

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
 Data File : BG023668.D
 Acq On : 12 Aug 2016 22:51
 Operator : UM/SJ
 Sample : H4385-22MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P003-SS001-1218-01MSD

Quant Time: Aug 13 03:22:59 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 13 03:19:50 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	139189	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.95	136	609019	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.79	164	422781	20.00	ng/ul	-0.02
61) Phenanthrene-d10	17.55	188	962994	20.00	ng/ul	-0.01
75) Chrysene-d12	21.88	240	934380	20.00	ng/ul	-0.02
83) Perylene-d12	25.28	264	955894	20.00	ng/ul	-0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	9336	2.85	ng/uL	0.00
5) Phenol-d5	7.27	99	254806	18.17	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.43	67	167097	18.60	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.64	132	183919	19.23	ng/ul	-0.02
13) 4-Methylphenol-d8	8.83	113	198123	18.10	ng/ul	-0.02
19) Nitrobenzene-d5	9.29	128	102065	21.26	ng/ul	-0.01
22) 2-Nitrophenol-d4	10.02	143	124797	22.64	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.57	165	220329	21.19	ng/ul	-0.02
29) 4-Chloroaniline-d4	11.09	131	246040	20.17	ng/ul	-0.02
43) Dimethylphthalate-d6	14.18	166	767220	22.16	ng/ul	-0.01
46) Acenaphthylene-d8	14.48	160	901882	23.15	ng/ul	-0.01
51) 4-Nitrophenol-d4	15.00	143	125213	21.19	ng/ul	-0.02
57) Fluorene-d10	15.79	176	692669	21.66	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.91	200	119901	19.41	ng/ul	-0.02
70) Anthracene-d10	17.65	188	1017962	23.46	ng/ul	-0.01
76) Pyrene-d10	19.94	212	1083365	22.91	ng/ul	-0.02
87) Benzo(a)pyrene-d12	25.05	264	1065209	24.62	ng/ul	-0.04

Target Compounds

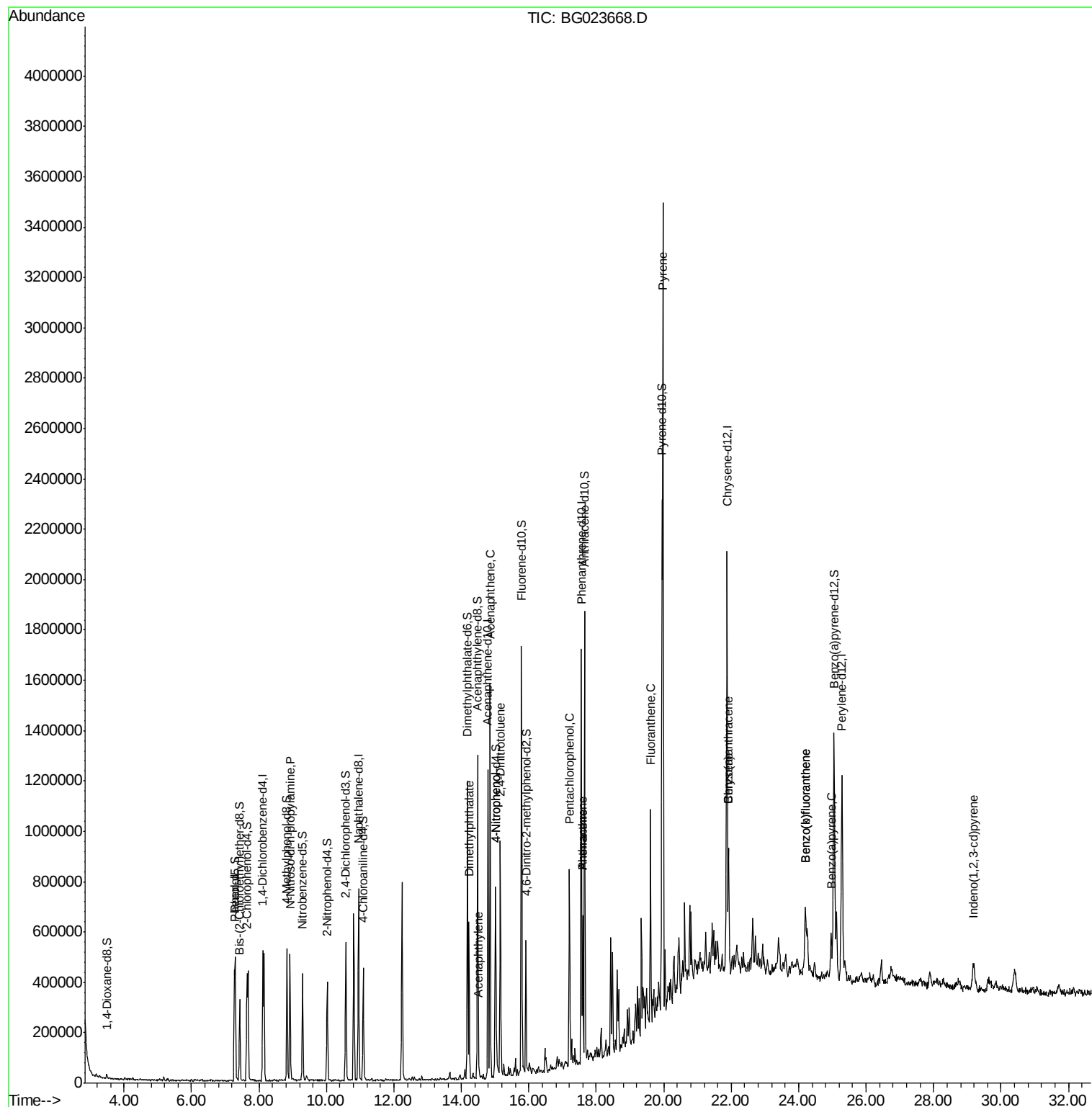
						Qvalue
6) Phenol	7.30	94	271347	18.58	ng/ul#	71
15) N-Nitroso-di-n-propylamine	8.92	70	209934	19.88	ng/ul#	88
44) Dimethylphthalate	14.23	163	390626	11.40	ng/ul	98
47) Acenaphthylene	14.51	152	46801	1.15	ng/ul	95
49) Acenaphthene	14.85	153	642376	23.14	ng/ul	95
52) 4-Nitrophenol	15.02	109	121329	20.50	ng/ul#	72
54) 2,4-Dinitrotoluene	15.16	165	257898	22.90	ng/ul#	77
68) Pentachlorophenol	17.21	266	148119	22.82	ng/ul	91
69) Phenanthrene	17.59	178	335424	6.73	ng/ul	98
71) Anthracene	17.59	178	335080	6.58	ng/ul	99
74) Fluoranthene	19.61	202	488296	9.56	ng/ul#	91
77) Pyrene	19.97	202	1866534	32.31	ng/ul	97
80) Benzo(a)anthracene	21.92	228	347355	6.60	ng/ul	93
82) Chrysene	21.92	228	347355	7.26	ng/ul#	95
85) Benzo(b)fluoranthene	24.20	252	211306	3.89	ng/ul#	94
86) Benzo(k)fluoranthene	24.20	252	211306	3.95	ng/ul#	90
88) Benzo(a)pyrene	24.96	252	205022	3.91	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	29.17	276	74956	1.22	ng/ul#	90

