

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121120\
 Data File : BG047725.D
 Acq On : 11 Dec 2020 22:31
 Operator : CG/JU
 Sample : PB133360BL
 Misc : ME-SOIL-BL-02
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SBLK360

Quant Time: Dec 12 00:02:45 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG121120.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 11 23:58:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	31601	20.00	ng/ul	0.00
20) Naphthalene-d8	11.03	136	121267	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.83	164	95220	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.57	188	248509	20.00	ng/ul	0.00
79) Chrysene-d12	21.84	240	273474	20.00	ng/ul	0.00
88) Perylene-d12	25.19	264	270213	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.52	96	5101	7.10	ng/uL	0.00
4) Pyridine-d5	3.95	84	76648	37.59	ng/ul	0.00
7) Phenol-d5	7.34	99	103167	38.91	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	7.52	67	56102	40.17	ng/ul	0.00
11) 2-Chlorophenol-d4	7.73	132	76461	38.14	ng/ul	0.00
15) 4-Methylphenol-d8	8.90	113	81181	40.27	ng/ul	0.00
21) Nitrobenzene-d5	9.37	128	39785	38.99	ng/ul	0.00
24) 2-Nitrophenol-d4	10.10	143	49588	42.69	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.64	165	93445	38.09	ng/ul	0.00
31) 4-Chloroaniline-d4	11.16	131	113270	39.67	ng/ul	0.00
46) Dimethylphthalate-d6	14.22	166	341134	43.41	ng/ul	0.00
49) Acenaphthylene-d8	14.52	160	351382	39.10	ng/ul	0.00
54) 4-Nitrophenol-d4	15.06	143	549	0.46	ng/ul	0.06
60) Fluorene-d10	15.81	176	298214	40.65	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	15.92	200	63518	37.35	ng/ul	0.00
73) Anthracene-d10	17.57	188	248509	20.57	ng/ul	-0.10
81) Pyrene-d10	19.93	212	612759	41.39	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.96	264	631517	41.65	ng/ul	0.00

Target Compounds

					Ovalue
2) 1,4-Dioxane	3.59	88	136	0.184	ng/uL# 21
6) Benzaldehyde	7.34	77	153	0.126	ng/ul# 7
14) 2,2'-oxybis(1-Chloropropan	8.88	45	90	0.053	ng/ul# 54
17) N-Nitroso-di-n-propylamine	8.90	70	3107	1.671	ng/ul# 1
22) Nitrobenzene	9.37	77	1093	0.360	ng/ul# 47
23) Isophorone	10.10	82	7832	1.484	ng/ul# 73
47) Dimethylphthalate	14.24	163	94	0.012	ng/ul# 77
61) Fluorene	15.81	166	834	0.111	ng/ul# 6
63) 4-Nitroaniline	15.92	138	167	0.145	ng/ul# 1
66) 4,6-Dinitro-2-methylphenol	15.93	198	110	0.064	ng/ul# 1
67) N-Nitrosodiphenylamine	15.94	169	54	0.008	ng/ul# 24
72) Phenanthrene	17.65	178	75	0.006	ng/ul# 1
74) Anthracene	17.67	178	169	0.013	ng/ul# 1
78) Di-n-butylphthalate	18.50	149	143	0.011	ng/ul# 8
82) Pyrene	19.93	202	1150	0.062	ng/ul# 1
83) Butylbenzylphthalate	20.96	149	59	0.009	ng/ul# 52
85) Benzo(a)anthracene	21.83	228	998	0.052	ng/ul# 83
86) Bis(2-ethylhexyl)phthalate	21.70	149	179	0.020	ng/ul# 50
87) Chrysene	21.83	228	998	0.054	ng/ul# 81
89) Di-n-octyl phthalate	22.95	149	201	0.014	ng/ul 100
90) Benzo(b)fluoranthene	24.20	252	269	0.014	ng/ul# 1
91) Benzo(k)fluoranthene	24.20	252	269	0.014	ng/ul# 1

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Response via : Initial Calibration

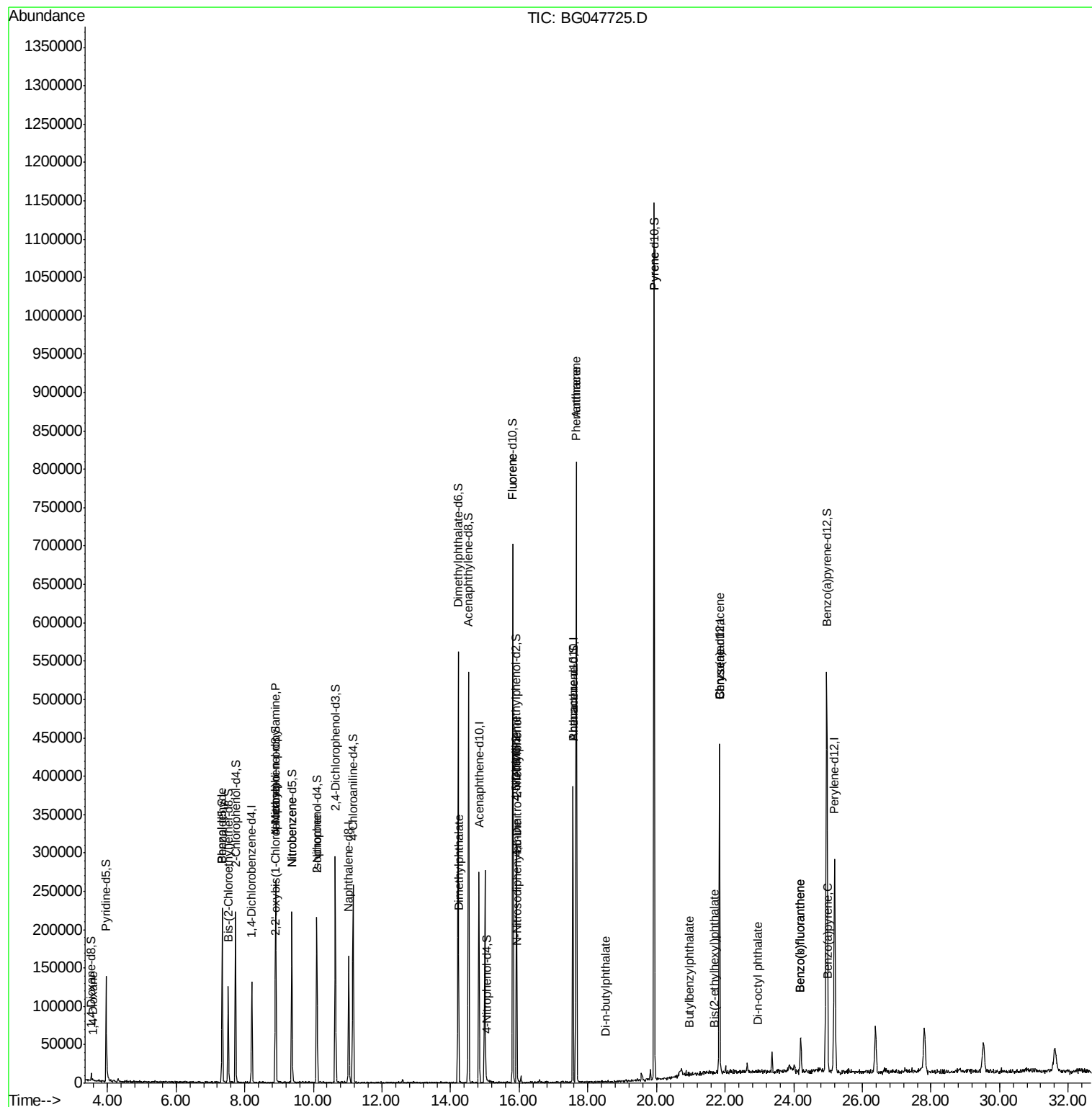
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Benzo(a)pyrene	25.00	252	54	0.003	ng/ul#	59

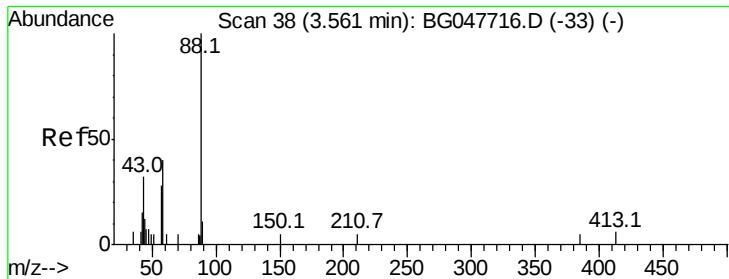
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.184 ng/uL

RT: 3.59 min Scan# 43

Delta R.T. 0.04 min

Lab File: BG047725.D

Acq: 11 Dec 2020 22:31

Instrument :

BNA_G

ClientSampleId :

