

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
 Data File : BG023664.D
 Acq On : 12 Aug 2016 20:19
 Operator : UM/SJ
 Sample : H4385-14
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P002-SS004-0206-01

Quant Time: Aug 13 03:21:13 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	8.12	152	154884	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.95	136	688111	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.79	164	472195	20.00	ng/ul	-0.01
61) Phenanthrene-d10	17.56	188	1114761	20.00	ng/ul	0.00
75) Chrysene-d12	21.88	240	1041733	20.00	ng/ul	-0.02
83) Perylene-d12	25.29	264	1050871	20.00	ng/ul	-0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	10565	2.90	ng/uL	0.00
5) Phenol-d5	7.27	99	245451	15.73	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.42	67	167707	16.78	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.64	132	178908	16.81	ng/ul	-0.02
13) 4-Methylphenol-d8	8.83	113	178622	14.66	ng/ul	-0.02
19) Nitrobenzene-d5	9.29	128	93766	17.29	ng/ul	-0.01
22) 2-Nitrophenol-d4	10.03	143	113716	18.25	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.73	165	523	0.04	ng/ul	0.14
29) 4-Chloroaniline-d4	11.21	131	1017	0.07	ng/ul	0.10
43) Dimethylphthalate-d6	14.18	166	692735	17.92	ng/ul	-0.01
46) Acenaphthylene-d8	14.48	160	806350	18.53	ng/ul	-0.01
51) 4-Nitrophenol-d4	15.01	143	106071	16.07	ng/ul	0.00
57) Fluorene-d10	15.78	176	633375	17.73	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.91	200	100443	14.04	ng/ul	-0.02
70) Anthracene-d10	17.65	188	935598	18.63	ng/ul	-0.01
76) Pyrene-d10	19.95	212	963102	18.26	ng/ul	-0.01
87) Benzo(a)pyrene-d12	25.06	264	886190	18.63	ng/ul	-0.03

Target Compounds

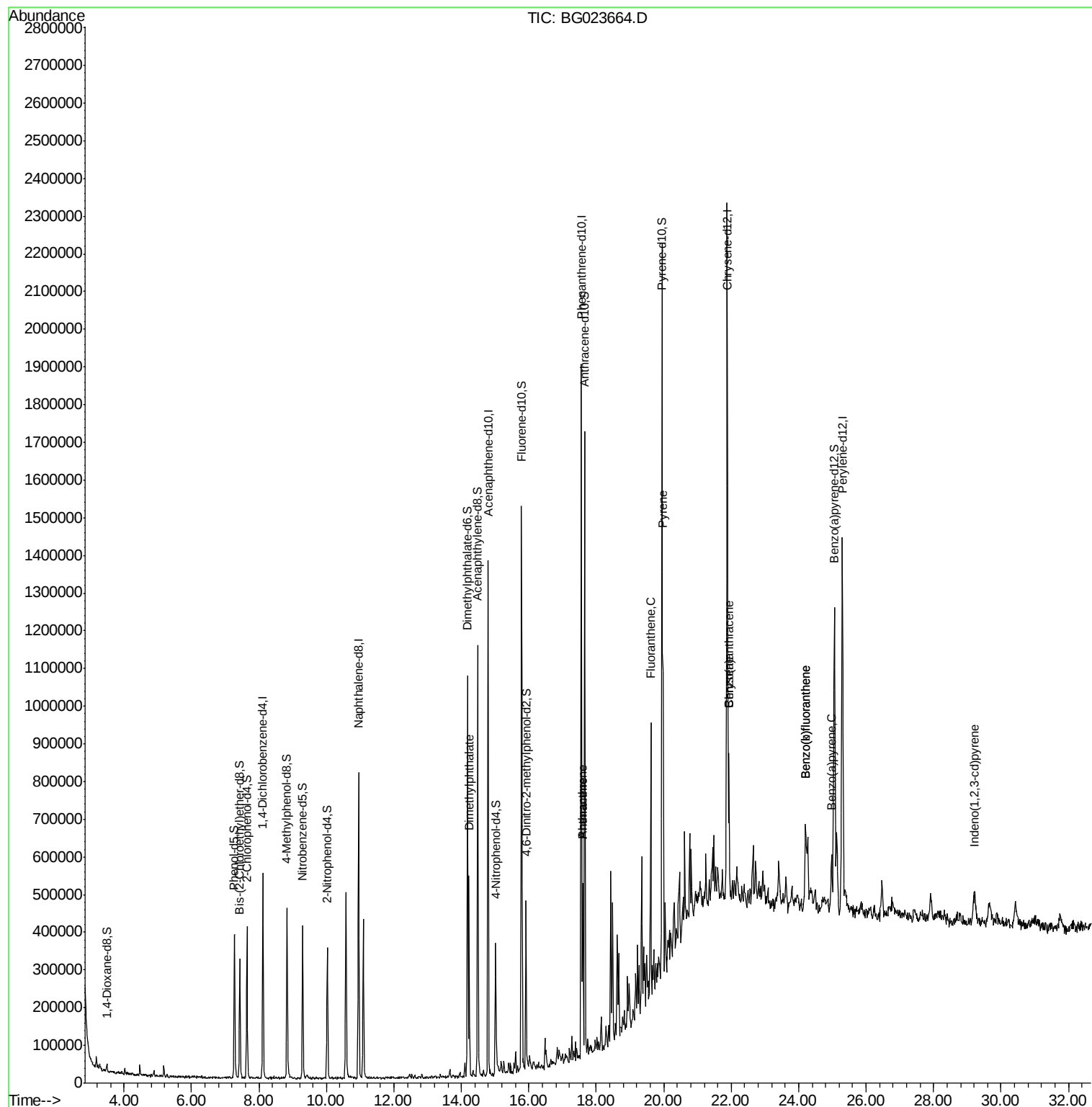
					Qvalue
44) Dimethylphthalate	14.23	163	332482	8.68 ng/ul	99
69) Phenanthrene	17.59	178	289764	5.02 ng/ul	97
71) Anthracene	17.59	178	289764	4.92 ng/ul	97
74) Fluoranthene	19.61	202	442542	7.49 ng/ul#	93
77) Pyrene	19.98	202	590525	9.17 ng/ul#	93
80) Benzo(a)anthracene	21.93	228	276016	4.70 ng/ul	94
82) Chrysene	21.93	228	281598	5.28 ng/ul	96
85) Benzo(b)fluoranthene	24.20	252	269181	4.50 ng/ul	95
86) Benzo(k)fluoranthene	24.20	252	269181	4.57 ng/ul#	91
88) Benzo(a)pyrene	24.97	252	155747	2.70 ng/ul	98
89) Indeno(1,2,3-cd)pyrene	29.21	276	83716	1.23 ng/ul#	91

