

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
 Data File : BG023651.D
 Acq On : 12 Aug 2016 11:47
 Operator : UM/SJ
 Sample : H4384-11
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P001-SS002-3642-01

Manual Integrations
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Quant Time: Aug 13 02:08:46 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 13 01:31:24 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	107904	20.00	ng/ul	0.00
18) Naphthalene-d8	10.95	136	645903	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	520292	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.56	188	1364253	20.00	ng/ul	0.00
75) Chrysene-d12	21.88	240	1133162	20.00	ng/ul	0.00
83) Perylene-d12	25.29	264	1178884	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	4266m	1.68	ng/uL	0.00
5) Phenol-d5	7.27	99	210044	19.32	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.43	67	124514	17.88	ng/ul	0.00
9) 2-Chlorophenol-d4	7.64	132	145372	19.60	ng/ul	0.00
13) 4-Methylphenol-d8	8.83	113	170496	20.09	ng/ul	0.00
19) Nitrobenzene-d5	9.29	128	83854m	16.47	ng/ul	0.00
22) 2-Nitrophenol-d4	10.02	143	173764	29.72	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.57	165	252665	22.91	ng/ul	0.00
29) 4-Chloroaniline-d4	11.09	131	128335	9.92	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	735849	17.27	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	875101	18.25	ng/ul	0.00
51) 4-Nitrophenol-d4	15.01	143	117241	16.12	ng/ul	0.00
57) Fluorene-d10	15.78	176	720132	18.30	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.94	200	14309	1.63	ng/ul	0.03
70) Anthracene-d10	17.65	188	1164919	18.95	ng/ul	0.00
76) Pyrene-d10	19.95	212	1139676	19.87	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.05	264	974250	18.26	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	11.00	128	69217	2.11	ng/ul#	93
34) 2-Methylnaphthalene	12.61	142	125259	4.71	ng/ul	93
44) Dimethylphthalate	14.23	163	287429	6.81	ng/ul	98
47) Acenaphthylene	14.51	152	488340	9.74	ng/ul	98
49) Acenaphthene	14.85	153	137970	4.04	ng/ul	95
53) Dibenzofuran	15.19	168	218211	4.31	ng/ul#	85
58) Fluorene	15.84	166	619161	14.68	ng/ul	97
64) N-Nitrosodiphenylamine	16.04	169	45150	1.18	ng/ul#	67
69) Phenanthrene	17.60	178	4391107m	62.15	ng/ul	
71) Anthracene	17.69	178	878733	12.19	ng/ul	99
72) Carbazole	17.96	167	328097	5.65	ng/ul	96
74) Fluoranthene	19.62	202	3876018	53.59	ng/ul#	90
77) Pyrene	19.98	202	4111397	58.69	ng/ul#	84
80) Benzo(a)anthracene	21.86	228	2246502	35.20	ng/ul#	86
81) Bis(2-ethylhexyl)phthalate	21.74	149	38612	1.08	ng/ul#	91
82) Chrysene	21.93	228	2388371	41.16	ng/ul#	86
85) Benzo(b)fluoranthene	24.20	252	2261852	33.73	ng/ul#	94
86) Benzo(k)fluoranthene	24.27	252	872715m	13.22	ng/ul	
88) Benzo(a)pyrene	25.13	252	1886089m	29.13	ng/ul	
89) Indeno(1,2,3-cd)pyrene	29.20	276	1160513	15.26	ng/ul#	87
90) Dibenzo(a,h)anthracene	29.24	278	355197	5.47	ng/ul#	89
91) Benzo(g,h,i)perylene	30.42	276	1184870m	18.79	ng/ul	

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BNA_G
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P001-SS002-3642-01

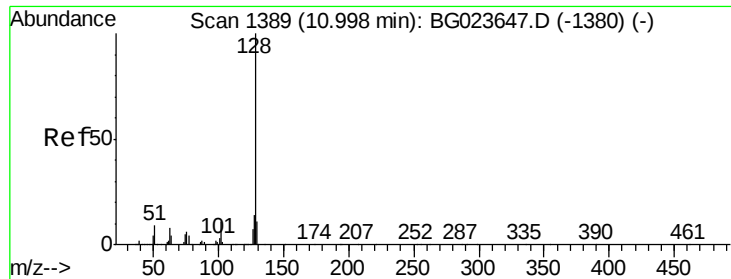
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Quant Time: Aug 13 02:08:46 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 01:31:24 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#28

Naphthalene

Concen: 2.11 ng/ul

RT: 11.00 min Scan# 1390

Delta R.T. 0.00 min

Lab File: BG023651.D

Acq: 12 Aug 2016 11:47

Instrument :

BNA_G

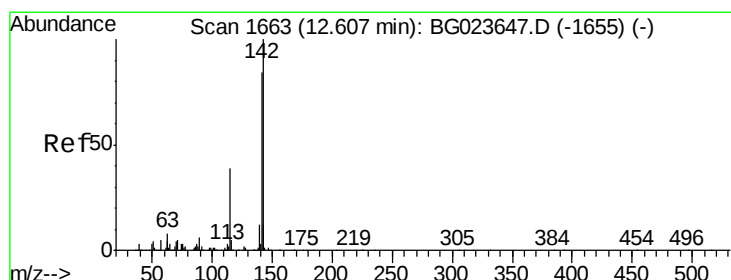
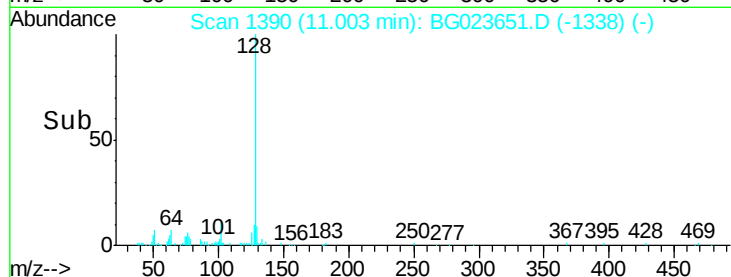
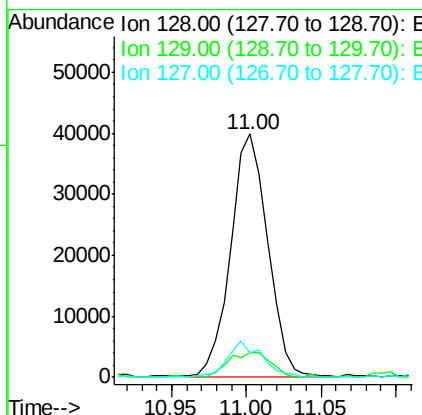
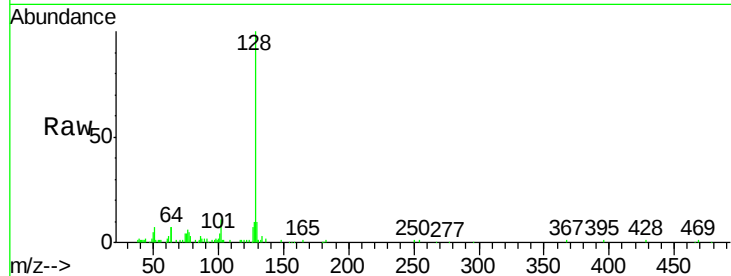
ClientSampleId :

P001-SS002-3642-01

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.0	9.4	14.2
127	10.2	11.2	16.8

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#34

2-Methylnaphthalene

Concen: 4.71 ng/ul

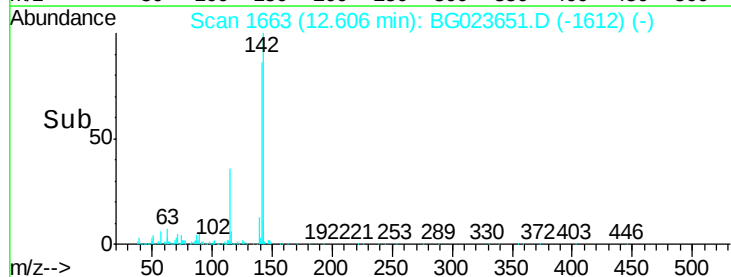
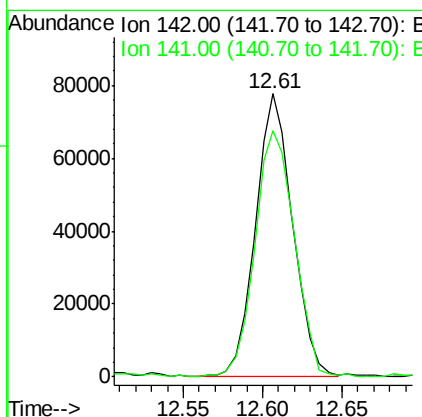
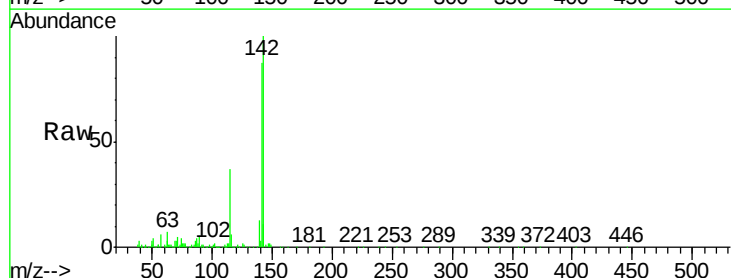
RT: 12.61 min Scan# 1663