SBLK360

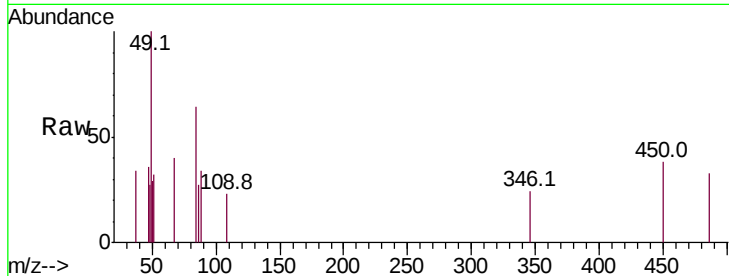
Tot Ion: 88 Resp: 136

Ion Ratio Lower Upper

88 100

43 0.0 40.6 61.0#

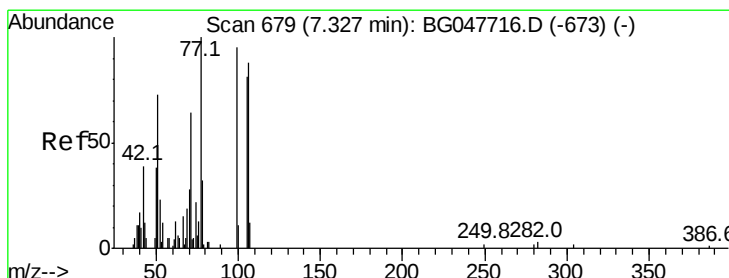
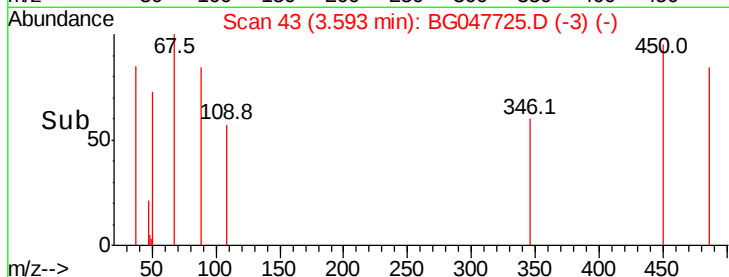
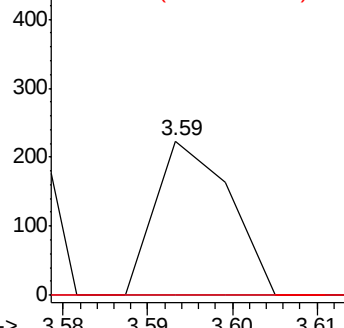
58 0.0 54.0 81.0#



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



#6

Benzaldehyde

Concen: 0.126 ng/uL

RT: 7.34 min Scan# 680

Delta R.T. 0.01 min

Lab File: BG047725.D

Acq: 11 Dec 2020 22:31

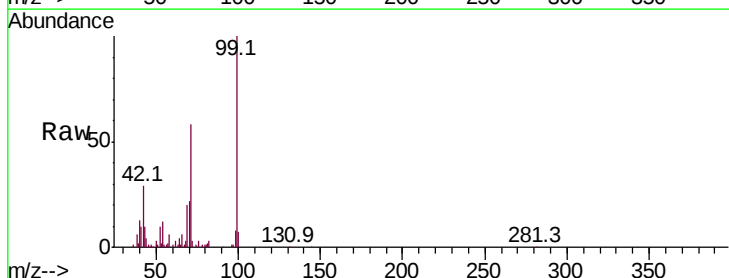
Tgt Ion: 77 Resp: 153

Ion Ratio Lower Upper

77 100

105 0.0 67.9 101.9#

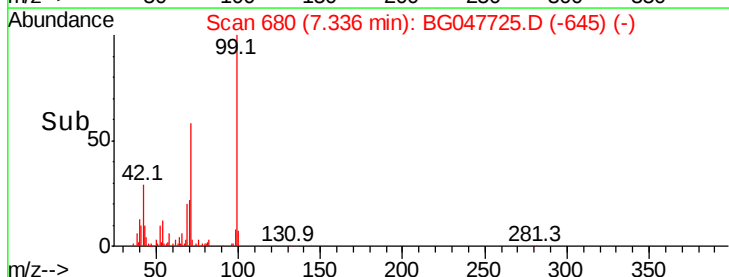
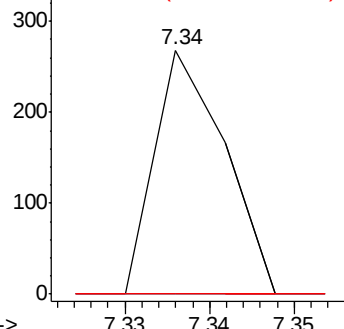
106 0.0 68.1 102.1#

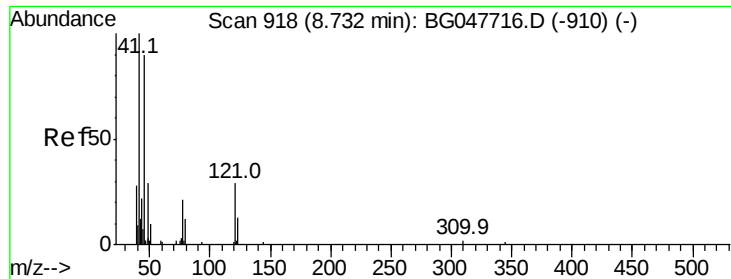


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC

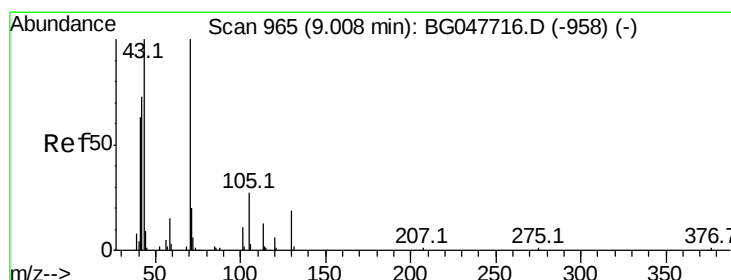
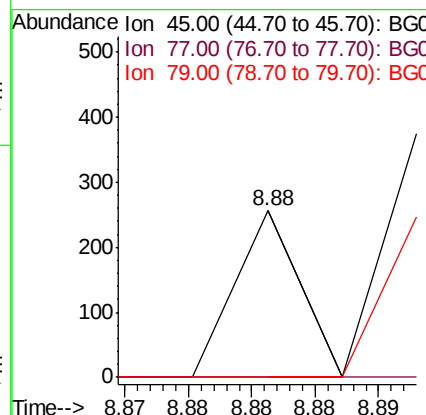
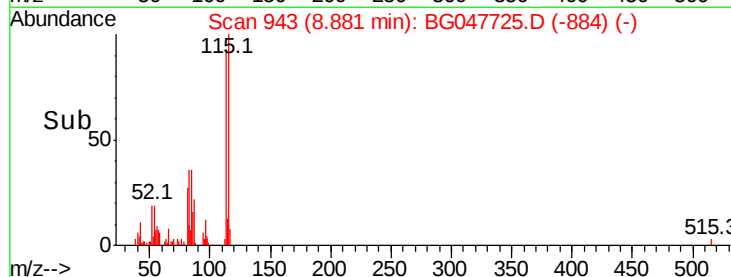
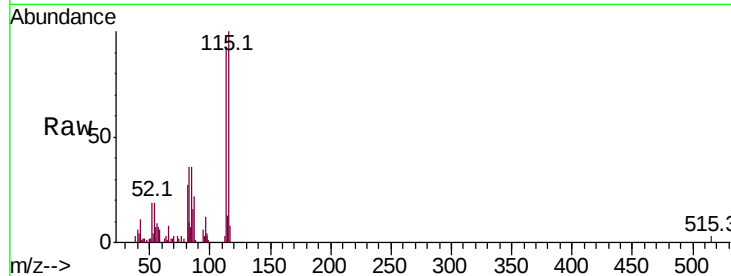




#14
2,2'-oxvbis(1-Chloropropane)
Concen: 0.053 ng/ul
RT: 8.88 min Scan# 943
Delta R.T. 0.15 min
Lab File: BG047725.D
Acq: 11 Dec 2020 22:31

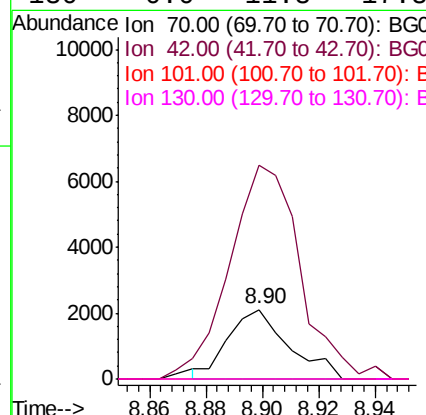
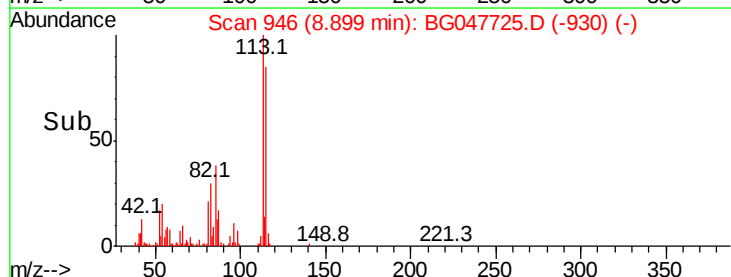
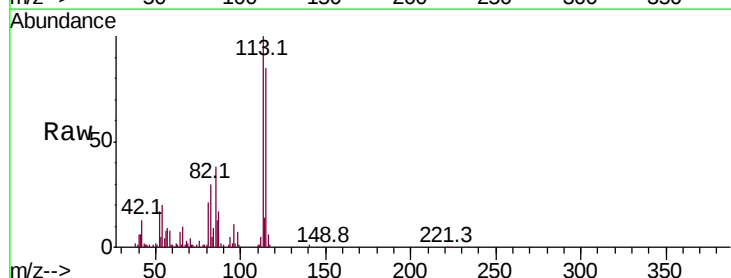
Instrument :
BNA_G
ClientSampleId :
SBLK360

