

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
 Data File : BG023625.D
 Acq On : 11 Aug 2016 14:00
 Operator : UM/SJ
 Sample : H4362-02 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR001-SS004-3642-01

Quant Time: Aug 12 03:45:41 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 12 03:45:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	212550	20.00	ng/ul	0.00
18) Naphthalene-d8	10.95	136	984672	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	634722	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.55	188	1106580	20.00	ng/ul	0.00
75) Chrysene-d12	21.88	240	1084522	20.00	ng/ul	0.00
83) Perylene-d12	25.29	264	1100773	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.49	96	3238	0.65	ng/uL	0.00
5) Phenol-d5	7.27	99	138124	6.45	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.43	67	123215	8.98	ng/ul	0.00
9) 2-Chlorophenol-d4	7.64	132	123185	8.43	ng/ul	0.00
13) 4-Methylphenol-d8	8.83	113	74406	4.45	ng/ul	0.00
19) Nitrobenzene-d5	9.29	128	71287	9.18	ng/ul	0.00
22) 2-Nitrophenol-d4	10.02	143	90164	10.11	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.57	165	148985	8.86	ng/ul	0.00
29) 4-Chloroaniline-d4	11.09	131	103870	5.27	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	489591	9.42	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	579399	9.91	ng/ul	0.00
51) 4-Nitrophenol-d4	15.02	143	25869	2.92	ng/ul	0.02
57) Fluorene-d10	15.78	176	414301	8.63	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.92	200	12507	1.76	ng/ul	0.00
70) Anthracene-d10	17.65	188	513521	10.30	ng/ul	0.00
76) Pyrene-d10	19.94	212	492787	8.98	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.05	264	491001	9.85	ng/ul	0.00

Target Compounds

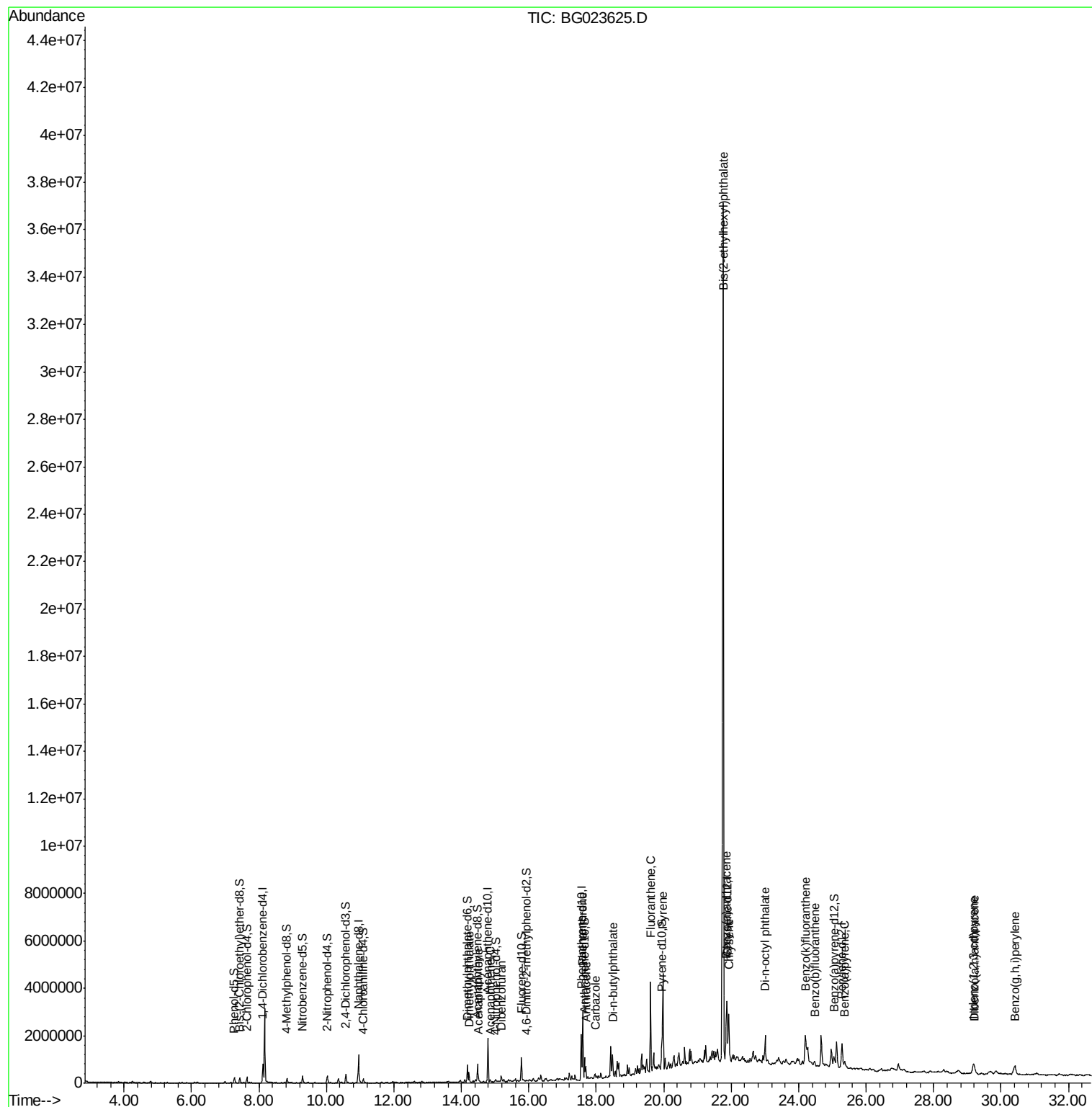
						Qvalue
44) Dimethylphthalate	14.23	163	270687	5.26	ng/ul	99
47) Acenaphthylene	14.51	152	101271	1.66	ng/ul	100
49) Acenaphthene	14.85	153	43699	1.05	ng/ul	95
53) Dibenzofuran	15.19	168	91924	1.49	ng/ul	89
69) Phenanthrene	17.59	178	1722446	30.06	ng/ul	95
71) Anthracene	17.69	178	378551	6.47	ng/ul	97
72) Carbazole	17.96	167	103905	2.21	ng/ul	99
73) Di-n-butylphthalate	18.50	149	83981	1.42	ng/ul#	90
74) Fluoranthene	19.61	202	2248638	38.33	ng/ul	98
77) Pyrene	19.97	202	2328057	34.72	ng/ul	98
80) Benzo(a)anthracene	21.86	228	1352478	22.14	ng/ul#	91
81) Bis(2-ethylhexyl)phthalate	21.76	149	8902507	260.36	ng/ul#	1
82) Chrysene	21.93	228	1362408	24.53	ng/ul#	92
84) Di-n-octyl phthalate	23.00	149	1055950	18.99	ng/ul	100
85) Benzo(b)fluoranthene	24.47	252	162791	2.60	ng/ul	93
86) Benzo(k)fluoranthene	24.20	252	1473926	23.91	ng/ul#	92
88) Benzo(a)pyrene	25.36	252	261426	4.32	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	29.18	276	753921	10.61	ng/ul#	87
90) Dibenzo(a,h)anthracene	29.21	278	112896	1.86	ng/ul#	87
91) Benzo(g,h,i)perylene	30.41	276	731720	12.42	ng/ul#	88

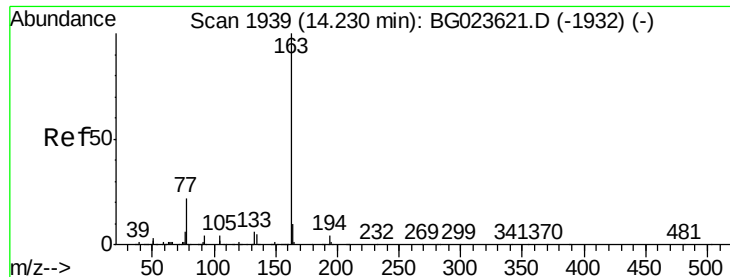
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 12 03:45:04 2016
Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 5.26 ng/ul

