

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121317\
 Data File : BM013398.D
 Acq On : 14 Dec 2017 05:41
 Operator : SJ/JU
 Sample : I6759-04DL 10X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 14 06:43:53 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 14 06:00:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	136896	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	588675	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	373822	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	944792	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	1191241	20.00	ng/ul	0.00
83) Perylene-d12	23.49	264	1090599	20.00	ng/ul	0.00

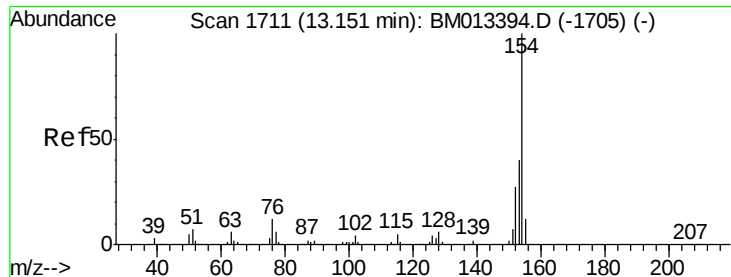
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	2199	0.80	ng/uL	0.00
5) Phenol-d5	6.86	99	33484	2.83	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	20668	3.06	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	26106	2.82	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	28662	2.83	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	15796	3.38	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	13959	2.79	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	30349	2.95	ng/ul	0.00
29) 4-Chloroaniline-d4	10.61	131	38468	4.07	ng/ul	0.00
43) Dimethylphthalate-d6	13.74	166	119362	3.59	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	140504	3.42	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	9145	1.58	ng/ul	0.00
57) Fluorene-d10	15.32	176	101755	3.56	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	8490	1.43	ng/ul	0.00
70) Anthracene-d10	17.17	188	175205	3.70	ng/ul	0.00
76) Pyrene-d10	19.47	212	214745	3.62	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	192254	3.46	ng/ul	0.00

Target Compounds

					Ovalue	
40) 1,1'-Biophenyl	13.15	154	181743	5.753	ng/ul	99
49) Acenaphthene	14.39	153	1078693	41.683	ng/ul	98
53) Dibenzofuran	14.72	168	995963	26.070	ng/ul	97
58) Fluorene	15.37	166	951990	30.122	ng/ul	97
60) 4-Nitroaniline	15.37	138	10762	1.573	ng/ul#	12
69) Phenanthrene	17.12	178	4934950	91.941	ng/ul	100
71) Anthracene	17.20	178	593010	10.809	ng/ul	97
72) Carbazole	17.48	167	178617	3.785	ng/ul	97
74) Fluoranthene	19.14	202	3634950	55.261	ng/ul#	94
77) Pyrene	19.50	202	2520950	34.834	ng/ul#	92
80) Benzo(a)anthracene	21.24	228	563429	7.455	ng/ul	98
82) Chrysene	21.30	228	628476	8.963	ng/ul	99
85) Benzo(b)fluoranthene	22.82	252	246249	3.349	ng/ul#	97
86) Benzo(k)fluoranthene	22.82	252	246249	3.559	ng/ul#	95
88) Benzo(a)pyrene	23.39	252	137896	2.088	ng/ul#	98

