

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101420\
 Data File : BG046900.D
 Acq On : 14 Oct 2020 19:48
 Operator : CG/JU
 Sample : L4360-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 15 00:38:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG092920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 15 00:34:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	75481	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	296558	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	209040	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	482606	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	528078	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	532560	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.52	96	8585	5.58	ng/uL	0.00
5) Phenol-d5	7.25	99	42151	6.53	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	95809	24.31	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	106068	22.49	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	75918	15.03	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	66252	29.84	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	75243	33.36	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	151303	28.51	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	147966	23.46	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	477236	29.88	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	545301	28.75	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	15966	5.86	ng/ul	0.00
58) Fluorene-d10	15.71	176	409113	27.78	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	52959	21.96	ng/ul	0.00
71) Anthracene-d10	17.56	188	629460	28.43	ng/ul	0.00
79) Pyrene-d10	19.84	212	783280	28.59	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	826739	28.80	ng/ul	0.00

Target Compounds

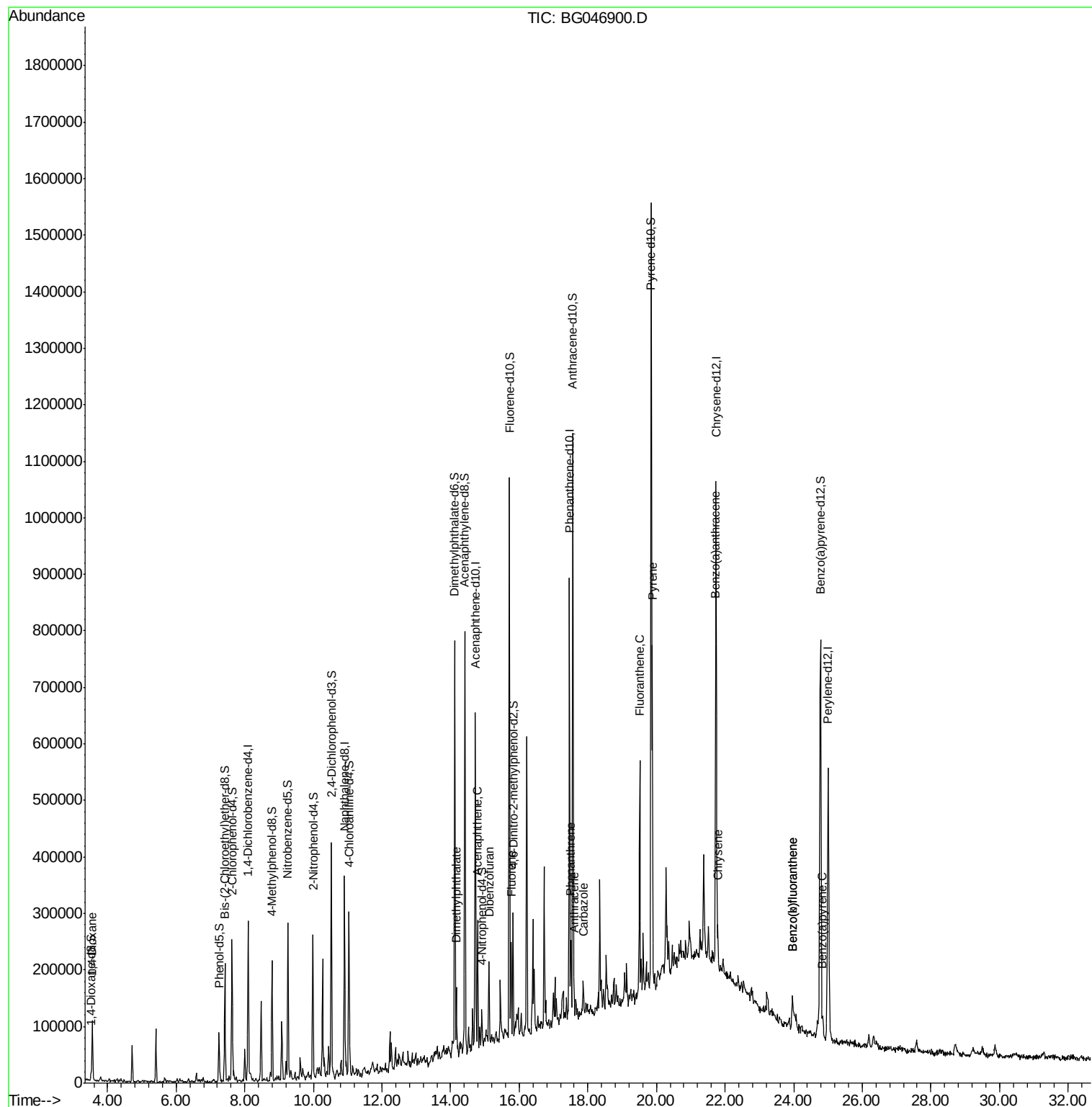
					Ovalue
2) 1,4-Dioxane	3.56	88	58408	29.630	ng/uL# 92
45) Dimethylphthalate	14.17	163	77434	4.790	ng/ul 100
50) Acenaphthene	14.78	153	95279	7.165	ng/ul 94
54) Dibenzofuran	15.11	168	90857	4.650	ng/ul 95
59) Fluorene	15.76	166	72470	4.568	ng/ul 98
70) Phenanthrene	17.50	178	85192	3.229	ng/ul 95
72) Anthracene	17.60	178	45744	1.711	ng/ul 94
75) Carbazole	17.86	167	38644	1.814	ng/ul# 91
77) Fluoranthene	19.51	202	274383	8.758	ng/ul 99
80) Pyrene	19.87	202	197121	5.807	ng/ul 98
83) Benzo(a)anthracene	21.72	228	68998	1.997	ng/ul 95
85) Chrysene	21.79	228	62048	1.851	ng/ul 95
88) Benzo(b)fluoranthene	23.96	252	69793	1.987	ng/ul 96
89) Benzo(k)fluoranthene	23.96	252	69878	2.041	ng/ul 97
91) Benzo(a)pyrene	24.84	252	46801	1.458	ng/ul 98

