

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047452.D
 Acq On : 24 Nov 2020 18:48
 Operator : CG/JU
 Sample : L4751-05
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B90

Quant Time: Nov 25 01:22:41 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 25 01:15:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	35373	20.00	ng/ul	0.00
18) Naphthalene-d8	11.10	136	130235	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.88	164	96405	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.72	188	188395	20.00	ng/ul	0.10
78) Chrysene-d12	21.90	240	190575	20.00	ng/ul	0.00
86) Perylene-d12	25.31	264	200168	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.61	96	1875	1.93	ng/uL	0.00
5) Phenol-d5	7.40	99	50123	14.13	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.58	67	26937	13.31	ng/ul	0.00
9) 2-Chlorophenol-d4	7.80	132	39126	16.44	ng/ul	0.00
13) 4-Methylphenol-d8	8.96	113	36597	13.42	ng/ul	0.00
19) Nitrobenzene-d5	9.44	128	19848	18.45	ng/ul	0.00
22) 2-Nitrophenol-d4	10.17	143	20972	17.87	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.71	165	46957	17.47	ng/ul	0.00
29) 4-Chloroaniline-d4	11.23	131	36494	13.43	ng/ul	0.00
44) Dimethylphthalate-d6	14.27	166	140570	16.98	ng/ul	0.00
47) Acenaphthylene-d8	14.58	160	169018	17.67	ng/ul	0.00
52) 4-Nitrophenol-d4	15.04	143	14623	11.58	ng/ul	0.00
58) Fluorene-d10	15.87	176	130541	17.22	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	16.01	200	94	0.09	ng/ul	0.03
71) Anthracene-d10	17.72	188	188395	20.16	ng/ul	0.00
79) Pyrene-d10	19.99	212	211059	19.03	ng/ul	0.00
90) Benzo(a)pyrene-d12	25.07	264	214797	18.64	ng/ul	0.00

Target Compounds

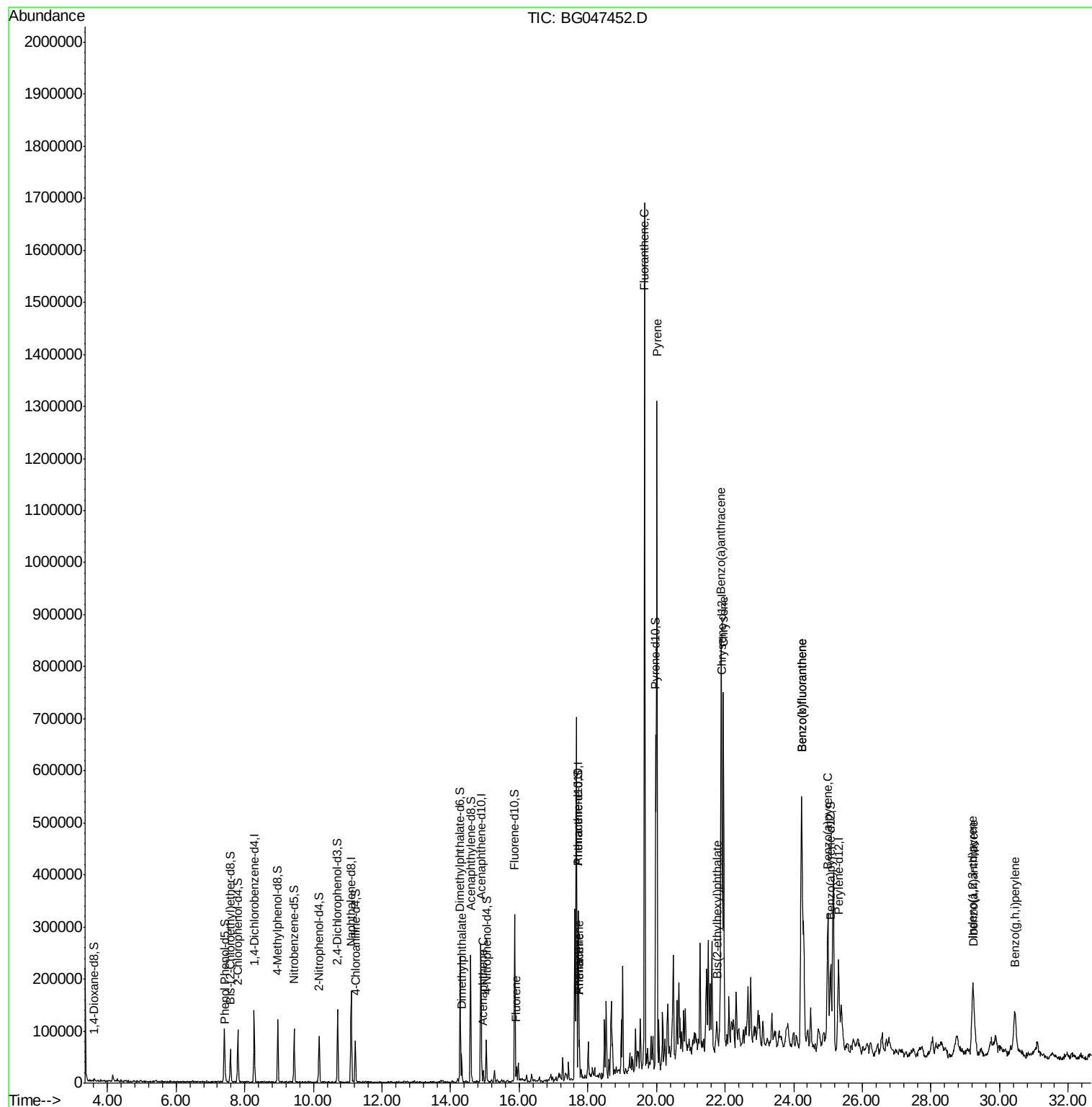
					Ovalue	
6) Phenol	7.44	94	8445	2.485	ng/ul#	88
45) Dimethylphthalate	14.32	163	31616	3.745	ng/ul#	97
50) Acenaphthene	14.94	153	8876	1.423	ng/ul#	82
59) Fluorene	15.92	166	12385	1.605	ng/ul	87
70) Phenanthrene	17.75	178	51547	5.067	ng/ul	95
72) Anthracene	17.75	178	49247	4.807	ng/ul	97
77) Fluoranthene	19.66	202	1079964	84.053	ng/ul	99
80) Pyrene	20.01	202	875328	64.842	ng/ul	99
83) Benzo(a)anthracene	21.88	228	487398	35.944	ng/ul	97
84) Bis(2-ethylhexyl)phthalate	21.77	149	11916	1.803	ng/ul#	92
85) Chrysene	21.95	228	544650	42.208	ng/ul	96
88) Benzo(b)fluoranthene	24.23	252	680923	48.180	ng/ul#	98
89) Benzo(k)fluoranthene	24.23	252	680923	48.890	ng/ul	98
91) Benzo(a)pyrene	24.99	252	309669	24.579	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	29.22	276	274985	17.943	ng/ul#	90
93) Dibenzo(a,h)anthracene	29.25	278	26120	2.079	ng/ul#	93
94) Benzo(g,h,i)perylene	30.44	276	213527	16.886	ng/ul#	94