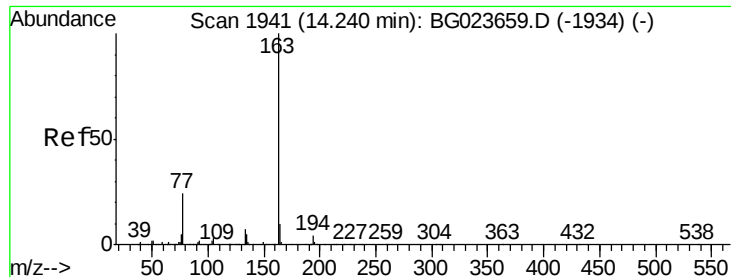
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#44

Dimethylphthalate

Concen: 8.68 ng/ul

RT: 14.23 min Scan# 1939

Delta R.T. -0.01 min

Lab File: BG023664.D

Acq: 12 Aug 2016 20:19

Instrument :

BNA_G

ClientSampleId :

P002-SS004-0206-01

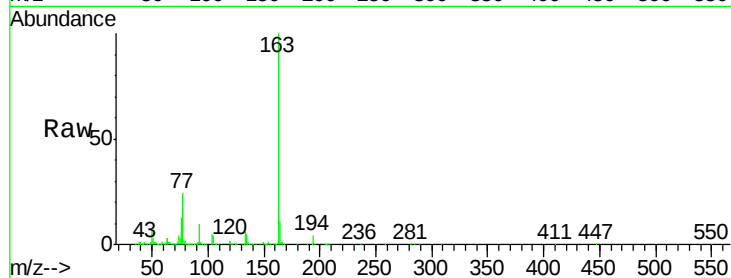
Tgt Ion:163 Resp: 332482

Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.2

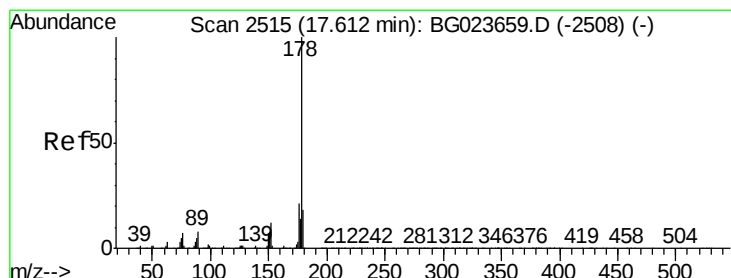
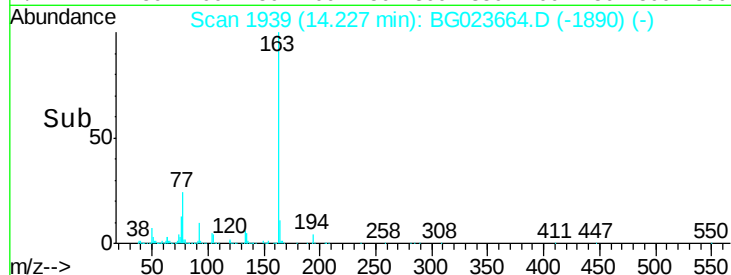
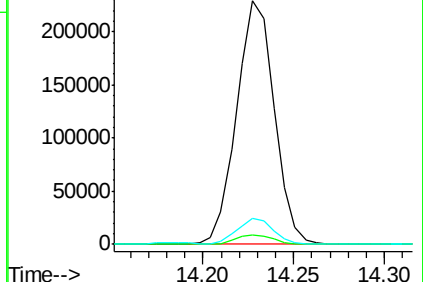
164 10.7 8.8 13.2



