

Data File : BM010549.D
Acq On : 12 Jun 2017 23:33
Operator : SJ/MA
Sample : I3522-12DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 13 03:35:26 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	123171	20.00	ng/ul	0.00
18) Naphthalene-d8	10.69	136	434770	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	299502	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.27	188	792366	20.00	ng/ul	0.00
75) Chrysene-d12	21.44	240	1163832	20.00	ng/ul	0.00
83) Perylene-d12	23.77	264	1215006	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.37	96	2433	0.81	ng/uL	0.01
5) Phenol-d5	7.07	99	26490	2.84	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.23	67	18123	3.45	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	27770	3.73	ng/ul	0.00
13) 4-Methylphenol-d8	8.62	113	24642	3.27	ng/ul	0.00
19) Nitrobenzene-d5	9.07	128	11575	3.63	ng/ul	0.00
22) 2-Nitrophenol-d4	9.79	143	12975	3.52	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.32	165	32443	4.28	ng/ul	0.00
29) 4-Chloroaniline-d4	10.86	131	29578	4.05	ng/ul	0.00
43) Dimethylphthalate-d6	13.94	166	107365	4.31	ng/ul	0.00
46) Acenaphthylene-d8	14.22	160	118605	4.09	ng/ul	0.00
51) 4-Nitrophenol-d4	14.79	143	7089	1.90	ng/ul	0.02
57) Fluorene-d10	15.52	176	99691	4.56	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.65	200	15900	2.83	ng/ul	0.00
70) Anthracene-d10	17.37	188	161153	4.18	ng/ul	0.00
76) Pyrene-d10	19.66	212	220240	4.58	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.62	264	248307	4.39	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.74	128	58345	2.68	ng/ul	96
34) 2-Methylnaphthalene	12.35	142	40810	2.47	ng/ul	83
40) 1,1'-Biphenyl	13.36	154	37917	1.56	ng/ul#	94
44) Dimethylphthalate	13.99	163	106285	4.34	ng/ul#	96
49) Acenaphthene	14.59	153	162224	8.15	ng/ul	88
53) Dibenzofuran	14.92	168	206133	7.01	ng/ul	95
58) Fluorene	15.57	166	200628	8.31	ng/ul	97
69) Phenanthrene	17.32	178	1222559	28.90	ng/ul	99
71) Anthracene	17.40	178	126356	2.86	ng/ul	98
74) Fluoranthene	19.32	202	967068	18.59	ng/ul#	95
77) Pyrene	19.69	202	656368	10.94	ng/ul#	94
80) Benzo(a)anthracene	21.42	228	283137	4.31	ng/ul	97
82) Chrysene	21.47	228	153476	2.59	ng/ul	95
85) Benzo(b)fluoranthene	23.06	252	221948	3.14	ng/ul	94
86) Benzo(k)fluoranthene	23.06	252	221948	3.29	ng/ul#	92
88) Benzo(a)pyrene	23.67	252	142221	2.03	ng/ul	99

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

Data File : BM010549.D

Acq On : 12 Jun 2017 23:33

Operator : SJ/MA

Sample : I3522-12DL 5X

Misc :

