

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
 Data File : BG023635.D
 Acq On : 11 Aug 2016 23:27
 Operator : UM/SJ
 Sample : H4360-16 20X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR001-SS003-1218-01

Manual Integrations
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Quant Time: Aug 12 05:19:50 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	157550	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.95	136	722523	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.78	164	486894	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.54	188	1084054	20.00	ng/ul	-0.02
75) Chrysene-d12	21.87	240	1083374	20.00	ng/ul	0.00
83) Perylene-d12	25.26	264	1116839	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.49	96	347	0.09	ng/uL	0.00
5) Phenol-d5	7.27	99	7994	0.50	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.42	67	11403	1.12	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.64	132	10580	0.98	ng/ul	-0.02
13) 4-Methylphenol-d8	8.83	113	4374	0.35	ng/ul	-0.02
19) Nitrobenzene-d5	9.29	128	5556	0.98	ng/ul	-0.02
22) 2-Nitrophenol-d4	10.02	143	7000	1.07	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.58	165	12781m	1.04	ng/ul	0.00
29) 4-Chloroaniline-d4	11.10	131	717	0.05	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	45464	1.14	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	52890	1.18	ng/ul	0.00
51) 4-Nitrophenol-d4	15.04	143	3543m	0.52	ng/ul	0.03
57) Fluorene-d10	15.78	176	42956	1.17	ng/ul	-0.02
62) 4,6-Dinitro-2-methylphenol	15.93	200	563	0.08	ng/ul	0.01
70) Anthracene-d10	17.64	188	65777	1.35	ng/ul	-0.02
76) Pyrene-d10	19.94	212	65321	1.19	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.03	264	61689	1.22	ng/ul	-0.02

Target Compounds

						Qvalue
28) Naphthalene	10.99	128	209374	5.71	ng/ul	99
34) 2-Methylnaphthalene	12.60	142	52687	1.77	ng/ul	90
49) Acenaphthene	14.85	153	120339	3.76	ng/ul	98
53) Dibenzofuran	15.18	168	121887	2.57	ng/ul	94
58) Fluorene	15.84	166	142412	3.61	ng/ul	89
69) Phenanthrene	17.59	178	1445119	25.74	ng/ul	96
71) Anthracene	17.68	178	265592	4.64	ng/ul	97
72) Carbazole	17.96	167	163861	3.55	ng/ul	99
74) Fluoranthene	19.61	202	1604794m	27.92	ng/ul	
77) Pyrene	19.97	202	1409378	21.04	ng/ul#	92
80) Benzo(a)anthracene	21.85	228	739550	12.12	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.73	149	73323	2.15	ng/ul#	92
82) Chrysene	21.92	228	756288	13.63	ng/ul	96
85) Benzo(b)fluoranthene	24.18	252	850543	13.39	ng/ul#	94
86) Benzo(k)fluoranthene	24.25	252	357776m	5.72	ng/ul	
88) Benzo(a)pyrene	25.11	252	626032	10.21	ng/ul#	93
89) Indeno(1,2,3-cd)pyrene	29.15	276	413962	5.74	ng/ul#	91
90) Dibenzo(a,h)anthracene	29.18	278	126977m	2.07	ng/ul	
91) Benzo(g,h,i)perylene	30.37	276	365899m	6.12	ng/ul	

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

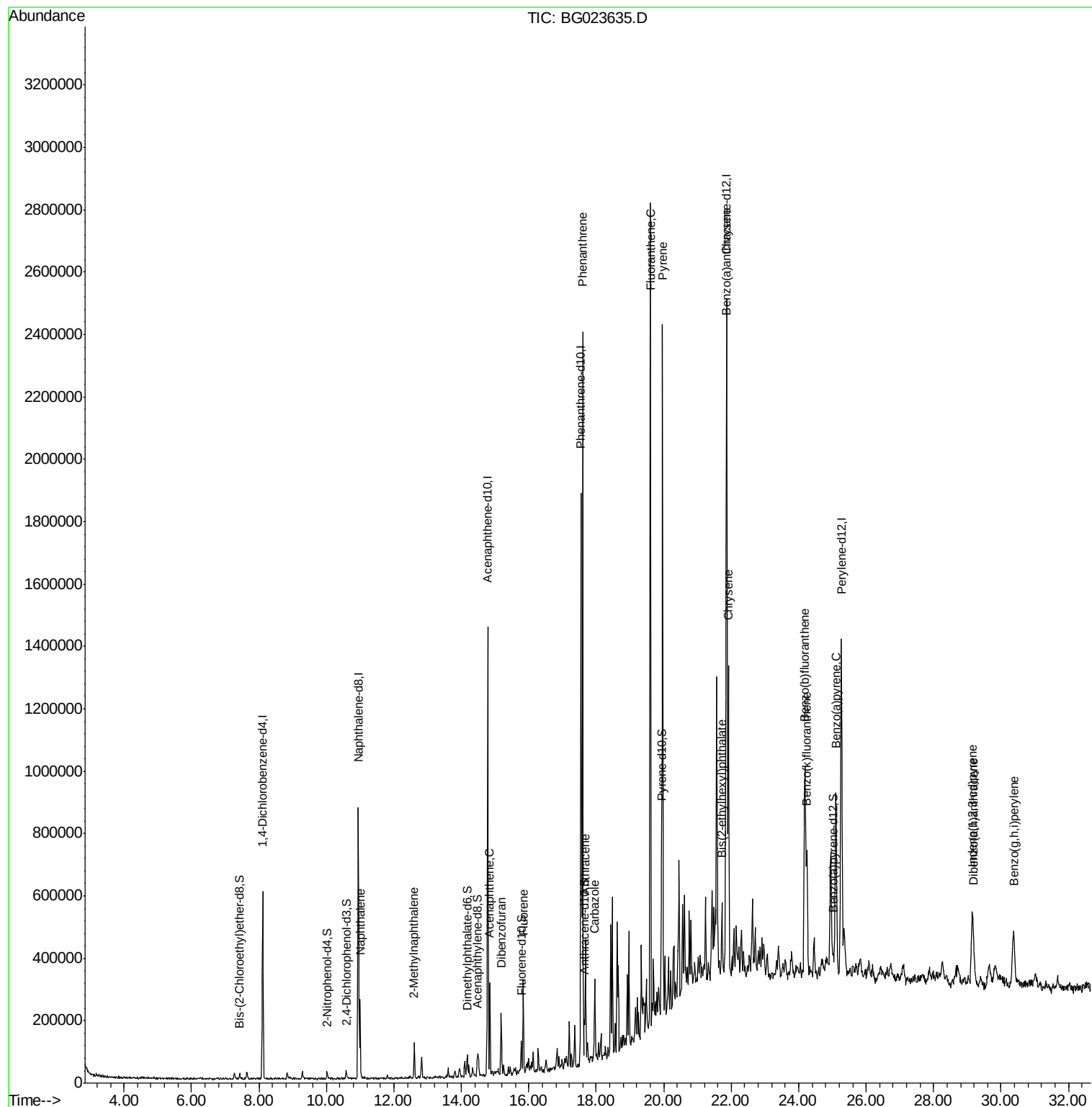
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023635.D
Acq On : 11 Aug 2016 23:27
Operator : UM/SJ
Sample : H4360-16 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

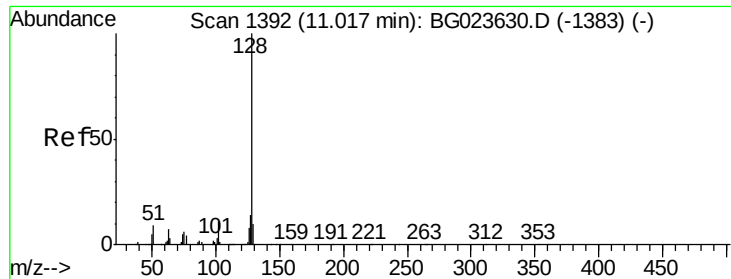
Instrument :
BNA_G
ClientSampleId :
PR001-SS003-1218-01

