

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046400.D
 Acq On : 21 Aug 2020 6:00
 Operator : CG/JU
 Sample : L3635-09
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 21 07:16:52 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 21 04:43:40 2020
 Response via : Initial Calibration

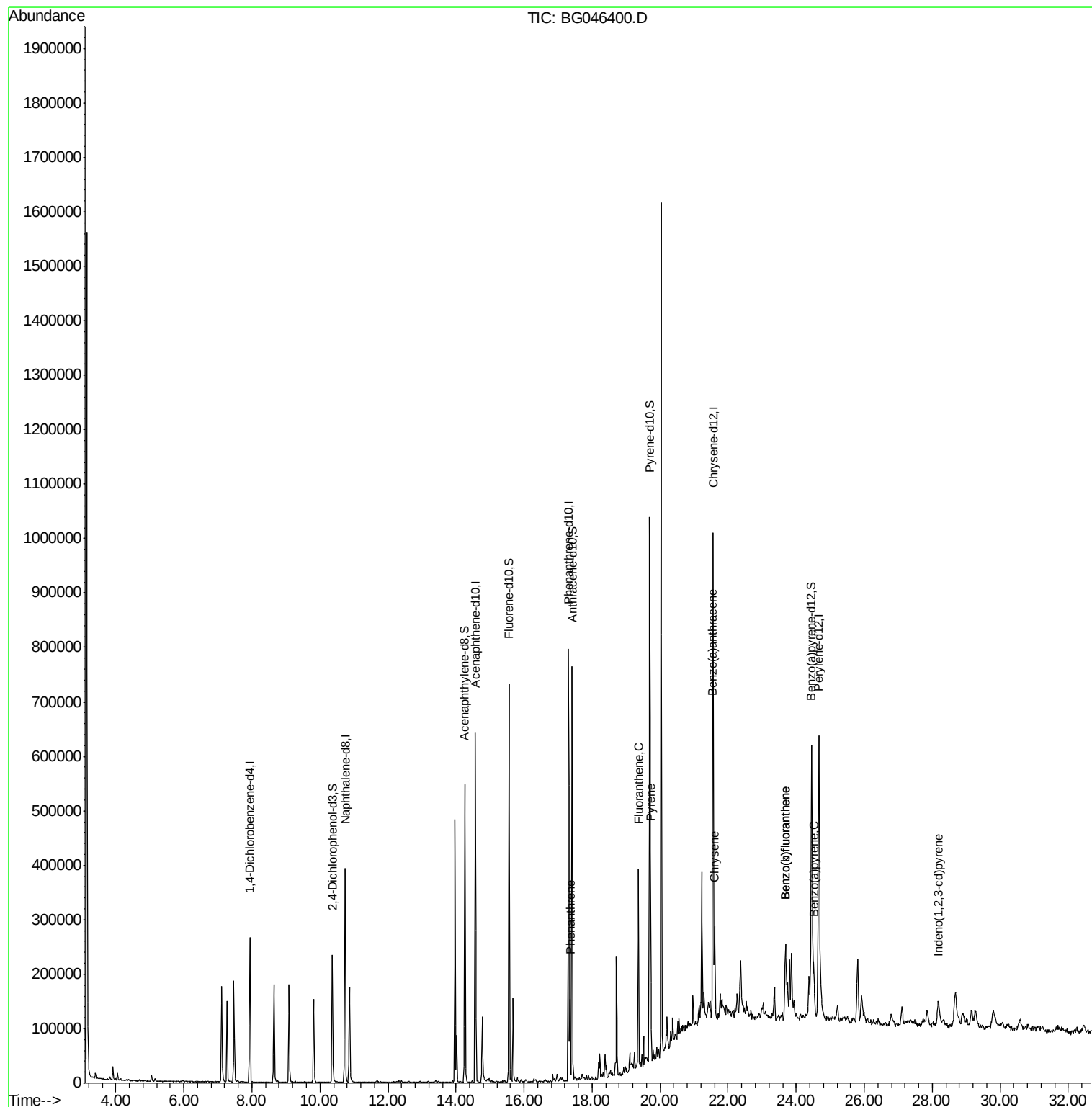
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	84713	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	355230	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	236586	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	528648	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	525050	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	565990	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	106469	17.41	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	409857	18.82	ng/ul	0.00
10) Fluorene-d10	15.56	176	319604	19.16	ng/ul	0.00
15) Anthracene-d10	17.41	188	456489	18.63	ng/ul	0.00
19) Pyrene-d10	19.69	212	525982	19.46	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.45	264	549431	17.79	ng/ul	0.00
Target Compounds				Qvalue		
14) Phenanthrene	17.35	178	95665	3.289	ng/ul	98
17) Fluoranthene	19.36	202	233761	7.208	ng/ul	98
20) Pyrene	19.72	202	213322	6.190	ng/ul	97
21) Benzo(a)anthracene	21.54	228	110165	3.225	ng/ul	99
22) Chrysene	21.60	228	128307	3.885	ng/ul	98
24) Benzo(b)fluoranthene	23.68	252	177775	4.750	ng/ul	97
25) Benzo(k)fluoranthene	23.68	252	177775	4.788	ng/ul	96
27) Benzo(a)pyrene	24.52	252	102375	2.979	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	28.18	276	74075	1.722	ng/ul	99

