

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
 Data File : BG023636.D
 Acq On : 12 Aug 2016 00:05
 Operator : UM/SJ
 Sample : H4360-19 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR001-SS004-0002-01

Manual Integrations
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Quant Time: Aug 12 05:34:05 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	168029	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.95	136	777626	20.00	ng/ul	-0.01
35) Acenaphthene-d10	14.79	164	517243	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.55	188	1123784	20.00	ng/ul	-0.01
75) Chrysene-d12	21.87	240	1133958	20.00	ng/ul	0.00
83) Perylene-d12	25.28	264	1118495	20.00	ng/ul	0.00

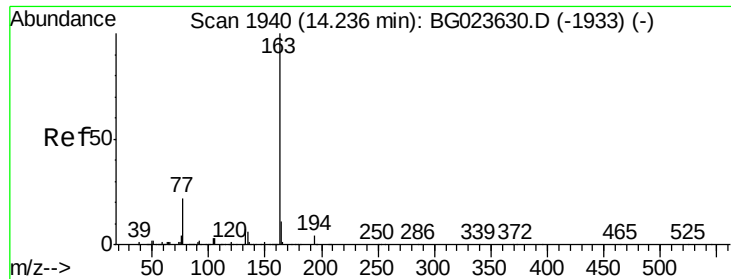
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	3043	0.77	ng/uL	-0.01
5) Phenol-d5	7.27	99	144857	8.56	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.43	67	94969	8.76	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.64	132	103423	8.96	ng/ul	-0.02
13) 4-Methylphenol-d8	8.82	113	101901	7.71	ng/ul	-0.02
19) Nitrobenzene-d5	9.29	128	55230	9.01	ng/ul	-0.02
22) 2-Nitrophenol-d4	10.02	143	68543	9.74	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.57	165	123340	9.29	ng/ul	0.00
29) 4-Chloroaniline-d4	11.09	131	91339	5.86	ng/ul	-0.01
43) Dimethylphthalate-d6	14.18	166	421402	9.95	ng/ul	-0.01
46) Acenaphthylene-d8	14.47	160	501750	10.53	ng/ul	-0.01
51) 4-Nitrophenol-d4	15.02	143	40726	5.63	ng/ul	0.00
57) Fluorene-d10	15.78	176	388514	9.93	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.91	200	48181	6.68	ng/ul	0.00
70) Anthracene-d10	17.65	188	573142	11.32	ng/ul	-0.01
76) Pyrene-d10	19.94	212	590979	10.30	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.04	264	549892	10.86	ng/ul	0.00

Target Compounds

						Qvalue
44) Dimethylphthalate	14.22	163	206449	4.92	ng/ul	100
47) Acenaphthylene	14.52	152	76911	1.54	ng/ul#	92
69) Phenanthrene	17.59	178	609650	10.48	ng/ul	98
71) Anthracene	17.68	178	101429	1.71	ng/ul	98
73) Di-n-butylphthalate	18.50	149	96985	1.62	ng/ul#	96
74) Fluoranthene	19.60	202	1174141	19.71	ng/ul#	94
77) Pyrene	19.97	202	1388419	19.81	ng/ul#	94
80) Benzo(a)anthracene	21.85	228	761120	11.92	ng/ul#	95
81) Bis(2-ethylhexyl)phthalate	21.79	149	13186225	368.83	ng/ul#	1
82) Chrysene	21.92	228	810510	13.96	ng/ul#	94
84) Di-n-octyl phthalate	23.00	149	2471079	43.74	ng/ul	100
85) Benzo(b)fluoranthene	24.20	252	925523	14.55	ng/ul#	94
86) Benzo(k)fluoranthene	24.26	252	269962m	4.31	ng/ul	
88) Benzo(a)pyrene	25.12	252	689613m	11.23	ng/ul	
89) Indeno(1,2,3-cd)pyrene	29.17	276	453554	6.28	ng/ul#	91
90) Dibenzo(a,h)anthracene	29.23	278	149322m	2.43	ng/ul	
91) Benzo(g,h,i)perylene	30.38	276	468861	7.84	ng/ul#	84

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



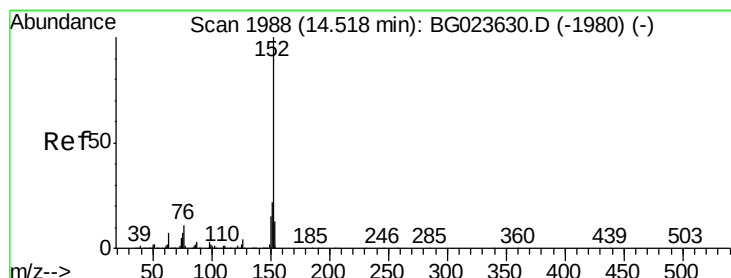
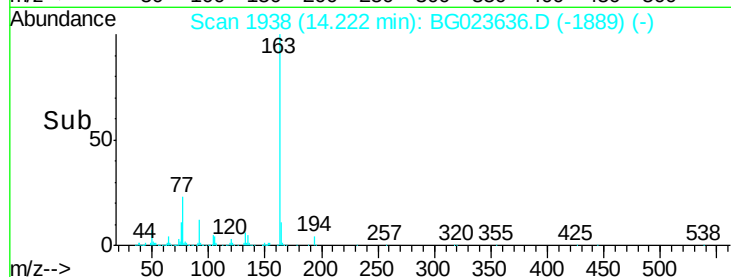
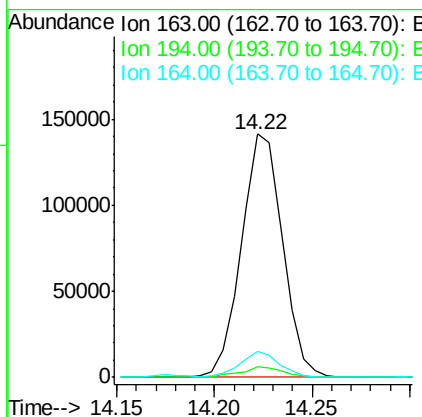
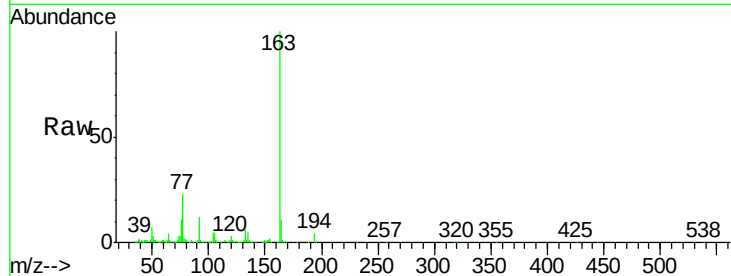
#44
Dimethylphthalate
Concen: 4.92 ng/ul
RT: 14.22 min Scan# 1938
Delta R.T. -0.01 min
Lab File: BG023636.D
Acq: 12 Aug 2016 00:05

