

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
 Data File : BG023642.D
 Acq On : 12 Aug 2016 3:51
 Operator : UM/SJ
 Sample : H4360-06 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR001-SS002-0612-01

Quant Time: Aug 12 04:38:02 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	183930	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.95	136	845783	20.00	ng/ul	-0.01
35) Acenaphthene-d10	14.79	164	556158	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.55	188	1214928	20.00	ng/ul	0.00
75) Chrysene-d12	21.88	240	1182887	20.00	ng/ul	0.00
83) Perylene-d12	25.28	264	1240261	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	973	0.22	ng/uL	0.00
5) Phenol-d5	7.27	99	65758	3.55	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.43	67	44382	3.74	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.64	132	47835	3.78	ng/ul	-0.01
13) 4-Methylphenol-d8	8.83	113	50695	3.50	ng/ul	-0.01
19) Nitrobenzene-d5	9.29	128	25111	3.77	ng/ul	-0.01
22) 2-Nitrophenol-d4	10.02	143	29651	3.87	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.58	165	51790	3.59	ng/ul	0.00
29) 4-Chloroaniline-d4	11.09	131	41455	2.45	ng/ul	-0.01
43) Dimethylphthalate-d6	14.18	166	193045	4.24	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	229073	4.47	ng/ul	0.00
51) 4-Nitrophenol-d4	14.99	143	119	0.02	ng/ul	-0.02
57) Fluorene-d10	15.78	176	174985	4.16	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.92	200	16750	2.15	ng/ul	0.00
70) Anthracene-d10	17.65	188	257942	4.71	ng/ul	-0.01
76) Pyrene-d10	19.94	212	279660	4.67	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.04	264	153909	2.74	ng/ul	0.00

Target Compounds

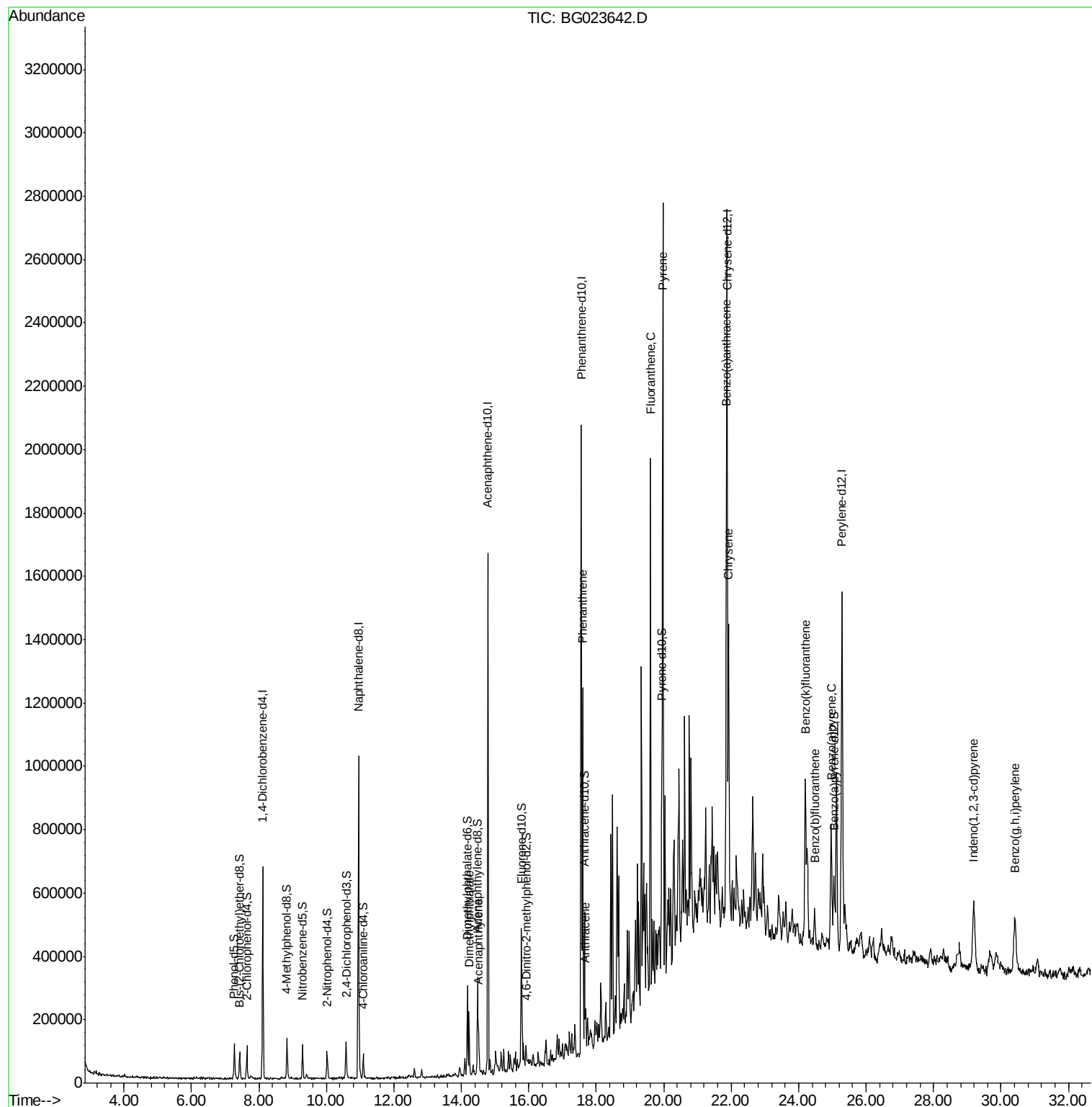
						Qvalue
44) Dimethylphthalate	14.23	163	108799	2.41	ng/ul	98
47) Acenaphthylene	14.51	152	108233	2.02	ng/ul	96
69) Phenanthrene	17.59	178	638246	10.14	ng/ul	96
71) Anthracene	17.68	178	97763	1.52	ng/ul	96
74) Fluoranthene	19.61	202	999188	15.51	ng/ul#	93
77) Pyrene	19.97	202	1330069	18.19	ng/ul#	94
80) Benzo(a)anthracene	21.85	228	606050	9.10	ng/ul#	95
82) Chrysene	21.92	228	691935	11.42	ng/ul#	95
85) Benzo(b)fluoranthene	24.47	252	79238	1.12	ng/ul	92
86) Benzo(k)fluoranthene	24.20	252	662640	9.54	ng/ul#	92
88) Benzo(a)pyrene	24.97	252	414997	6.09	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	29.18	276	166245	2.08	ng/ul#	89
91) Benzo(g,h,i)perylene	30.40	276	164923	2.49	ng/ul#	86