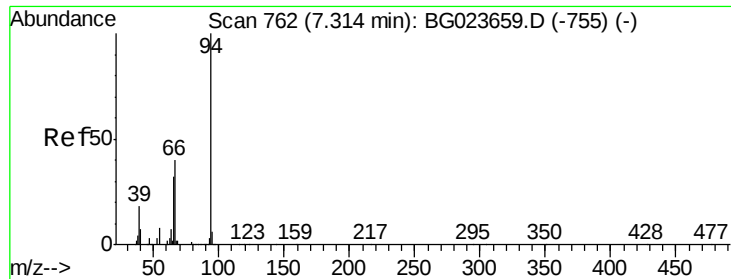
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 03:19:50 2016
Response via : Initial Calibration





#6

Phenol

Concen: 18.58 ng/ul

RT: 7.30 min Scan# 759

Delta R.T. -0.02 min

Lab File: BG023668.D

Acq: 12 Aug 2016 22:51

Instrument :

BNA_G

ClientSampleId :

P003-SS001-1218-01MSD

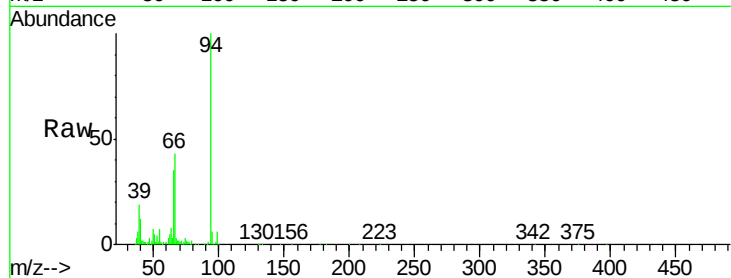
Tgt Ion: 94 Resp: 271347

Ion Ratio Lower Upper

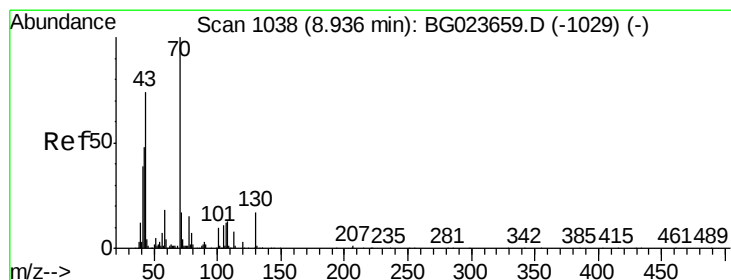
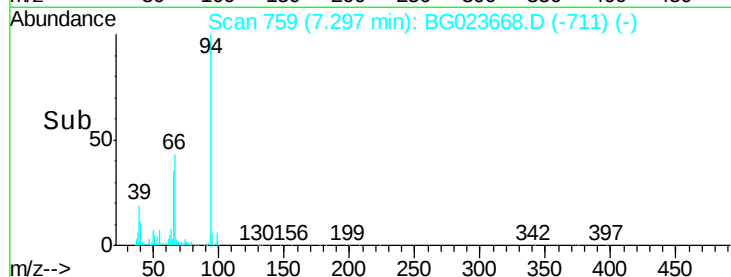
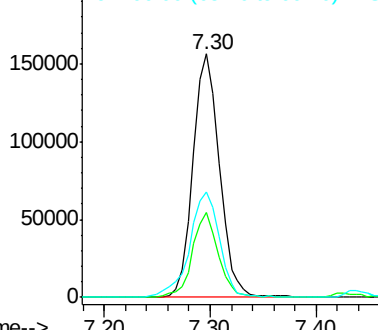
94 100

65 34.9 16.8 25.2#

66 43.1 22.6 33.8#



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



#15

N-Nitroso-di-n-propylamine

Concen: 19.88 ng/ul

RT: 8.92 min Scan# 1035

Delta R.T. -0.02 min

Lab File: BG023668.D

Acq: 12 Aug 2016 22:51

Tgt Ion: 70 Resp: 209934

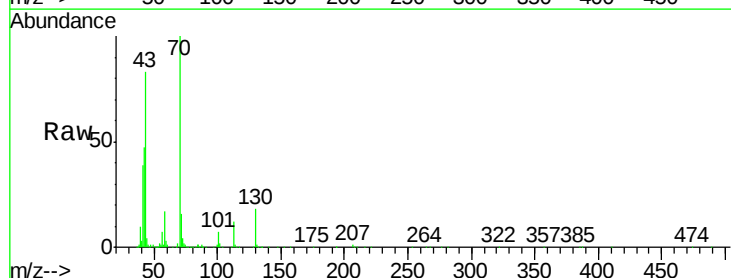
Ion Ratio Lower Upper

70 100

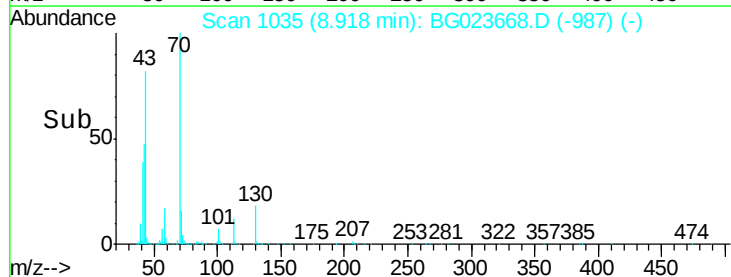
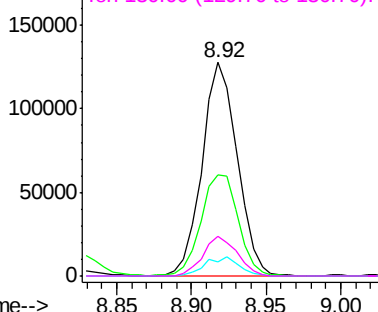
42 47.3 31.4 47.2#

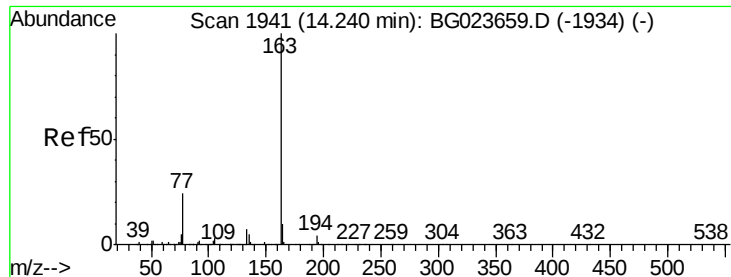
101 6.8 8.6 13.0#

130 18.4 19.0 28.4#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC





#44

Dimethylphthalate

Concen: 11.40 ng/ul

RT: 14.23 min Scan# 1939

Delta R.T. -0.01 min

Lab File: BG023668.D

Acq: 12 Aug 2016 22:51

Instrument :

BNA_G

ClientSampleId :

