

Data Path : Z:\HPCHEM1\BNA M\DATA\BM061317\
 Data File : BM010571.D
 Acq On : 13 Jun 2017 21:45
 Operator : SJ/MA
 Sample : I3522-15 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jun 14 01:50:11 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM052717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 14 01:46:30 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	96838	20.00	ng/ul	0.00
18) Naphthalene-d8	10.68	136	326224	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	216020	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.27	188	562210	20.00	ng/ul	0.00
75) Chrysene-d12	21.44	240	885831	20.00	ng/ul	0.00
83) Perylene-d12	23.77	264	921548	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.38	96	910	0.39	ng/uL	0.02
5) Phenol-d5	7.07	99	12798	1.74	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.23	67	8080	1.96	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	10413	1.78	ng/ul	0.00
13) 4-Methylphenol-d8	8.60	113	11561	1.95	ng/ul	0.00
19) Nitrobenzene-d5	9.06	128	2965	1.24	ng/ul	0.00
22) 2-Nitrophenol-d4	9.77	143	5226	1.89	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.32	165	10665	1.88	ng/ul	0.01
29) 4-Chloroaniline-d4	10.85	131	12963	2.36	ng/ul	0.00
43) Dimethylphthalate-d6	13.93	166	48746	2.72	ng/ul	0.00
46) Acenaphthylene-d8	14.22	160	51154	2.44	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.51	176	44010	2.79	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.37	188	77222	2.82	ng/ul	0.00
76) Pyrene-d10	19.66	212	101404	2.77	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.61	264	112948	2.63	ng/ul	0.00

Target Compounds

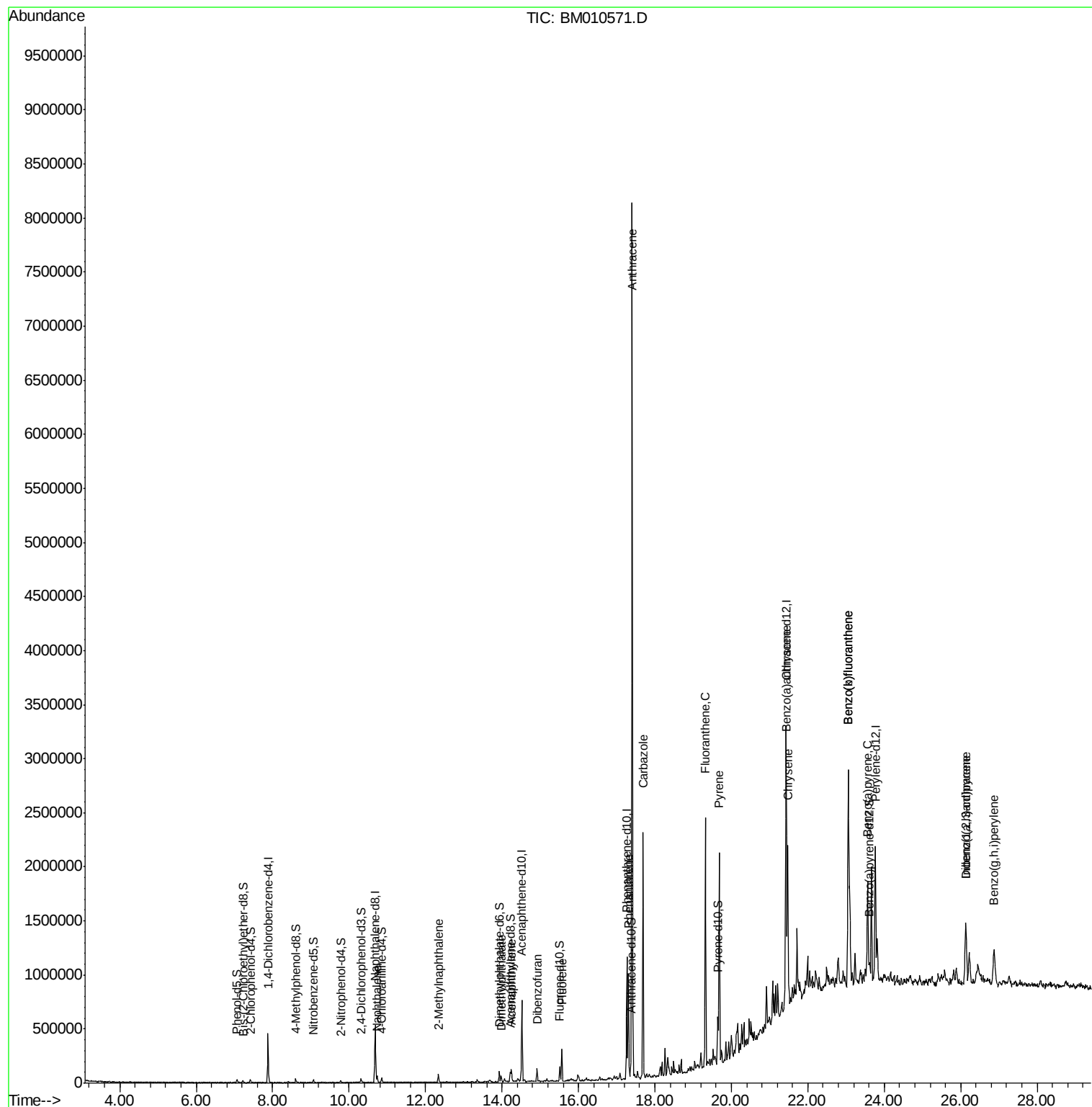
						Ovalue
28) Naphthalene	10.73	128	38799	2.37	ng/ul	97
34) 2-Methylnaphthalene	12.34	142	26665	2.15	ng/ul	96
44) Dimethylphthalate	13.98	163	29680	1.68	ng/ul#	99
47) Acenaphthylene	14.24	152	67037	3.28	ng/ul	98
53) Dibenzofuran	14.92	168	58555	2.76	ng/ul	87
58) Fluorene	15.57	166	116941	6.72	ng/ul#	93
69) Phenanthrene	17.31	178	500896	16.69	ng/ul	97
71) Anthracene	17.40	178	4186401	133.61	ng/ul	99
72) Carbazole	17.69	167	1205983	45.47	ng/ul	97
74) Fluoranthene	19.32	202	1290988	34.98	ng/ul#	95
77) Pyrene	19.69	202	1157687	25.36	ng/ul#	92
80) Benzo(a)anthracene	21.42	228	770177	15.42	ng/ul	97
82) Chrysene	21.47	228	886648	19.64	ng/ul	93
85) Benzo(b)fluoranthene	23.06	252	1646734	30.71	ng/ul	97
86) Benzo(k)fluoranthene	23.06	252	1646734	32.15	ng/ul	99
88) Benzo(a)pyrene	23.56	252	677603	12.75	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	26.13	276	572425	8.52	ng/ul#	96
90) Dibenzo(a,h)anthracene	26.14	278	146768	2.54	ng/ul#	95
91) Benzo(g,h,i)perylene	26.88	276	420223	7.60	ng/ul	94