Instrument :
BNA_G
ClientSampleId :
PR001-SS004-0002-01

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	206449		
194	4.3		3.4	5.2
164	10.8		8.8	13.2

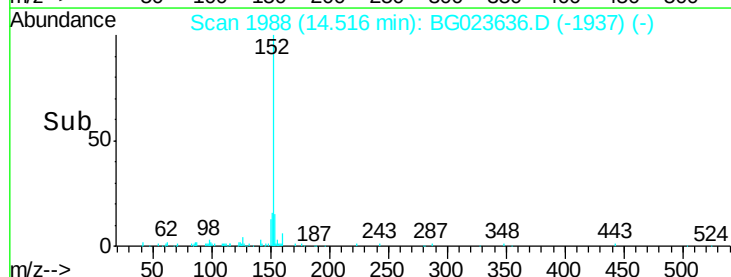
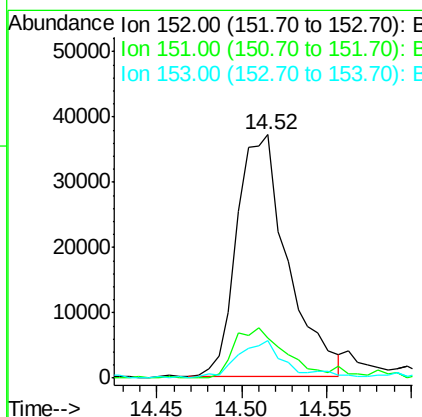
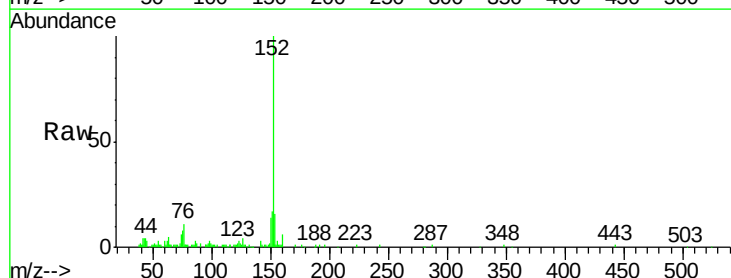
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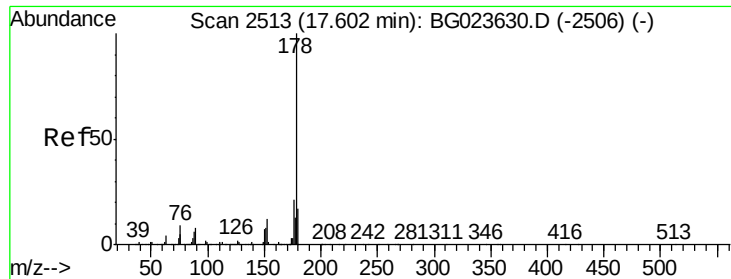
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#47
Acenaphthylene
Concen: 1.54 ng/ul
RT: 14.52 min Scan# 1988
Delta R.T. -0.00 min
Lab File: BG023636.D
Acq: 12 Aug 2016 00:05

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	76911		
151	16.7		17.5	26.3#
153	15.6		11.1	16.7





#69

Phenanthrene

Concen: 10.48 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. -0.01 min

Lab File: BG023636.D

Acq: 12 Aug 2016 00:05

Instrument :

BNA_G

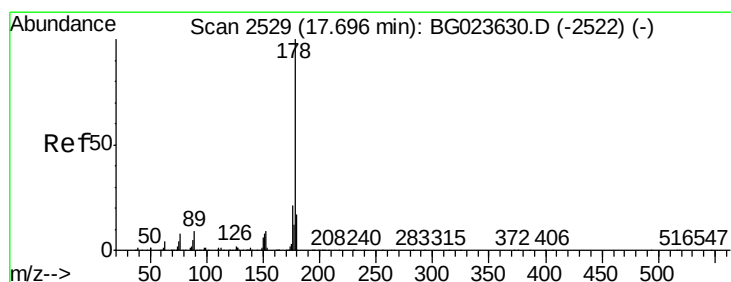
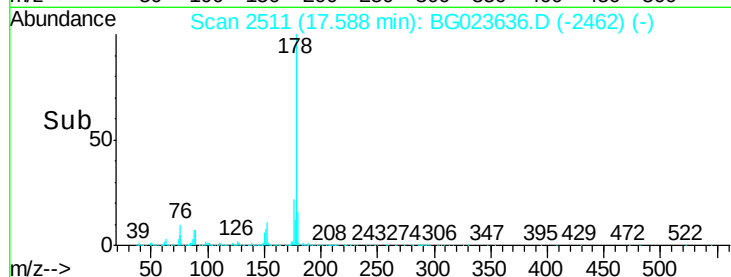
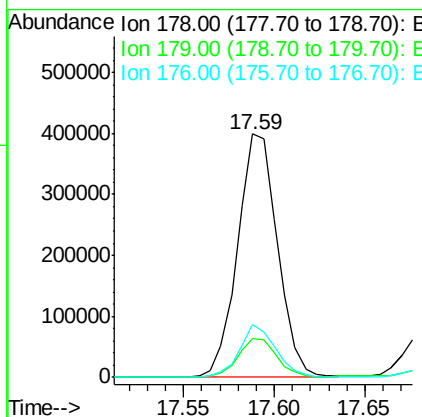
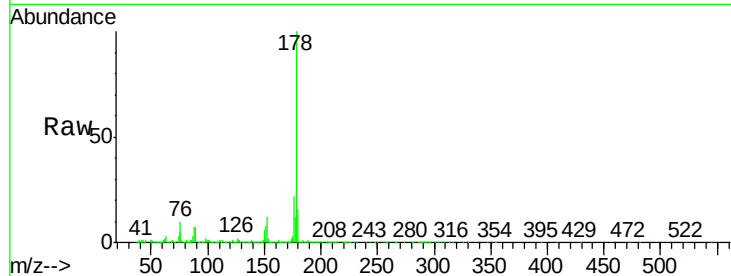
ClientSampleId :

PR001-SS004-0002-01

Tgt Ion:	178	Resp:	609650
Ion Ratio		Lower	Upper
178	100		
179	16.0	12.9	19.3
176	21.6	15.8	23.8