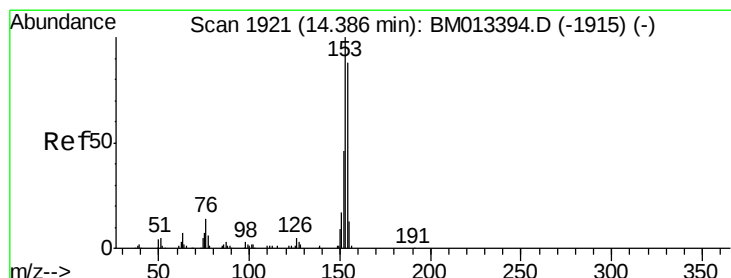
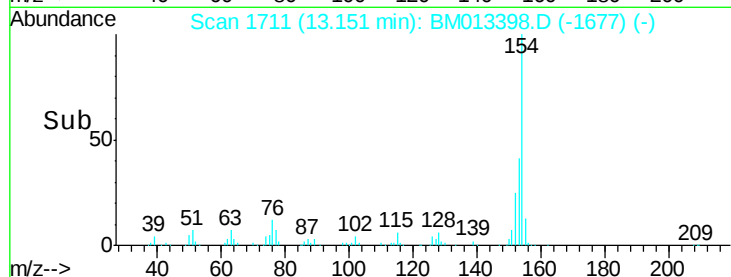
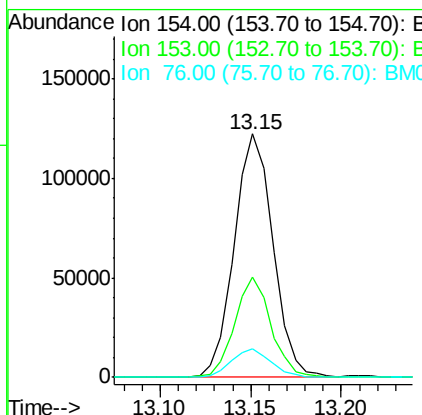
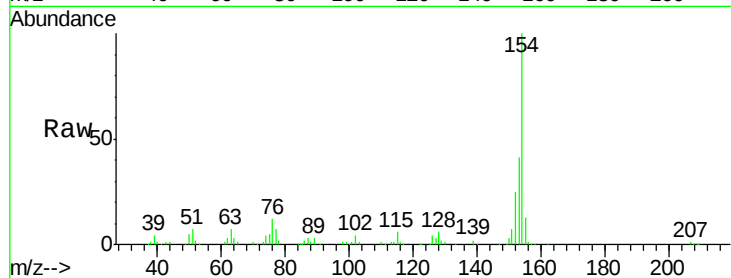
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#40
 1,1'-Biphenyl
 Concen: 5.753 ng/ul
 RT: 13.15 min Scan# 1711
 Delta R.T. 0.00 min
 Lab File: BM013398.D
 Acq: 14 Dec 2017 05:41

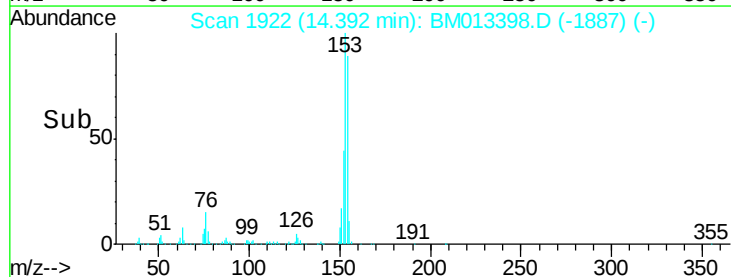
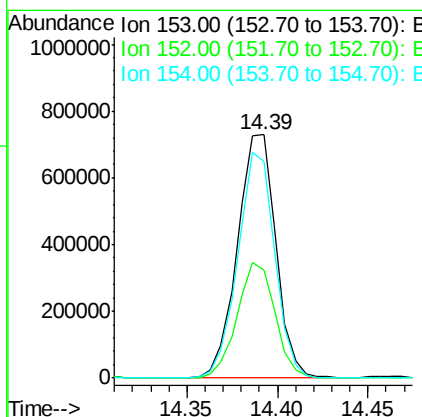
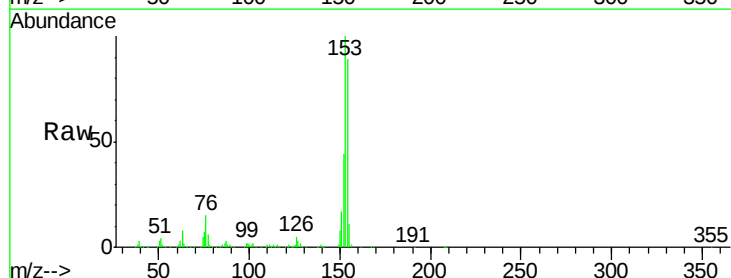
Instrument :
 BNA_M
 ClientSampleId :

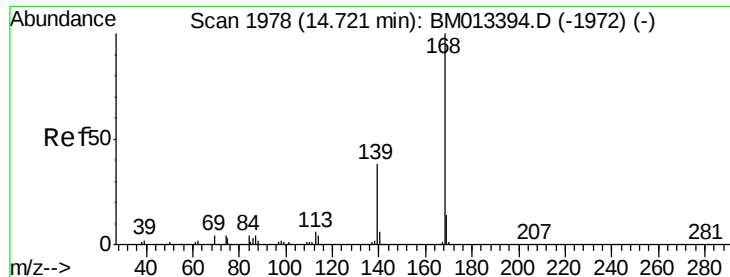
Tot Ion	Ratio	Lower	Upper
154	100		
153	41.0	32.6	48.8
76	11.8	8.5	12.7