P003-SS001-1218-01MSD

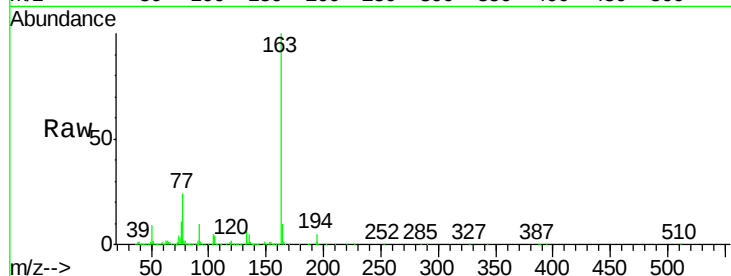
Tgt Ion:163 Resp: 390626

Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.2

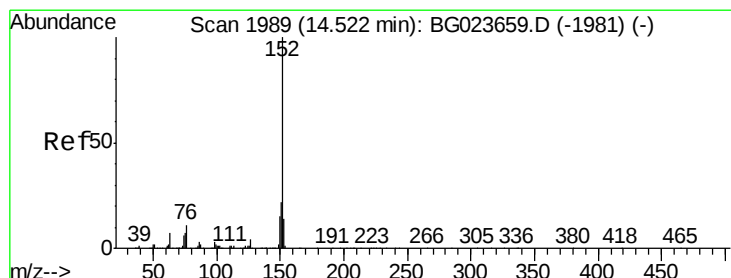
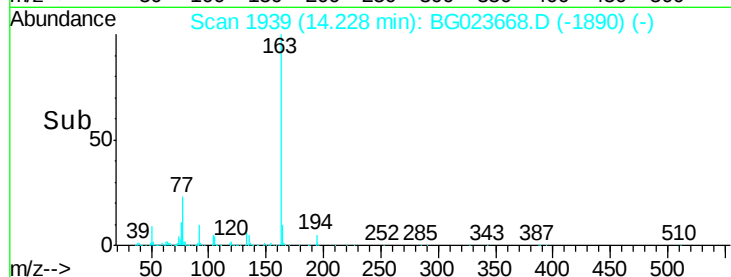
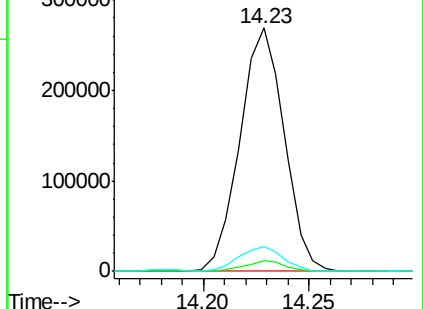
164 9.9 8.8 13.2



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



#47

Acenaphthylene

Concen: 1.15 ng/ul

RT: 14.51 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BG023668.D

Acq: 12 Aug 2016 22:51

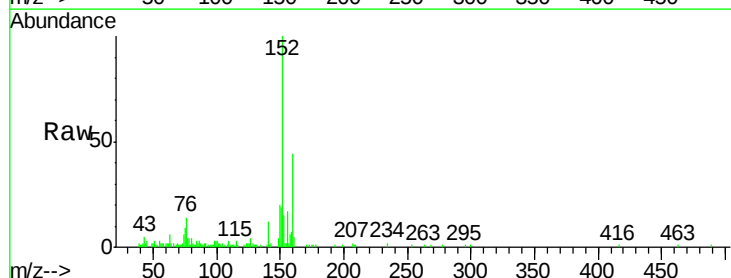
Tgt Ion:152 Resp: 46801

Ion Ratio Lower Upper

152 100

151 18.9 17.5 26.3

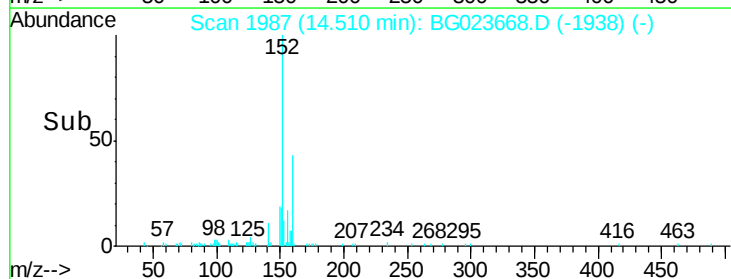
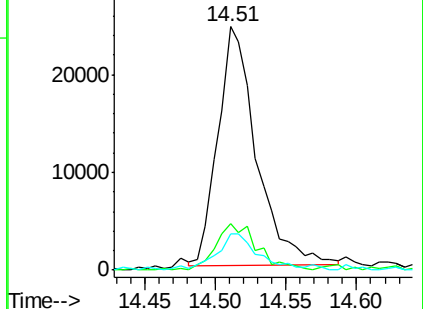
153 14.7 11.1 16.7

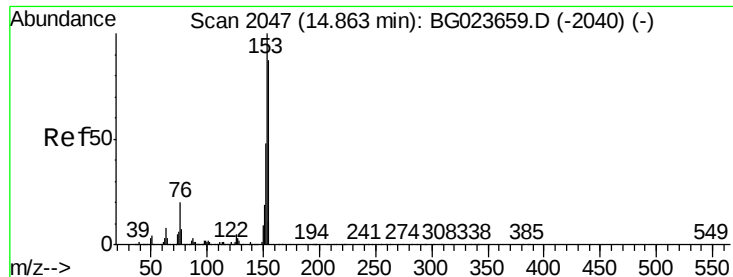


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 23.14 ng/ul

RT: 14.85 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BG023668.D

Acq: 12 Aug 2016 22:51

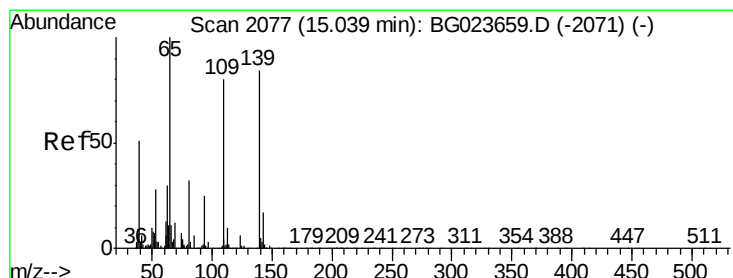
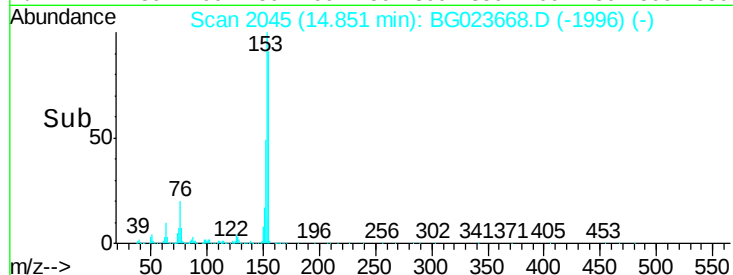
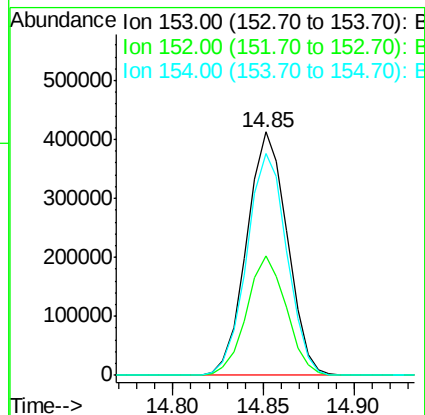
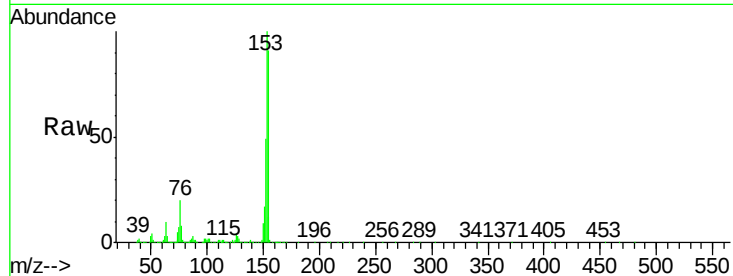
Instrument :