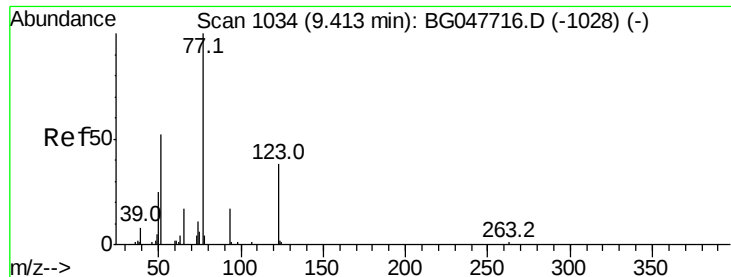
Tot Ion: 45 Resp: 90
Ion Ratio Lower Upper
45 100
77 0.0 18.3 27.5#
79 0.0 17.0 25.6#



#17
N-Nitroso-di-n-propylamine
Concen: 1.671 ng/ul
RT: 8.90 min Scan# 946
Delta R.T. -0.10 min
Lab File: BG047725.D
Acq: 11 Dec 2020 22:31

Tgt Ion: 70 Resp: 3107
Ion Ratio Lower Upper
70 100
42 307.9 45.0 67.6#
101 0.0 7.0 10.4#
130 0.0 11.8 17.8#





#22

Nitrobenzene

Concen: 0.360 ng/ul

RT: 9.37 min Scan# 1027

Delta R.T. -0.04 min

Lab File: BG047725.D

Acq: 11 Dec 2020 22:31

Instrument :

BNA_G

ClientSampleId :

SBLK360

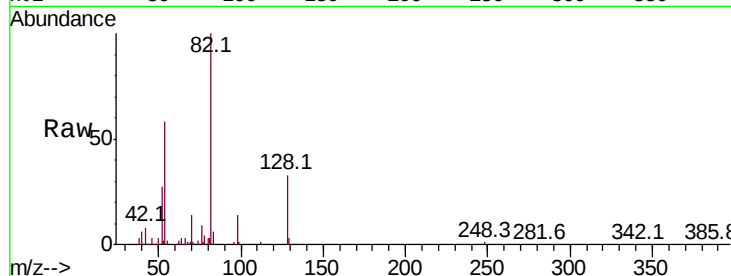
Tot Ion: 77 Resp: 1093

Ion Ratio Lower Upper

77 100

123 0.0 22.5 33.7#

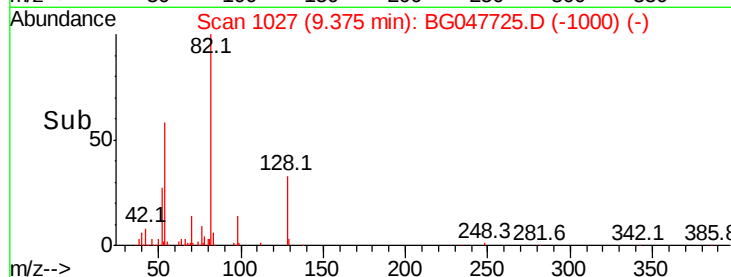
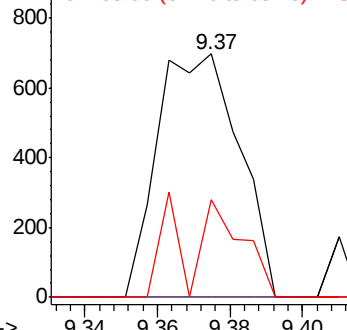
65 40.1 13.8 20.6#



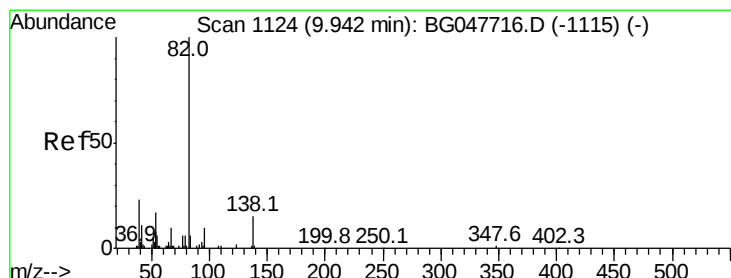
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC



Time-->



#23

Isophorone

Concen: 1.484 ng/ul

RT: 10.10 min Scan# 1151

Delta R.T. 0.17 min

Lab File: BG047725.D

Acq: 11 Dec 2020 22:31

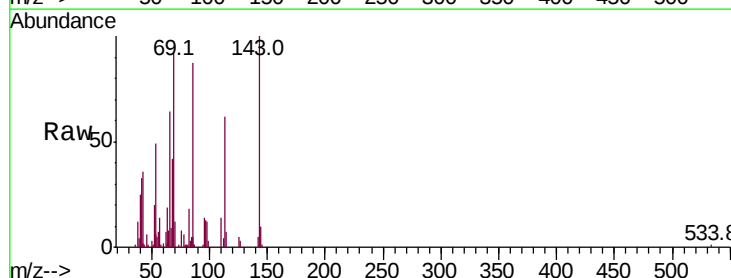
Tgt Ion: 82 Resp: 7832

Ion Ratio Lower Upper

82 100

95 5.7 8.7 13.1#

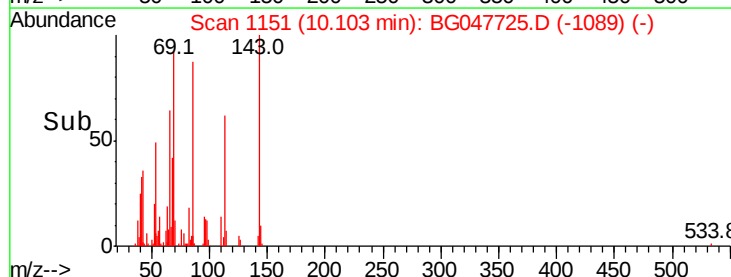
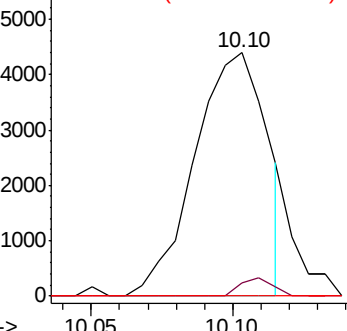
138 0.0 12.4 18.6#

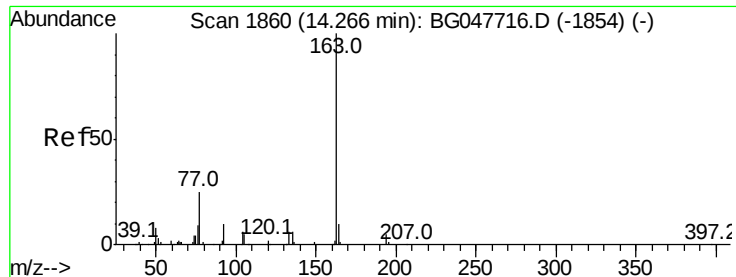


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 138.00 (137.70 to 138.70): BGC

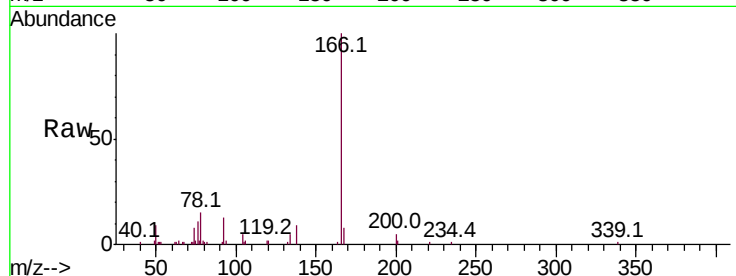




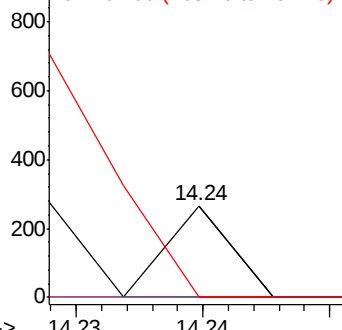
#47
Dimethylphthalate
Concen: 0.012 ng/ul
RT: 14.24 min Scan# 1855
Delta R.T. -0.03 min
Lab File: BG047725.D
Acq: 11 Dec 2020 22:31

