

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
 Data File : BG023700.D
 Acq On : 13 Aug 2016 22:53
 Operator : UM/SJ
 Sample : H4385-09
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P002-SS003-0612-01

Manual Integrations
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Quant Time: Aug 15 19:50:40 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 13 06:38:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	119318	20.00	ng/ul	0.00
18) Naphthalene-d8	10.95	136	529156	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	335738	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.55	188	676461	20.00	ng/ul	0.00
75) Chrysene-d12	21.88	240	733376	20.00	ng/ul	0.00
83) Perylene-d12	25.29	264	736553	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	8569	3.05	ng/uL	0.00
5) Phenol-d5	7.27	99	275884	22.95	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.43	67	174799	22.70	ng/ul	0.00
9) 2-Chlorophenol-d4	7.64	132	191009	23.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.82	113	221181	23.57	ng/ul	0.00
19) Nitrobenzene-d5	9.29	128	107481m	25.77	ng/ul	0.00
22) 2-Nitrophenol-d4	10.02	143	126909	26.49	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.57	165	240363	26.60	ng/ul	0.00
29) 4-Chloroaniline-d4	11.09	131	221952	20.94	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	816300	29.70	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	957719	30.96	ng/ul	0.00
51) 4-Nitrophenol-d4	15.00	143	122822	26.17	ng/ul	0.00
57) Fluorene-d10	15.79	176	730588	28.76	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.91	200	118225	27.24	ng/ul	0.00
70) Anthracene-d10	17.65	188	1052511	34.53	ng/ul	0.00
76) Pyrene-d10	19.94	212	1163072	31.33	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.06	264	1193391	35.80	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	11.00	128	32415	1.21	ng/ul	98
34) 2-Methylnaphthalene	12.61	142	95399	4.38	ng/ul	97
44) Dimethylphthalate	14.22	163	399029	14.66	ng/ul	98
47) Acenaphthylene	14.51	152	284537	8.79	ng/ul#	95
49) Acenaphthene	14.85	153	40346	1.83	ng/ul#	88
58) Fluorene	15.84	166	171426	6.30	ng/ul#	96
69) Phenanthrene	17.60	178	2072158m	59.15	ng/ul	
71) Anthracene	17.69	178	238314	6.67	ng/ul	97
74) Fluoranthene	19.62	202	2203885	61.45	ng/ul	94
77) Pyrene	19.98	202	2878817	63.50	ng/ul	99
80) Benzo(a)anthracene	21.86	228	1547648	37.47	ng/ul#	90
81) Bis(2-ethylhexyl)phthalate	21.73	149	78771	3.41	ng/ul#	98
82) Chrysene	21.93	228	1759241	46.85	ng/ul#	90
85) Benzo(b)fluoranthene	24.20	252	1602294m	38.25	ng/ul	
86) Benzo(k)fluoranthene	24.27	252	503146m	12.20	ng/ul	
88) Benzo(a)pyrene	25.13	252	1333630m	32.97	ng/ul	
89) Indeno(1,2,3-cd)pyrene	29.19	276	765812	16.11	ng/ul#	84
90) Dibenzo(a,h)anthracene	29.25	278	239886m	5.92	ng/ul	
91) Benzo(g,h,i)perylene	30.43	276	758712m	19.25	ng/ul	

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

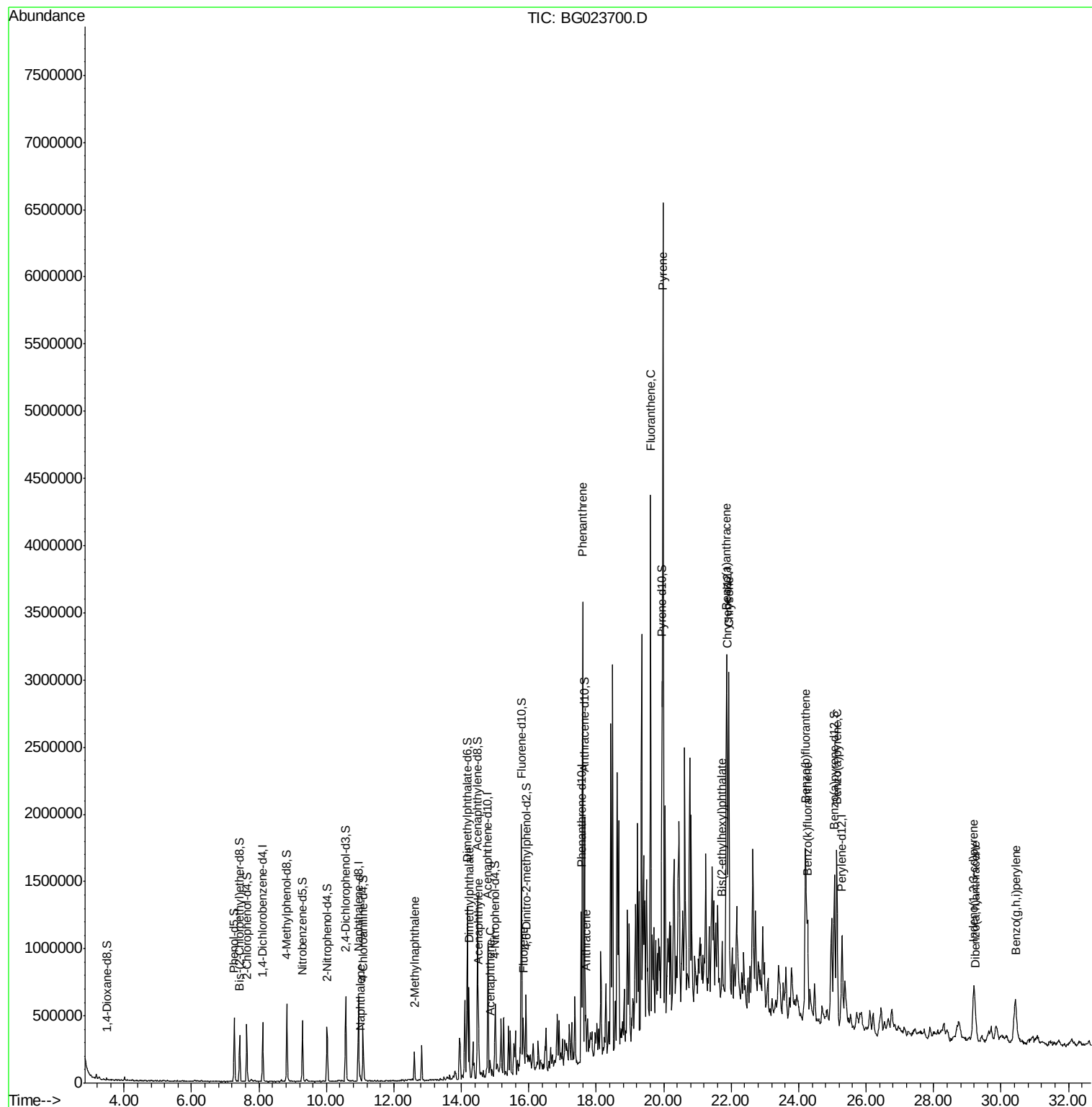
Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023700.D
Acq On : 13 Aug 2016 22:53
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Sample : H4385-09
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ALS Vial : 19 Sample Multiplier: 1

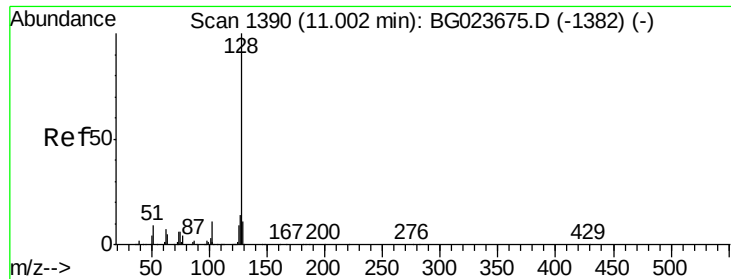
Instrument :
BNA_G
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P002-SS003-0612-01

