

Data File : BM010555.D
Acq On : 13 Jun 2017 03:08
Operator : SJ/MA
Sample : I3558-09DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 13 05:16:06 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 03:33:28 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	119957	20.00	ng/ul	0.00
18) Naphthalene-d8	10.69	136	429967	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	314972	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.27	188	861791	20.00	ng/ul	0.00
75) Chrysene-d12	21.44	240	1330127	20.00	ng/ul	0.00
83) Perylene-d12	23.77	264	1301657	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.38	96	793	0.27	ng/uL	0.02
5) Phenol-d5	7.07	99	13843	1.52	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.23	67	7171	1.40	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	12371	1.71	ng/ul	0.00
13) 4-Methylphenol-d8	8.61	113	11705	1.60	ng/ul	0.00
19) Nitrobenzene-d5	9.07	128	6412	2.04	ng/ul	0.00
22) 2-Nitrophenol-d4	9.79	143	7100	1.95	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.32	165	15302	2.04	ng/ul	0.00
29) 4-Chloroaniline-d4	10.86	131	15243	2.11	ng/ul	0.00
43) Dimethylphthalate-d6	13.94	166	61619	2.35	ng/ul	0.00
46) Acenaphthylene-d8	14.22	160	58408	1.91	ng/ul	0.00
51) 4-Nitrophenol-d4	14.79	143	4810	1.23	ng/ul	0.02
57) Fluorene-d10	15.52	176	56584	2.46	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.64	200	8142	1.33	ng/ul	0.00
70) Anthracene-d10	17.37	188	95861	2.29	ng/ul	0.00
76) Pyrene-d10	19.66	212	127121	2.31	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.62	264	130894	2.16	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.74	128	2538364	117.70	ng/ul	99
30) 4-Chloroaniline	10.74	127	351033	50.30	ng/ul#	22
34) 2-Methylnaphthalene	12.34	142	800638	48.97	ng/ul	97
40) 1,1'-Biphenyl	13.35	154	251812	9.86	ng/ul	95
47) Acenaphthylene	14.25	152	42428	1.42	ng/ul#	91
49) Acenaphthene	14.59	153	984724	47.06	ng/ul	99
53) Dibenzofuran	14.92	168	1168510	37.77	ng/ul	100
58) Fluorene	15.57	166	1220965	48.11	ng/ul	97
69) Phenanthrene	17.32	178	7793062	169.39	ng/ul	99
71) Anthracene	17.40	178	1188901	24.75	ng/ul	99
72) Carbazole	17.69	167	289970	7.13	ng/ul	96
74) Fluoranthene	19.33	202	4931580	87.17	ng/ul#	95
77) Pyrene	19.69	202	3193405	46.59	ng/ul#	93
80) Benzo(a)anthracene	21.42	228	1221479	16.28	ng/ul	96
82) Chrysene	21.47	228	951565	14.03	ng/ul	97
85) Benzo(b)fluoranthene	23.06	252	915051	12.08	ng/ul#	98
86) Benzo(k)fluoranthene	23.10	252	273424	3.78	ng/ul#	94
88) Benzo(a)pyrene	23.57	252	370348	4.93	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	26.14	276	259499	2.74	ng/ul#	97
91) Benzo(g,h,i)perylene	26.88	276	201395	2.58	ng/ul#	93

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

Data File : BM010555.D

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Sample : I3558-09DL 10X

Misc :

ALS Vial : 29 Sample Multiplier: 1

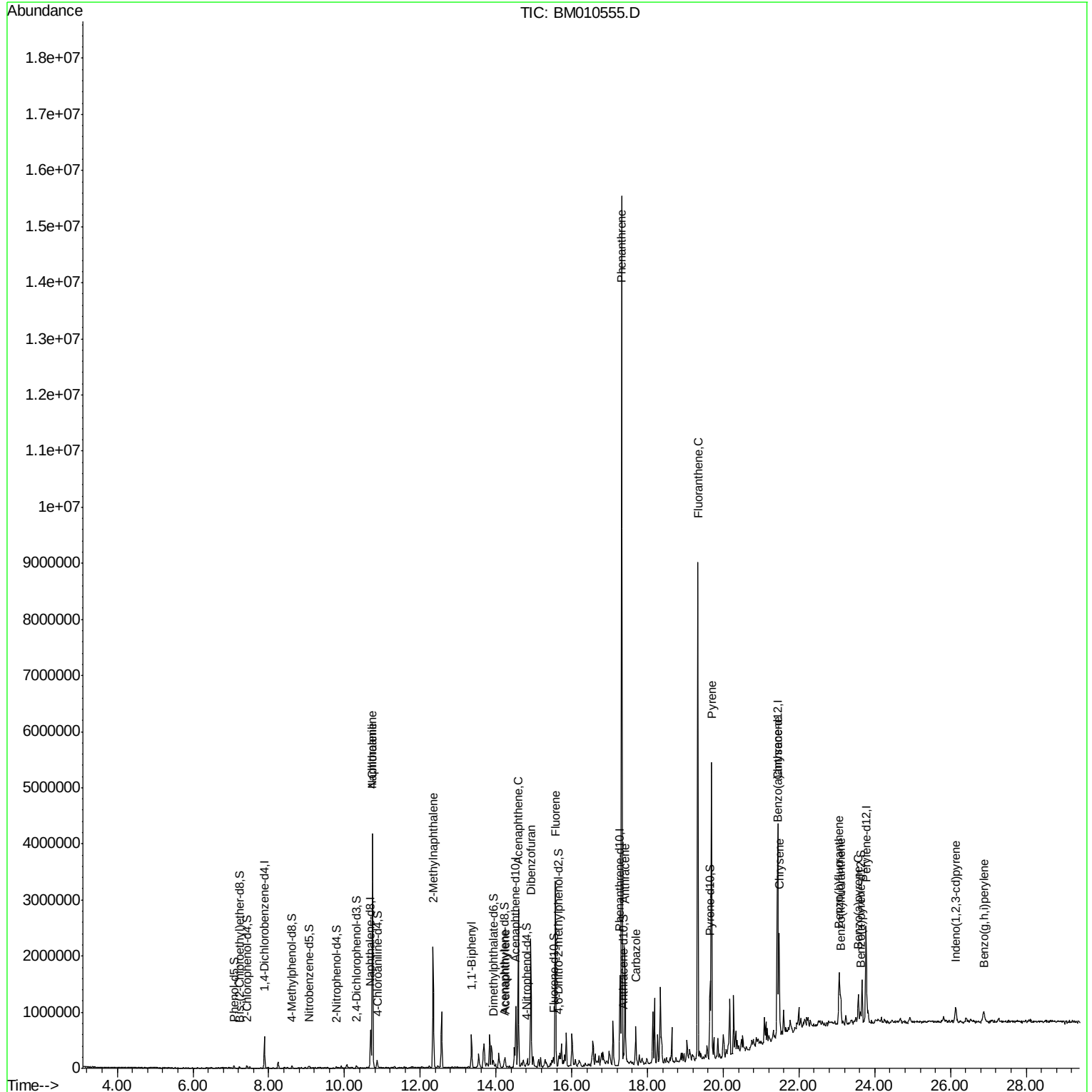
Quant Time: Jun 13 05:16:06 2017

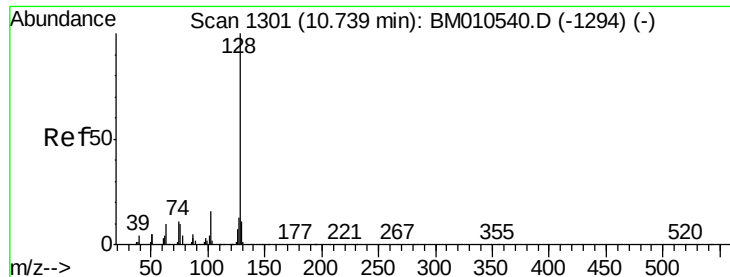
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M