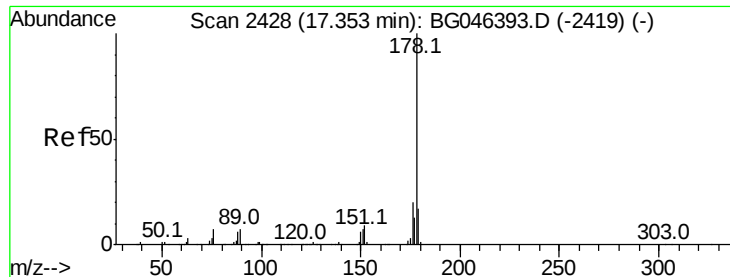
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Phenanthrene

Concen: 3.289 ng/ul

RT: 17.35 min Scan# 2428

Delta R.T. 0.00 min

Lab File: BG046400.D

Acq: 21 Aug 2020 6:00

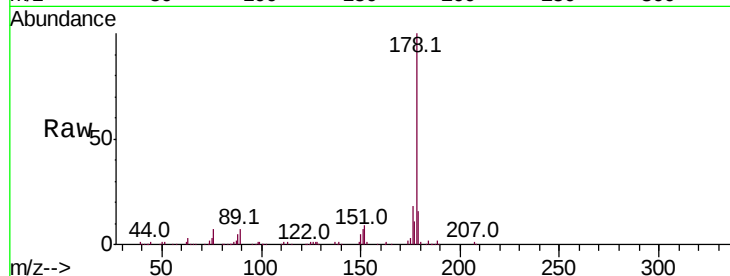
Instrument :

BNA_G

ClientSampleId :