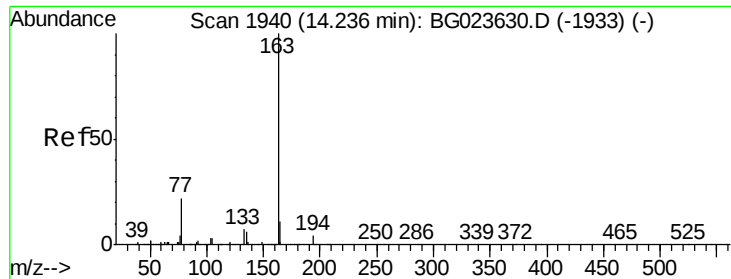
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 12 04:34:52 2016
Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 2.41 ng/ul

RT: 14.23 min Scan# 1939

Delta R.T. -0.01 min

Lab File: BG023642.D

Acq: 12 Aug 2016 3:51

Instrument :

BNA_G

ClientSampleId :

PR001-SS002-0612-01

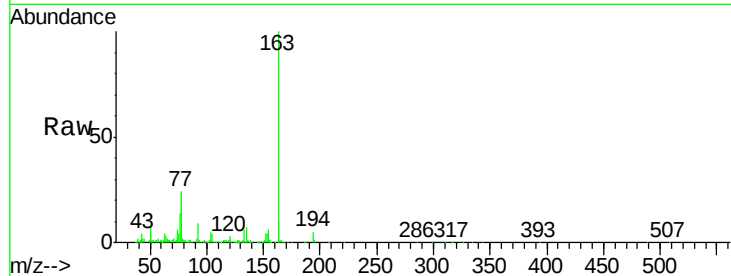
Tgt Ion:163 Resp: 108799

Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.2

164 10.2 8.8 13.2

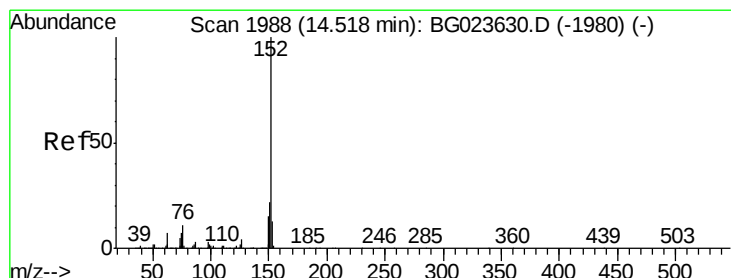
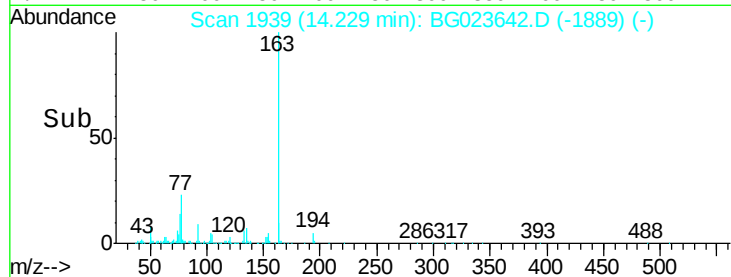
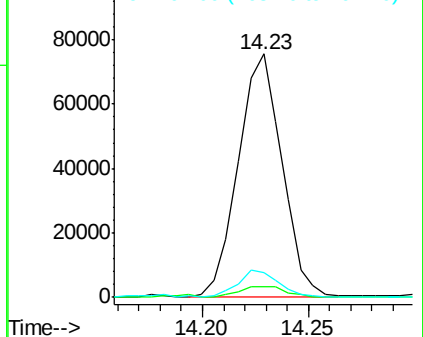