ALS Vial : 23 Sample Multiplier: 1

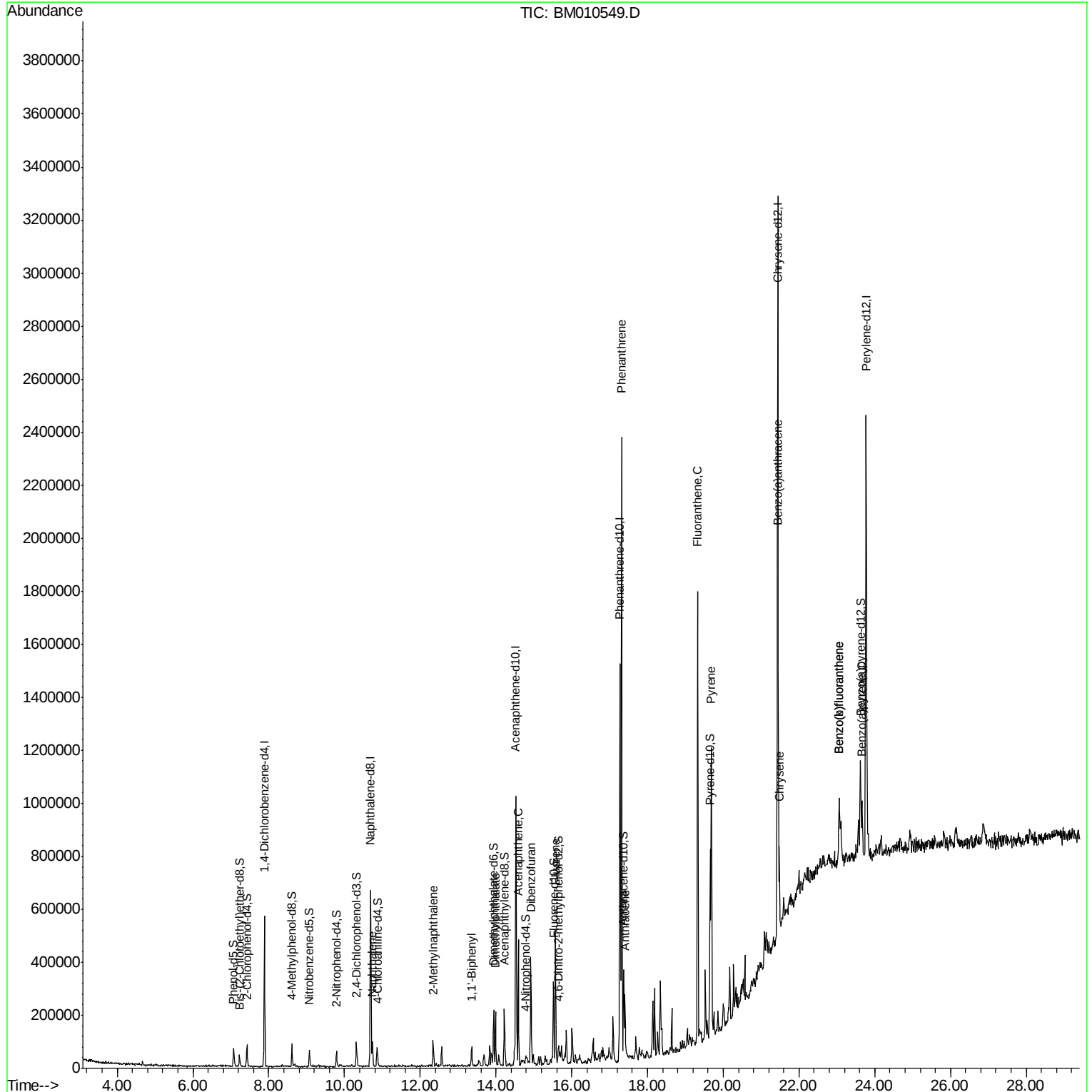
Quant Time: Jun 13 03:35:26 2017

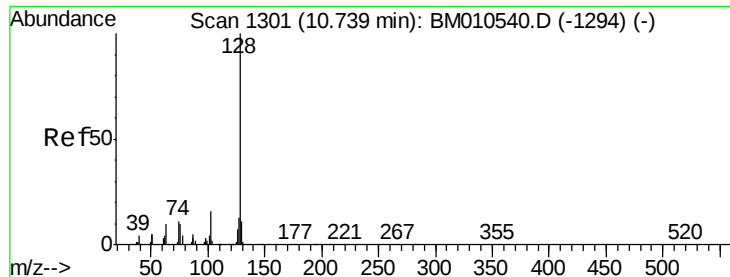
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M

Quant Title : SVOA CALIBRATION

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

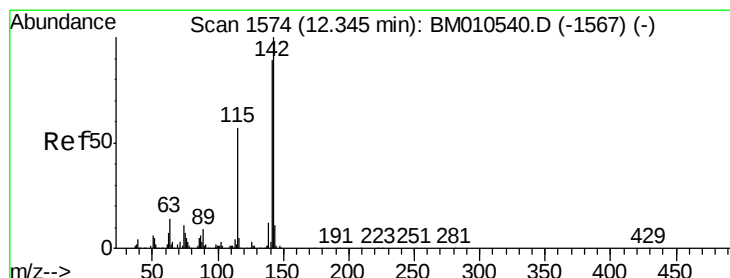
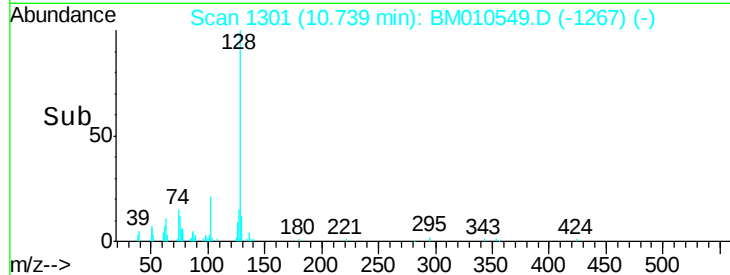
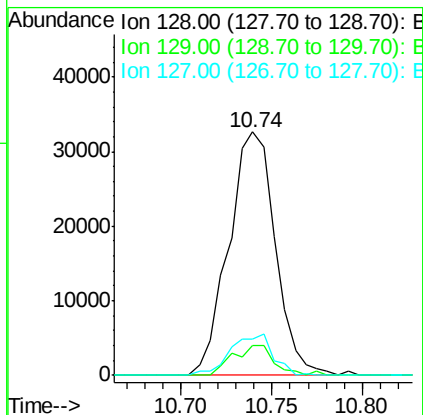
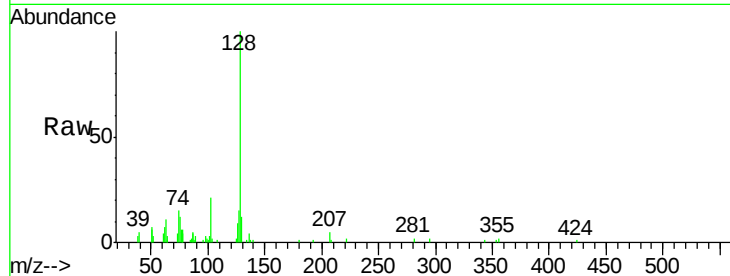
Response via : Initial Calibration





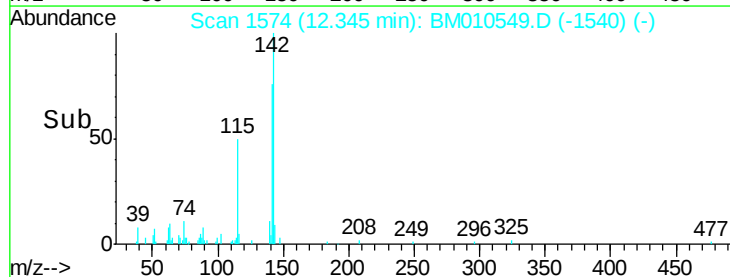
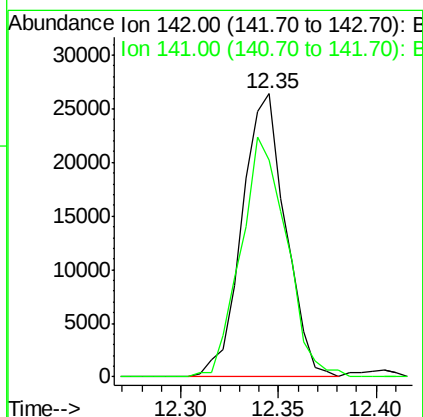
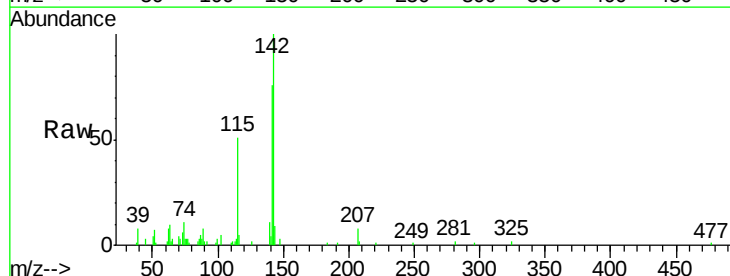
#28
Naphthalene
Concen: 2.68 ng/ul
RT: 10.74 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BM010549.D
Acq: 12 Jun 2017 23:33

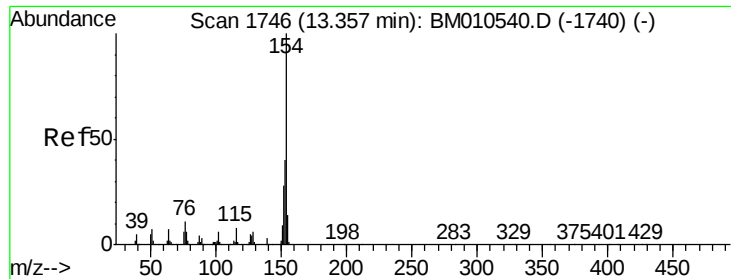
Tgt Ion:128 Resp: 58345
Ion Ratio Lower Upper
128 100
129 12.4 8.8 13.2
127 15.0 10.6 16.0



