

Data Path : Z:\HPCHEM1\BNA M\DATA\BM061317\
 Data File : BM010568.D
 Acq On : 13 Jun 2017 19:55
 Operator : SJ/MA
 Sample : I3558-12 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jun 14 01:49:13 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	105546	20.00	ng/ul	0.00
18) Naphthalene-d8	10.68	136	368001	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	250136	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.36	188	77338	20.00	ng/ul	0.09
75) Chrysene-d12	21.44	240	1000758	20.00	ng/ul	0.00
83) Perylene-d12	23.77	264	1056664	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.37	96	648	0.25	ng/uL	0.02
5) Phenol-d5	7.06	99	14952	1.87	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.23	67	9318	2.07	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	12955	2.03	ng/ul	0.00
13) 4-Methylphenol-d8	8.60	113	12488	1.94	ng/ul	0.00
19) Nitrobenzene-d5	9.07	128	6017	2.23	ng/ul	0.00
22) 2-Nitrophenol-d4	9.78	143	8242	2.64	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.31	165	18174	2.83	ng/ul	0.00
29) 4-Chloroaniline-d4	10.85	131	16165	2.61	ng/ul	0.00
43) Dimethylphthalate-d6	13.93	166	55965	2.69	ng/ul	0.00
46) Acenaphthylene-d8	14.22	160	56987	2.35	ng/ul	0.00
51) 4-Nitrophenol-d4	14.77	143	5936	1.91	ng/ul	0.00
57) Fluorene-d10	15.51	176	50163	2.75	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.70	200	111	0.20	ng/ul	0.05
70) Anthracene-d10	17.36	188	77338	20.55	ng/ul	0.00
76) Pyrene-d10	19.66	212	109434	2.64	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.62	264	128171	2.61	ng/ul	0.00

Target Compounds

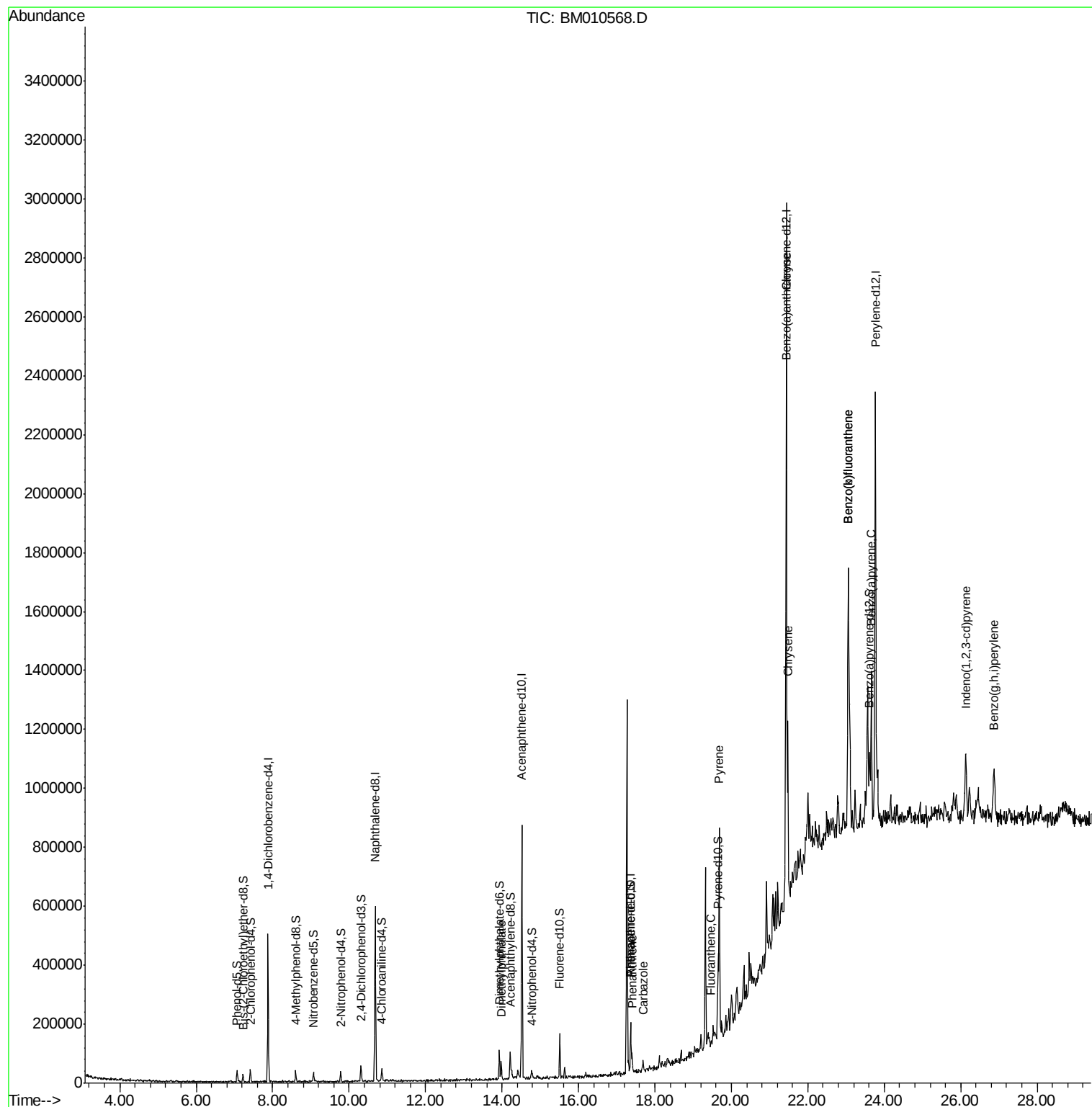
						Ovalue
44) Dimethylphthalate	13.98	163	31962	1.56	ng/ul#	98
69) Phenanthrene	17.40	178	36577	8.86	ng/ul#	92
72) Carbazole	17.69	167	15951	4.37	ng/ul	96
74) Fluoranthene	19.47	202	7838	1.54	ng/ul#	64
77) Pyrene	19.69	202	411877	7.99	ng/ul#	91
80) Benzo(a)anthracene	21.42	228	323470	5.73	ng/ul	99
82) Chrysene	21.47	228	382167	7.49	ng/ul	97
85) Benzo(b)fluoranthene	23.06	252	782955	12.73	ng/ul#	98
86) Benzo(k)fluoranthene	23.06	252	782955	13.33	ng/ul#	96
88) Benzo(a)pyrene	23.66	252	336101	5.51	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.13	276	226720	2.94	ng/ul	94
91) Benzo(g,h,i)perylene	26.88	276	170921	2.69	ng/ul	96