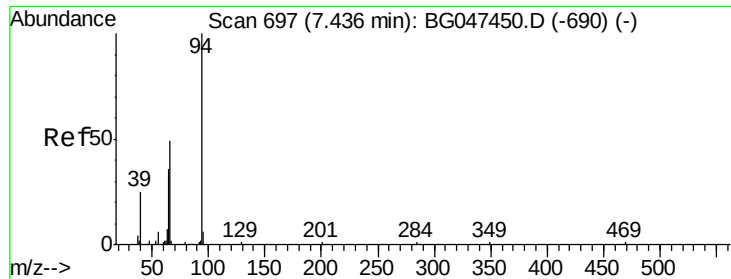
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.485 ng/ul

RT: 7.44 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG047452.D

Acq: 24 Nov 2020 18:48

Instrument :

BNA_G

ClientSampleId :

C0B90

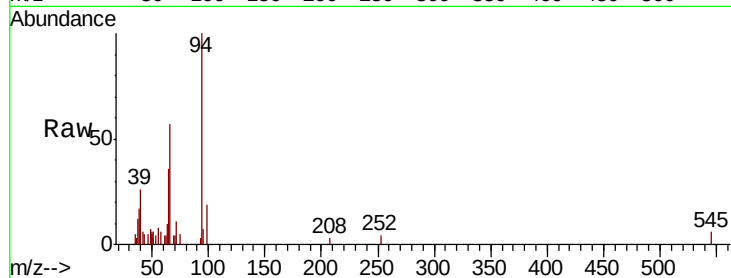
Tot Ion: 94 Resp: 8445

Ion Ratio Lower Upper

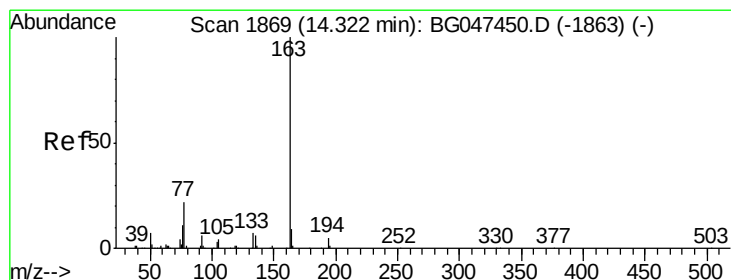
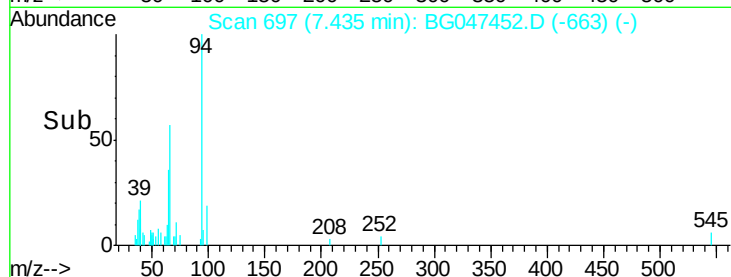
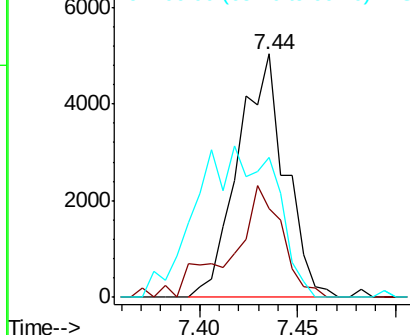
94 100

65 36.5 37.8 56.8#

66 57.5 51.6 77.4



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



#45

Dimethylphthalate

Concen: 3.745 ng/ul

RT: 14.32 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BG047452.D

Acq: 24 Nov 2020 18:48

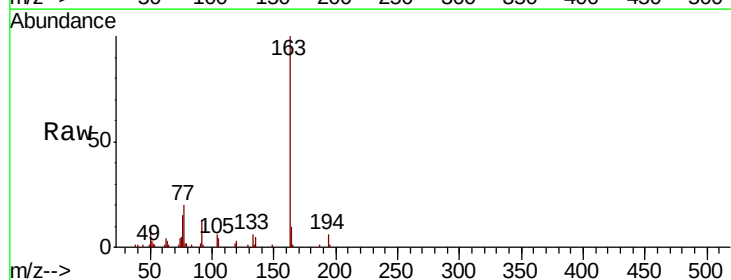
Tgt Ion:163 Resp: 31616

Ion Ratio Lower Upper

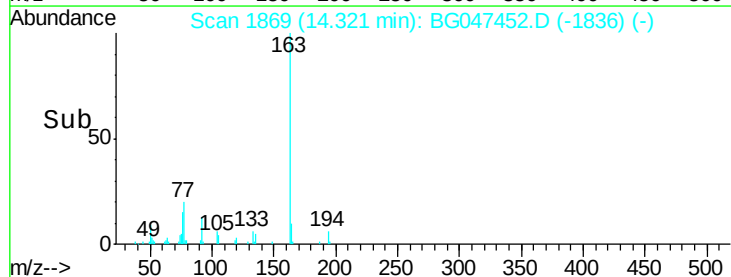
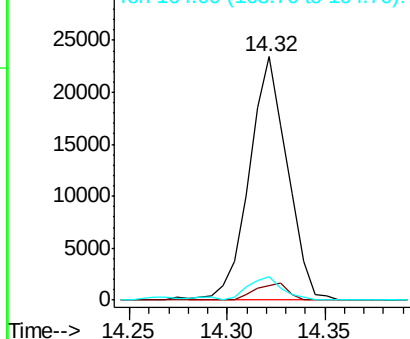
163 100

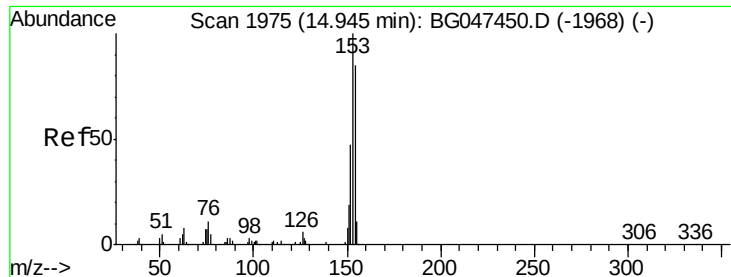
194 5.8 3.6 5.4#

164 9.6 8.5 12.7



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: 1.423 ng/ul

RT: 14.94 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG047452.D

Acq: 24 Nov 2020 18:48

Instrument :

BNA_G

ClientSampleId :

