

Data File : BM010672.D
Acq On : 22 Jun 2017 22:33
Operator : SJ/JU
Sample : I3653-02 25X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5B19

Quant Time: Jun 23 05:09:00 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	60916	20.00	ng/ul	0.00
18) Naphthalene-d8	10.23	136	272112	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.12	164	185950	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	457821	20.00	ng/ul	0.00
75) Chrysene-d12	21.09	240	556500	20.00	ng/ul	0.00
83) Perylene-d12	23.22	264	425885	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.65	99	2394	0.41	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.82	67	1616	0.49	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	908	0.22	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	1124	0.23	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	315	0.16	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.32	143	1489	0.67	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	2593	0.55	ng/ul	0.00
29) 4-Chloroaniline-d4	10.38	131	7138	1.44	ng/ul	0.01
43) Dimethylphthalate-d6	13.53	166	11678	0.72	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	11247	0.59	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	1901	0.66	ng/ul	0.00
57) Fluorene-d10	15.11	176	11222	0.80	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	1175	0.42	ng/ul	0.00
70) Anthracene-d10	16.97	188	17442	0.79	ng/ul	0.00
76) Pyrene-d10	19.28	212	20559	0.80	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.08	264	14939	0.73	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.29	128	4482046	330.99	ng/ul	99
30) 4-Chloroaniline	10.29	127	607185	121.68	ng/ul#	25
34) 2-Methylnaphthalene	11.90	142	868462	79.78	ng/ul	96
40) 1,1'-Biphenyl	12.94	154	254070	17.48	ng/ul	99
47) Acenaphthylene	13.83	152	76564	4.23	ng/ul#	94
49) Acenaphthene	14.18	153	849858	69.66	ng/ul	100
53) Dibenzofuran	14.52	168	1035937	56.07	ng/ul	90
58) Fluorene	15.17	166	1124364	72.69	ng/ul	100
60) 4-Nitroaniline	15.17	138	17028	5.16	ng/ul#	1
69) Phenanthrene	16.92	178	5640690	231.75	ng/ul	98
71) Anthracene	17.00	178	779361	31.08	ng/ul	98
72) Carbazole	17.27	167	512110	23.41	ng/ul	97
74) Fluoranthene	18.94	202	3464723	110.46	ng/ul#	96
77) Pyrene	19.31	202	2222117	69.13	ng/ul#	97
80) Benzo(a)anthracene	21.07	228	704145	21.73	ng/ul	98
82) Chrysene	21.12	228	508755	17.61	ng/ul	99
85) Benzo(b)fluoranthene	22.59	252	307265	11.11	ng/ul	99
86) Benzo(k)fluoranthene	22.59	252	307265	11.72	ng/ul	98
88) Benzo(a)pyrene	23.13	252	172479	6.78	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.33	276	48131	1.82	ng/ul	97
91) Benzo(g,h,i)perylene	25.97	276	28382	1.35	ng/ul	97

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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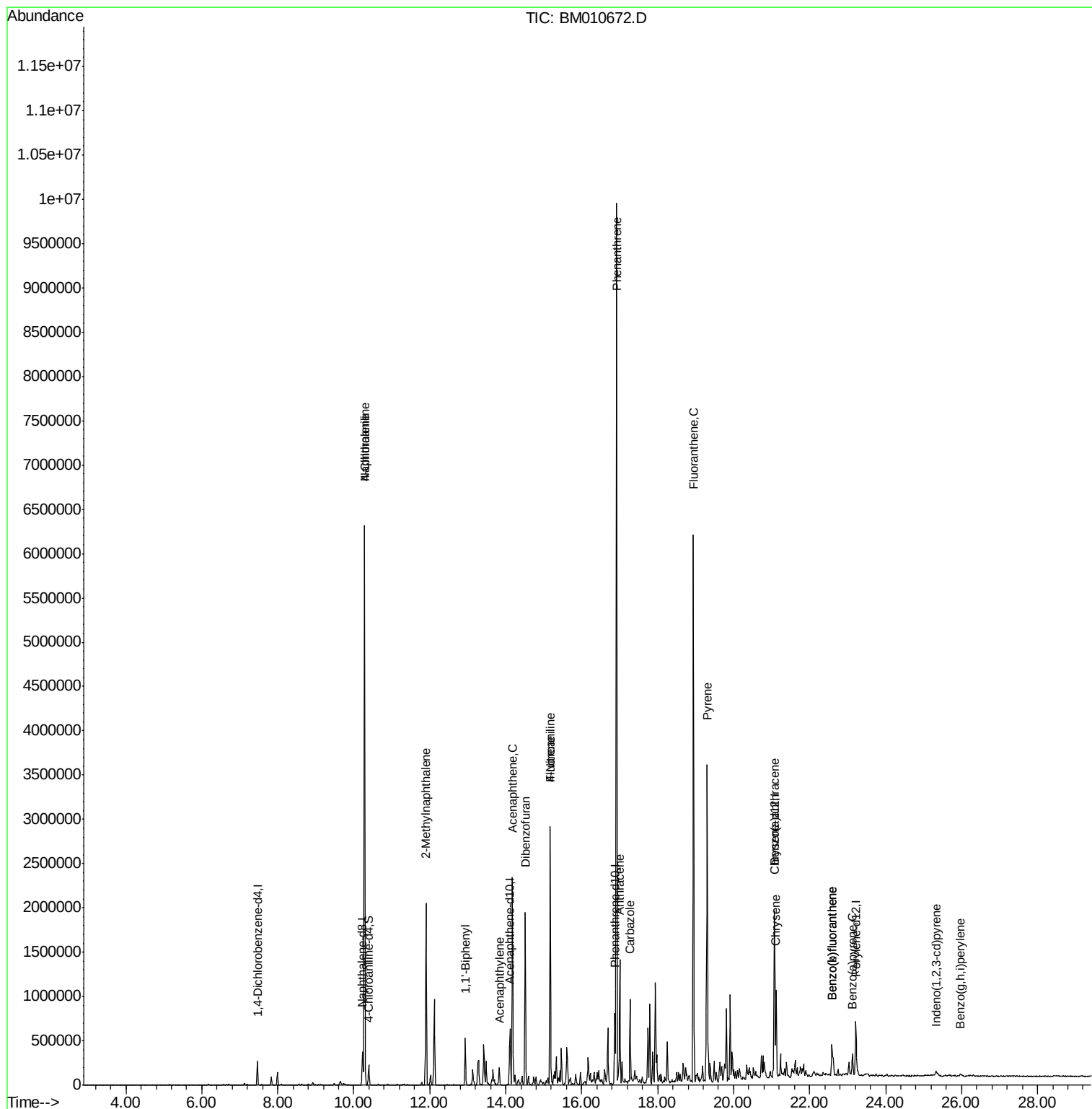
Quant Time: Jun 23 05:09:00 2017