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#71

Anthracene

Concen: 1.71 ng/ul

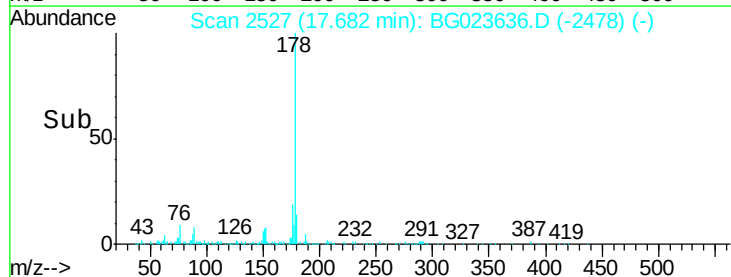
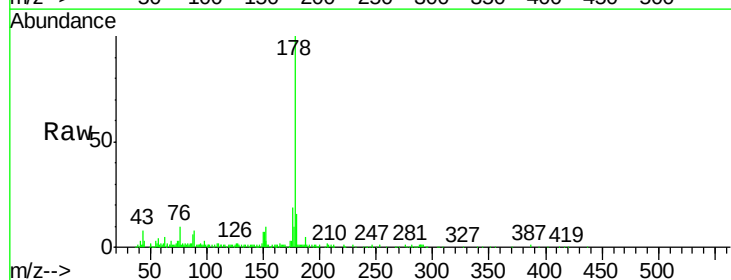
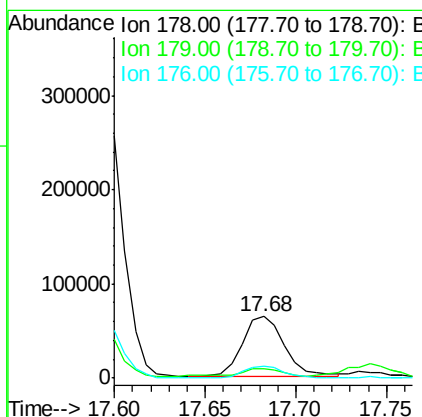
RT: 17.68 min Scan# 2527

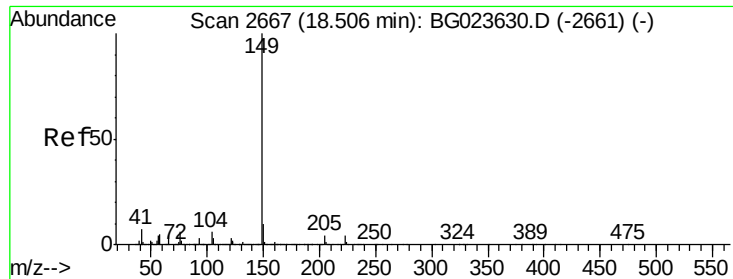
Delta R.T. -0.01 min

Lab File: BG023636.D

Acq: 12 Aug 2016 00:05

Tgt Ion:	178	Resp:	101429
Ion Ratio		Lower	Upper
178	100		
179	15.7	12.3	18.5
176	19.1	16.3	24.5





#73

Di-n-butylphthalate

Concen: 1.62 ng/ul

RT: 18.50 min Scan# 2666

Delta R.T. -0.01 min

Lab File: BG023636.D

Acq: 12 Aug 2016 00:05

Instrument :

BNA_G

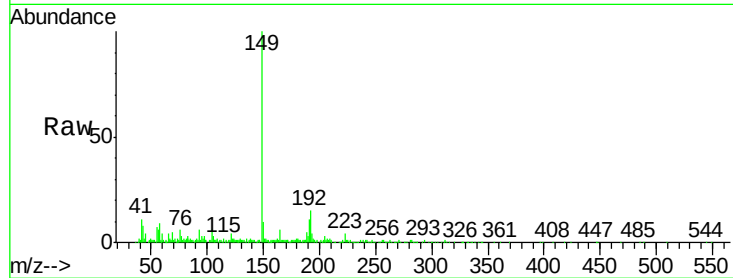
ClientSampleId :

PR001-SS004-0002-01

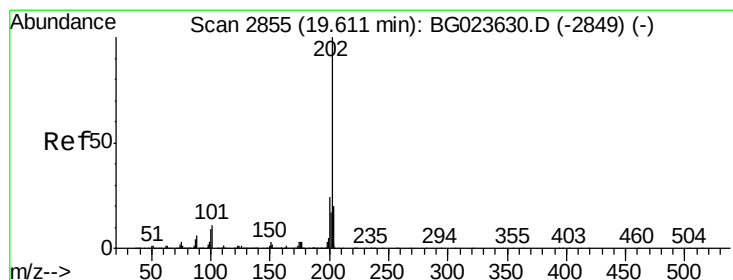
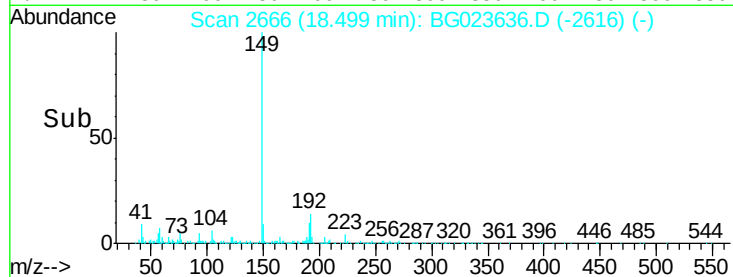
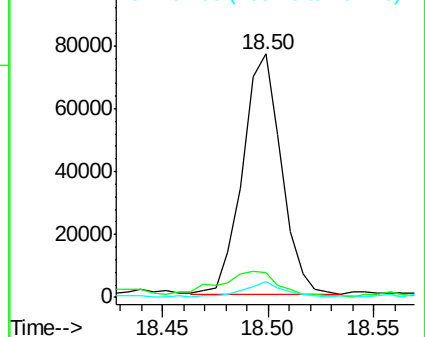
Tgt Ion:	149	Resp:	96985
Ion Ratio	Lower	Upper	
149	100		
150	10.1	7.1	10.7
104	6.4	3.3	4.9#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 19.71 ng/ul