#34
2-Methylnaphthalene
Concen: 2.47 ng/ul
RT: 12.35 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BM010549.D
Acq: 12 Jun 2017 23:33

Tgt Ion:142 Resp: 40810
Ion Ratio Lower Upper
142 100
141 76.5 74.1 111.1





#40

1,1'-Biphenyl

Concen: 1.56 ng/ul

RT: 13.36 min Scan# 1746

Delta R.T. 0.00 min

Lab File: BM010549.D

Acq: 12 Jun 2017 23:33

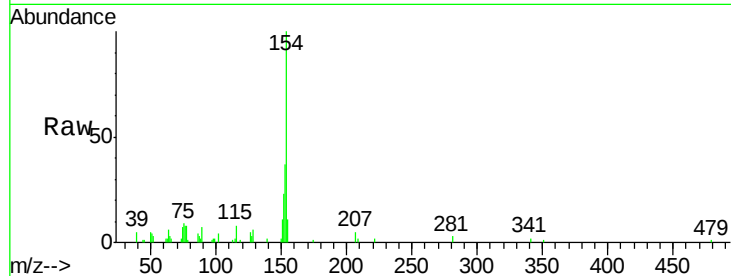
Tgt Ion:154 Resp: 37917

Ion Ratio Lower Upper

154 100

153 36.8 32.6 48.8

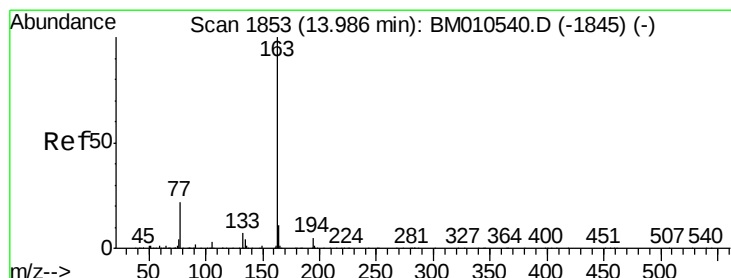
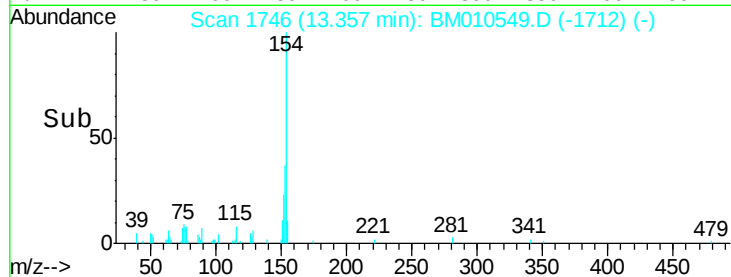
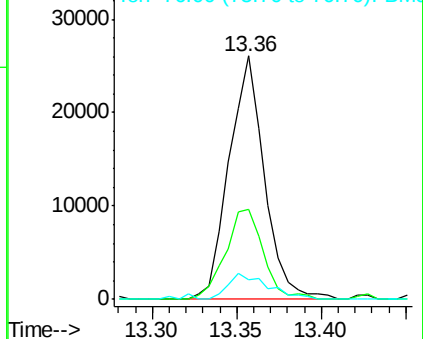
76 8.0 8.5 12.7#



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): BM



#44

Dimethylphthalate

Concen: 4.34 ng/ul

RT: 13.99 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BM010549.D

Acq: 12 Jun 2017 23:33

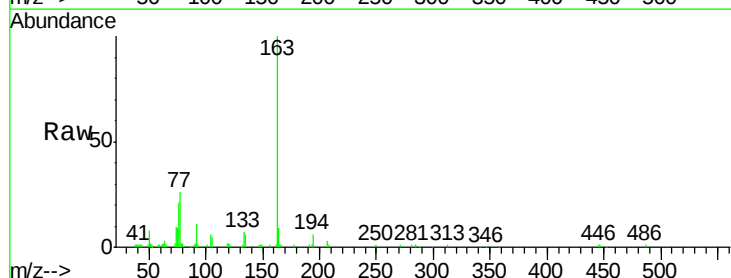
Tgt Ion:163 Resp: 106285

Ion Ratio Lower Upper

163 100

194 6.4 3.5 5.3#

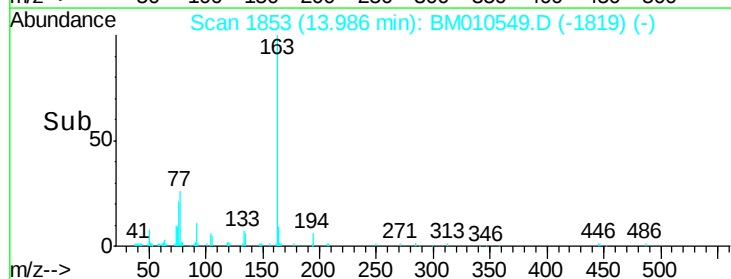
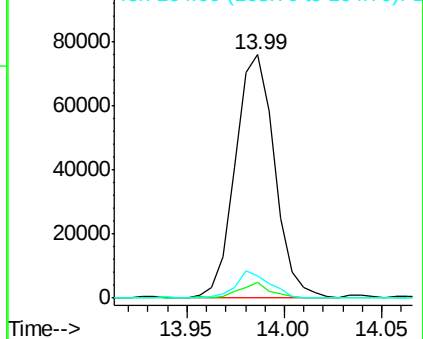
164 9.1 8.2 12.4