#49
 Acenaphthene
 Concen: 41.683 ng/ul
 RT: 14.39 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: BM013398.D
 Acq: 14 Dec 2017 05:41

Tgt Ion	Ratio	Lower	Upper
153	100		
152	44.3	37.6	56.4
154	88.8	70.4	105.6





#53

Dibenzofuran

Concen: 26.070 ng/ul

RT: 14.72 min Scan# 1978

Delta R.T. 0.00 min

Lab File: BM013398.D

Acq: 14 Dec 2017 05:41

Instrument :

BNA_M

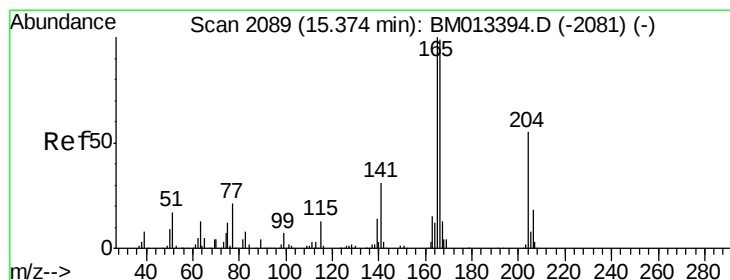
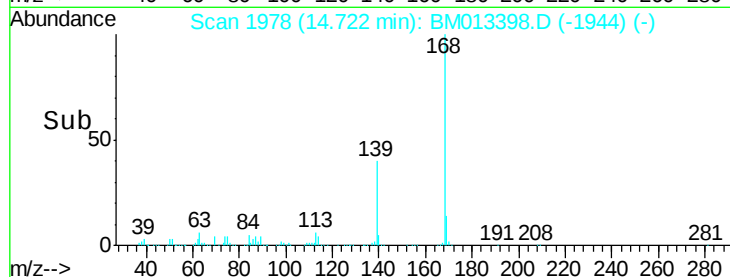
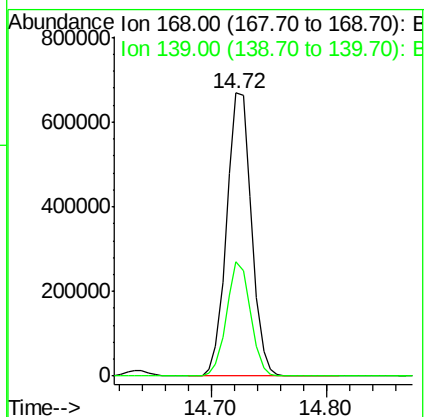
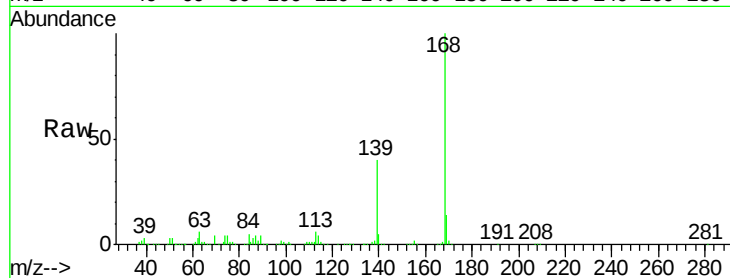
ClientSampleId :