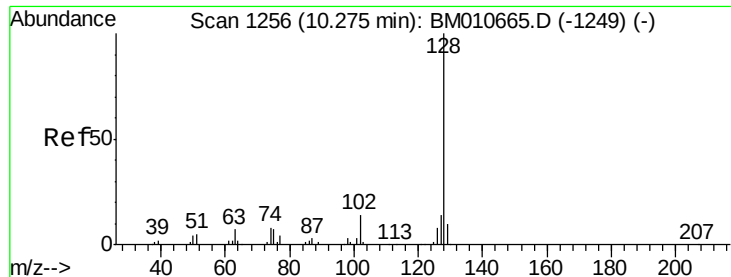
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri Jun 23 05:06:10 2017

Response via : Initial Calibration





#28

Naphthalene

Concen: 330.99 ng/ul

RT: 10.29 min Scan# 1258

Delta R.T. 0.01 min

Lab File: BM010672.D

Acq: 22 Jun 2017 22:33

Instrument :

BNA_M

ClientSampleId :

F5B19

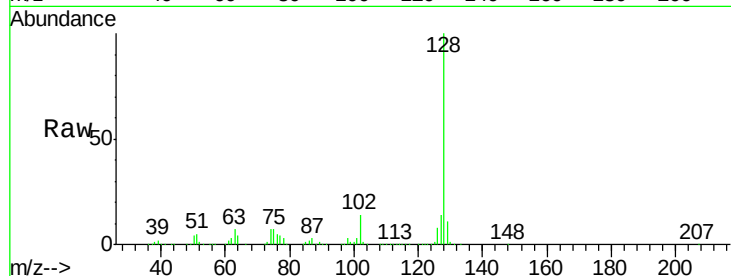
Tgt Ion:128 Resp: 4482046

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

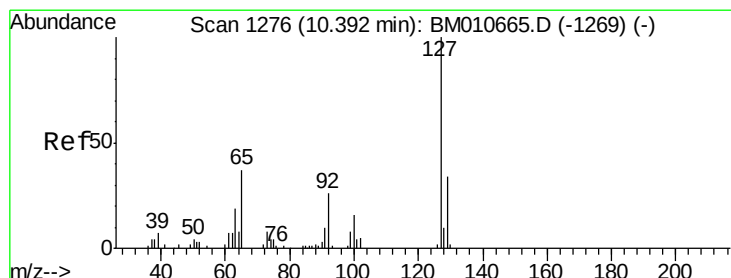
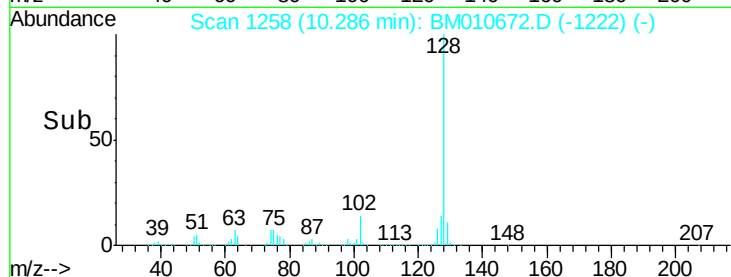
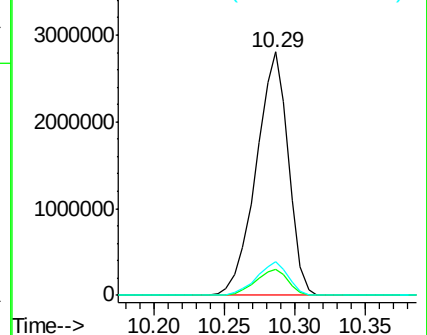
127 13.7 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#30

4-Chloroaniline

Concen: 121.68 ng/ul

RT: 10.29 min Scan# 1258

Delta R.T. -0.11 min

Lab File: BM010672.D

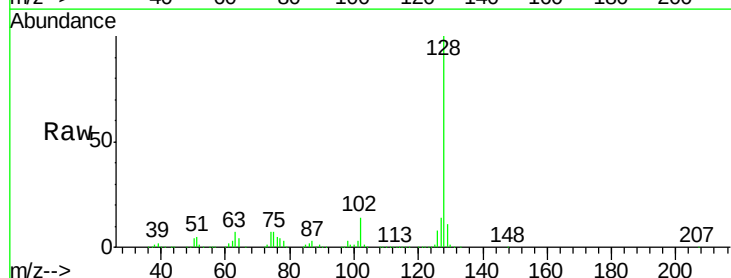
Acq: 22 Jun 2017 22:33

Tgt Ion:127 Resp: 607185

Ion Ratio Lower Upper

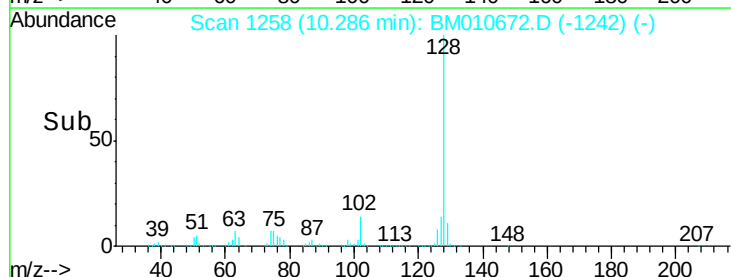
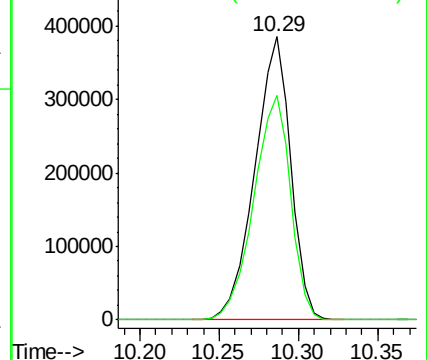
127 100

