

Data File : BM010552.D
Acq On : 13 Jun 2017 01:21
Operator : SJ/MA
Sample : I3521-10DL2 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 13 03:36:15 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	7.89	152	102777	20.00	ng/ul	0.00
18) Naphthalene-d8	10.69	136	372428	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	255290	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.27	188	694204	20.00	ng/ul	0.00
75) Chrysene-d12	21.44	240	1030648	20.00	ng/ul	0.00
83) Perylene-d12	23.77	264	1044544	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.53	96	153	0.06	ng/uL	0.17
5) Phenol-d5	7.08	99	2709	0.35	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.23	67	379	0.09	ng/ul	0.00
9) 2-Chlorophenol-d4	7.43	132	1999	0.32	ng/ul	0.00
13) 4-Methylphenol-d8	8.61	113	497	0.08	ng/ul	0.00
19) Nitrobenzene-d5	9.08	128	725	0.27	ng/ul	0.00
22) 2-Nitrophenol-d4	9.79	143	2353	0.74	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.33	165	3327	0.51	ng/ul	0.02
29) 4-Chloroaniline-d4	10.85	131	3262	0.52	ng/ul	0.00
43) Dimethylphthalate-d6	13.94	166	17177	0.81	ng/ul	0.00
46) Acenaphthylene-d8	14.23	160	16127	0.65	ng/ul	0.00
51) 4-Nitrophenol-d4	14.80	143	110	0.03	ng/ul	0.03
57) Fluorene-d10	15.52	176	15551	0.83	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.66	200	2012	0.41	ng/ul	0.01
70) Anthracene-d10	17.37	188	21533	0.64	ng/ul	0.00
76) Pyrene-d10	19.66	212	27478	0.64	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.61	264	32739	0.67	ng/ul	-0.02

Target Compounds

						Qvalue
28) Naphthalene	10.74	128	1618748	86.66	ng/ul	99
30) 4-Chloroaniline	10.74	127	215962	35.72	ng/ul#	23
34) 2-Methylnaphthalene	12.34	142	558598	39.44	ng/ul	98
40) 1,1'-Biphenyl	13.36	154	161292	7.79	ng/ul	94
49) Acenaphthene	14.59	153	475080	28.01	ng/ul	97
52) 4-Nitrophenol	14.92	109	5343	1.23	ng/ul#	1
53) Dibenzofuran	14.92	168	641223	25.57	ng/ul	99
58) Fluorene	15.57	166	630348	30.64	ng/ul	99
60) 4-Nitroaniline	15.57	138	8440	2.19	ng/ul#	1
69) Phenanthrene	17.32	178	3117038	84.11	ng/ul	99
71) Anthracene	17.40	178	307083	7.94	ng/ul	96
72) Carbazole	17.69	167	139123	4.25	ng/ul	97
74) Fluoranthene	19.32	202	1837249	40.31	ng/ul#	96
77) Pyrene	19.69	202	1185534	22.32	ng/ul#	93
80) Benzo(a)anthracene	21.42	228	383801	6.60	ng/ul	99
82) Chrysene	21.47	228	302891	5.77	ng/ul	96
85) Benzo(b)fluoranthene	23.06	252	220515	3.63	ng/ul	100
86) Benzo(k)fluoranthene	23.06	252	220515	3.80	ng/ul	98
88) Benzo(a)pyrene	23.67	252	121219	2.01	ng/ul	96

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

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Sample : I3521-10DL2 30X

Misc :

ALS Vial : 26 Sample Multiplier: 1

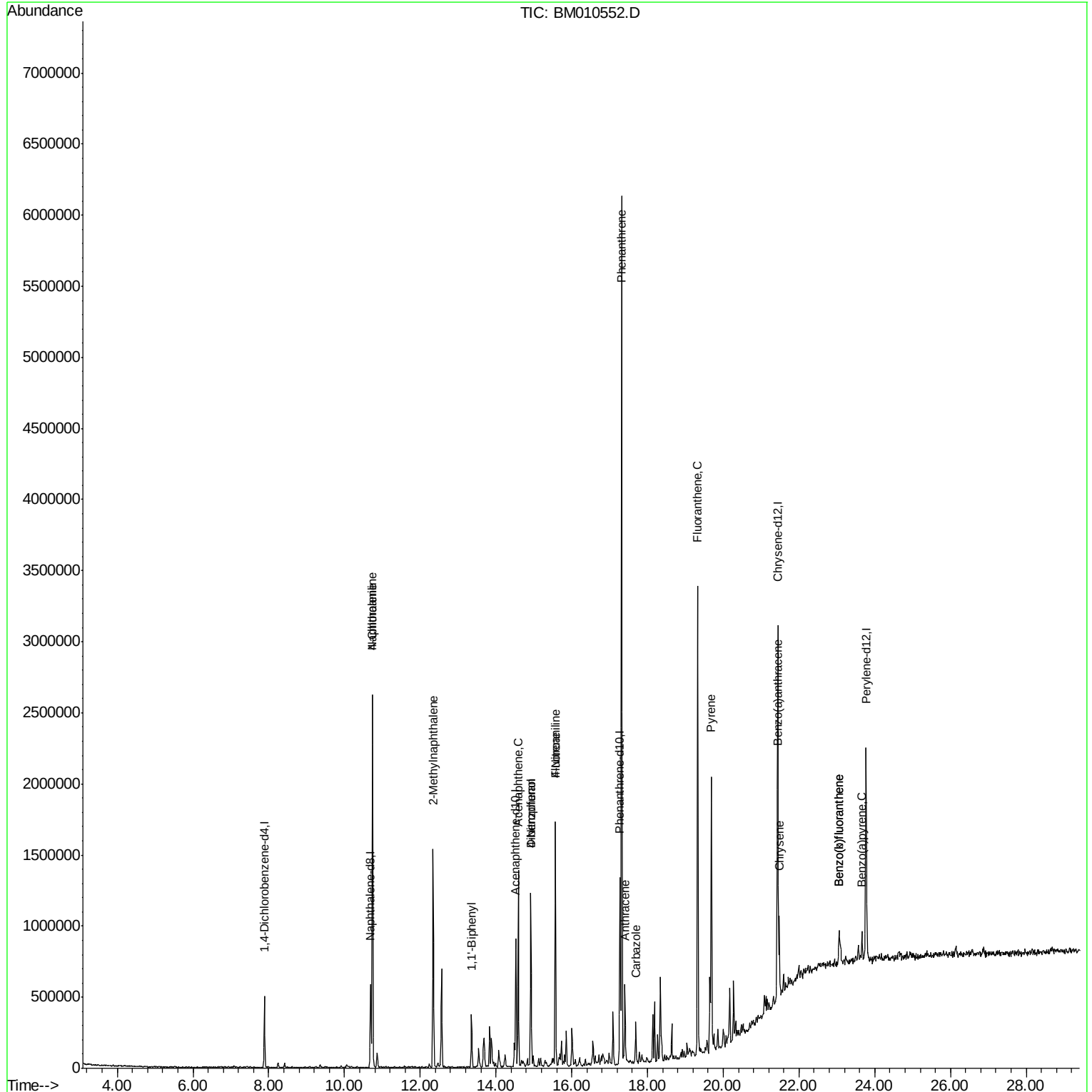
Quant Time: Jun 13 03:36:15 2017

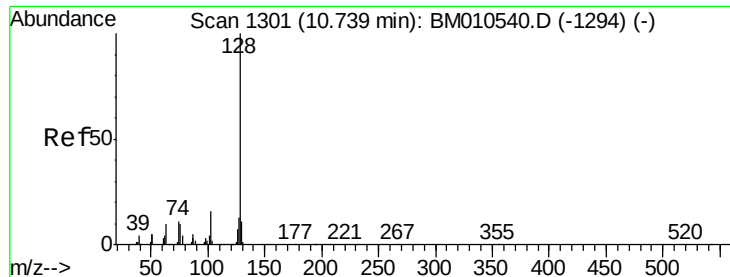
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Jun 13 03:33:28 2017

