

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120320\
 Data File : BG047554.D
 Acq On : 4 Dec 2020 2:10
 Operator : CG/JU
 Sample : L4855-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB7Z7

Quant Time: Dec 04 02:58:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 03 15:14:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.25	152	35744	20.00	ng/ul	0.00
18) Naphthalene-d8	11.08	136	125631	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.86	164	89747	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.60	188	204333	20.00	ng/ul	0.00
78) Chrysene-d12	21.88	240	203036	20.00	ng/ul	0.00
86) Perylene-d12	25.27	264	216022	20.00	ng/ul	0.00

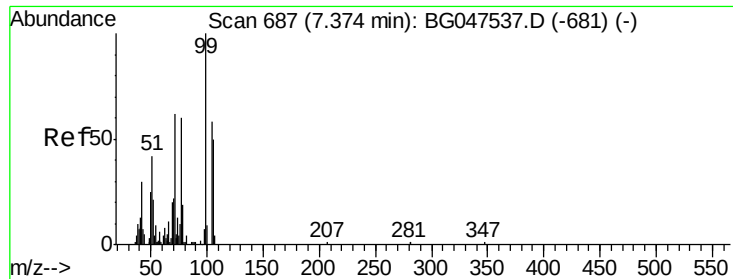
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	6917	7.03	ng/uL	0.01
5) Phenol-d5	7.39	99	138157	38.54	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.56	67	72026	35.23	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	102255	42.53	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	101309	36.78	ng/ul	0.00
19) Nitrobenzene-d5	9.41	128	48790	47.02	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	59335	52.40	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	112413	43.36	ng/ul	0.00
29) 4-Chloroaniline-d4	11.19	131	51197	19.53	ng/ul	0.00
44) Dimethylphthalate-d6	14.26	166	320733	41.63	ng/ul	0.00
47) Acenaphthylene-d8	14.56	160	397088	44.60	ng/ul	0.00
52) 4-Nitrophenol-d4	15.02	143	51148	43.51	ng/ul	0.00
58) Fluorene-d10	15.85	176	307898	43.63	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.95	200	65470	56.29	ng/ul	0.00
71) Anthracene-d10	17.70	188	470597	46.43	ng/ul	0.00
79) Pyrene-d10	19.97	212	512658	43.39	ng/ul	0.00
90) Benzo(a)pyrene-d12	25.03	264	560656	45.09	ng/ul	0.00

Target Compounds

					Ovalue	
4) Benzaldehyde	7.37	77	3953	1.867	ng/ul#	73
6) Phenol	7.41	94	5225	1.521	ng/ul#	84
8) Bis(2-Chloroethyl)ether	7.70	93	2880	1.136	ng/ul#	23
17) Hexachloroethane	9.35	117	6592	5.782	ng/ul#	1
28) Naphthalene	11.13	128	8266	1.162	ng/ul#	95
45) Dimethylphthalate	14.30	163	10921	1.390	ng/ul#	94
70) Phenanthrene	17.64	178	45015	4.080	ng/ul	97
72) Anthracene	17.64	178	45015	4.051	ng/ul	96
77) Fluoranthene	19.63	202	107970	7.748	ng/ul#	98
80) Pyrene	19.99	202	97265	6.763	ng/ul#	97
81) Butylbenzylphthalate	20.88	149	7110	1.408	ng/ul#	73
83) Benzo(a)anthracene	21.92	228	66861	4.628	ng/ul	93
84) Bis(2-ethylhexyl)phthalate	21.74	149	44153	6.271	ng/ul#	94
85) Chrysene	21.92	228	66861	4.863	ng/ul	97
88) Benzo(b)fluoranthene	24.18	252	101436	6.651	ng/ul	96
89) Benzo(k)fluoranthene	24.18	252	101436	6.749	ng/ul	98
91) Benzo(a)pyrene	25.11	252	59595	4.383	ng/ul#	99

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



#4

Benzaldehyde

Concen: 1.867 ng/ul

RT: 7.37 min Scan# 686

Delta R.T. -0.01 min

Lab File: BG047554.D

Acq: 4 Dec 2020 2:10

Instrument :

BNA_G

ClientSampled :

CB7Z7

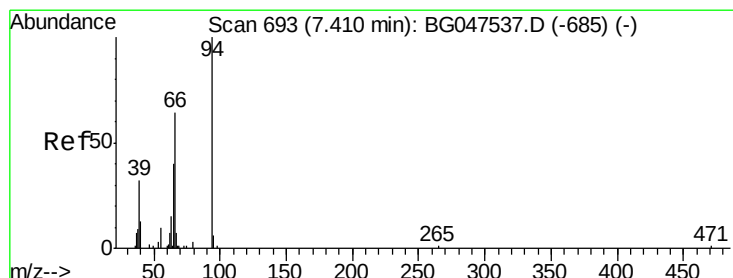
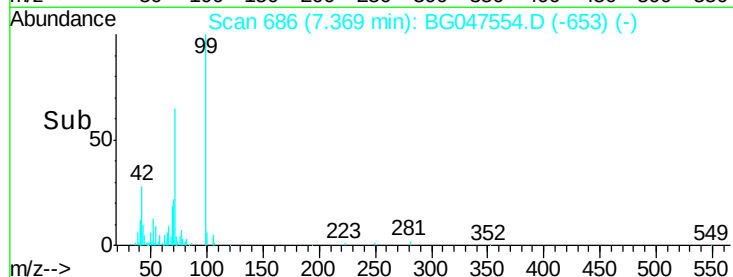
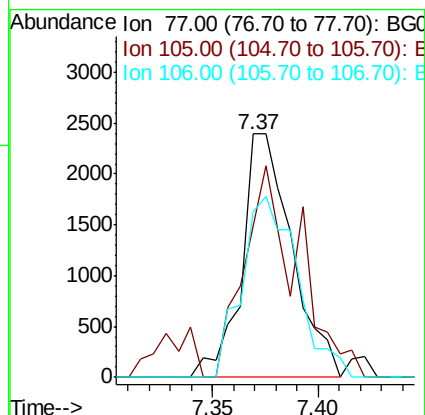
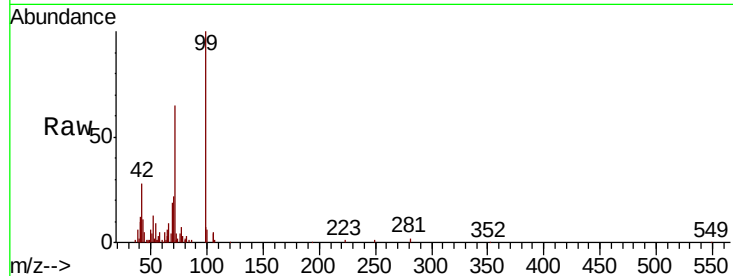
Tot Ion: 77 Resp: 3953