Quant Title : SVOA CALIBRATION

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Response via : Initial Calibration

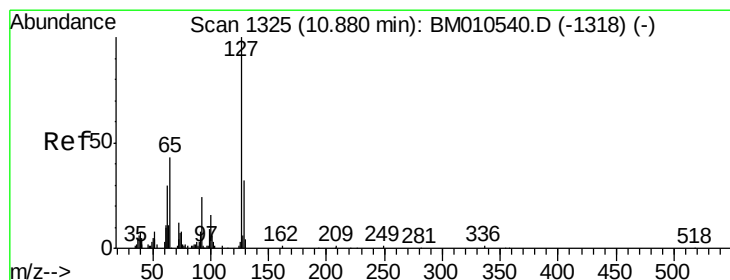
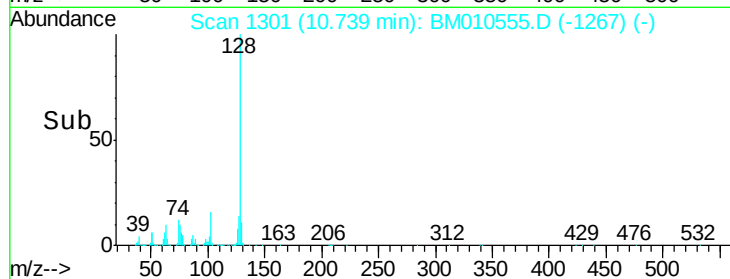
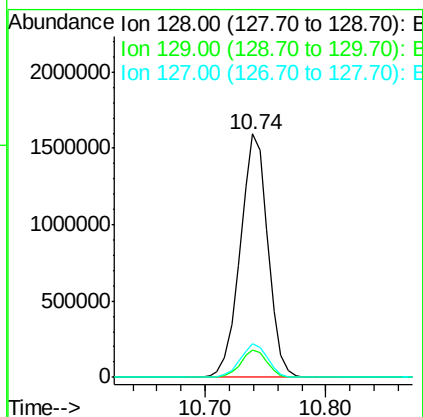
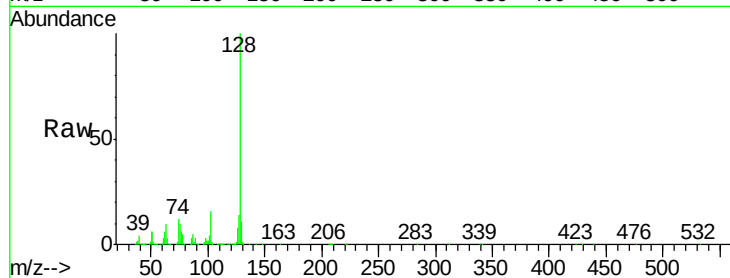




#28
Naphthalene
Concen: 117.70 ng/ul
RT: 10.74 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BM010555.D
Acq: 13 Jun 2017 03:08

Tgt Ion:128 Resp: 2538364

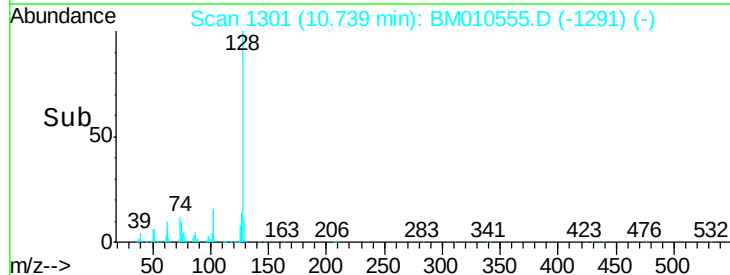
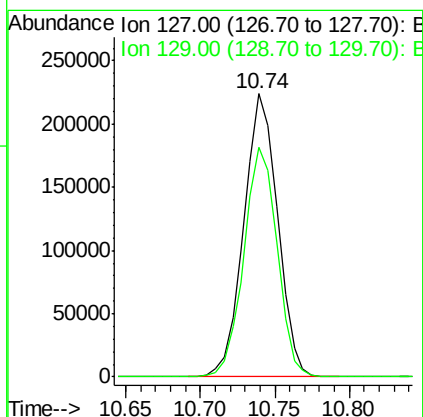
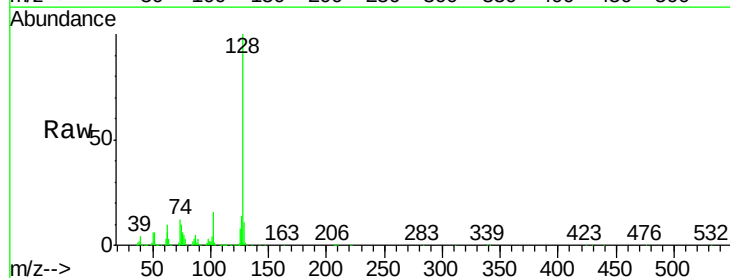
Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.8	13.2
127	14.0	10.6	16.0

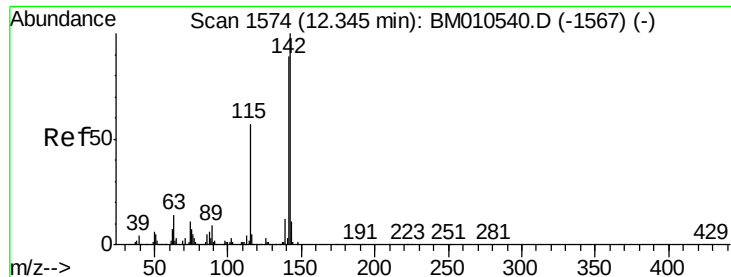


#30
4-Chloroaniline
Concen: 50.30 ng/ul
RT: 10.74 min Scan# 1301
Delta R.T. -0.14 min
Lab File: BM010555.D
Acq: 13 Jun 2017 03:08

Tgt Ion:127 Resp: 351033

Ion	Ratio	Lower	Upper
127	100		
129	81.3	28.4	42.6





#34

2-Methylnaphthalene

Concen: 48.97 ng/ul

RT: 12.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BM010555.D

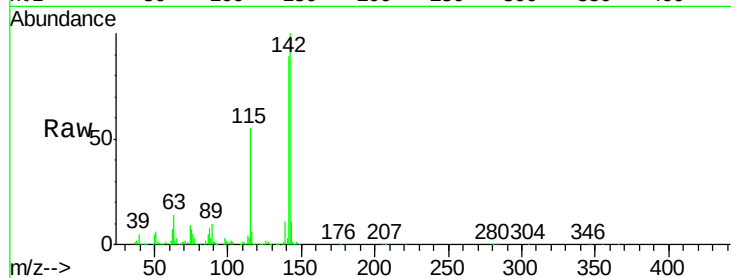
Acq: 13 Jun 2017 03:08

Tgt Ion:142 Resp: 800638

Ion Ratio Lower Upper

142 100

141 89.3 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

600000

500000

400000

300000

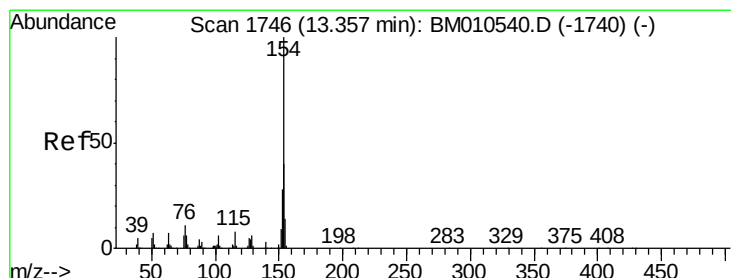
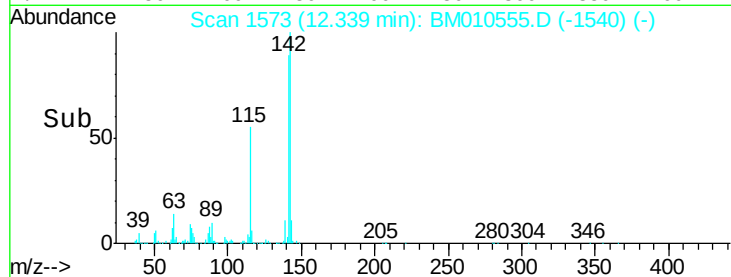
200000

