

Data File : BM010554.D
Acq On : 13 Jun 2017 02:32
Operator : SJ/MA
Sample : I3522-18DL2 30X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 13 03:36:51 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	110917	20.00	ng/ul	0.00
18) Naphthalene-d8	10.69	136	384156	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	273922	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.27	188	731236	20.00	ng/ul	0.00
75) Chrysene-d12	21.44	240	1099582	20.00	ng/ul	0.00
83) Perylene-d12	23.77	264	1101882	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.38	96	249	0.09	ng/uL	0.02
5) Phenol-d5	7.08	99	4090	0.49	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.23	67	2538	0.54	ng/ul	0.00
9) 2-Chlorophenol-d4	7.43	132	1967	0.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.63	113	2824	0.42	ng/ul	0.02
19) Nitrobenzene-d5	9.07	128	910	0.32	ng/ul	0.00
22) 2-Nitrophenol-d4	9.78	143	457	0.14	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.33	165	2629	0.39	ng/ul	0.02
29) 4-Chloroaniline-d4	10.87	131	3035	0.47	ng/ul	0.01
43) Dimethylphthalate-d6	13.94	166	17524	0.77	ng/ul	0.00
46) Acenaphthylene-d8	14.22	160	16927	0.64	ng/ul	0.00
51) 4-Nitrophenol-d4	14.80	143	173	0.05	ng/ul	0.04
57) Fluorene-d10	15.52	176	18525	0.93	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.65	200	2004	0.39	ng/ul	0.00
70) Anthracene-d10	17.27	188	731236	20.55	ng/ul	-0.11
76) Pyrene-d10	19.66	212	38988	0.86	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.62	264	37965	0.74	ng/ul	0.00

Target Compounds

						Qvalue
34) 2-Methylnaphthalene	12.34	142	65296	4.47	ng/ul	95
40) 1,1'-Biphenyl	13.36	154	34124	1.54	ng/ul#	93
49) Acenaphthene	14.59	153	258705	14.22	ng/ul	97
53) Dibenzofuran	14.92	168	338212	12.57	ng/ul	96
58) Fluorene	15.57	166	360775	16.35	ng/ul	91
69) Phenanthrene	17.32	178	1954504	50.07	ng/ul	97
71) Anthracene	17.32	178	1954504	47.96	ng/ul	98
74) Fluoranthene	19.32	202	1377525	28.70	ng/ul#	95
77) Pyrene	19.69	202	961803	16.97	ng/ul#	94
80) Benzo(a)anthracene	21.42	228	385247	6.21	ng/ul	96
82) Chrysene	21.42	228	385247	6.87	ng/ul	97
85) Benzo(b)fluoranthene	23.06	252	281149	4.38	ng/ul	99
86) Benzo(k)fluoranthene	23.06	252	281149	4.59	ng/ul	97
88) Benzo(a)pyrene	23.66	252	186957	2.94	ng/ul#	94
89) Indeno(1,2,3-cd)pyrene	26.14	276	83733	1.04	ng/ul	97

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

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Sample : I3522-18DL2 30X

Misc :

