

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
 Data File : BG023639.D
 Acq On : 12 Aug 2016 1:58
 Operator : UM/SJ
 Sample : H4360-07 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR001-SS002-1218-01

Quant Time: Aug 12 04:37:34 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 12 04:34:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	157665	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.95	136	723034	20.00	ng/ul	-0.01
35) Acenaphthene-d10	14.79	164	469201	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.55	188	1063076	20.00	ng/ul	-0.01
75) Chrysene-d12	21.88	240	1079643	20.00	ng/ul	0.00
83) Perylene-d12	25.28	264	1119386	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.49	96	1317	0.36	ng/uL	0.00
5) Phenol-d5	7.27	99	54892	3.46	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.43	67	35660	3.50	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.64	132	40435	3.73	ng/ul	-0.01
13) 4-Methylphenol-d8	8.83	113	40312	3.25	ng/ul	-0.01
19) Nitrobenzene-d5	9.29	128	21378	3.75	ng/ul	-0.01
22) 2-Nitrophenol-d4	10.02	143	24025	3.67	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.58	165	45770	3.71	ng/ul	0.00
29) 4-Chloroaniline-d4	11.09	131	10613	0.73	ng/ul	-0.01
43) Dimethylphthalate-d6	14.18	166	153904	4.01	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	187400	4.33	ng/ul	0.00
51) 4-Nitrophenol-d4	14.97	143	170	0.03	ng/ul	-0.03
57) Fluorene-d10	15.78	176	145424	4.10	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.92	200	13800	2.02	ng/ul	0.00
70) Anthracene-d10	17.65	188	209874	4.38	ng/ul	-0.01
76) Pyrene-d10	19.94	212	228051	4.17	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.04	264	210021	4.15	ng/ul	0.00

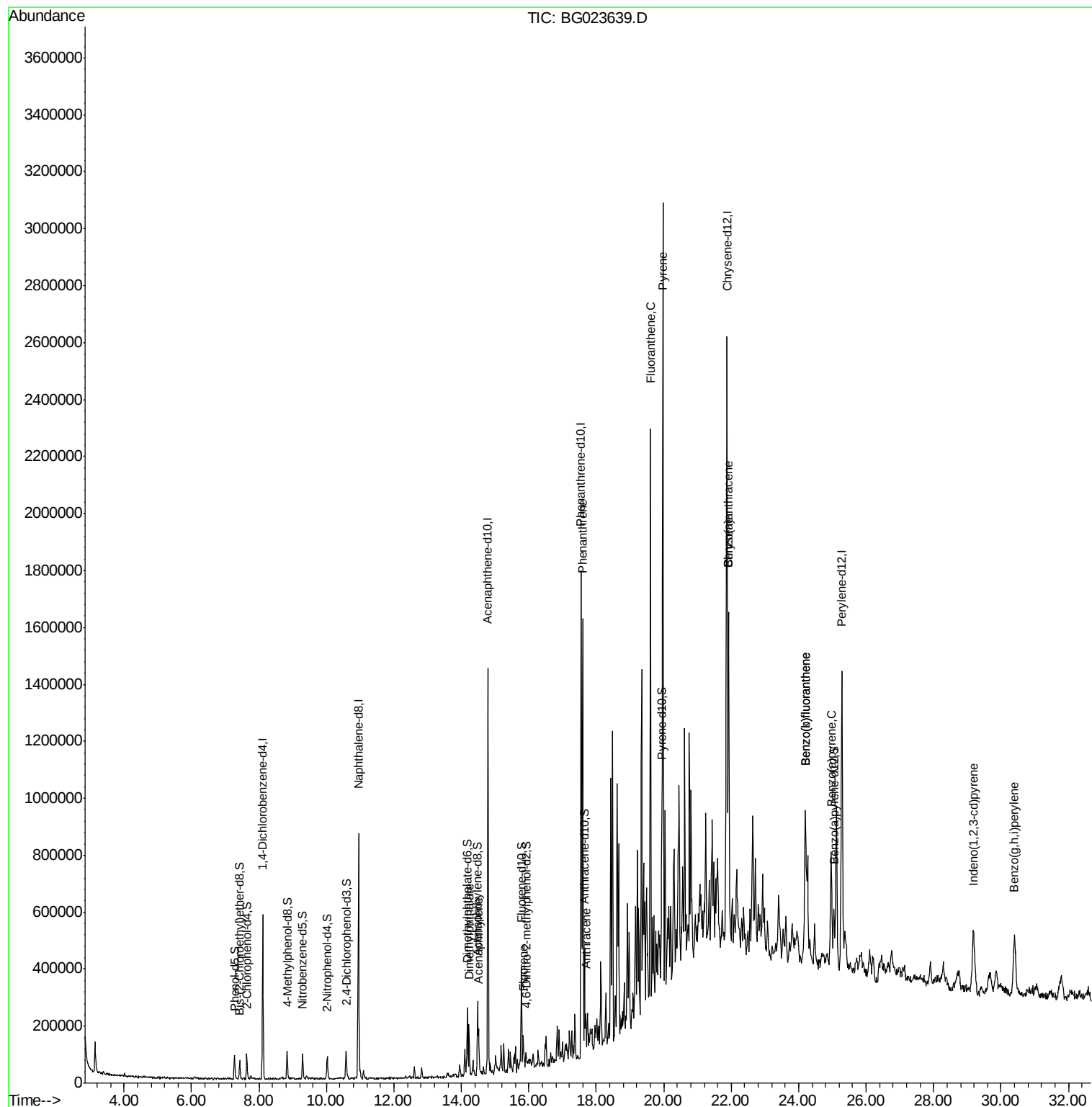
Target Compounds				Qvalue		
44) Dimethylphthalate	14.23	163	99783	2.62	ng/ul	99
47) Acenaphthylene	14.52	152	118638	2.62	ng/ul#	93
58) Fluorene	15.84	166	53181	1.40	ng/ul	96
69) Phenanthrene	17.59	178	924557	16.79	ng/ul	98
71) Anthracene	17.69	178	96927	1.73	ng/ul	99
74) Fluoranthene	19.61	202	1118460	19.84	ng/ul#	94
77) Pyrene	19.97	202	1532240	22.96	ng/ul	94
80) Benzo(a)anthracene	21.92	228	800223	13.16	ng/ul	93
82) Chrysene	21.92	228	816535	14.77	ng/ul	95
85) Benzo(b)fluoranthene	24.20	252	747143	11.73	ng/ul#	96
86) Benzo(k)fluoranthene	24.20	252	747143	11.92	ng/ul#	92
88) Benzo(a)pyrene	24.96	252	452315	7.36	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	29.17	276	375451	5.20	ng/ul#	85
91) Benzo(g,h,i)perylene	30.39	276	190587	3.18	ng/ul#	89

