

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
 Data File : BG023617.D
 Acq On : 11 Aug 2016 7:00
 Operator : UM/SJ
 Sample : H4384-21MS
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P002-SS001-1218-01MS

Quant Time: Aug 11 07:49:23 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 11 03:58:16 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	192302	20.00	ng/ul	0.00
18) Naphthalene-d8	10.95	136	918506	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.78	164	640096	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.54	188	1345952	20.00	ng/ul	0.00
75) Chrysene-d12	21.87	240	1304391	20.00	ng/ul	0.00
83) Perylene-d12	25.27	264	1318085	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	15389	3.40	ng/uL	0.00
5) Phenol-d5	7.26	99	414584	21.40	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	255021	20.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.64	132	284287	21.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.82	113	316097	20.90	ng/ul	0.00
19) Nitrobenzene-d5	9.37	128	240	0.03	ng/ul	0.09
22) 2-Nitrophenol-d4	10.02	143	189893	22.84	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.57	165	379781	24.21	ng/ul	0.00
29) 4-Chloroaniline-d4	11.30	131	1154	0.06	ng/ul	0.22
43) Dimethylphthalate-d6	14.18	166	1326856	25.32	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	1518281	25.74	ng/ul	0.00
51) 4-Nitrophenol-d4	15.00	143	220804	24.68	ng/ul	0.00
57) Fluorene-d10	15.78	176	1211360	25.02	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.91	200	233187	27.00	ng/ul	0.00
70) Anthracene-d10	17.64	188	1717167	28.32	ng/ul	0.00
76) Pyrene-d10	19.94	212	1810006	27.41	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.03	264	1779426	29.83	ng/ul	0.01

Target Compounds

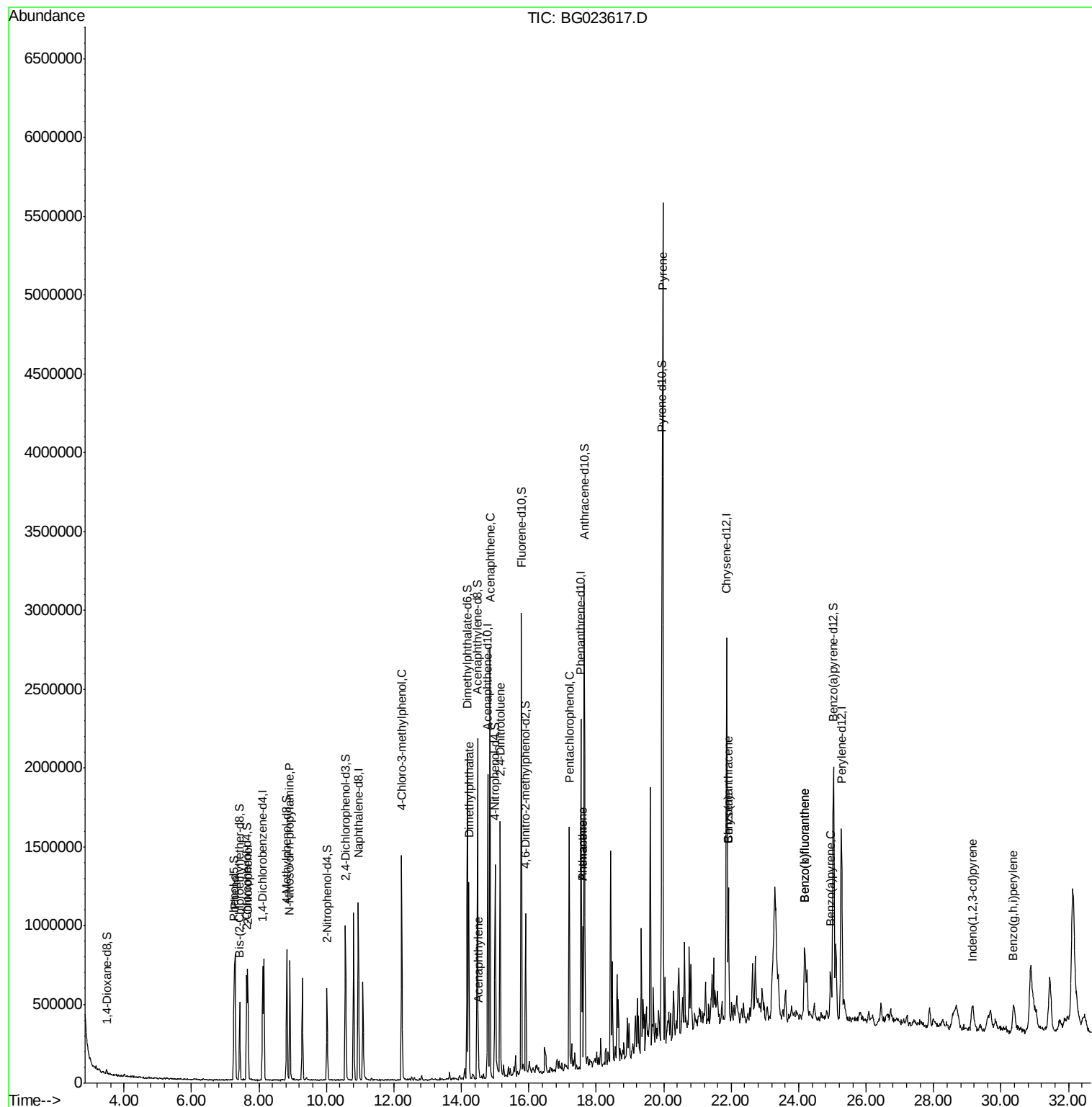
						Qvalue
6) Phenol	7.29	94	455170	22.56	ng/ul#	76
10) 2-Chlorophenol	7.67	128	294465	21.88	ng/ul#	85
15) N-Nitroso-di-n-propylamine	8.92	70	318302	21.81	ng/ul#	90
33) 4-Chloro-3-methylphenol	12.23	107	537329	26.40	ng/ul	85
44) Dimethylphthalate	14.23	163	763302	14.71	ng/ul	98
47) Acenaphthylene	14.51	152	71173	1.15	ng/ul	98
49) Acenaphthene	14.85	153	1115587	26.54	ng/ul	94
54) 2,4-Dinitrotoluene	15.15	165	452068	26.52	ng/ul#	70
68) Pentachlorophenol	17.20	266	280403	30.91	ng/ul	91
69) Phenanthrene	17.59	178	573375	8.23	ng/ul	99
71) Anthracene	17.59	178	573804	8.07	ng/ul	100
77) Pyrene	19.97	202	2871715	35.61	ng/ul	98
80) Benzo(a)anthracene	21.92	228	620148	8.44	ng/ul	95
82) Chrysene	21.92	228	620148	9.28	ng/ul#	96
85) Benzo(b)fluoranthene	24.18	252	575717	7.68	ng/ul#	92
86) Benzo(k)fluoranthene	24.18	252	575717	7.80	ng/ul#	88
88) Benzo(a)pyrene	24.94	252	342947	4.74	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	29.15	276	303058	3.56	ng/ul#	85
91) Benzo(g,h,i)perylene	30.37	276	324508	4.60	ng/ul#	84

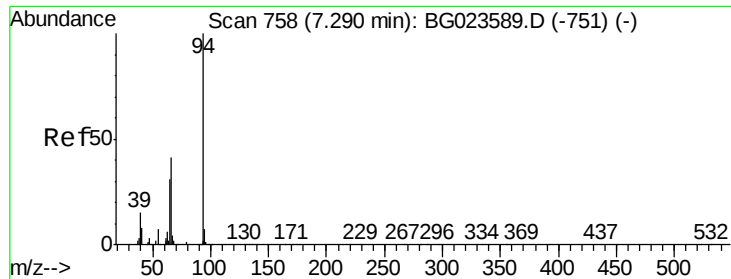
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 22.56 ng/ul