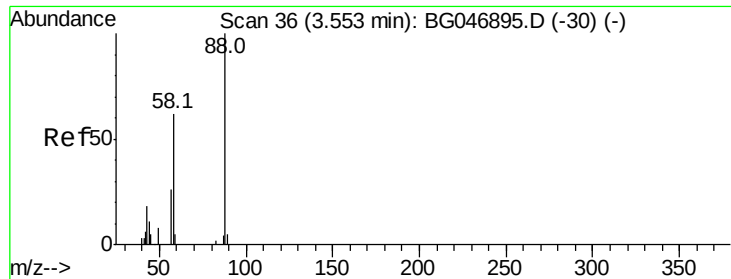
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 15 00:34:52 2020
Response via : Initial Calibration





#2

1,4-Dioxane

Concen: 29.630 ng/uL

RT: 3.56 min Scan# 37

Delta R.T. 0.00 min

Lab File: BG046900.D

Acq: 14 Oct 2020 19:48

Instrument :

BNA_G

ClientSampleId :

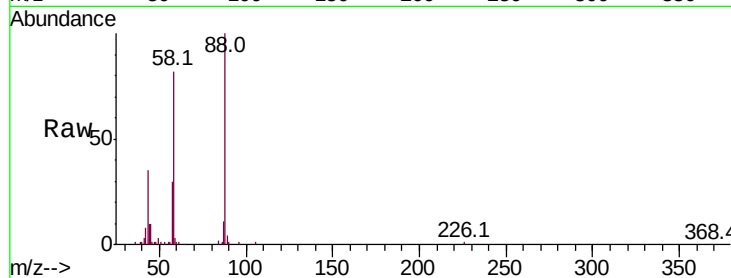
Tot Ion: 88 Resp: 58408

Ion Ratio Lower Upper

88 100

43 34.9 22.3 33.5#

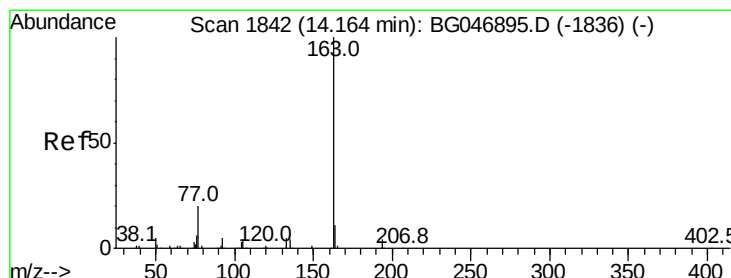
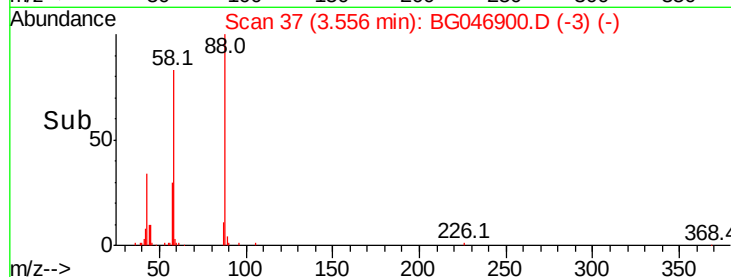
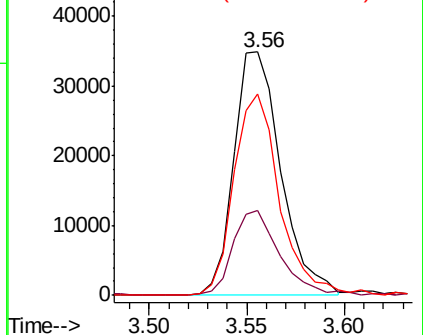
58 82.5 62.2 93.2



Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 43.00 (42.70 to 43.70): BGC

Ion 58.00 (57.70 to 58.70): BGC



#45

Dimethylphthalate

Concen: 4.790 ng/uL

RT: 14.17 min Scan# 1843

Delta R.T. 0.00 min

Lab File: BG046900.D

Acq: 14 Oct 2020 19:48

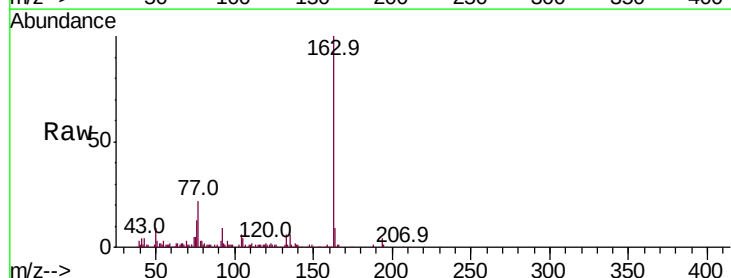
Tgt Ion:163 Resp: 77434

Ion Ratio Lower Upper

163 100

194 4.2 3.6 5.4

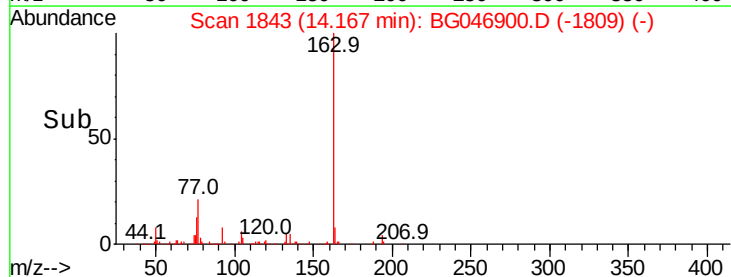
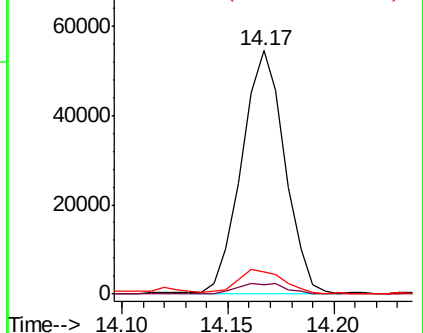
164 9.2 7.4 11.0

