

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
 Data File : BG023625.D
 Acq On : 11 Aug 2016 14:00
 Operator : UM/SJ
 Sample : H4362-02 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR001-SS004-3642-01

Manual Integrations
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Quant Time: Aug 12 04:03:46 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 12 03:45:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	212550	20.00	ng/ul	0.00
18) Naphthalene-d8	10.95	136	984672	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	634722	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.55	188	1106580	20.00	ng/ul	0.00
75) Chrysene-d12	21.88	240	1084522	20.00	ng/ul	0.00
83) Perylene-d12	25.29	264	1100773	20.00	ng/ul	0.02

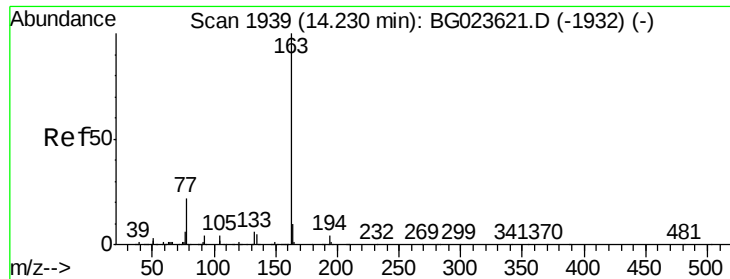
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.49	96	3238	0.65	ng/uL	0.00
5) Phenol-d5	7.27	99	138124	6.45	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.43	67	123215	8.98	ng/ul	0.00
9) 2-Chlorophenol-d4	7.64	132	123185	8.43	ng/ul	0.00
13) 4-Methylphenol-d8	8.83	113	74406	4.45	ng/ul	0.00
19) Nitrobenzene-d5	9.29	128	71287	9.18	ng/ul	0.00
22) 2-Nitrophenol-d4	10.02	143	90164	10.11	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.57	165	148985	8.86	ng/ul	0.00
29) 4-Chloroaniline-d4	11.09	131	103870	5.27	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	489591	9.42	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	579399	9.91	ng/ul	0.00
51) 4-Nitrophenol-d4	15.02	143	28607m	3.22	ng/ul	0.02
57) Fluorene-d10	15.78	176	414301	8.63	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.92	200	12507	1.76	ng/ul	0.00
70) Anthracene-d10	17.65	188	513521	10.30	ng/ul	0.00
76) Pyrene-d10	19.94	212	492787	8.98	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.05	264	491001	9.85	ng/ul	0.00

Target Compounds

						Qvalue
44) Dimethylphthalate	14.23	163	270687	5.26	ng/ul	99
47) Acenaphthylene	14.51	152	101271	1.66	ng/ul	100
49) Acenaphthene	14.85	153	43699	1.05	ng/ul	95
53) Dibenzofuran	15.19	168	91924	1.49	ng/ul	89
69) Phenanthrene	17.59	178	1722446	30.06	ng/ul	95
71) Anthracene	17.69	178	378551	6.47	ng/ul	97
72) Carbazole	17.96	167	103905	2.21	ng/ul	99
73) Di-n-butylphthalate	18.50	149	83981	1.42	ng/ul#	90
74) Fluoranthene	19.61	202	2248638	38.33	ng/ul	98
77) Pyrene	19.97	202	2328057	34.72	ng/ul	98
80) Benzo(a)anthracene	21.86	228	1352478	22.14	ng/ul#	91
81) Bis(2-ethylhexyl)phthalate	21.76	149	8902507	260.36	ng/ul#	1
82) Chrysene	21.93	228	1362408	24.53	ng/ul#	92
84) Di-n-octyl phthalate	23.00	149	1055950	18.99	ng/ul	100
85) Benzo(b)fluoranthene	24.20	252	1404973m	22.44	ng/ul	
86) Benzo(k)fluoranthene	24.26	252	565448m	9.17	ng/ul	
88) Benzo(a)pyrene	25.13	252	1134768m	18.77	ng/ul	
89) Indeno(1,2,3-cd)pyrene	29.18	276	753921	10.61	ng/ul#	87
90) Dibenzo(a,h)anthracene	29.23	278	226439m	3.74	ng/ul	
91) Benzo(g,h,i)perylene	30.41	276	731720	12.42	ng/ul#	88

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



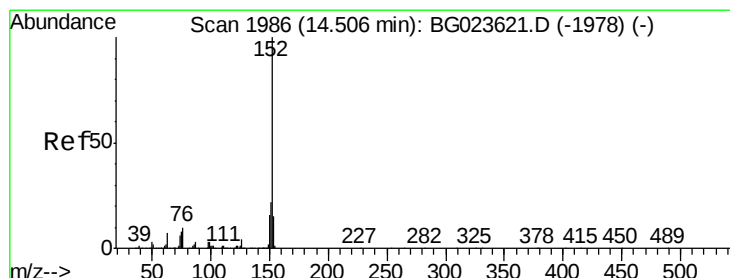
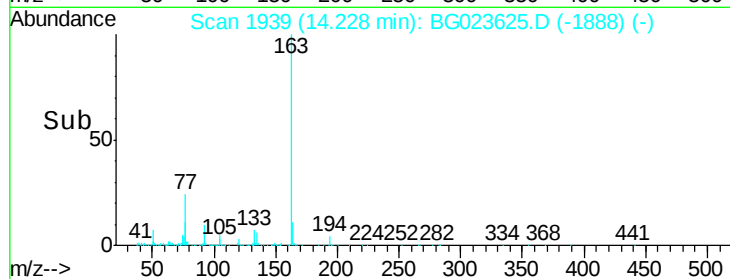
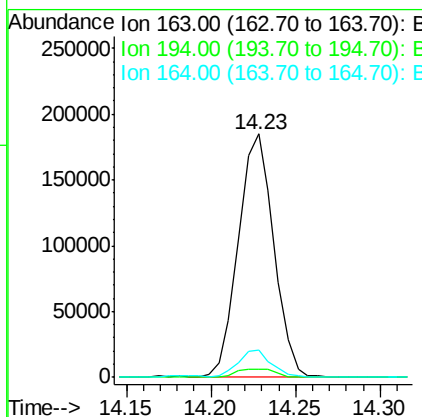
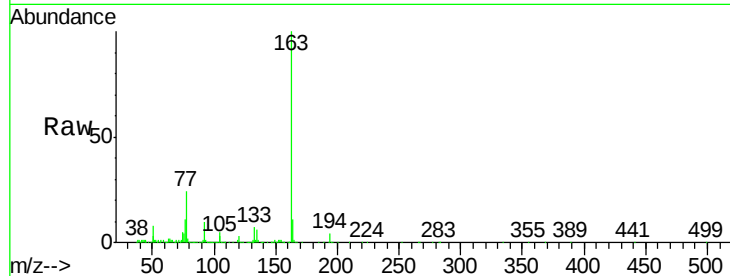
#44
Dimethylphthalate
Concen: 5.26 ng/ul
RT: 14.23 min Scan# 1939
Delta R.T. -0.00 min
Lab File: BG023625.D
Acq: 11 Aug 2016 14:00

Instrument :
BNA_G
ClientSampleId :
PR001-SS004-3642-01

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	270687		
194	3.5		3.4	5.2
164	11.2		8.8	13.2

