

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
 Data File : BG023611.D
 Acq On : 11 Aug 2016 3:14
 Operator : UM/SJ
 Sample : H4384-16
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P002-SS001-0002-01

Manual Integrations
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Quant Time: Aug 11 05:52:54 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 11 03:58:16 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	200135	20.00	ng/ul	0.03
18) Naphthalene-d8	10.97	136	915624	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.79	164	641627	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.56	188	1444361	20.00	ng/ul	0.01
75) Chrysene-d12	21.88	240	1363124	20.00	ng/ul	0.00
83) Perylene-d12	25.28	264	1399832	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.50	96	10614	2.25	ng/uL	0.01
5) Phenol-d5	7.29	99	266205	13.20	ng/ul	0.03
7) Bis-(2-Chloroethyl)ether-d	7.45	67	186188	14.41	ng/ul	0.03
9) 2-Chlorophenol-d4	7.67	132	185926	13.52	ng/ul	0.03
13) 4-Methylphenol-d8	8.85	113	203623	12.94	ng/ul	0.02
19) Nitrobenzene-d5	9.31	128	107058m	14.83	ng/ul	0.03
22) 2-Nitrophenol-d4	10.04	143	125520	15.14	ng/ul	0.03
26) 2,4-Dichlorophenol-d3	10.59	165	222698	14.24	ng/ul	0.03
29) 4-Chloroaniline-d4	11.10	131	187615	10.23	ng/ul	0.02
43) Dimethylphthalate-d6	14.19	166	798506	15.20	ng/ul	0.00
46) Acenaphthylene-d8	14.49	160	950550	16.08	ng/ul	0.01
51) 4-Nitrophenol-d4	15.02	143	75502	8.42	ng/ul	0.03
57) Fluorene-d10	15.79	176	742193	15.29	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.92	200	96894	10.46	ng/ul	0.01
70) Anthracene-d10	17.65	188	1073577	16.50	ng/ul	0.00
76) Pyrene-d10	19.95	212	1148427	16.64	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.04	264	1059165	16.72	ng/ul	0.01

Target Compounds

						Qvalue
28) Naphthalene	11.02	128	72992	1.57	ng/ul	97
34) 2-Methylnaphthalene	12.63	142	106419	2.82	ng/ul	98
44) Dimethylphthalate	14.24	163	348716	6.70	ng/ul	99
47) Acenaphthylene	14.52	152	272550	4.41	ng/ul	94
49) Acenaphthene	14.86	153	86823	2.06	ng/ul	92
53) Dibenzofuran	15.19	168	135346	2.17	ng/ul	92
58) Fluorene	15.84	166	379383	7.29	ng/ul	99
69) Phenanthrene	17.60	178	3502952m	46.83	ng/ul	
71) Anthracene	17.69	178	439782	5.76	ng/ul	98
72) Carbazole	17.97	167	160421	2.61	ng/ul	95
74) Fluoranthene	19.62	202	3473949	45.36	ng/ul	95
77) Pyrene	19.98	202	3405923	40.42	ng/ul#	90
80) Benzo(a)anthracene	21.85	228	1750186	22.80	ng/ul	94
82) Chrysene	21.92	228	1840898	26.37	ng/ul#	91
85) Benzo(b)fluoranthene	24.20	252	1872579	23.52	ng/ul#	94
86) Benzo(k)fluoranthene	24.25	252	651338m	8.31	ng/ul	
88) Benzo(a)pyrene	25.12	252	1393365m	18.12	ng/ul	
89) Indeno(1,2,3-cd)pyrene	29.16	276	808080	8.95	ng/ul#	87
90) Dibenzo(a,h)anthracene	29.19	278	231423m	3.00	ng/ul	
91) Benzo(g,h,i)perylene	30.37	276	736352	9.83	ng/ul#	89

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

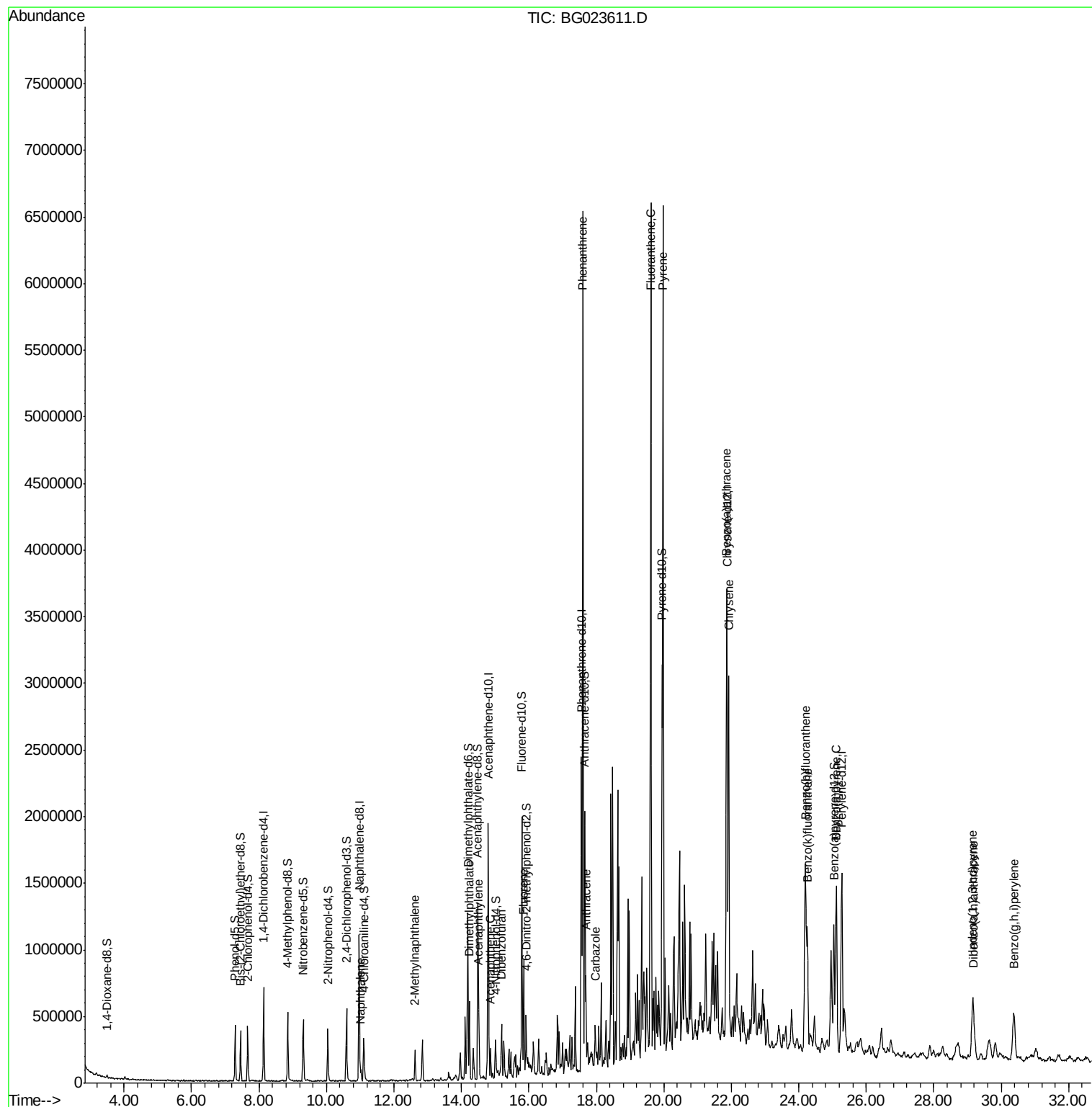
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023611.D
Acq On : 11 Aug 2016 3:14
Operator : UM/SJ
Sample : H4384-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

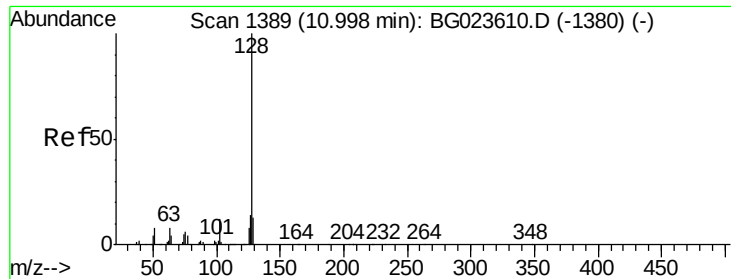
Instrument :
BNA_G
ClientSampleId :
P002-SS001-0002-01