100000

0

12.30 12.35 12.40

Time-->



#40

1,1'-Biphenyl

Concen: 9.86 ng/ul

RT: 13.35 min Scan# 1745

Delta R.T. -0.01 min

Lab File: BM010555.D

Acq: 13 Jun 2017 03:08

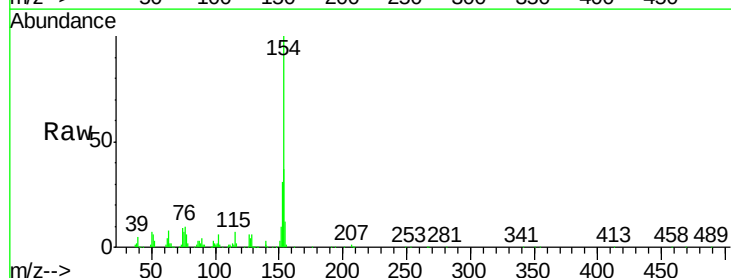
Tgt Ion:154 Resp: 251812

Ion Ratio Lower Upper

154 100

153 37.0 32.6 48.8

76 10.0 8.5 12.7



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): BM0

200000

150000

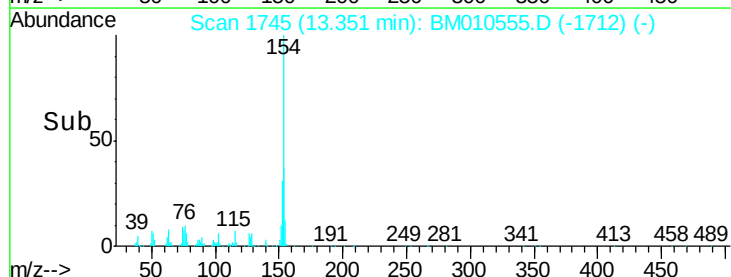
100000

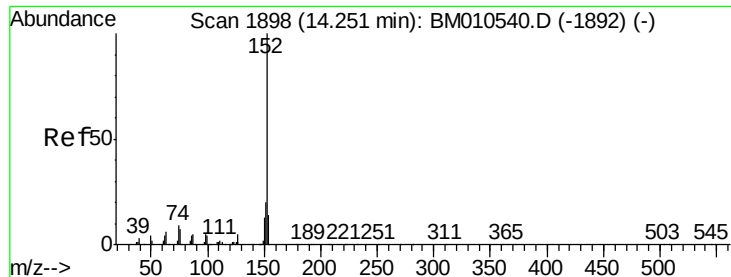
50000

0

13.30 13.35 13.40

Time-->





#47

Acenaphthylene

Concen: 1.42 ng/ul

RT: 14.25 min Scan# 1898

Delta R.T. 0.00 min

Lab File: BM010555.D

Acq: 13 Jun 2017 03:08

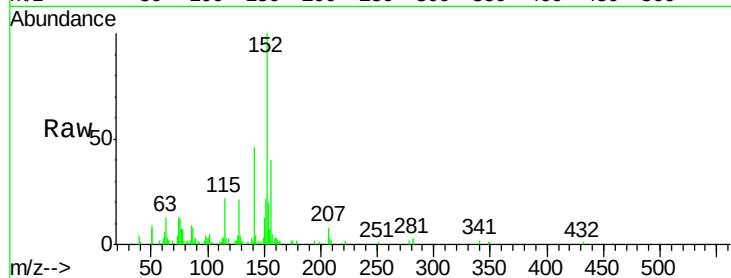
Tgt Ion:152 Resp: 42428

Ion Ratio Lower Upper

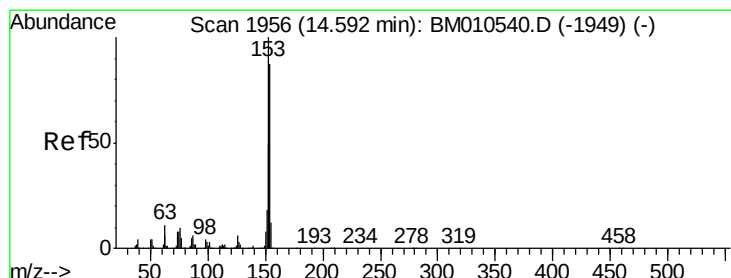
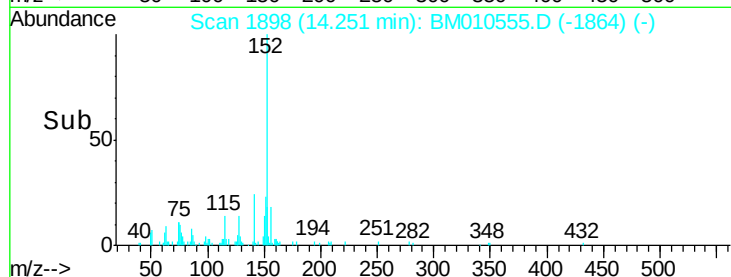
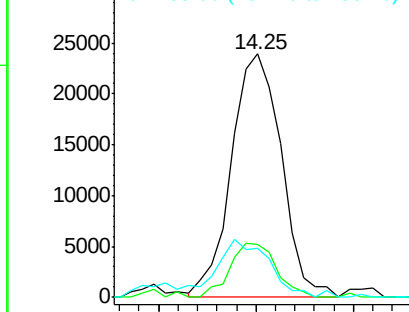
152 100

151 21.9 16.3 24.5

153 19.9 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: 47.06 ng/ul

RT: 14.59 min Scan# 1955

Delta R.T. -0.01 min

Lab File: BM010555.D

Acq: 13 Jun 2017 03:08

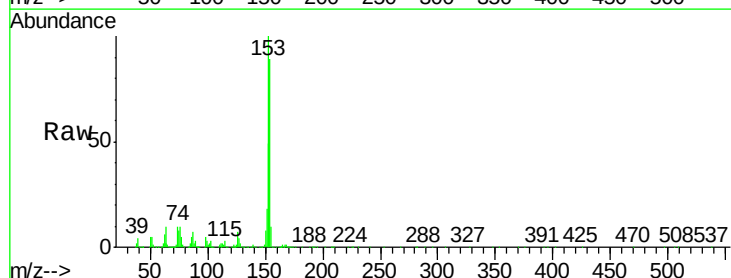
Tgt Ion:153 Resp: 984724

Ion Ratio Lower Upper

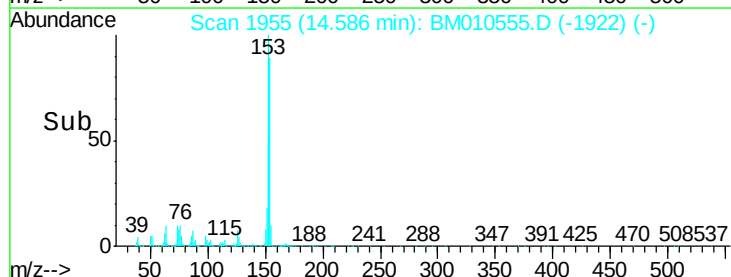
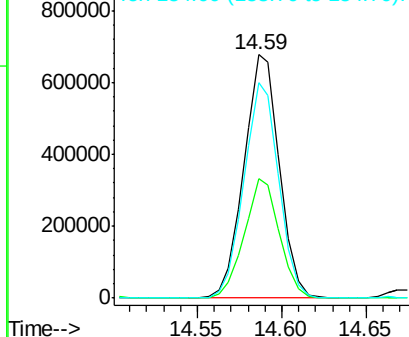
153 100