ALS Vial : 28 Sample Multiplier: 1

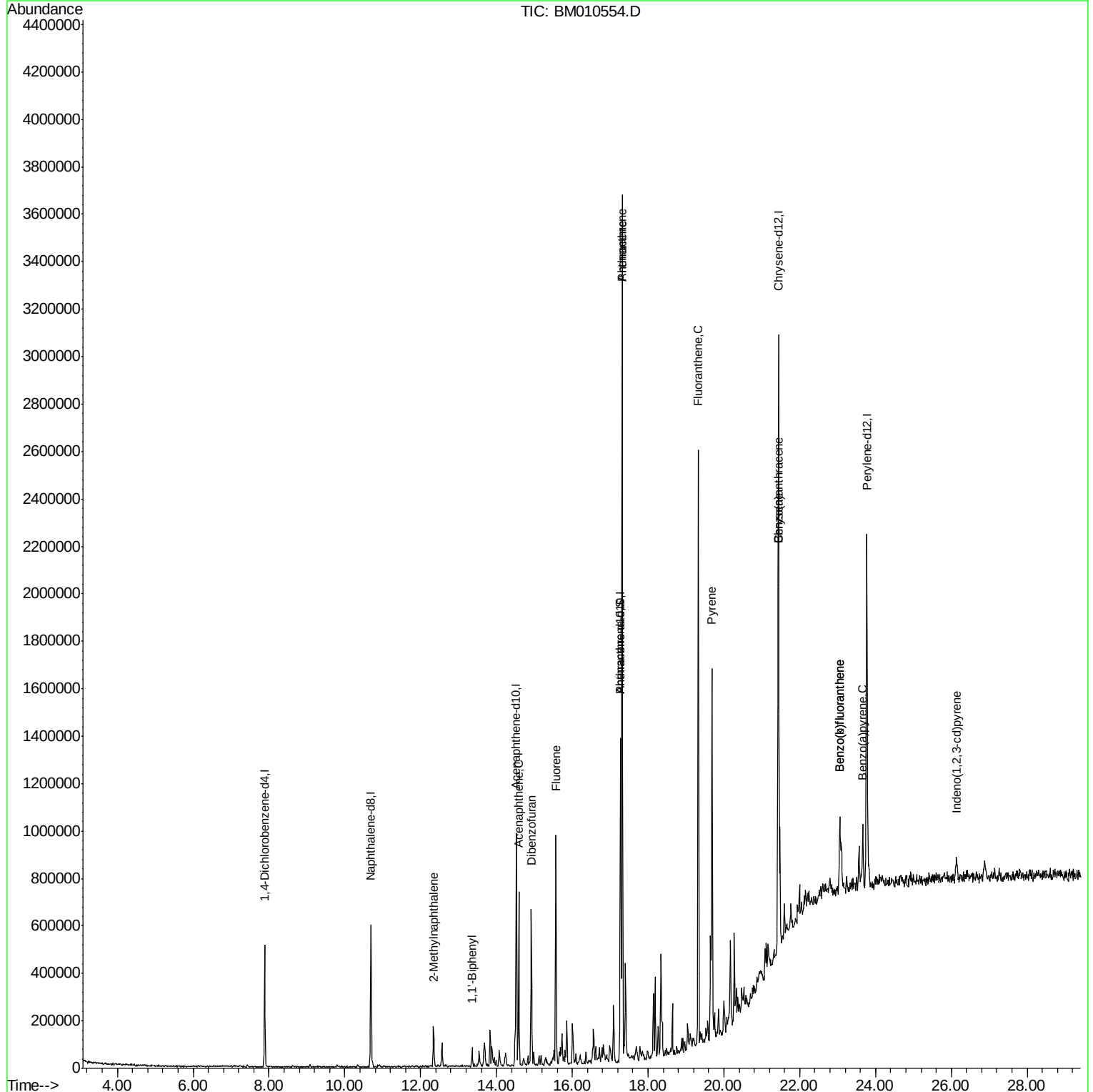
Quant Time: Jun 13 03:36:51 2017

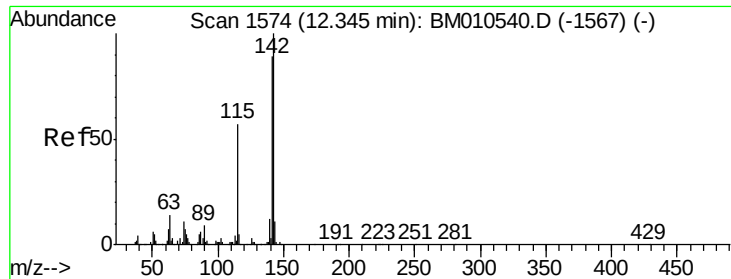
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M

Quant Title : SVOA CALIBRATION

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

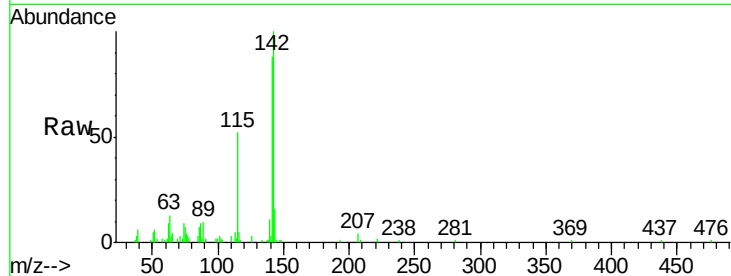
Response via : Initial Calibration



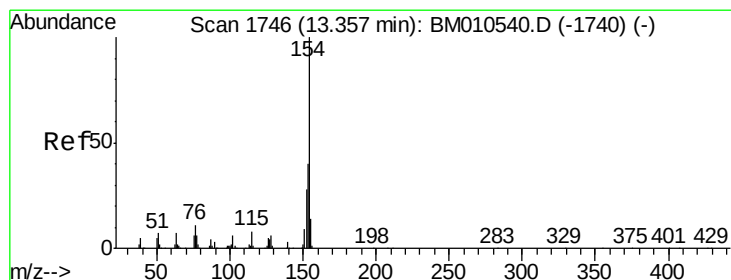
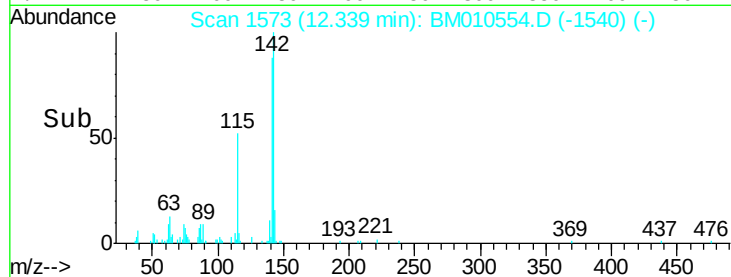
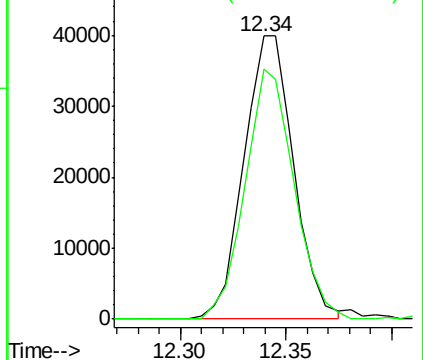


#34
 2-Methylnaphthalene
 Concen: 4.47 ng/ul
 RT: 12.34 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: BM010554.D
 Acq: 13 Jun 2017 02:32

Tgt Ion:142 Resp: 65296
 Ion Ratio Lower Upper
 142 100
 141 88.2 74.1 111.1

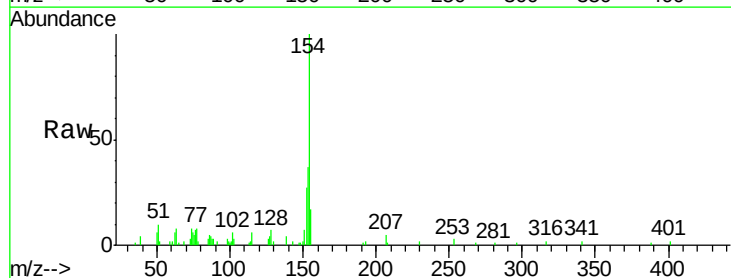


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E

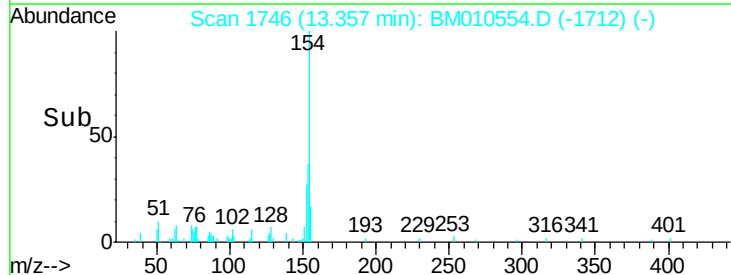
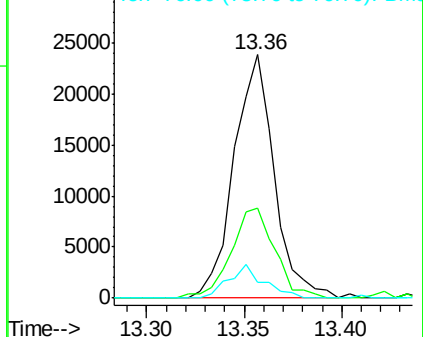


