

Data File : BM010556.D
Acq On : 13 Jun 2017 03:44
Operator : SJ/MA
Sample : I3558-09DL2 30X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 13 05:24:46 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	99970	20.00	ng/ul	0.00
18) Naphthalene-d8	10.69	136	349909	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	259919	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.27	188	712735	20.00	ng/ul	0.00
75) Chrysene-d12	21.44	240	1018379	20.00	ng/ul	0.00
83) Perylene-d12	23.77	264	1035114	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.42	96	164	0.07	ng/uL	0.06
5) Phenol-d5	7.07	99	4110	0.54	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.23	67	3168	0.74	ng/ul	0.00
9) 2-Chlorophenol-d4	7.43	132	2901	0.48	ng/ul	0.00
13) 4-Methylphenol-d8	8.61	113	1336	0.22	ng/ul	0.00
19) Nitrobenzene-d5	9.07	128	960	0.37	ng/ul	0.00
22) 2-Nitrophenol-d4	9.80	143	1789	0.60	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.33	165	1582	0.26	ng/ul	0.01
29) 4-Chloroaniline-d4	10.84	131	434	0.07	ng/ul	-0.02
43) Dimethylphthalate-d6	13.94	166	17288	0.80	ng/ul	0.00
46) Acenaphthylene-d8	14.22	160	18449	0.73	ng/ul	0.00
51) 4-Nitrophenol-d4	14.80	143	245	0.08	ng/ul	0.03
57) Fluorene-d10	15.52	176	18817	0.99	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.64	200	1866	0.37	ng/ul	0.00
70) Anthracene-d10	17.36	188	29813	0.86	ng/ul	-0.01
76) Pyrene-d10	19.66	212	33910	0.81	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.62	264	35530	0.74	ng/ul	0.00

Target Compounds				Qvalue		
28) Naphthalene	10.74	128	672038	38.29	ng/ul	98
30) 4-Chloroaniline	10.73	127	90212	15.88	ng/ul#	24
34) 2-Methylnaphthalene	12.34	142	222698	16.74	ng/ul	96
40) 1,1'-Biphenyl	13.36	154	71481	3.39	ng/ul	99
49) Acenaphthene	14.59	153	263721	15.27	ng/ul	95
53) Dibenzofuran	14.92	168	317076	12.42	ng/ul	95
58) Fluorene	15.57	166	320230	15.29	ng/ul#	93
69) Phenanthrene	17.32	178	1803765	47.41	ng/ul	98
71) Anthracene	17.40	178	306092	7.71	ng/ul	98
72) Carbazole	17.69	167	75672	2.25	ng/ul	99
74) Fluoranthene	19.32	202	1191414	25.46	ng/ul#	95
77) Pyrene	19.69	202	820212	15.63	ng/ul#	93
80) Benzo(a)anthracene	21.42	228	320670	5.58	ng/ul	95
82) Chrysene	21.47	228	259095	4.99	ng/ul	96
85) Benzo(b)fluoranthene	23.06	252	227913	3.78	ng/ul#	99
86) Benzo(k)fluoranthene	23.10	252	91402	1.59	ng/ul#	97
88) Benzo(a)pyrene	23.67	252	158258	2.65	ng/ul	97

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

Data File : BM010556.D

Acq On : 13 Jun 2017 03:44

Operator : SJ/MA

Sample : I3558-09DL2 30X

Misc :

