

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
 Data File : BG042210.D
 Acq On : 14 Aug 2019 15:09
 Operator : HP/JU
 Sample : K4304-16
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB5P7

Quant Time: Aug 14 16:49:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 14 10:42:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	100002	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	412101	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.68	164	274961	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	557273	20.00	ng/ul	0.00
77) Chrysene-d12	21.72	240	547773	20.00	ng/ul	0.00
85) Perylene-d12	24.99	264	650838	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	7675	3.36	ng/uL	0.00
5) Phenol-d5	7.18	99	175362	22.34	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	88499	20.16	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	161515	24.07	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	146500	22.23	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	80143	25.84	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	98925	27.47	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	182306	25.07	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	215706	26.73	ng/ul	0.00
43) Dimethylphthalate-d6	14.08	166	555768	26.06	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	642903	26.39	ng/ul	0.00
51) 4-Nitrophenol-d4	14.88	143	73921	20.64	ng/ul	0.00
57) Fluorene-d10	15.68	176	488444	25.74	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	74106	20.73	ng/ul	0.00
70) Anthracene-d10	17.54	188	696421	26.05	ng/ul	0.00
78) Pyrene-d10	19.82	212	812901	26.59	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.77	264	932720	27.43	ng/ul	0.00

Target Compounds

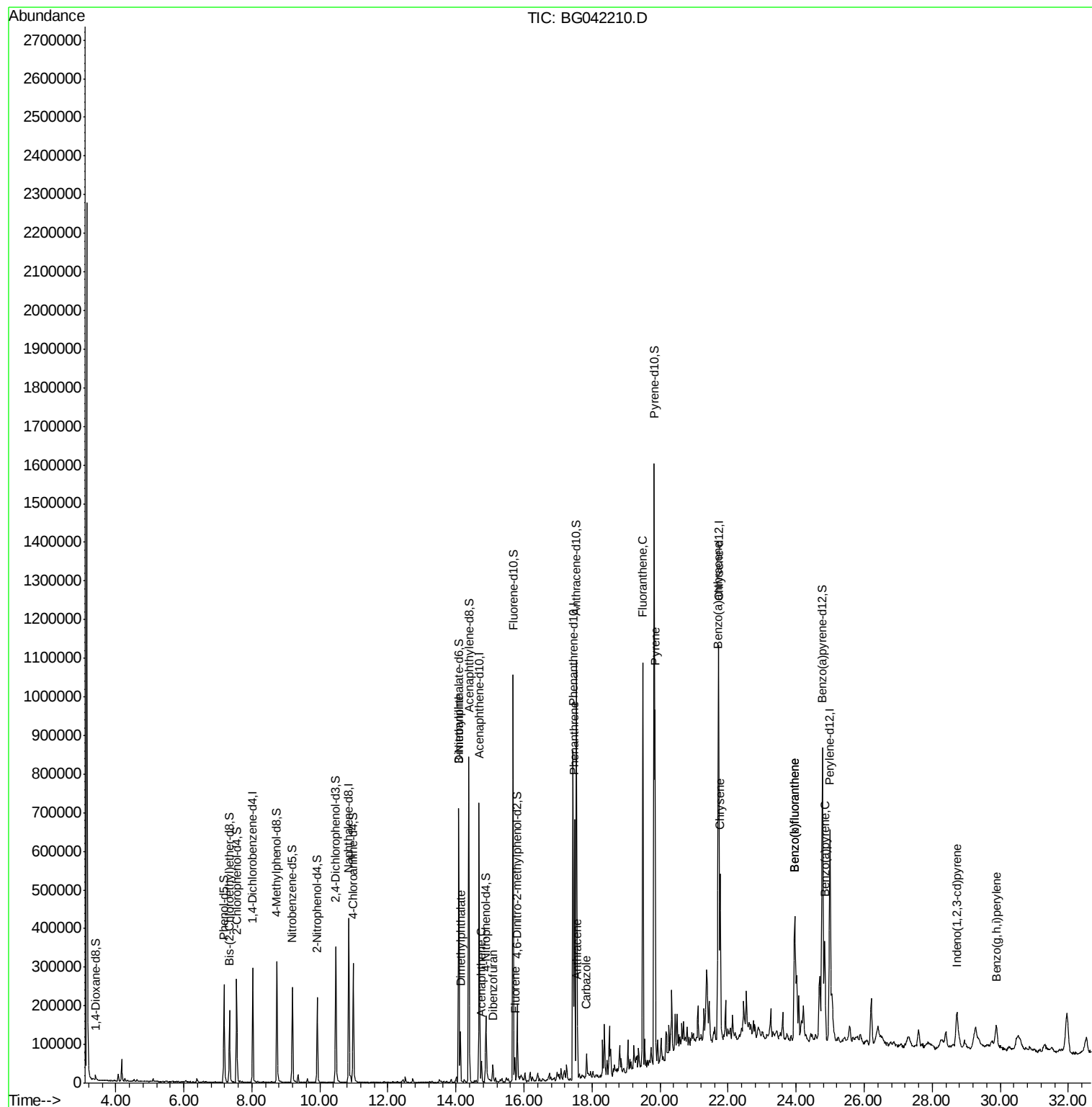
					Ovalue	
44) Dimethylphthalate	14.13	163	96801	4.572	ng/ul	98
48) 3-Nitroaniline	14.08	138	29561	8.048	ng/ul#	62
49) Acenaphthene	14.75	153	26376	1.534	ng/ul	96
53) Dibenzofuran	15.08	168	25699	1.002	ng/ul	96
58) Fluorene	15.74	166	28835	1.395	ng/ul	96
69) Phenanthrene	17.48	178	455997	14.947	ng/ul	99
71) Anthracene	17.57	178	93512	3.022	ng/ul	95
74) Carbazole	17.84	167	43194	1.685	ng/ul	98
76) Fluoranthene	19.49	202	708623	20.103	ng/ul	98
79) Pyrene	19.85	202	588396	15.969	ng/ul	99
82) Benzo(a)anthracene	21.70	228	352170	9.273	ng/ul	98
84) Chrysene	21.77	228	330305	9.318	ng/ul	99
87) Benzo(b)fluoranthene	23.95	252	435366	10.659	ng/ul	100
88) Benzo(k)fluoranthene	23.95	252	435366	11.086	ng/ul	100
90) Benzo(a)pyrene	24.84	252	307638	7.904	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	28.73	276	178667	3.936	ng/ul	99
93) Benzo(g,h,i)perylene	29.87	276	58986	1.556	ng/ul	96