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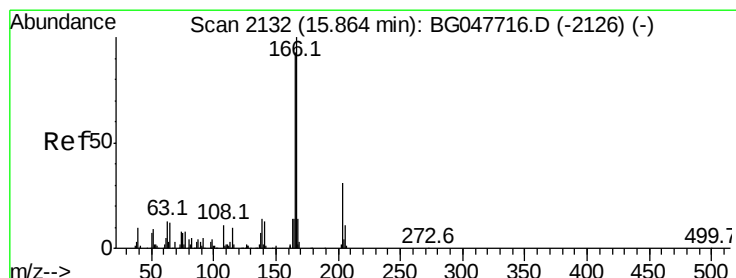
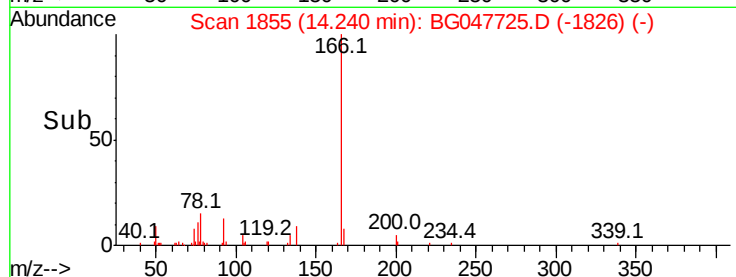
Tot Ion	Ratio	Lower	Upper
163	100		
194	0.0	3.4	5.2#
164	0.0	8.1	12.1#



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

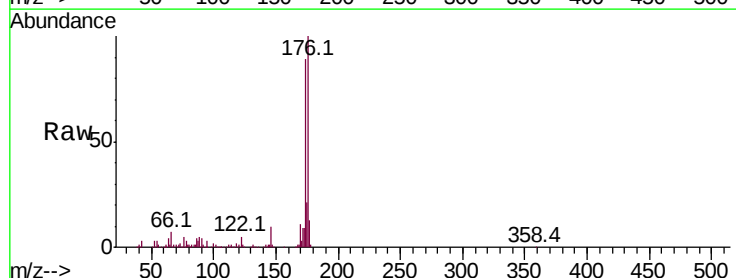


Time-->

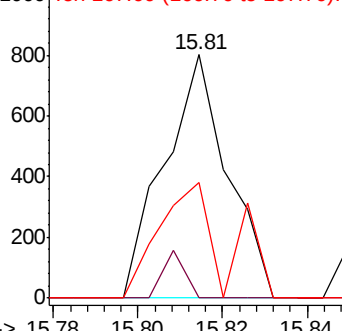


#61
Fluorene
Concen: 0.111 ng/ul
RT: 15.81 min Scan# 2123
Delta R.T. -0.06 min
Lab File: BG047725.D
Acq: 11 Dec 2020 22:31

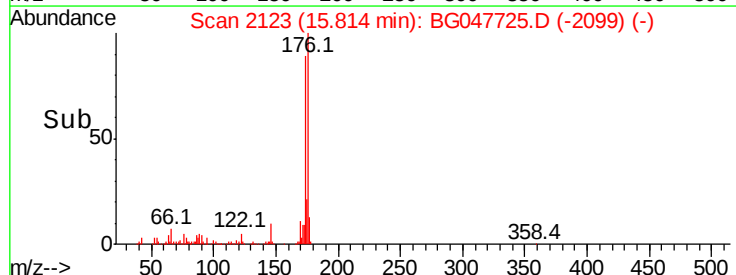
Tgt Ion	Ratio	Lower	Upper
166	100		
165	0.0	75.4	113.2#
167	47.3	12.3	18.5#

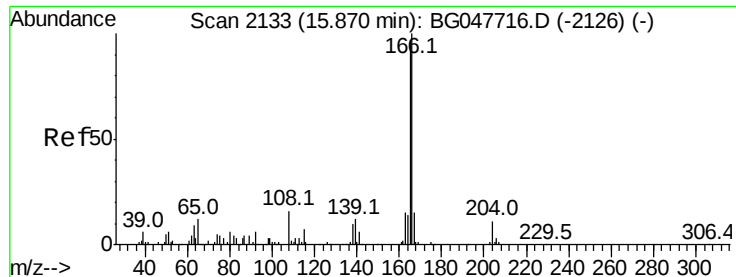


Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



Time-->

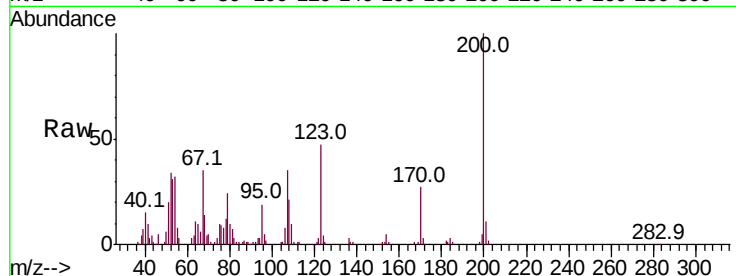




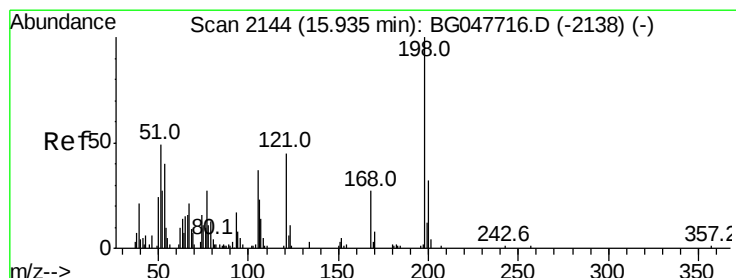
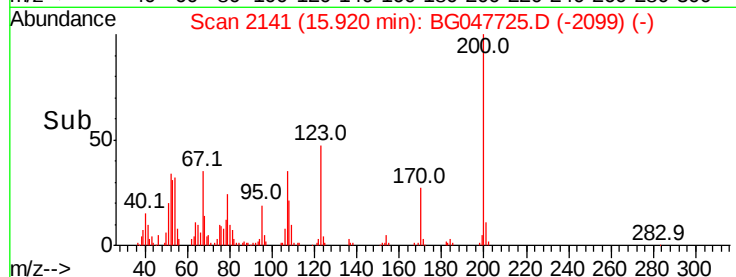
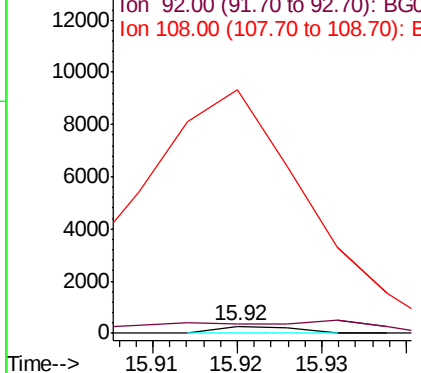
#63
4-Nitroaniline
Concen: 0.145 ng/ul
RT: 15.92 min Scan# 2141
Delta R.T. 0.05 min
Lab File: BG047725.D
Acq: 11 Dec 2020 22:31

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Tot Ion:138 Resp: 167
Ion Ratio Lower Upper
138 100
92 133.8 31.9 47.9#
108 3392.4 109.1 163.7#

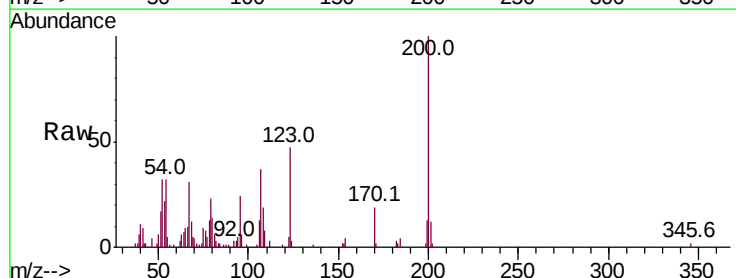


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BGC
Ion 108.00 (107.70 to 108.70): E

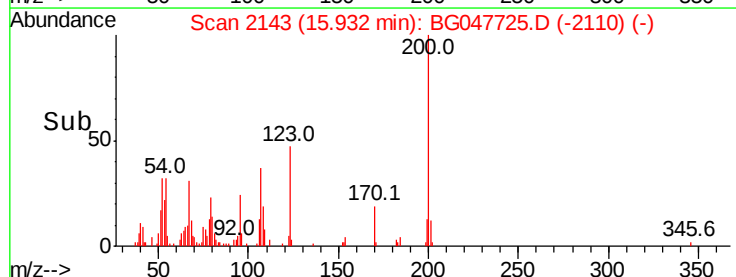
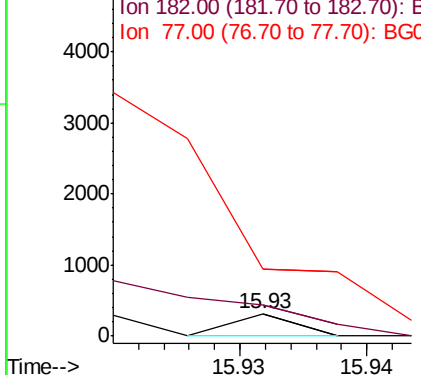