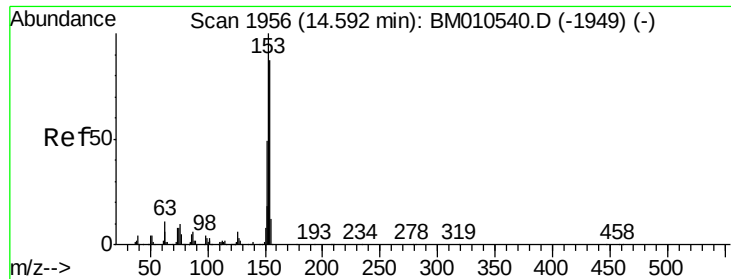
#40
 1,1'-Biphenyl
 Concen: 1.54 ng/ul
 RT: 13.36 min Scan# 1746
 Delta R.T. 0.00 min
 Lab File: BM010554.D
 Acq: 13 Jun 2017 02:32

Tgt Ion:154 Resp: 34124
 Ion Ratio Lower Upper
 154 100
 153 36.7 32.6 48.8
 76 6.6 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





#49

Acenaphthene

Concen: 14.22 ng/ul

RT: 14.59 min Scan# 1955

Delta R.T. -0.01 min

Lab File: BM010554.D

Acq: 13 Jun 2017 02:32

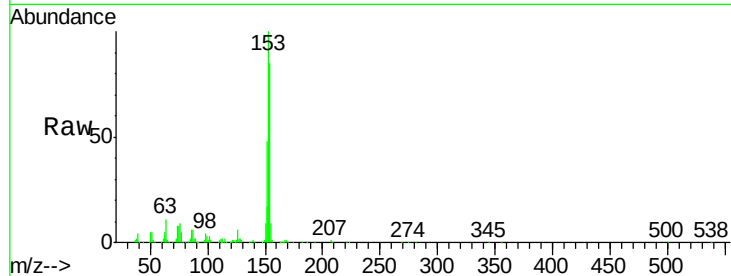
Tgt Ion:153 Resp: 258705

Ion Ratio Lower Upper

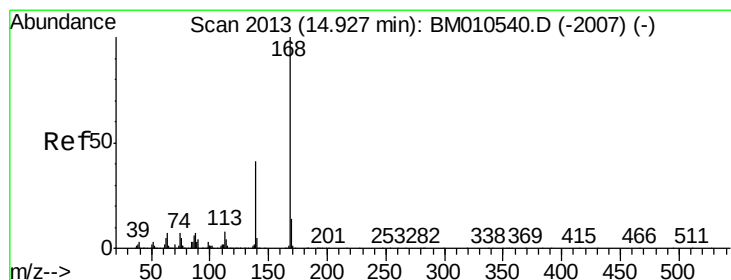
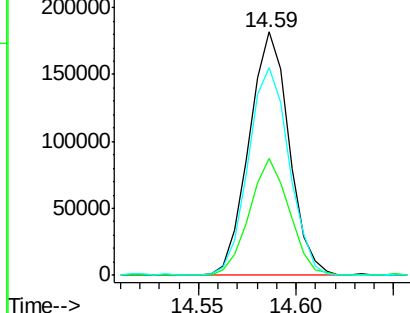
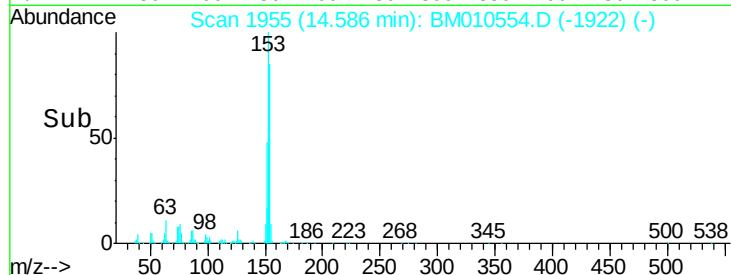
153 100

152 48.2 37.6 56.4

154 85.2 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: 12.57 ng/ul

RT: 14.92 min Scan# 1212

Delta R.T. -0.01 min

Lab File: BM010554.D

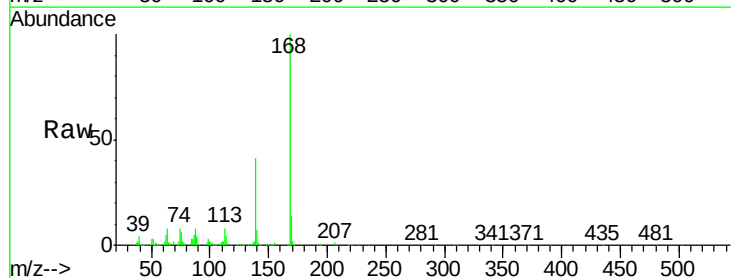
Acq: 13 Jun 2017 02:32

Tgt Ion:168 Resp: 338212

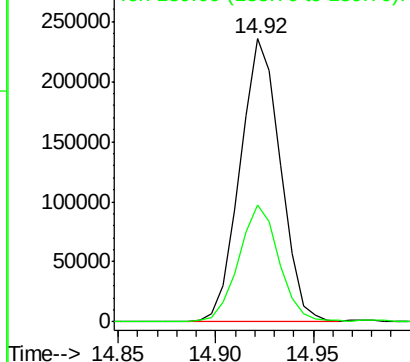
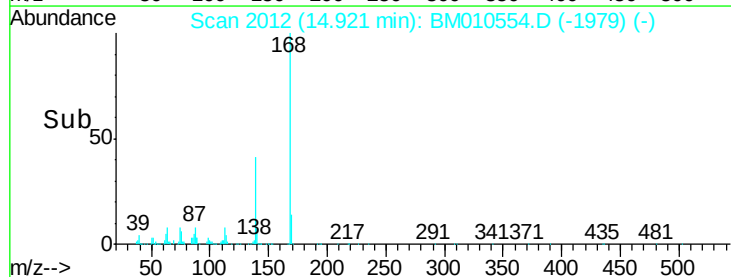
Ion Ratio Lower Upper