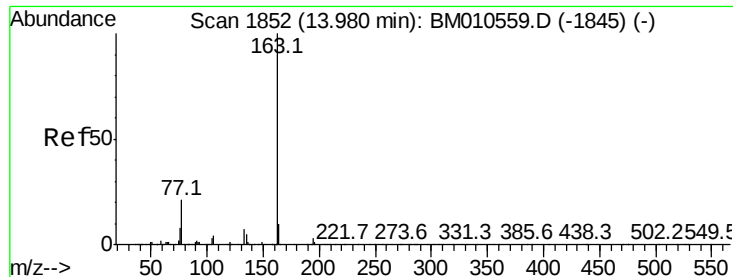
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 14 01:46:30 2017
Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 1.56 ng/ul

RT: 13.98 min Scan# 1852

Delta R.T. 0.00 min

Lab File: BM010568.D

Acq: 13 Jun 2017 19:55

Instrument :

BNA_M

ClientSampleId :

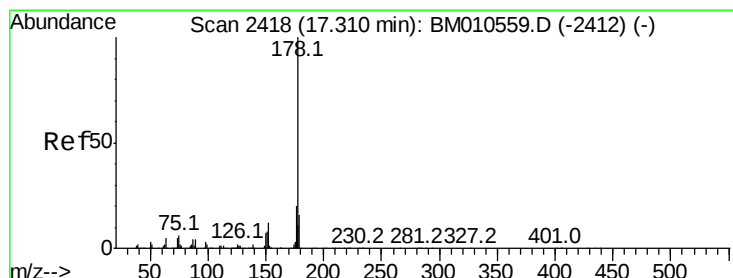
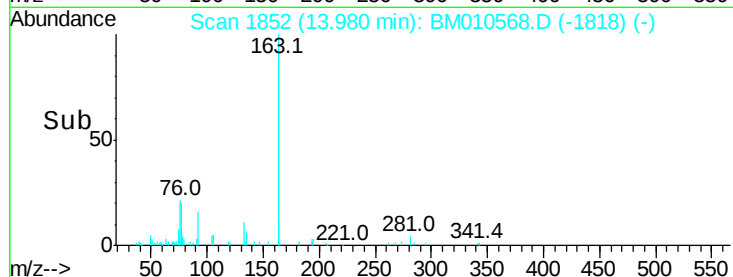
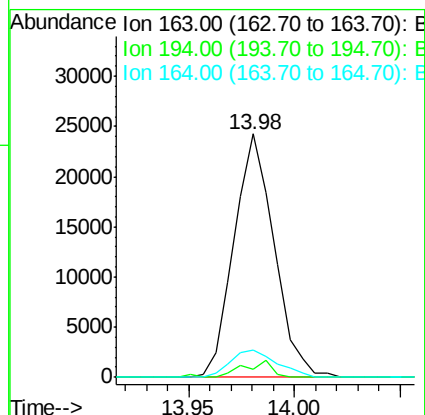
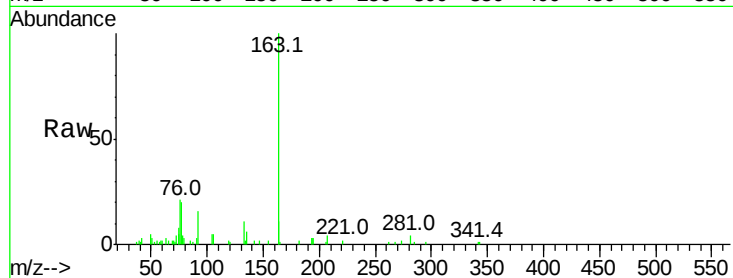
Tot Ion:163 Resp: 31962