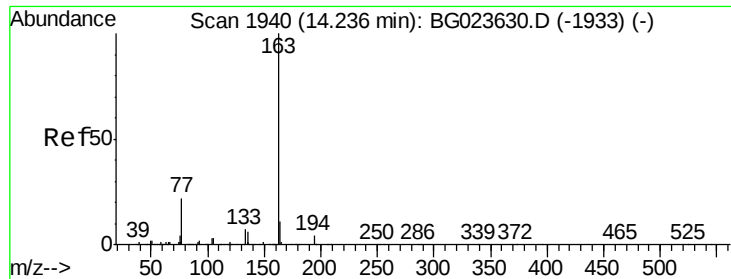
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

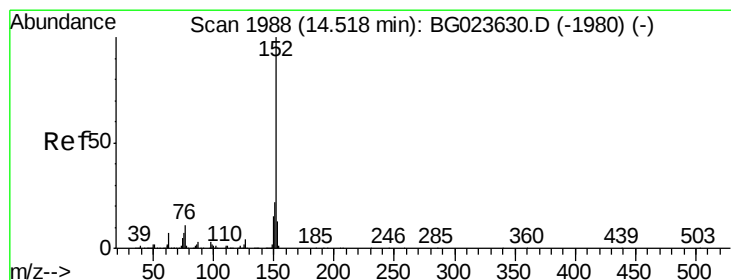
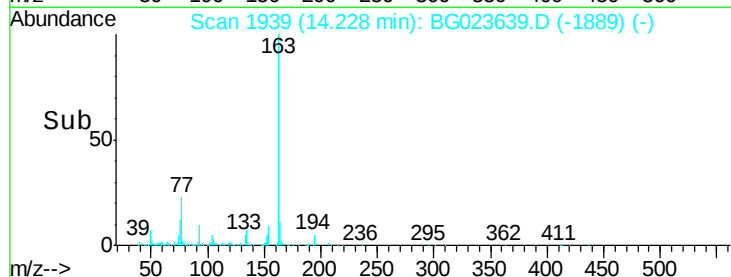
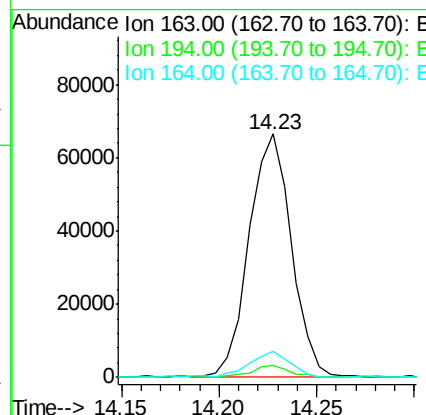
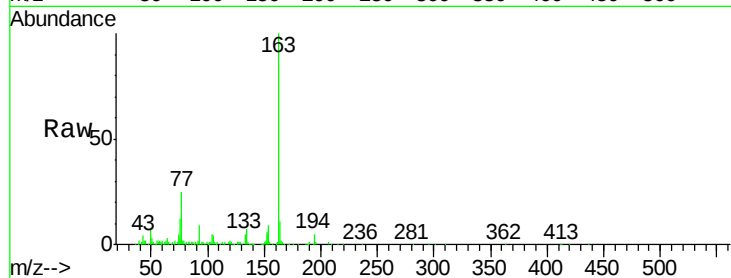




#44
Dimethylphthalate
Concen: 2.62 ng/ul
RT: 14.23 min Scan# 1939
Delta R.T. -0.01 min
Lab File: BG023639.D
Acq: 12 Aug 2016 1:58

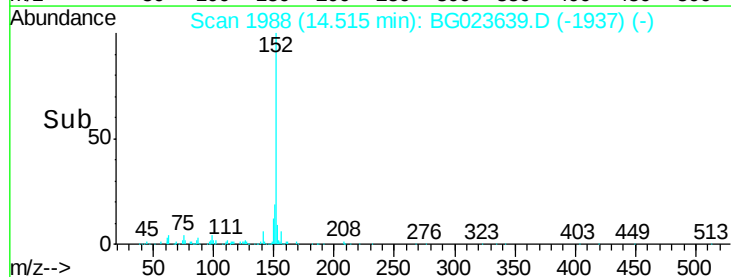
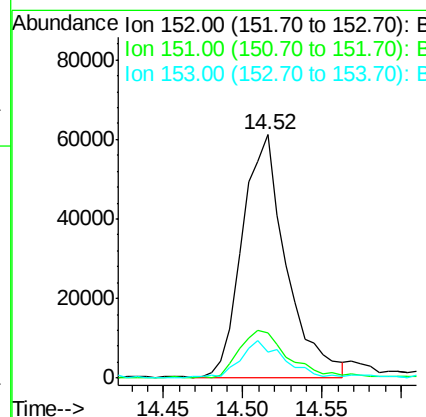
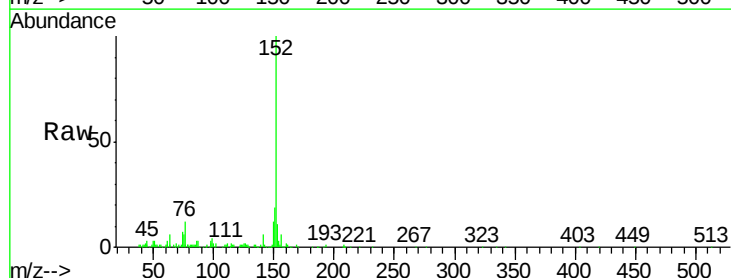
Instrument :
BNA_G
ClientSampleId :
PR001-SS002-1218-01