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Quant Title : SVOA CALIBRATION
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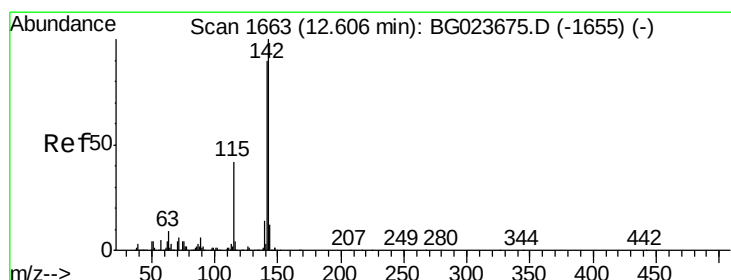
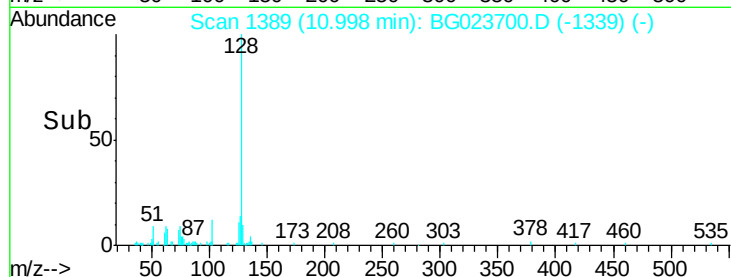
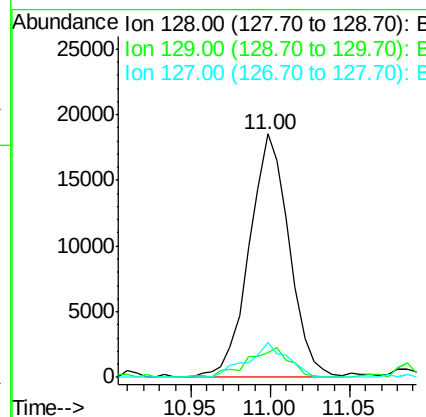
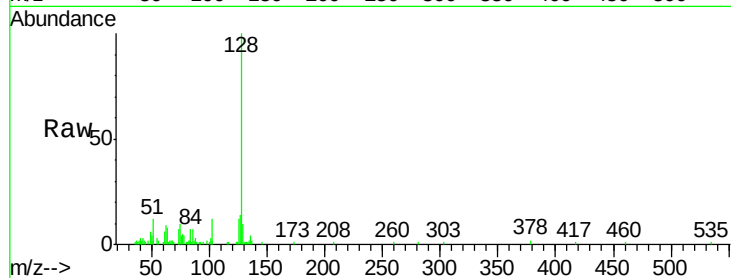
#28
Naphthalene
Concen: 1.21 ng/ul
RT: 11.00 min Scan# 1389
Delta R.T. -0.00 min
Lab File: BG023700.D
Acq: 13 Aug 2016 22:53

Instrument :
BNA_G
ClientSampleId :
P002-SS003-0612-01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	32415		
129	9.9		9.4	14.2
127	14.2		11.2	16.8

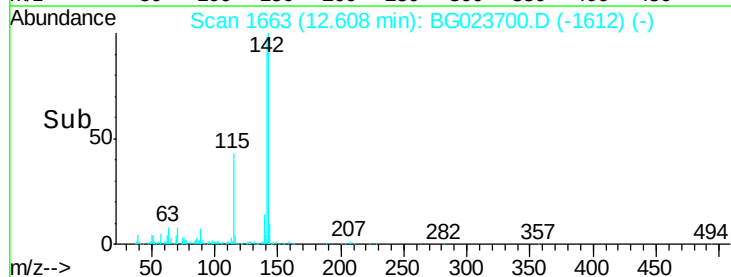
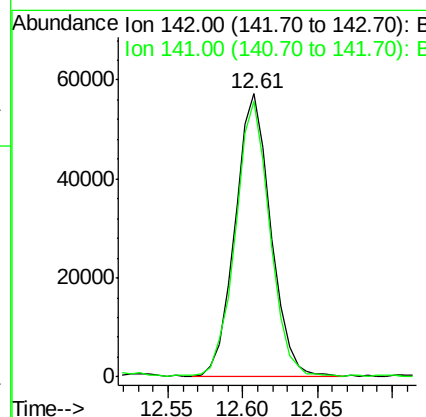
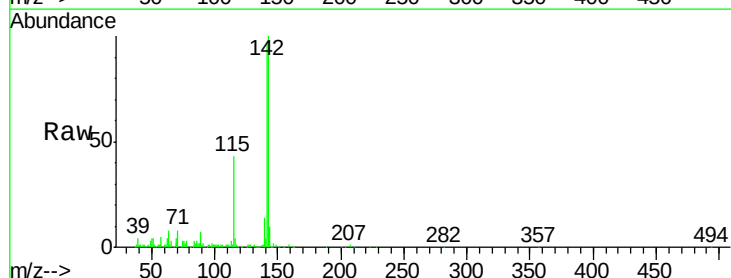
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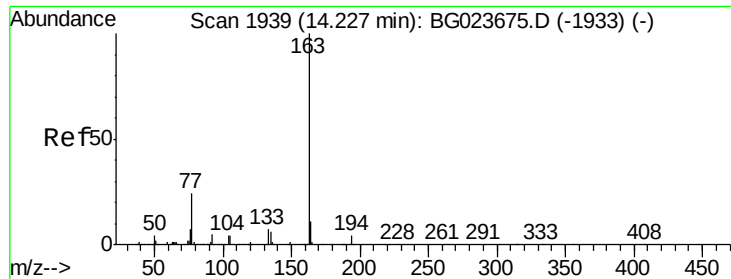
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#34
2-Methylnaphthalene
Concen: 4.38 ng/ul
RT: 12.61 min Scan# 1663
Delta R.T. 0.00 min
Lab File: BG023700.D
Acq: 13 Aug 2016 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	95399		
141	97.2		75.2	112.8





#44

Dimethylphthalate

Concen: 14.66 ng/ul

RT: 14.22 min Scan# 1938

Delta R.T. -0.00 min

Lab File: BG023700.D

Acq: 13 Aug 2016 22:53

Instrument :

BNA_G

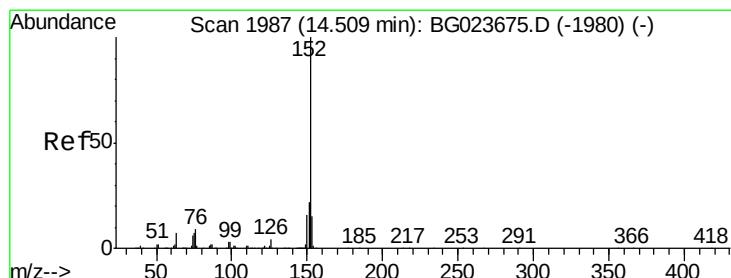
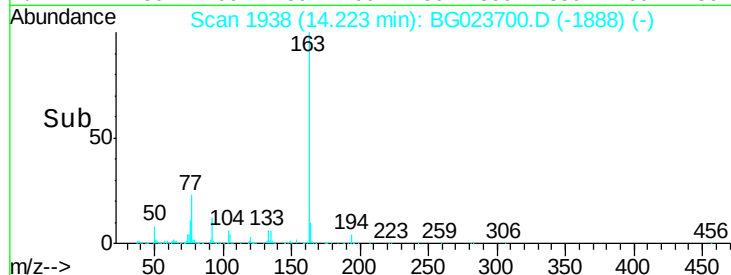
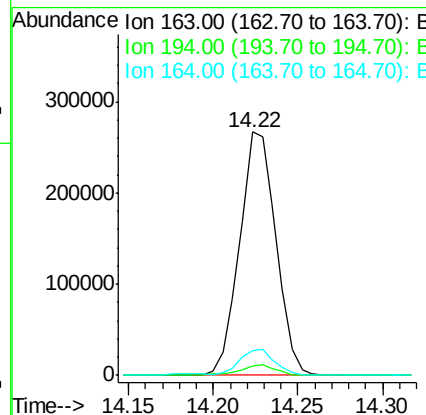
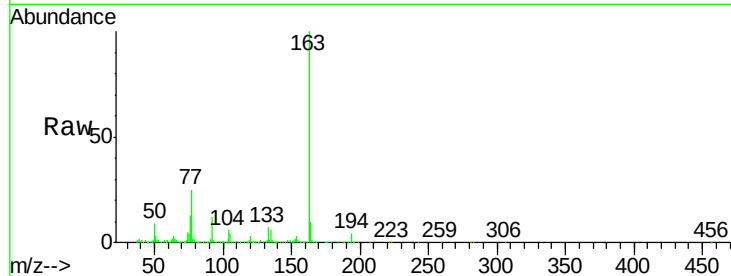
ClientSampleId :

