

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
 Data File : BG023638.D
 Acq On : 12 Aug 2016 1:20
 Operator : UM/SJ
 Sample : H4360-21 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR001-SS004-0612-01

Manual Integrations
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Quant Time: Aug 12 05:50:24 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	169589	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.95	136	760483	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.79	164	508381	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.55	188	1140077	20.00	ng/ul	0.00
75) Chrysene-d12	21.88	240	1153869	20.00	ng/ul	0.00
83) Perylene-d12	25.29	264	1163428	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	2846	0.71	ng/uL	0.00
5) Phenol-d5	7.27	99	64897	3.80	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.43	67	97945	8.95	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.64	132	75384	6.47	ng/ul	-0.02
13) 4-Methylphenol-d8	8.83	113	38671	2.90	ng/ul	-0.01
19) Nitrobenzene-d5	9.29	128	56218	9.38	ng/ul	-0.02
22) 2-Nitrophenol-d4	10.01	143	67373	9.79	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.58	165	97701	7.52	ng/ul	0.00
29) 4-Chloroaniline-d4	11.09	131	73602	4.83	ng/ul	-0.01
43) Dimethylphthalate-d6	14.18	166	404658	9.72	ng/ul	-0.01
46) Acenaphthylene-d8	14.48	160	473529	10.11	ng/ul	0.00
51) 4-Nitrophenol-d4	15.02	143	20483m	2.88	ng/ul	0.02
57) Fluorene-d10	15.78	176	365586	9.51	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.91	200	37919	5.18	ng/ul	0.00
70) Anthracene-d10	17.65	188	538727	10.49	ng/ul	-0.01
76) Pyrene-d10	19.94	212	562368m	9.63	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.05	264	528293	10.03	ng/ul	0.00

Target Compounds

						Qvalue
44) Dimethylphthalate	14.23	163	158575	3.85	ng/ul	96
47) Acenaphthylene	14.52	152	54743	1.12	ng/ul	95
49) Acenaphthene	14.85	153	34470	1.03	ng/ul	98
58) Fluorene	15.84	166	47171	1.14	ng/ul#	91
69) Phenanthrene	17.60	178	906854	15.36	ng/ul	98
71) Anthracene	17.68	178	158282	2.63	ng/ul	95
72) Carbazole	17.96	167	53449	1.10	ng/ul	98
74) Fluoranthene	19.61	202	1158020	19.16	ng/ul#	93
77) Pyrene	19.97	202	1245196	17.46	ng/ul#	93
80) Benzo(a)anthracene	21.85	228	584759	9.00	ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.74	149	4870093m	133.87	ng/ul	
82) Chrysene	21.92	228	640037m	10.83	ng/ul	
84) Di-n-octyl phthalate	23.01	149	86721	1.48	ng/ul	100
85) Benzo(b)fluoranthene	24.20	252	712610m	10.77	ng/ul	
86) Benzo(k)fluoranthene	24.26	252	202508m	3.11	ng/ul	
88) Benzo(a)pyrene	25.12	252	531935	8.33	ng/ul#	92
89) Indeno(1,2,3-cd)pyrene	29.20	276	353359m	4.71	ng/ul	
91) Benzo(g,h,i)perylene	30.41	276	315572	5.07	ng/ul#	86

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

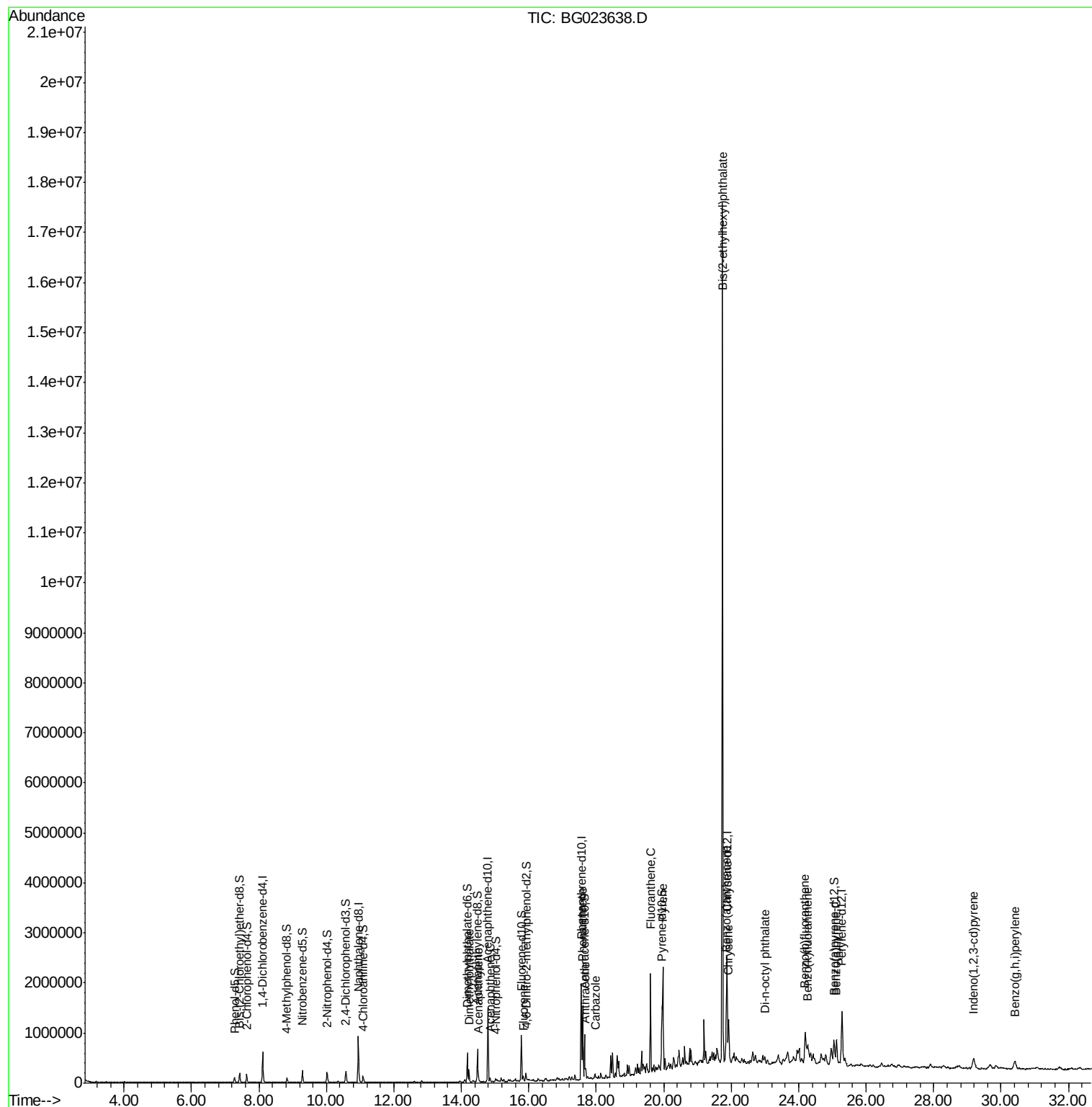
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023638.D
Acq On : 12 Aug 2016 1:20
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ALS Vial : 18 Sample Multiplier: 1