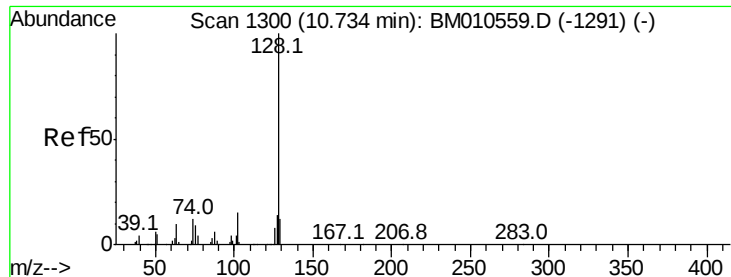
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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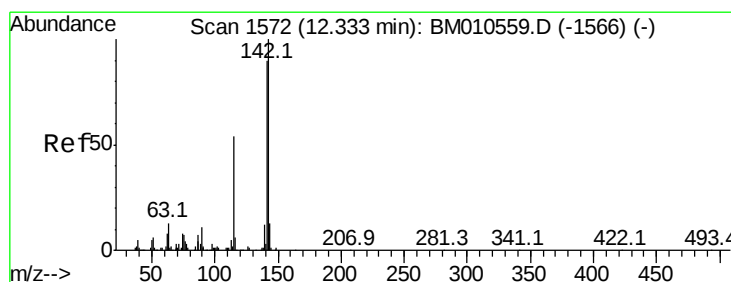
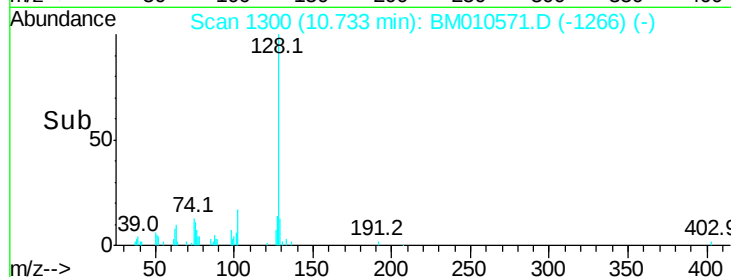
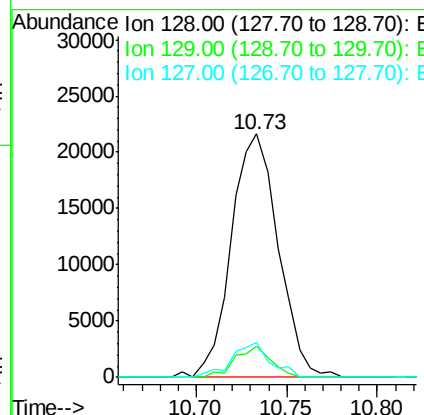
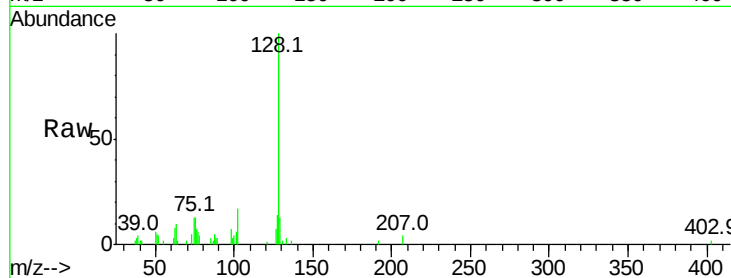




#28
Naphthalene
Concen: 2.37 ng/ul
RT: 10.73 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BM010571.D
Acq: 13 Jun 2017 21:45

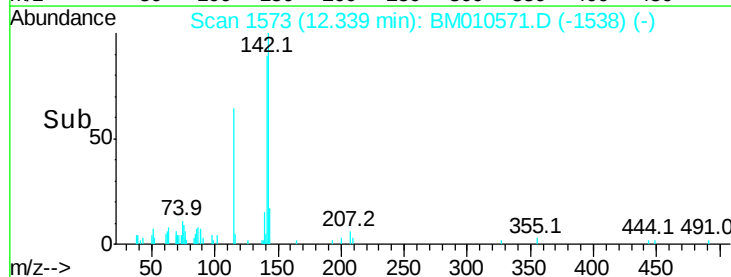
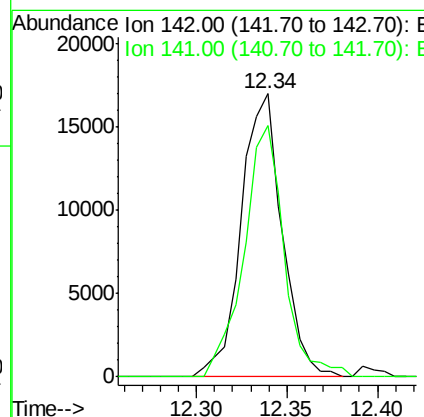
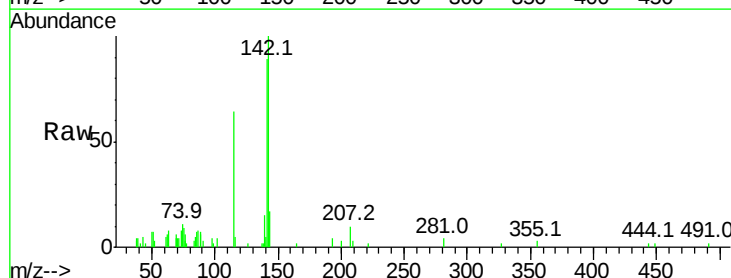
Instrument :
BNA_M
ClientSampleId :

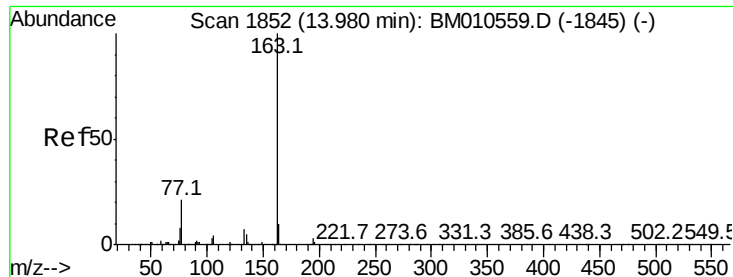
Tot Ion	Ratio	Lower	Upper
128	100		
129	12.7	8.8	13.2
127	14.3	10.6	16.0



#34
2-Methylnaphthalene
Concen: 2.15 ng/ul
RT: 12.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BM010571.D
Acq: 13 Jun 2017 21:45

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.6	74.1	111.1





#44

Dimethylphthalate

Concen: 1.68 ng/ul

RT: 13.98 min Scan# 1852

Delta R.T. -0.00 min

Lab File: BM010571.D

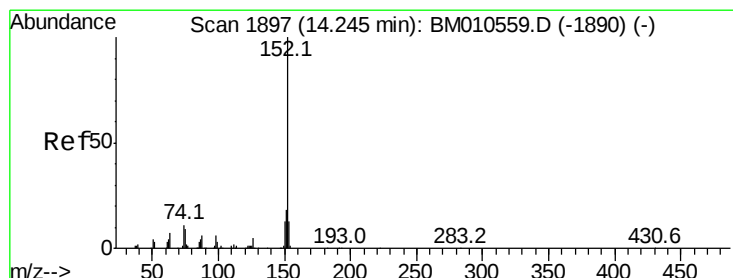
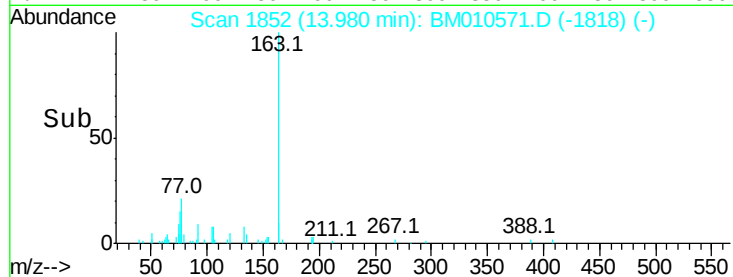
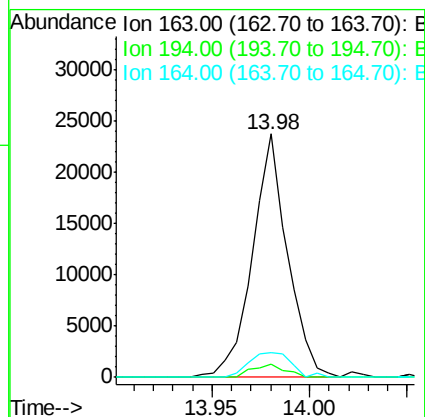
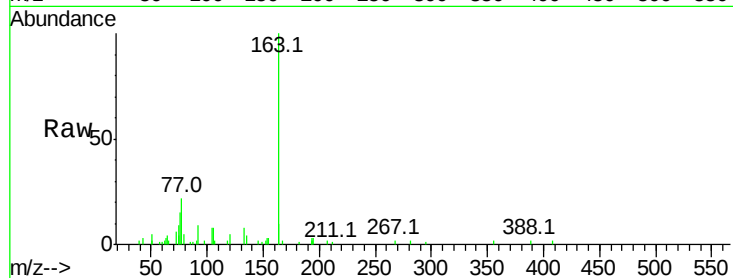
Acq: 13 Jun 2017 21:45

