

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
 Data File : BM010678.D
 Acq On : 23 Jun 2017 02:08
 Operator : SJ/JU
 Sample : I3653-03 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5B20

Manual Integrations
 APPROVED

mohammad
 6/26/2017 8:26:29 AM

Quant Time: Jun 23 13:29:11 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 23 05:06:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	89094	20.00	ng/ul	0.00
18) Naphthalene-d8	10.23	136	394094	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.12	164	270582	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	628565	20.00	ng/ul	0.00
75) Chrysene-d12	21.09	240	690857	20.00	ng/ul	0.00
83) Perylene-d12	23.22	264	522164	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	793	0.51	ng/uL	0.00
5) Phenol-d5	6.65	99	22212	2.62	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	12764	2.63	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	18992	3.19	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	19938	2.83	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	11874	4.22	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	9738	3.01	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.86	165	21085	3.09	ng/ul	0.01
29) 4-Chloroaniline-d4	10.42	131	64854m	9.03	ng/ul	0.05
43) Dimethylphthalate-d6	13.54	166	81825	3.44	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	86149	3.12	ng/ul	0.00
51) 4-Nitrophenol-d4	14.33	143	16392	3.92	ng/ul	0.00
57) Fluorene-d10	15.12	176	69420	3.38	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.26	200	8514	2.21	ng/ul	0.02
70) Anthracene-d10	16.98	188	112383m	3.70	ng/ul	0.01
76) Pyrene-d10	19.28	212	128150	3.99	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.09	264	91623	3.63	ng/ul	0.00

Target Compounds

					Qvalue
16) 4-Methylphenol	8.23	108	7973	1.088	ng/ul 85
24) 2,4-Dimethylphenol	9.43	107	25116	2.874	ng/ul 90
28) Naphthalene	10.30	128	24991527m	1274.306	ng/ul
34) 2-Methylnaphthalene	11.92	142	5638442	357.653	ng/ul 96
40) 1,1'-Biphenyl	12.94	154	1285146	60.751	ng/ul 99
44) Dimethylphthalate	13.59	163	29620	1.272	ng/ul 100
47) Acenaphthylene	13.83	152	241153	9.164	ng/ul# 92
49) Acenaphthene	14.19	153	4243043	239.024	ng/ul 100
53) Dibenzofuran	14.53	168	4878421	181.467	ng/ul 91
58) Fluorene	15.19	166	5133454	228.073	ng/ul 98
69) Phenanthrene	16.93	178	19733641m	590.530	ng/ul
71) Anthracene	17.02	178	3669676	106.592	ng/ul 99
72) Carbazole	17.29	167	2417155	80.475	ng/ul 98
74) Fluoranthene	18.96	202	13406440	311.298	ng/ul# 89
77) Pyrene	19.33	202	8611337	215.801	ng/ul# 95
80) Benzo(a)anthracene	21.07	228	2389860	59.403	ng/ul 98
82) Chrysene	21.13	228	1806510	50.363	ng/ul 98
85) Benzo(b)fluoranthene	22.59	252	1091556	32.204	ng/ul 99
86) Benzo(k)fluoranthene	22.63	252	347916m	10.827	ng/ul
88) Benzo(a)pyrene	23.13	252	598758	19.188	ng/ul# 99
89) Indeno(1,2,3-cd)pyrene	25.33	276	166782	5.153	ng/ul 98
90) Dibenzo(a,h)anthracene	25.33	278	52300	1.939	ng/ul# 94
91) Benzo(g,h,i)perylene	25.97	276	94597	3.672	ng/ul 100

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Misc :
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BNA_M
ClientSampleId :
F5B20

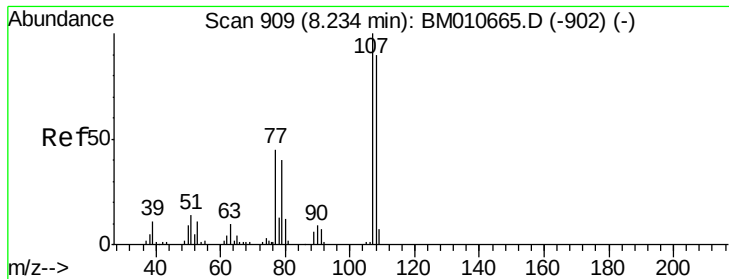
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Quant Time: Jun 23 13:29:11 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 23 05:06:10 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#16

4-Methylphenol

Concen: 1.088 ng/ul

RT: 8.23 min Scan# 908

Delta R.T. -0.01 min

Lab File: BM010678.D

Acq: 23 Jun 2017 02:08

Instrument :

BNA_M

ClientSampled :

F5B20

Tgt Ion:108 Resp: 7973

Ion Ratio Lower Upper

108 100

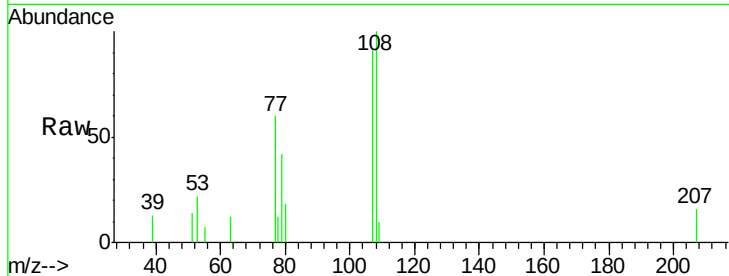
107 91.0 84.9 127.3

Manual Integrations

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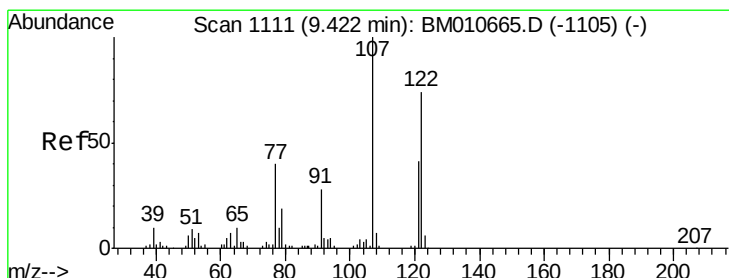
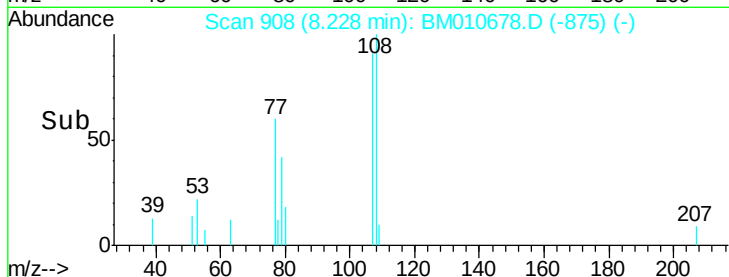


Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

8.23

Time-->



#24

2,4-Dimethylphenol

Concen: 2.874 ng/ul

RT: 9.43 min Scan# 1112

Delta R.T. 0.01 min

Lab File: BM010678.D

Acq: 23 Jun 2017 02:08

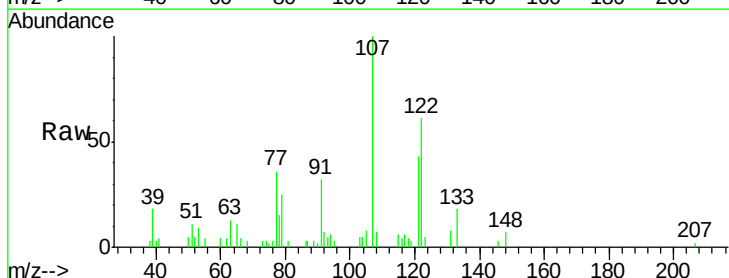
Tgt Ion:107 Resp: 25116

Ion Ratio Lower Upper

107 100

121 42.6 31.9 47.9

122 61.4 57.8 86.6



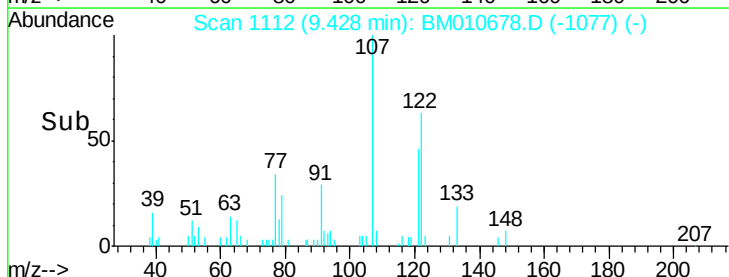
Abundance Ion 107.00 (106.70 to 107.70): E