RT: 7.29 min Scan# 758

Delta R.T. 0.00 min

Lab File: BG023617.D

Acq: 11 Aug 2016 7:00

Instrument :

BNA_G

ClientSampleId :

P002-SS001-1218-01MS

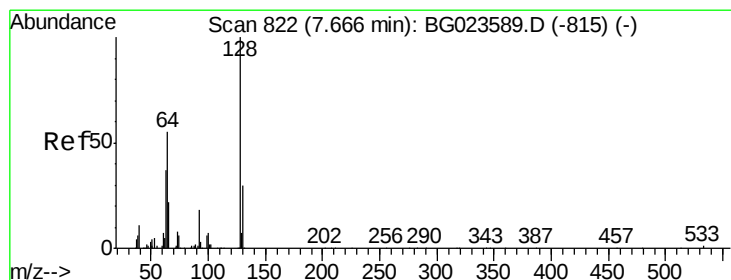
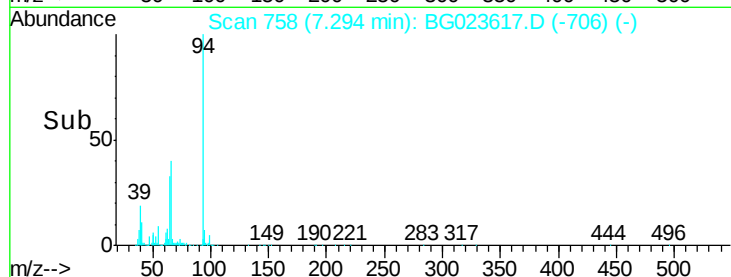
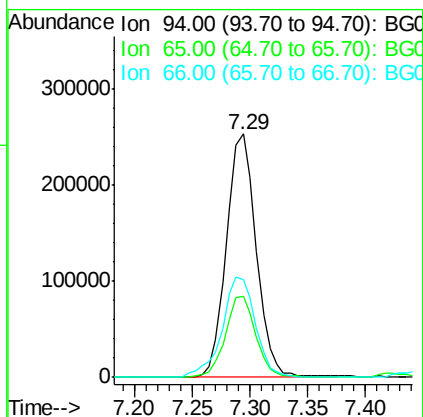
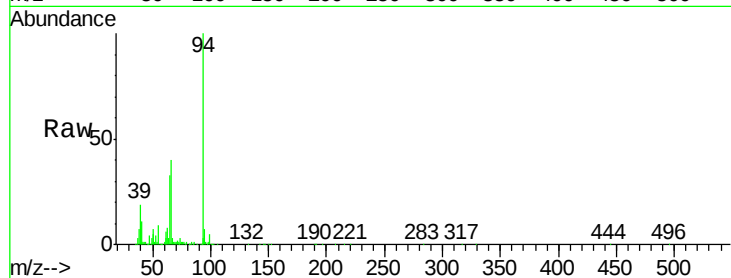
Tgt Ion: 94 Resp: 455170

Ion Ratio Lower Upper

94 100

65 33.4 16.8 25.2#

66 40.3 22.6 33.8#



#10

2-Chlorophenol

Concen: 21.88 ng/ul

RT: 7.67 min Scan# 822

Delta R.T. 0.00 min

Lab File: BG023617.D

Acq: 11 Aug 2016 7:00

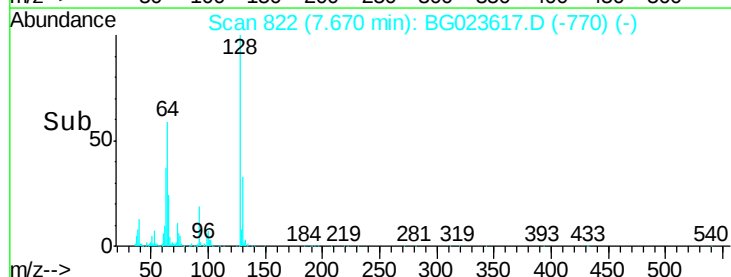
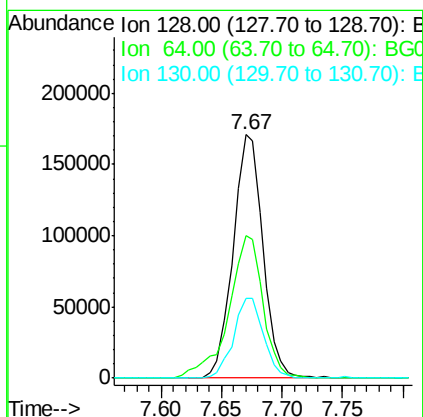
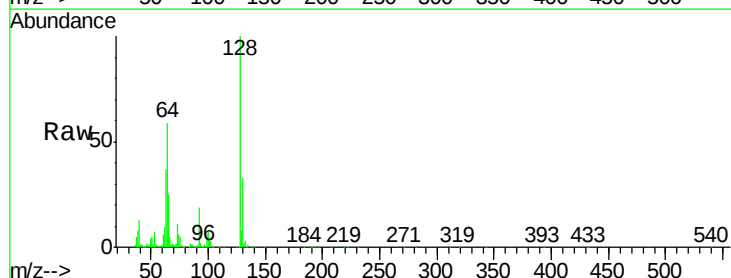
Tgt Ion: 128 Resp: 294465

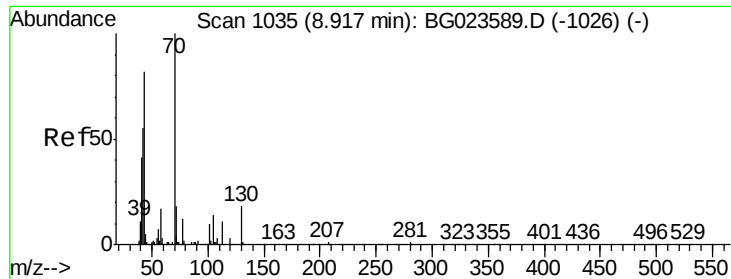
Ion Ratio Lower Upper

128 100

64 58.7 34.2 51.4#

130 32.8 27.0 40.4

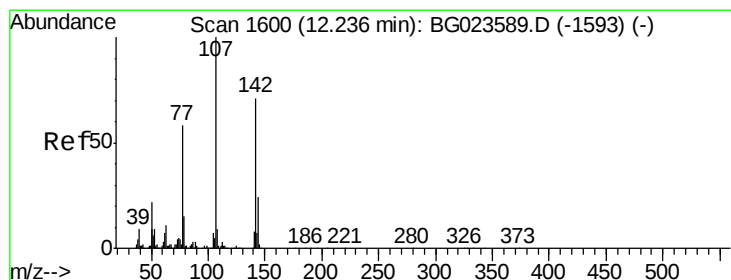
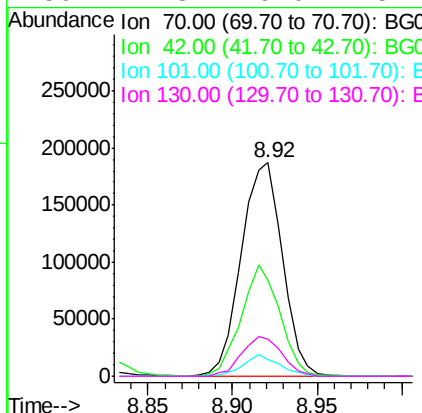
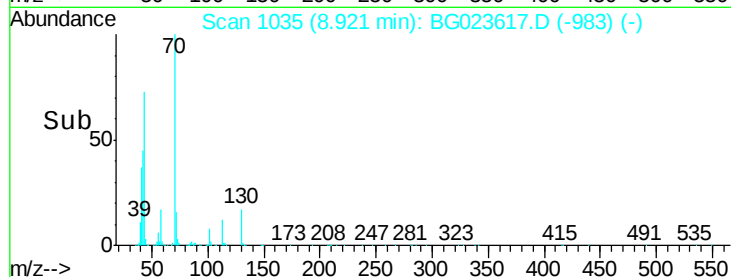
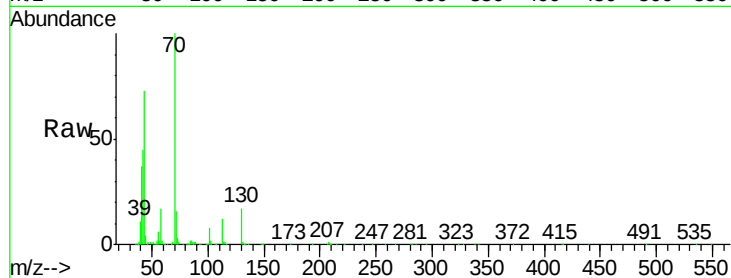