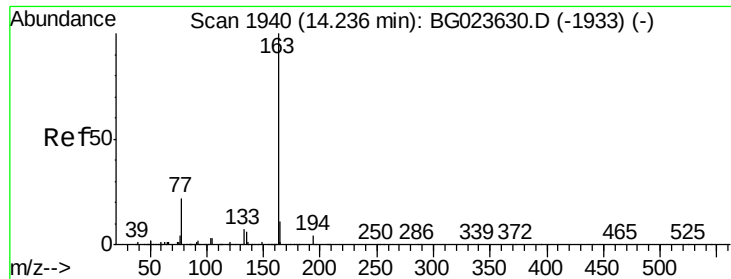
Instrument :
BNA_G
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PR001-SS004-0612-01

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Quant Title : SVOA CALIBRATION
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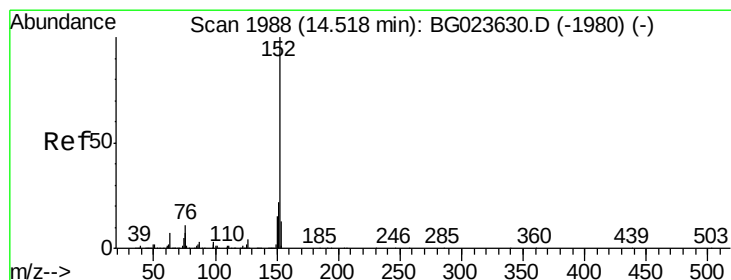
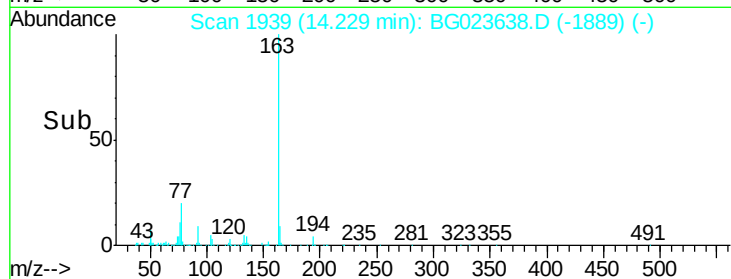
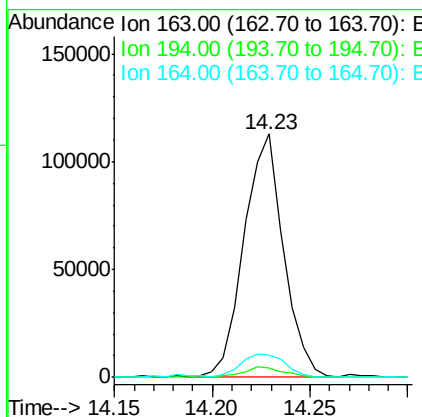
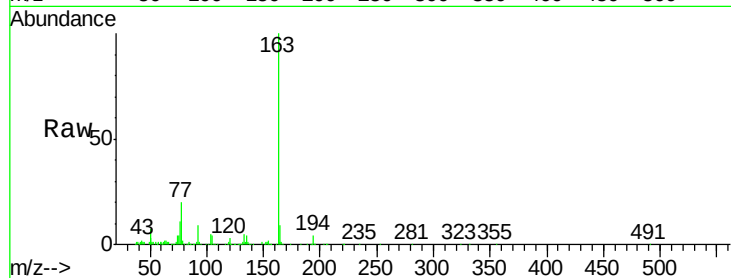
#44
Dimethylphthalate
Concen: 3.85 ng/ul
RT: 14.23 min Scan# 1939
Delta R.T. -0.01 min
Lab File: BG023638.D
Acq: 12 Aug 2016 1:20

Instrument :
BNA_G
ClientSampleId :
PR001-SS004-0612-01

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.8	3.4	5.2
164	8.9	8.8	13.2

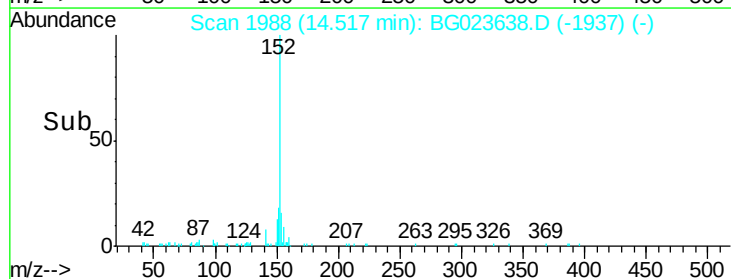
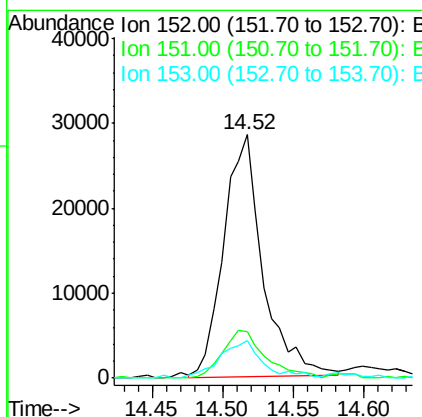
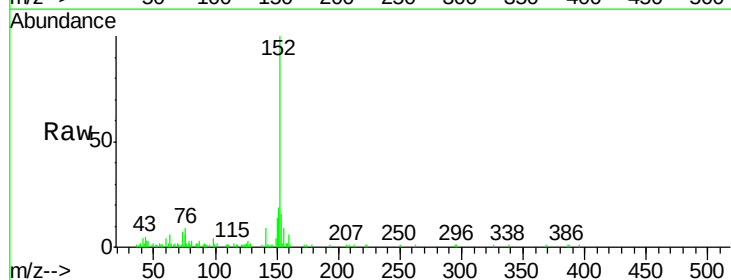
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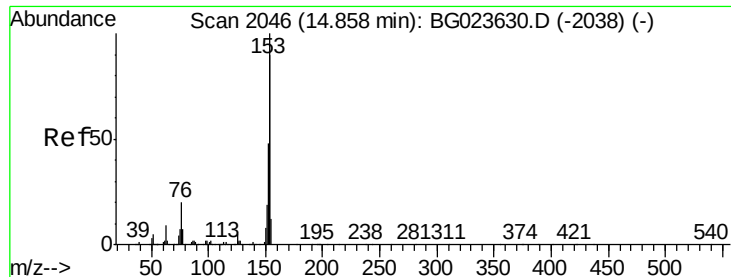
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#47
Acenaphthylene
Concen: 1.12 ng/ul
RT: 14.52 min Scan# 1988
Delta R.T. -0.00 min
Lab File: BG023638.D
Acq: 12 Aug 2016 1:20

Tgt Ion	Ratio	Resp Lower	Resp Upper
152	100		
151	19.0	17.5	26.3
153	15.6	11.1	16.7





#49

Acenaphthene

Concen: 1.03 ng/ul

RT: 14.85 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BG023638.D

Acq: 12 Aug 2016 1:20

Instrument :