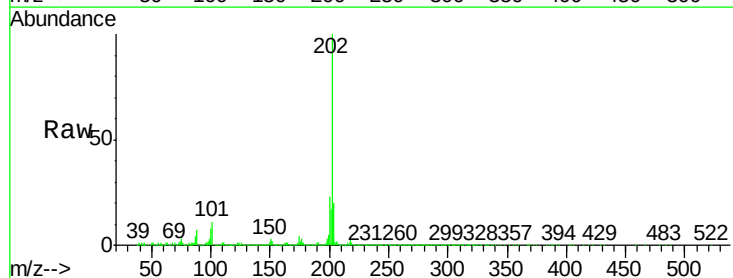
RT: 19.60 min Scan# 2854

Delta R.T. -0.01 min

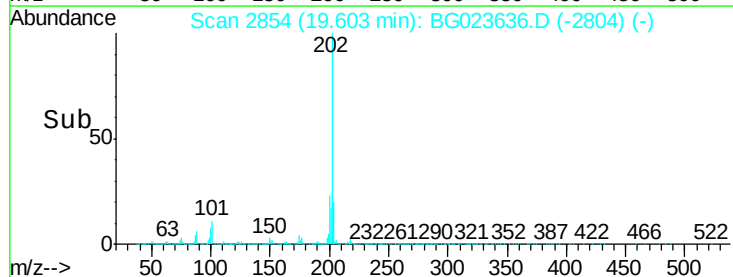
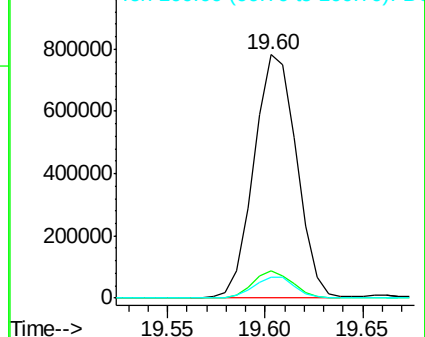
Lab File: BG023636.D

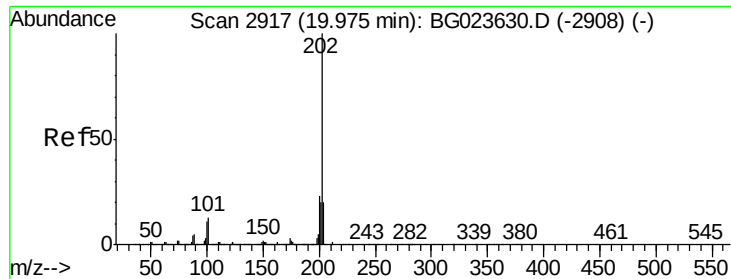
Acq: 12 Aug 2016 00:05

Tgt Ion:	202	Resp:	1174141
Ion Ratio	Lower	Upper	
202	100		
101	11.2	10.6	16.0
100	8.4	8.7	13.1#



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





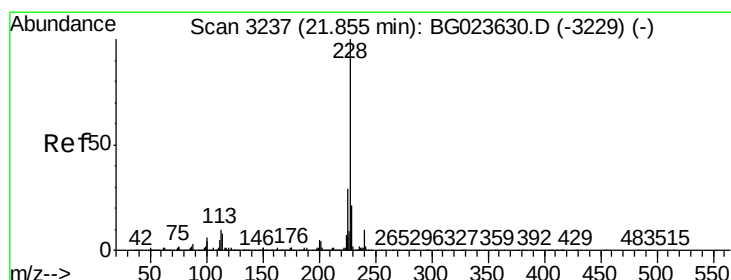
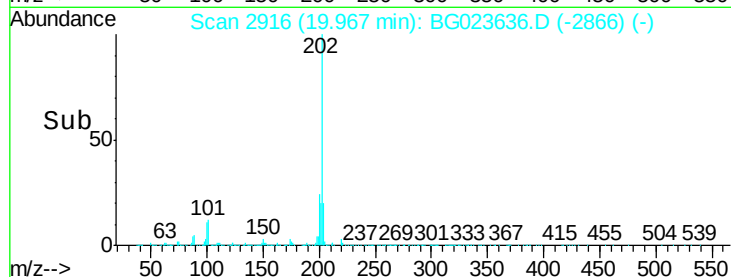
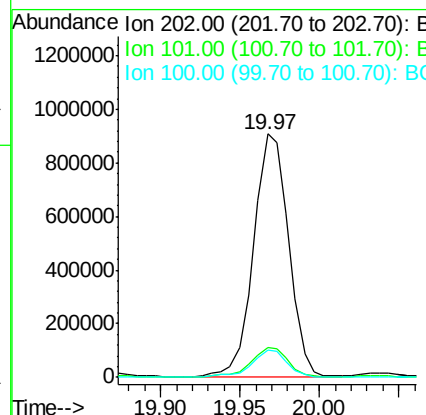
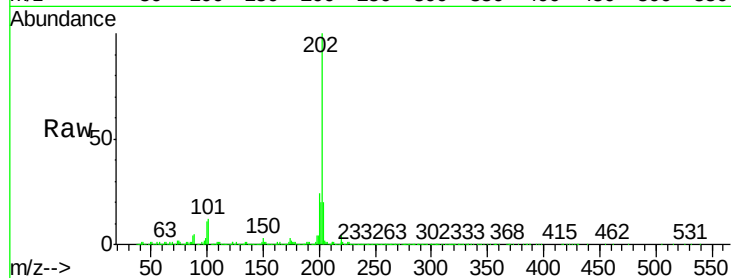
#77
 Pyrene
 Concen: 19.81 ng/ul
 RT: 19.97 min Scan# 2916
 Delta R.T. -0.01 min
 Lab File: BG023636.D
 Acq: 12 Aug 2016 00:05

Instrument :
 BNA_G
 ClientSampleId :
 PR001-SS004-0002-01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	12.5	18.7#
100	11.1	10.2	15.4