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Response via : Initial Calibration





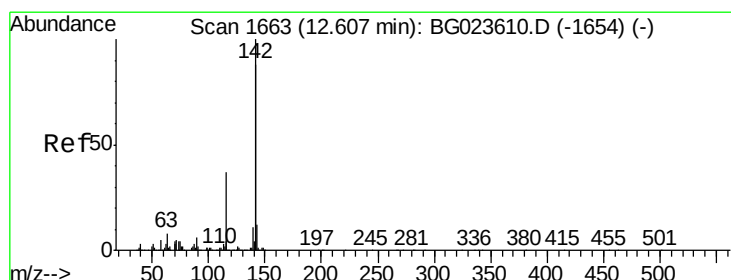
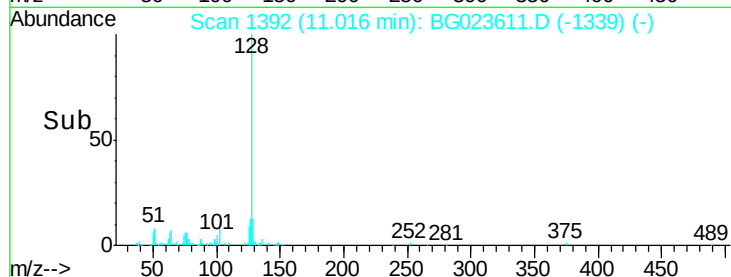
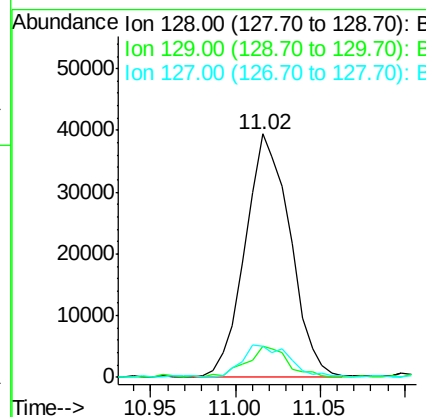
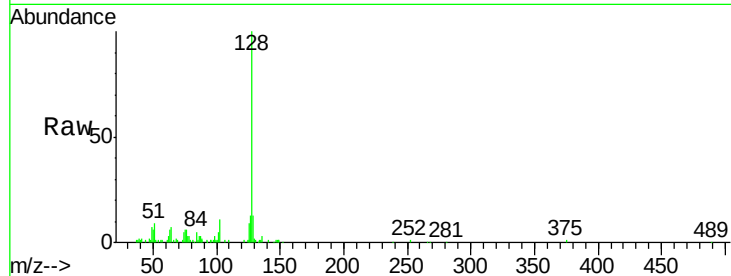
#28
Naphthalene
Concen: 1.57 ng/ul
RT: 11.02 min Scan# 1392
Delta R.T. 0.01 min
Lab File: BG023611.D
Acq: 11 Aug 2016 3:14

Instrument :
BNA_G
ClientSampleId :
P002-SS001-0002-01

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.7	9.4	14.2
127	12.9	11.2	16.8

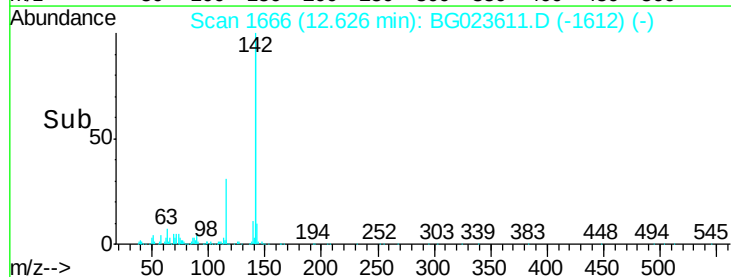
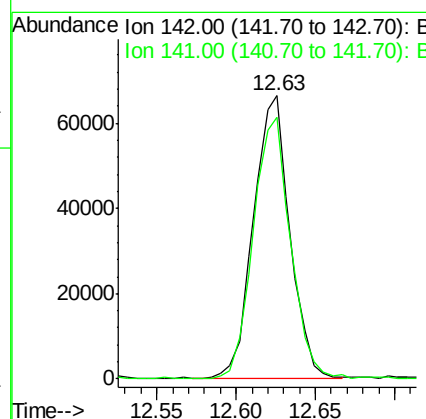
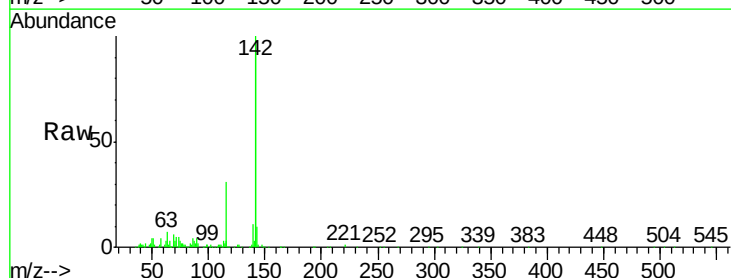
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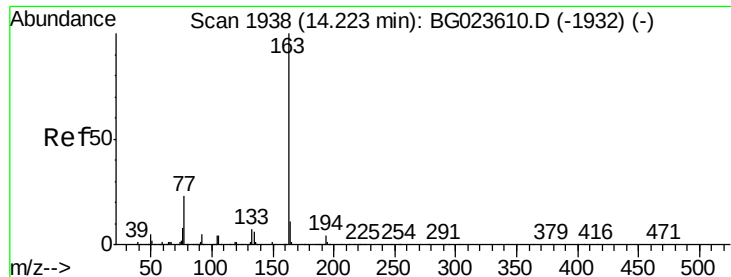
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#34
2-Methylnaphthalene
Concen: 2.82 ng/ul
RT: 12.63 min Scan# 1666
Delta R.T. 0.02 min
Lab File: BG023611.D
Acq: 11 Aug 2016 3:14

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.5	75.2	112.8





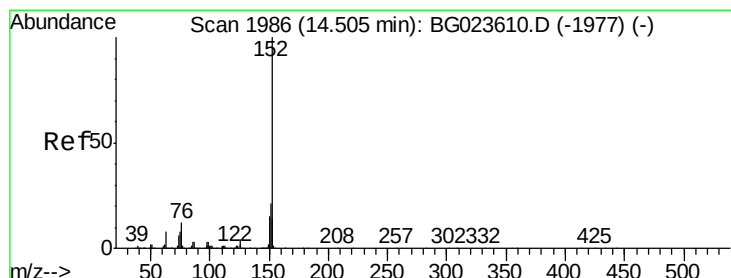
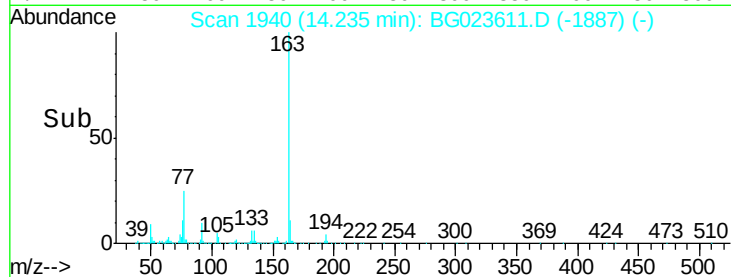
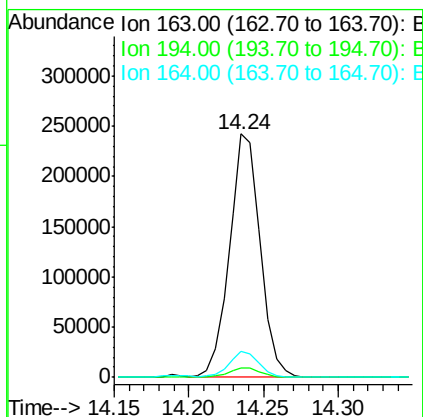
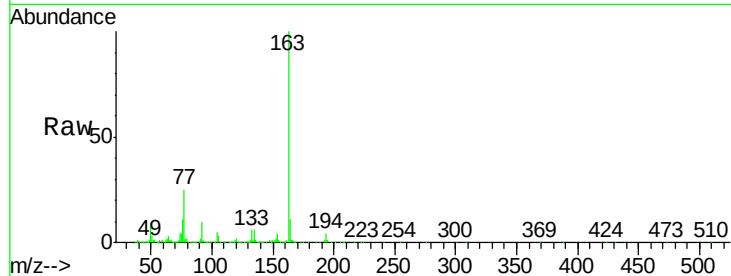
#44
Dimethylphthalate
Concen: 6.70 ng/ul
RT: 14.24 min Scan# 1940
Delta R.T. 0.01 min
Lab File: BG023611.D
Acq: 11 Aug 2016 3:14