Abundance

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: 2.02 ng/ul

RT: 14.51 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BG023642.D

Acq: 12 Aug 2016 3:51

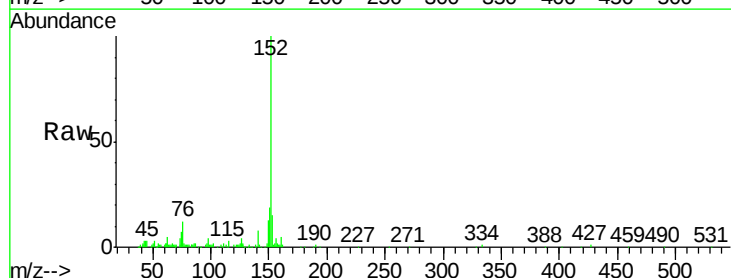
Tgt Ion:152 Resp: 108233

Ion Ratio Lower Upper

152 100

151 19.4 17.5 26.3

153 14.7 11.1 16.7

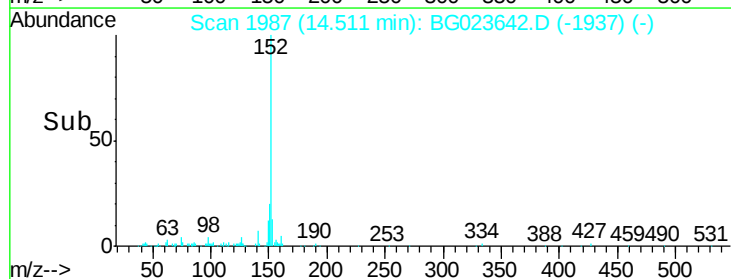
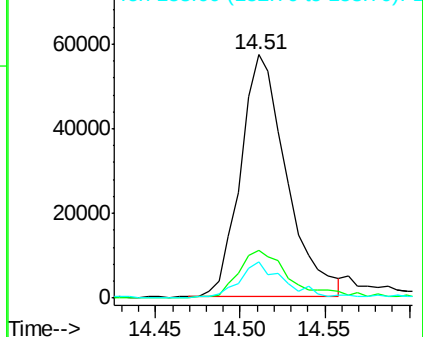


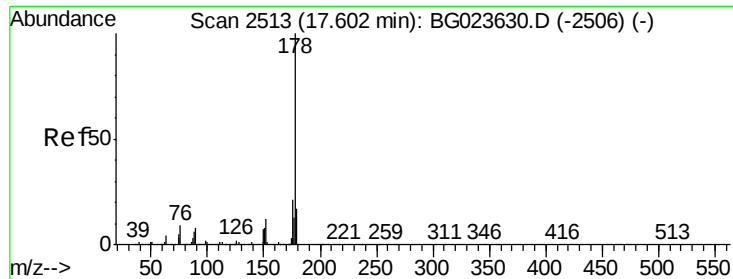
Abundance

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





#69

Phenanthrene

Concen: 10.14 ng/ul

RT: 17.59 min Scan# 2512

Delta R.T. -0.01 min

Lab File: BG023642.D

Acq: 12 Aug 2016 3:51

Instrument :

BNA_G

ClientSampleId :

PR001-SS002-0612-01

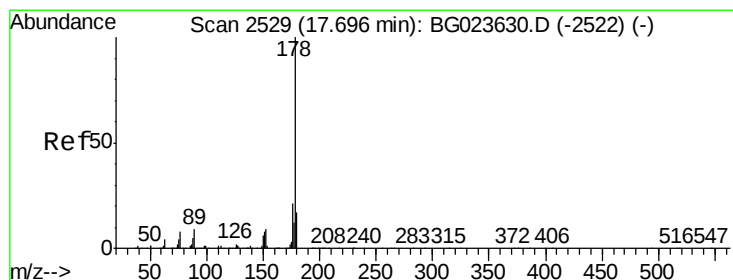
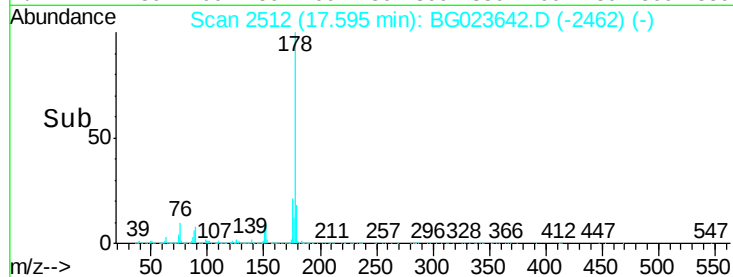
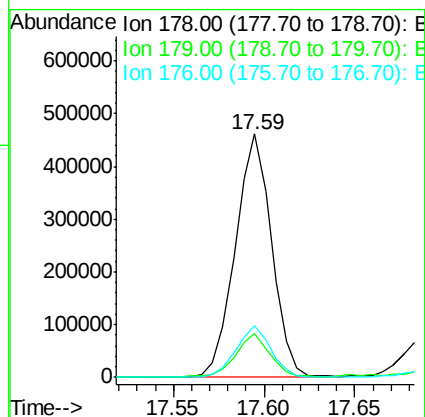
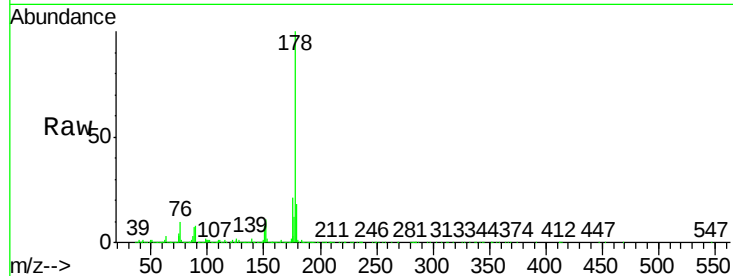
Tgt Ion:178 Resp: 638246

