

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
 Data File : BG042023.D
 Acq On : 7 Aug 2019 9:51
 Operator : HP/JU
 Sample : K4028-07
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 07 10:58:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 07 10:54:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	74787	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	323153	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	239958	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	507849	20.00	ng/ul	0.00
77) Chrysene-d12	21.72	240	490617	20.00	ng/ul	0.00
85) Perylene-d12	24.99	264	600231	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	5408	3.16	ng/uL	0.00
5) Phenol-d5	7.17	99	112763	19.21	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	59622	18.16	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	105056	20.94	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	97453	19.78	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	52099	21.42	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	64568	22.86	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.46	165	125852	22.07	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	88340	13.96	ng/ul	0.00
43) Dimethylphthalate-d6	14.08	166	429727	23.09	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	494577	23.26	ng/ul	0.00
51) 4-Nitrophenol-d4	14.87	143	50054	16.02	ng/ul	0.00
57) Fluorene-d10	15.68	176	389418	23.52	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.79	200	63952	19.63	ng/ul	0.00
70) Anthracene-d10	17.54	188	605246	24.84	ng/ul	0.00
78) Pyrene-d10	19.82	212	670119	24.48	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.77	264	775357	24.73	ng/ul	0.00

Target Compounds

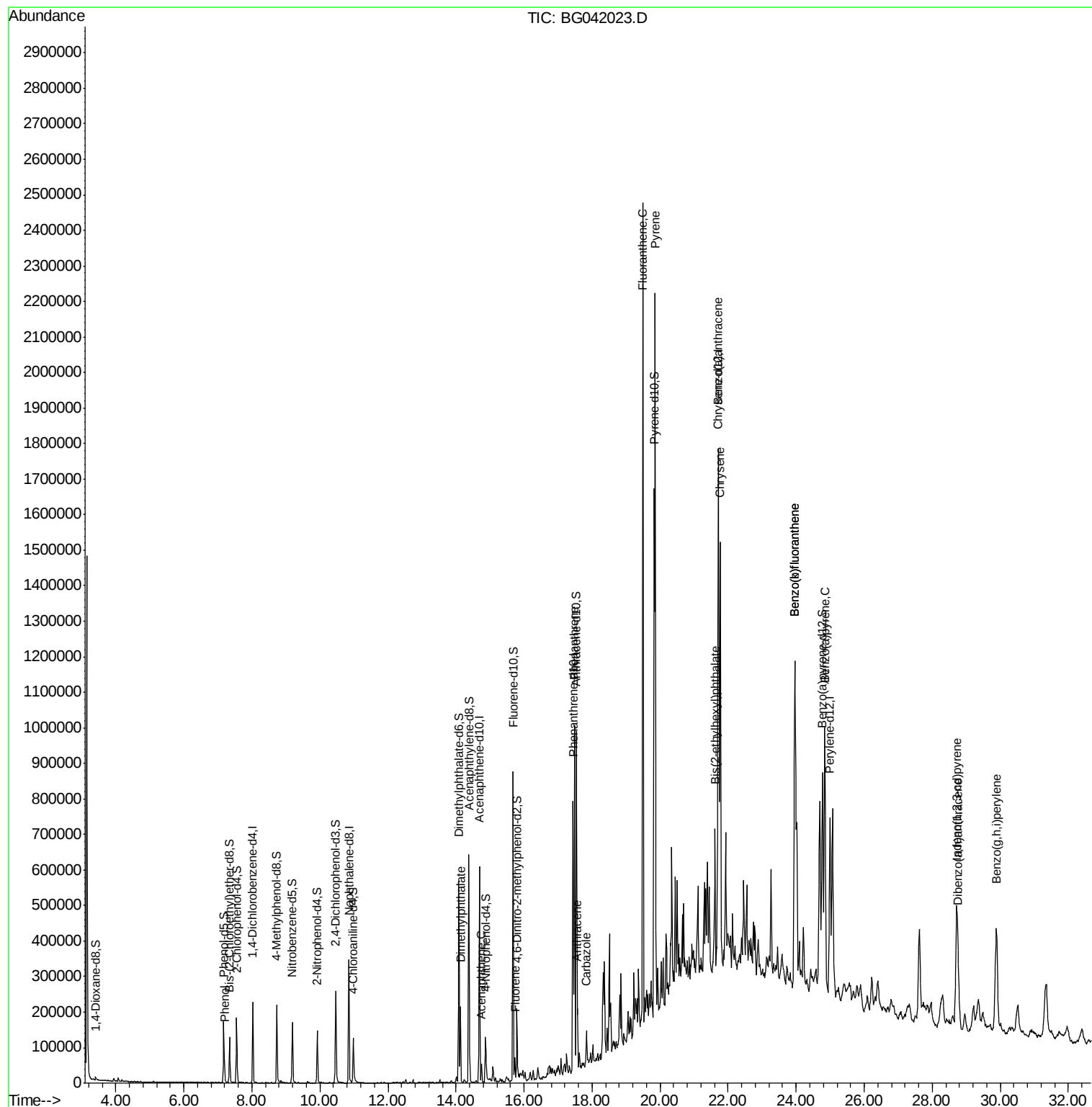
					Ovalue	
6) Phenol	7.20	94	7561	1.248	ng/ul	95
44) Dimethylphthalate	14.13	163	152619	8.259	ng/ul	98
49) Acenaphthene	14.75	153	23570	1.571	ng/ul	98
58) Fluorene	15.73	166	29840	1.655	ng/ul	97
69) Phenanthrene	17.48	178	662355	23.824	ng/ul	99
71) Anthracene	17.57	178	125554	4.453	ng/ul	97
74) Carbazole	17.84	167	69095	2.958	ng/ul	98
76) Fluoranthene	19.49	202	1510646	47.026	ng/ul	100
79) Pvrene	19.86	202	1411750	42.778	ng/ul	99
82) Benzo(a)anthracene	21.70	228	880789	25.893	ng/ul	99
83) Bis(2-ethylhexyl)phthalate	21.62	149	202018	11.398	ng/ul	99
84) Chrysene	21.77	228	920184	28.983	ng/ul	97
87) Benzo(b)fluoranthene	23.96	252	1257213	33.377	ng/ul	98
88) Benzo(k)fluoranthene	23.96	252	1257213	34.713	ng/ul	97
90) Benzo(a)pyrene	24.84	252	911570	25.396	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	28.72	276	677102	16.173	ng/ul	98
92) Dibenzo(a,h)anthracene	28.77	278	172189	5.042	ng/ul	94
93) Benzo(g,h,i)perylene	29.89	276	638260	18.260	ng/ul	98

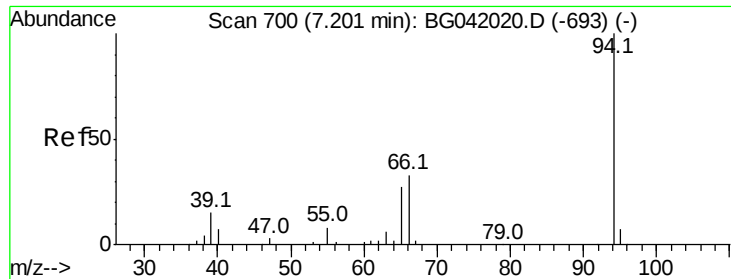
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Phenol