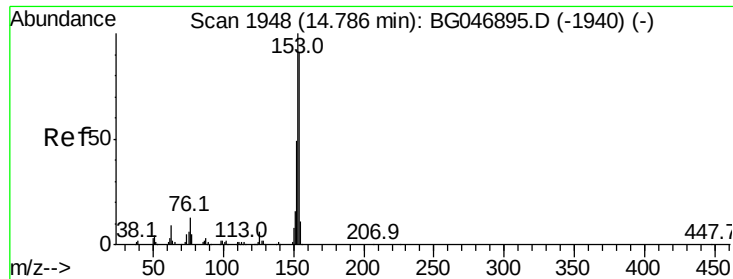


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

Acenaphthene

Concen: 7.165 ng/ul

RT: 14.78 min Scan# 1948

Delta R.T. 0.00 min

Lab File: BG046900.D

Acq: 14 Oct 2020 19:48

Instrument :

BNA_G

ClientSampleId :

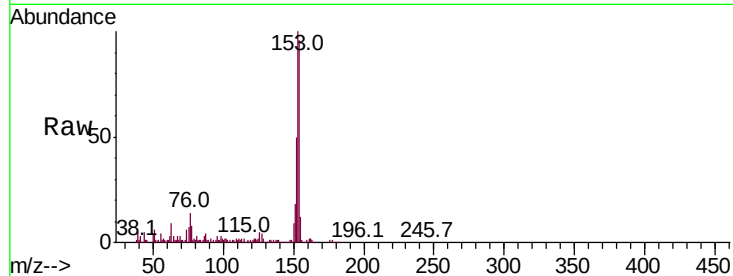
Tot Ion:153 Resp: 95279

Ion Ratio Lower Upper

153 100

152 50.5 37.2 55.8

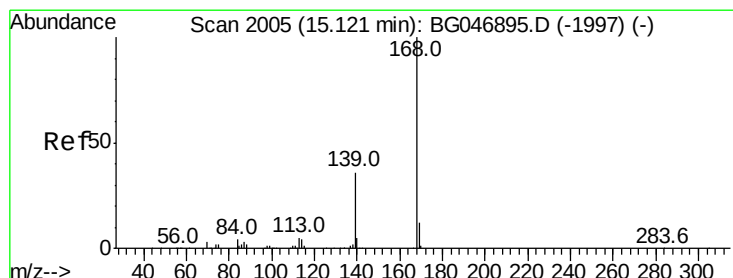
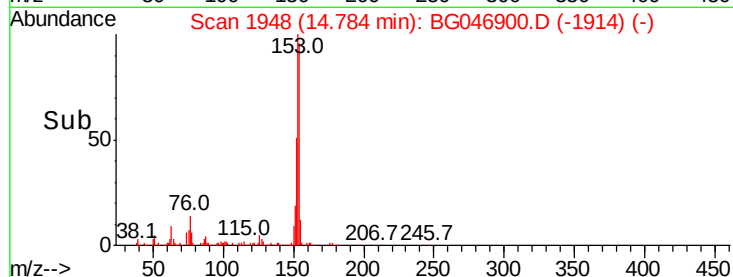
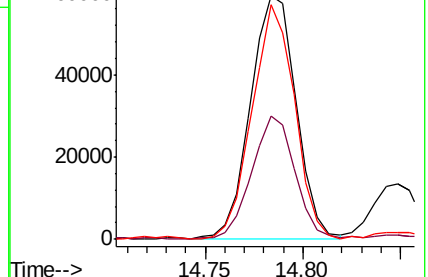
154 96.3 72.9 109.3



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



#54

Dibenzofuran

Concen: 4.650 ng/ul

RT: 15.11 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BG046900.D

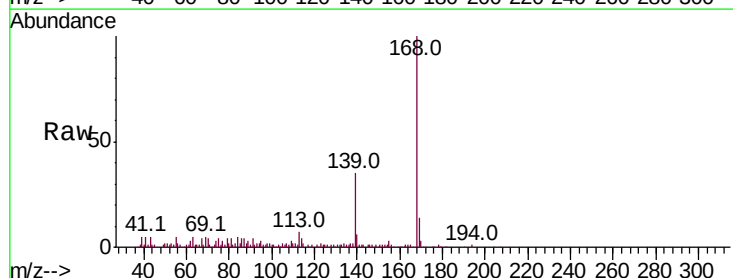
Acq: 14 Oct 2020 19:48

Tgt Ion:168 Resp: 90857

Ion Ratio Lower Upper

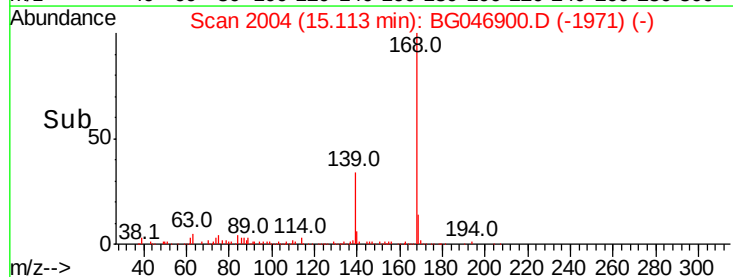
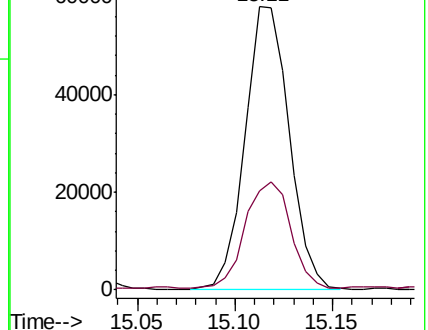
168 100