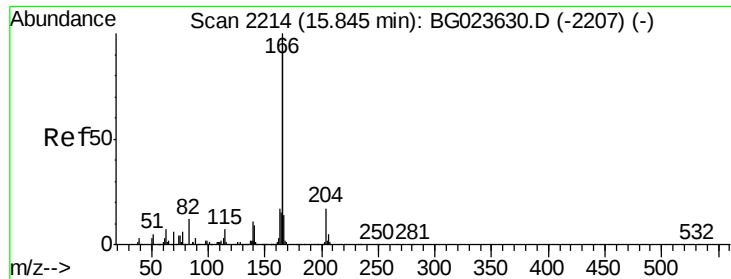
Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.0	3.4	5.2
164	10.8	8.8	13.2



#47
Acenaphthylene
Concen: 2.62 ng/ul
RT: 14.52 min Scan# 1988
Delta R.T. -0.00 min
Lab File: BG023639.D
Acq: 12 Aug 2016 1:58

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.8	17.5	26.3
153	10.5	11.1	16.7





#58

Fluorene

Concen: 1.40 ng/ul

RT: 15.84 min Scan# 2213

Delta R.T. -0.01 min

Lab File: BG023639.D

Acq: 12 Aug 2016 1:58

Instrument :

BNA_G

ClientSampleId :

PR001-SS002-1218-01

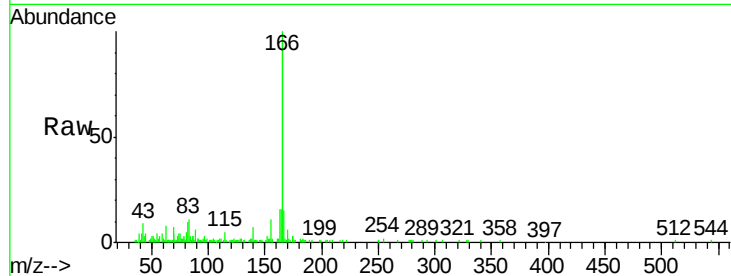
Tgt Ion:166 Resp: 53181

Ion Ratio Lower Upper

166 100

165 96.5 80.3 120.5

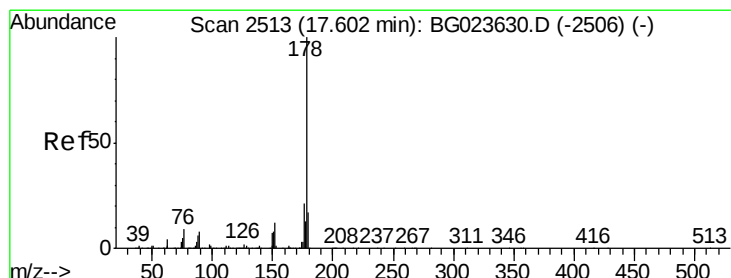
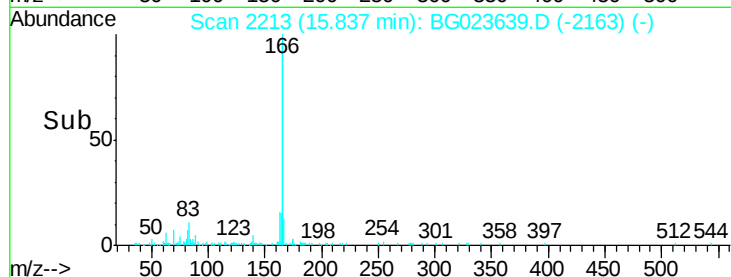
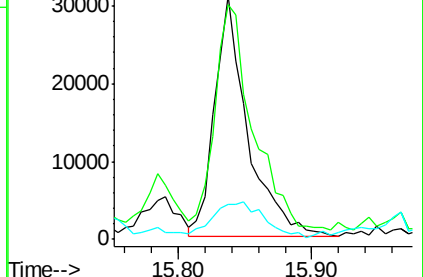
167 14.6 10.3 15.5