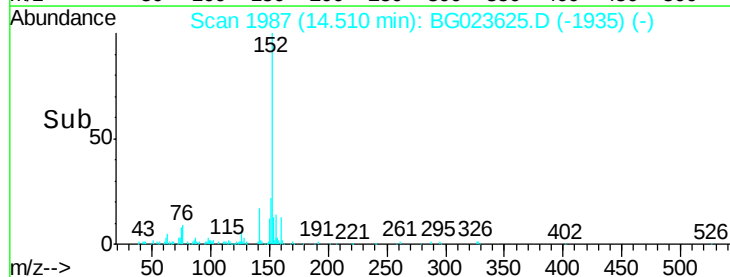
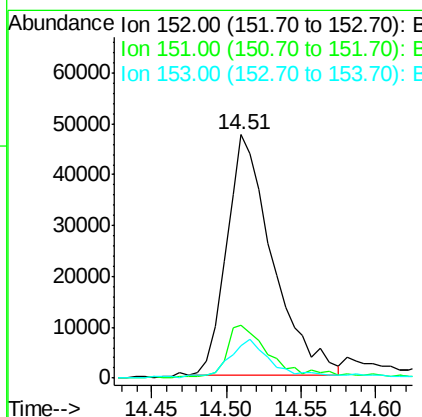
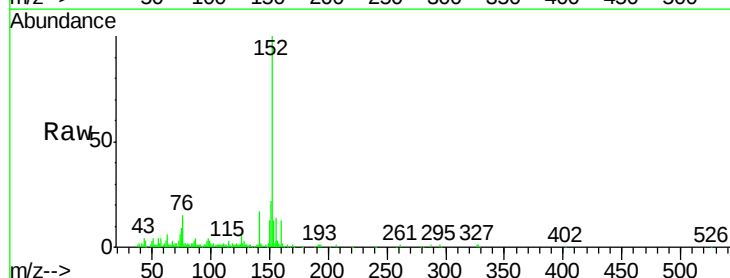
Manual Integrations
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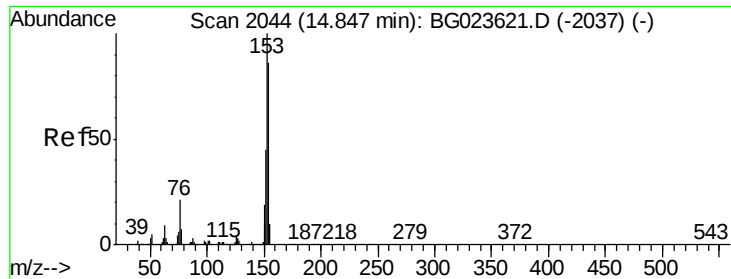
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#47
Acenaphthylene
Concen: 1.66 ng/ul
RT: 14.51 min Scan# 1987
Delta R.T. 0.00 min
Lab File: BG023625.D
Acq: 11 Aug 2016 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	101271		
151	21.9		17.5	26.3
153	13.5		11.1	16.7





#49

Acenaphthene

Concen: 1.05 ng/u1

RT: 14.85 min Scan# 2045

Delta R.T. 0.00 min

Lab File: BG023625.D

Acq: 11 Aug 2016 14:00

Instrument :

BNA_G

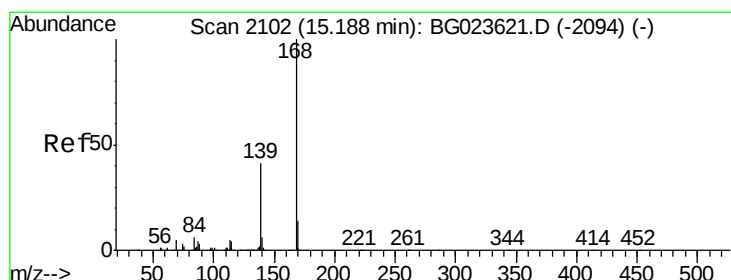
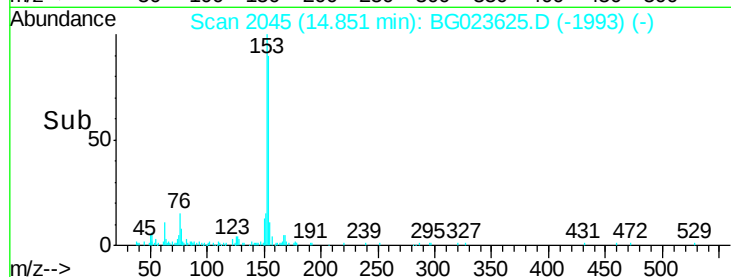
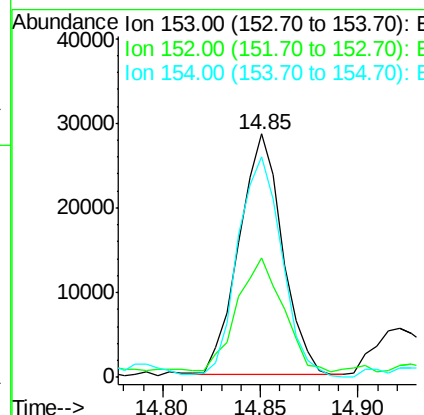
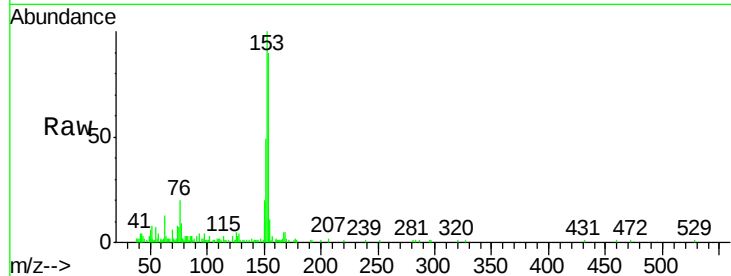
ClientSampleId :

PR001-SS004-3642-01

Tgt Ion:	153	Resp:	43699
Ion Ratio	Lower	Upper	
153	100		
152	48.8	37.3	55.9
154	90.4	68.2	102.2

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#53

Dibenzofuran

Concen: 1.49 ng/u1

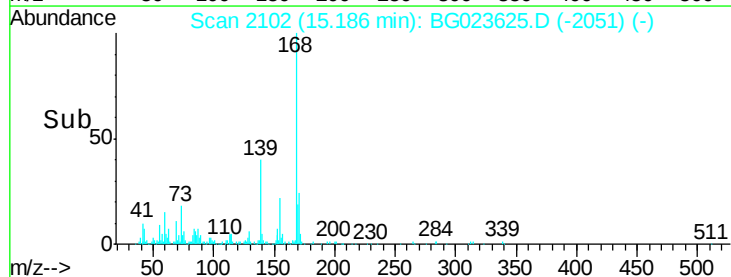
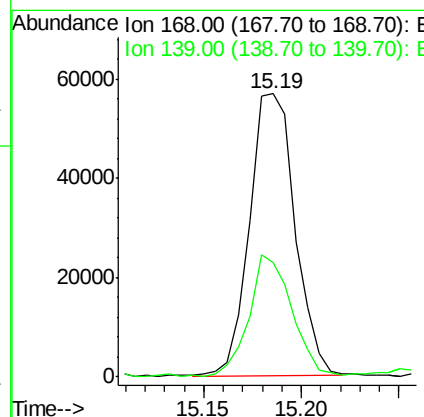
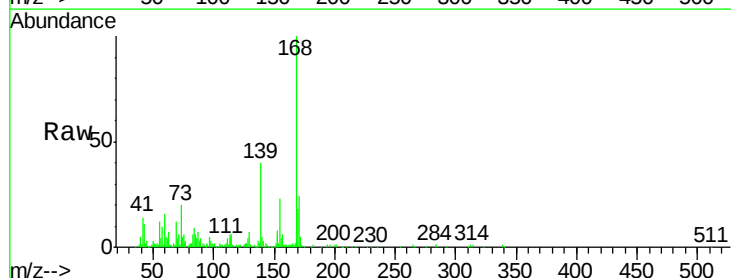
RT: 15.19 min Scan# 2102