BNA_G

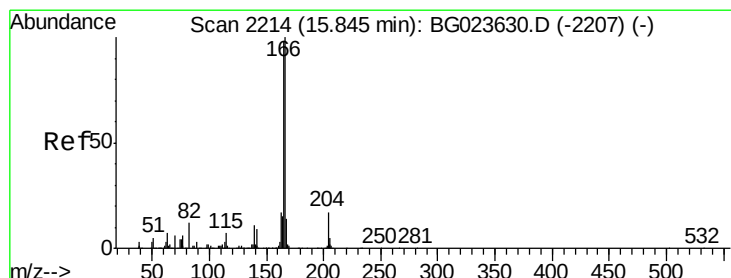
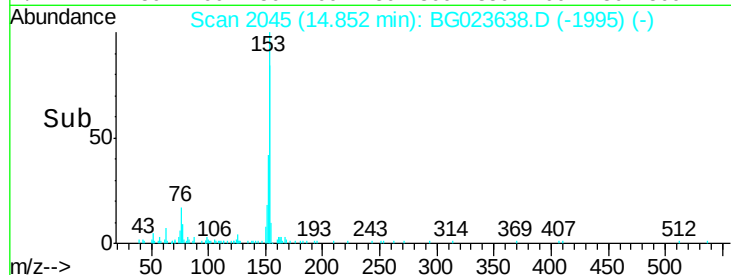
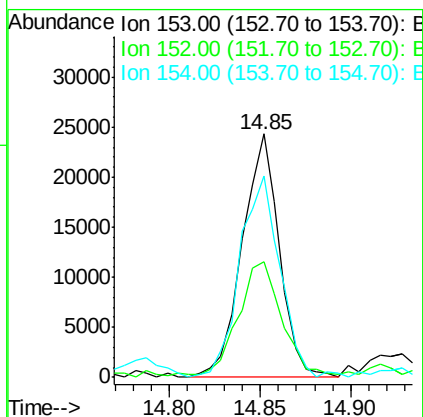
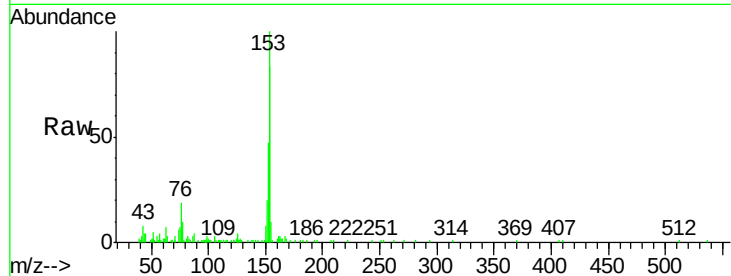
ClientSampleId :

PR001-SS004-0612-01

Tgt Ion:	153	Resp:	34470
Ion Ratio	Lower	Upper	
153	100		
152	47.5	37.3	55.9
154	82.7	68.2	102.2

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#58

Fluorene

Concen: 1.14 ng/ul

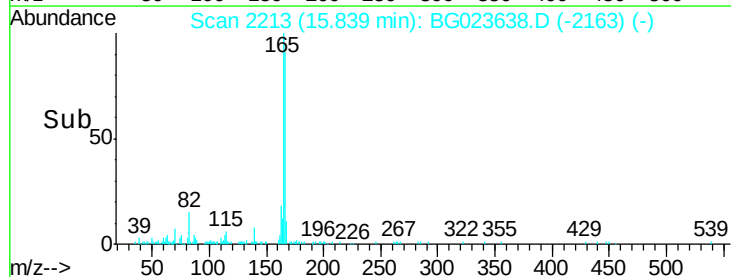
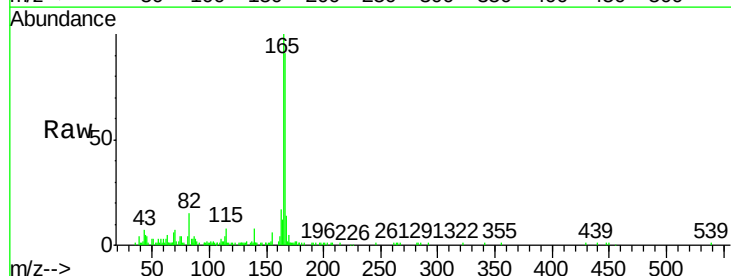
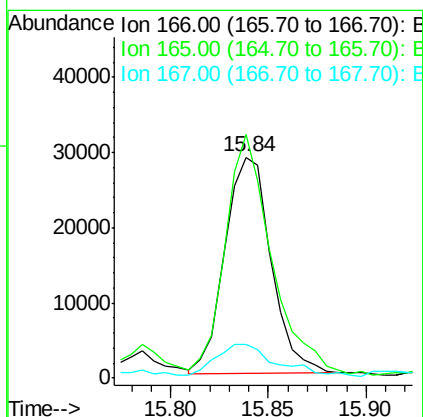
RT: 15.84 min Scan# 2213

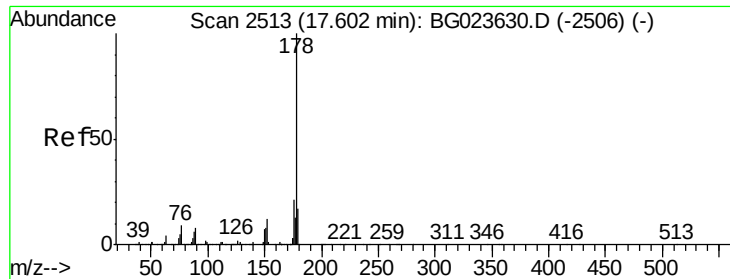
Delta R.T. -0.01 min

Lab File: BG023638.D

Acq: 12 Aug 2016 1:20

Tgt Ion:	166	Resp:	47171
Ion Ratio	Lower	Upper	
166	100		
165	110.2	80.3	120.5
167	15.5	10.3	15.5#





#69

Phenanthrene

Concen: 15.36 ng/ul

RT: 17.60 min Scan# 2512

Delta R.T. -0.01 min

Lab File: BG023638.D

Acq: 12 Aug 2016 1:20

Instrument :

BNA_G

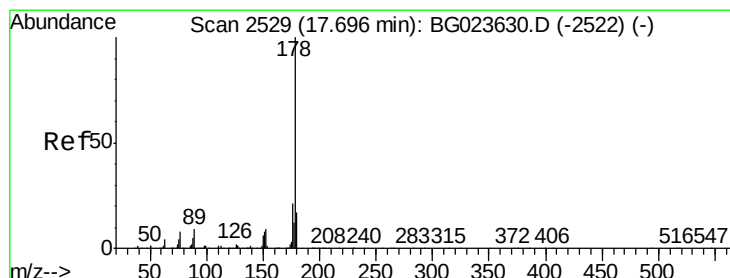
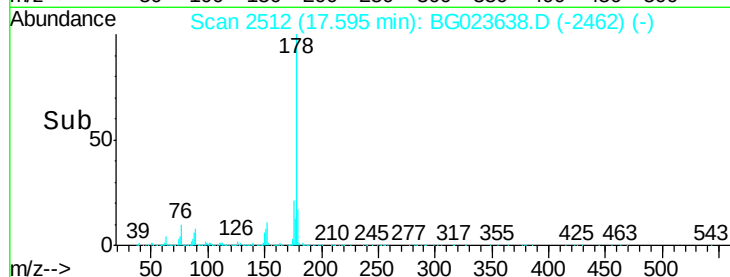
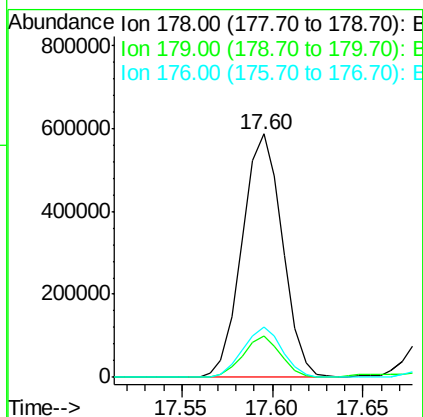
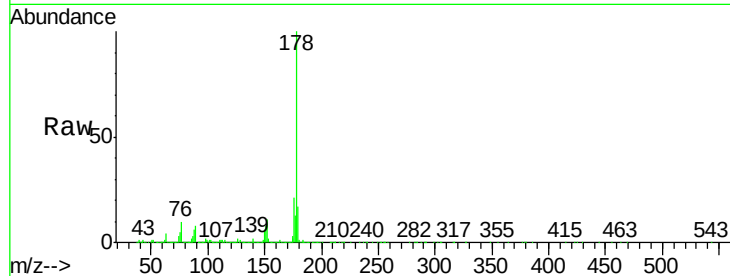
ClientSampleId :