P002-SS003-0612-01

Tot Ion:	163	Resp:	399029
Ion Ratio	Lower	Upper	
163	100		
194	3.6	3.4	5.2
164	10.1	8.8	13.2

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#47

Acenaphthylene

Concen: 8.79 ng/ul

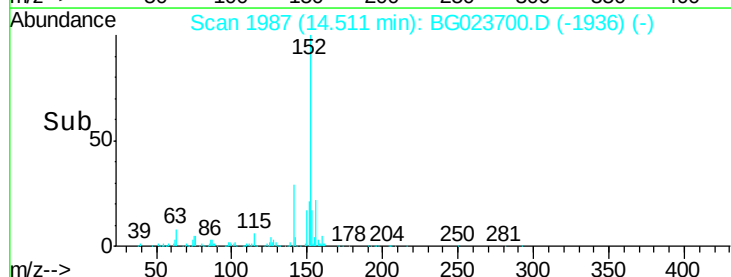
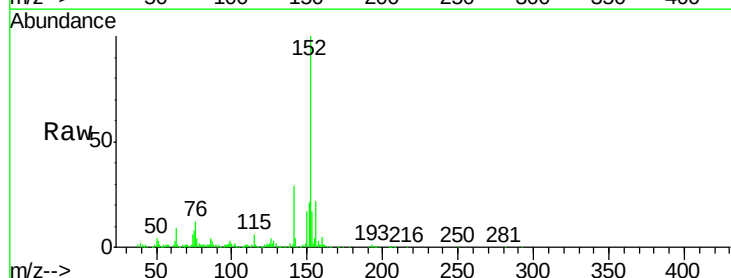
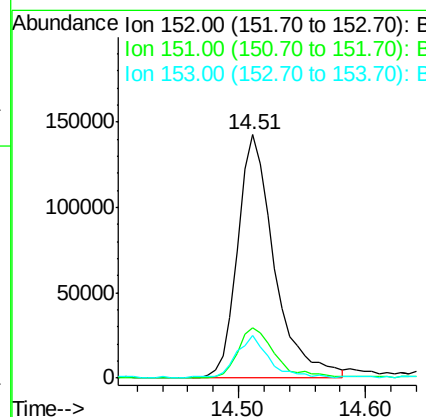
RT: 14.51 min Scan# 1987

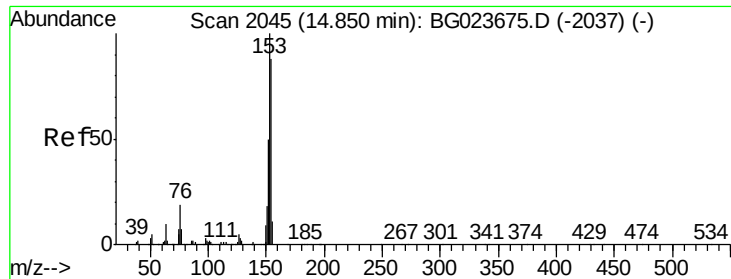
Delta R.T. 0.00 min

Lab File: BG023700.D

Acq: 13 Aug 2016 22:53

Tgt Ion:	152	Resp:	284537
Ion Ratio	Lower	Upper	
152	100		
151	20.8	17.5	26.3
153	17.4	11.1	16.7#





#49

Acenaphthene

Concen: 1.83 ng/ul

RT: 14.85 min Scan# 2045

Delta R.T. 0.00 min

Lab File: BG023700.D

Acq: 13 Aug 2016 22:53

Instrument :

BNA_G

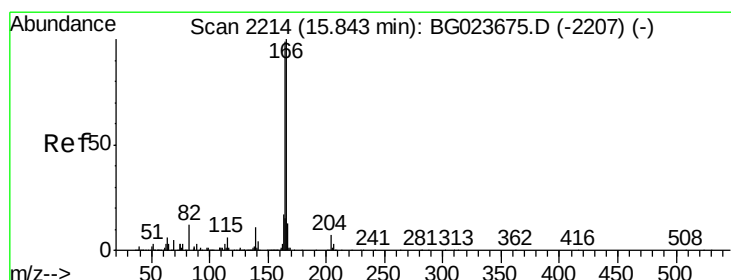
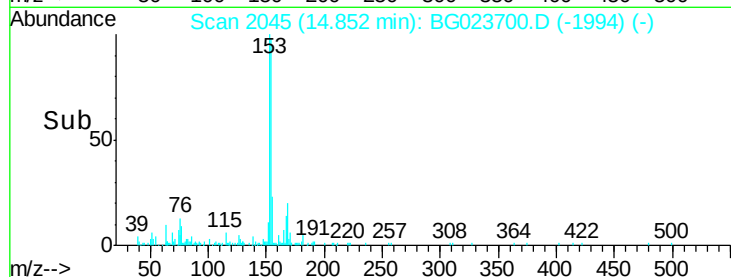
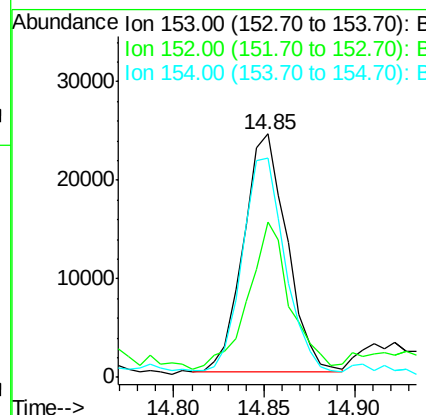
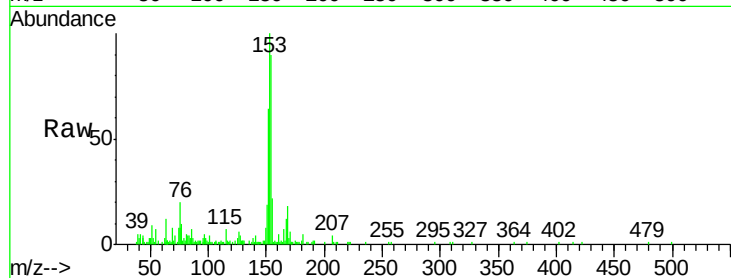
ClientSampleId :

P002-SS003-0612-01

Tot Ion:	153	Resp:	40346
Ion Ratio	Lower	Upper	
153	100		
152	63.8	37.3	55.9#
154	89.9	68.2	102.2