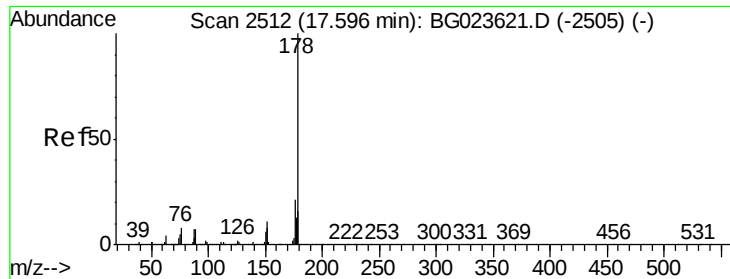
Delta R.T. -0.00 min

Lab File: BG023625.D

Acq: 11 Aug 2016 14:00

Tgt Ion:	168	Resp:	91924
Ion Ratio	Lower	Upper	
168	100		
139	40.5	27.4	41.0





#69

Phenanthrene

Concen: 30.06 ng/ul

RT: 17.59 min Scan# 2512

Delta R.T. -0.00 min

Lab File: BG023625.D

Acq: 11 Aug 2016 14:00

Instrument :

BNA_G

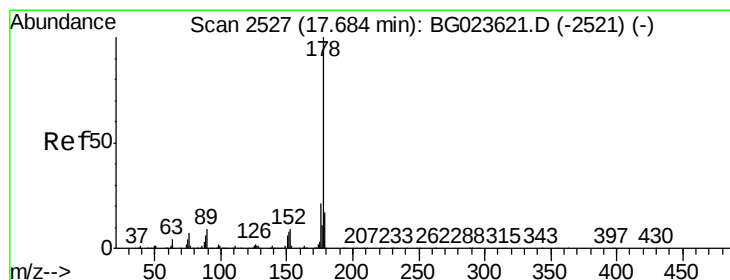
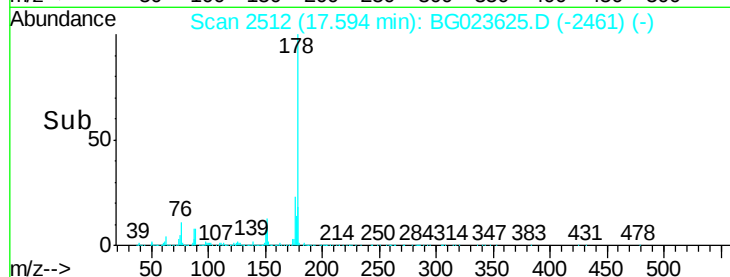
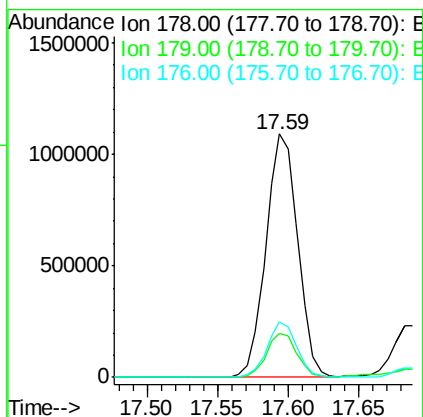
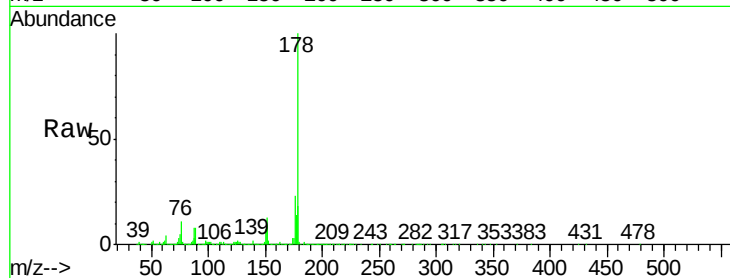
ClientSampleId :

PR001-SS004-3642-01

Tgt Ion:	178	Resp:	1722446
Ion	Ratio	Lower	Upper
178	100		
179	18.0	12.9	19.3
176	22.7	15.8	23.8

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#71

Anthracene

Concen: 6.47 ng/ul

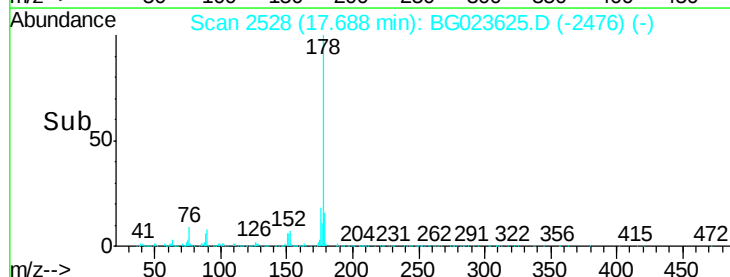
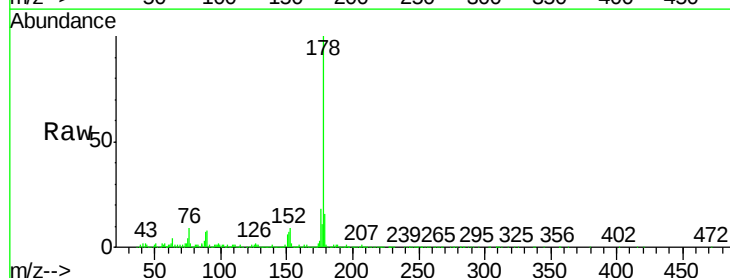
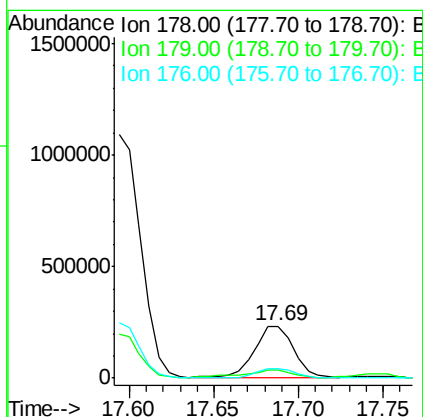
RT: 17.69 min Scan# 2528

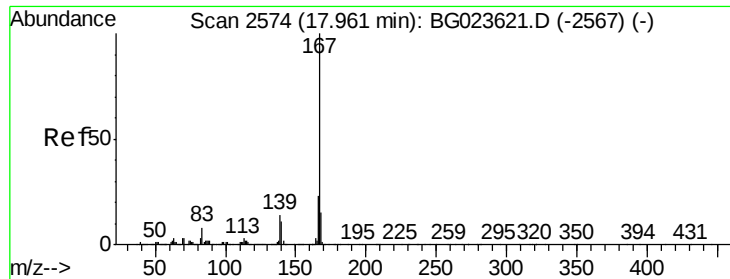
Delta R.T. 0.00 min

Lab File: BG023625.D

Acq: 11 Aug 2016 14:00

Tgt Ion:	178	Resp:	378551
Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.3	18.5
176	18.4	16.3	24.5





#72

Carbazole

Concen: 2.21 ng/ul

RT: 17.96 min Scan# 2575

Delta R.T. 0.00 min

Lab File: BG023625.D

Acq: 11 Aug 2016 14:00

Instrument :