ALS Vial : 30 Sample Multiplier: 1

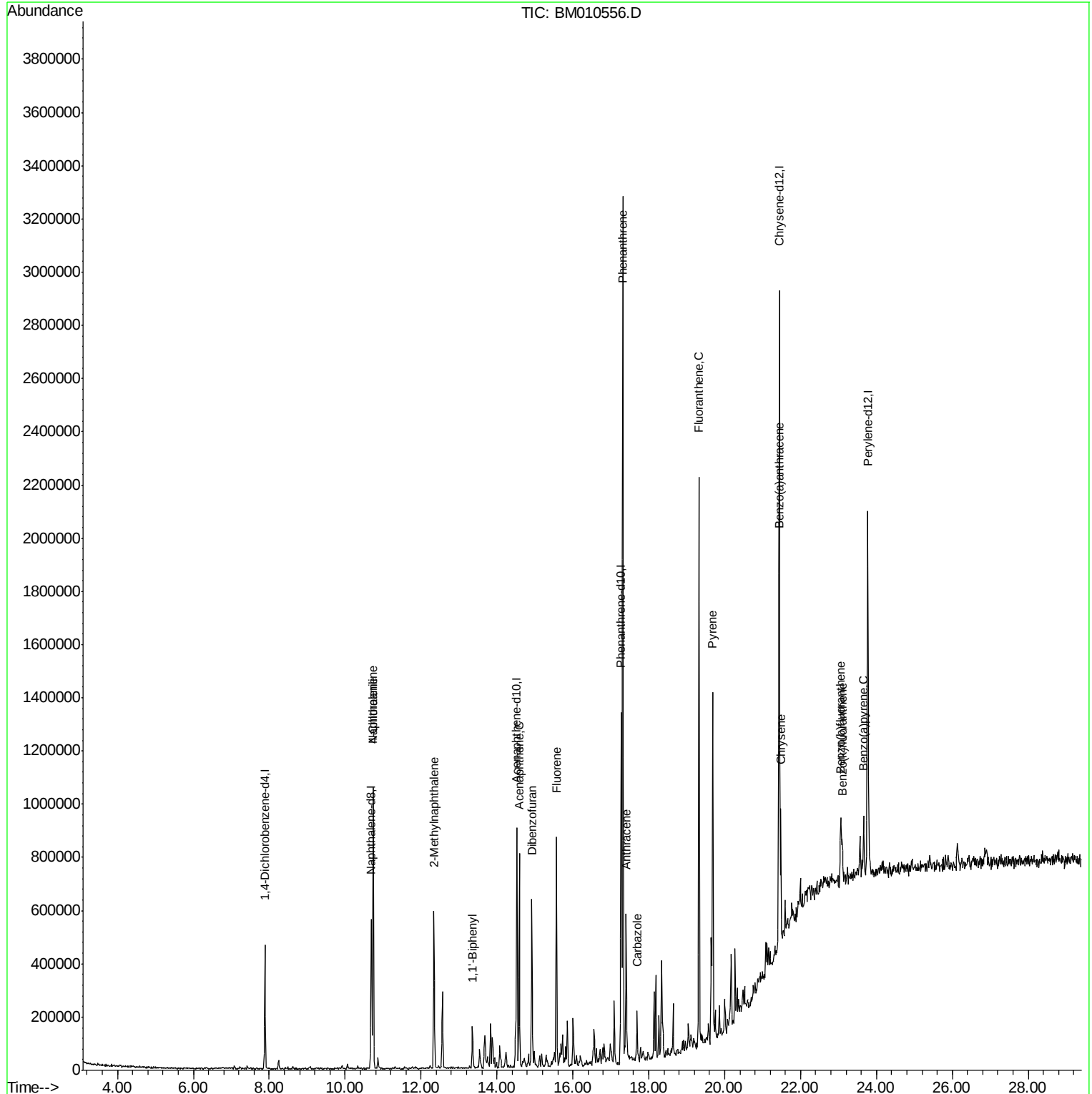
Quant Time: Jun 13 05:24:46 2017

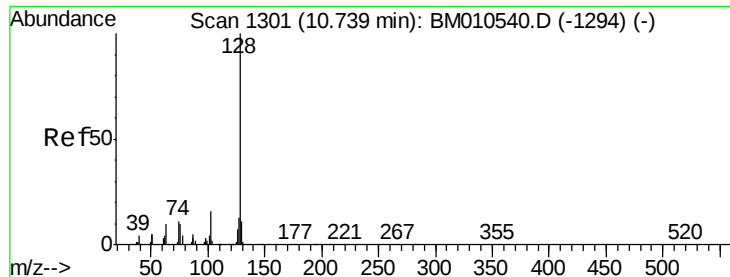
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M

Quant Title : SVOA CALIBRATION

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

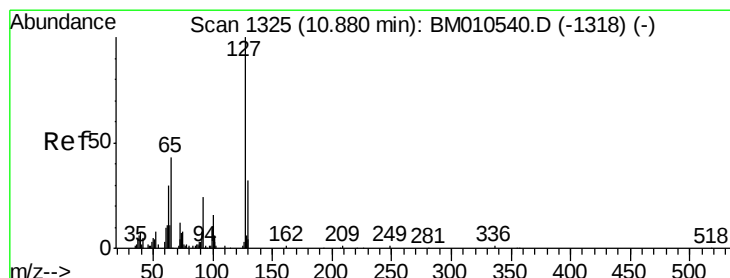
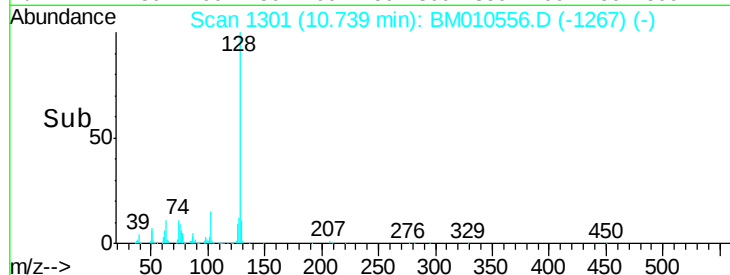
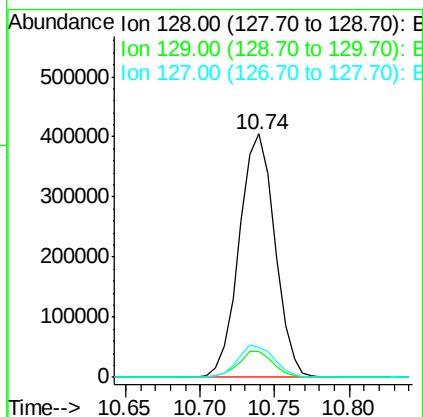
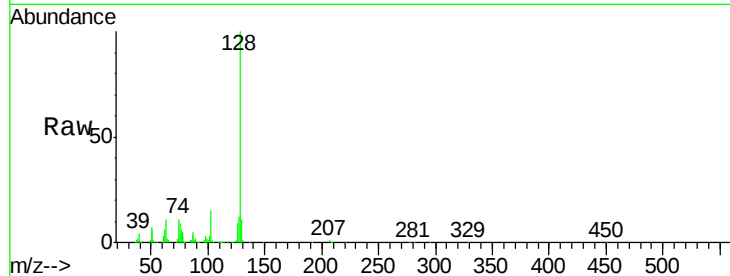
Response via : Initial Calibration





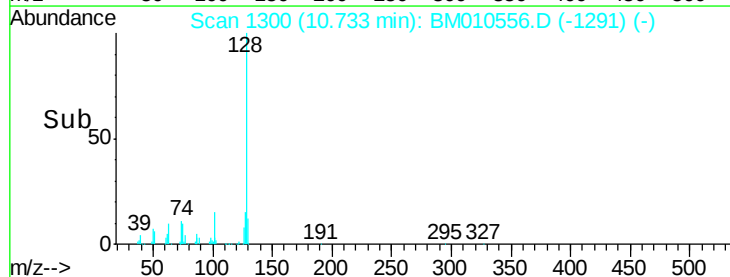
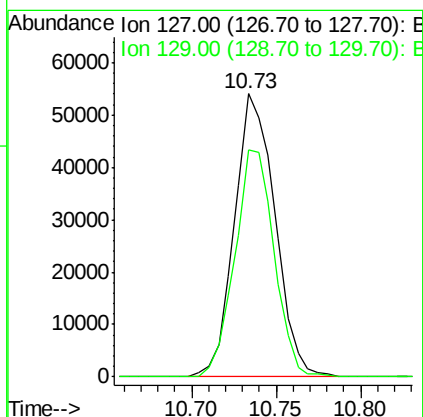
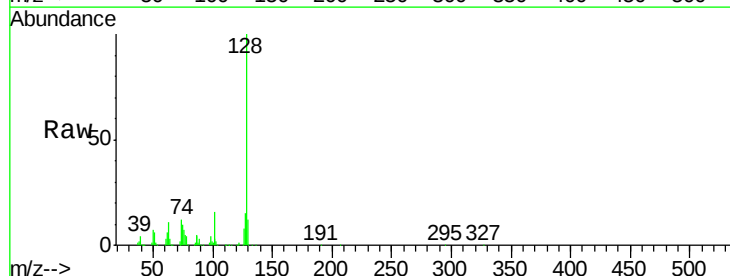
#28
Naphthalene
Concen: 38.29 ng/ul
RT: 10.74 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BM010556.D
Acq: 13 Jun 2017 03:44

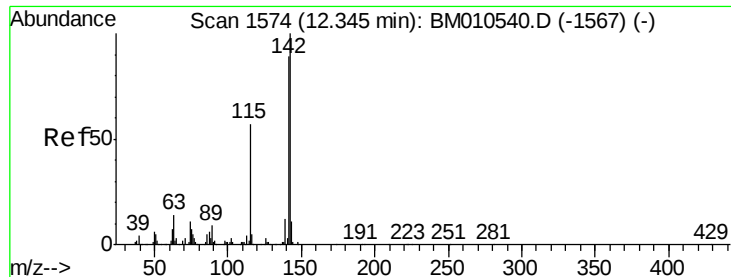
Tgt Ion:128 Resp: 672038
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 12.2 10.6 16.0