Ion Ratio Lower Upper

77 100

105 62.5 77.4 116.2#

106 67.8 67.7 101.5



#6

Phenol

Concen: 1.521 ng/ul

RT: 7.41 min Scan# 693

Delta R.T. 0.00 min

Lab File: BG047554.D

Acq: 4 Dec 2020 2:10

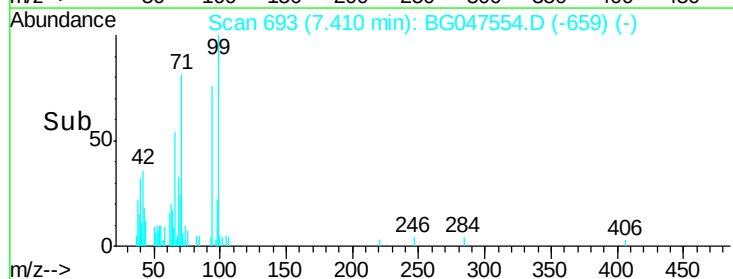
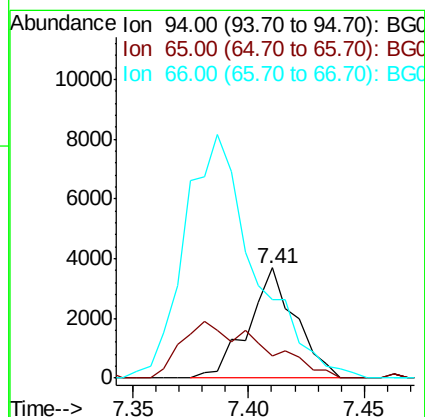
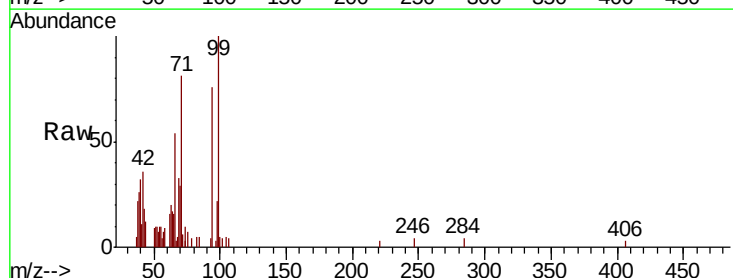
Tgt Ion: 94 Resp: 5225

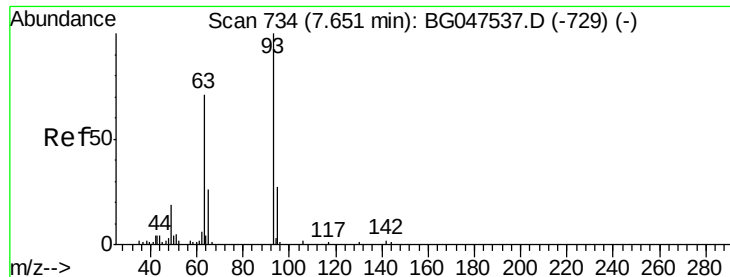
Ion Ratio Lower Upper

94 100

65 20.5 33.8 50.6#

66 70.9 53.5 80.3





#8

Bis(2-Chloroethyl)ether

Concen: 1.136 ng/ul

RT: 7.70 min Scan# 743

Delta R.T. 0.05 min

Lab File: BG047554.D

Acq: 4 Dec 2020 2:10

Instrument :

BNA_G

ClientSampleId :

CB7Z7

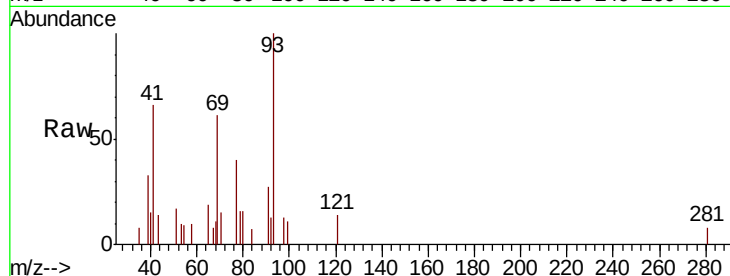
Tot Ion: 93 Resp: 2880

Ion Ratio Lower Upper

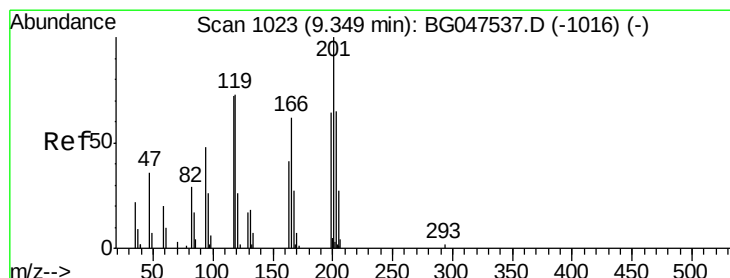
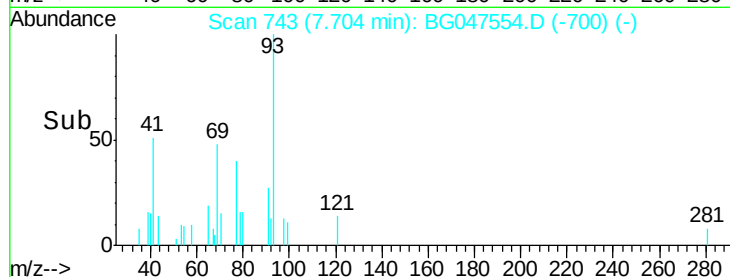
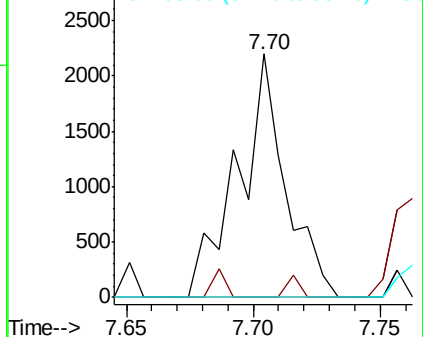
93 100