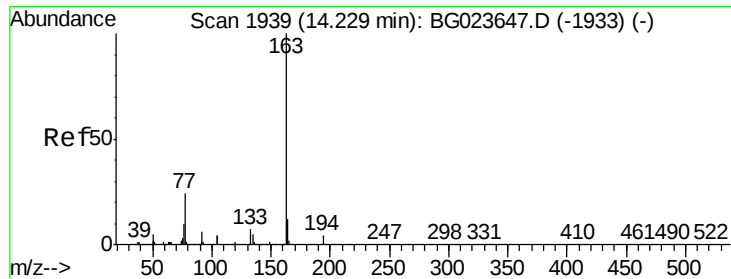
Delta R.T. -0.00 min

Lab File: BG023651.D

Acq: 12 Aug 2016 11:47

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.9	75.2	112.8





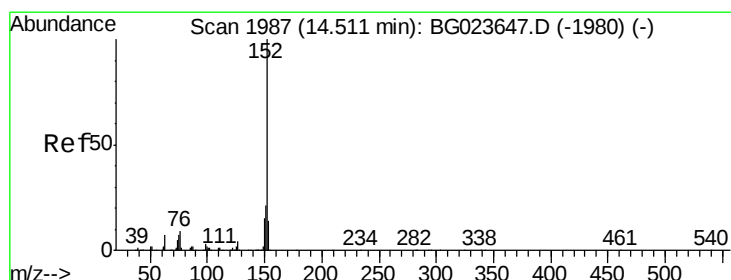
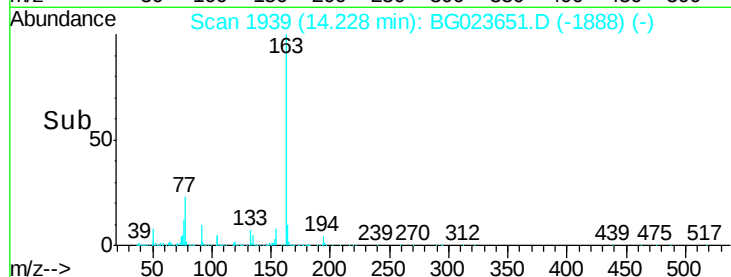
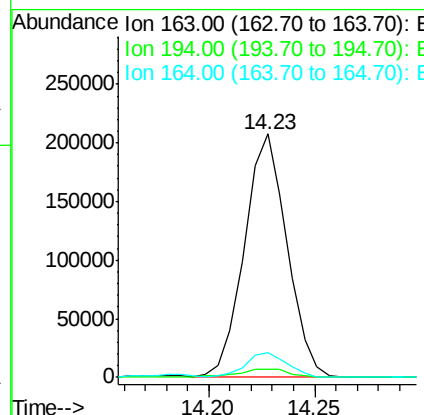
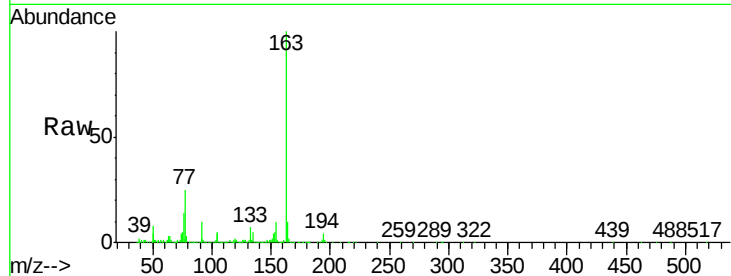
#44
Dimethylphthalate
Concen: 6.81 ng/ul
RT: 14.23 min Scan# 1939
Delta R.T. -0.00 min
Lab File: BG023651.D
Acq: 12 Aug 2016 11:47

Instrument :
BNA_G
ClientSampleId :
P001-SS002-3642-01

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	287429		
194	3.6		3.4	5.2
164	10.4		8.8	13.2

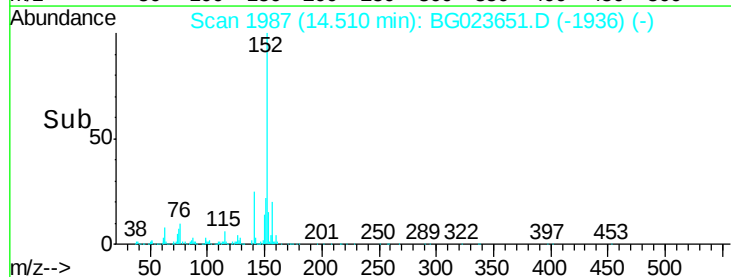
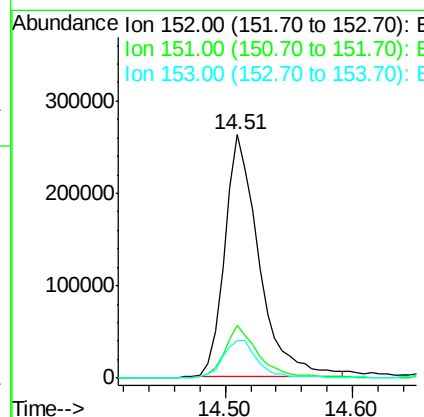
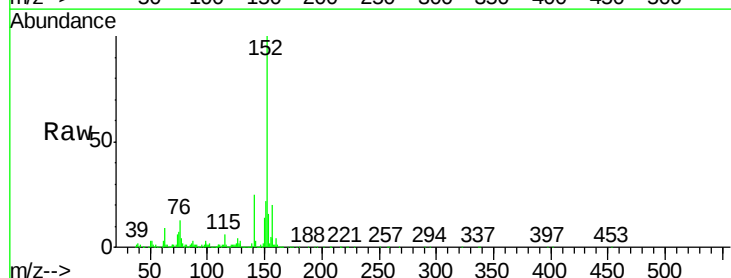
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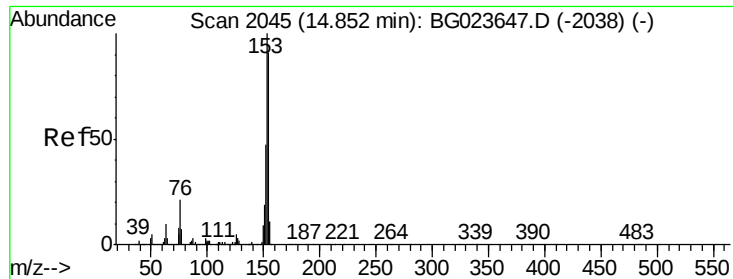
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#47
Acenaphthylene
Concen: 9.74 ng/ul
RT: 14.51 min Scan# 1987
Delta R.T. -0.00 min
Lab File: BG023651.D
Acq: 12 Aug 2016 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	488340		
151	21.9		17.5	26.3
153	15.7		11.1	16.7





#49

Acenaphthene

Concen: 4.04 ng/ul

RT: 14.85 min Scan# 2045

Delta R.T. -0.00 min

Lab File: BG023651.D

Acq: 12 Aug 2016 11:47

Instrument :