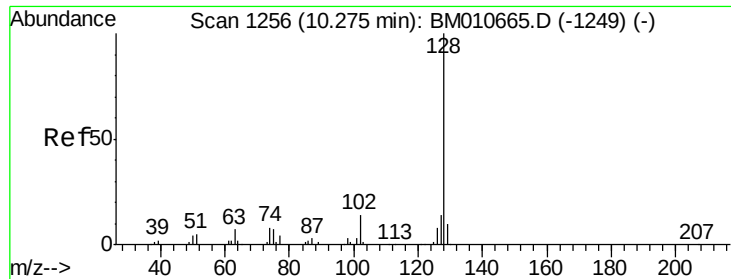
Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E

9.43

Time-->





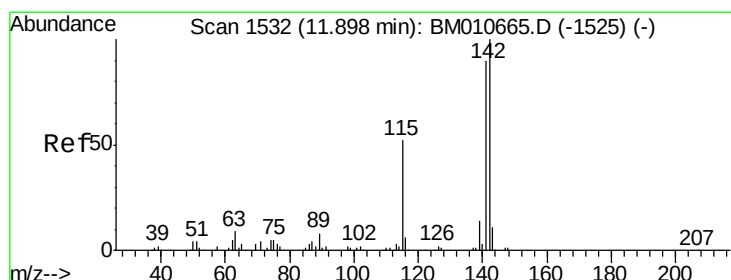
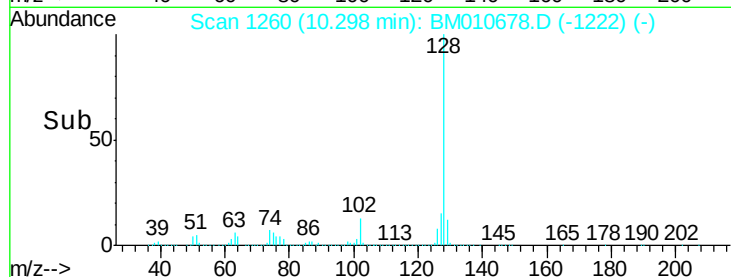
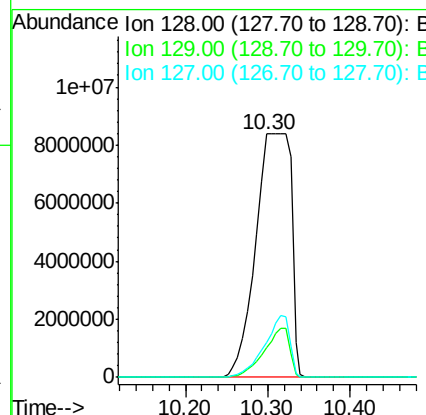
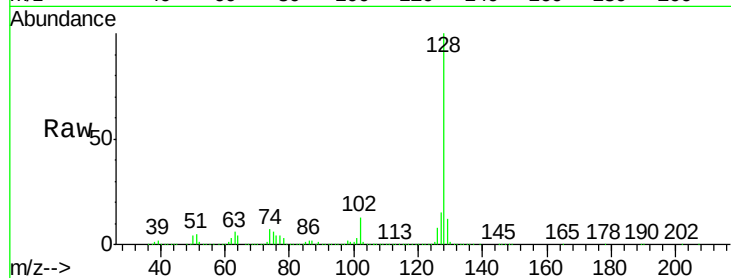
#28
Naphthalene
Concen: 1274.306 ng/ul m
RT: 10.30 min Scan# 1260
Delta R.T. 0.02 min
Lab File: BM010678.D
Acq: 23 Jun 2017 02:08

Instrument :
BNA_M
ClientSampleId :
F5B20

Tgt Ion:128 Resp:24991527
Ion Ratio Lower Upper
128 100
129 12.2 8.8 13.2
127 14.5 10.6 16.0

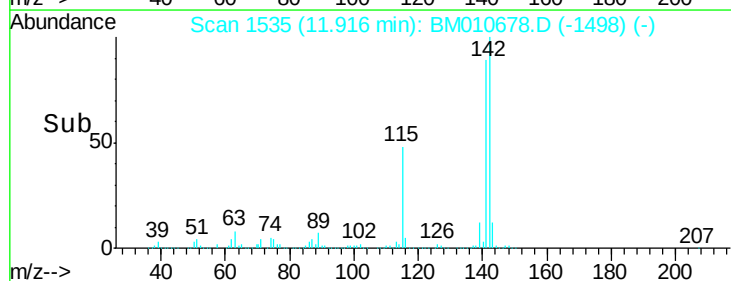
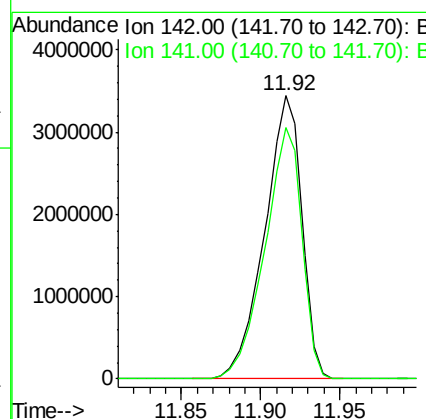
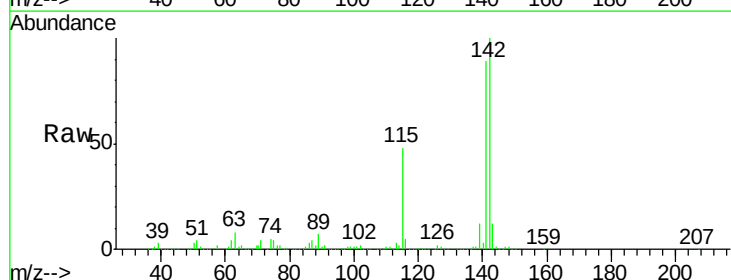
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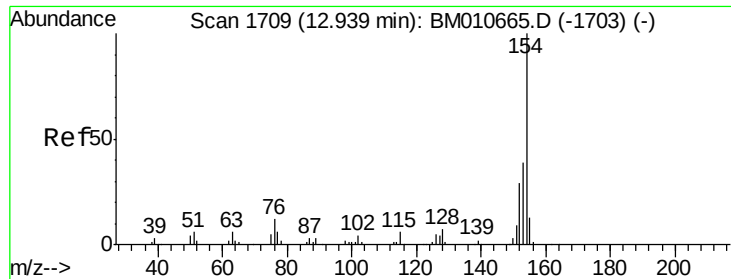
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#34
2-Methylnaphthalene
Concen: 357.653 ng/ul
RT: 11.92 min Scan# 1535
Delta R.T. 0.02 min
Lab File: BM010678.D
Acq: 23 Jun 2017 02:08

Tgt Ion:142 Resp: 5638442
Ion Ratio Lower Upper
142 100
141 89.0 74.1 111.1





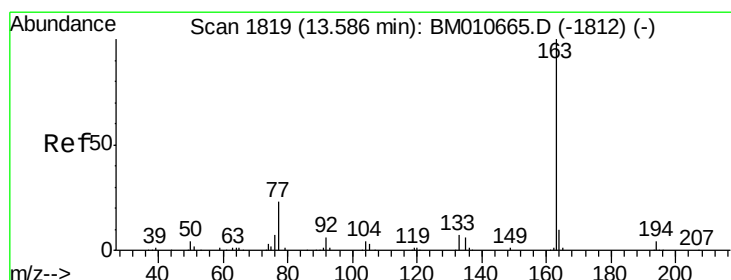
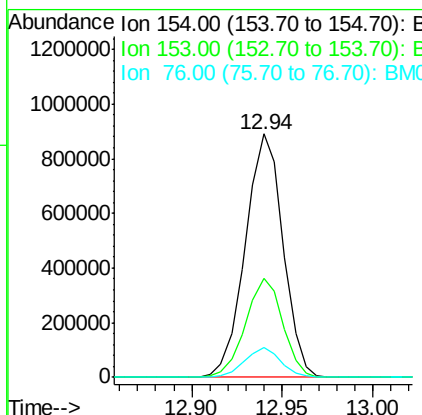
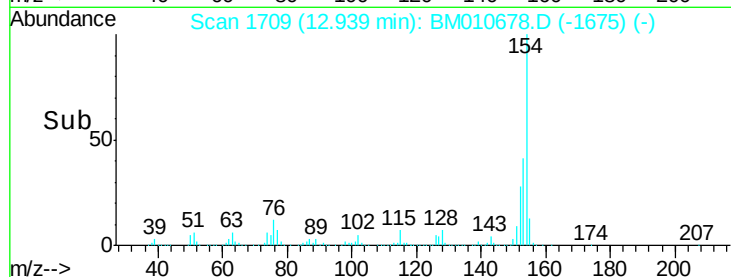
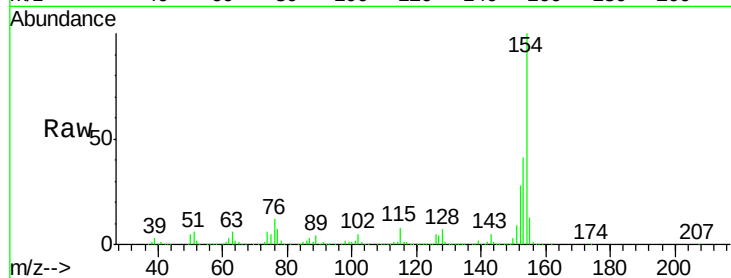
#40
1,1'-Biphenyl
Concen: 60.751 ng/ul
RT: 12.94 min Scan# 1709
Delta R.T. 0.00 min
Lab File: BM010678.D
Acq: 23 Jun 2017 02:08