Manual Integrations
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Quant Time: Aug 12 05:19:50 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





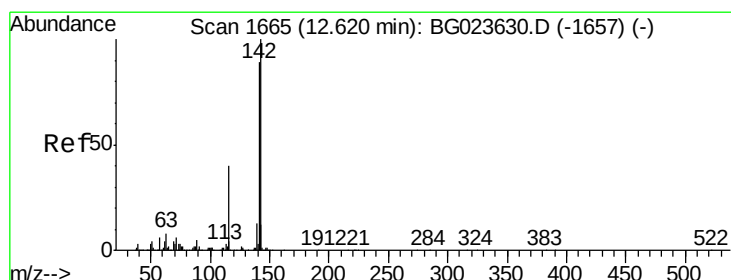
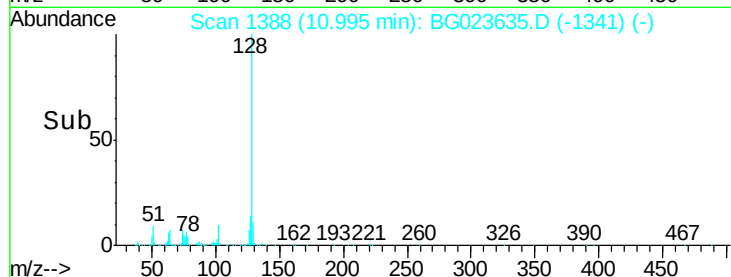
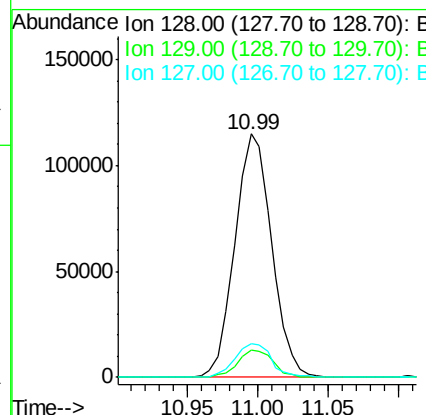
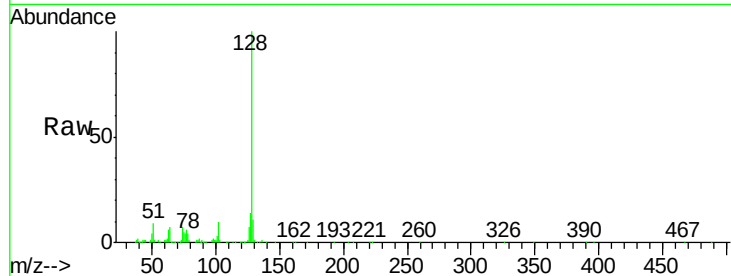
#28
Naphthalene
Concen: 5.71 ng/ul
RT: 10.99 min Scan# 1388
Delta R.T. -0.02 min
Lab File: BG023635.D
Acq: 11 Aug 2016 23:27

Instrument :
BNA_G
ClientSampleId :
PR001-SS003-1218-01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	209374		
129	11.1		9.4	14.2
127	14.1		11.2	16.8

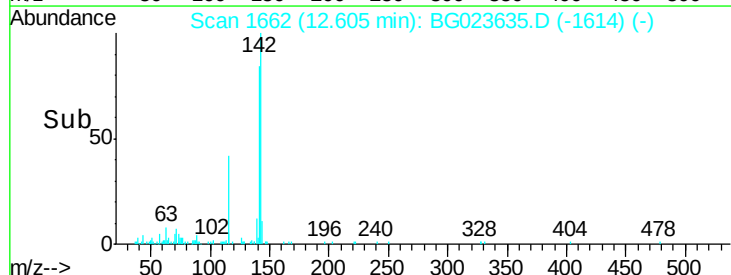
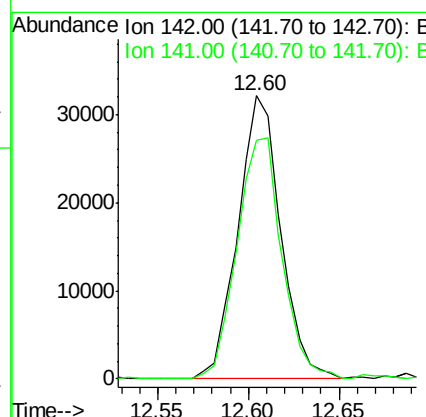
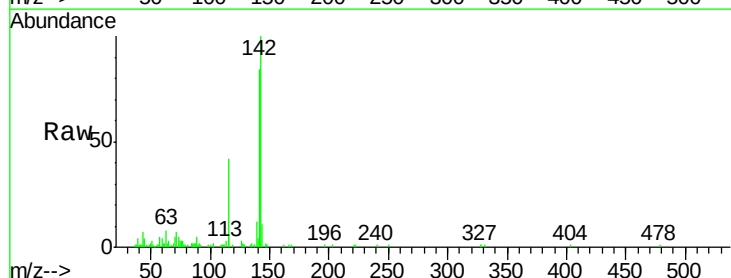
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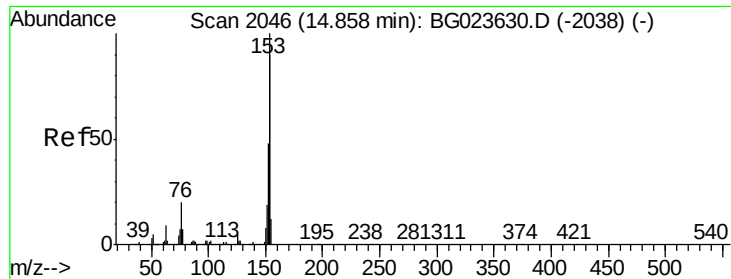
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#34
2-Methylnaphthalene
Concen: 1.77 ng/ul
RT: 12.60 min Scan# 1662
Delta R.T. -0.02 min
Lab File: BG023635.D
Acq: 11 Aug 2016 23:27

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	52687		
141	84.2		75.2	112.8





#49

Acenaphthene

Concen: 3.76 ng/ul

RT: 14.85 min Scan# 2044

Delta R.T. -0.01 min

Lab File: BG023635.D

Acq: 11 Aug 2016 23:27

Instrument :

BNA_G

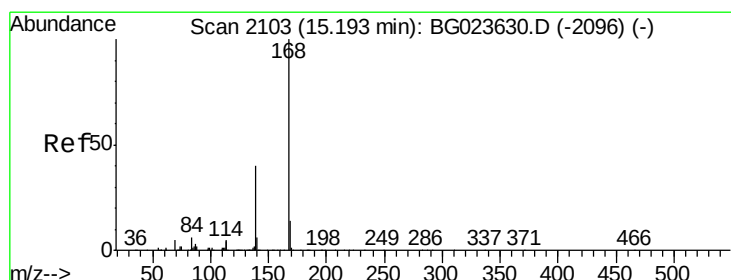
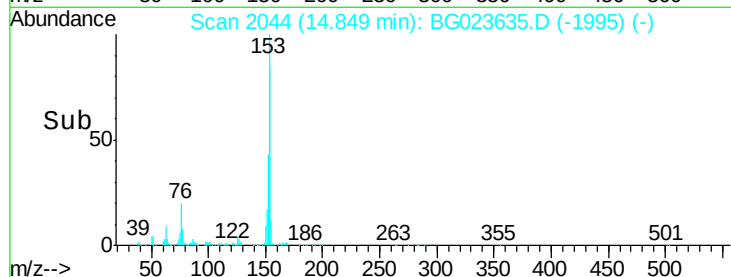
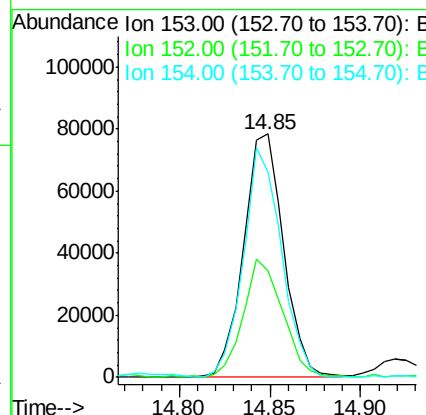
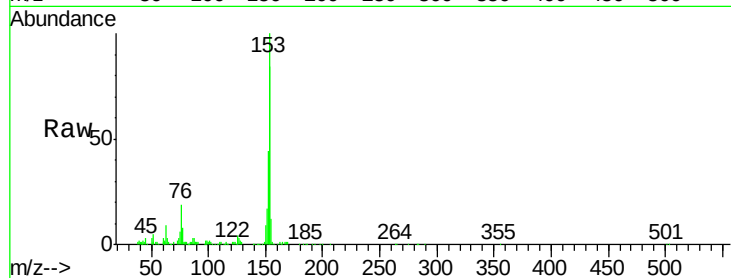
ClientSampleId :