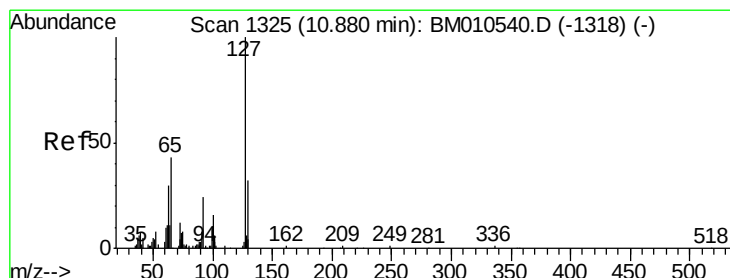
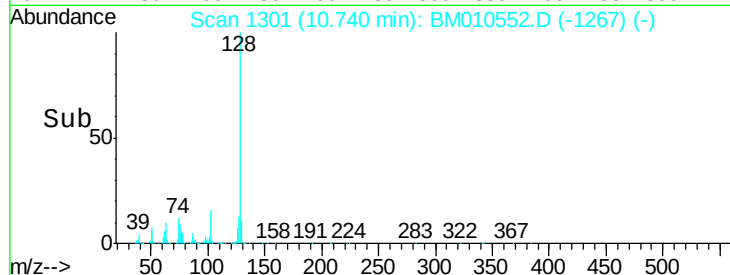
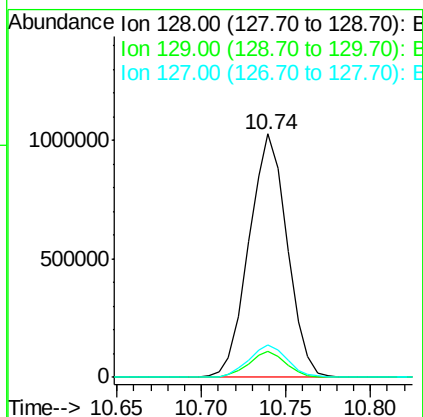
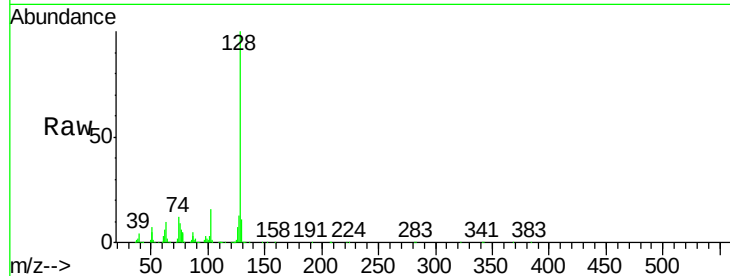
Response via : Initial Calibration





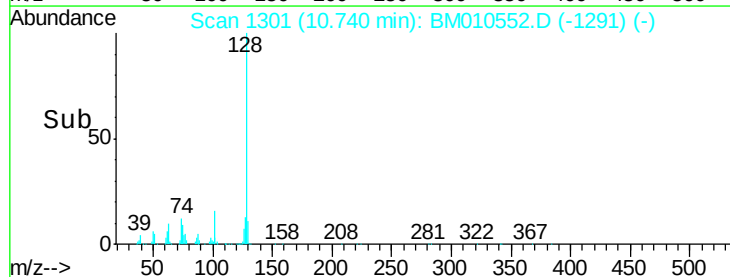
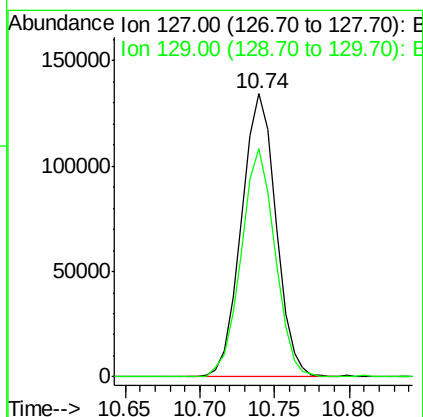
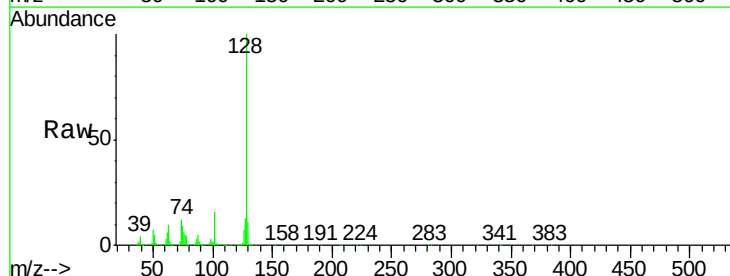
#28
Naphthalene
Concen: 86.66 ng/ul
RT: 10.74 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BM010552.D
Acq: 13 Jun 2017 01:21

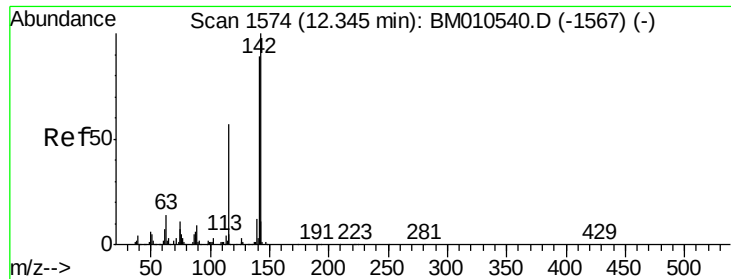
Tgt Ion:128 Resp: 1618748
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 13.1 10.6 16.0



#30
4-Chloroaniline
Concen: 35.72 ng/ul
RT: 10.74 min Scan# 1301
Delta R.T. -0.14 min
Lab File: BM010552.D
Acq: 13 Jun 2017 01:21

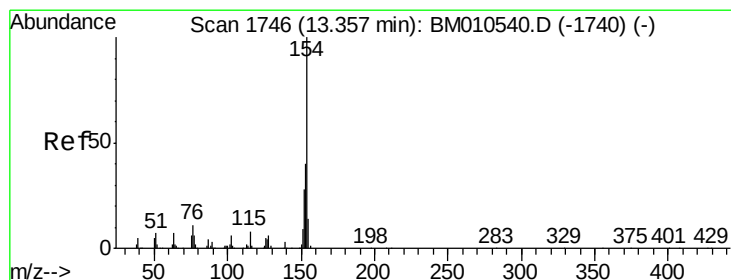
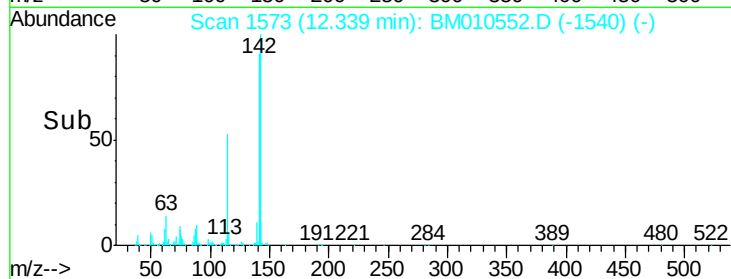
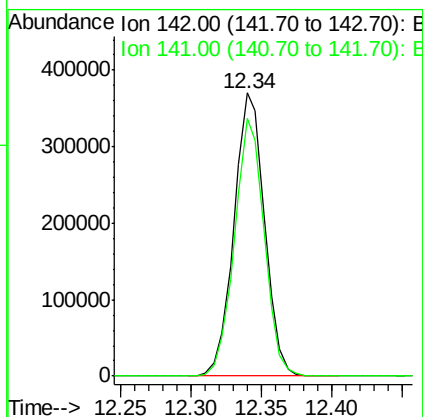
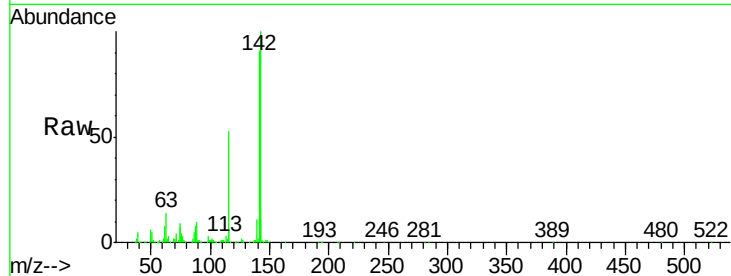
Tgt Ion:127 Resp: 215962
Ion Ratio Lower Upper
127 100
129 80.7 28.4 42.6#