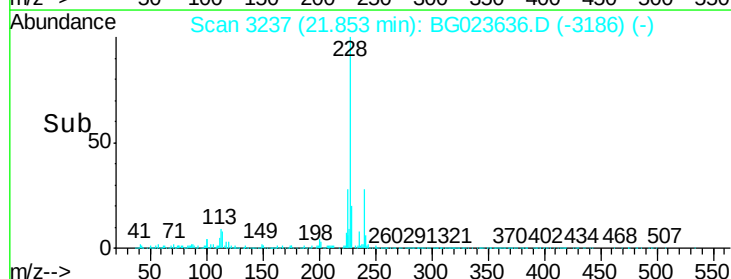
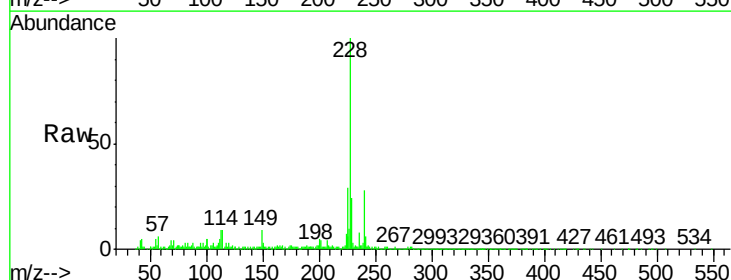
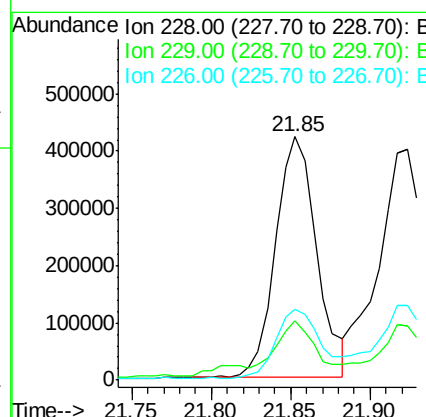
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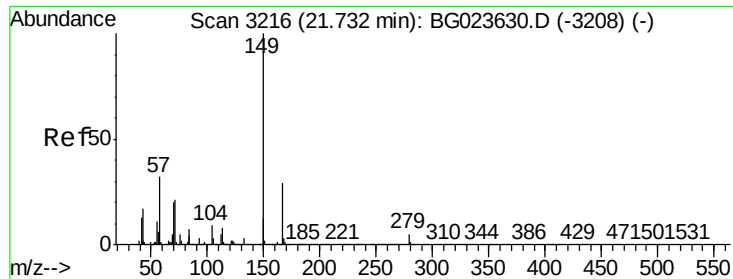
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#80
 Benzo(a)anthracene
 Concen: 11.92 ng/ul
 RT: 21.85 min Scan# 3237
 Delta R.T. -0.00 min
 Lab File: BG023636.D
 Acq: 12 Aug 2016 00:05

Tgt Ion	Ratio	Lower	Upper
228	100		
229	24.3	15.4	23.2#
226	28.9	22.8	34.2





#81

Bis(2-ethylhexyl)phthalate

Concen: 368.83 ng/ul

RT: 21.79 min Scan# 3226

Delta R.T. 0.06 min

Lab File: BG023636.D

Acq: 12 Aug 2016 00:05

Instrument :

BNA_G

ClientSampleId :

PR001-SS004-0002-01

Tgt Ion:149 Resp:13186225

Ion Ratio Lower Upper

149 100

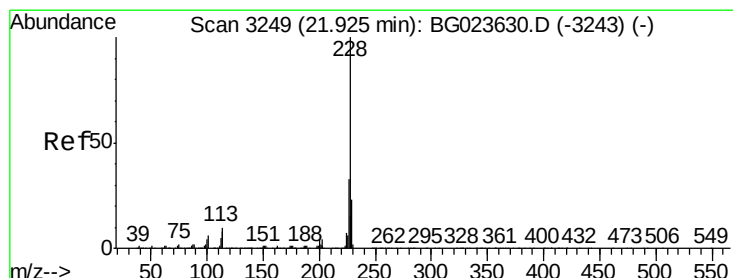
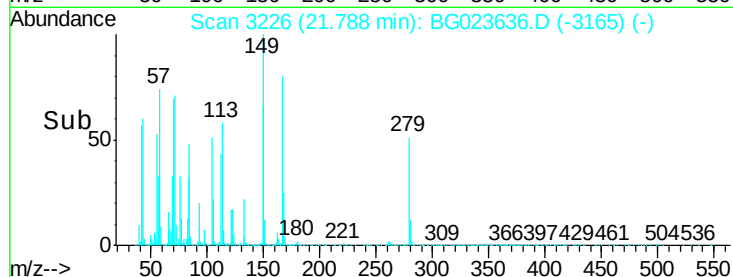
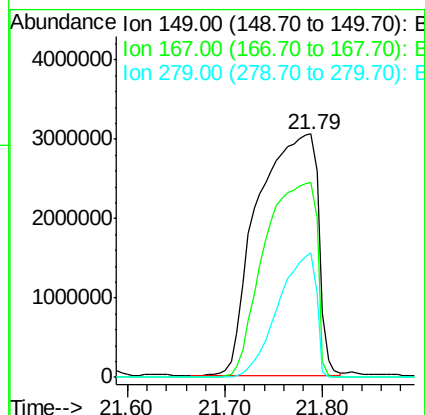
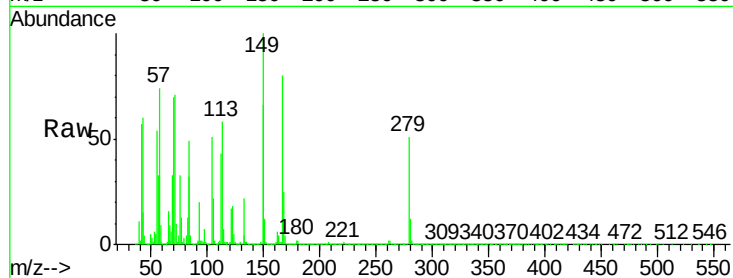
167 80.0 21.9 32.9#

279 51.3 2.9 4.3#

Manual Integrations
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#82

Chrysene

Concen: 13.96 ng/ul

RT: 21.92 min Scan# 3249

Delta R.T. -0.00 min

Lab File: BG023636.D

Acq: 12 Aug 2016 00:05

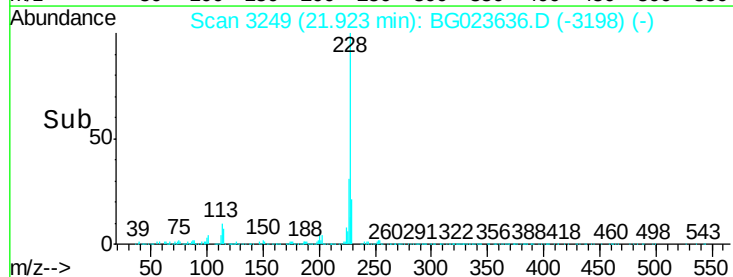
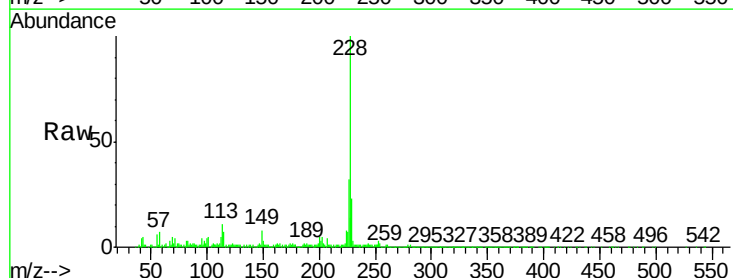
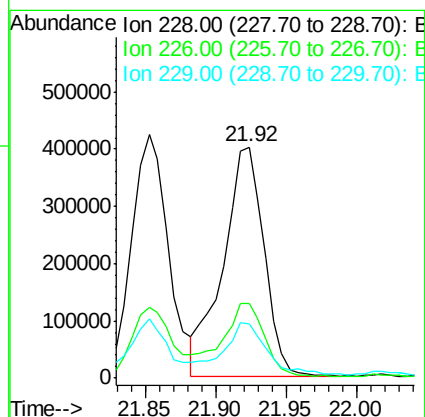
Tgt Ion:228 Resp: 810510