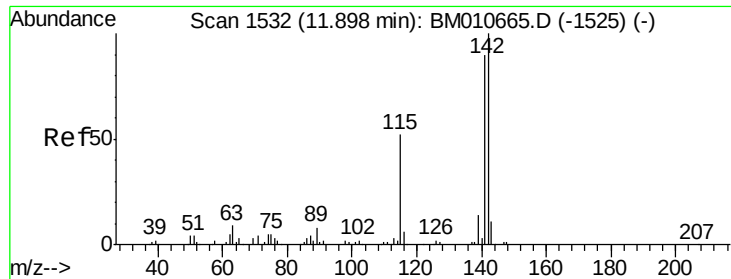
129 79.2 28.4 42.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

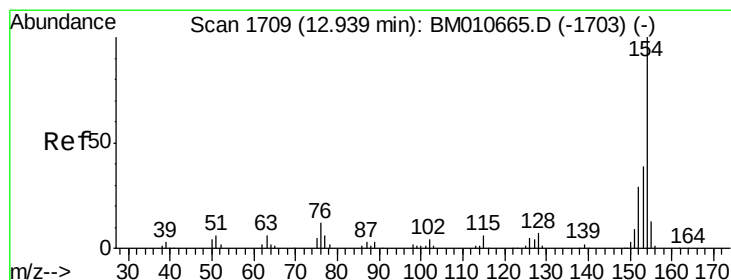
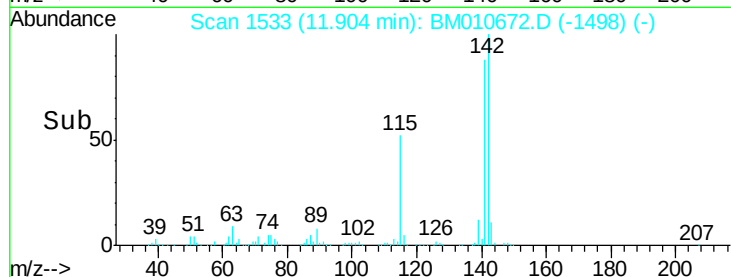
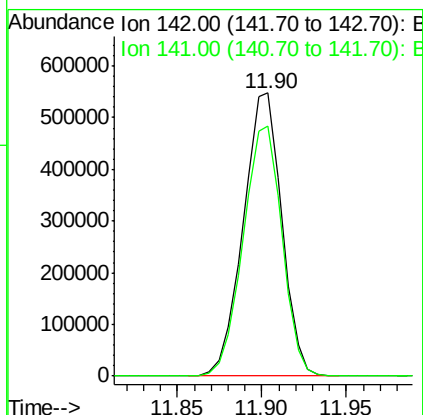
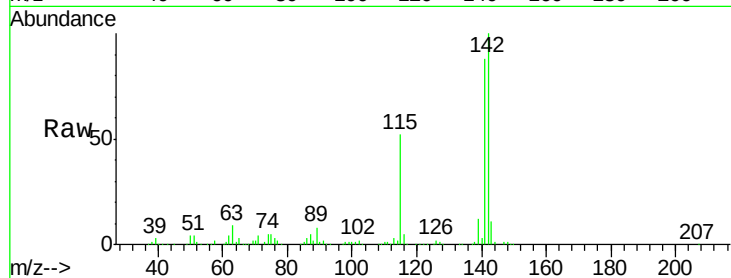




#34
 2-Methylnaphthalene
 Concen: 79.78 ng/ul
 RT: 11.90 min Scan# 1533
 Delta R.T. 0.01 min
 Lab File: BM010672.D
 Acq: 22 Jun 2017 22:33

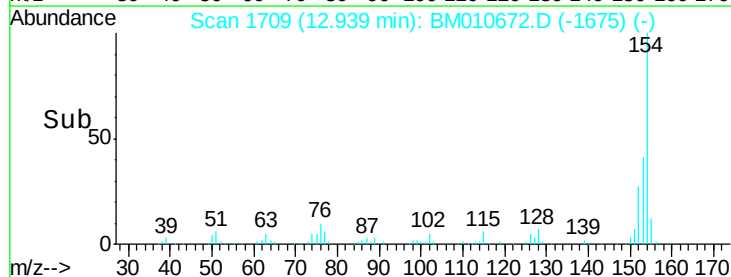
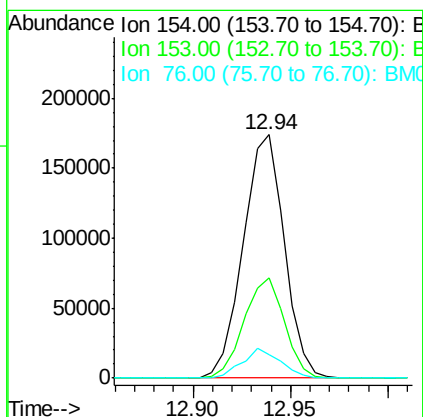
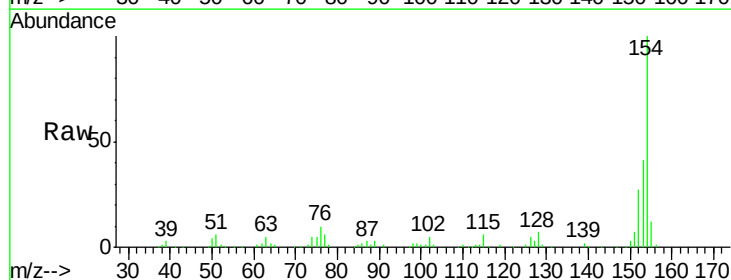
Instrument :
 BNA_M
 ClientSampleId :
 F5B19

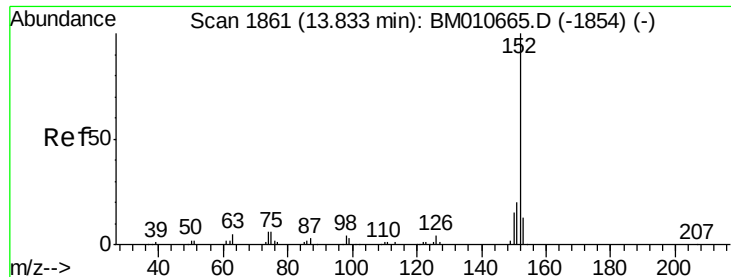
Tgt Ion:142 Resp: 868462
 Ion Ratio Lower Upper
 142 100
 141 88.4 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 17.48 ng/ul
 RT: 12.94 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: BM010672.D
 Acq: 22 Jun 2017 22:33

Tgt Ion:154 Resp: 254070
 Ion Ratio Lower Upper
 154 100
 153 41.1 32.6 48.8
 76 9.7 8.5 12.7