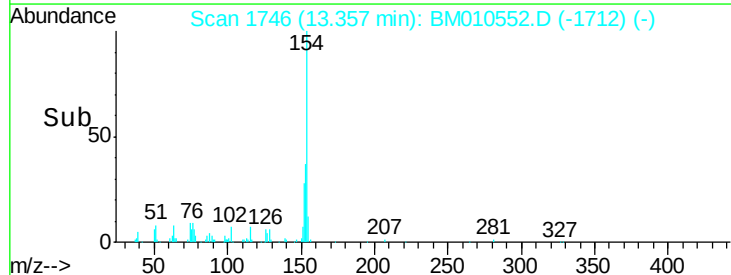
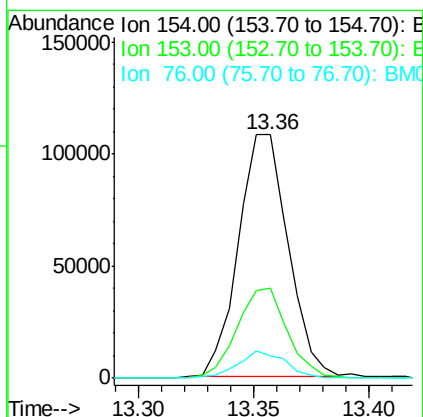
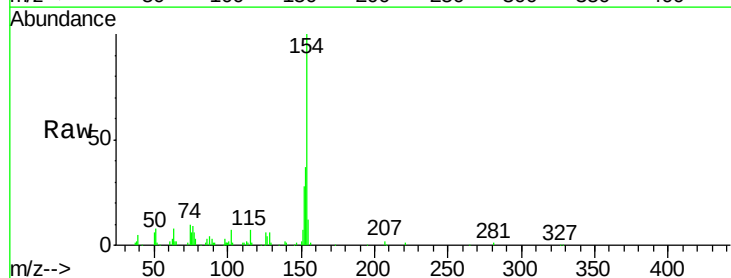
#34
 2-Methylnaphthalene
 Concen: 39.44 ng/ul
 RT: 12.34 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: BM010552.D
 Acq: 13 Jun 2017 01:21

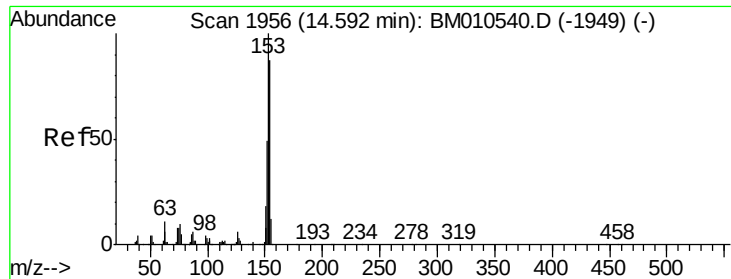
Tgt Ion:142 Resp: 558598
 Ion Ratio Lower Upper
 142 100
 141 90.9 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 7.79 ng/ul
 RT: 13.36 min Scan# 1746
 Delta R.T. 0.00 min
 Lab File: BM010552.D
 Acq: 13 Jun 2017 01:21

Tgt Ion:154 Resp: 161292
 Ion Ratio Lower Upper
 154 100
 153 36.9 32.6 48.8
 76 9.3 8.5 12.7





#49

Acenaphthene

Concen: 28.01 ng/ul

RT: 14.59 min Scan# 1955

Delta R.T. -0.01 min

Lab File: BM010552.D

Acq: 13 Jun 2017 01:21

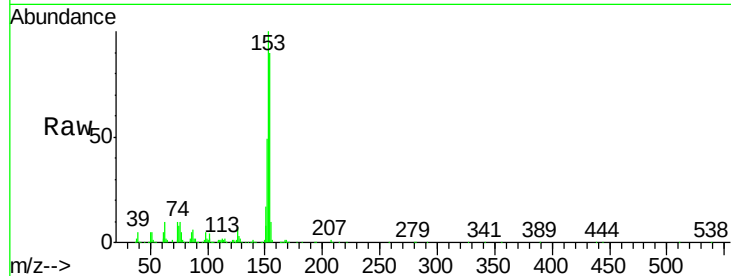
Tgt Ion:153 Resp: 475080

Ion Ratio Lower Upper

153 100

152 48.7 37.6 56.4

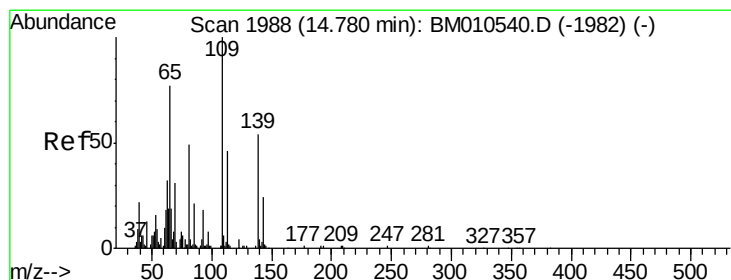
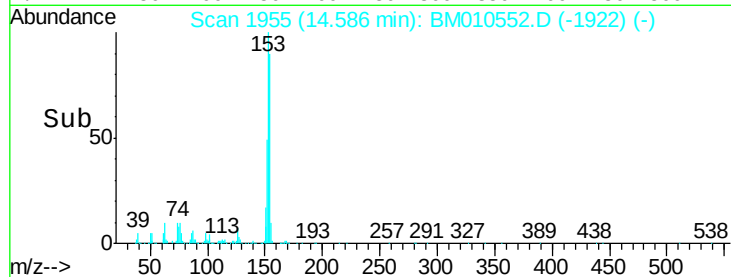
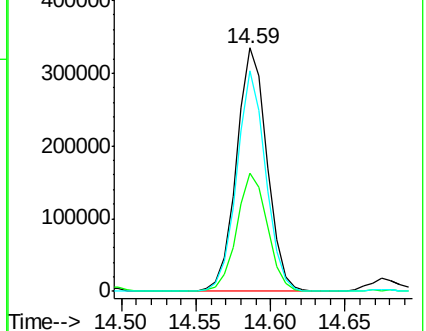
154 90.4 70.4 105.6