Tot Ion:178 Resp: 95665

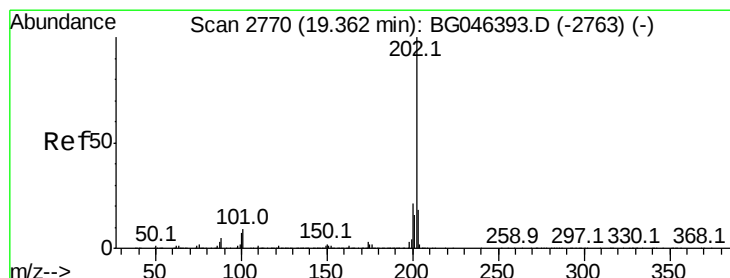
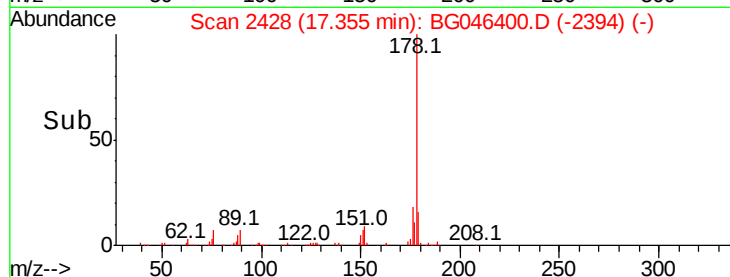
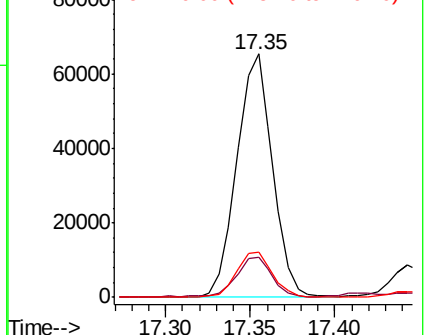
Ion	Ratio	Lower	Upper
178	100		
179	16.4	12.8	19.2
176	18.5	15.8	23.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#17

Fluoranthene

Concen: 7.208 ng/ul

RT: 19.36 min Scan# 2770

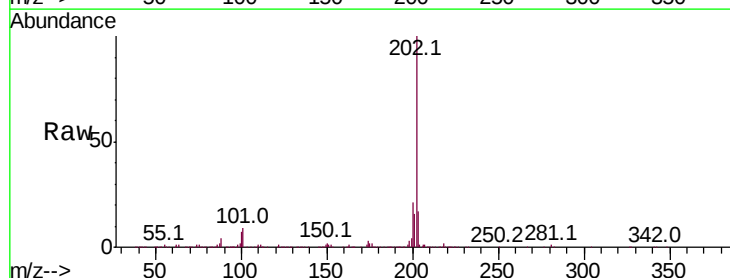
Delta R.T. 0.00 min

Lab File: BG046400.D

Acq: 21 Aug 2020 6:00

Tgt Ion:202 Resp: 233761

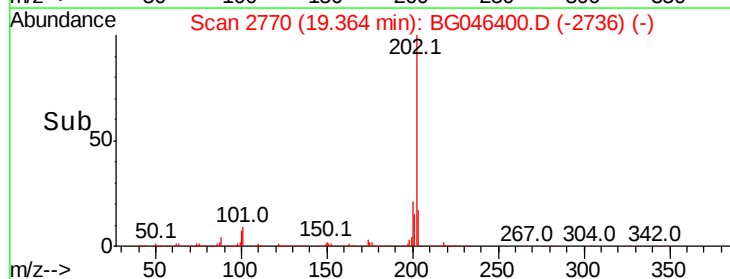
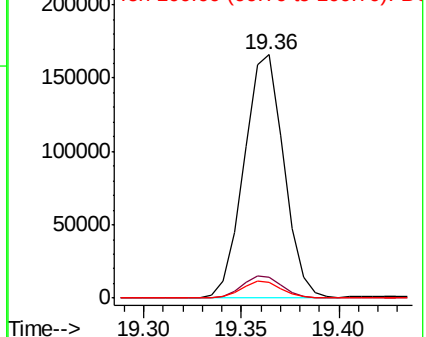
Ion	Ratio	Lower	Upper
202	100		
101	8.8	7.8	11.6
100	6.6	5.9	8.9