Ion Ratio Lower Upper

163 100

194 3.1 3.5 5.3#

164 11.0 8.2 12.4



#69

Phenanthrene

Concen: 8.86 ng/ul

RT: 17.40 min Scan# 2433

Delta R.T. 0.09 min

Lab File: BM010568.D

Acq: 13 Jun 2017 19:55

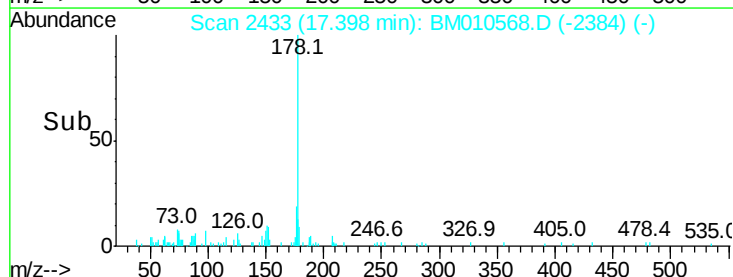
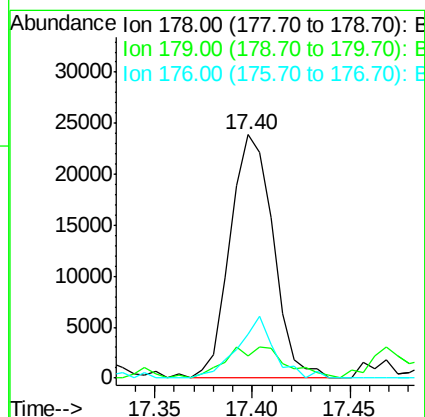
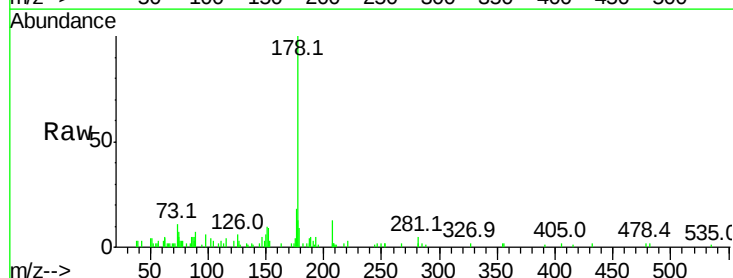
Tgt Ion:178 Resp: 36577

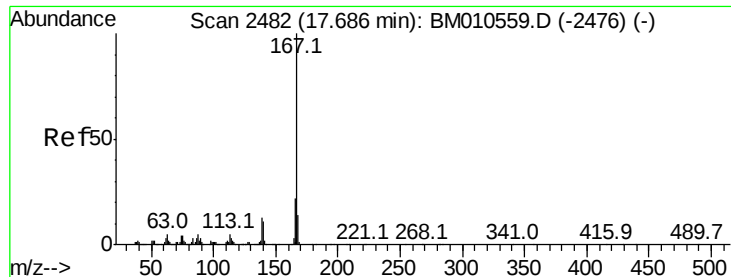
Ion Ratio Lower Upper

178 100

179 9.0 12.6 19.0#

176 18.2 14.9 22.3





#72

Carbazole

Concen: 4.37 ng/ul

RT: 17.69 min Scan# 2482

Delta R.T. 0.00 min

Lab File: BM010568.D

Acq: 13 Jun 2017 19:55

Instrument :

BNA_M

ClientSampleId :