C0B90

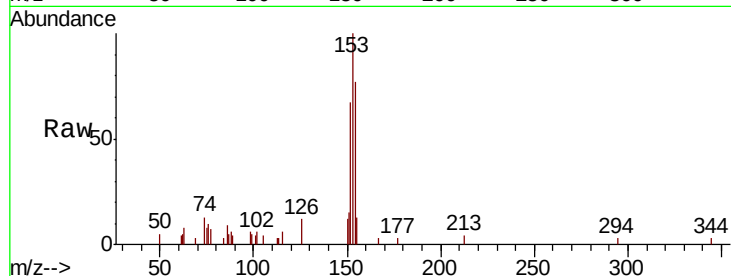
Tot Ion:153 Resp: 8876

Ion Ratio Lower Upper

153 100

152 67.0 36.9 55.3#

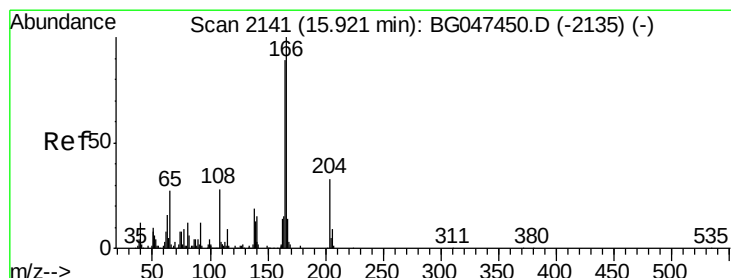
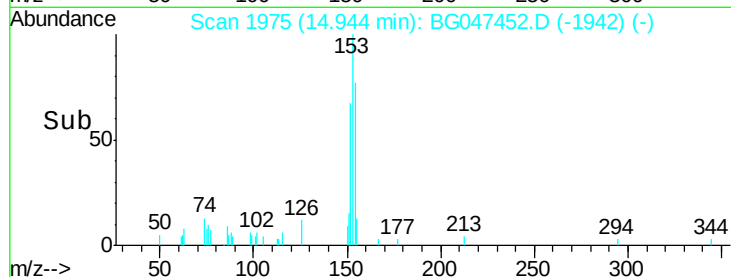
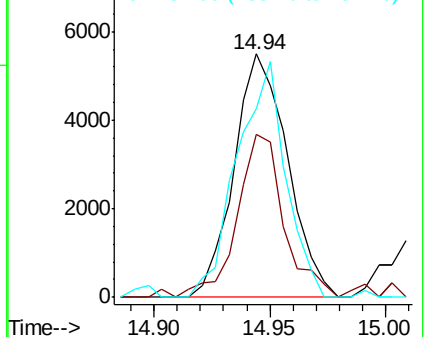
154 77.5 69.7 104.5



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



#59

Fluorene

Concen: 1.605 ng/ul

RT: 15.92 min Scan# 2141

Delta R.T. -0.01 min

Lab File: BG047452.D

Acq: 24 Nov 2020 18:48

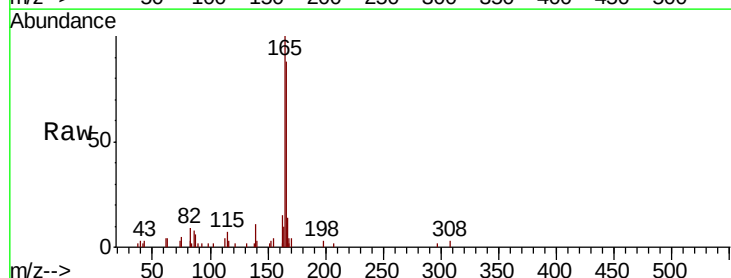
Tgt Ion:166 Resp: 12385

Ion Ratio Lower Upper

166 100

165 113.6 79.8 119.6

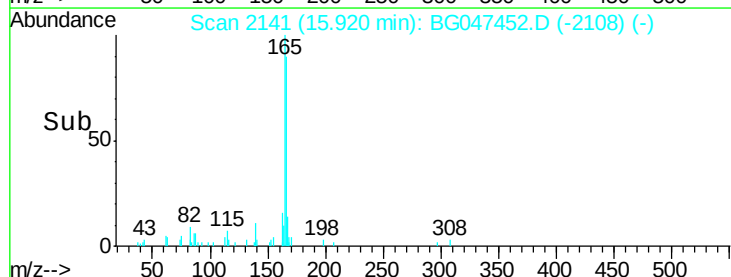
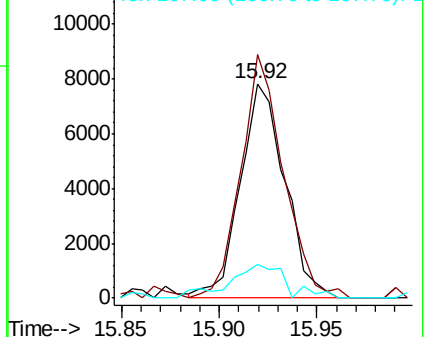
167 15.6 10.8 16.2

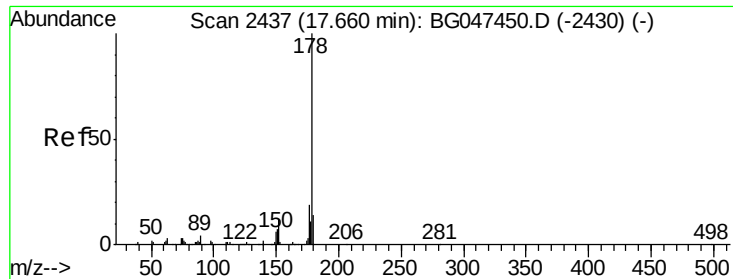


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 5.067 ng/ul

RT: 17.75 min Scan# 2453

Delta R.T. 0.09 min

Lab File: BG047452.D

Acq: 24 Nov 2020 18:48

Instrument :

BNA_G

ClientSampleId :

C0B90

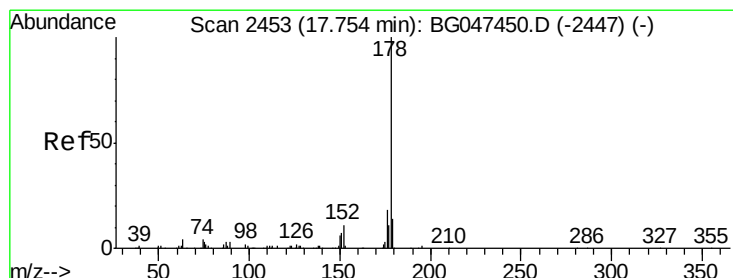
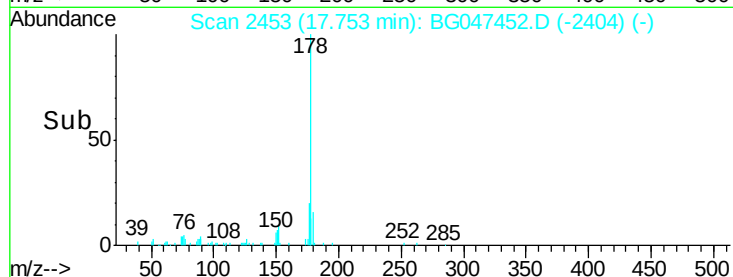
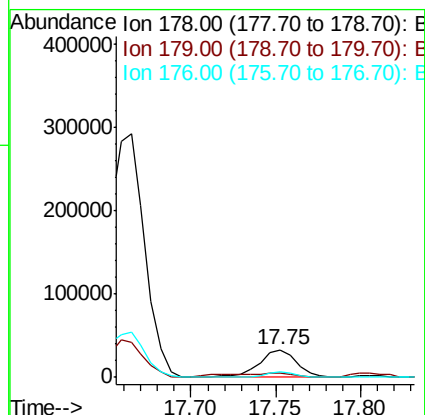
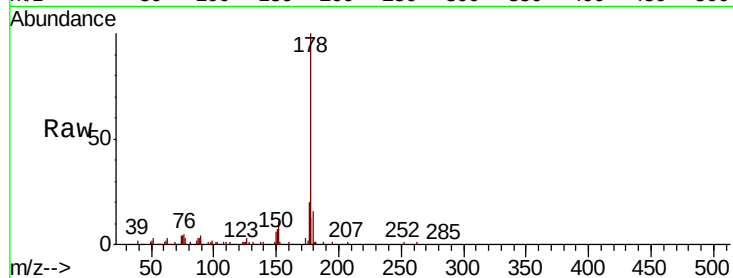
Tot Ion:178 Resp: 51547