PR001-SS003-1218-01

Tgt Ion:	153	Resp:	120339
Ion Ratio	Lower	Upper	
153	100		
152	43.8	37.3	55.9
154	84.4	68.2	102.2

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#53

Dibenzofuran

Concen: 2.57 ng/ul

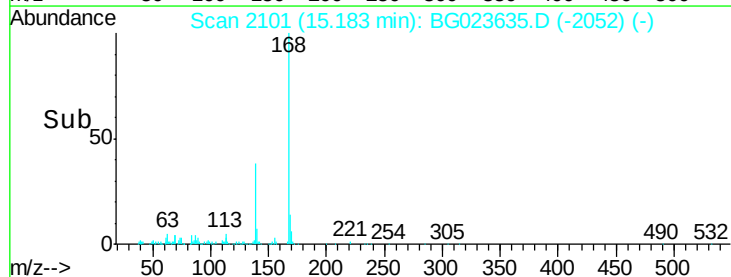
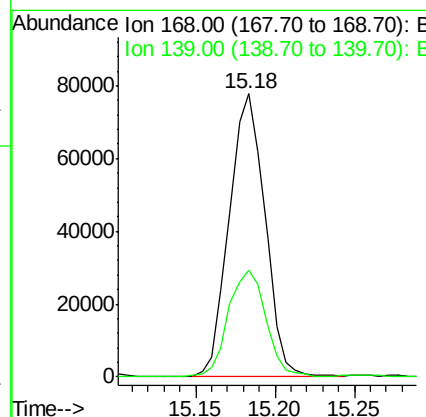
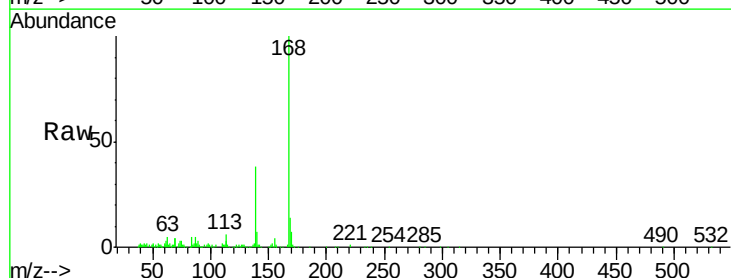
RT: 15.18 min Scan# 2101

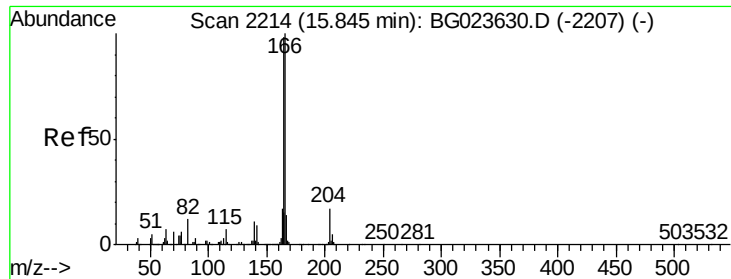
Delta R.T. -0.01 min

Lab File: BG023635.D

Acq: 11 Aug 2016 23:27

Tgt Ion:	168	Resp:	121887
Ion Ratio	Lower	Upper	
168	100		
139	37.7	27.4	41.0





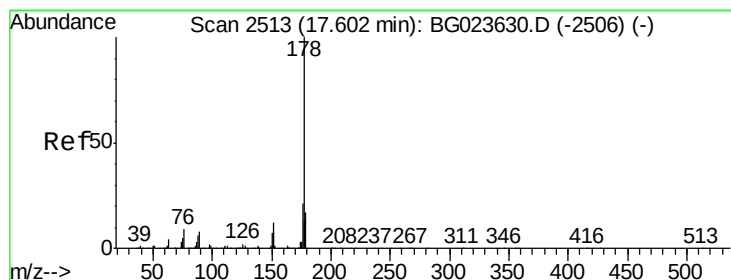
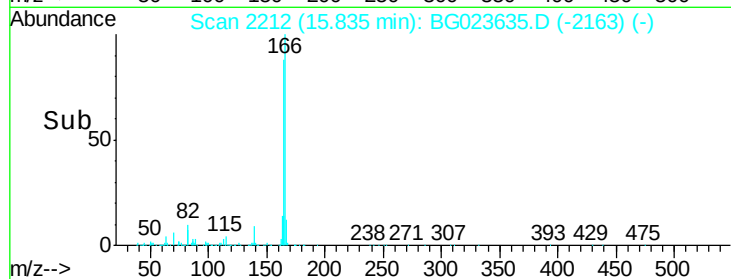
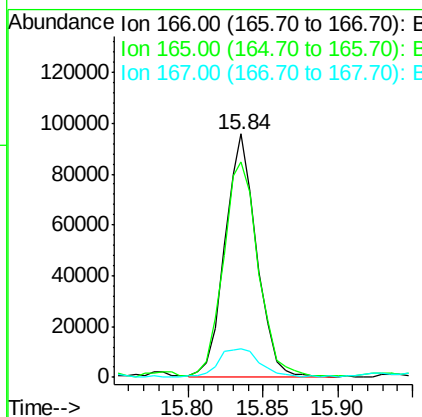
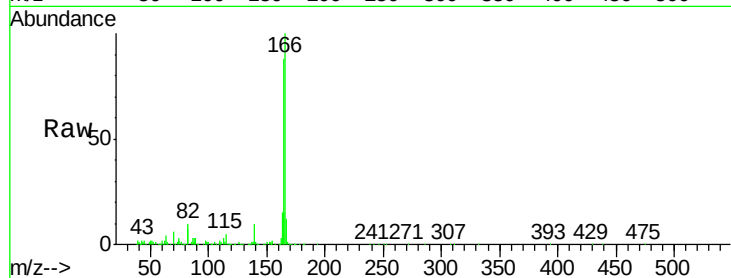
#58
Fluorene
Concen: 3.61 ng/ul
RT: 15.84 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BG023635.D
Acq: 11 Aug 2016 23:27