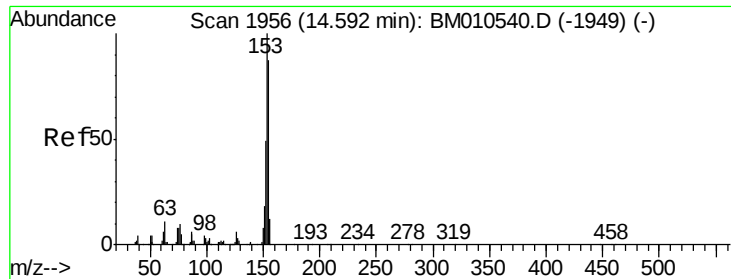


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#49

Acenaphthene

Concen: 8.15 ng/ul

RT: 14.59 min Scan# 1955

Delta R.T. -0.01 min

Lab File: BM010549.D

Acq: 12 Jun 2017 23:33

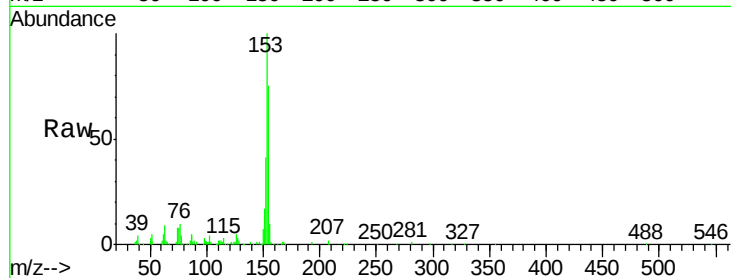
Tgt Ion:153 Resp: 162224

Ion Ratio Lower Upper

153 100

152 41.3 37.6 56.4

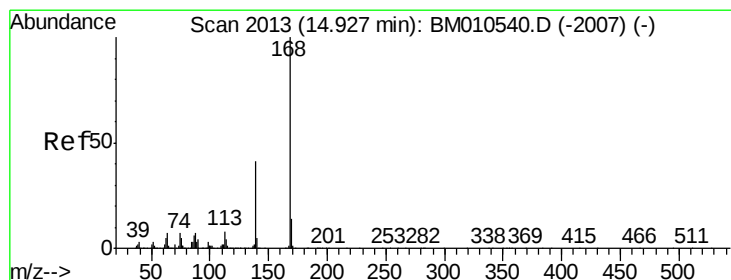
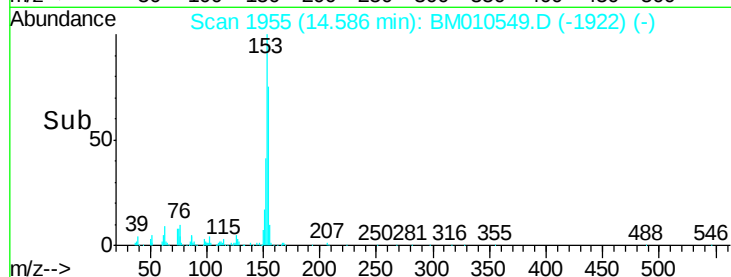
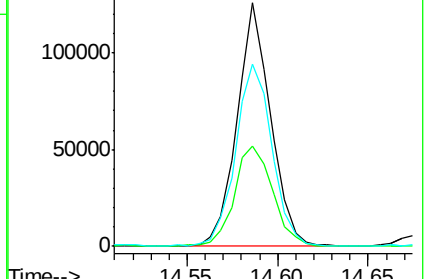
154 74.8 70.4 105.6



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: 7.01 ng/ul

RT: 14.92 min Scan# 1212

Delta R.T. -0.01 min

Lab File: BM010549.D

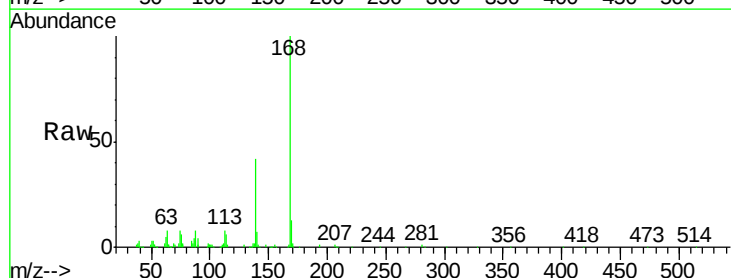
Acq: 12 Jun 2017 23:33

Tgt Ion:168 Resp: 206133

Ion Ratio Lower Upper

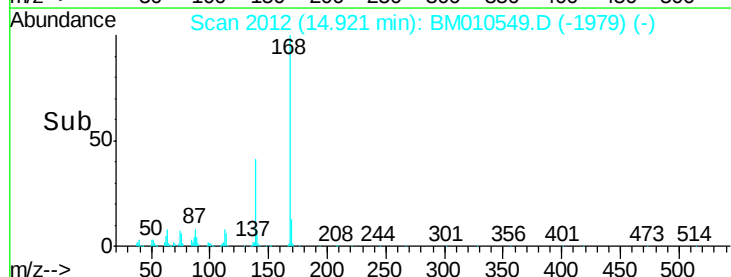
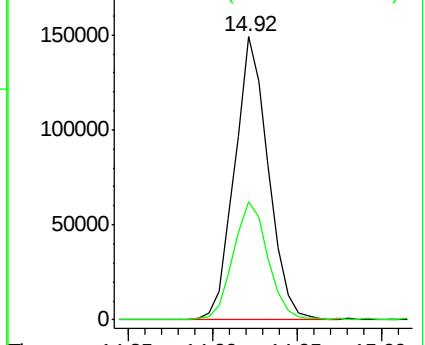
168 100

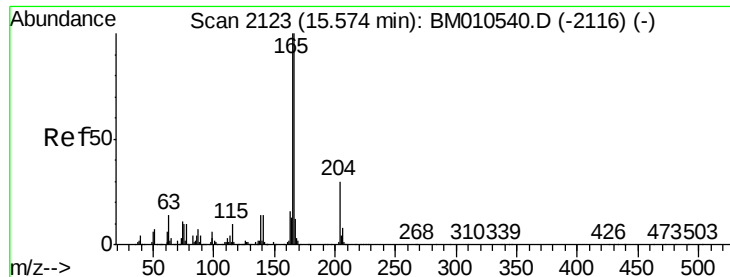
139 41.8 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