Instrument :
BNA_M
ClientSampled :
F5B20

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.6	32.6	48.8
76	12.0	8.5	12.7

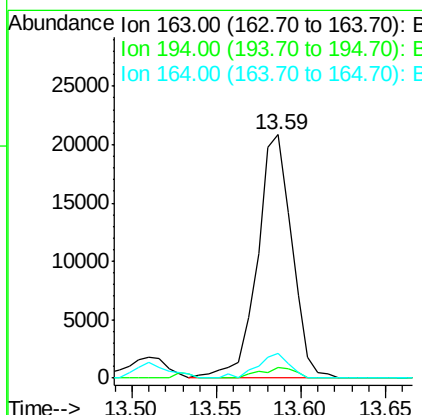
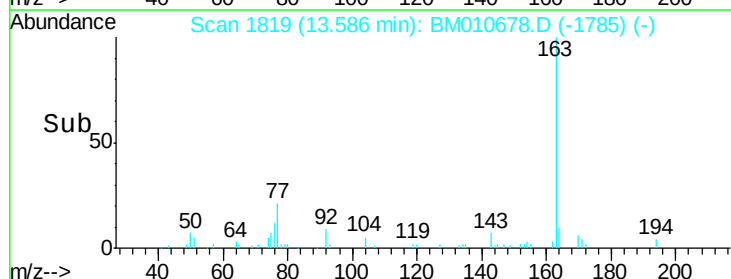
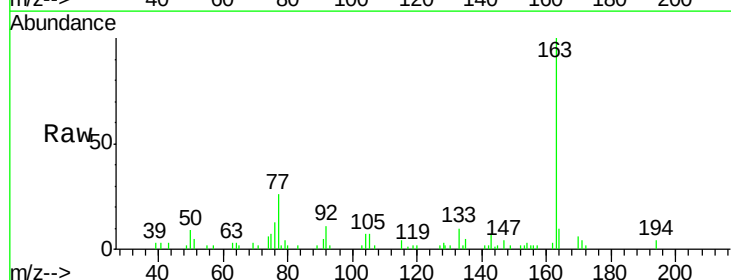
Manual Integrations
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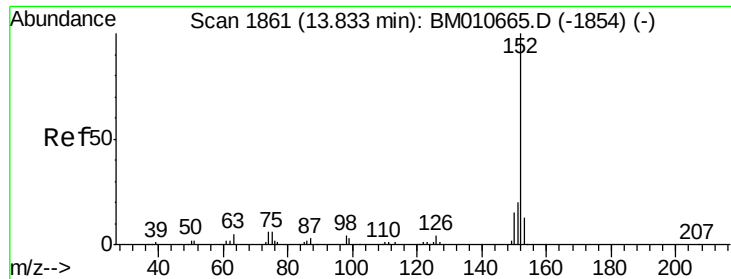
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#44
Dimethylphthalate
Concen: 1.272 ng/ul
RT: 13.59 min Scan# 1819
Delta R.T. 0.00 min
Lab File: BM010678.D
Acq: 23 Jun 2017 02:08

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.5	5.3
164	10.2	8.2	12.4





#47

Acenaphthylene

Concen: 9.164 ng/ul

RT: 13.83 min Scan# 1861

Delta R.T. 0.00 min

Lab File: BM010678.D

Acq: 23 Jun 2017 02:08

Instrument :

BNA_M

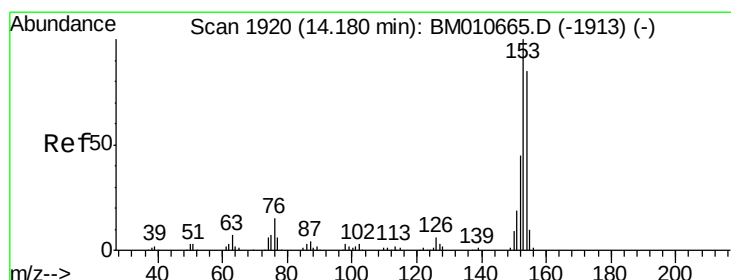
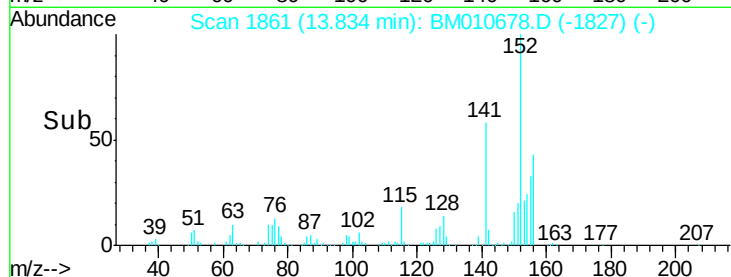
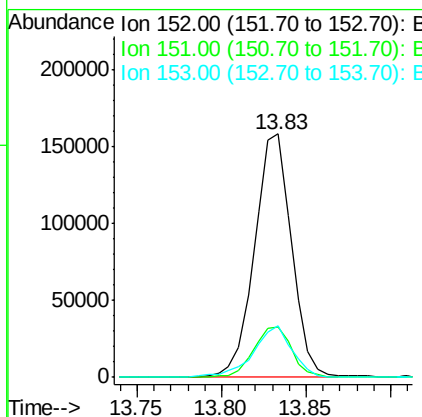
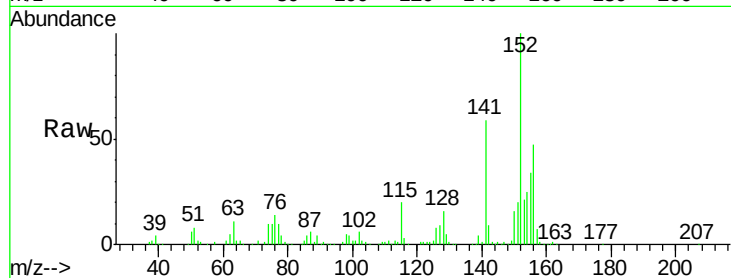
ClientSampleId :

F5B20

Tgt Ion:	152	Resp:	241153
Ion Ratio		Lower	Upper
152	100		
151	20.4	16.3	24.5
153	21.0	10.2	15.4#

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#49

Acenaphthene

Concen: 239.024 ng/ul

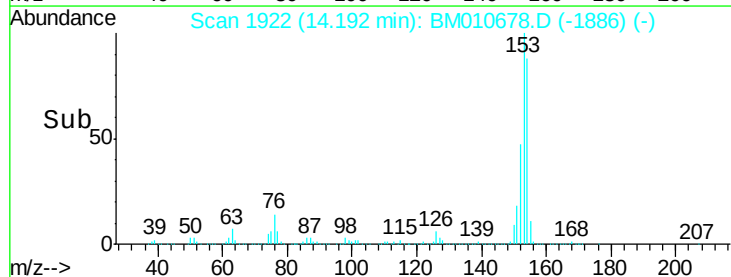
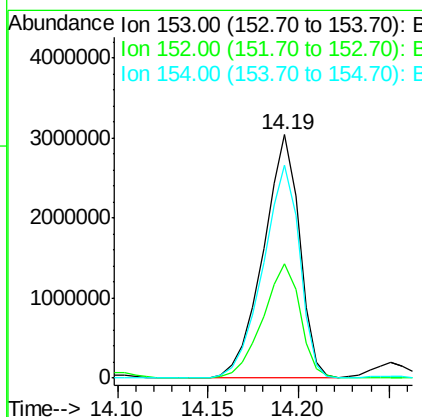
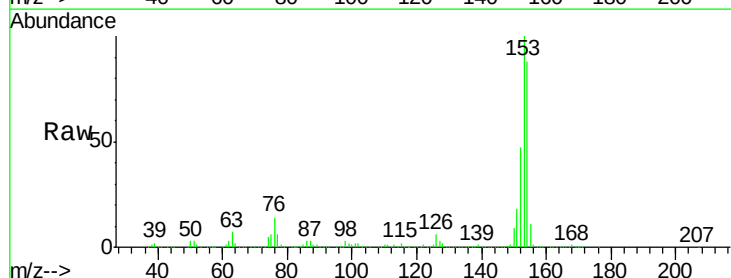
RT: 14.19 min Scan# 1922