#15
N-Nitroso-di-n-propylamine
Concen: 21.81 ng/ul
RT: 8.92 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BG023617.D
Acq: 11 Aug 2016 7:00

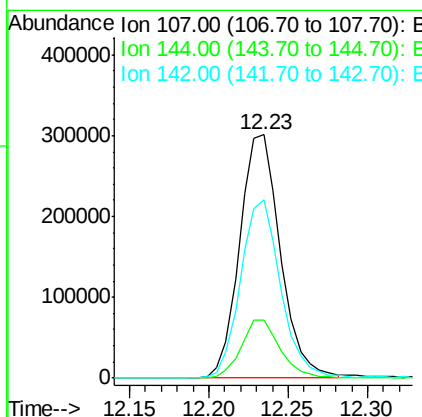
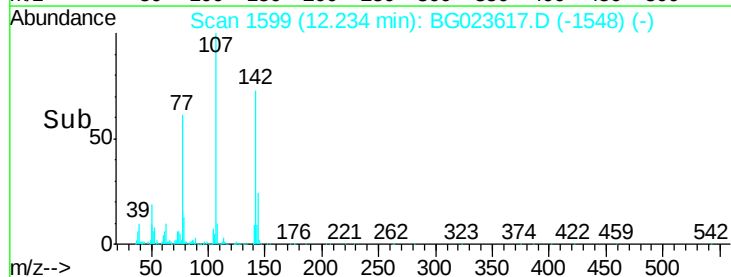
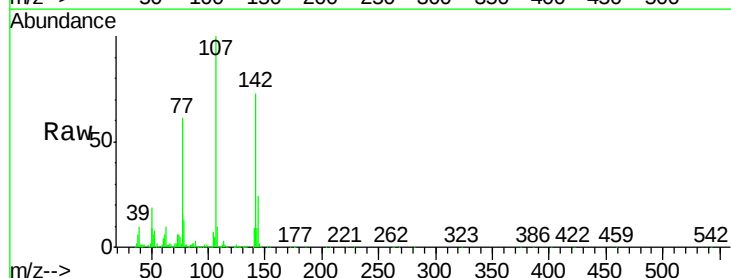
Instrument :
BNA_G
ClientSampleId :
P002-SS001-1218-01MS

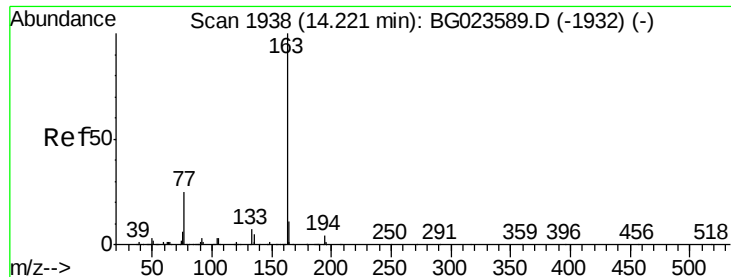
Tgt Ion:	70	Resp:	318302
Ion	Ratio	Lower	Upper
70	100		
42	45.2	31.4	47.2
101	7.9	8.6	13.0#
130	17.3	19.0	28.4#



#33
4-Chloro-3-methylphenol
Concen: 26.40 ng/ul
RT: 12.23 min Scan# 1599
Delta R.T. -0.00 min
Lab File: BG023617.D
Acq: 11 Aug 2016 7:00

Tgt Ion:	107	Resp:	537329
Ion	Ratio	Lower	Upper
107	100		
144	23.9	22.7	34.1
142	73.3	71.6	107.4





#44

Dimethylphthalate

Concen: 14.71 ng/ul

RT: 14.23 min Scan# 1938

Delta R.T. 0.00 min

Lab File: BG023617.D

Acq: 11 Aug 2016 7:00

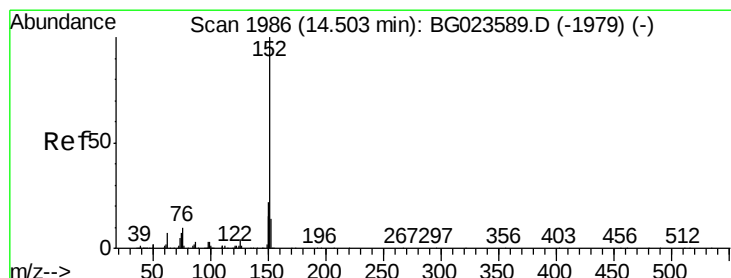
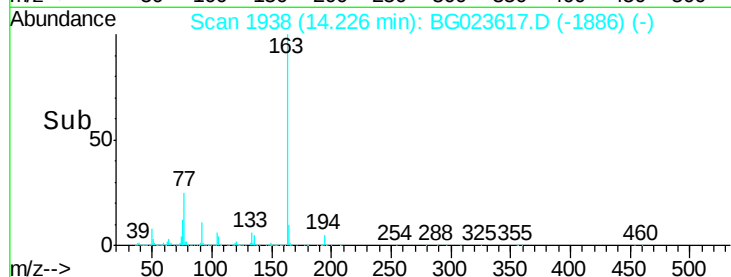
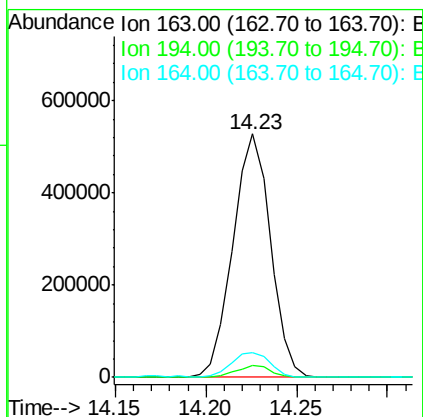
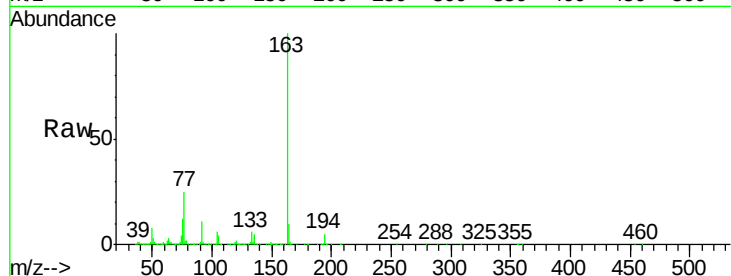
Instrument :

BNA_G

ClientSampleId :

P002-SS001-1218-01MS

Tgt Ion:	163	Resp:	763302
Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.4	5.2
164	9.9	8.8	13.2