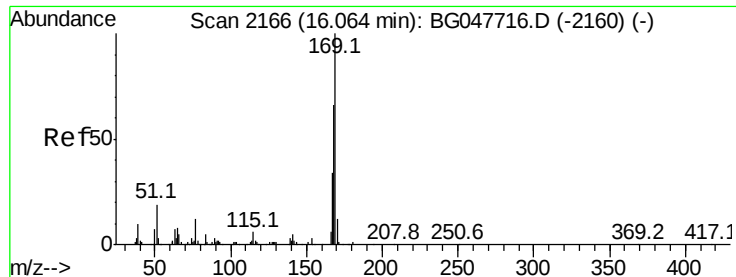
#66
4,6-Dinitro-2-methylphenol
Concen: 0.064 ng/ul
RT: 15.93 min Scan# 2143
Delta R.T. -0.00 min
Lab File: BG047725.D
Acq: 11 Dec 2020 22:31

Tgt Ion:198 Resp: 110
Ion Ratio Lower Upper
198 100
182 142.5 2.9 4.3#
77 301.6 26.1 39.1#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 77.00 (76.70 to 77.70): BGC

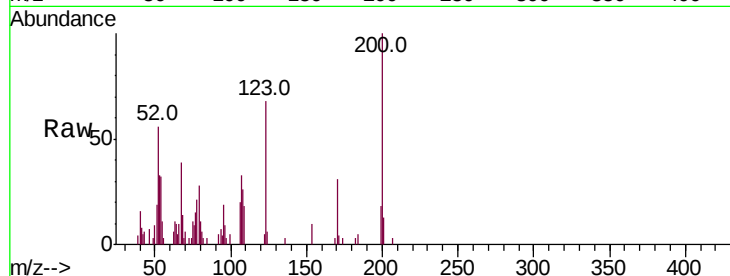




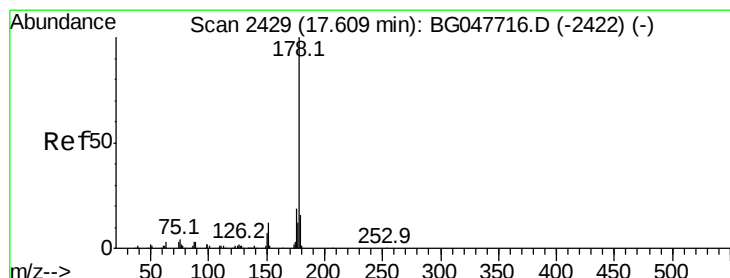
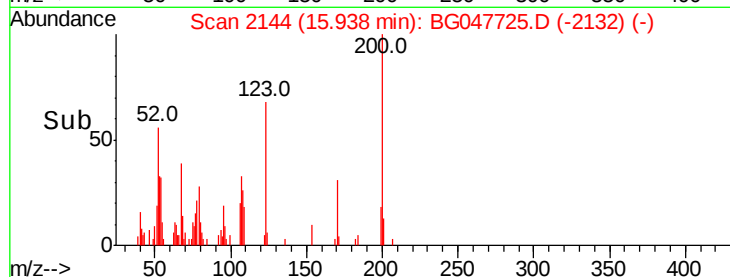
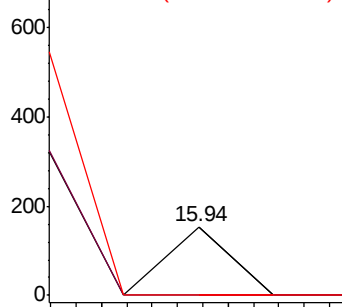
#67
N-Nitrosodiphenylamine
Concen: 0.008 ng/ul
RT: 15.94 min Scan# 2144
Delta R.T. -0.13 min
Lab File: BG047725.D
Acq: 11 Dec 2020 22:31

Instrument :
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Tot Ion	Ratio	Lower	Upper
169	100		
168	0.0	53.8	80.8#
167	0.0	29.8	44.8#

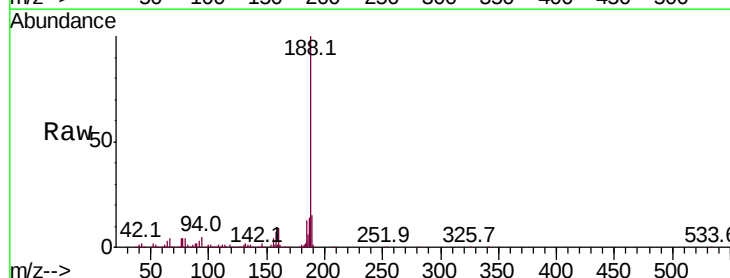


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

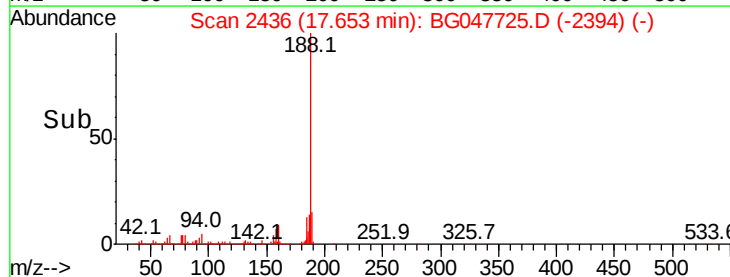
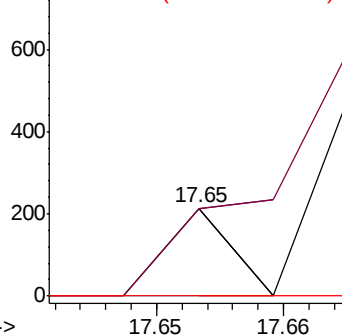


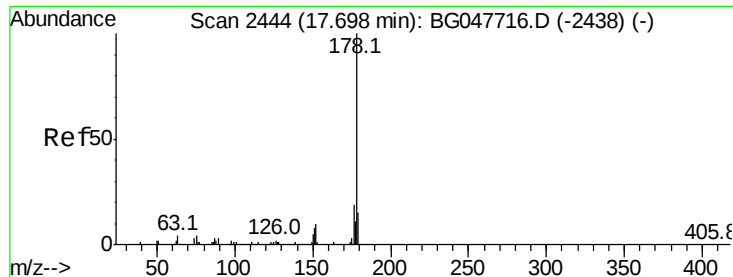
#72
Phenanthrene
Concen: 0.006 ng/ul
RT: 17.65 min Scan# 2436
Delta R.T. 0.05 min
Lab File: BG047725.D
Acq: 11 Dec 2020 22:31

Tgt Ion	Ratio	Lower	Upper
178	100		
179	98.6	13.5	20.3#
176	0.0	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





#74

Anthracene

Concen: 0.013 ng/ul

RT: 17.67 min Scan# 2438

Delta R.T. -0.03 min

Lab File: BG047725.D

Acq: 11 Dec 2020 22:31

Instrument :

BNA_G

ClientSampleId :

SBLK360

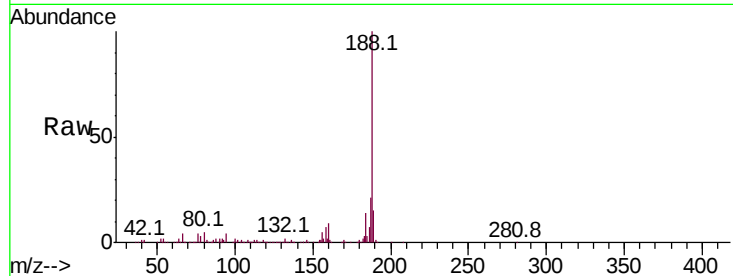
Tot Ion:178 Resp: 169

Ion Ratio Lower Upper

178 100

179 123.6 12.0 18.0#

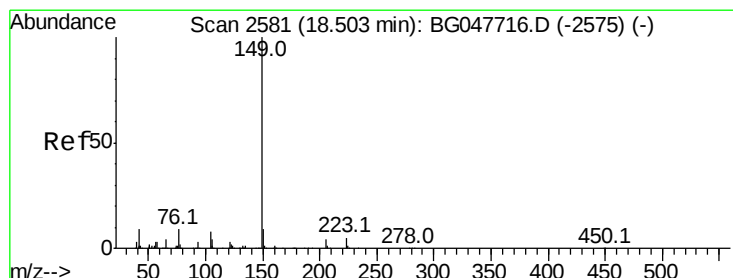
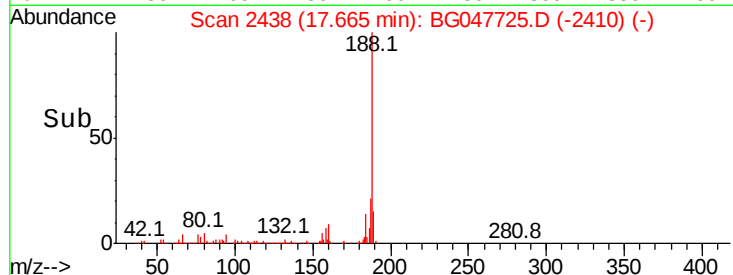
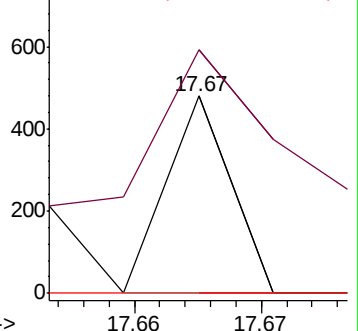
176 0.0 15.4 23.2#