Ion Ratio Lower Upper

178 100

179 16.1 11.8 17.6

176 20.0 13.9 20.9



#72

Anthracene

Concen: 4.807 ng/ul

RT: 17.75 min Scan# 2453

Delta R.T. -0.00 min

Lab File: BG047452.D

Acq: 24 Nov 2020 18:48

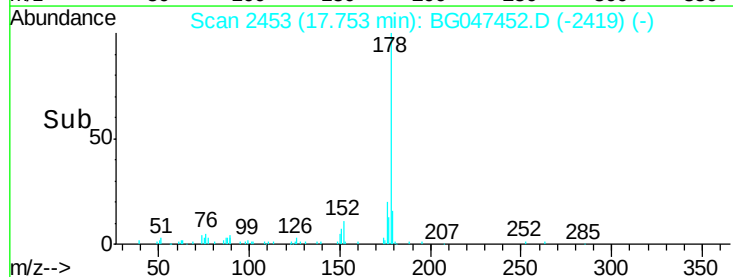
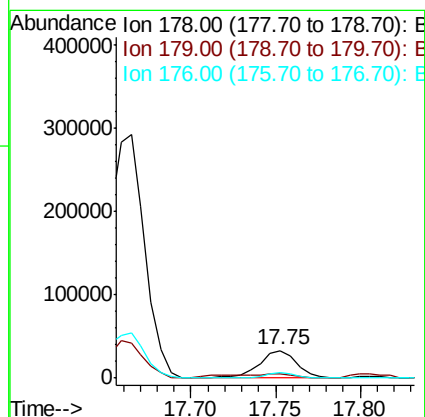
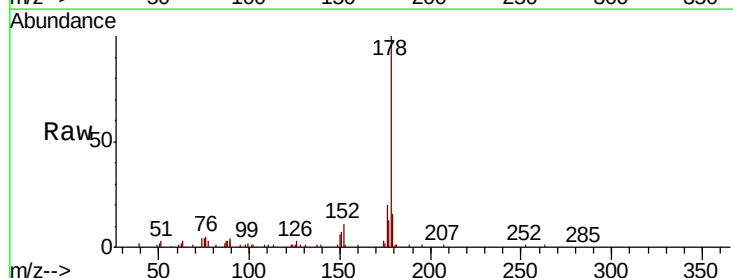
Tgt Ion:178 Resp: 49247

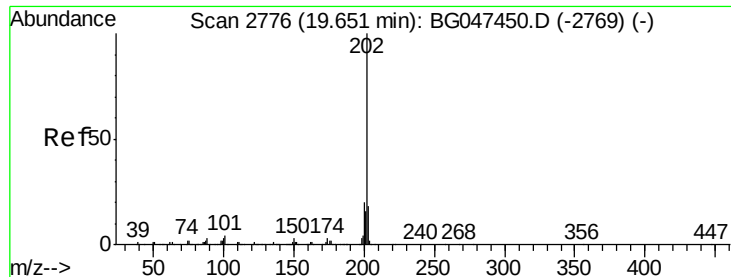
Ion Ratio Lower Upper

178 100

179 16.1 11.7 17.5

176 20.0 15.4 23.0

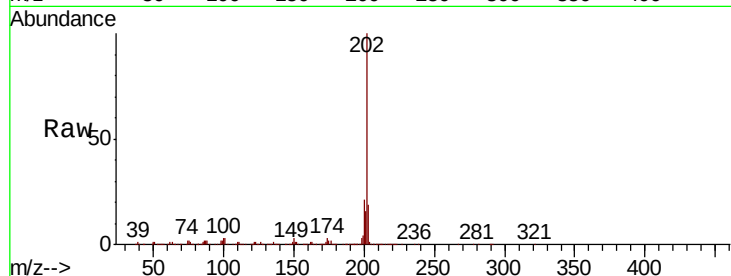




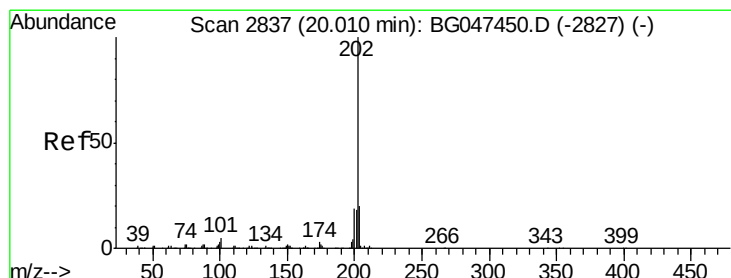
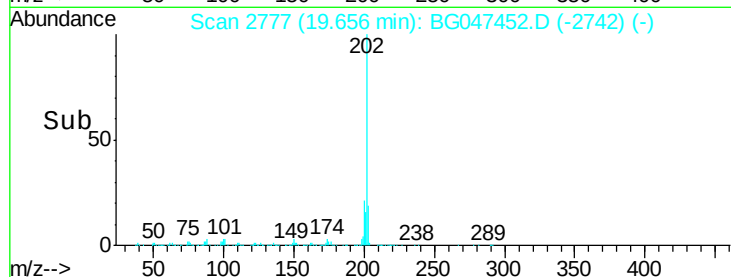
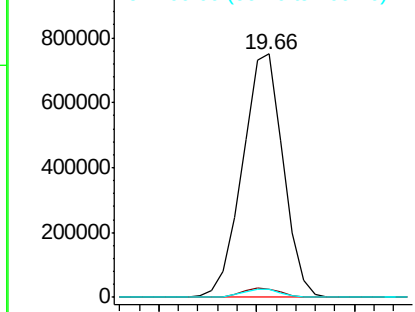
#77
Fluoranthene
Concen: 84.053 ng/ul
RT: 19.66 min Scan# 2777
Delta R.T. 0.00 min
Lab File: BG047452.D
Acq: 24 Nov 2020 18:48