Instrument :
BNA_G
ClientSampleId :
P002-SS001-0002-01

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	4.0	3.4	5.2
164	10.8	8.8	13.2

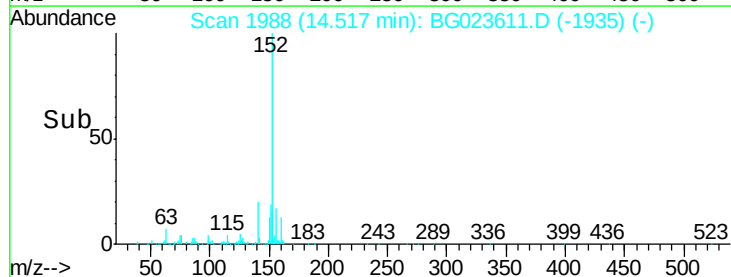
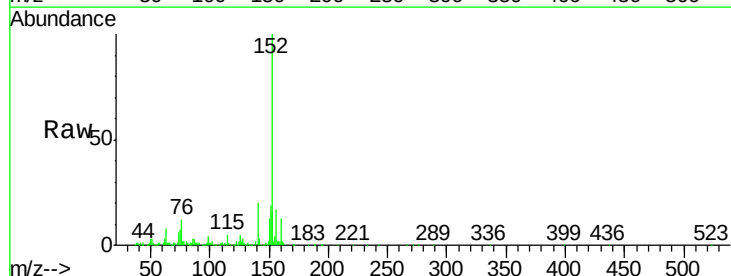
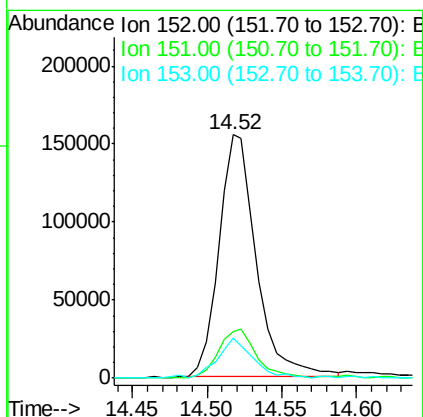
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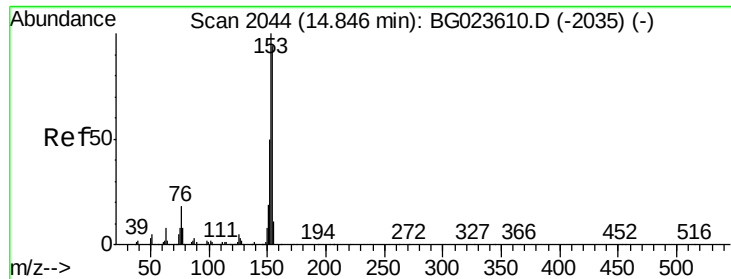
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#47
Acenaphthylene
Concen: 4.41 ng/ul
RT: 14.52 min Scan# 1988
Delta R.T. 0.01 min
Lab File: BG023611.D
Acq: 11 Aug 2016 3:14

Tgt Ion	Ratio	Resp Lower	Resp Upper
152	100		
151	19.0	17.5	26.3
153	16.3	11.1	16.7





#49

Acenaphthene

Concen: 2.06 ng/ul

RT: 14.86 min Scan# 2046

Delta R.T. 0.01 min

Lab File: BG023611.D

Acq: 11 Aug 2016 3:14

Instrument :

BNA_G

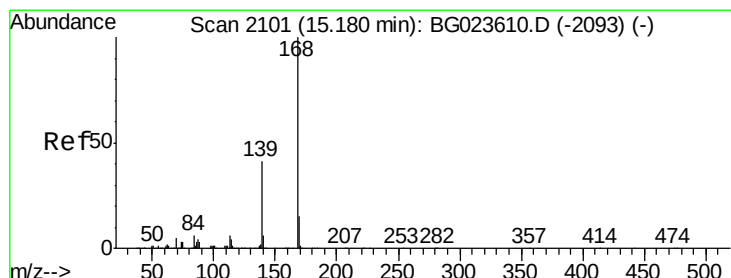
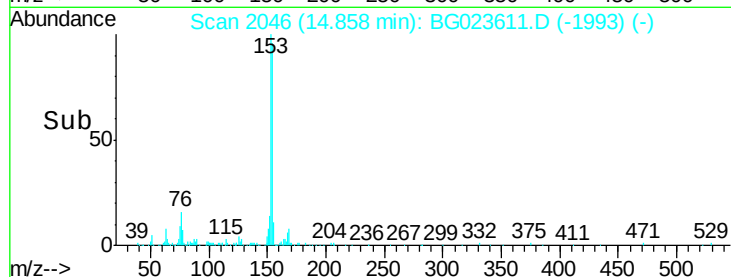
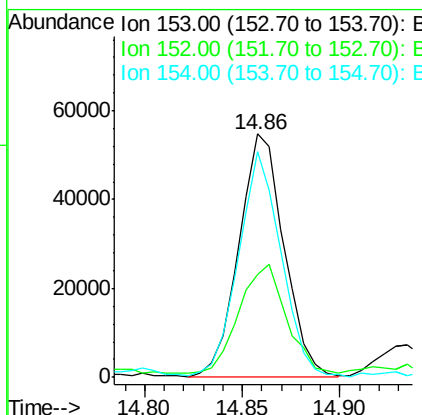
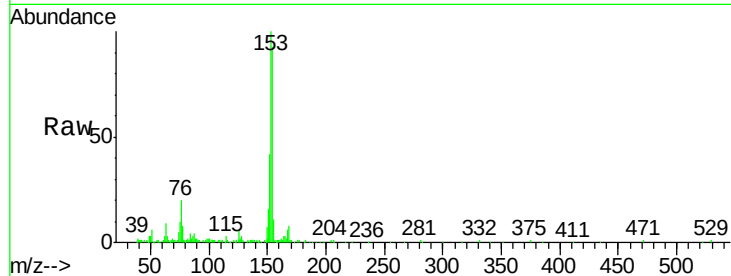
ClientSampleId :

P002-SS001-0002-01

Tgt Ion:	153	Resp:	86823
Ion Ratio	Lower	Upper	
153	100		
152	42.3	37.3	55.9
154	92.6	68.2	102.2

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#53

Dibenzofuran

Concen: 2.17 ng/ul

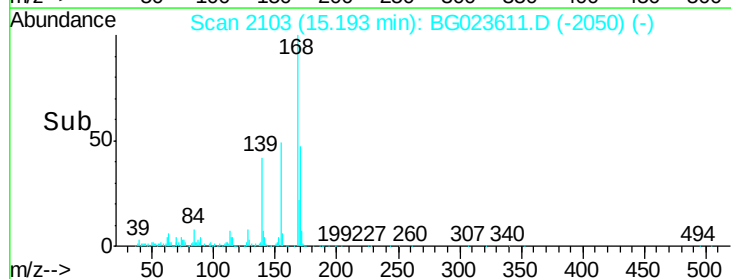
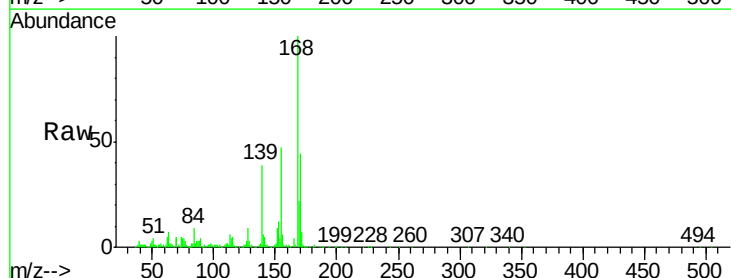
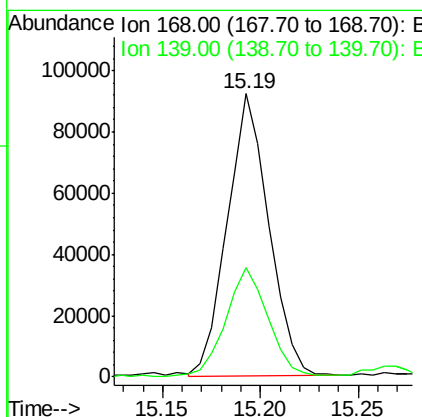
RT: 15.19 min Scan# 2103