#30
4-Chloroaniline
Concen: 15.88 ng/ul
RT: 10.73 min Scan# 1300
Delta R.T. -0.15 min
Lab File: BM010556.D
Acq: 13 Jun 2017 03:44

Tgt Ion:127 Resp: 90212
Ion Ratio Lower Upper
127 100
129 80.1 28.4 42.6#





#34

2-Methylnaphthalene

Concen: 16.74 ng/ul

RT: 12.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BM010556.D

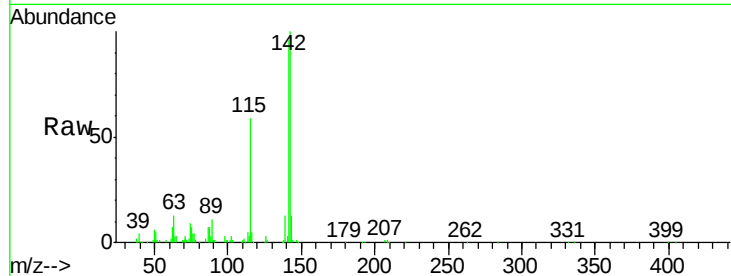
Acq: 13 Jun 2017 03:44

Tgt Ion:142 Resp: 222698

Ion Ratio Lower Upper

142 100

141 96.0 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.34

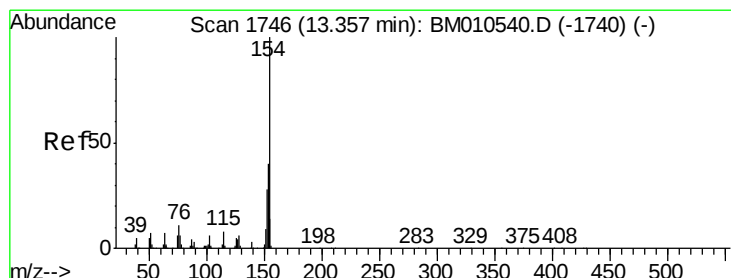
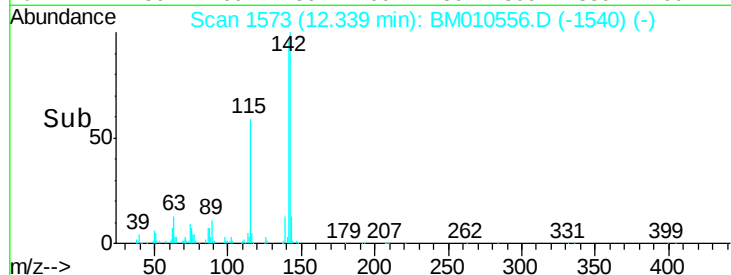
150000