BNA_G

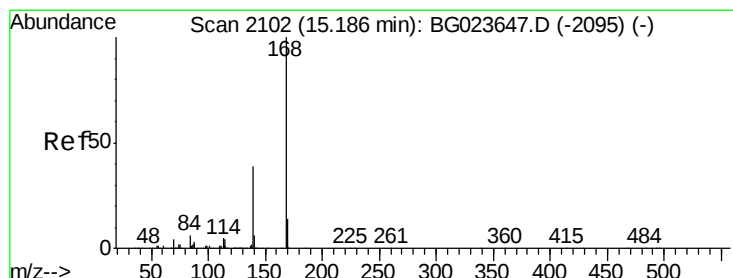
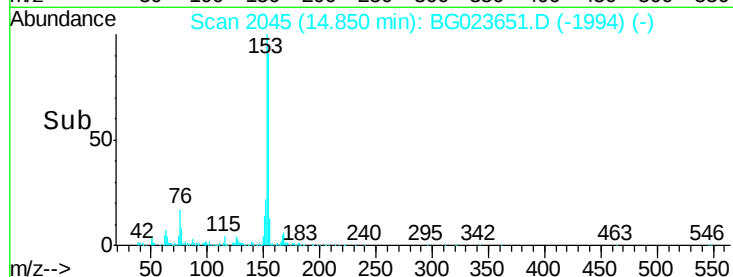
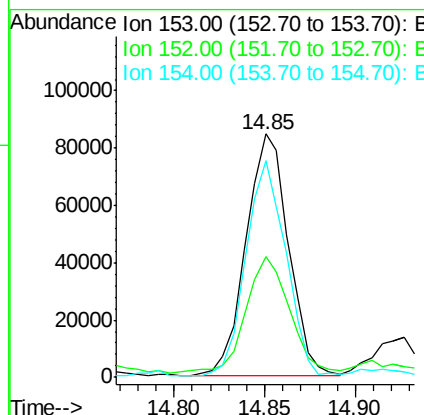
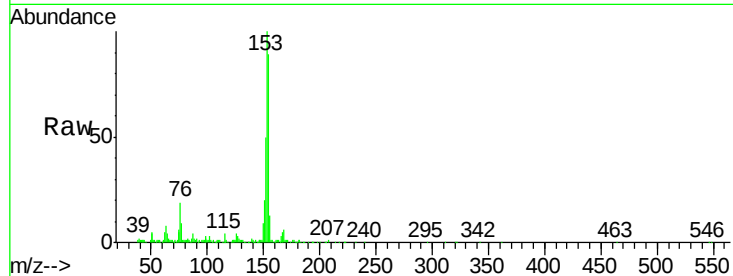
ClientSampleId :

P001-SS002-3642-01

Tgt Ion:	153	Resp:	137970
Ion Ratio	Lower	Upper	
153	100		
152	49.8	37.3	55.9
154	89.2	68.2	102.2

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#53

Dibenzofuran

Concen: 4.31 ng/ul

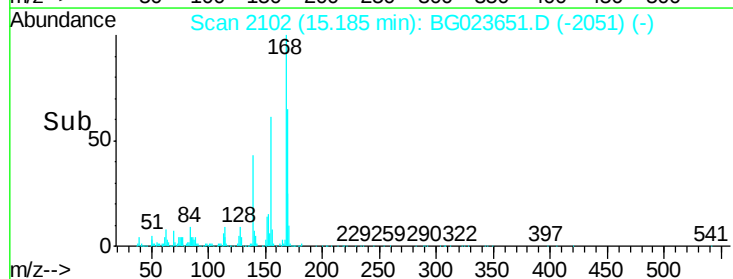
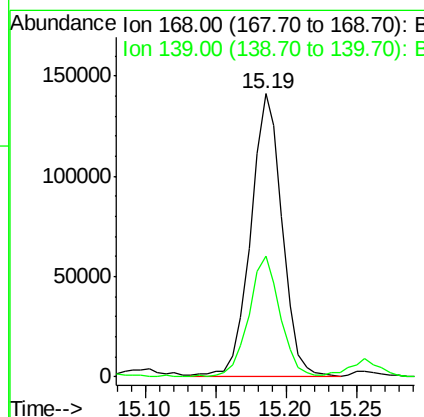
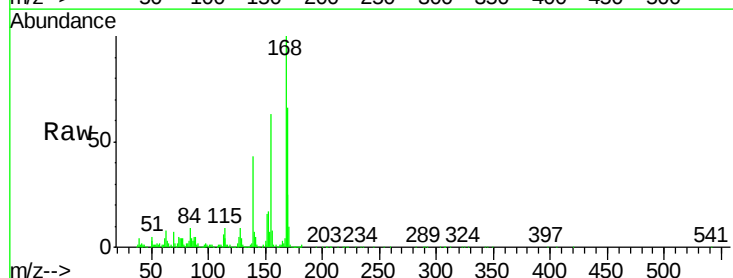
RT: 15.19 min Scan# 2102

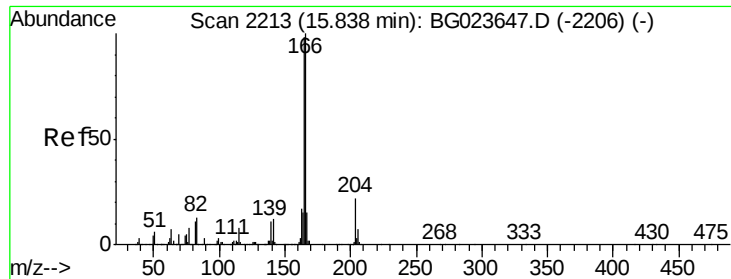
Delta R.T. -0.00 min

Lab File: BG023651.D

Acq: 12 Aug 2016 11:47

Tgt Ion:	168	Resp:	218211
Ion Ratio	Lower	Upper	
168	100		
139	42.9	27.4	41.0#





#58

Fluorene

Concen: 14.68 ng/ul

RT: 15.84 min Scan# 2213

Delta R.T. -0.00 min

Lab File: BG023651.D

Acq: 12 Aug 2016 11:47

Instrument :

BNA_G

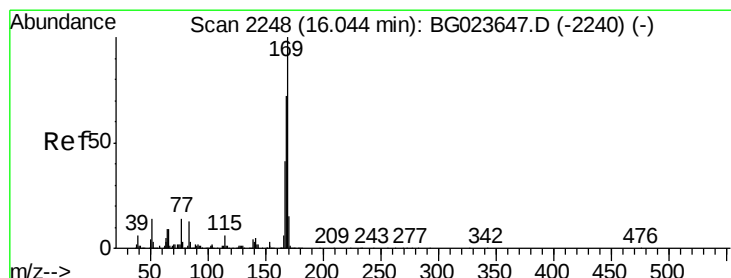
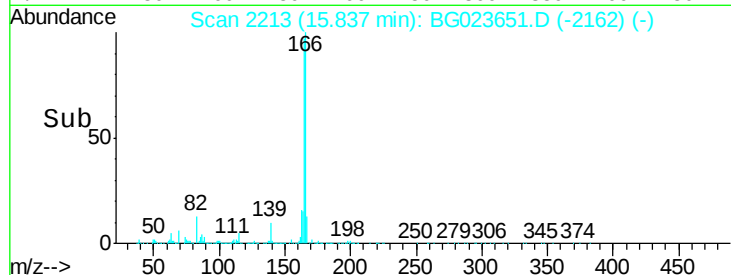
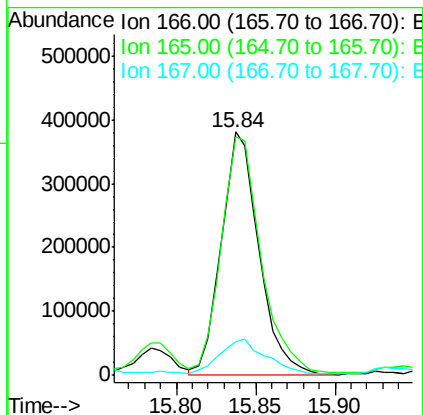
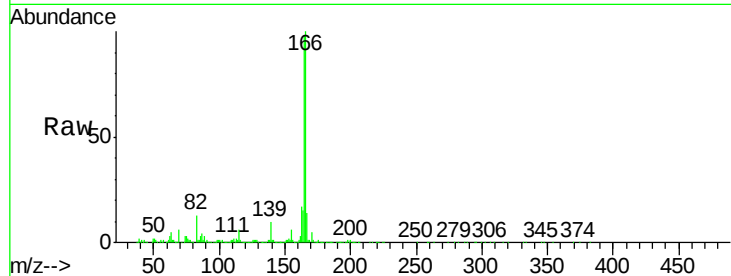
ClientSampleId :

P001-SS002-3642-01

Tgt Ion:	166	Resp:	619161
Ion Ratio	Lower	Upper	
166	100		
165	97.8	80.3	120.5
167	14.0	10.3	15.5