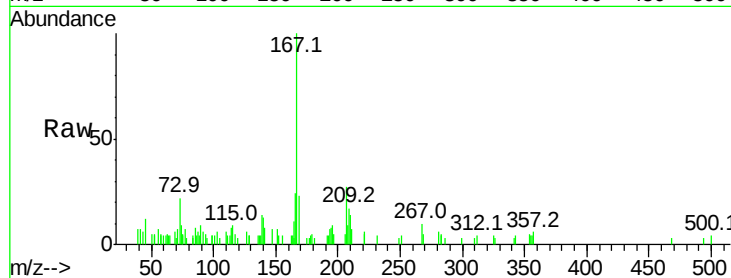
Tot Ion:167 Resp: 15951

Ion Ratio Lower Upper

167 100

166 23.6 17.1 25.7

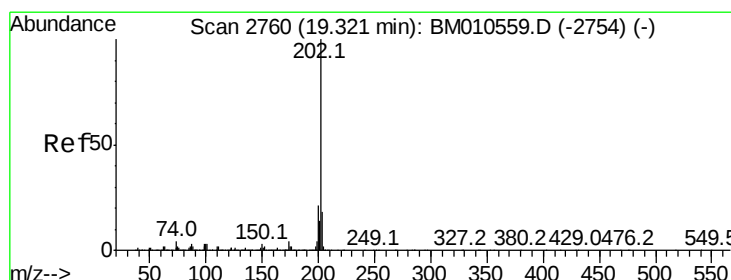
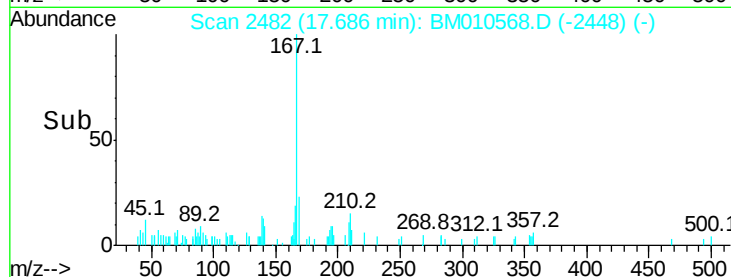
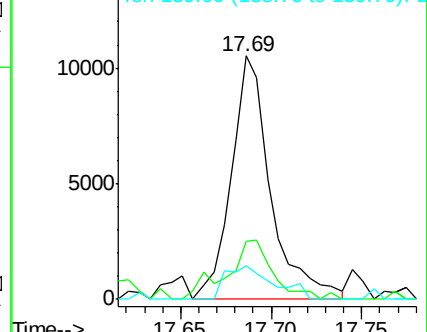
139 13.7 10.0 15.0



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: 1.54 ng/ul

RT: 19.47 min Scan# 2785

Delta R.T. 0.15 min

Lab File: BM010568.D

Acq: 13 Jun 2017 19:55

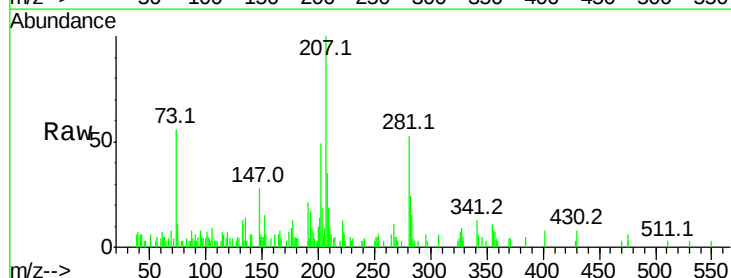
Tgt Ion:202 Resp: 7838

Ion Ratio Lower Upper

202 100

101 23.6 4.6 7.0#

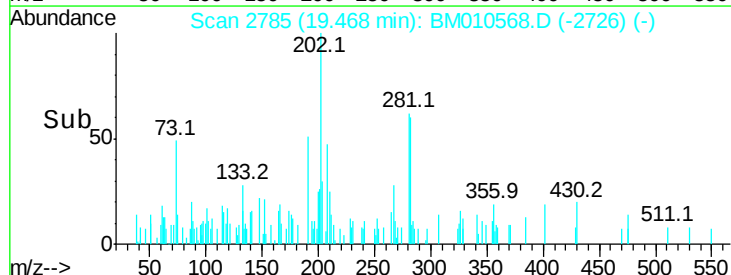
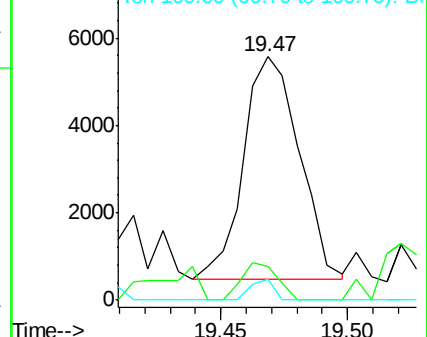
100 8.7 3.4 5.2#

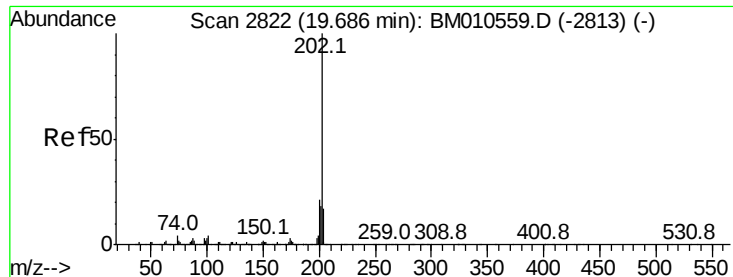


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pvrene

Concen: 7.99 ng/ul

RT: 19.69 min Scan# 2822

Delta R.T. 0.00 min

Lab File: BM010568.D

Acq: 13 Jun 2017 19:55

Instrument :

BNA_M

ClientSampleId :