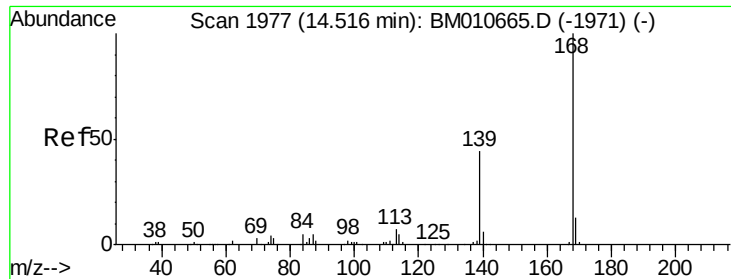
Delta R.T. 0.01 min

Lab File: BM010678.D

Acq: 23 Jun 2017 02:08

Tgt Ion:	153	Resp:	4243043
Ion Ratio		Lower	Upper
153	100		
152	47.0	37.6	56.4
154	87.6	70.4	105.6





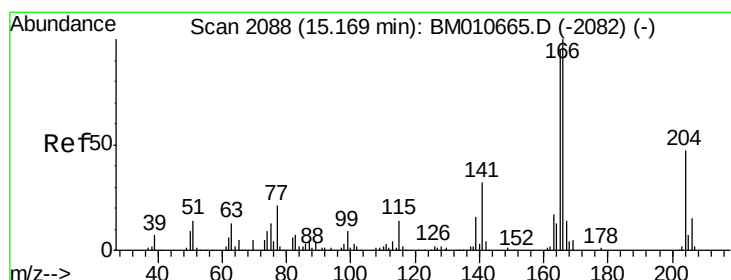
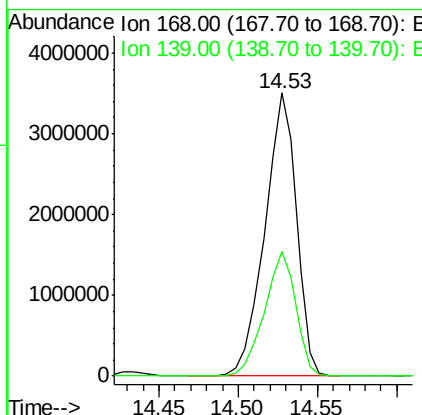
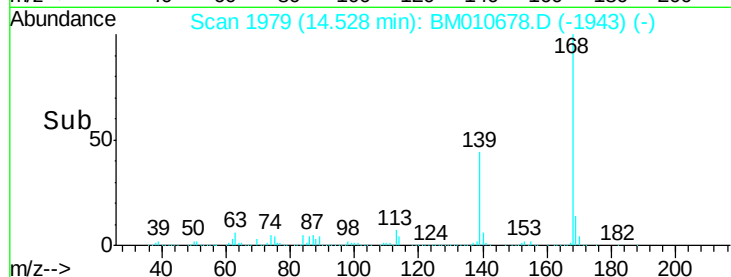
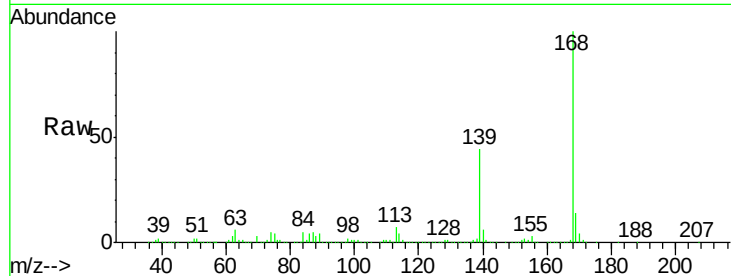
#53
Diben-zofuran
Concen: 181.467 ng/ul
RT: 14.53 min Scan# 1979
Delta R.T. 0.01 min
Lab File: BM010678.D
Acq: 23 Jun 2017 02:08

Instrument :
BNA_M
ClientSampleId :
F5B20

Tgt Ion:168 Resp: 4878421
Ion Ratio Lower Upper
168 100
139 44.1 30.8 46.2

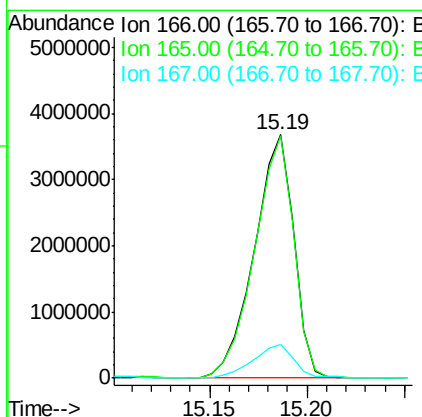
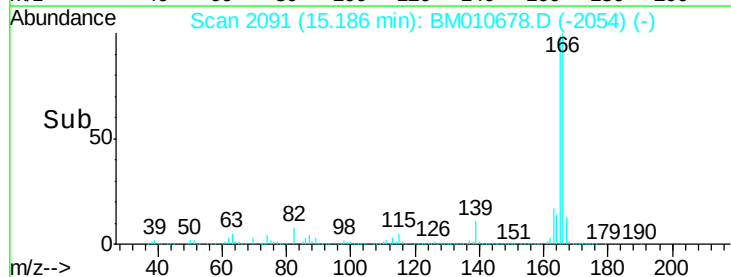
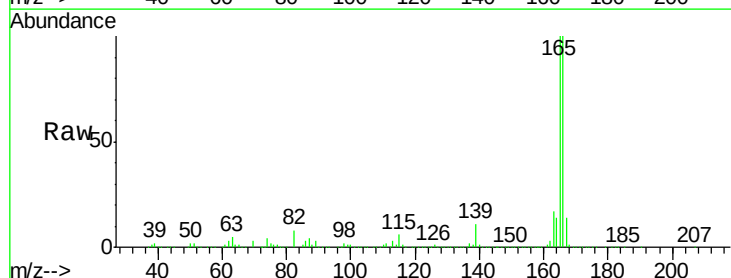
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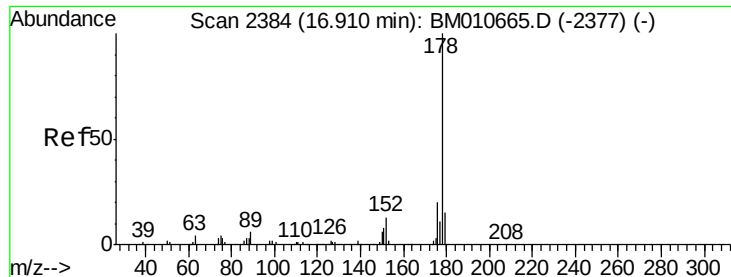
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#58
Fluorene
Concen: 228.073 ng/ul
RT: 15.19 min Scan# 2091
Delta R.T. 0.02 min
Lab File: BM010678.D
Acq: 23 Jun 2017 02:08

Tgt Ion:166 Resp: 5133454
Ion Ratio Lower Upper
166 100
165 99.5 77.9 116.9
167 13.6 10.6 16.0





#69

Phenanthrene

Concen: 590.530 ng/ul m

RT: 16.93 min Scan# 2388

Delta R.T. 0.02 min

Lab File: BM010678.D

Acq: 23 Jun 2017 02:08

Instrument :

BNA_M

ClientSampleId :