Ion Ratio Lower Upper

178 100

179 18.0 12.9 19.3

176 21.4 15.8 23.8



#71

Anthracene

Concen: 1.52 ng/ul

RT: 17.68 min Scan# 2527

Delta R.T. -0.01 min

Lab File: BG023642.D

Acq: 12 Aug 2016 3:51

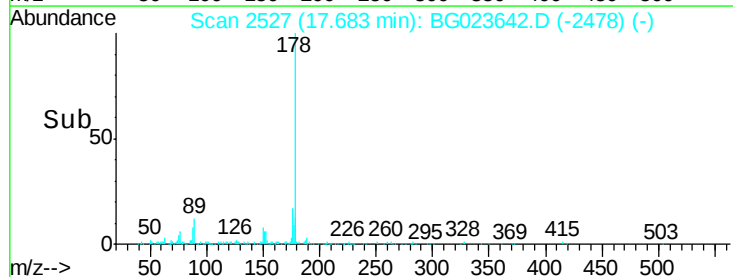
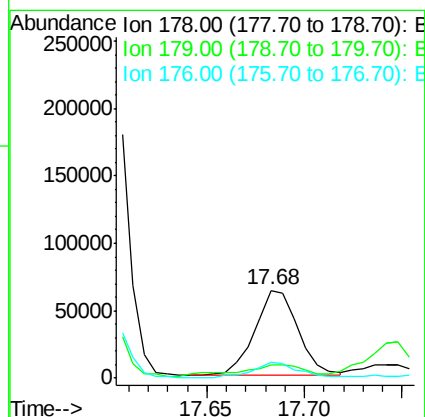
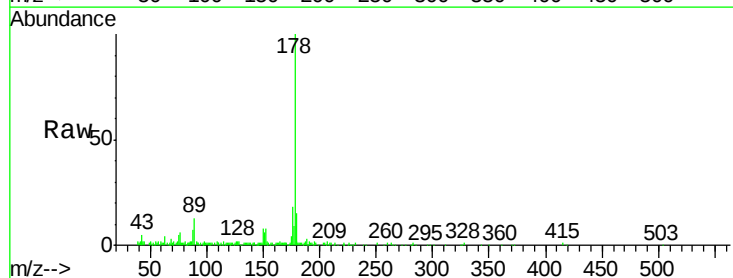
Tgt Ion:178 Resp: 97763

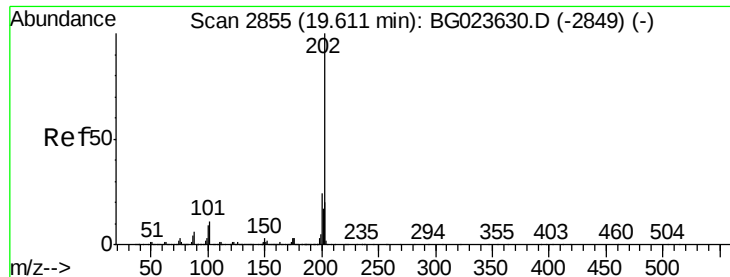
Ion Ratio Lower Upper

178 100

179 14.5 12.3 18.5

176 17.8 16.3 24.5





#74

Fluoranthene

Concen: 15.51 ng/ul

RT: 19.61 min Scan# 2855

Delta R.T. -0.00 min

Lab File: BG023642.D

Acq: 12 Aug 2016 3:51

Instrument :

BNA_G

ClientSampleId :

PR001-SS002-0612-01

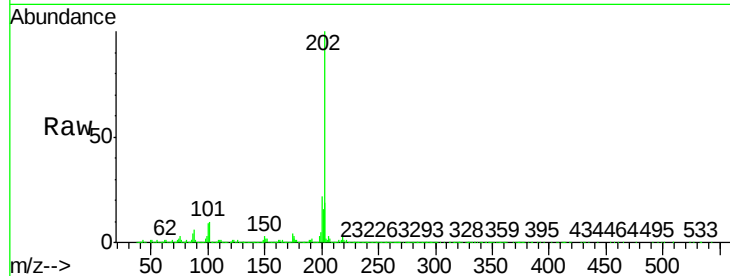
Tgt Ion:202 Resp: 999188

Ion Ratio Lower Upper

202 100

101 10.4 10.6 16.0#

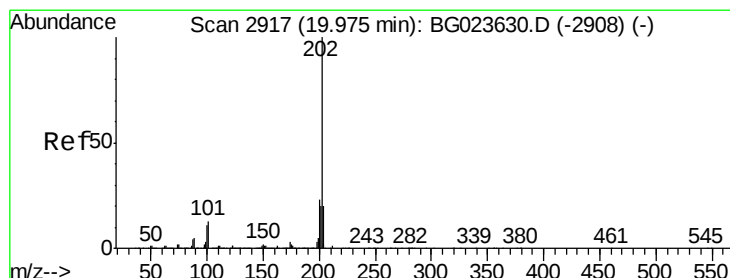
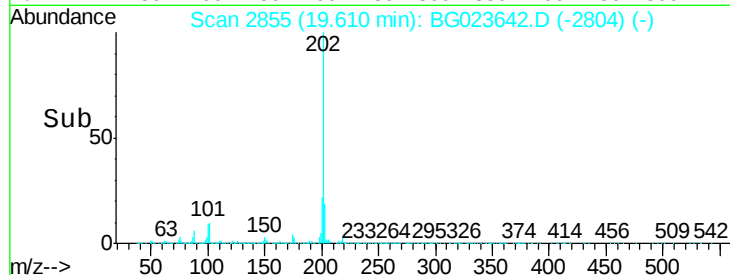
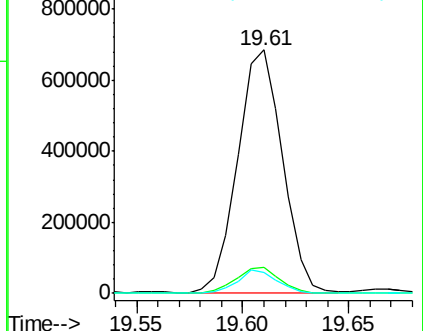
100 8.7 8.7 13.1#