100000

50000

0

Time--> 12.25 12.30 12.35 12.40



#40

1,1'-Biphenyl

Concen: 3.39 ng/ul

RT: 13.36 min Scan# 1746

Delta R.T. 0.00 min

Lab File: BM010556.D

Acq: 13 Jun 2017 03:44

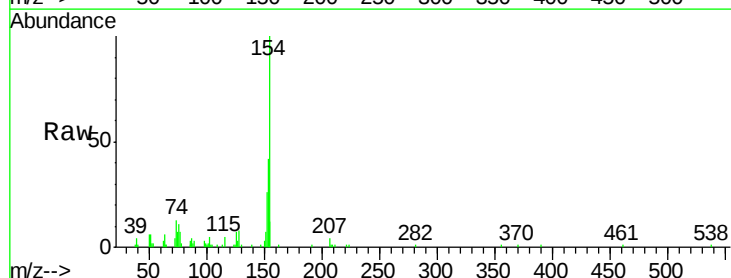
Tgt Ion:154 Resp: 71481

Ion Ratio Lower Upper

154 100

153 41.5 32.6 48.8

76 11.1 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

60000

50000

40000

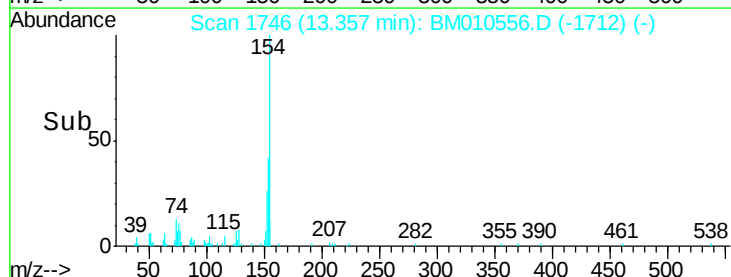
30000

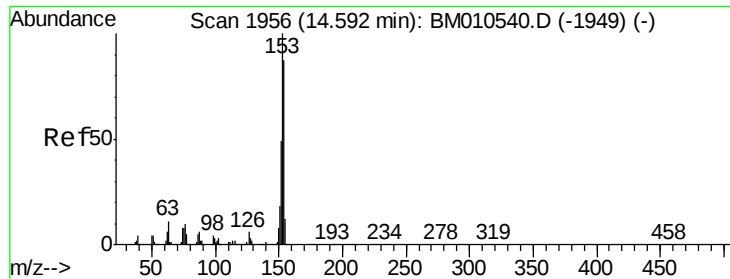
20000

10000

0

Time--> 13.30 13.35 13.40





#49

Acenaphthene

Concen: 15.27 ng/ul

RT: 14.59 min Scan# 1955

Delta R.T. -0.01 min

Lab File: BM010556.D

Acq: 13 Jun 2017 03:44

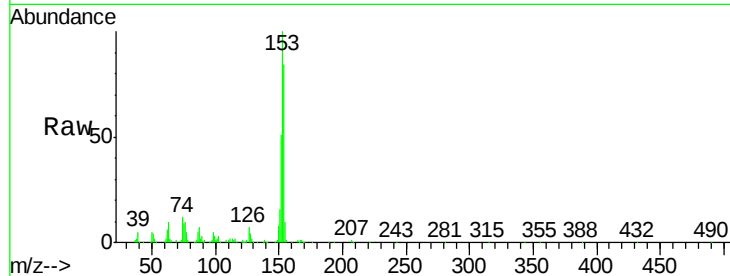
Tgt Ion:153 Resp: 263721

Ion Ratio Lower Upper

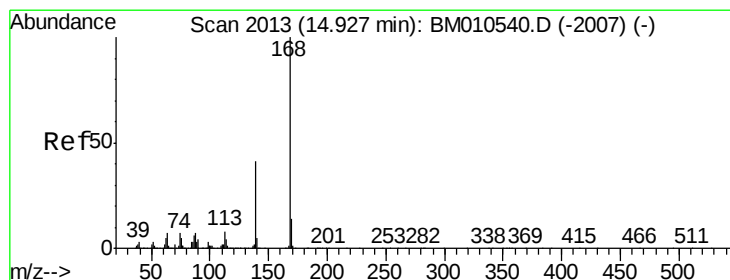
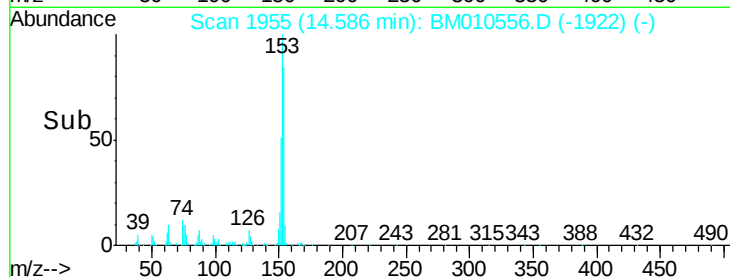
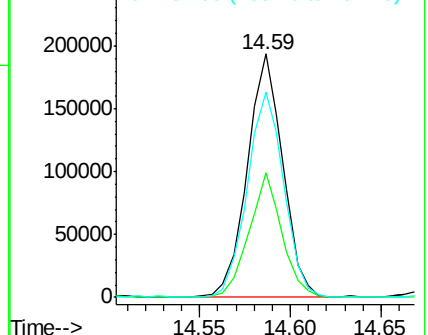
153 100

152 51.3 37.6 56.4

154 84.0 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: 12.42 ng/ul

RT: 14.92 min Scan# 1212

Delta R.T. -0.01 min

Lab File: BM010556.D

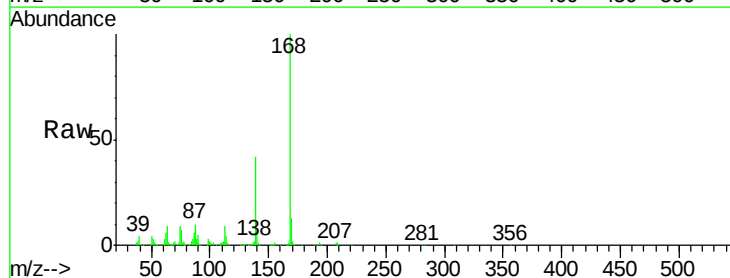
Acq: 13 Jun 2017 03:44

Tgt Ion:168 Resp: 317076

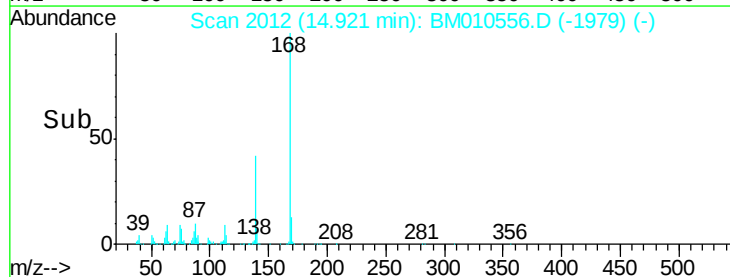
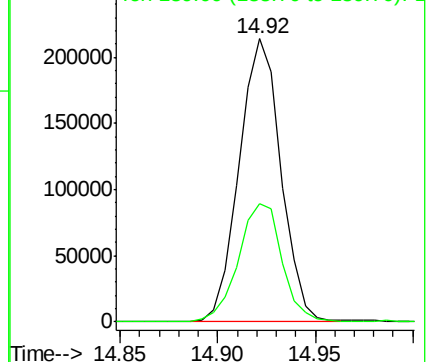
Ion Ratio Lower Upper

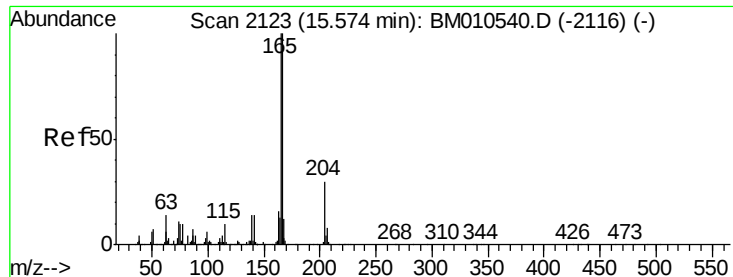
168 100

139 41.7 30.8 46.2



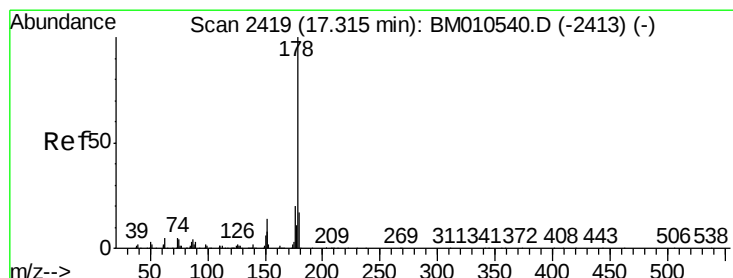
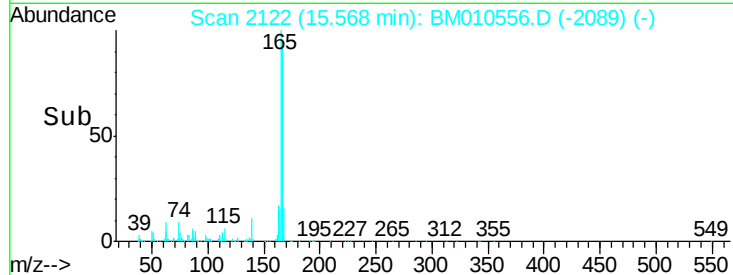
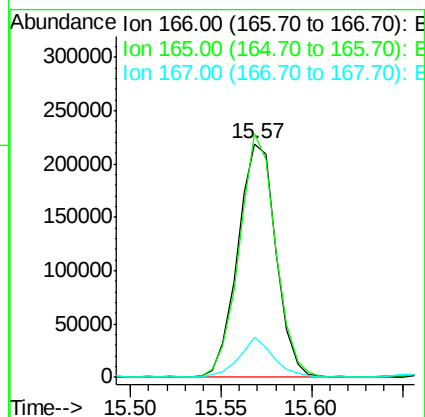
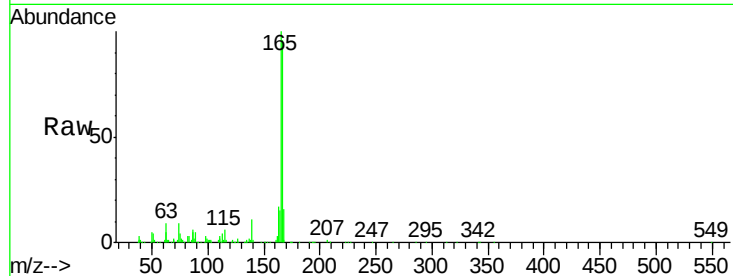
Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





