

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
 Data File : BM010680.D
 Acq On : 23 Jun 2017 03:20
 Operator : SJ/JU
 Sample : I3653-08 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5C51

Manual Integrations
 APPROVED

mohammad
 6/26/2017 8:26:35 AM

Quant Time: Jun 23 06:59:00 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	83097	20.00	ng/ul	0.00
18) Naphthalene-d8	10.23	136	379131	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.12	164	260225	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	606637	20.00	ng/ul	0.00
75) Chrysene-d12	21.09	240	715851	20.00	ng/ul	0.00
83) Perylene-d12	23.22	264	578441	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	629	0.43	ng/uL	0.01
5) Phenol-d5	6.65	99	20223	2.55	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	12314	2.73	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	16648	3.00	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	17129	2.61	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	8814	3.26	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	10248	3.29	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	20261	3.09	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
43) Dimethylphthalate-d6	13.53	166	74675	3.27	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	85759	3.23	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	9087	2.26	ng/ul	0.00
57) Fluorene-d10	15.12	176	65347	3.31	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.25	200	7898	2.12	ng/ul	0.00
70) Anthracene-d10	16.97	188	105777	3.61	ng/ul	0.00
76) Pyrene-d10	19.27	212	123395	3.71	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.09	264	95136	3.40	ng/ul	0.00

Target Compounds

					Qvalue	
28) Naphthalene	10.29	128	6381534	338.233	ng/ul	100
34) 2-Methylnaphthalene	11.90	142	1287057	84.862	ng/ul	96
40) 1,1'-Biphenyl	12.93	154	401011	19.711	ng/ul	99
44) Dimethylphthalate	13.58	163	22828	1.019	ng/ul#	96
47) Acenaphthylene	13.83	152	91639	3.621	ng/ul#	95
49) Acenaphthene	14.18	153	1398192	81.900	ng/ul	97
53) Dibenzofuran	14.52	168	1459259	56.442	ng/ul	94
58) Fluorene	15.17	166	1507612	69.647	ng/ul	99
69) Phenanthrene	16.93	178	8017858	248.608	ng/ul	99
71) Anthracene	17.00	178	1366220	41.119	ng/ul	99
72) Carbazole	17.27	167	561122	19.357	ng/ul	98
74) Fluoranthene	18.95	202	5315174	127.880	ng/ul#	96
77) Pyrene	19.32	202	3659155	88.497	ng/ul#	98
80) Benzo(a)anthracene	21.07	228	1271899	30.511	ng/ul	97
82) Chrysene	21.12	228	1098711	29.561	ng/ul	98
85) Benzo(b)fluoranthene	22.59	252	852389	22.701	ng/ul#	98
86) Benzo(k)fluoranthene	22.63	252	312411m	8.776	ng/ul	
88) Benzo(a)pyrene	23.13	252	533770	15.441	ng/ul	96
89) Indeno(1,2,3-cd)pyrene	25.33	276	197198	5.500	ng/ul	99
90) Dibenzo(a,h)anthracene	25.33	278	56931	1.905	ng/ul#	89
91) Benzo(g,h,i)perylene	25.97	276	134765	4.722	ng/ul#	95

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Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C51

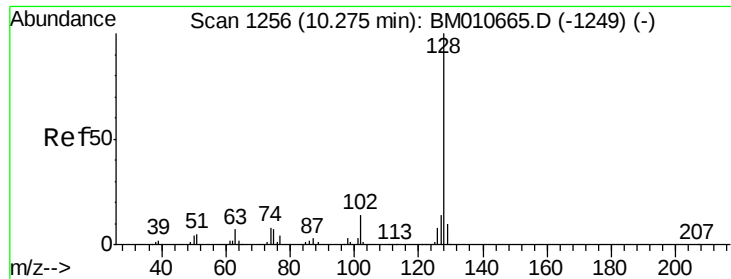
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Quant Time: Jun 23 06:59:00 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



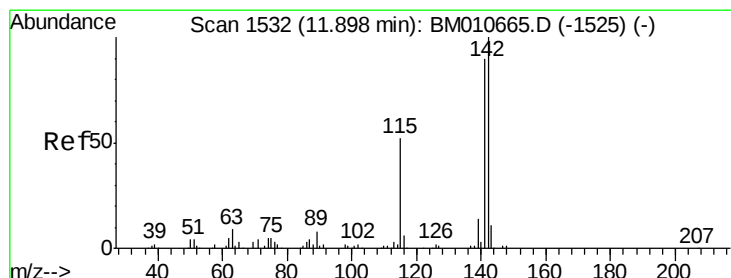
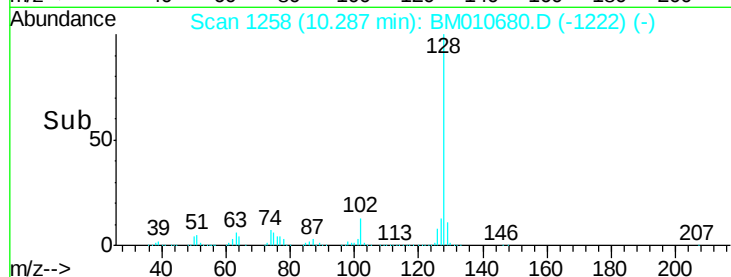
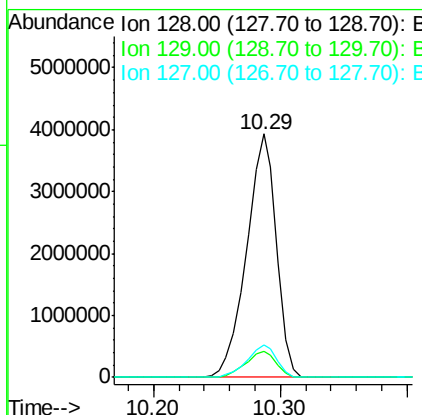
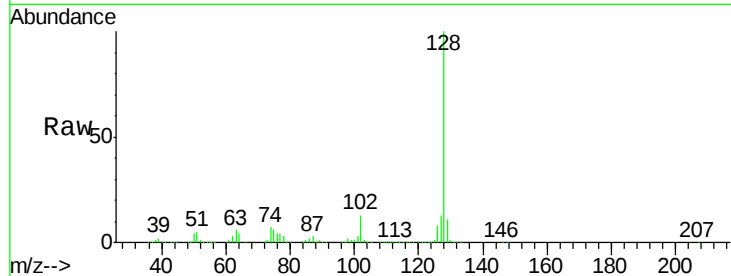
#28
Naphthalene
Concen: 338.233 ng/ul
RT: 10.29 min Scan# 1258
Delta R.T. 0.01 min
Lab File: BM010680.D
Acq: 23 Jun 2017 03:20

Instrument :
BNA_M
ClientSampled :
F5C51

Tgt Ion:128 Resp: 6381534
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.4 10.6 16.0