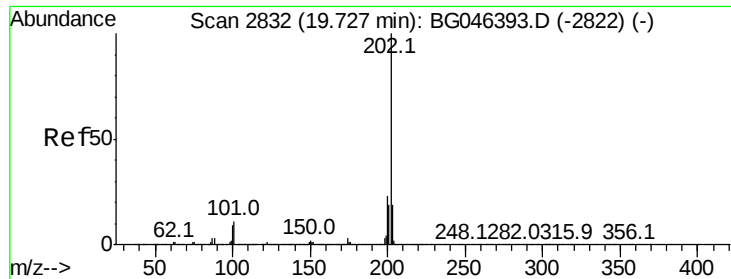


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

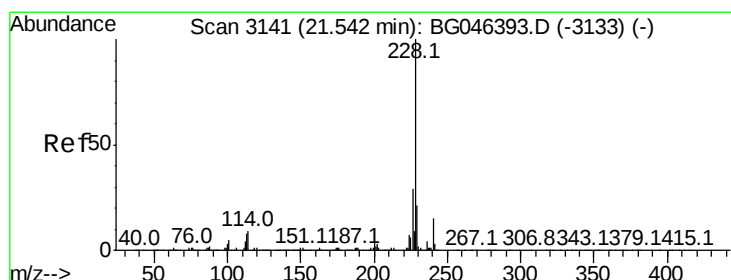
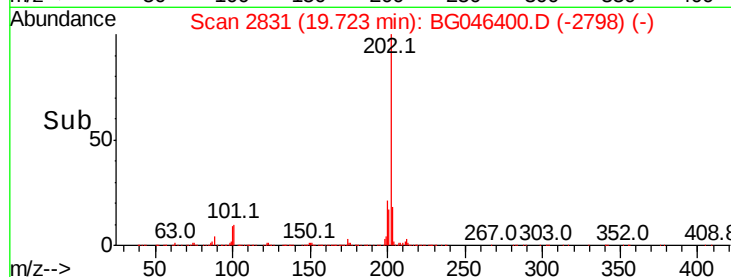
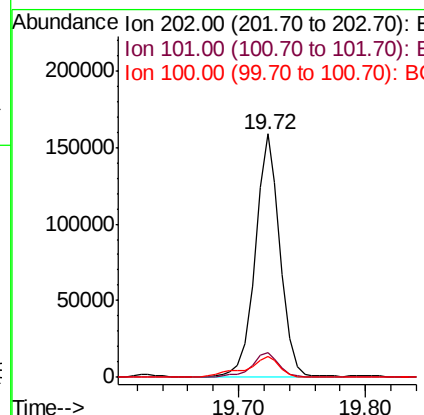
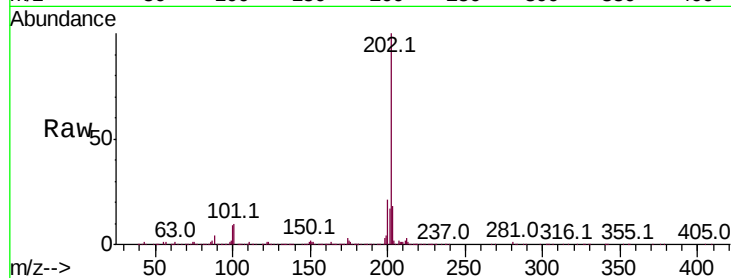




#20
Pvrene
Concen: 6.190 ng/ul
RT: 19.72 min Scan# 2831
Delta R.T. -0.00 min
Lab File: BG046400.D
Acq: 21 Aug 2020 6:00