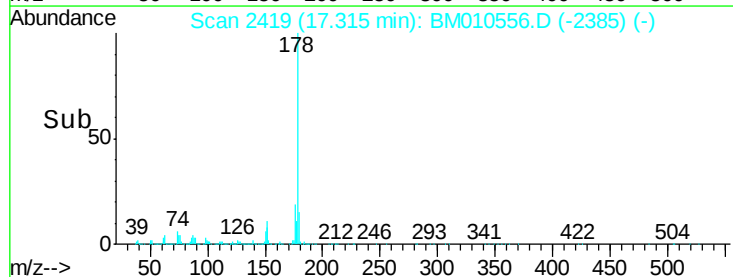
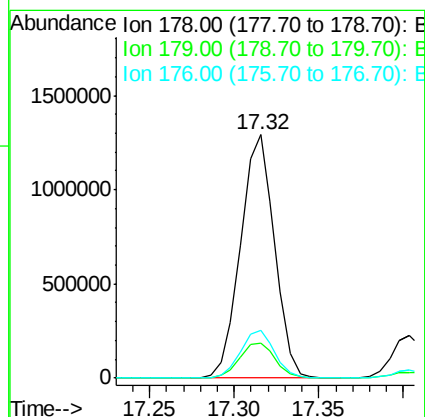
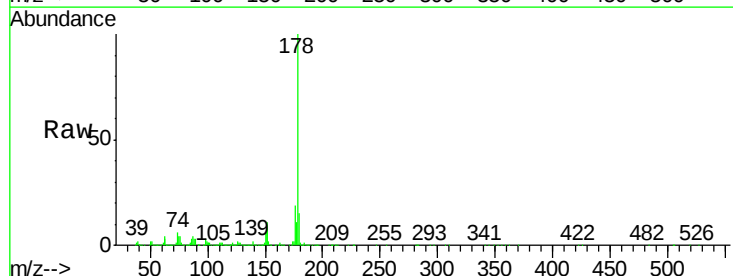
#58
Fluorene
 Concen: 15.29 ng/ul
 RT: 15.57 min Scan# 2122
 Delta R.T. -0.01 min
 Lab File: BM010556.D
 Acq: 13 Jun 2017 03:44

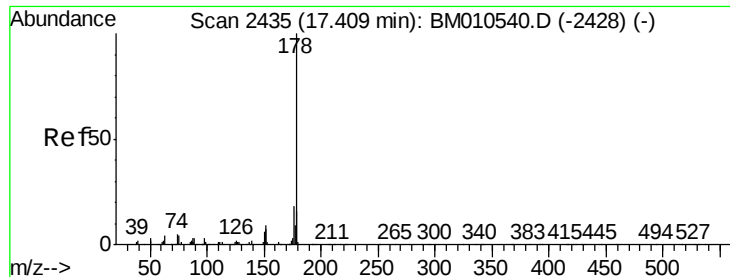
Tgt Ion	Ratio	Lower	Upper
166	100		
165	104.1	77.9	116.9
167	16.9	10.6	16.0



#69
Phenanthrene
 Concen: 47.41 ng/ul
 RT: 17.32 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: BM010556.D
 Acq: 13 Jun 2017 03:44

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.5	12.6	19.0
176	19.5	14.9	22.3





#71

Anthracene

Concen: 7.71 ng/ul

RT: 17.40 min Scan# 2434

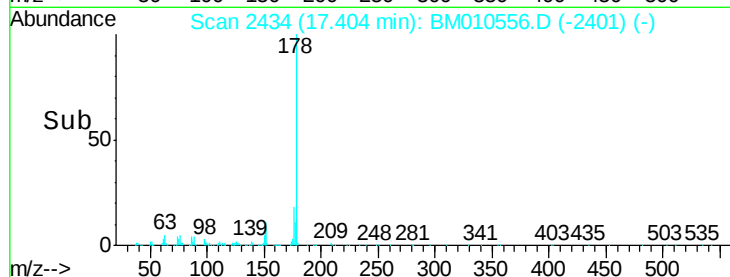
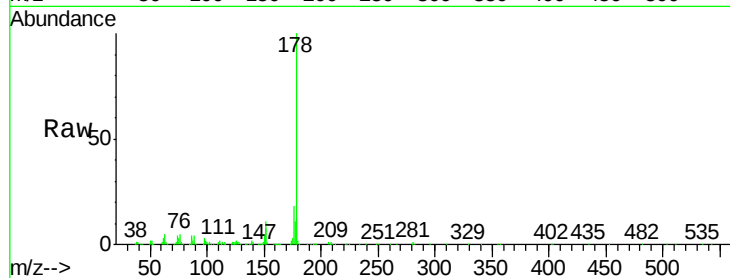
Delta R.T. -0.01 min