BNA_G

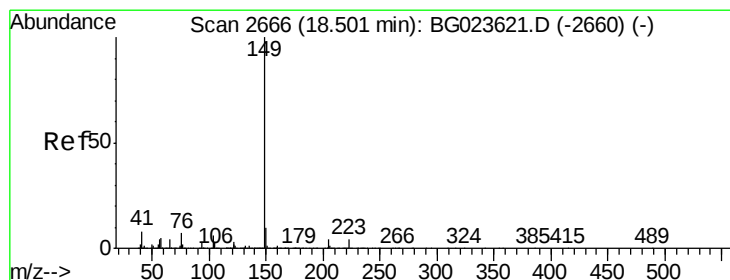
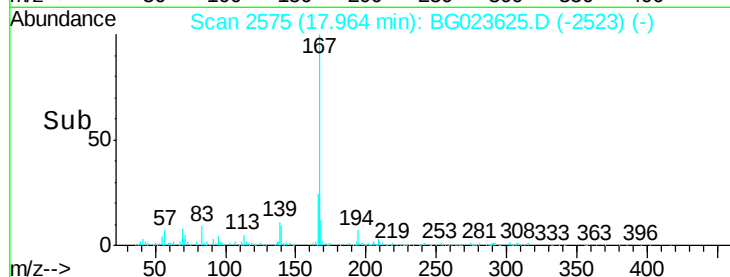
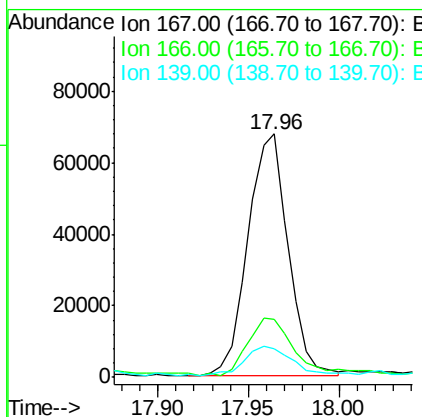
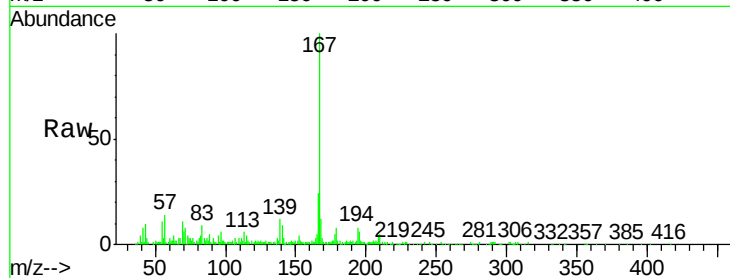
ClientSampleId :

PR001-SS004-3642-01

Tgt Ion:	167	Resp:	103905
Ion Ratio		Lower	Upper
167	100		
166	24.1	19.2	28.8
139	12.0	10.2	15.4

Manual Integrations
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#73

Di-n-butylphthalate

Concen: 1.42 ng/ul

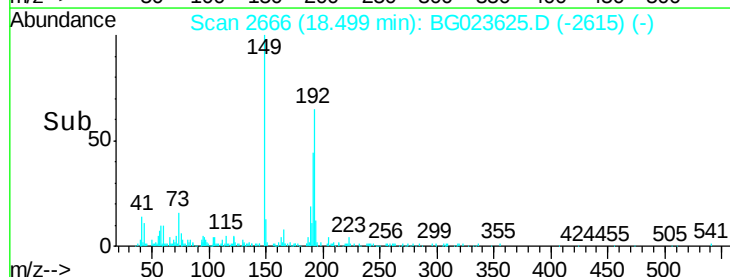
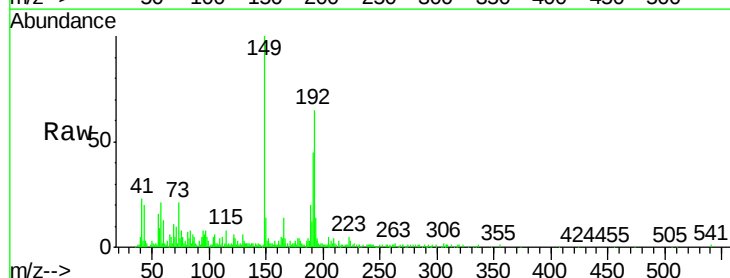
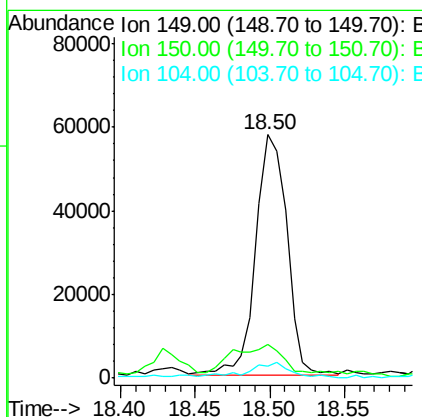
RT: 18.50 min Scan# 2666

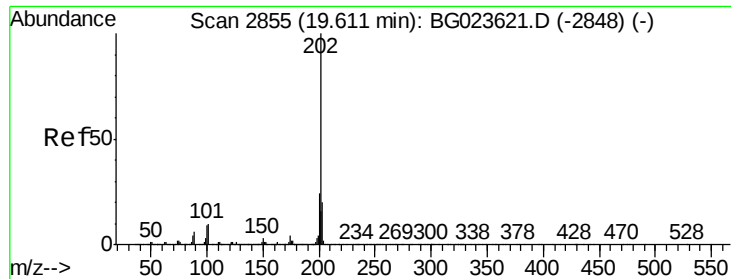
Delta R.T. -0.00 min

Lab File: BG023625.D

Acq: 11 Aug 2016 14:00

Tgt Ion:	149	Resp:	83981
Ion Ratio		Lower	Upper
149	100		
150	13.9	7.1	10.7#
104	4.8	3.3	4.9





#74

Fluoranthene

Concen: 38.33 ng/ul

RT: 19.61 min Scan# 2855

Delta R.T. -0.00 min

Lab File: BG023625.D

Acq: 11 Aug 2016 14:00

Instrument :

BNA_G

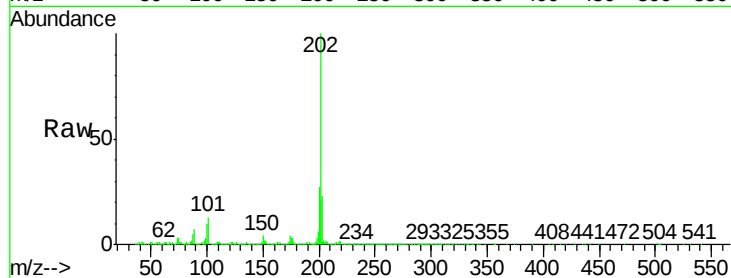
ClientSampleId :

PR001-SS004-3642-01

Tgt Ion:	202	Resp:	2248638
Ion Ratio	Lower	Upper	
202	100		
101	12.7	10.6	16.0
100	9.9	8.7	13.1

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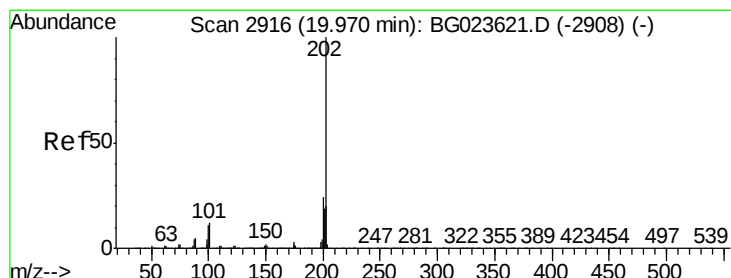
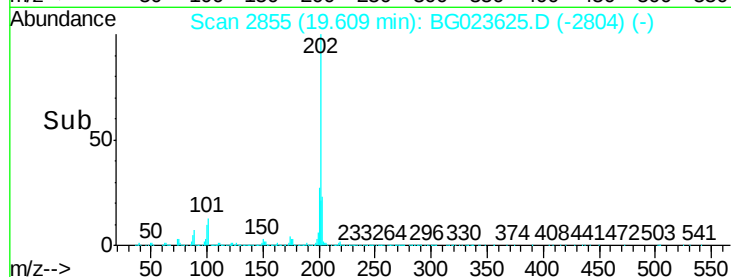
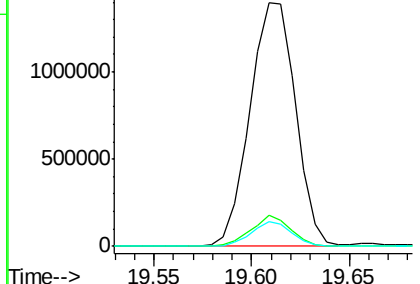
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 34.72 ng/ul