Instrument :
BNA_G
ClientSampleId :
C0B90

Tot Ion:202 Resp: 1079964
Ion Ratio Lower Upper
202 100
101 3.4 3.0 4.6
100 3.3 3.0 4.6

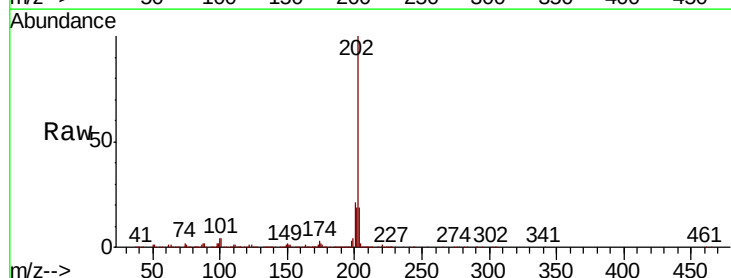


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

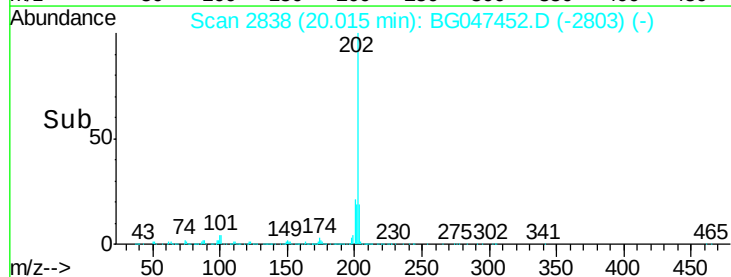
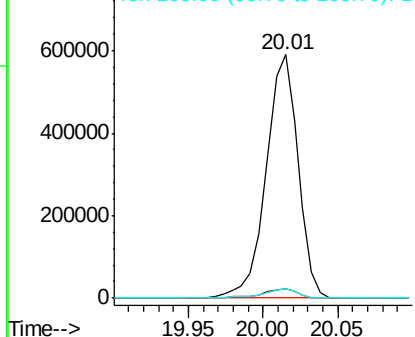


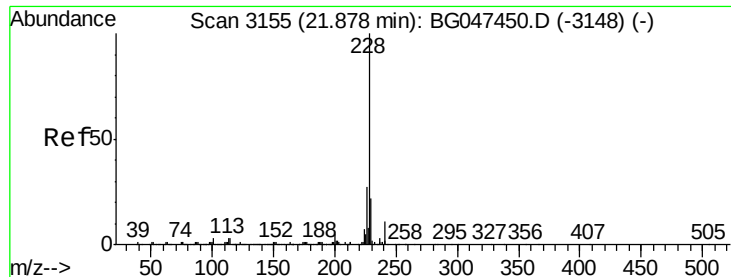
#80
Pyrene
Concen: 64.842 ng/ul
RT: 20.01 min Scan# 2838
Delta R.T. 0.00 min
Lab File: BG047452.D
Acq: 24 Nov 2020 18:48

Tgt Ion:202 Resp: 875328
Ion Ratio Lower Upper
202 100
101 3.8 3.5 5.3
100 3.8 3.4 5.0



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





#83

Benzo(a)anthracene

Concen: 35.944 ng/ul

RT: 21.88 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BG047452.D

Acq: 24 Nov 2020 18:48

Instrument :

BNA_G

ClientSampleId :

C0B90

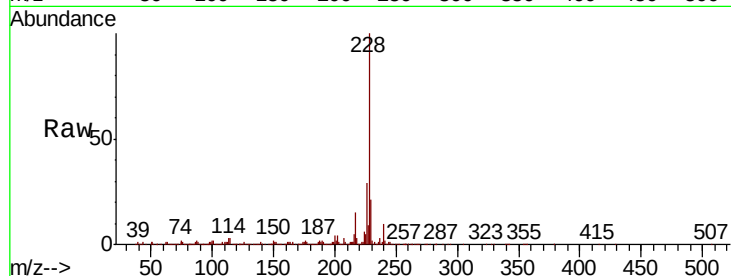
Tot Ion:228 Resp: 487398

Ion Ratio Lower Upper

228 100

229 20.8 15.6 23.4

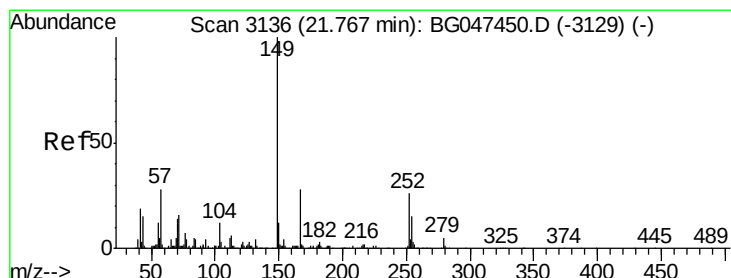
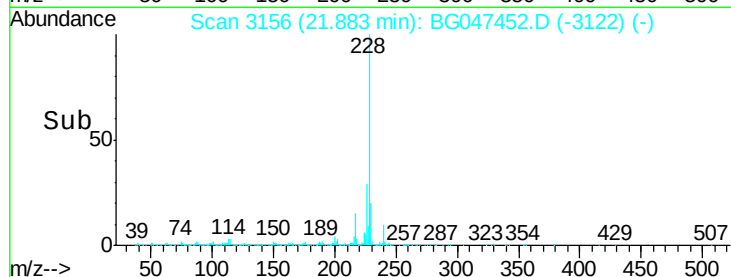
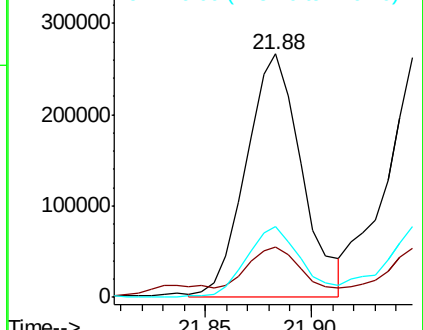
226 29.1 21.7 32.5