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



#69

Phenanthrene

Concen: 5.02 ng/ul

RT: 17.59 min Scan# 2512

Delta R.T. -0.02 min

Lab File: BG023664.D

Acq: 12 Aug 2016 20:19

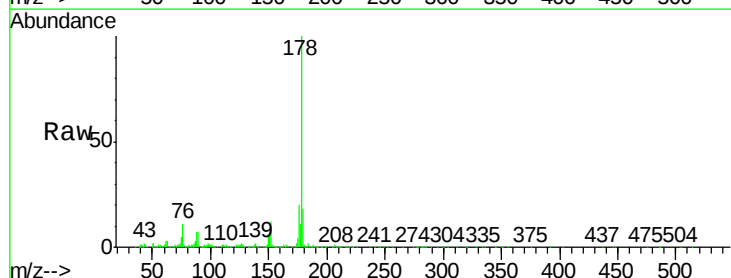
Tgt Ion:178 Resp: 289764

Ion Ratio Lower Upper

178 100

179 18.0 12.9 19.3

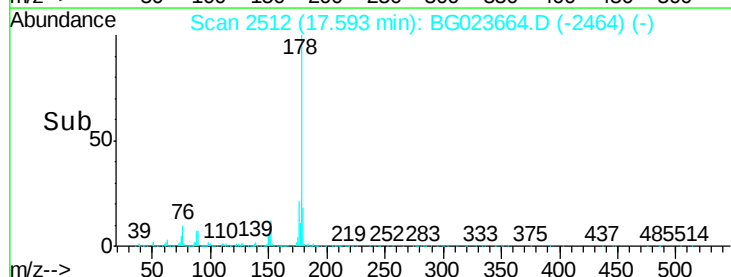
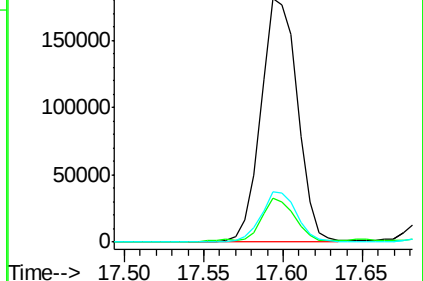
176 20.5 15.8 23.8