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: 18.19 ng/ul

RT: 19.97 min Scan# 2917

Delta R.T. -0.00 min

Lab File: BG023642.D

Acq: 12 Aug 2016 3:51

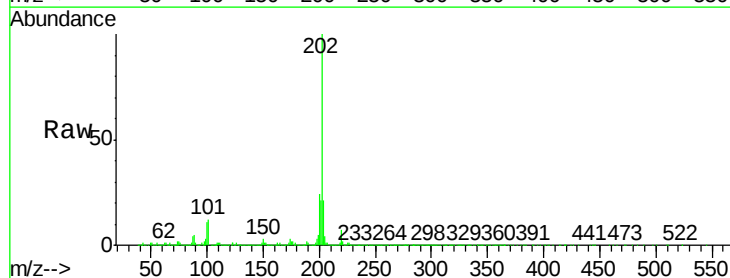
Tgt Ion:202 Resp: 1330069

Ion Ratio Lower Upper

202 100

101 12.3 12.5 18.7#

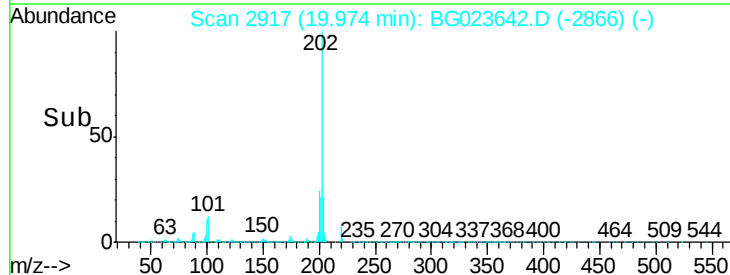
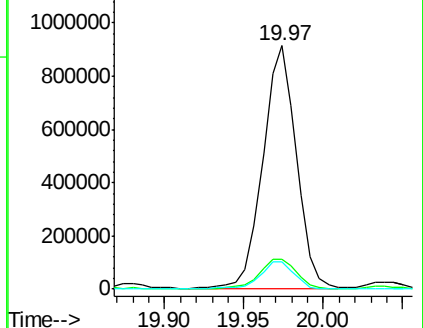
100 11.4 10.2 15.4

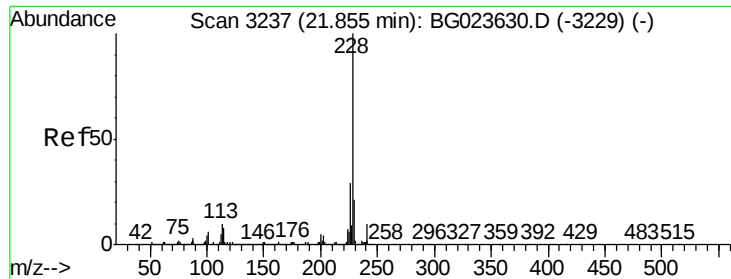


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 9.10 ng/ul

RT: 21.85 min Scan# 3237

Delta R.T. -0.00 min

Lab File: BG023642.D

Acq: 12 Aug 2016 3:51

Instrument :

BNA_G

ClientSampleId :

PR001-SS002-0612-01

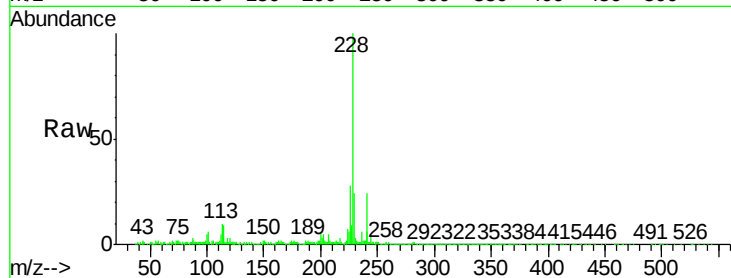
Tgt Ion:228 Resp: 606050

Ion Ratio Lower Upper

228 100

229 24.4 15.4 23.2#

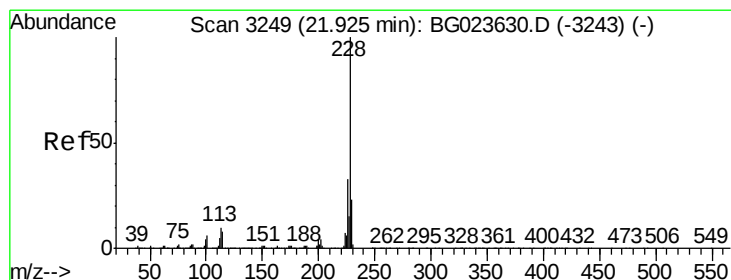
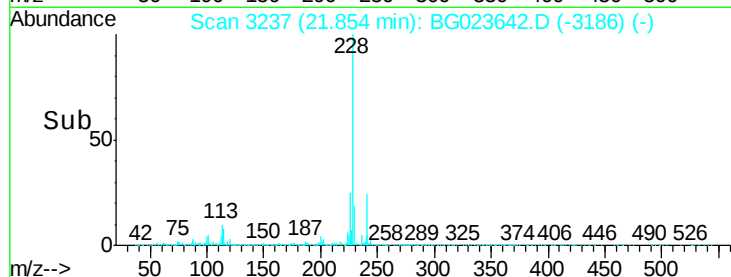
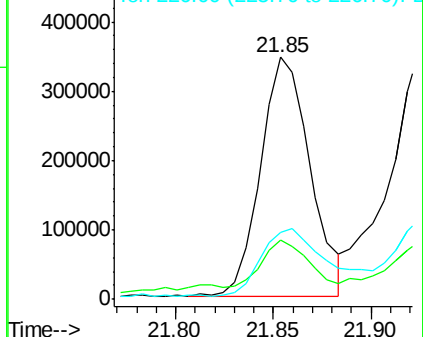
226 27.9 22.8 34.2