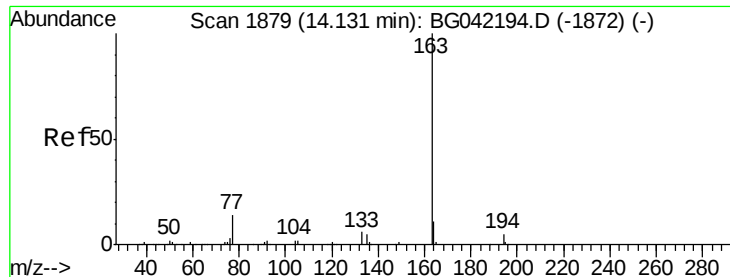
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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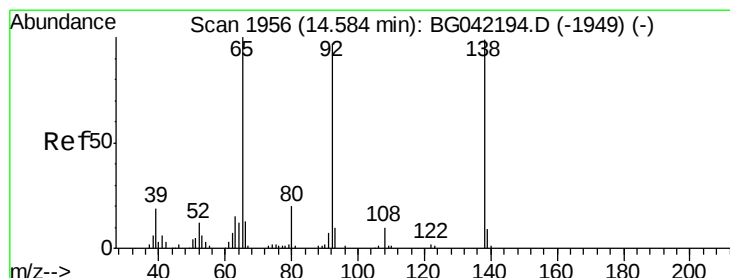
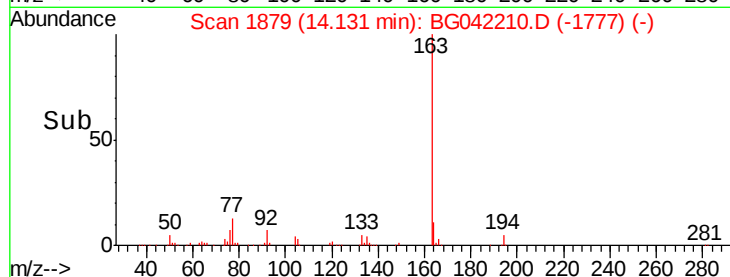
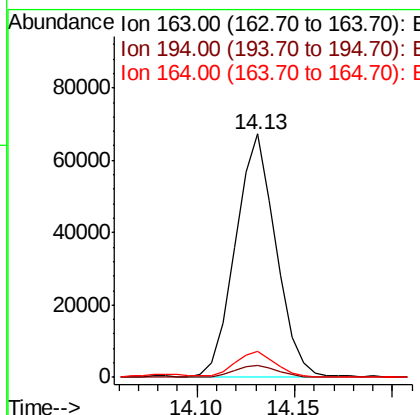
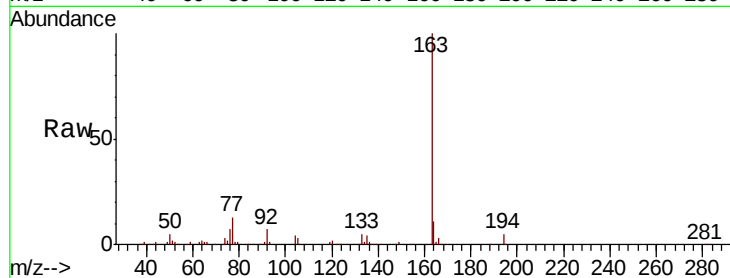




#44
Dimethylphthalate
Concen: 4.572 ng/ul
RT: 14.13 min Scan# 1879
Delta R.T. 0.00 min
Lab File: BG042210.D
Acq: 14 Aug 2019 15:09

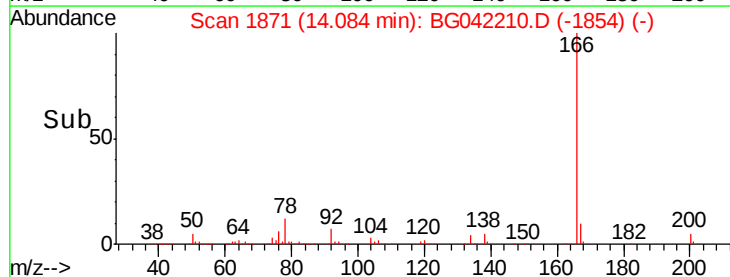
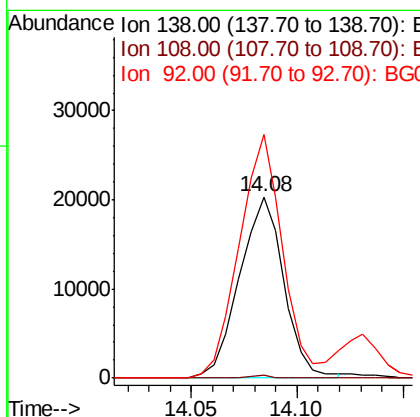
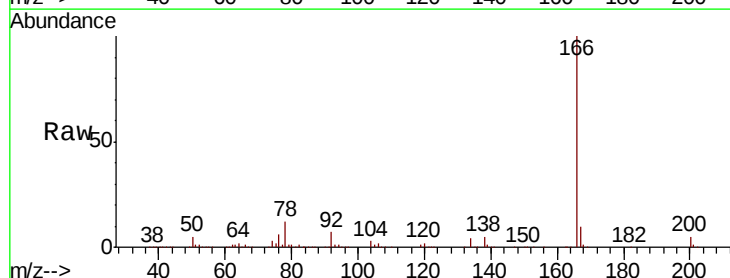
Instrument :
BNA_G
ClientSampleId :
CB5P7

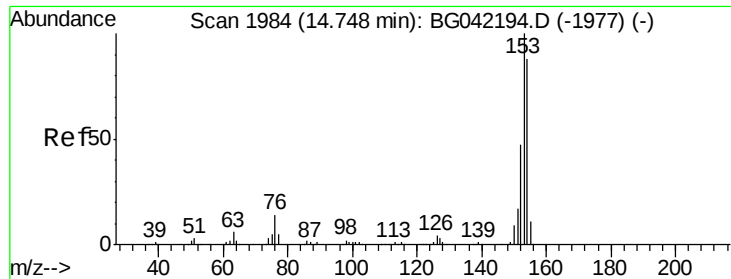
Tot Ion:163 Resp: 96801
Ion Ratio Lower Upper
163 100
194 5.1 4.2 6.2
164 10.8 7.8 11.8



#48
3-Nitroaniline
Concen: 8.048 ng/ul
RT: 14.08 min Scan# 1871
Delta R.T. -0.50 min
Lab File: BG042210.D
Acq: 14 Aug 2019 15:09

Tgt Ion:138 Resp: 29561
Ion Ratio Lower Upper
138 100
108 1.8 7.6 11.4#
92 134.6 76.4 114.6#





#49

Acenaphthene

Concen: 1.534 ng/ul

RT: 14.75 min Scan# 1984

Delta R.T. 0.00 min

Lab File: BG042210.D

Acq: 14 Aug 2019 15:09

Instrument :

BNA_G

ClientSampleId :