63 0.0 57.0 85.4#

95 0.0 21.4 32.2#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC



#17

Hexachloroethane

Concen: 5.782 ng/ul

RT: 9.35 min Scan# 1024

Delta R.T. 0.01 min

Lab File: BG047554.D

Acq: 4 Dec 2020 2:10

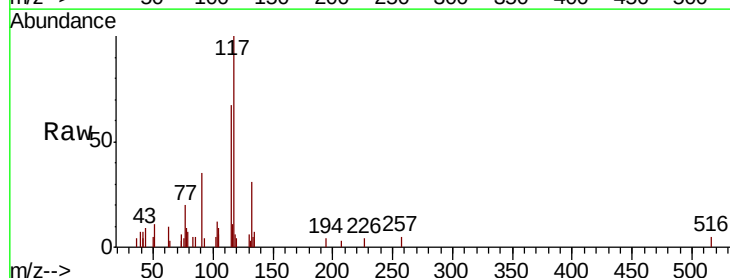
Tgt Ion: 117 Resp: 6592

Ion Ratio Lower Upper

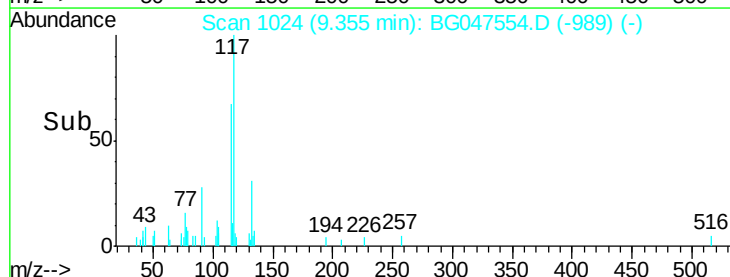
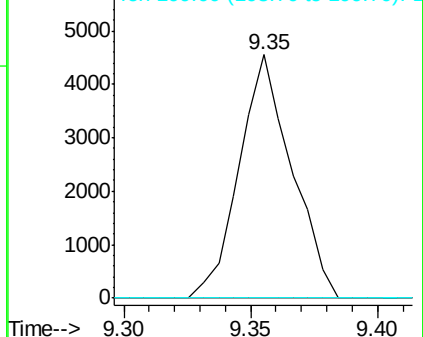
117 100

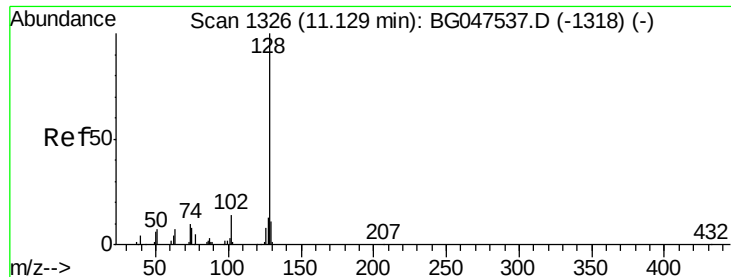
201 0.0 114.7 172.1#

199 0.0 71.2 106.8#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 201.00 (200.70 to 201.70): E
Ion 199.00 (198.70 to 199.70): E

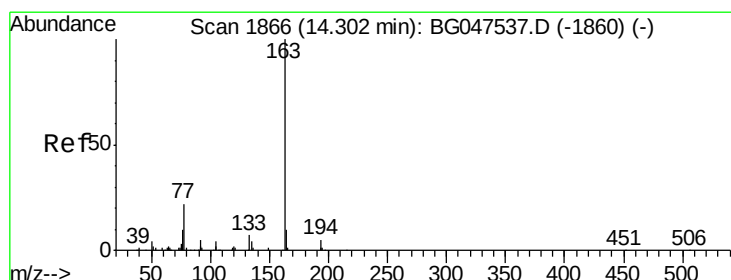
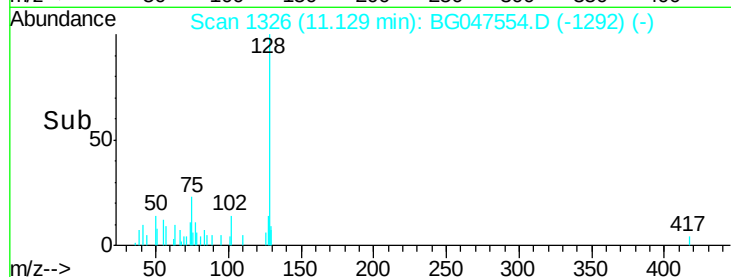
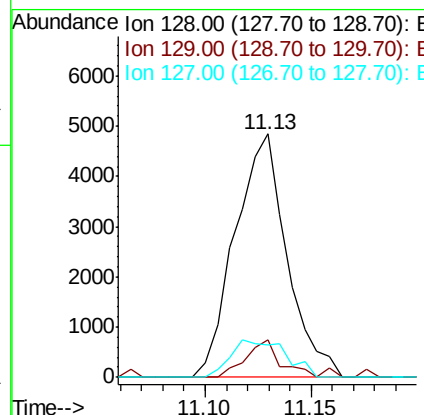
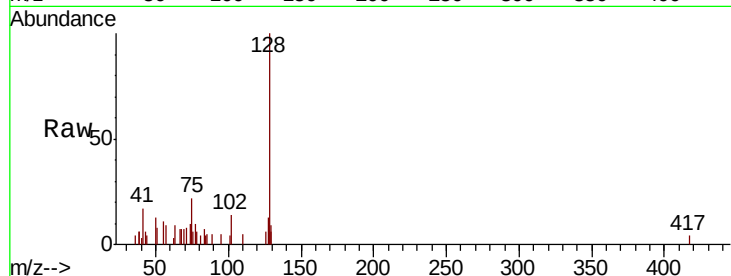




#28
Naphthalene
Concen: 1.162 ng/ul
RT: 11.13 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BG047554.D
Acq: 4 Dec 2020 2:10