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



#52

4-Nitrophenol

Concen: 1.23 ng/ul

RT: 14.92 min Scan# 2011

Delta R.T. 0.14 min

Lab File: BM010552.D

Acq: 13 Jun 2017 01:21

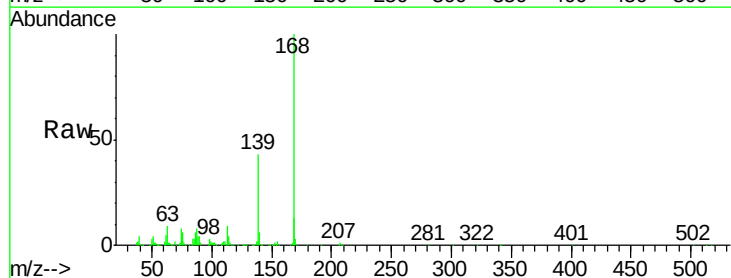
Tgt Ion:109 Resp: 5343

Ion Ratio Lower Upper

109 100

139 4202.6 66.6 100.0#

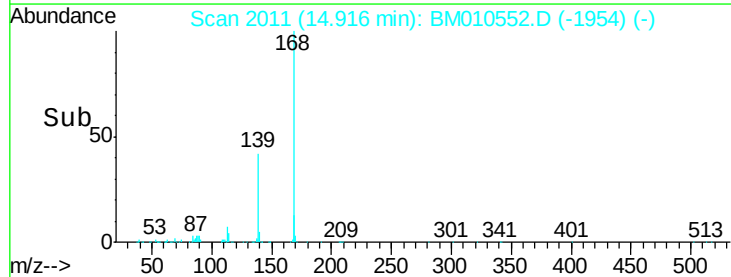
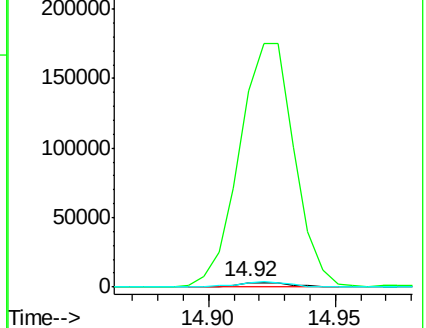
65 86.5 78.3 117.5

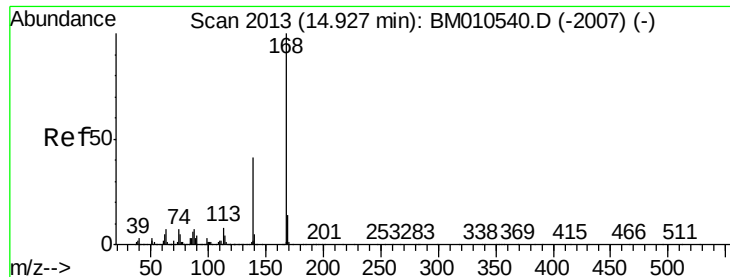


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM





#53

Dibenzenofuran

Concen: 25.57 ng/ul

RT: 14.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BM010552.D

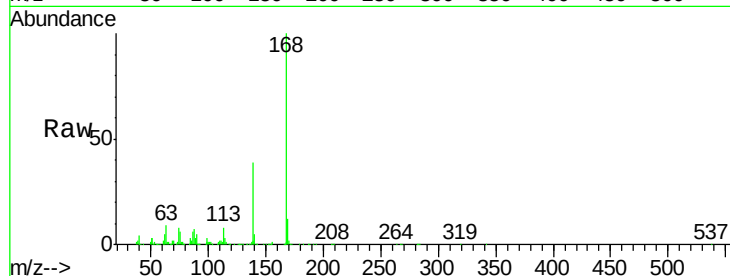
Acq: 13 Jun 2017 01:21

Tgt Ion:168 Resp: 641223

Ion Ratio Lower Upper

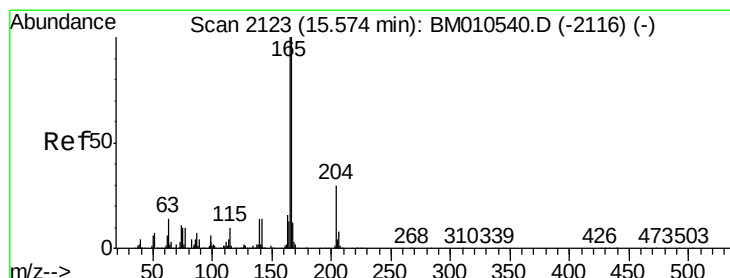
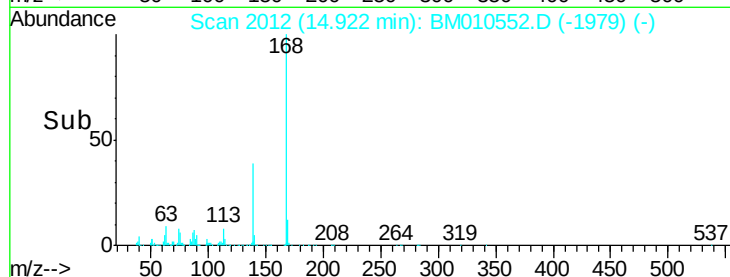
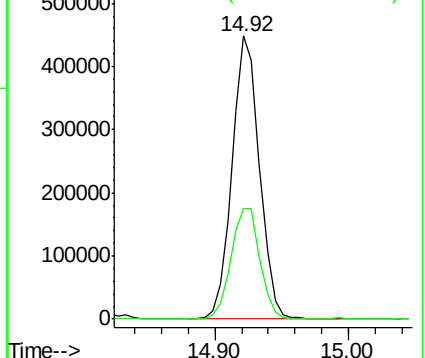
168 100

139 39.0 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 30.64 ng/ul

RT: 15.57 min Scan# 2122

Delta R.T. -0.01 min

Lab File: BM010552.D

Acq: 13 Jun 2017 01:21

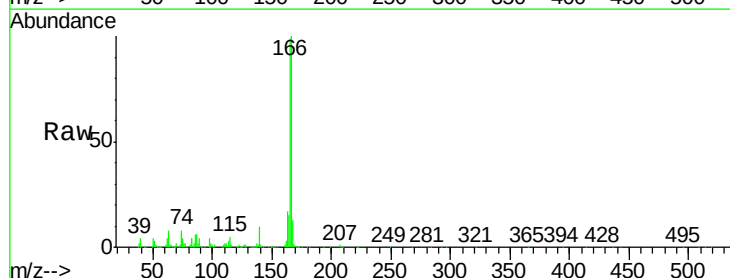
Tgt Ion:166 Resp: 630348

Ion Ratio Lower Upper

166 100

165 98.7 77.9 116.9

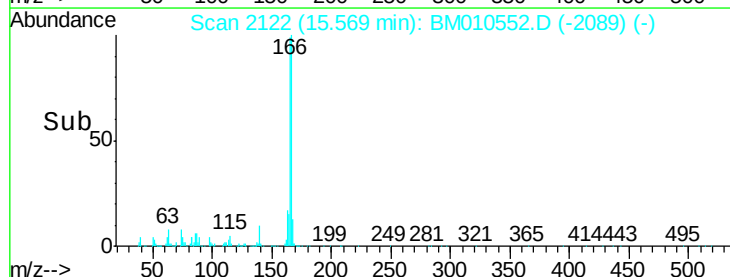
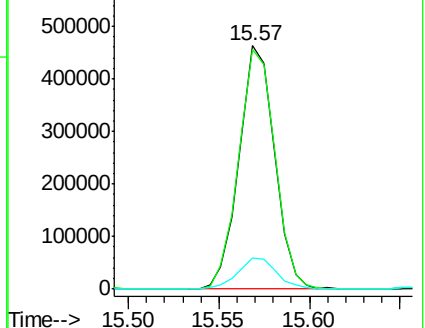
167 13.0 10.6 16.0