#47

Acenaphthylene

Concen: 1.15 ng/ul

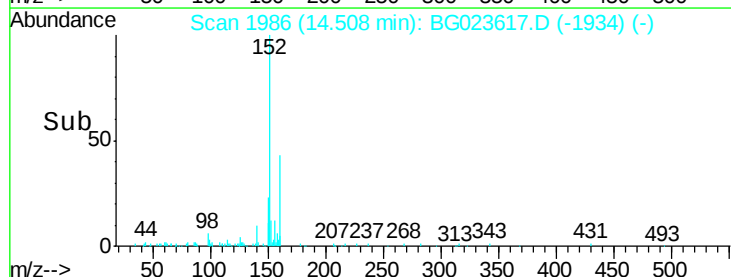
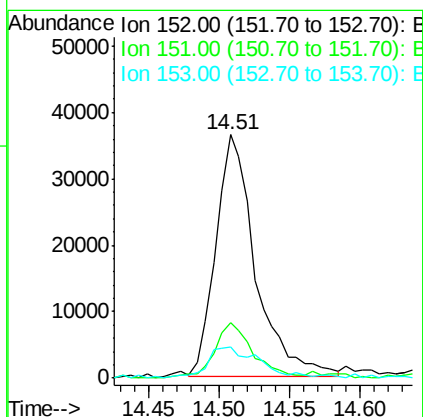
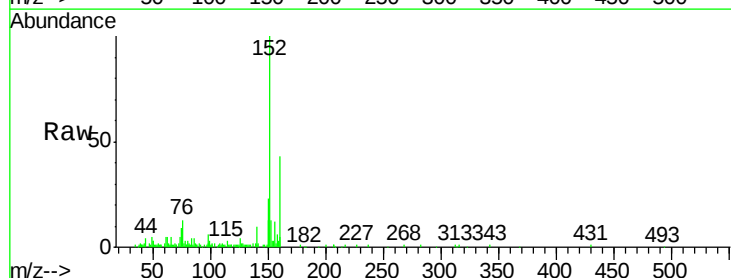
RT: 14.51 min Scan# 1986

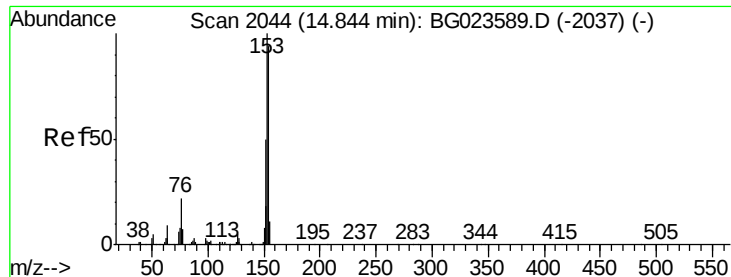
Delta R.T. 0.00 min

Lab File: BG023617.D

Acq: 11 Aug 2016 7:00

Tgt Ion:	152	Resp:	71173
Ion	Ratio	Lower	Upper
152	100		
151	23.0	17.5	26.3
153	13.0	11.1	16.7





#49

Acenaphthene

Concen: 26.54 ng/ul

RT: 14.85 min Scan# 2044

Delta R.T. 0.00 min

Lab File: BG023617.D

Acq: 11 Aug 2016 7:00

Instrument :

BNA_G

ClientSampleId :

P002-SS001-1218-01MS

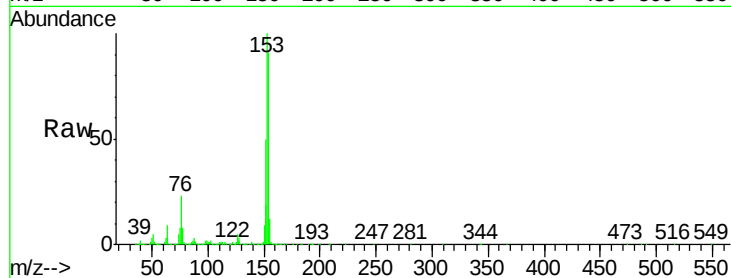
Tgt Ion:153 Resp: 1115587

Ion	Ratio	Lower	Upper
153	100		
152	49.8	37.3	55.9
154	90.9	68.2	102.2

153 100

152 49.8 37.3 55.9

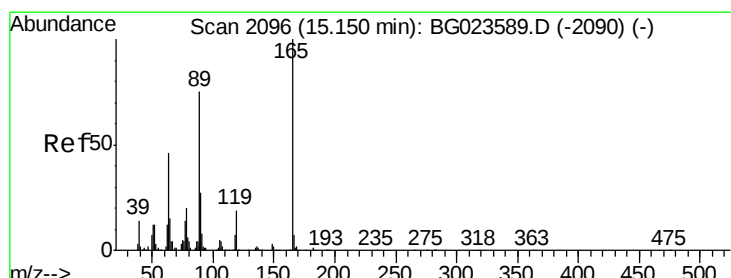
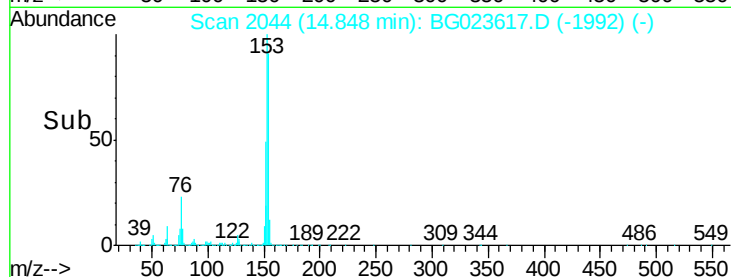
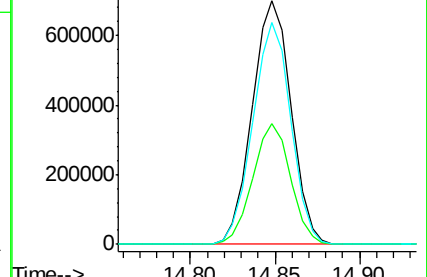
154 90.9 68.2 102.2



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



#54

2,4-Dinitrotoluene

Concen: 26.52 ng/ul

RT: 15.15 min Scan# 2095

Delta R.T. -0.00 min

Lab File: BG023617.D

Acq: 11 Aug 2016 7:00

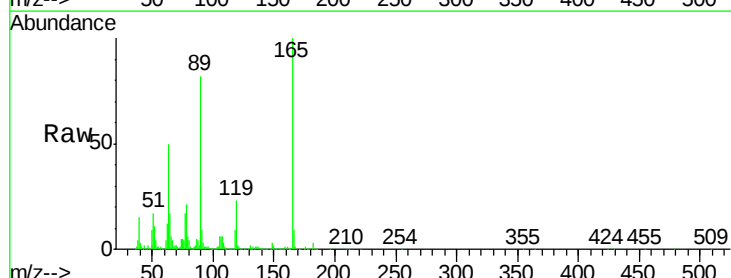
Tgt Ion:165 Resp: 452068

Ion	Ratio	Lower	Upper
165	100		
63	50.2	25.7	38.5#
182	2.5	2.1	3.1

165 100

63 50.2 25.7 38.5#

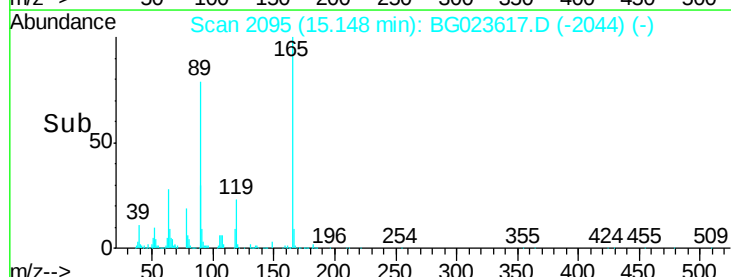
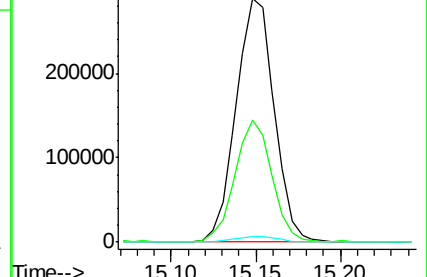
182 2.5 2.1 3.1