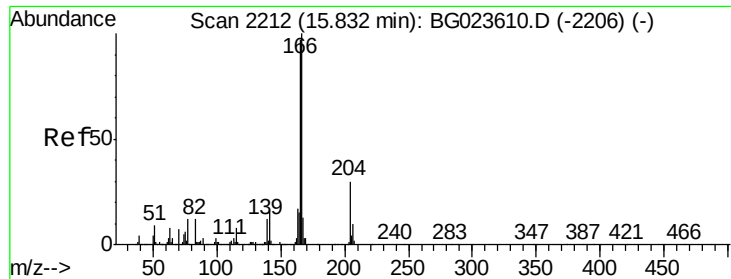
Delta R.T. 0.01 min

Lab File: BG023611.D

Acq: 11 Aug 2016 3:14

Tgt Ion:	168	Resp:	135346
Ion Ratio	Lower	Upper	
168	100		
139	38.8	27.4	41.0





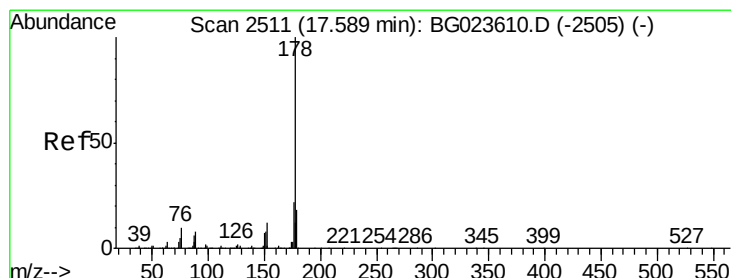
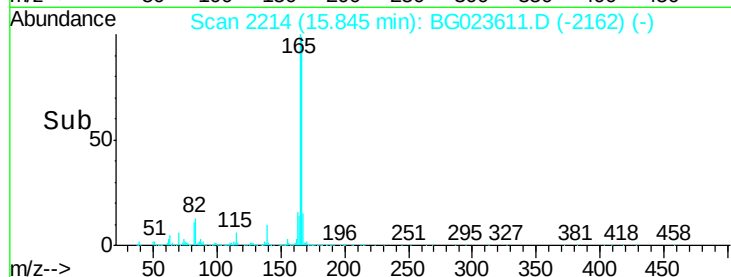
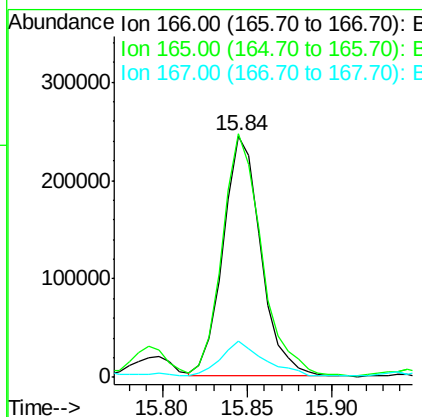
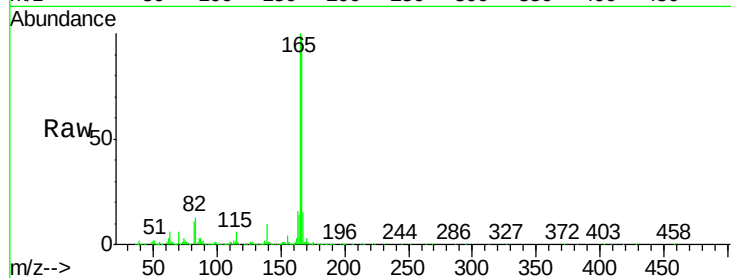
#58
 Fluorene
 Concen: 7.29 ng/ul
 RT: 15.84 min Scan# 2214
 Delta R.T. 0.01 min
 Lab File: BG023611.D
 Acq: 11 Aug 2016 3:14

Instrument :
 BNA_G
 ClientSampleId :
 P002-SS001-0002-01

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.0	80.3	120.5
167	15.2	10.3	15.5

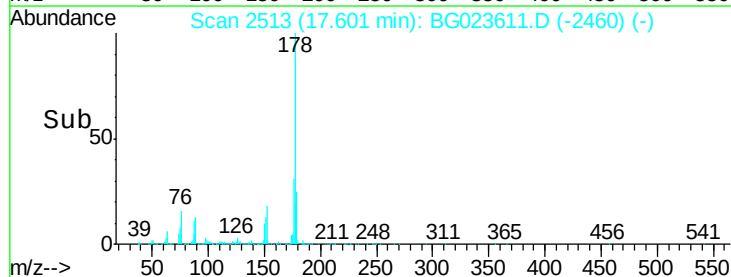
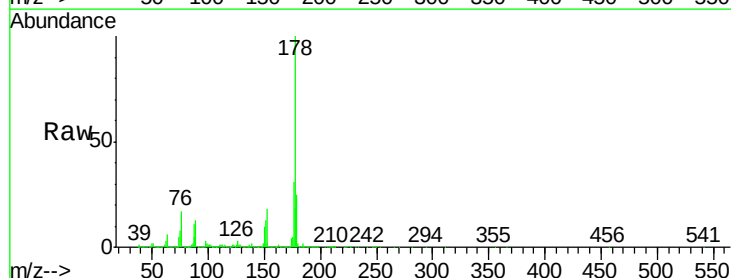
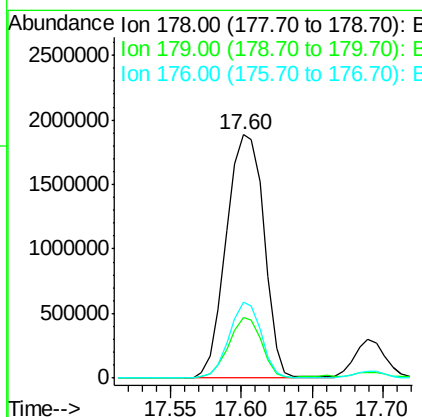
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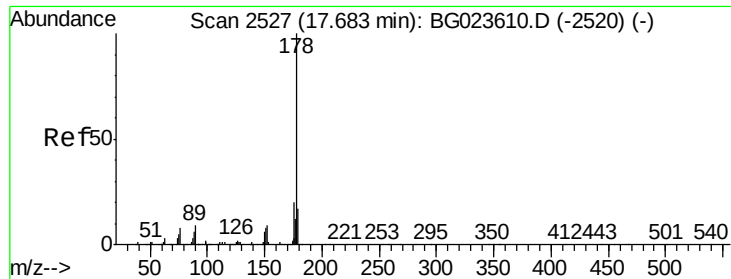
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#69
 Phenanthrene
 Concen: 46.83 ng/ul m
 RT: 17.60 min Scan# 2513
 Delta R.T. 0.01 min
 Lab File: BG023611.D
 Acq: 11 Aug 2016 3:14