F5B20

Tgt Ion:178 Resp:19733641

Ion Ratio Lower Upper

178 100

179 20.0 12.6 19.0#

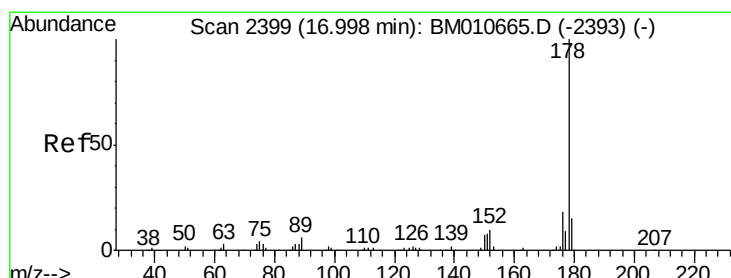
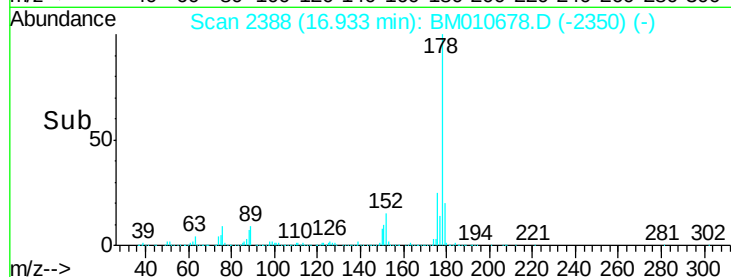
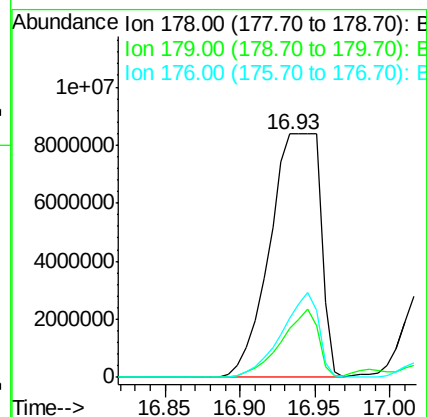
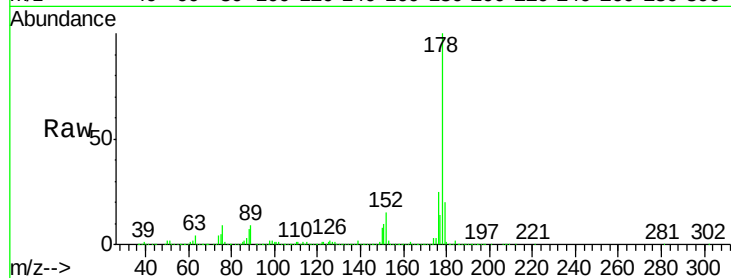
176 24.5 14.9 22.3#

Manual Integrations

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#71

Anthracene

Concen: 106.592 ng/ul

RT: 17.02 min Scan# 2402

Delta R.T. 0.02 min

Lab File: BM010678.D

Acq: 23 Jun 2017 02:08

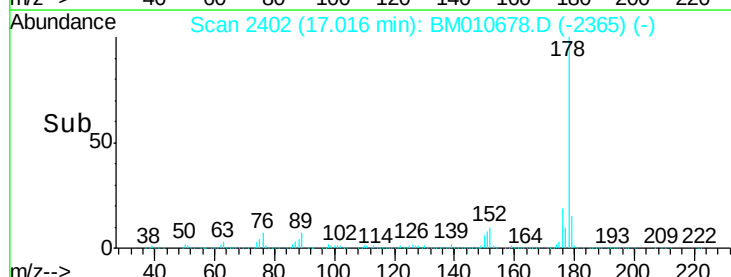
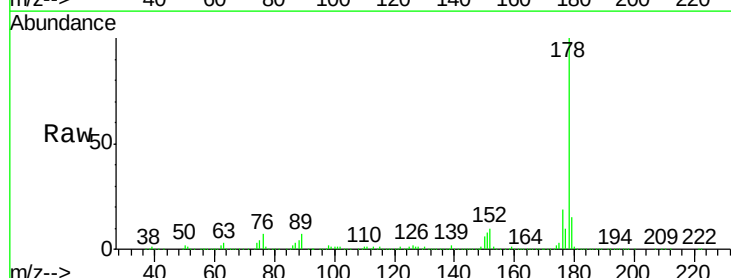
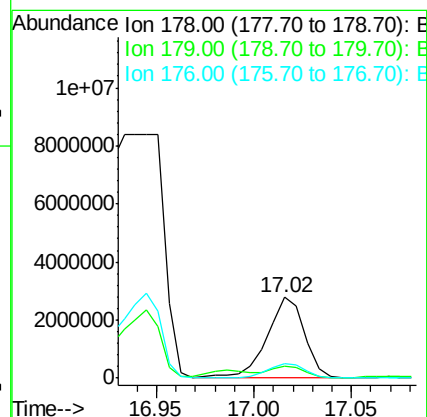
Tgt Ion:178 Resp: 3669676

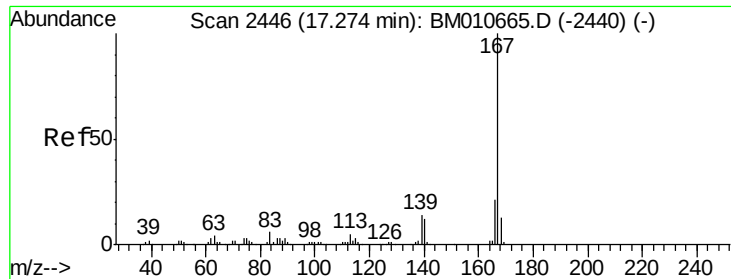
Ion Ratio Lower Upper

178 100

179 15.2 11.7 17.5

176 18.7 14.6 21.8





#72

Carbazole

Concen: 80.475 ng/ul

RT: 17.29 min Scan# 2448

Delta R.T. 0.01 min

Lab File: BM010678.D

Acq: 23 Jun 2017 02:08

Instrument :

BNA_M

ClientSampleId :

F5B20

Tgt Ion:167 Resp: 2417155

Ion Ratio Lower Upper

167 100

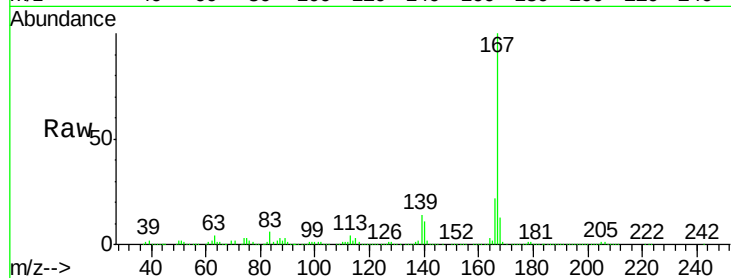
166 21.7 17.1 25.7

139 14.0 10.0 15.0

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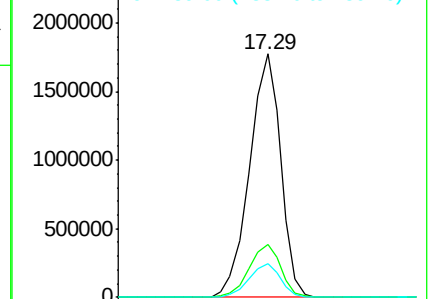
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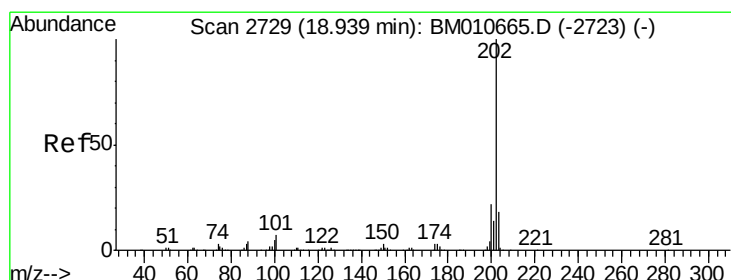
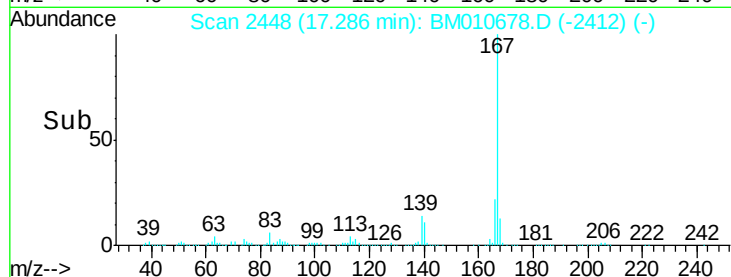
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->