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#64

N-Nitrosodiphenylamine

Concen: 1.18 ng/ul

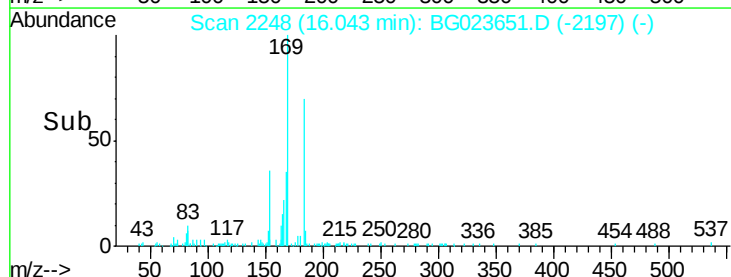
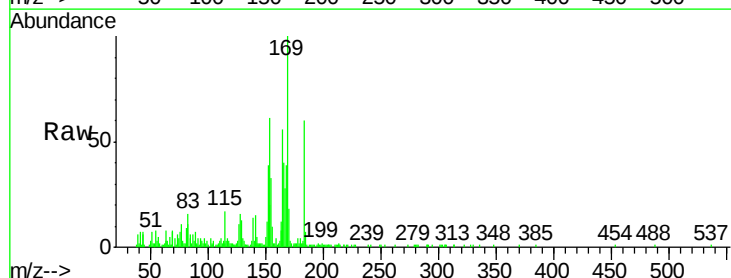
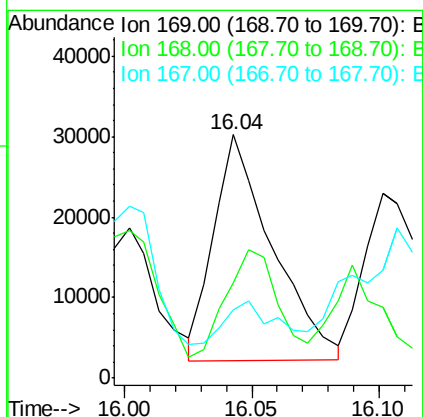
RT: 16.04 min Scan# 2248

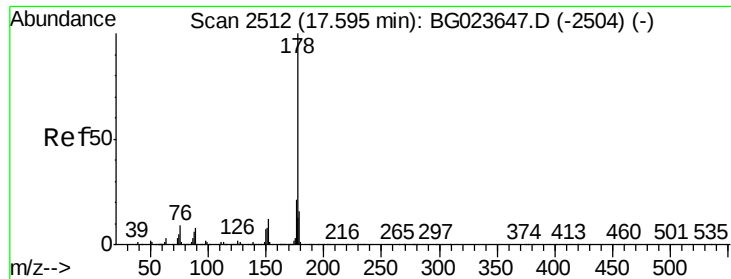
Delta R.T. -0.00 min

Lab File: BG023651.D

Acq: 12 Aug 2016 11:47

Tgt Ion:	169	Resp:	45150
Ion Ratio	Lower	Upper	
169	100		
168	39.3	59.0	88.6#
167	28.1	30.6	46.0#





#69

Phenanthrene

Concen: 62.15 ng/ul m

RT: 17.60 min Scan# 2513

Delta R.T. 0.00 min

Lab File: BG023651.D

Acq: 12 Aug 2016 11:47

Instrument :

BNA_G

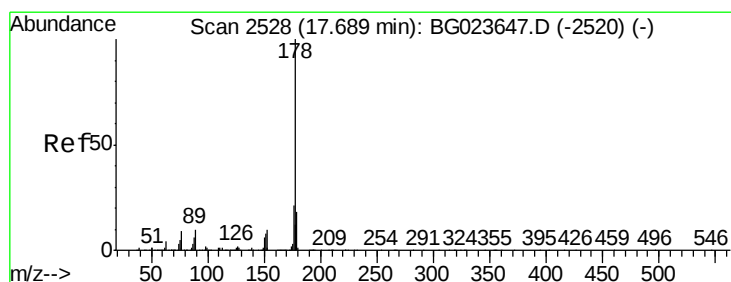
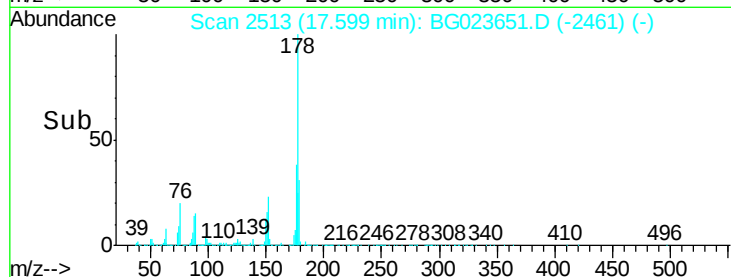
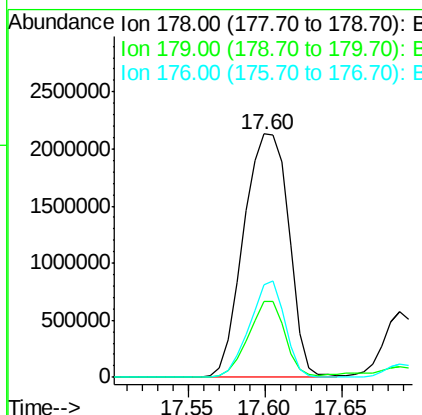
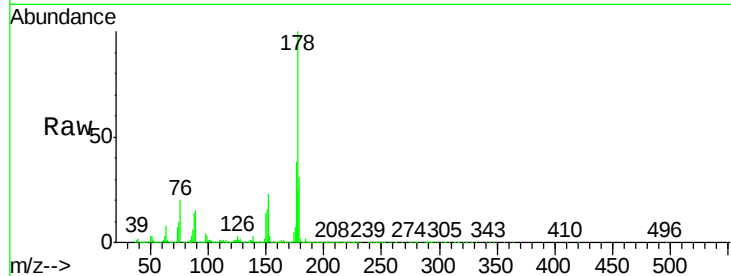
ClientSampleId :

P001-SS002-3642-01

Tgt Ion:178 Resp: 4391107
 Ion Ratio Lower Upper
 178 100
 179 31.4 12.9 19.3#
 176 38.2 15.8 23.8#

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#71

Anthracene

Concen: 12.19 ng/ul

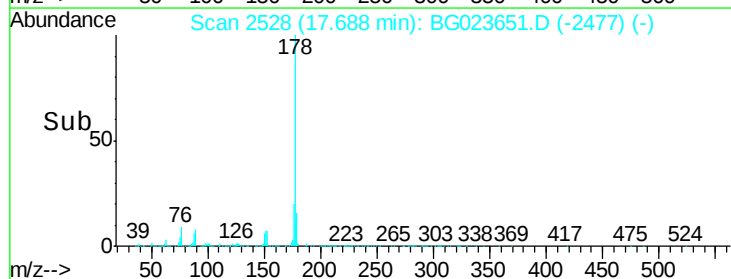
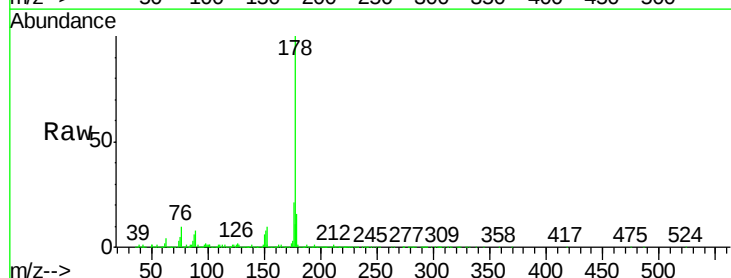
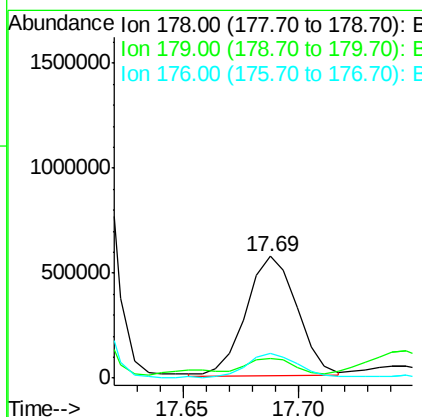
RT: 17.69 min Scan# 2528

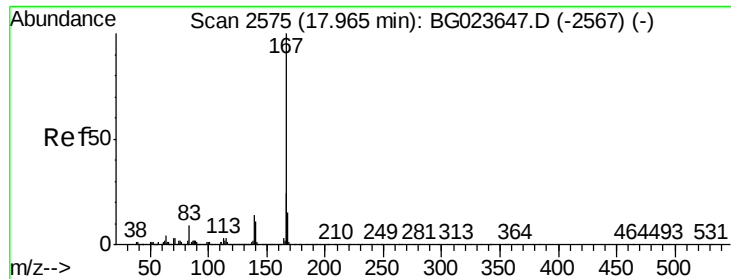
Delta R.T. -0.00 min

Lab File: BG023651.D

Acq: 12 Aug 2016 11:47

Tgt Ion:178 Resp: 878733
 Ion Ratio Lower Upper
 178 100
 179 16.4 12.3 18.5
 176 20.6 16.3 24.5