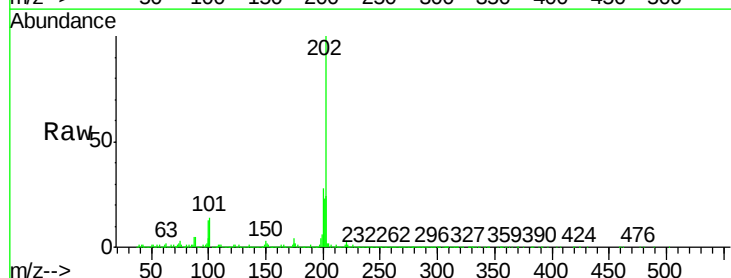
RT: 19.97 min Scan# 2917

Delta R.T. 0.00 min

Lab File: BG023625.D

Acq: 11 Aug 2016 14:00

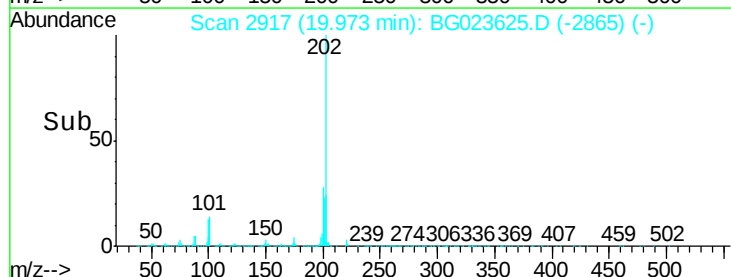
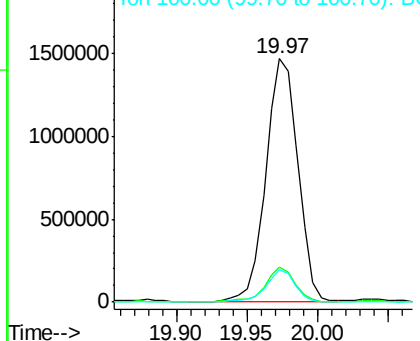
Tgt Ion:	202	Resp:	2328057
Ion Ratio	Lower	Upper	
202	100		
101	14.5	12.5	18.7
100	13.2	10.2	15.4

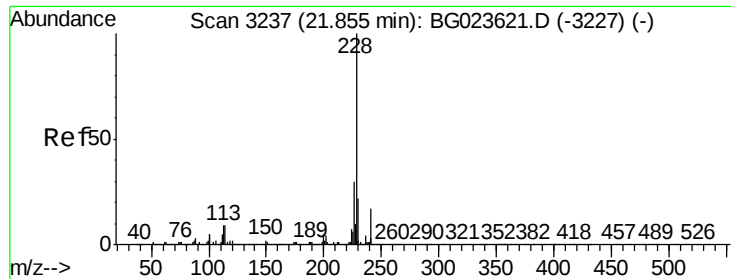


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 22.14 ng/ul

RT: 21.86 min Scan# 3238

Delta R.T. 0.00 min

Lab File: BG023625.D

Acq: 11 Aug 2016 14:00

Instrument :

BNA_G

ClientSampleId :

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Tgt Ion: 228 Resp: 1352478

Ion Ratio Lower Upper

228 100

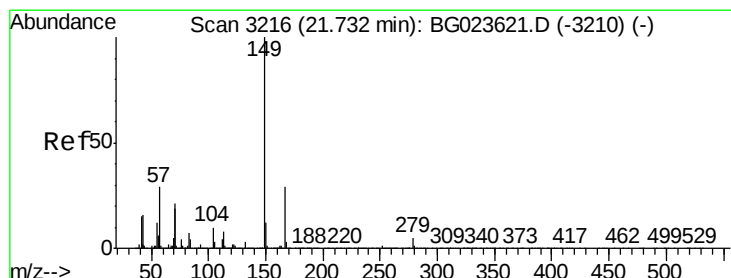
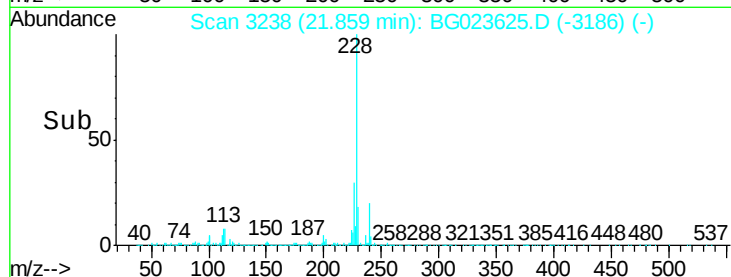
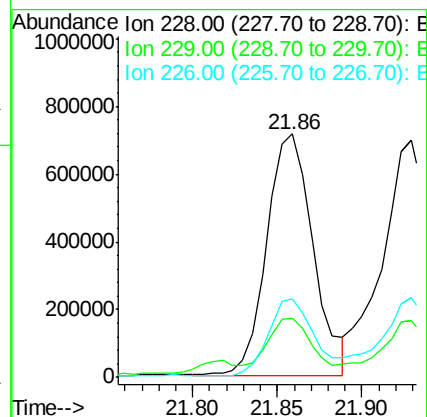
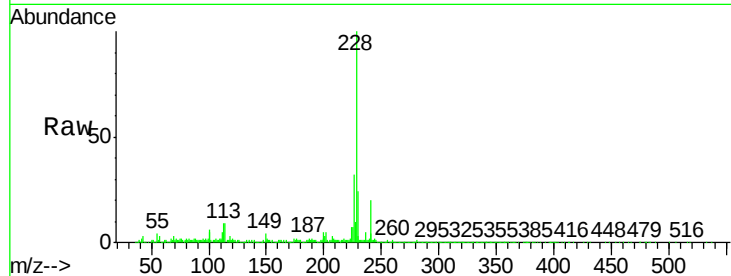
229 24.2 15.4 23.2#

226 32.2 22.8 34.2

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#81

Bis(2-ethylhexyl)phthalate

Concen: 260.36 ng/ul

RT: 21.76 min Scan# 3222

Delta R.T. 0.03 min

Lab File: BG023625.D

Acq: 11 Aug 2016 14:00

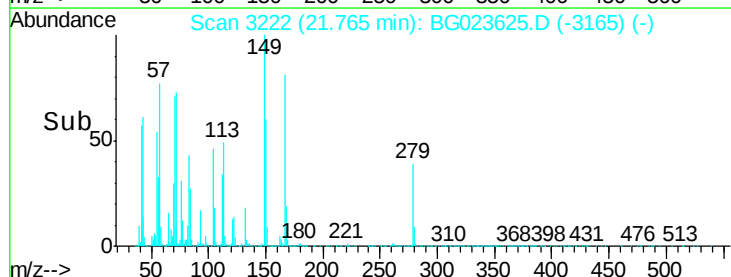
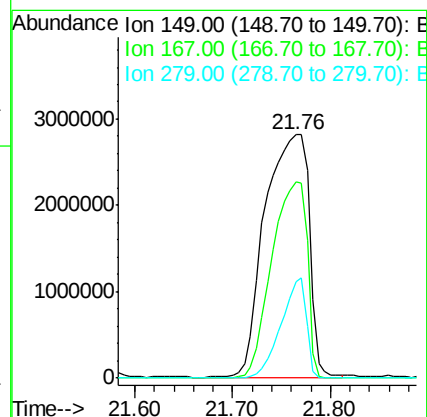
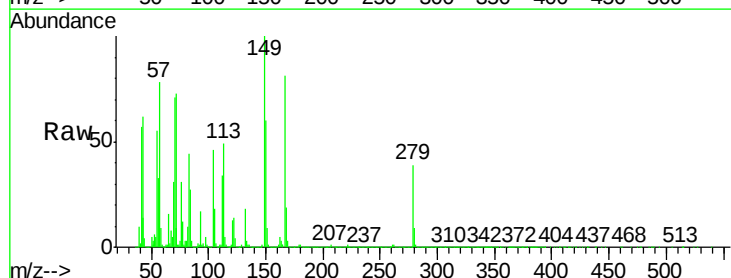
Tgt Ion: 149 Resp: 8902507