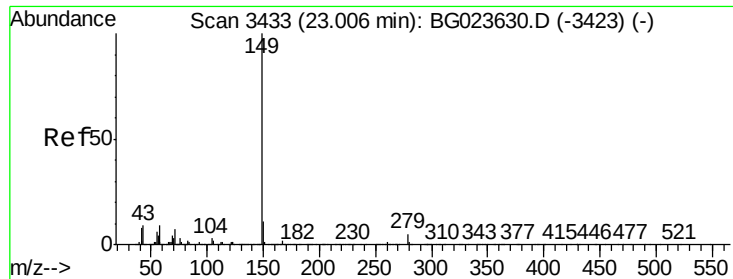
Ion Ratio Lower Upper

228 100

226 32.3 24.2 36.4

229 23.3 15.0 22.6#





#84

Di-n-octyl phthalate

Concen: 43.74 ng/ul

RT: 23.00 min Scan# 3433

Delta R.T. -0.00 min

Lab File: BG023636.D

Acq: 12 Aug 2016 00:05

Instrument :

BNA_G

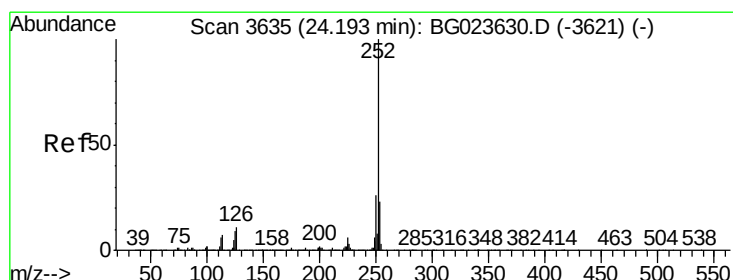
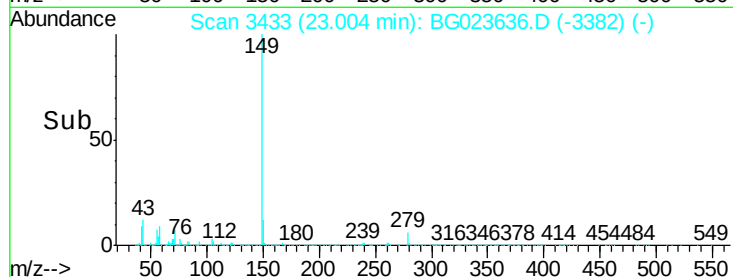
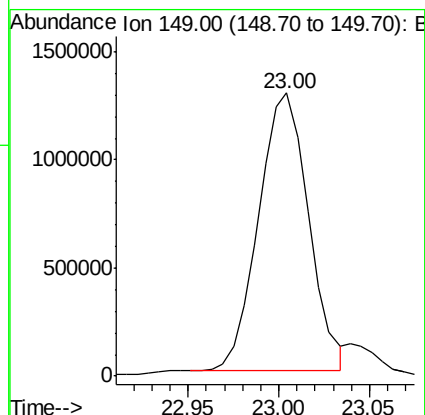
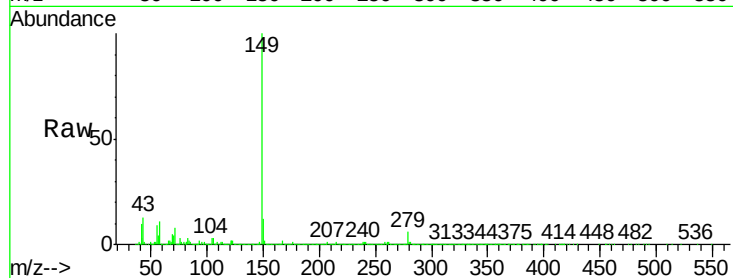
ClientSampleId :

PR001-SS004-0002-01

Tgt Ion:149 Resp: 2471079

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#85

Benzo(b)fluoranthene

Concen: 14.55 ng/ul

RT: 24.20 min Scan# 3636

Delta R.T. 0.00 min

Lab File: BG023636.D

Acq: 12 Aug 2016 00:05

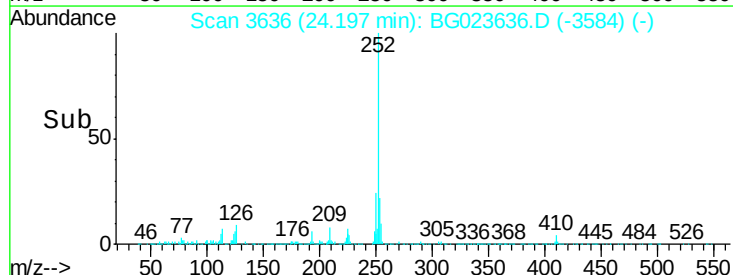
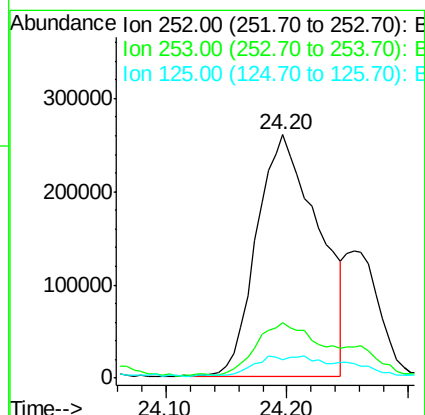
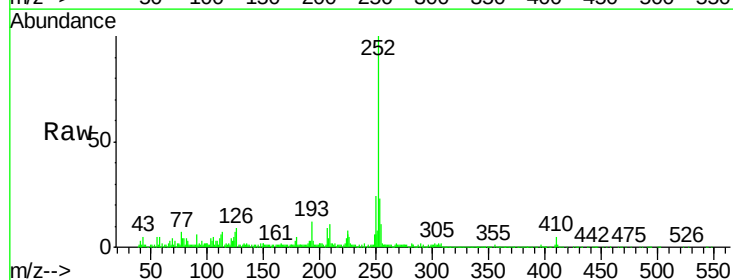
Tgt Ion:252 Resp: 925523