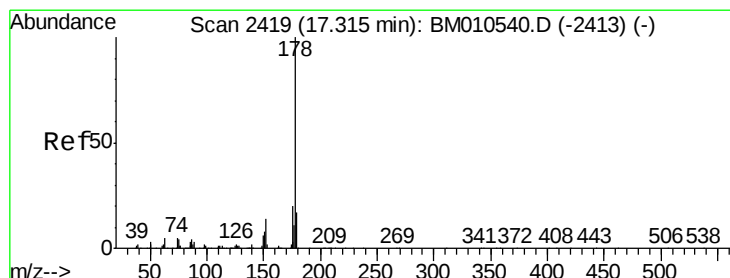
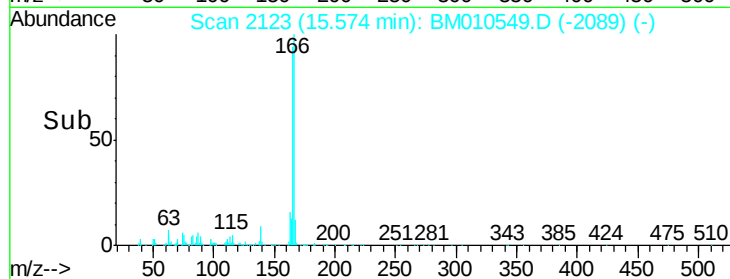
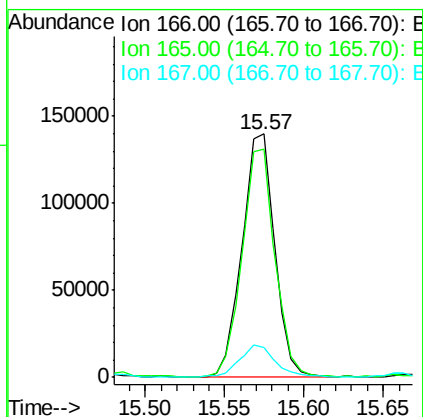
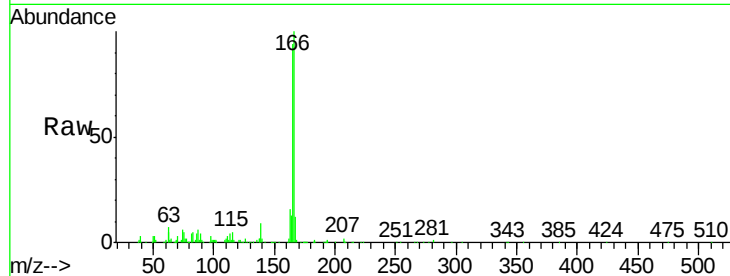
Ion 139.00 (138.70 to 139.70): E





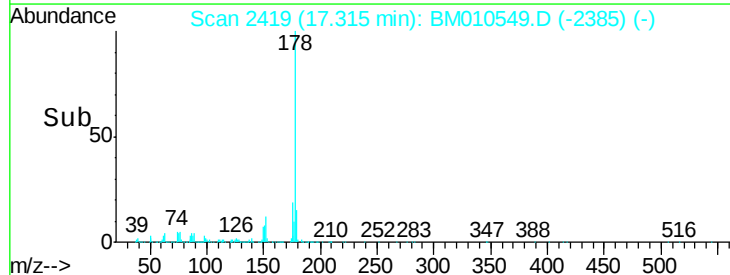
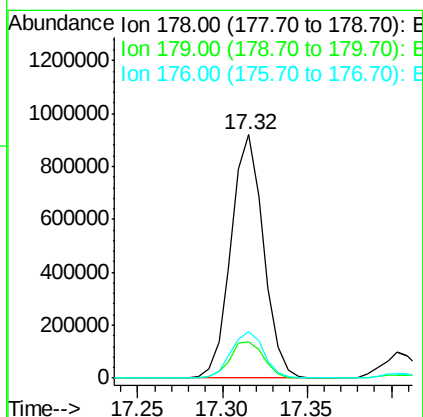
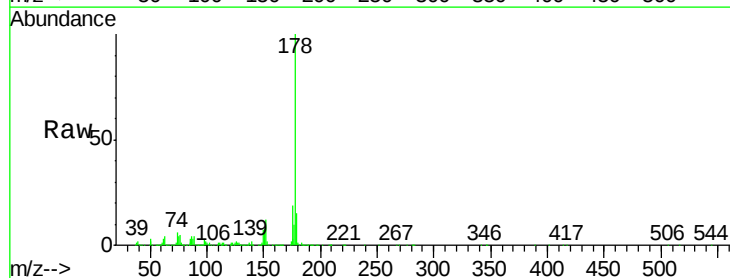
#58
 Fluorene
 Concen: 8.31 ng/ul
 RT: 15.57 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: BM010549.D
 Acq: 12 Jun 2017 23:33

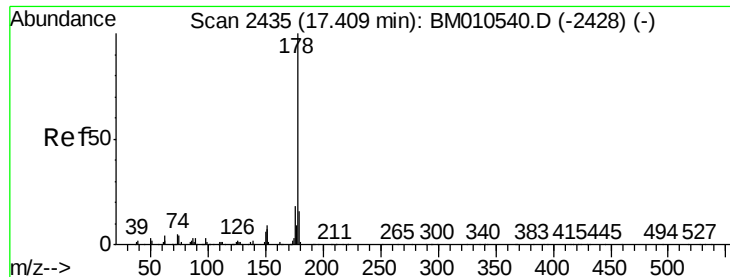
Tgt Ion	Ratio	Lower	Upper
166	100		
165	93.8	77.9	116.9
167	12.3	10.6	16.0



#69
 Phenanthrene
 Concen: 28.90 ng/ul
 RT: 17.32 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: BM010549.D
 Acq: 12 Jun 2017 23:33