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#58

Fluorene

Concen: 6.30 ng/ul

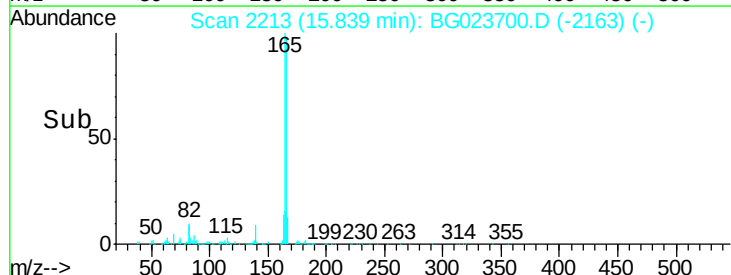
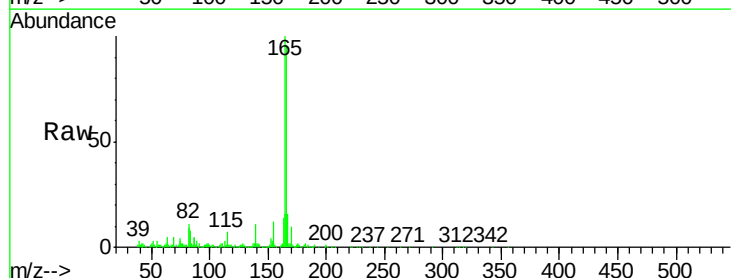
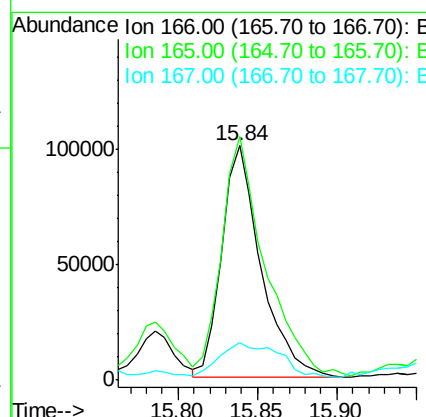
RT: 15.84 min Scan# 2213

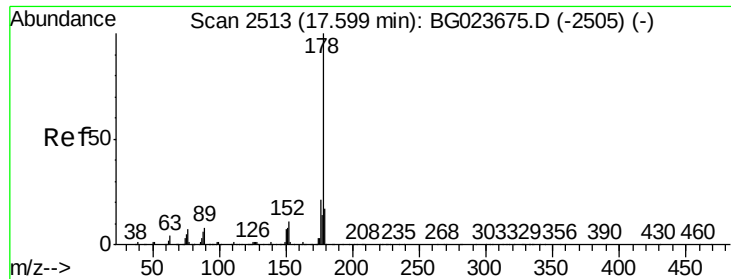
Delta R.T. -0.00 min

Lab File: BG023700.D

Acq: 13 Aug 2016 22:53

Tgt Ion:	166	Resp:	171426
Ion Ratio	Lower	Upper	
166	100		
165	103.9	80.3	120.5
167	16.2	10.3	15.5#





#69

Phenanthrene

Concen: 59.15 ng/ul m

RT: 17.60 min Scan# 2512

Delta R.T. -0.00 min

Lab File: BG023700.D

Acq: 13 Aug 2016 22:53

Instrument :

BNA_G

ClientSampleId :

P002-SS003-0612-01

Tot Ion:178 Resp: 2072158

Ion Ratio Lower Upper

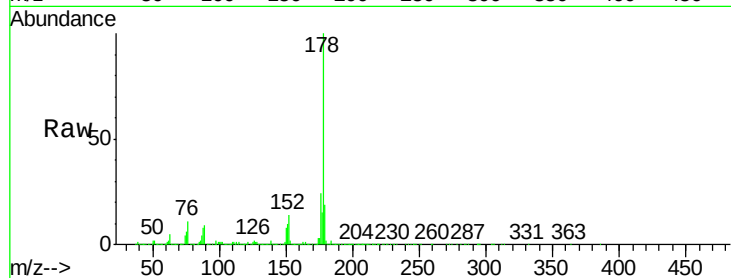
178 100

179 19.0 12.9 19.3

176 23.9 15.8 23.8#

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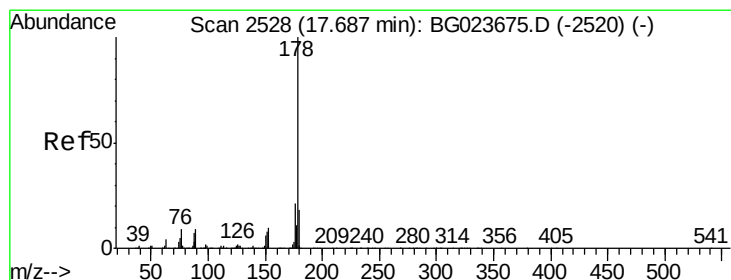
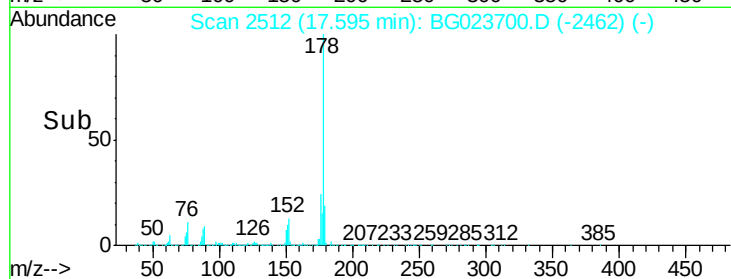
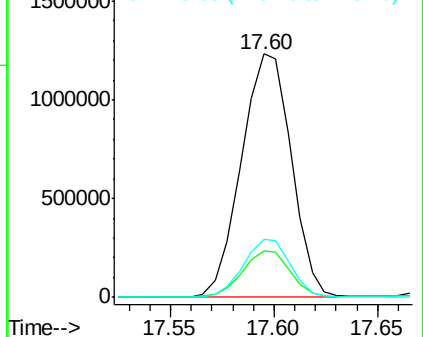
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 6.67 ng/ul

RT: 17.69 min Scan# 2528

Delta R.T. 0.00 min

Lab File: BG023700.D

Acq: 13 Aug 2016 22:53

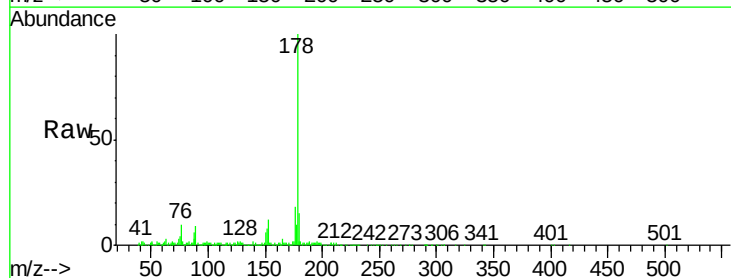
Tgt Ion:178 Resp: 238314

Ion Ratio Lower Upper

178 100

179 15.2 12.3 18.5

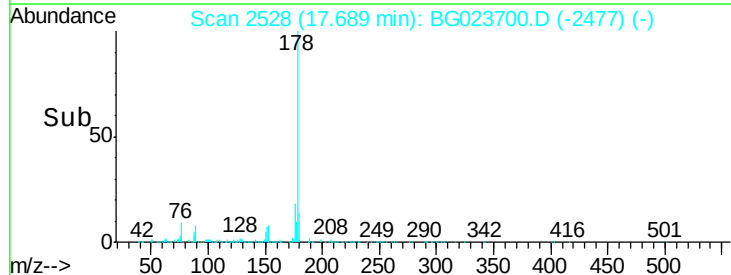
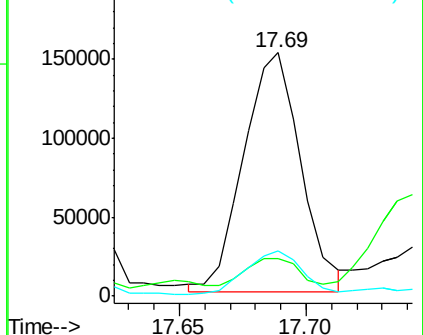
176 18.4 16.3 24.5