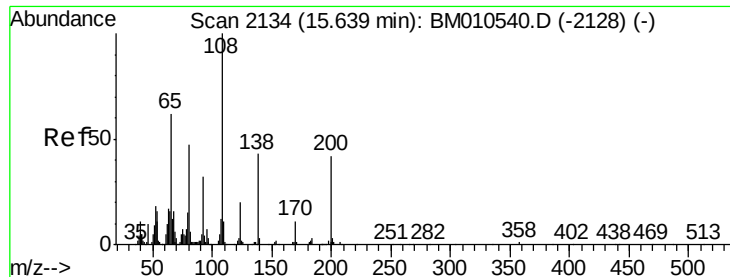


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

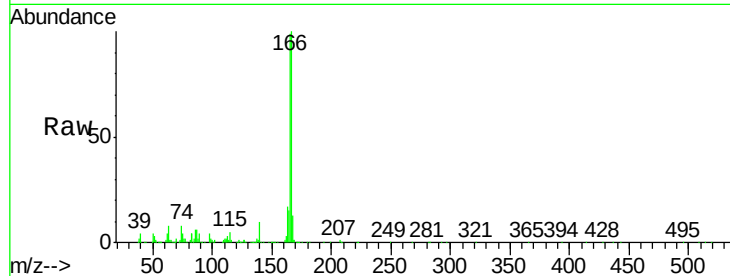
Ion 167.00 (166.70 to 167.70): E



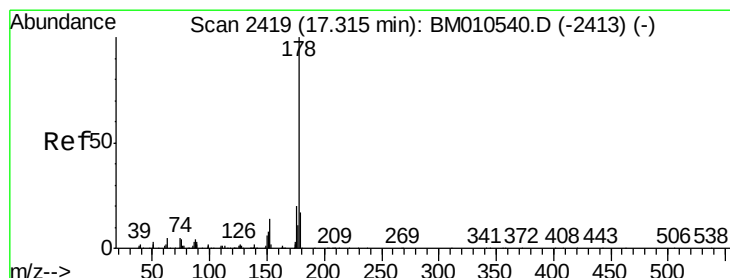
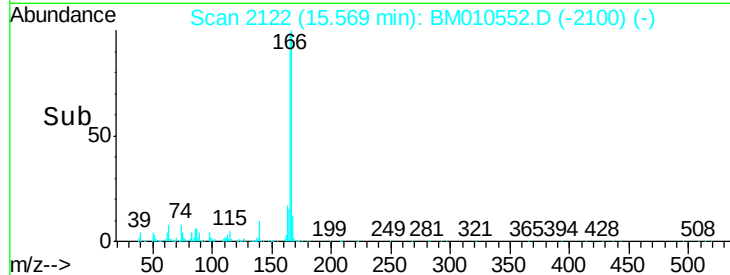
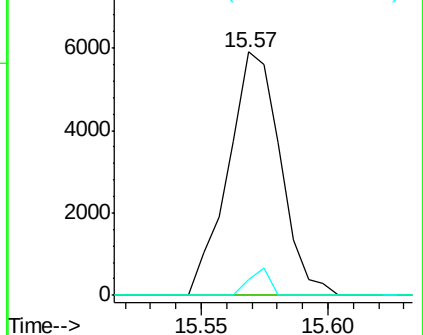


#60
4-Nitroaniline
Concen: 2.19 ng/ul
RT: 15.57 min Scan# 2122
Delta R.T. -0.07 min
Lab File: BM010552.D
Acq: 13 Jun 2017 01:21

Tgt Ion:138 Resp: 8440
Ion Ratio Lower Upper
138 100
92 0.0 52.7 79.1#
108 6.4 140.4 210.6#

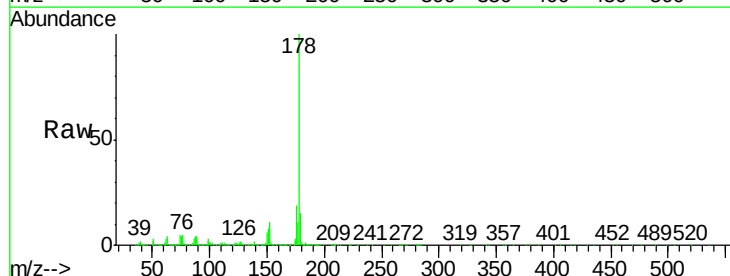


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BM0
Ion 108.00 (107.70 to 108.70): E

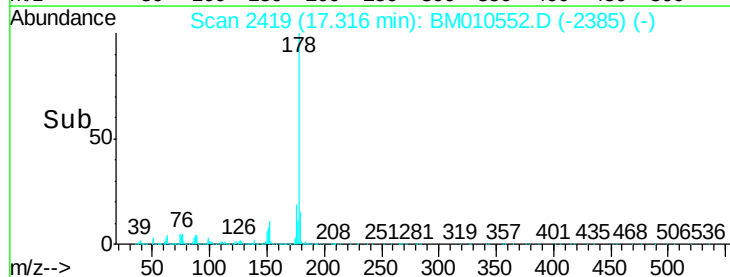
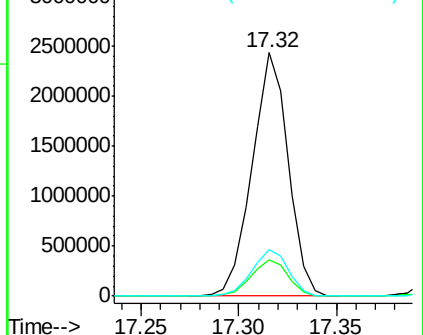


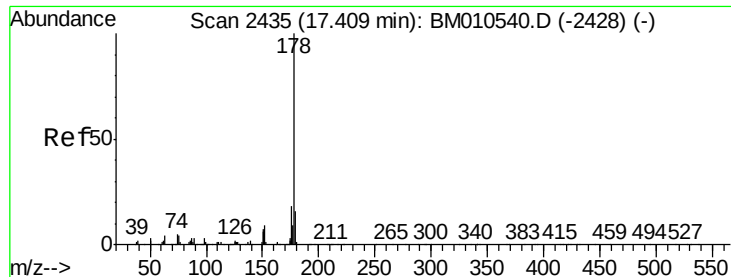
#69
Phenanthrene
Concen: 84.11 ng/ul
RT: 17.32 min Scan# 2419
Delta R.T. 0.00 min
Lab File: BM010552.D
Acq: 13 Jun 2017 01:21

Tgt Ion:178 Resp: 3117038
Ion Ratio Lower Upper
178 100
179 15.0 12.6 19.0
176 19.0 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: 7.94 ng/ul