PR001-SS004-0612-01

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	906854		
179	16.9	12.9	19.3	
176	20.7	15.8	23.8	

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#71

Anthracene

Concen: 2.63 ng/ul

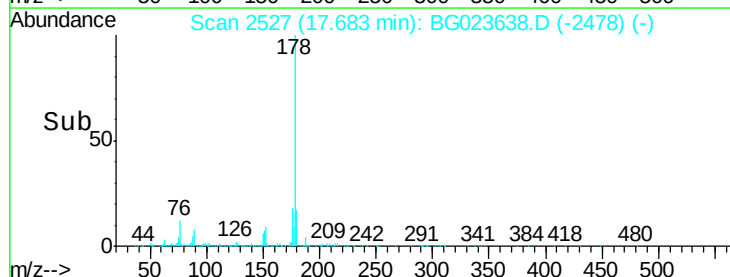
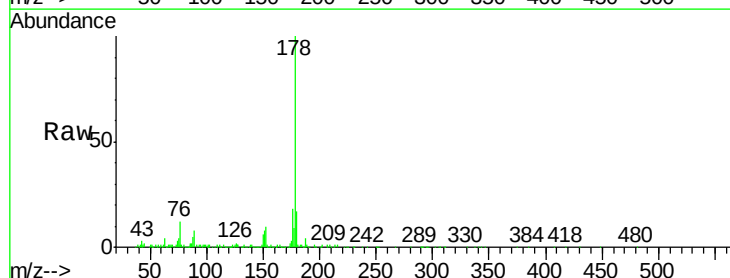
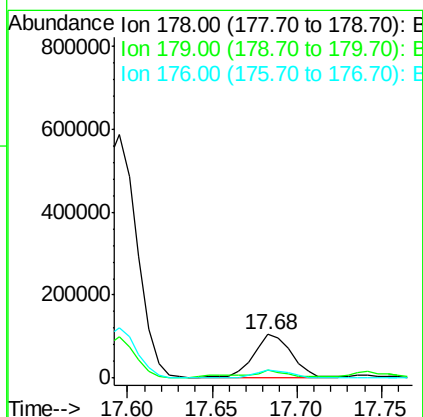
RT: 17.68 min Scan# 2527

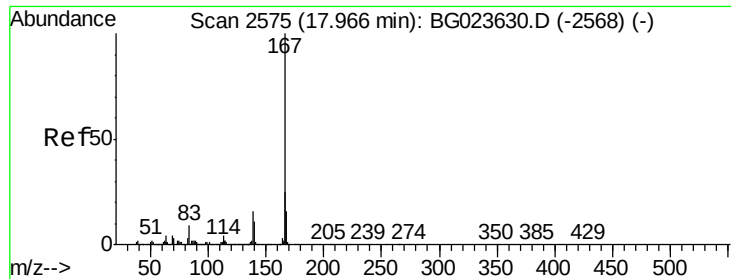
Delta R.T. -0.01 min

Lab File: BG023638.D

Acq: 12 Aug 2016 1:20

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	158282		
179	17.4	12.3	18.5	
176	17.9	16.3	24.5	





#72

Carbazole

Concen: 1.10 ng/ul

RT: 17.96 min Scan# 2574

Delta R.T. -0.01 min

Lab File: BG023638.D

Acq: 12 Aug 2016 1:20

Instrument :

BNA_G

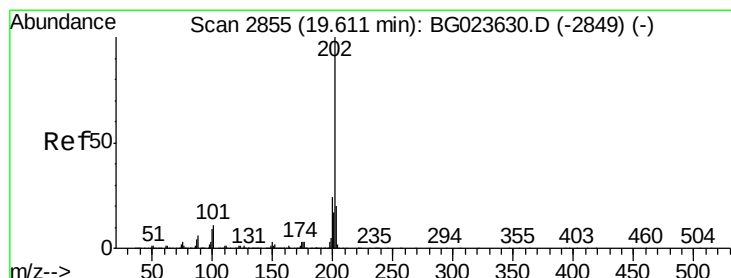
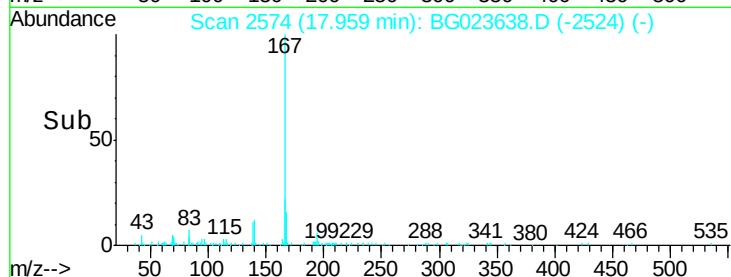
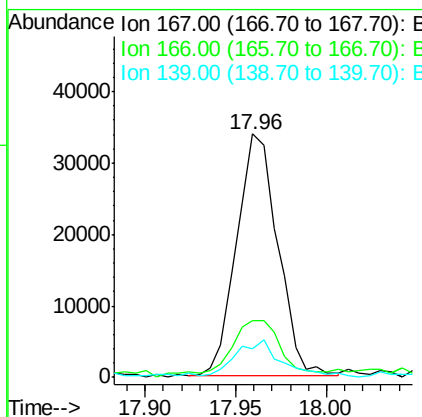
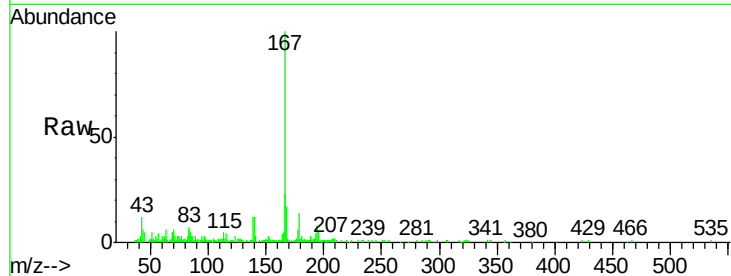
ClientSampleId :

PR001-SS004-0612-01

Tgt Ion:	167	Resp:	53449
Ion Ratio	Lower	Upper	
167	100		
166	23.4	19.2	28.8
139	11.9	10.2	15.4