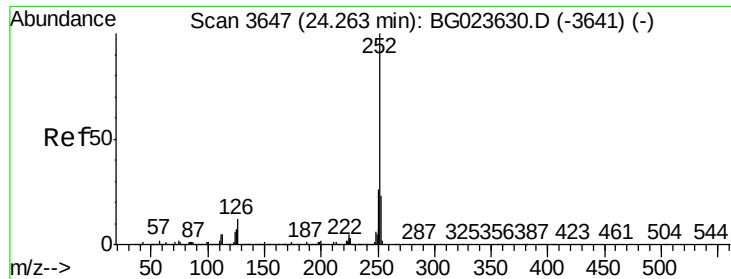
Ion Ratio Lower Upper

252 100

253 22.6 18.2 27.2

125 7.4 10.8 16.2#





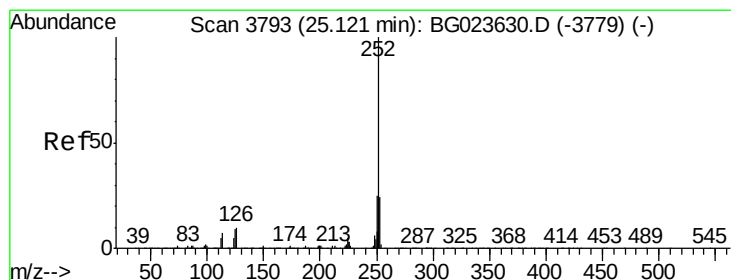
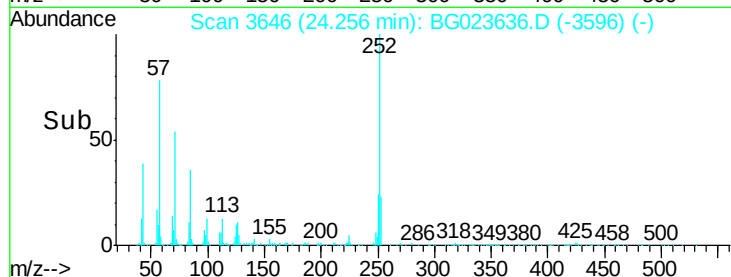
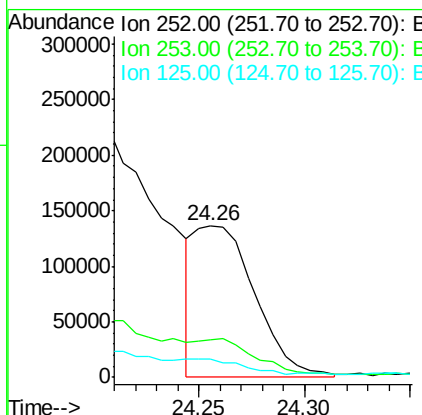
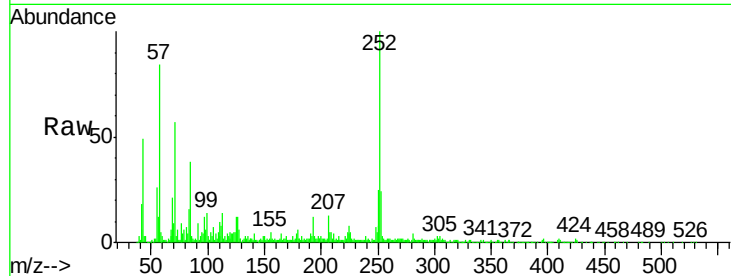
#86
Benzo(k)fluoranthene
Concen: 4.31 ng/ul m
RT: 24.26 min Scan# 3646
Delta R.T. -0.01 min
Lab File: BG023636.D
Acq: 12 Aug 2016 00:05

Instrument :
BNA_G
ClientSampleId :
PR001-SS004-0002-01

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	269962		
253	24.5	15.8	23.6#	
125	11.7	10.6	16.0	

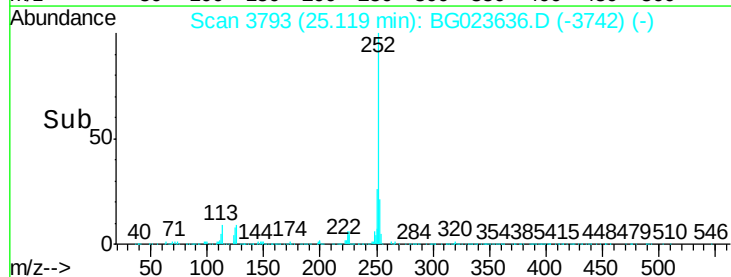
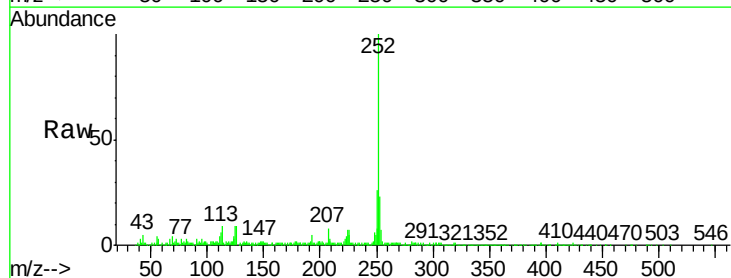
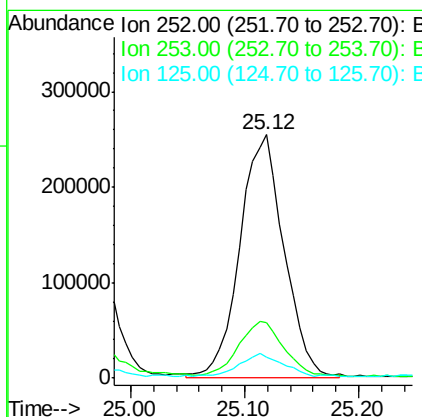
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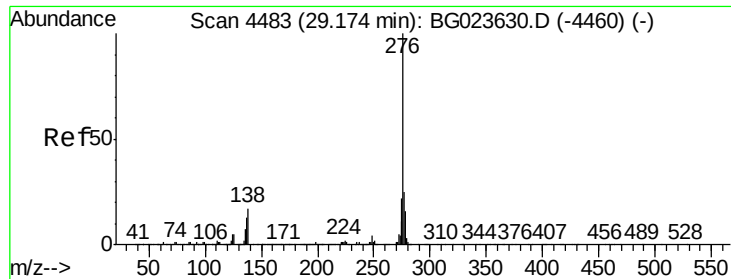
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#88
Benzo(a)pyrene
Concen: 11.23 ng/ul m
RT: 25.12 min Scan# 3793
Delta R.T. -0.00 min
Lab File: BG023636.D
Acq: 12 Aug 2016 00:05