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

Bis(2-ethylhexyl)phthalate

Concen: 1.803 ng/ul

RT: 21.77 min Scan# 3137

Delta R.T. -0.00 min

Lab File: BG047452.D

Acq: 24 Nov 2020 18:48

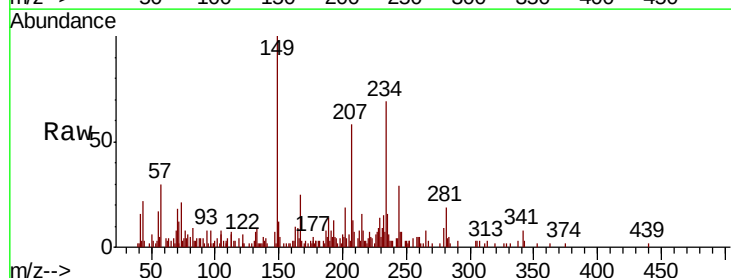
Tgt Ion:149 Resp: 11916

Ion Ratio Lower Upper

149 100

167 24.9 23.4 35.2

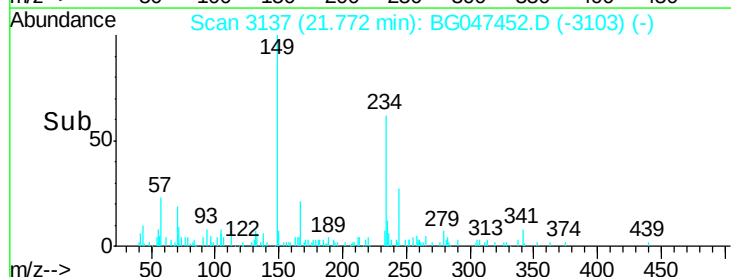
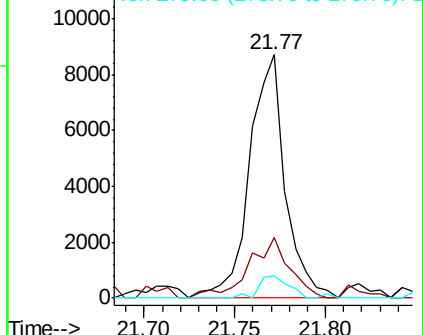
279 8.9 5.9 8.9#

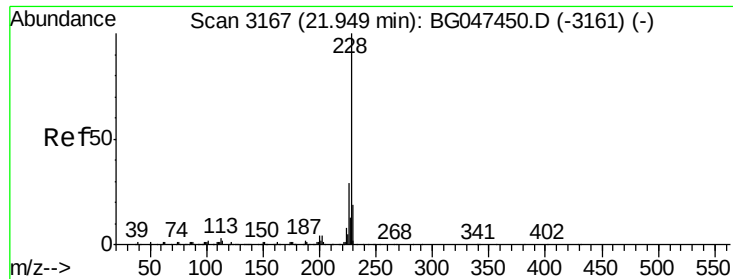


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

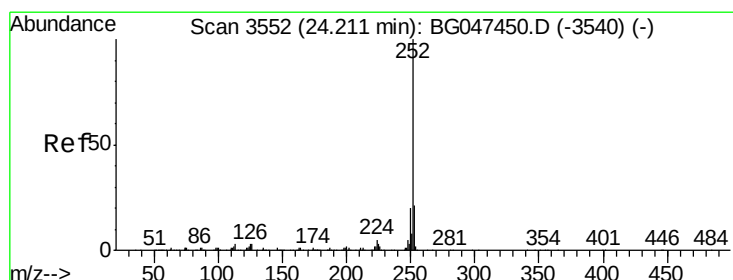
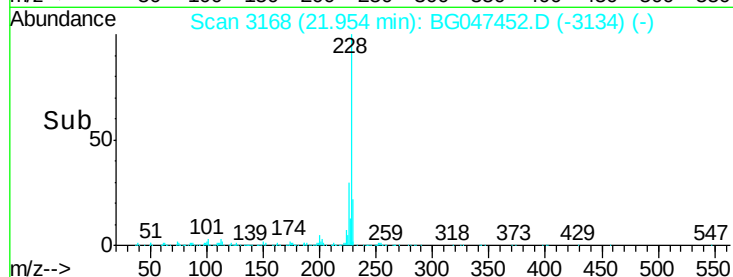
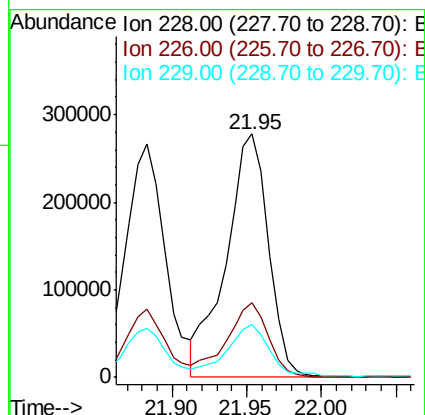
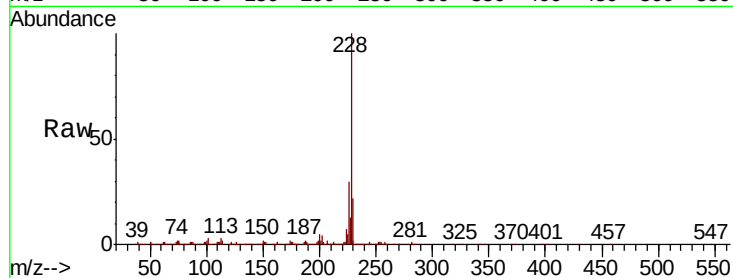




#85
 Chrysene
 Concen: 42.208 ng/ul
 RT: 21.95 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: BG047452.D
 Acq: 24 Nov 2020 18:48

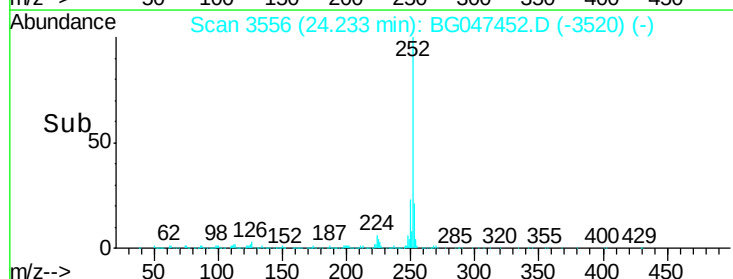
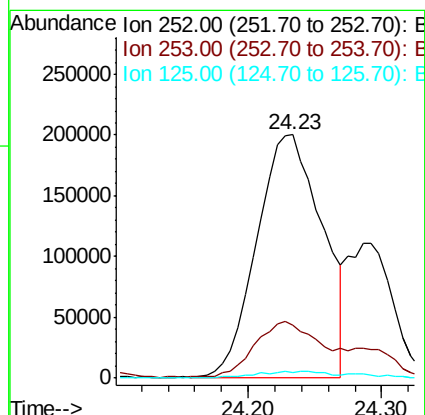
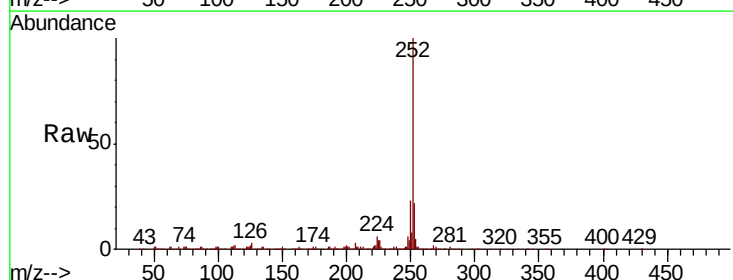
Instrument :
 BNA_G
 ClientSampleId :
 C0B90