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.6	19.0
176	18.9	14.9	22.3





#71

Anthracene

Concen: 2.86 ng/ul

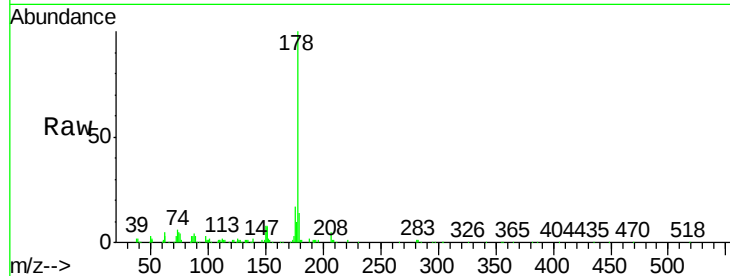
RT: 17.40 min Scan# 2434

Delta R.T. -0.01 min

Lab File: BM010549.D

Acq: 12 Jun 2017 23:33

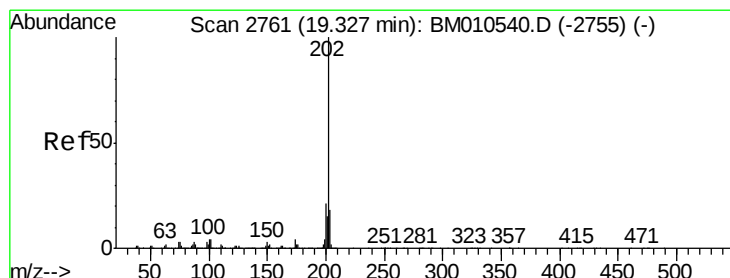
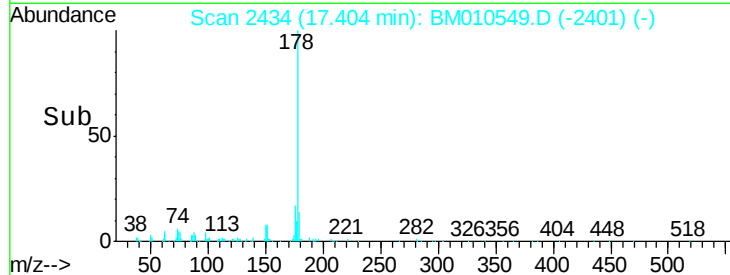
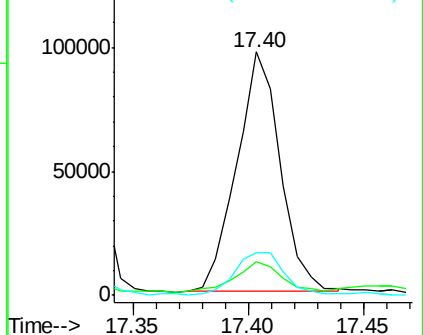
Tgt Ion:	178	Resp:	126356
Ion	Ratio	Lower	Upper
178	100		
179	13.6	11.7	17.5
176	17.3	14.6	21.8



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



#74

Fluoranthene

Concen: 18.59 ng/ul

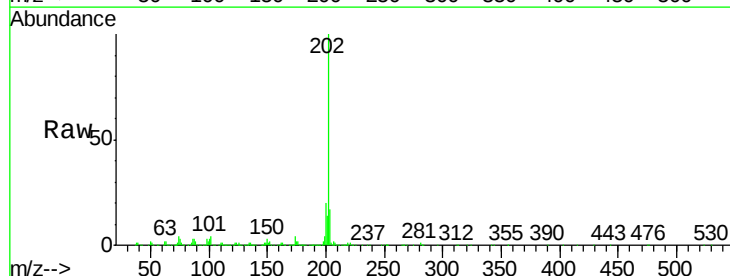
RT: 19.32 min Scan# 2760

Delta R.T. -0.01 min

Lab File: BM010549.D

Acq: 12 Jun 2017 23:33

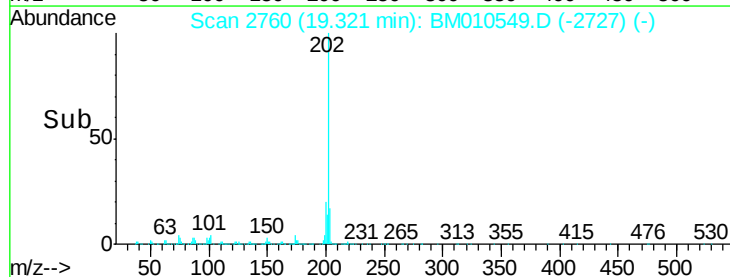
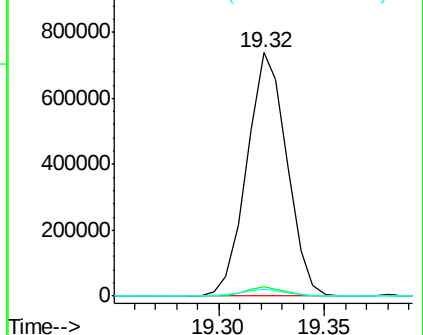
Tgt Ion:	202	Resp:	967068
Ion	Ratio	Lower	Upper
202	100		
101	3.9	4.6	7.0#
100	3.0	3.4	5.2#

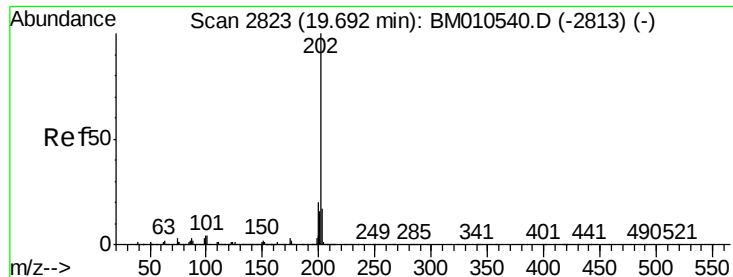


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pyrene

Concen: 10.94 ng/ul

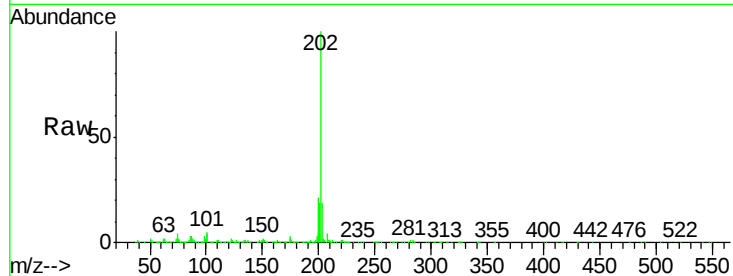
RT: 19.69 min Scan# 2822

Delta R.T. -0.01 min

Lab File: BM010549.D

Acq: 12 Jun 2017 23:33

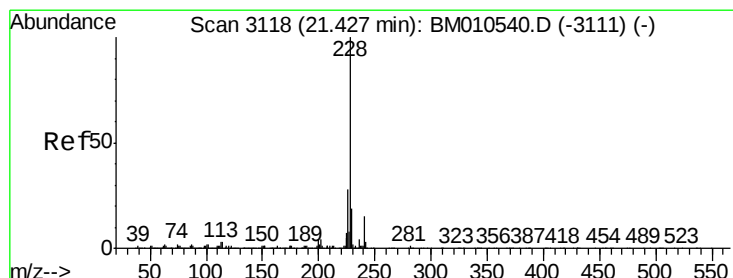
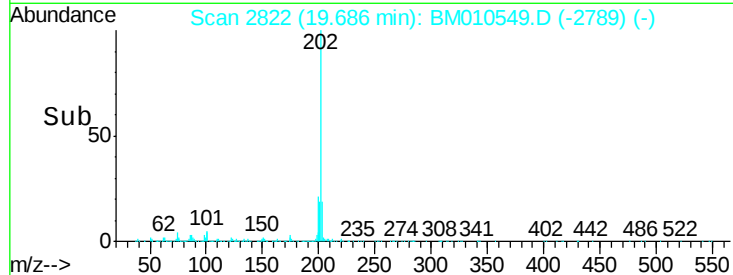
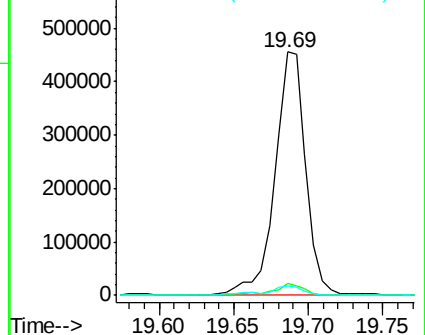
Tgt Ion:	202	Resp:	656368
Ion	Ratio	Lower	Upper
202	100		
101	4.8	5.1	7.7#
100	3.9	4.9	7.3#