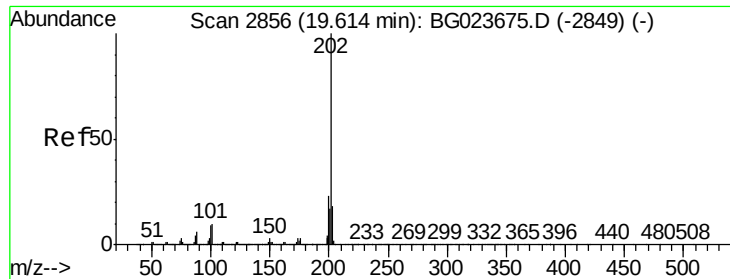


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





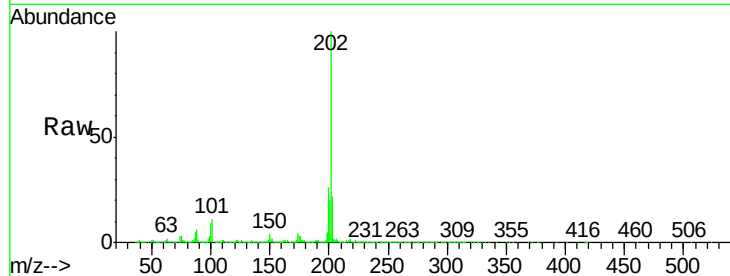
#74
Fluoranthene
Concen: 61.45 ng/ul
RT: 19.62 min Scan# 2856
Delta R.T. 0.00 min
Lab File: BG023700.D
Acq: 13 Aug 2016 22:53

Instrument :
BNA_G
ClientSampleId :
P002-SS003-0612-01

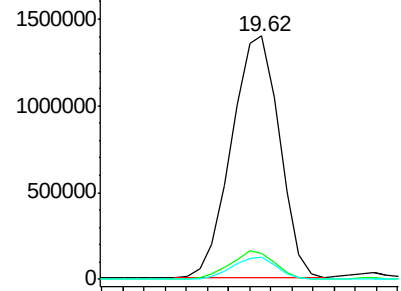
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.9	10.6	16.0
100	8.9	8.7	13.1

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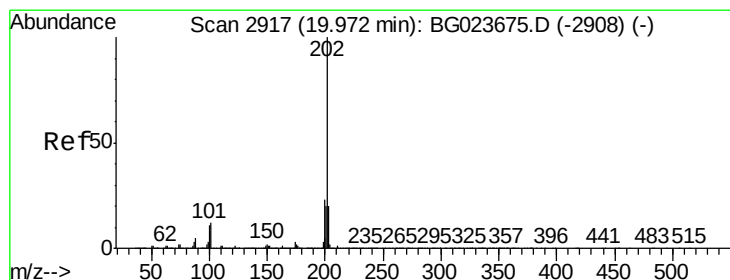
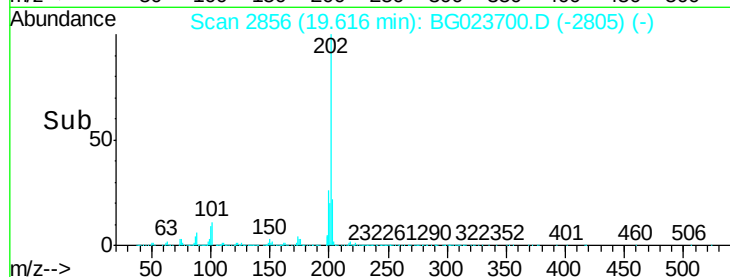
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



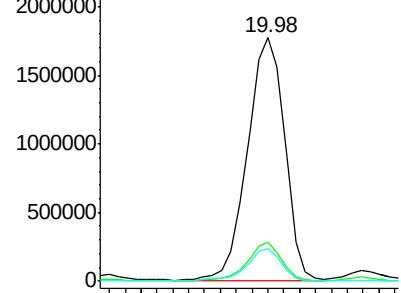
Time-->



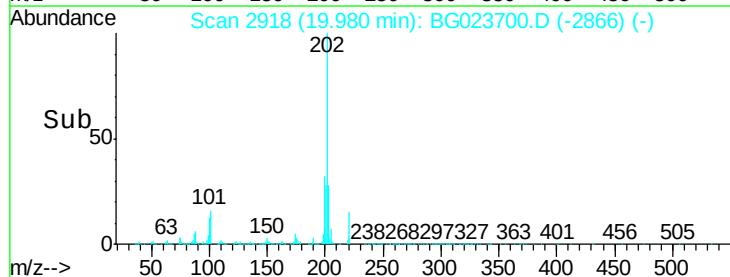
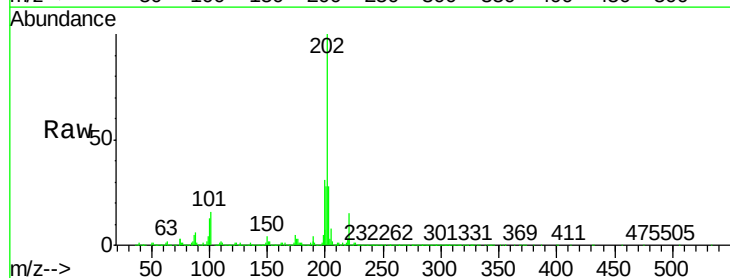
#77
Pyrene
Concen: 63.50 ng/ul
RT: 19.98 min Scan# 2918
Delta R.T. 0.01 min
Lab File: BG023700.D
Acq: 13 Aug 2016 22:53

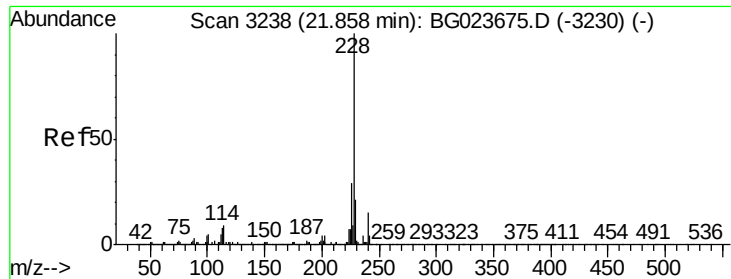
Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.9	12.5	18.7
100	13.4	10.2	15.4

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



Time-->





#80

Benzo(a)anthracene

Concen: 37.47 ng/ul

RT: 21.86 min Scan# 3238

Delta R.T. 0.00 min

Lab File: BG023700.D

Acq: 13 Aug 2016 22:53

Instrument :

BNA_G

ClientSampleId :