Lab File: BM010556.D

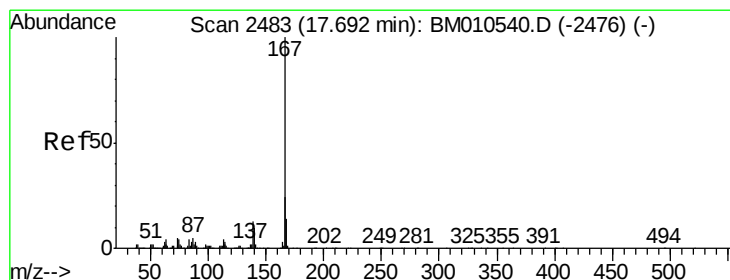
Acq: 13 Jun 2017 03:44

Tgt Ion:178 Resp: 306092

Ion	Ratio	Lower	Upper
178	100		
179	12.7	11.7	17.5
176	18.4	14.6	21.8



Time-->



#72

Carbazole

Concen: 2.25 ng/ul

RT: 17.69 min Scan# 2483

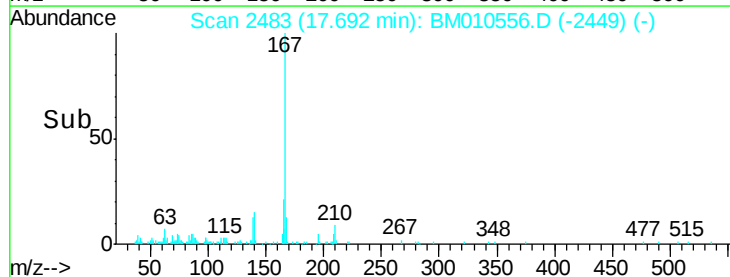
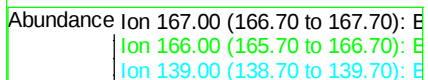
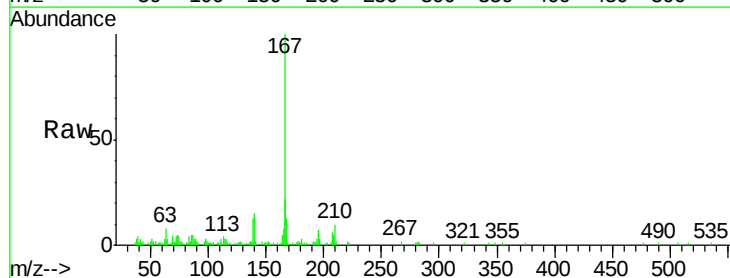
Delta R.T. 0.00 min

Lab File: BM010556.D

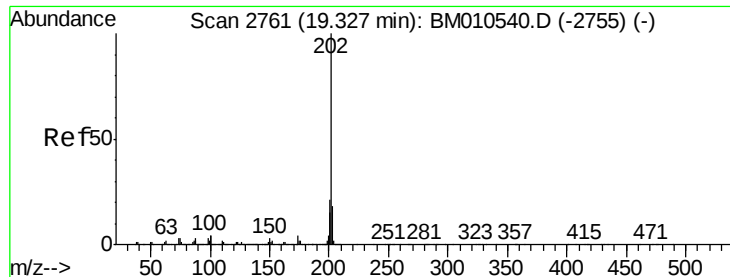
Acq: 13 Jun 2017 03:44

Tgt Ion:167 Resp: 75672

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.1	25.7
139	13.4	10.0	15.0



Time-->



#74

Fluoranthene

Concen: 25.46 ng/ul

RT: 19.32 min Scan# 2760

Delta R.T. -0.01 min

Lab File: BM010556.D

Acq: 13 Jun 2017 03:44

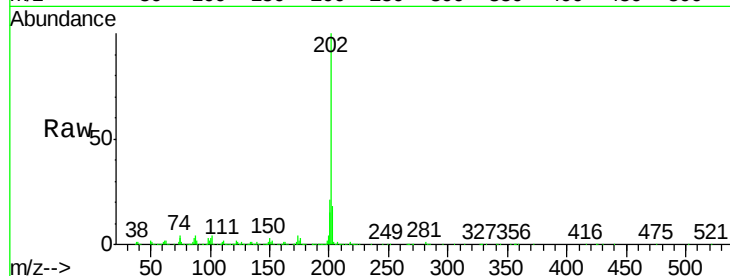
Tgt Ion:202 Resp: 1191414

Ion Ratio Lower Upper

202 100

101 3.7 4.6 7.0#

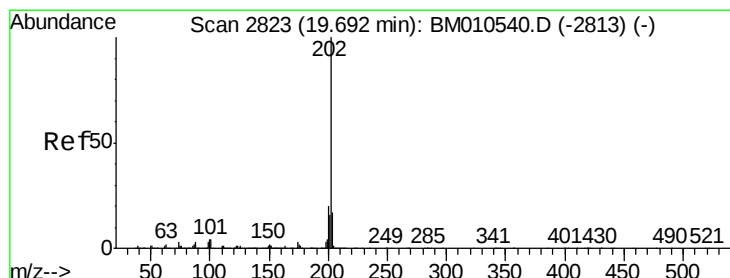
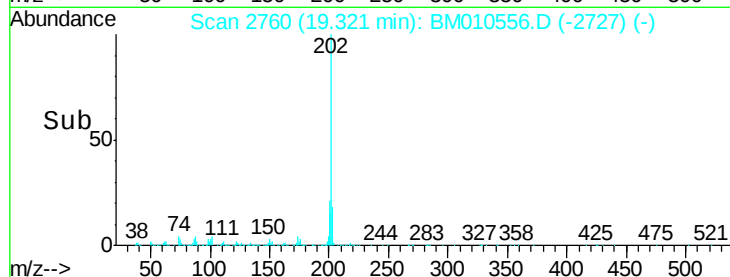
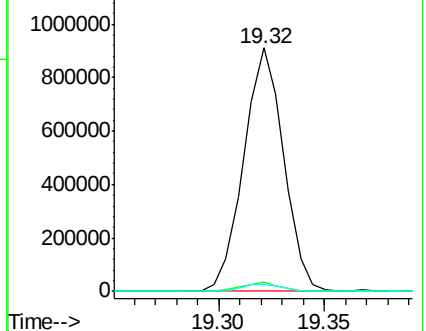
100 3.1 3.4 5.2#



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: 15.63 ng/ul

RT: 19.69 min Scan# 2822

Delta R.T. -0.01 min

Lab File: BM010556.D

Acq: 13 Jun 2017 03:44

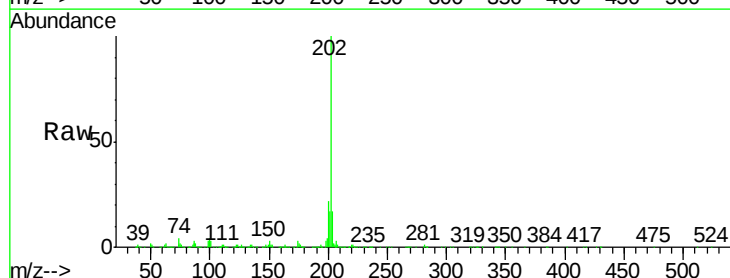
Tgt Ion:202 Resp: 820212

Ion Ratio Lower Upper

202 100

101 3.4 5.1 7.7#

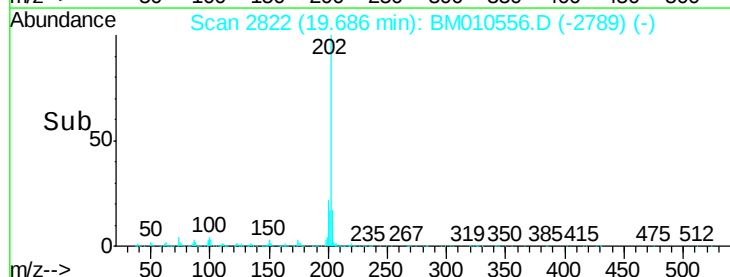
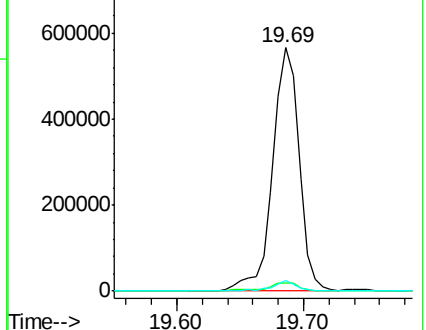
100 4.2 4.9 7.3#