Tgt Ion	Ratio	Lower	Upper
178	100		
179	24.9	12.9	19.3#
176	31.0	15.8	23.8#





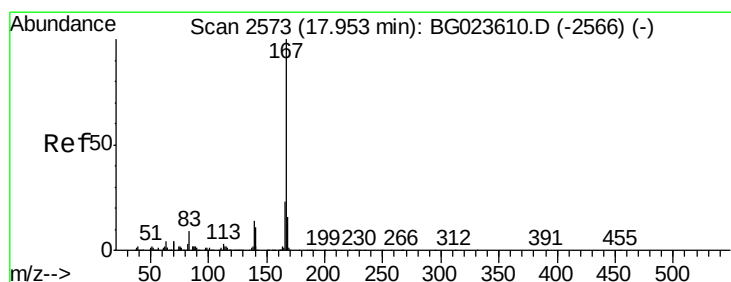
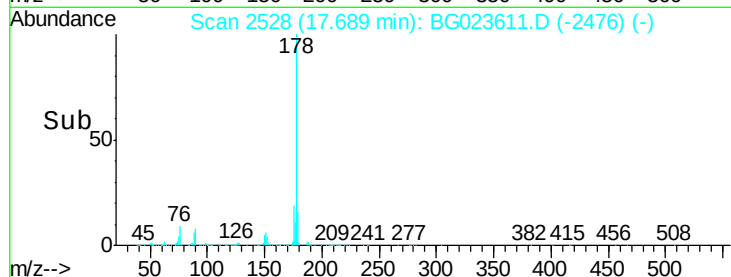
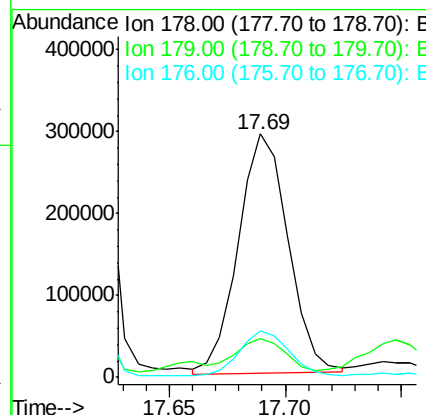
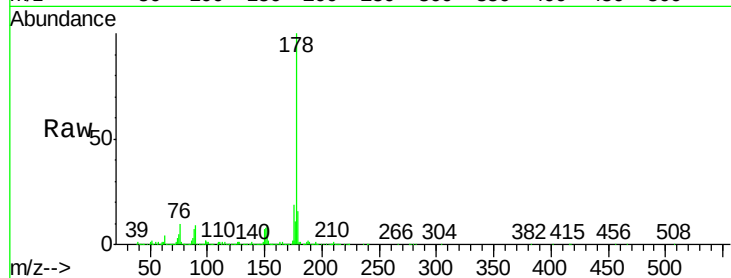
#71
 Anthracene
 Concen: 5.76 ng/ul
 RT: 17.69 min Scan# 2528
 Delta R.T. 0.01 min
 Lab File: BG023611.D
 Acq: 11 Aug 2016 3:14

Instrument :
 BNA_G
 ClientSampleId :
 P002-SS001-0002-01

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.3	18.5
176	19.3	16.3	24.5

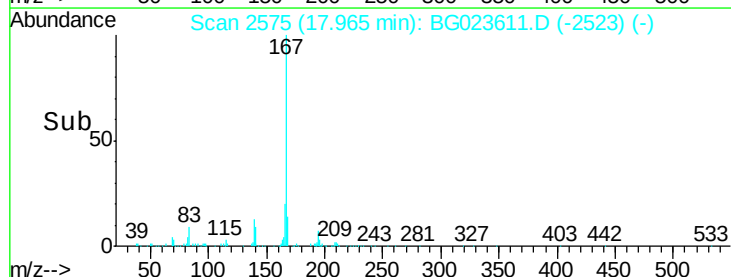
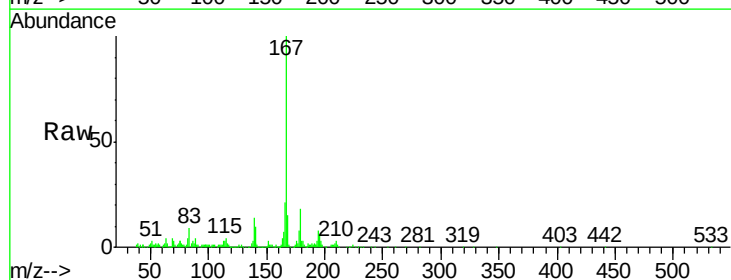
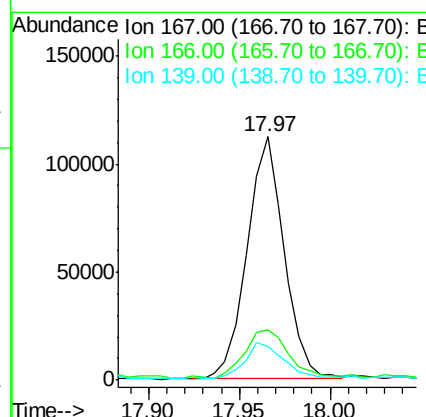
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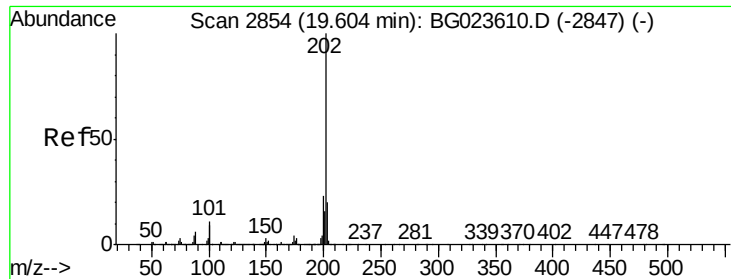
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#72
 Carbazole
 Concen: 2.61 ng/ul
 RT: 17.97 min Scan# 2575
 Delta R.T. 0.01 min
 Lab File: BG023611.D
 Acq: 11 Aug 2016 3:14

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.9	19.2	28.8
139	13.6	10.2	15.4





#74

Fluoranthene

Concen: 45.36 ng/ul

RT: 19.62 min Scan# 2856

Delta R.T. 0.01 min

Lab File: BG023611.D

Acq: 11 Aug 2016 3:14

Instrument :

BNA_G

ClientSampleId :

P002-SS001-0002-01

Tgt Ion:202 Resp: 3473949

Ion Ratio Lower Upper

202 100

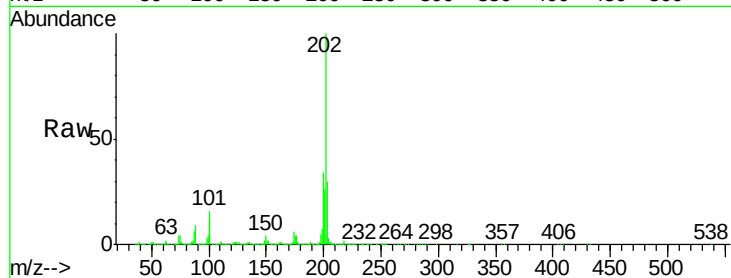
101 15.8 10.6 16.0

100 12.6 8.7 13.1

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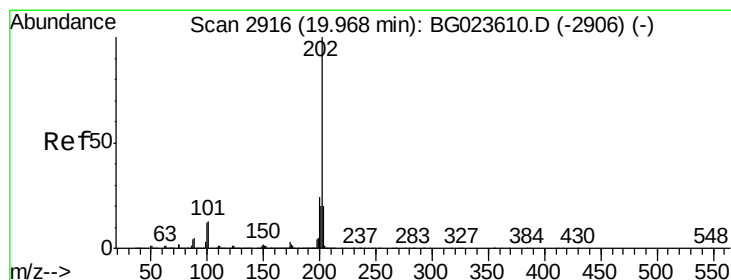
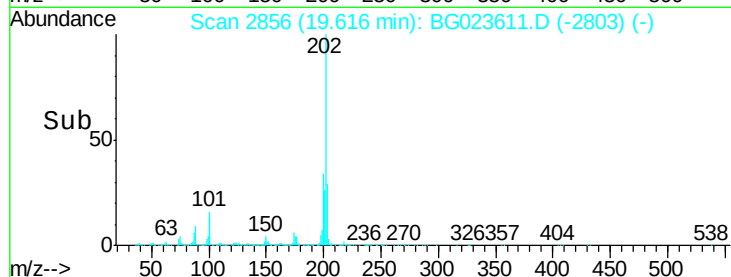
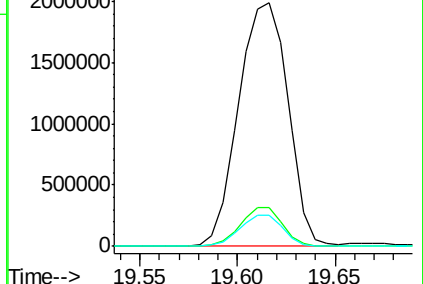
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 40.42 ng/ul