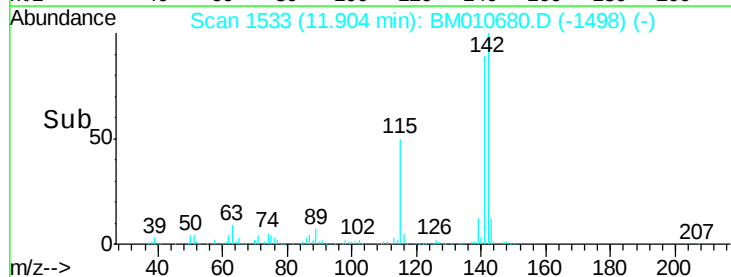
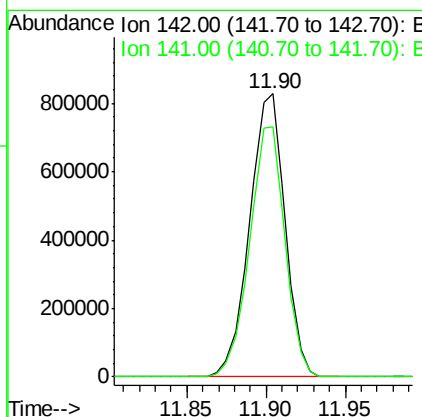
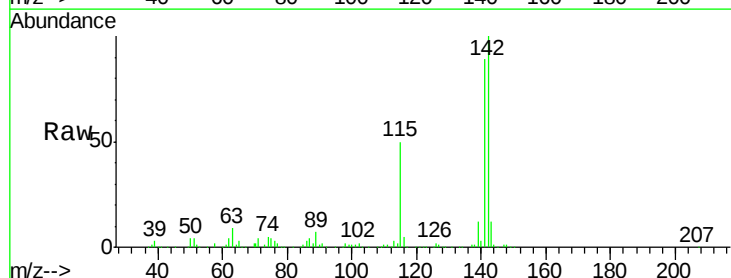
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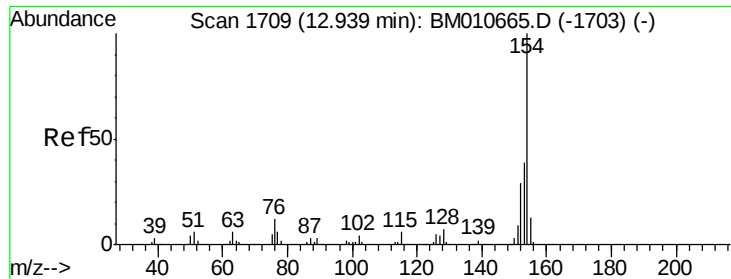
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#34
2-Methylnaphthalene
Concen: 84.862 ng/ul
RT: 11.90 min Scan# 1533
Delta R.T. 0.01 min
Lab File: BM010680.D
Acq: 23 Jun 2017 03:20

Tgt Ion:142 Resp: 1287057
Ion Ratio Lower Upper
142 100
141 88.5 74.1 111.1





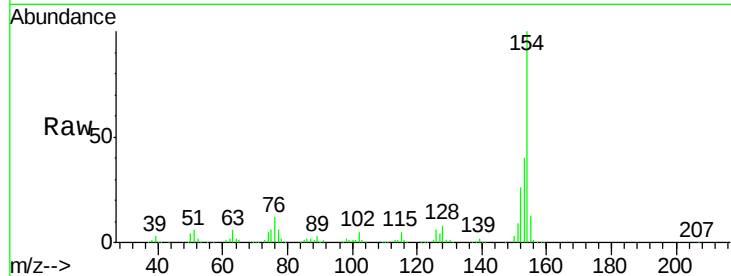
#40
 1,1'-Biphenyl
 Concen: 19.711 ng/ul
 RT: 12.93 min Scan# 1708
 Delta R.T. -0.01 min
 Lab File: BM010680.D
 Acq: 23 Jun 2017 03:20

Instrument :
 BNA_M
 ClientSampleId :
 F5C51

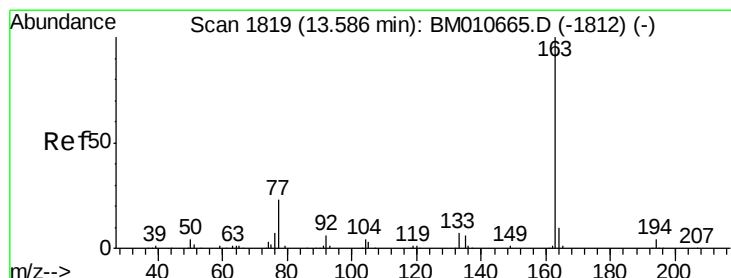
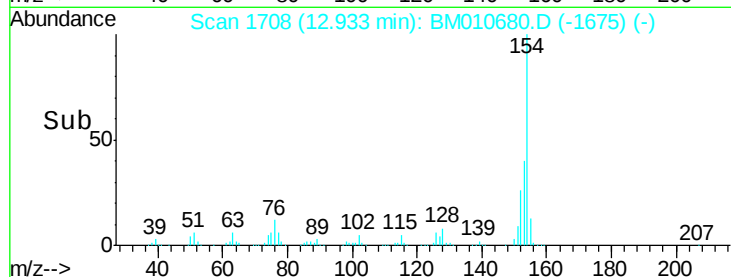
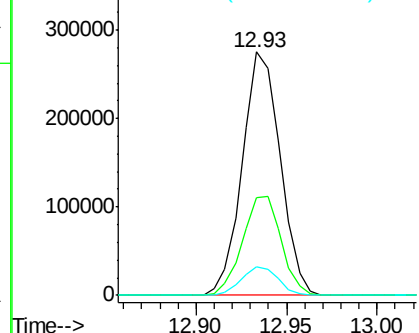
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	401011		
153	40.2	32.6	48.8	
76	11.9	8.5	12.7	

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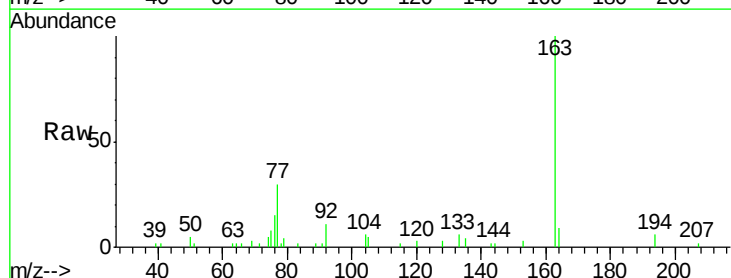


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM

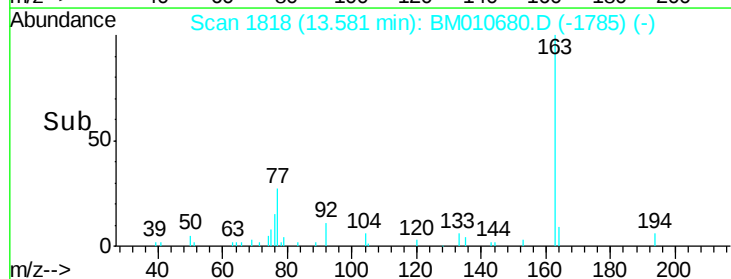
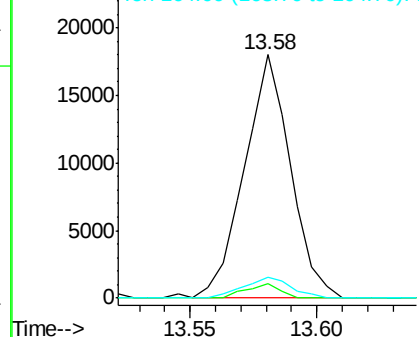


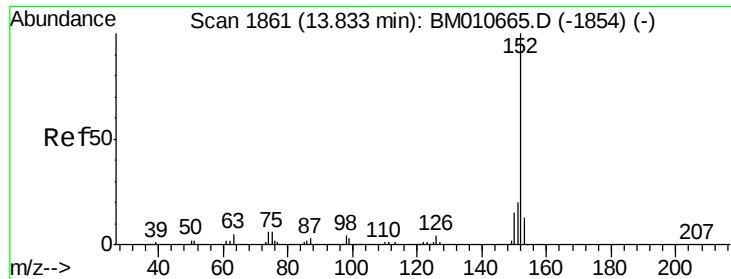
#44
 Dimethylphthalate
 Concen: 1.019 ng/ul
 RT: 13.58 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BM010680.D
 Acq: 23 Jun 2017 03:20

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	22828		
194	5.8	3.5	5.3#	
164	8.7	8.2	12.4	