BNA_G

ClientSampleId :

P003-SS001-1218-01MSD

Tgt Ion:	153	Resp:	642376
Ion	Ratio	Lower	Upper
153	100		
152	48.9	37.3	55.9
154	90.9	68.2	102.2



#52

4-Nitrophenol

Concen: 20.50 ng/ul

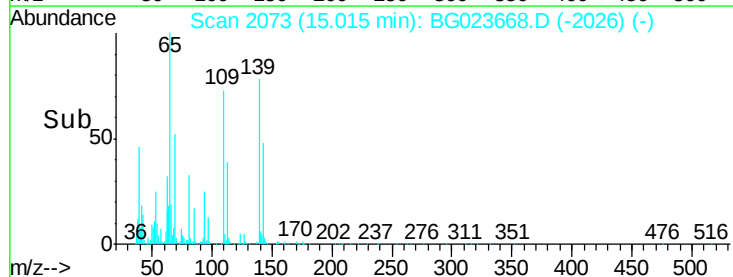
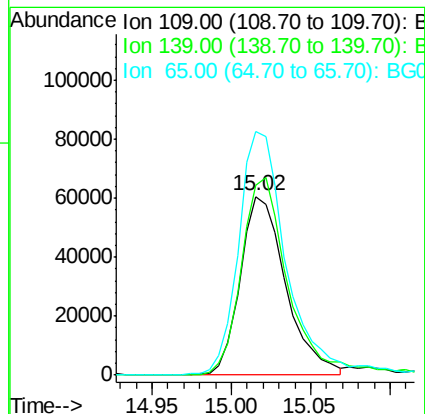
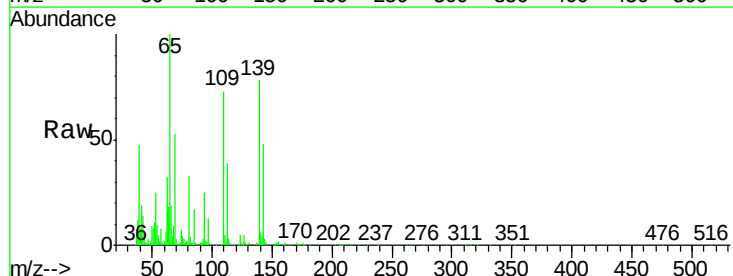
RT: 15.02 min Scan# 2073

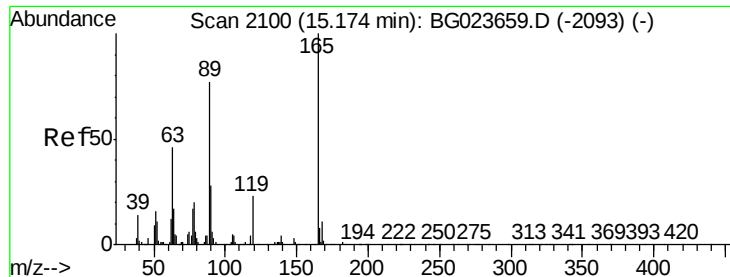
Delta R.T. -0.02 min

Lab File: BG023668.D

Acq: 12 Aug 2016 22:51

Tgt Ion:	109	Resp:	121329
Ion	Ratio	Lower	Upper
109	100		
139	106.0	136.1	204.1#
65	136.1	106.0	159.0

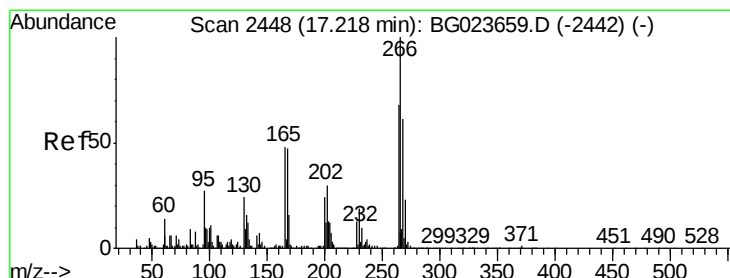
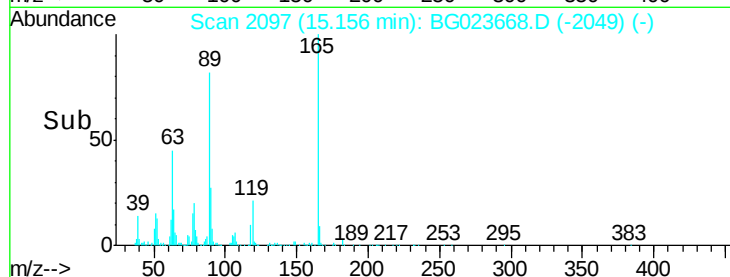
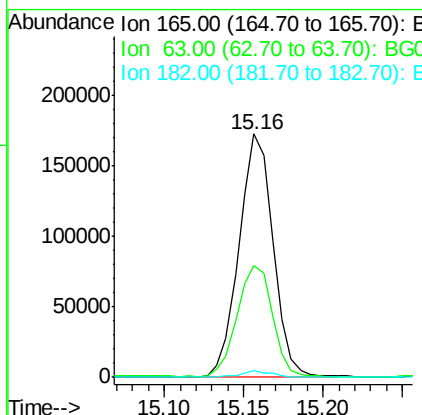
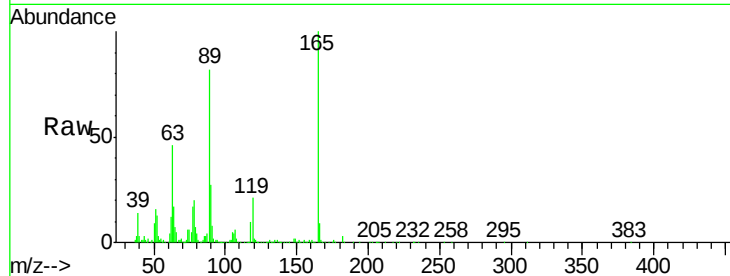




#54
 2,4-Dinitrotoluene
 Concen: 22.90 ng/ul
 RT: 15.16 min Scan# 2097
 Delta R.T. -0.02 min
 Lab File: BG023668.D
 Acq: 12 Aug 2016 22:51