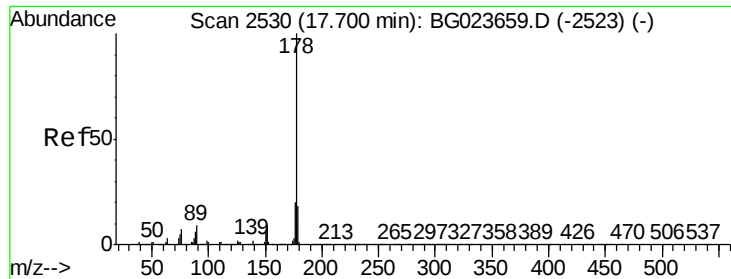


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

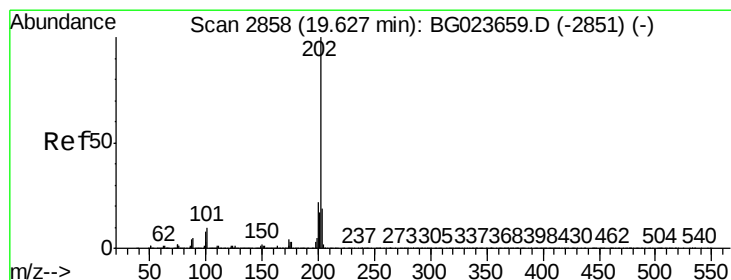
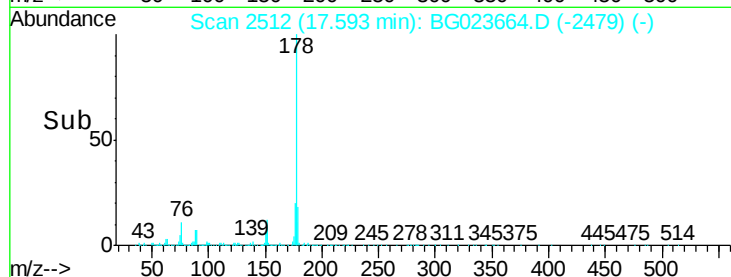
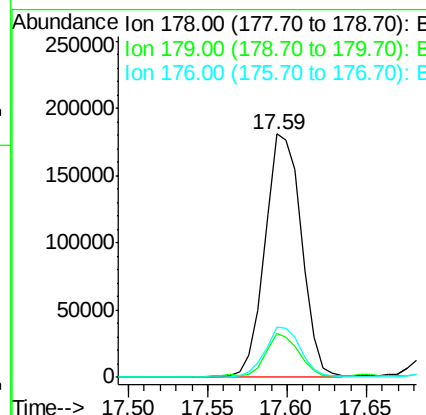
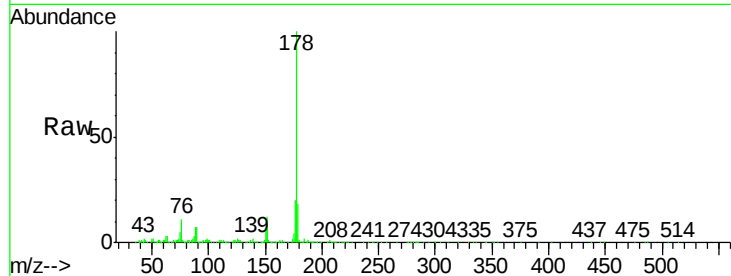




#71
 Anthracene
 Concen: 4.92 ng/ul
 RT: 17.59 min Scan# 2512
 Delta R.T. -0.11 min
 Lab File: BG023664.D
 Acq: 12 Aug 2016 20:19

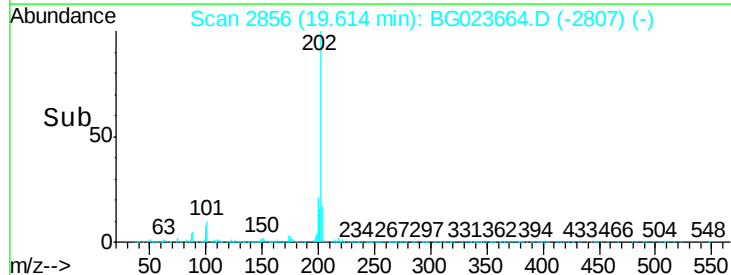
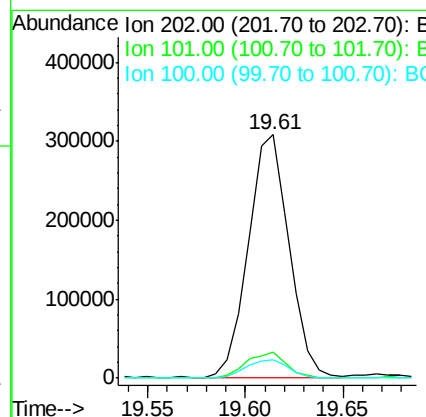
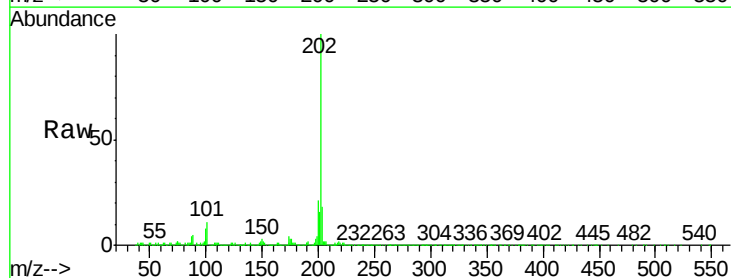
Instrument :
 BNA_G
 ClientSampleId :
 P002-SS004-0206-01

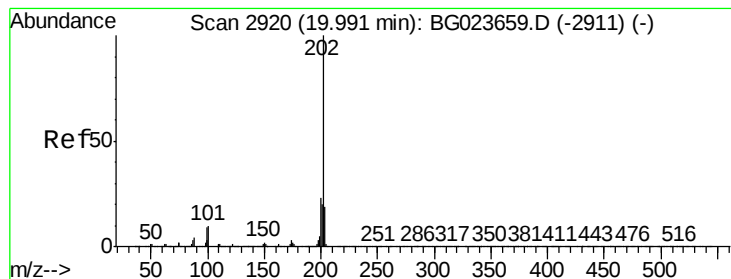
Tgt Ion	Ratio	Lower	Upper
178	100		
179	18.0	12.3	18.5
176	20.5	16.3	24.5



#74
 Fluoranthene
 Concen: 7.49 ng/ul
 RT: 19.61 min Scan# 2856
 Delta R.T. -0.01 min
 Lab File: BG023664.D
 Acq: 12 Aug 2016 20:19