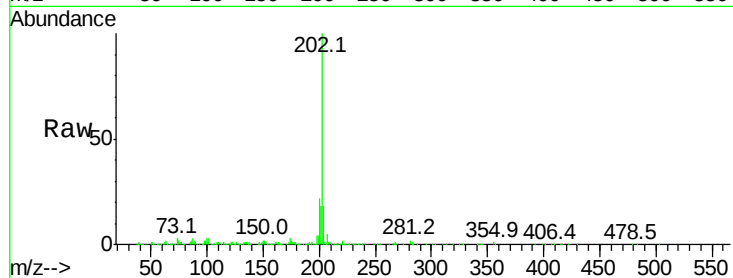
Tot Ion:202 Resp: 411877

Ion Ratio Lower Upper

202 100

101 3.1 5.1 7.7#

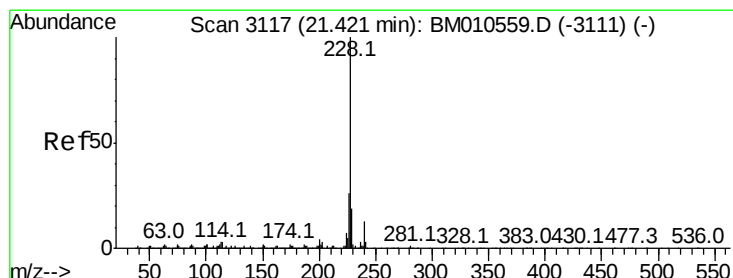
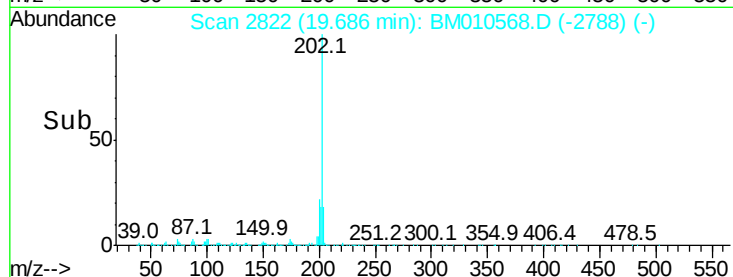
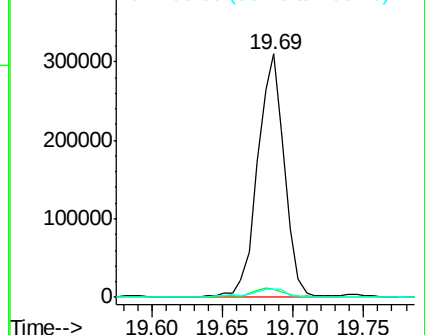
100 3.3 4.9 7.3#



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: 5.73 ng/ul

RT: 21.42 min Scan# 3117

Delta R.T. 0.00 min

Lab File: BM010568.D

Acq: 13 Jun 2017 19:55

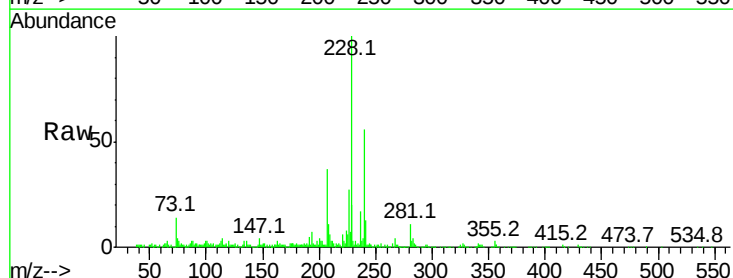
Tgt Ion:228 Resp: 323470

Ion Ratio Lower Upper

228 100

229 19.9 15.4 23.0

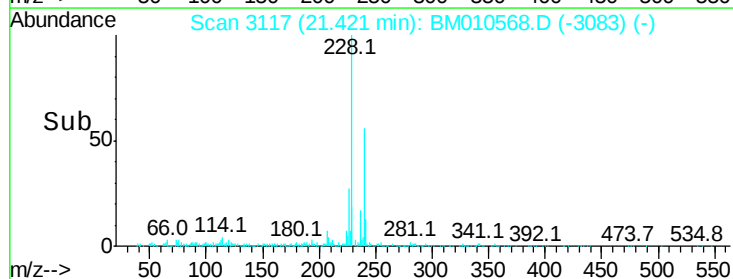
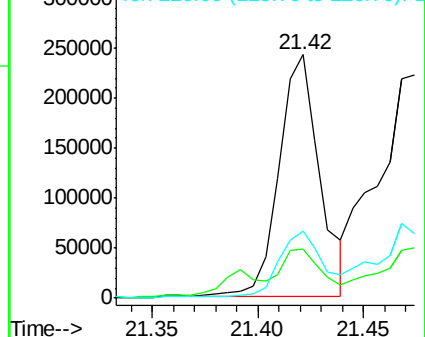
226 27.3 21.4 32.0