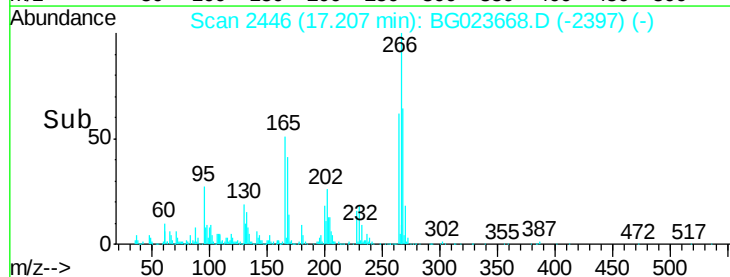
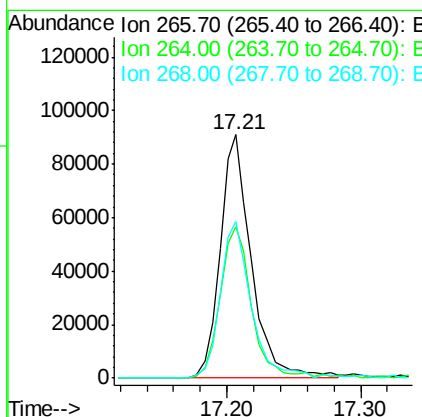
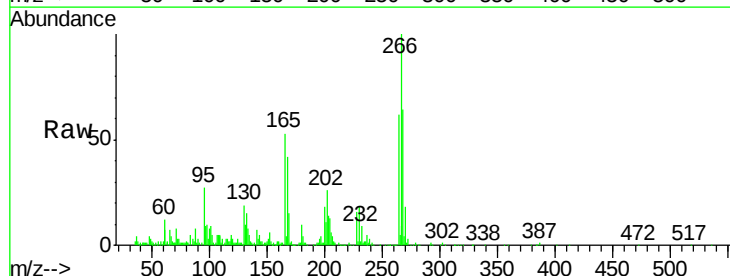
Instrument :
 BNA_G
 ClientSampleId :
 P003-SS001-1218-01MSD

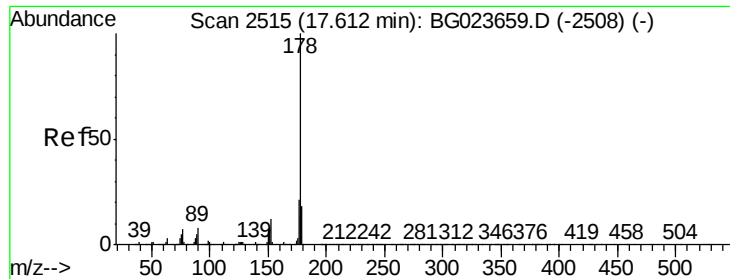
Tgt Ion	Ratio	Lower	Upper
165	100		
63	46.1	25.7	38.5
182	3.1	2.1	3.1



#68
 Pentachlorophenol
 Concen: 22.82 ng/ul
 RT: 17.21 min Scan# 2446
 Delta R.T. -0.01 min
 Lab File: BG023668.D
 Acq: 12 Aug 2016 22:51

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.3	54.7	82.1
268	64.4	57.8	86.8





#69

Phenanthrene

Concen: 6.73 ng/ul

RT: 17.59 min Scan# 2512

Delta R.T. -0.02 min

Lab File: BG023668.D

Acq: 12 Aug 2016 22:51

Instrument :

BNA_G

ClientSampleId :

P003-SS001-1218-01MSD

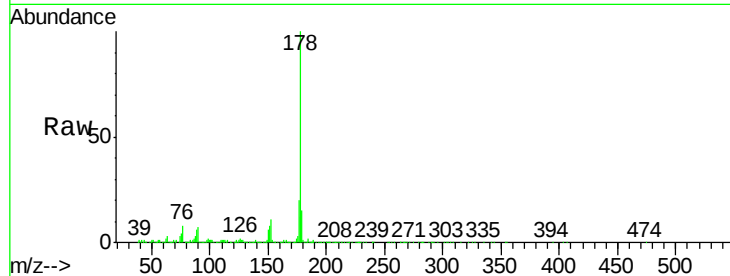
Tgt Ion:178 Resp: 335424

Ion Ratio Lower Upper

178 100

179 14.7 12.9 19.3

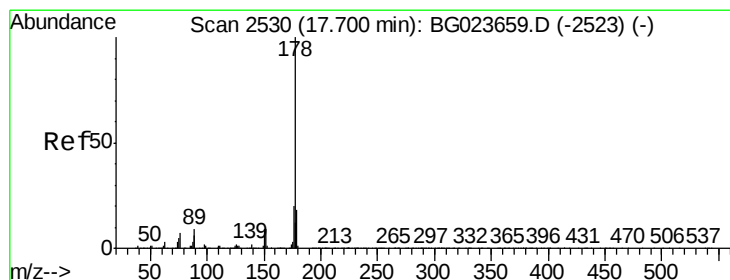
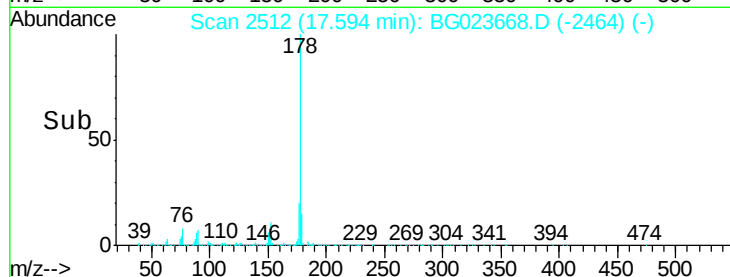
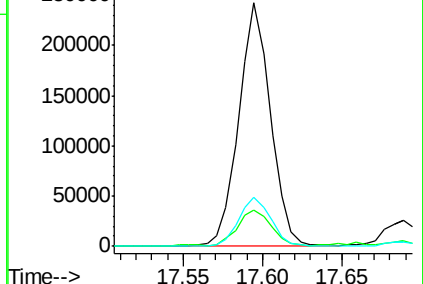
176 20.1 15.8 23.8



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



#71

Anthracene

Concen: 6.58 ng/ul

RT: 17.59 min Scan# 2512

Delta R.T. -0.11 min

Lab File: BG023668.D

Acq: 12 Aug 2016 22:51

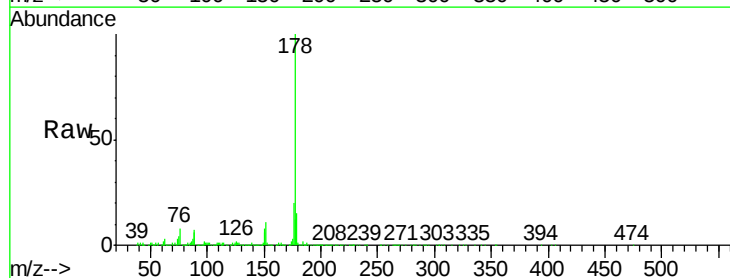
Tgt Ion:178 Resp: 335080

Ion Ratio Lower Upper

178 100

179 14.7 12.3 18.5

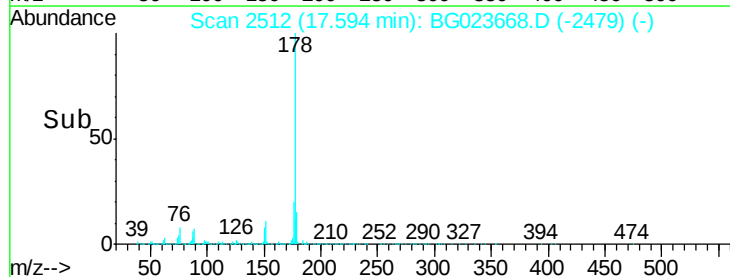
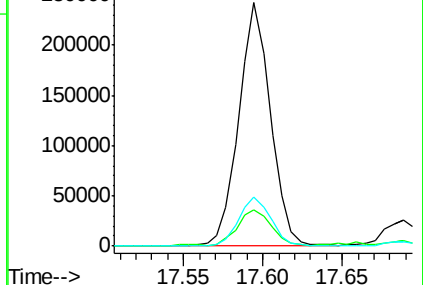
176 20.1 16.3 24.5