CB5P7

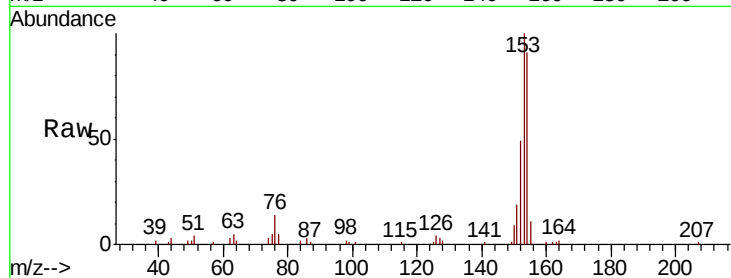
Tot Ion:153 Resp: 26376

Ion Ratio Lower Upper

153 100

152 49.3 37.8 56.8

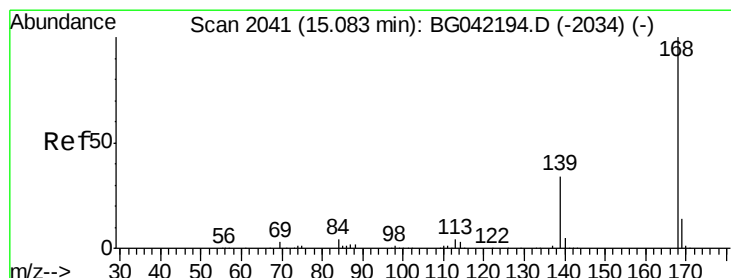
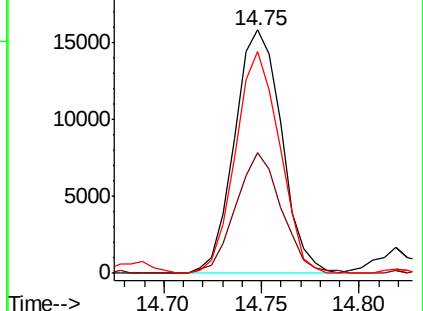
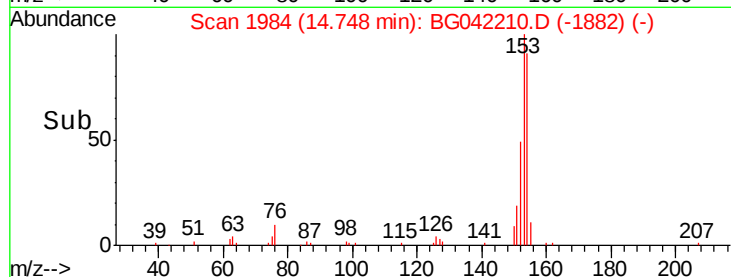
154 91.0 69.4 104.2



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



#53

Dibenzofuran

Concen: 1.002 ng/ul

RT: 15.08 min Scan# 2041

Delta R.T. 0.00 min

Lab File: BG042210.D

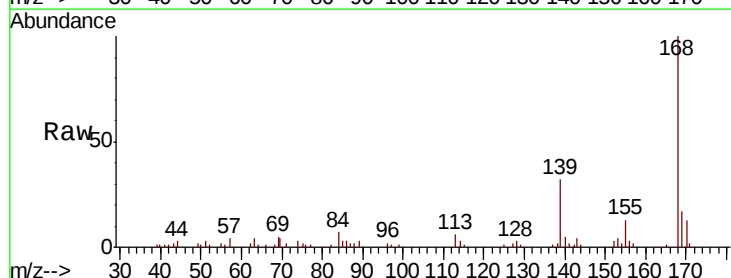
Acq: 14 Aug 2019 15:09

Tgt Ion:168 Resp: 25699

Ion Ratio Lower Upper

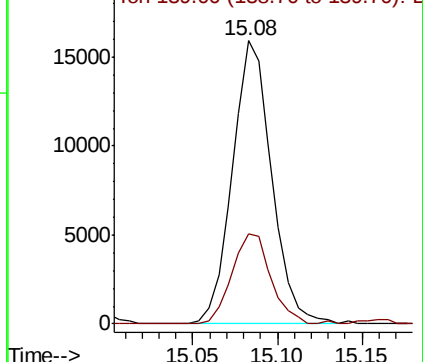
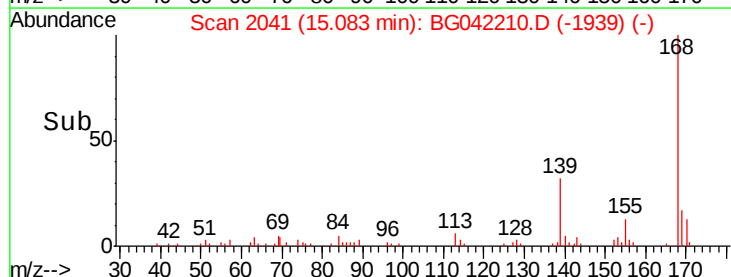
168 100

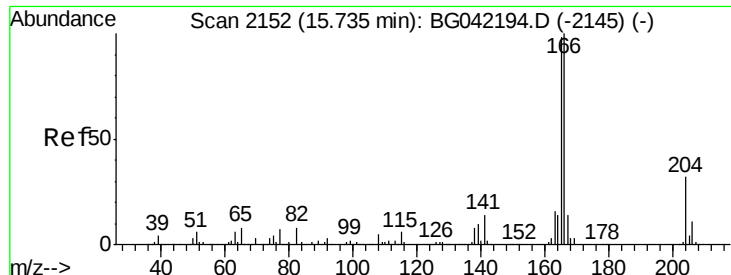
139 31.9 27.3 40.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 1.395 ng/ul

RT: 15.74 min Scan# 2152

Delta R.T. 0.00 min

Lab File: BG042210.D

Acq: 14 Aug 2019 15:09

Instrument :

BNA_G

ClientSampleId :