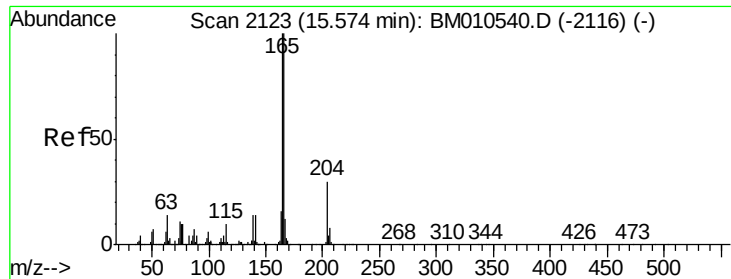
168 100

139 41.2 30.8 46.2



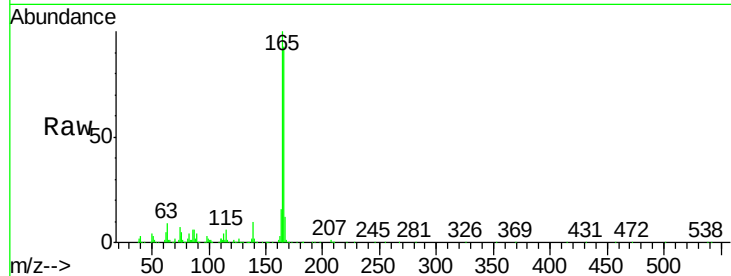
Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E



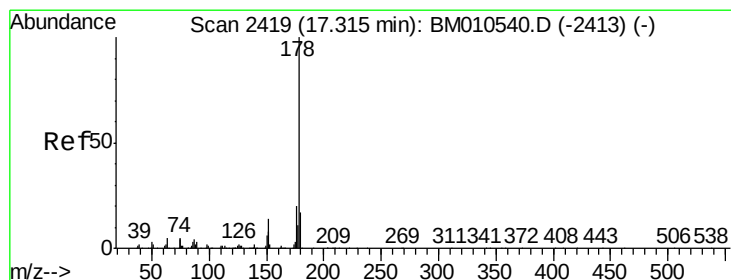
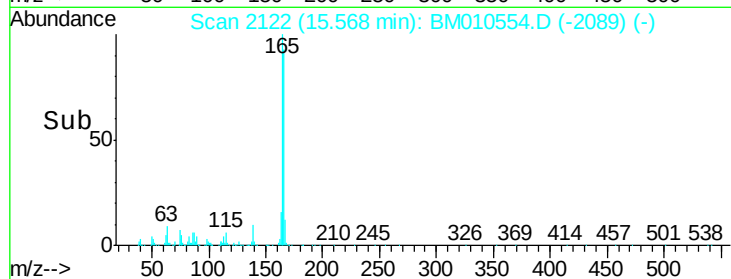
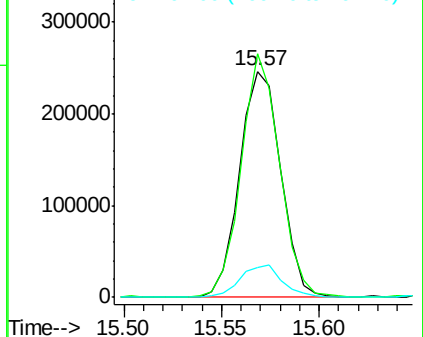


#58
 Fluorene
 Concen: 16.35 ng/ul
 RT: 15.57 min Scan# 2122
 Delta R.T. -0.01 min
 Lab File: BM010554.D
 Acq: 13 Jun 2017 02:32

Tgt Ion	Ratio	Lower	Upper
166	100		
165	107.9	77.9	116.9
167	13.3	10.6	16.0

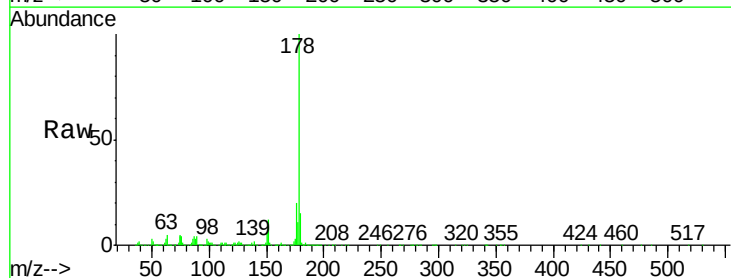


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

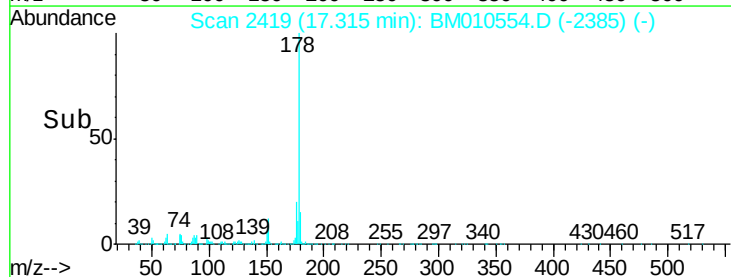
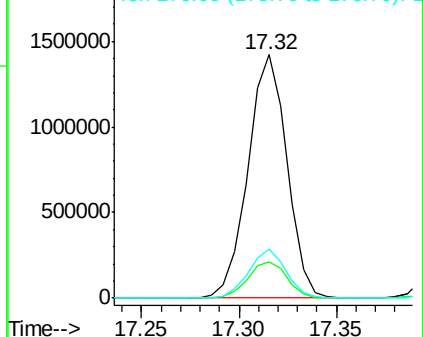


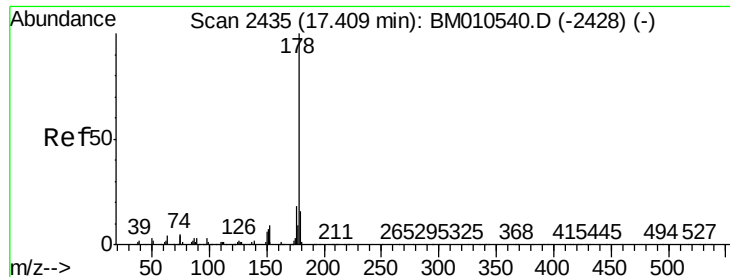
#69
 Phenanthrene
 Concen: 50.07 ng/ul
 RT: 17.32 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: BM010554.D
 Acq: 13 Jun 2017 02:32