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





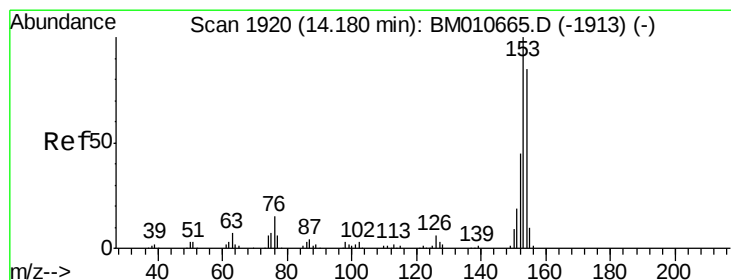
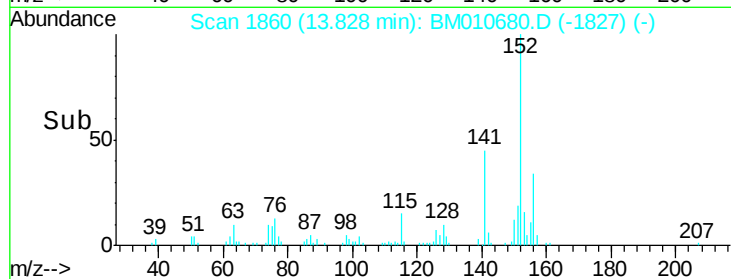
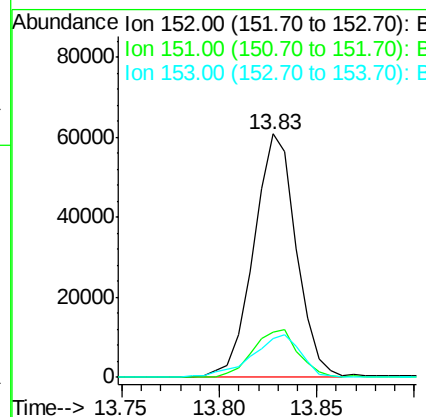
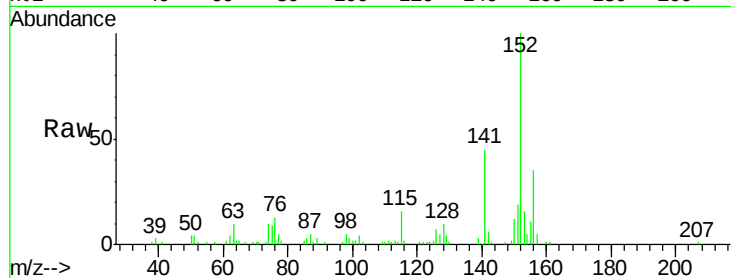
#47
Acenaphthylene
Concen: 3.621 ng/ul
RT: 13.83 min Scan# 1860
Delta R.T. -0.01 min
Lab File: BM010680.D
Acq: 23 Jun 2017 03:20

Instrument :
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ClientSampleId :
F5C51

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.8	16.3	24.5
153	16.0	10.2	15.4

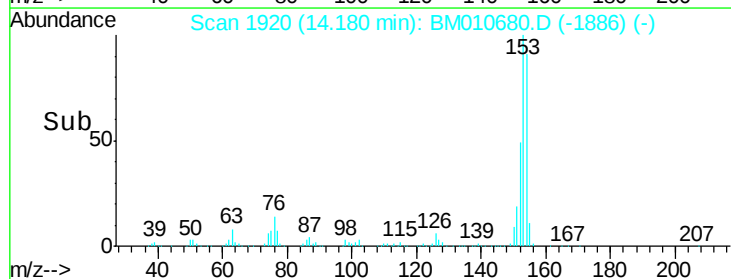
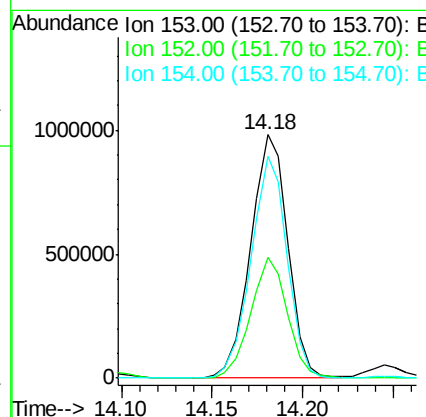
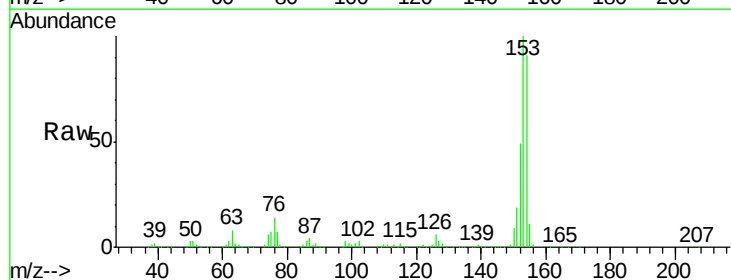
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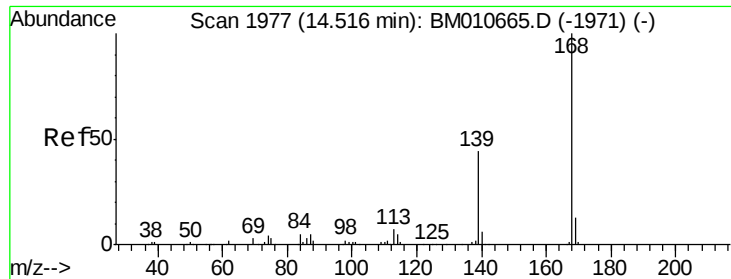
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#49
Acenaphthene
Concen: 81.900 ng/ul
RT: 14.18 min Scan# 1920
Delta R.T. 0.00 min
Lab File: BM010680.D
Acq: 23 Jun 2017 03:20

Tgt Ion	Ratio	Lower	Upper
153	100		
152	49.4	37.6	56.4
154	91.1	70.4	105.6





#53

Dibenzofuran

Concen: 56.442 ng/ul

RT: 14.52 min Scan# 1978

Delta R.T. 0.01 min

Lab File: BM010680.D

Acq: 23 Jun 2017 03:20

Instrument :

BNA_M

ClientSampleId :

F5C51

Tgt Ion:168 Resp: 1459259

Ion Ratio Lower Upper

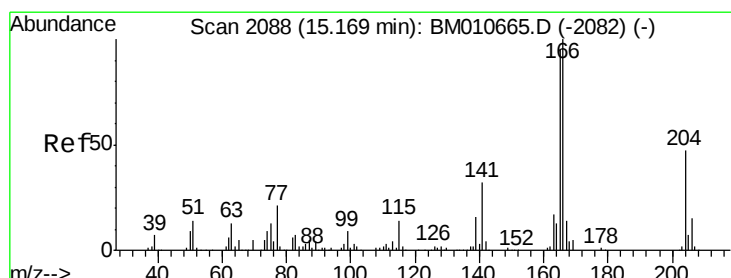
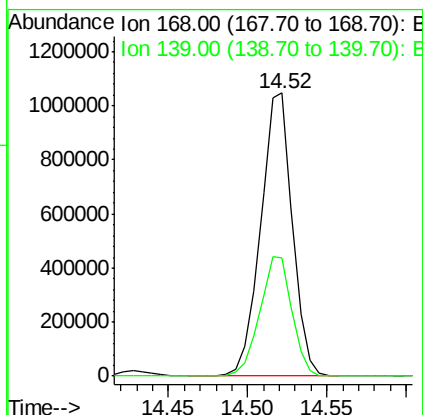
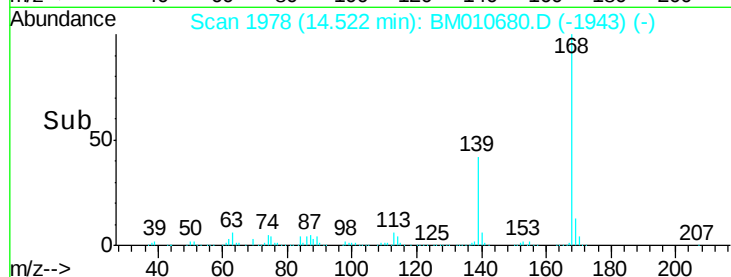
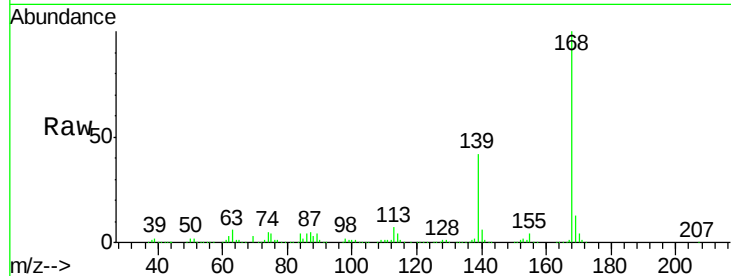
168 100