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	10.6	16.0
100	7.8	8.7	13.1





#77

Pyrene

Concen: 9.17 ng/ul

RT: 19.98 min Scan# 2918

Delta R.T. -0.01 min

Lab File: BG023664.D

Acq: 12 Aug 2016 20:19

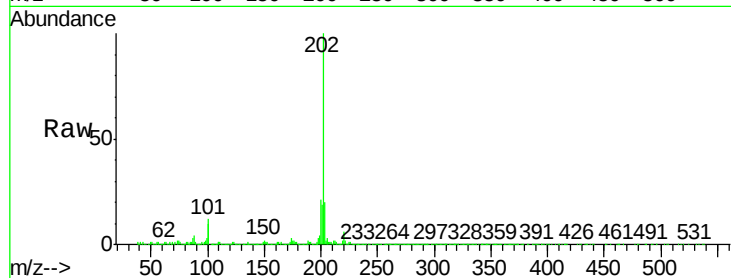
Instrument :

BNA_G

ClientSampleId :

P002-SS004-0206-01

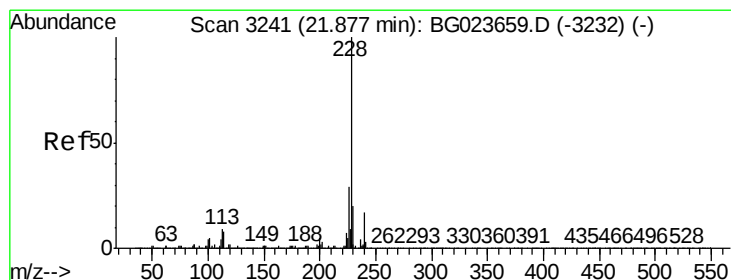
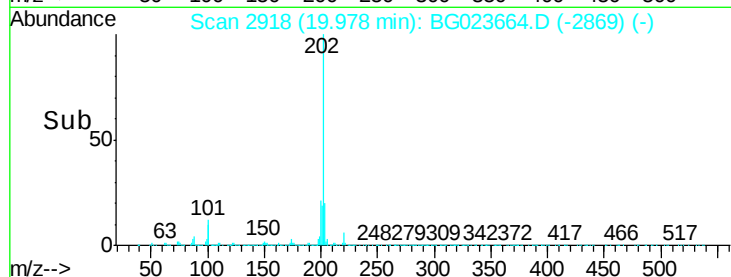
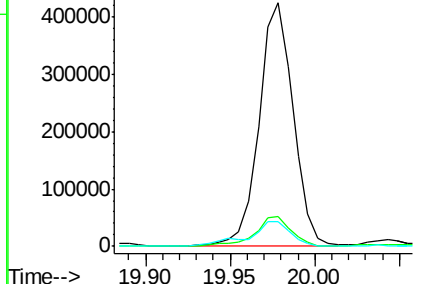
Tgt Ion:	202	Resp:	590525
Ion Ratio		Lower	Upper
202	100		
101	12.2	12.5	18.7#
100	10.3	10.2	15.4



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): E



#80

Benzo(a)anthracene

Concen: 4.70 ng/ul

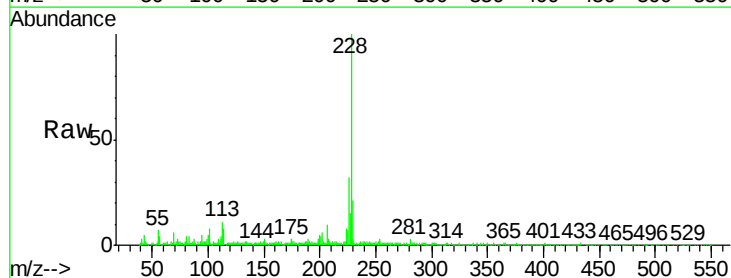
RT: 21.93 min Scan# 3250

Delta R.T. 0.05 min

Lab File: BG023664.D

Acq: 12 Aug 2016 20:19

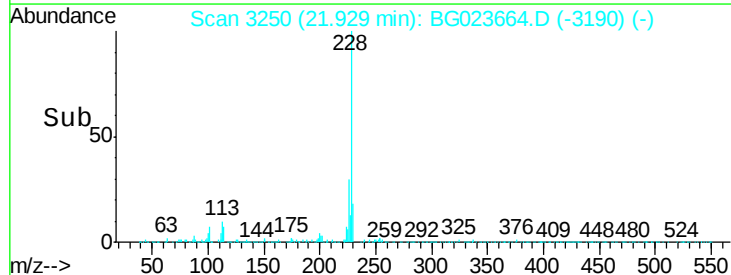
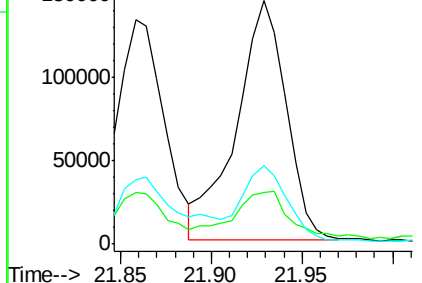
Tgt Ion:	228	Resp:	276016
Ion Ratio		Lower	Upper
228	100		
229	21.0	15.4	23.2
226	32.1	22.8	34.2