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	689613		
253	22.9	19.0	28.4	
125	8.6	12.0	18.0#	





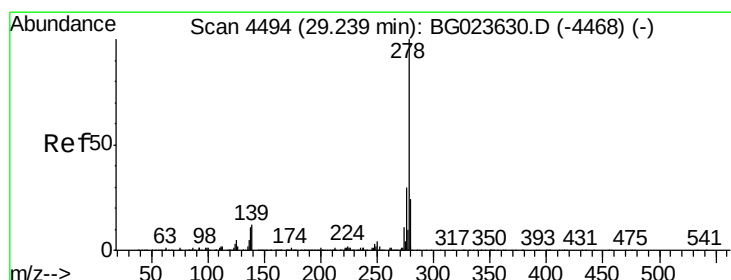
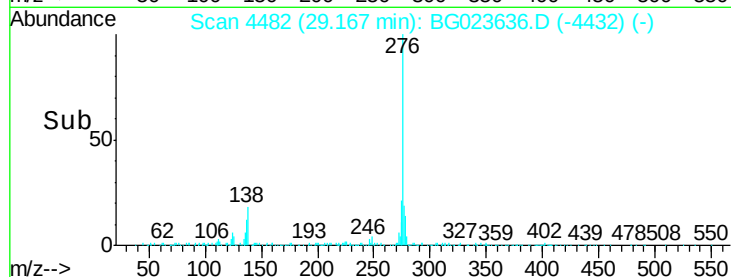
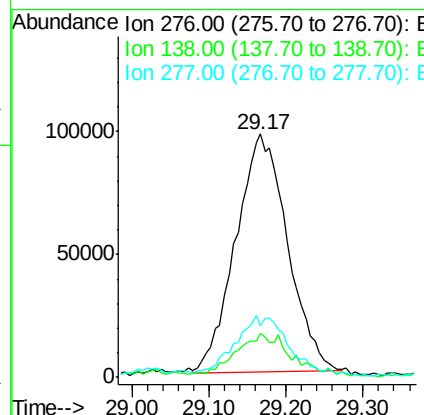
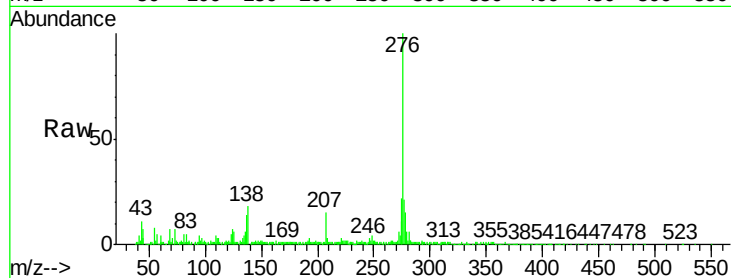
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 6.28 ng/ul
 RT: 29.17 min Scan# 4482
 Delta R.T. -0.01 min
 Lab File: BG023636.D
 Acq: 12 Aug 2016 00:05

Instrument :
 BNA_G
 ClientSampleId :
 PR001-SS004-0002-01

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	453554		
138	18.0	20.8	31.2#	
277	21.2	17.6	26.4	

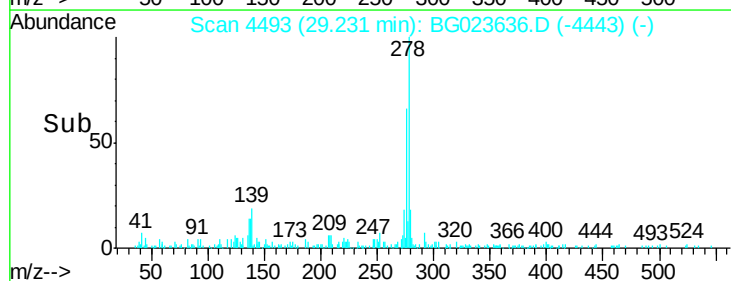
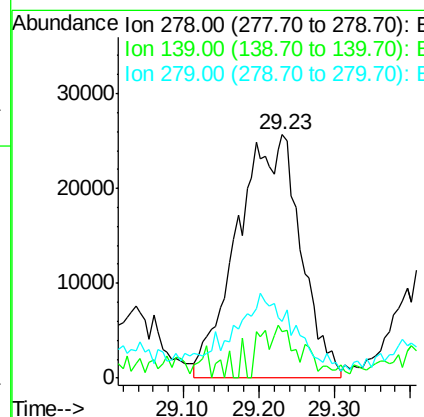
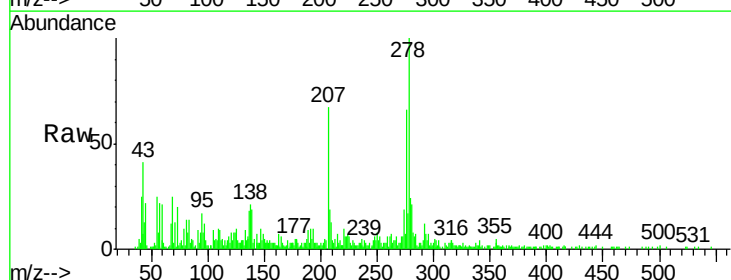
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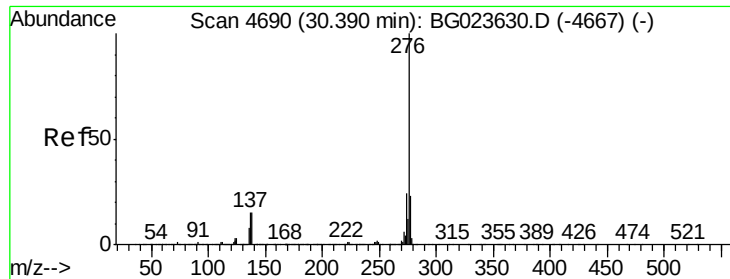
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#90
 Dibenzo(a,h)anthracene
 Concen: 2.43 ng/ul m
 RT: 29.23 min Scan# 4493
 Delta R.T. -0.01 min
 Lab File: BG023636.D
 Acq: 12 Aug 2016 00:05

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	149322		
139	19.2	16.3	24.5	
279	23.5	19.1	28.7	





#91
 Benzo(g,h,i)perylene
 Concen: 7.84 ng/ul
 RT: 30.38 min Scan# 4689
 Delta R.T. -0.01 min
 Lab File: BG023636.D
 Acq: 12 Aug 2016 00:05

Instrument :
 BNA_G
 ClientSampleId :
 PR001-SS004-0002-01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.4	22.1	33.1#
277	23.9	17.0	25.4

Manual Integrations
 APPROVED

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