

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120320\
 Data File : BG047555.D
 Acq On : 4 Dec 2020 2:51
 Operator : CG/JU
 Sample : L4855-10
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB7Z6

Quant Time: Dec 04 03:30:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 04 02:52:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.25	152	35637	20.00	ng/ul	0.00
18) Naphthalene-d8	11.08	136	140313	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.87	164	99784	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.60	188	225415	20.00	ng/ul	0.00
78) Chrysene-d12	21.87	240	196689	20.00	ng/ul	0.00
86) Perylene-d12	25.26	264	209655	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	3610	3.68	ng/uL	0.01
5) Phenol-d5	7.39	99	97618	27.31	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.56	67	52254	25.63	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	77499	32.33	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	80792	29.42	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	37823	32.63	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	44768	35.40	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	91914	31.74	ng/ul	0.00
29) 4-Chloroaniline-d4	11.20	131	94736	32.35	ng/ul	0.00
44) Dimethylphthalate-d6	14.25	166	264436	30.87	ng/ul	0.00
47) Acenaphthylene-d8	14.56	160	325436	32.87	ng/ul	0.00
52) 4-Nitrophenol-d4	15.03	143	37727	28.87	ng/ul	0.00
58) Fluorene-d10	15.85	176	245537	31.29	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.95	200	47084	36.70	ng/ul	0.00
71) Anthracene-d10	17.70	188	347933	31.11	ng/ul	0.00
79) Pyrene-d10	19.97	212	357265	31.21	ng/ul	0.00
90) Benzo(a)pyrene-d12	25.03	264	381109	31.58	ng/ul	0.00

Target Compounds

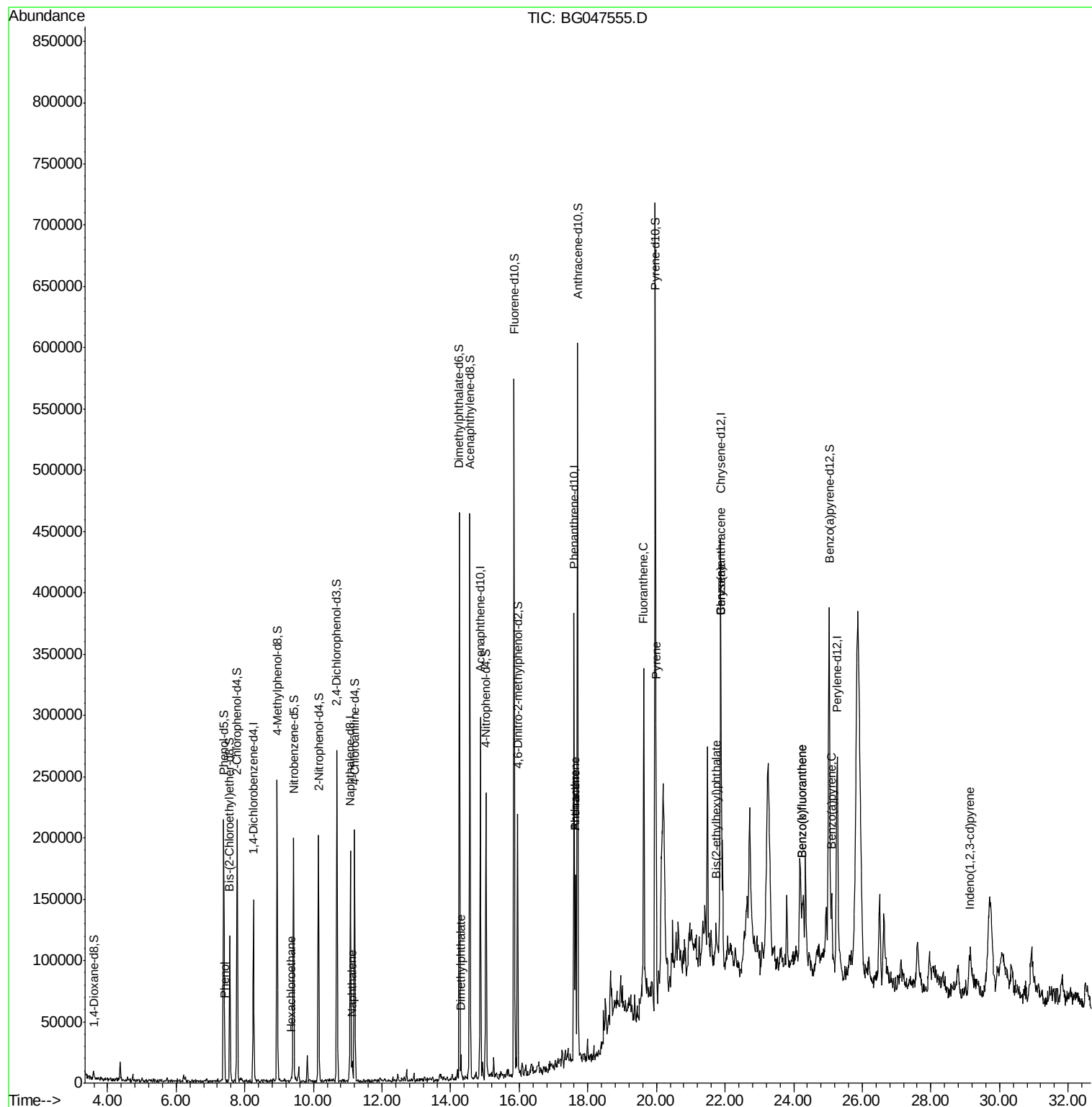
					Ovalue
6) Phenol	7.42	94	3596	1.050 ng/ul#	90
17) Hexachloroethane	9.35	117	1723	1.516 ng/ul#	1
28) Naphthalene	11.12	128	11882	1.495 ng/ul	97
45) Dimethylphthalate	14.30	163	9342	1.069 ng/ul	97
70) Phenanthrene	17.64	178	100235	8.234 ng/ul	98
72) Anthracene	17.64	178	100174	8.171 ng/ul	99
77) Fluoranthene	19.63	202	164263	10.685 ng/ul	99
80) Pyrene	19.99	202	134063	9.622 ng/ul#	98
83) Benzo(a)anthracene	21.86	228	83768	5.986 ng/ul	95
84) Bis(2-ethylhexyl)phthalate	21.74	149	7309	1.072 ng/ul#	90
85) Chrysene	21.86	228	83768	6.290 ng/ul	97
88) Benzo(b)fluoranthene	24.24	252	35154	2.375 ng/ul	98
89) Benzo(k)fluoranthene	24.24	252	35154	2.410 ng/ul	99
91) Benzo(a)pyrene	25.11	252	71956	5.453 ng/ul#	98
92) Indeno(1,2,3-cd)pyrene	29.14	276	27468	1.711 ng/ul#	90