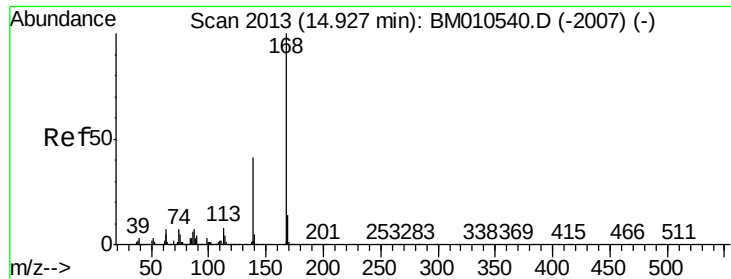
152 49.0 37.6 56.4

154 88.6 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

Dibenzenofuran

Concen: 37.77 ng/ul

RT: 14.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BM010555.D

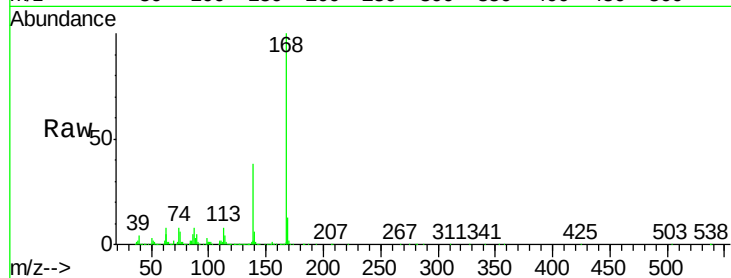
Acq: 13 Jun 2017 03:08

Tgt Ion:168 Resp: 1168510

Ion Ratio Lower Upper

168 100

139 38.4 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.92

800000

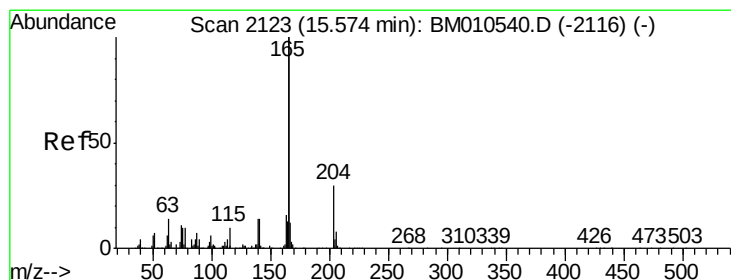
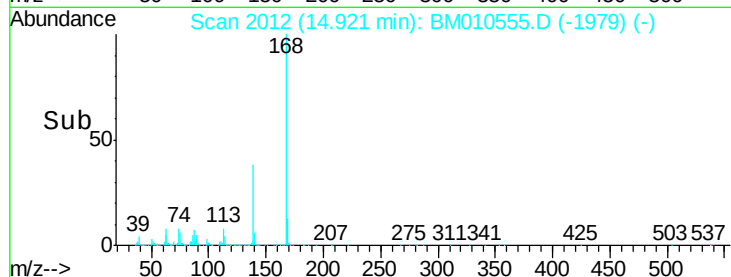
600000