Instrument :
BNA_G
ClientSampleId :
PR001-SS003-1218-01

Tgt Ion	Ratio	Lower	Upper
166	100		
165	88.2	80.3	120.5
167	12.0	10.3	15.5

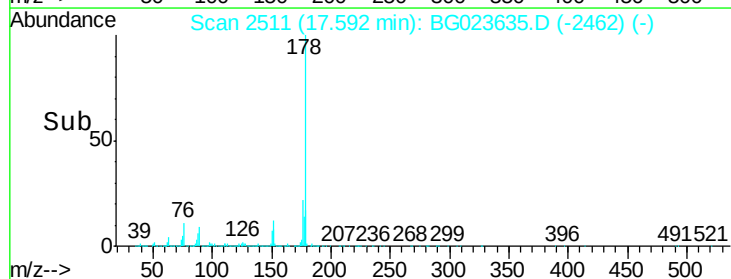
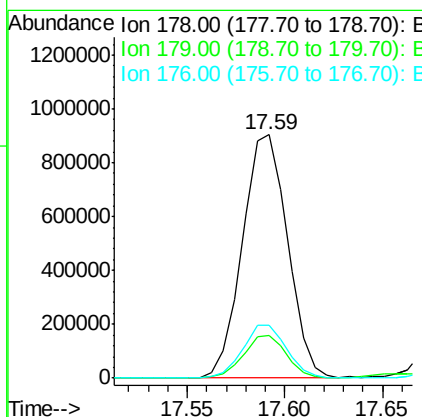
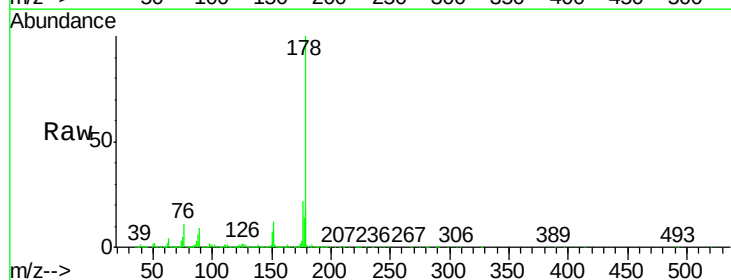
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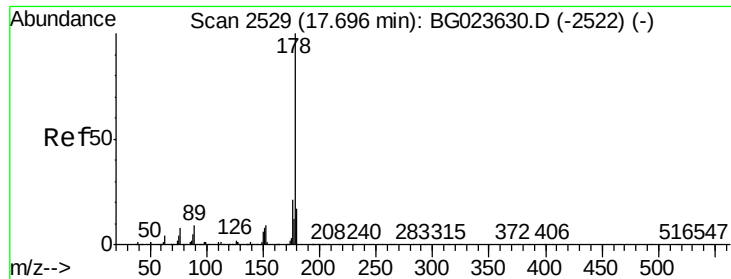
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#69
Phenanthrene
Concen: 25.74 ng/ul
RT: 17.59 min Scan# 2511
Delta R.T. -0.01 min
Lab File: BG023635.D
Acq: 11 Aug 2016 23:27

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.4	12.9	19.3
176	21.7	15.8	23.8





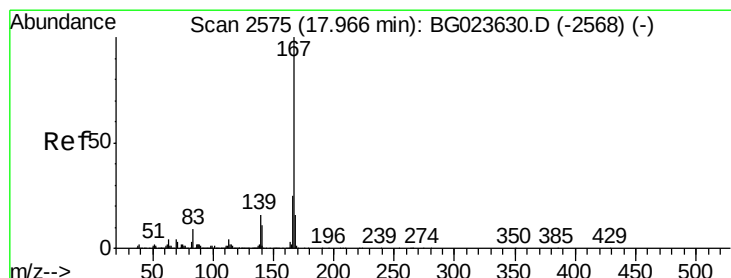
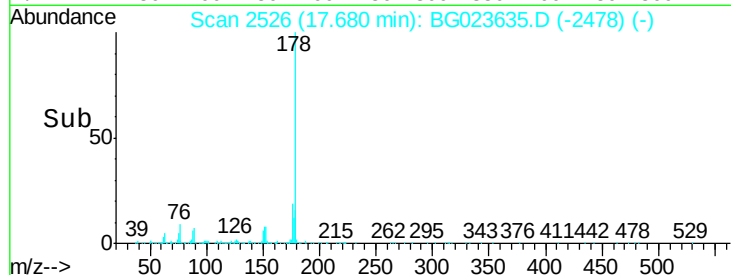
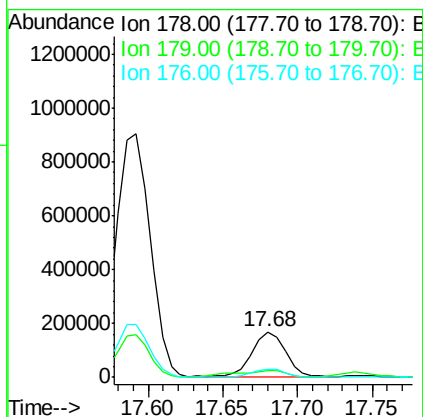
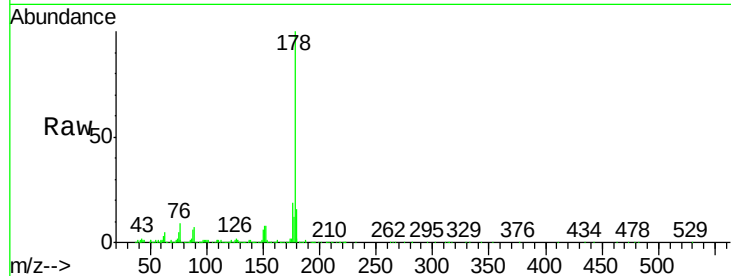
#71
 Anthracene
 Concen: 4.64 ng/ul
 RT: 17.68 min Scan# 2526
 Delta R.T. -0.02 min
 Lab File: BG023635.D
 Acq: 11 Aug 2016 23:27

Instrument :
 BNA_G
 ClientSampleId :
 PR001-SS003-1218-01

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.3	18.5
176	18.8	16.3	24.5

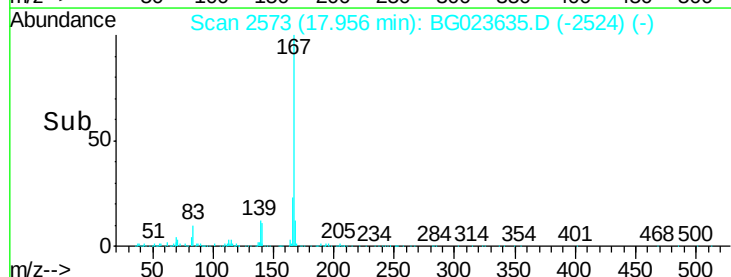
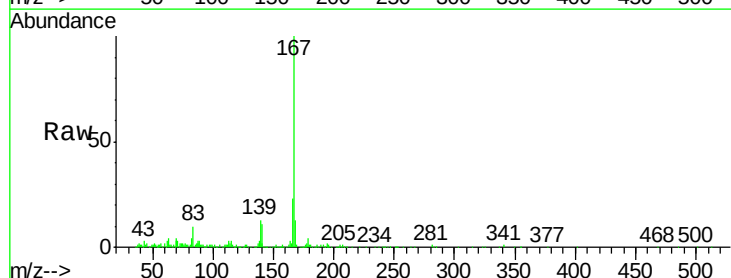
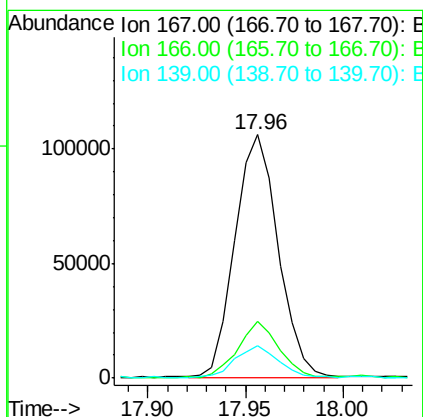
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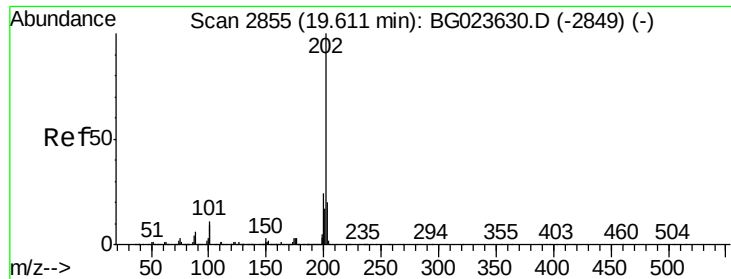
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#72
 Carbazole
 Concen: 3.55 ng/ul
 RT: 17.96 min Scan# 2573
 Delta R.T. -0.01 min
 Lab File: BG023635.D
 Acq: 11 Aug 2016 23:27