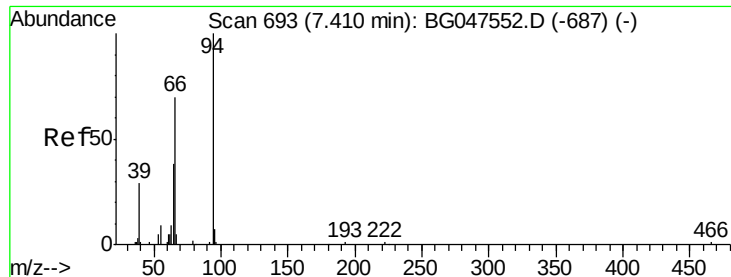
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#6

Phenol

Concen: 1.050 ng/ul

RT: 7.42 min Scan# 694

Delta R.T. 0.01 min

Lab File: BG047555.D

Acq: 4 Dec 2020 2:51

Instrument :

BNA_G

ClientSampleId :

CB7Z6

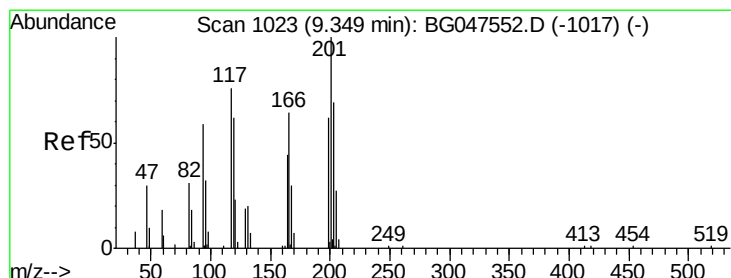
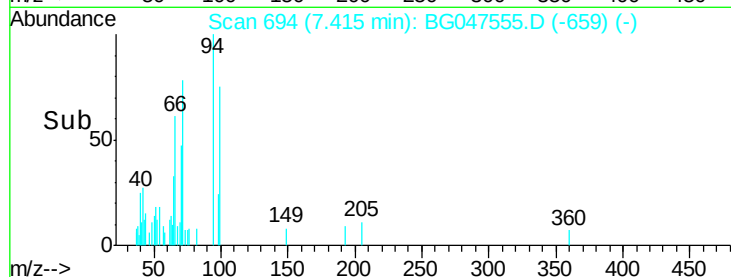
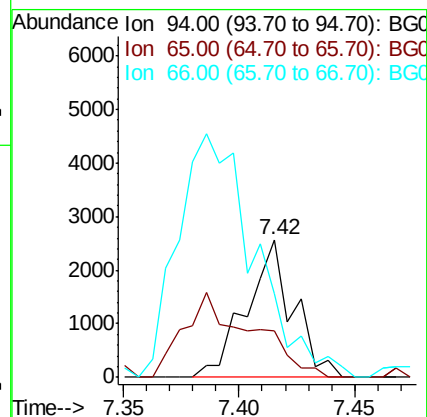
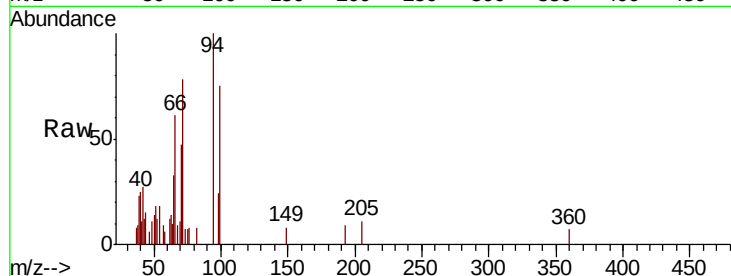
Tot Ion: 94 Resp: 3596

Ion Ratio Lower Upper

94 100

65 33.4 33.8 50.6#

66 60.6 53.5 80.3



#17

Hexachloroethane

Concen: 1.516 ng/ul

RT: 9.35 min Scan# 1024

Delta R.T. 0.01 min

Lab File: BG047555.D

Acq: 4 Dec 2020 2:51

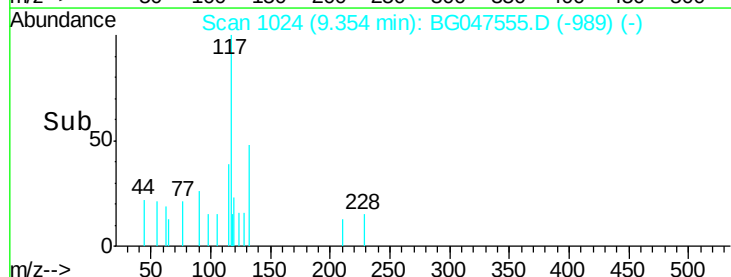
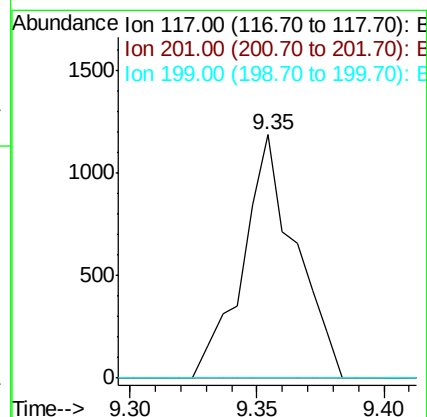
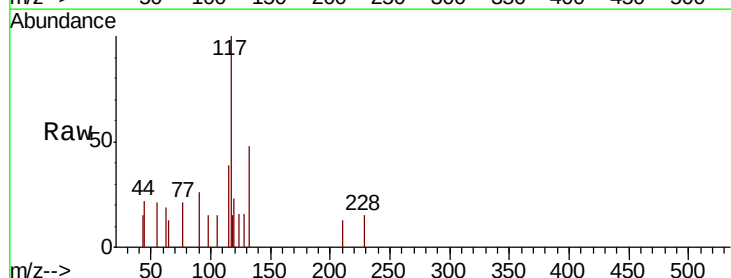
Tgt Ion: 117 Resp: 1723