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: 11.42 ng/ul

RT: 21.92 min Scan# 3249

Delta R.T. -0.00 min

Lab File: BG023642.D

Acq: 12 Aug 2016 3:51

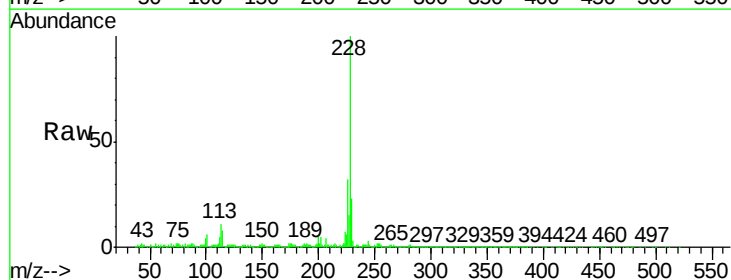
Tgt Ion:228 Resp: 691935

Ion Ratio Lower Upper

228 100

226 31.6 24.2 36.4

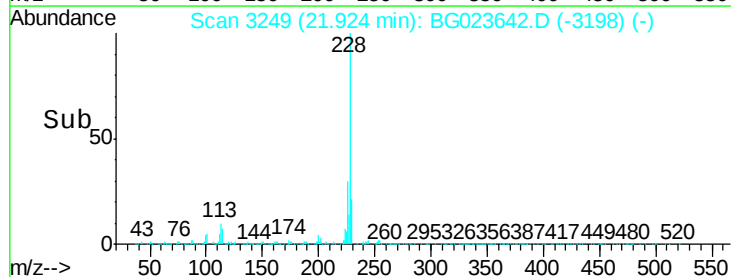
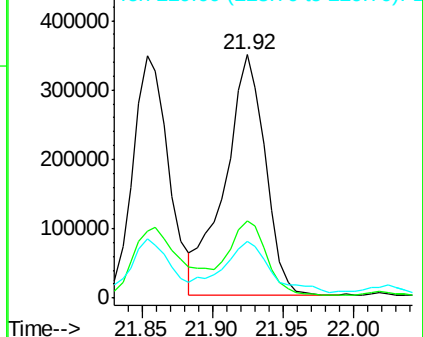
229 23.3 15.0 22.6#

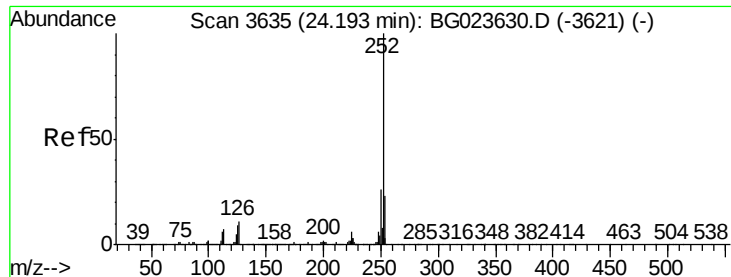


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 1.12 ng/ul

RT: 24.47 min Scan# 3682

Delta R.T. 0.27 min

Lab File: BG023642.D

Acq: 12 Aug 2016 3:51

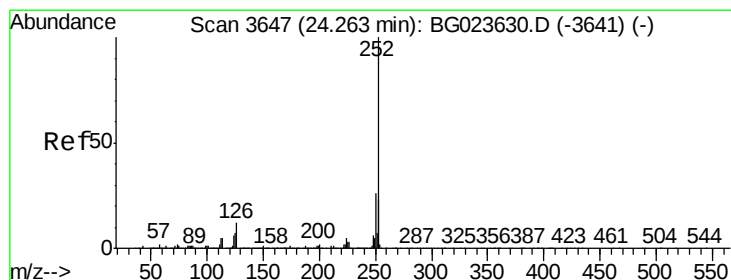
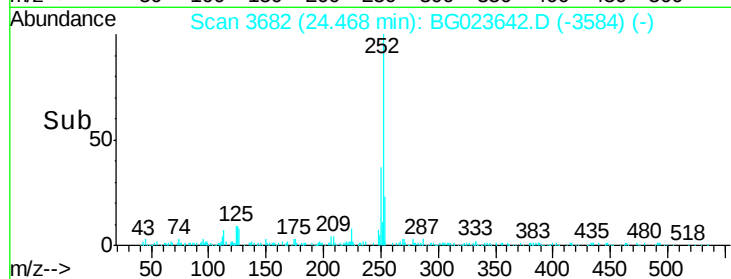
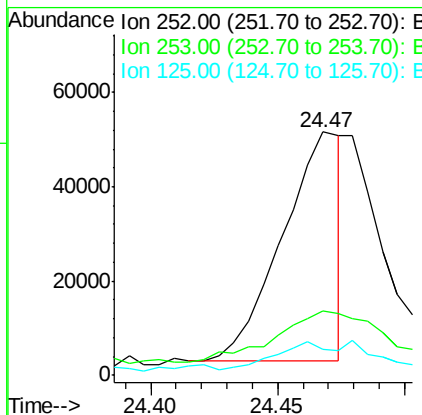
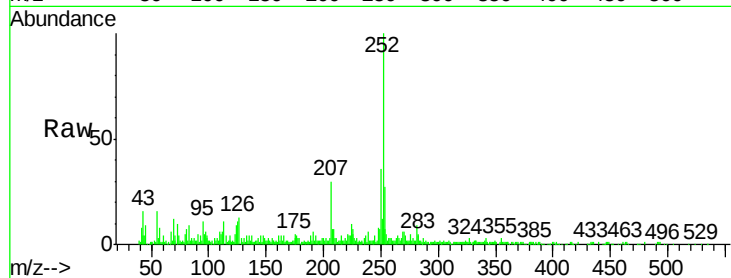
Instrument :