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	163	Resp:	29680
Ion	Ratio	Lower	Upper
163	100		
194	5.5	3.5	5.3#
164	10.2	8.2	12.4



#47

Acenaphthylene

Concen: 3.28 ng/ul

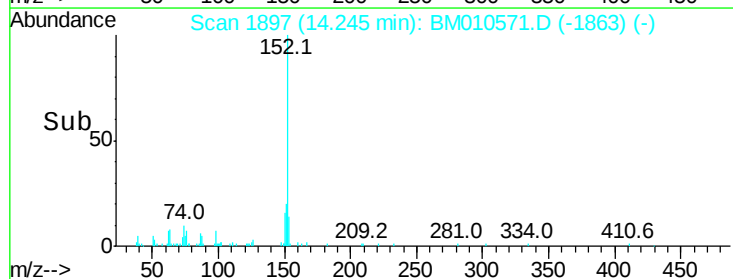
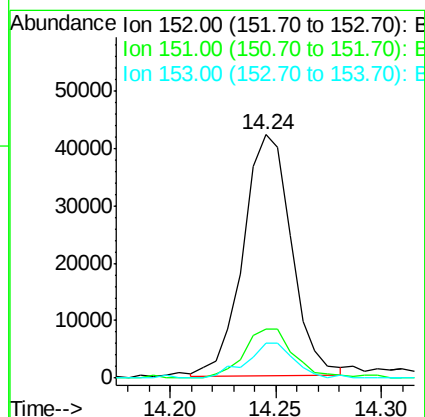
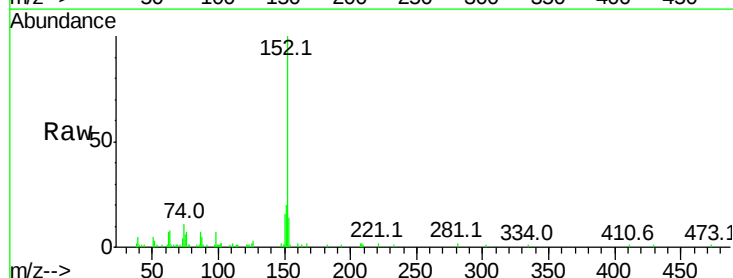
RT: 14.24 min Scan# 1897

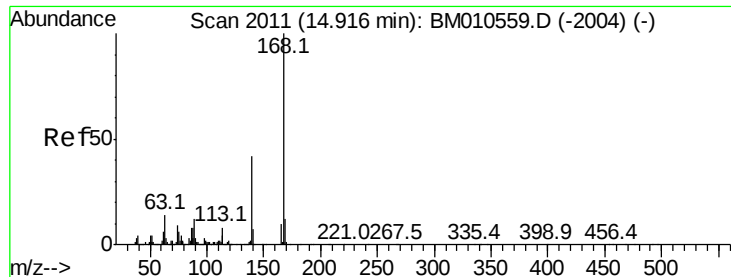
Delta R.T. -0.00 min

Lab File: BM010571.D

Acq: 13 Jun 2017 21:45

Tgt Ion:	152	Resp:	67037
Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.3	24.5
153	14.4	10.2	15.4





#53

Dibenzofuran

Concen: 2.76 ng/ul

RT: 14.92 min Scan# 2012

Delta R.T. 0.01 min

Lab File: BM010571.D

Acq: 13 Jun 2017 21:45

Instrument :

BNA_M

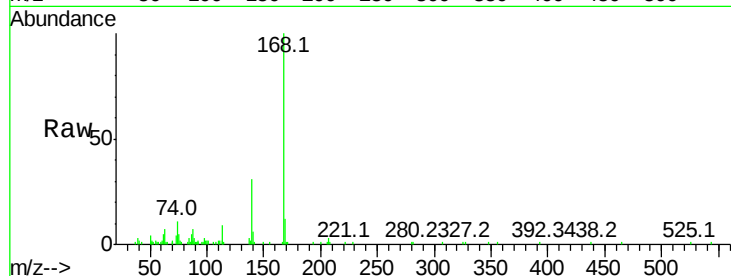
ClientSampleId :

Tot Ion:168 Resp: 58555

Ion Ratio Lower Upper

168 100

139 30.8 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

40000

30000

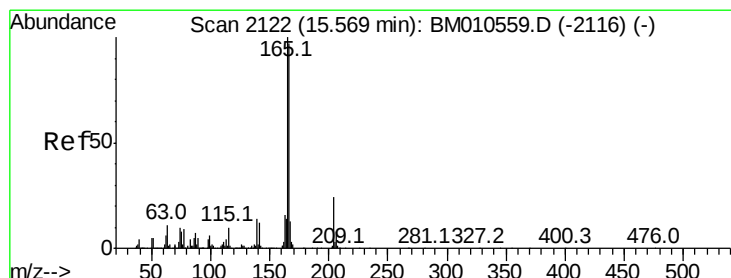
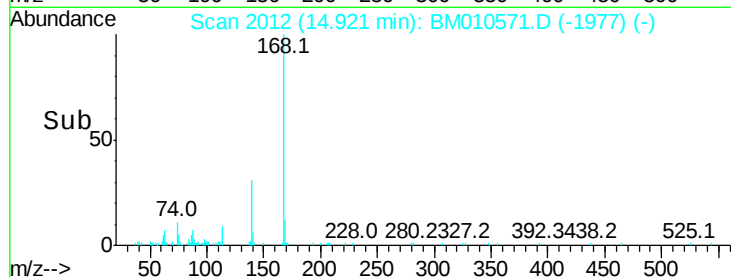
20000