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: 4.31 ng/ul

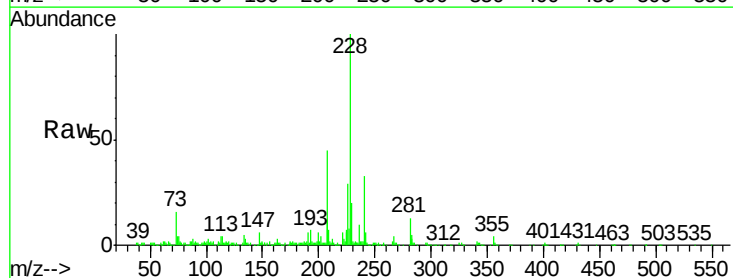
RT: 21.42 min Scan# 3117

Delta R.T. -0.01 min

Lab File: BM010549.D

Acq: 12 Jun 2017 23:33

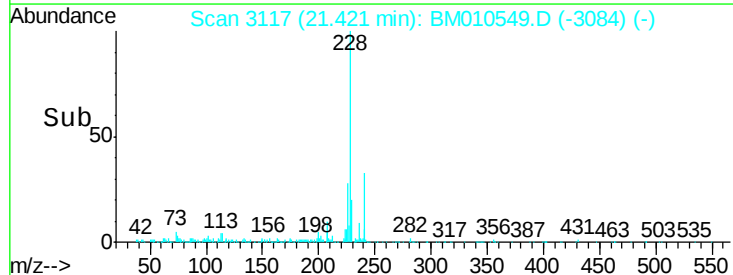
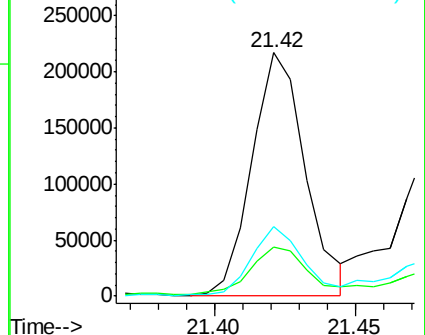
Tgt Ion:	228	Resp:	283137
Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.4	23.0
226	28.6	21.4	32.0

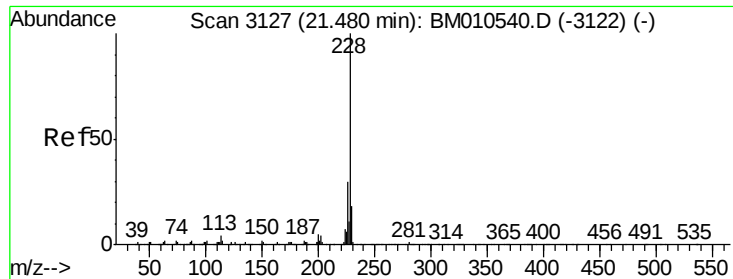


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 2.59 ng/ul

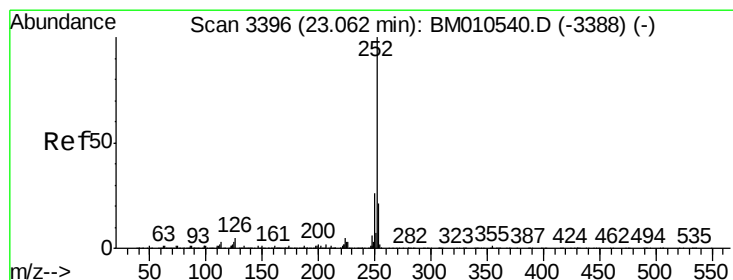
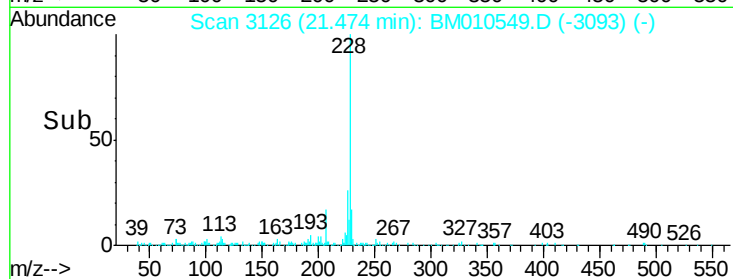
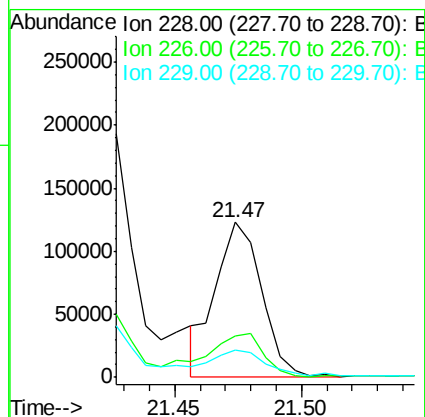
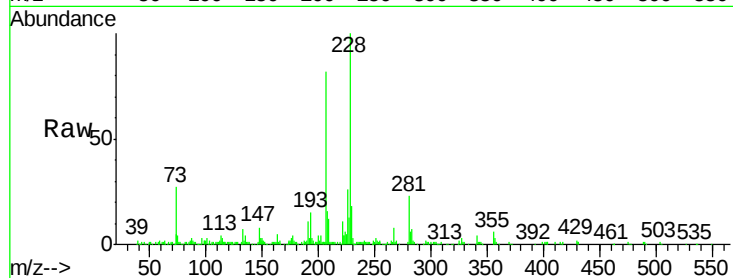
RT: 21.47 min Scan# 3126

Delta R.T. -0.01 min

Lab File: BM010549.D

Acq: 12 Jun 2017 23:33

Tgt Ion:	228	Resp:	153476
Ion	Ratio	Lower	Upper
228	100		
226	26.3	23.4	35.2
229	18.0	15.5	23.3