CB5P7

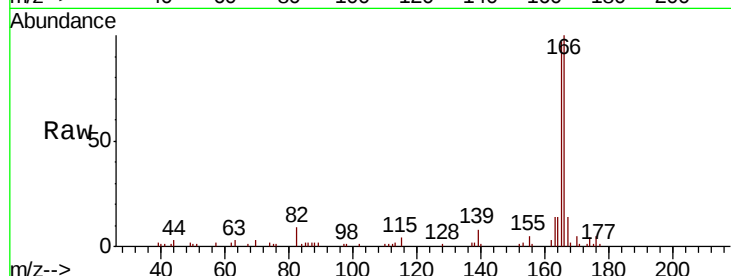
Tot Ion:166 Resp: 28835

Ion Ratio Lower Upper

166 100

165 97.1 81.1 121.7

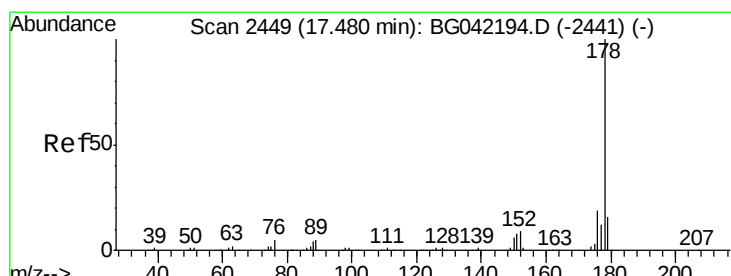
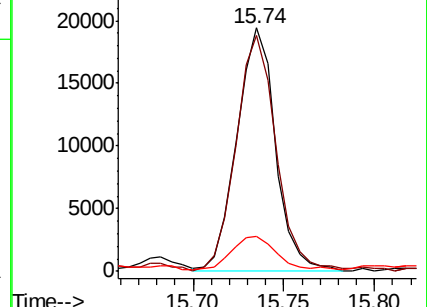
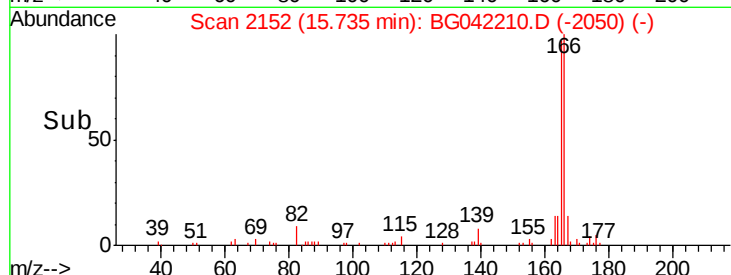
167 14.4 11.0 16.4



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: 14.947 ng/ul

RT: 17.48 min Scan# 2449

Delta R.T. 0.00 min

Lab File: BG042210.D

Acq: 14 Aug 2019 15:09

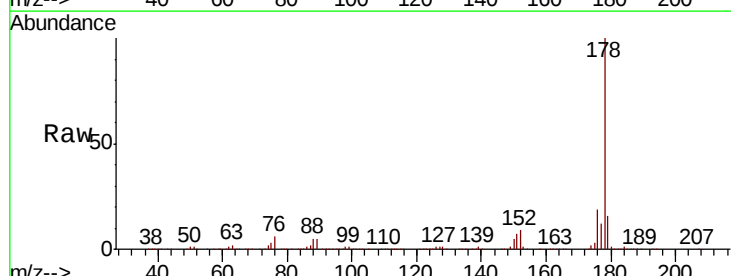
Tgt Ion:178 Resp: 455997

Ion Ratio Lower Upper

178 100

179 16.4 12.8 19.2

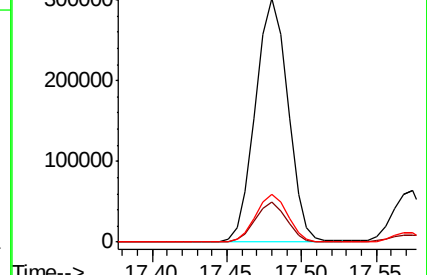
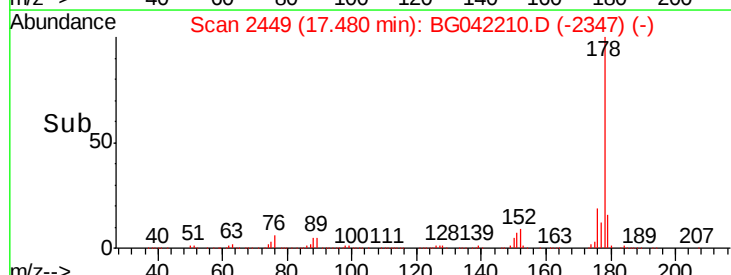
176 19.5 15.4 23.2

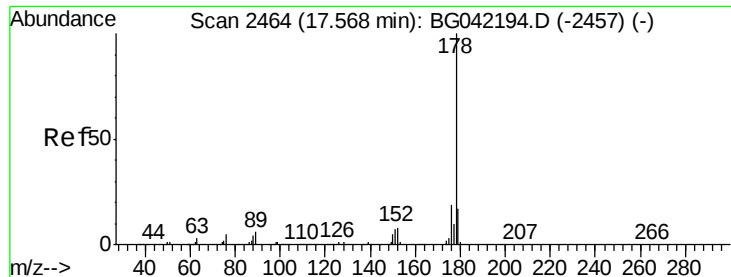


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 3.022 ng/ul

RT: 17.57 min Scan# 2465

Delta R.T. 0.00 min

Lab File: BG042210.D

Acq: 14 Aug 2019 15:09

Instrument :

BNA_G

ClientSampleId :

CB5P7

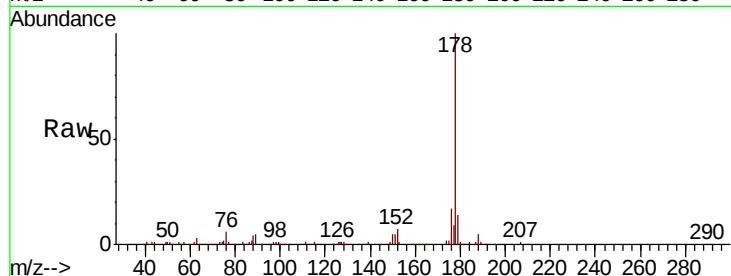
Tot Ion:178 Resp: 93512

Ion Ratio Lower Upper

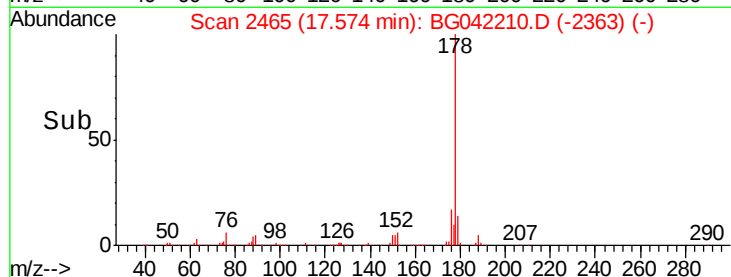
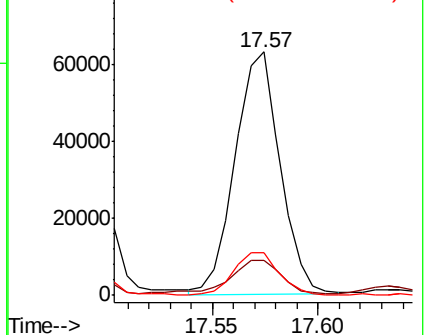
178 100