400000

200000

0

Time--> 14.85 14.90 14.95



#58

Fluorene

Concen: 48.11 ng/ul

RT: 15.57 min Scan# 2123

Delta R.T. 0.00 min

Lab File: BM010555.D

Acq: 13 Jun 2017 03:08

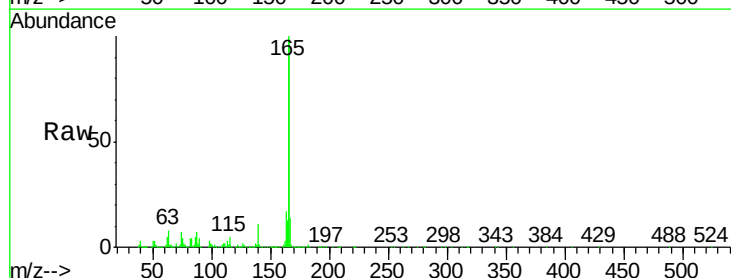
Tgt Ion:166 Resp: 1220965

Ion Ratio Lower Upper

166 100

165 100.5 77.9 116.9

167 13.9 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

15.57

1200000

1000000

800000

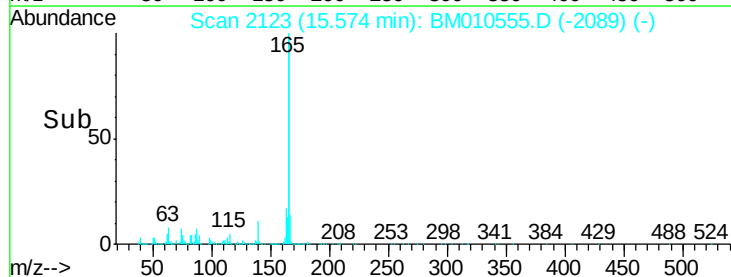
600000

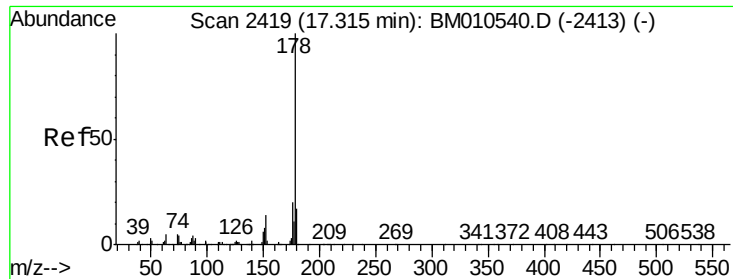
400000

200000

0

Time--> 15.50 15.55 15.60





#69

Phenanthrene

Concen: 169.39 ng/ul

RT: 17.32 min Scan# 2420

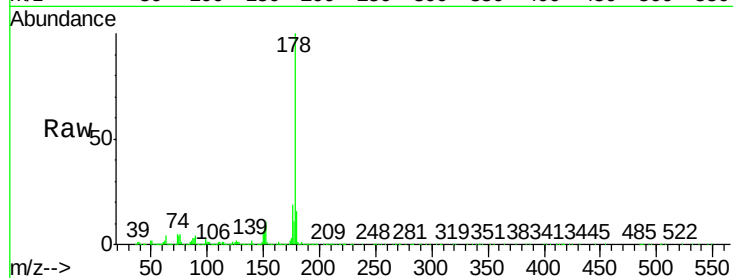
Delta R.T. 0.01 min

Lab File: BM010555.D

Acq: 13 Jun 2017 03:08

Tgt Ion:178 Resp: 7793062

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.6	19.0
176	19.4	14.9	22.3

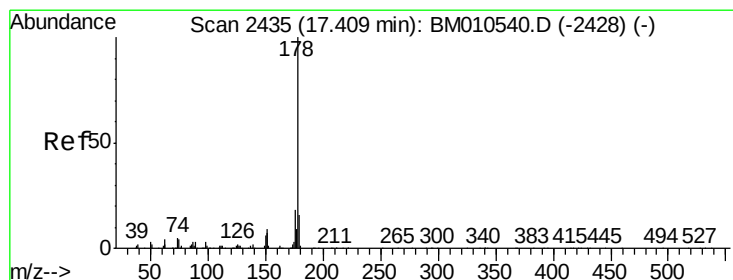
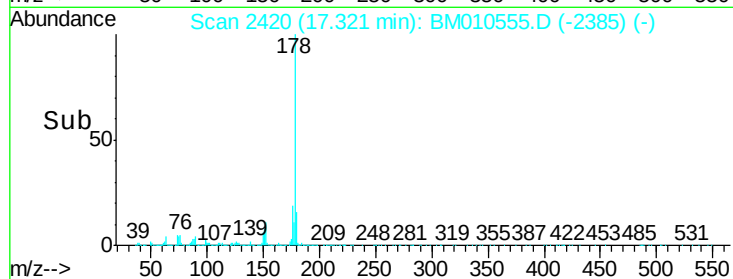
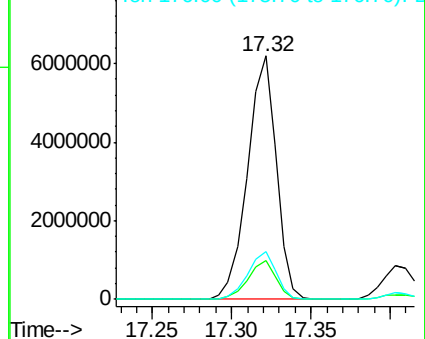


Abundance

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: 24.75 ng/ul

RT: 17.40 min Scan# 2434

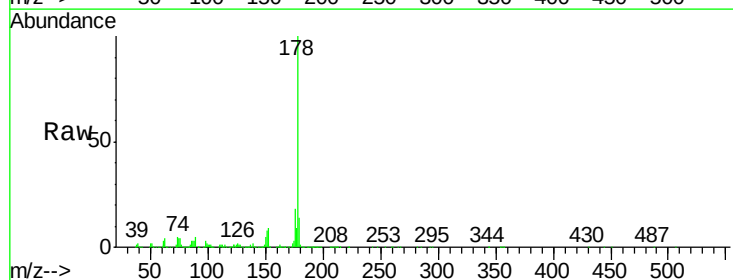
Delta R.T. -0.01 min

Lab File: BM010555.D

Acq: 13 Jun 2017 03:08

Tgt Ion:178 Resp: 1188901

Ion	Ratio	Lower	Upper
178	100		
179	14.0	11.7	17.5
176	18.5	14.6	21.8

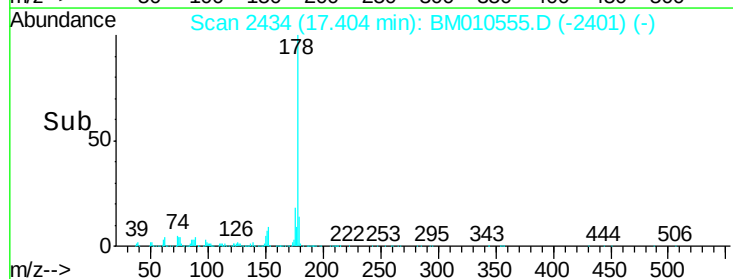
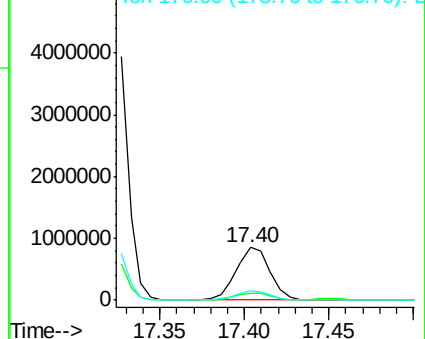


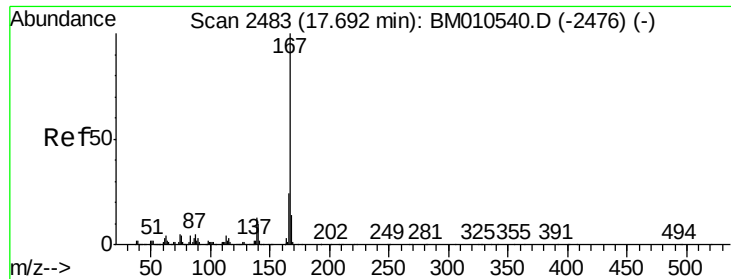
Abundance

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: 7.13 ng/ul

RT: 17.69 min Scan# 2483

Delta R.T. 0.00 min

Lab File: BM010555.D

Acq: 13 Jun 2017 03:08

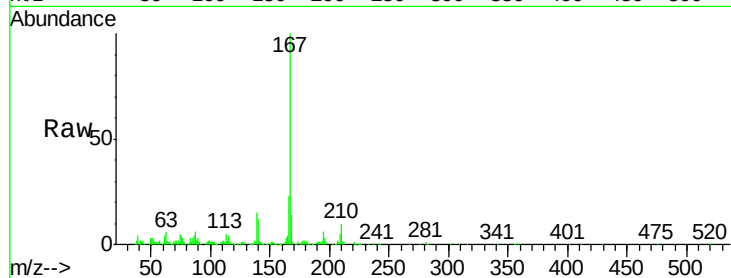
Tgt Ion:167 Resp: 289970

Ion Ratio Lower Upper

167 100

166 23.0 17.1 25.7

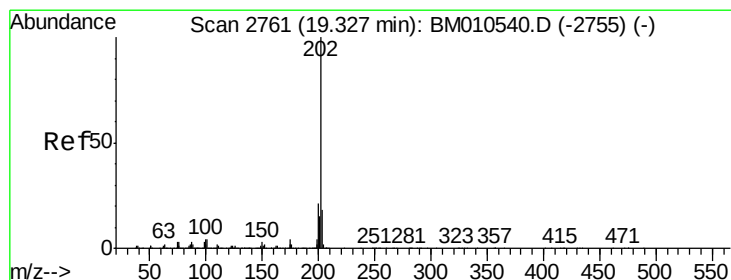
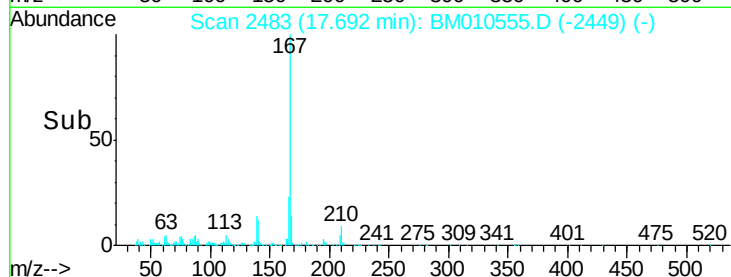
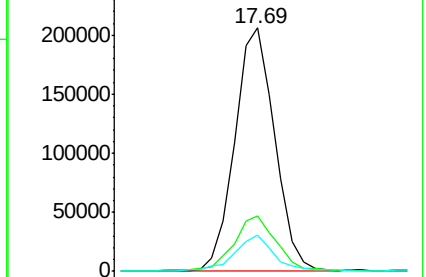
139 14.8 10.0 15.0