#85

Benzo(b)fluoranthene

Concen: 3.14 ng/ul

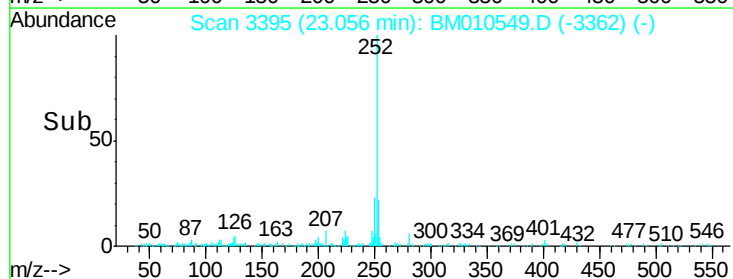
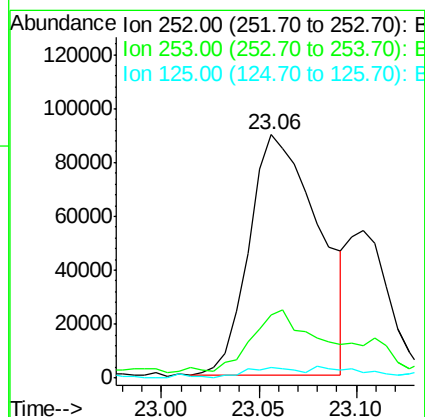
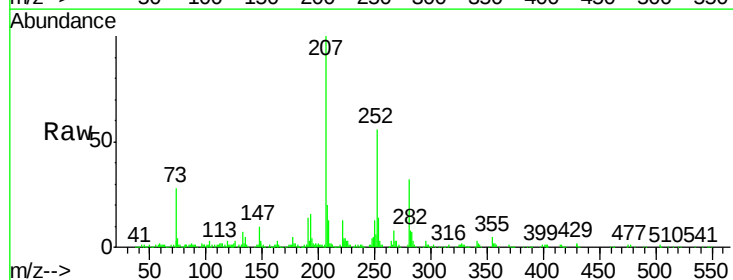
RT: 23.06 min Scan# 3395

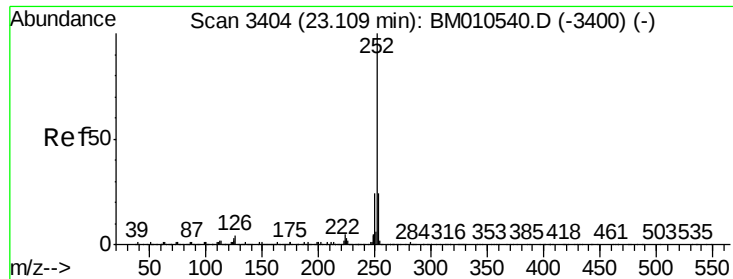
Delta R.T. -0.01 min

Lab File: BM010549.D

Acq: 12 Jun 2017 23:33

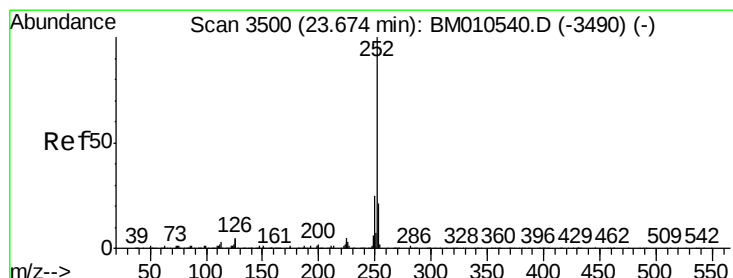
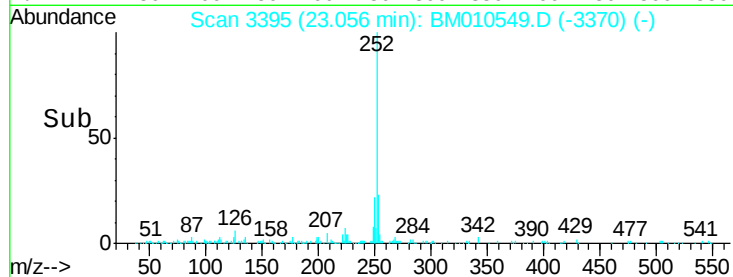
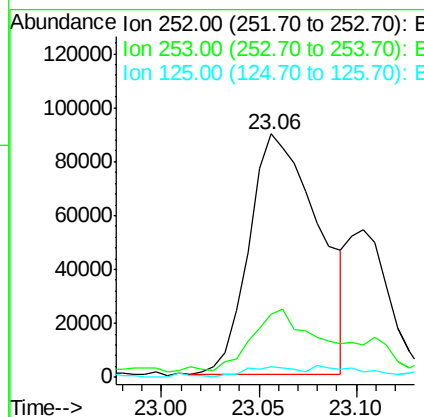
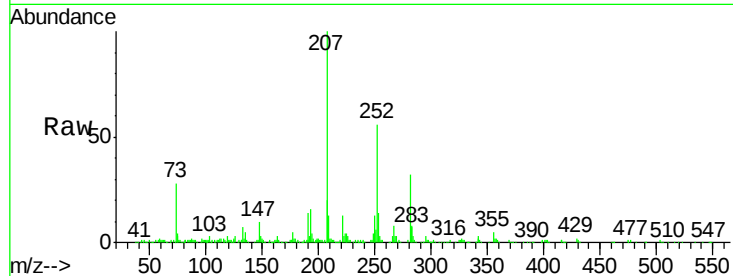
Tgt Ion:	252	Resp:	221948
Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.9	26.9
125	4.4	3.6	5.4





#86
Benzo(k)fluoranthene
Concen: 3.29 ng/ul
RT: 23.06 min Scan# 3395
Delta R.T. -0.05 min
Lab File: BM010549.D
Acq: 12 Jun 2017 23:33

Tgt Ion:	252	Resp:	221948
Ion Ratio	Lower	Upper	
252	100		
253	25.7	17.1	25.7#
125	4.4	3.4	5.2



#88
Benzo(a)pyrene
Concen: 2.03 ng/ul
RT: 23.67 min Scan# 3499
Delta R.T. -0.01 min
Lab File: BM010549.D
Acq: 12 Jun 2017 23:33

Tgt Ion:	252	Resp:	142221
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.2	27.2
125	5.5	4.0	6.0