RT: 14.23 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BG023625.D

Acq: 11 Aug 2016 14:00

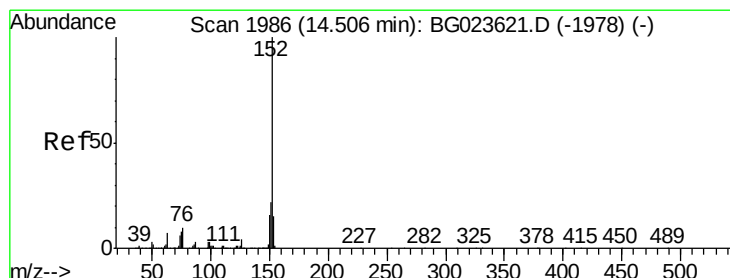
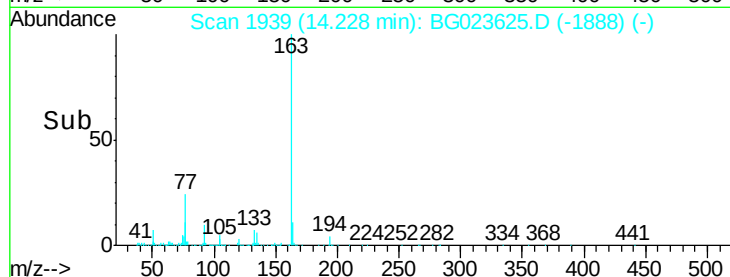
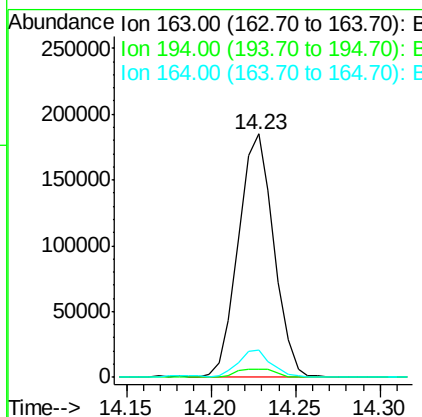
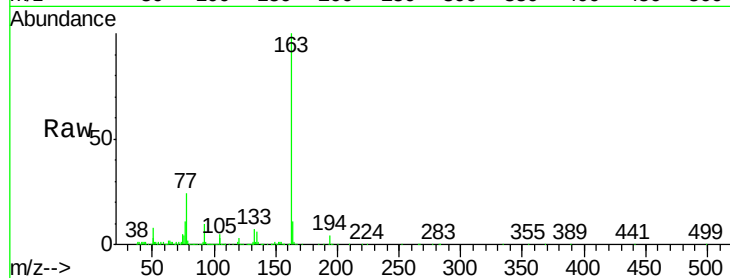
Instrument :

BNA_G

ClientSampleId :

PR001-SS004-3642-01

Tgt Ion:	163	Resp:	270687
Ion Ratio		Lower	Upper
163	100		
194	3.5	3.4	5.2
164	11.2	8.8	13.2



#47

Acenaphthylene

Concen: 1.66 ng/ul

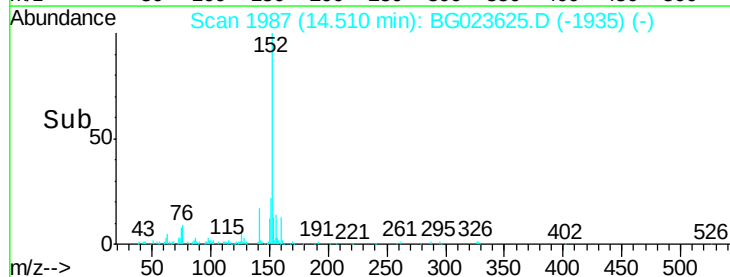
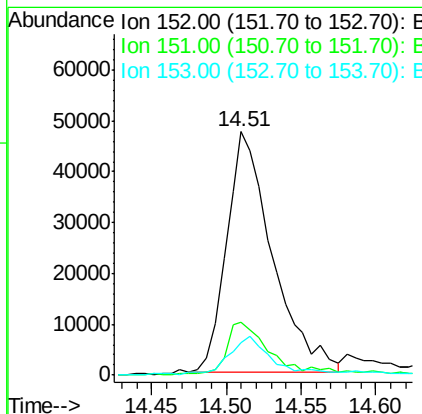
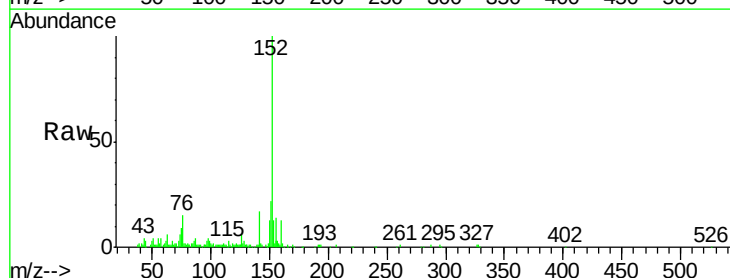
RT: 14.51 min Scan# 1987

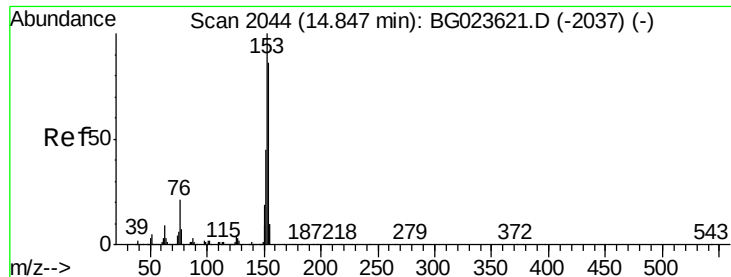
Delta R.T. 0.00 min

Lab File: BG023625.D

Acq: 11 Aug 2016 14:00

Tgt Ion:	152	Resp:	101271
Ion Ratio		Lower	Upper
152	100		
151	21.9	17.5	26.3
153	13.5	11.1	16.7





#49

Acenaphthene

Concen: 1.05 ng/ul

RT: 14.85 min Scan# 2045

Delta R.T. 0.00 min

Lab File: BG023625.D

Acq: 11 Aug 2016 14:00

Instrument :

BNA_G

ClientSampleId :

PR001-SS004-3642-01

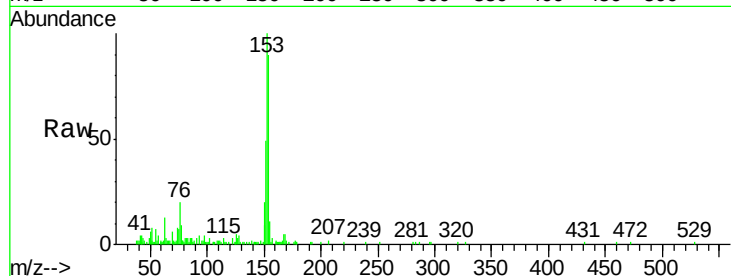
Tgt Ion:153 Resp: 43699

Ion Ratio Lower Upper

153 100

152 48.8 37.3 55.9

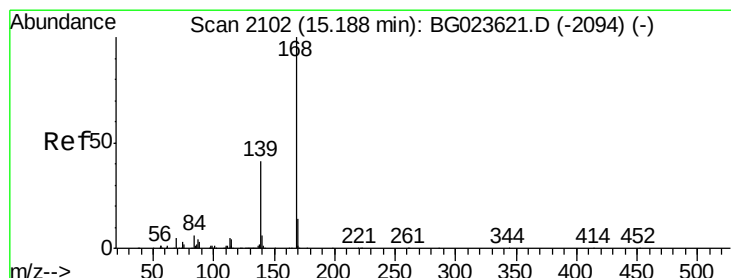
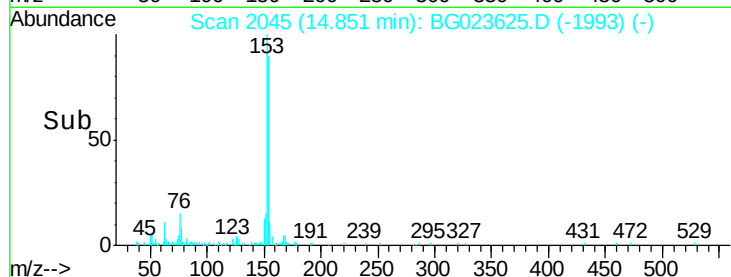
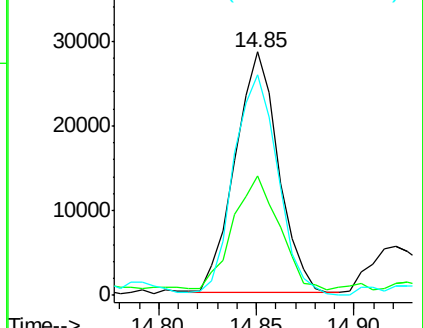
154 90.4 68.2 102.2