Concen: 1.248 ng/ul

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG042023.D

Acq: 7 Aug 2019 9:51

Instrument :

BNA_G

ClientSampleId :

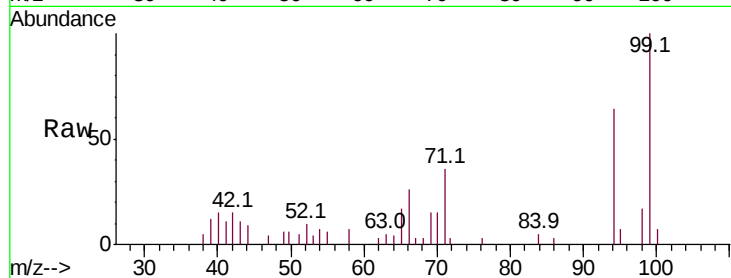
Tot Ion: 94 Resp: 7561

Ion Ratio Lower Upper

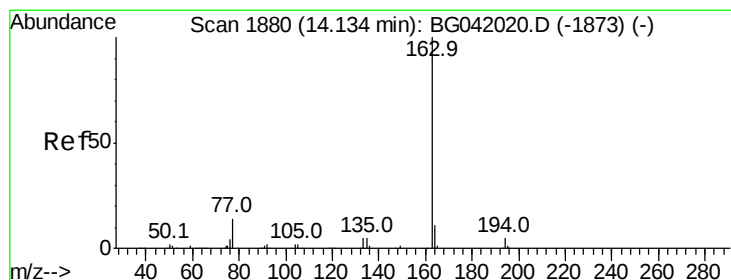
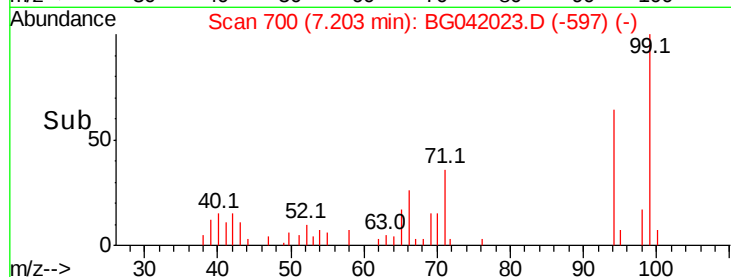
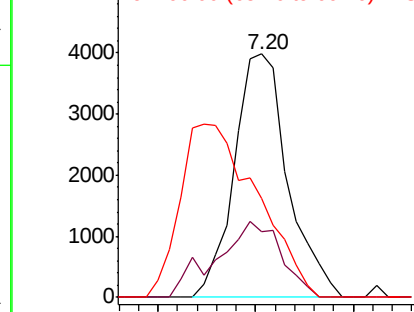
94 100

65 27.0 25.8 38.6

66 40.7 31.8 47.8



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#44

Dimethylphthalate

Concen: 8.259 ng/ul

RT: 14.13 min Scan# 1879

Delta R.T. -0.00 min

Lab File: BG042023.D

Acq: 7 Aug 2019 9:51

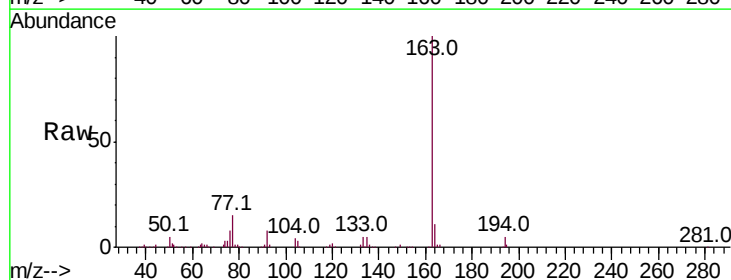
Tgt Ion:163 Resp: 152619

Ion Ratio Lower Upper

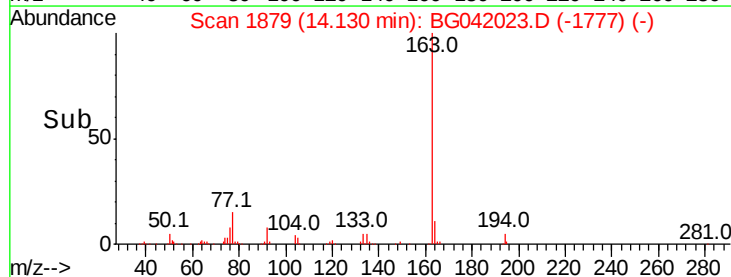
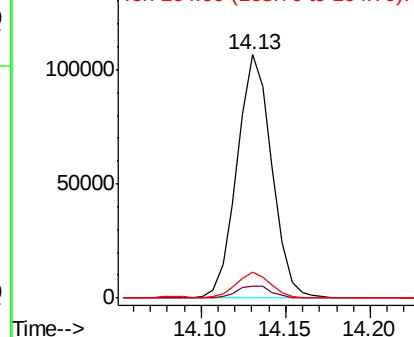
163 100

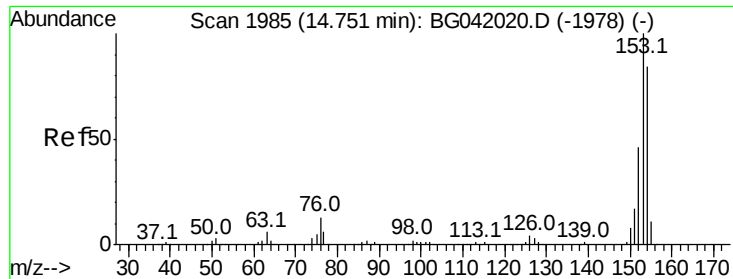
194 4.7 4.2 6.2

164 10.5 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#49

Acenaphthene

Concen: 1.571 ng/ul

RT: 14.75 min Scan# 1984

Delta R.T. -0.00 min

Lab File: BG042023.D

Acq: 7 Aug 2019 9:51

Instrument :

BNA_G

ClientSampleId :