10000

0

14.90 14.95

Time-->



#58

Fluorene

Concen: 6.72 ng/ul

RT: 15.57 min Scan# 2122

Delta R.T. -0.00 min

Lab File: BM010571.D

Acq: 13 Jun 2017 21:45

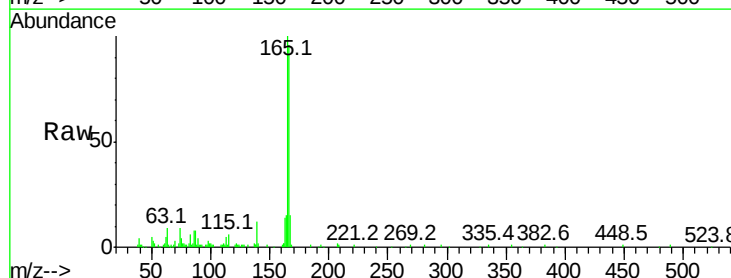
Tgt Ion:166 Resp: 116941

Ion Ratio Lower Upper

166 100

165 104.1 77.9 116.9

167 16.0 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

15.57

100000

80000

60000

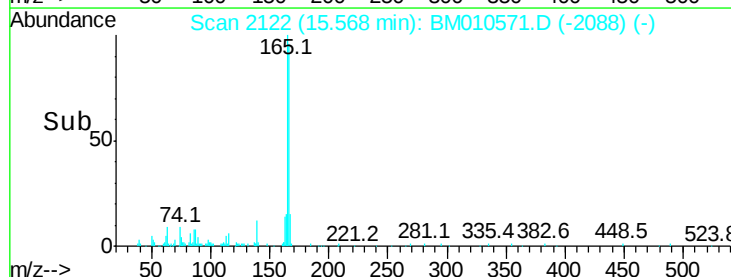
40000

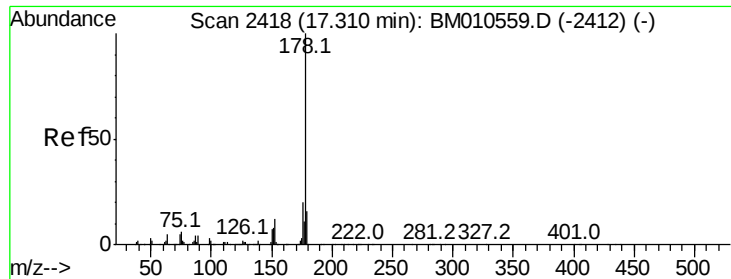
20000

0

15.50 15.55 15.60

Time-->





#69

Phenanthrene

Concen: 16.69 ng/ul

RT: 17.31 min Scan# 2418

Delta R.T. -0.00 min

Lab File: BM010571.D

Acq: 13 Jun 2017 21:45

Instrument :

BNA_M

ClientSampled :

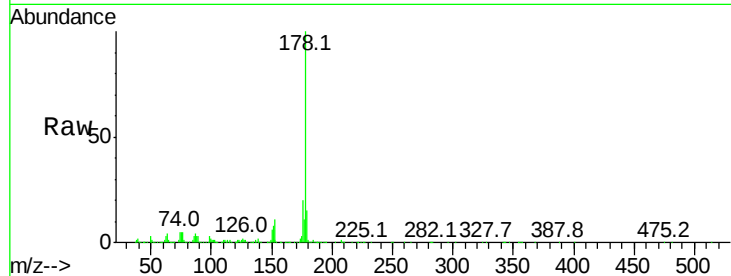
Tot Ion:178 Resp: 500896

Ion Ratio Lower Upper

178 100

179 15.2 12.6 19.0

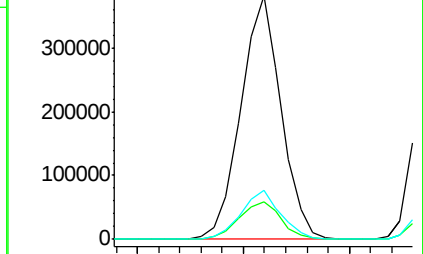
176 20.3 14.9 22.3



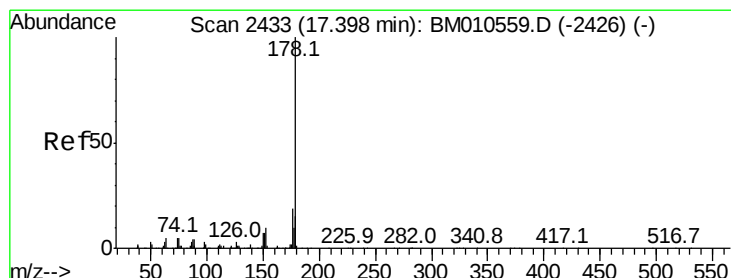
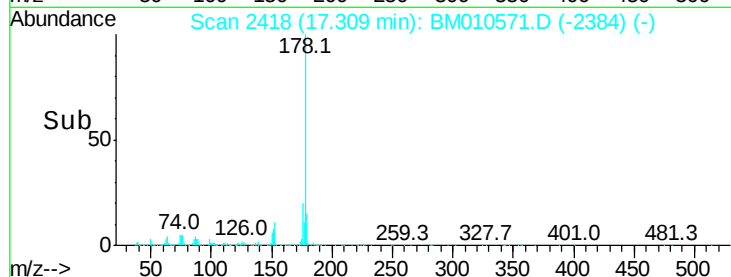
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#71

Anthracene

Concen: 133.61 ng/ul

RT: 17.40 min Scan# 2434

Delta R.T. 0.01 min

Lab File: BM010571.D

Acq: 13 Jun 2017 21:45

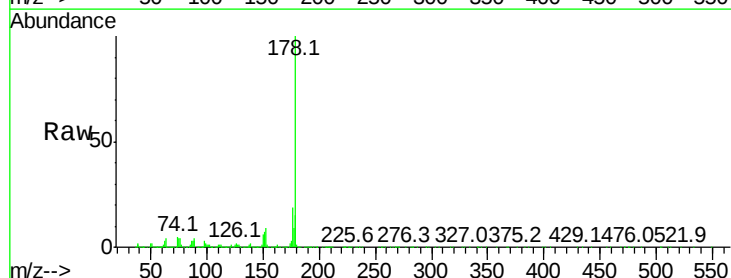
Tgt Ion:178 Resp: 4186401

Ion Ratio Lower Upper

178 100

179 15.1 11.7 17.5

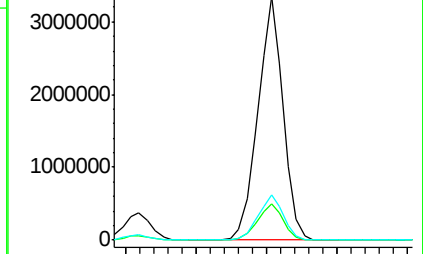
176 18.8 14.6 21.8



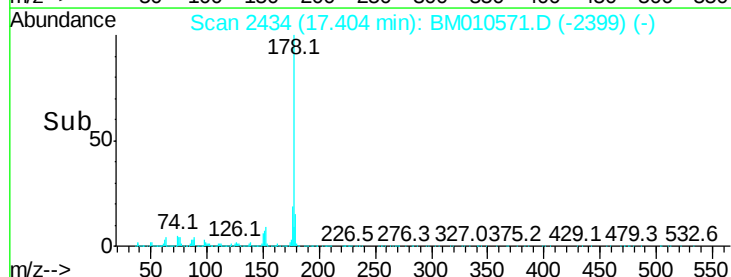
Abundance Ion 178.00 (177.70 to 178.70): E

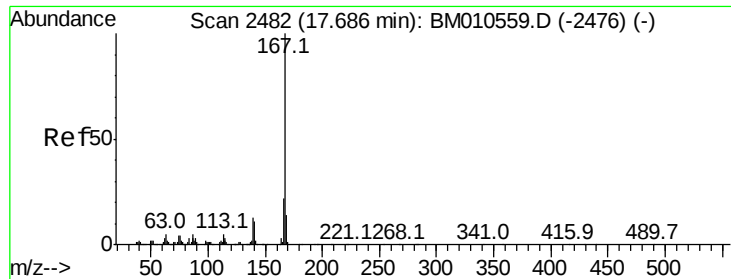
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->