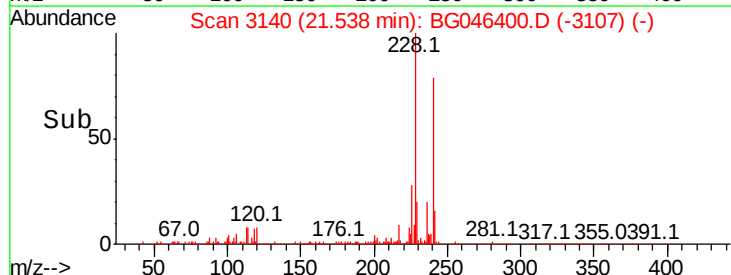
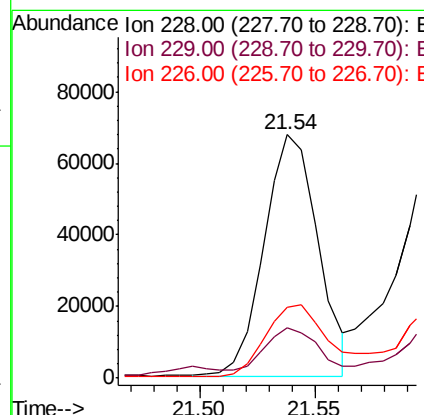
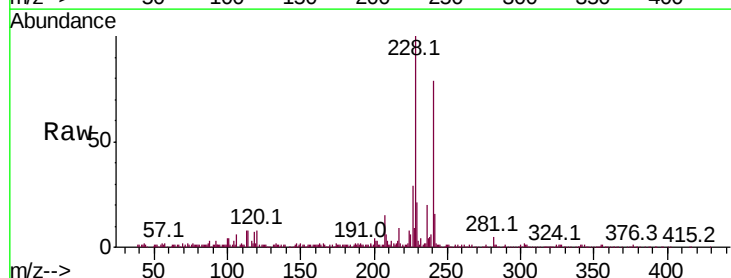
Instrument :
BNA_G
ClientSampleId :

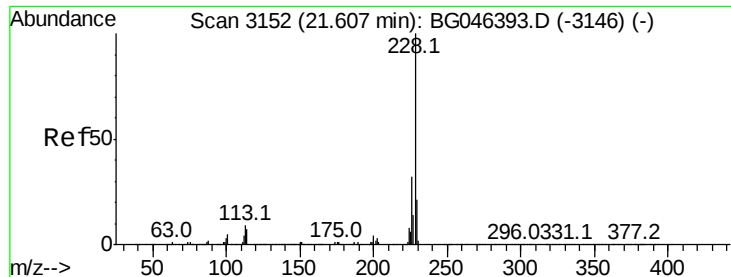
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.9	8.9	13.3
100	8.6	7.9	11.9



#21
Benzo(a)anthracene
Concen: 3.225 ng/ul
RT: 21.54 min Scan# 3140
Delta R.T. -0.00 min
Lab File: BG046400.D
Acq: 21 Aug 2020 6:00

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.9	16.6	25.0
226	28.9	22.6	33.8





#22

Chrysene

Concen: 3.885 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG046400.D

Acq: 21 Aug 2020 6:00

Instrument :

BNA_G

ClientSampleId :