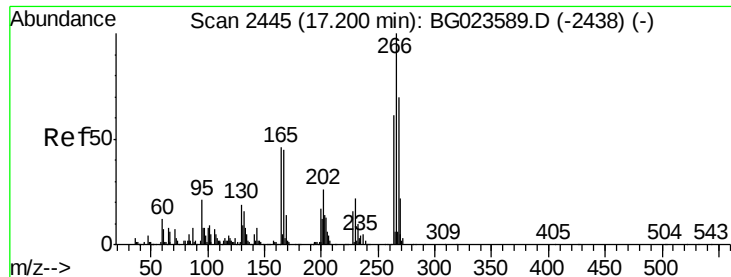


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 182.00 (181.70 to 182.70): E

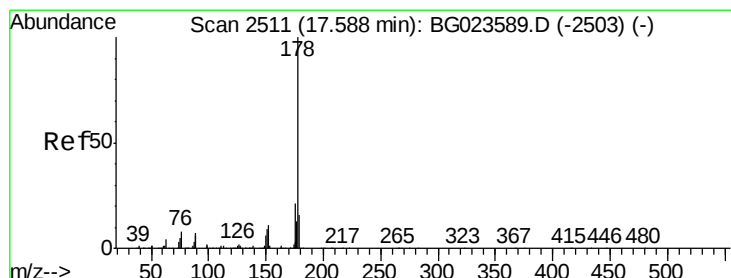
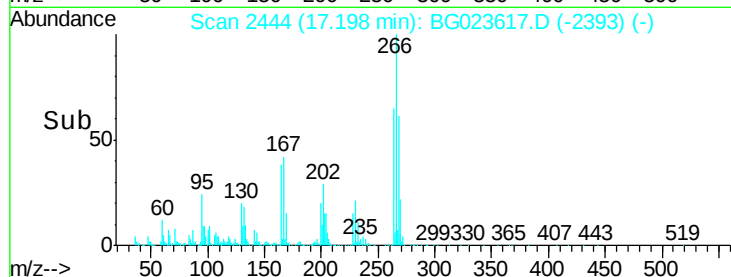
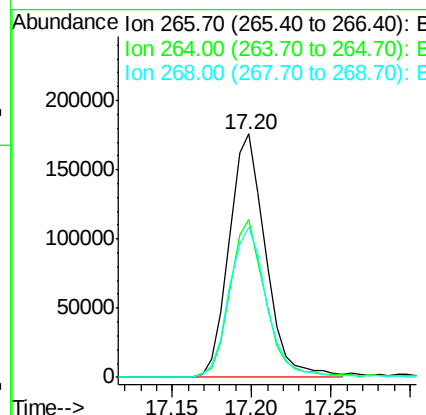
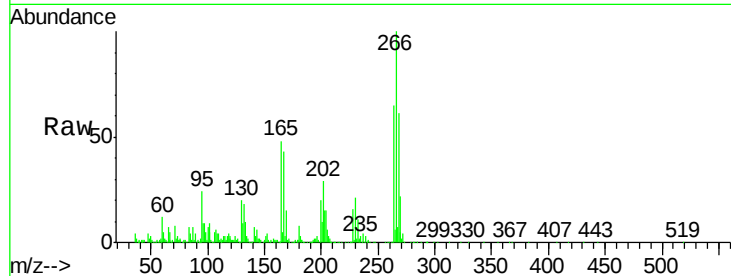




#68
 Pentachlorophenol
 Concen: 30.91 ng/ul
 RT: 17.20 min Scan# 2444
 Delta R.T. -0.00 min
 Lab File: BG023617.D
 Acq: 11 Aug 2016 7:00

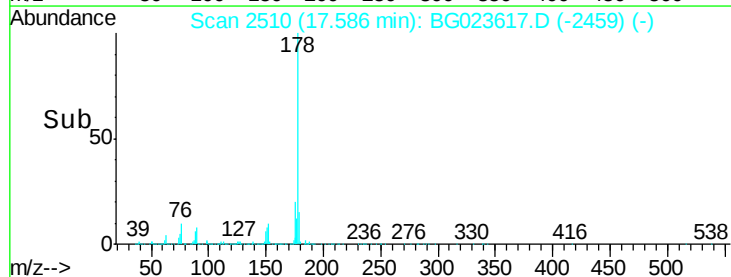
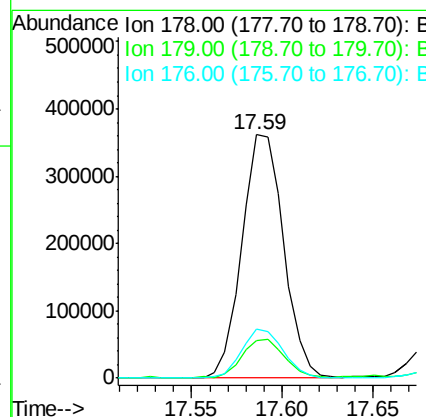
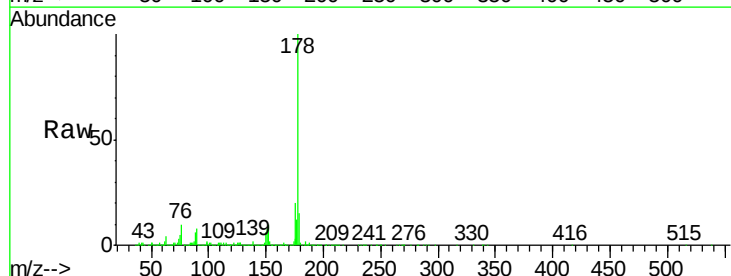
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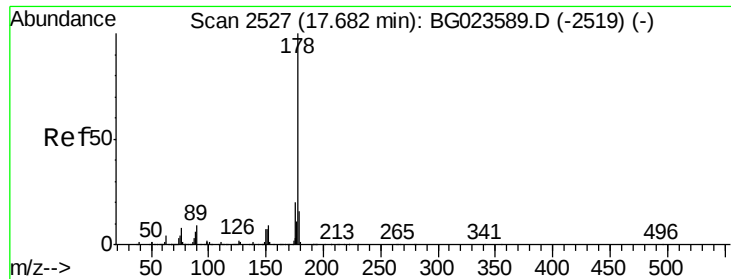
Tgt Ion	Ratio	Lower	Upper
266	100		
264	64.6	54.7	82.1
268	61.5	57.8	86.8



#69
 Phenanthrene
 Concen: 8.23 ng/ul
 RT: 17.59 min Scan# 2510
 Delta R.T. -0.00 min
 Lab File: BG023617.D
 Acq: 11 Aug 2016 7:00

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.9	19.3
176	20.2	15.8	23.8





#71

Anthracene

Concen: 8.07 ng/ul

RT: 17.59 min Scan# 2510

Delta R.T. -0.10 min

Lab File: BG023617.D

Acq: 11 Aug 2016 7:00

Instrument :

BNA_G

ClientSampleId :