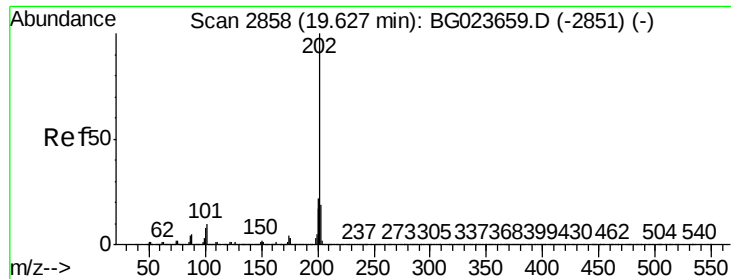


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 9.56 ng/ul

RT: 19.61 min Scan# 2855

Delta R.T. -0.02 min

Lab File: BG023668.D

Acq: 12 Aug 2016 22:51

Instrument :

BNA_G

ClientSampleId :

P003-SS001-1218-01MSD

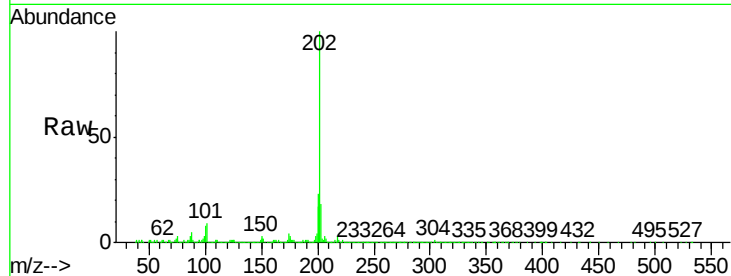
Tgt Ion:202 Resp: 488296

Ion Ratio Lower Upper

202 100

101 9.2 10.6 16.0#

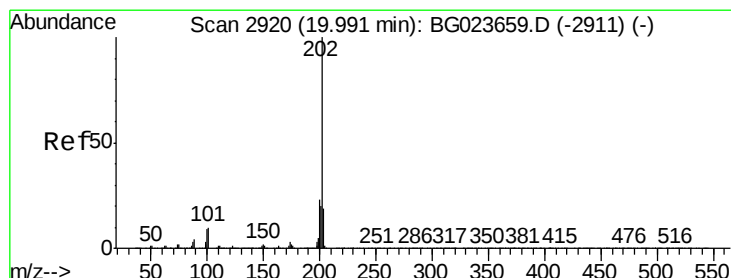
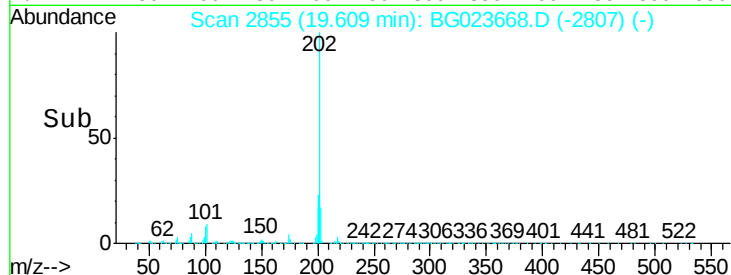
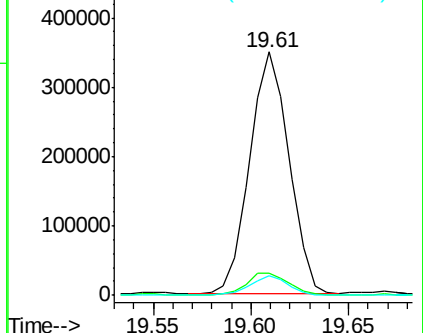
100 8.3 8.7 13.1#



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



#77

Pyrene

Concen: 32.31 ng/ul

RT: 19.97 min Scan# 2917

Delta R.T. -0.02 min

Lab File: BG023668.D

Acq: 12 Aug 2016 22:51

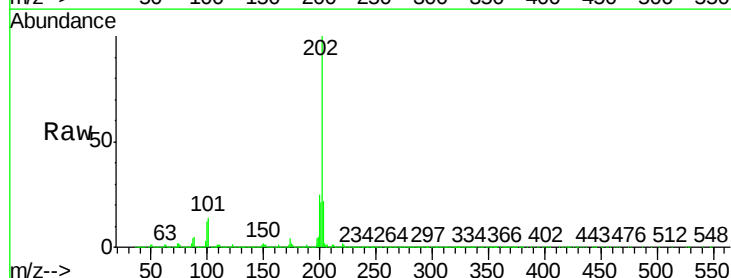
Tgt Ion:202 Resp: 1866534

Ion Ratio Lower Upper

202 100

101 13.7 12.5 18.7

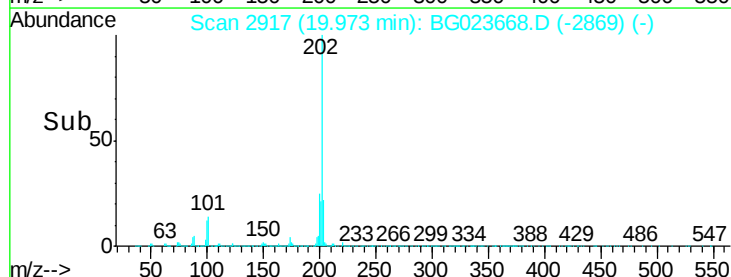
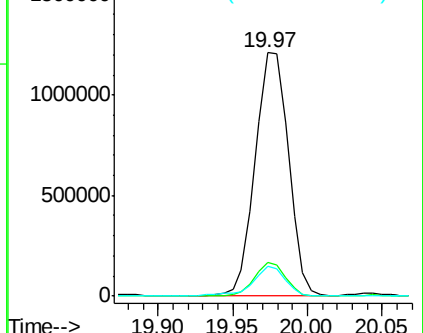
100 12.2 10.2 15.4