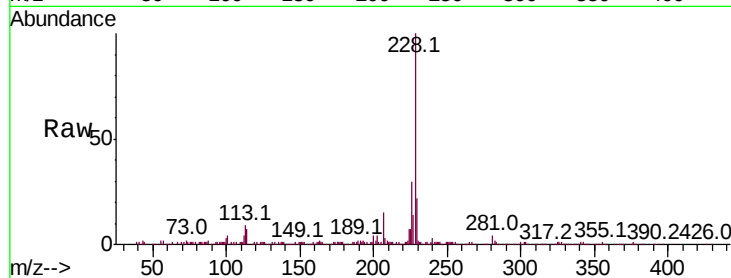
Tot Ion:228 Resp: 128307

Ion Ratio Lower Upper

228 100

226 30.3 25.5 38.3

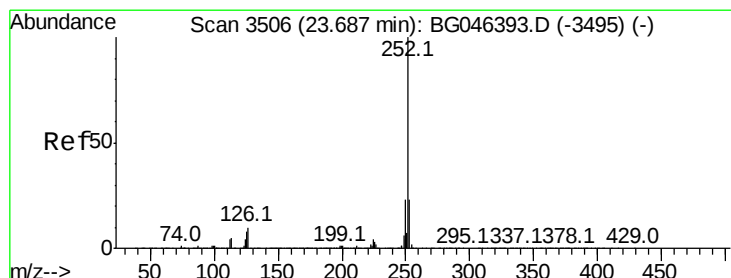
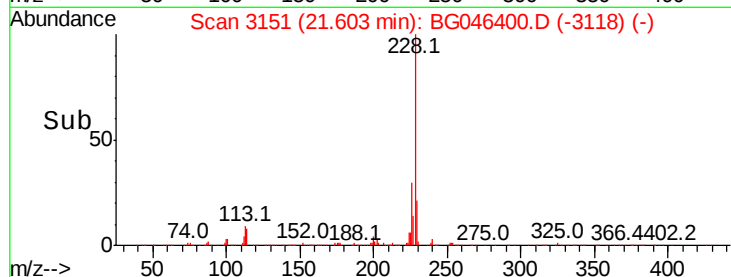
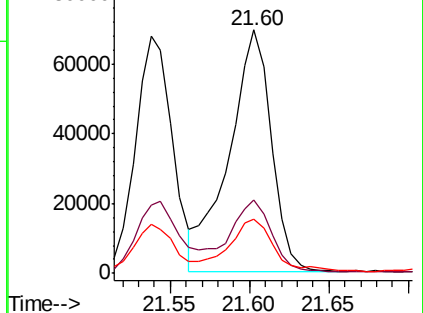
229 22.0 17.0 25.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#24

Benzo(b)fluoranthene

Concen: 4.750 ng/ul

RT: 23.68 min Scan# 3505

Delta R.T. -0.00 min

Lab File: BG046400.D

Acq: 21 Aug 2020 6:00

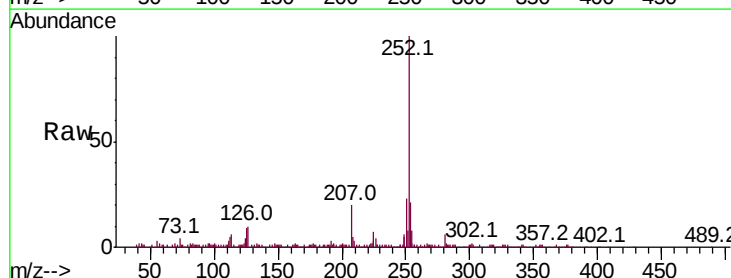
Tgt Ion:252 Resp: 177775

Ion Ratio Lower Upper

252 100

253 21.0 17.8 26.6

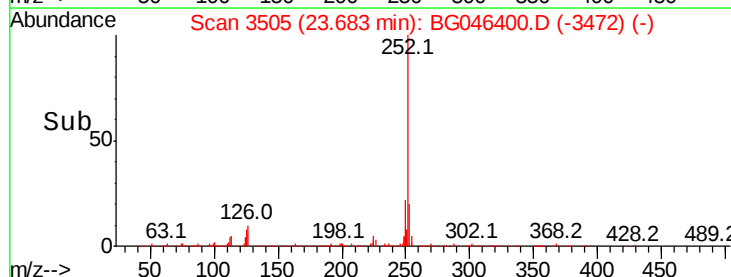
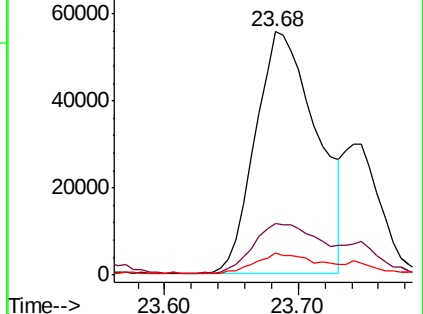
125 9.1 6.4 9.6