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



#74

Fluoranthene

Concen: 87.17 ng/ul

RT: 19.33 min Scan# 2761

Delta R.T. 0.00 min

Lab File: BM010555.D

Acq: 13 Jun 2017 03:08

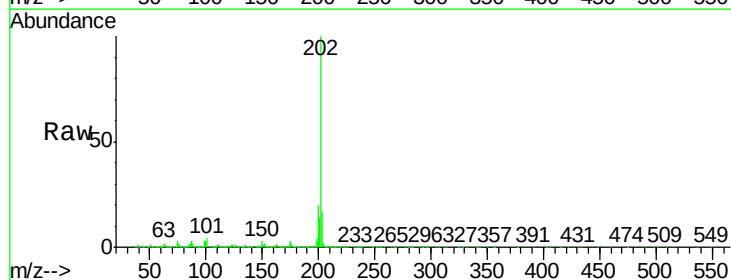
Tgt Ion:202 Resp: 4931580

Ion Ratio Lower Upper

202 100

101 3.7 4.6 7.0#

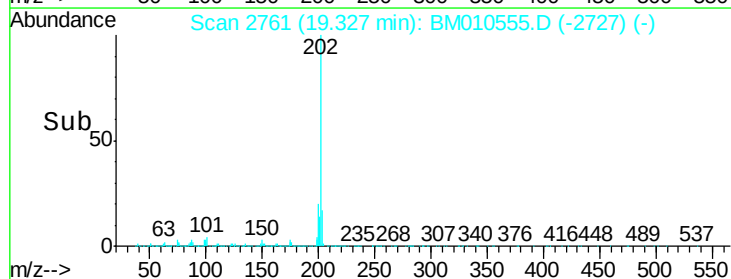
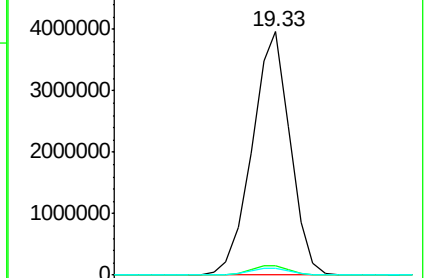
100 3.0 3.4 5.2#

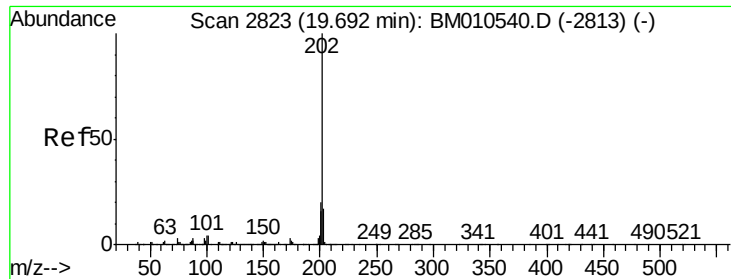


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pyrene

Concen: 46.59 ng/ul

RT: 19.69 min Scan# 2823

Delta R.T. 0.00 min

Lab File: BM010555.D

Acq: 13 Jun 2017 03:08

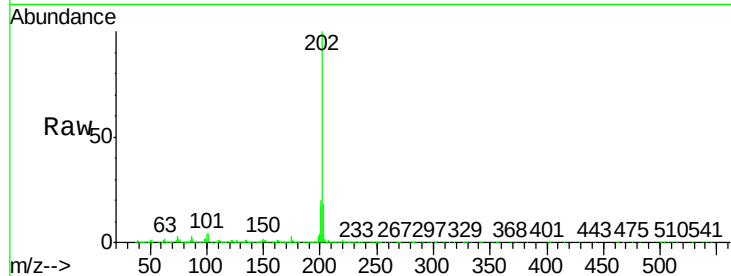
Tgt Ion:202 Resp: 3193405

Ion Ratio Lower Upper

202 100

101 4.0 5.1 7.7#

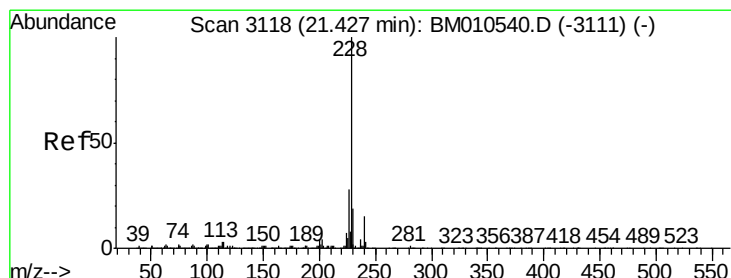
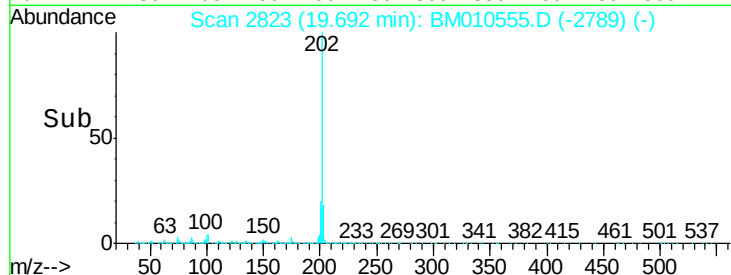
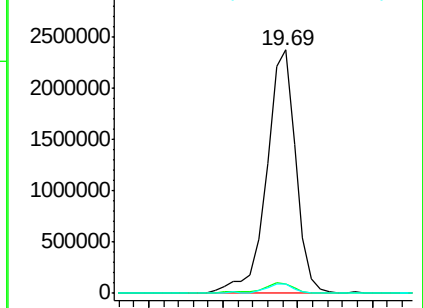
100 3.7 4.9 7.3#



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: 16.28 ng/ul

RT: 21.42 min Scan# 3117

Delta R.T. -0.01 min

Lab File: BM010555.D

Acq: 13 Jun 2017 03:08

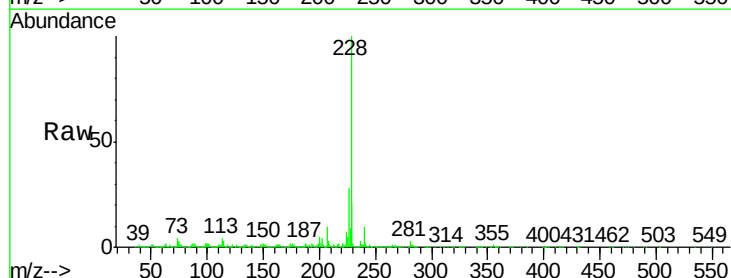
Tgt Ion:228 Resp: 1221479

Ion Ratio Lower Upper

228 100

229 21.3 15.4 23.0

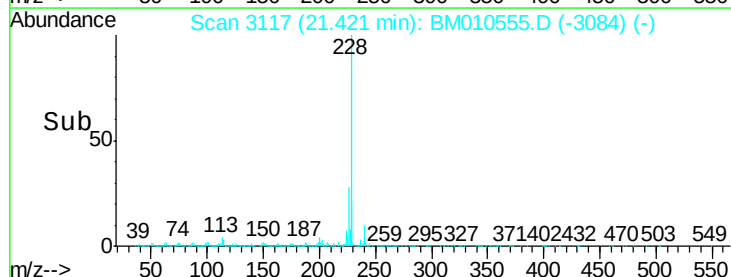
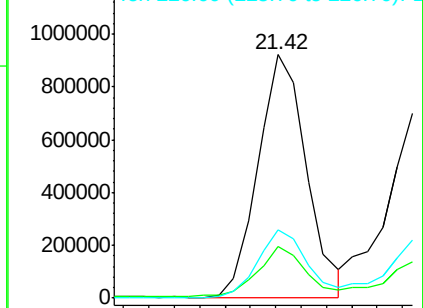
226 28.1 21.4 32.0