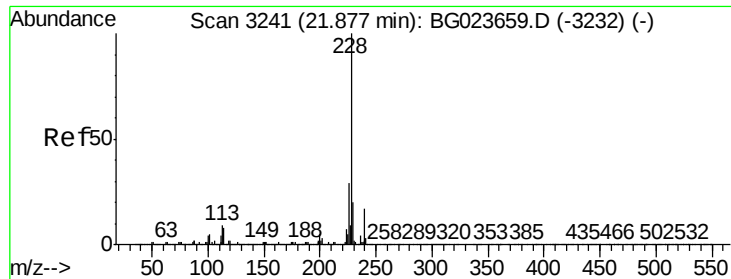


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 6.60 ng/ul

RT: 21.92 min Scan# 3249

Delta R.T. 0.05 min

Lab File: BG023668.D

Acq: 12 Aug 2016 22:51

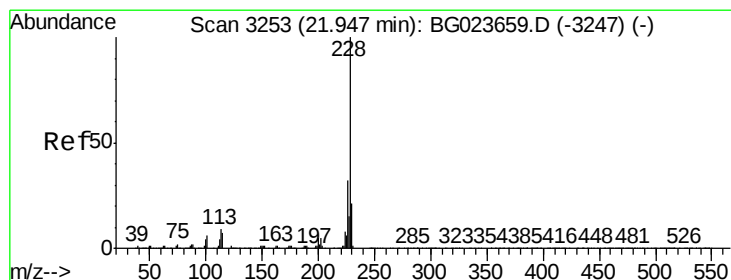
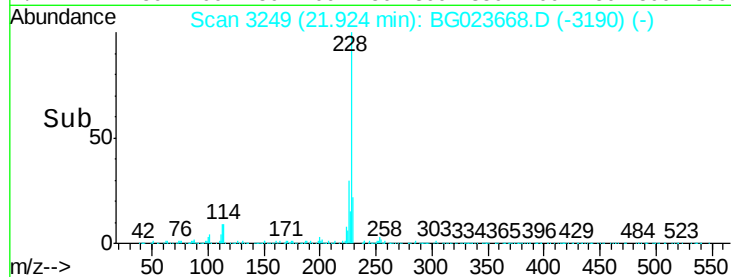
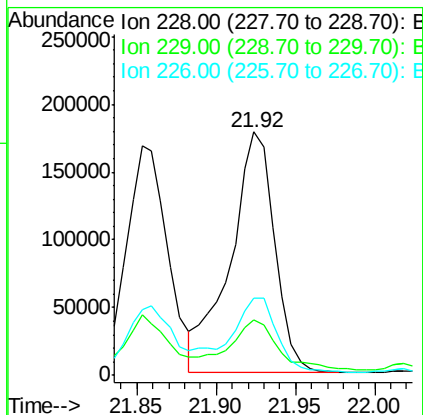
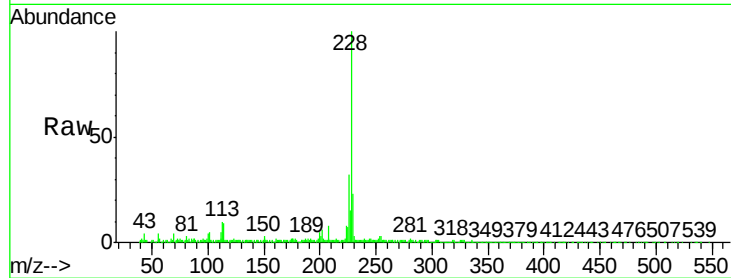
Instrument :

BNA_G

ClientSampleId :

P003-SS001-1218-01MSD

Tgt Ion:	228	Resp:	347355
Ion	Ratio	Lower	Upper
228	100		
229	22.9	15.4	23.2
226	31.9	22.8	34.2



#82

Chrysene

Concen: 7.26 ng/ul

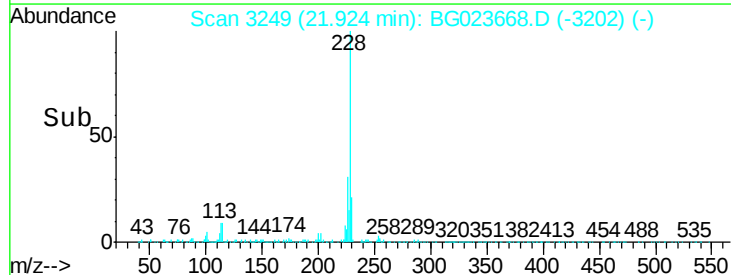
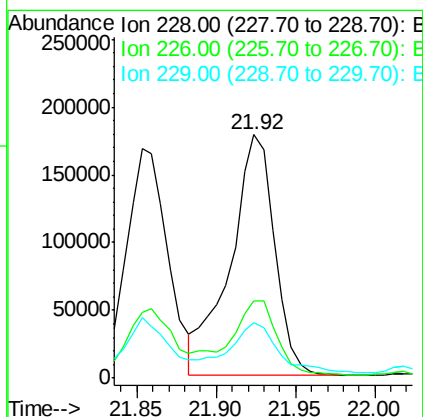
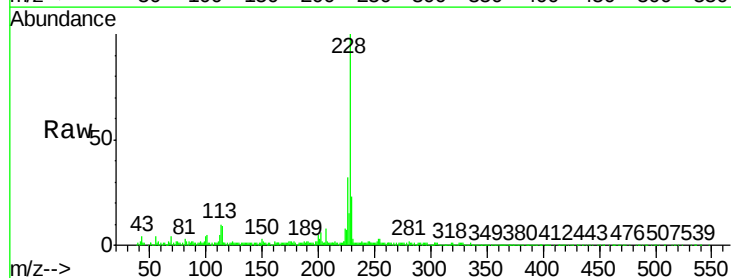
RT: 21.92 min Scan# 3249

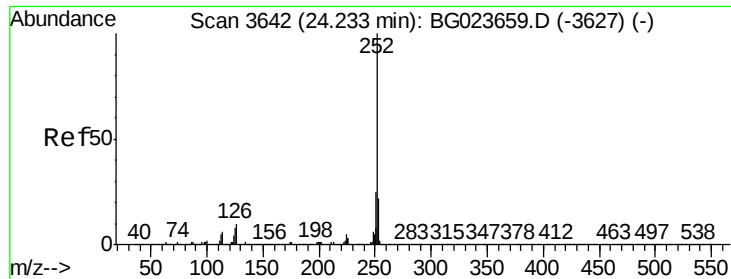
Delta R.T. -0.02 min

Lab File: BG023668.D

Acq: 12 Aug 2016 22:51

Tgt Ion:	228	Resp:	347355
Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.2	36.4
229	22.9	15.0	22.6#





#85

Benzo(b)fluoranthene

Concen: 3.89 ng/ul

RT: 24.20 min Scan# 3636

Delta R.T. -0.04 min

Lab File: BG023668.D

Acq: 12 Aug 2016 22:51

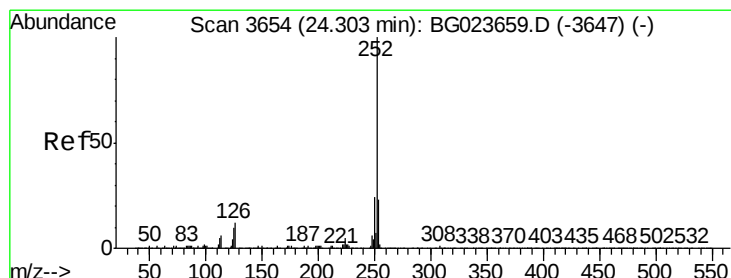
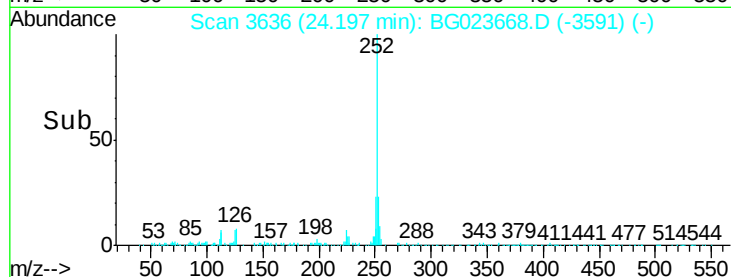
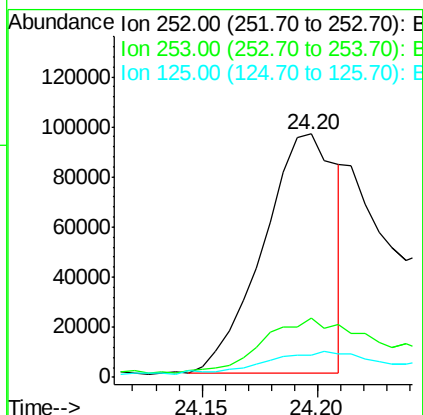
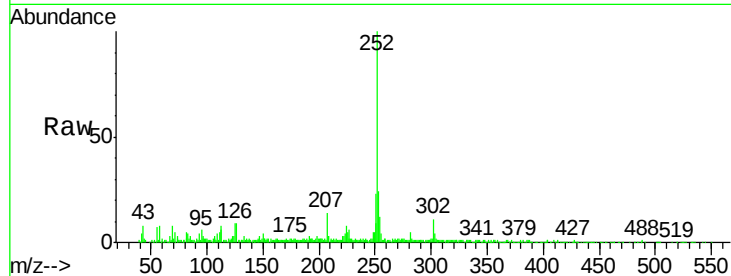
Instrument :