RT: 17.40 min Scan# 2434

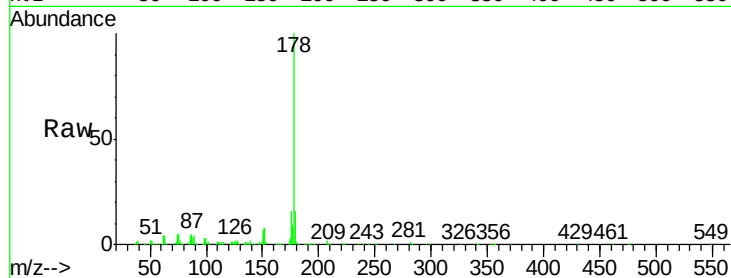
Delta R.T. -0.01 min

Lab File: BM010552.D

Acq: 13 Jun 2017 01:21

Tgt Ion:178 Resp: 307083

Ion	Ratio	Lower	Upper
178	100		
179	16.4	11.7	17.5
176	16.3	14.6	21.8

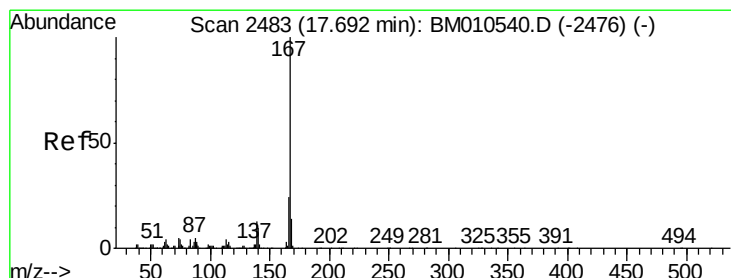
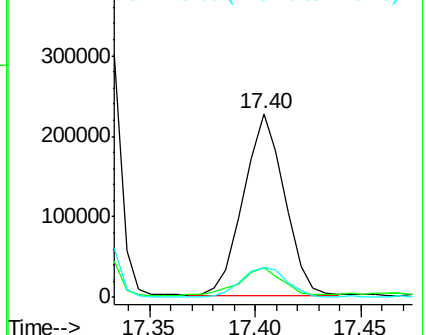
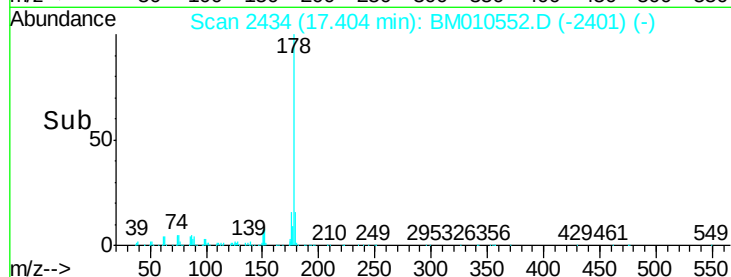


Abundance

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: 4.25 ng/ul

RT: 17.69 min Scan# 2483

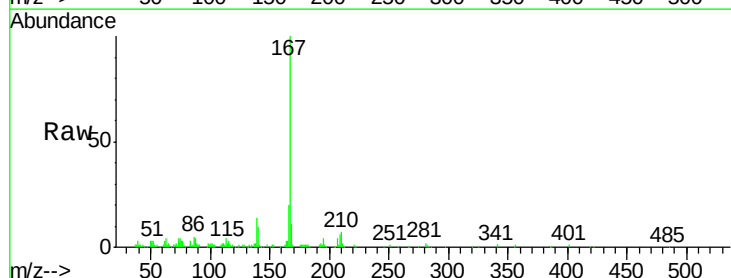
Delta R.T. 0.00 min

Lab File: BM010552.D

Acq: 13 Jun 2017 01:21

Tgt Ion:167 Resp: 139123

Ion	Ratio	Lower	Upper
167	100		
166	19.9	17.1	25.7
139	13.6	10.0	15.0

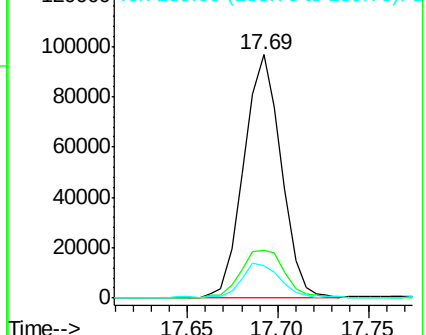
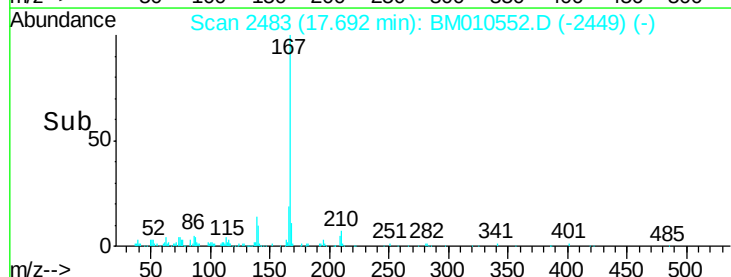


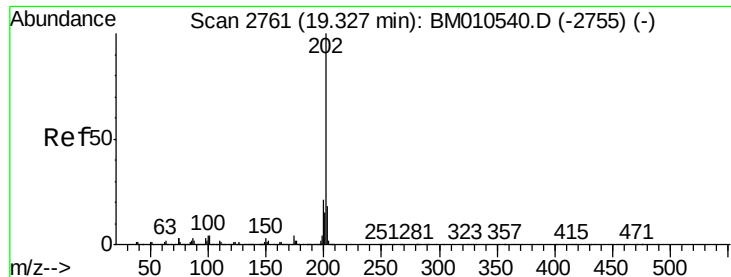
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

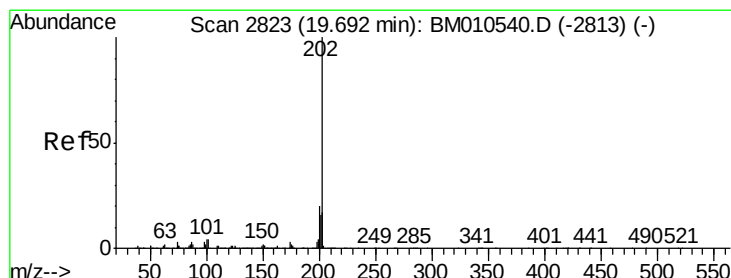
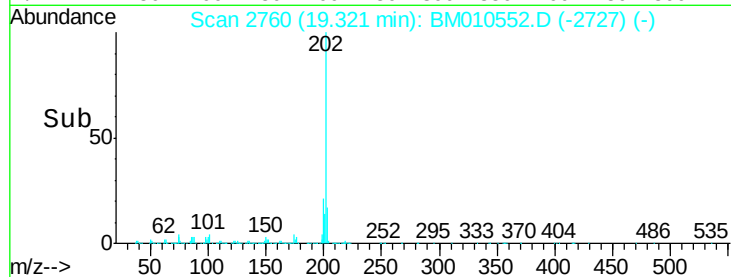
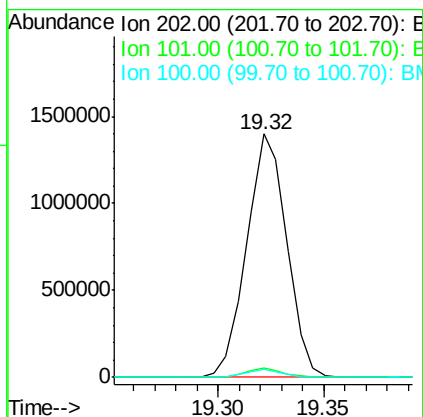
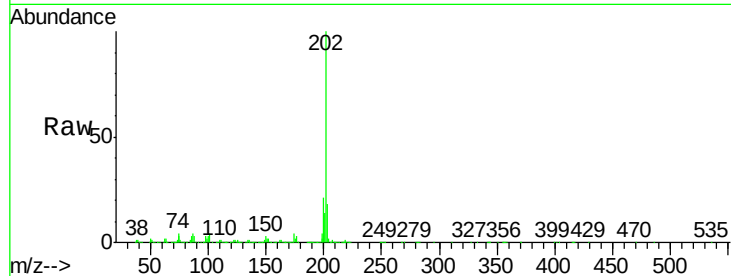
Ion 139.00 (138.70 to 139.70): E