Tot Ion:168 Resp: 995963

Ion Ratio Lower Upper

168 100

139 40.3 30.8 46.2



#58

Fluorene

Concen: 30.122 ng/ul

RT: 15.37 min Scan# 2089

Delta R.T. 0.00 min

Lab File: BM013398.D

Acq: 14 Dec 2017 05:41

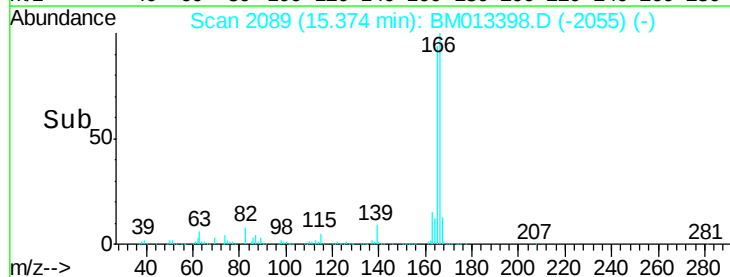
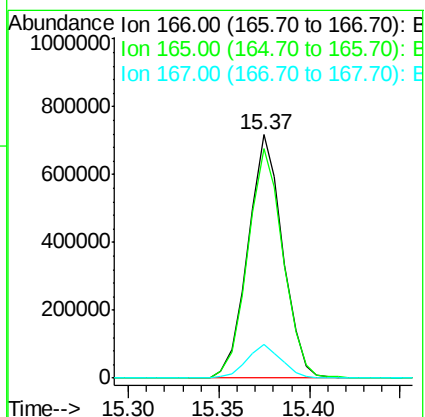
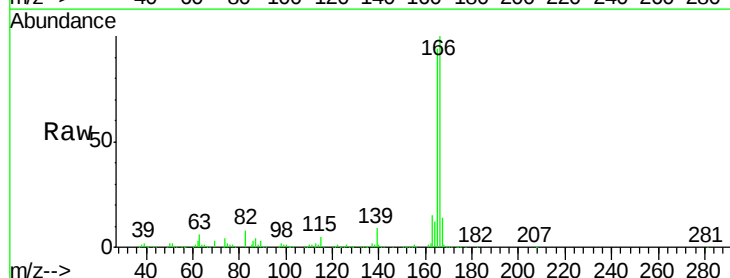
Tgt Ion:166 Resp: 951990

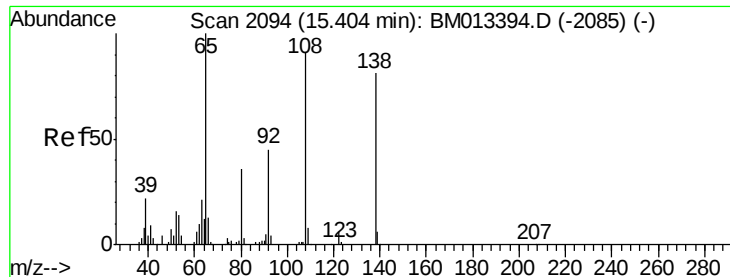
Ion Ratio Lower Upper

166 100

165 94.4 77.9 116.9

167 13.7 10.6 16.0





#60

4-Nitroaniline

Concen: 1.573 ng/ul

RT: 15.37 min Scan# 2089

Delta R.T. -0.03 min

Lab File: BM013398.D

Acq: 14 Dec 2017 05:41

Instrument :

BNA_M

ClientSampled :

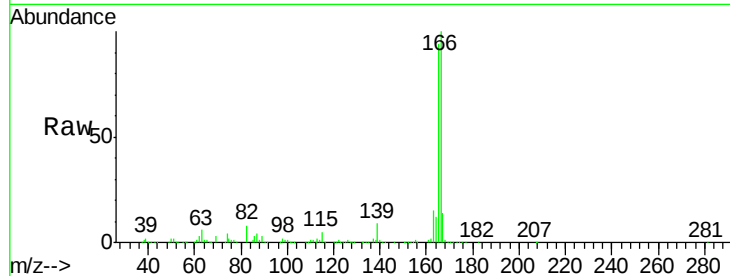
Tot Ion:138 Resp: 10762

Ion Ratio Lower Upper

138 100

92 0.0 40.0 60.0#

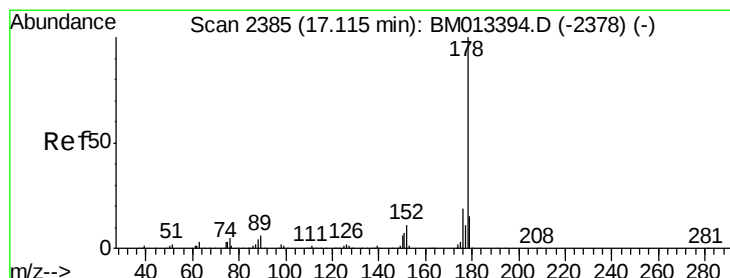
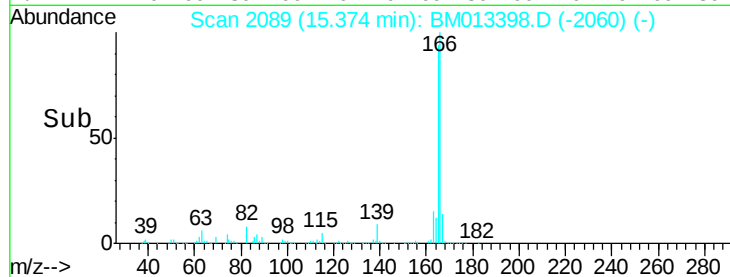
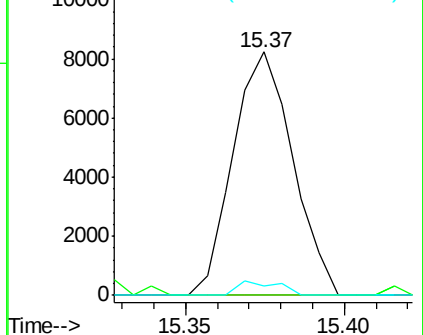
108 4.1 80.0 120.0#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E