RT: 19.98 min Scan# 2918

Delta R.T. 0.01 min

Lab File: BG023611.D

Acq: 11 Aug 2016 3:14

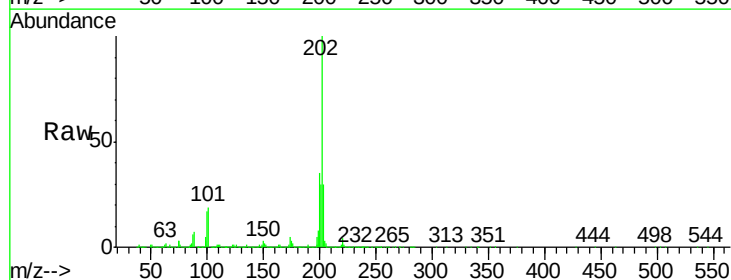
Tgt Ion:202 Resp: 3405923

Ion Ratio Lower Upper

202 100

101 19.4 12.5 18.7#

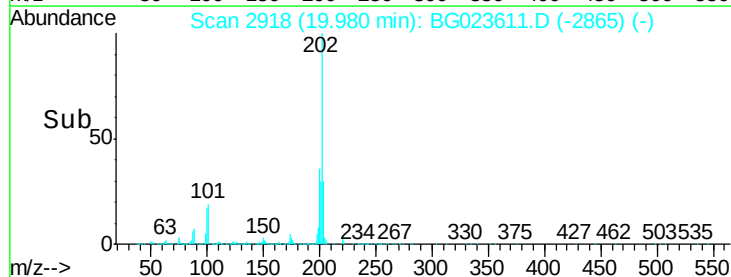
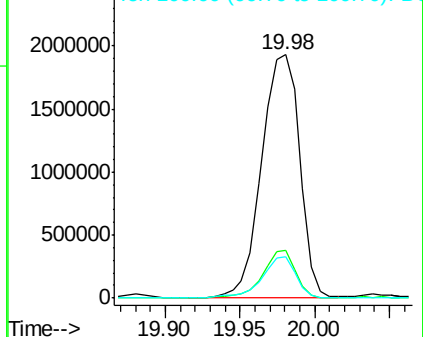
100 17.0 10.2 15.4#

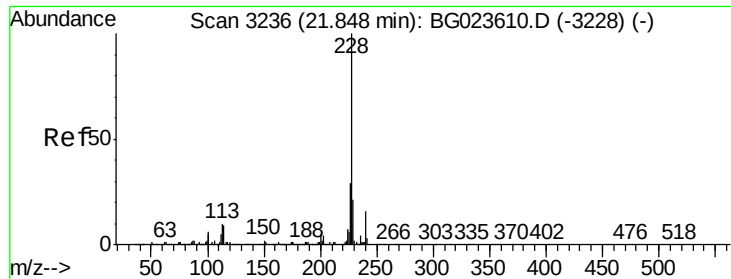


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





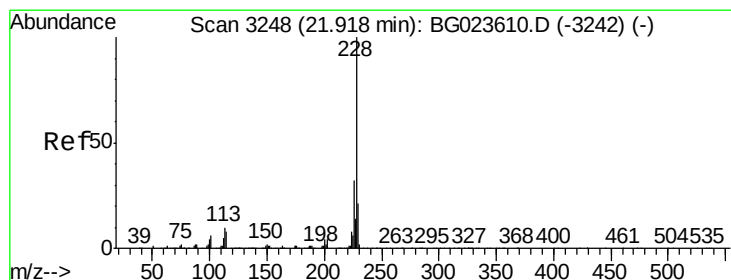
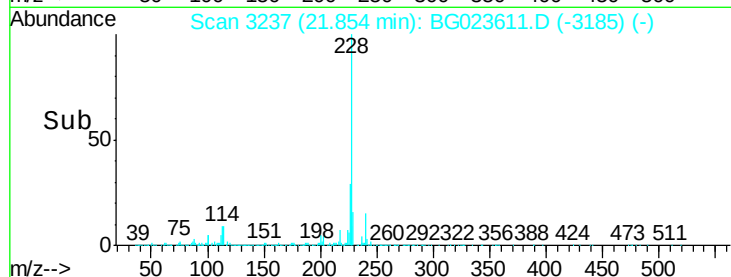
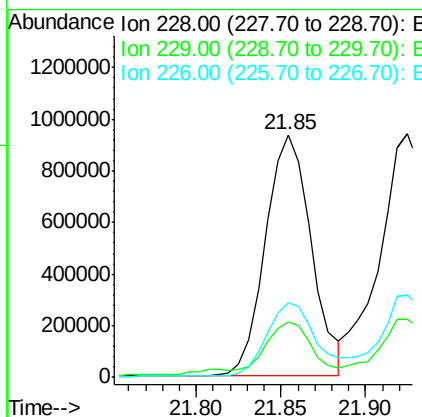
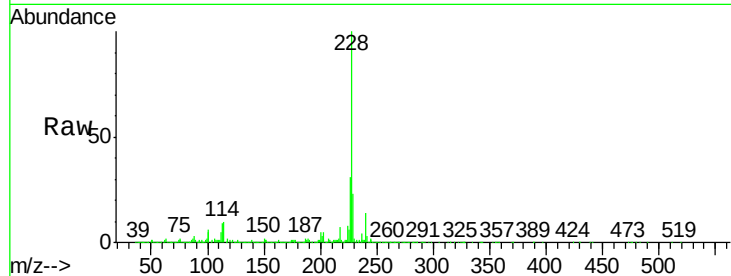
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Benzo(a)anthracene
Concen: 22.80 ng/ul
RT: 21.85 min Scan# 3237
Delta R.T. 0.01 min
Lab File: BG023611.D
Acq: 11 Aug 2016 3:14

Instrument :
BNA_G
ClientSampleId :
P002-SS001-0002-01

Tgt Ion	Ratio	Lower	Upper
228	100		
229	23.0	15.4	23.2
226	31.0	22.8	34.2

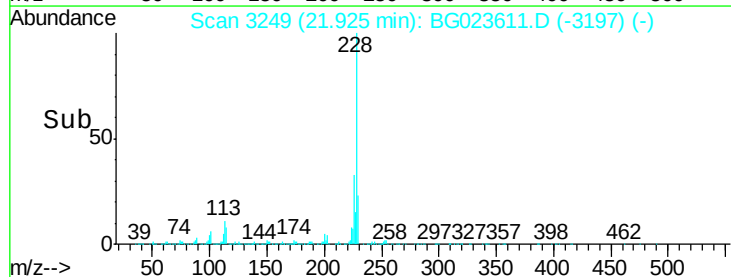
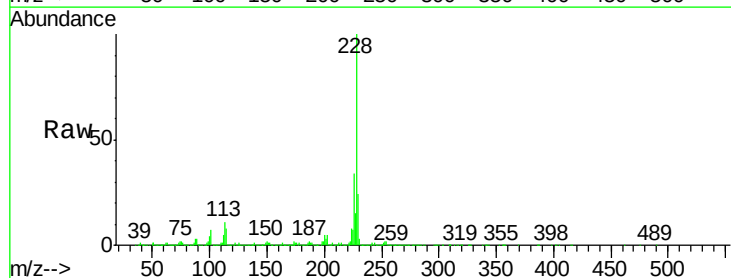
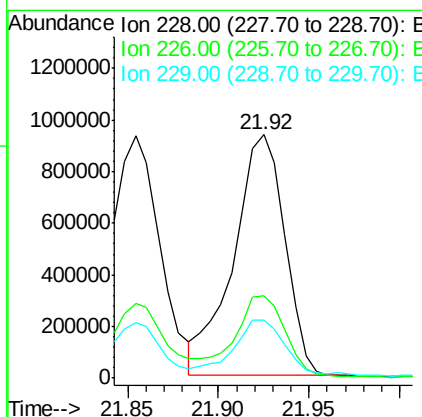
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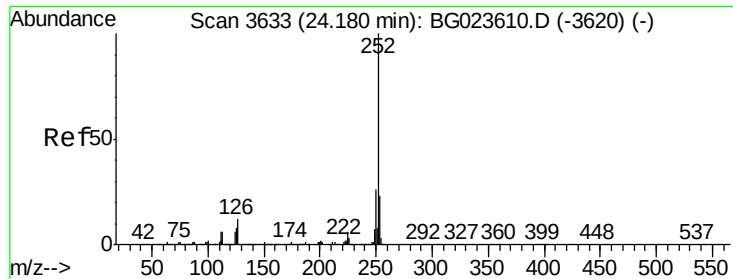
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#82
Chrysene
Concen: 26.37 ng/ul
RT: 21.92 min Scan# 3249
Delta R.T. 0.01 min
Lab File: BG023611.D
Acq: 11 Aug 2016 3:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.0	24.2	36.4
229	23.9	15.0	22.6#