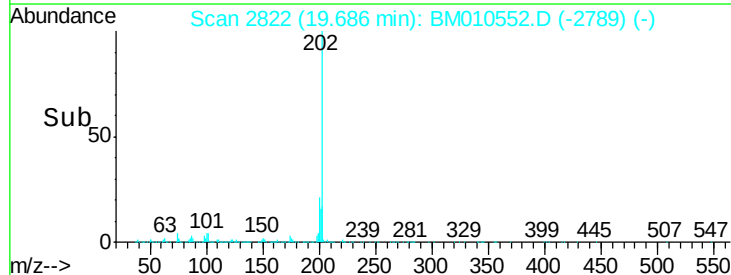
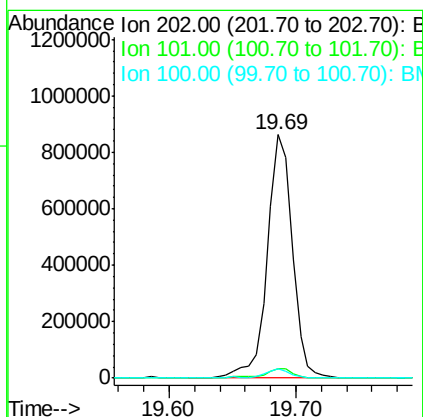
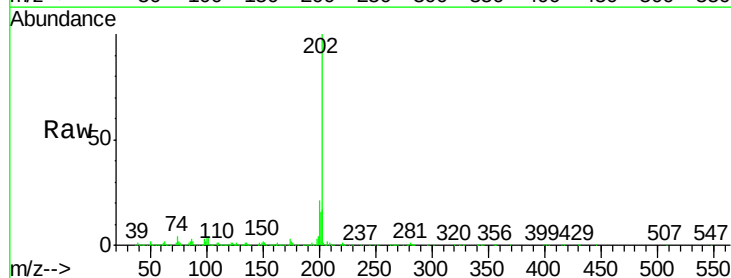
#74
 Fluoranthene
 Concen: 40.31 ng/ul
 RT: 19.32 min Scan# 2760
 Delta R.T. -0.01 min
 Lab File: BM010552.D
 Acq: 13 Jun 2017 01:21

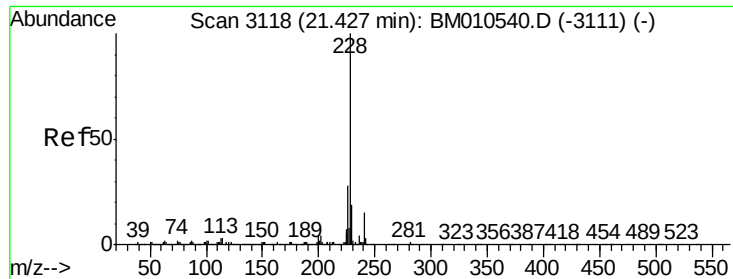
Tgt Ion:202 Resp: 1837249
 Ion Ratio Lower Upper
 202 100
 101 3.9 4.6 7.0#
 100 3.4 3.4 5.2#



#77
 Pyrene
 Concen: 22.32 ng/ul
 RT: 19.69 min Scan# 2822
 Delta R.T. -0.01 min
 Lab File: BM010552.D
 Acq: 13 Jun 2017 01:21

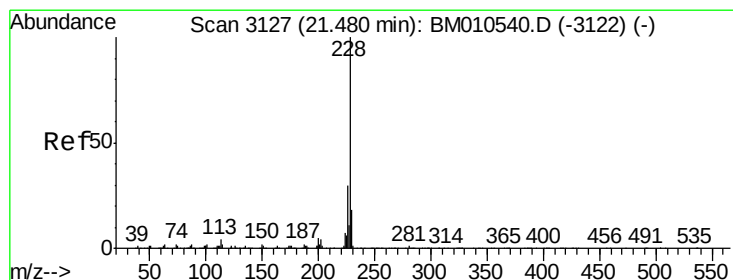
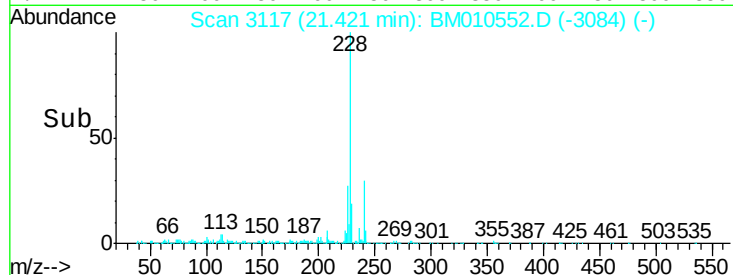
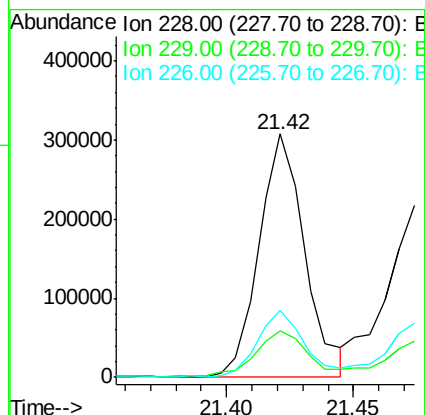
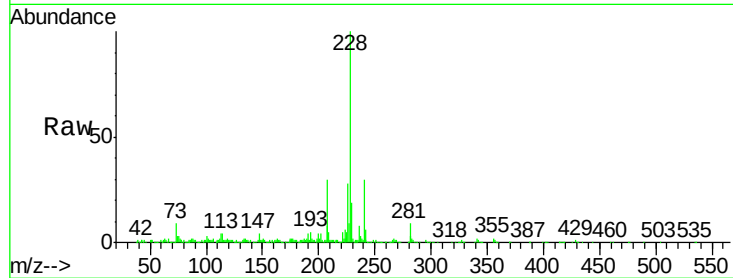
Tgt Ion:202 Resp: 1185534
 Ion Ratio Lower Upper
 202 100
 101 4.0 5.1 7.7#
 100 3.6 4.9 7.3#





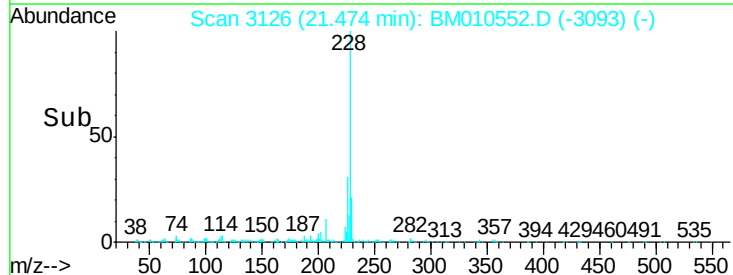
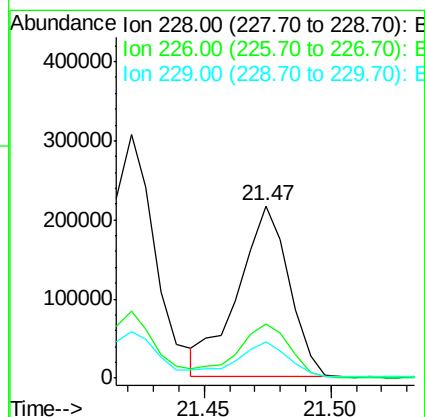
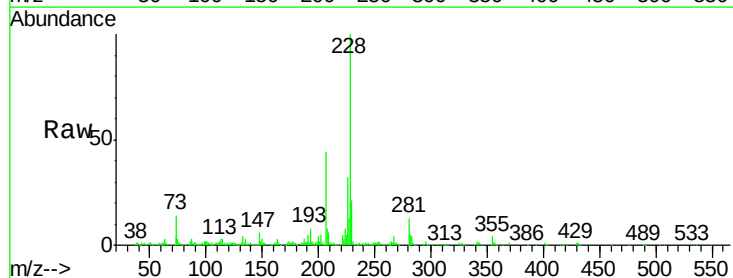
#80
Benzo(a)anthracene
Concen: 6.60 ng/ul
RT: 21.42 min Scan# 3117
Delta R.T. -0.01 min
Lab File: BM010552.D
Acq: 13 Jun 2017 01:21