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 1.49 ng/ul

RT: 15.19 min Scan# 2102

Delta R.T. -0.00 min

Lab File: BG023625.D

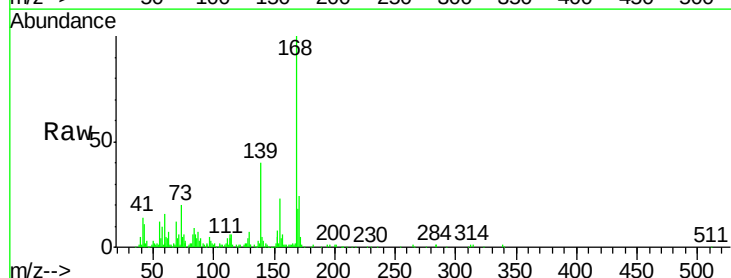
Acq: 11 Aug 2016 14:00

Tgt Ion:168 Resp: 91924

Ion Ratio Lower Upper

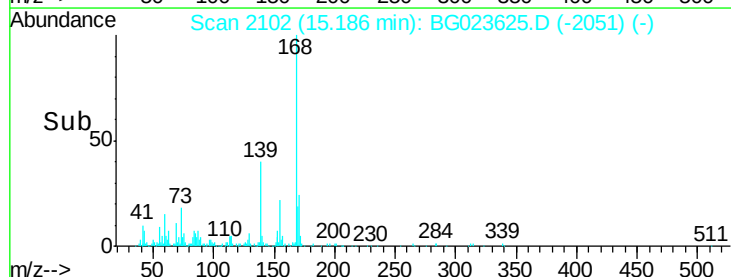
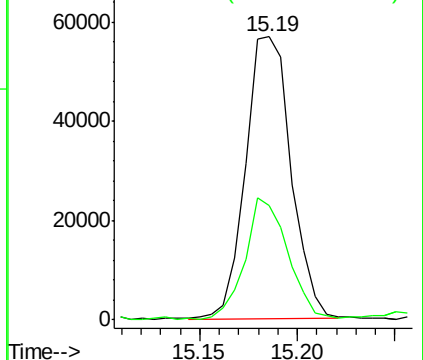
168 100

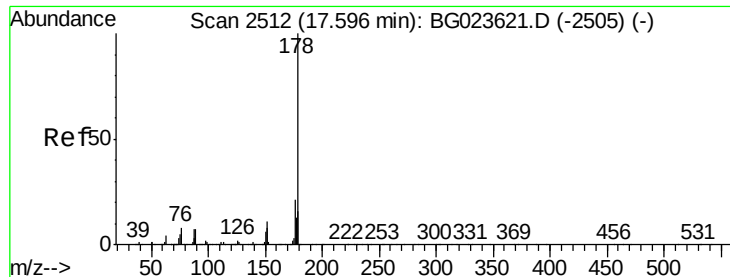
139 40.5 27.4 41.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#69

Phenanthrene

Concen: 30.06 ng/ul

RT: 17.59 min Scan# 2512

Delta R.T. -0.00 min

Lab File: BG023625.D

Acq: 11 Aug 2016 14:00

Instrument :

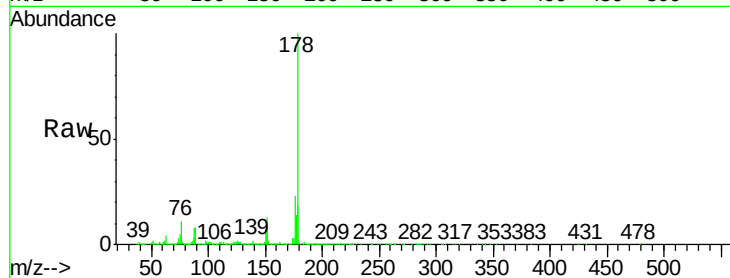
BNA_G

ClientSampleId :

PR001-SS004-3642-01

Tgt Ion:178 Resp: 1722446

Ion	Ratio	Lower	Upper
178	100		
179	18.0	12.9	19.3
176	22.7	15.8	23.8

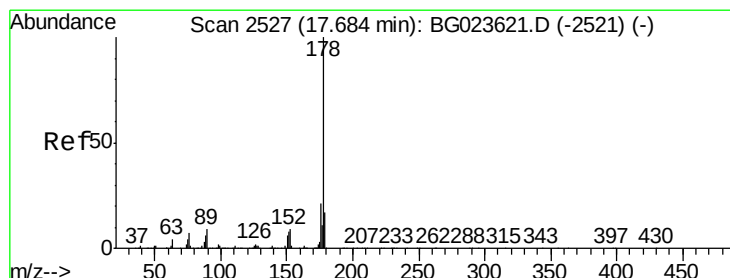
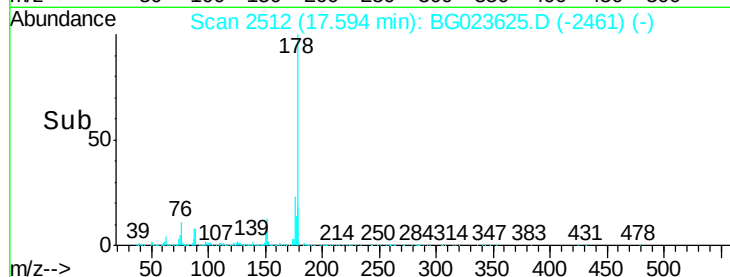
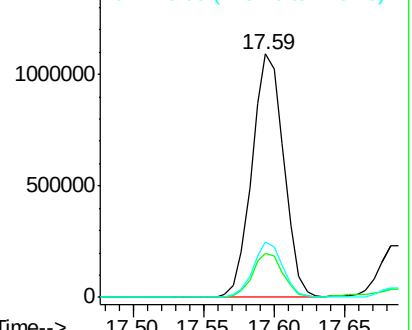


Abundance

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: 6.47 ng/ul

RT: 17.69 min Scan# 2528

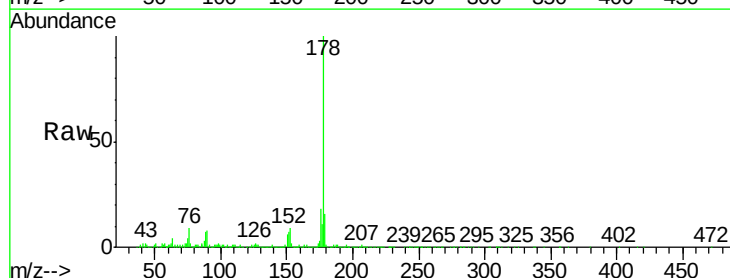
Delta R.T. 0.00 min

Lab File: BG023625.D

Acq: 11 Aug 2016 14:00

Tgt Ion:178 Resp: 378551

Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.3	18.5
176	18.4	16.3	24.5

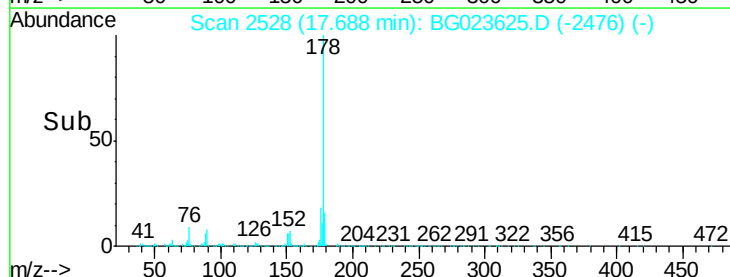
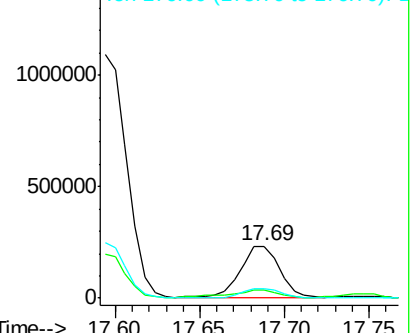