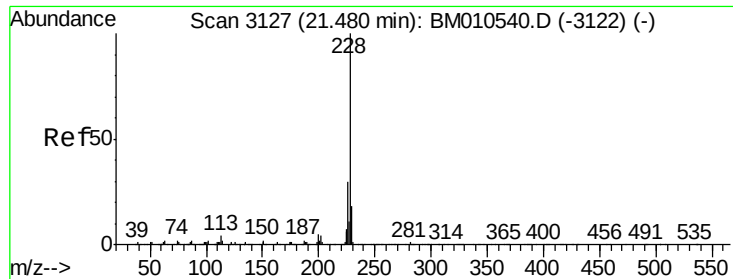


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 14.03 ng/ul

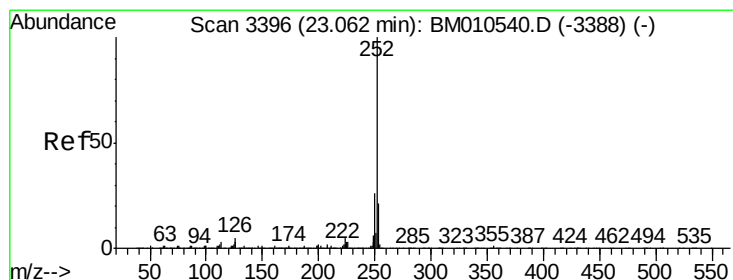
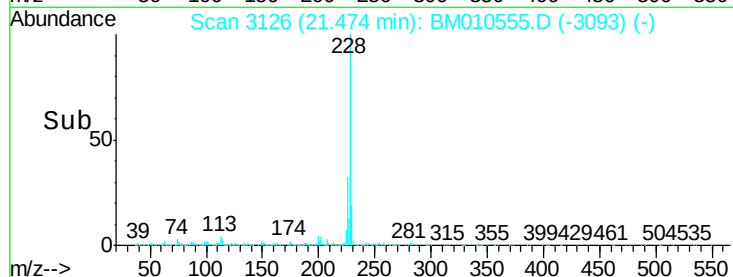
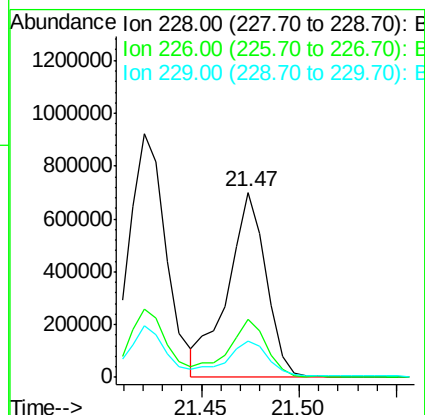
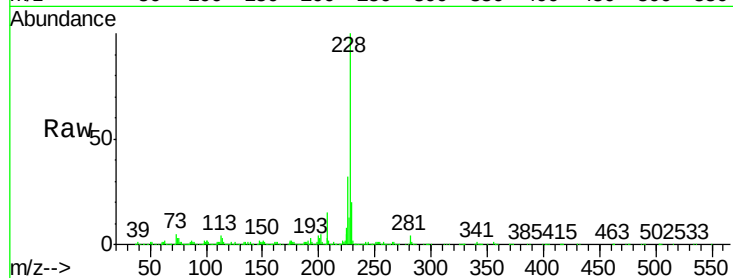
RT: 21.47 min Scan# 3126

Delta R.T. -0.01 min

Lab File: BM010555.D

Acq: 13 Jun 2017 03:08

Tgt Ion:	228	Resp:	951565
Ion	Ratio	Lower	Upper
228	100		
226	31.6	23.4	35.2
229	19.7	15.5	23.3



#85

Benzo(b)fluoranthene

Concen: 12.08 ng/ul

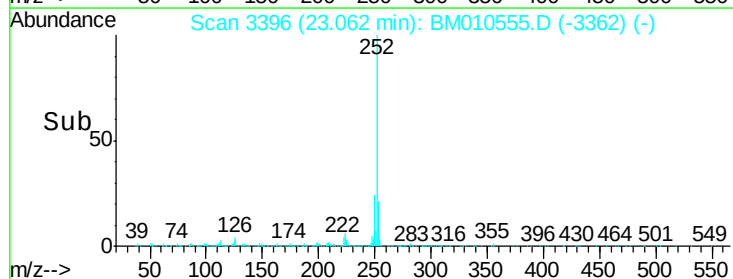
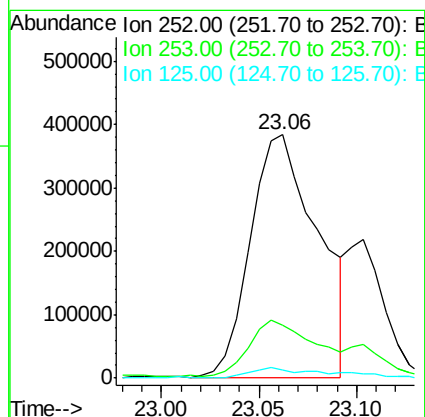
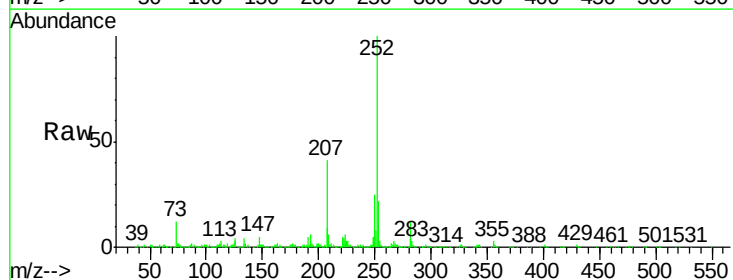
RT: 23.06 min Scan# 3396

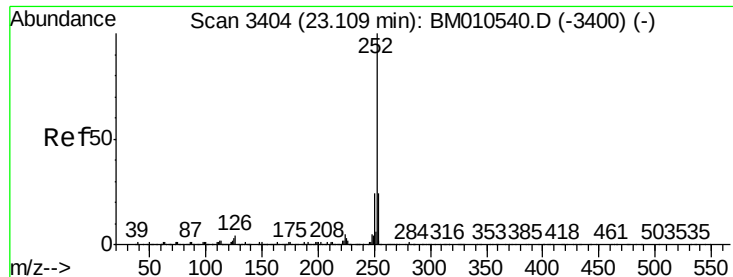
Delta R.T. 0.00 min

Lab File: BM010555.D

Acq: 13 Jun 2017 03:08

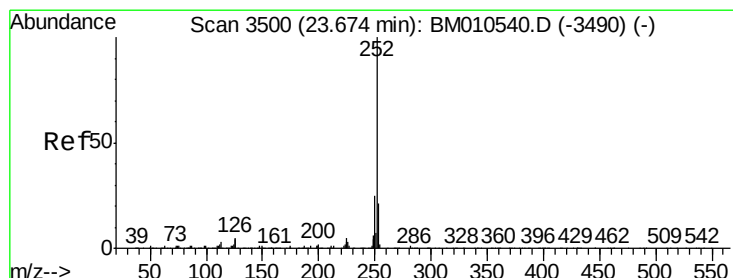
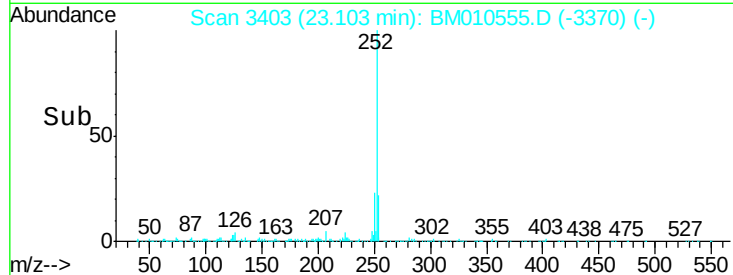
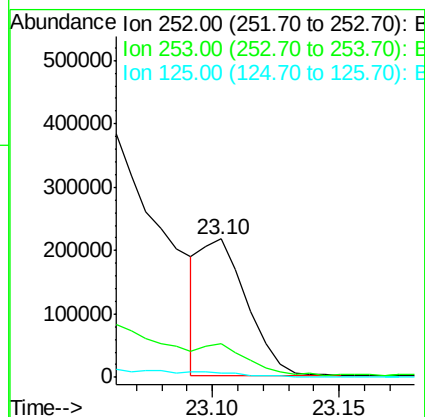
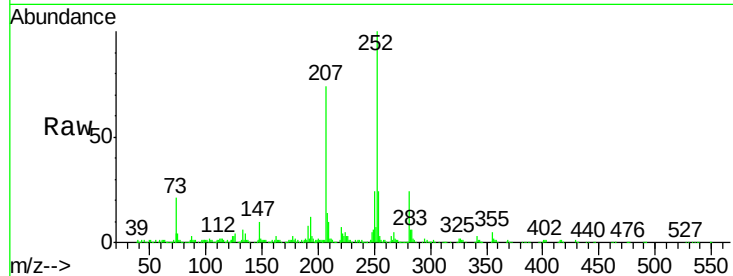
Tgt Ion:	252	Resp:	915051
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	3.2	3.6	5.4