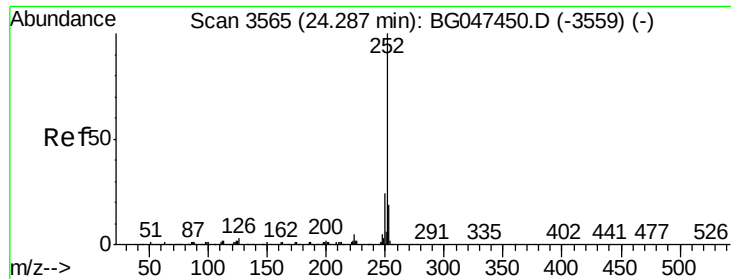
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.3	33.5
229	21.9	16.5	24.7



#88
 Benzo(b)fluoranthene
 Concen: 48.180 ng/ul
 RT: 24.23 min Scan# 3556
 Delta R.T. 0.01 min
 Lab File: BG047452.D
 Acq: 24 Nov 2020 18:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	16.6	25.0
125	2.4	2.7	4.1#





#89

Benzo(k)fluoranthene

Concen: 48.890 ng/ul

RT: 24.23 min Scan# 3556

Delta R.T. -0.06 min

Lab File: BG047452.D

Acq: 24 Nov 2020 18:48

Instrument :

BNA_G

ClientSampleId :

C0B90

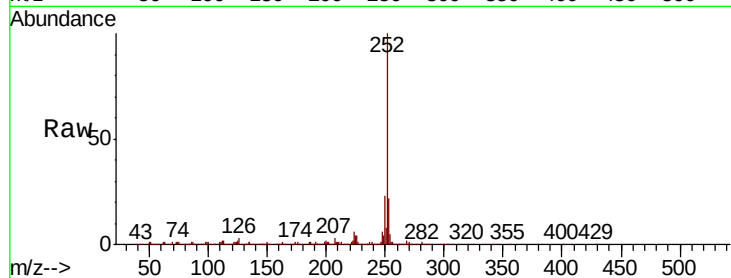
Tot Ion:252 Resp: 680923

Ion Ratio Lower Upper

252 100

253 21.7 18.2 27.4

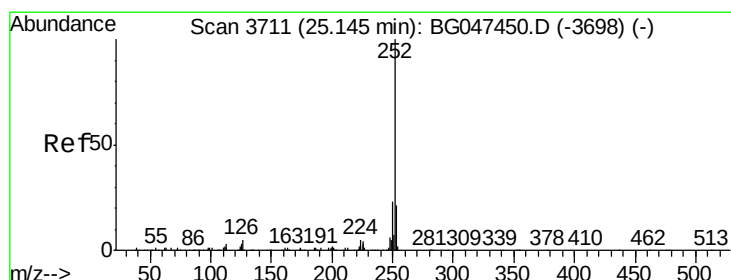
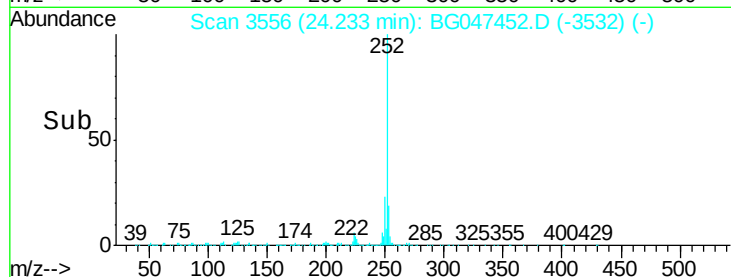
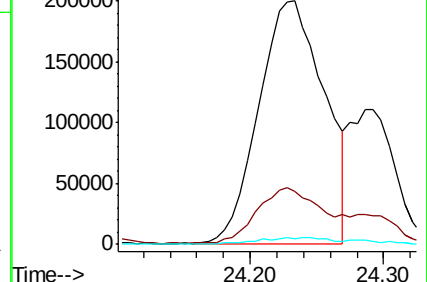
125 2.4 2.2 3.2



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: 24.579 ng/ul

RT: 24.99 min Scan# 3685

Delta R.T. -0.16 min

Lab File: BG047452.D

Acq: 24 Nov 2020 18:48

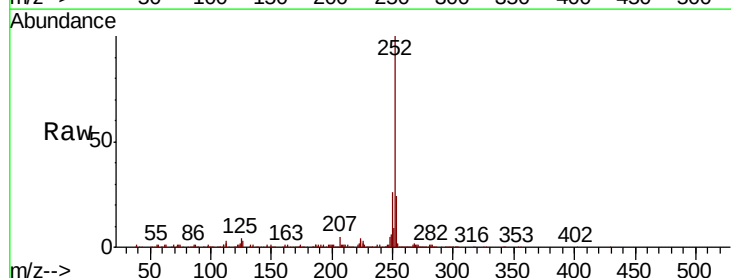
Tgt Ion:252 Resp: 309669

Ion Ratio Lower Upper

252 100

253 23.5 18.6 27.8

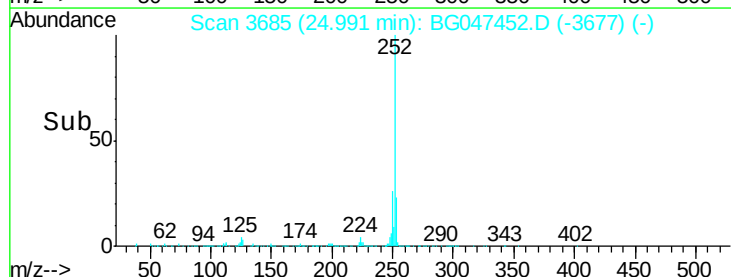
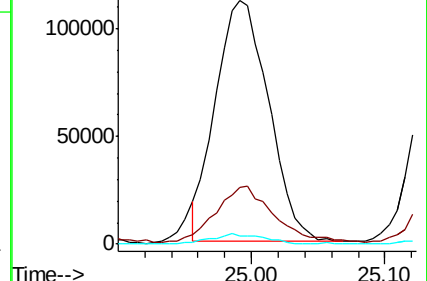
125 3.6 3.1 4.7