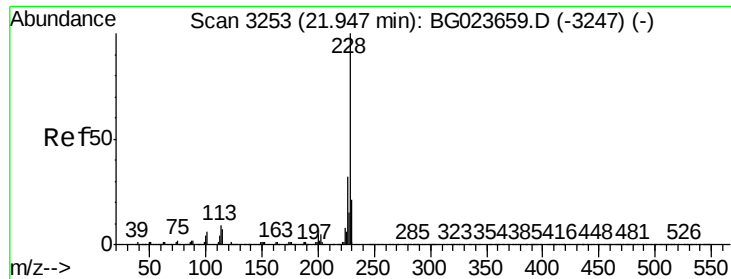


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 5.28 ng/ul

RT: 21.93 min Scan# 3250

Delta R.T. -0.02 min

Lab File: BG023664.D

Acq: 12 Aug 2016 20:19

Instrument :

BNA_G

ClientSampleId :

P002-SS004-0206-01

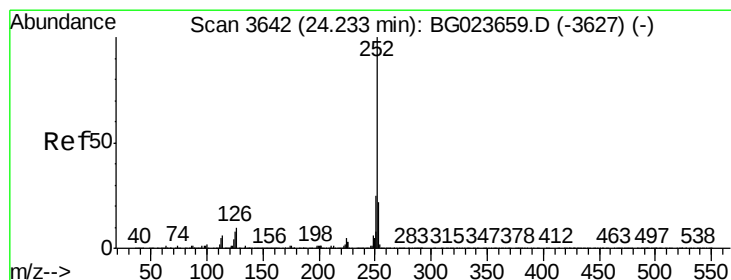
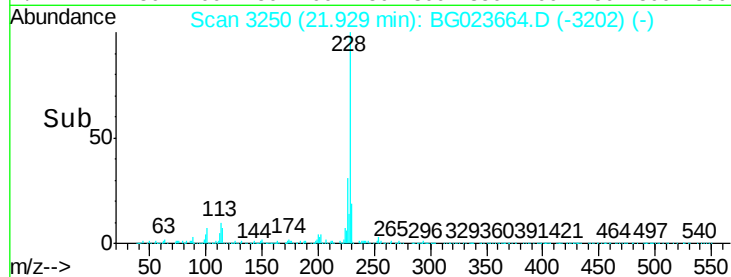
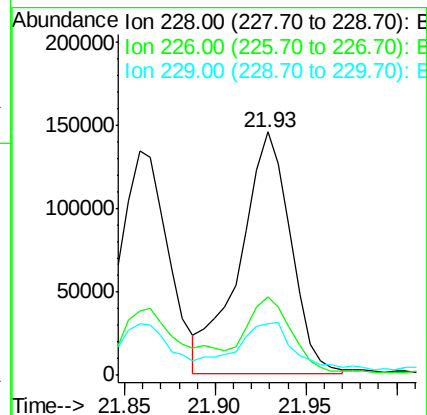
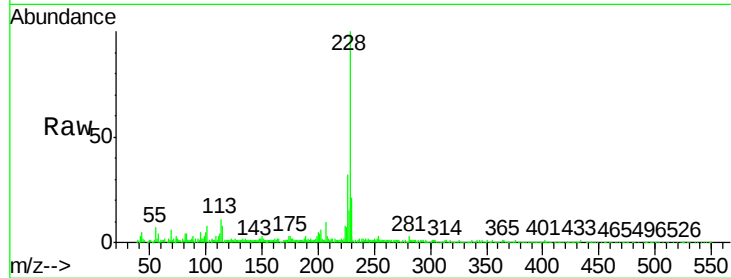
Tgt Ion: 228 Resp: 281598