139 41.9 30.8 46.2

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#58

Fluorene

Concen: 69.647 ng/ul

RT: 15.17 min Scan# 2089

Delta R.T. 0.01 min

Lab File: BM010680.D

Acq: 23 Jun 2017 03:20

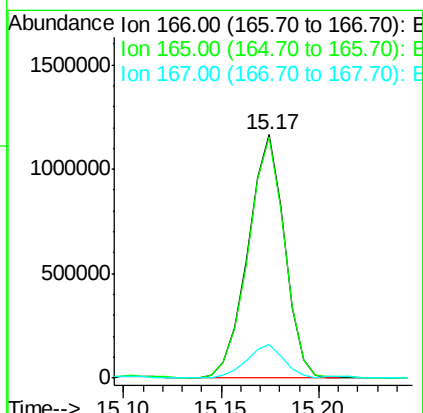
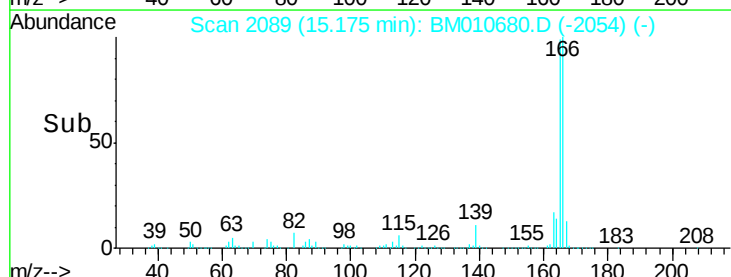
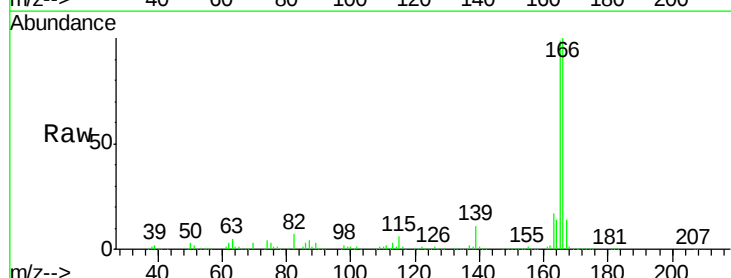
Tgt Ion:166 Resp: 1507612

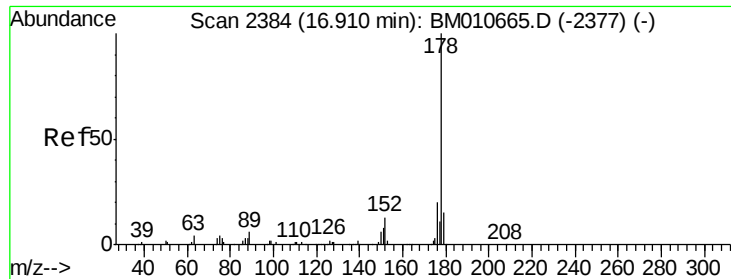
Ion Ratio Lower Upper

166 100

165 98.8 77.9 116.9

167 13.9 10.6 16.0





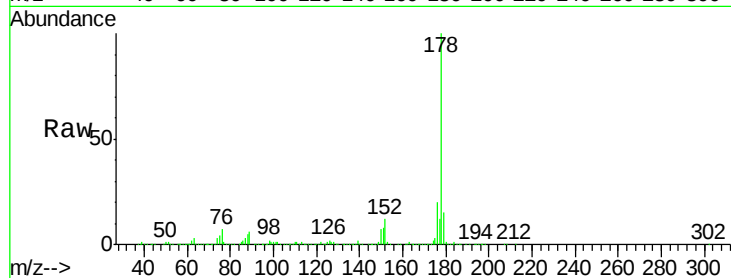
#69
Phenanthrene
Concen: 248.608 ng/ul
RT: 16.93 min Scan# 2387
Delta R.T. 0.02 min
Lab File: BM010680.D
Acq: 23 Jun 2017 03:20

Instrument :
BNA_M
ClientSampleId :
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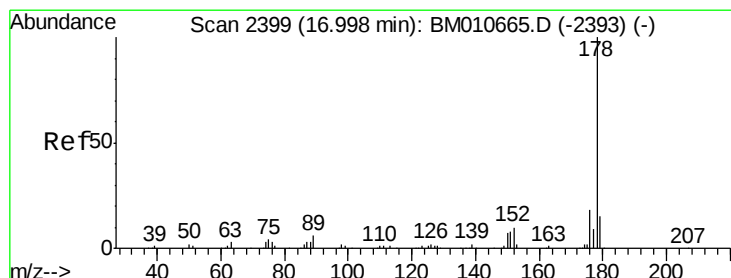
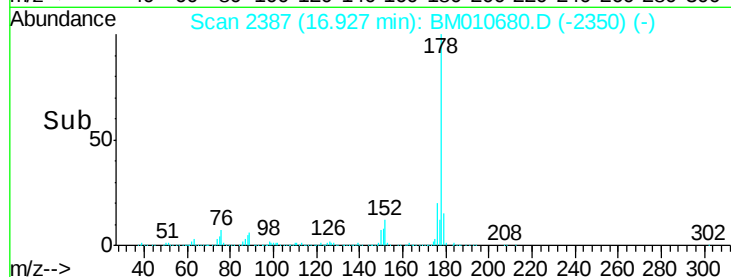
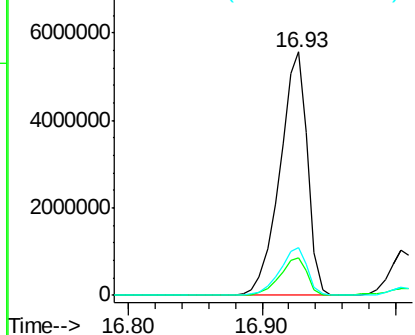
Tgt Ion:178 Resp: 8017858
Ion Ratio Lower Upper
178 100
179 15.5 12.6 19.0
176 19.5 14.9 22.3

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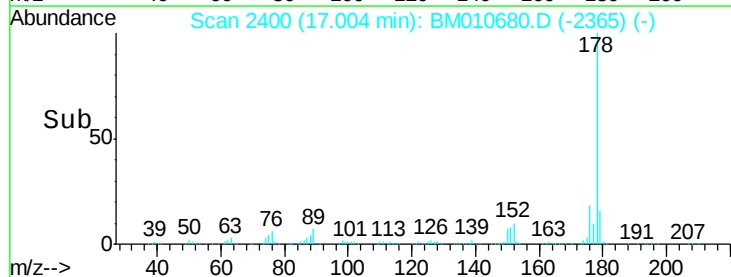
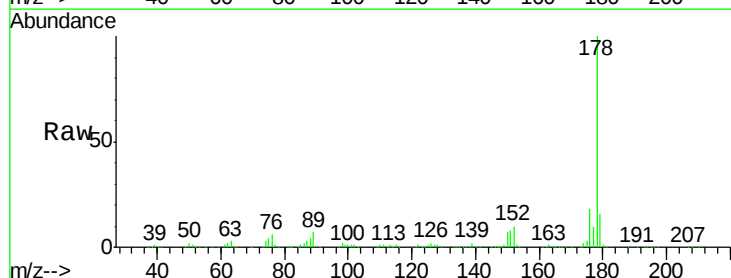
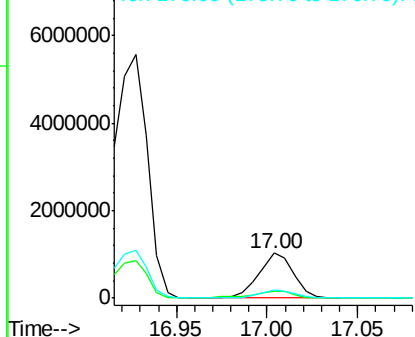
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