#47

Acenaphthylene

Concen: 4.23 ng/ul

RT: 13.83 min Scan# 1860

Delta R.T. -0.01 min

Lab File: BM010672.D

Acq: 22 Jun 2017 22:33

Instrument :

BNA_M

ClientSampleId :

F5B19

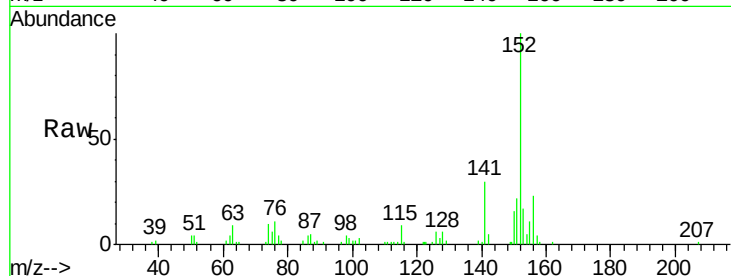
Tgt Ion:152 Resp: 76564

Ion Ratio Lower Upper

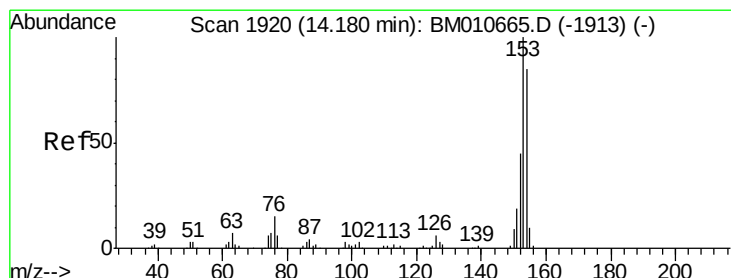
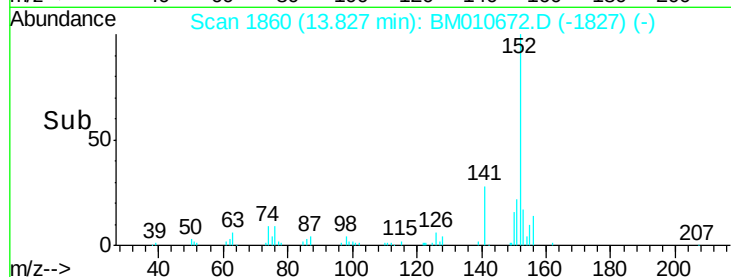
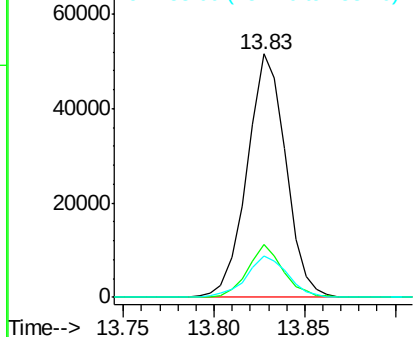
152 100

151 21.9 16.3 24.5

153 17.2 10.2 15.4#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 69.66 ng/ul

RT: 14.18 min Scan# 1920

Delta R.T. -0.00 min

Lab File: BM010672.D

Acq: 22 Jun 2017 22:33

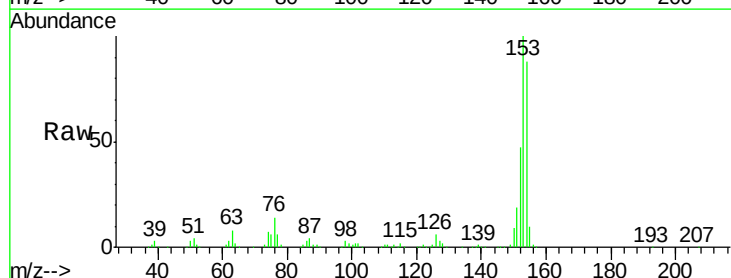
Tgt Ion:153 Resp: 849858

Ion Ratio Lower Upper

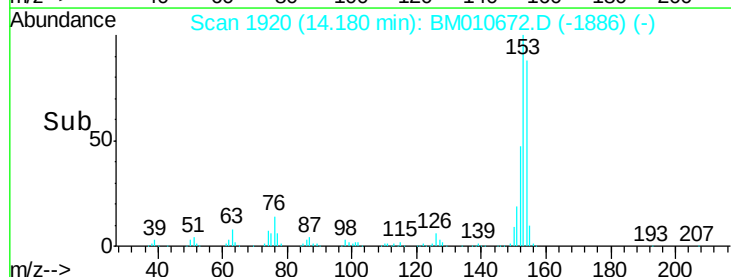
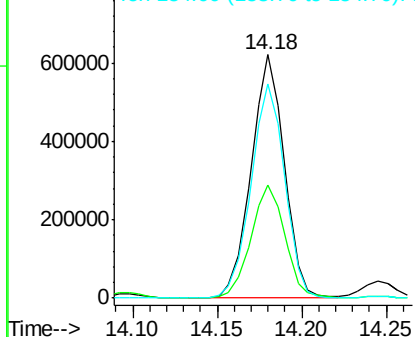
153 100

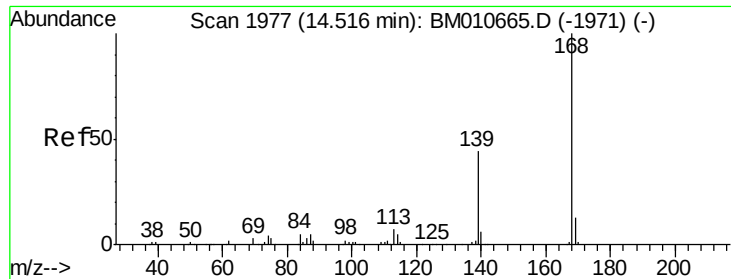
152 46.6 37.6 56.4

154 87.8 70.4 105.6



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





#53

Dibenzofuran

Concen: 56.07 ng/ul

RT: 14.52 min Scan# 1977

Delta R.T. -0.00 min

Lab File: BM010672.D

Acq: 22 Jun 2017 22:33

Instrument :

BNA_M

ClientSampleId :