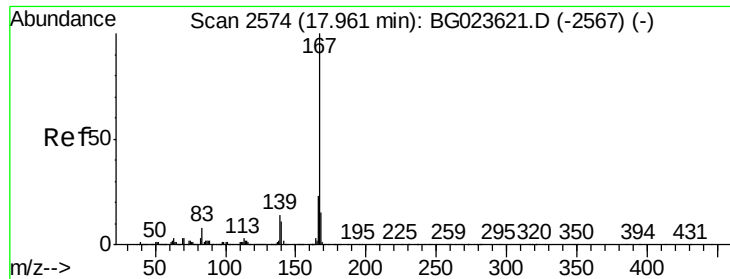
Abundance

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





#72

Carbazole

Concen: 2.21 ng/ul

RT: 17.96 min Scan# 2575

Delta R.T. 0.00 min

Lab File: BG023625.D

Acq: 11 Aug 2016 14:00

Instrument :

BNA_G

ClientSampleId :

PR001-SS004-3642-01

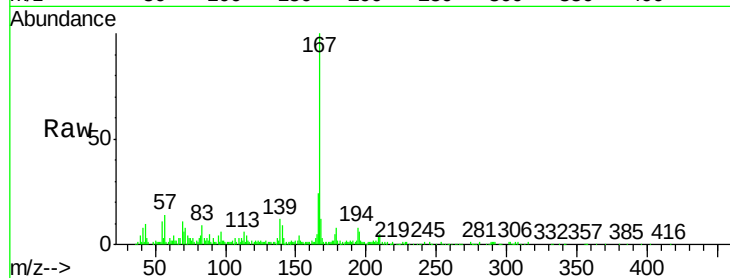
Tgt Ion:167 Resp: 103905

Ion Ratio Lower Upper

167 100

166 24.1 19.2 28.8

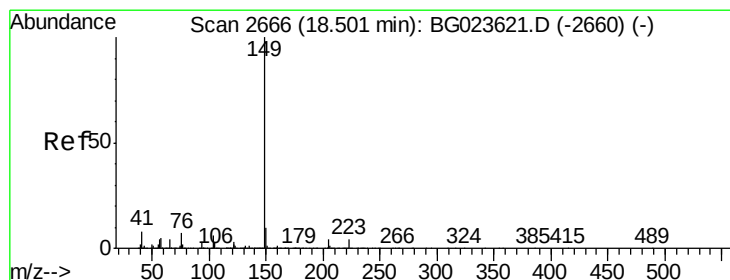
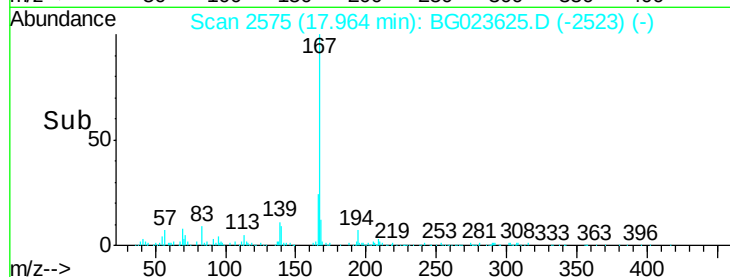
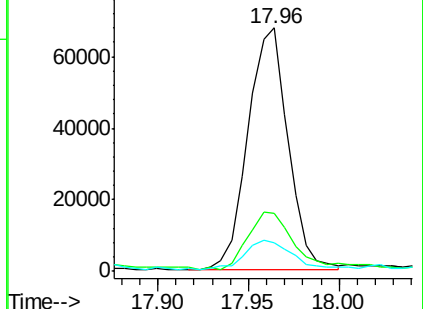
139 12.0 10.2 15.4



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 1.42 ng/ul

RT: 18.50 min Scan# 2666

Delta R.T. -0.00 min

Lab File: BG023625.D

Acq: 11 Aug 2016 14:00

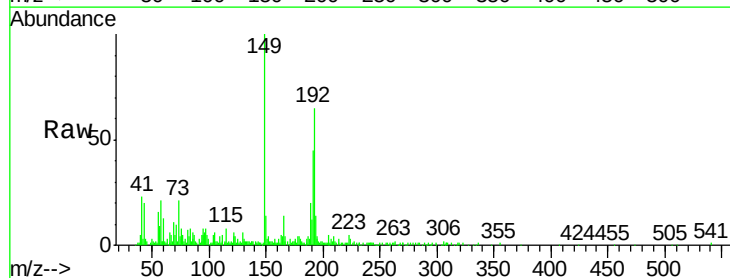
Tgt Ion:149 Resp: 83981

Ion Ratio Lower Upper

149 100

150 13.9 7.1 10.7#

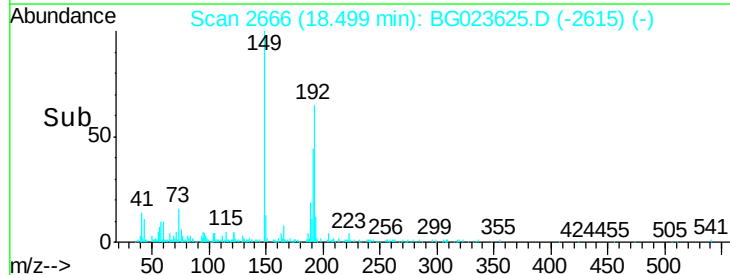
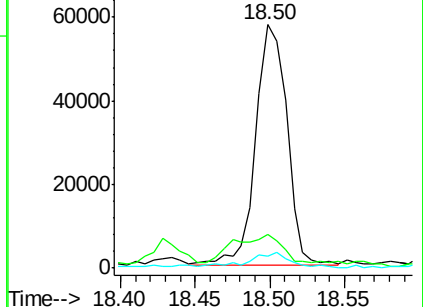
104 4.8 3.3 4.9

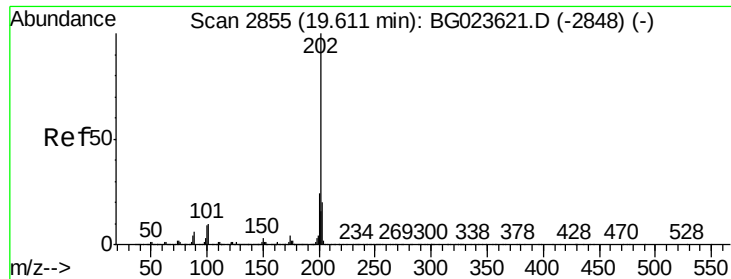


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 38.33 ng/ul

RT: 19.61 min Scan# 2855

Delta R.T. -0.00 min

Lab File: BG023625.D

Acq: 11 Aug 2016 14:00

Instrument :

BNA_G

ClientSampleId :