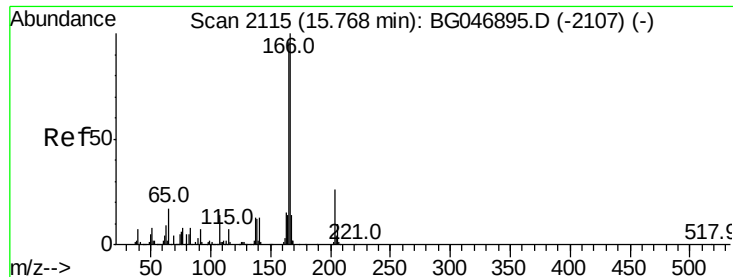
139 34.9 30.3 45.5



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 4.568 ng/ul

RT: 15.76 min Scan# 2115

Delta R.T. 0.00 min

Lab File: BG046900.D

Acq: 14 Oct 2020 19:48

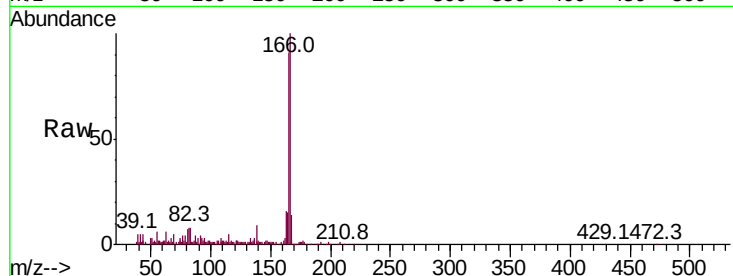
Instrument :

BNA_G

ClientSampleId :

Tot Ion:166 Resp: 72470

Ion	Ratio	Lower	Upper
166	100		
165	90.9	74.2	111.2
167	13.7	9.8	14.8

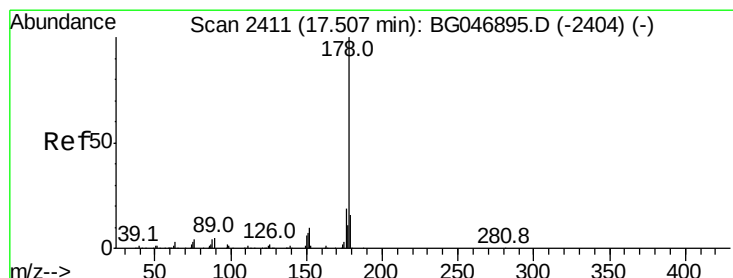
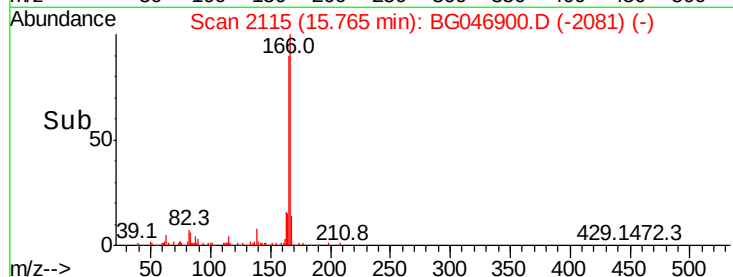
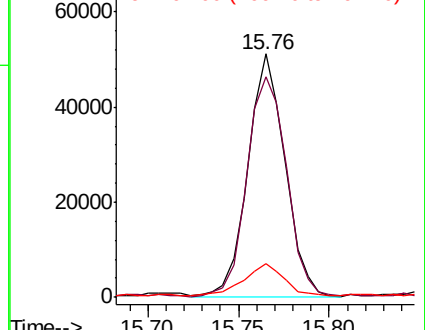


Abundance

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



#70

Phenanthrene

Concen: 3.229 ng/ul

RT: 17.50 min Scan# 2411

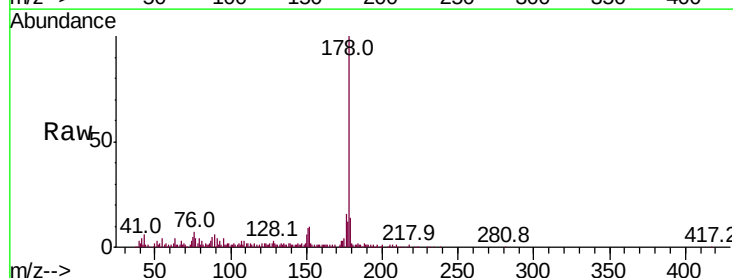
Delta R.T. -0.00 min

Lab File: BG046900.D

Acq: 14 Oct 2020 19:48

Tgt Ion:178 Resp: 85192

Ion	Ratio	Lower	Upper
178	100		
179	14.1	12.6	18.8
176	16.3	15.4	23.2

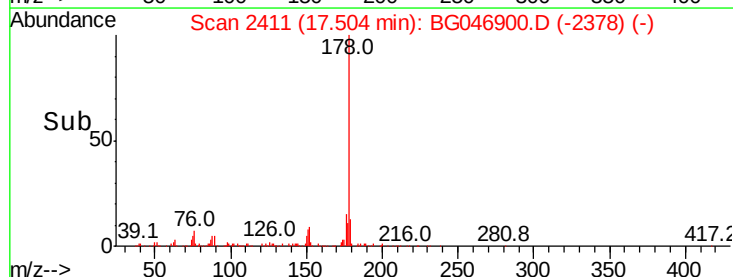
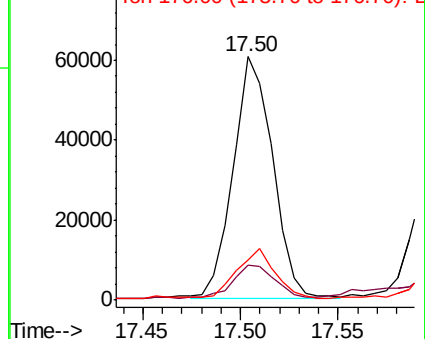


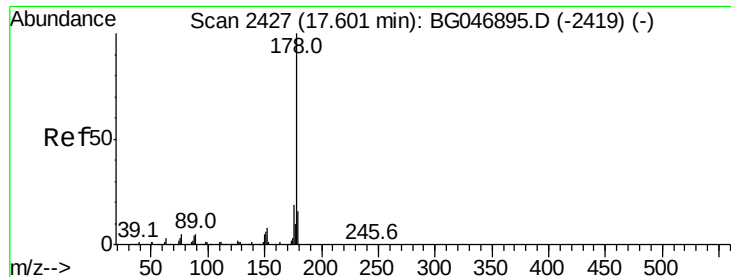
Abundance

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





#72

Anthracene

Concen: 1.711 ng/ul

RT: 17.60 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BG046900.D

Acq: 14 Oct 2020 19:48

Instrument :