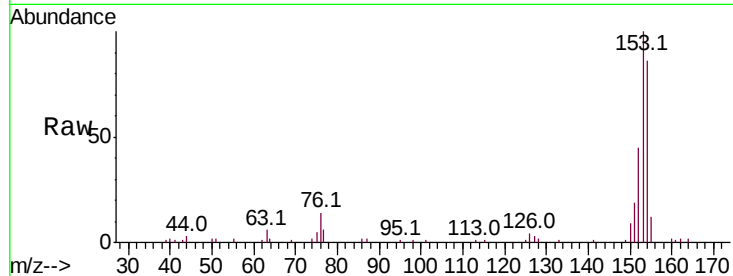
Tot Ion:153 Resp: 23570

Ion Ratio Lower Upper

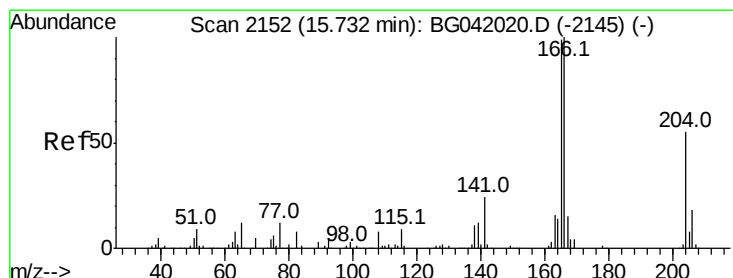
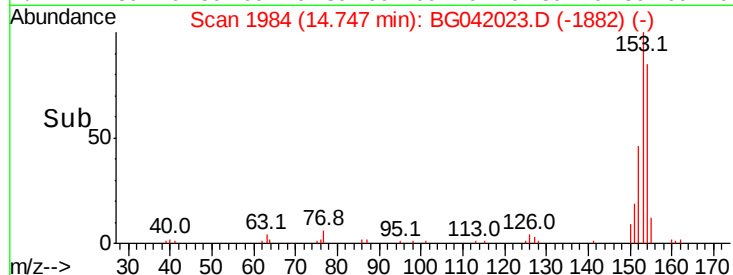
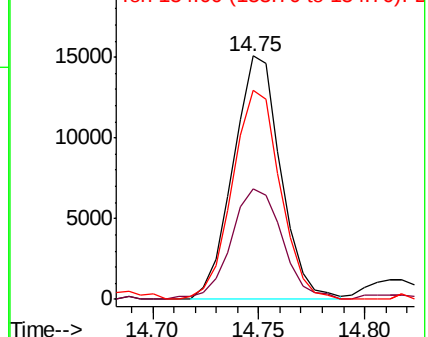
153 100

152 45.4 37.8 56.8

154 85.9 69.4 104.2



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#58

Fluorene

Concen: 1.655 ng/ul

RT: 15.73 min Scan# 2152

Delta R.T. -0.00 min

Lab File: BG042023.D

Acq: 7 Aug 2019 9:51

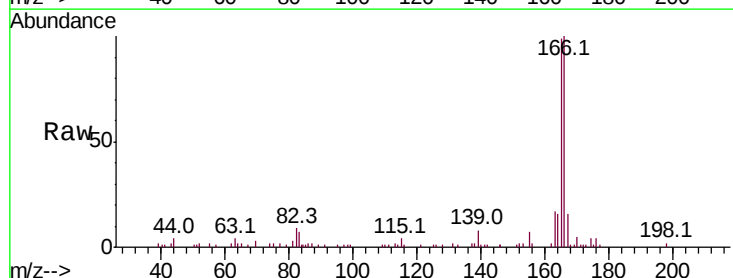
Tgt Ion:166 Resp: 29840

Ion Ratio Lower Upper

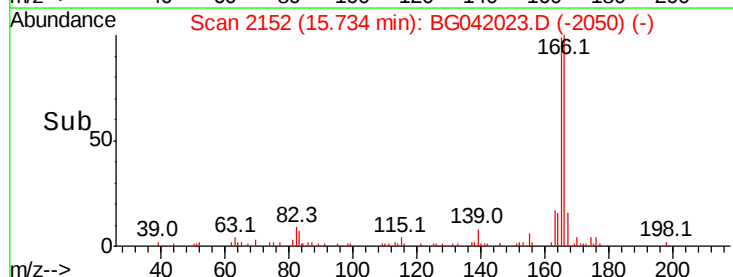
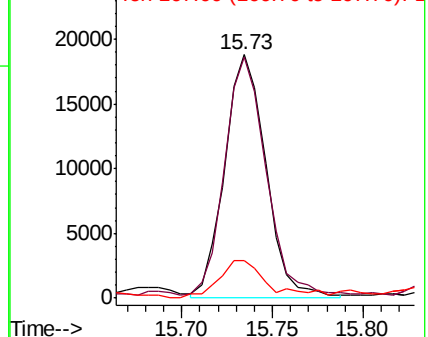
166 100

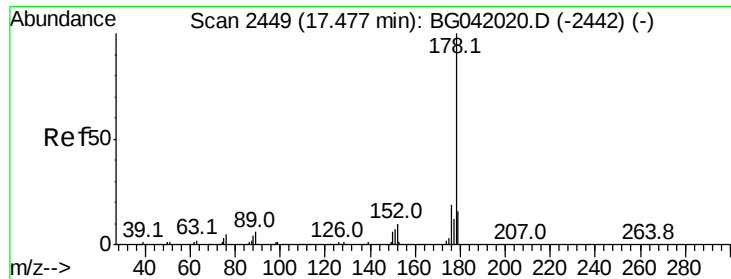
165 98.9 81.1 121.7

167 15.5 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 23.824 ng/ul

RT: 17.48 min Scan# 2449

Delta R.T. -0.00 min

Lab File: BG042023.D

Acq: 7 Aug 2019 9:51

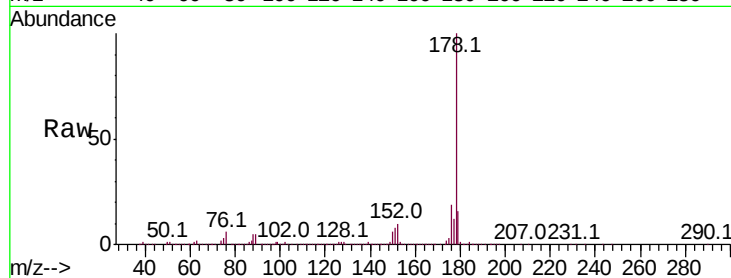
Instrument :

BNA_G

ClientSampleId :

Tot Ion:178 Resp: 662355

Ion	Ratio	Lower	Upper
178	100		
179	16.4	12.8	19.2
176	19.5	15.4	23.2

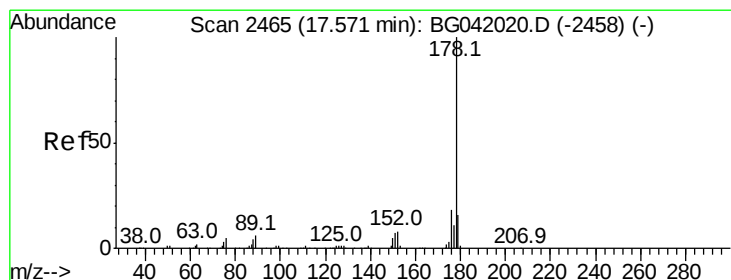
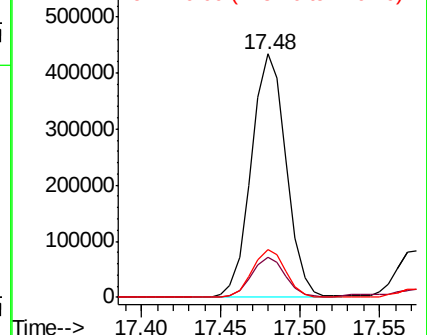
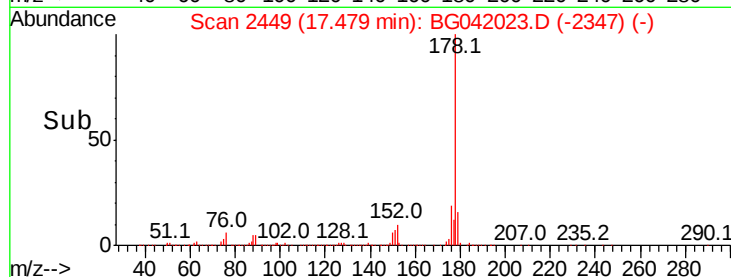