P002-SS003-0612-01

Tot Ion:228 Resp: 1547648

Ion Ratio Lower Upper

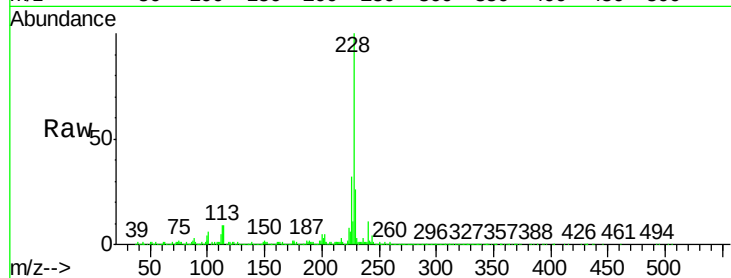
228 100

229 26.3 15.4 23.2#

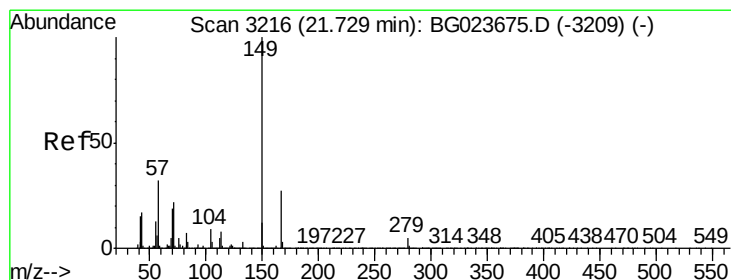
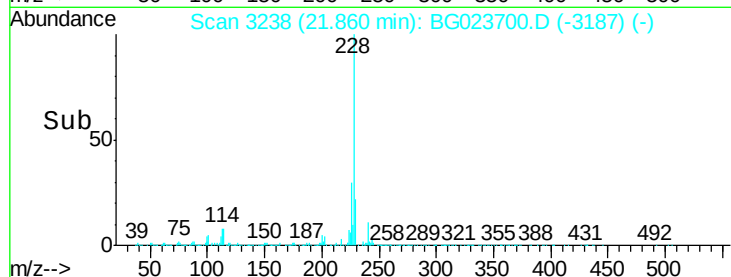
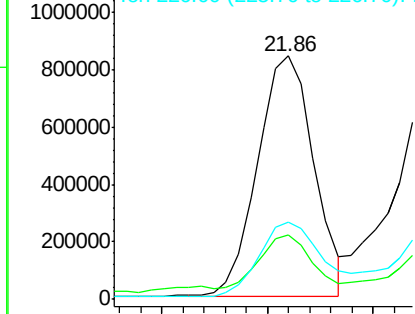
226 31.9 22.8 34.2

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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: 3.41 ng/ul

RT: 21.73 min Scan# 3216

Delta R.T. 0.00 min

Lab File: BG023700.D

Acq: 13 Aug 2016 22:53

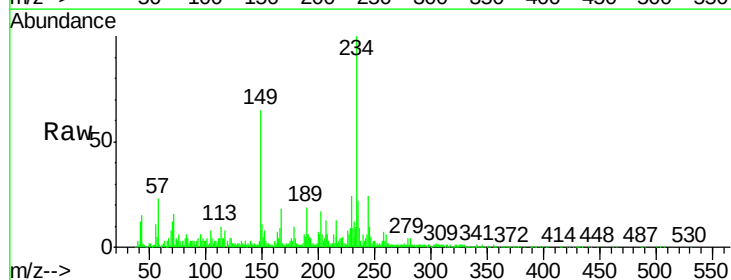
Tgt Ion:149 Resp: 78771

Ion Ratio Lower Upper

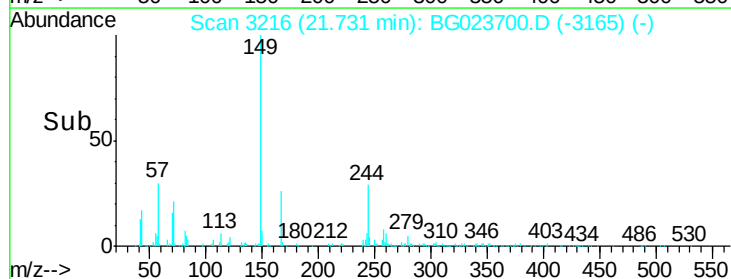
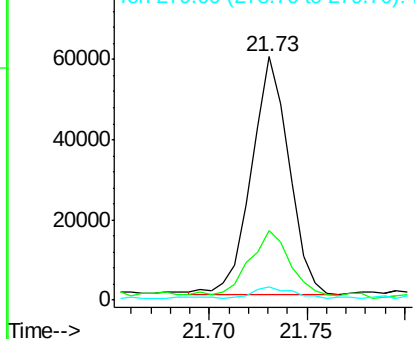
149 100

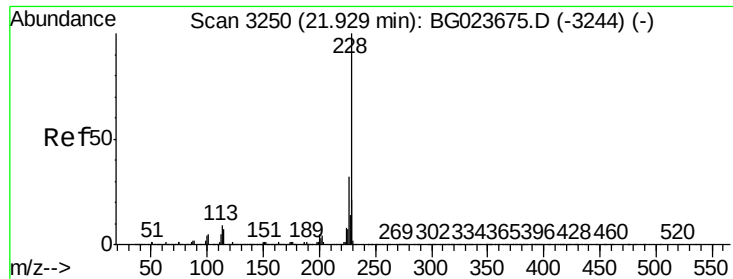
167 28.4 21.9 32.9

279 5.4 2.9 4.3#



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: 46.85 ng/ul

RT: 21.93 min Scan# 3250

Delta R.T. 0.00 min

Lab File: BG023700.D

Acq: 13 Aug 2016 22:53

Instrument :

BNA_G

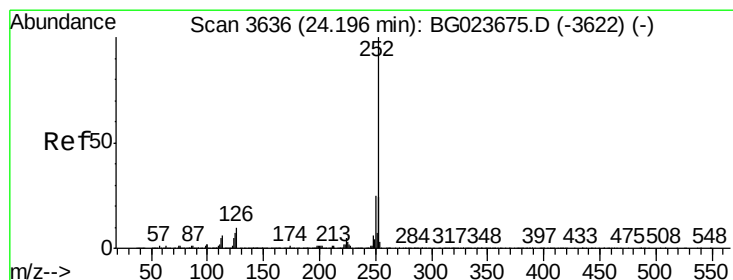
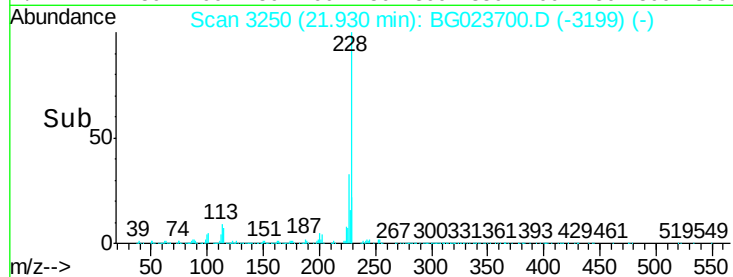
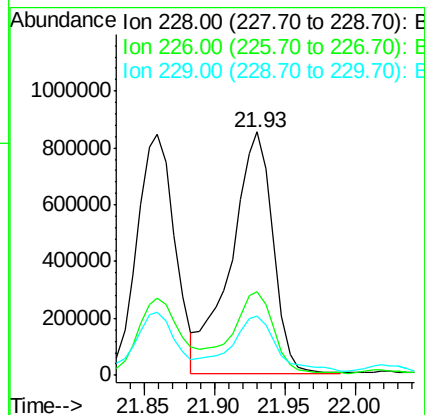
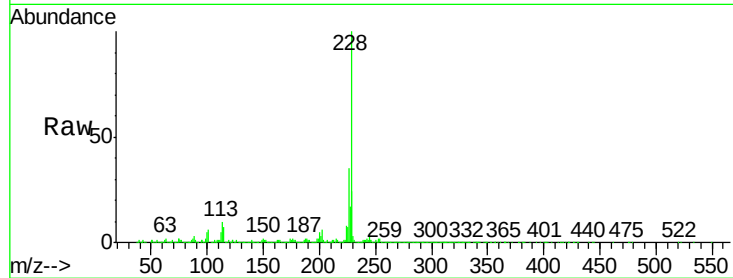
ClientSampleId :

P002-SS003-0612-01

Tot Ion:	228	Resp:	1759241
Ion Ratio	Lower	Upper	
228	100		
226	34.5	24.2	36.4
229	24.3	15.0	22.6#