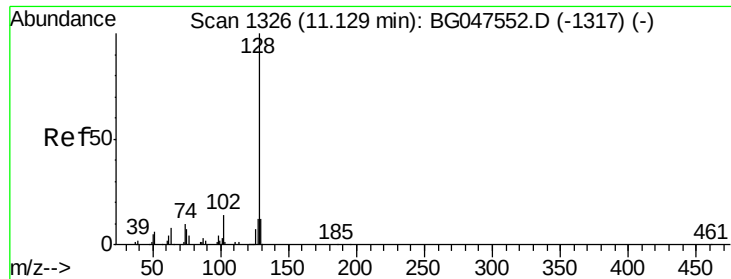
Ion Ratio Lower Upper

117 100

201 0.0 114.7 172.1#

199 0.0 71.2 106.8#

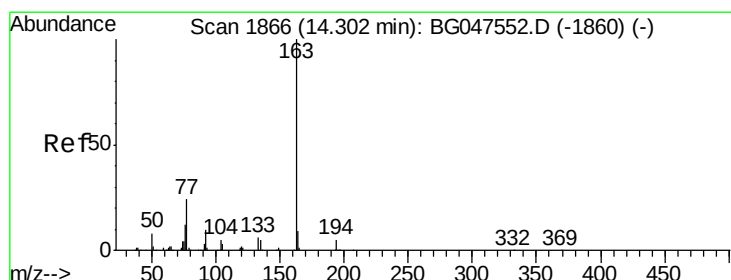
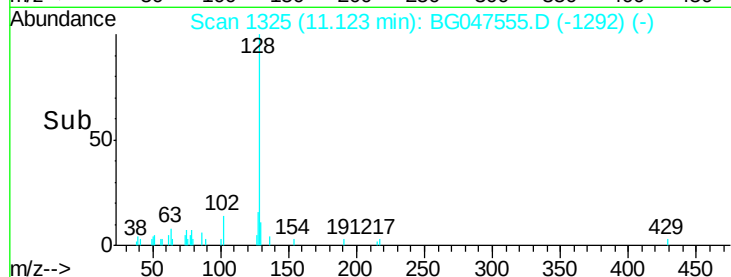
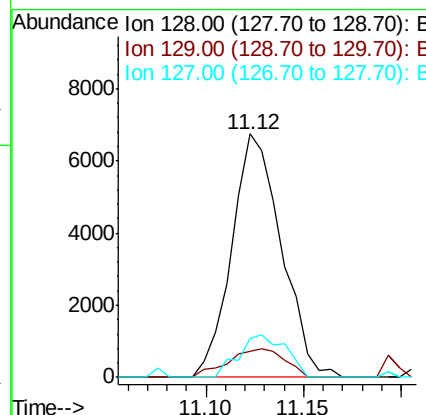
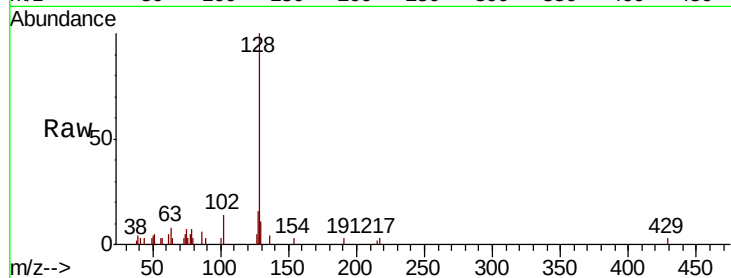




#28
Naphthalene
Concen: 1.495 ng/ul
RT: 11.12 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG047555.D
Acq: 4 Dec 2020 2:51

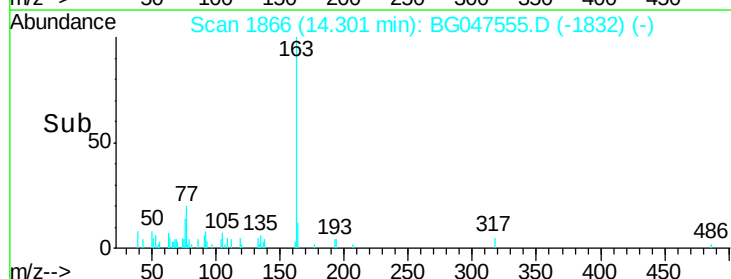
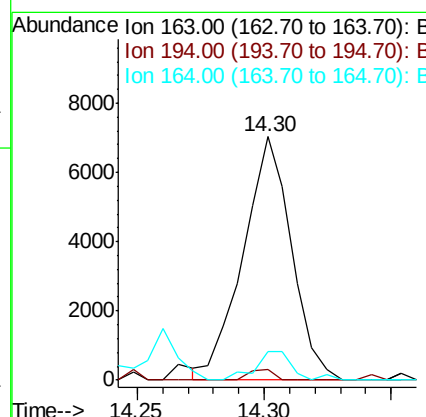
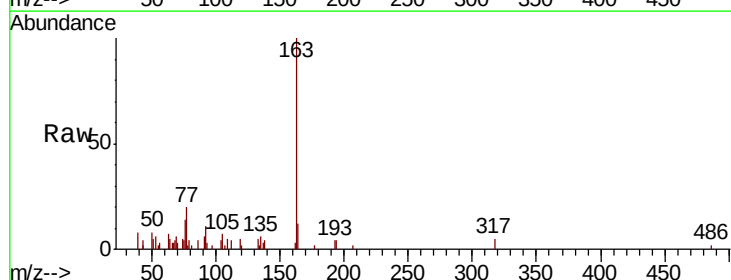
Instrument :
BNA_G
ClientSampleId :
CB7Z6