Abundance

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



#71

Anthracene

Concen: 4.453 ng/ul

RT: 17.57 min Scan# 2465

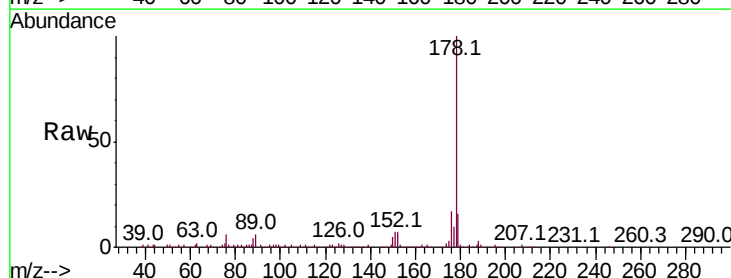
Delta R.T. 0.00 min

Lab File: BG042023.D

Acq: 7 Aug 2019 9:51

Tgt Ion:178 Resp: 125554

Ion	Ratio	Lower	Upper
178	100		
179	16.2	13.4	20.0
176	16.8	15.4	23.2

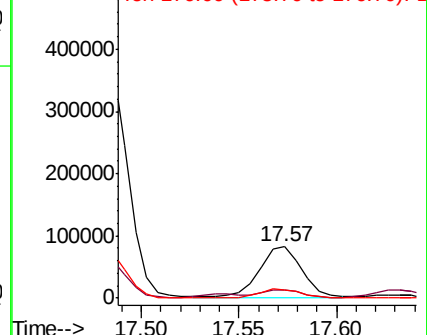
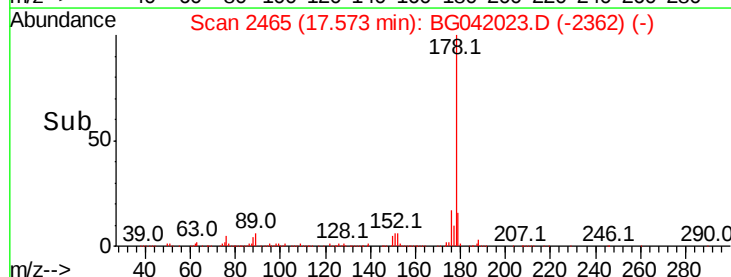


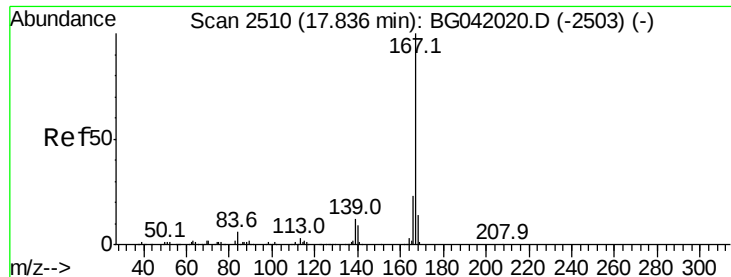
Abundance

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

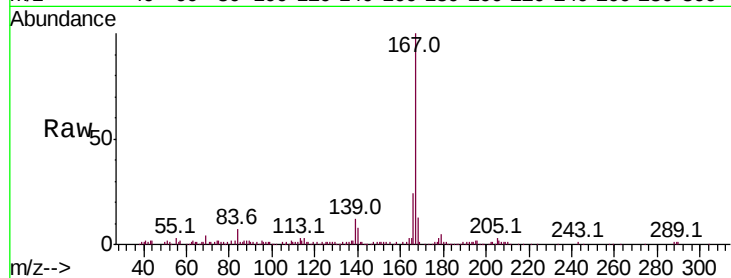




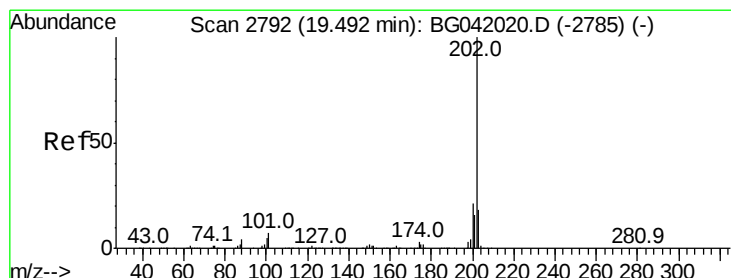
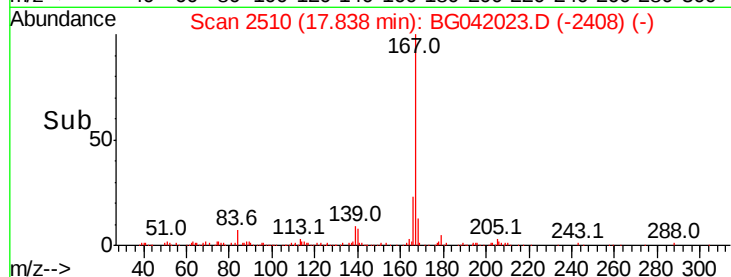
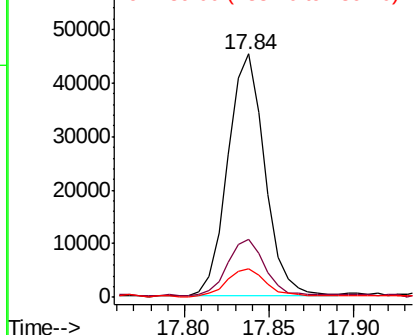
#74
 Carbazole
 Concen: 2.958 ng/ul
 RT: 17.84 min Scan# 2510
 Delta R.T. -0.00 min
 Lab File: BG042023.D
 Acq: 7 Aug 2019 9:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.8	18.2	27.4
139	11.5	9.6	14.4

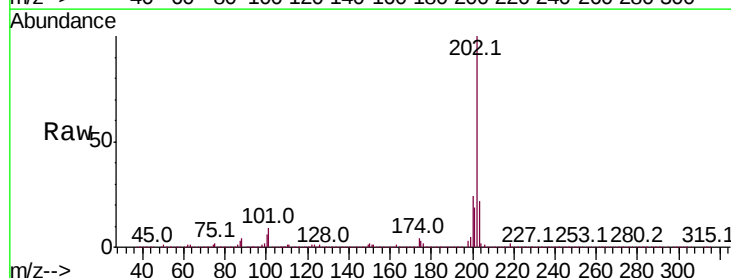


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

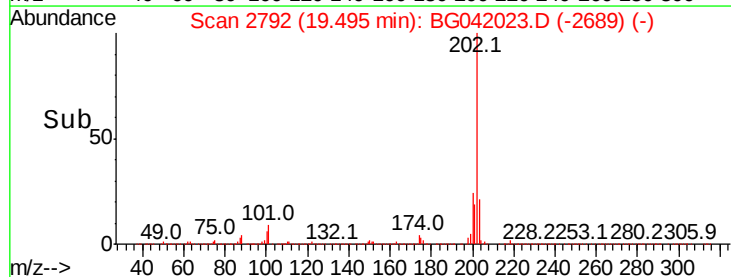
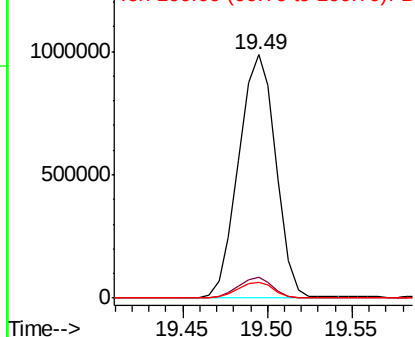