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



#78

Di-n-butylphthalate

Concen: 0.011 ng/ul

RT: 18.50 min Scan# 2580

Delta R.T. -0.00 min

Lab File: BG047725.D

Acq: 11 Dec 2020 22:31

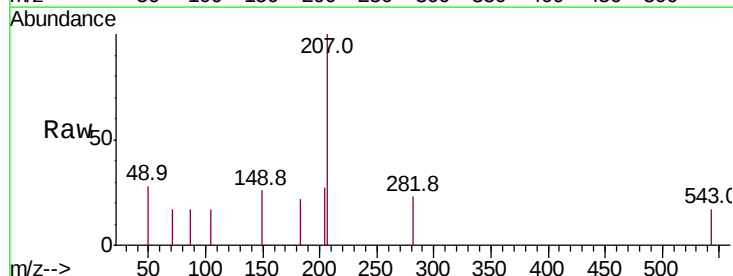
Tgt Ion:149 Resp: 143

Ion Ratio Lower Upper

149 100

150 0.0 7.3 10.9#

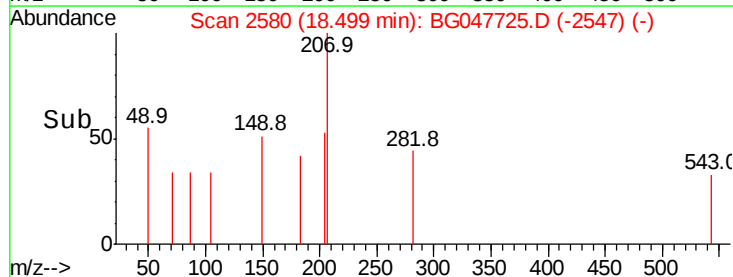
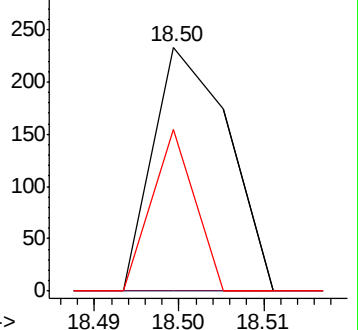
104 66.5 7.0 10.6#

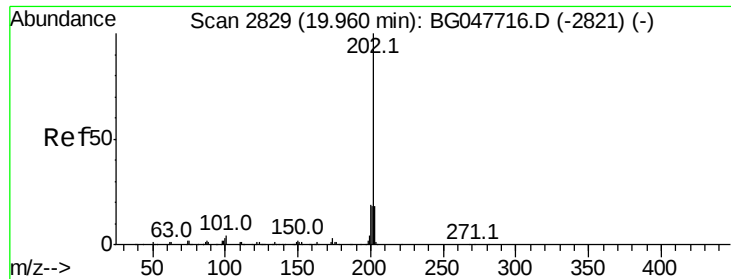


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#82

Pvrene

Concen: 0.062 ng/ul

RT: 19.93 min Scan# 2823

Delta R.T. -0.03 min

Lab File: BG047725.D

Acq: 11 Dec 2020 22:31

Instrument :

BNA_G

ClientSampleId :

SBLK360

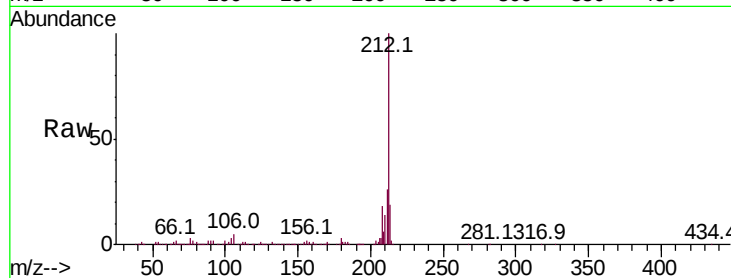
Tot Ion:202 Resp: 1150

Ion Ratio Lower Upper

202 100

101 77.4 3.8 5.6#

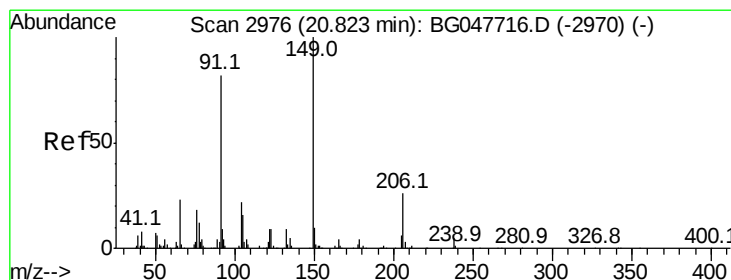
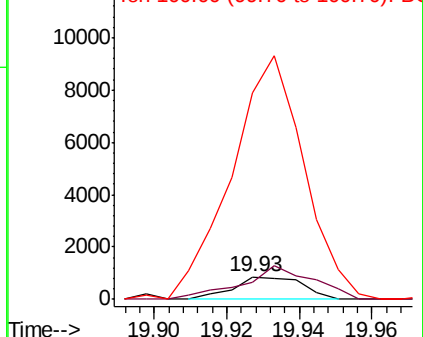
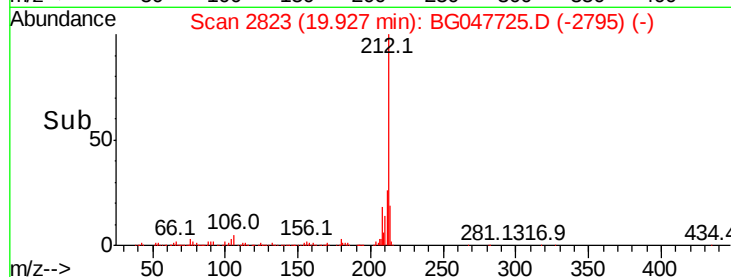
100 904.0 3.0 4.6#



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): E



#83

Butylbenzylphthalate

Concen: 0.009 ng/ul

RT: 20.96 min Scan# 2998

Delta R.T. 0.13 min

Lab File: BG047725.D

Acq: 11 Dec 2020 22:31

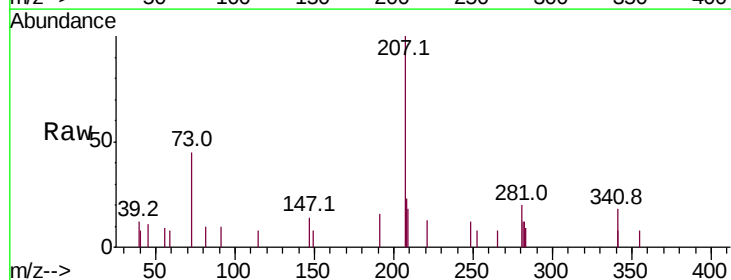
Tgt Ion:149 Resp: 59

Ion Ratio Lower Upper

149 100

91 122.6 64.6 97.0#

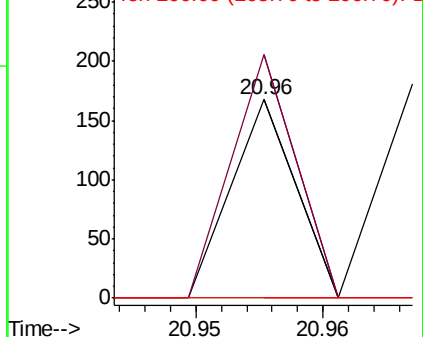
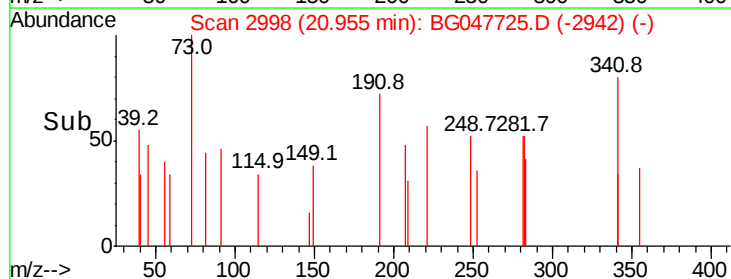
206 0.0 20.3 30.5#