179 14.3 13.4 20.0

176 17.4 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: 1.685 ng/ul

RT: 17.84 min Scan# 2510

Delta R.T. 0.00 min

Lab File: BG042210.D

Acq: 14 Aug 2019 15:09

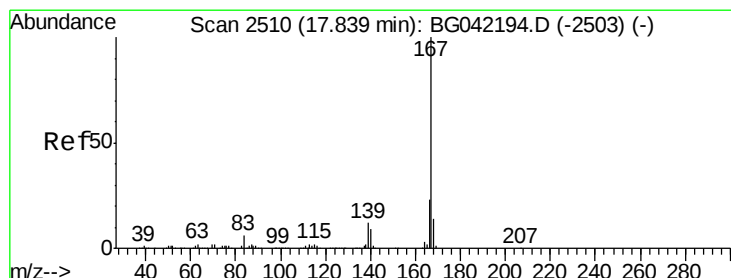
Tgt Ion:167 Resp: 43194

Ion Ratio Lower Upper

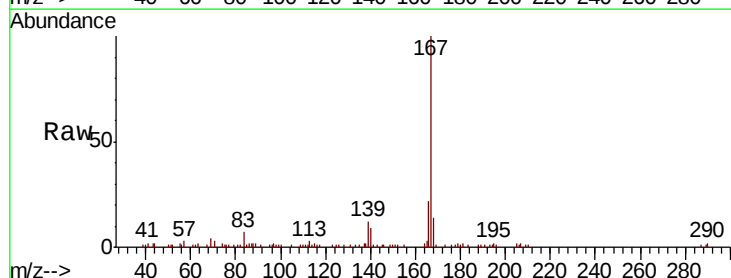
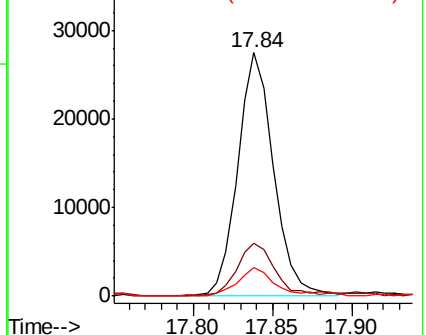
167 100

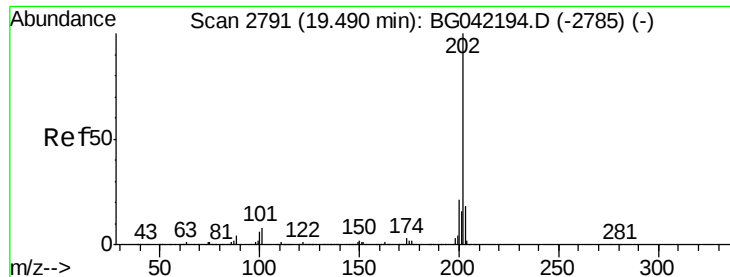
166 21.5 18.2 27.4

139 11.9 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: 20.103 ng/ul

RT: 19.49 min Scan# 2791

Delta R.T. 0.00 min

Lab File: BG042210.D

Acq: 14 Aug 2019 15:09

Instrument :

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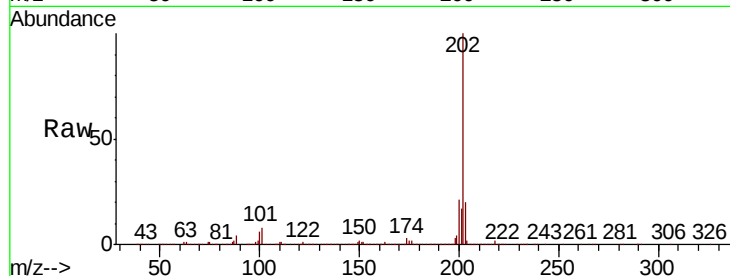
Tot Ion:202 Resp: 708623

Ion Ratio Lower Upper

202 100

101 7.7 6.7 10.1

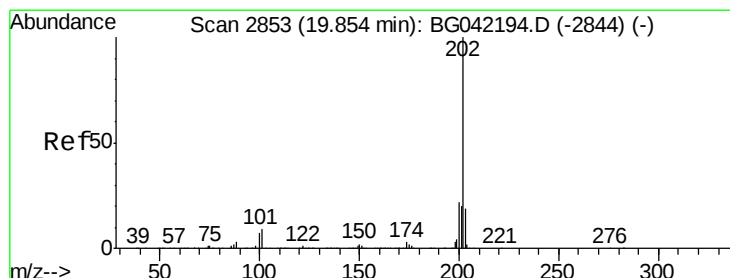
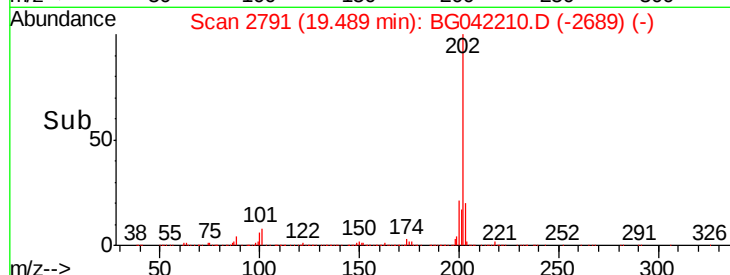
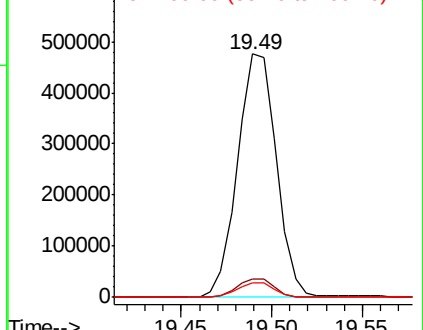
100 6.2 5.3 7.9