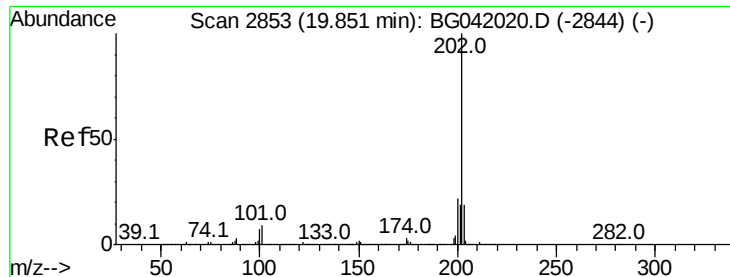
#76
 Fluoranthene
 Concen: 47.026 ng/ul
 RT: 19.49 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: BG042023.D
 Acq: 7 Aug 2019 9:51

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.5	6.7	10.1
100	6.5	5.3	7.9



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





#79

Pvrene

Concen: 42.778 ng/ul

RT: 19.86 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BG042023.D

Acq: 7 Aug 2019 9:51

Instrument :

BNA_G

ClientSampleId :

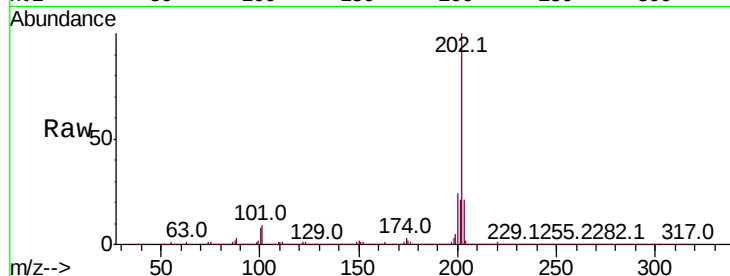
Tot Ion:202 Resp: 1411750

Ion Ratio Lower Upper

202 100

101 9.3 7.6 11.4

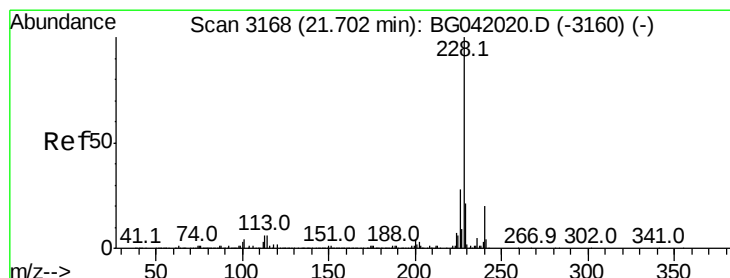
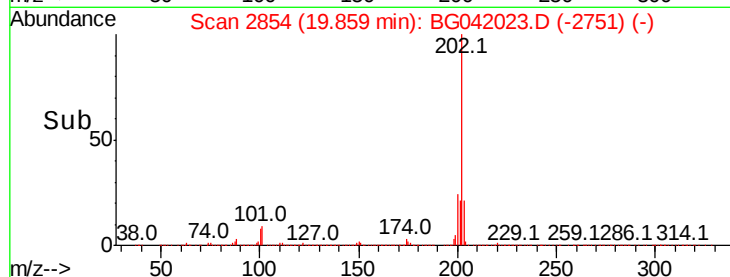
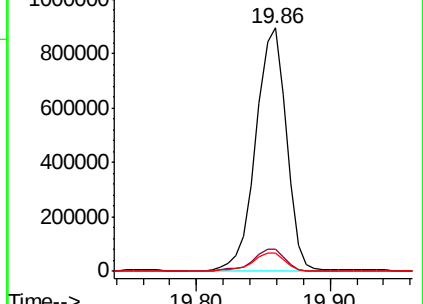
100 7.5 6.5 9.7



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



#82

Benzo(a)anthracene

Concen: 25.893 ng/ul

RT: 21.70 min Scan# 3168

Delta R.T. 0.00 min

Lab File: BG042023.D

Acq: 7 Aug 2019 9:51

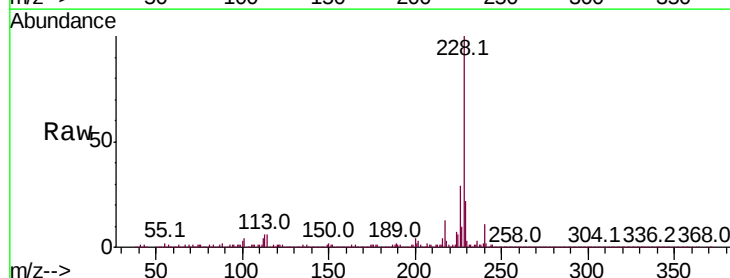
Tgt Ion:228 Resp: 880789

Ion Ratio Lower Upper

228 100

229 22.3 17.0 25.6

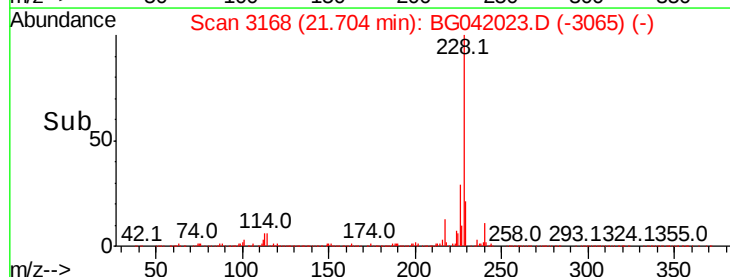
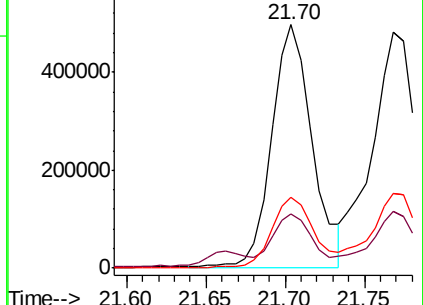
226 29.3 23.3 34.9