P002-SS001-1218-01MS

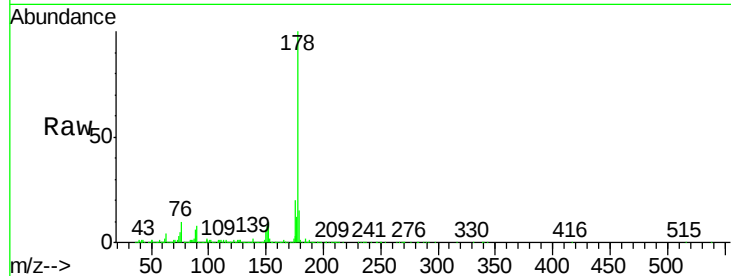
Tgt Ion:178 Resp: 573804

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

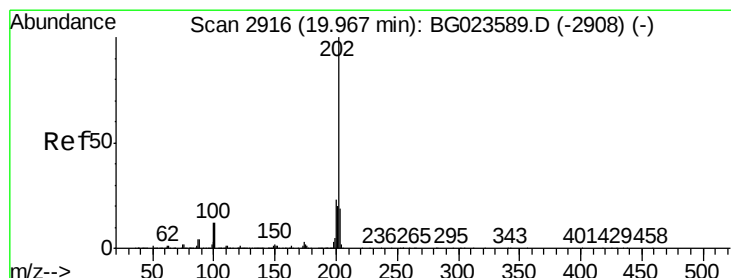
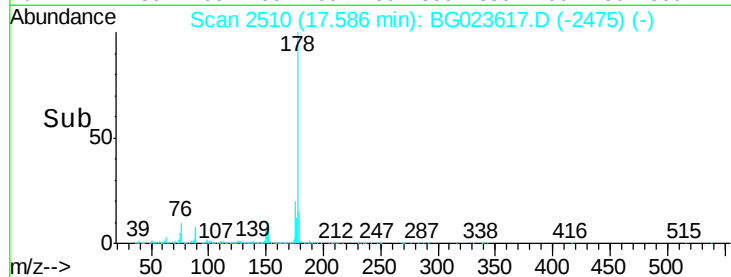
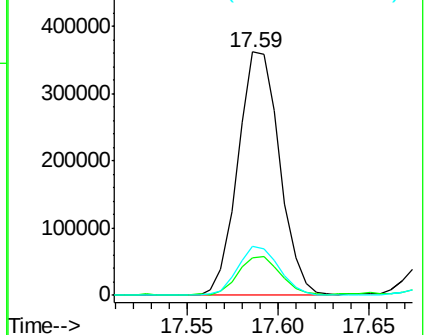
176 20.2 16.3 24.5



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



#77

Pyrene

Concen: 35.61 ng/ul

RT: 19.97 min Scan# 2916

Delta R.T. 0.00 min

Lab File: BG023617.D

Acq: 11 Aug 2016 7:00

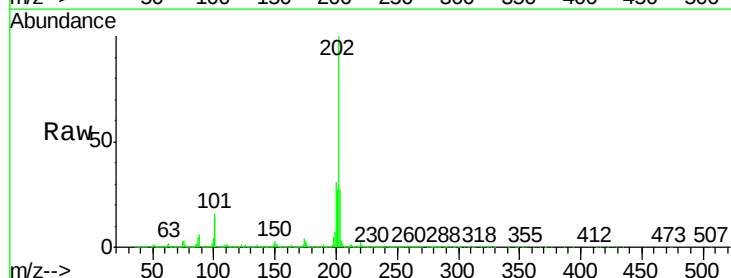
Tgt Ion:202 Resp: 2871715

Ion Ratio Lower Upper

202 100

101 16.3 12.5 18.7

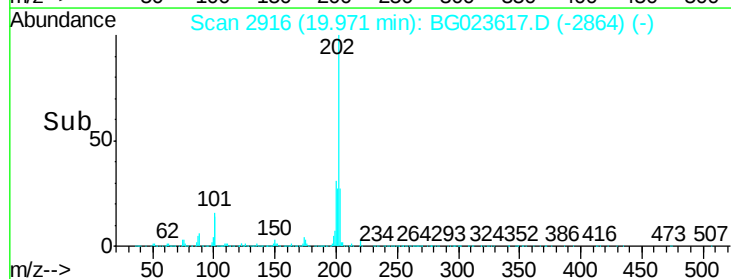
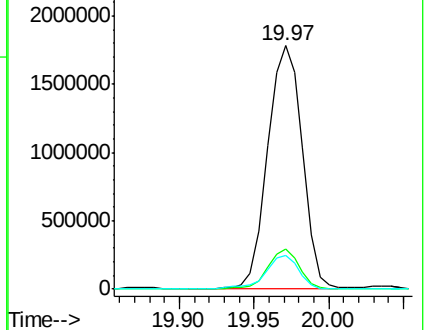
100 14.1 10.2 15.4

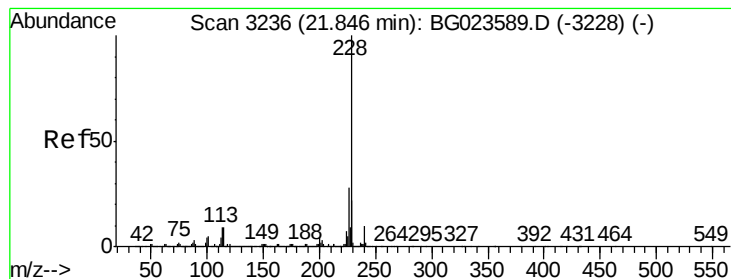


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 8.44 ng/ul

RT: 21.92 min Scan# 3247

Delta R.T. 0.07 min

Lab File: BG023617.D

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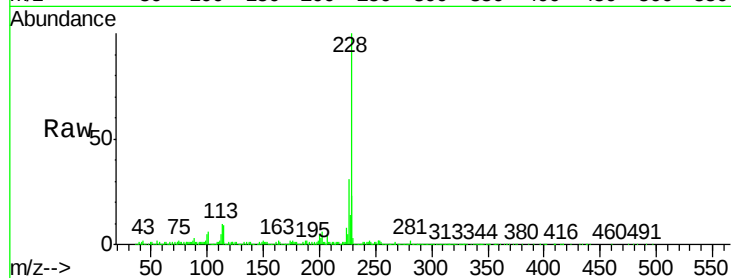
Tgt Ion:228 Resp: 620148

Ion Ratio Lower Upper

228 100

229 22.8 15.4 23.2

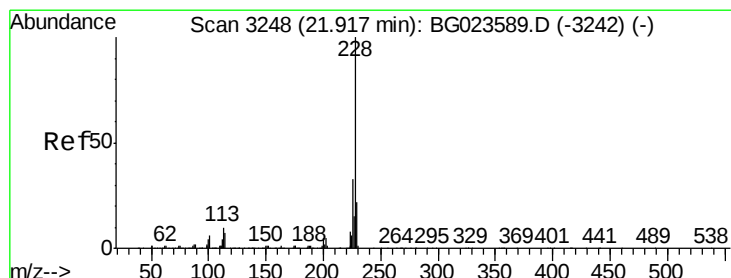
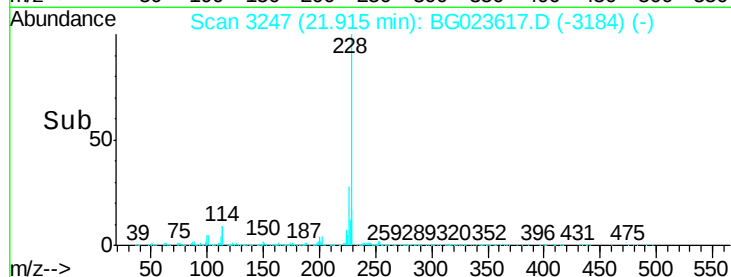
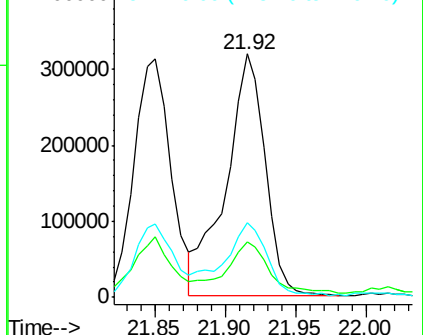
226 30.6 22.8 34.2