BNA_G

ClientSampled :

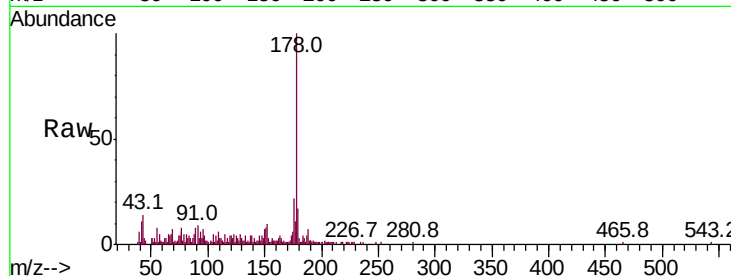
Tot Ion:178 Resp: 45744

Ion Ratio Lower Upper

178 100

179 17.4 11.9 17.9

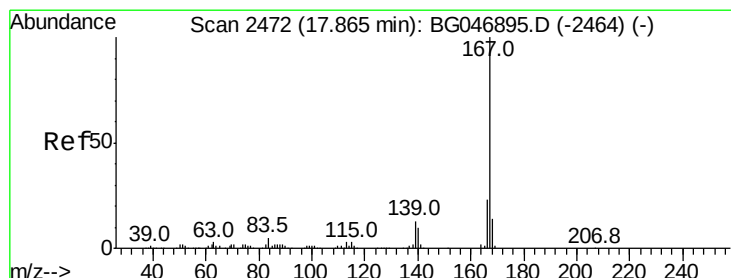
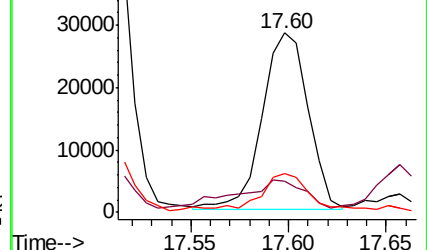
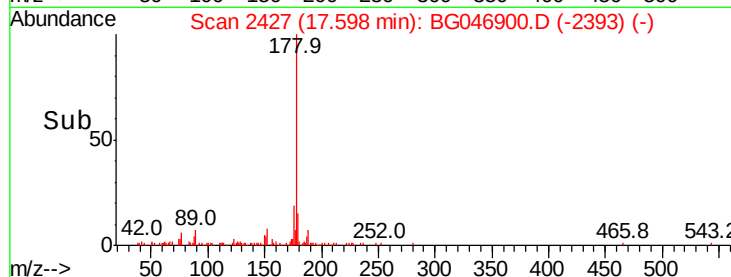
176 21.7 15.2 22.8



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



#75

Carbazole

Concen: 1.814 ng/ul

RT: 17.86 min Scan# 2472

Delta R.T. 0.00 min

Lab File: BG046900.D

Acq: 14 Oct 2020 19:48

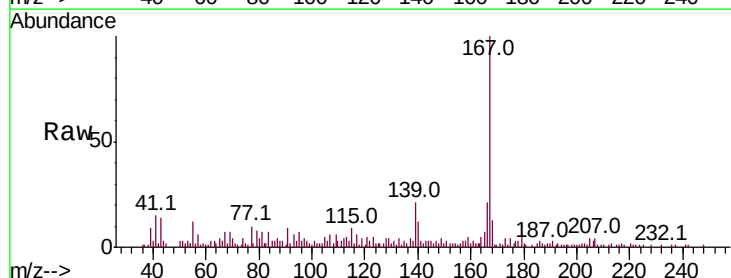
Tgt Ion:167 Resp: 38644

Ion Ratio Lower Upper

167 100

166 21.4 17.5 26.3

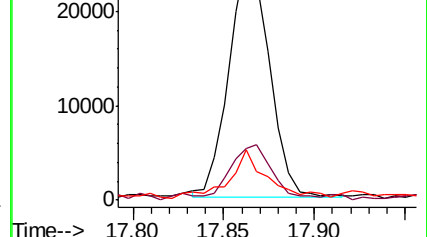
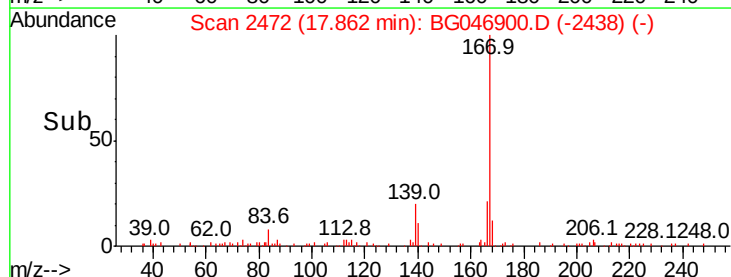
139 20.9 9.8 14.6#