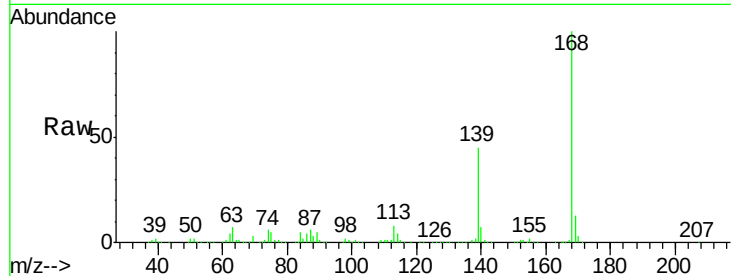
F5B19

Tgt Ion:168 Resp: 1035937

Ion Ratio Lower Upper

168 100

139 44.6 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.52

800000

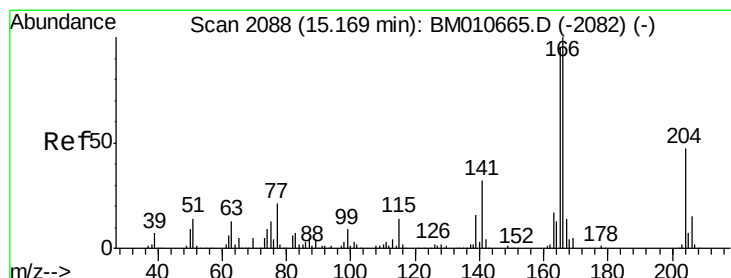
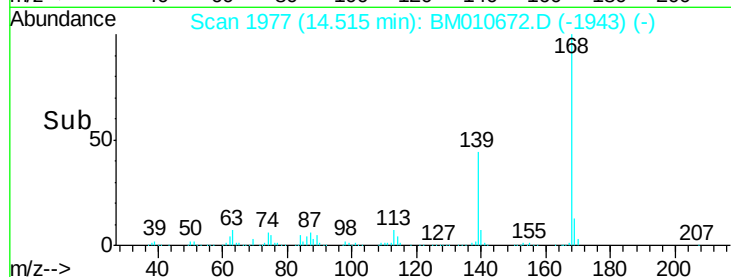
600000

400000

200000

0

Time--> 14.45 14.50 14.55 14.60



#58

Fluorene

Concen: 72.69 ng/ul

RT: 15.17 min Scan# 2089

Delta R.T. 0.01 min

Lab File: BM010672.D

Acq: 22 Jun 2017 22:33

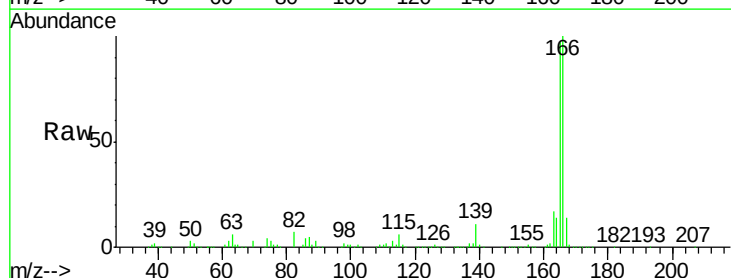
Tgt Ion:166 Resp: 1124364

Ion Ratio Lower Upper

166 100

165 97.4 77.9 116.9

167 13.6 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.17

1000000

800000

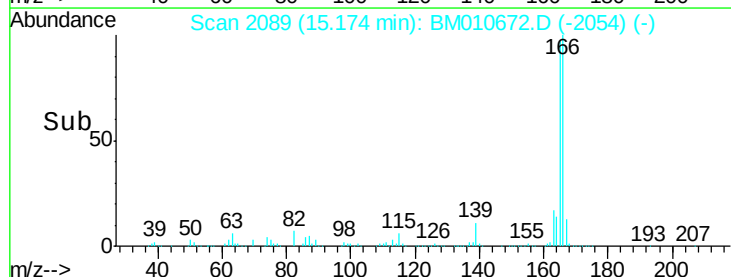
600000

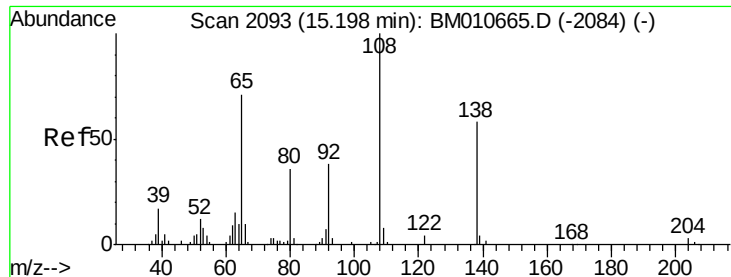
400000

200000

0

Time--> 15.10 15.15 15.20

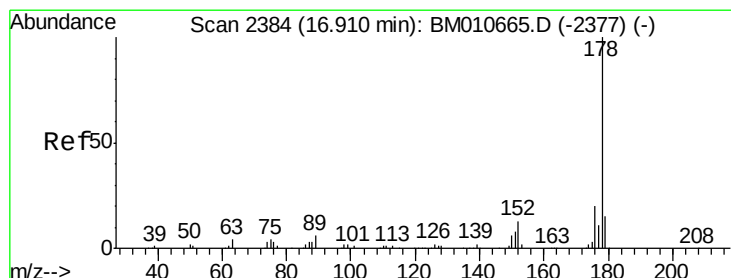
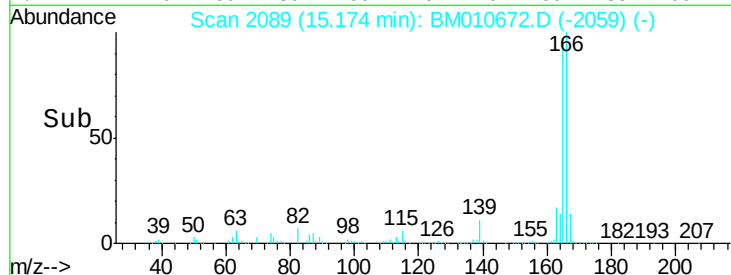
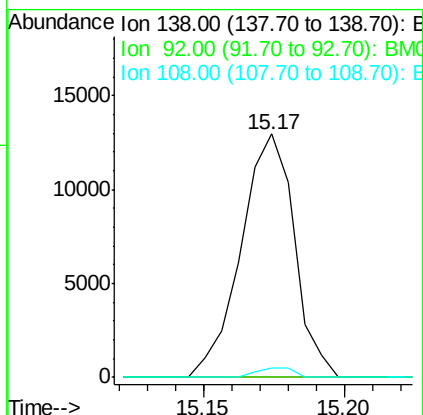
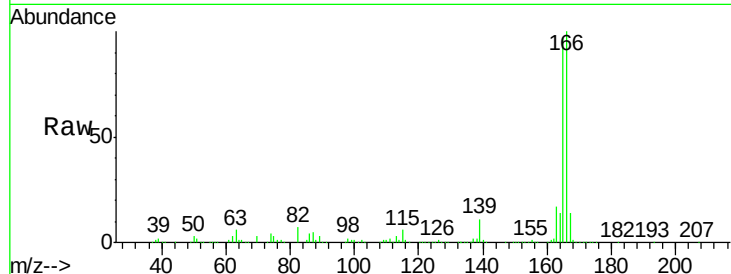