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#74

Fluoranthene

Concen: 19.16 ng/ul

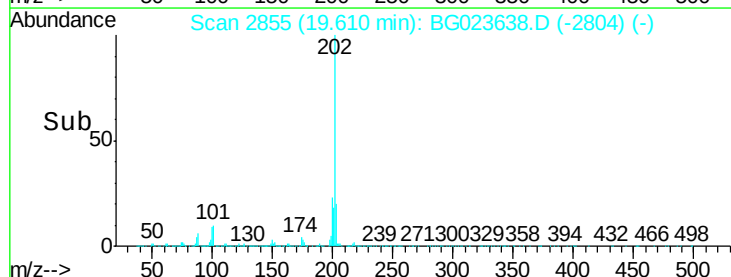
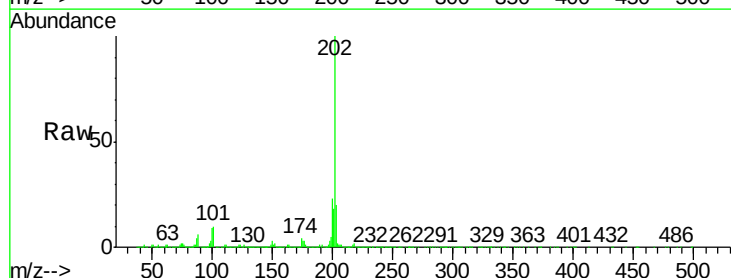
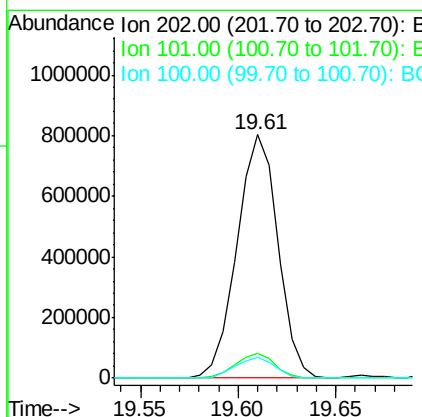
RT: 19.61 min Scan# 2855

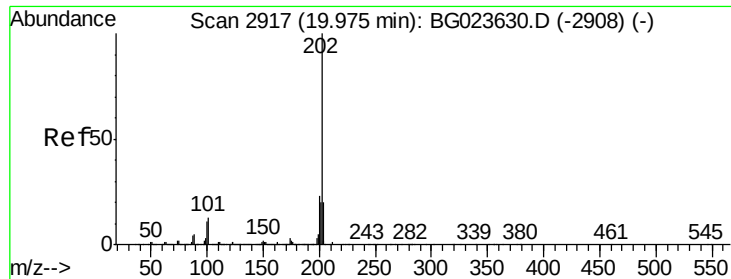
Delta R.T. -0.00 min

Lab File: BG023638.D

Acq: 12 Aug 2016 1:20

Tgt Ion:	202	Resp:	1158020
Ion Ratio	Lower	Upper	
202	100		
101	10.2	10.6	16.0#
100	8.6	8.7	13.1#





#77

Pyrene

Concen: 17.46 ng/ul

RT: 19.97 min Scan# 2917

Delta R.T. -0.00 min

Lab File: BG023638.D

Acq: 12 Aug 2016 1:20

Instrument :

BNA_G

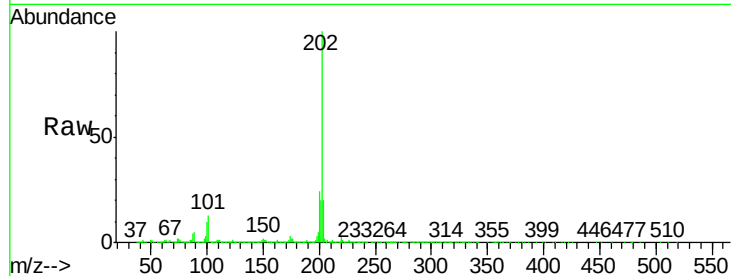
ClientSampleId :

PR001-SS004-0612-01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	12.5	18.7
100	10.0	10.2	15.4

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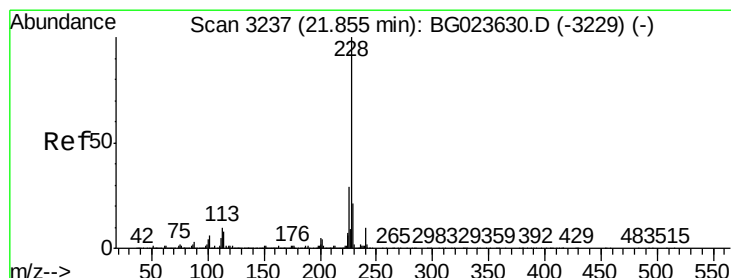
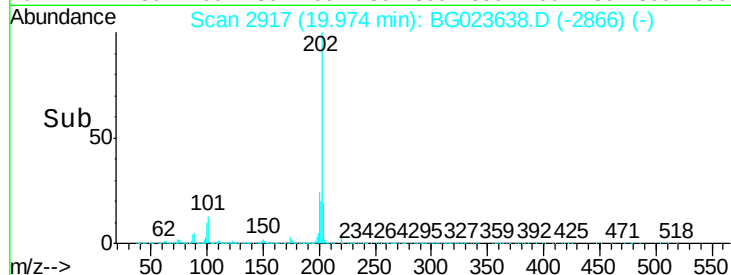
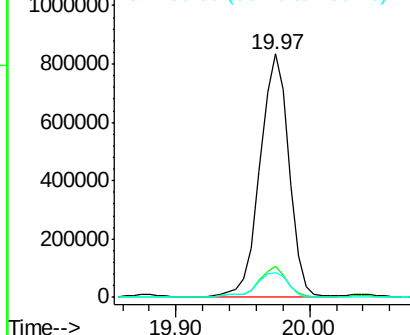
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 9.00 ng/ul

RT: 21.85 min Scan# 3237

Delta R.T. -0.00 min

Lab File: BG023638.D

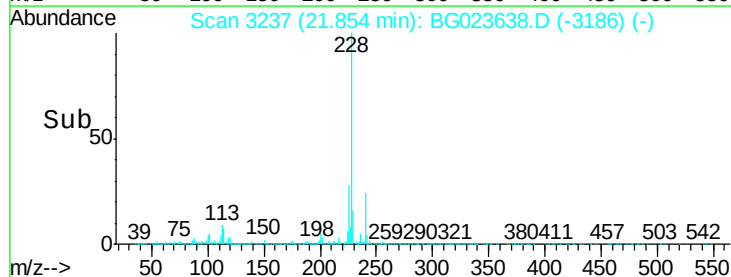
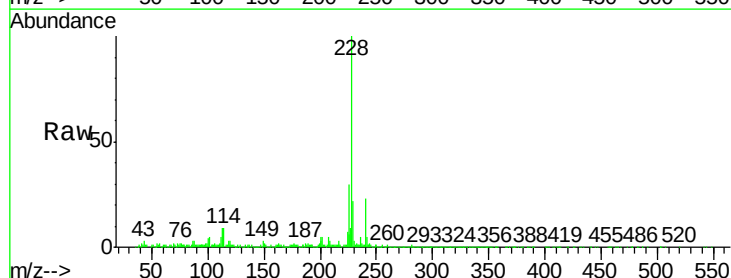
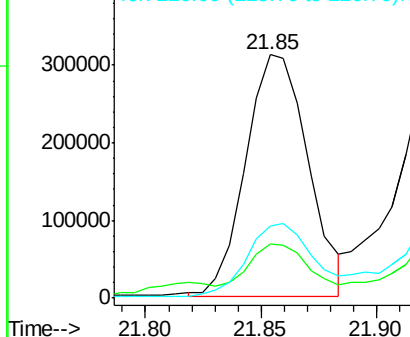
Acq: 12 Aug 2016 1:20