Ion Ratio Lower Upper

228 100

226 32.1 24.2 36.4

229 21.0 15.0 22.6



#85

Benzo(b)fluoranthene

Concen: 4.50 ng/ul

RT: 24.20 min Scan# 3637

Delta R.T. -0.03 min

Lab File: BG023664.D

Acq: 12 Aug 2016 20:19

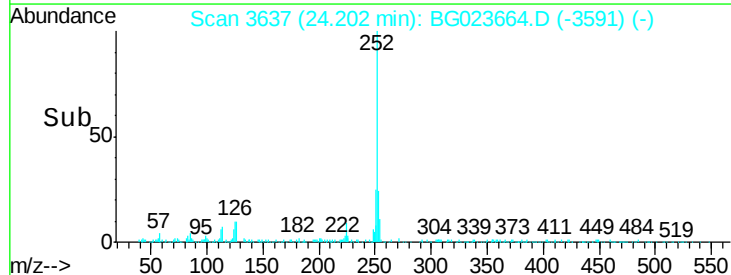
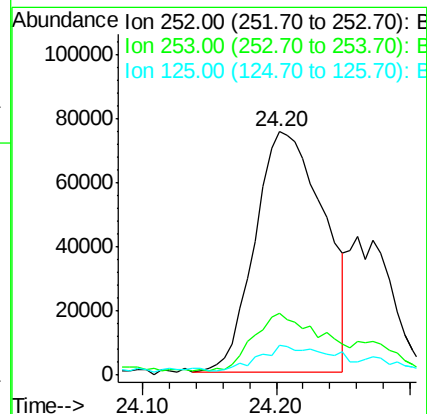
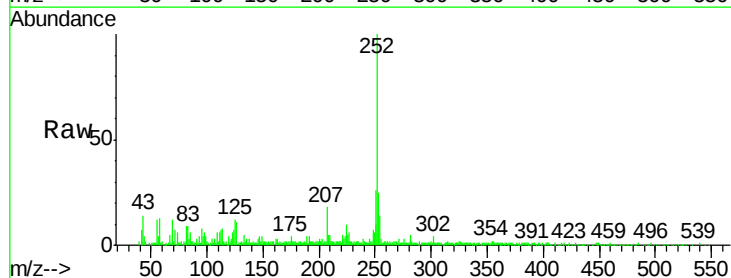
Tgt Ion: 252 Resp: 269181

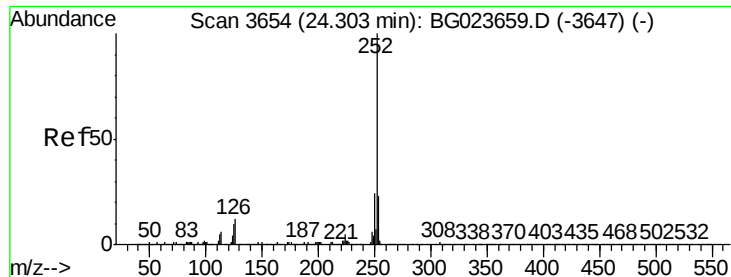
Ion Ratio Lower Upper

252 100

253 25.2 18.2 27.2

125 12.0 10.8 16.2





#86

Benzo(k)fluoranthene

Concen: 4.57 ng/ul

RT: 24.20 min Scan# 3637

Delta R.T. -0.10 min

Lab File: BG023664.D

Acq: 12 Aug 2016 20:19

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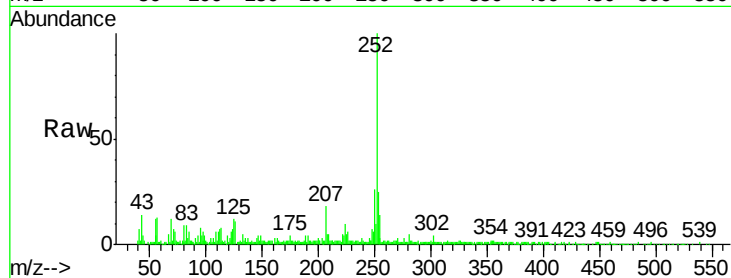
Tgt Ion:252 Resp: 269181

Ion Ratio Lower Upper

252 100

253 25.2 15.8 23.6#

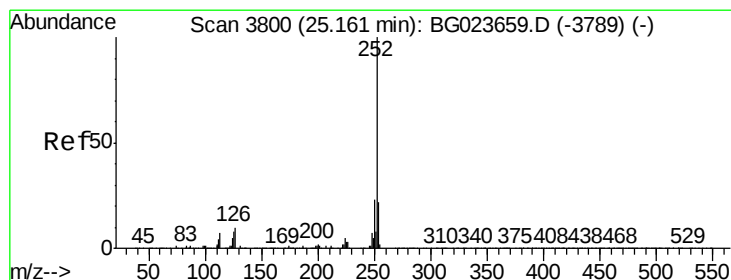
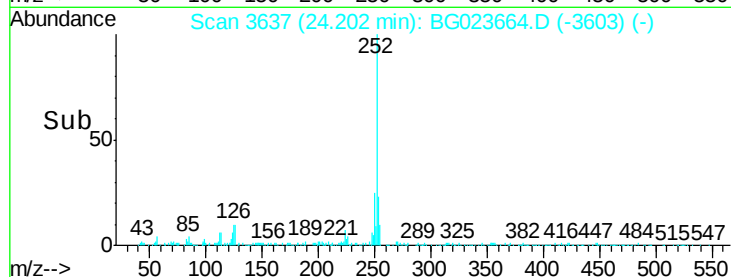
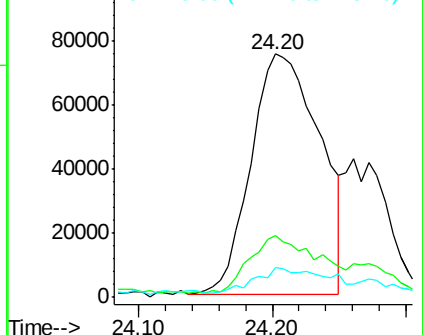
125 12.0 10.6 16.0