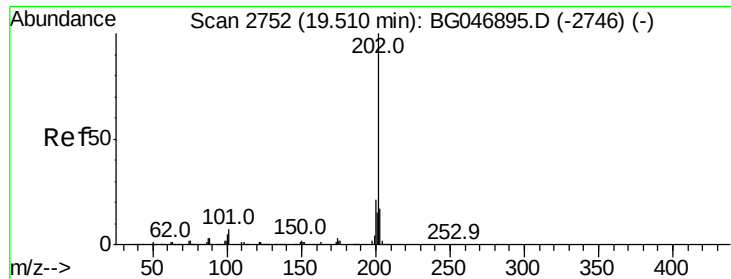


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

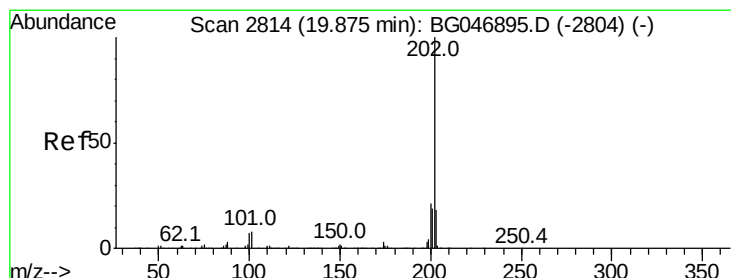
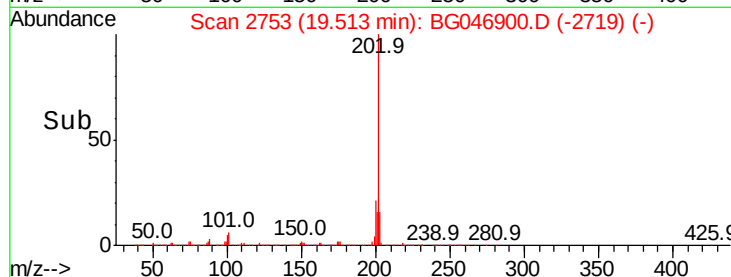
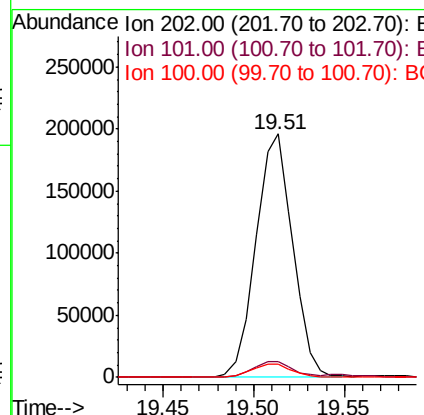
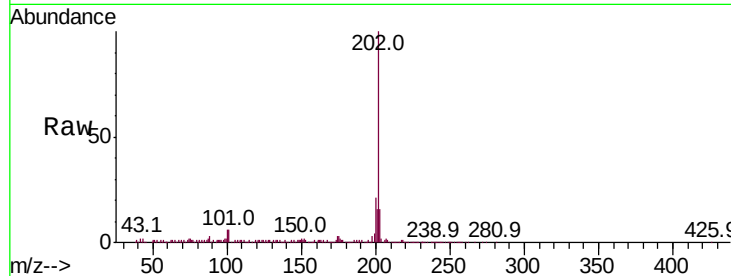




#77
 Fluoranthene
 Concen: 8.758 ng/ul
 RT: 19.51 min Scan# 2753
 Delta R.T. 0.00 min
 Lab File: BG046900.D
 Acq: 14 Oct 2020 19:48

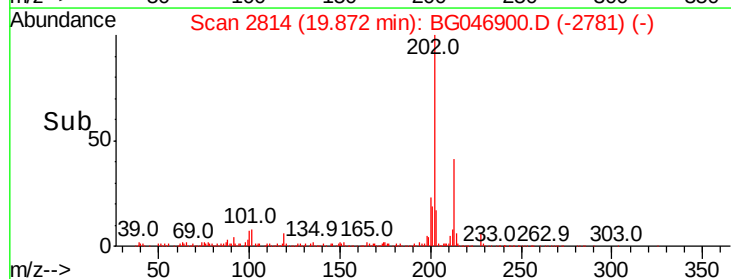
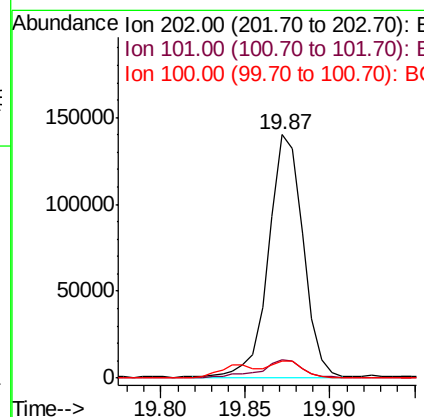
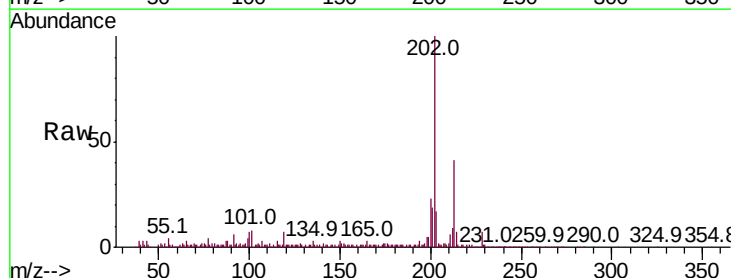
Instrument :
 BNA_G
 ClientSampled :

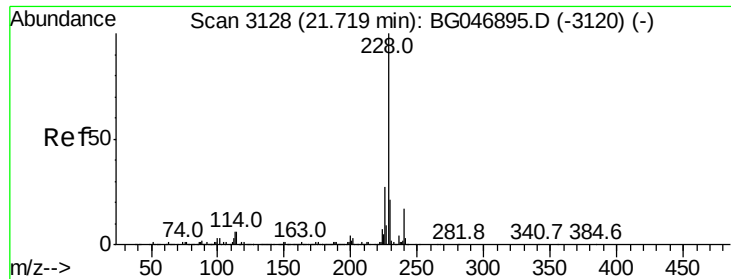
Tot Ion	Ratio	Lower	Upper
202	100		
101	6.5	5.8	8.6
100	5.5	4.5	6.7



#80
 Pyrene
 Concen: 5.807 ng/ul
 RT: 19.87 min Scan# 2814
 Delta R.T. -0.00 min
 Lab File: BG046900.D
 Acq: 14 Oct 2020 19:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.7	7.0	10.4
100	7.0	6.0	9.0





#83

Benzo(a)anthracene

Concen: 1.997 ng/ul

RT: 21.72 min Scan# 3129

Delta R.T. 0.00 min

Lab File: BG046900.D

Acq: 14 Oct 2020 19:48

Instrument :

BNA_G

ClientSampled :