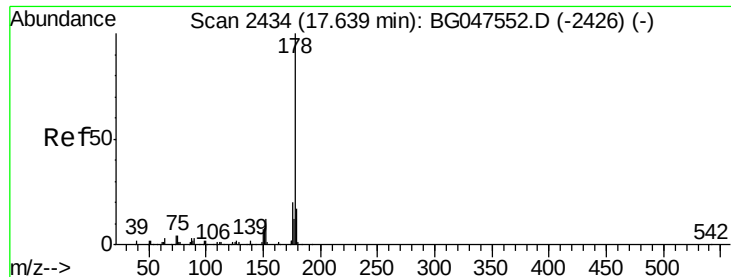
Tot Ion:128 Resp: 11882
Ion Ratio Lower Upper
128 100
129 10.7 8.6 13.0
127 15.8 10.7 16.1



#45
Dimethylphthalate
Concen: 1.069 ng/ul
RT: 14.30 min Scan# 1866
Delta R.T. -0.00 min
Lab File: BG047555.D
Acq: 4 Dec 2020 2:51

Tgt Ion:163 Resp: 9342
Ion Ratio Lower Upper
163 100
194 4.4 3.6 5.4
164 11.7 8.0 12.0





#70

Phenanthrene

Concen: 8.234 ng/ul

RT: 17.64 min Scan# 2434

Delta R.T. -0.00 min

Lab File: BG047555.D

Acq: 4 Dec 2020 2:51

Instrument :

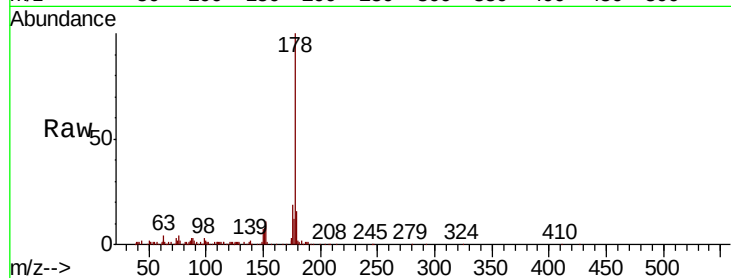
BNA_G

ClientSampleId :

CB7Z6

Tot Ion:178 Resp: 100235

Ion	Ratio	Lower	Upper
178	100		
179	16.4	12.3	18.5
176	19.2	15.0	22.4

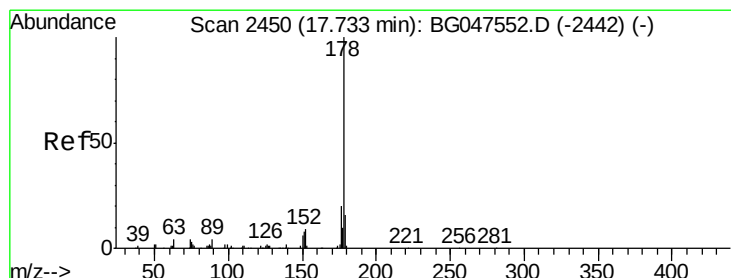
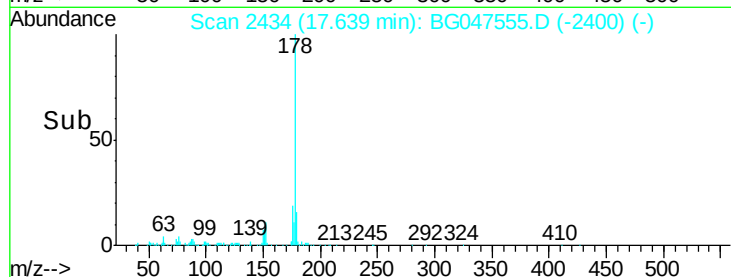
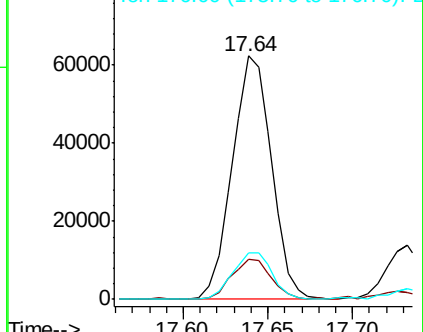


Abundance

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: 8.171 ng/ul

RT: 17.64 min Scan# 2434

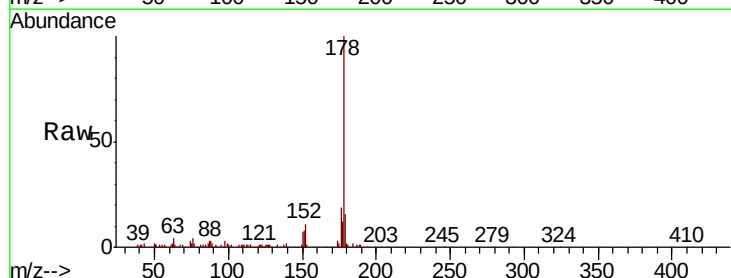
Delta R.T. -0.09 min

Lab File: BG047555.D

Acq: 4 Dec 2020 2:51

Tgt Ion:178 Resp: 100174

Ion	Ratio	Lower	Upper
178	100		
179	16.4	12.4	18.6
176	19.2	15.3	22.9

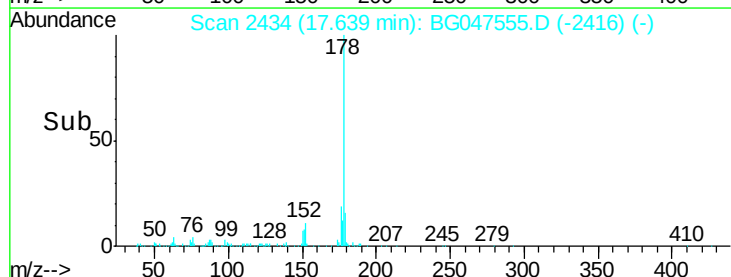
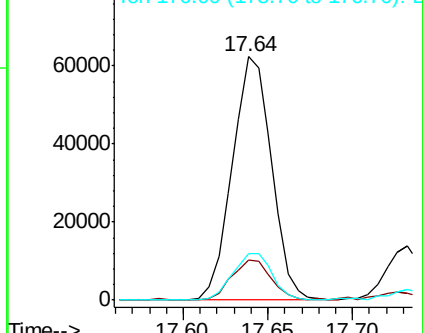