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#85

Benzo(b)fluoranthene

Concen: 38.25 ng/ul m

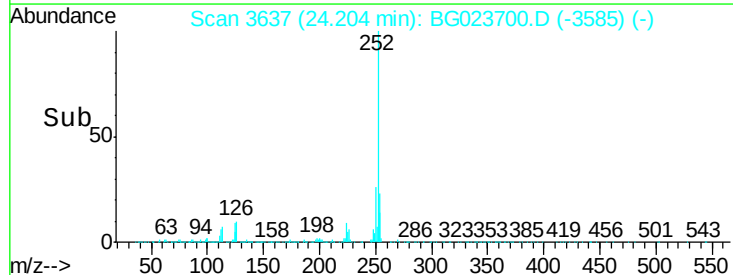
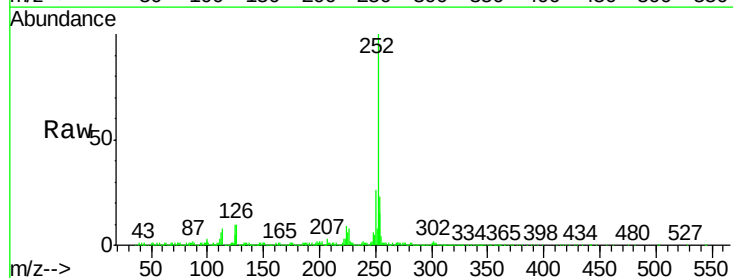
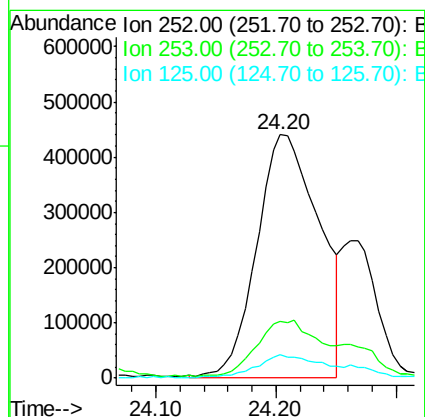
RT: 24.20 min Scan# 3637

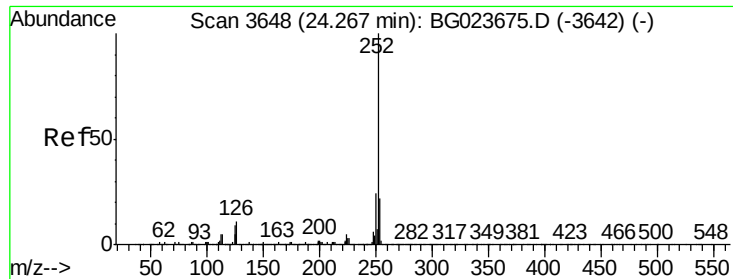
Delta R.T. 0.01 min

Lab File: BG023700.D

Acq: 13 Aug 2016 22:53

Tgt Ion:	252	Resp:	1602294
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.2	27.2
125	9.6	10.8	16.2#





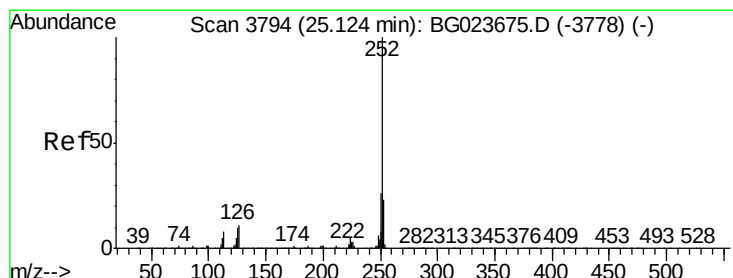
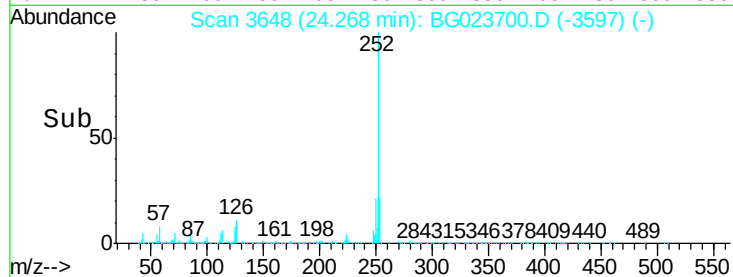
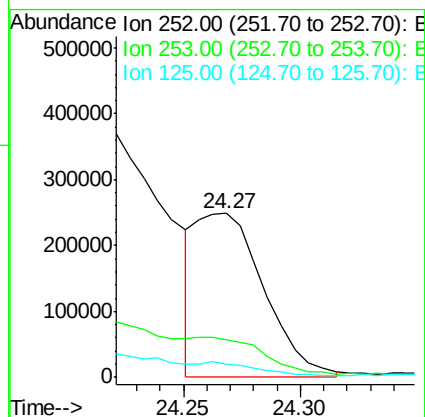
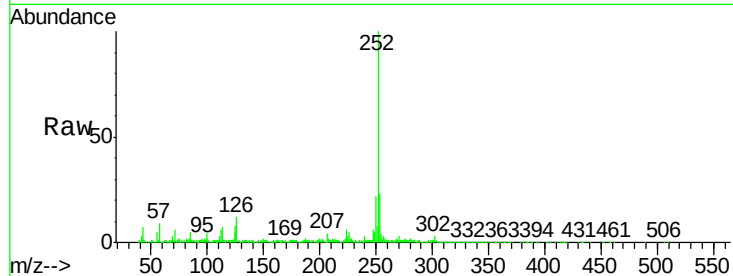
#86
Benzo(k)fluoranthene
Concen: 12.20 ng/ul m
RT: 24.27 min Scan# 3648
Delta R.T. 0.00 min
Lab File: BG023700.D
Acq: 13 Aug 2016 22:53

Instrument :
BNA_G
ClientSampleId :
P002-SS003-0612-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	15.8	23.6
125	8.2	10.6	16.0#

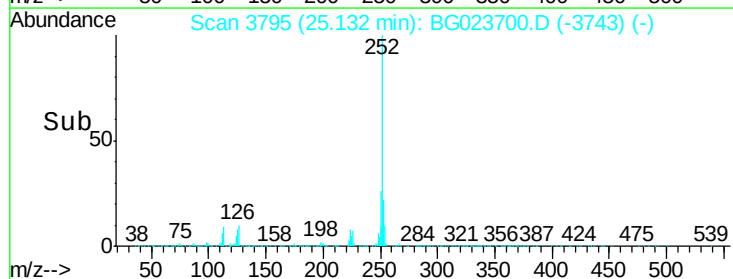
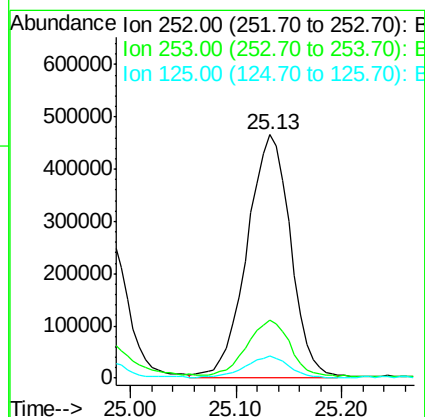
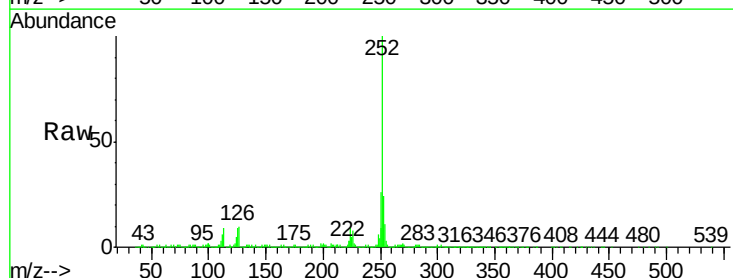
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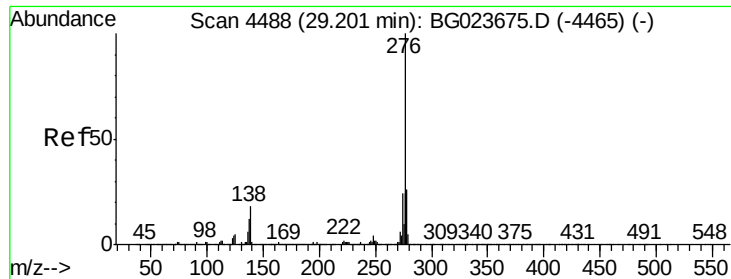
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#88
Benzo(a)pyrene
Concen: 32.97 ng/ul m
RT: 25.13 min Scan# 3795
Delta R.T. 0.01 min
Lab File: BG023700.D
Acq: 13 Aug 2016 22:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	19.0	28.4
125	8.9	12.0	18.0#