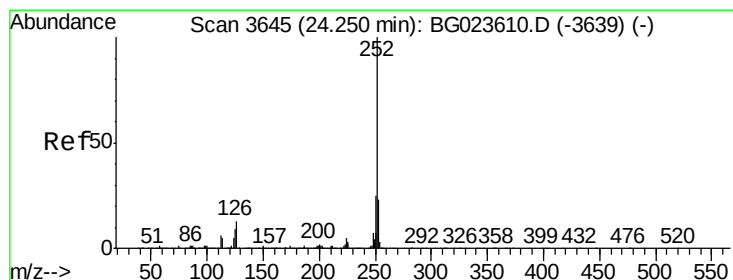
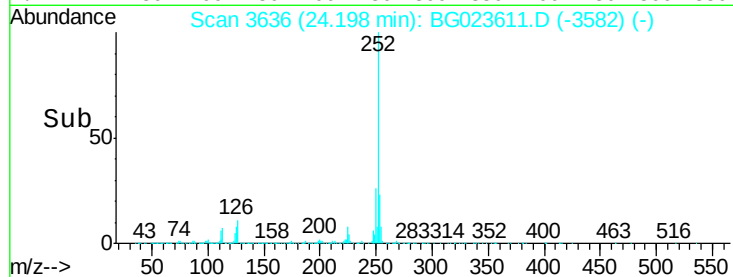
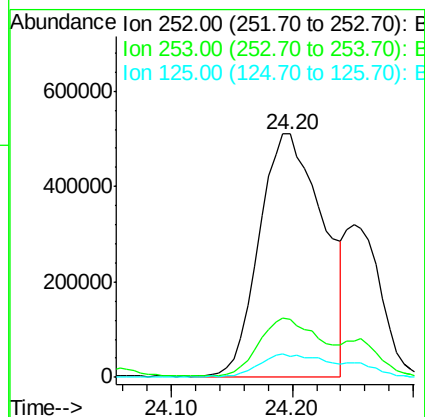
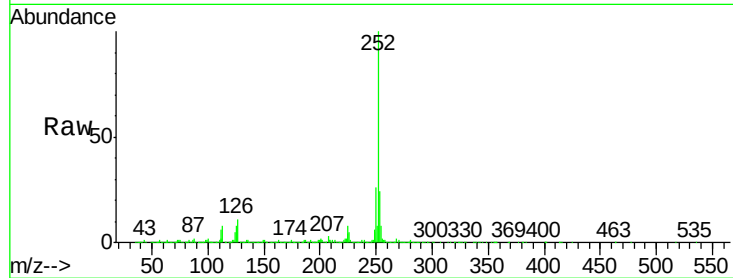
#85
Benzo(b)fluoranthene
Concen: 23.52 ng/ul
RT: 24.20 min Scan# 3636
Delta R.T. 0.02 min
Lab File: BG023611.D
Acq: 11 Aug 2016 3:14

Instrument :
BNA_G
ClientSampleId :
P002-SS001-0002-01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.2
125	8.3	10.8	16.2

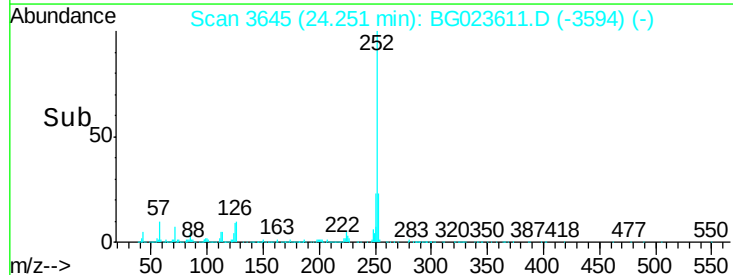
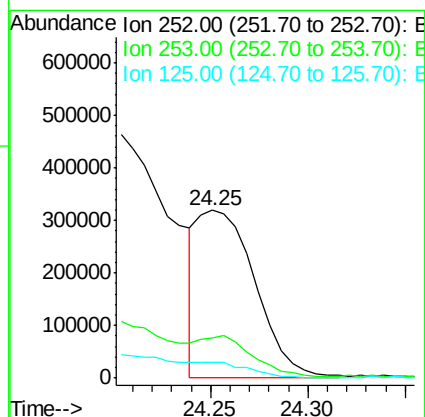
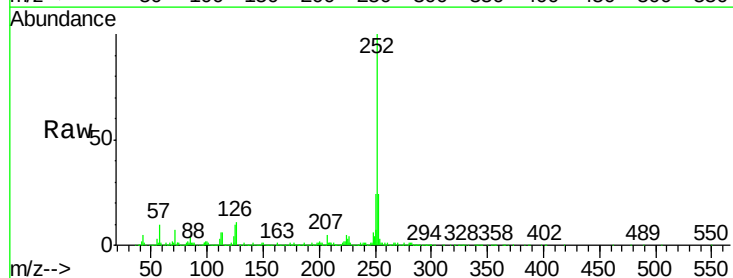
Manual Integrations
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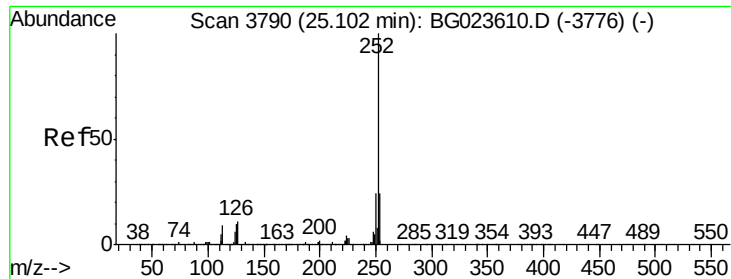
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#86
Benzo(k)fluoranthene
Concen: 8.31 ng/ul m
RT: 24.25 min Scan# 3645
Delta R.T. 0.00 min
Lab File: BG023611.D
Acq: 11 Aug 2016 3:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	15.8	23.6
125	9.7	10.6	16.0