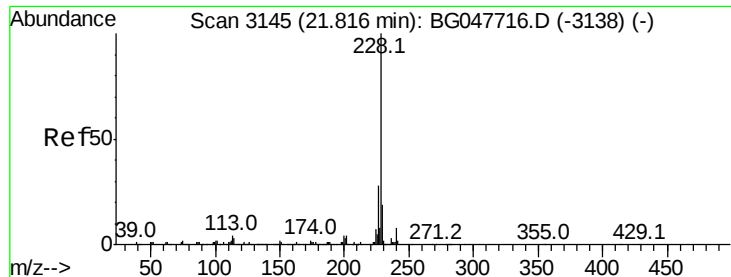


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): E

Ion 206.00 (205.70 to 206.70): E





#85

Benzo(a)anthracene

Concen: 0.052 ng/ul

RT: 21.83 min Scan# 3147

Delta R.T. 0.01 min

Lab File: BG047725.D

Acq: 11 Dec 2020 22:31

Instrument :

BNA_G

ClientSampleId :

SBLK360

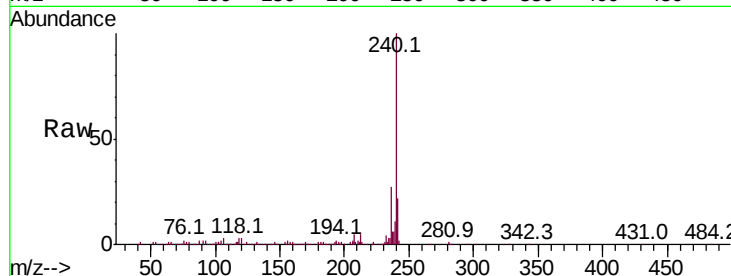
Tot Ion:228 Resp: 998

Ion Ratio Lower Upper

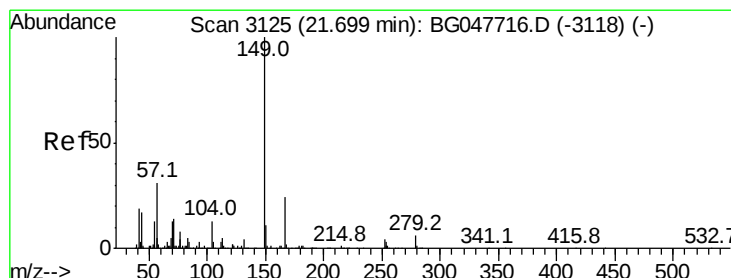
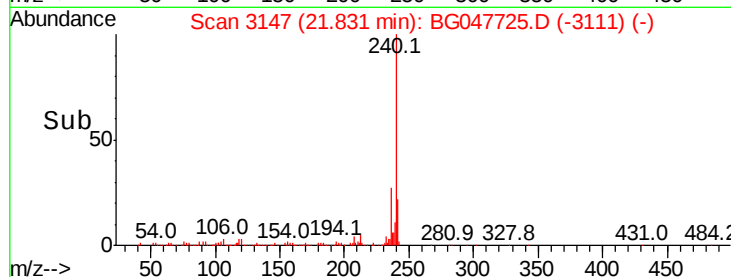
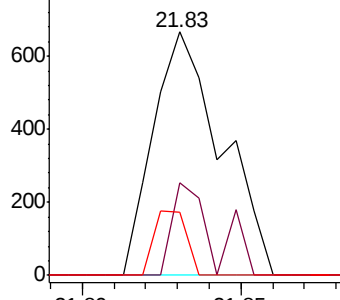
228 100

229 37.9 16.2 24.4#

226 25.9 20.4 30.6



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



#86

Bis(2-ethylhexyl)phthalate

Concen: 0.020 ng/ul

RT: 21.70 min Scan# 3125

Delta R.T. 0.00 min

Lab File: BG047725.D

Acq: 11 Dec 2020 22:31

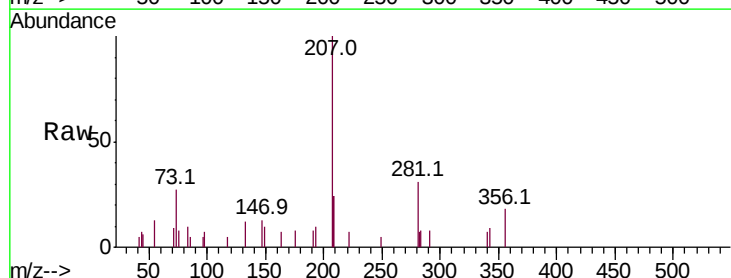
Tgt Ion:149 Resp: 179

Ion Ratio Lower Upper

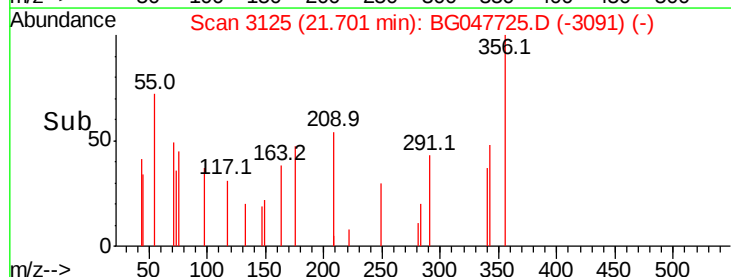
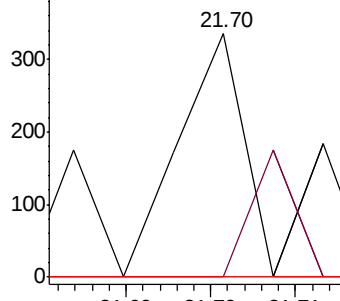
149 100

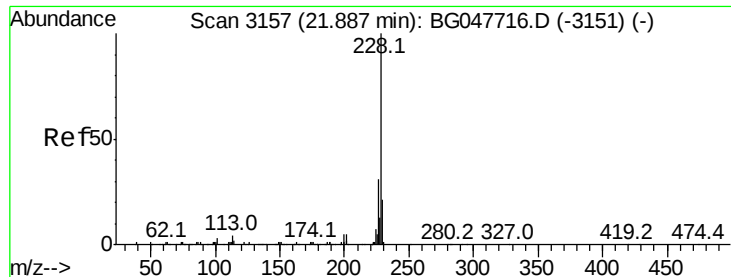
167 0.0 25.1 37.7#

279 0.0 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





#87

Chrysene

Concen: 0.054 ng/ul

RT: 21.83 min Scan# 3147

Delta R.T. -0.05 min

Lab File: BG047725.D

Acq: 11 Dec 2020 22:31

Instrument :

BNA_G

ClientSampleId :

SBLK360

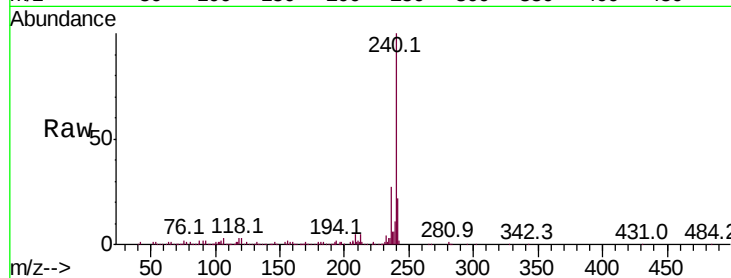
Tot Ion:228 Resp: 998

Ion Ratio Lower Upper

228 100

226 25.9 23.0 34.6

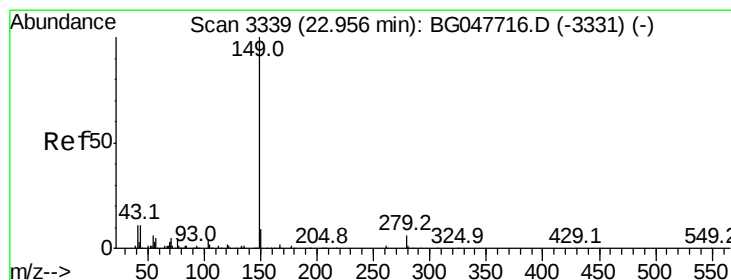
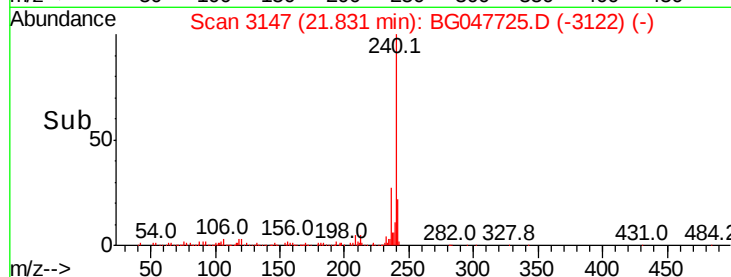
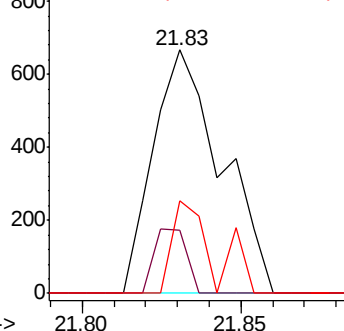
229 37.9 16.2 24.2#