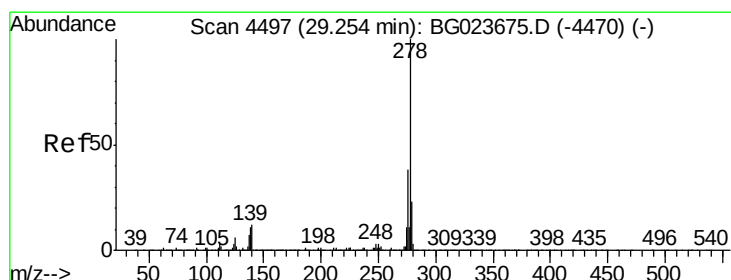
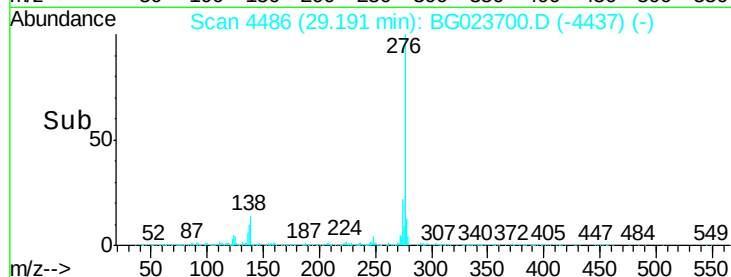
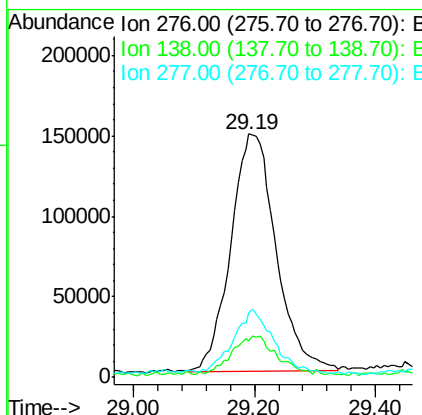
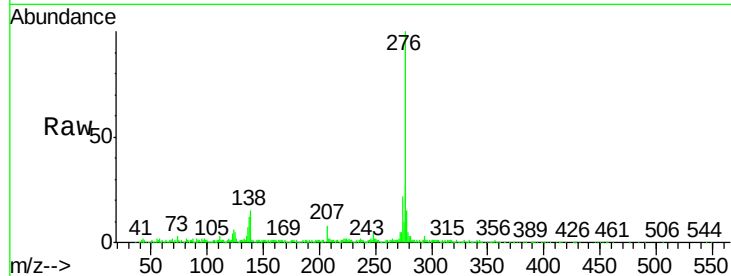
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 16.11 ng/ul
 RT: 29.19 min Scan# 4486
 Delta R.T. -0.01 min
 Lab File: BG023700.D
 Acq: 13 Aug 2016 22:53

Instrument :
 BNA_G
 ClientSampleId :
 P002-SS003-0612-01

Tot Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	14.9	20.8	31.2#
277	26.7	17.6	26.4#

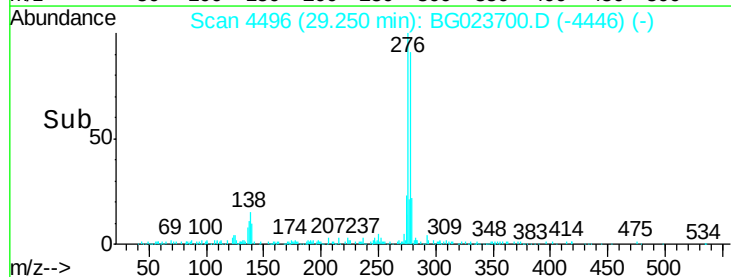
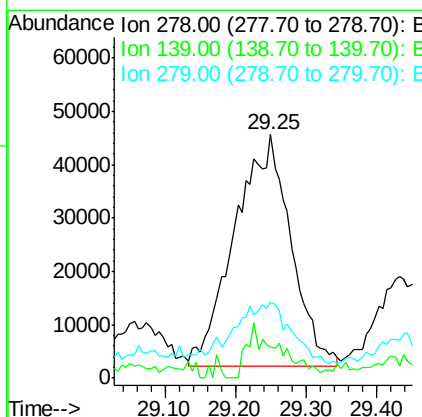
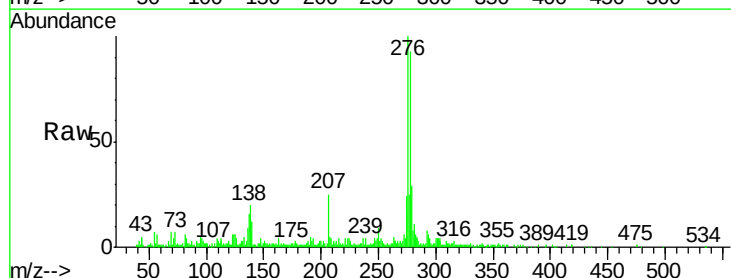
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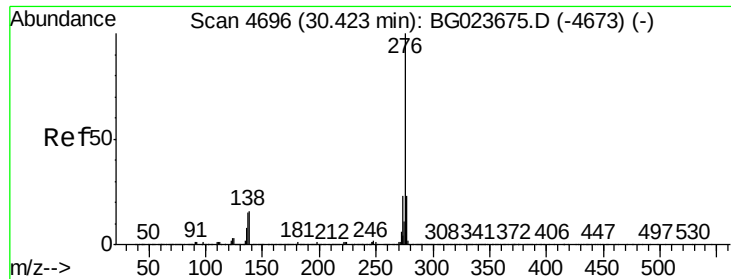
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#90
 Dibenzo(a,h)anthracene
 Concen: 5.92 ng/ul m
 RT: 29.25 min Scan# 4496
 Delta R.T. -0.00 min
 Lab File: BG023700.D
 Acq: 13 Aug 2016 22:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	12.7	16.3	24.5#
279	31.3	19.1	28.7#





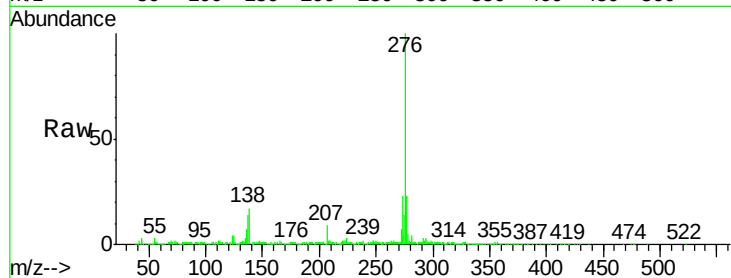
#91
 Benzo(a,h,i)perylene
 Concen: 19.25 ng/ul m
 RT: 30.43 min Scan# 4697
 Delta R.T. 0.01 min
 Lab File: BG023700.D
 Acq: 13 Aug 2016 22:53

Instrument :
 BNA_G
 ClientSampleId :
 P002-SS003-0612-01

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.6	22.1	33.1#
277	23.3	17.0	25.4

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