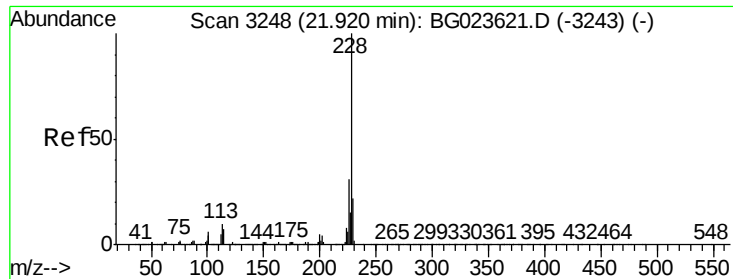
Ion Ratio Lower Upper

149 100

167 80.5 21.9 32.9#

279 39.4 2.9 4.3#





#82

Chrysene

Concen: 24.53 ng/ul

RT: 21.93 min Scan# 3250

Delta R.T. 0.01 min

Lab File: BG023625.D

Acq: 11 Aug 2016 14:00

Instrument :

BNA_G

ClientSampleId :

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Tgt Ion:228 Resp: 1362408

Ion Ratio Lower Upper

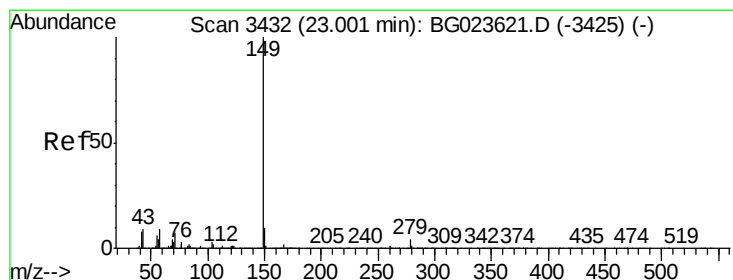
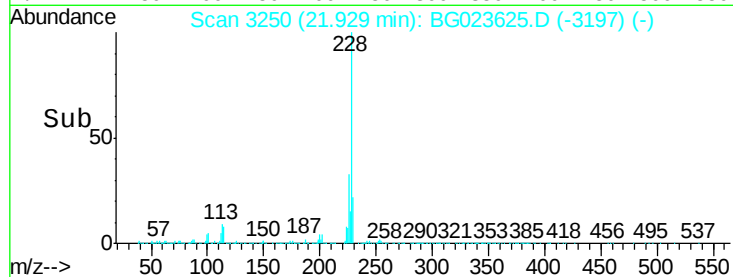
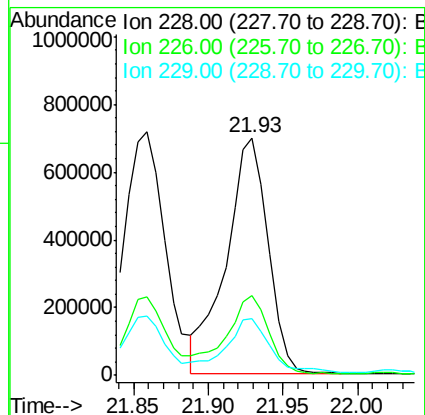
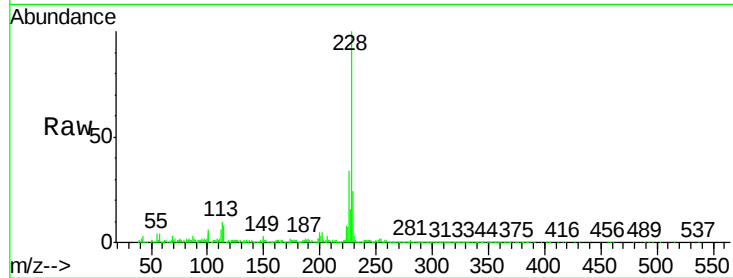
228 100

226 33.6 24.2 36.4

229 24.1 15.0 22.6#

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#84

Di-n-octyl phthalate

Concen: 18.99 ng/ul

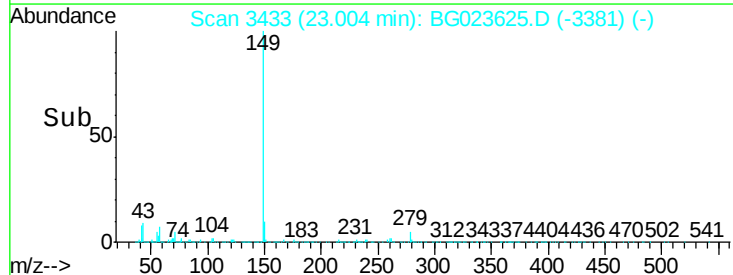
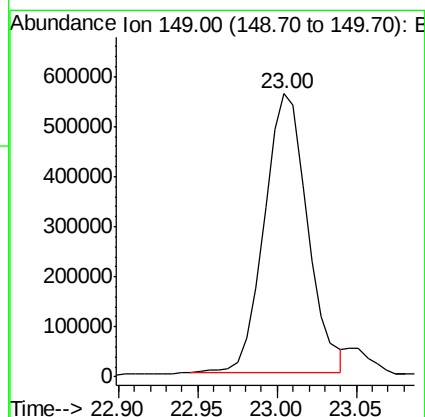
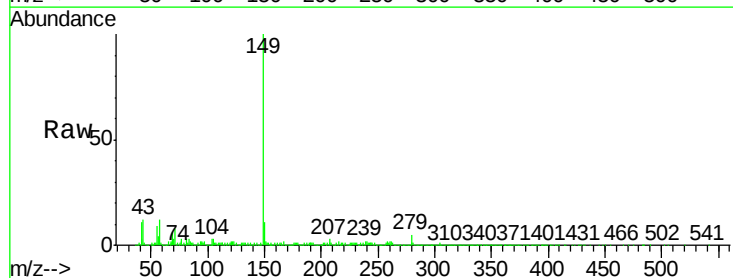
RT: 23.00 min Scan# 3433