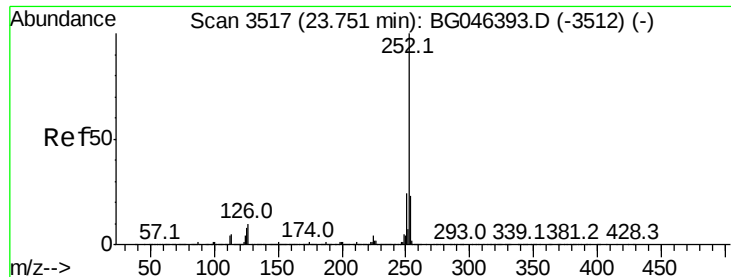


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

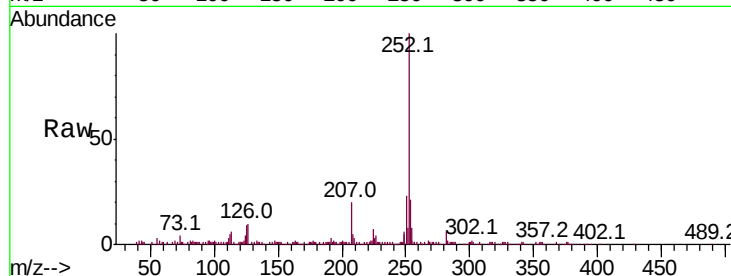




#25
Benzo(k)fluoranthene
Concen: 4.788 ng/ul
RT: 23.68 min Scan# 3505
Delta R.T. -0.07 min
Lab File: BG046400.D
Acq: 21 Aug 2020 6:00

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.0	18.5	27.7
125	9.1	6.2	9.2

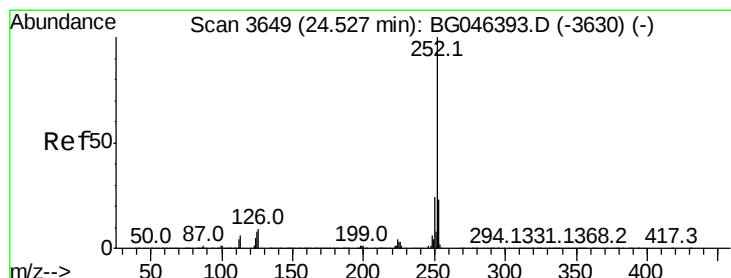
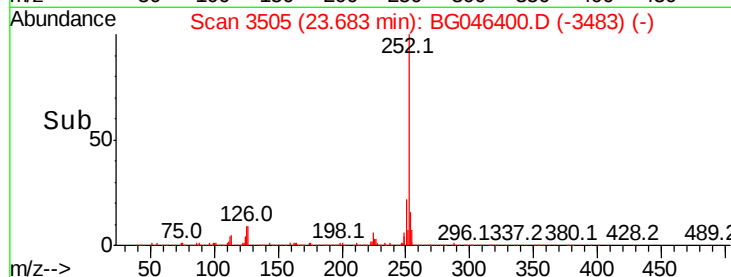
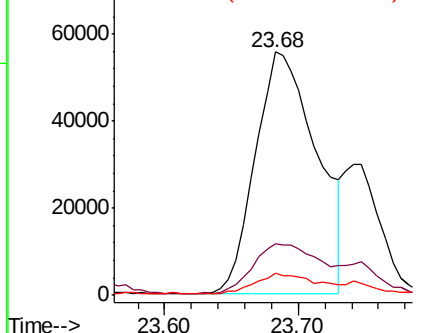


Abundance

Ion 252.00 (251.70 to 252.70): E

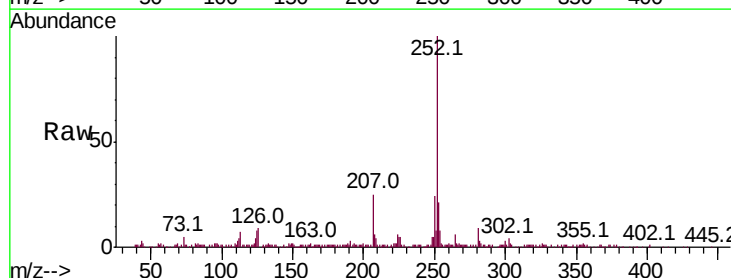
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#27
Benzo(a)pyrene
Concen: 2.979 ng/ul
RT: 24.52 min Scan# 3647
Delta R.T. -0.01 min
Lab File: BG046400.D
Acq: 21 Aug 2020 6:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.6	17.8	26.8
125	8.1	7.1	10.7