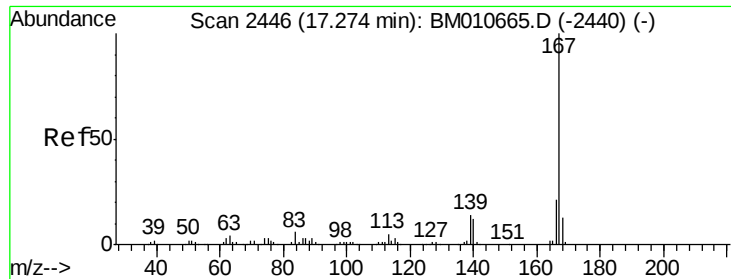


#71
Anthracene
Concen: 41.119 ng/ul
RT: 17.00 min Scan# 2400
Delta R.T. 0.01 min
Lab File: BM010680.D
Acq: 23 Jun 2017 03:20

Tgt Ion:178 Resp: 1366220
Ion Ratio Lower Upper
178 100
179 15.6 11.7 17.5
176 18.2 14.6 21.8

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





#72

Carbazole

Concen: 19.357 ng/ul

RT: 17.27 min Scan# 2446

Delta R.T. 0.00 min

Lab File: BM010680.D

Acq: 23 Jun 2017 03:20

Instrument :

BNA_M

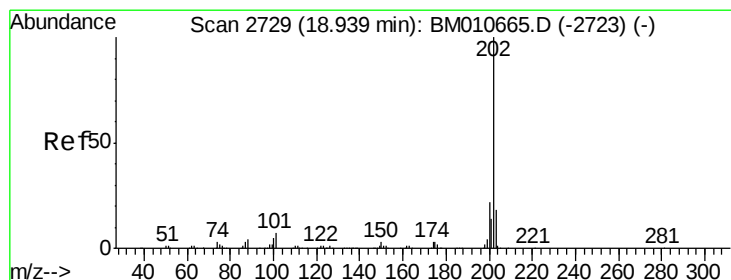
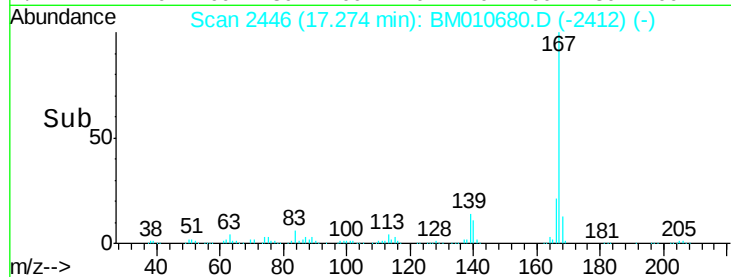
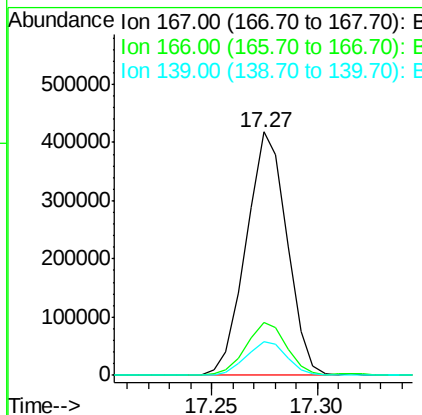
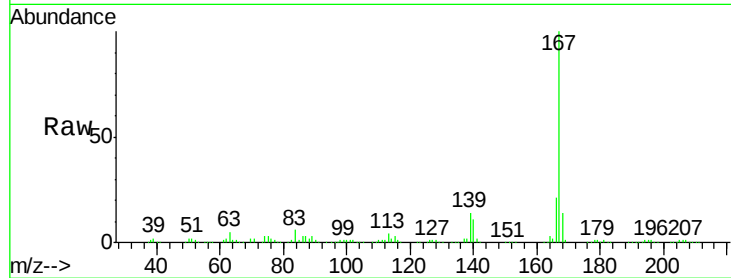
ClientSampled :

F5C51

Tgt Ion:	167	Resp:	561122
Ion Ratio	Lower	Upper	
167	100		
166	21.5	17.1	25.7
139	14.0	10.0	15.0

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#74

Fluoranthene

Concen: 127.880 ng/ul

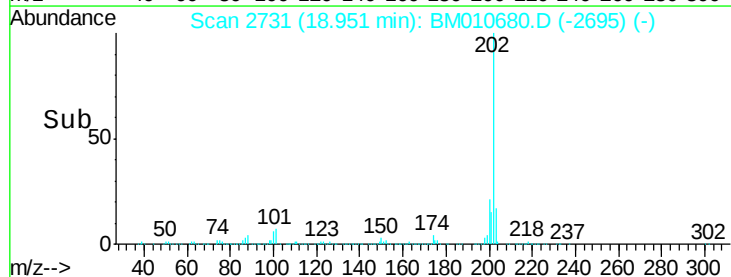
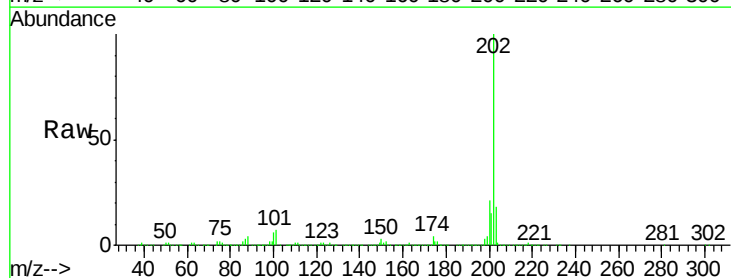
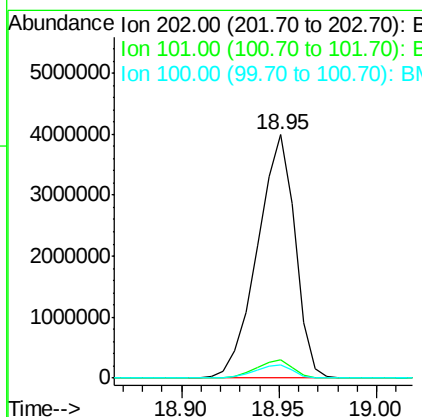
RT: 18.95 min Scan# 2731

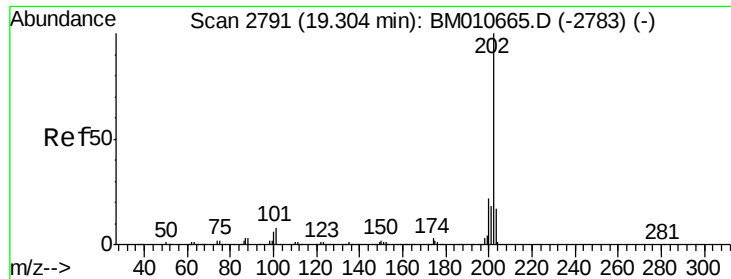
Delta R.T. 0.01 min

Lab File: BM010680.D

Acq: 23 Jun 2017 03:20

Tgt Ion:	202	Resp:	5315174
Ion Ratio	Lower	Upper	
202	100		
101	7.4	4.6	7.0#
100	5.6	3.4	5.2#





#77

Pyrene

Concen: 88.497 ng/ul

RT: 19.32 min Scan# 2793

Delta R.T. 0.01 min

Lab File: BM010680.D

Acq: 23 Jun 2017 03:20

Instrument :