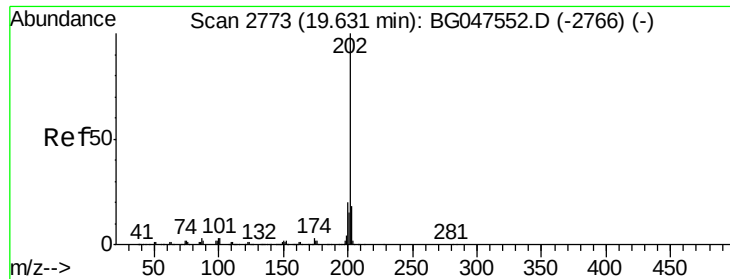
Abundance

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: 10.685 ng/ul

RT: 19.63 min Scan# 2773

Delta R.T. -0.00 min

Lab File: BG047555.D

Acq: 4 Dec 2020 2:51

Instrument :

BNA_G

ClientSampleId :

CB7Z6

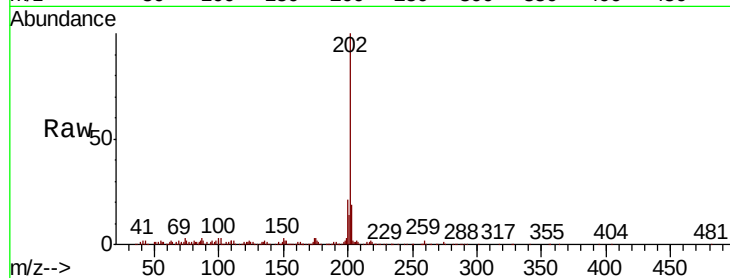
Tot Ion:202 Resp: 164263

Ion Ratio Lower Upper

202 100

101 3.0 2.8 4.2

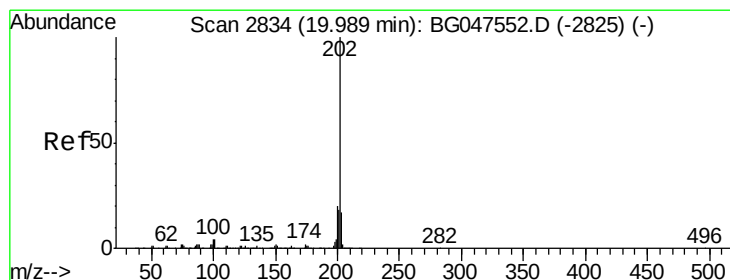
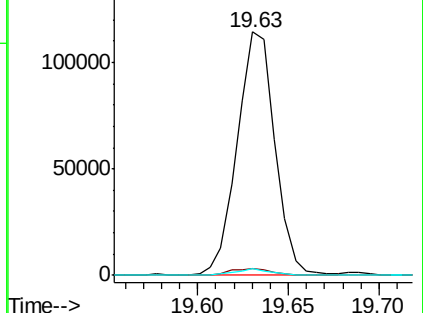
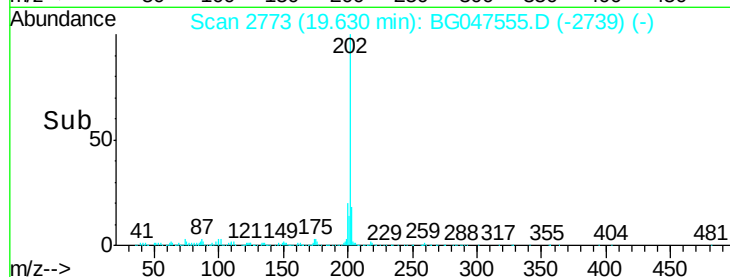
100 2.8 2.6 3.8



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: 9.622 ng/ul

RT: 19.99 min Scan# 2834

Delta R.T. -0.01 min

Lab File: BG047555.D

Acq: 4 Dec 2020 2:51

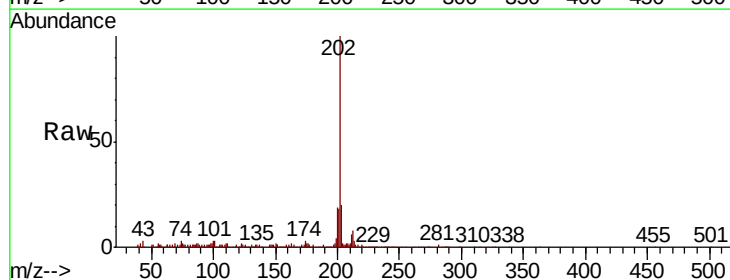
Tgt Ion:202 Resp: 134063

Ion Ratio Lower Upper

202 100

101 3.5 3.8 5.6#

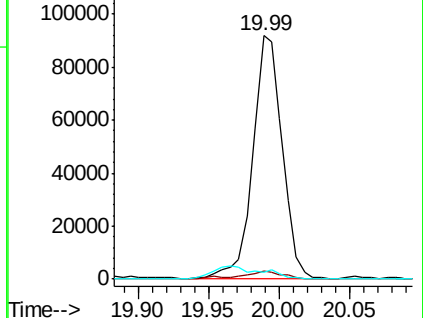
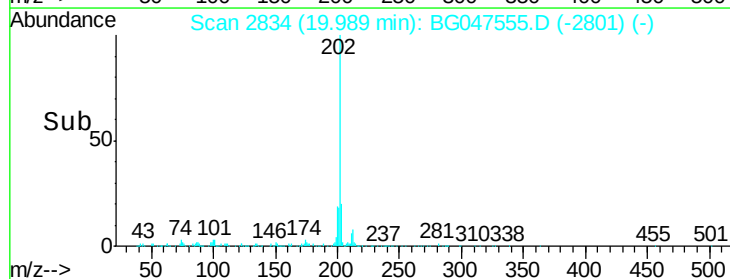
100 2.8 2.2 3.4