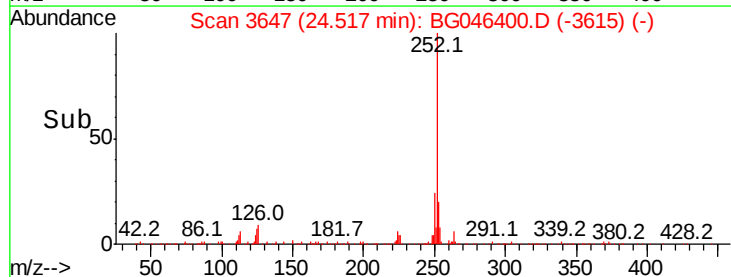
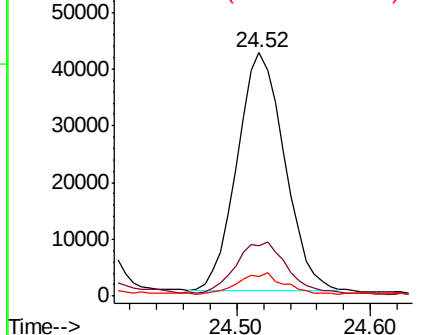


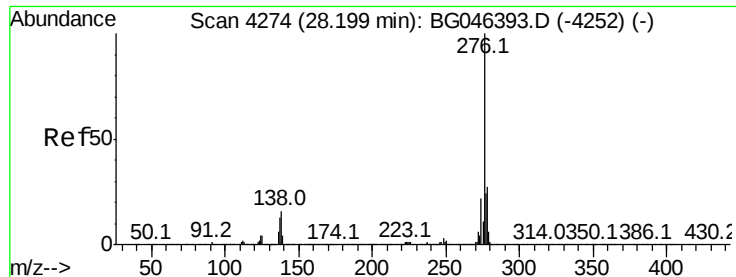
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#28

Indeno(1,2,3-cd)pyrene

Concen: 1.722 ng/ul

RT: 28.18 min Scan# 4270

Delta R.T. -0.02 min

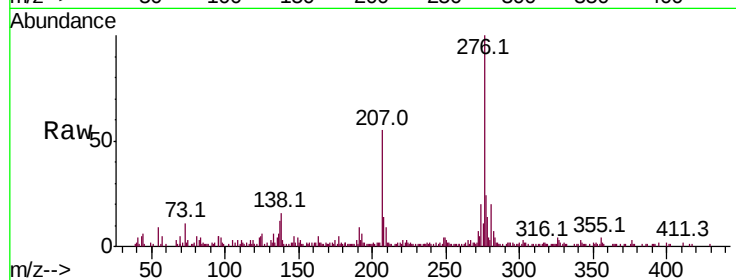
Lab File: BG046400.D

Acq: 21 Aug 2020 6:00

Instrument :

BNA_G

ClientSampleId :



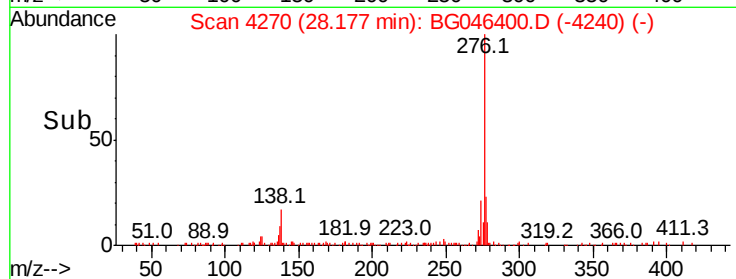
Tot Ion: 276 Resp: 74075

Ion Ratio Lower Upper

276 100

138 16.3 13.2 19.8

277 24.2 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