BNA_M

ClientSampleId :

F5C51

Tgt Ion:202 Resp: 3659155

Ion Ratio Lower Upper

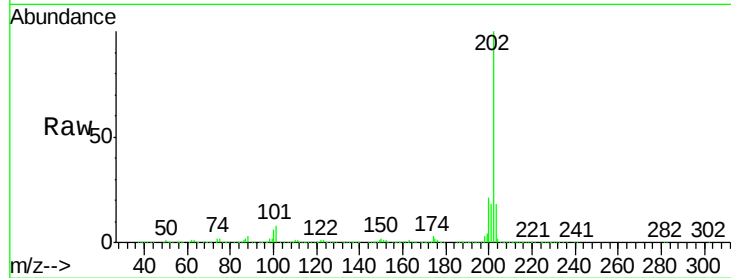
202 100

101 7.7 5.1 7.7#

100 6.1 4.9 7.3

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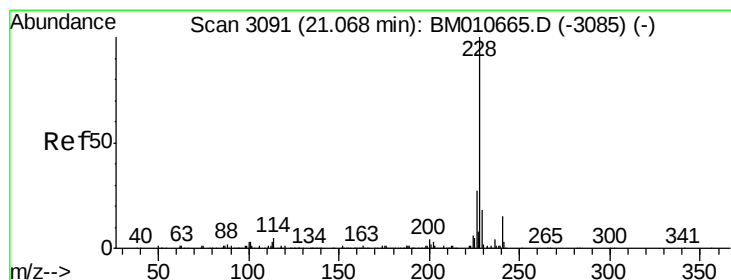
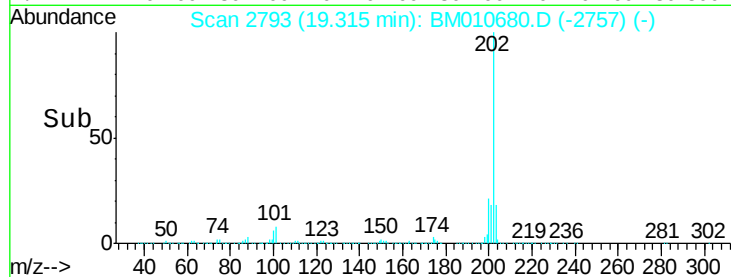
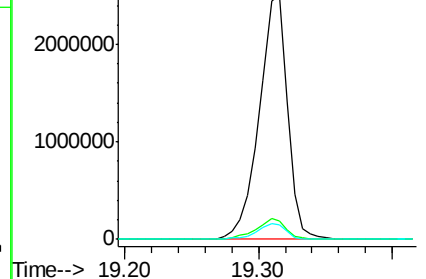
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 30.511 ng/ul

RT: 21.07 min Scan# 3091

Delta R.T. 0.00 min

Lab File: BM010680.D

Acq: 23 Jun 2017 03:20

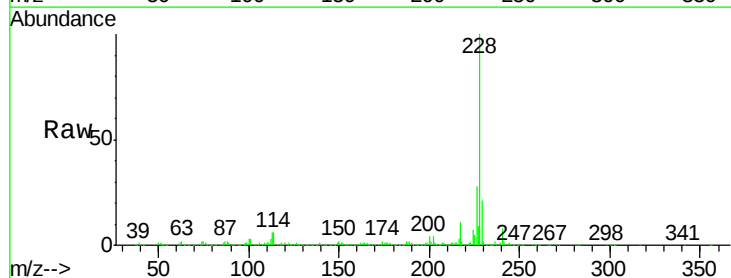
Tgt Ion:228 Resp: 1271899

Ion Ratio Lower Upper

228 100

229 20.8 15.4 23.0

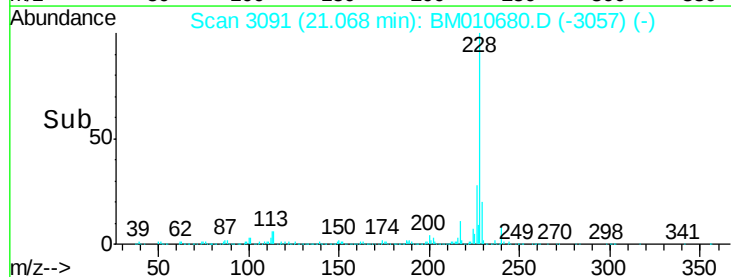
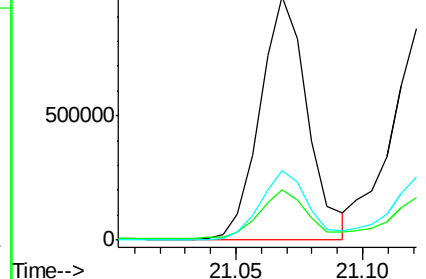
226 28.4 21.4 32.0

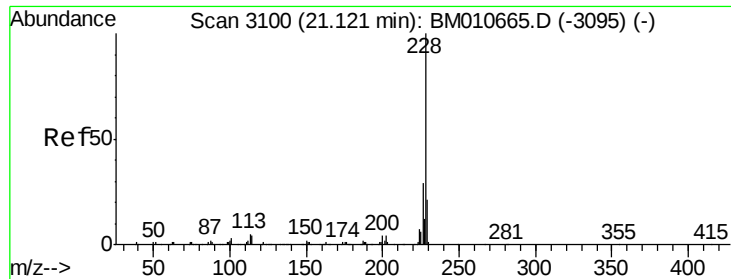


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 29.561 ng/ul

RT: 21.12 min Scan# 3100

Delta R.T. 0.00 min

Lab File: BM010680.D

Acq: 23 Jun 2017 03:20

Instrument :

BNA_M

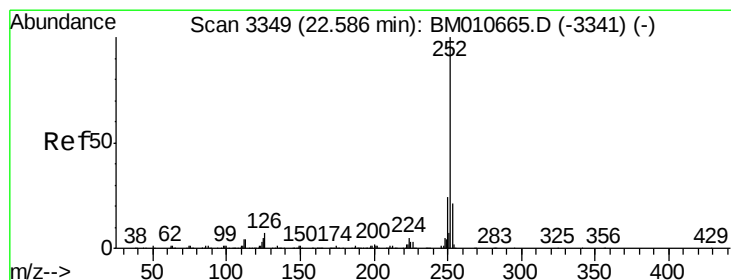
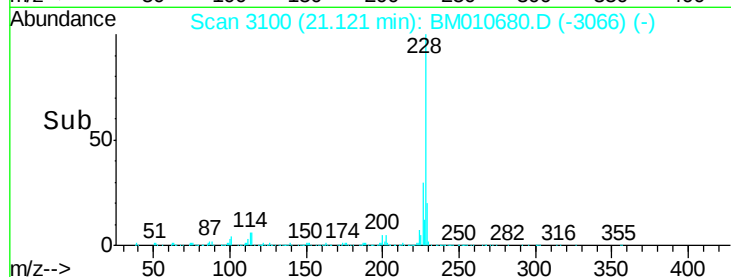
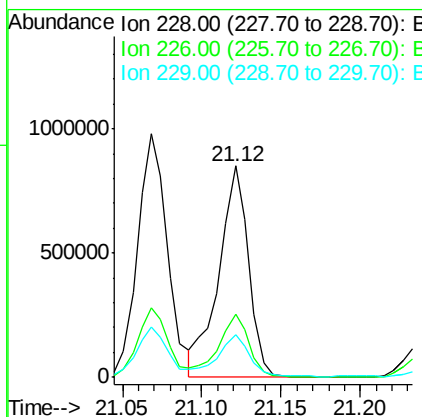
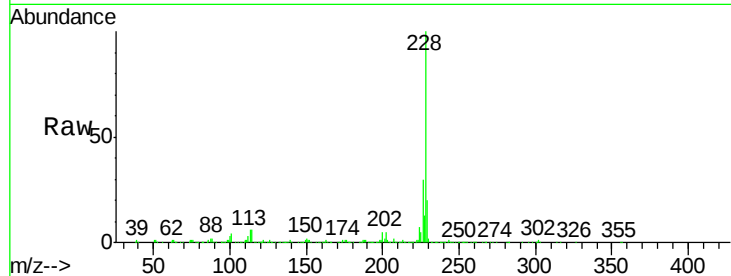
ClientSampleId :