#60
 4-Nitroaniline
 Concen: 5.16 ng/ul
 RT: 15.17 min Scan# 2089
 Delta R.T. -0.02 min
 Lab File: BM010672.D
 Acq: 22 Jun 2017 22:33

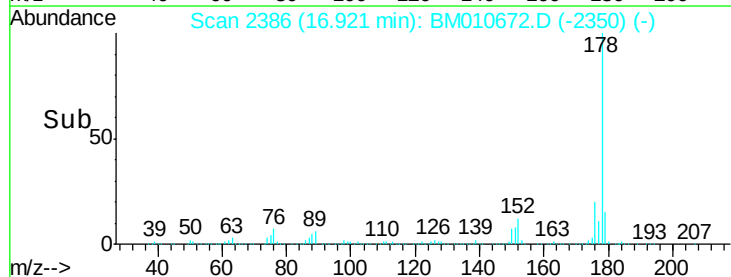
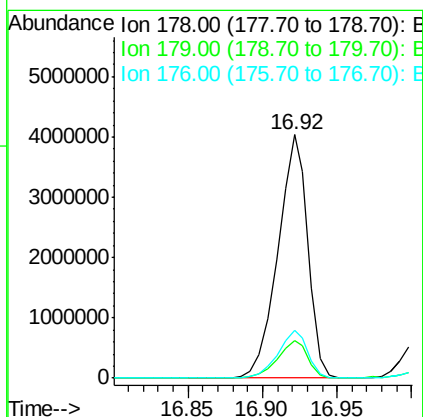
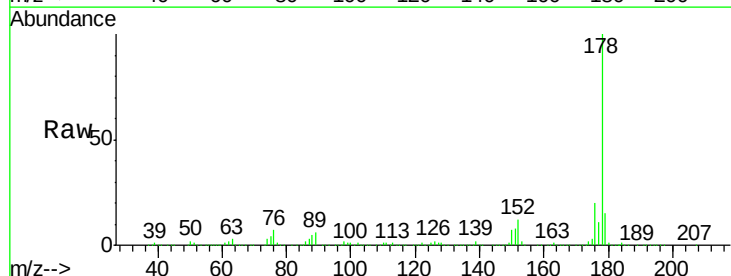
Instrument :
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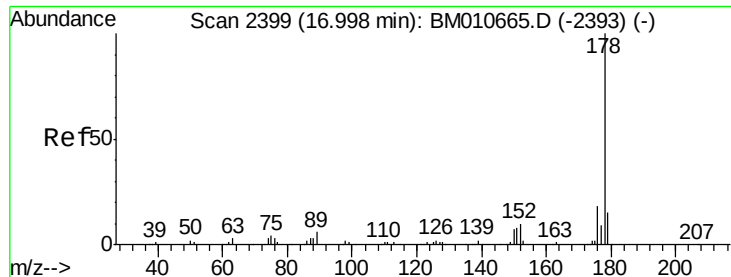
Tgt Ion	Ratio	Lower	Upper
138	100		
92	0.0	52.7	79.1#
108	3.9	140.4	210.6#



#69
 Phenanthrene
 Concen: 231.75 ng/ul
 RT: 16.92 min Scan# 2386
 Delta R.T. 0.01 min
 Lab File: BM010672.D
 Acq: 22 Jun 2017 22:33

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.6	19.0
176	19.5	14.9	22.3

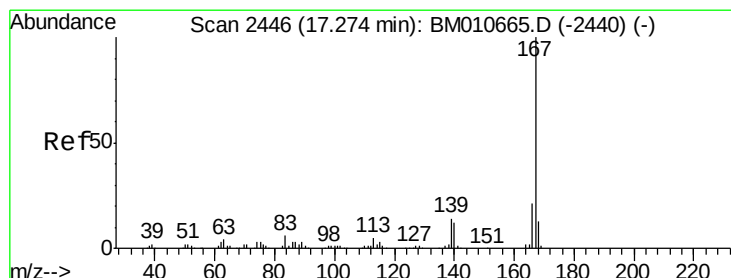
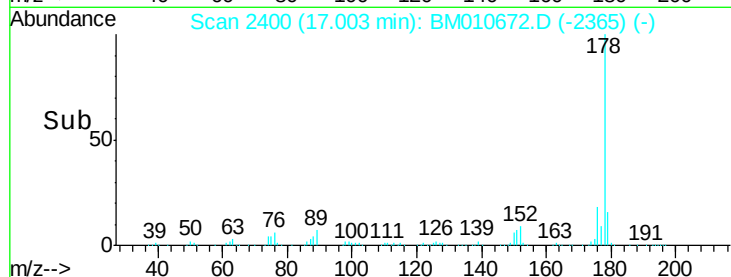
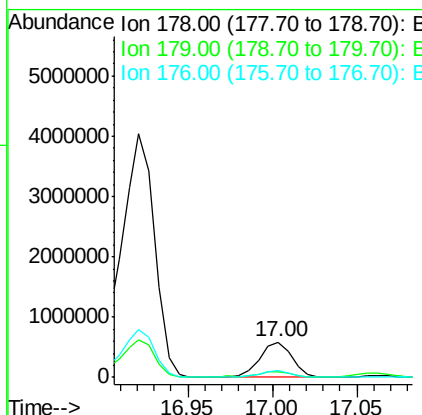
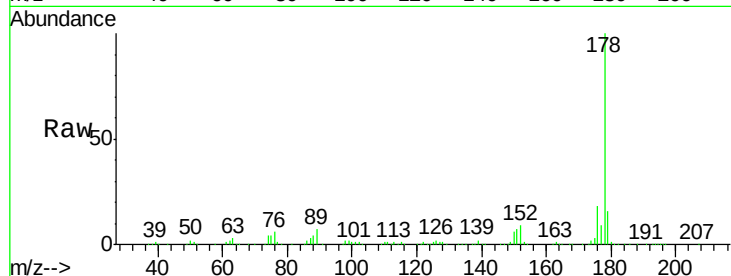