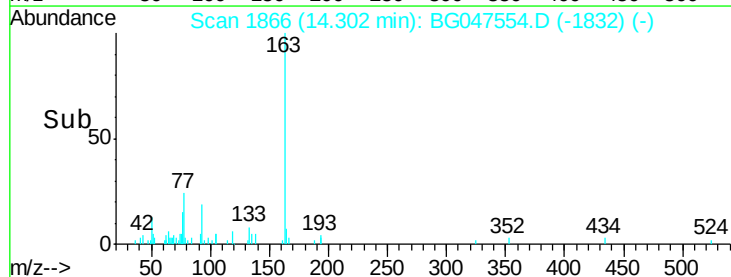
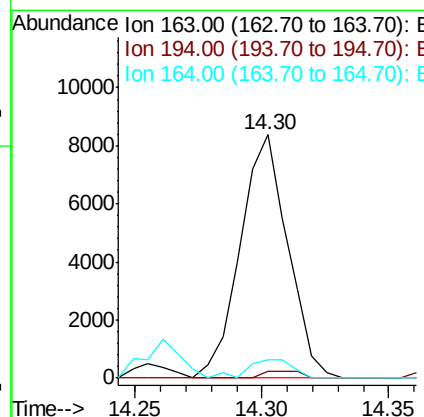
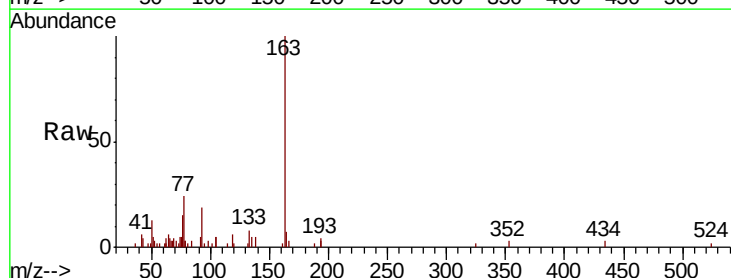
Instrument :
BNA_G
ClientSampleId :
CB7Z7

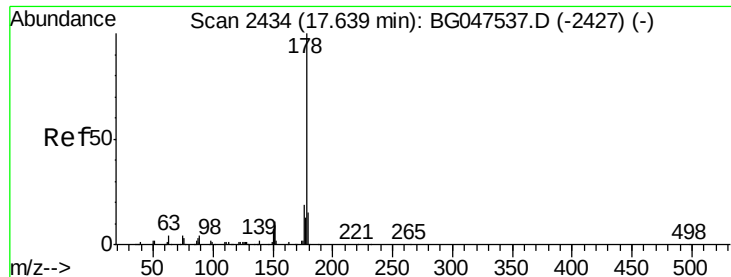
Tot Ion:128 Resp: 8266
Ion Ratio Lower Upper
128 100
129 15.2 8.6 13.0#
127 13.5 10.7 16.1



#45
Dimethylphthalate
Concen: 1.390 ng/ul
RT: 14.30 min Scan# 1866
Delta R.T. 0.00 min
Lab File: BG047554.D
Acq: 4 Dec 2020 2:10

Tgt Ion:163 Resp: 10921
Ion Ratio Lower Upper
163 100
194 3.1 3.6 5.4#
164 7.5 8.0 12.0#





#70

Phenanthrene

Concen: 4.080 ng/ul

RT: 17.64 min Scan# 2434

Delta R.T. 0.00 min

Lab File: BG047554.D

Acq: 4 Dec 2020 2:10

Instrument :

BNA_G

ClientSampleId :

CB7Z7

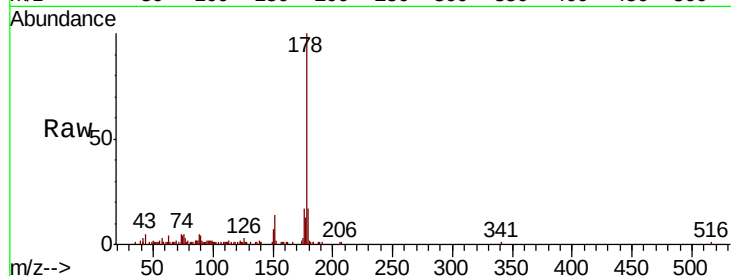
Tot Ion:178 Resp: 45015

Ion	Ratio	Lower	Upper
178	100		
179	16.6	12.3	18.5
176	17.1	15.0	22.4

178 100

179 16.6 12.3 18.5

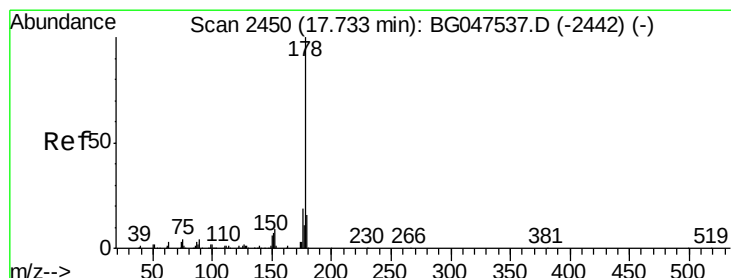
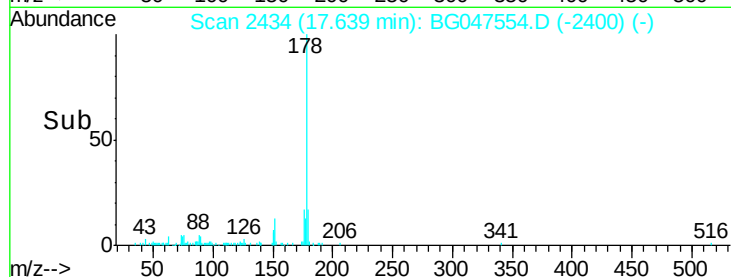
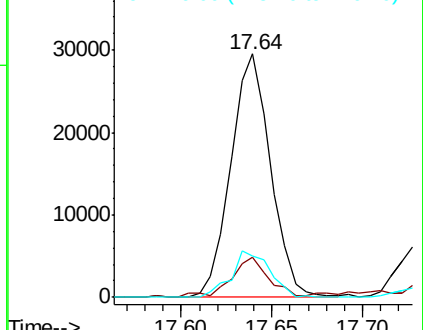
176 17.1 15.0 22.4