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.4	19.2	28.8
139	13.3	10.2	15.4





#74

Fluoranthene

Concen: 27.92 ng/ul m

RT: 19.61 min Scan# 2854

Delta R.T. -0.00 min

Lab File: BG023635.D

Acq: 11 Aug 2016 23:27

Instrument :

BNA_G

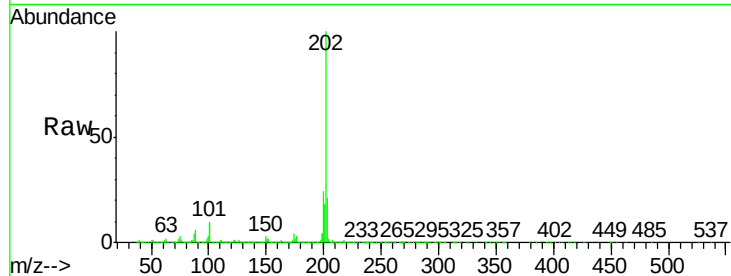
ClientSampleId :

PR001-SS003-1218-01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	10.6	16.0#
100	8.9	8.7	13.1

Manual Integrations
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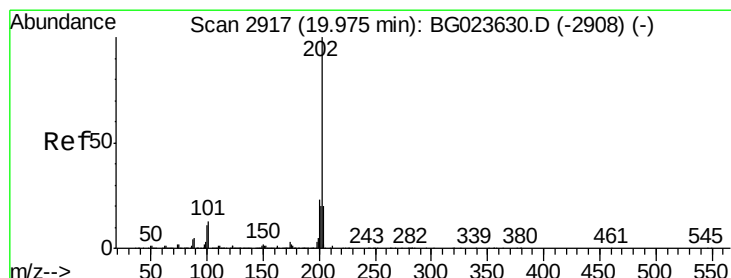
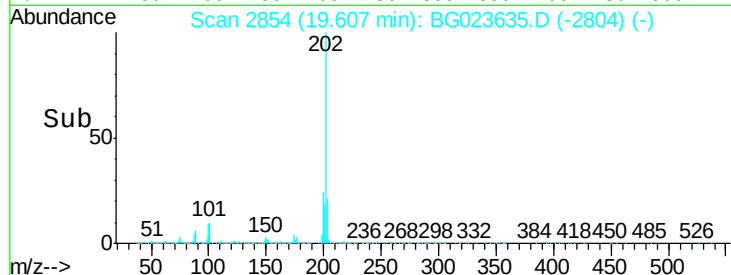
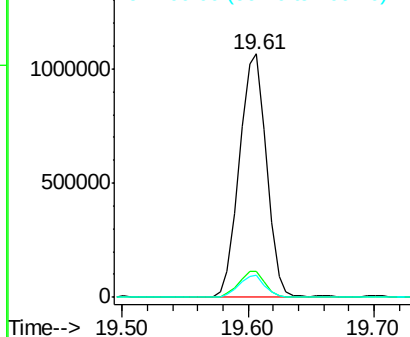
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 21.04 ng/ul

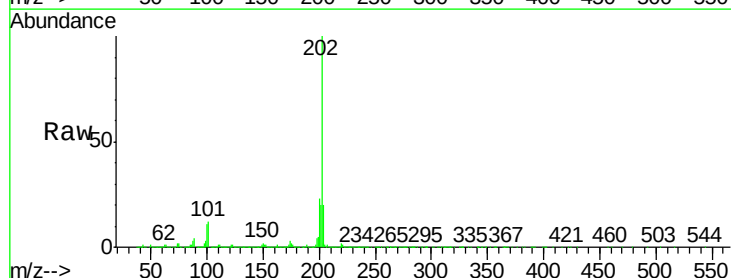
RT: 19.97 min Scan# 2916

Delta R.T. -0.00 min

Lab File: BG023635.D

Acq: 11 Aug 2016 23:27

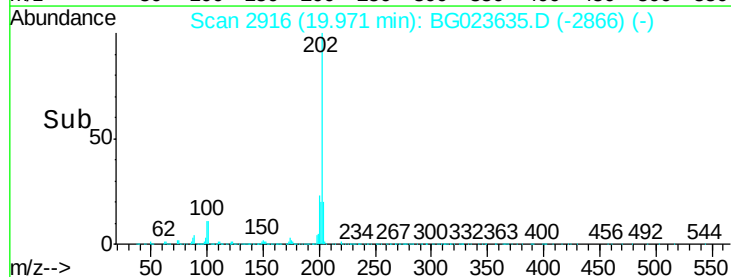
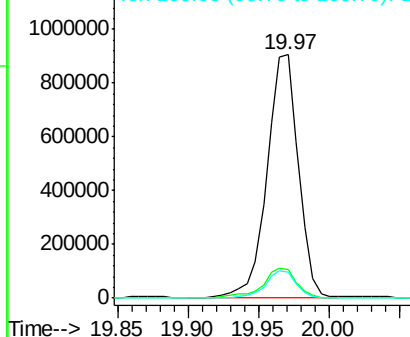
Tgt Ion	Ratio	Lower	Upper
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101	11.6	12.5	18.7#
100	10.6	10.2	15.4

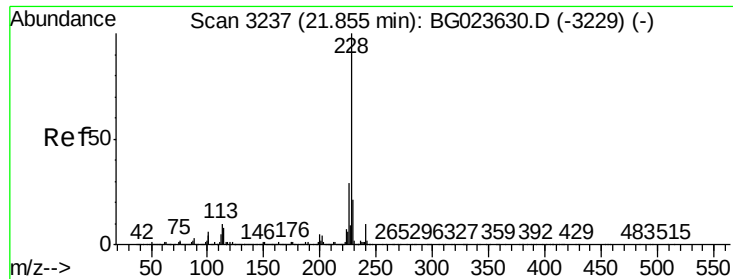


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





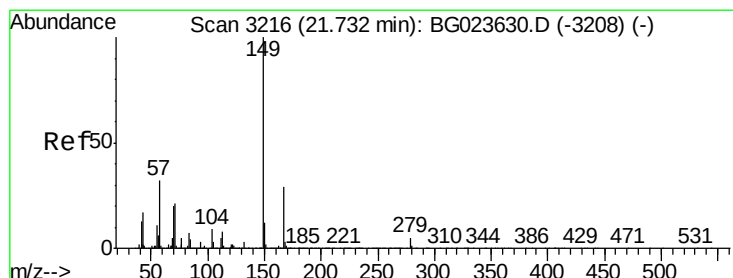
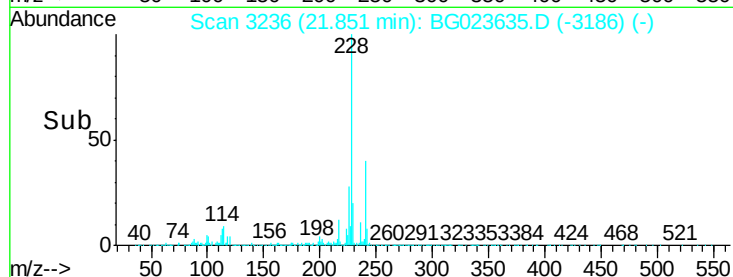
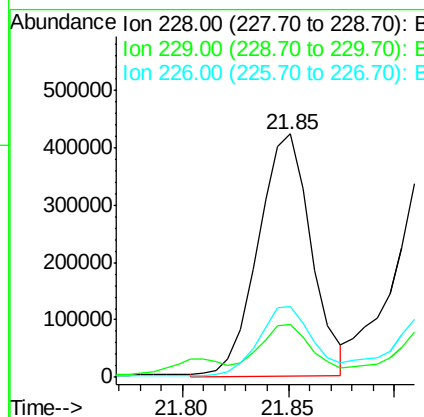
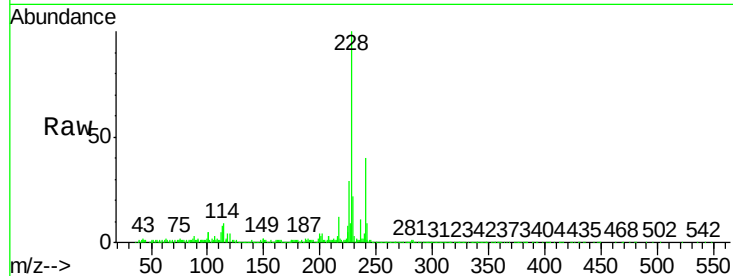
#80
Benzo(a)anthracene
Concen: 12.12 ng/ul
RT: 21.85 min Scan# 3236
Delta R.T. -0.00 min
Lab File: BG023635.D
Acq: 11 Aug 2016 23:27