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.8	12.6	19.0
176	20.0	14.9	22.3



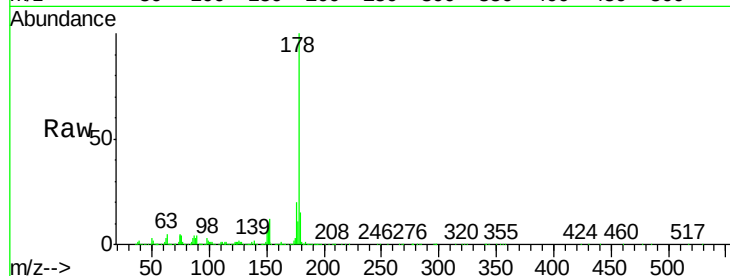
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E



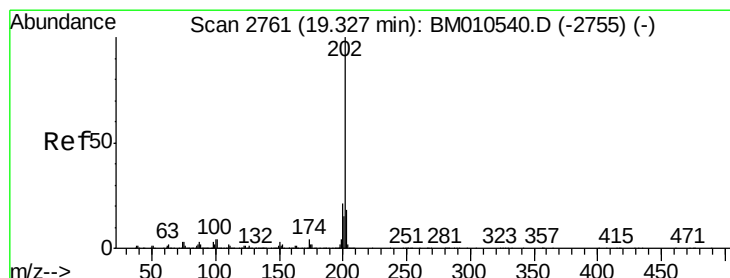
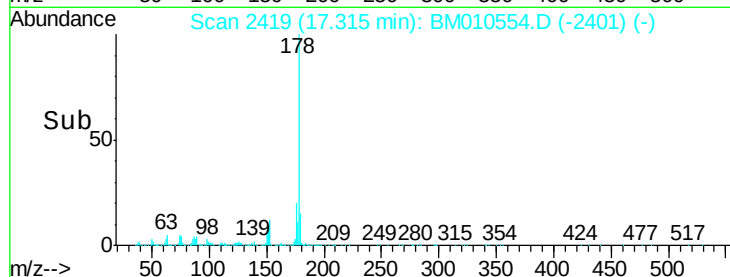
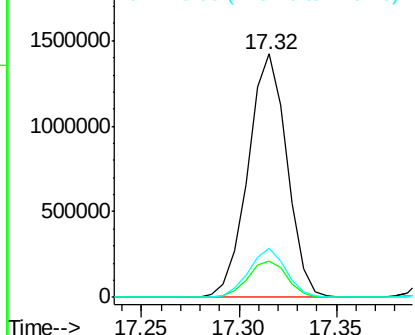


#71
 Anthracene
 Concen: 47.96 ng/ul
 RT: 17.32 min Scan# 2419
 Delta R.T. -0.09 min
 Lab File: BM010554.D
 Acq: 13 Jun 2017 02:32

Tgt Ion:178 Resp: 1954504
 Ion Ratio Lower Upper
 178 100
 179 14.8 11.7 17.5
 176 20.0 14.6 21.8

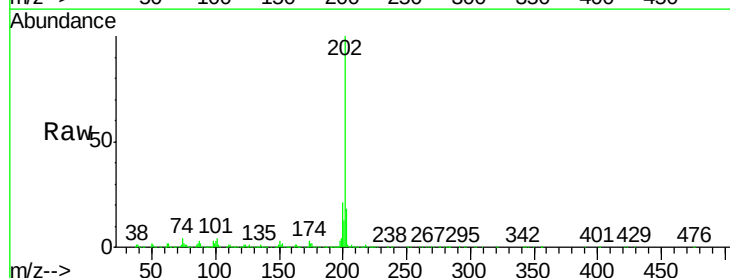


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

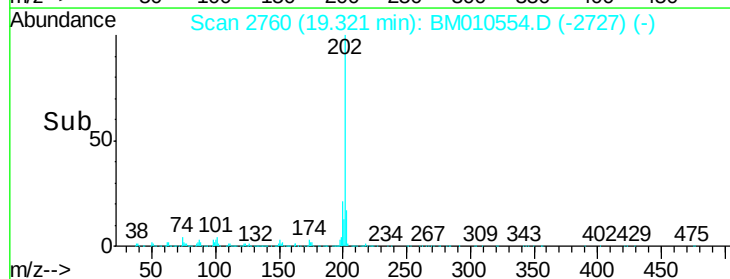
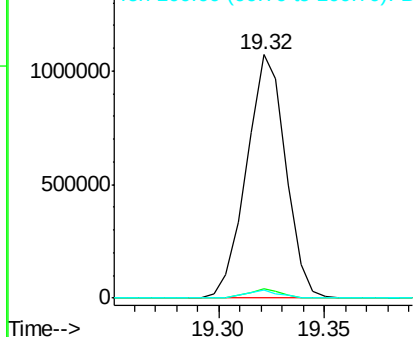


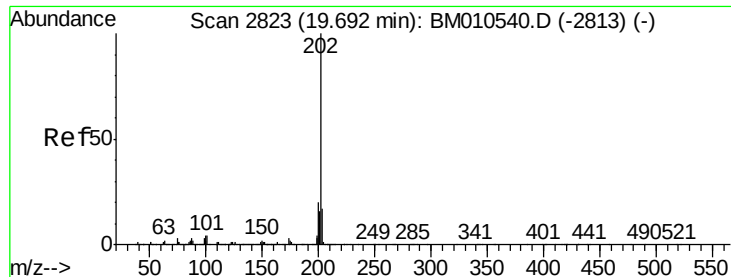
#74
 Fluoranthene
 Concen: 28.70 ng/ul
 RT: 19.32 min Scan# 2760
 Delta R.T. -0.01 min
 Lab File: BM010554.D
 Acq: 13 Jun 2017 02:32