F5C51

Tgt Ion:	228	Resp:	1098711
Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.4	35.2
229	20.2	15.5	23.3

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#85

Benzo(b)fluoranthene

Concen: 22.701 ng/ul

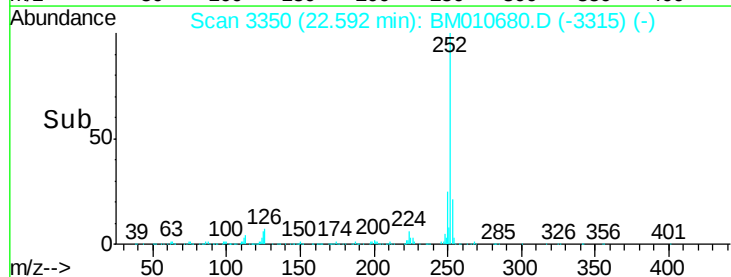
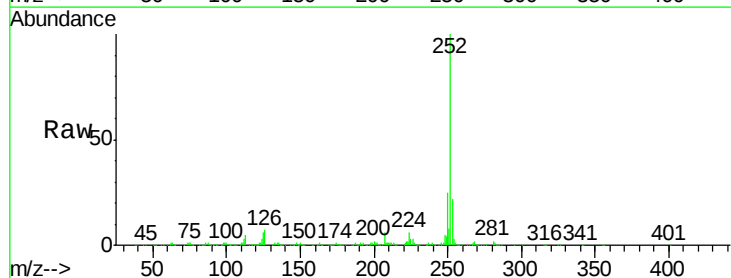
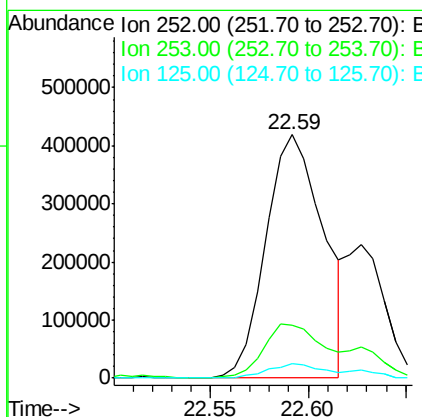
RT: 22.59 min Scan# 3350

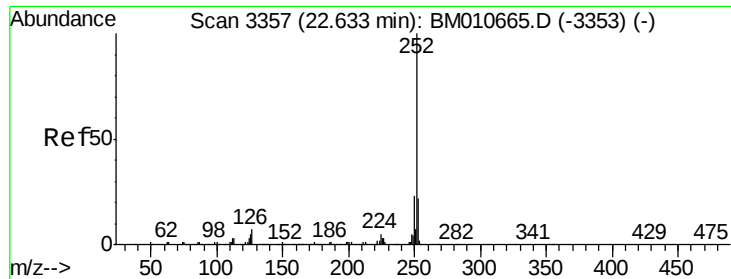
Delta R.T. 0.01 min

Lab File: BM010680.D

Acq: 23 Jun 2017 03:20

Tgt Ion:	252	Resp:	852389
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.9	26.9
125	6.1	3.6	5.4#





#86

Benzo(k)fluoranthene

Concen: 8.776 ng/ul m

RT: 22.63 min Scan# 3356

Delta R.T. -0.01 min

Lab File: BM010680.D

Acq: 23 Jun 2017 03:20

Instrument :

BNA_M

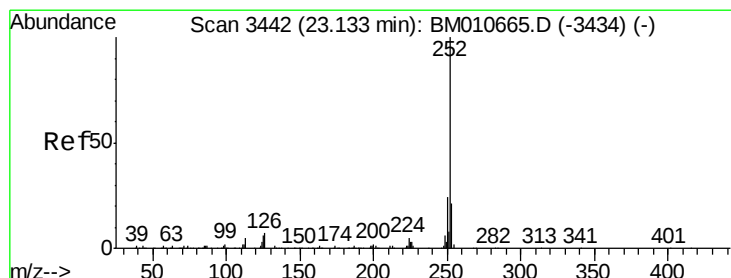
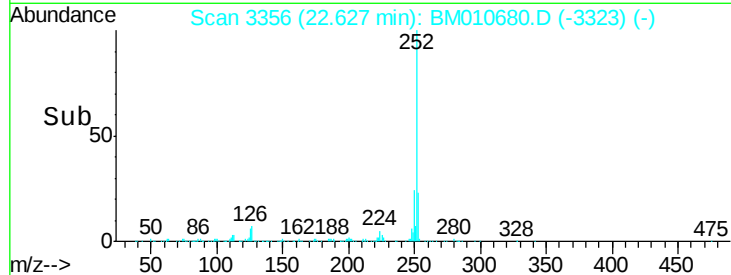
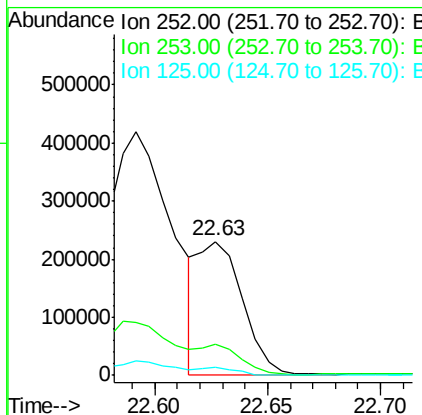
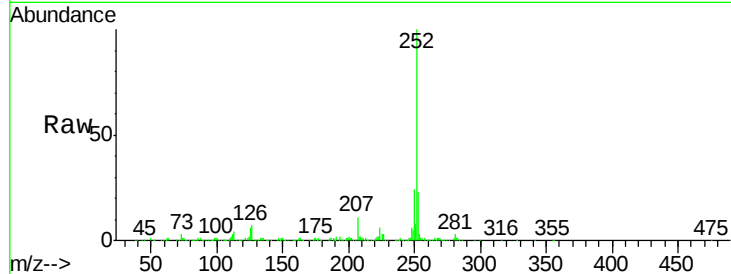
ClientSampleId :

F5C51

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	312411		
253	23.3	17.1	25.7	
125	5.8	3.4	5.2#	

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#88

Benzo(a)pyrene

Concen: 15.441 ng/ul

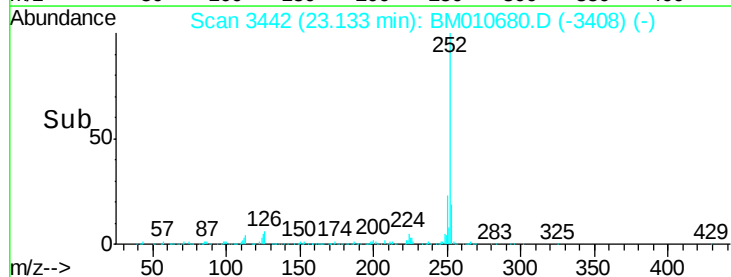
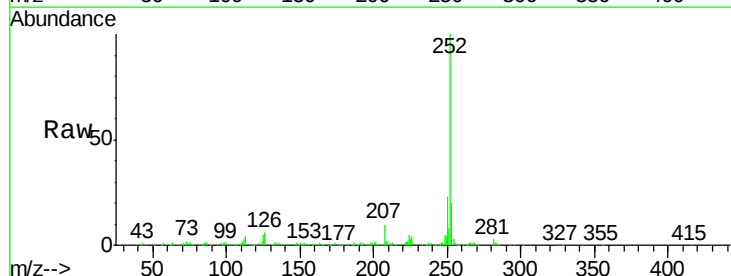
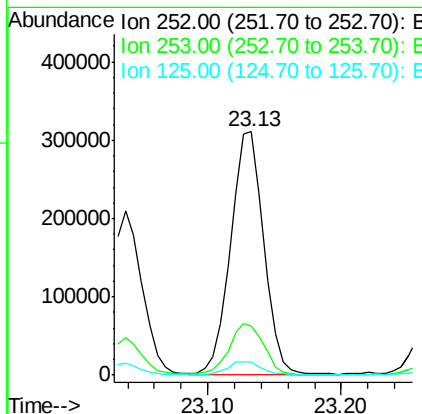
RT: 23.13 min Scan# 3442