Instrument :
BNA_G
ClientSampleId :
PR001-SS003-1218-01

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	739550		
229	21.9	15.4	23.2	
226	28.8	22.8	34.2	

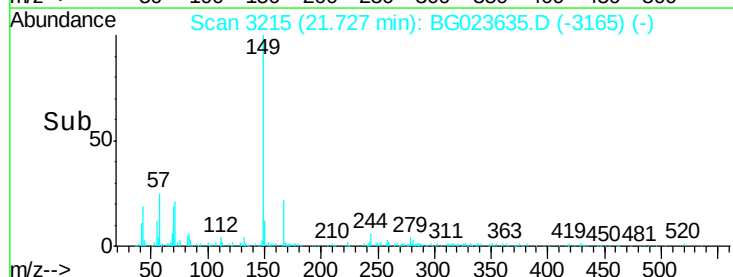
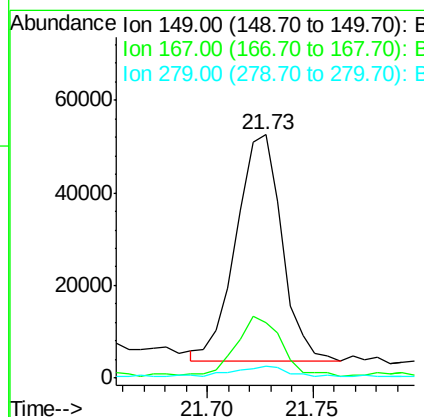
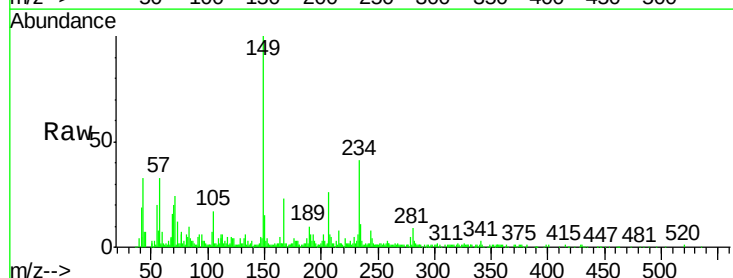
Manual Integrations
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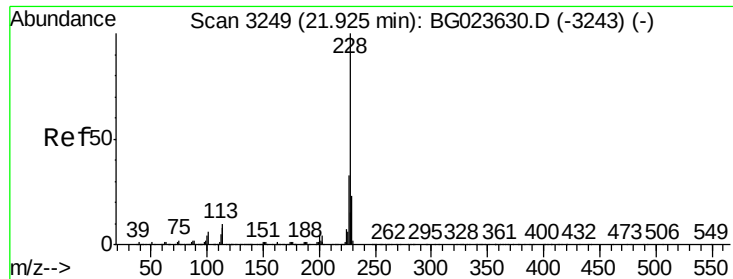
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#81
Bis(2-ethylhexyl)phthalate
Concen: 2.15 ng/ul
RT: 21.73 min Scan# 3215
Delta R.T. -0.00 min
Lab File: BG023635.D
Acq: 11 Aug 2016 23:27

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	73323		
167	22.8	21.9	32.9	
279	4.8	2.9	4.3#	





#82

Chrysene

Concen: 13.63 ng/ul

RT: 21.92 min Scan# 3247

Delta R.T. -0.01 min

Lab File: BG023635.D

Acq: 11 Aug 2016 23:27

Instrument :

BNA_G

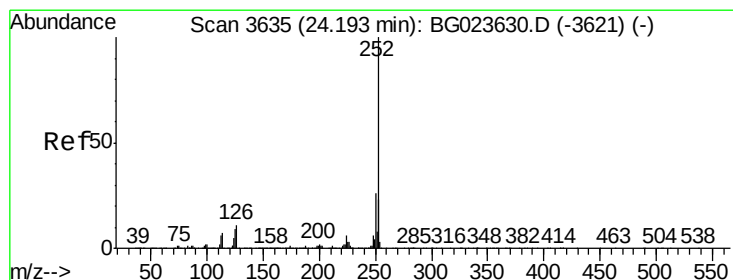
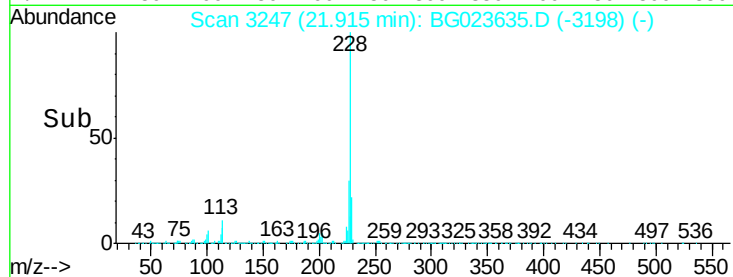
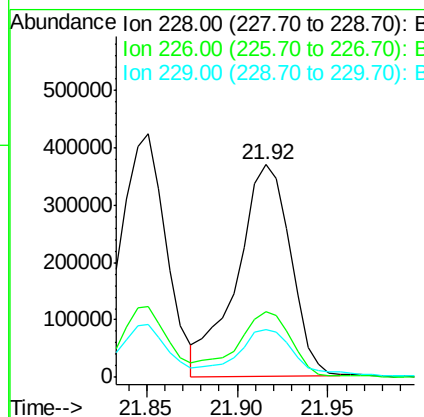
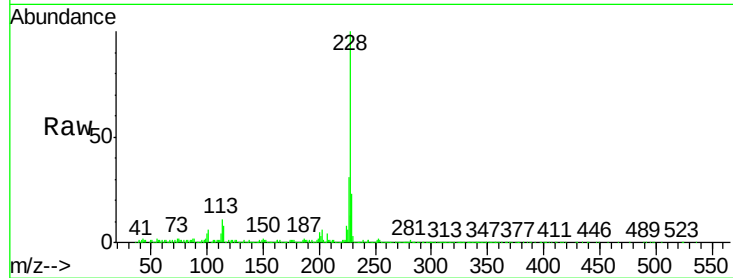
ClientSampleId :

PR001-SS003-1218-01

Tgt Ion:	228	Resp:	756288
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.2	36.4
229	22.5	15.0	22.6