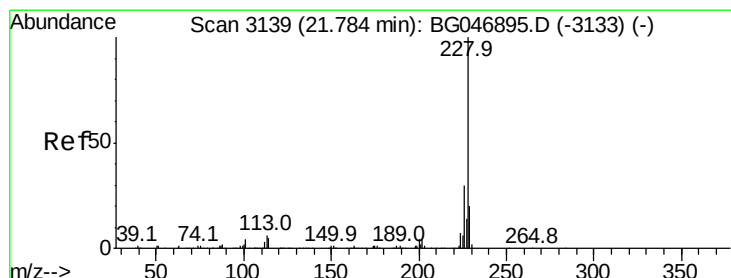
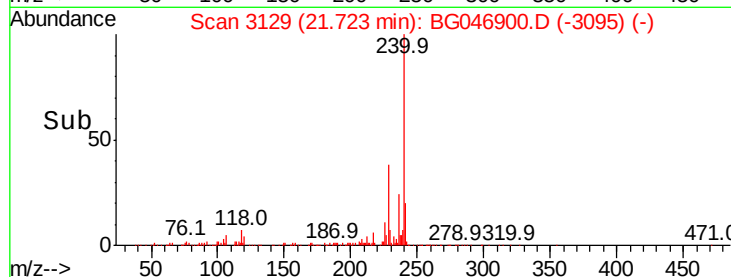
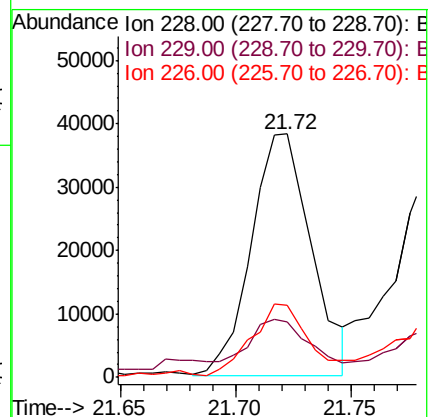
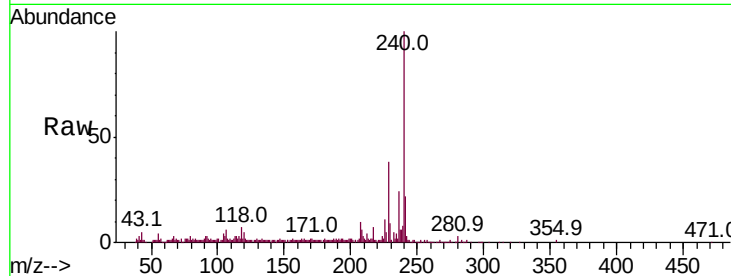
Tot Ion:228 Resp: 68998

Ion Ratio Lower Upper

228 100

229 22.8 16.5 24.7

226 29.8 21.6 32.4



#85

Chrysene

Concen: 1.851 ng/ul

RT: 21.79 min Scan# 3140

Delta R.T. 0.00 min

Lab File: BG046900.D

Acq: 14 Oct 2020 19:48

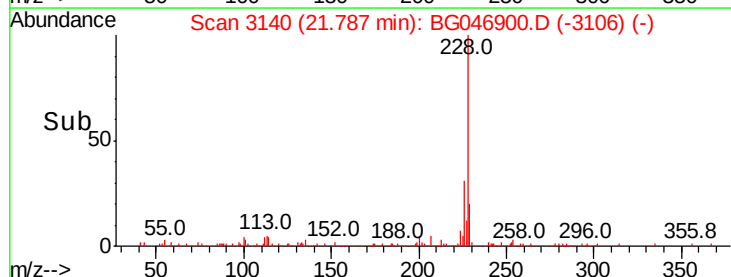
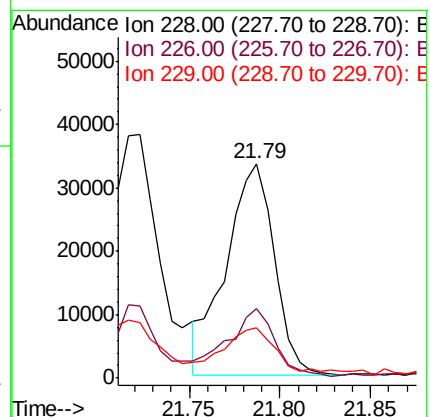
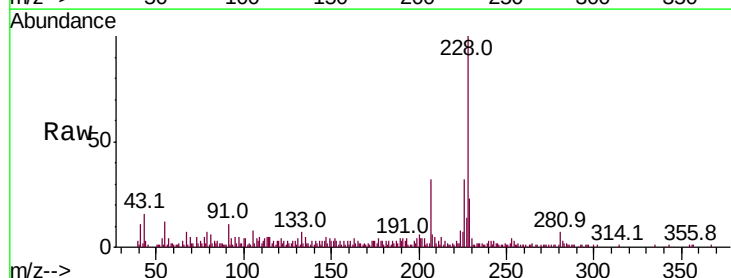
Tgt Ion:228 Resp: 62048

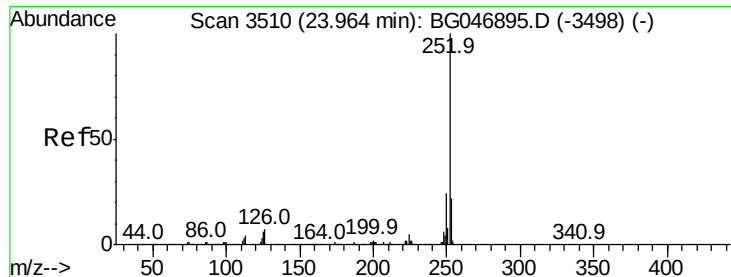
Ion Ratio Lower Upper

228 100

226 32.3 24.3 36.5

229 23.3 15.8 23.8





#88

Benzo(b)fluoranthene

Concen: 1.987 ng/ul

RT: 23.96 min Scan# 3510

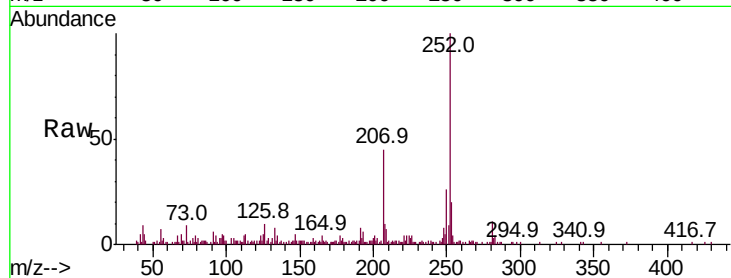
Delta R.T. -0.00 min

Lab File: BG046900.D

Acq: 14 Oct 2020 19:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.5	17.9	26.9
125	5.2	5.0	7.4