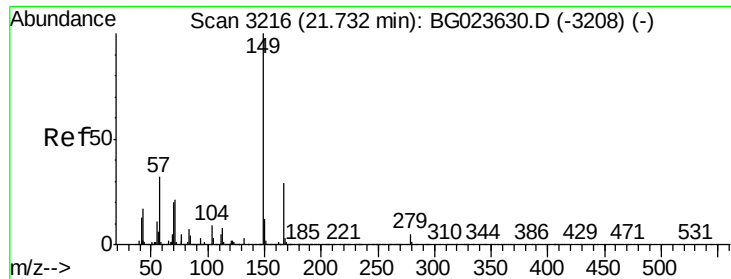
Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.1	15.4	23.2
226	29.8	22.8	34.2

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





#81

Bis(2-ethylhexyl)phthalate

Concen: 133.87 ng/ul m

RT: 21.74 min Scan# 3218

Delta R.T. 0.01 min

Lab File: BG023638.D

Acq: 12 Aug 2016 1:20

Instrument :

BNA_G

ClientSampleId :

PR001-SS004-0612-01

Tgt Ion:149 Resp: 4870093

Ion Ratio Lower Upper

149 100

167 59.7 21.9 32.9#

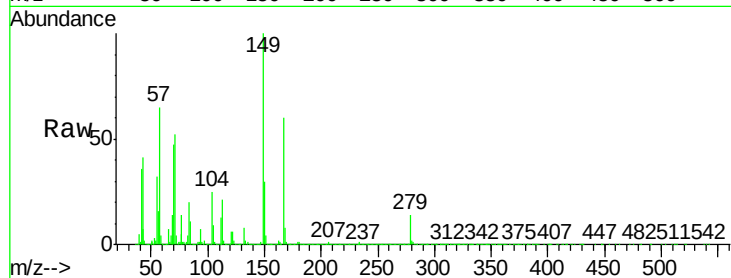
279 14.3 2.9 4.3#

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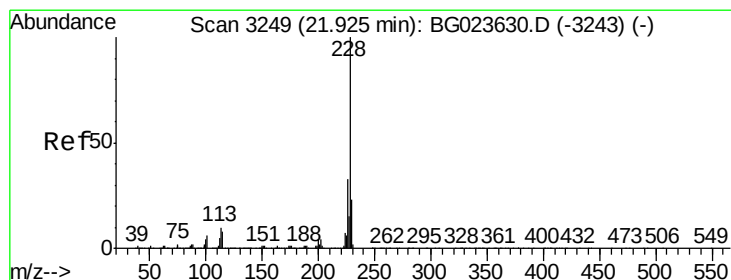
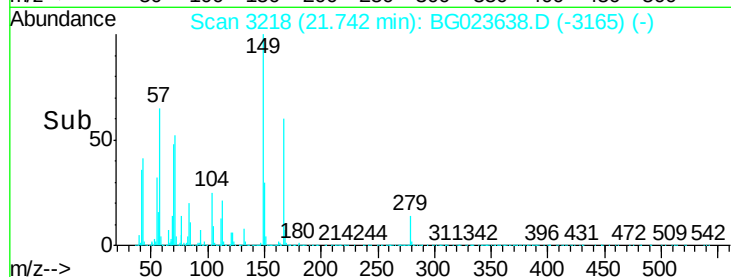
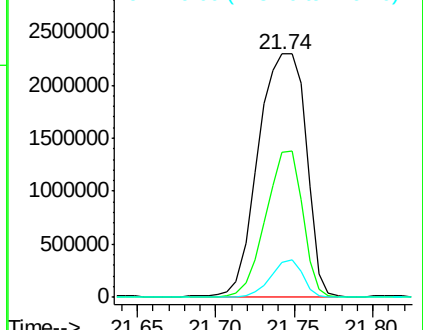
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#82

Chrysene

Concen: 10.83 ng/ul m

RT: 21.92 min Scan# 3249

Delta R.T. -0.00 min

Lab File: BG023638.D

Acq: 12 Aug 2016 1:20

Tgt Ion:228 Resp: 640037

Ion Ratio Lower Upper

228 100

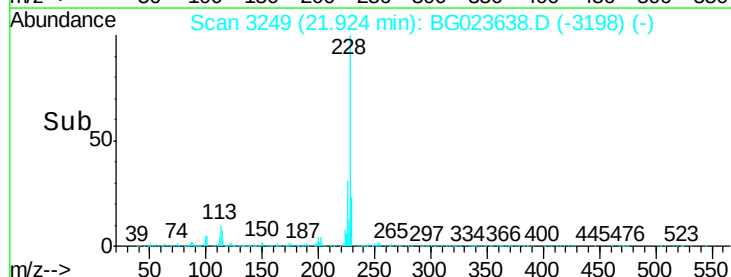
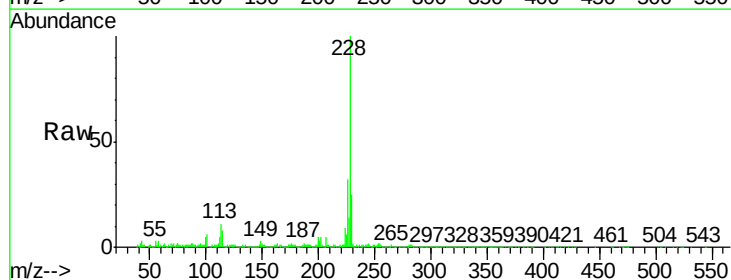
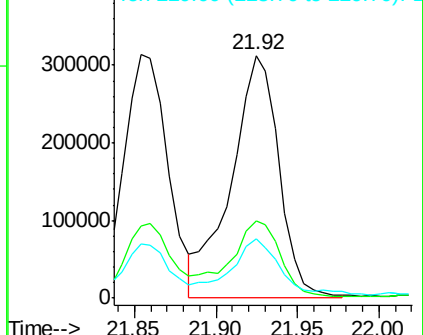
226 31.6 24.2 36.4

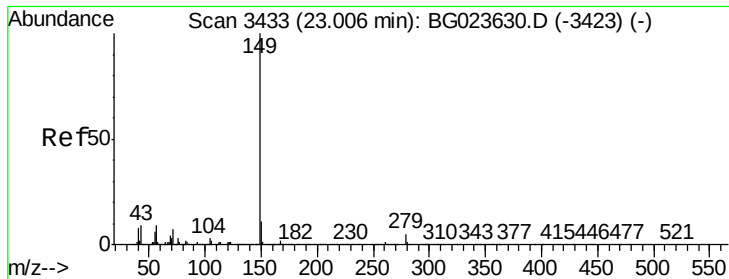
229 24.5 15.0 22.6#

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





#84

Di-n-octyl phthalate

Concen: 1.48 ng/ul

RT: 23.01 min Scan# 3434

Delta R.T. 0.00 min

Lab File: BG023638.D

Acq: 12 Aug 2016 1:20

Instrument :

BNA_G

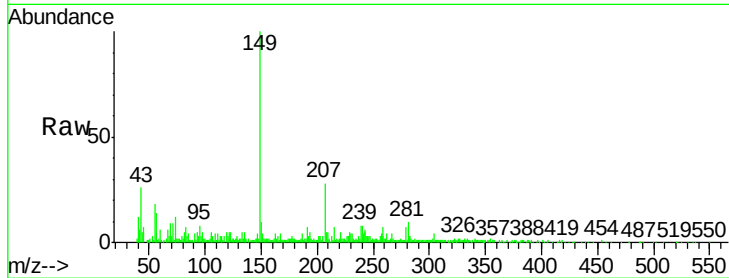
ClientSampleId :