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#85

Benzo(b)fluoranthene

Concen: 13.39 ng/ul

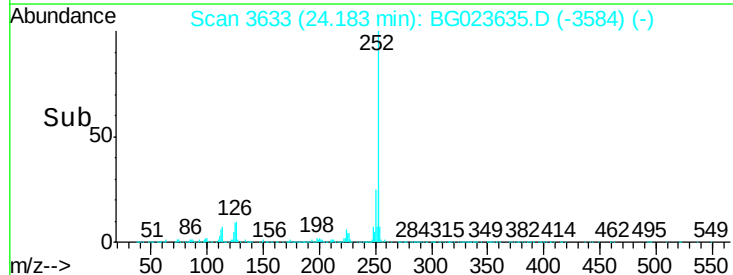
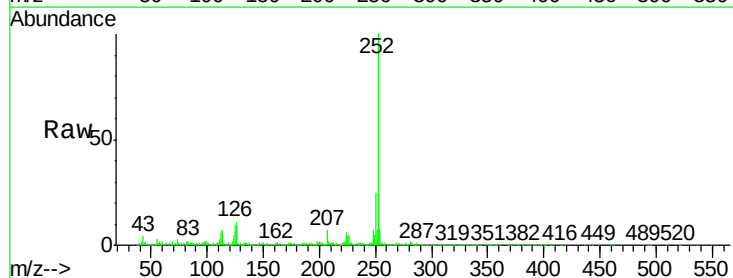
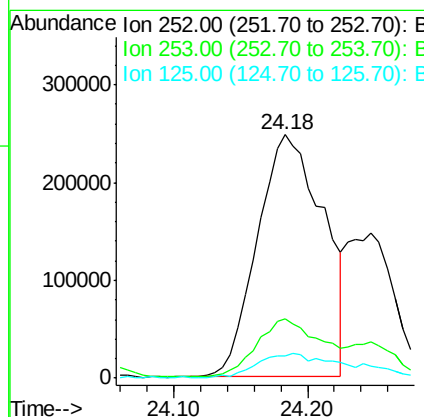
RT: 24.18 min Scan# 3633

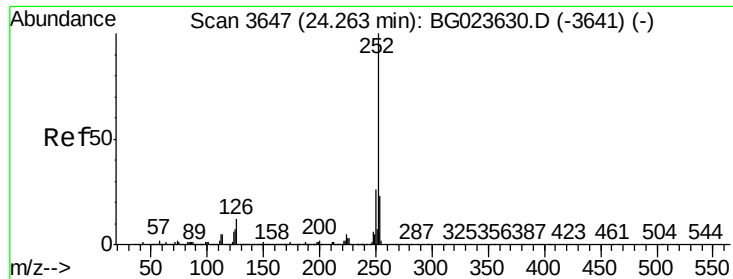
Delta R.T. -0.01 min

Lab File: BG023635.D

Acq: 11 Aug 2016 23:27

Tgt Ion:	252	Resp:	850543
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.2	27.2
125	9.2	10.8	16.2#





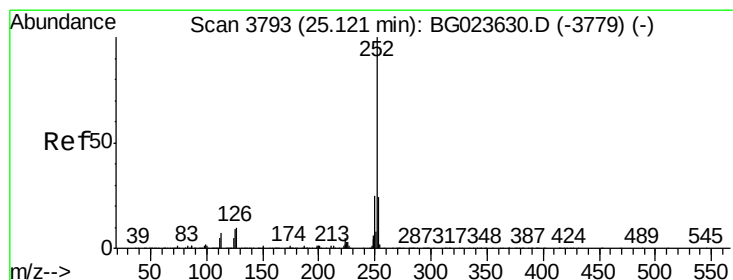
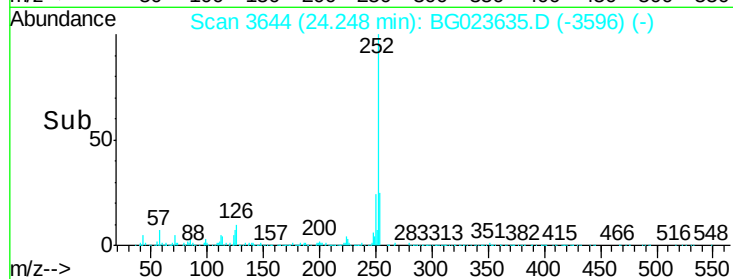
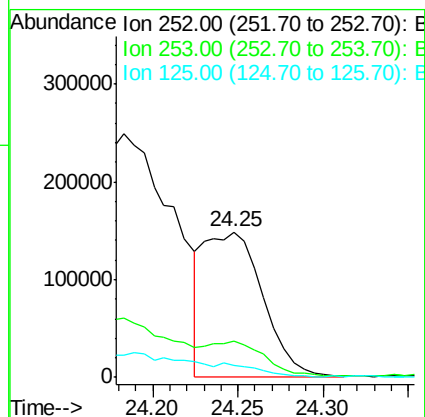
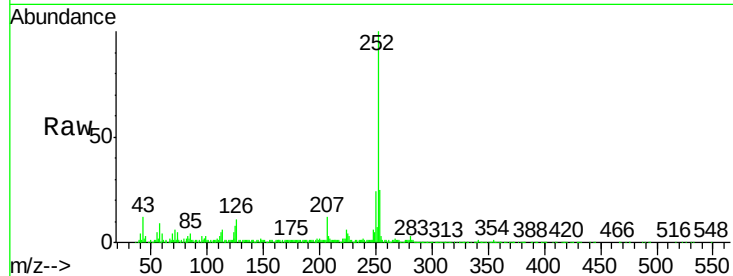
#86
Benzo(k)fluoranthene
Concen: 5.72 ng/ul m
RT: 24.25 min Scan# 3644
Delta R.T. -0.02 min
Lab File: BG023635.D
Acq: 11 Aug 2016 23:27

Instrument :
BNA_G
ClientSampleId :
PR001-SS003-1218-01

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	25.2	15.8	23.6#
125	8.0	10.6	16.0#

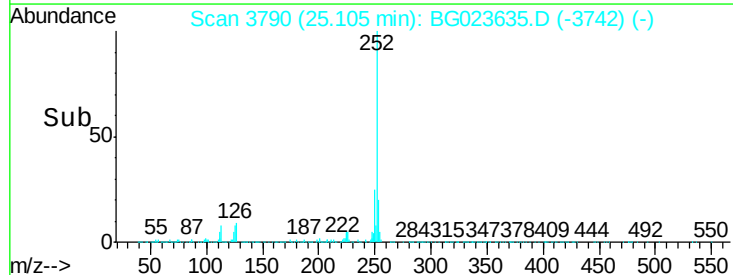
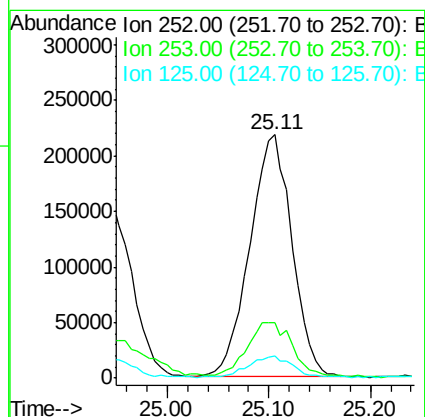
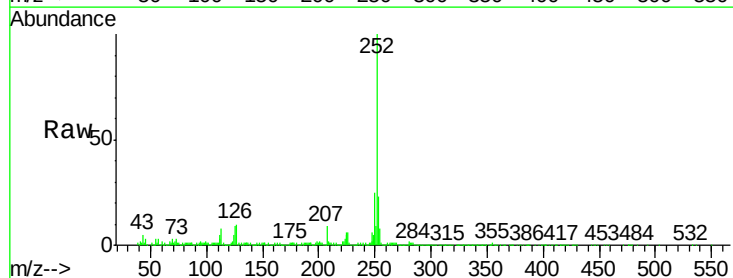
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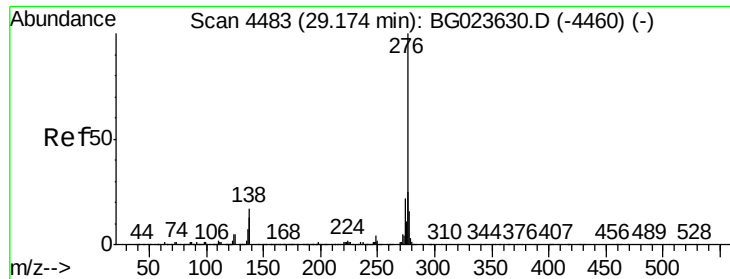
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#88
Benzo(a)pyrene
Concen: 10.21 ng/ul
RT: 25.11 min Scan# 3790
Delta R.T. -0.02 min
Lab File: BG023635.D
Acq: 11 Aug 2016 23:27