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: 9.28 ng/ul

RT: 21.92 min Scan# 3247

Delta R.T. -0.00 min

Lab File: BG023617.D

Acq: 11 Aug 2016 7:00

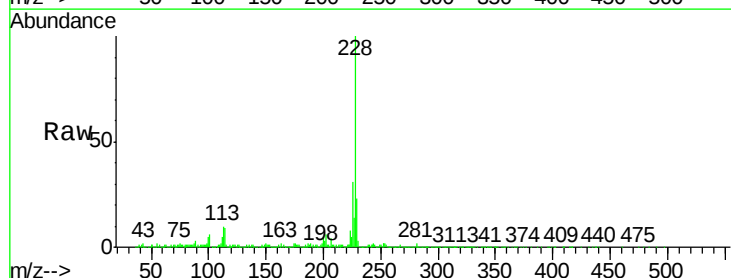
Tgt Ion:228 Resp: 620148

Ion Ratio Lower Upper

228 100

226 30.6 24.2 36.4

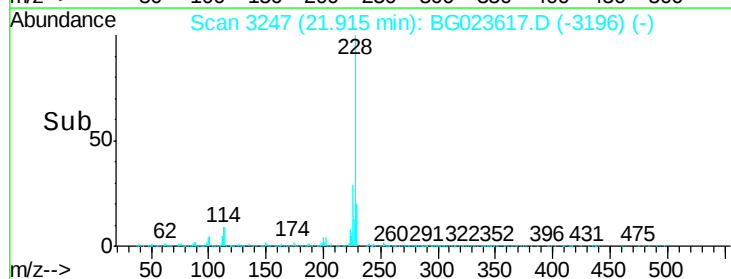
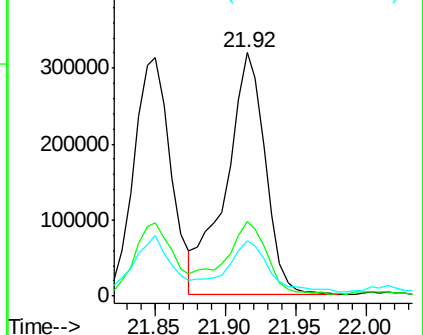
229 22.8 15.0 22.6#

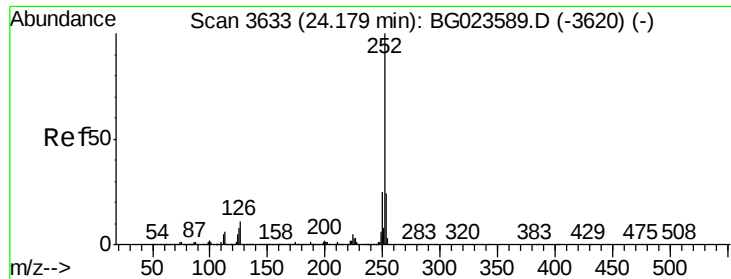


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 7.68 ng/ul

RT: 24.18 min Scan# 3633

Delta R.T. 0.00 min

Lab File: BG023617.D

Acq: 11 Aug 2016 7:00

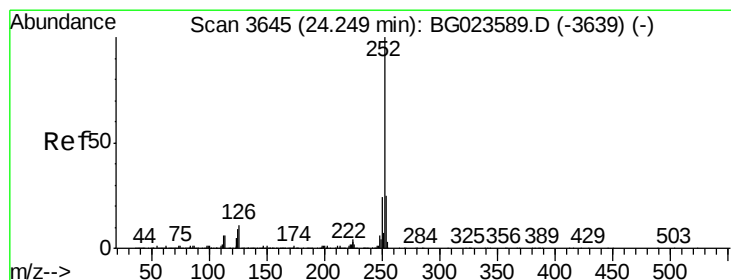
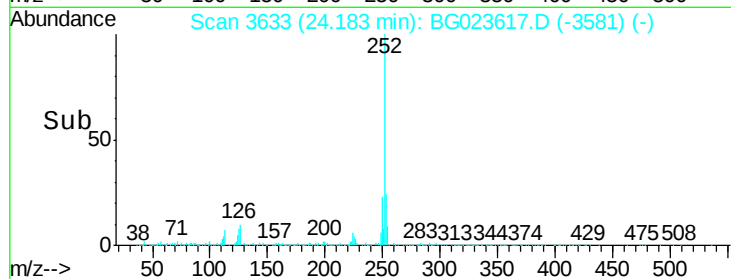
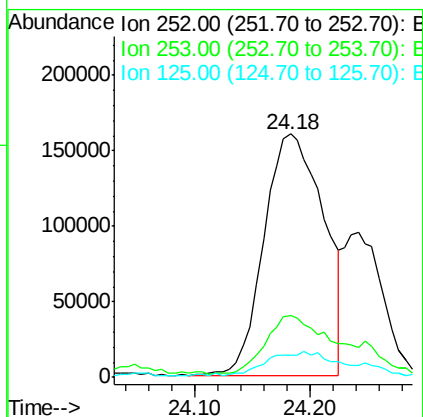
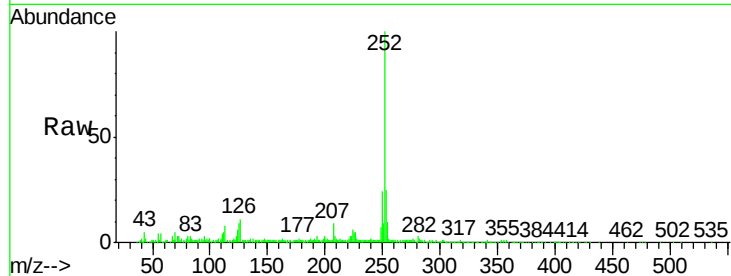
Instrument :

BNA_G

ClientSampleId :

P002-SS001-1218-01MS

Tgt Ion:	252	Resp:	575717
Ion Ratio		Lower	Upper
252	100		
253	25.4	18.2	27.2
125	8.9	10.8	16.2#



#86

Benzo(k)fluoranthene

Concen: 7.80 ng/ul

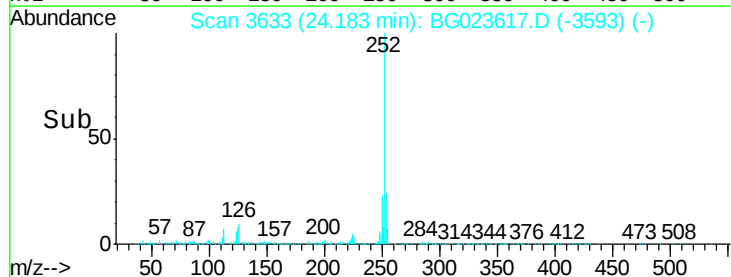
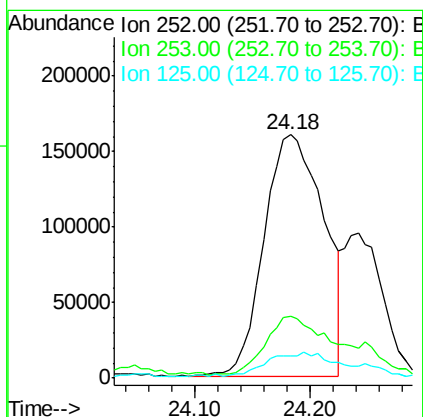
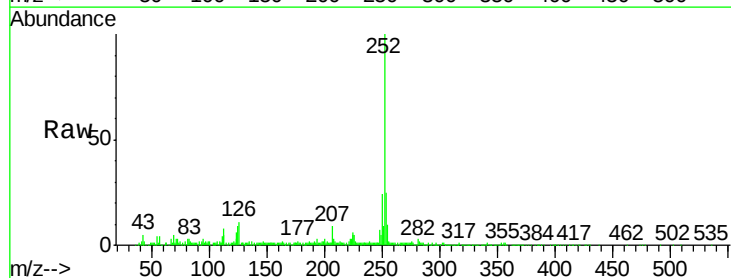
RT: 24.18 min Scan# 3633