#72

Carbazole

Concen: 5.65 ng/ul

RT: 17.96 min Scan# 2575

Delta R.T. -0.00 min

Lab File: BG023651.D

Acq: 12 Aug 2016 11:47

Instrument :

BNA_G

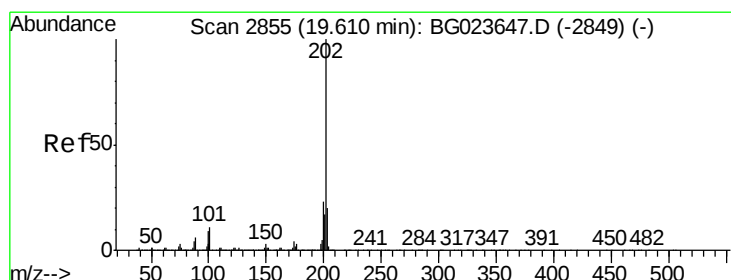
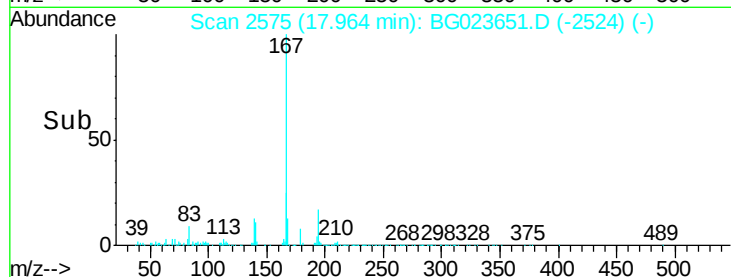
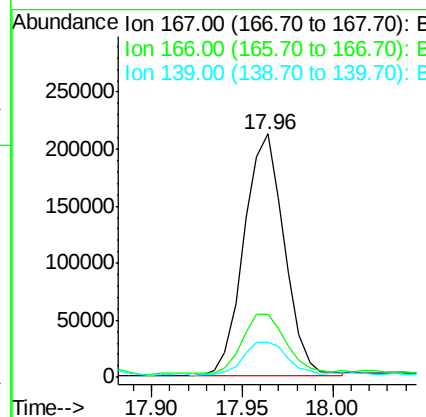
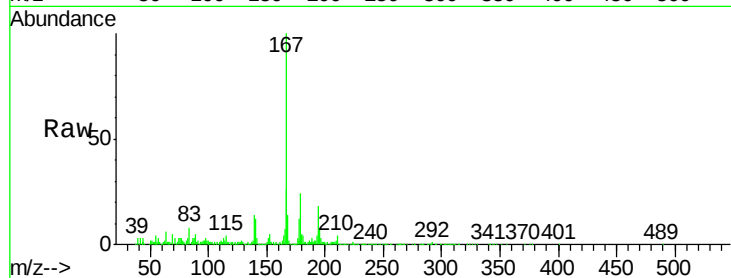
ClientSampleId :

P001-SS002-3642-01

Tgt Ion:	167	Resp:	328097
Ion Ratio		Lower	Upper
167	100		
166	26.1	19.2	28.8
139	14.1	10.2	15.4

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#74

Fluoranthene

Concen: 53.59 ng/ul

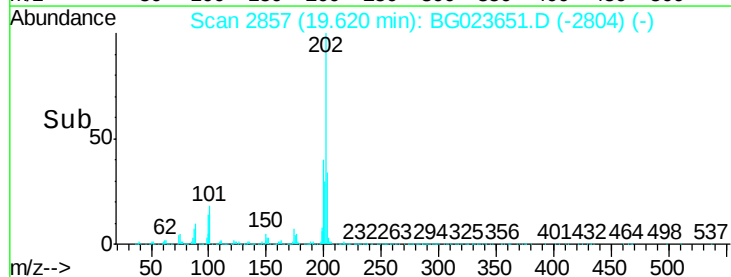
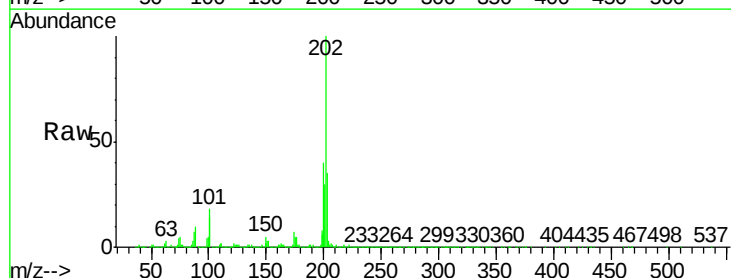
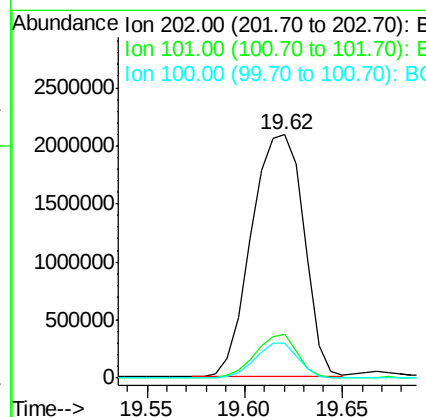
RT: 19.62 min Scan# 2857

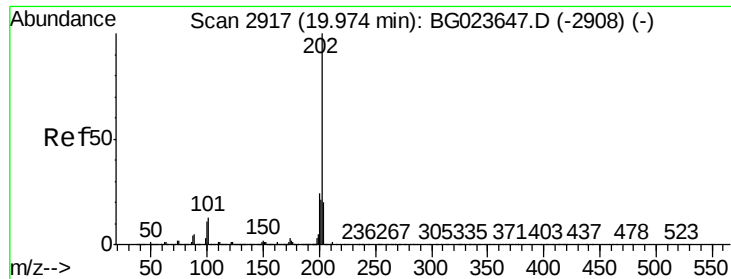
Delta R.T. 0.01 min

Lab File: BG023651.D

Acq: 12 Aug 2016 11:47

Tgt Ion:	202	Resp:	3876018
Ion Ratio		Lower	Upper
202	100		
101	17.8	10.6	16.0#
100	14.4	8.7	13.1#





#77

Pyrene

Concen: 58.69 ng/ul

RT: 19.98 min Scan# 2919

Delta R.T. 0.01 min

Lab File: BG023651.D

Acq: 12 Aug 2016 11:47

Instrument :

BNA_G

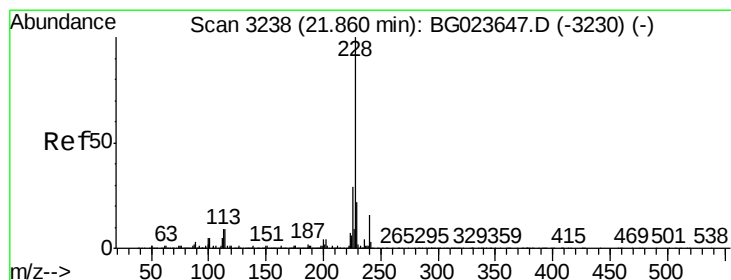
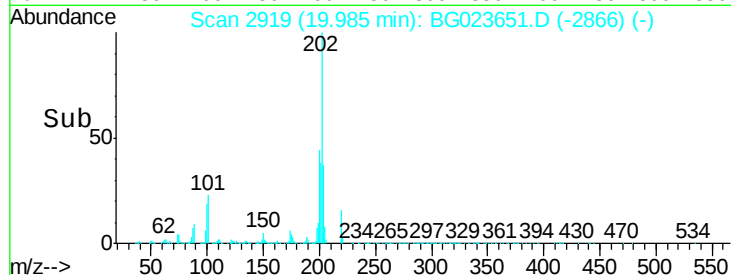
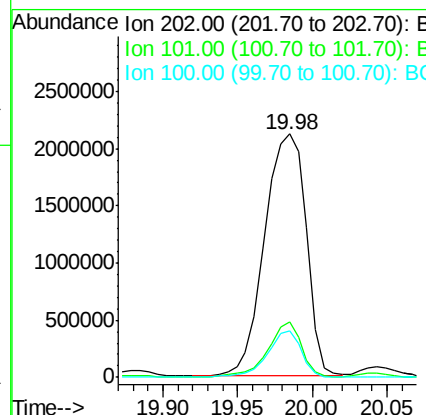
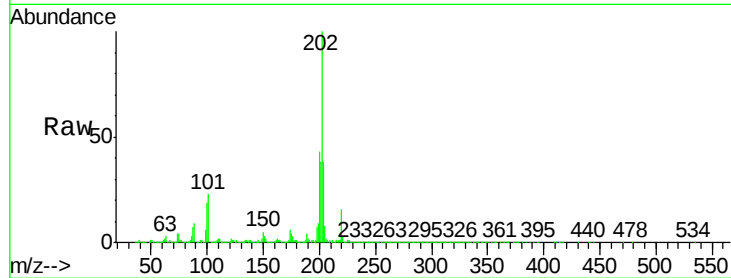
ClientSampleId :