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



#69

Phenanthrene

Concen: 16.79 ng/ul

RT: 17.59 min Scan# 2512

Delta R.T. -0.01 min

Lab File: BG023639.D

Acq: 12 Aug 2016 1:58

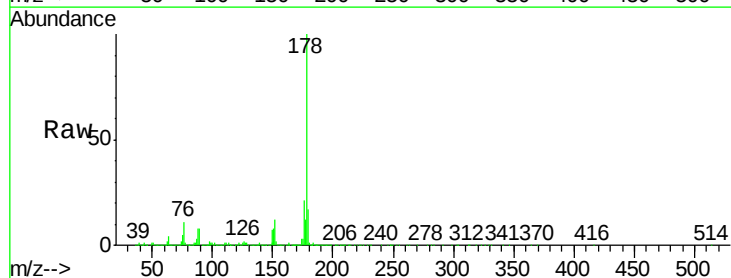
Tgt Ion:178 Resp: 924557

Ion Ratio Lower Upper

178 100

179 16.7 12.9 19.3

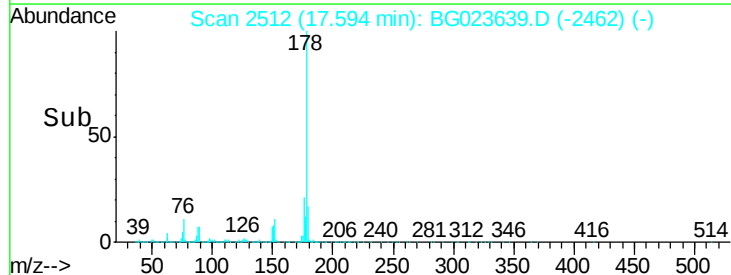
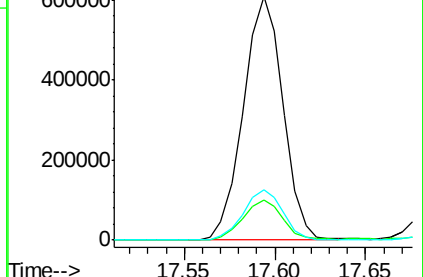
176 20.8 15.8 23.8

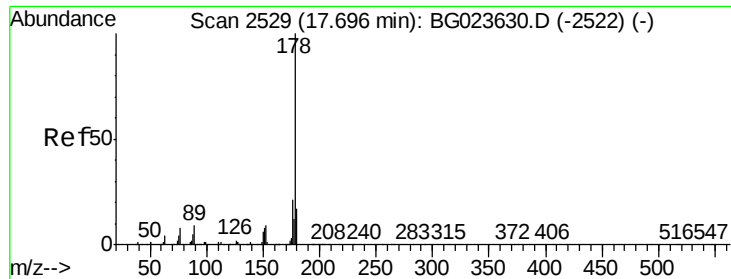


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 1.73 ng/ul

RT: 17.69 min Scan# 2528

Delta R.T. -0.01 min

Lab File: BG023639.D

Acq: 12 Aug 2016 1:58

Instrument :

BNA_G

ClientSampleId :

PR001-SS002-1218-01

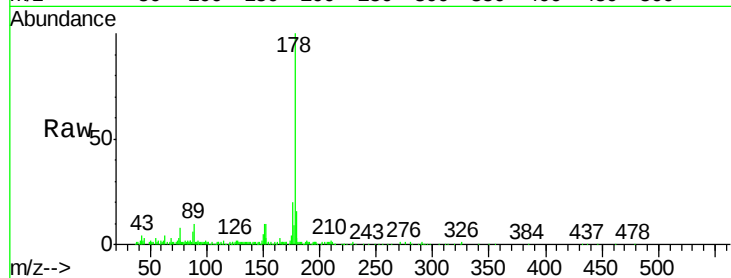
Tgt Ion:178 Resp: 96927

Ion Ratio Lower Upper

178 100

179 15.9 12.3 18.5

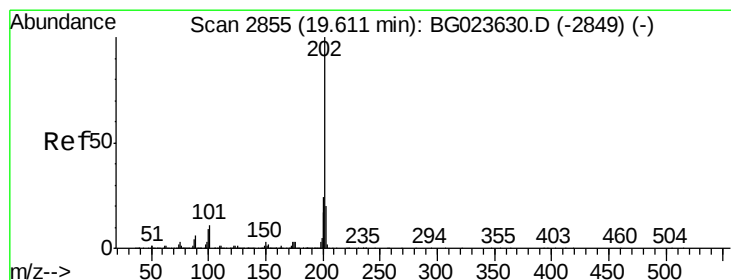
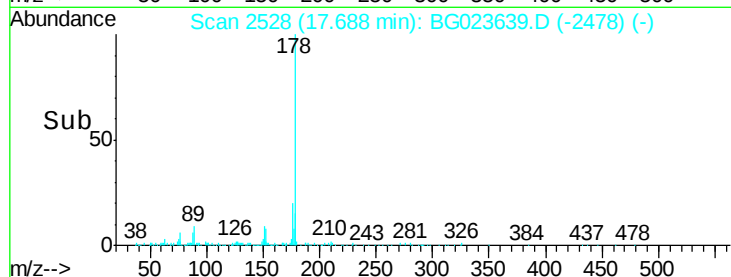
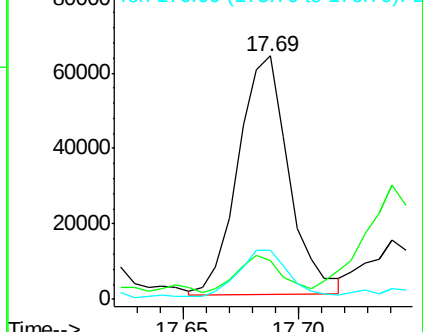
176 20.0 16.3 24.5