#71
 Anthracene
 Concen: 31.08 ng/ul
 RT: 17.00 min Scan# 2400
 Delta R.T. 0.01 min
 Lab File: BM010672.D
 Acq: 22 Jun 2017 22:33

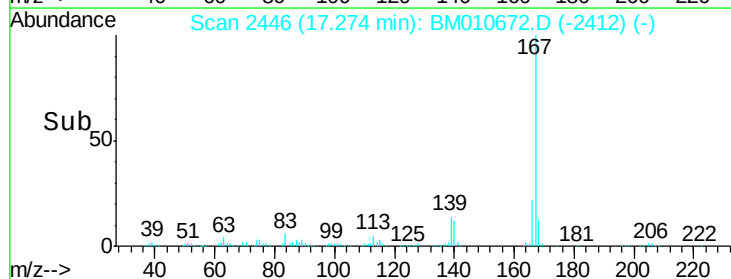
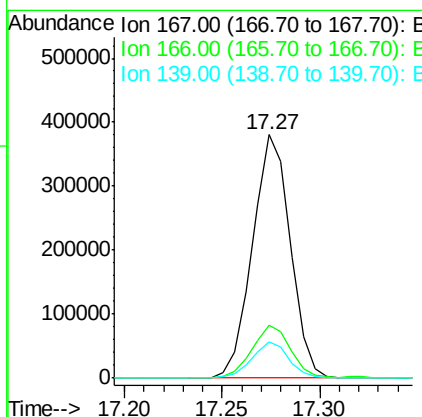
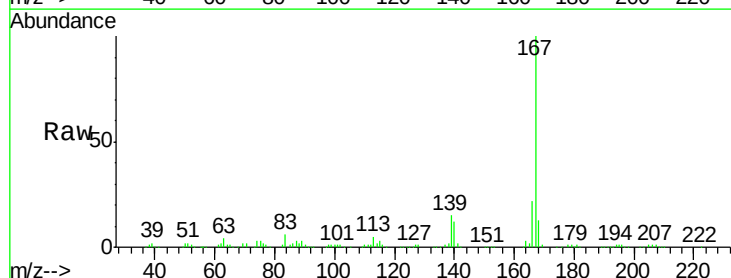
Instrument :
 BNA_M
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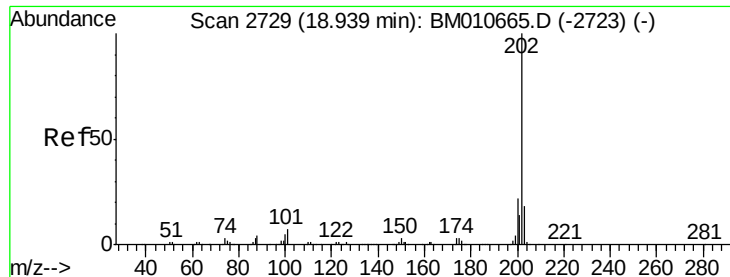
Tgt Ion:178 Resp: 779361
 Ion Ratio Lower Upper
 178 100
 179 16.0 11.7 17.5
 176 18.4 14.6 21.8



#72
 Carbazole
 Concen: 23.41 ng/ul
 RT: 17.27 min Scan# 2446
 Delta R.T. -0.00 min
 Lab File: BM010672.D
 Acq: 22 Jun 2017 22:33

Tgt Ion:167 Resp: 512110
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.1 25.7
 139 14.7 10.0 15.0





#74

Fluoranthene

Concen: 110.46 ng/ul

RT: 18.94 min Scan# 2730

Delta R.T. 0.01 min

Lab File: BM010672.D

Acq: 22 Jun 2017 22:33

Instrument :

BNA_M

ClientSampleId :

F5B19

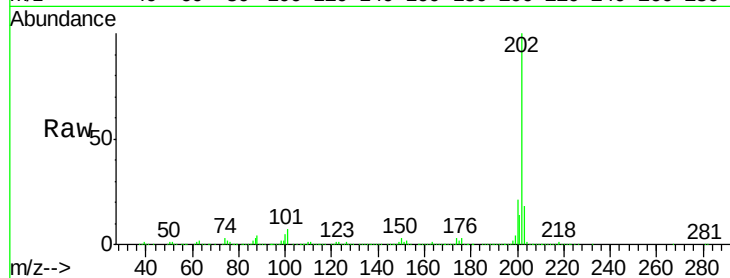
Tgt Ion:202 Resp: 3464723

Ion Ratio Lower Upper

202 100

101 7.2 4.6 7.0#

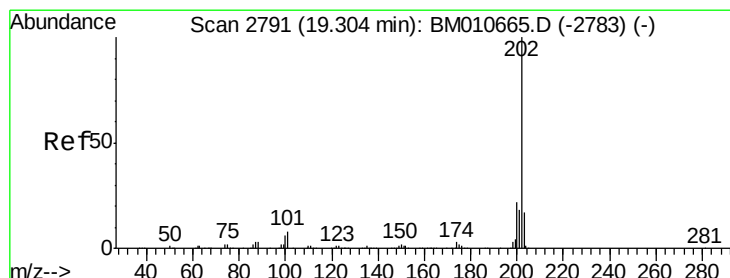
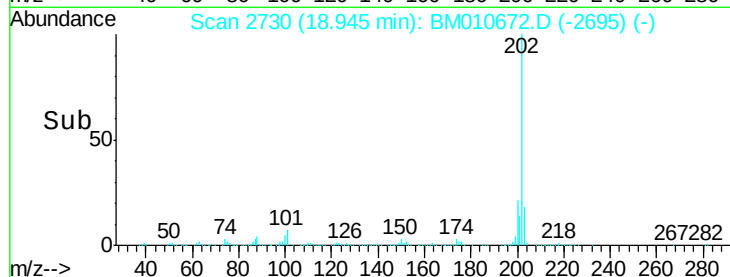
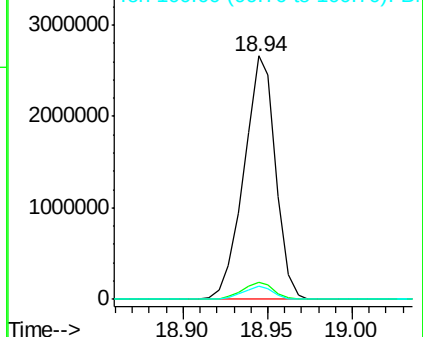
100 5.2 3.4 5.2#