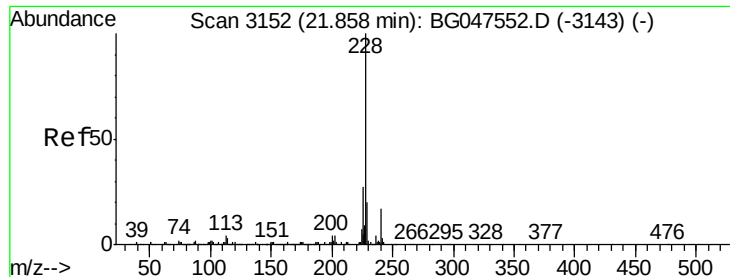


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 5.986 ng/ul

RT: 21.86 min Scan# 3152

Delta R.T. -0.00 min

Lab File: BG047555.D

Acq: 4 Dec 2020 2:51

Instrument :

BNA_G

ClientSampleId :

CB7Z6

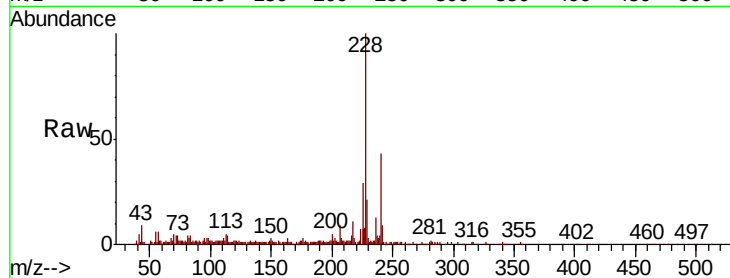
Tot Ion:228 Resp: 83768

Ion Ratio Lower Upper

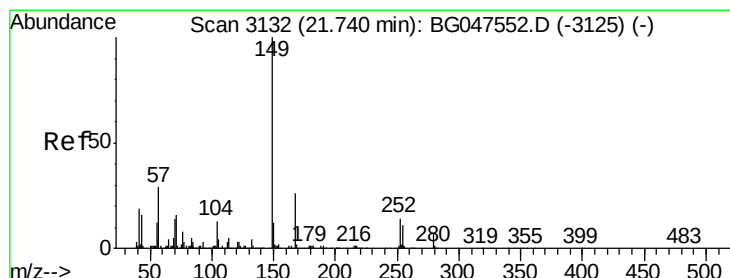
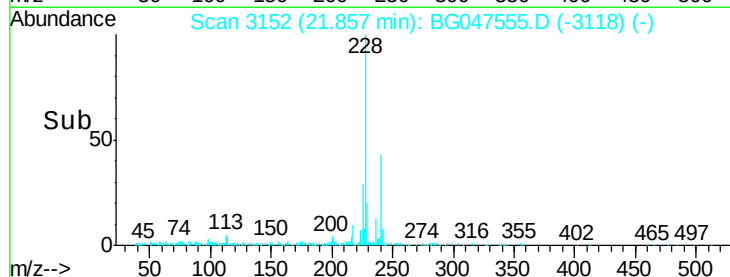
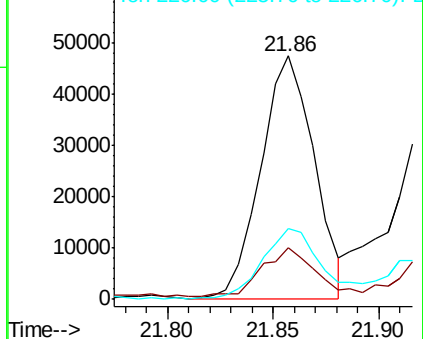
228 100

229 21.5 14.7 22.1

226 29.0 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: 1.072 ng/ul

RT: 21.74 min Scan# 3132

Delta R.T. -0.01 min

Lab File: BG047555.D

Acq: 4 Dec 2020 2:51

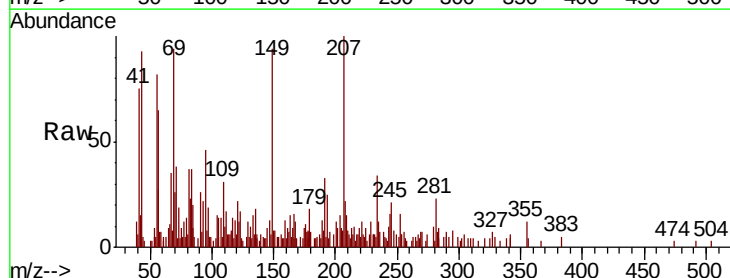
Tgt Ion:149 Resp: 7309

Ion Ratio Lower Upper

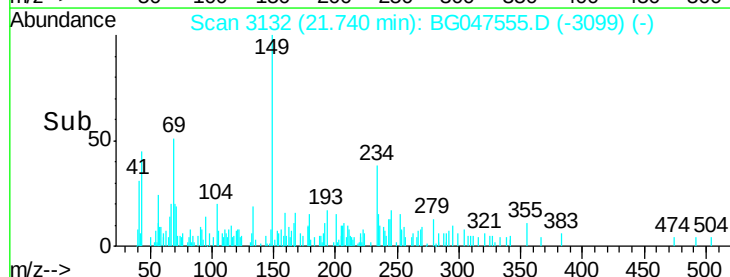
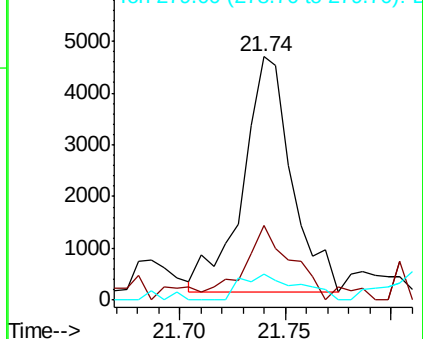
149 100