BNA_G

ClientSampleId :

PR001-SS002-0612-01

Tgt Ion:	252	Resp:	79238
Ion Ratio		Lower	Upper
252	100		
253	26.7	18.2	27.2
125	10.8	10.8	16.2



#86

Benzo(k)fluoranthene

Concen: 9.54 ng/ul

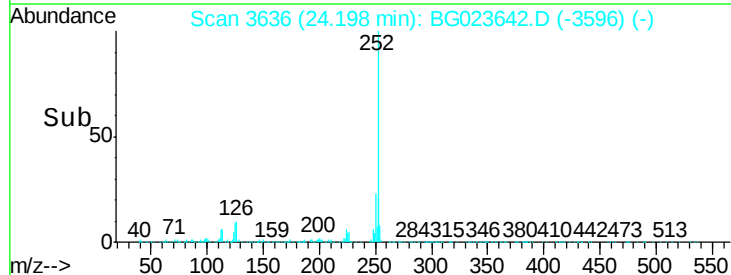
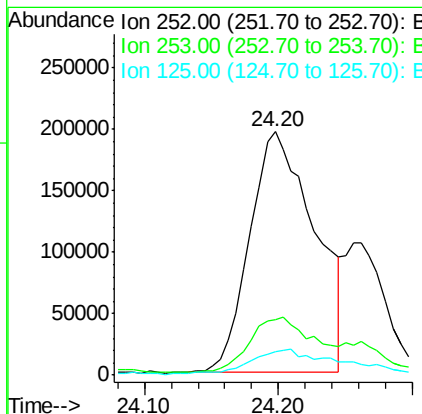
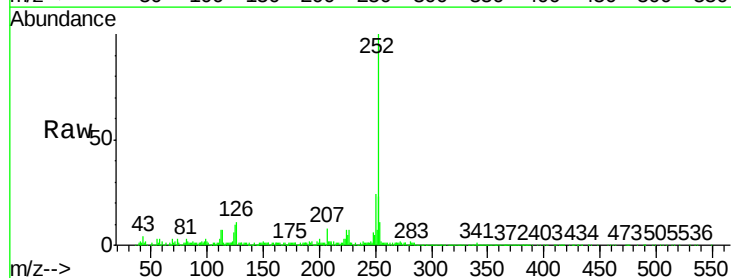
RT: 24.20 min Scan# 3636

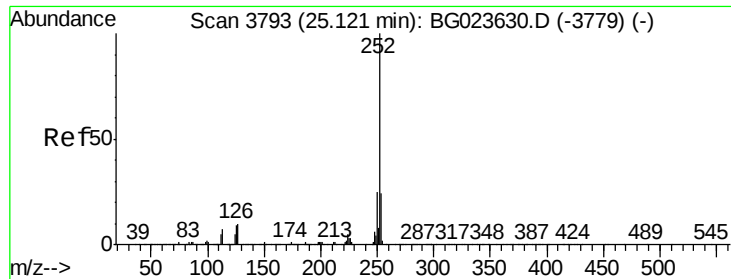
Delta R.T. -0.07 min

Lab File: BG023642.D

Acq: 12 Aug 2016 3:51

Tgt Ion:	252	Resp:	662640
Ion Ratio		Lower	Upper
252	100		
253	22.9	15.8	23.6
125	9.5	10.6	16.0#





#88

Benzo(a)pyrene

Concen: 6.09 ng/ul

RT: 24.97 min Scan# 3767

Delta R.T. -0.15 min

Lab File: BG023642.D

Acq: 12 Aug 2016 3:51

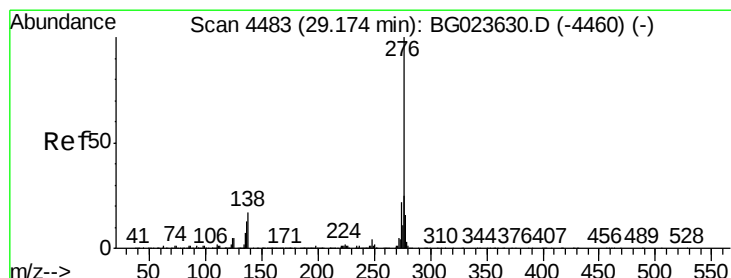
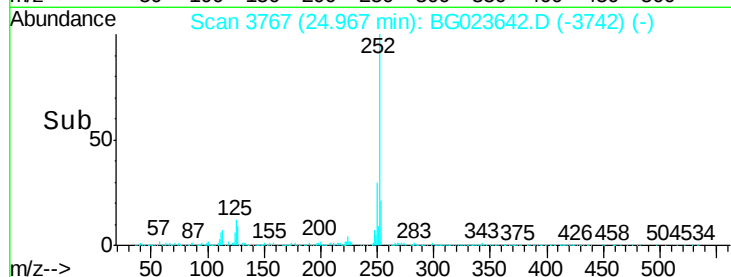
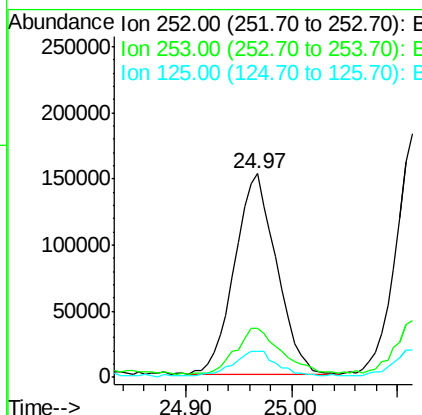
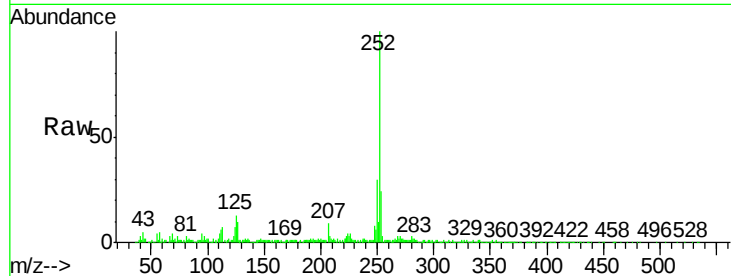
Instrument :