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

Pyrene

Concen: 15.969 ng/ul

RT: 19.85 min Scan# 2853

Delta R.T. 0.00 min

Lab File: BG042210.D

Acq: 14 Aug 2019 15:09

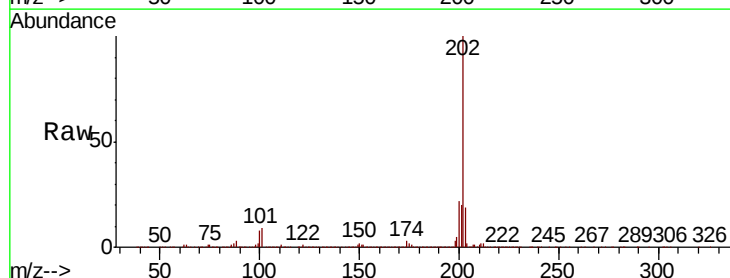
Tgt Ion:202 Resp: 588396

Ion Ratio Lower Upper

202 100

101 9.1 7.6 11.4

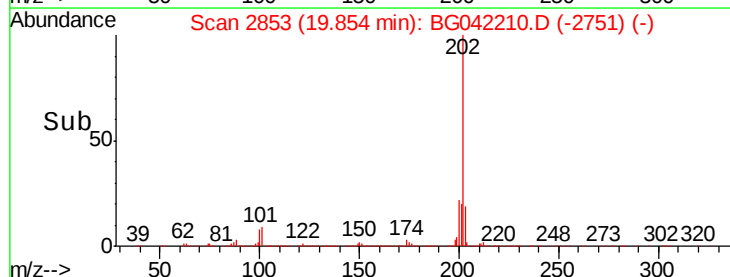
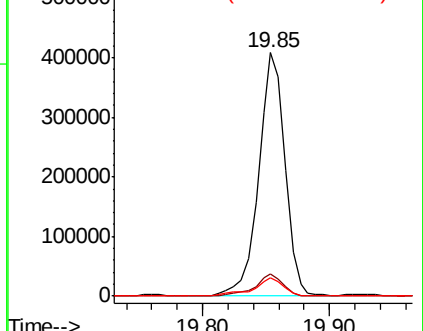
100 7.6 6.5 9.7

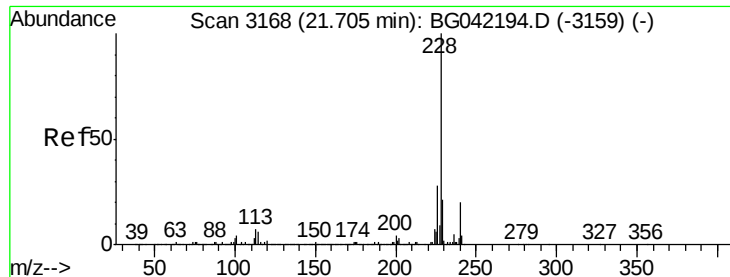


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 9.273 ng/ul

RT: 21.70 min Scan# 3168

Delta R.T. 0.00 min

Lab File: BG042210.D

Acq: 14 Aug 2019 15:09

Instrument :

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ClientSampled :

CB5P7

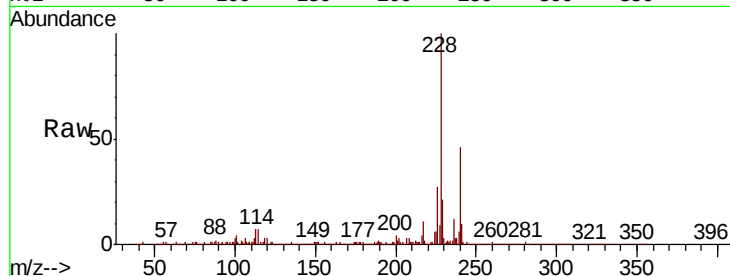
Tot Ion:228 Resp: 352170

Ion Ratio Lower Upper

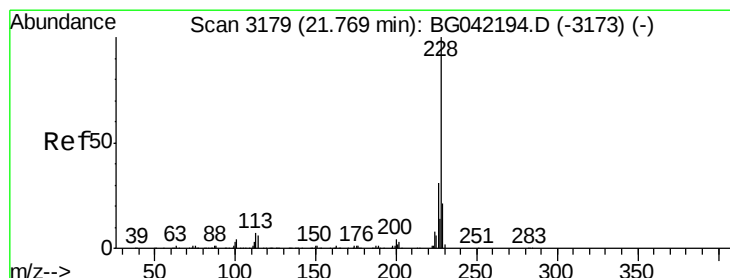
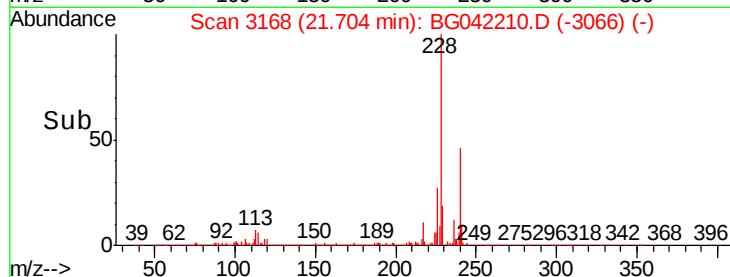
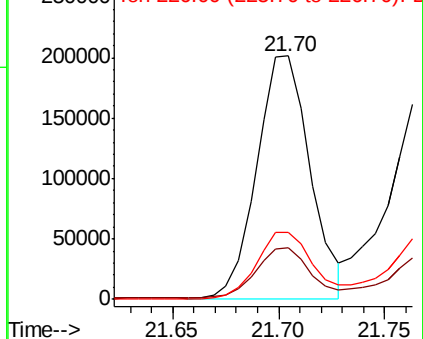
228 100

229 20.9 17.0 25.6

226 27.3 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



#84

Chrysene

Concen: 9.318 ng/ul

RT: 21.77 min Scan# 3179

Delta R.T. 0.00 min

Lab File: BG042210.D

Acq: 14 Aug 2019 15:09

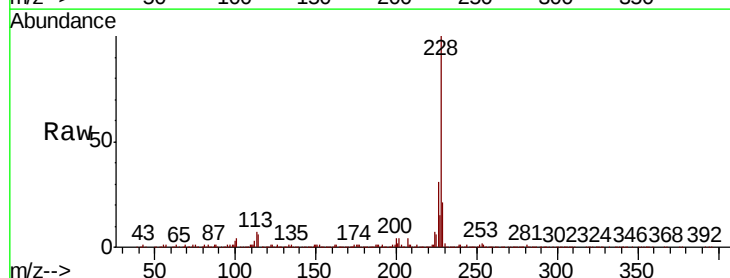
Tgt Ion:228 Resp: 330305

Ion Ratio Lower Upper

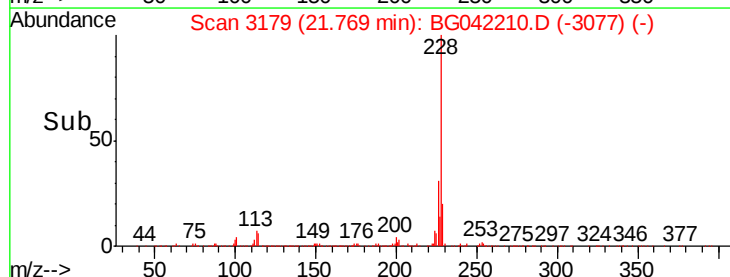
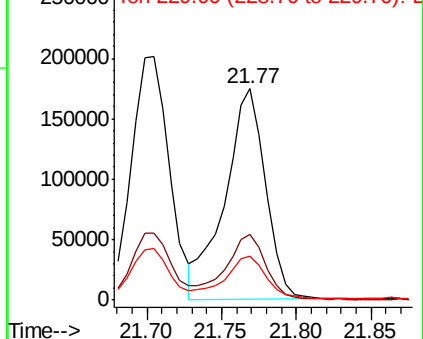
228 100