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: 4.051 ng/ul

RT: 17.64 min Scan# 2434

Delta R.T. -0.09 min

Lab File: BG047554.D

Acq: 4 Dec 2020 2:10

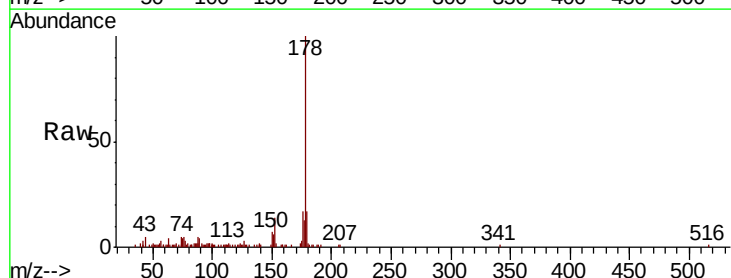
Tgt Ion:178 Resp: 45015

Ion	Ratio	Lower	Upper
178	100		
179	16.6	12.4	18.6
176	17.1	15.3	22.9

178 100

179 16.6 12.4 18.6

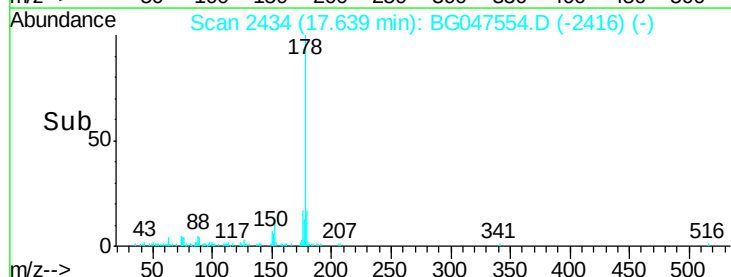
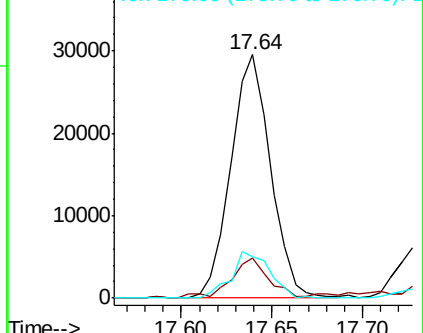
176 17.1 15.3 22.9

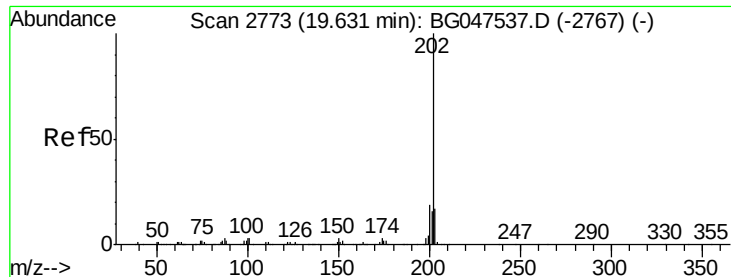


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

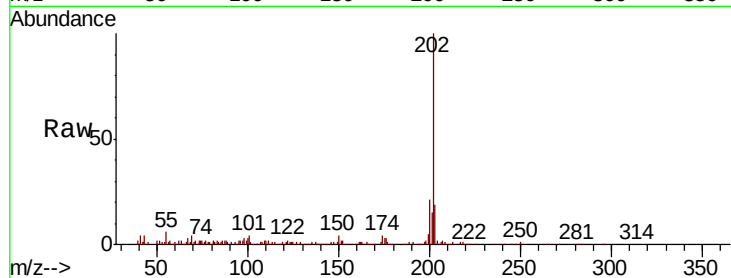




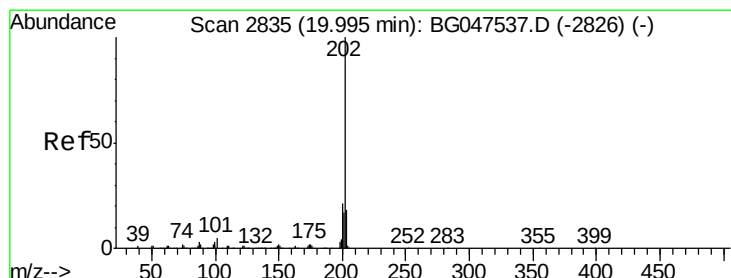
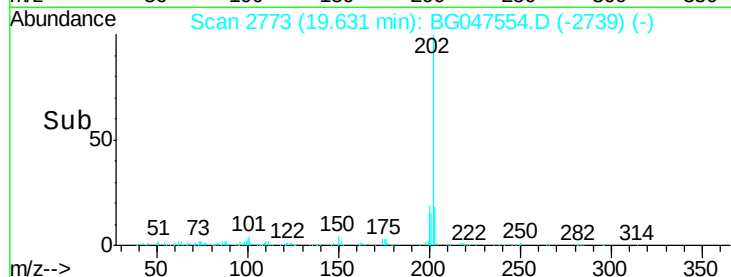
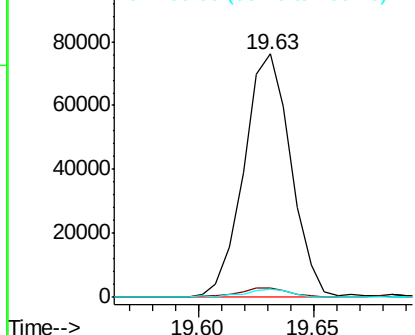
#77
Fluoranthene
Concen: 7.748 ng/ul
RT: 19.63 min Scan# 2773
Delta R.T. 0.00 min
Lab File: BG047554.D
Acq: 4 Dec 2020 2:10

Instrument :
BNA_G
ClientSampleId :
CB7Z7

Tot Ion	Ratio	Lower	Upper
202	100		
101	4.5	2.8	4.2#
100	3.3	2.6	3.8

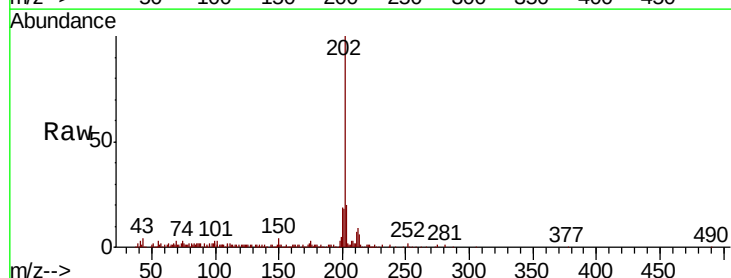


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

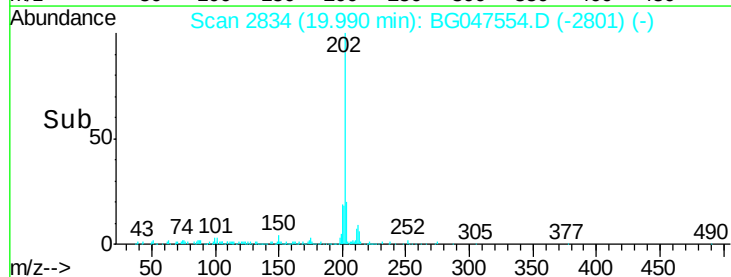
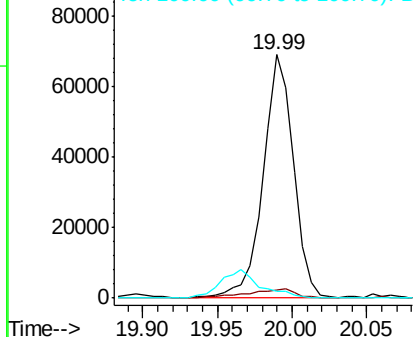