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.9	19.0	28.4
125	9.0	12.0	18.0#





#89

Indeno(1,2,3-cd)pyrene

Concen: 5.74 ng/ul

RT: 29.15 min Scan# 4478

Delta R.T. -0.03 min

Lab File: BG023635.D

Acq: 11 Aug 2016 23:27

Instrument :

BNA_G

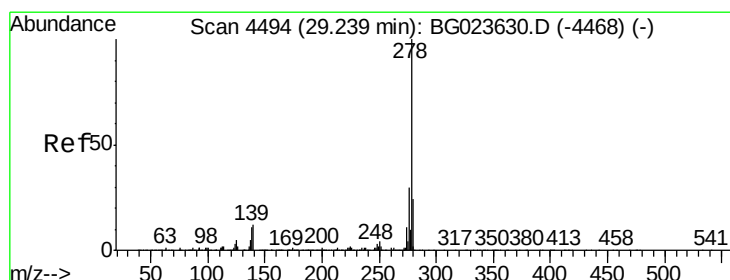
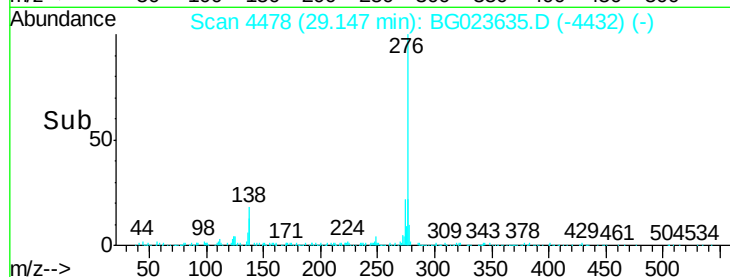
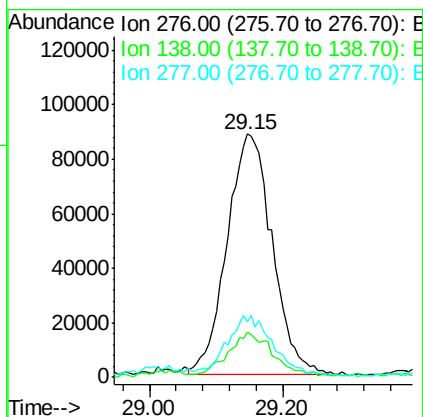
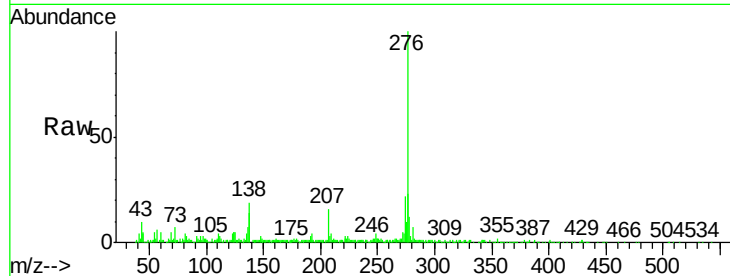
ClientSampleId :

PR001-SS003-1218-01

Tgt Ion:	276	Resp:	413962
Ion Ratio	Lower	Upper	
276	100		
138	18.7	20.8	31.2#
277	23.0	17.6	26.4

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#90

Dibenzo(a,h)anthracene

Concen: 2.07 ng/ul m

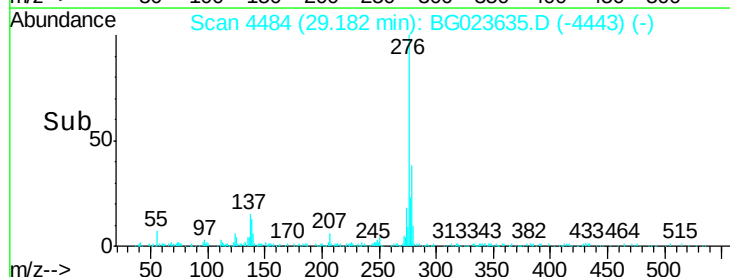
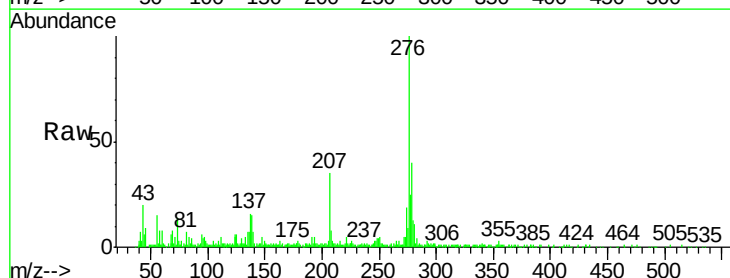
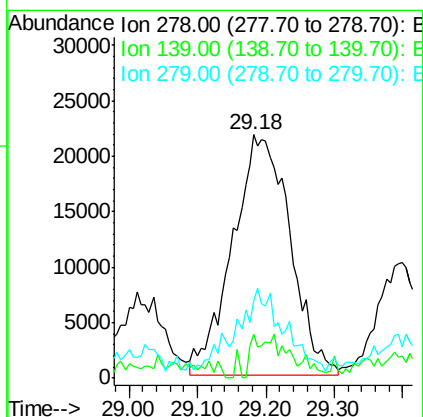
RT: 29.18 min Scan# 4484

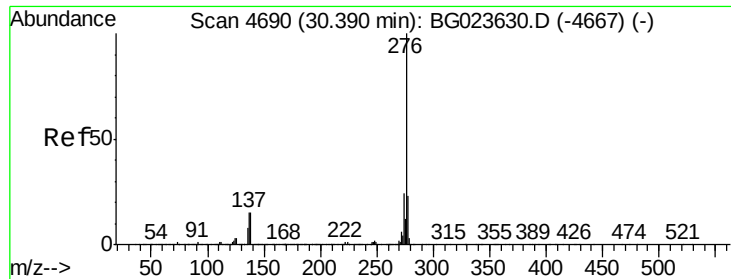
Delta R.T. -0.06 min

Lab File: BG023635.D

Acq: 11 Aug 2016 23:27

Tgt Ion:	278	Resp:	126977
Ion Ratio	Lower	Upper	
278	100		
139	18.1	16.3	24.5
279	31.8	19.1	28.7#





#91

Benzo(g,h,i)perylene

Concen: 6.12 ng/ul m

RT: 30.37 min Scan# 4687

Delta R.T. -0.02 min

Lab File: BG023635.D

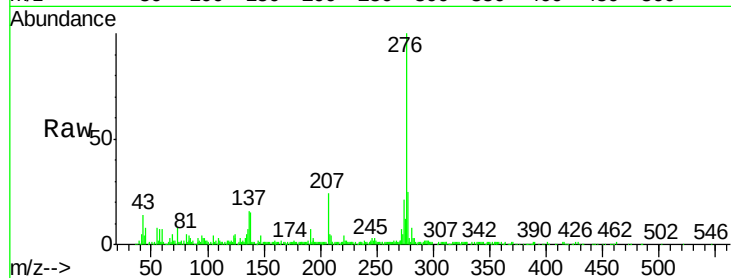
Acq: 11 Aug 2016 23:27

Instrument :

BNA_G

ClientSampleId :

PR001-SS003-1218-01



Tgt	Ion	Ratio	Lower	Upper
276	100			
138	15.3	22.1	33.1#	
277	24.6	17.0	25.4	

Manual Integrations
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