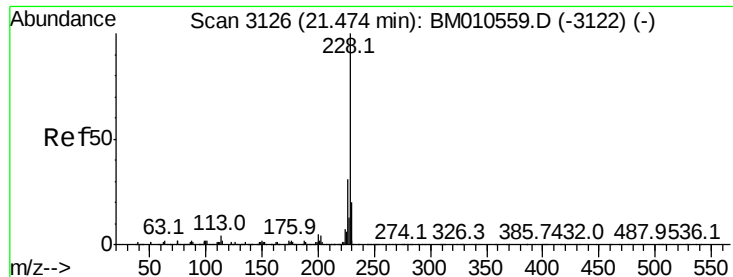


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

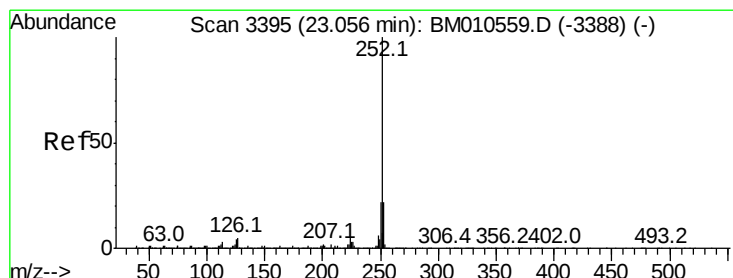
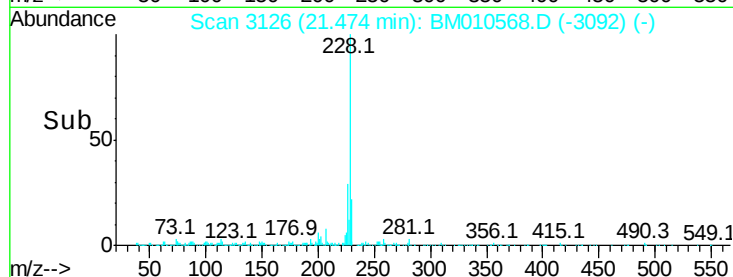
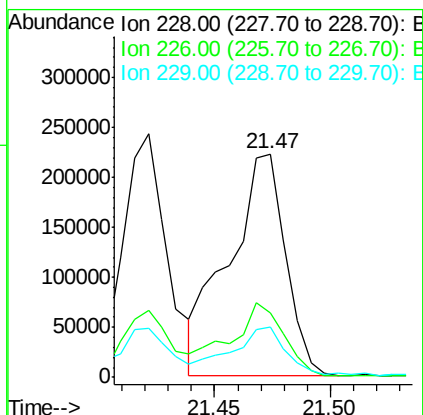
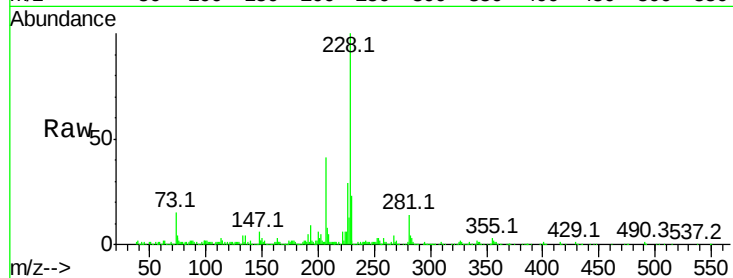




#82
 Chrysene
 Concen: 7.49 ng/ul
 RT: 21.47 min Scan# 3126
 Delta R.T. 0.00 min
 Lab File: BM010568.D
 Acq: 13 Jun 2017 19:55

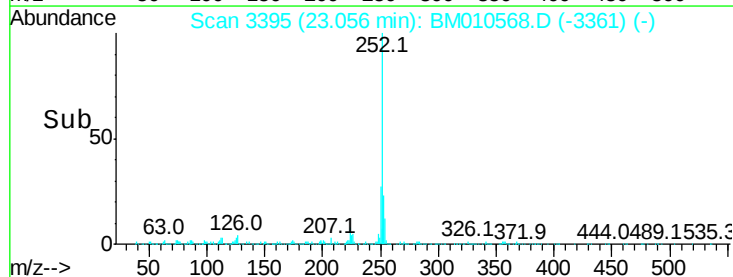
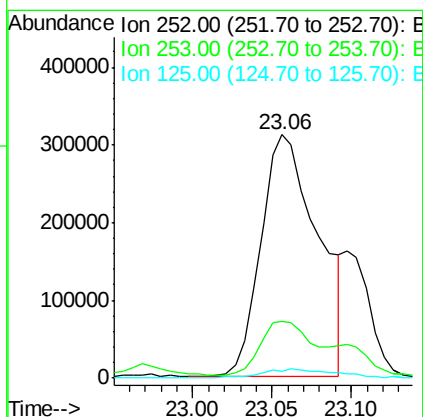
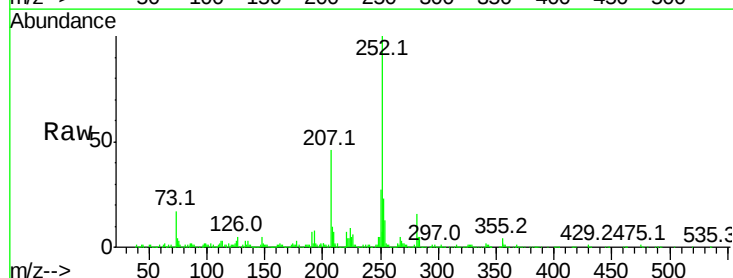
Instrument :
 BNA_M
 ClientSampleId :