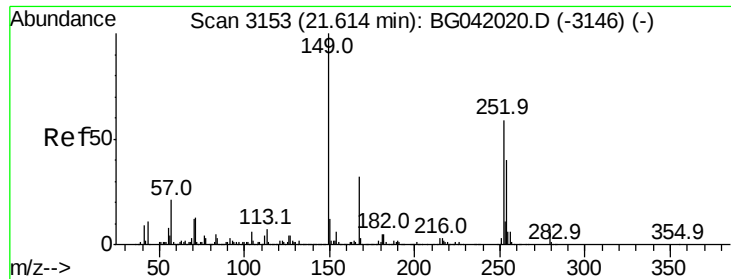


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

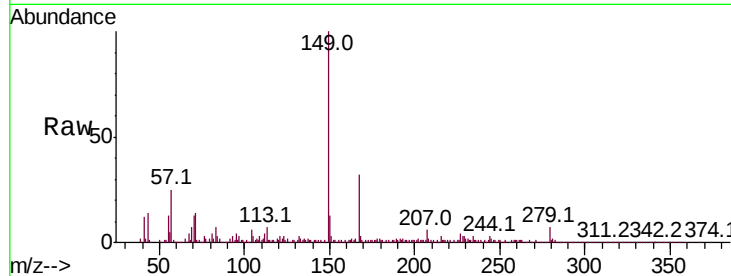




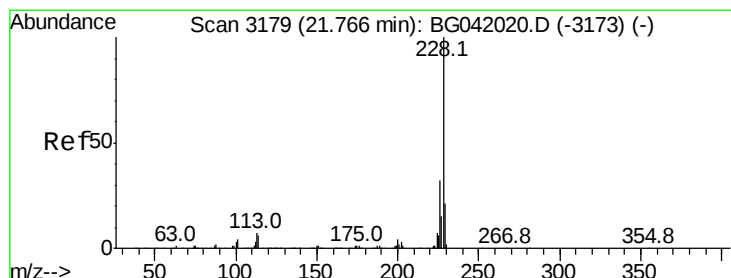
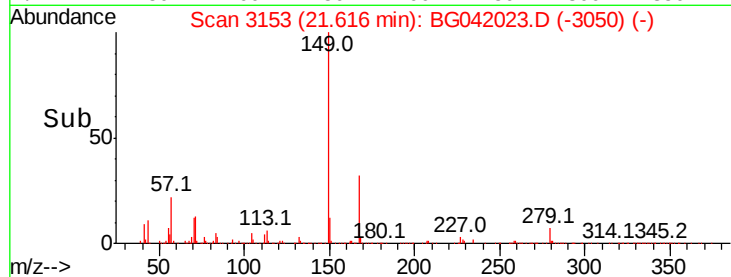
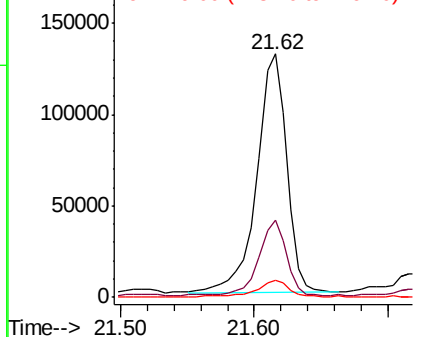
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 11.398 ng/ul
 RT: 21.62 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: BG042023.D
 Acq: 7 Aug 2019 9:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:149 Resp: 202018
 Ion Ratio Lower Upper
 149 100
 167 31.7 25.0 37.4
 279 7.2 5.2 7.8

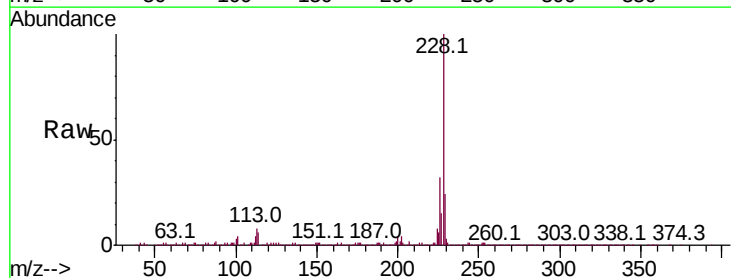


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

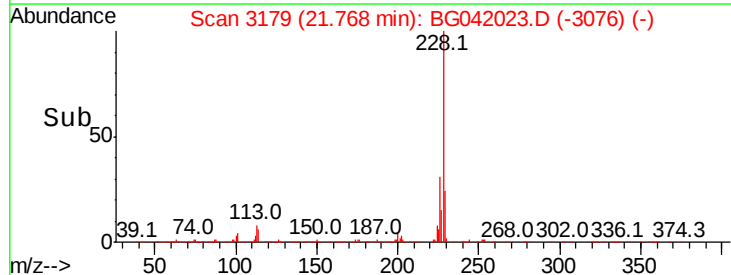
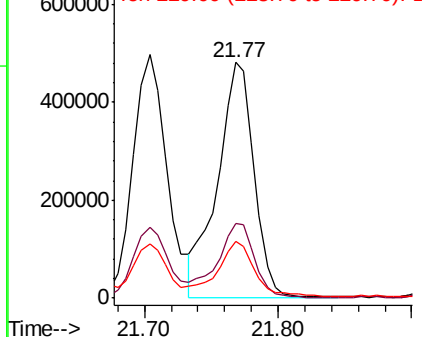


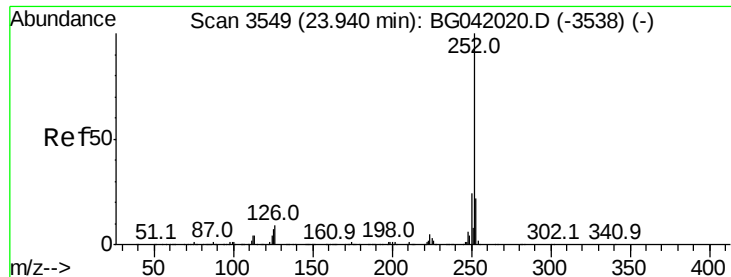
#84
 Chrysene
 Concen: 28.983 ng/ul
 RT: 21.77 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: BG042023.D
 Acq: 7 Aug 2019 9:51

Tgt Ion:228 Resp: 920184
 Ion Ratio Lower Upper
 228 100
 226 31.7 25.7 38.5
 229 24.1 16.6 24.8