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Tgt Ion:	202	Resp:	4111397
Ion Ratio	Lower	Upper	
202	100		
101	22.5	12.5	18.7#
100	19.2	10.2	15.4#

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#80

Benzo(a)anthracene

Concen: 35.20 ng/ul

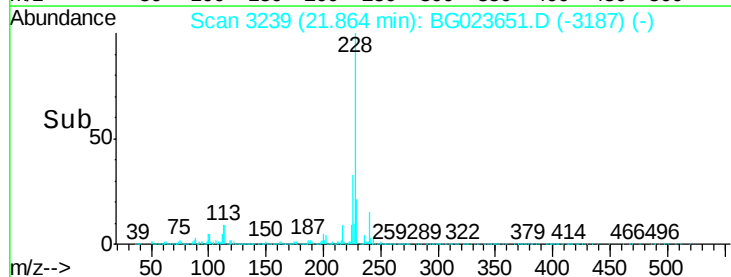
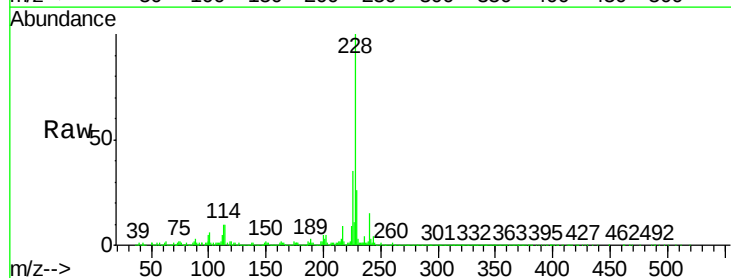
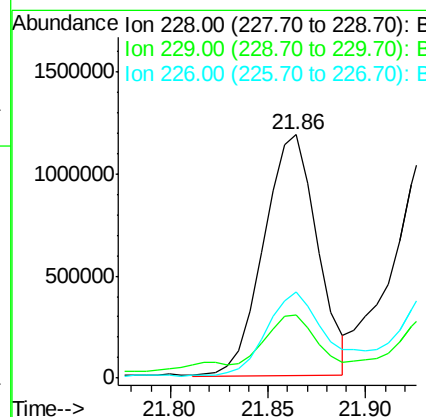
RT: 21.86 min Scan# 3239

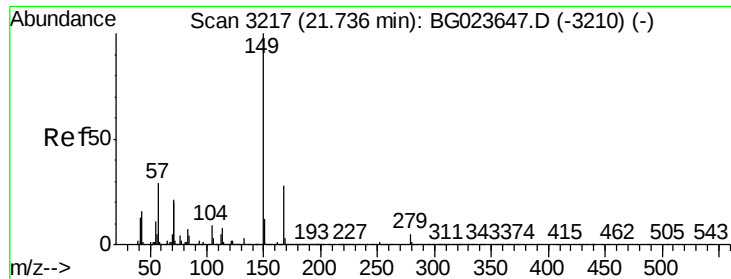
Delta R.T. 0.00 min

Lab File: BG023651.D

Acq: 12 Aug 2016 11:47

Tgt Ion:	228	Resp:	2246502
Ion Ratio	Lower	Upper	
228	100		
229	26.1	15.4	23.2#
226	35.4	22.8	34.2#





#81

Bis(2-ethylhexyl)phthalate

Concen: 1.08 ng/ul

RT: 21.74 min Scan# 3217

Delta R.T. -0.00 min

Lab File: BG023651.D

Acq: 12 Aug 2016 11:47

Instrument :

BNA_G

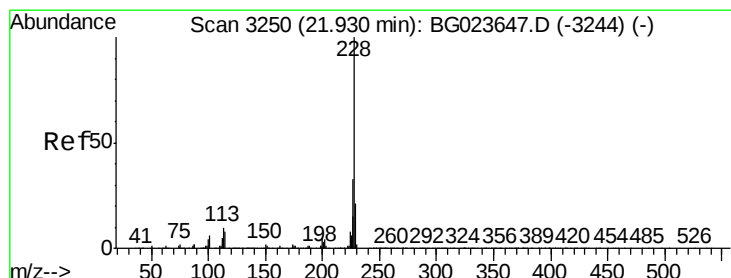
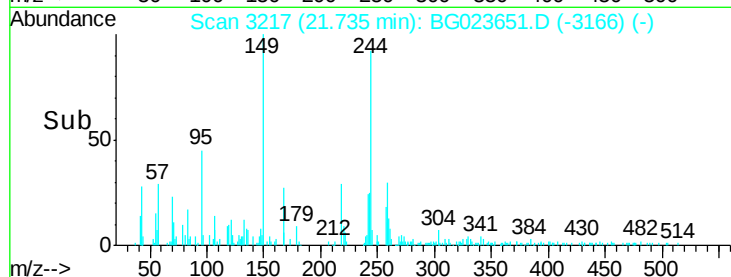
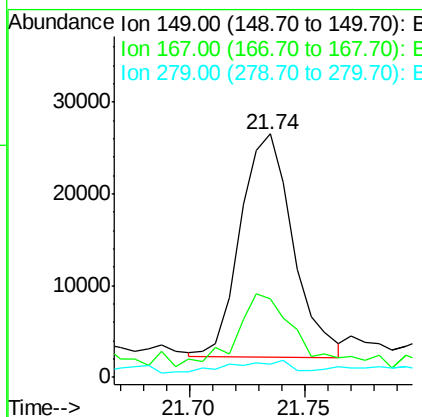
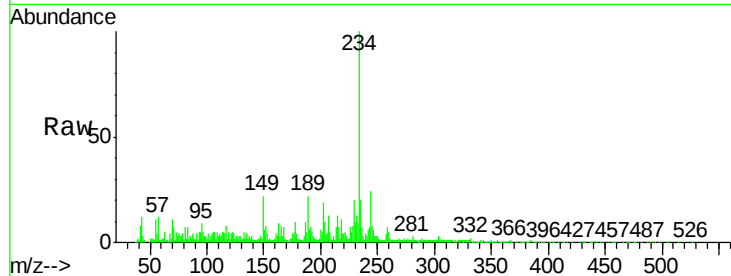
ClientSampleId :

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Tgt Ion:	149	Resp:	38612
Ion Ratio	Lower	Upper	
149	100		
167	32.4	21.9	32.9
279	5.5	2.9	4.3#

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#82

Chrysene

Concen: 41.16 ng/ul

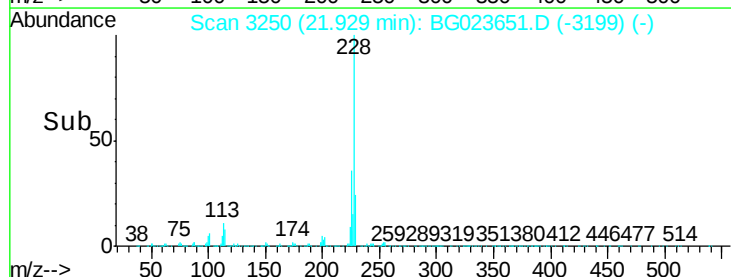
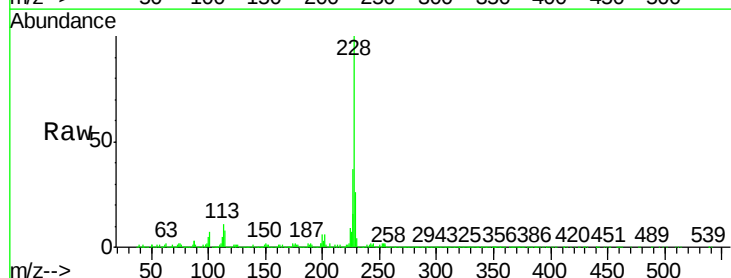
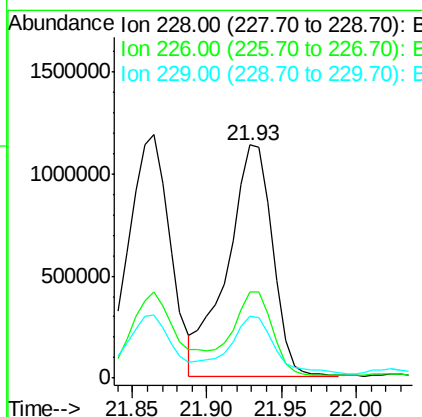
RT: 21.93 min Scan# 3250