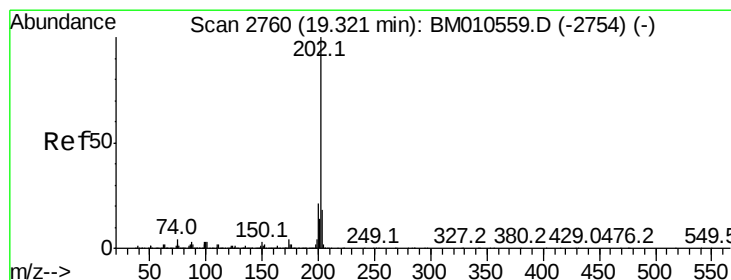
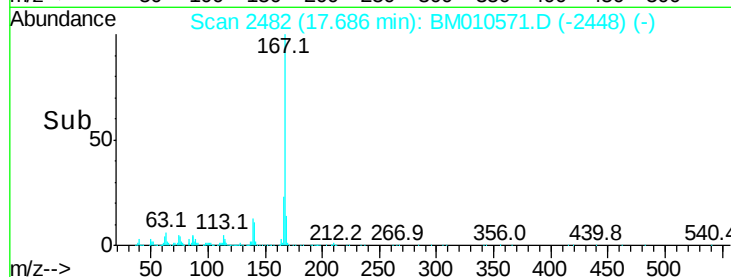
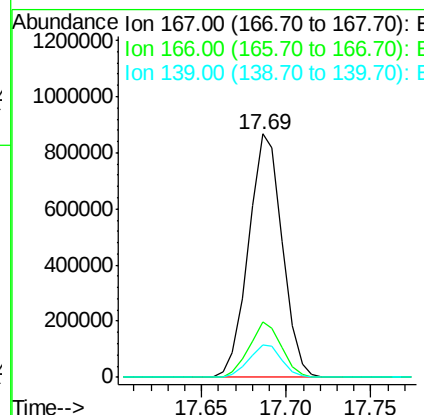
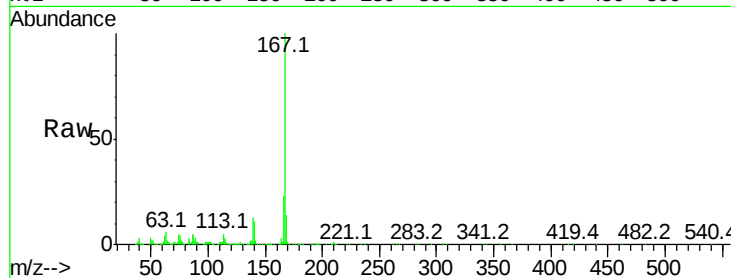




#72
 Carbazole
 Concen: 45.47 ng/ul
 RT: 17.69 min Scan# 2482
 Delta R.T. -0.00 min
 Lab File: BM010571.D
 Acq: 13 Jun 2017 21:45

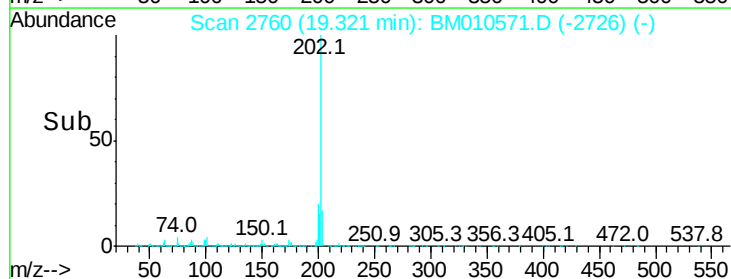
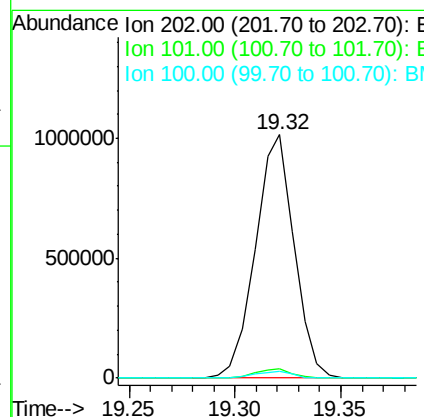
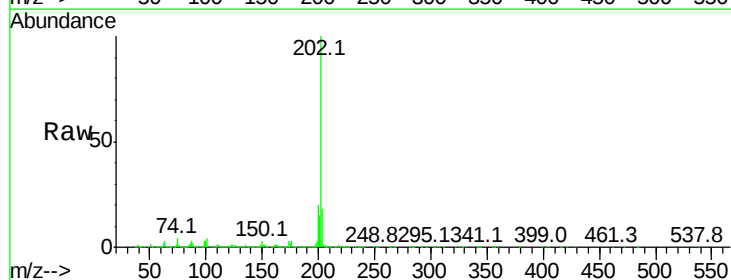
Instrument :
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 ClientSampleId :

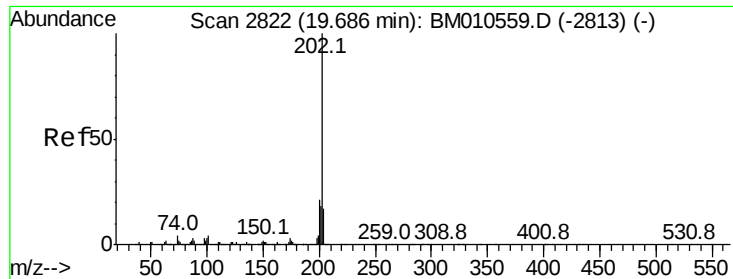
Tot Ion:167 Resp: 1205983
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.1 25.7
 139 13.4 10.0 15.0



#74
 Fluoranthene
 Concen: 34.98 ng/ul
 RT: 19.32 min Scan# 2760
 Delta R.T. -0.00 min
 Lab File: BM010571.D
 Acq: 13 Jun 2017 21:45

Tgt Ion:202 Resp: 1290988
 Ion Ratio Lower Upper
 202 100
 101 3.7 4.6 7.0#
 100 3.0 3.4 5.2#





#77

Pvrene

Concen: 25.36 ng/ul

RT: 19.69 min Scan# 2822

Delta R.T. -0.00 min

Lab File: BM010571.D

Acq: 13 Jun 2017 21:45

Instrument :

BNA_M

ClientSampleId :

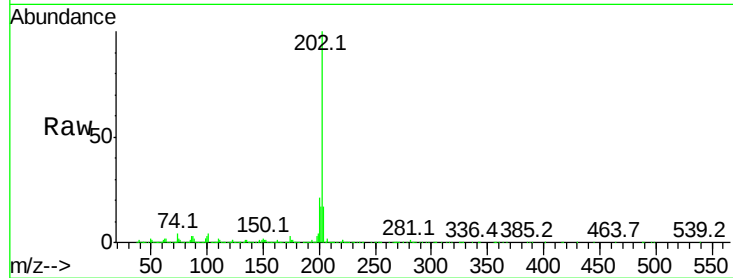
Tot Ion:202 Resp: 1157687

Ion Ratio Lower Upper

202 100

101 3.6 5.1 7.7#

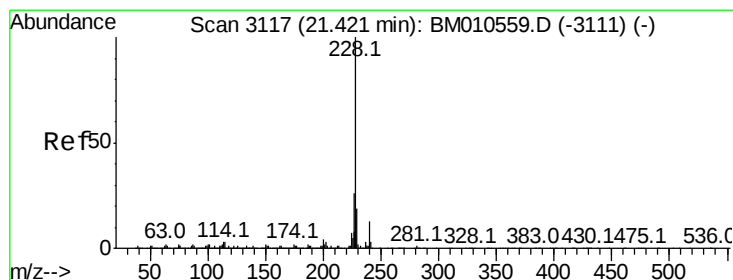
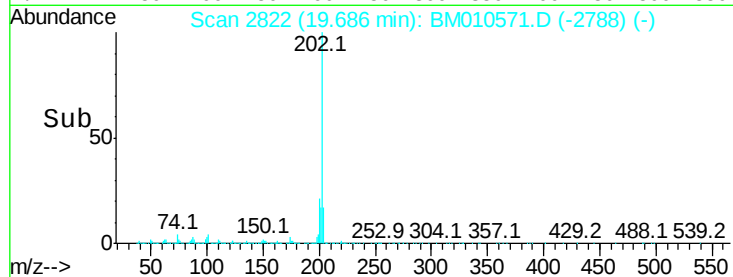
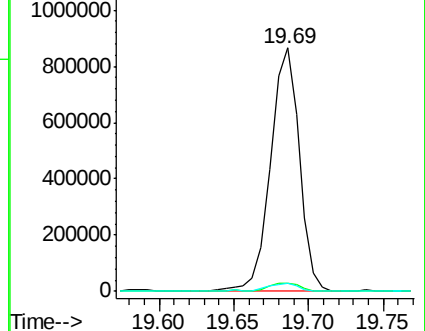
100 3.3 4.9 7.3#