#74

Fluoranthene

Concen: 311.298 ng/ul

RT: 18.96 min Scan# 2733

Delta R.T. 0.02 min

Lab File: BM010678.D

Acq: 23 Jun 2017 02:08

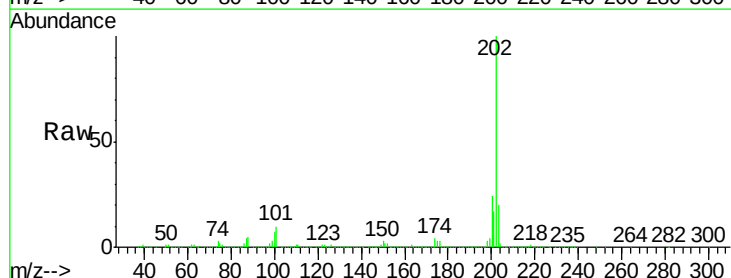
Tgt Ion:202 Resp:13406440

Ion Ratio Lower Upper

202 100

101 9.7 4.6 7.0#

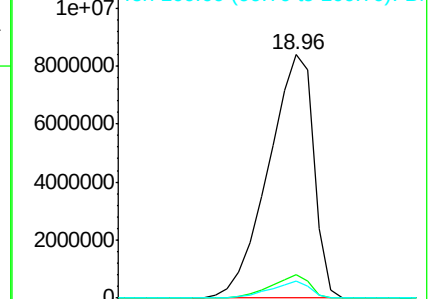
100 7.3 3.4 5.2#



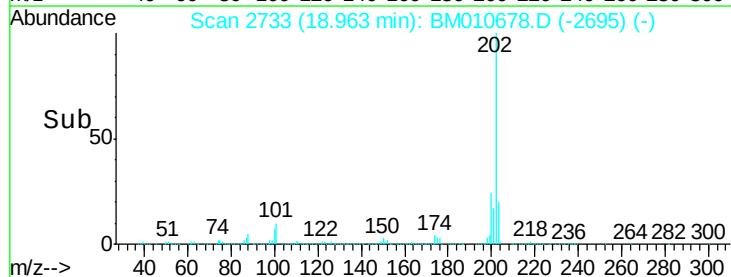
Abundance Ion 202.00 (201.70 to 202.70): E

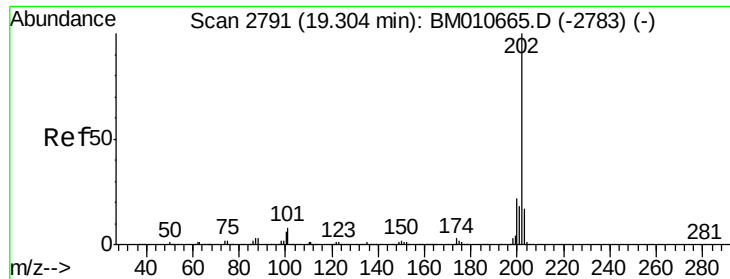
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->





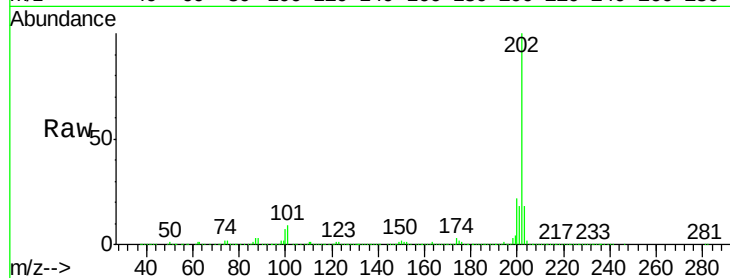
#77
 Pyrene
 Concen: 215.801 ng/ul
 RT: 19.33 min Scan# 2795
 Delta R.T. 0.02 min
 Lab File: BM010678.D
 Acq: 23 Jun 2017 02:08

Instrument :
 BNA_M
 ClientSampleId :
 F5B20

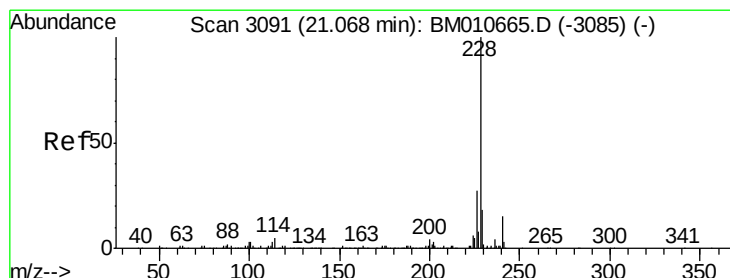
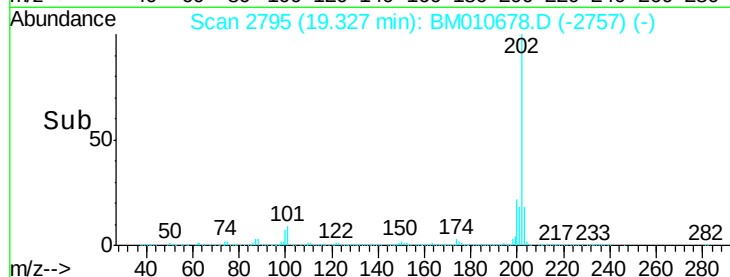
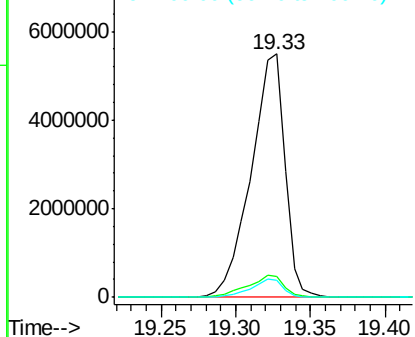
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.7	5.1	7.7#
100	6.9	4.9	7.3

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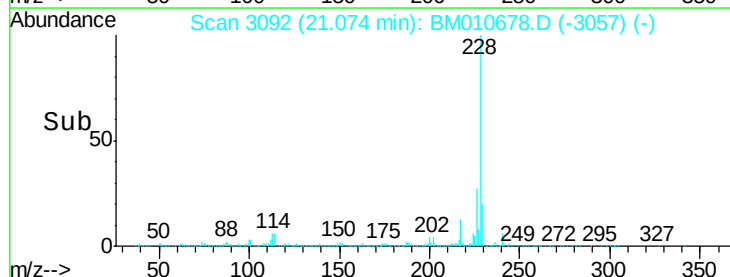
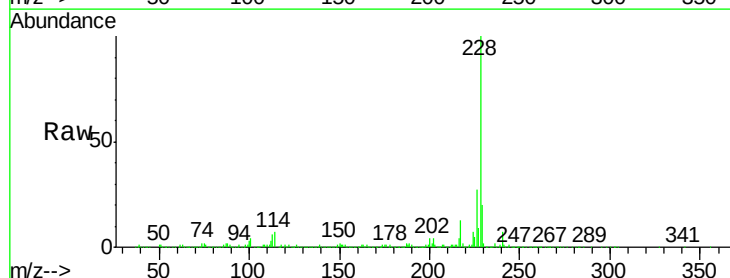
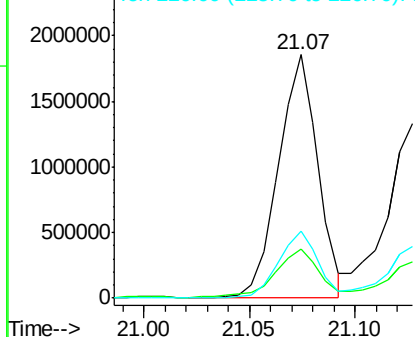
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

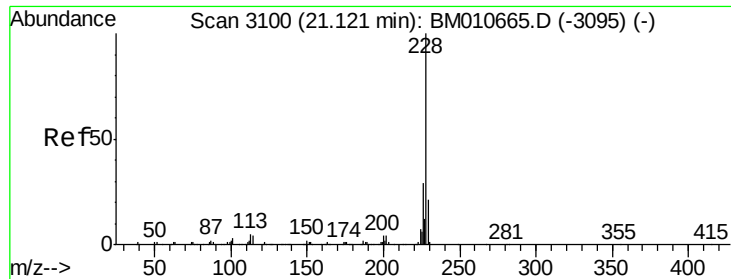


#80
 Benzo(a)anthracene
 Concen: 59.403 ng/ul
 RT: 21.07 min Scan# 3092
 Delta R.T. 0.01 min
 Lab File: BM010678.D
 Acq: 23 Jun 2017 02:08

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.4	15.4	23.0
226	27.3	21.4	32.0