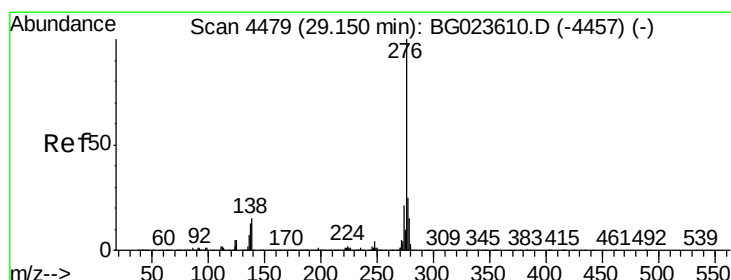
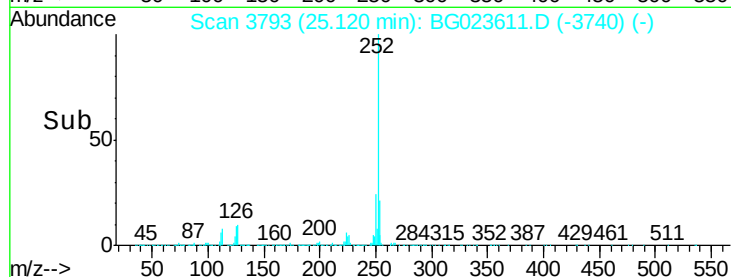
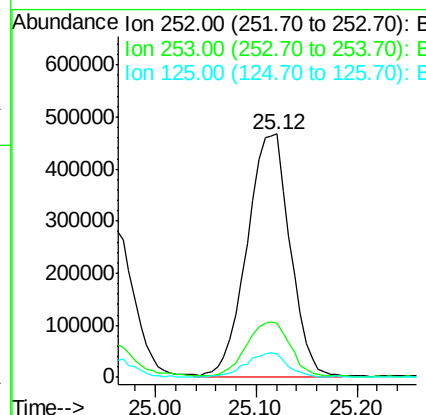
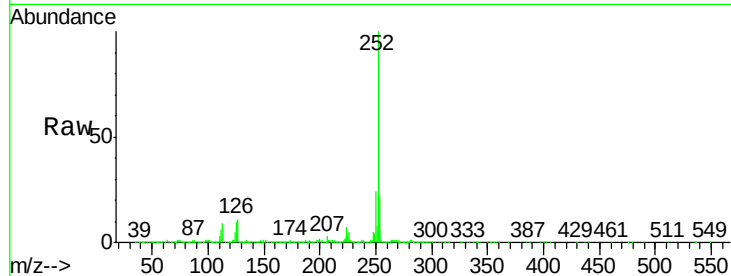
#88
Benzo(a)pyrene
Concen: 18.12 ng/ul m
RT: 25.12 min Scan# 3793
Delta R.T. 0.01 min
Lab File: BG023611.D
Acq: 11 Aug 2016 3:14

Instrument :
BNA_G
ClientSampleId :
P002-SS001-0002-01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	19.0	28.4
125	9.6	12.0	18.0

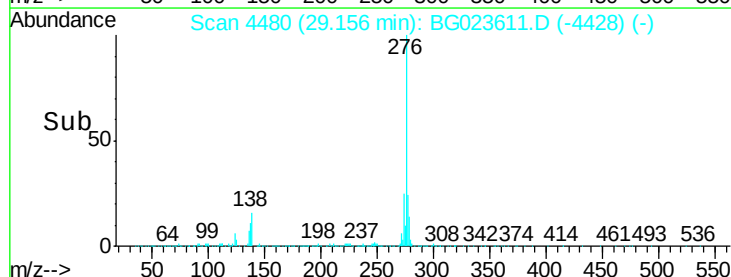
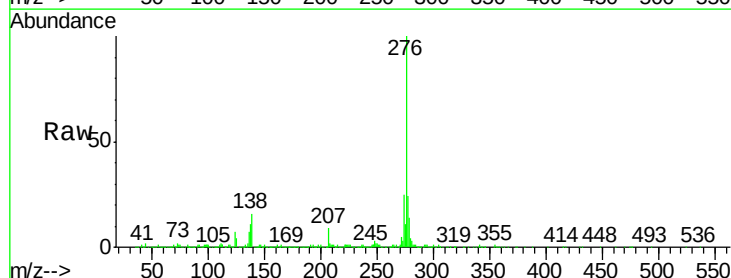
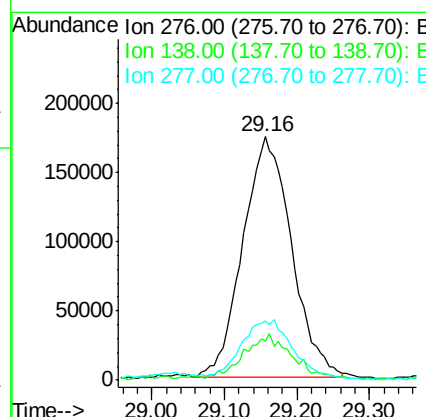
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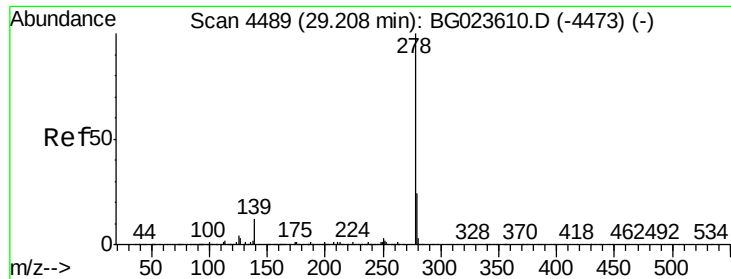
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#89
Indeno(1,2,3-cd)pyrene
Concen: 8.95 ng/ul
RT: 29.16 min Scan# 4480
Delta R.T. 0.01 min
Lab File: BG023611.D
Acq: 11 Aug 2016 3:14

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.1	20.8	31.2
277	24.2	17.6	26.4





#90

Dibenzo(a,h)anthracene

Concen: 3.00 ng/ul m

RT: 29.19 min Scan# 4486

Delta R.T. -0.03 min

Lab File: BG023611.D

Acq: 11 Aug 2016 3:14

Instrument :

BNA_G

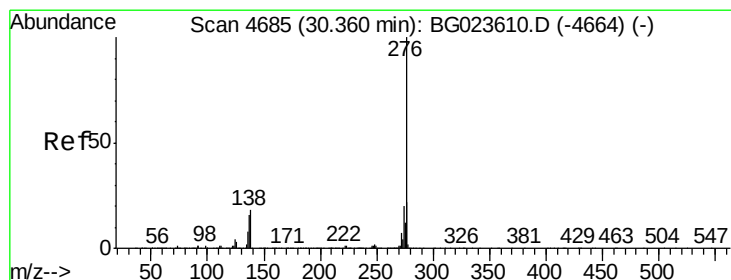
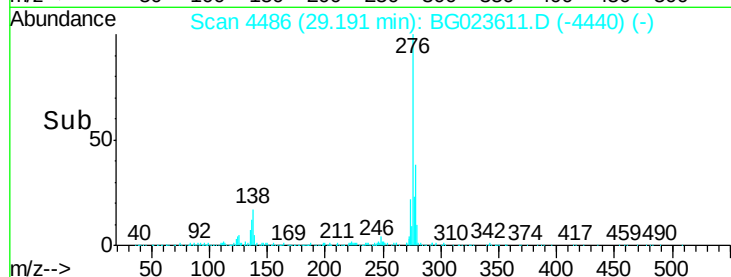
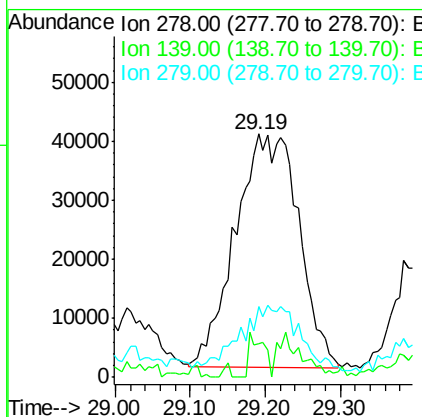
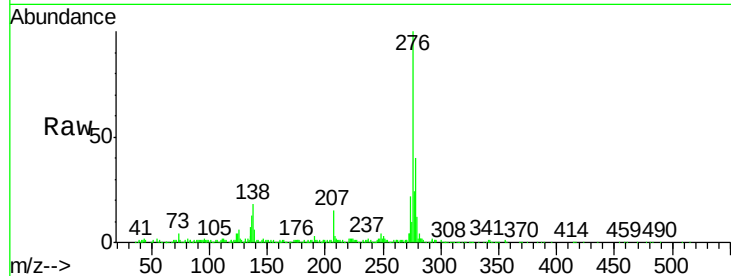
ClientSampleId :

P002-SS001-0002-01

Tgt Ion:	278	Resp:	231423
Ion Ratio	Lower	Upper	
278	100		
139	14.0	16.3	24.5#
279	29.1	19.1	28.7#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 9.83 ng/ul

RT: 30.37 min Scan# 4687

Delta R.T. 0.00 min

Lab File: BG023611.D

Acq: 11 Aug 2016 3:14

Tgt Ion:	276	Resp:	736352
Ion Ratio	Lower	Upper	
276	100		
138	18.7	22.1	33.1#
277	22.1	17.0	25.4