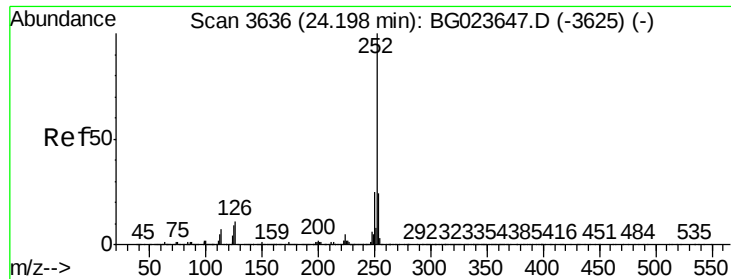
Delta R.T. -0.00 min

Lab File: BG023651.D

Acq: 12 Aug 2016 11:47

Tgt Ion:	228	Resp:	2388371
Ion Ratio	Lower	Upper	
228	100		
226	37.1	24.2	36.4#
229	26.3	15.0	22.6#





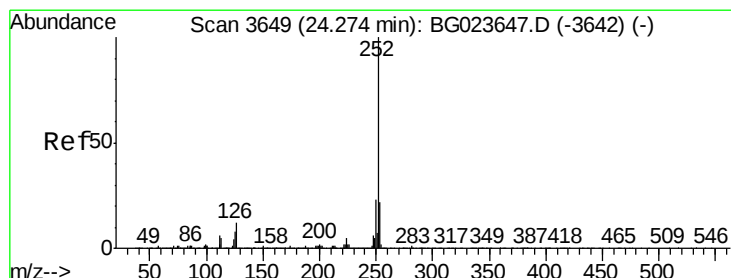
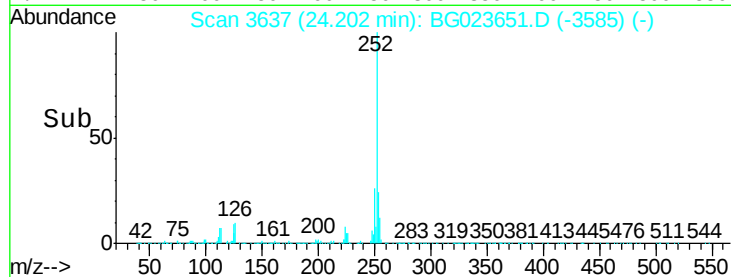
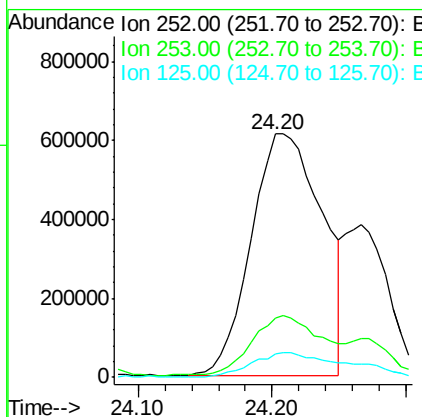
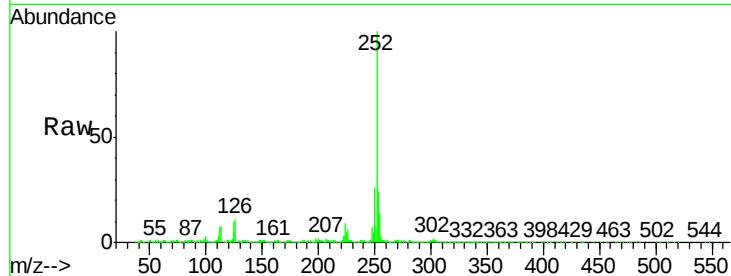
#85
Benzo(b)fluoranthene
Concen: 33.73 ng/ul
RT: 24.20 min Scan# 3637
Delta R.T. 0.00 min
Lab File: BG023651.D
Acq: 12 Aug 2016 11:47

Instrument :
BNA_G
ClientSampleId :
P001-SS002-3642-01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.2	27.2
125	9.5	10.8	16.2#

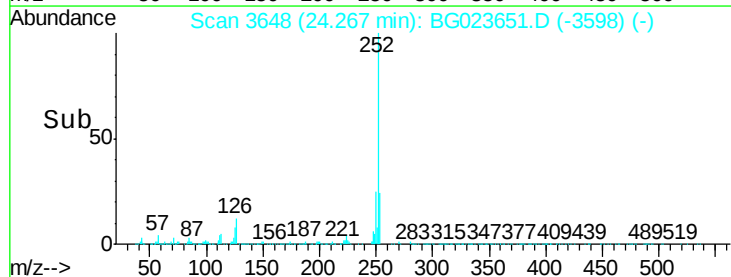
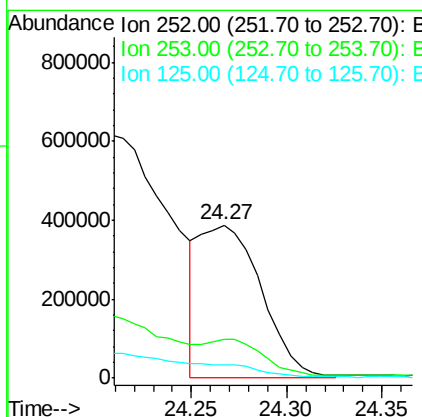
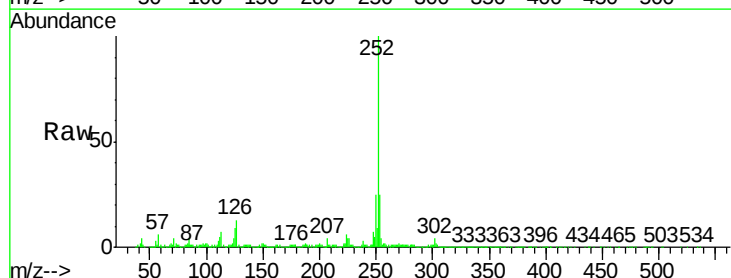
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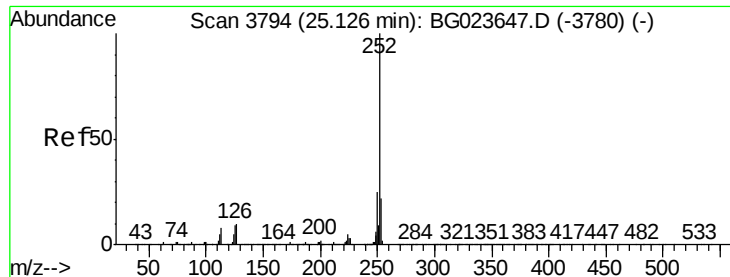
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#86
Benzo(k)fluoranthene
Concen: 13.22 ng/ul m
RT: 24.27 min Scan# 3648
Delta R.T. -0.01 min
Lab File: BG023651.D
Acq: 12 Aug 2016 11:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	15.8	23.6#
125	9.0	10.6	16.0#





#88

Benzo(a)pyrene

Concen: 29.13 ng/ul m

RT: 25.13 min Scan# 3795

Delta R.T. 0.00 min

Lab File: BG023651.D

Acq: 12 Aug 2016 11:47

Instrument :