PR001-SS004-3642-01

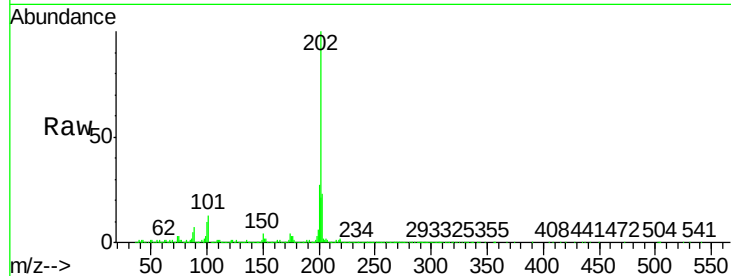
Tgt Ion:202 Resp: 2248638

Ion Ratio Lower Upper

202 100

101 12.7 10.6 16.0

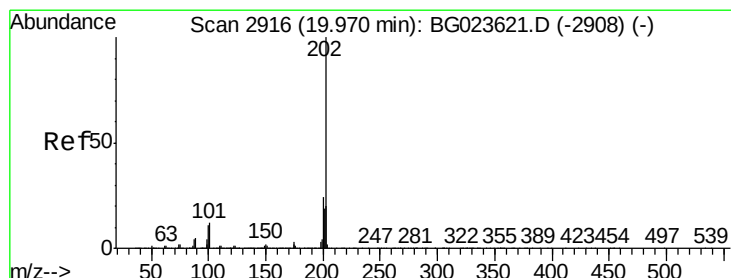
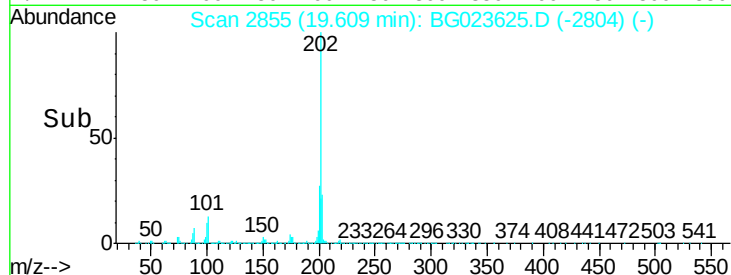
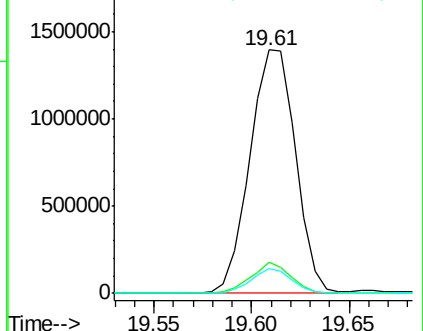
100 9.9 8.7 13.1



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: 34.72 ng/ul

RT: 19.97 min Scan# 2917

Delta R.T. 0.00 min

Lab File: BG023625.D

Acq: 11 Aug 2016 14:00

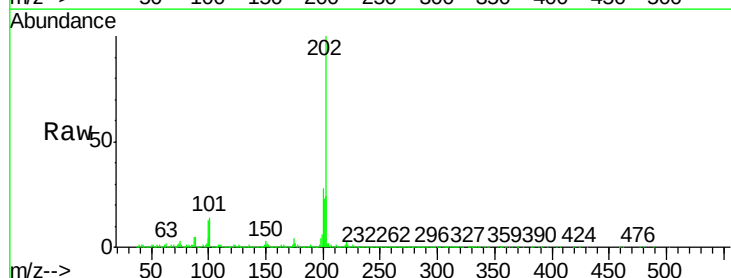
Tgt Ion:202 Resp: 2328057

Ion Ratio Lower Upper

202 100

101 14.5 12.5 18.7

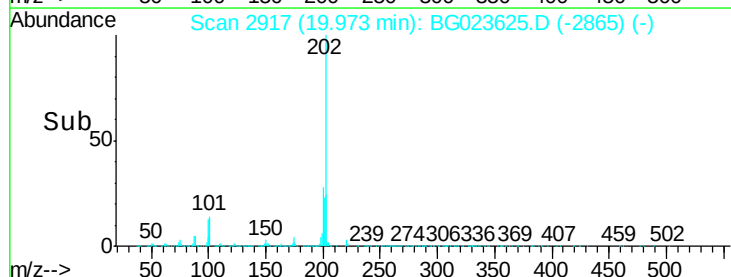
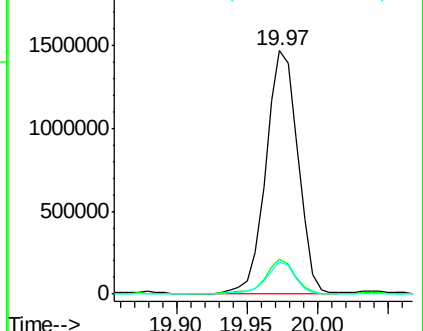
100 13.2 10.2 15.4

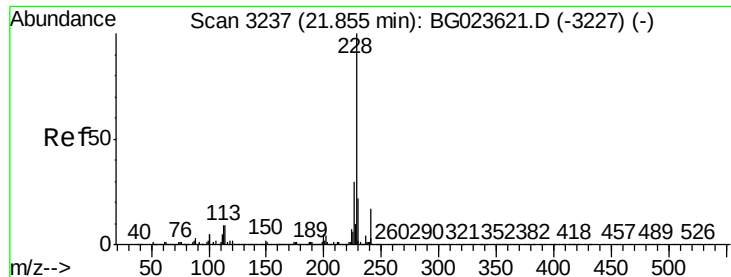


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 22.14 ng/ul

RT: 21.86 min Scan# 3238

Delta R.T. 0.00 min

Lab File: BG023625.D

Acq: 11 Aug 2016 14:00

Instrument :

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PR001-SS004-3642-01

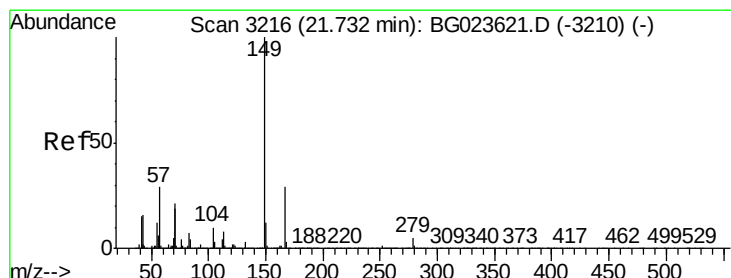
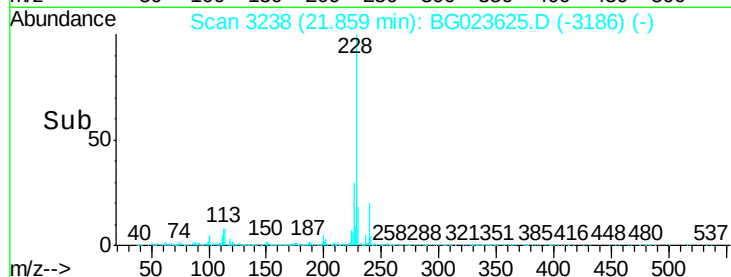
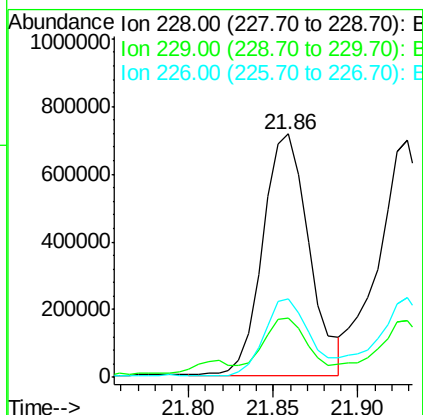
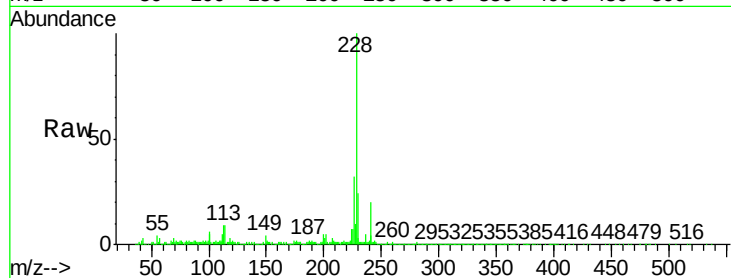
Tgt Ion:228 Resp: 1352478