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



#89

Di-n-octyl phthalate

Concen: 0.014 ng/ul

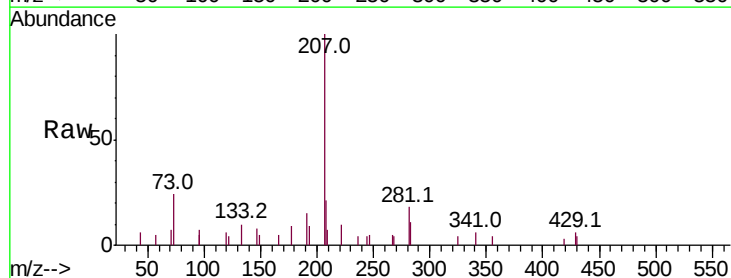
RT: 22.95 min Scan# 3338

Delta R.T. -0.00 min

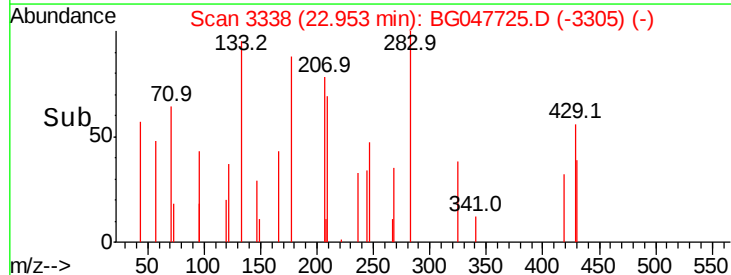
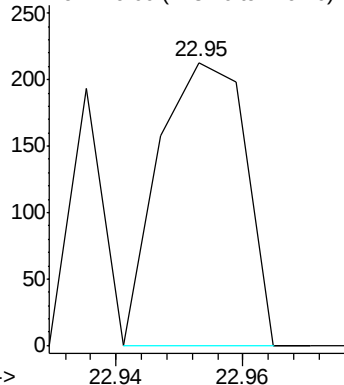
Lab File: BG047725.D

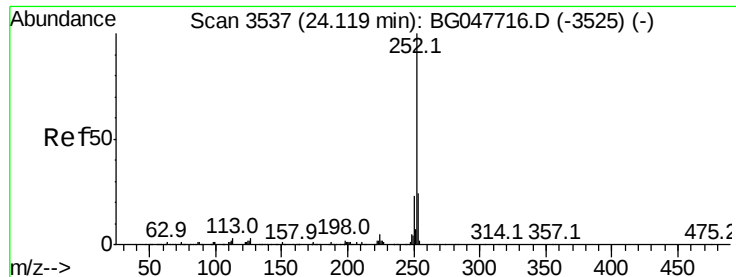
Acq: 11 Dec 2020 22:31

Tgt Ion:149 Resp: 201



Abundance Ion 149.00 (148.70 to 149.70): E





#90

Benzo(b)fluoranthene

Concen: 0.014 ng/ul

RT: 24.20 min Scan# 3550

Delta R.T. 0.07 min

Lab File: BG047725.D

Acq: 11 Dec 2020 22:31

Instrument :

BNA_G

ClientSampleId :

SBLK360

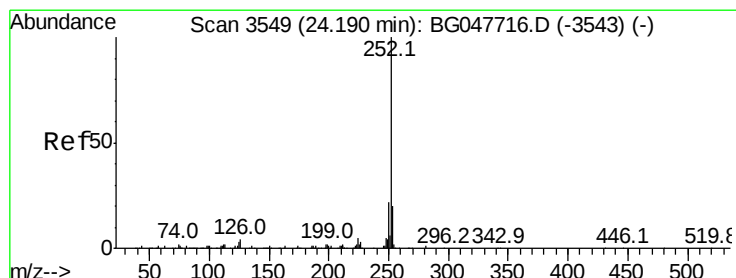
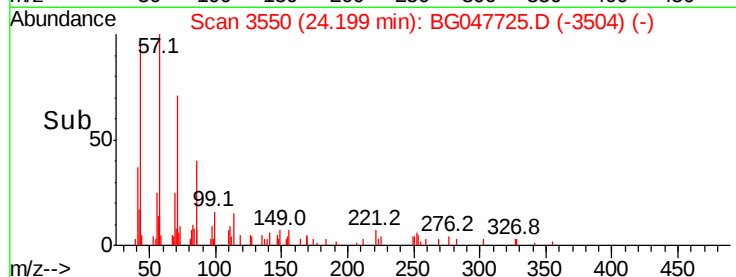
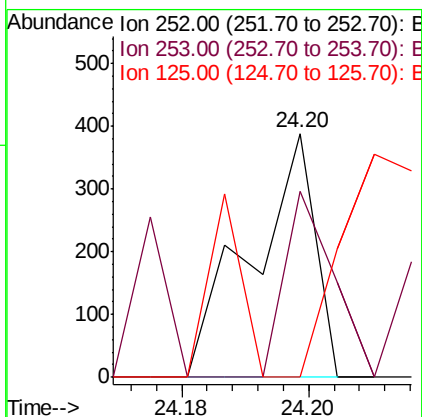
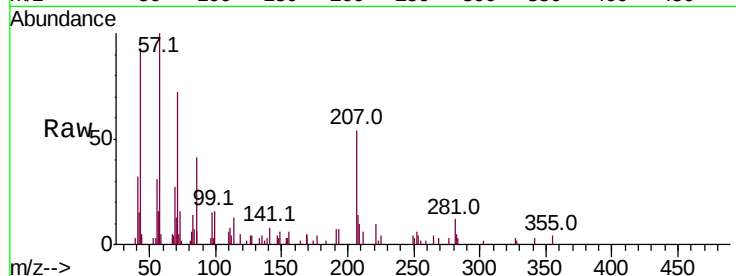
Tot Ion:252 Resp: 269

Ion Ratio Lower Upper

252 100

253 76.3 16.6 24.8#

125 0.0 1.8 2.8#



#91

Benzo(k)fluoranthene

Concen: 0.014 ng/ul

RT: 24.20 min Scan# 3550

Delta R.T. 0.01 min

Lab File: BG047725.D

Acq: 11 Dec 2020 22:31

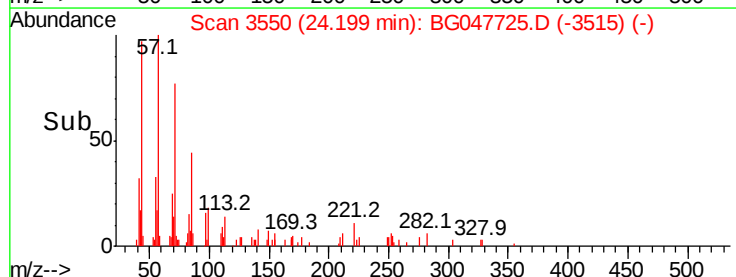
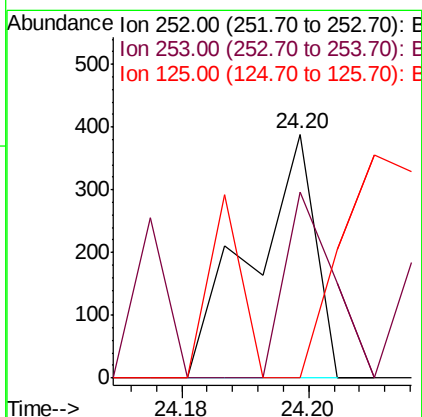
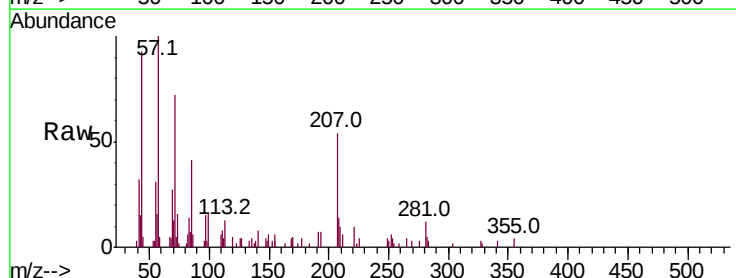
Tgt Ion:252 Resp: 269

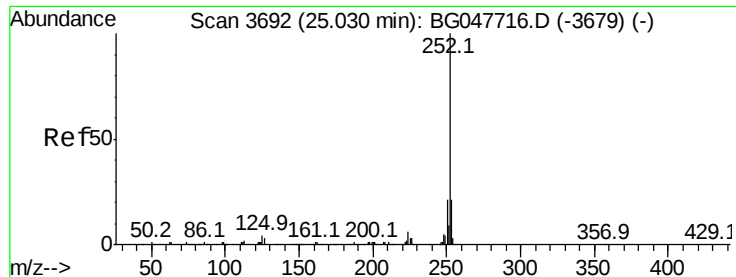
Ion Ratio Lower Upper

252 100

253 76.3 17.0 25.4#

125 0.0 2.2 3.2#





#93

Benzo(a)pyrene

Concen: 0.003 ng/ul

RT: 25.00 min Scan# 3687

Delta R.T. -0.03 min

Lab File: BG047725.D

Acq: 11 Dec 2020 22:31

Instrument :

BNA_G

ClientSampleId :

SBLK360

Tot Ion: 252 Resp: 54

Ion Ratio Lower Upper

252 100

253 0.0 17.6 26.4#

125 0.0 2.6 4.0#