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): E



#80

Benzo(a)anthracene

Concen: 15.42 ng/ul

RT: 21.42 min Scan# 3117

Delta R.T. -0.00 min

Lab File: BM010571.D

Acq: 13 Jun 2017 21:45

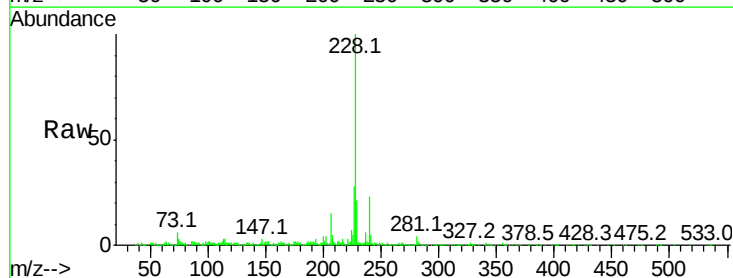
Tgt Ion:228 Resp: 770177

Ion Ratio Lower Upper

228 100

229 20.6 15.4 23.0

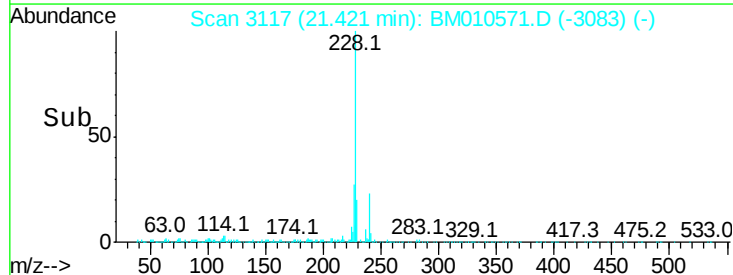
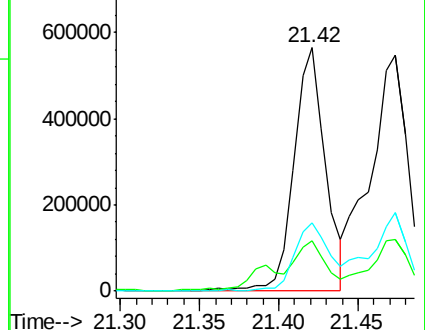
226 27.9 21.4 32.0

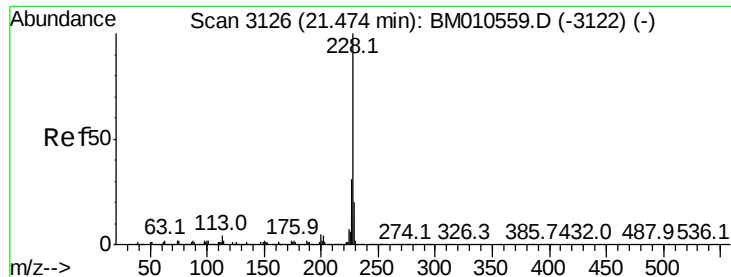


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

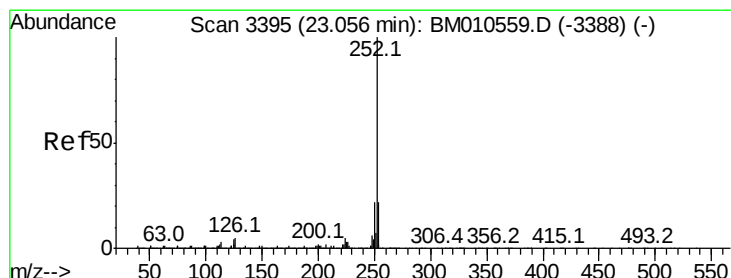
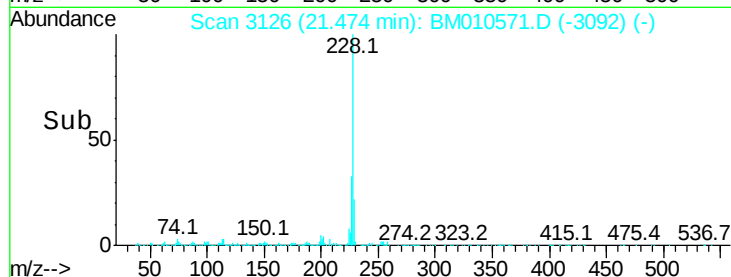
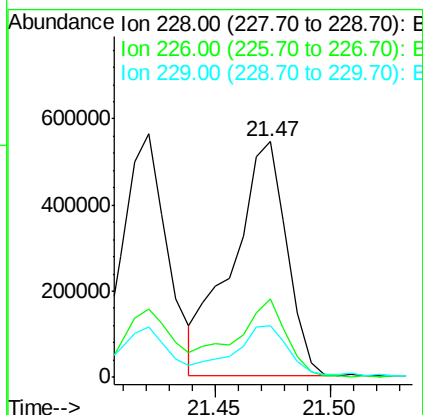
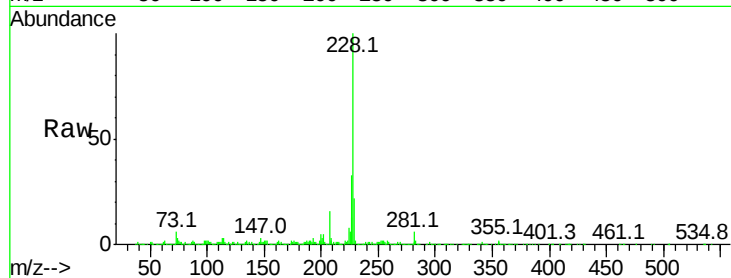




#82
Chrysene
Concen: 19.64 ng/ul
RT: 21.47 min Scan# 3126
Delta R.T. -0.00 min
Lab File: BM010571.D
Acq: 13 Jun 2017 21:45

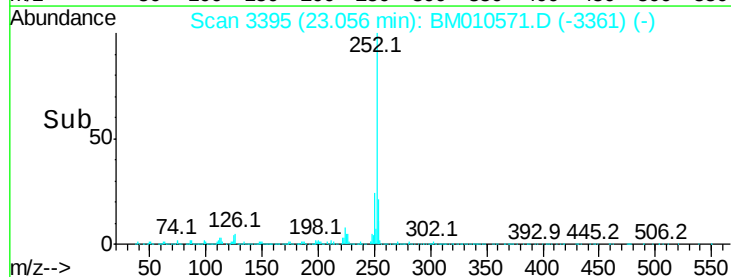
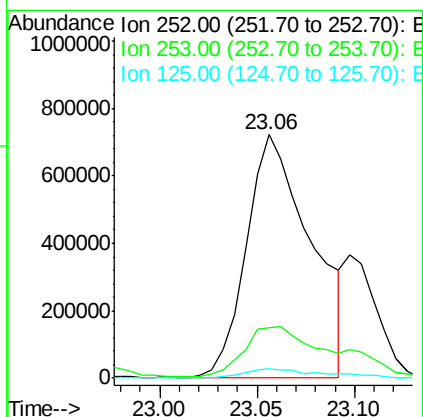
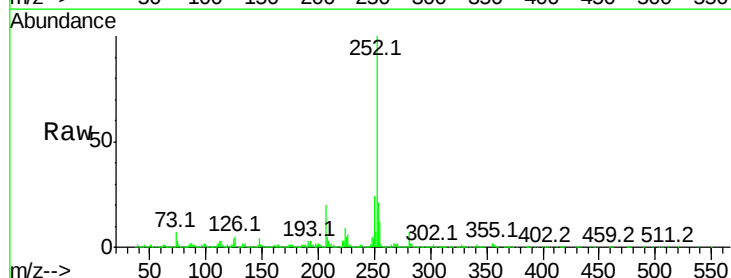
Instrument :
BNA_M
ClientSampleId :