PR001-SS004-0612-01

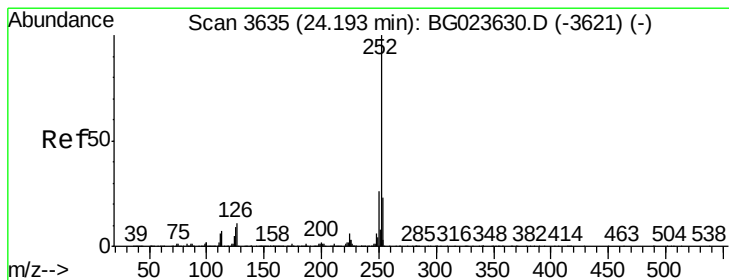
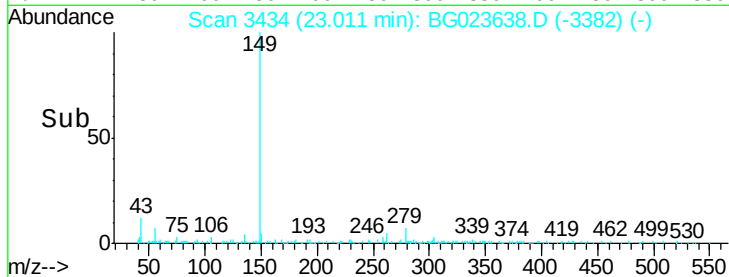
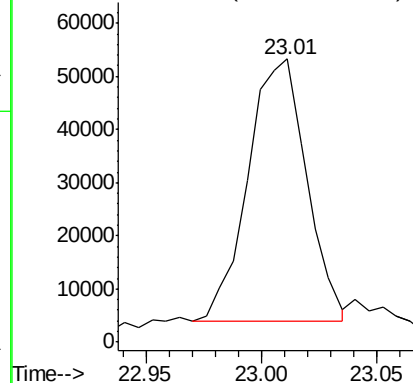
Tgt Ion:149 Resp: 86721

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Abundance Ion 149.00 (148.70 to 149.70): E



#85

Benzo(b)fluoranthene

Concen: 10.77 ng/ul m

RT: 24.20 min Scan# 3636

Delta R.T. 0.01 min

Lab File: BG023638.D

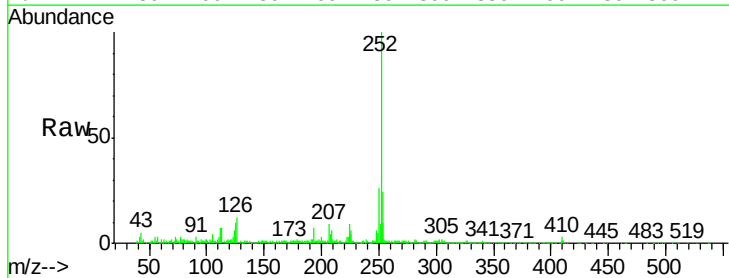
Acq: 12 Aug 2016 1:20

Tgt Ion:252 Resp: 712610

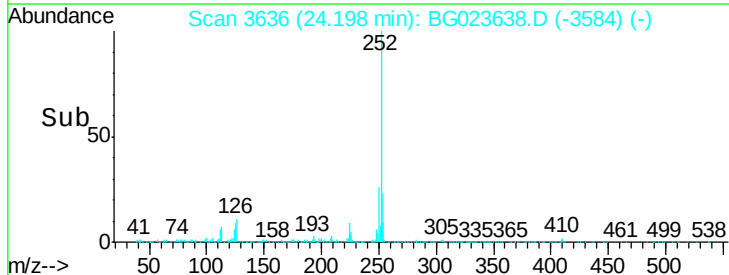
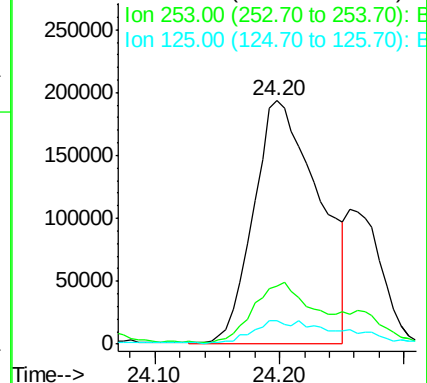
Ion	Ratio	Lower	Upper
252	100		

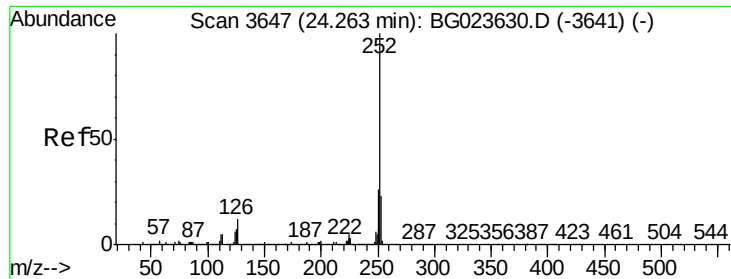
253	23.8	18.2	27.2
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125	9.7	10.8	16.2
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Abundance Ion 252.00 (251.70 to 252.70): E





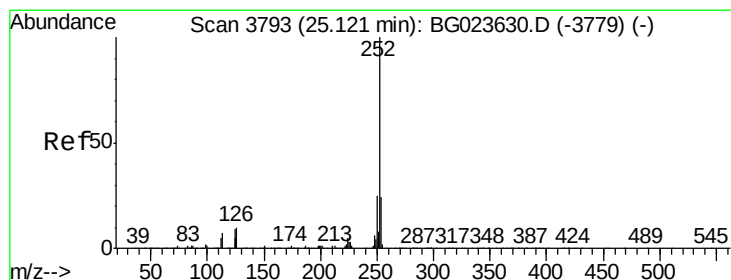
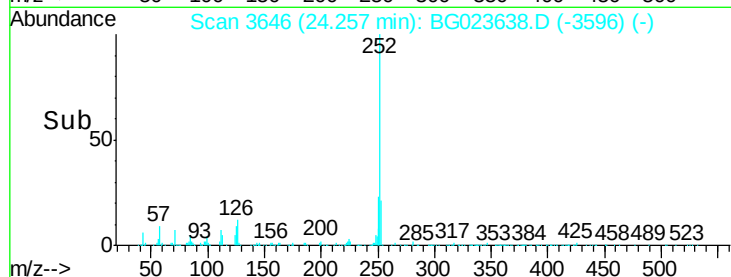
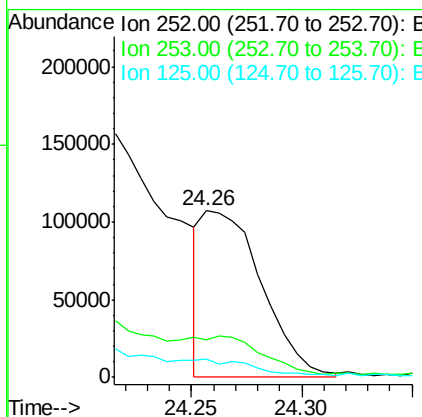
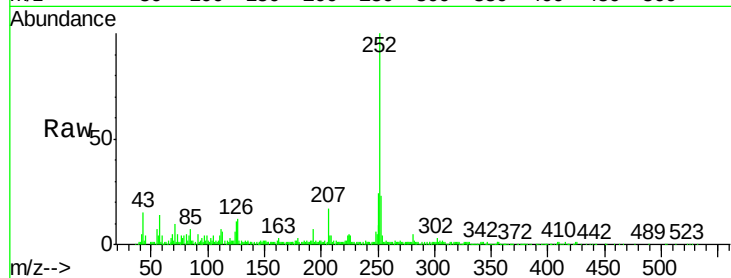
#86
Benzo(k)fluoranthene
Concen: 3.11 ng/ul m
RT: 24.26 min Scan# 3646
Delta R.T. -0.01 min
Lab File: BG023638.D
Acq: 12 Aug 2016 1:20