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: 19.84 ng/ul

RT: 19.61 min Scan# 2855

Delta R.T. -0.00 min

Lab File: BG023639.D

Acq: 12 Aug 2016 1:58

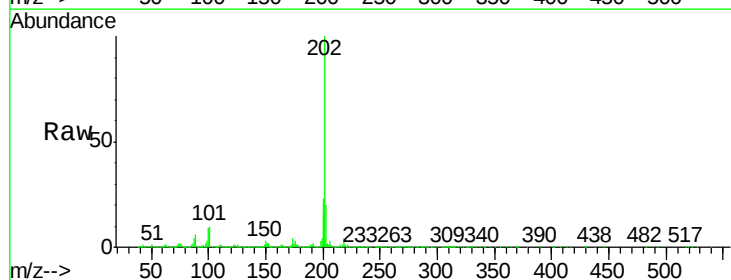
Tgt Ion:202 Resp: 1118460

Ion Ratio Lower Upper

202 100

101 10.4 10.6 16.0#

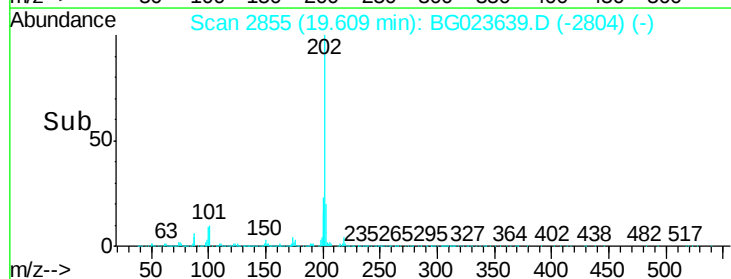
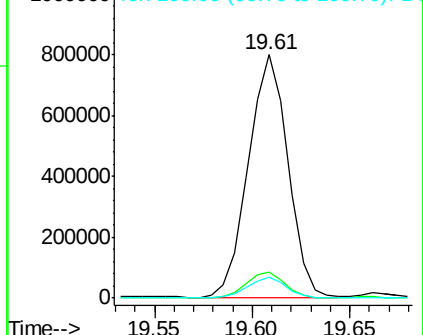
100 8.7 8.7 13.1

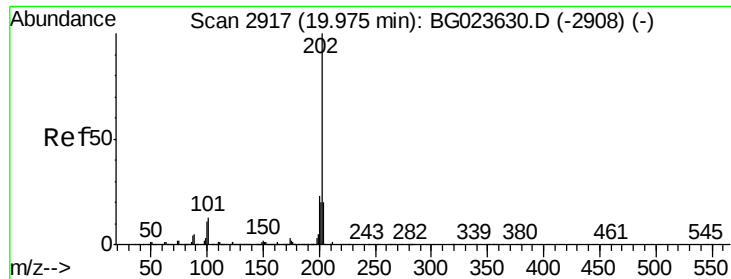


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 22.96 ng/ul

RT: 19.97 min Scan# 2917

Delta R.T. -0.00 min

Lab File: BG023639.D

Acq: 12 Aug 2016 1:58

Instrument :

BNA_G

ClientSampleId :

PR001-SS002-1218-01

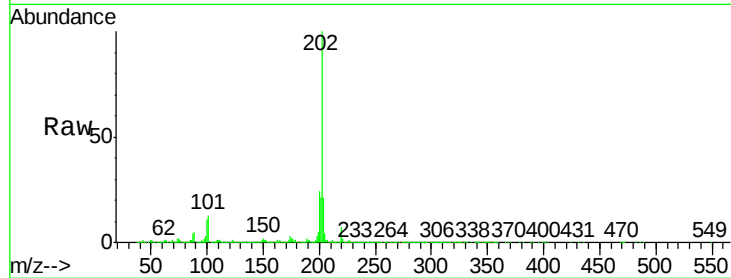
Tgt Ion:202 Resp: 1532240

Ion Ratio Lower Upper

202 100

101 12.6 12.5 18.7

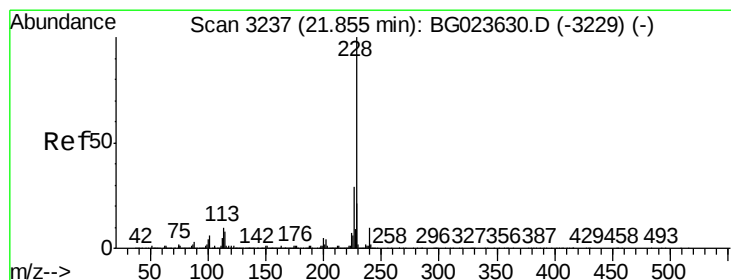
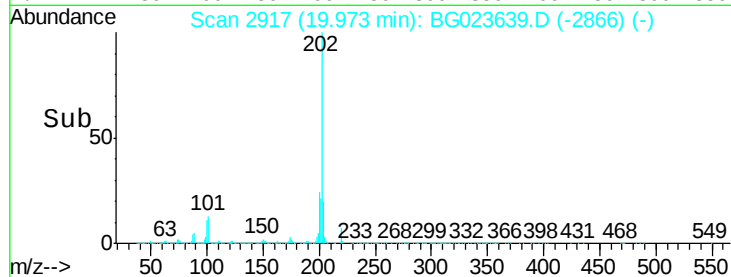
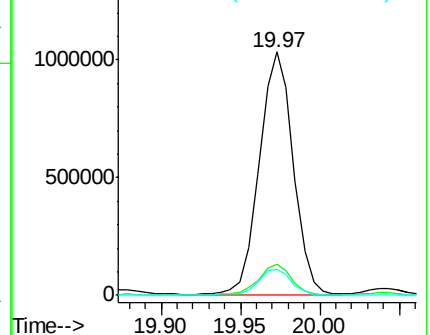
100 10.9 10.2 15.4