Tgt Ion:202 Resp: 1377525
 Ion Ratio Lower Upper
 202 100
 101 3.9 4.6 7.0#
 100 3.3 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): E





#77

Pyrene

Concen: 16.97 ng/ul

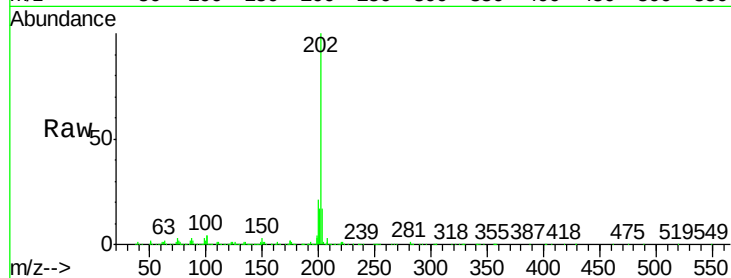
RT: 19.69 min Scan# 2822

Delta R.T. -0.01 min

Lab File: BM010554.D

Acq: 13 Jun 2017 02:32

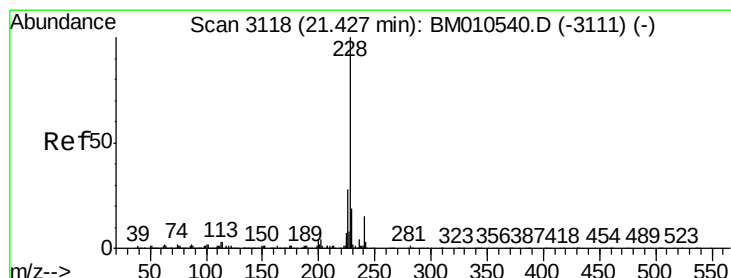
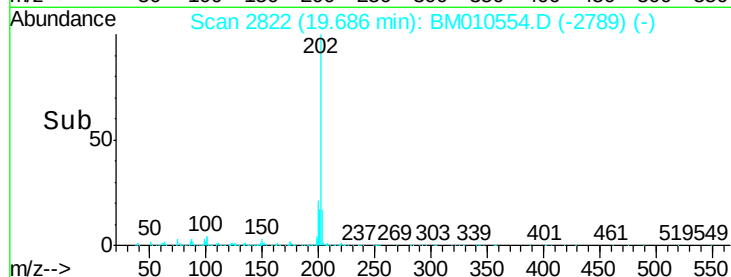
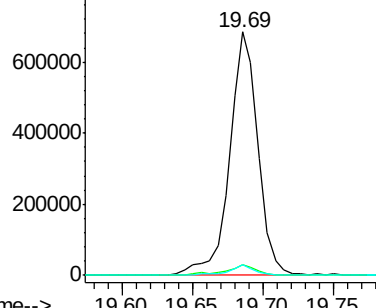
Tgt Ion:	202	Resp:	961803
Ion Ratio	Lower	Upper	
202	100		
101	4.1	5.1	7.7#
100	4.4	4.9	7.3#



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: 6.21 ng/ul

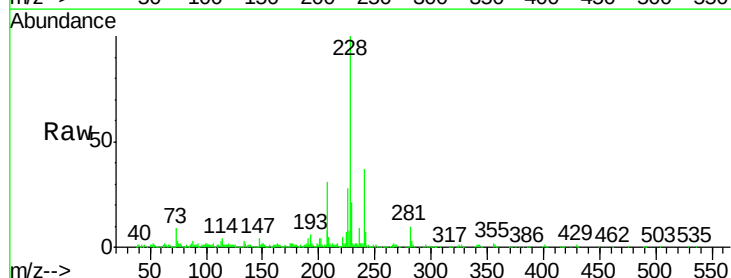
RT: 21.42 min Scan# 3117

Delta R.T. -0.01 min

Lab File: BM010554.D

Acq: 13 Jun 2017 02:32

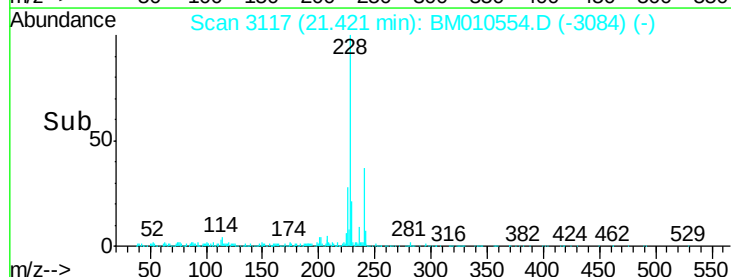
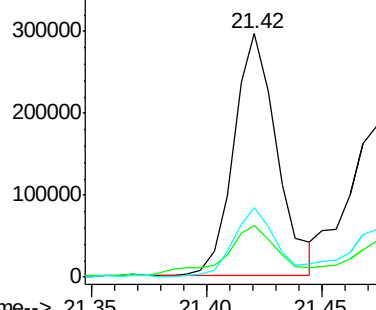
Tgt Ion:	228	Resp:	385247
Ion Ratio	Lower	Upper	
228	100		
229	21.4	15.4	23.0
226	28.5	21.4	32.0