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





#87

Benzo(b)fluoranthene

Concen: 33.377 ng/ul

RT: 23.96 min Scan# 3552

Delta R.T. 0.01 min

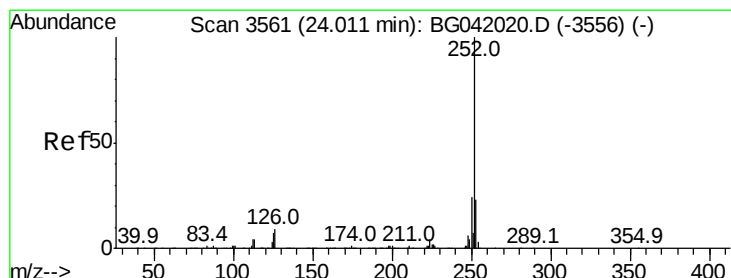
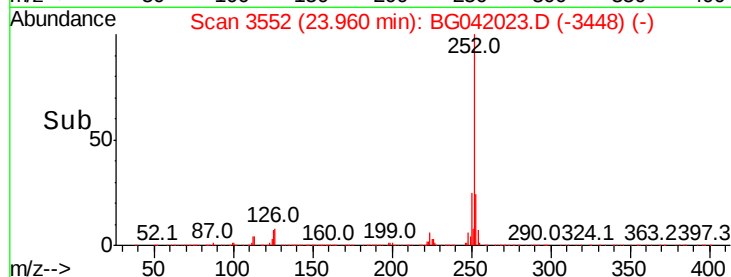
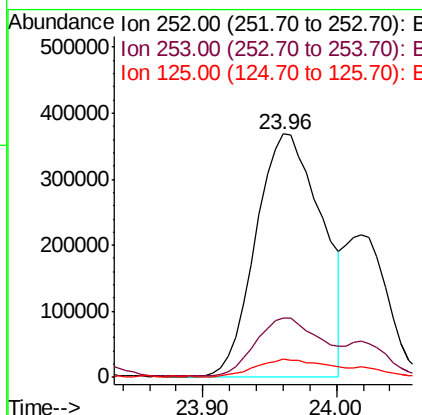
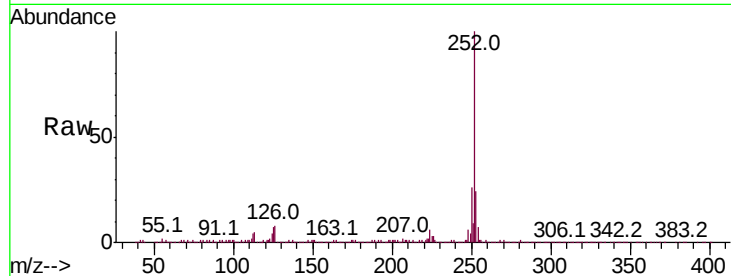
Lab File: BG042023.D

Acq: 7 Aug 2019 9:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:252 Resp: 1257213

Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.4	27.6
125	7.4	5.8	8.8



#88

Benzo(k)fluoranthene

Concen: 34.713 ng/ul

RT: 23.96 min Scan# 3552

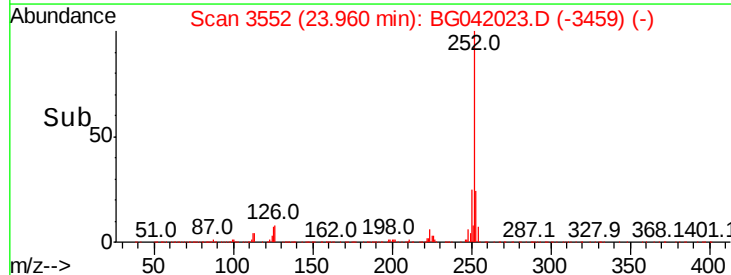
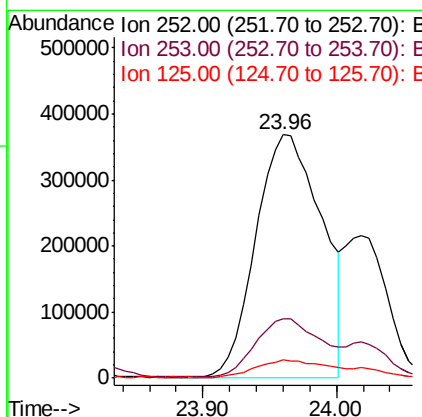
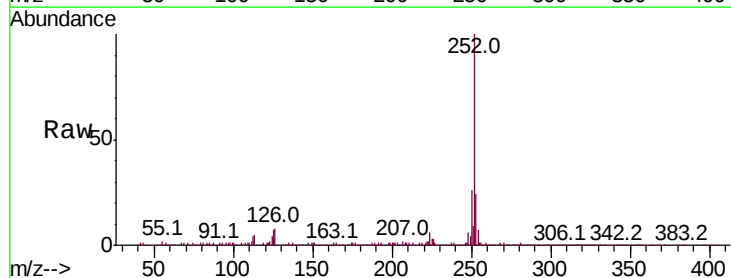
Delta R.T. -0.06 min

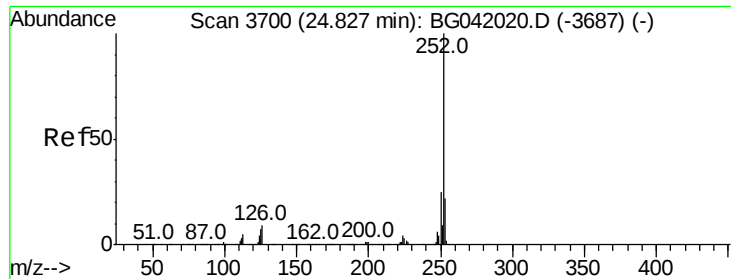
Lab File: BG042023.D

Acq: 7 Aug 2019 9:51

Tgt Ion:252 Resp: 1257213

Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.3	27.5
125	7.4	5.5	8.3

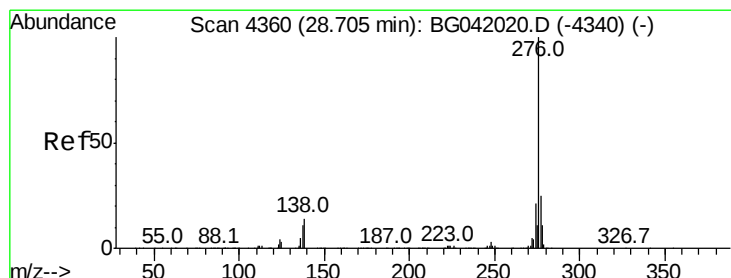
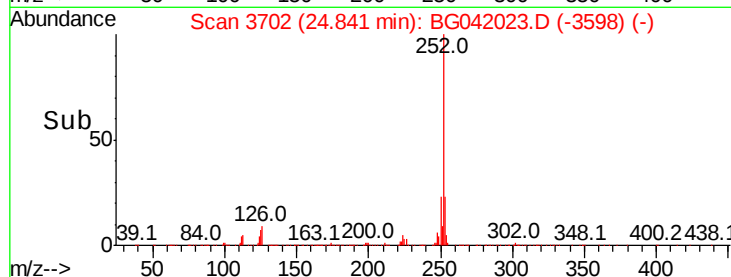
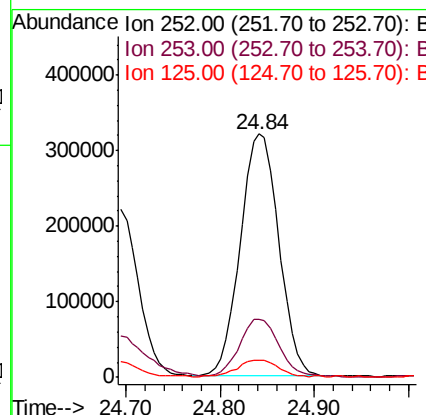
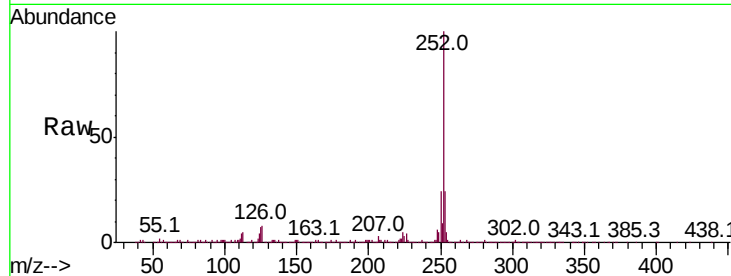