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: 13.16 ng/ul

RT: 21.92 min Scan# 3249

Delta R.T. 0.07 min

Lab File: BG023639.D

Acq: 12 Aug 2016 1:58

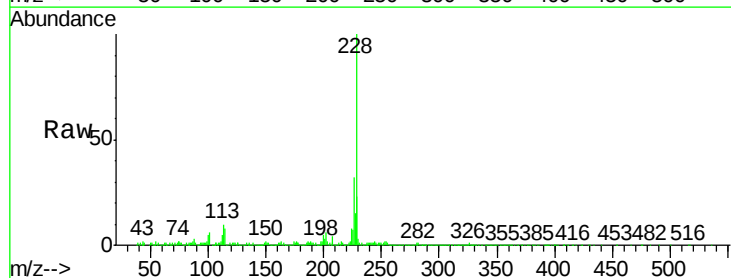
Tgt Ion:228 Resp: 800223

Ion Ratio Lower Upper

228 100

229 22.5 15.4 23.2

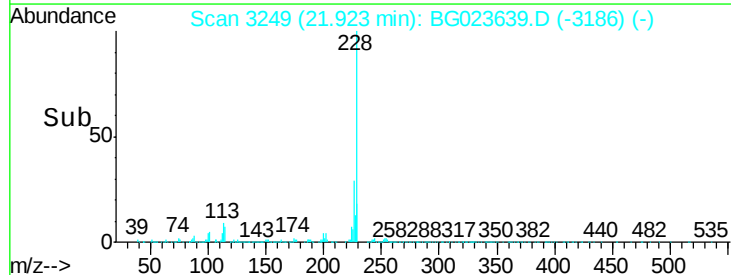
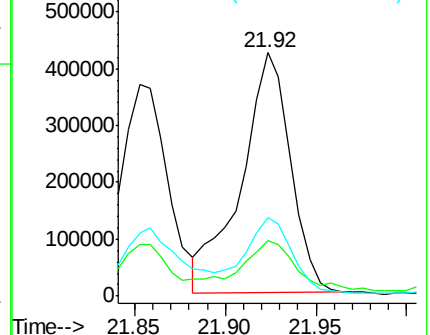
226 32.1 22.8 34.2

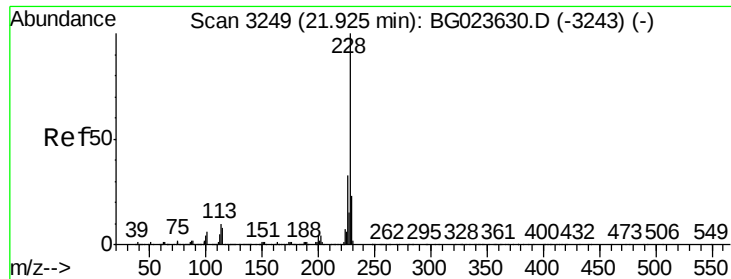


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 14.77 ng/ul

RT: 21.92 min Scan# 3249

Delta R.T. -0.00 min

Lab File: BG023639.D

Acq: 12 Aug 2016 1:58

Instrument :

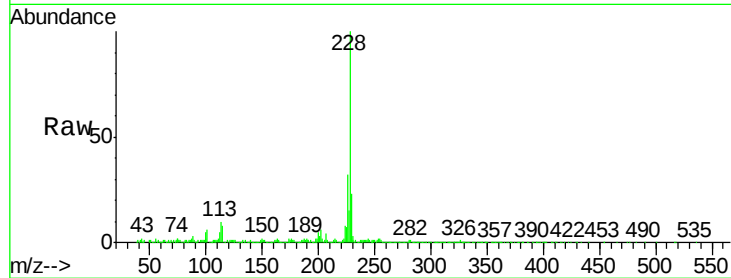
BNA_G

ClientSampleId :

PR001-SS002-1218-01

Tgt Ion: 228 Resp: 816535

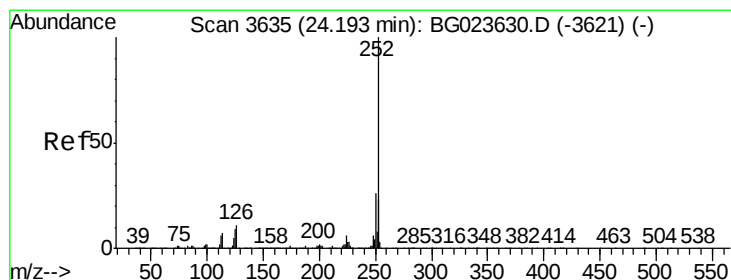
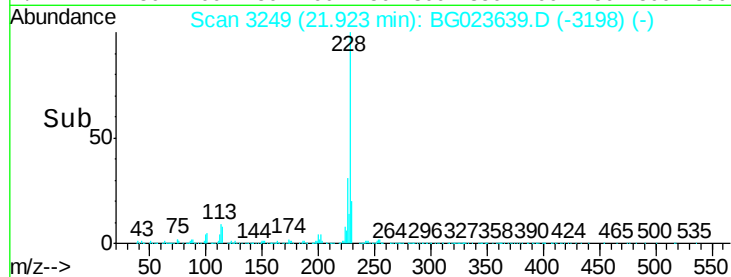
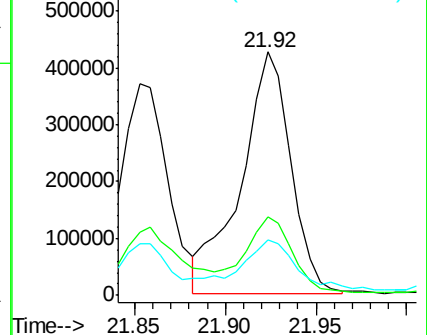
Ion	Ratio	Lower	Upper
228	100		
226	32.1	24.2	36.4
229	22.5	15.0	22.6