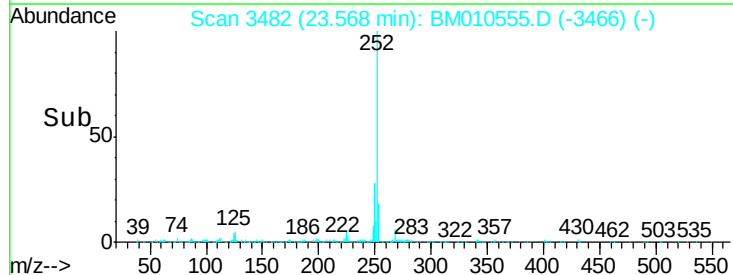
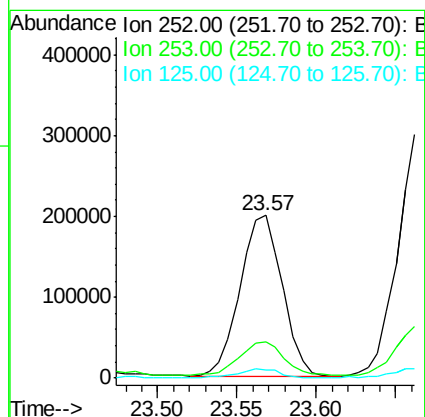
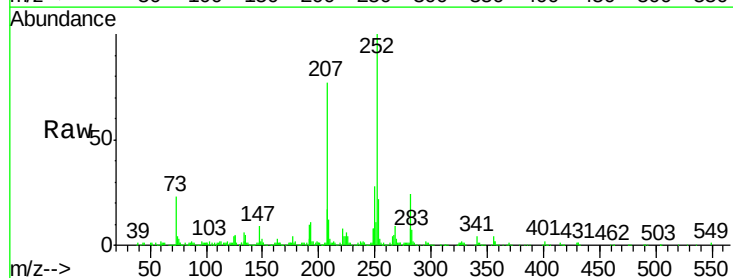
#86
Benzo(k)fluoranthene
Concen: 3.78 ng/ul
RT: 23.10 min Scan# 3403
Delta R.T. -0.01 min
Lab File: BM010555.D
Acq: 13 Jun 2017 03:08

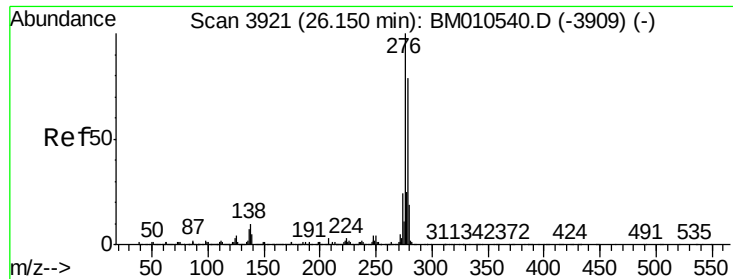
Tgt Ion: 252 Resp: 273424
Ion Ratio Lower Upper
252 100
253 24.3 17.1 25.7
125 3.4 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 4.93 ng/ul
RT: 23.57 min Scan# 3482
Delta R.T. -0.11 min
Lab File: BM010555.D
Acq: 13 Jun 2017 03:08

Tgt Ion: 252 Resp: 370348
Ion Ratio Lower Upper
252 100
253 22.2 18.2 27.2
125 5.3 4.0 6.0

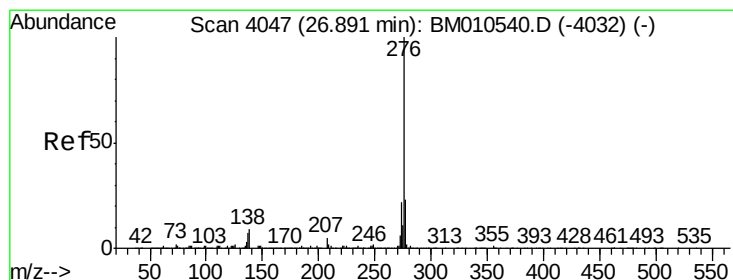
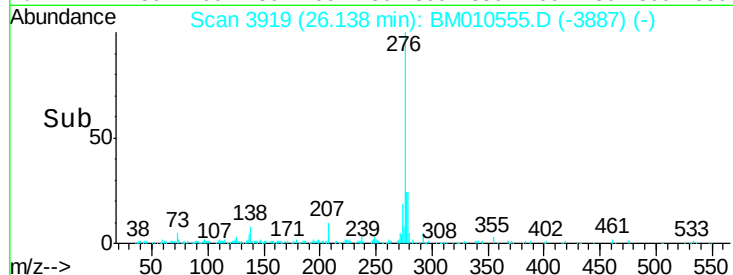
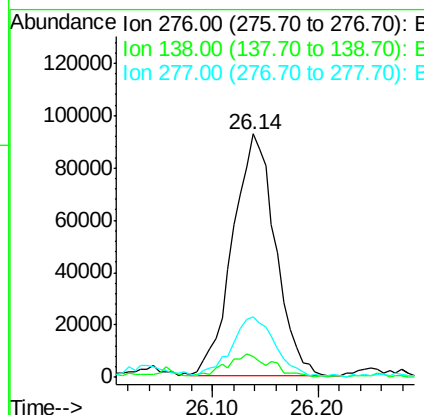
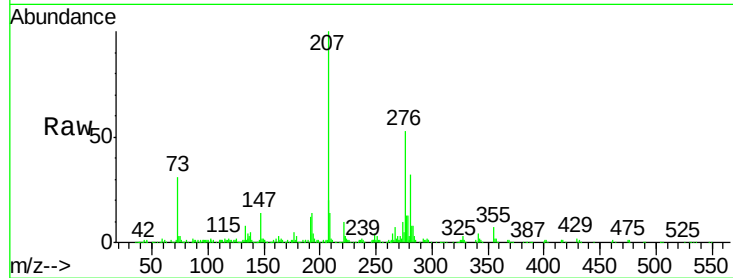




#89

Indeno(1,2,3-cd)pyrene
Concen: 2.74 ng/ul
RT: 26.14 min Scan# 3919
Delta R.T. -0.01 min
Lab File: BM010555.D
Acq: 13 Jun 2017 03:08

Tgt Ion	Ratio	Lower	Upper
276	100		
138	8.8	9.3	13.9#
277	24.7	19.9	29.9



#91

Benzo(g,h,i)perylene
Concen: 2.58 ng/ul
RT: 26.88 min Scan# 4045
Delta R.T. -0.01 min
Lab File: BM010555.D
Acq: 13 Jun 2017 03:08

Tgt Ion	Ratio	Lower	Upper
276	100		
138	10.9	8.5	12.7
277	28.1	18.6	28.0#