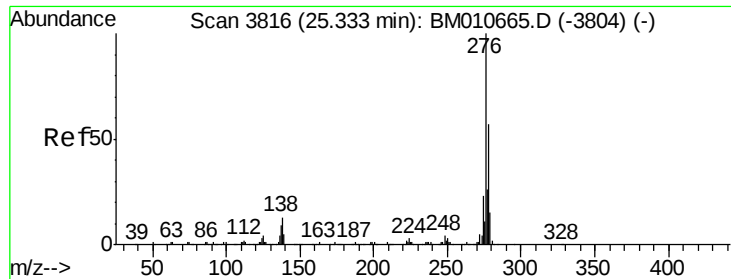
Delta R.T. 0.00 min

Lab File: BM010680.D

Acq: 23 Jun 2017 03:20

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	533770		
253	20.3	18.2	27.2	
125	5.4	4.0	6.0	





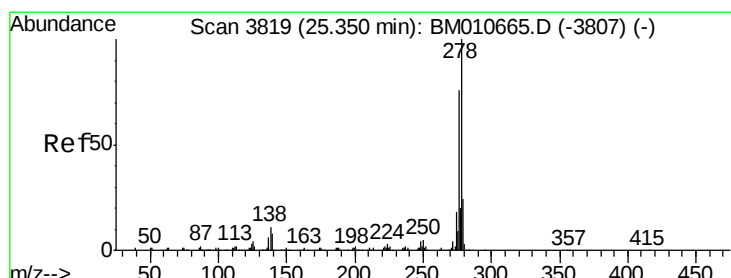
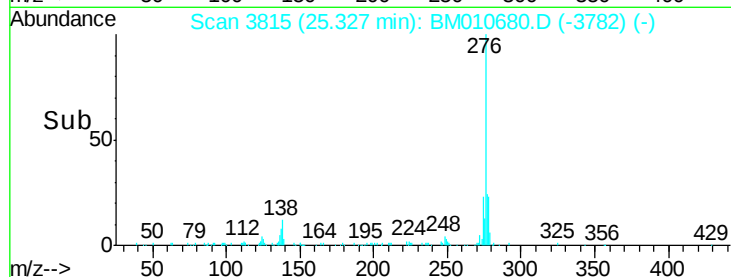
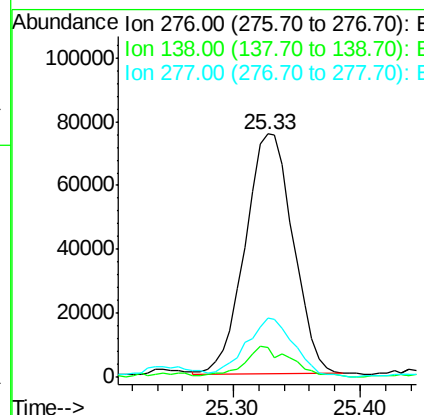
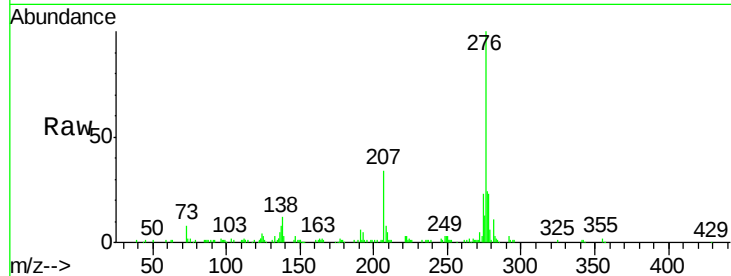
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 5.500 ng/ul
 RT: 25.33 min Scan# 3815
 Delta R.T. -0.01 min
 Lab File: BM010680.D
 Acq: 23 Jun 2017 03:20

Instrument :
 BNA_M
 ClientSampleId :
 F5C51

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	197198		
138	12.1	9.3	13.9	
277	24.2	19.9	29.9	

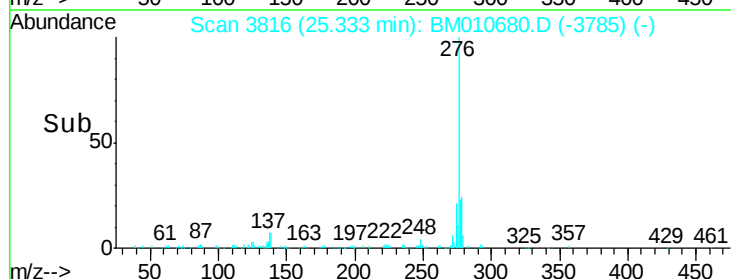
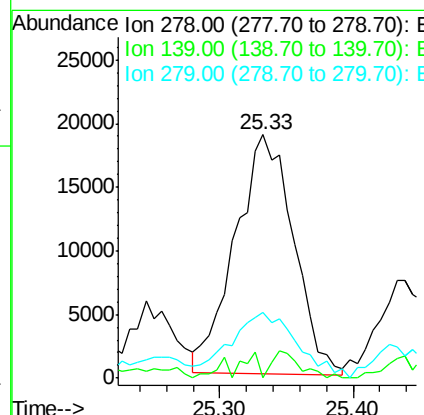
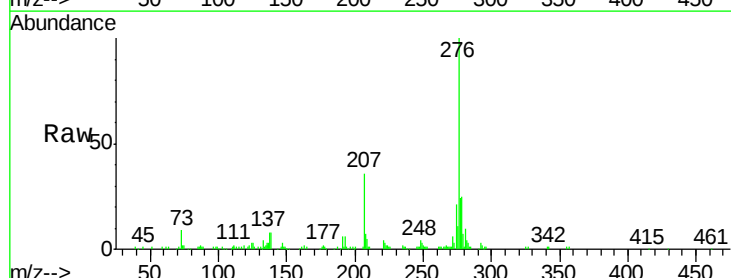
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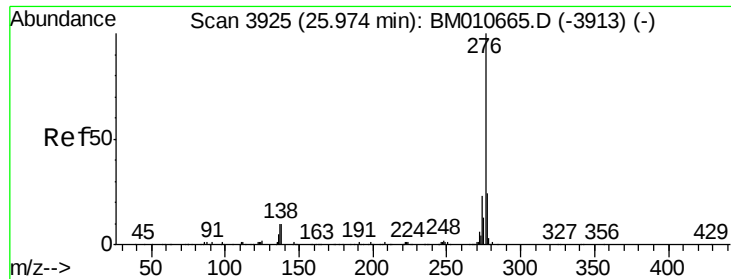
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#90
 Dibenzo(a,h)anthracene
 Concen: 1.905 ng/ul
 RT: 25.33 min Scan# 3816
 Delta R.T. -0.02 min
 Lab File: BM010680.D
 Acq: 23 Jun 2017 03:20

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	56931		
139	0.0	5.8	8.8#	
279	27.0	18.6	27.8	





#91
 Benzo(g,h,i)perylene
 Concen: 4.722 ng/ul
 RT: 25.97 min Scan# 3925
 Delta R.T. 0.00 min
 Lab File: BM010680.D
 Acq: 23 Jun 2017 03:20

Instrument :
 BNA_M
 ClientSampleId :
 F5C51

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	13.2	8.5	12.7#
277	25.5	18.6	28.0

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