BNA_G

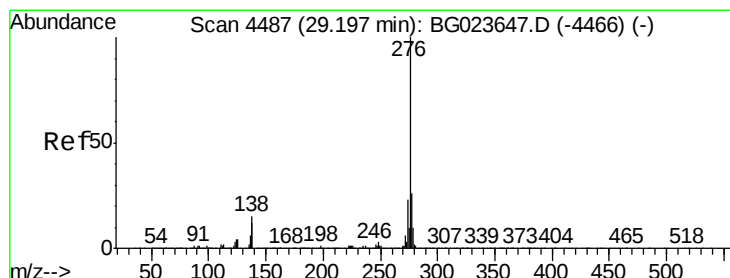
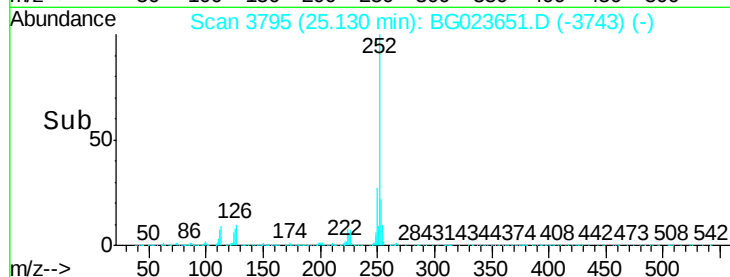
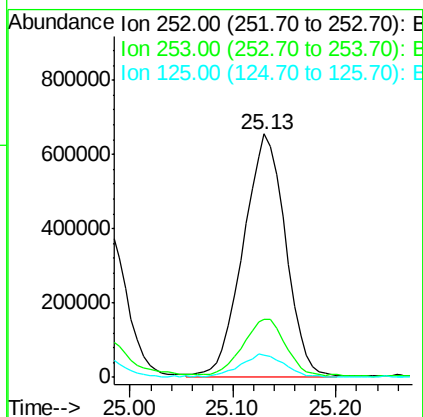
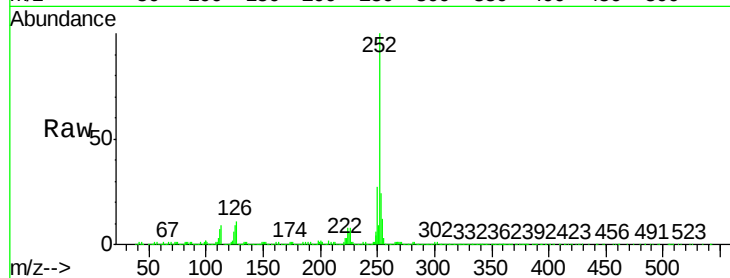
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	19.0	28.4
125	8.9	12.0	18.0#

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#89

Indeno(1,2,3-cd)pyrene

Concen: 15.26 ng/ul

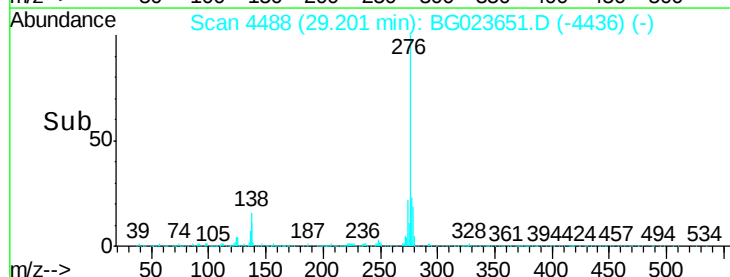
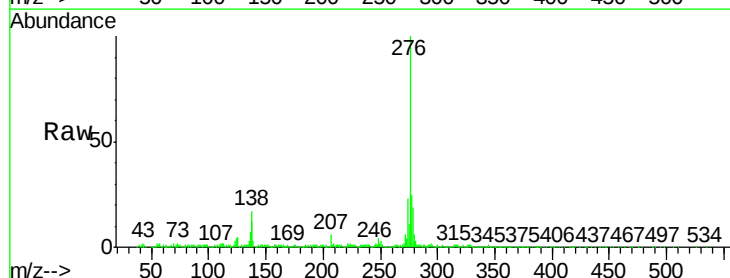
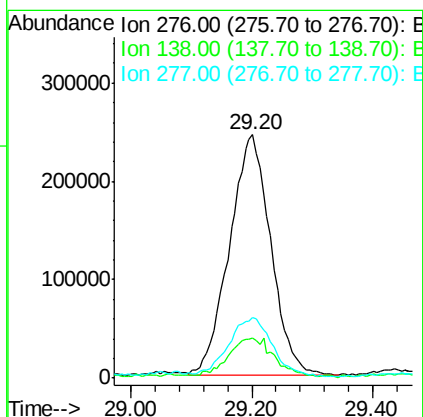
RT: 29.20 min Scan# 4488

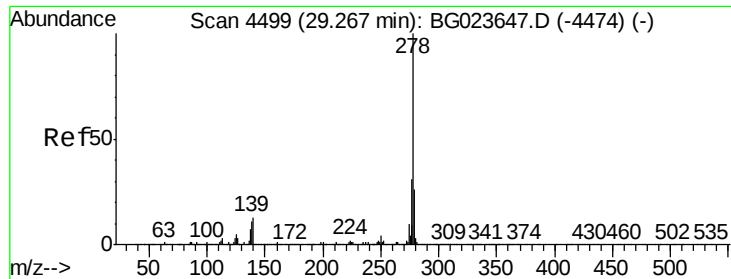
Delta R.T. 0.00 min

Lab File: BG023651.D

Acq: 12 Aug 2016 11:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.7	20.8	31.2#
277	25.0	17.6	26.4





#90

Dibenzo(a,h)anthracene

Concen: 5.47 ng/ul

RT: 29.24 min Scan# 4494

Delta R.T. -0.03 min

Lab File: BG023651.D

Acq: 12 Aug 2016 11:47

Instrument :

BNA_G

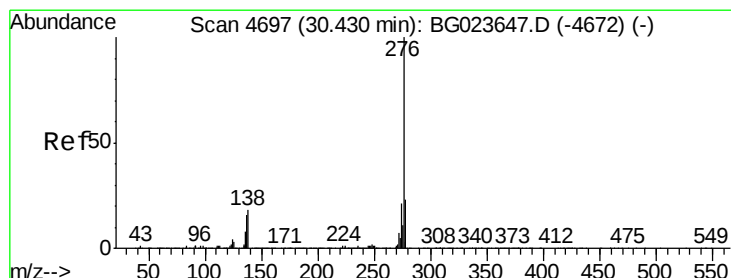
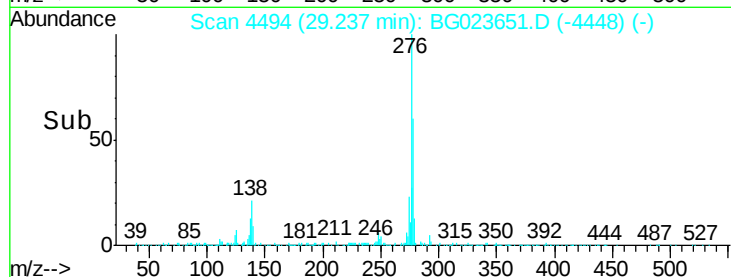
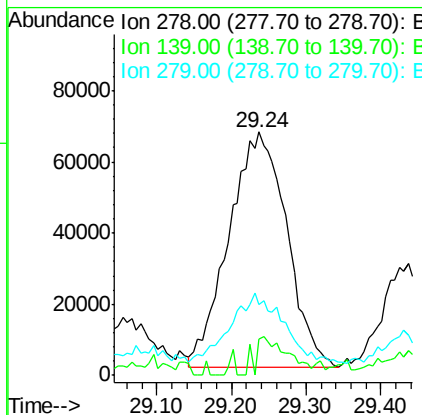
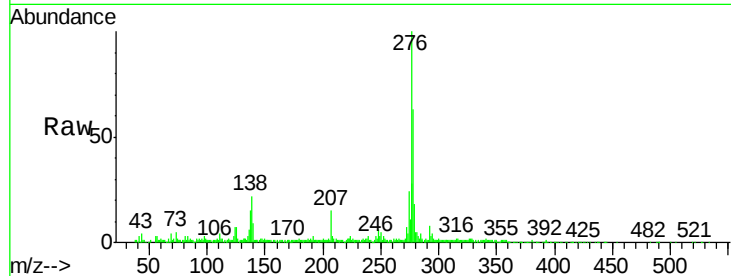
ClientSampleId :

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Tgt Ion:	278	Resp:	355197
Ion Ratio	Lower	Upper	
278	100		
139	15.0	16.3	24.5#
279	29.2	19.1	28.7#

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#91

Benzo(g,h,i)perylene

Concen: 18.79 ng/ul m

RT: 30.42 min Scan# 4696

Delta R.T. -0.01 min

Lab File: BG023651.D

Acq: 12 Aug 2016 11:47

Tgt Ion:	276	Resp:	1184870
Ion Ratio	Lower	Upper	
276	100		
138	17.0	22.1	33.1#
277	25.6	17.0	25.4#