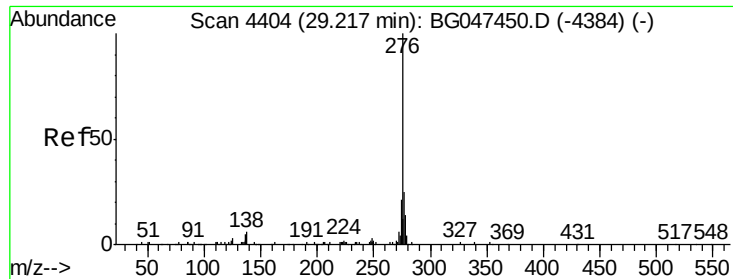


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



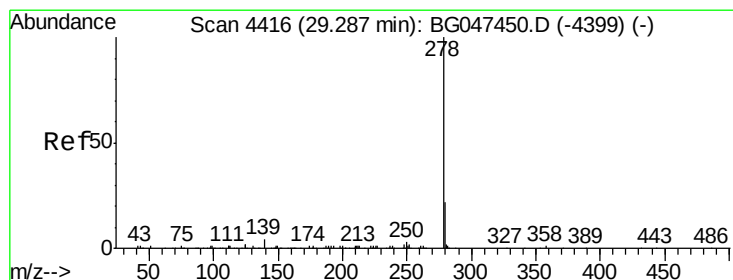
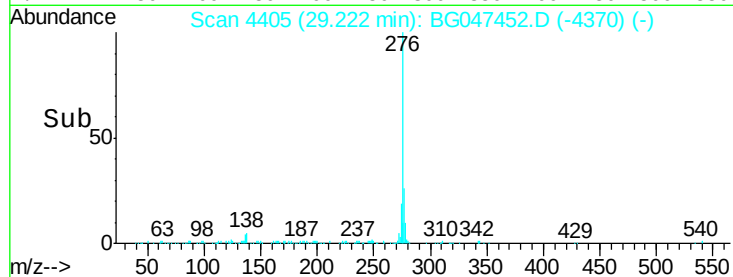
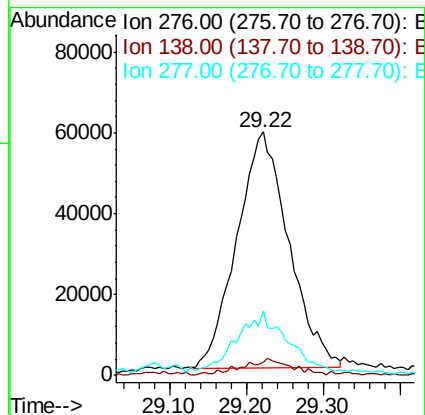
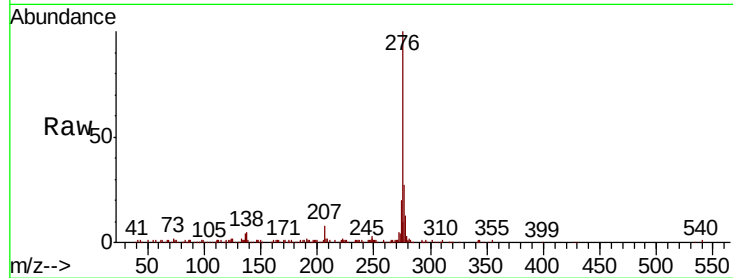


#92

Indeno(1,2,3-cd)pyrene
Concen: 17.943 ng/ul
RT: 29.22 min Scan# 4405
Delta R.T. 0.00 min
Lab File: BG047452.D
Acq: 24 Nov 2020 18:48

Instrument :
BNA_G
ClientSampleId :
C0B90

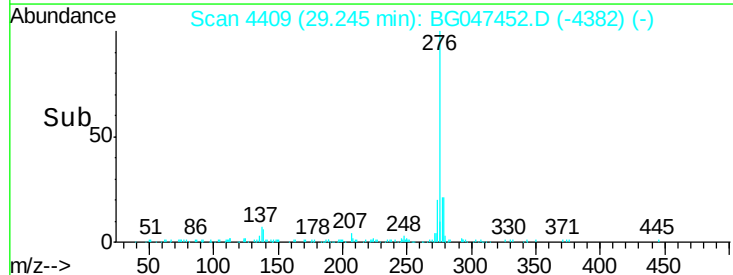
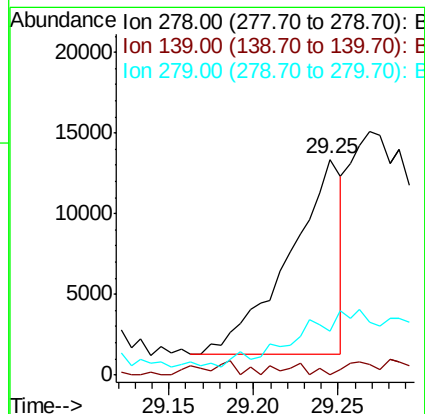
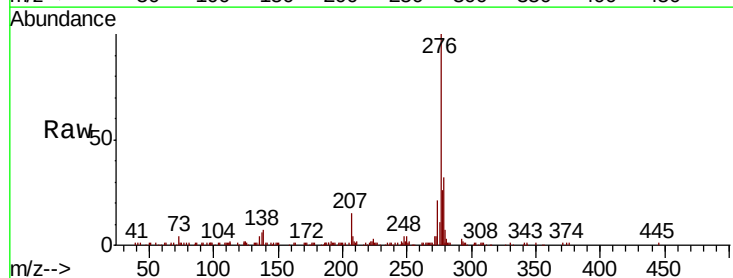
Tot Ion	Ion	Ratio	Lower	Upper
276	100			
138	5.5	5.0	7.6	
277	26.6	16.5	24.7	

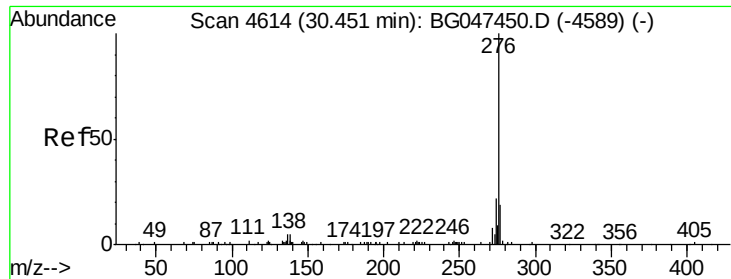


#93

Dibenzo(a,h)anthracene
Concen: 2.079 ng/ul
RT: 29.25 min Scan# 4409
Delta R.T. -0.04 min
Lab File: BG047452.D
Acq: 24 Nov 2020 18:48

Tgt Ion	Ion	Ratio	Lower	Upper
278	100			
139	0.0	4.6	7.0	
279	20.5	18.2	27.2	





#94

Benzo(a,h,i)perylene

Concen: 16.886 ng/ul

RT: 30.44 min Scan# 4613

Delta R.T. -0.00 min

Lab File: BG047452.D

Acq: 24 Nov 2020 18:48

Instrument :

BNA_G

ClientSampleId :

C0B90

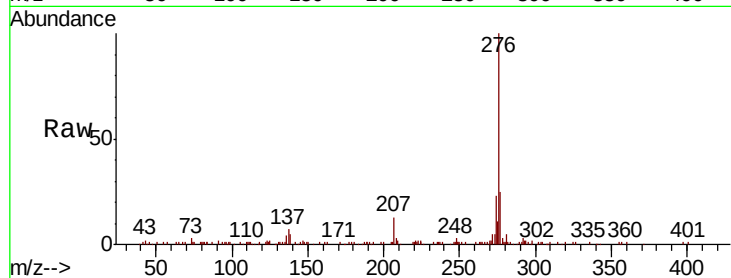
Tot Ion: 276 Resp: 213527

Ion Ratio Lower Upper

276 100

138 5.5 5.8 8.6#

277 24.6 17.4 26.2



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