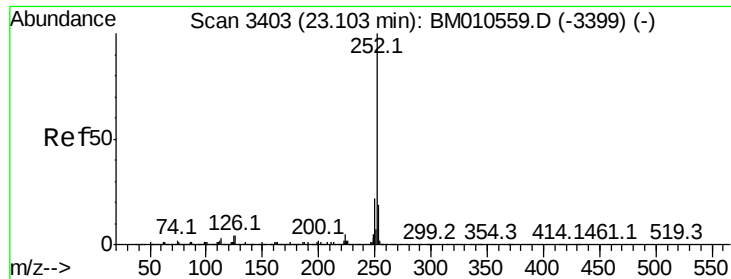
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.4	35.2
229	22.6	15.5	23.3



#85
 Benzo(b)fluoranthene
 Concen: 12.73 ng/ul
 RT: 23.06 min Scan# 3395
 Delta R.T. 0.00 min
 Lab File: BM010568.D
 Acq: 13 Jun 2017 19:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	3.0	3.6	5.4





#86

Benzo(k)fluoranthene

Concen: 13.33 ng/ul

RT: 23.06 min Scan# 3395

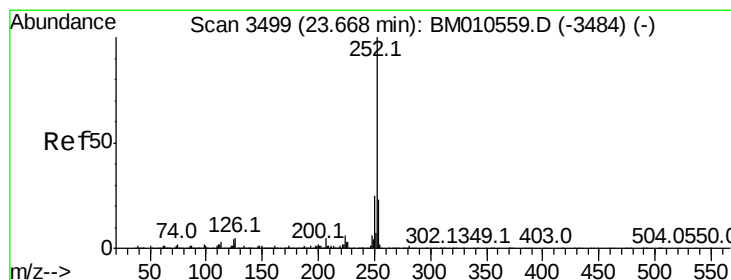
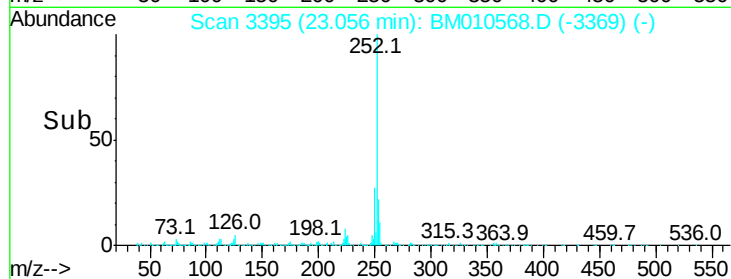
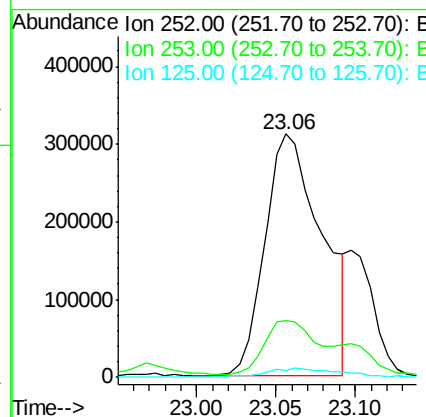
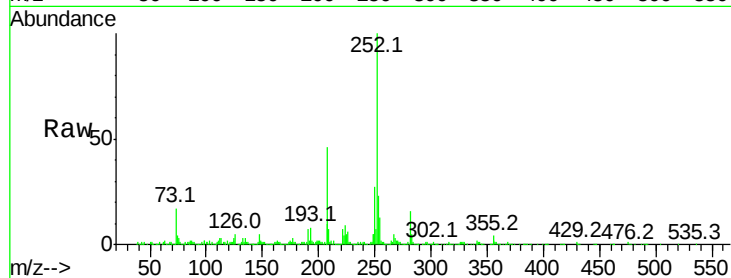
Delta R.T. -0.05 min

Lab File: BM010568.D

Acq: 13 Jun 2017 19:55

Instrument :
BNA_M
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	3.0	3.4	5.2



#88

Benzo(a)pyrene

Concen: 5.51 ng/ul

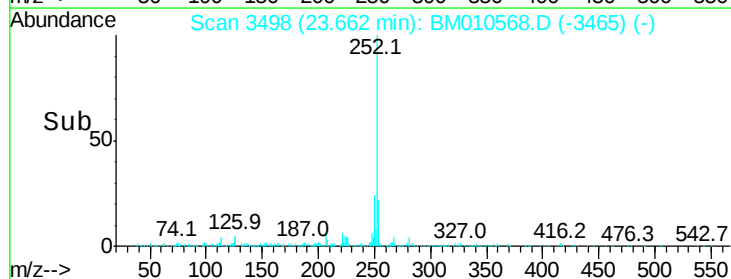
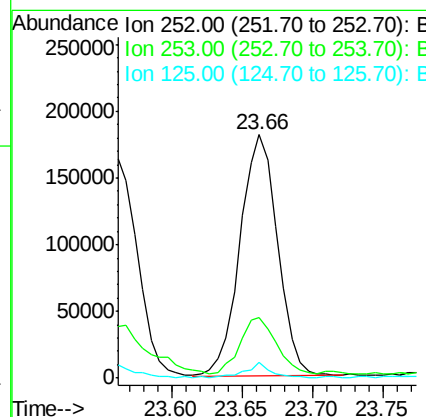
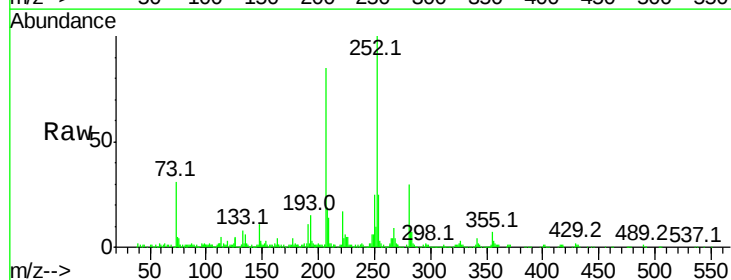
RT: 23.66 min Scan# 3498