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



#88

Benzo(a)pyrene

Concen: 2.70 ng/ul

RT: 24.97 min Scan# 3768

Delta R.T. -0.19 min

Lab File: BG023664.D

Acq: 12 Aug 2016 20:19

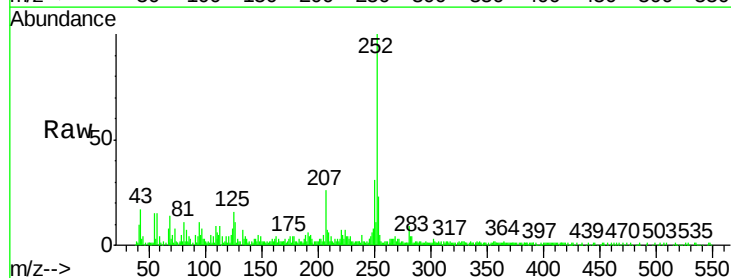
Tgt Ion:252 Resp: 155747

Ion Ratio Lower Upper

252 100

253 22.9 19.0 28.4

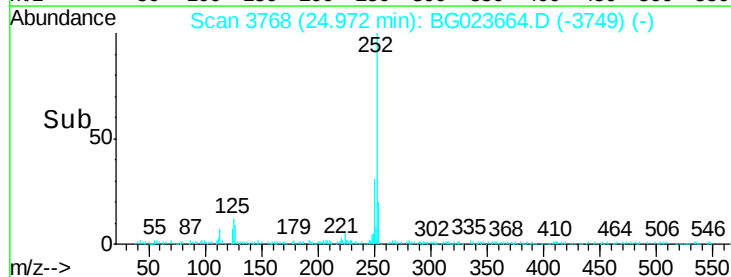
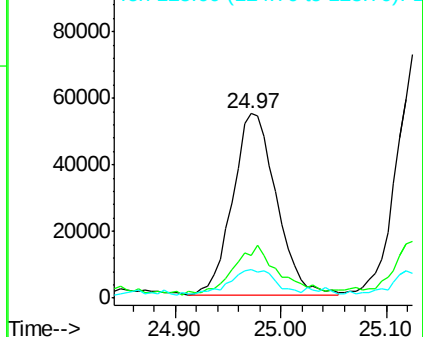
125 15.7 12.0 18.0

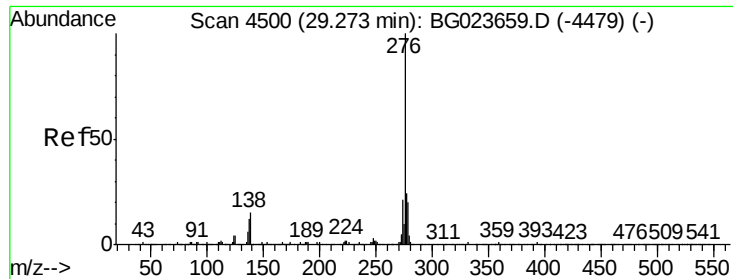


Abundance Ion 252.00 (251.70 to 252.70): E

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: 1.23 ng/ul

RT: 29.21 min Scan# 4489

Delta R.T. -0.07 min

Lab File: BG023664.D

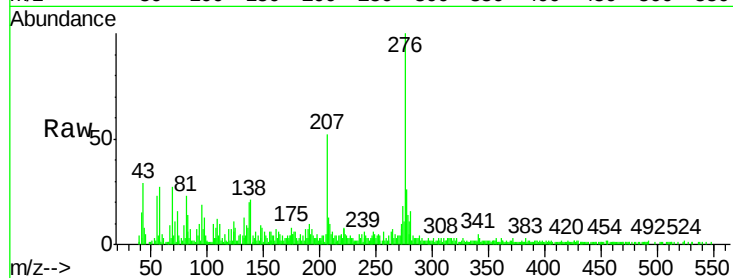
Acq: 12 Aug 2016 20:19

Instrument :

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Tgt Ion:	276	Resp:	83716
Ion	Ratio	Lower	Upper
276	100		
138	20.5	20.8	31.2#
277	25.8	17.6	26.4