#69

Phenanthrene

Concen: 91.941 ng/ul

RT: 17.12 min Scan# 2386

Delta R.T. 0.01 min

Lab File: BM013398.D

Acq: 14 Dec 2017 05:41

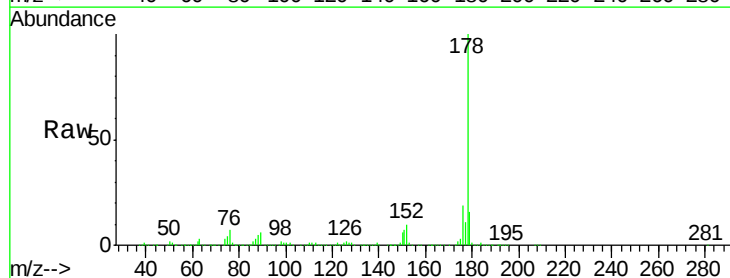
Tgt Ion:178 Resp: 4934950

Ion Ratio Lower Upper

178 100

179 15.7 12.6 19.0

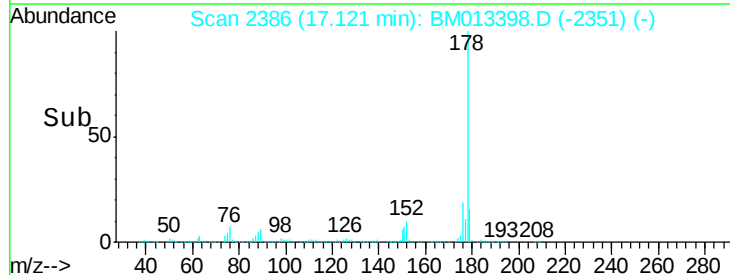
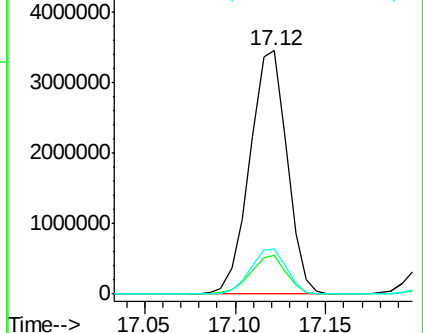
176 18.8 14.9 22.3

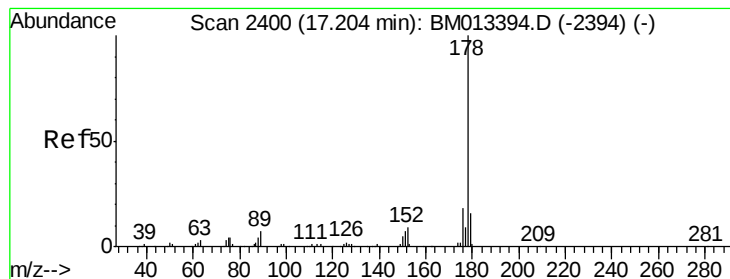


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 10.809 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BM013398.D

Acq: 14 Dec 2017 05:41

Instrument :

BNA_M

ClientSampleId :