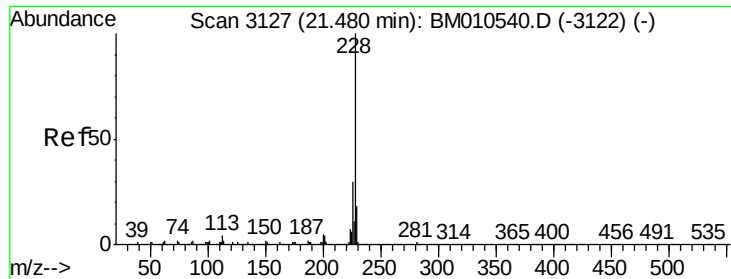


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 6.87 ng/ul

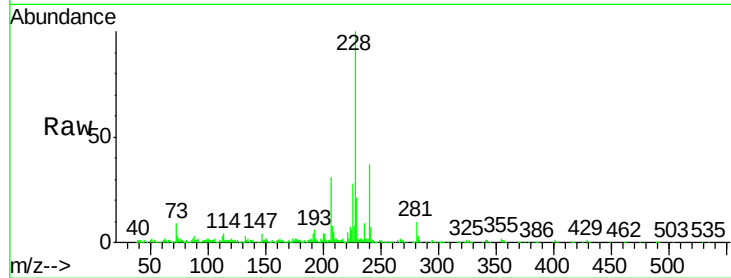
RT: 21.42 min Scan# 3117

Delta R.T. -0.06 min

Lab File: BM010554.D

Acq: 13 Jun 2017 02:32

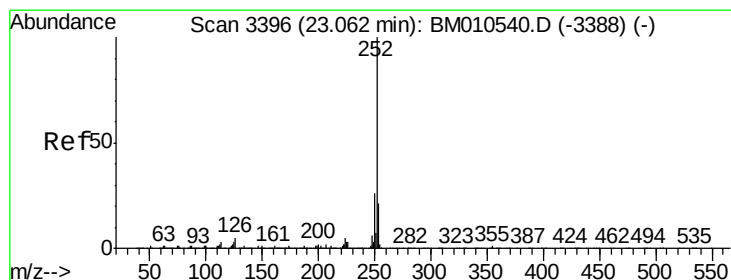
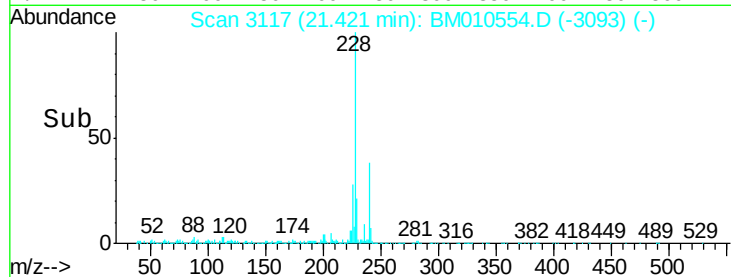
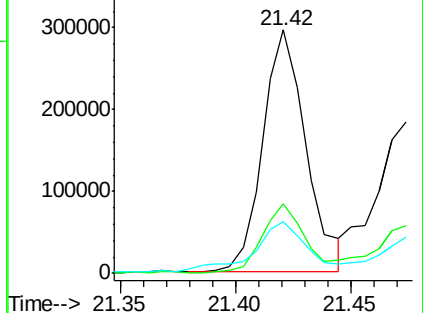
Tgt Ion:	228	Resp:	385247
Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.4	35.2
229	21.4	15.5	23.3



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 4.38 ng/ul

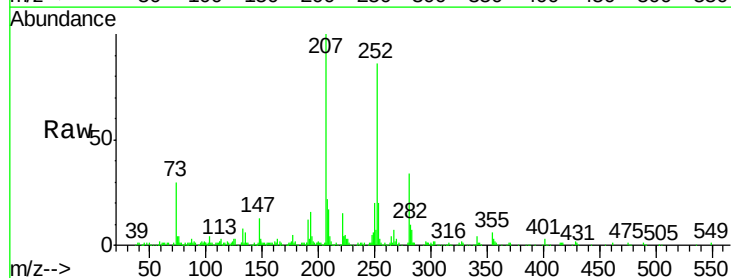
RT: 23.06 min Scan# 3395

Delta R.T. -0.01 min

Lab File: BM010554.D

Acq: 13 Jun 2017 02:32

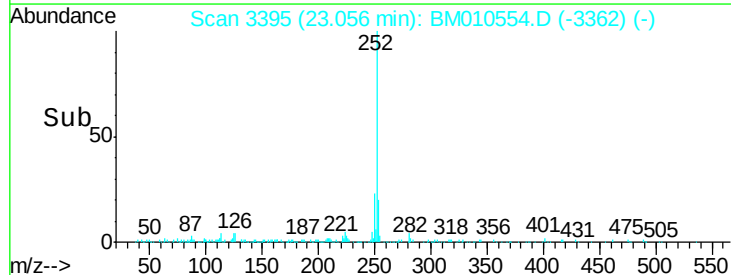
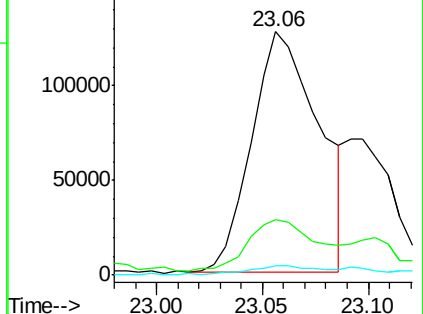
Tgt Ion:	252	Resp:	281149
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	3.9	3.6	5.4