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



#77

Pyrene

Concen: 69.13 ng/ul

RT: 19.31 min Scan# 2792

Delta R.T. 0.01 min

Lab File: BM010672.D

Acq: 22 Jun 2017 22:33

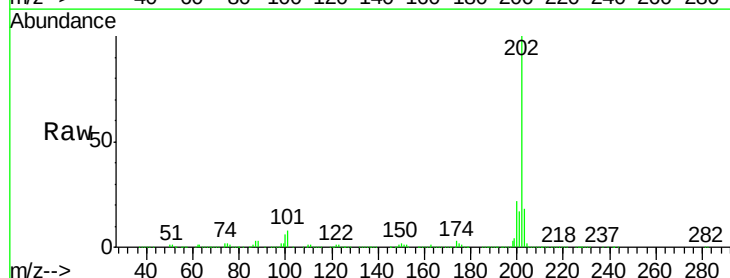
Tgt Ion:202 Resp: 2222117

Ion Ratio Lower Upper

202 100

101 7.9 5.1 7.7#

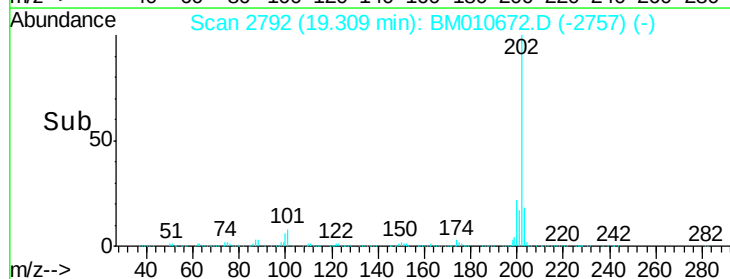
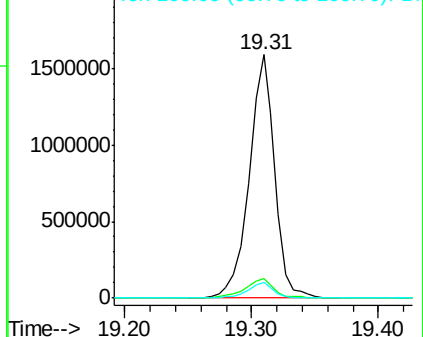
100 6.4 4.9 7.3

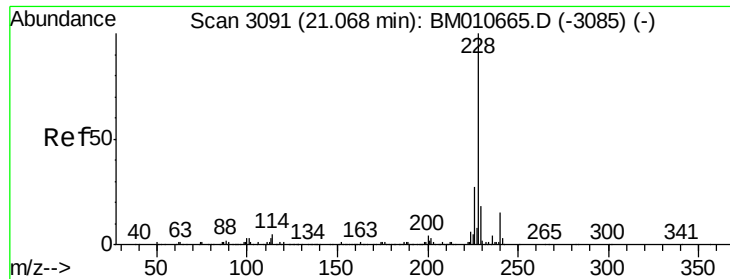


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

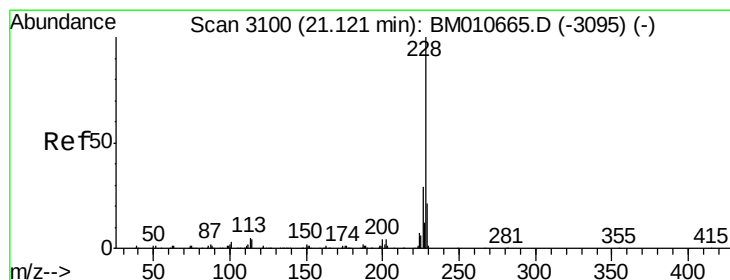
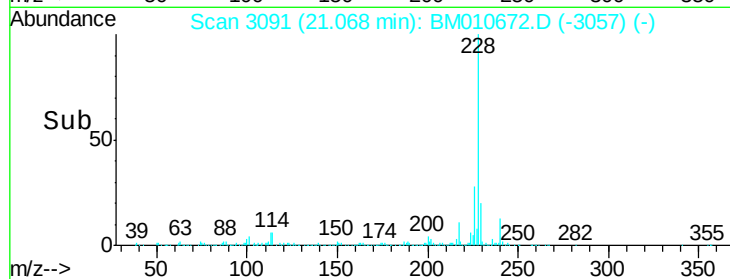
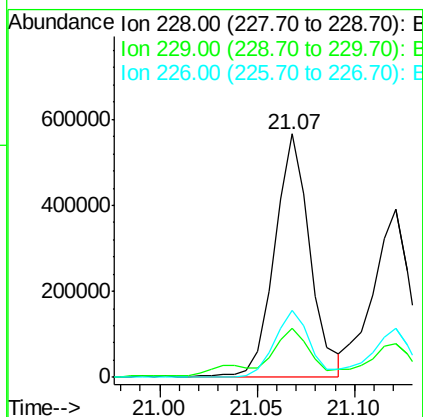
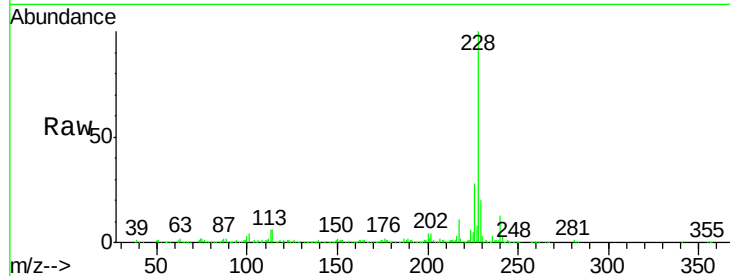




#80
Benzo(a)anthracene
Concen: 21.73 ng/ul
RT: 21.07 min Scan# 3091
Delta R.T. -0.00 min
Lab File: BM010672.D
Acq: 22 Jun 2017 22:33

Instrument :
BNA_M
ClientSampleId :
F5B19

Tgt Ion:228 Resp: 704145
Ion Ratio Lower Upper
228 100
229 20.2 15.4 23.0
226 27.7 21.4 32.0



#82
Chrysene
Concen: 17.61 ng/ul
RT: 21.12 min Scan# 3100
Delta R.T. -0.00 min
Lab File: BM010672.D
Acq: 22 Jun 2017 22:33

Tgt Ion:228 Resp: 508755
Ion Ratio Lower Upper
228 100
226 29.2 23.4 35.2
229 20.3 15.5 23.3