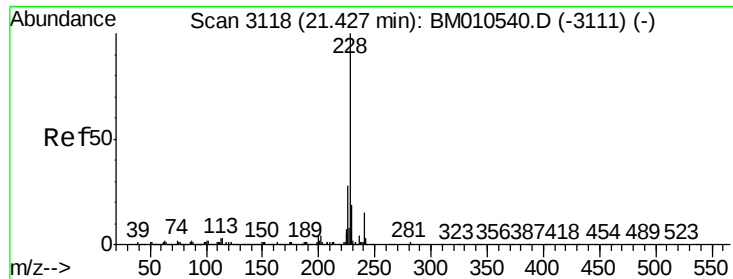


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

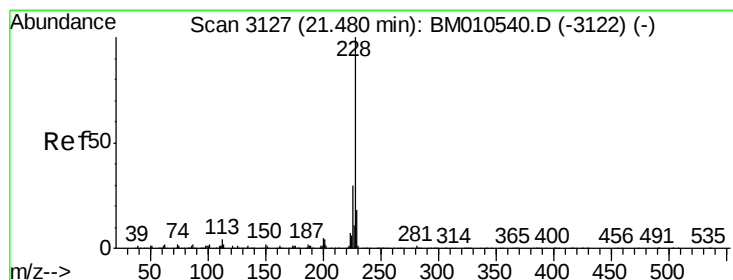
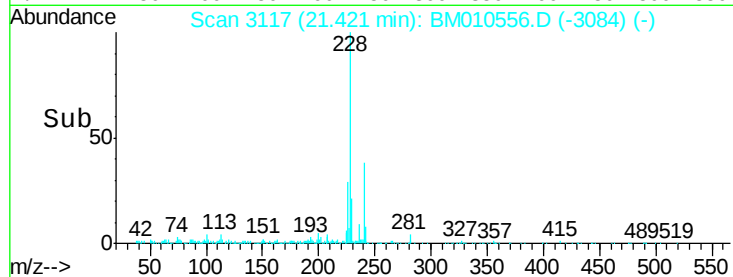
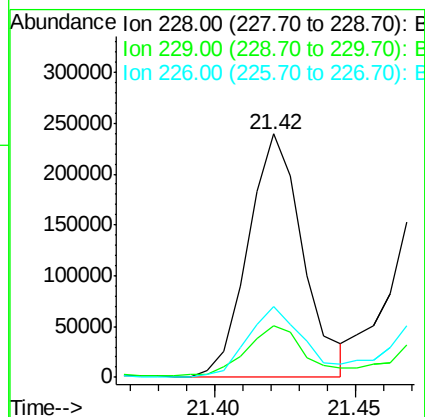
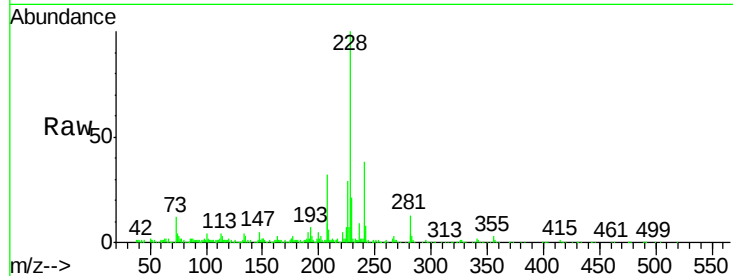
Ion 100.00 (99.70 to 100.70): B





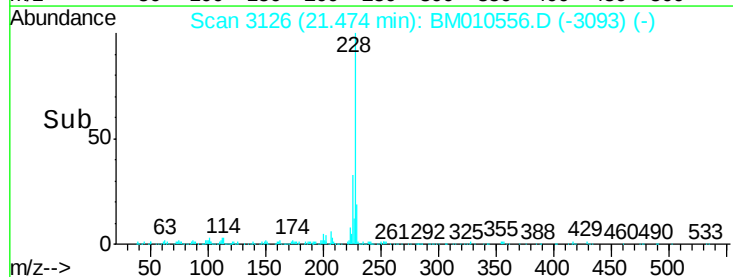
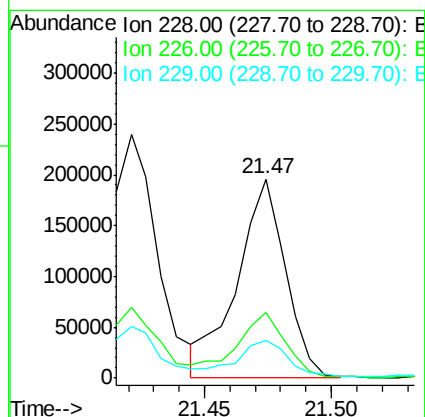
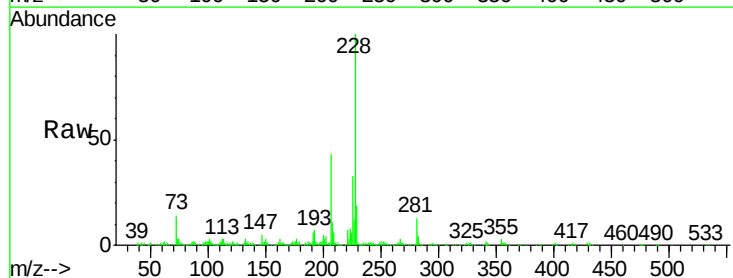
#80
Benzo(a)anthracene
Concen: 5.58 ng/ul
RT: 21.42 min Scan# 3117
Delta R.T. -0.01 min
Lab File: BM010556.D
Acq: 13 Jun 2017 03:44

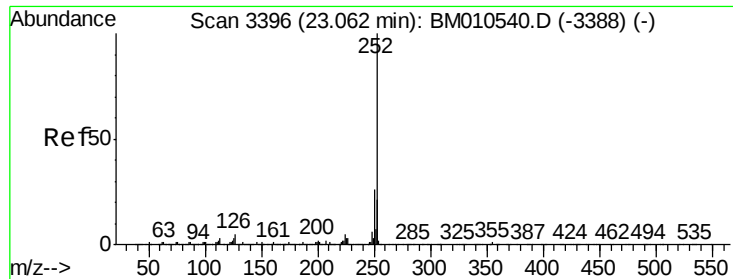
Tgt Ion:	228	Resp:	320670
Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.4	23.0
226	29.3	21.4	32.0