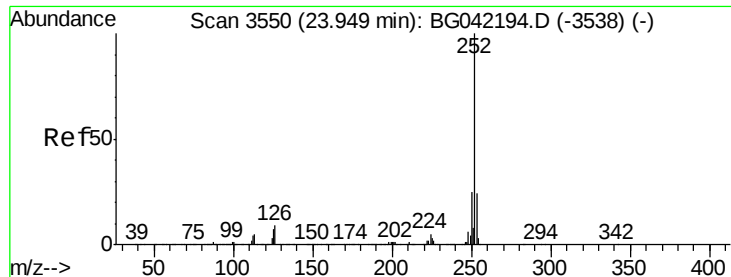
226 31.2 25.7 38.5

229 20.8 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: 10.659 ng/ul

RT: 23.95 min Scan# 3551

Delta R.T. 0.01 min

Lab File: BG042210.D

Acq: 14 Aug 2019 15:09

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CB5P7

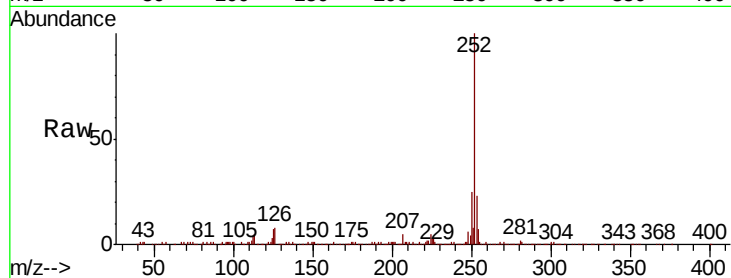
Tot Ion:252 Resp: 435366

Ion Ratio Lower Upper

252 100

253 23.1 18.4 27.6

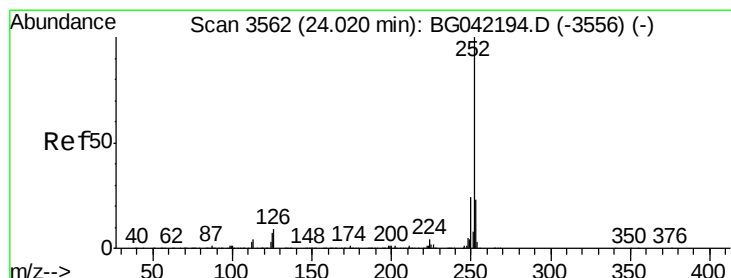
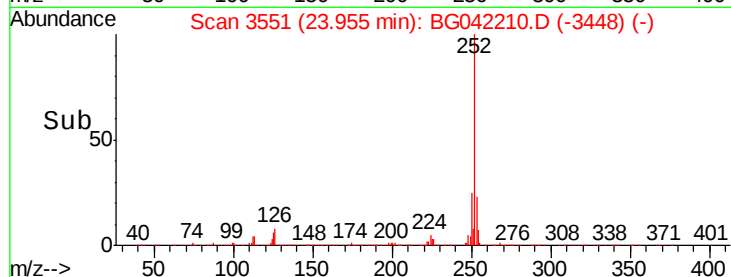
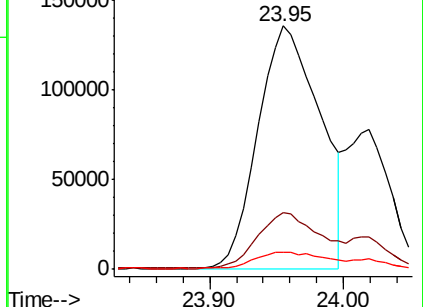
125 6.9 5.8 8.8



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



#88

Benzo(k)fluoranthene

Concen: 11.086 ng/ul

RT: 23.95 min Scan# 3551

Delta R.T. -0.06 min

Lab File: BG042210.D

Acq: 14 Aug 2019 15:09

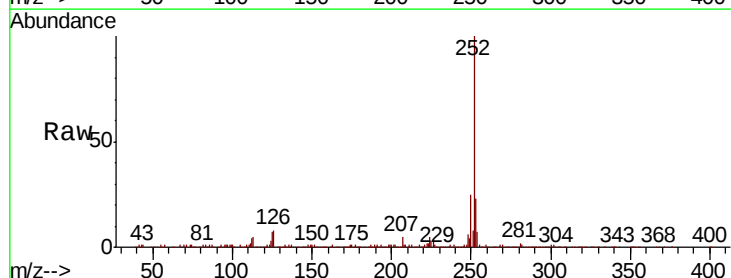
Tgt Ion:252 Resp: 435366

Ion Ratio Lower Upper

252 100

253 23.1 18.3 27.5

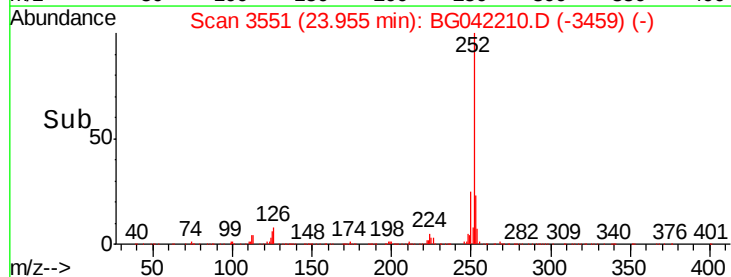
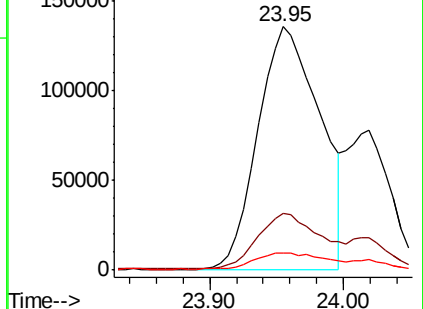
125 6.9 5.5 8.3

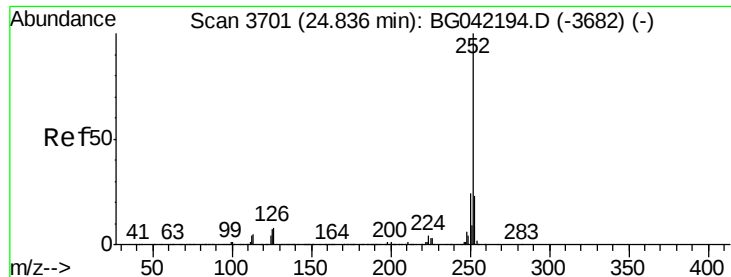


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 7.904 ng/ul

RT: 24.84 min Scan# 3701

Delta R.T. 0.00 min

Lab File: BG042210.D

Acq: 14 Aug 2019 15:09

Instrument :