#90
Benzo(a)pyrene
Concen: 25.396 ng/ul
RT: 24.84 min Scan# 3702
Delta R.T. 0.01 min
Lab File: BG042023.D
Acq: 7 Aug 2019 9:51

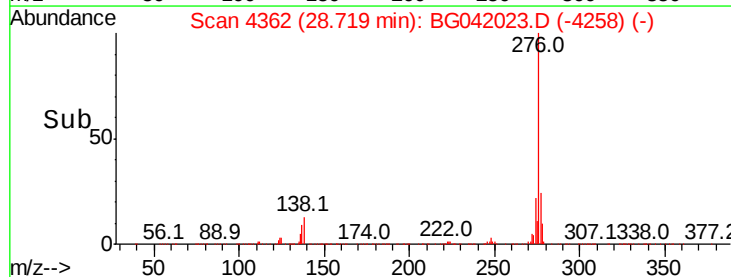
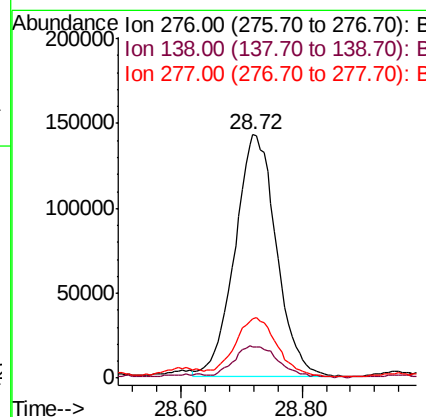
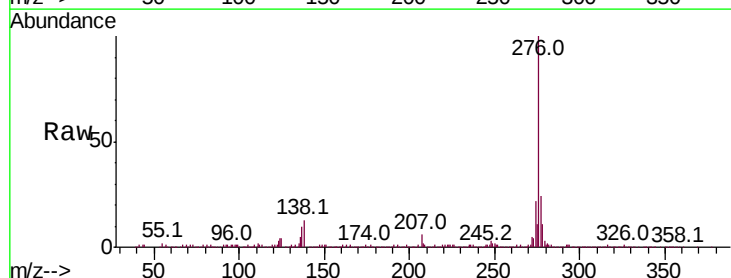
Instrument :
BNA_G
ClientSampleId :

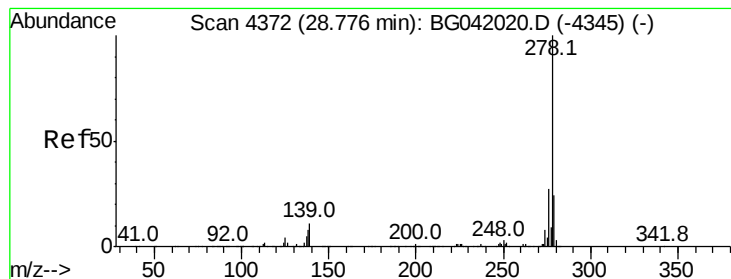
Tot Ion:252 Resp: 911570
Ion Ratio Lower Upper
252 100
253 23.7 18.3 27.5
125 7.2 6.5 9.7



#91
Indeno(1,2,3-cd)pyrene
Concen: 16.173 ng/ul
RT: 28.72 min Scan# 4362
Delta R.T. 0.01 min
Lab File: BG042023.D
Acq: 7 Aug 2019 9:51

Tgt Ion:276 Resp: 677102
Ion Ratio Lower Upper
276 100
138 12.9 12.0 18.0
277 24.4 19.2 28.8



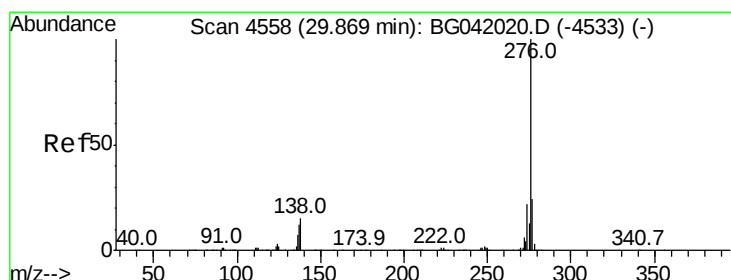
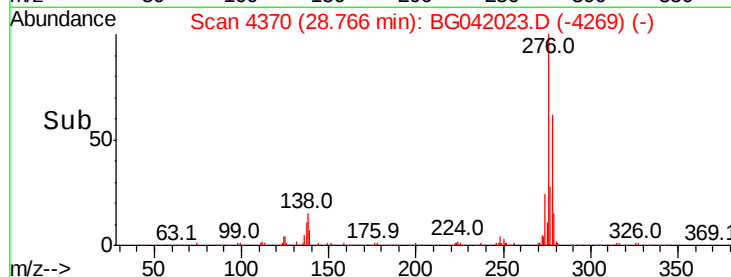
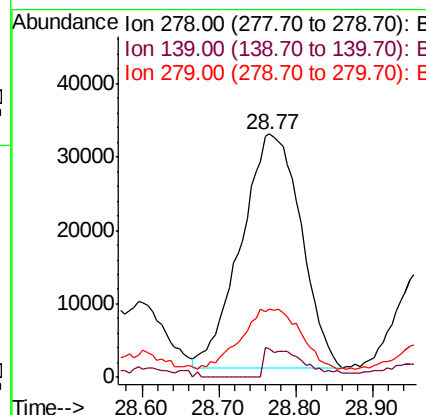
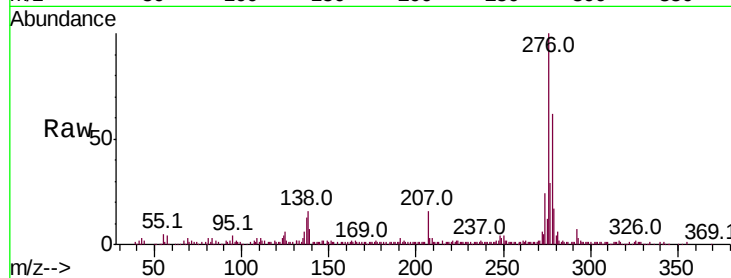


#92

Dibenzo(a,h)anthracene
Concen: 5.042 ng/ul
RT: 28.77 min Scan# 4370
Delta R.T. -0.01 min
Lab File: BG042023.D
Acq: 7 Aug 2019 9:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	11.8	9.4	14.0
279	28.0	19.2	28.8



#93

Benzo(g,h,i)perylene
Concen: 18.260 ng/ul
RT: 29.89 min Scan# 4562
Delta R.T. 0.02 min
Lab File: BG042023.D
Acq: 7 Aug 2019 9:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.1	12.6	18.8
277	24.5	19.2	28.8