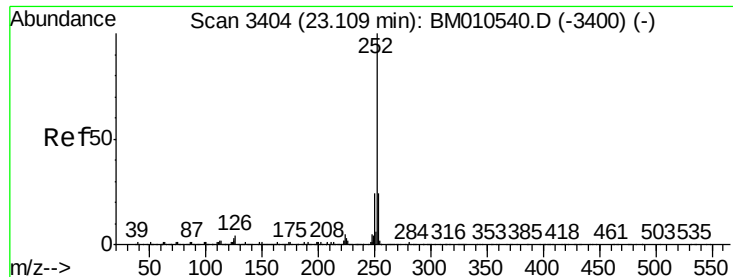


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

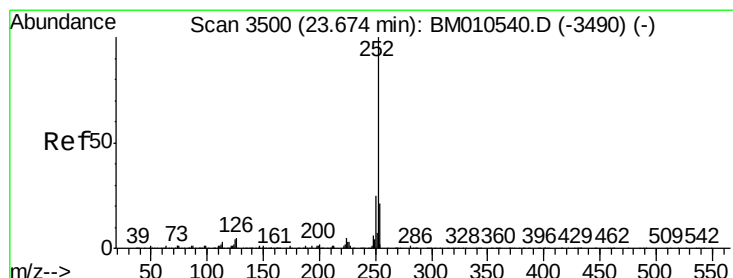
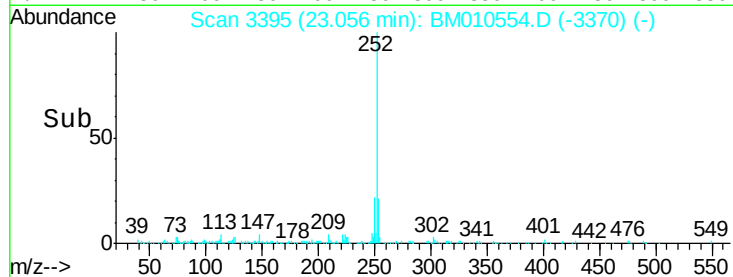
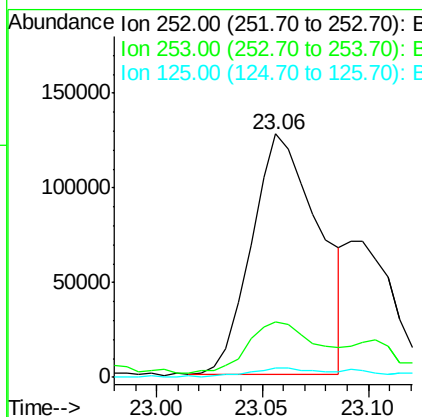
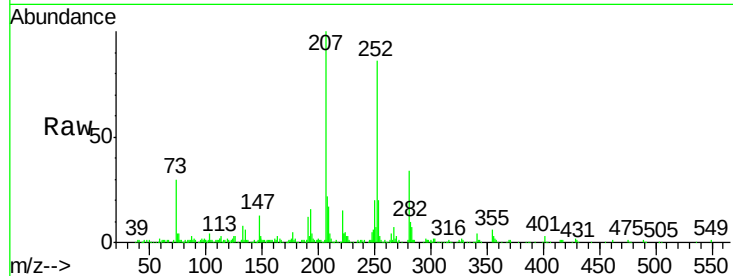
Ion 125.00 (124.70 to 125.70): E





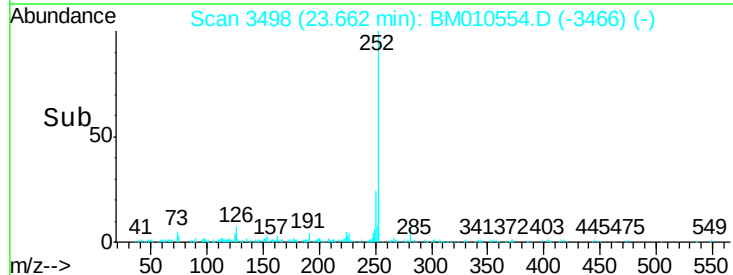
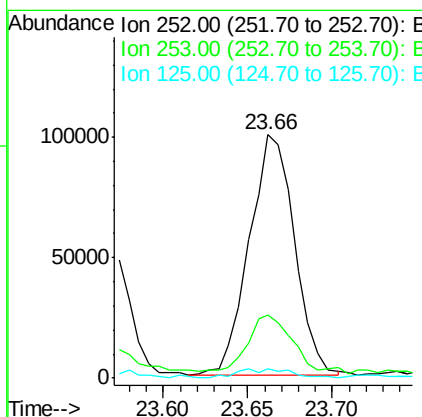
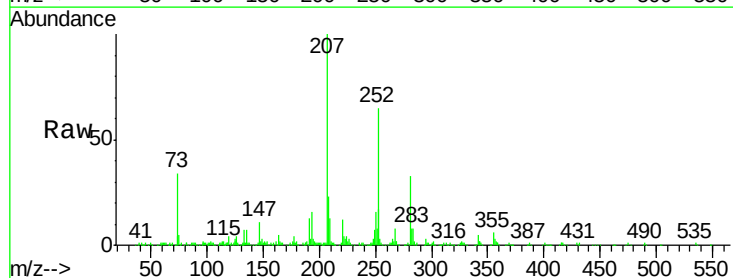
#86
Benzo(k)fluoranthene
Concen: 4.59 ng/ul
RT: 23.06 min Scan# 3395
Delta R.T. -0.05 min
Lab File: BM010554.D
Acq: 13 Jun 2017 02:32

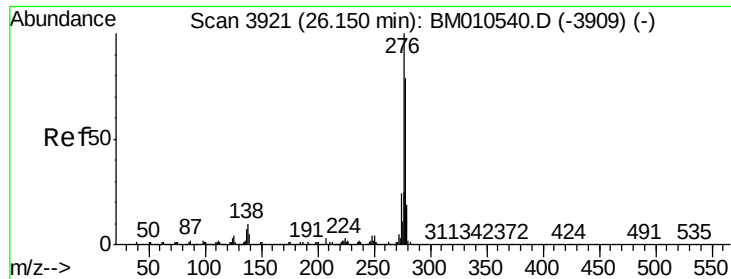
Tgt Ion:	252	Resp:	281149
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.1	25.7
125	3.9	3.4	5.2



#88
Benzo(a)pyrene
Concen: 2.94 ng/ul
RT: 23.66 min Scan# 3498
Delta R.T. -0.01 min
Lab File: BM010554.D
Acq: 13 Jun 2017 02:32

Tgt Ion:	252	Resp:	186957
Ion Ratio	Lower	Upper	
252	100		
253	26.2	18.2	27.2
125	3.9	4.0	6.0

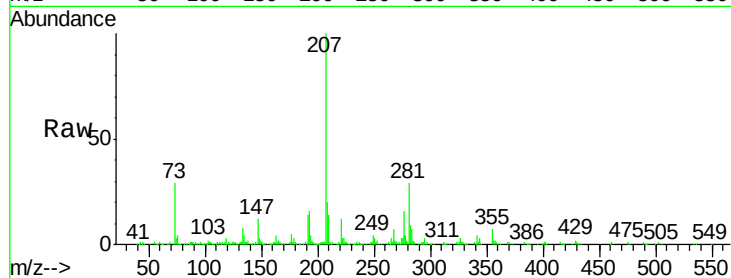




#89

Indeno(1,2,3-cd)pyrene
 Concen: 1.04 ng/ul
 RT: 26.14 min Scan# 3919
 Delta R.T. -0.01 min
 Lab File: BM010554.D
 Acq: 13 Jun 2017 02:32

Tgt Ion	Ratio	Lower	Upper
276	100		
138	11.3	9.3	13.9
277	27.0	19.9	29.9



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