#82
Chrysene
Concen: 4.99 ng/ul
RT: 21.47 min Scan# 3126
Delta R.T. -0.01 min
Lab File: BM010556.D
Acq: 13 Jun 2017 03:44

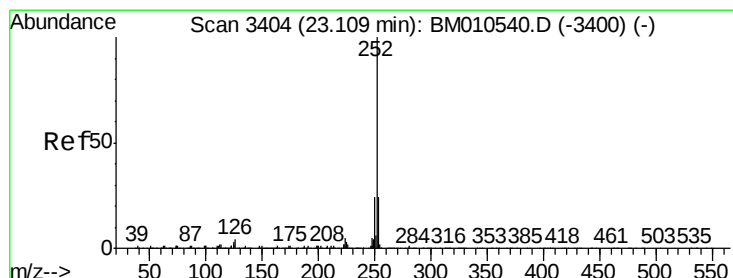
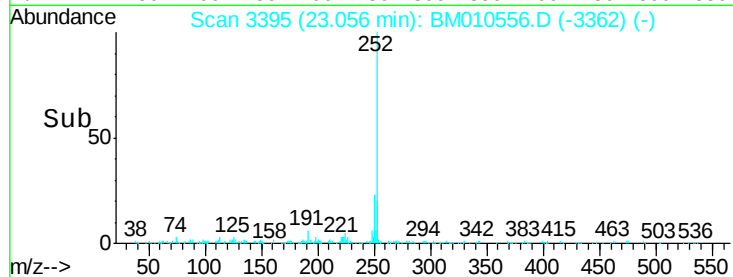
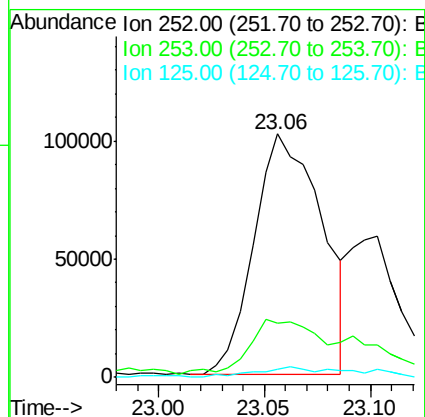
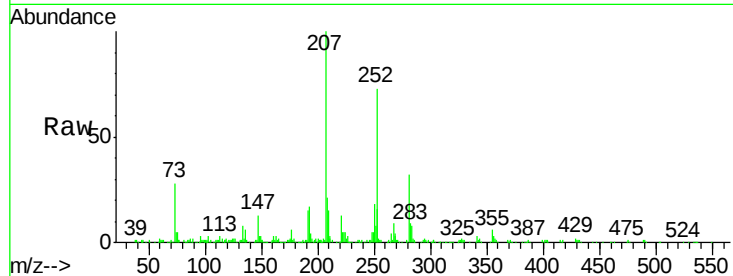
Tgt Ion:	228	Resp:	259095
Ion	Ratio	Lower	Upper
228	100		
226	32.8	23.4	35.2
229	19.1	15.5	23.3





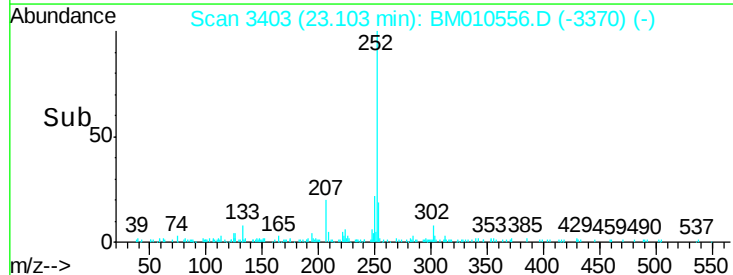
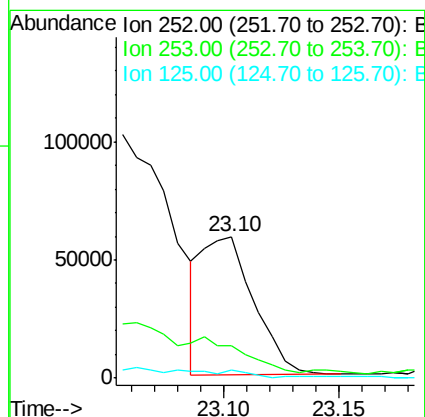
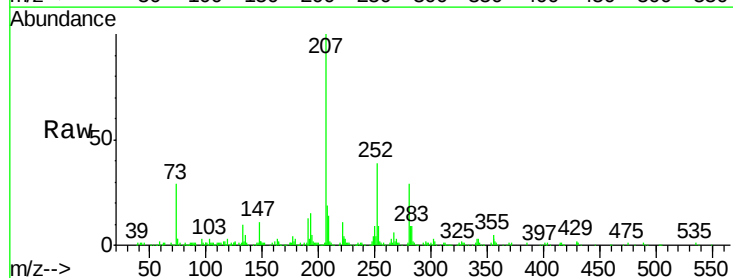
#85
Benzo(b)fluoranthene
Concen: 3.78 ng/ul
RT: 23.06 min Scan# 3395
Delta R.T. -0.01 min
Lab File: BM010556.D
Acq: 13 Jun 2017 03:44

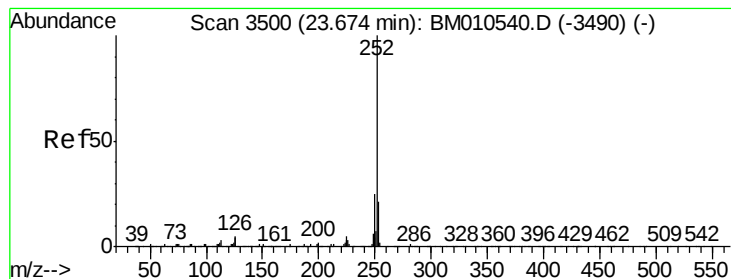
Tgt Ion:	252	Resp:	227913
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.9	26.9
125	3.4	3.6	5.4#



#86
Benzo(k)fluoranthene
Concen: 1.59 ng/ul
RT: 23.10 min Scan# 3403
Delta R.T. -0.01 min
Lab File: BM010556.D
Acq: 13 Jun 2017 03:44

Tgt Ion:	252	Resp:	91402
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.1	25.7
125	6.0	3.4	5.2#





#88

Benzo(a)pyrene

Concen: 2.65 ng/ul

RT: 23.67 min Scan# 3499

Delta R.T. -0.01 min

Lab File: BM010556.D

Acq: 13 Jun 2017 03:44

Tgt Ion: 252 Resp: 158258

Ion Ratio Lower Upper

252 100

253 21.0 18.2 27.2

125 4.2 4.0 6.0