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



#85

Benzo(b)fluoranthene

Concen: 11.73 ng/ul

RT: 24.20 min Scan# 3637

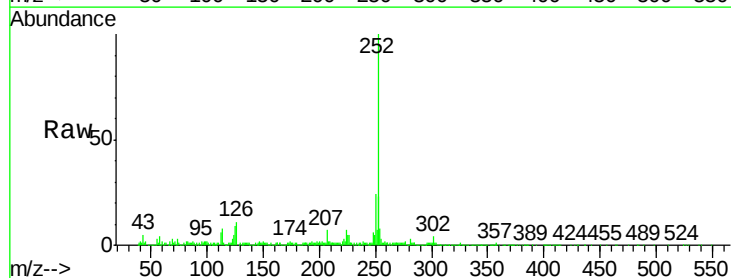
Delta R.T. 0.01 min

Lab File: BG023639.D

Acq: 12 Aug 2016 1:58

Tgt Ion: 252 Resp: 747143

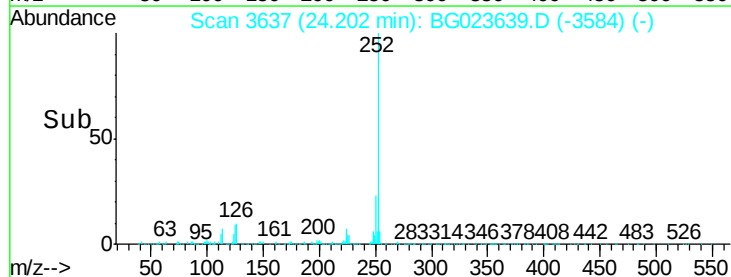
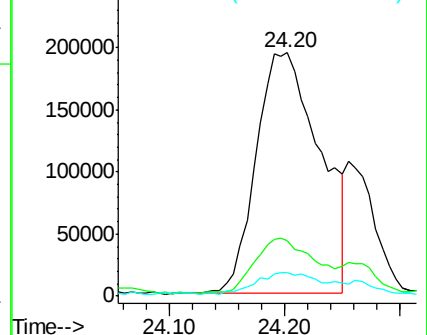
Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	9.4	10.8	16.2#

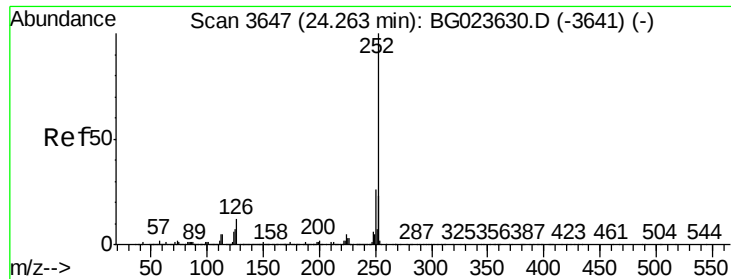


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

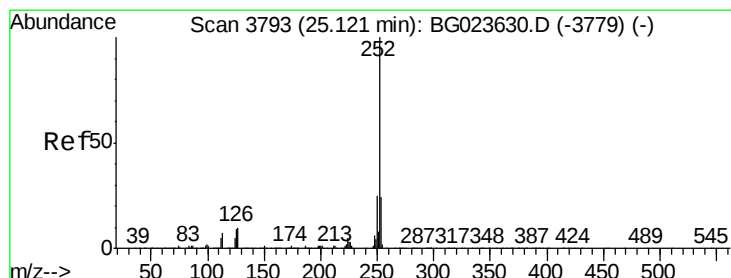
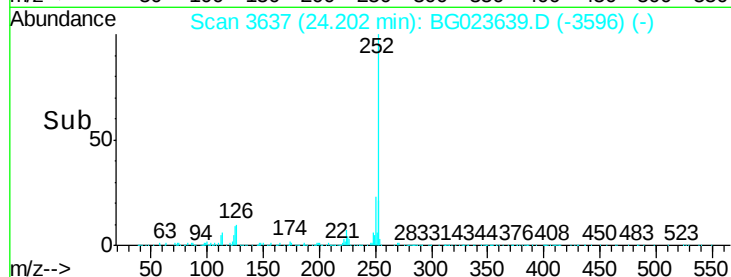
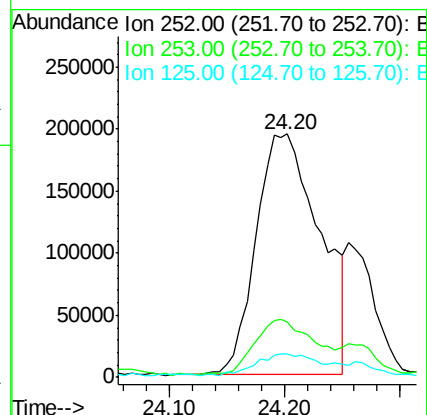
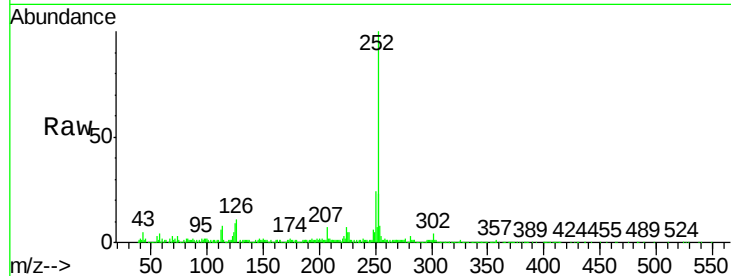




#86
Benzo(k)fluoranthene
Concen: 11.92 ng/ul
RT: 24.20 min Scan# 3637
Delta R.T. -0.06 min
Lab File: BG023639.D
Acq: 12 Aug 2016 1:58