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





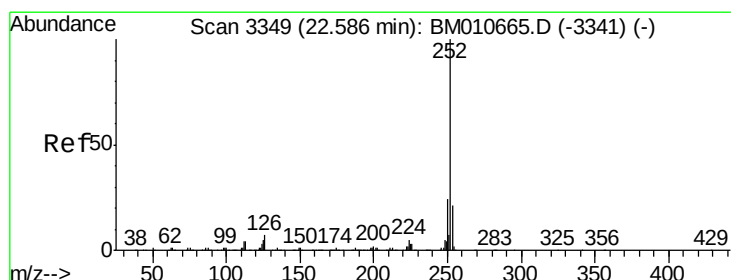
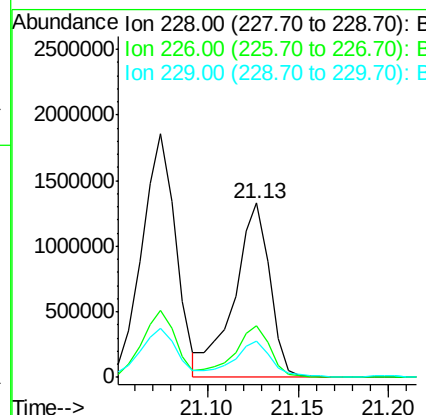
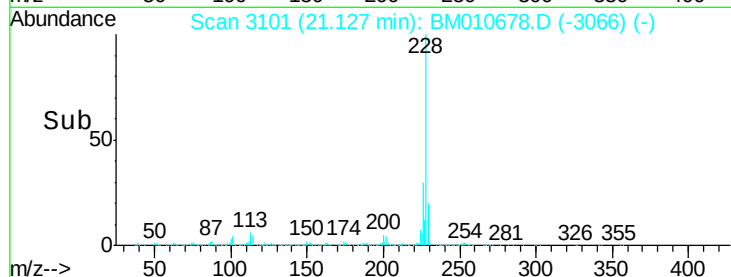
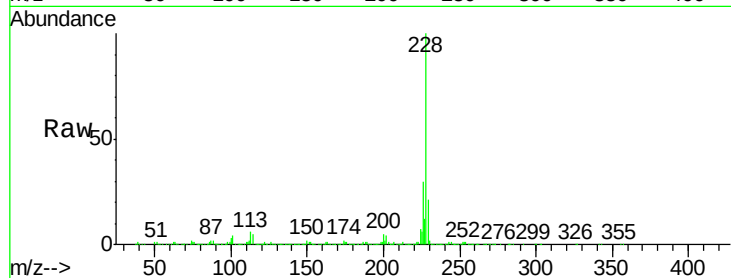
#82
Chrysene
Concen: 50.363 ng/ul
RT: 21.13 min Scan# 3101
Delta R.T. 0.01 min
Lab File: BM010678.D
Acq: 23 Jun 2017 02:08

Instrument :
BNA_M
ClientSampleId :
F5B20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.4	35.2
229	20.5	15.5	23.3

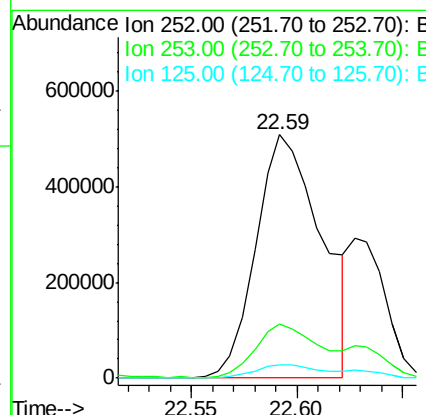
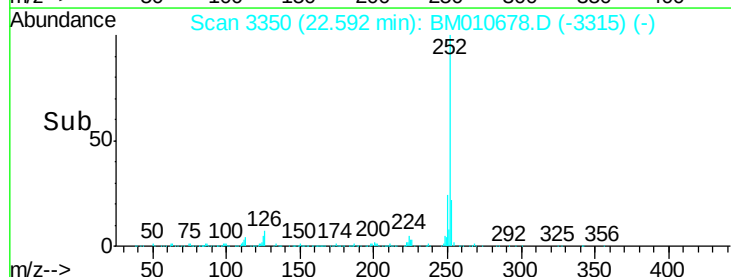
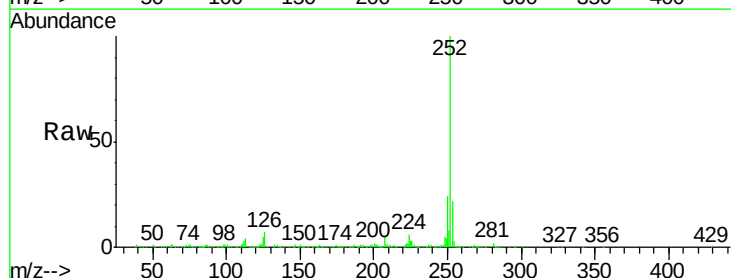
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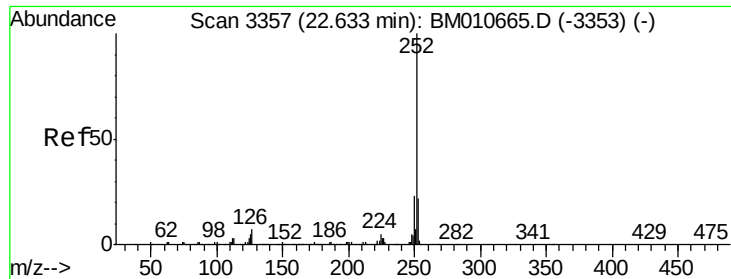
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#85
Benzo(b)fluoranthene
Concen: 32.204 ng/ul
RT: 22.59 min Scan# 3350
Delta R.T. 0.01 min
Lab File: BM010678.D
Acq: 23 Jun 2017 02:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	5.3	3.6	5.4





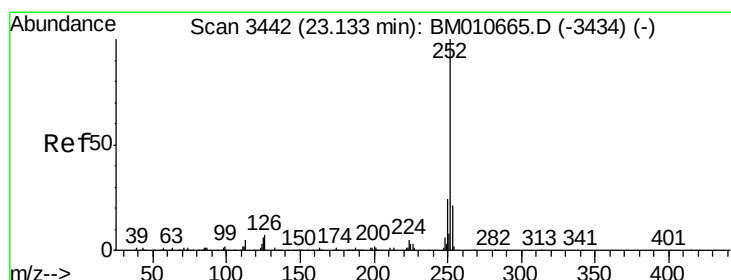
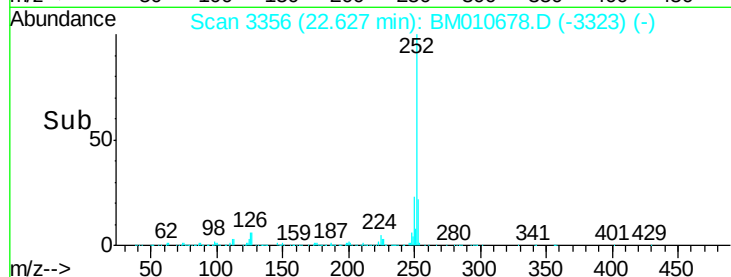
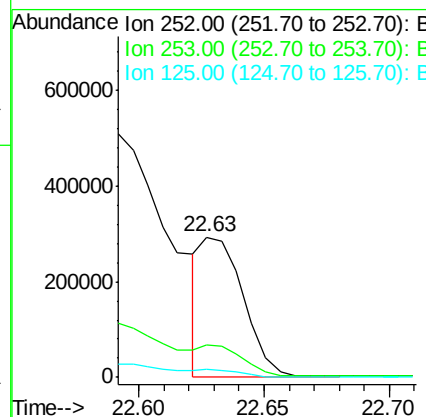
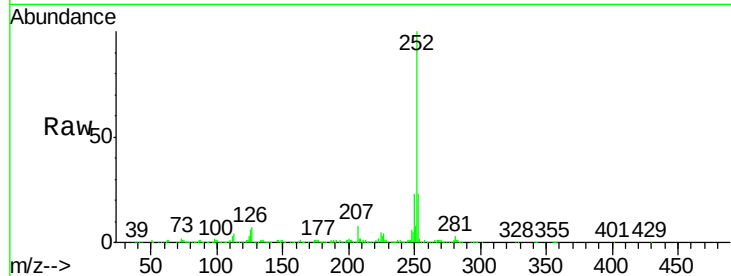
#86
Benzo(k)fluoranthene
Concen: 10.827 ng/ul m
RT: 22.63 min Scan# 3356
Delta R.T. -0.01 min
Lab File: BM010678.D
Acq: 23 Jun 2017 02:08

Instrument :
BNA_M
ClientSampled :
F5B20

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	347916		
253	22.8	17.1	25.7	
125	5.7	3.4	5.2#	