BNA_G

ClientSampleId :

PR001-SS002-0612-01

Tgt Ion:	252	Resp:	414997
Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.0	28.4
125	12.7	12.0	18.0



#89

Indeno(1,2,3-cd)pyrene

Concen: 2.08 ng/ul

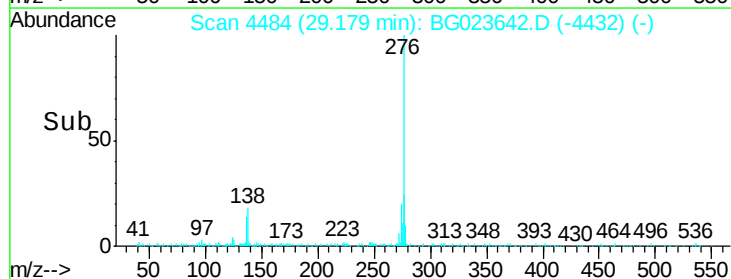
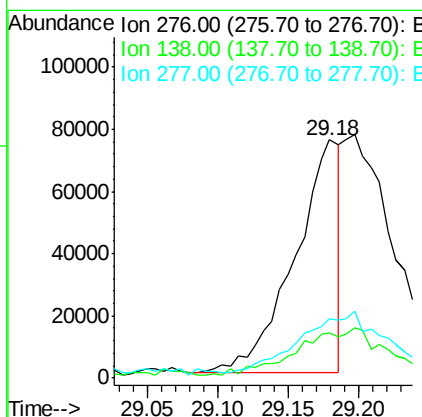
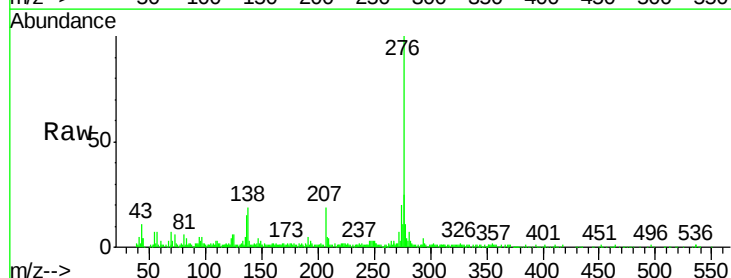
RT: 29.18 min Scan# 4484

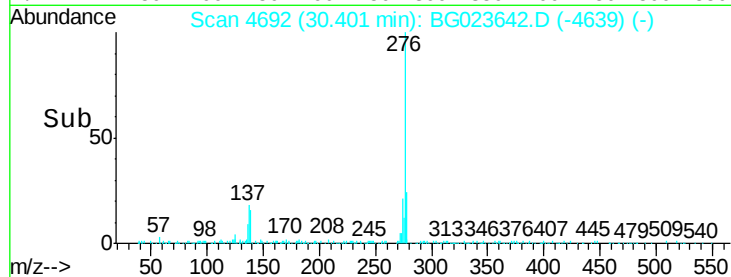
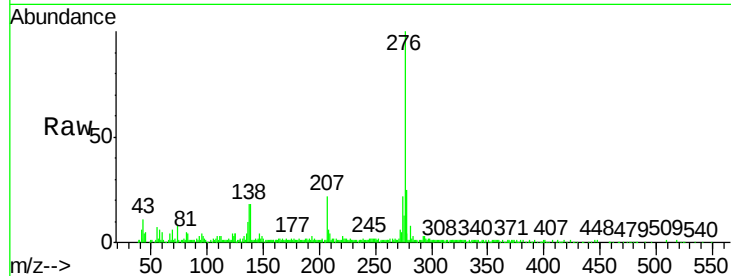
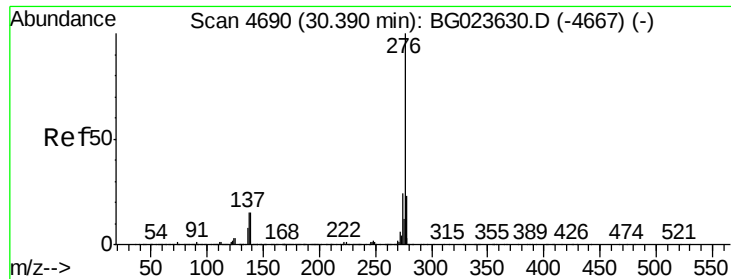
Delta R.T. 0.00 min

Lab File: BG023642.D

Acq: 12 Aug 2016 3:51

Tgt Ion:	276	Resp:	166245
Ion	Ratio	Lower	Upper
276	100		
138	18.8	20.8	31.2#
277	25.1	17.6	26.4





#91

Benzo(g,h,i)perylene

Concen: 2.49 ng/ul

RT: 30.40 min Scan# 4692

Delta R.T. 0.01 min

Lab File: BG023642.D

Acq: 12 Aug 2016 3:51

Instrument :

BNA_G

ClientSampleId :

PR001-SS002-0612-01

Tgt Ion: 276 Resp: 164923

Ion Ratio Lower Upper

276 100

138 17.8 22.1 33.1#

277 25.3 17.0 25.4