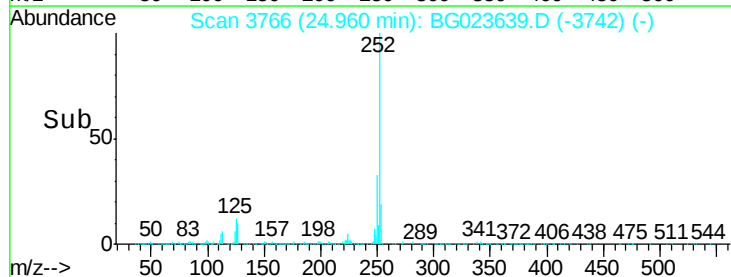
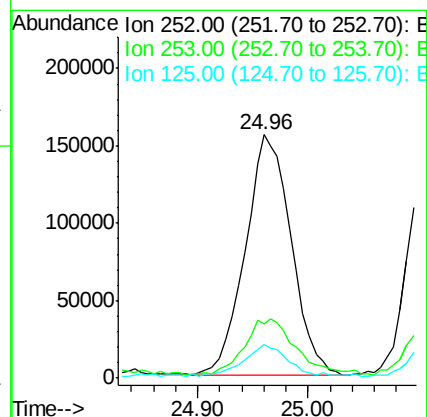
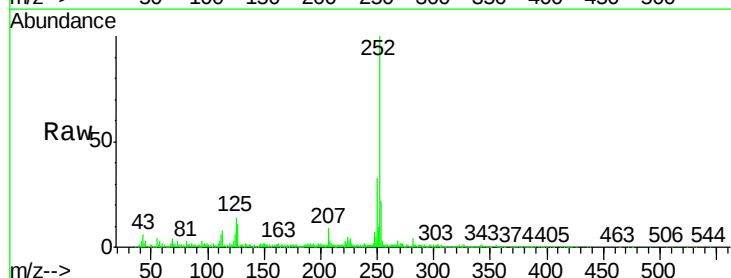
Instrument :
BNA_G
ClientSampleId :
PR001-SS002-1218-01

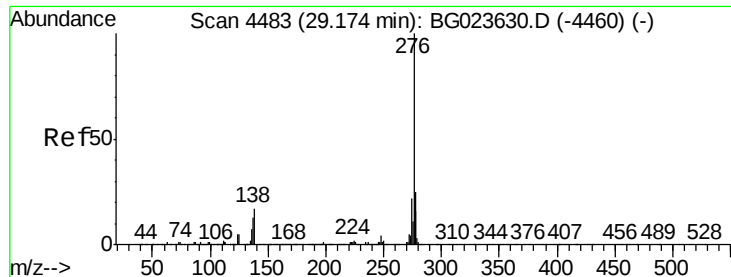
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	15.8	23.6
125	9.4	10.6	16.0



#88
Benzo(a)pyrene
Concen: 7.36 ng/ul
RT: 24.96 min Scan# 3766
Delta R.T. -0.16 min
Lab File: BG023639.D
Acq: 12 Aug 2016 1:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	19.0	28.4
125	13.7	12.0	18.0





#89

Indeno(1,2,3-cd)pyrene

Concen: 5.20 ng/ul

RT: 29.17 min Scan# 4483

Delta R.T. -0.00 min

Lab File: BG023639.D

Acq: 12 Aug 2016 1:58

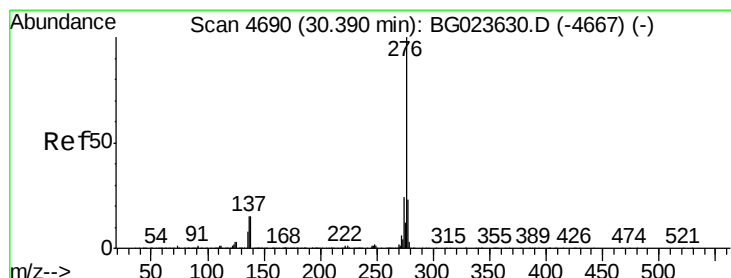
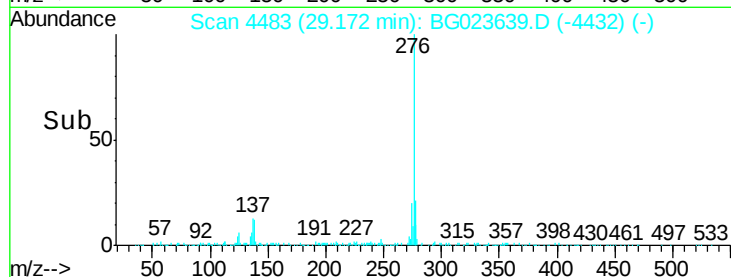
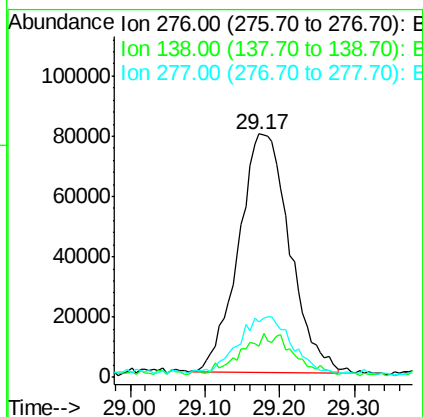
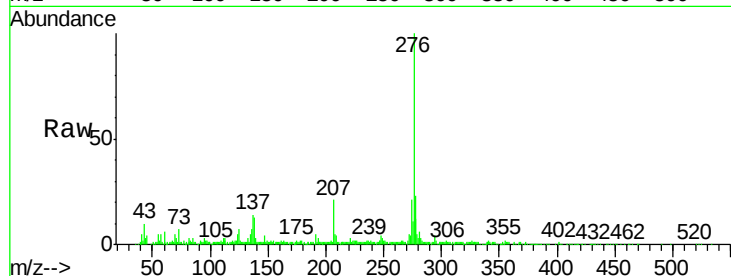
Instrument :

BNA_G

ClientSampleId :

PR001-SS002-1218-01

Tgt Ion:	276	Resp:	375451
Ion Ratio		Lower	Upper
276	100		
138	12.8	20.8	31.2#
277	22.9	17.6	26.4



#91

Benzo(g,h,i)perylene

Concen: 3.18 ng/ul

RT: 30.39 min Scan# 4690

Delta R.T. -0.00 min

Lab File: BG023639.D

Acq: 12 Aug 2016 1:58

Tgt Ion:	276	Resp:	190587
Ion Ratio		Lower	Upper
276	100		
138	17.9	22.1	33.1#
277	22.1	17.0	25.4