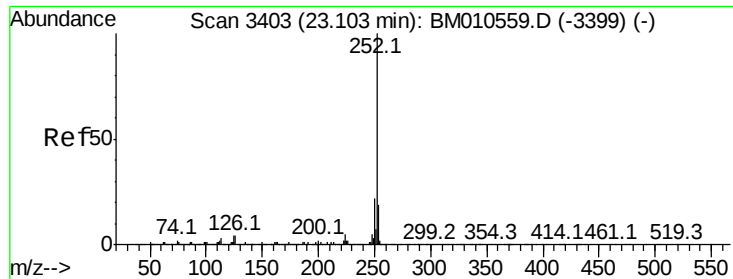
Tot Ion:228 Resp: 886648
Ion Ratio Lower Upper
228 100
226 33.5 23.4 35.2
229 22.0 15.5 23.3



#85
Benzo(b)fluoranthene
Concen: 30.71 ng/ul
RT: 23.06 min Scan# 3395
Delta R.T. -0.00 min
Lab File: BM010571.D
Acq: 13 Jun 2017 21:45

Tgt Ion:252 Resp: 1646734
Ion Ratio Lower Upper
252 100
253 20.9 17.9 26.9
125 4.1 3.6 5.4





#86

Benzo(k)fluoranthene

Concen: 32.15 ng/ul

RT: 23.06 min Scan# 3395

Delta R.T. -0.05 min

Lab File: BM010571.D

Acq: 13 Jun 2017 21:45

Instrument :

BNA_M

ClientSampled :

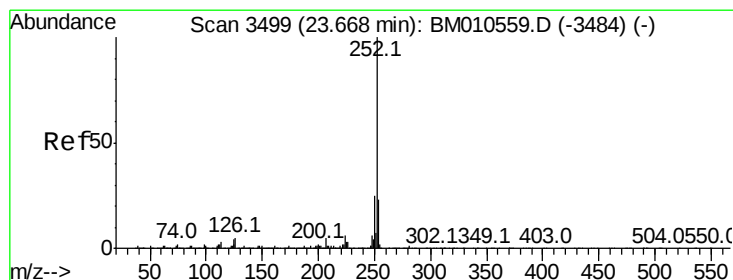
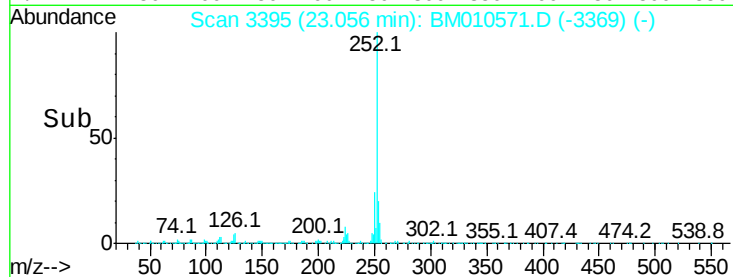
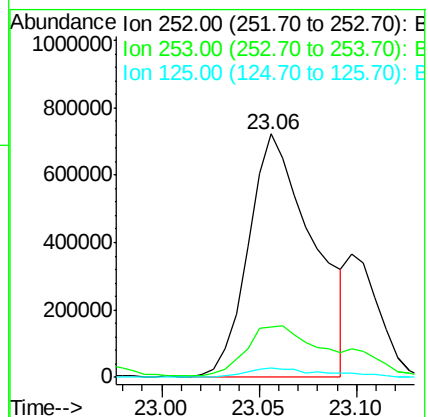
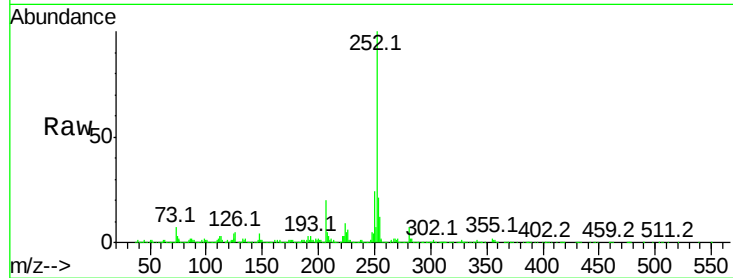
Tot Ion:252 Resp: 1646734

Ion Ratio Lower Upper

252 100

253 20.9 17.1 25.7

125 4.1 3.4 5.2



#88

Benzo(a)pyrene

Concen: 12.75 ng/ul

RT: 23.56 min Scan# 3481

Delta R.T. -0.11 min

Lab File: BM010571.D

Acq: 13 Jun 2017 21:45

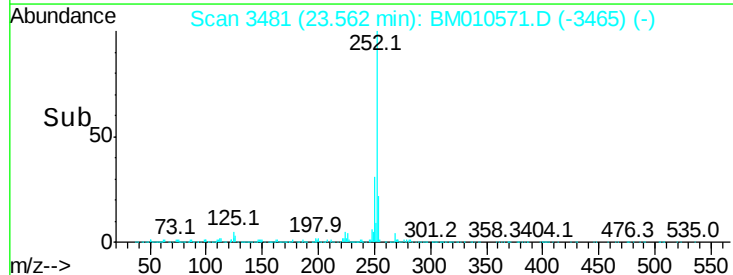
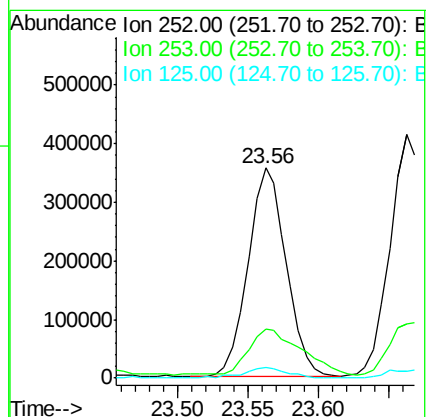
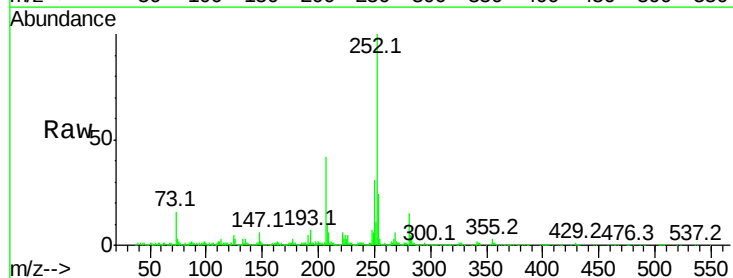
Tgt Ion:252 Resp: 677603