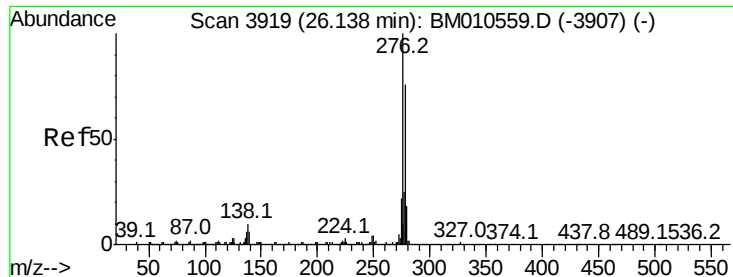
Delta R.T. -0.01 min

Lab File: BM010568.D

Acq: 13 Jun 2017 19:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.2	27.2
125	6.3	4.0	6.0

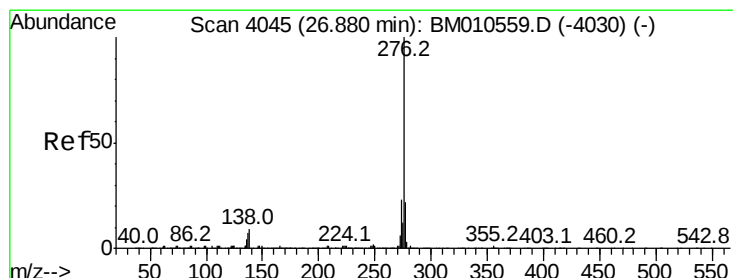
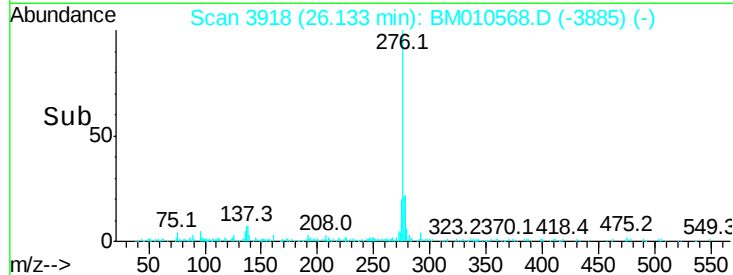
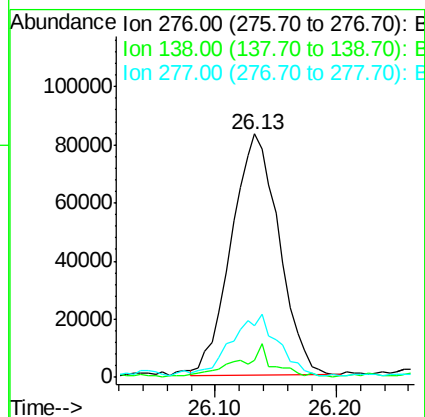
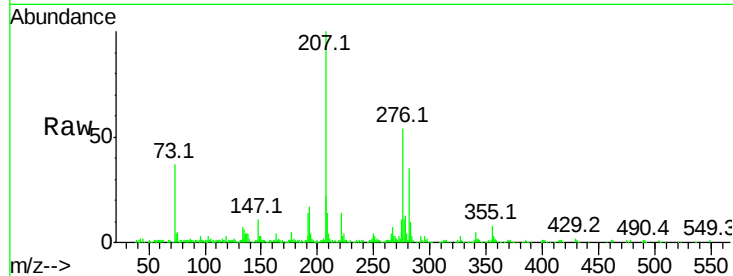




#89
 Indeno(1,2,3-cd)pyrene
 Concen: 2.94 ng/ul
 RT: 26.13 min Scan# 3918
 Delta R.T. -0.01 min
 Lab File: BM010568.D
 Acq: 13 Jun 2017 19:55

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:	276	Resp:	226720
Ion	Ratio	Lower	Upper
276	100		
138	11.0	9.3	13.9
277	20.9	19.9	29.9



#91
 Benzo(g,h,i)perylene
 Concen: 2.69 ng/ul
 RT: 26.88 min Scan# 4045
 Delta R.T. 0.00 min
 Lab File: BM010568.D
 Acq: 13 Jun 2017 19:55

Tgt Ion:	276	Resp:	170921
Ion	Ratio	Lower	Upper
276	100		
138	8.8	8.5	12.7
277	24.8	18.6	28.0