BNA_G

ClientSampled :

CB5P7

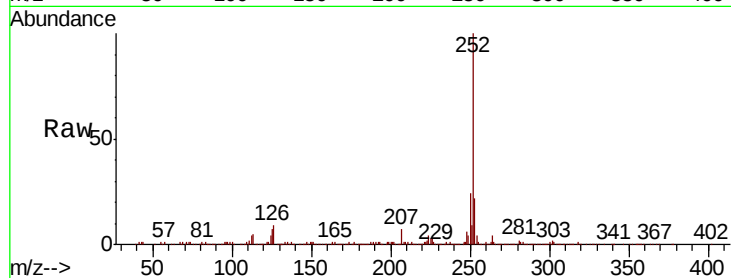
Tot Ion:252 Resp: 307638

Ion Ratio Lower Upper

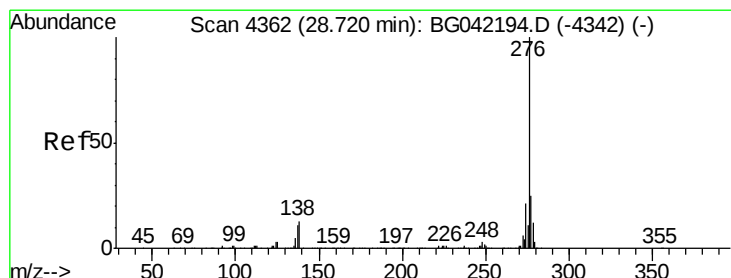
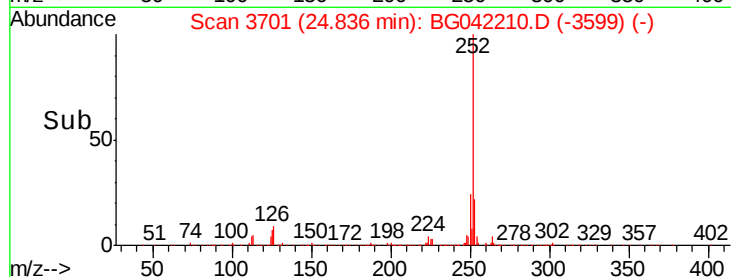
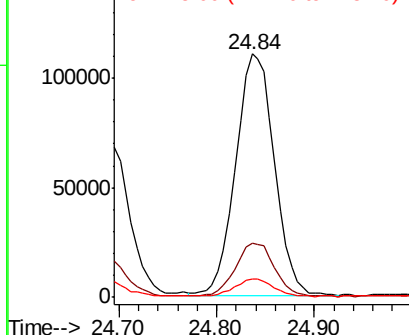
252 100

253 22.3 18.3 27.5

125 7.3 6.5 9.7



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



#91

Indeno(1,2,3-cd)pyrene

Concen: 3.936 ng/ul

RT: 28.73 min Scan# 4363

Delta R.T. 0.01 min

Lab File: BG042210.D

Acq: 14 Aug 2019 15:09

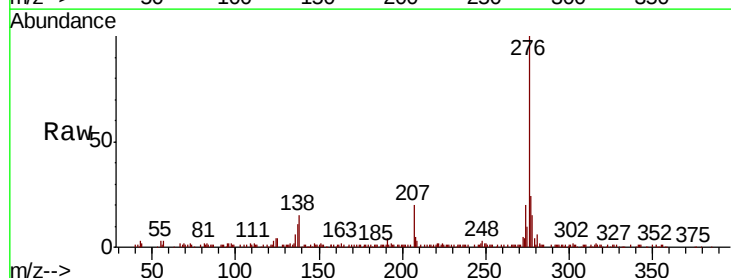
Tgt Ion:276 Resp: 178667

Ion Ratio Lower Upper

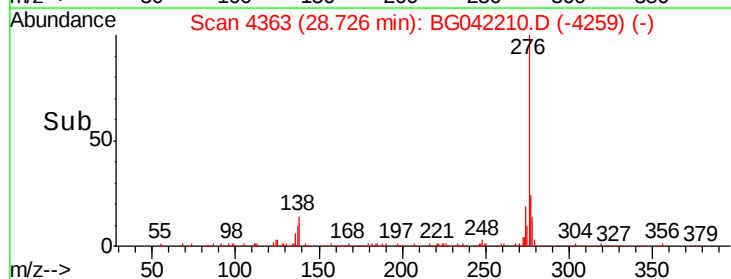
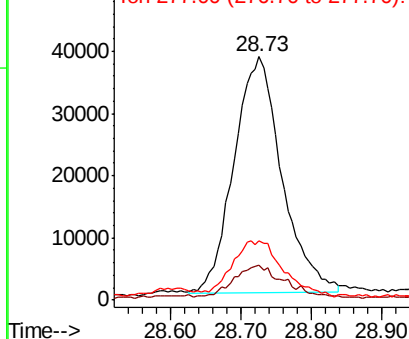
276 100

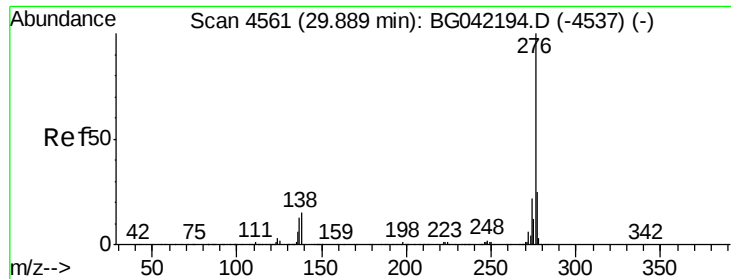
138 14.6 12.0 18.0

277 24.3 19.2 28.8



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





#93

Benzo(a,h,i)perylene

Concen: 1.556 ng/ul

RT: 29.87 min Scan# 4558

Delta R.T. -0.01 min

Lab File: BG042210.D

Acq: 14 Aug 2019 15:09

Instrument :

BNA_G

ClientSampleId :

CB5P7

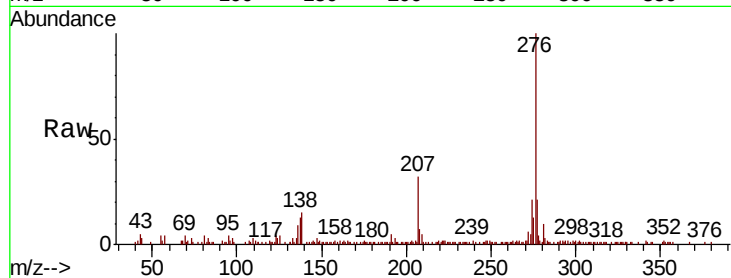
Tot Ion:276 Resp: 58986

Ion Ratio Lower Upper

276 100

138 15.2 12.6 18.8

277 21.3 19.2 28.8



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