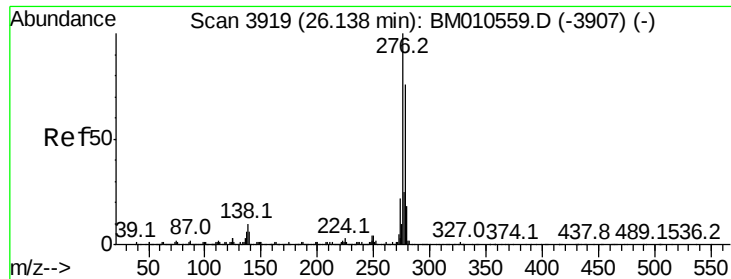
Ion Ratio Lower Upper

252 100

253 23.7 18.2 27.2

125 5.0 4.0 6.0



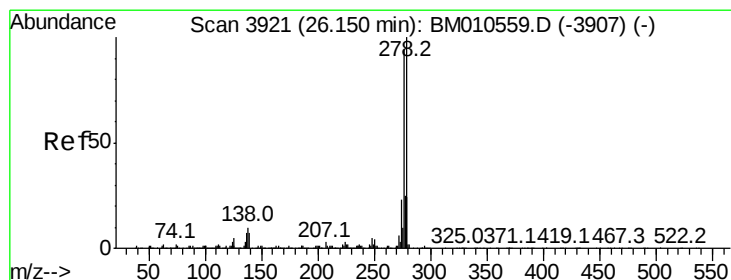
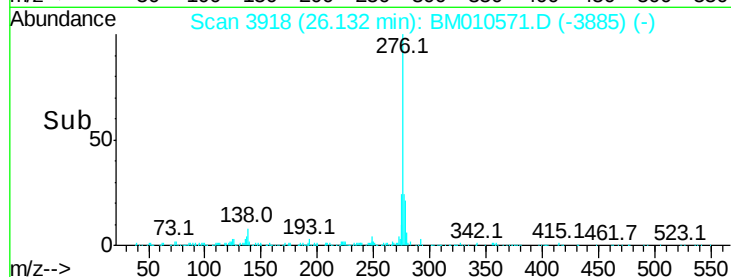
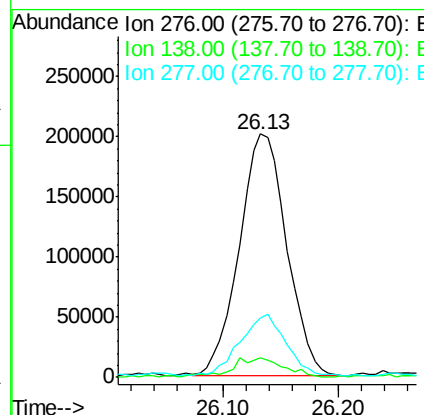
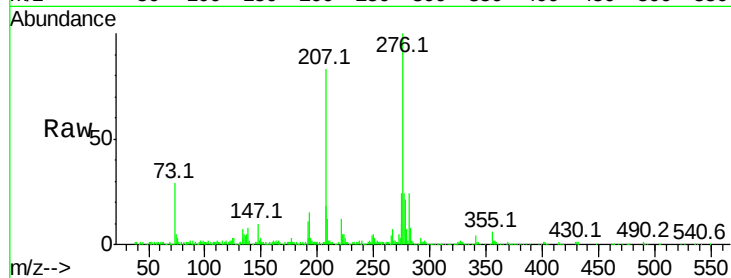


#89

Indeno(1,2,3-cd)pyrene
Concen: 8.52 ng/ul
RT: 26.13 min Scan# 3918
Delta R.T. -0.01 min
Lab File: BM010571.D
Acq: 13 Jun 2017 21:45

Instrument :
BNA_M
ClientSampleId :

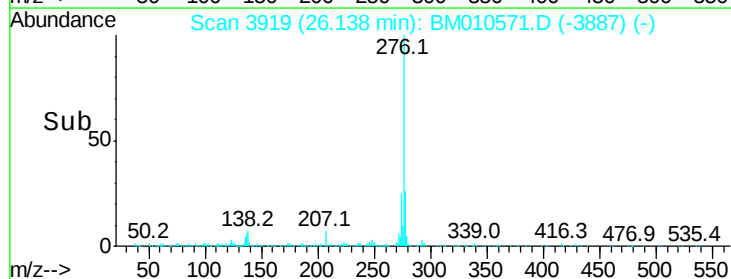
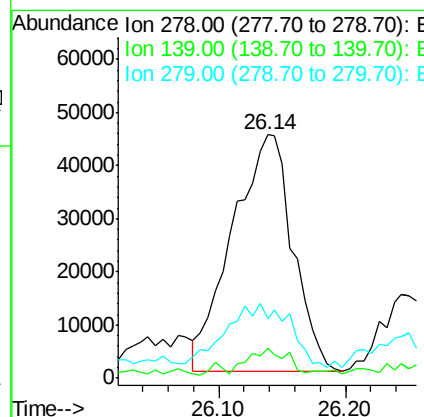
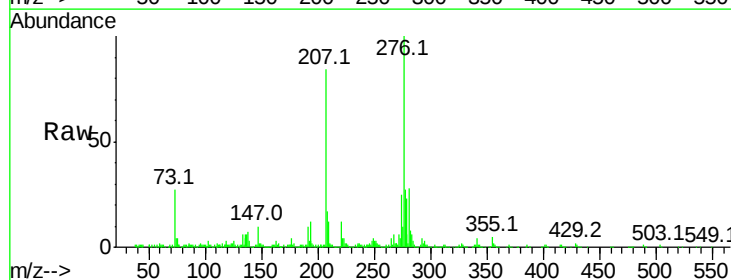
Tot Ion	Ratio	Lower	Upper
276	100		
138	8.2	9.3	13.9#
277	24.4	19.9	29.9

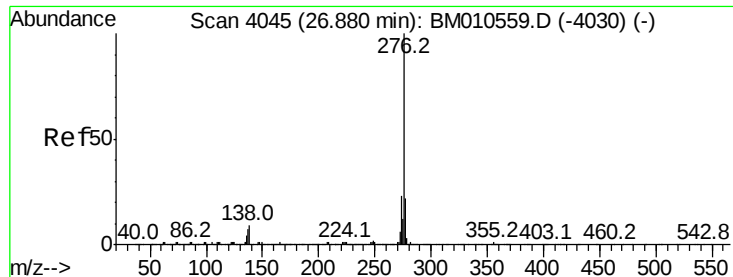


#90

Dibenzo(a,h)anthracene
Concen: 2.54 ng/ul
RT: 26.14 min Scan# 3919
Delta R.T. -0.01 min
Lab File: BM010571.D
Acq: 13 Jun 2017 21:45

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.3	5.8	8.8#
279	24.4	18.6	27.8

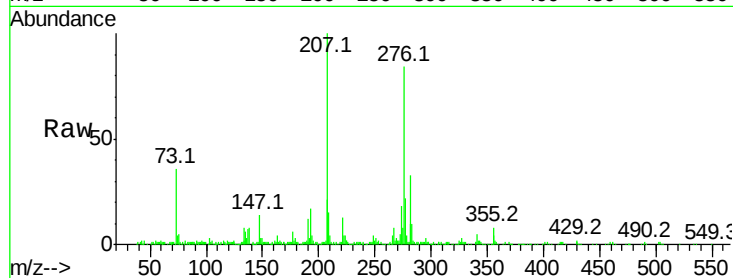




#91
 Benzo(a,h,i)perylene
 Concen: 7.60 ng/ul
 RT: 26.88 min Scan# 4045
 Delta R.T. -0.00 min
 Lab File: BM010571.D
 Acq: 13 Jun 2017 21:45

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	9.0	8.5	12.7
277	26.4	18.6	28.0



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