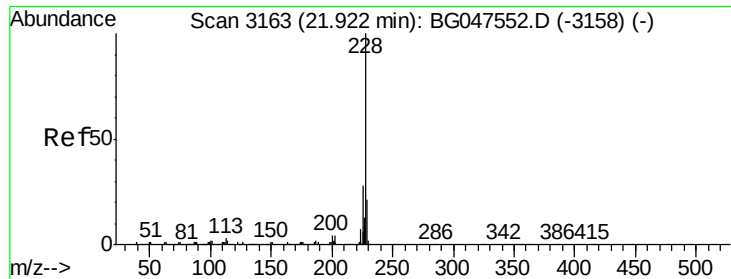
167 30.6 20.9 31.3

279 10.8 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





#85

Chrysene

Concen: 6.290 ng/ul

RT: 21.86 min Scan# 3152

Delta R.T. -0.07 min

Lab File: BG047555.D

Acq: 4 Dec 2020 2:51

Instrument :

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ClientSampleId :

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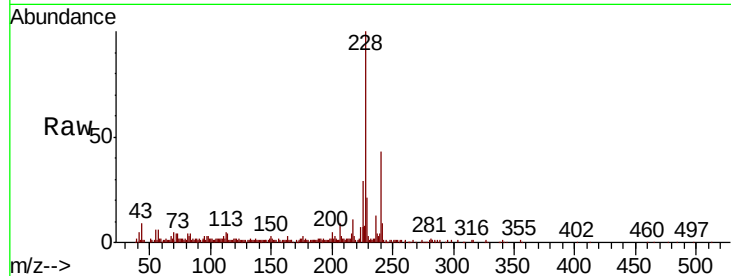
Tot Ion:228 Resp: 83768

Ion Ratio Lower Upper

228 100

226 29.0 23.8 35.6

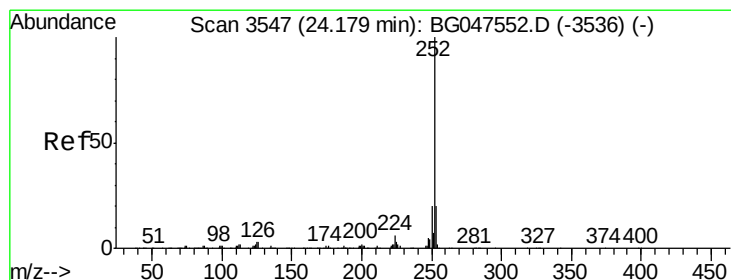
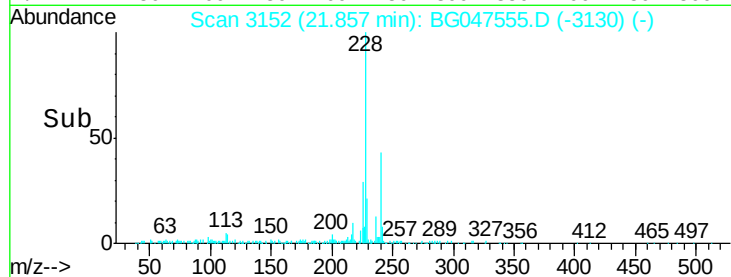
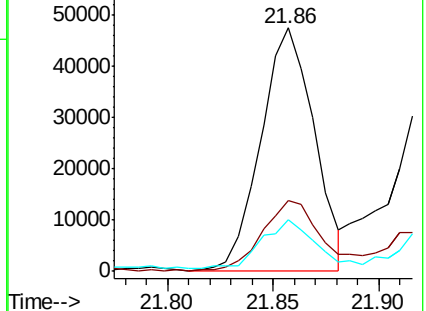
229 21.5 15.5 23.3



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



#88

Benzo(b)fluoranthene

Concen: 2.375 ng/ul

RT: 24.24 min Scan# 3558

Delta R.T. 0.06 min

Lab File: BG047555.D

Acq: 4 Dec 2020 2:51

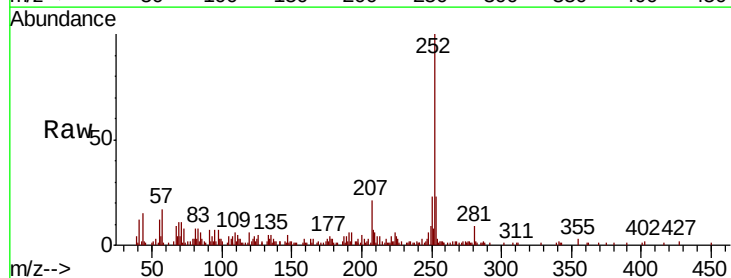
Tgt Ion:252 Resp: 35154

Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

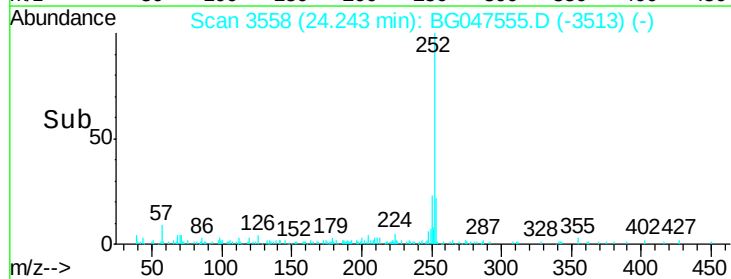
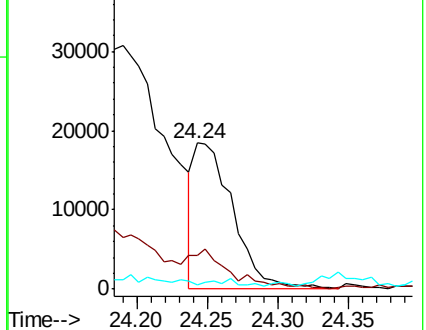
125 2.9 2.4 3.6

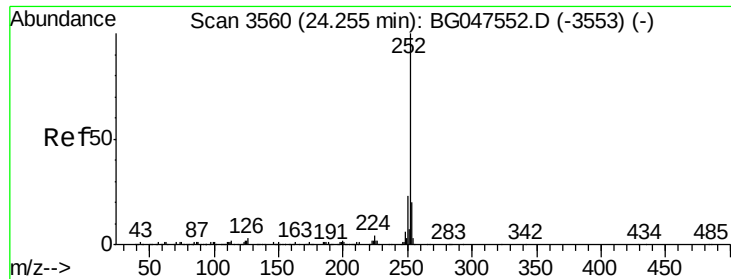


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 2.410 ng/ul

RT: 24.24 min Scan# 3558

Delta R.T. -0.01 min

Lab File: BG047555.D

Acq: 4 Dec 2020 2:51

Instrument :