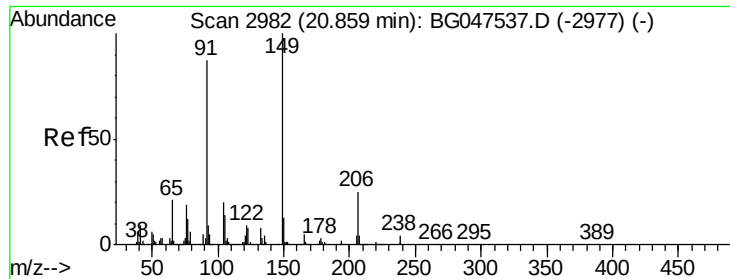
#80
Pyrene
Concen: 6.763 ng/ul
RT: 19.99 min Scan# 2834
Delta R.T. -0.01 min
Lab File: BG047554.D
Acq: 4 Dec 2020 2:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	3.3	3.8	5.6#
100	3.0	2.2	3.4



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





#81

Butylbenzylphthalate

Concen: 1.408 ng/ul

RT: 20.88 min Scan# 2985

Delta R.T. 0.02 min

Lab File: BG047554.D

Acq: 4 Dec 2020 2:10

Instrument :

BNA_G

ClientSampleId :

CB7Z7

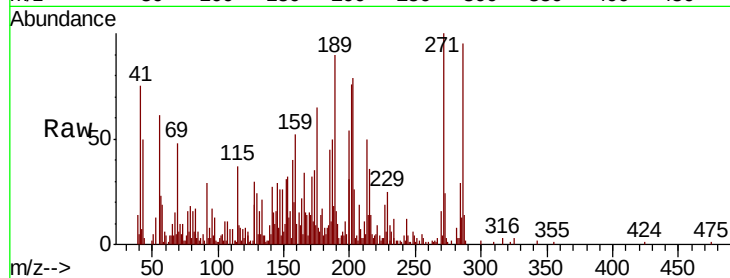
Tot Ion:149 Resp: 7110

Ion Ratio Lower Upper

149 100

91 110.7 69.8 104.8#

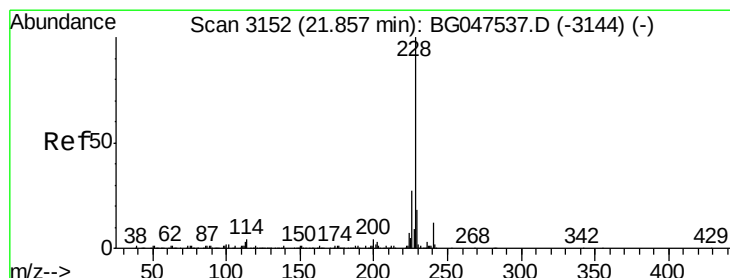
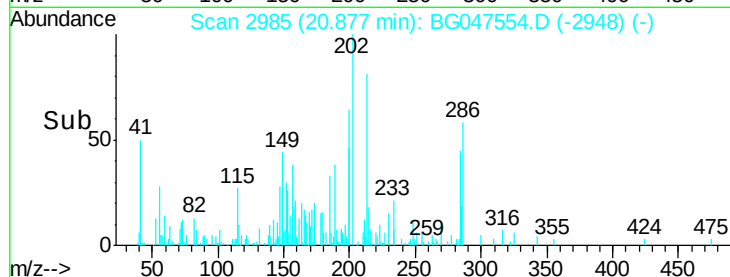
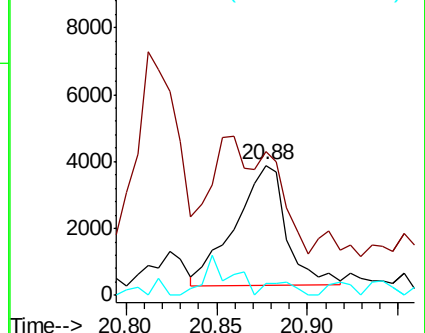
206 9.1 20.2 30.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E



#83

Benzo(a)anthracene

Concen: 4.628 ng/ul

RT: 21.92 min Scan# 3163

Delta R.T. 0.07 min

Lab File: BG047554.D

Acq: 4 Dec 2020 2:10

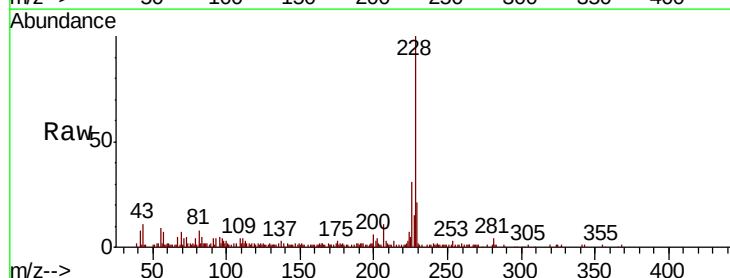
Tgt Ion:228 Resp: 66861

Ion Ratio Lower Upper

228 100

229 20.8 14.7 22.1

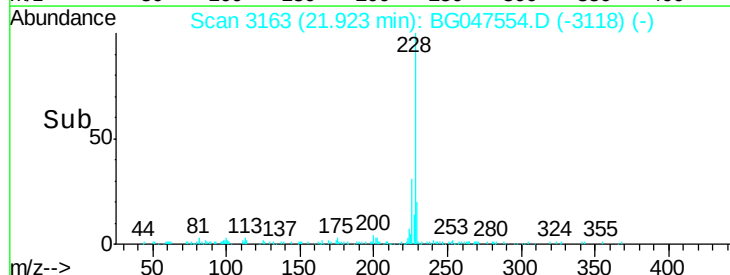
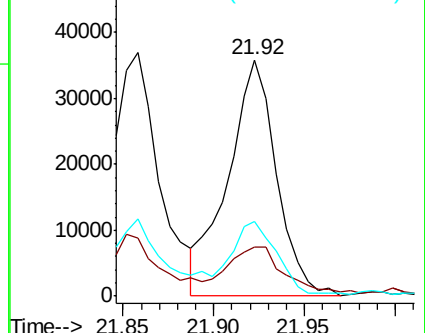
226 31.4 21.6 32.4

