R.T.: -0.035 min
Response: 2516077
Conc: 20.25 ug/ml



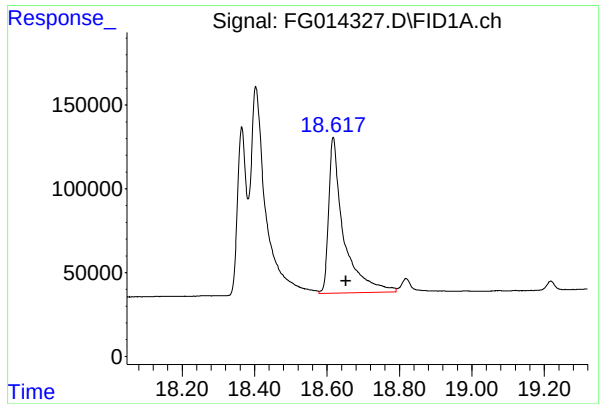
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.364 min
Delta R.T.: -0.039 min
Response: 1695760
Conc: 17.16 ug/ml m



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

R.T.: 18.404 min
Delta R.T.: -0.035 min
Response: 3583692
Conc: 24.34 ug/ml



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

R.T.: 18.618 min
Delta R.T.: -0.034 min
Response: 2680881
Conc: 20.51 ug/ml

Instrument :

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