BNA_G

ClientSampleId :

P003-SS001-1218-01MSD

Tgt Ion:	252	Resp:	211306
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.2	27.2
125	9.2	10.8	16.2#



#86

Benzo(k)fluoranthene

Concen: 3.95 ng/ul

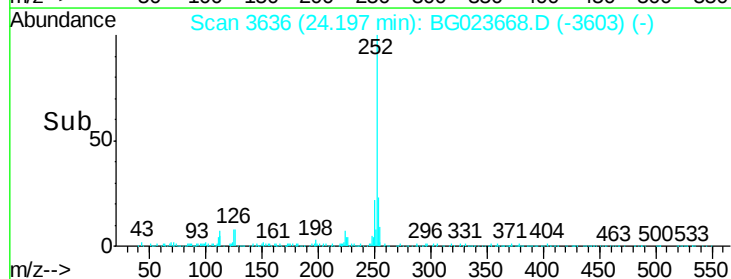
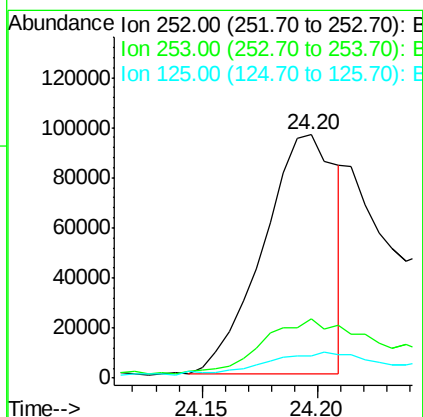
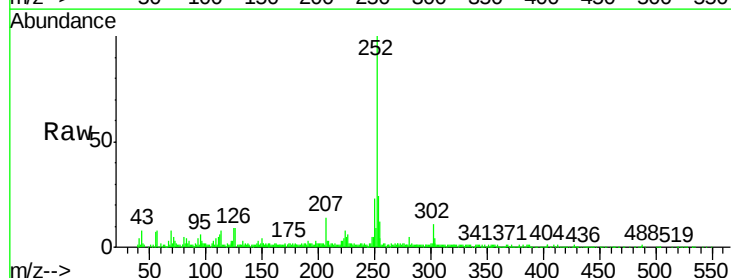
RT: 24.20 min Scan# 3636

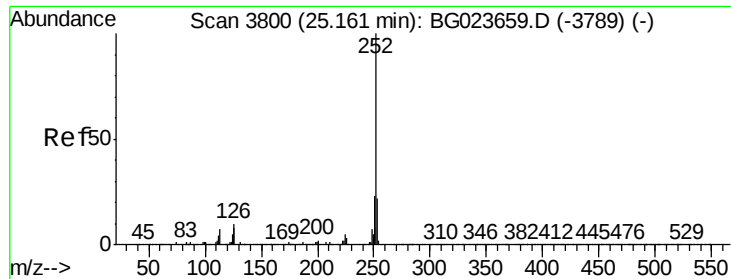
Delta R.T. -0.11 min

Lab File: BG023668.D

Acq: 12 Aug 2016 22:51

Tgt Ion:	252	Resp:	211306
Ion Ratio	Lower	Upper	
252	100		
253	24.2	15.8	23.6#
125	9.2	10.6	16.0#





#88

Benzo(a)pyrene

Concen: 3.91 ng/ul

RT: 24.96 min Scan# 3766

Delta R.T. -0.20 min

Lab File: BG023668.D

Acq: 12 Aug 2016 22:51

Instrument :

BNA_G

ClientSampleId :

P003-SS001-1218-01MSD

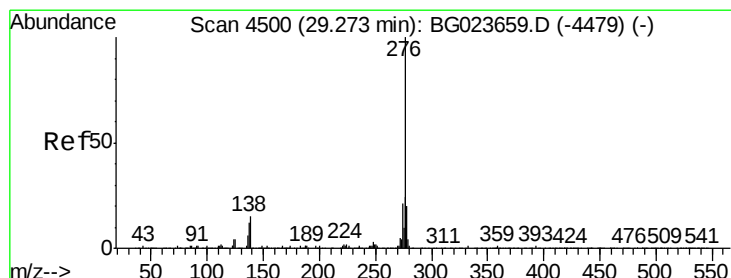
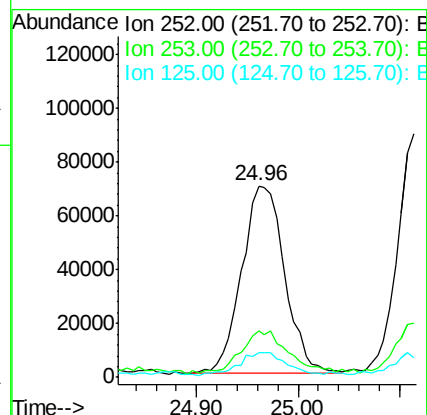
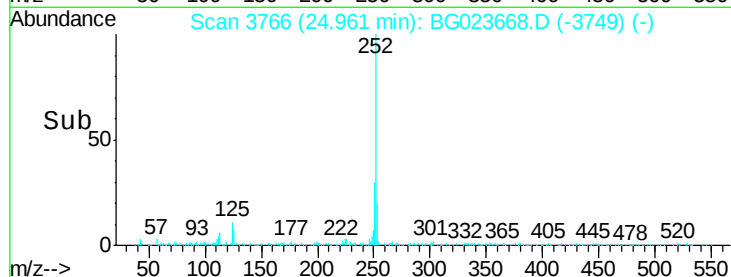
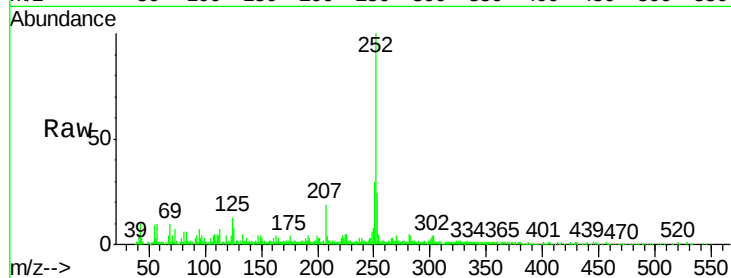
Tgt Ion:252 Resp: 205022

Ion Ratio Lower Upper

252 100

253 24.1 19.0 28.4

125 12.6 12.0 18.0



#89

Indeno(1,2,3-cd)pyrene

Concen: 1.22 ng/ul

RT: 29.17 min Scan# 4483

Delta R.T. -0.10 min

Lab File: BG023668.D

Acq: 12 Aug 2016 22:51

Tgt Ion:276 Resp: 74956

Ion Ratio Lower Upper

276 100

138 17.5 20.8 31.2#

277 22.9 17.6 26.4