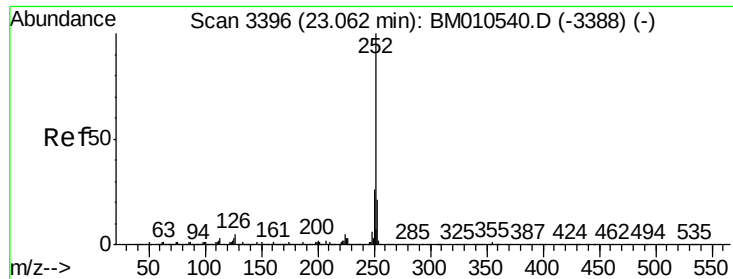
Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.1	15.4	23.0
226	27.6	21.4	32.0



#82
Chrysene
Concen: 5.77 ng/ul
RT: 21.47 min Scan# 3126
Delta R.T. -0.01 min
Lab File: BM010552.D
Acq: 13 Jun 2017 01:21

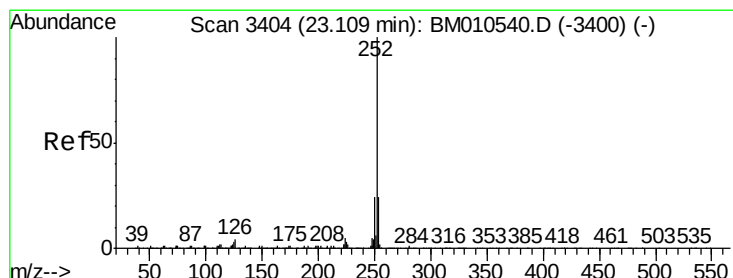
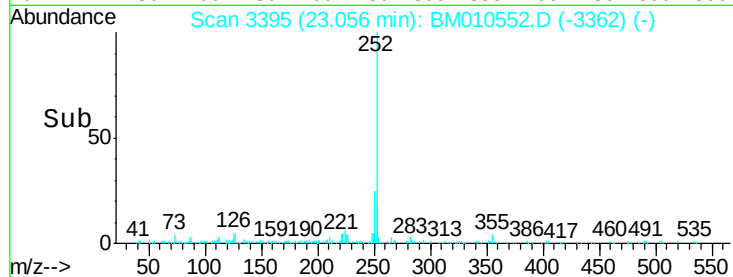
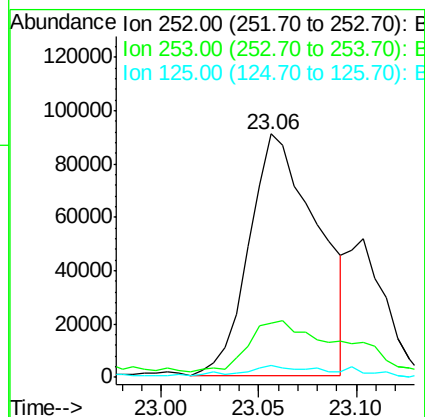
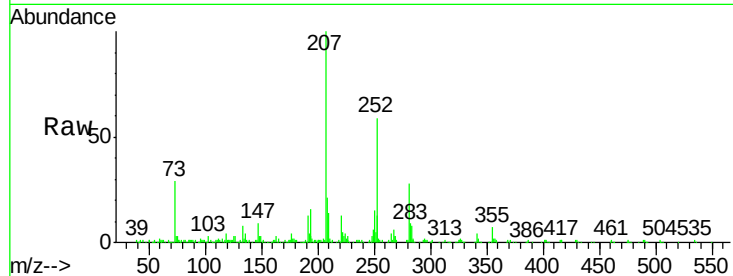
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	23.4	35.2
229	21.0	15.5	23.3





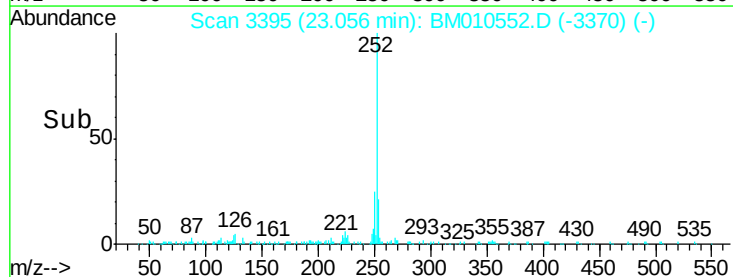
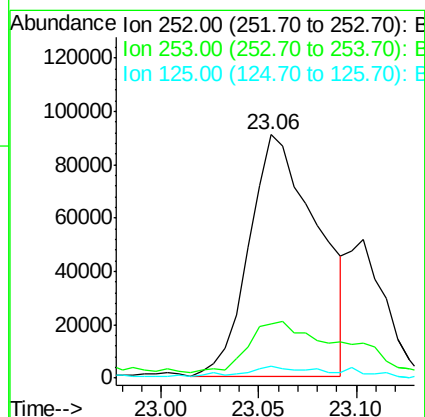
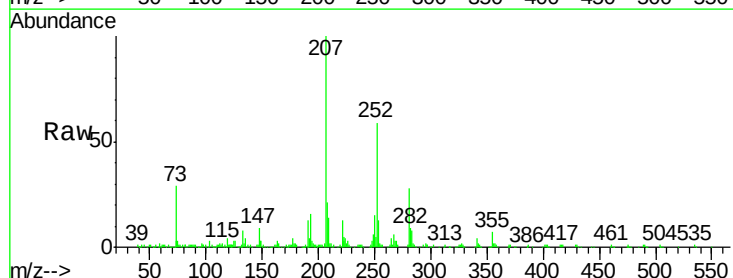
#85
Benzo(b)fluoranthene
Concen: 3.63 ng/ul
RT: 23.06 min Scan# 3395
Delta R.T. -0.01 min
Lab File: BM010552.D
Acq: 13 Jun 2017 01:21

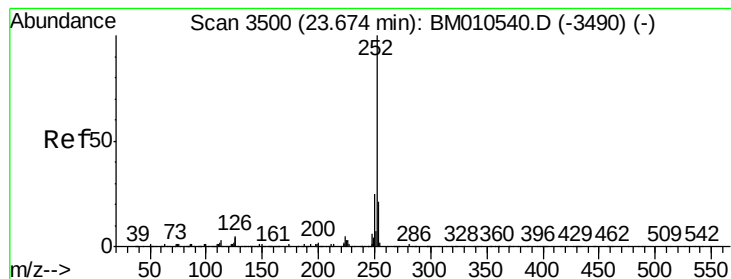
Tgt Ion:	252	Resp:	220515
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.9	26.9
125	5.0	3.6	5.4



#86
Benzo(k)fluoranthene
Concen: 3.80 ng/ul
RT: 23.06 min Scan# 3395
Delta R.T. -0.05 min
Lab File: BM010552.D
Acq: 13 Jun 2017 01:21

Tgt Ion:	252	Resp:	220515
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.1	25.7
125	5.0	3.4	5.2





#88

Benzo(a)pyrene

Concen: 2.01 ng/ul

RT: 23.67 min Scan# 3499

Delta R.T. -0.01 min

Lab File: BM010552.D

Acq: 13 Jun 2017 01:21

Tgt Ion:	252	Resp:	121219
Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.2
125	5.6	4.0	6.0