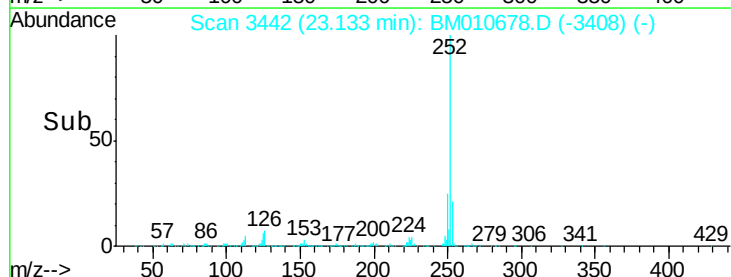
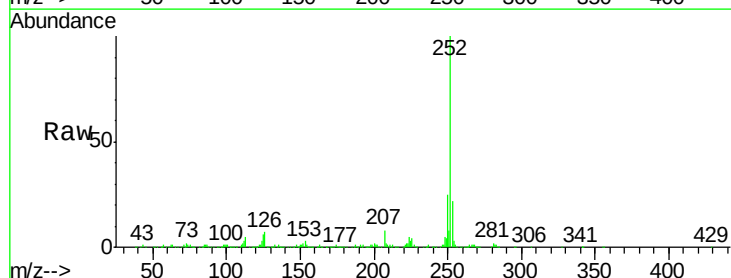
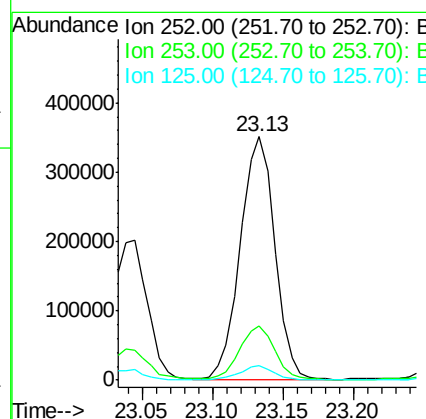
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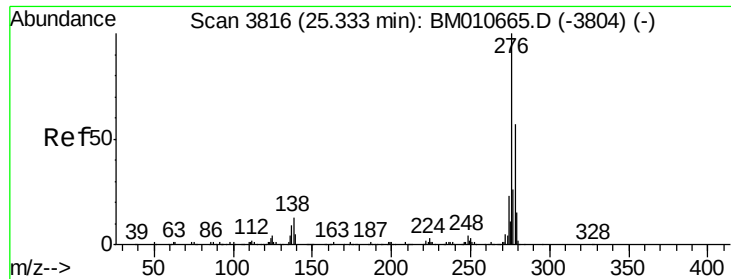
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#88
Benzo(a)pyrene
Concen: 19.188 ng/ul
RT: 23.13 min Scan# 3442
Delta R.T. 0.00 min
Lab File: BM010678.D
Acq: 23 Jun 2017 02:08

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	598758		
253	22.5	18.2	27.2	
125	6.0	4.0	6.0#	





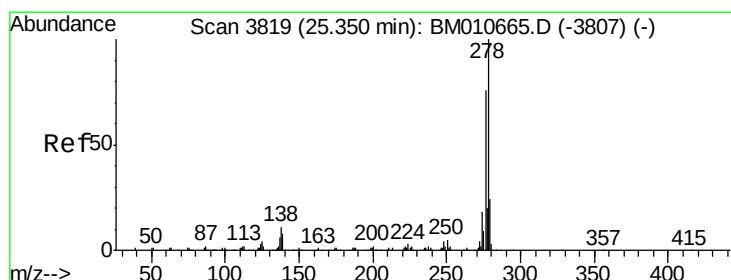
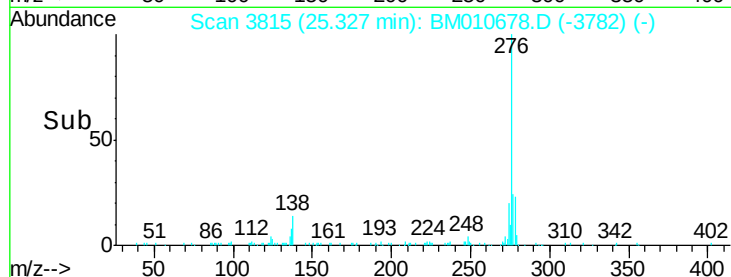
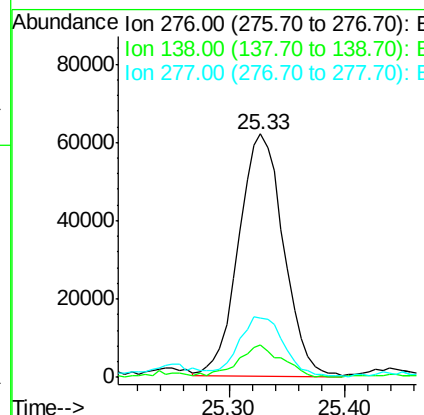
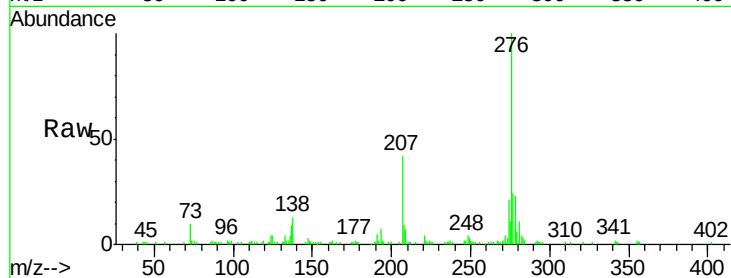
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 5.153 ng/ul
 RT: 25.33 min Scan# 3815
 Delta R.T. -0.01 min
 Lab File: BM010678.D
 Acq: 23 Jun 2017 02:08

Instrument :
 BNA_M
 ClientSampleId :
 F5B20

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	166782		
138	13.3	9.3	13.9	
277	24.3	19.9	29.9	

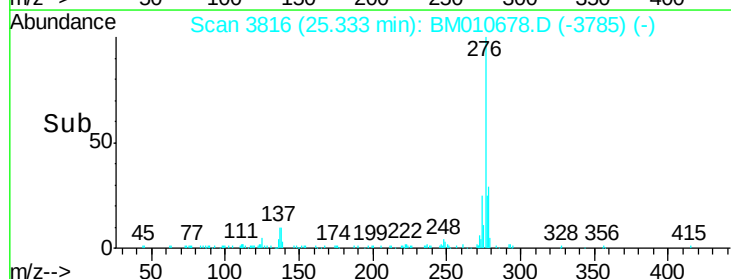
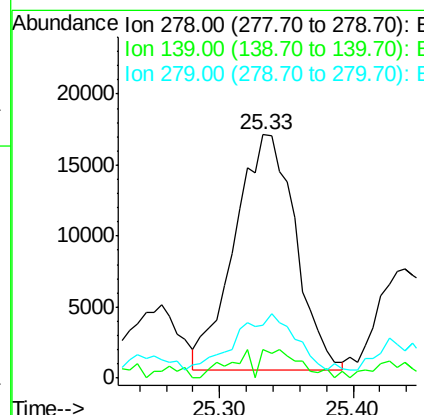
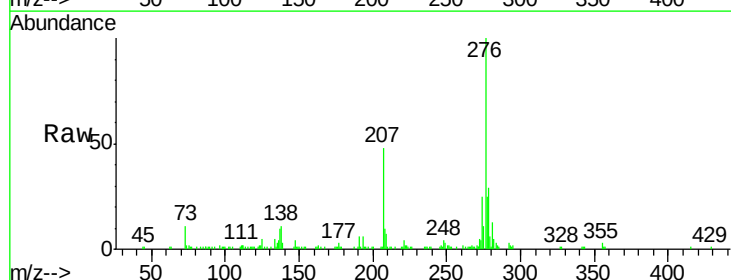
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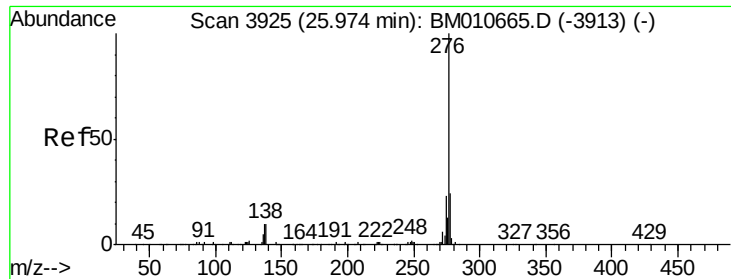
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#90
 Dibenzo(a,h)anthracene
 Concen: 1.939 ng/ul
 RT: 25.33 min Scan# 3816
 Delta R.T. -0.02 min
 Lab File: BM010678.D
 Acq: 23 Jun 2017 02:08

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	52300		
139	11.8	5.8	8.8#	
279	21.5	18.6	27.8	





#91
 Benzo(g,h,i)perylene
 Concen: 3.672 ng/ul
 RT: 25.97 min Scan# 3925
 Delta R.T. 0.00 min
 Lab File: BM010678.D
 Acq: 23 Jun 2017 02:08

Instrument :
 BNA_M
 ClientSampleId :
 F5B20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	10.5	8.5	12.7
277	23.2	18.6	28.0

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