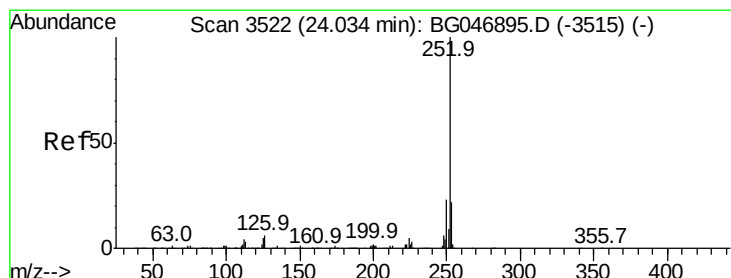
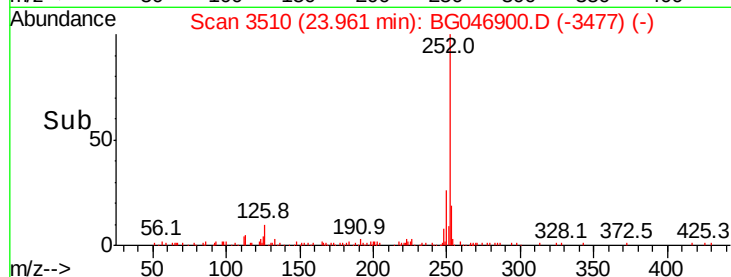
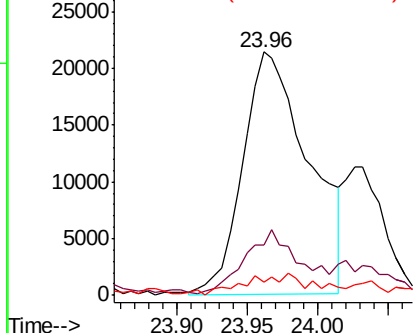


Abundance

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



#89

Benzo(k)fluoranthene

Concen: 2.041 ng/ul

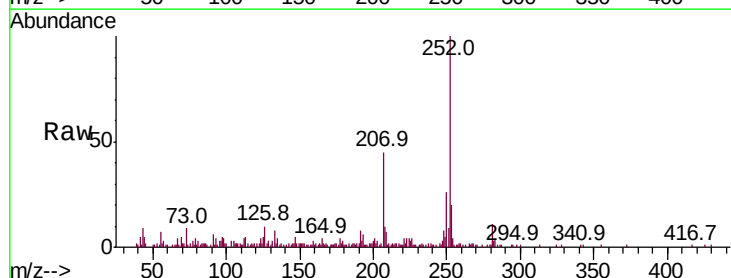
RT: 23.96 min Scan# 3510

Delta R.T. -0.07 min

Lab File: BG046900.D

Acq: 14 Oct 2020 19:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.5	17.7	26.5
125	5.2	4.8	7.2

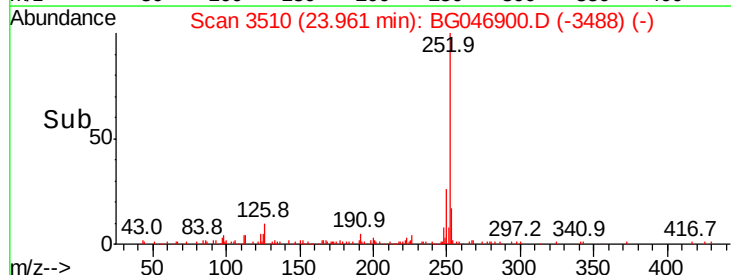
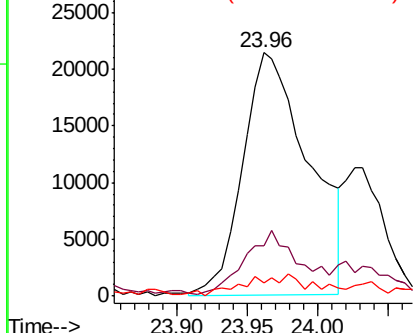


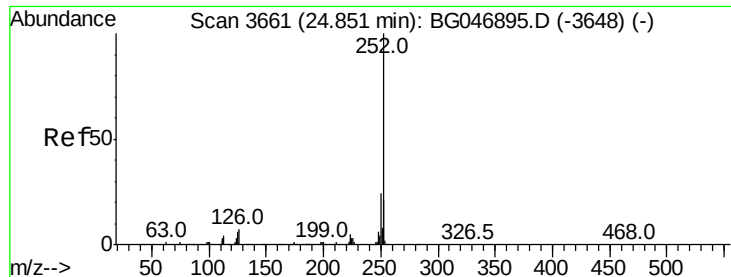
Abundance

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





#91

Benzo(a)pyrene

Concen: 1.458 ng/ul

RT: 24.84 min Scan# 3660

Delta R.T. -0.00 min

Lab File: BG046900.D

Acq: 14 Oct 2020 19:48

Instrument :

BNA_G

ClientSampleId :

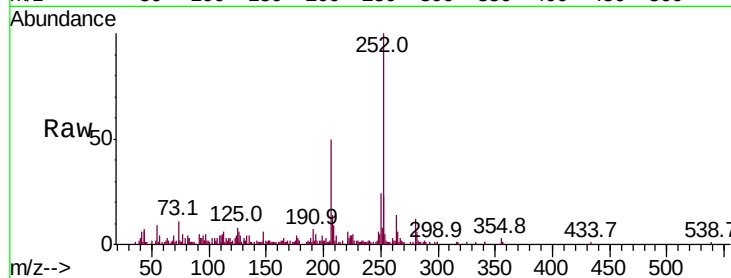
Tot Ion: 252 Resp: 46801

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 7.5 5.4 8.2



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