BNA_G

ClientSampleId :

CB7Z6

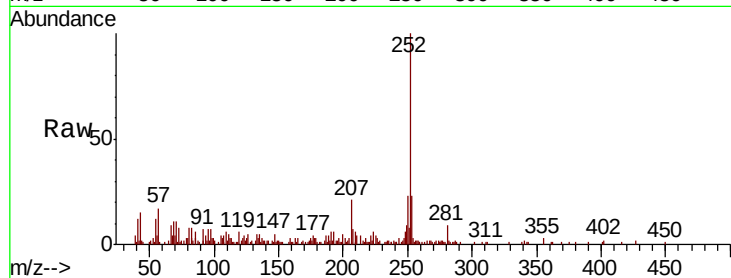
Tot Ion:252 Resp: 35154

Ion Ratio Lower Upper

252 100

253 23.3 19.0 28.4

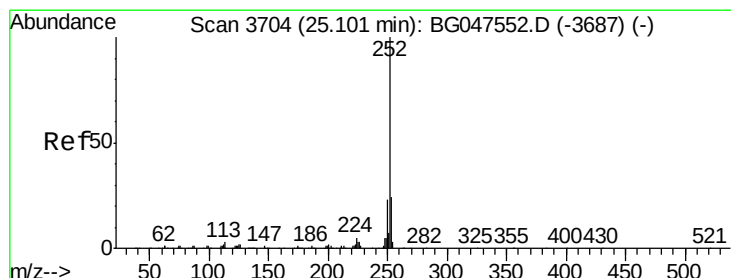
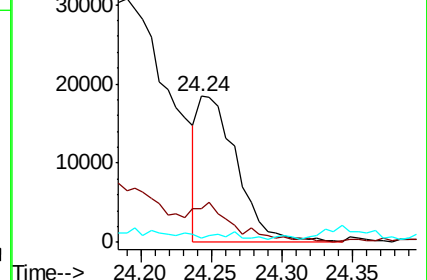
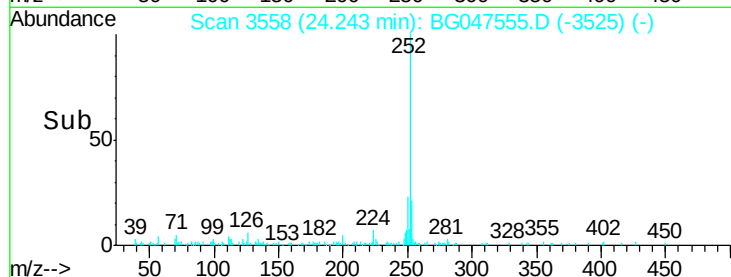
125 2.9 2.2 3.4



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: 5.453 ng/ul

RT: 25.11 min Scan# 3705

Delta R.T. 0.01 min

Lab File: BG047555.D

Acq: 4 Dec 2020 2:51

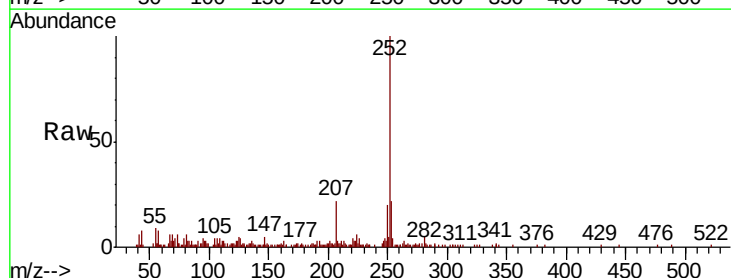
Tgt Ion:252 Resp: 71956

Ion Ratio Lower Upper

252 100

253 22.4 17.3 25.9

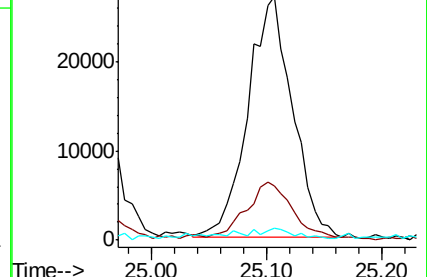
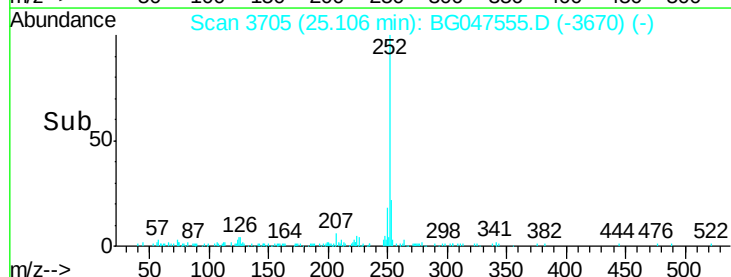
125 4.7 2.3 3.5#

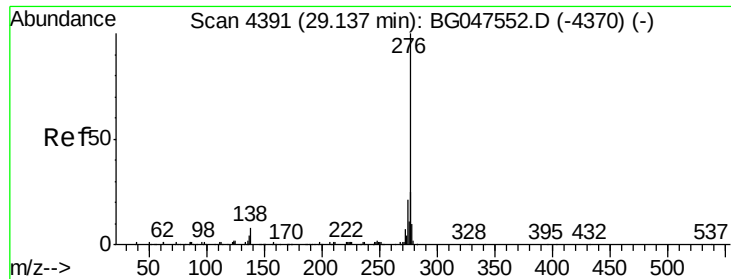


Abundance Ion 252.00 (251.70 to 252.70): E

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: 1.711 ng/ul
 RT: 29.14 min Scan# 4391
 Delta R.T. -0.00 min
 Lab File: BG047555.D
 Acq: 4 Dec 2020 2:51

Instrument :
 BNA_G
 ClientSampleId :
 CB7Z6

Tot Ion	Ratio	Lower	Upper
276	100		
138	8.4	3.7	5.5#
277	18.4	18.2	27.4