Ion Ratio Lower Upper

228 100

229 24.2 15.4 23.2#

226 32.2 22.8 34.2



#81

Bis(2-ethylhexyl)phthalate

Concen: 260.36 ng/ul

RT: 21.76 min Scan# 3222

Delta R.T. 0.03 min

Lab File: BG023625.D

Acq: 11 Aug 2016 14:00

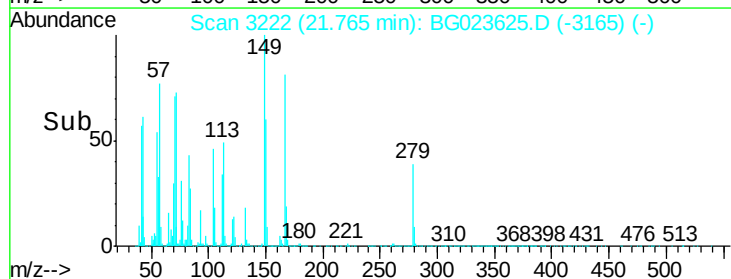
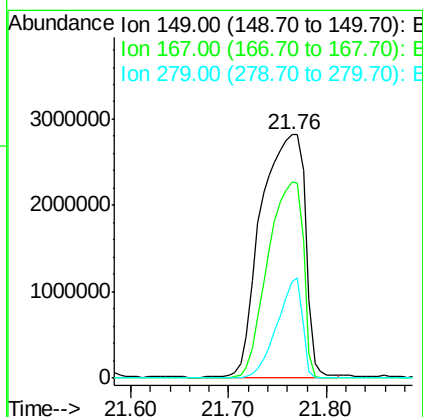
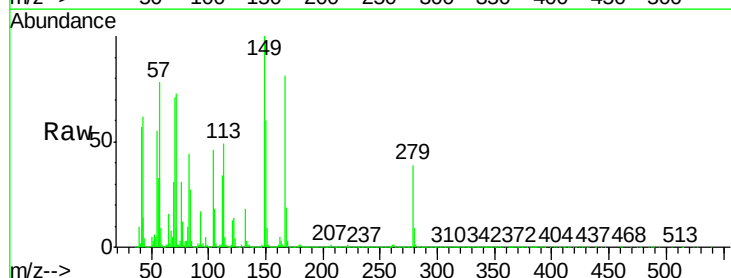
Tgt Ion:149 Resp: 8902507

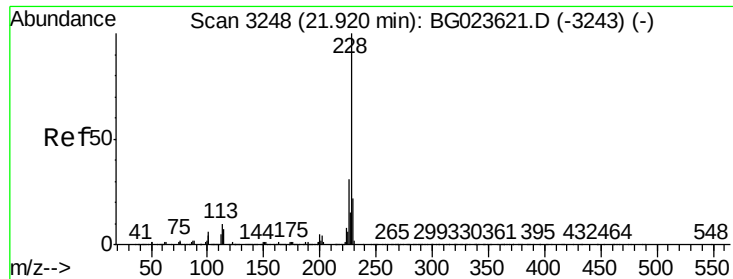
Ion Ratio Lower Upper

149 100

167 80.5 21.9 32.9#

279 39.4 2.9 4.3#





#82

Chrysene

Concen: 24.53 ng/ul

RT: 21.93 min Scan# 3250

Delta R.T. 0.01 min

Lab File: BG023625.D

Acq: 11 Aug 2016 14:00

Instrument :

BNA_G

ClientSampleId :

PR001-SS004-3642-01

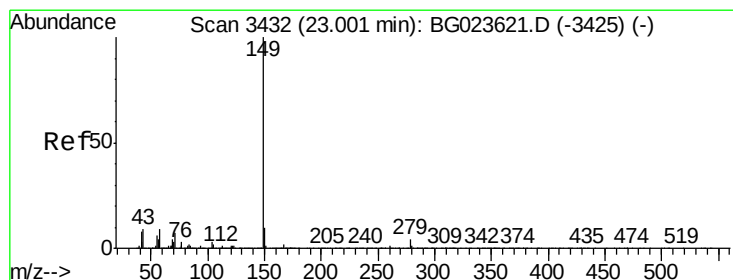
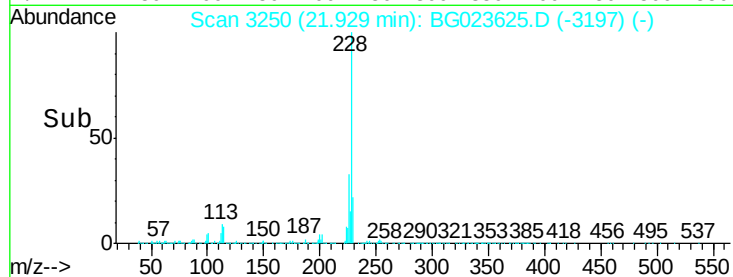
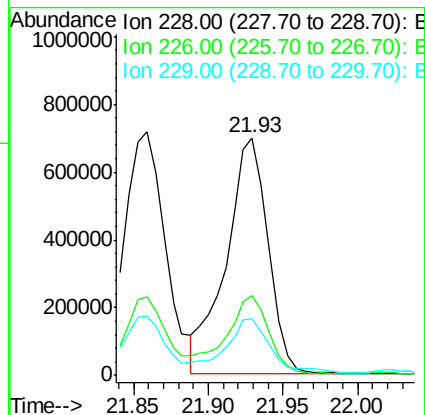
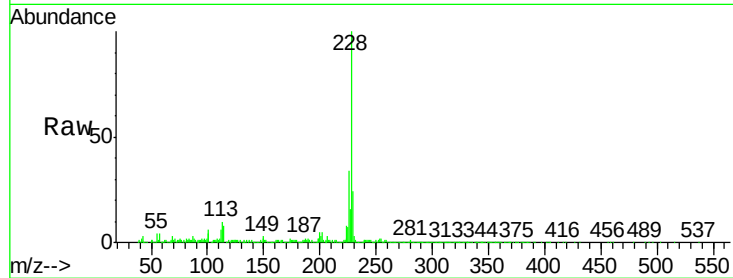
Tgt Ion:228 Resp: 1362408

Ion Ratio Lower Upper

228 100

226 33.6 24.2 36.4

229 24.1 15.0 22.6#



#84

Di-n-octyl phthalate

Concen: 18.99 ng/ul

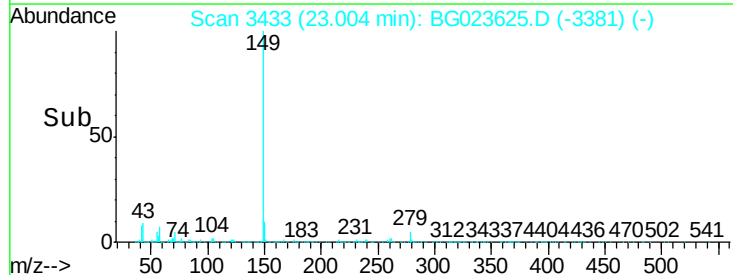
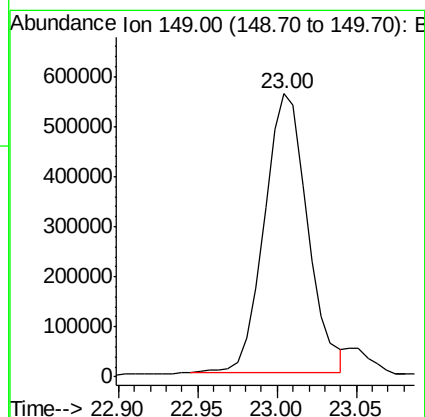
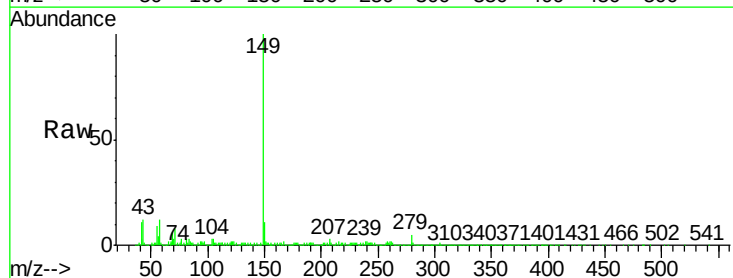
RT: 23.00 min Scan# 3433