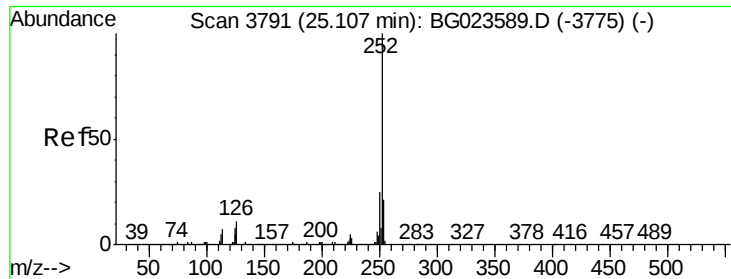
Delta R.T. -0.07 min

Lab File: BG023617.D

Acq: 11 Aug 2016 7:00

Tgt Ion:	252	Resp:	575717
Ion Ratio		Lower	Upper
252	100		
253	25.4	15.8	23.6#
125	8.9	10.6	16.0#





#88

Benzo(a)pyrene

Concen: 4.74 ng/ul

RT: 24.94 min Scan# 3762

Delta R.T. -0.17 min

Lab File: BG023617.D

Acq: 11 Aug 2016 7:00

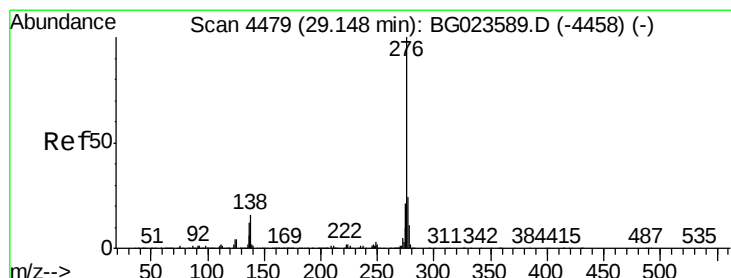
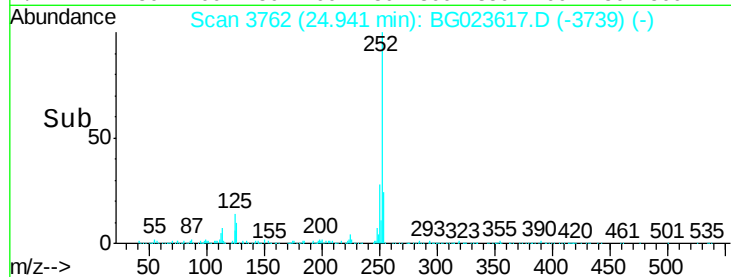
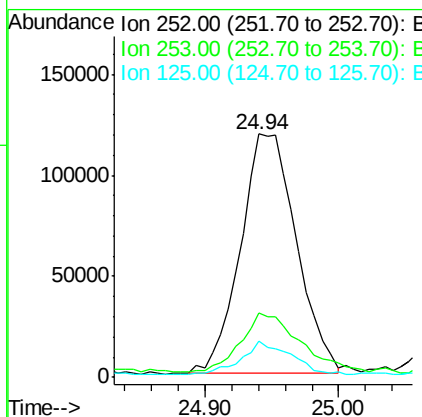
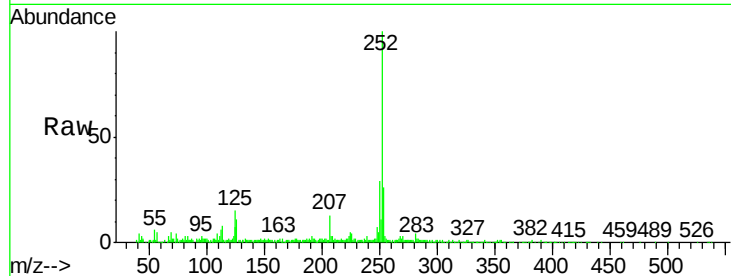
Instrument :

BNA_G

ClientSampleId :

P002-SS001-1218-01MS

Tgt Ion:	252	Resp:	342947
Ion	Ratio	Lower	Upper
252	100		
253	26.2	19.0	28.4
125	14.8	12.0	18.0



#89

Indeno(1,2,3-cd)pyrene

Concen: 3.56 ng/ul

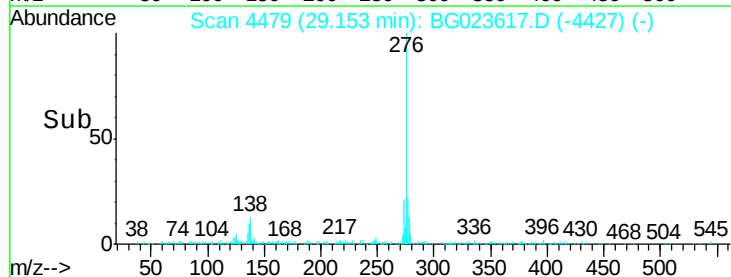
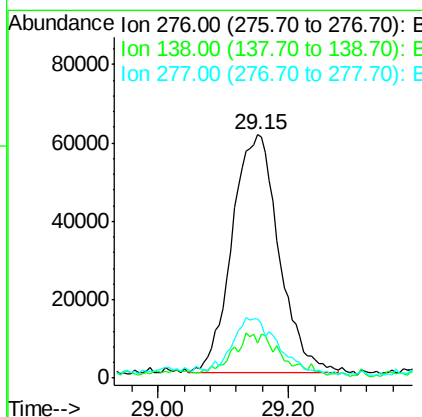
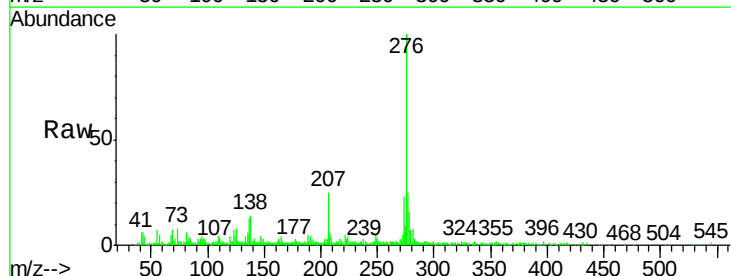
RT: 29.15 min Scan# 4479

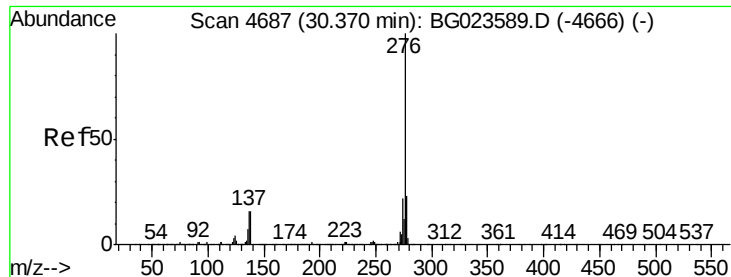
Delta R.T. 0.00 min

Lab File: BG023617.D

Acq: 11 Aug 2016 7:00

Tgt Ion:	276	Resp:	303058
Ion	Ratio	Lower	Upper
276	100		
138	14.2	20.8	31.2#
277	24.5	17.6	26.4





#91

Benzo(g,h,i)perylene

Concen: 4.60 ng/ul

RT: 30.37 min Scan# 4686

Delta R.T. -0.00 min

Lab File: BG023617.D

Acq: 11 Aug 2016 7:00

Instrument :

BNA_G

ClientSampleId :

P002-SS001-1218-01MS

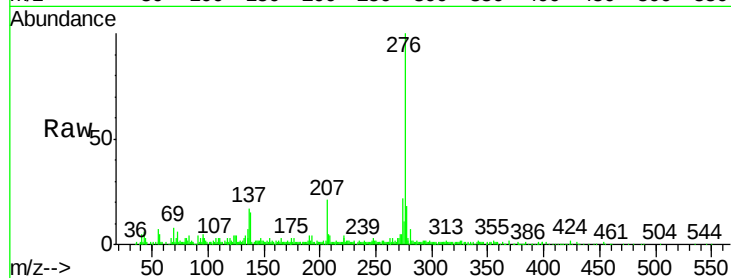
Tgt Ion: 276 Resp: 324508

Ion Ratio Lower Upper

276 100

138 15.2 22.1 33.1#

277 17.9 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