Instrument :
BNA_G
ClientSampleId :
PR001-SS004-0612-01

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.5	15.8	23.6
125	10.6	10.6	16.0

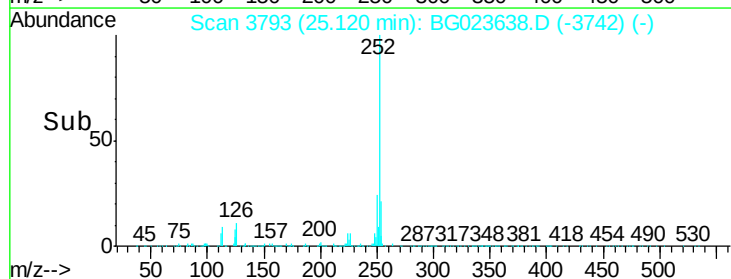
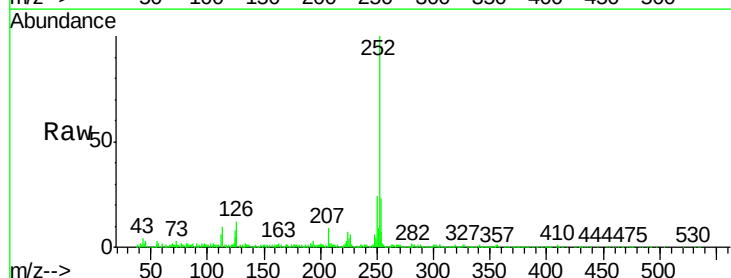
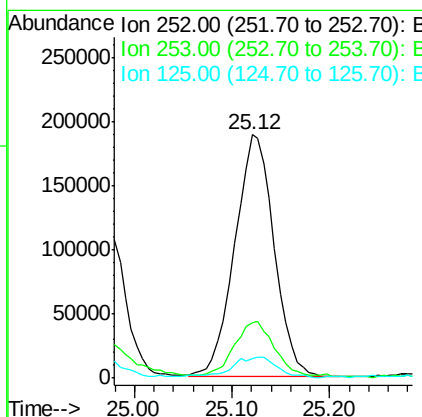
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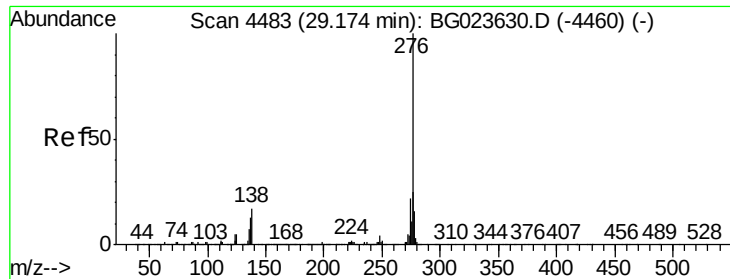
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#88
Benzo(a)pyrene
Concen: 8.33 ng/ul
RT: 25.12 min Scan# 3793
Delta R.T. -0.00 min
Lab File: BG023638.D
Acq: 12 Aug 2016 1:20

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.8	19.0	28.4
125	8.1	12.0	18.0





#89

Indeno(1,2,3-cd)pyrene

Concen: 4.71 ng/ul m

RT: 29.20 min Scan# 4487

Delta R.T. 0.02 min

Lab File: BG023638.D

Acq: 12 Aug 2016 1:20

Instrument :

BNA_G

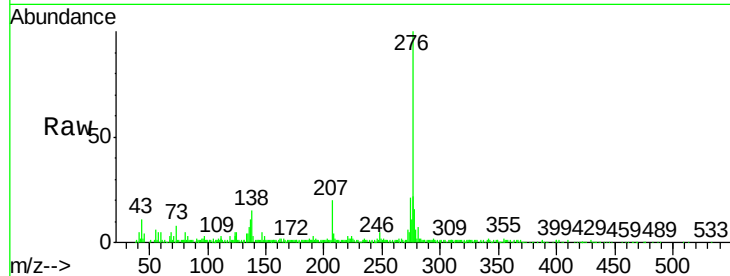
ClientSampleId :

PR001-SS004-0612-01

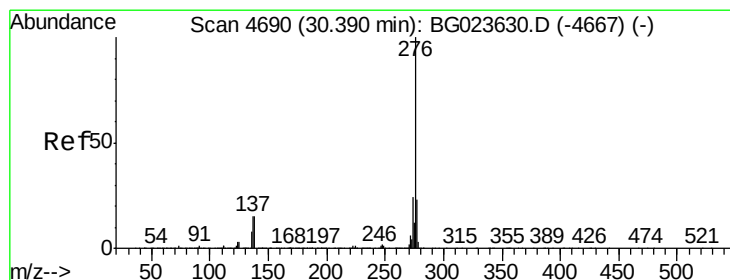
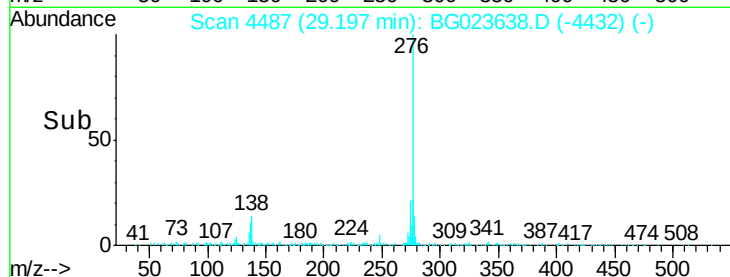
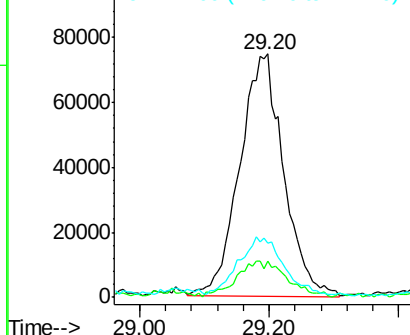
Tgt Ion:	276	Resp:	353359
Ion Ratio	Lower	Upper	
276	100		
138	15.0	20.8	31.2#
277	22.4	17.6	26.4

Manual Integrations
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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



#91

Benzo(g,h,i)perylene

Concen: 5.07 ng/ul

RT: 30.41 min Scan# 4694

Delta R.T. 0.02 min

Lab File: BG023638.D

Acq: 12 Aug 2016 1:20

Tgt Ion:	276	Resp:	315572
Ion Ratio	Lower	Upper	
276	100		
138	17.2	22.1	33.1#
277	24.2	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