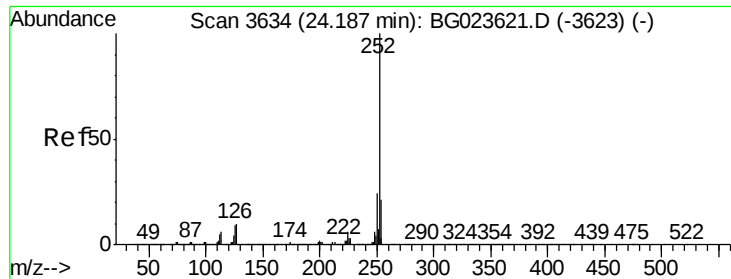
Delta R.T. 0.00 min

Lab File: BG023625.D

Acq: 11 Aug 2016 14:00

Tgt Ion:149 Resp: 1055950





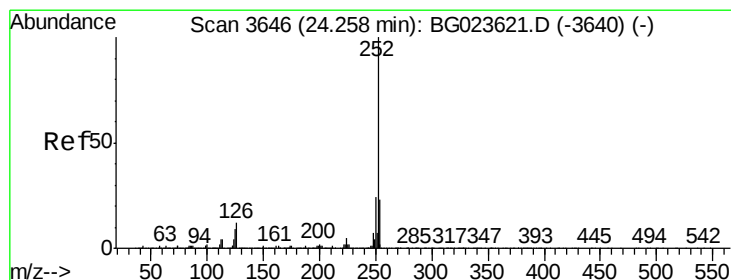
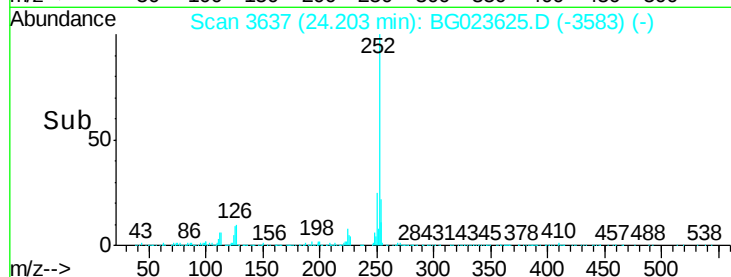
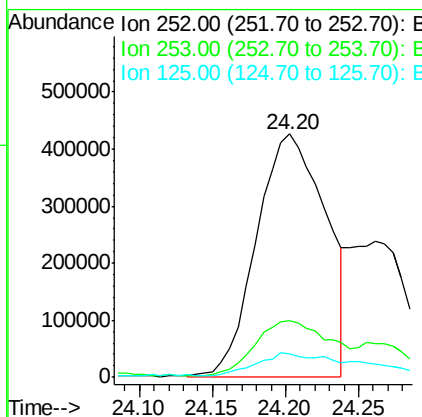
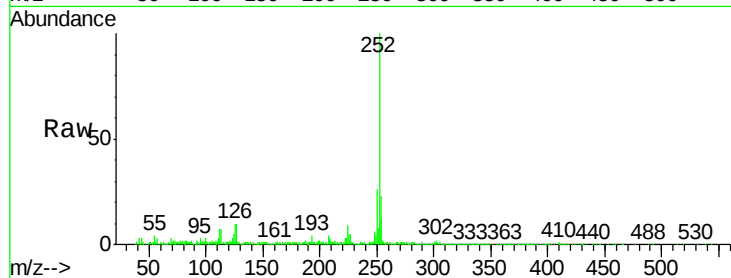
#85
Benzo(b)fluoranthene
Concen: 22.44 ng/ul m
RT: 24.20 min Scan# 3637
Delta R.T. 0.02 min
Lab File: BG023625.D
Acq: 11 Aug 2016 14:00

Instrument :
BNA_G
ClientSampleId :
PR001-SS004-3642-01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	9.6	10.8	16.2#

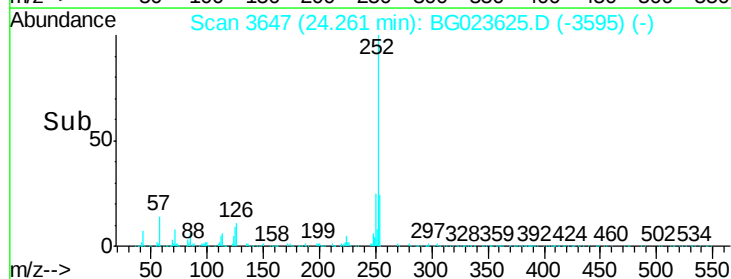
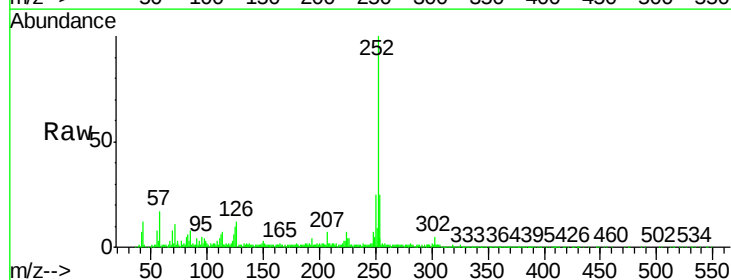
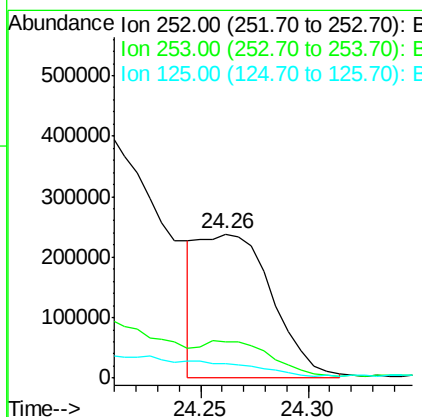
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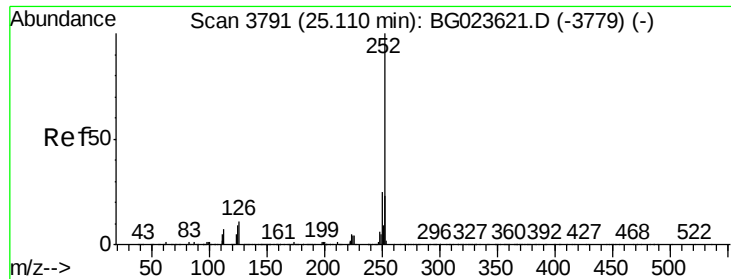
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#86
Benzo(k)fluoranthene
Concen: 9.17 ng/ul m
RT: 24.26 min Scan# 3647
Delta R.T. 0.00 min
Lab File: BG023625.D
Acq: 11 Aug 2016 14:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	15.8	23.6#
125	9.9	10.6	16.0#





#88

Benzo(a)pyrene

Concen: 18.77 ng/ul m

RT: 25.13 min Scan# 3794

Delta R.T. 0.02 min

Lab File: BG023625.D

Acq: 11 Aug 2016 14:00

Instrument :

BNA_G

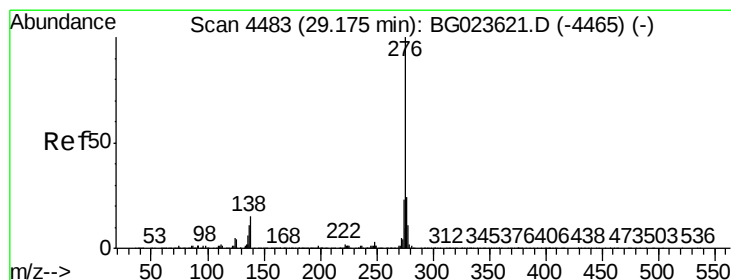
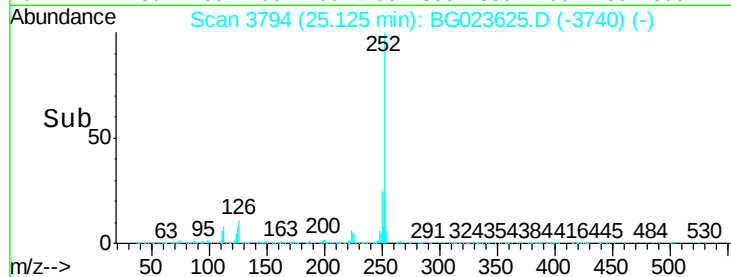
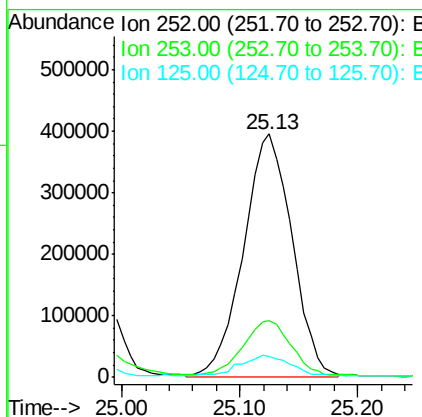
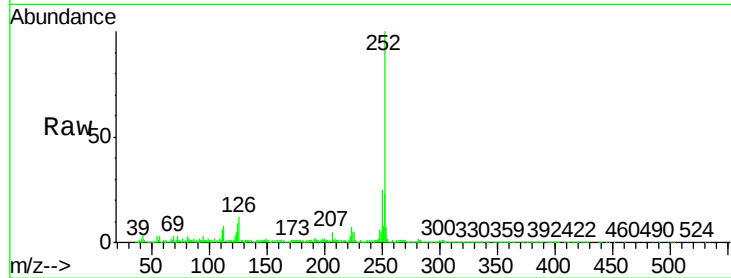
ClientSampleId :