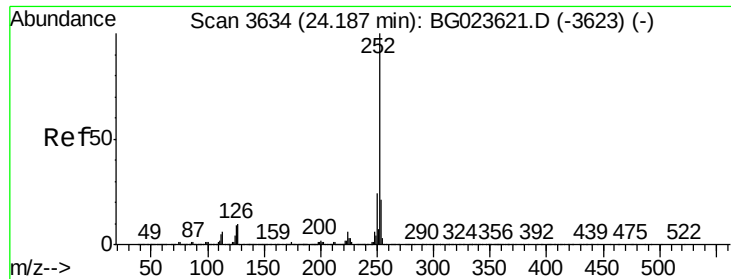
Delta R.T. 0.00 min

Lab File: BG023625.D

Acq: 11 Aug 2016 14:00

Tgt Ion:149 Resp: 1055950





#85

Benzo(b)fluoranthene

Concen: 2.60 ng/ul

RT: 24.47 min Scan# 3683

Delta R.T. 0.29 min

Lab File: BG023625.D

Acq: 11 Aug 2016 14:00

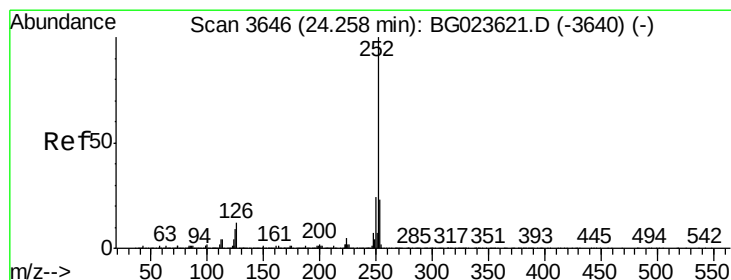
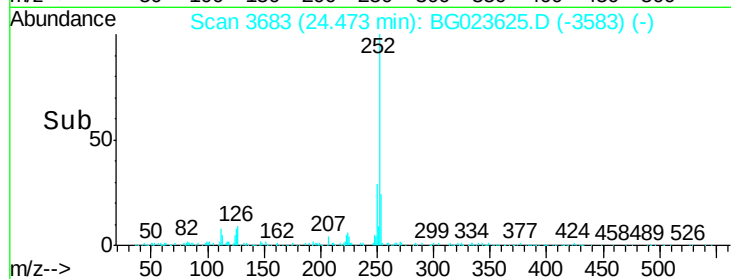
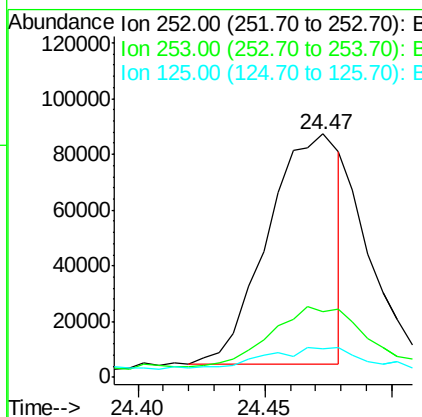
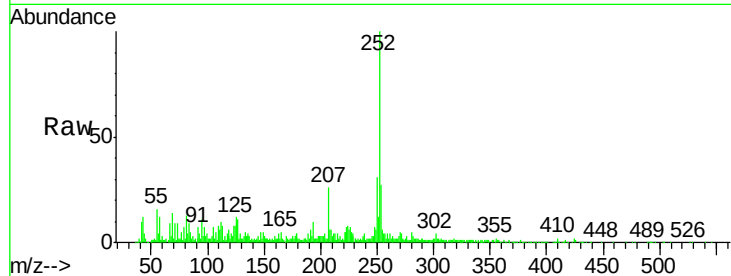
Instrument :

BNA_G

ClientSampleId :

PR001-SS004-3642-01

Tgt Ion:	252	Resp:	162791
Ion	Ratio	Lower	Upper
252	100		
253	27.1	18.2	27.2
125	11.6	10.8	16.2



#86

Benzo(k)fluoranthene

Concen: 23.91 ng/ul

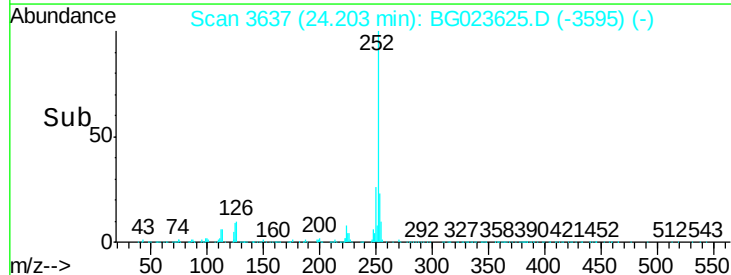
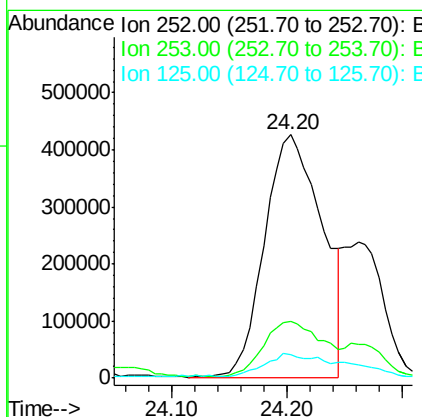
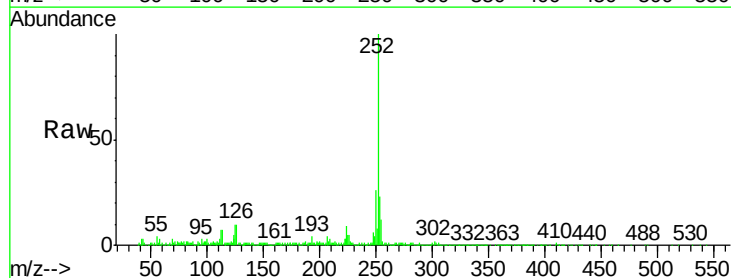
RT: 24.20 min Scan# 3637

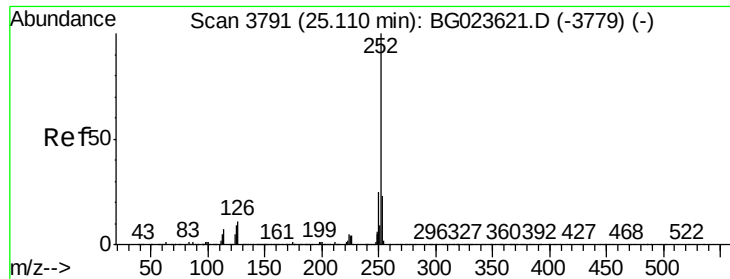
Delta R.T. -0.06 min

Lab File: BG023625.D

Acq: 11 Aug 2016 14:00

Tgt Ion:	252	Resp:	1473926
Ion	Ratio	Lower	Upper
252	100		
253	23.1	15.8	23.6
125	9.6	10.6	16.0#





#88

Benzo(a)pyrene

Concen: 4.32 ng/ul

RT: 25.36 min Scan# 3834

Delta R.T. 0.25 min

Lab File: BG023625.D

Acq: 11 Aug 2016 14:00

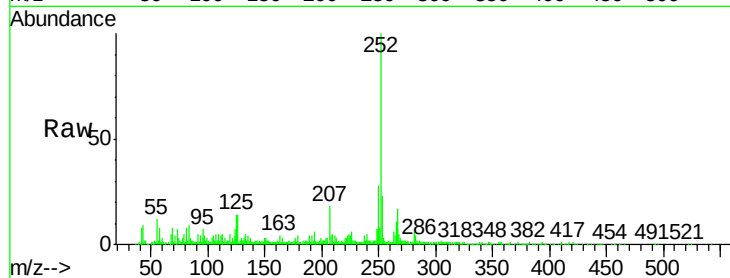
Instrument :

BNA_G

ClientSampleId :