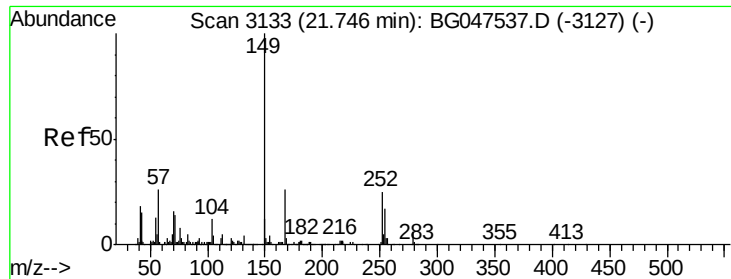


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

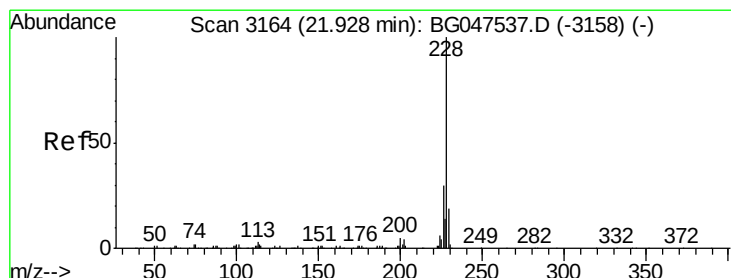
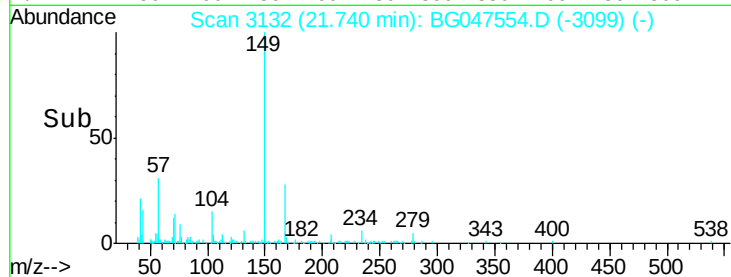
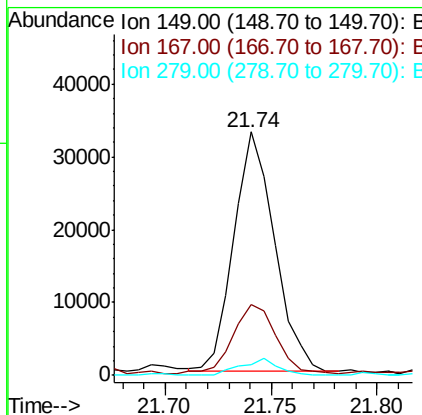
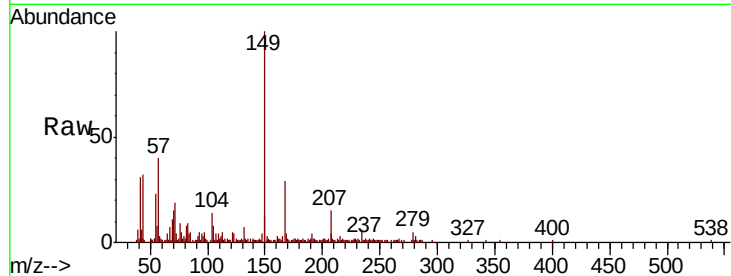




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 6.271 ng/ul
 RT: 21.74 min Scan# 3132
 Delta R.T. -0.01 min
 Lab File: BG047554.D
 Acq: 4 Dec 2020 2:10

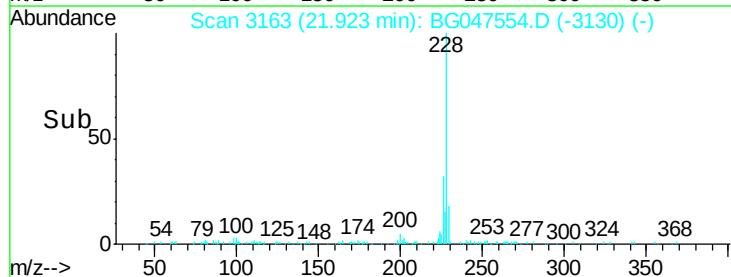
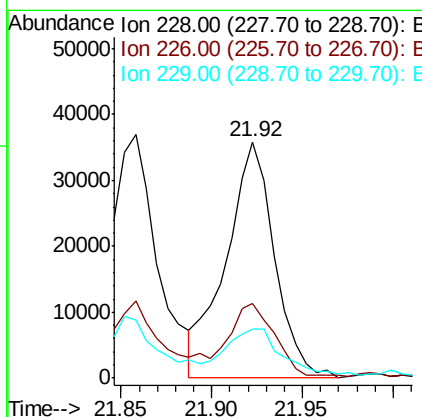
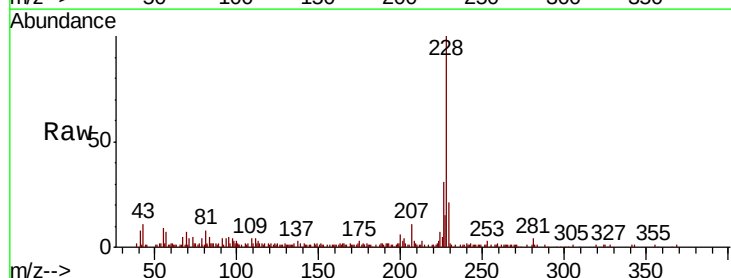
Instrument :
 BNA_G
 ClientSampleId :
 CB7Z7

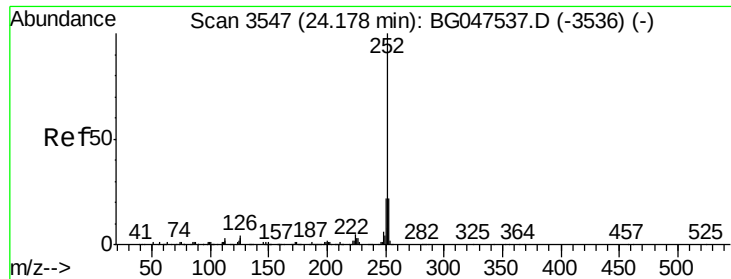
Tot Ion:149 Resp: 44153
 Ion Ratio Lower Upper
 149 100
 167 29.0 20.9 31.3
 279 4.6 5.2 7.8#



#85
 Chrysene
 Concen: 4.863 ng/ul
 RT: 21.92 min Scan# 3163
 Delta R.T. -0.01 min
 Lab File: BG047554.D
 Acq: 4 Dec 2020 2:10