PR001-SS004-3642-01

Tgt Ion:	252	Resp:	1134768
Ion Ratio	Lower	Upper	
252	100		
253	23.3	19.0	28.4
125	8.8	12.0	18.0#

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#89

Indeno(1,2,3-cd)pyrene

Concen: 10.61 ng/ul

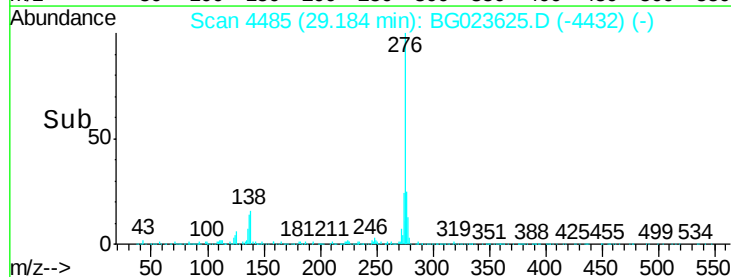
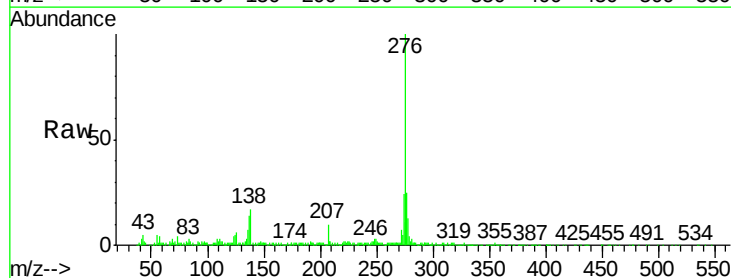
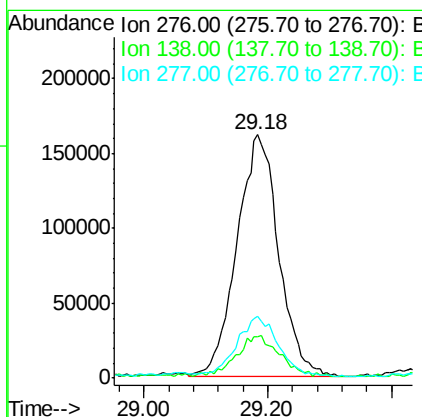
RT: 29.18 min Scan# 4485

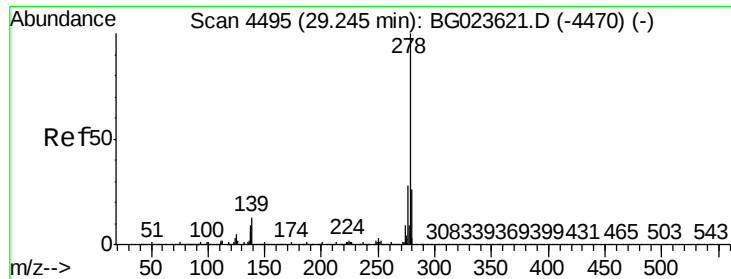
Delta R.T. 0.01 min

Lab File: BG023625.D

Acq: 11 Aug 2016 14:00

Tgt Ion:	276	Resp:	753921
Ion Ratio	Lower	Upper	
276	100		
138	16.7	20.8	31.2#
277	25.2	17.6	26.4





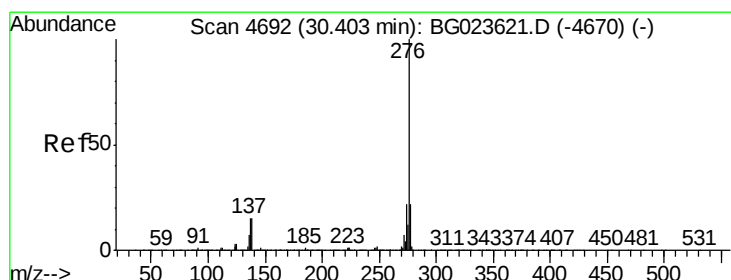
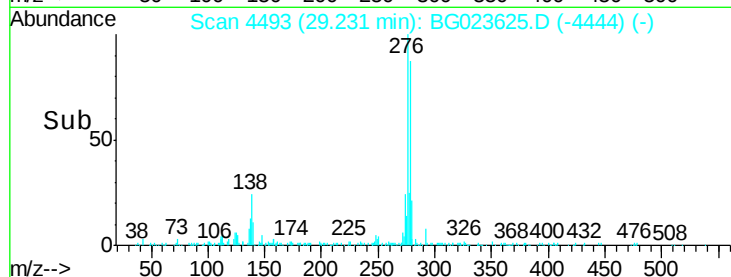
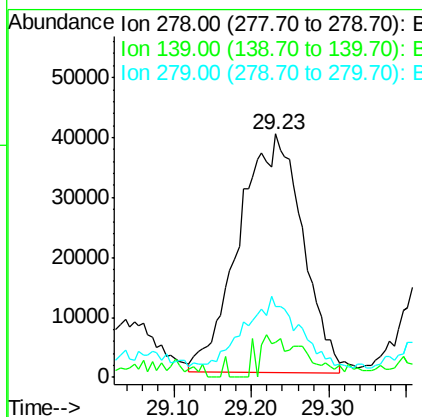
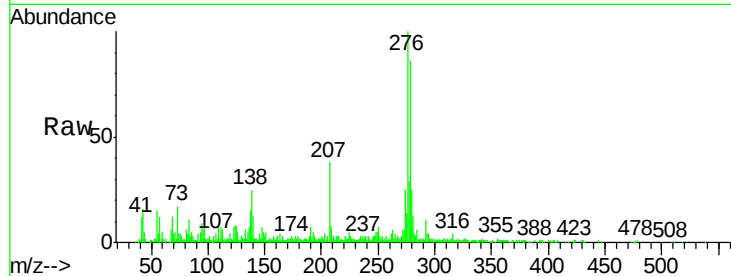
#90
Dibenzo(a,h)anthracene
Concen: 3.74 ng/ul m
RT: 29.23 min Scan# 4493
Delta R.T. -0.01 min
Lab File: BG023625.D
Acq: 11 Aug 2016 14:00

Instrument :
BNA_G
ClientSampleId :
PR001-SS004-3642-01

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.5	16.3	24.5#
279	29.1	19.1	28.7#

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#91
Benzo(g,h,i)perylene
Concen: 12.42 ng/ul
RT: 30.41 min Scan# 4694
Delta R.T. 0.01 min
Lab File: BG023625.D
Acq: 11 Aug 2016 14:00

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.1	22.1	33.1#
277	24.8	17.0	25.4