PR001-SS004-3642-01

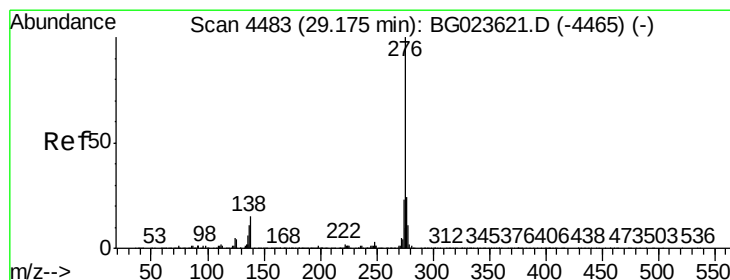
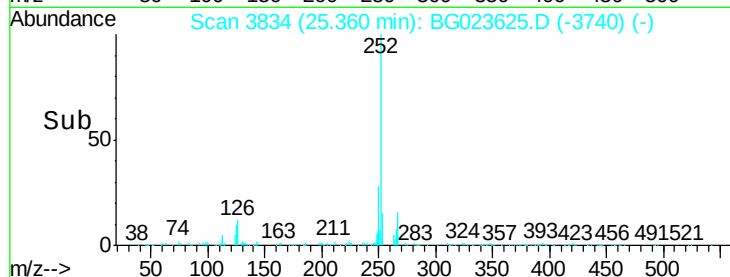
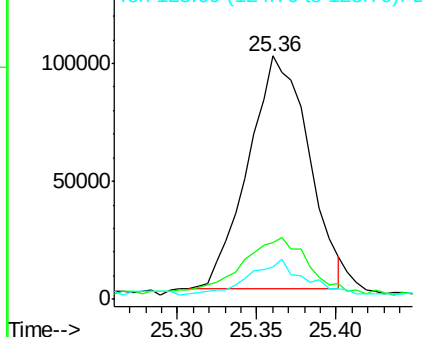
Tgt Ion:	252	Resp:	261426
Ion Ratio		Lower	Upper
252	100		
253	23.3	19.0	28.4
125	13.5	12.0	18.0



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

Indeno(1,2,3-cd)pyrene

Concen: 10.61 ng/ul

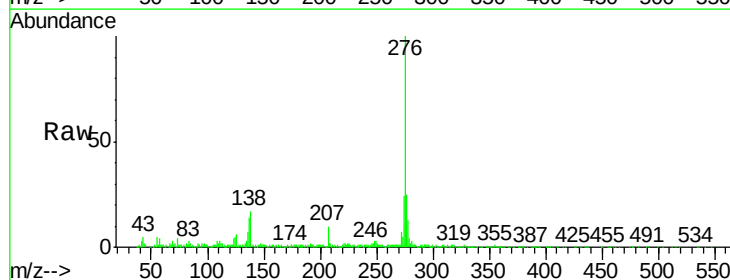
RT: 29.18 min Scan# 4485

Delta R.T. 0.01 min

Lab File: BG023625.D

Acq: 11 Aug 2016 14:00

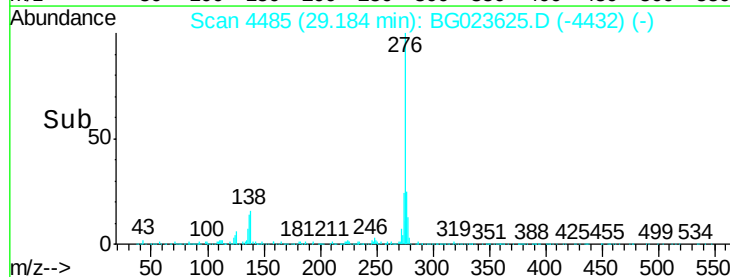
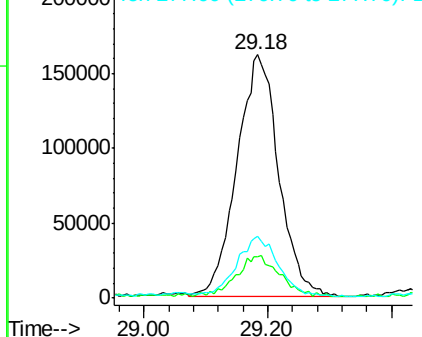
Tgt Ion:	276	Resp:	753921
Ion Ratio		Lower	Upper
276	100		
138	16.7	20.8	31.2#
277	25.2	17.6	26.4

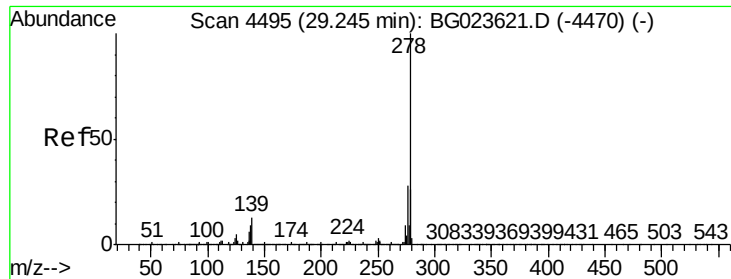


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 1.86 ng/ul

RT: 29.21 min Scan# 4490

Delta R.T. -0.03 min

Lab File: BG023625.D

Acq: 11 Aug 2016 14:00

Instrument :

BNA_G

ClientSampleId :

PR001-SS004-3642-01

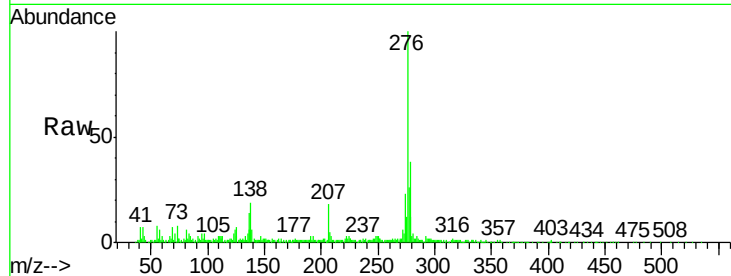
Tgt Ion:278 Resp: 112896

Ion Ratio Lower Upper

278 100

139 14.5 16.3 24.5#

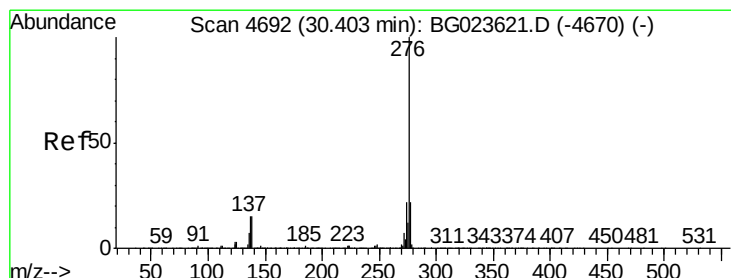
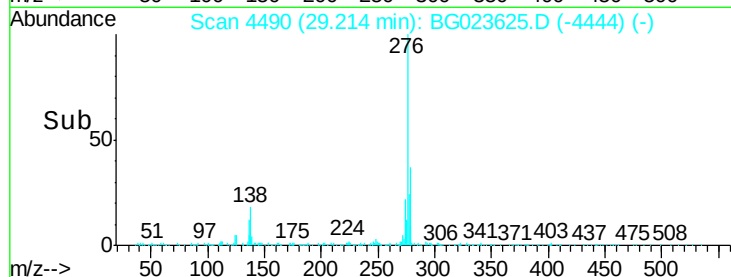
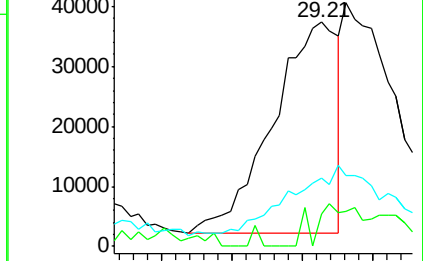
279 30.7 19.1 28.7#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 12.42 ng/ul

RT: 30.41 min Scan# 4694

Delta R.T. 0.01 min

Lab File: BG023625.D

Acq: 11 Aug 2016 14:00

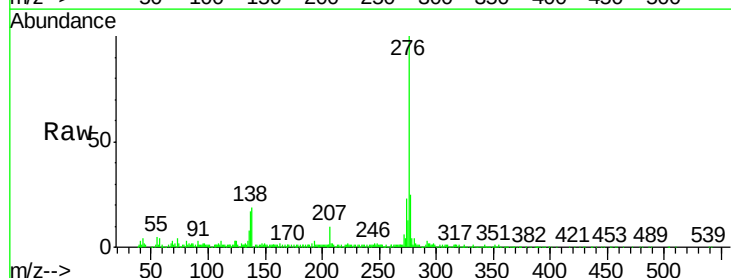
Tgt Ion:276 Resp: 731720

Ion Ratio Lower Upper

276 100

138 19.1 22.1 33.1#

277 24.8 17.0 25.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