Tgt Ion:228 Resp: 66861
 Ion Ratio Lower Upper
 228 100
 226 31.4 23.8 35.6
 229 20.8 15.5 23.3





#88

Benzo(b)fluoranthene

Concen: 6.651 ng/ul

RT: 24.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: BG047554.D

Acq: 4 Dec 2020 2:10

Instrument :

BNA_G

ClientSampleId :

CB7Z7

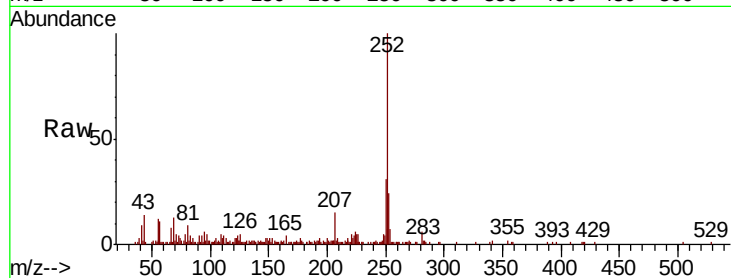
Tot Ion:252 Resp: 101436

Ion Ratio Lower Upper

252 100

253 24.5 17.9 26.9

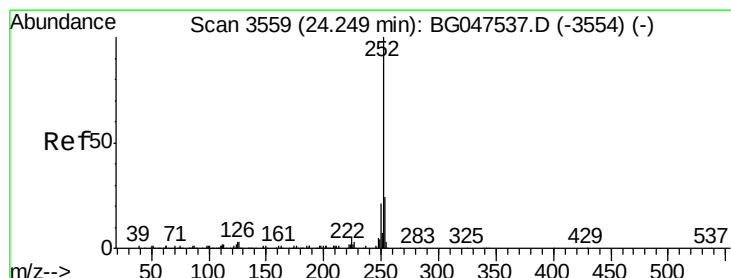
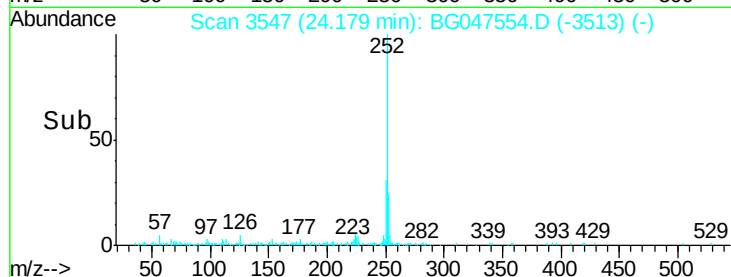
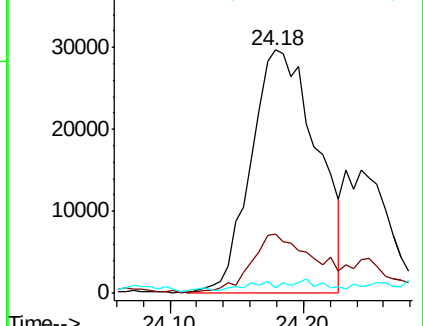
125 2.5 2.4 3.6



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



#89

Benzo(k)fluoranthene

Concen: 6.749 ng/ul

RT: 24.18 min Scan# 3547

Delta R.T. -0.07 min

Lab File: BG047554.D

Acq: 4 Dec 2020 2:10

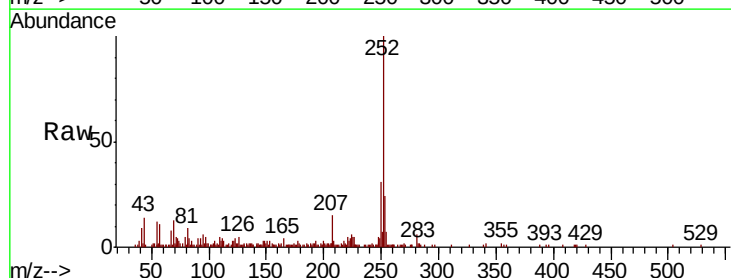
Tgt Ion:252 Resp: 101436

Ion Ratio Lower Upper

252 100

253 24.5 19.0 28.4

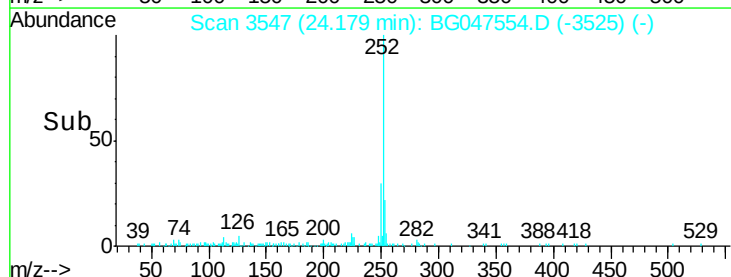
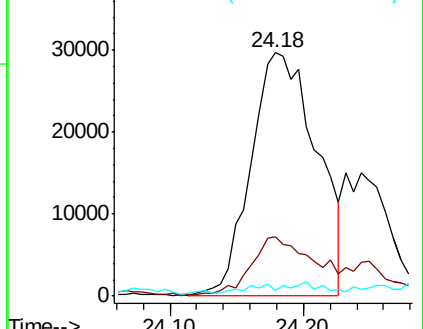
125 2.5 2.2 3.4

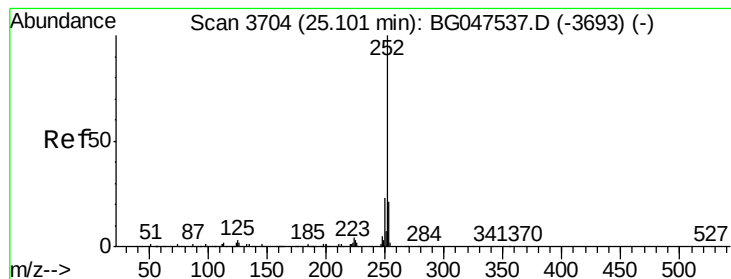


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 4.383 ng/ul

RT: 25.11 min Scan# 3705

Delta R.T. 0.01 min

Lab File: BG047554.D

Acq: 4 Dec 2020 2:10

Instrument :

BNA_G

ClientSampleId :

CB7Z7

Tot Ion: 252 Resp: 59595

Ion Ratio Lower Upper

252 100

253 21.2 17.3 25.9

125 3.7 2.3 3.5#