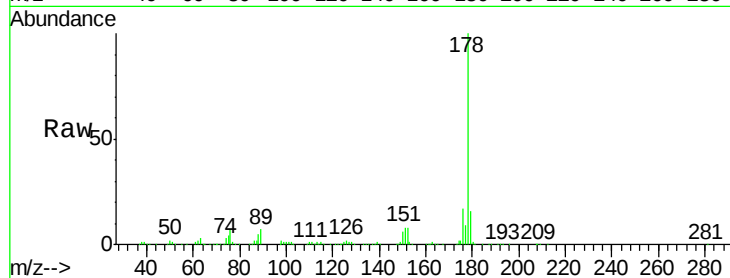
Tot Ion:178 Resp: 593010

Ion Ratio Lower Upper

178 100

179 16.1 11.7 17.5

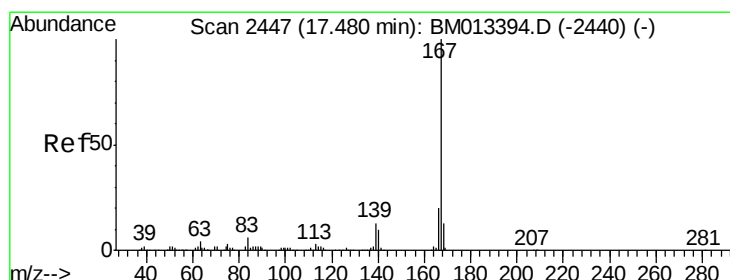
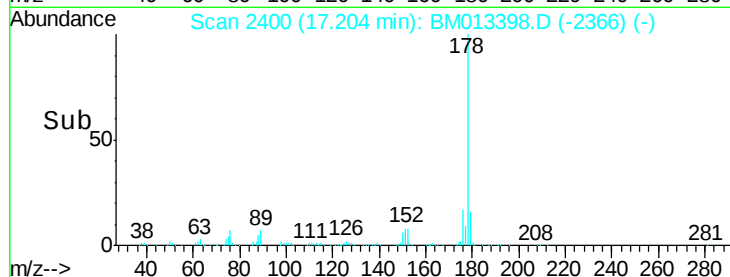
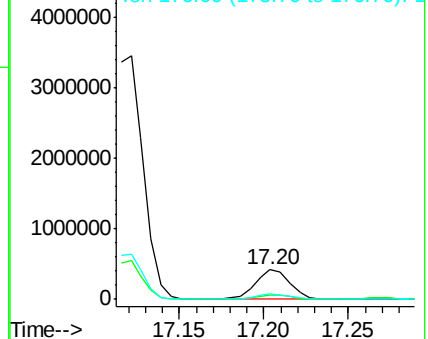
176 17.0 14.6 21.8



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



#72

Carbazole

Concen: 3.785 ng/ul

RT: 17.48 min Scan# 2447

Delta R.T. 0.00 min

Lab File: BM013398.D

Acq: 14 Dec 2017 05:41

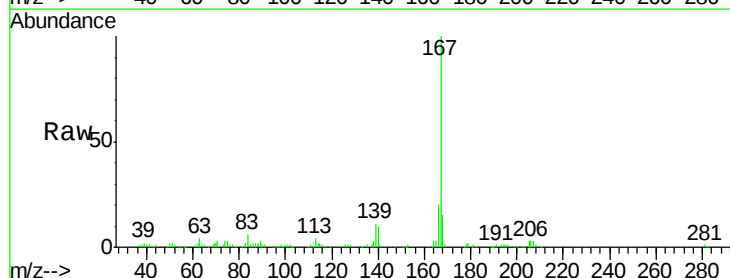
Tgt Ion:167 Resp: 178617

Ion Ratio Lower Upper

167 100

166 20.2 17.1 25.7

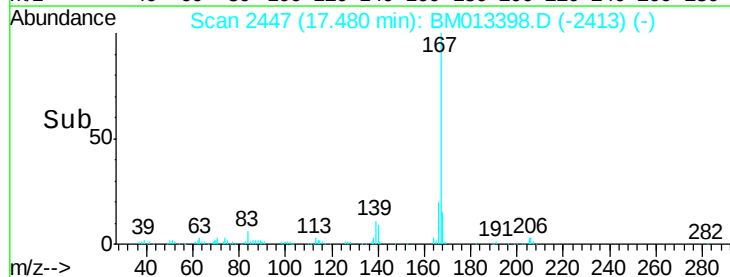
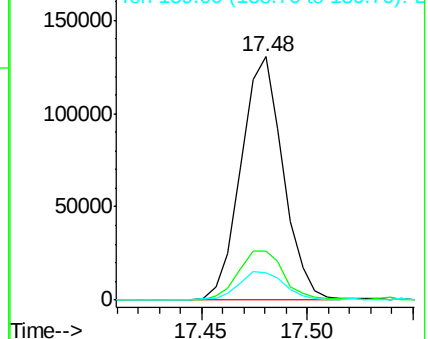
139 11.0 10.0 15.0

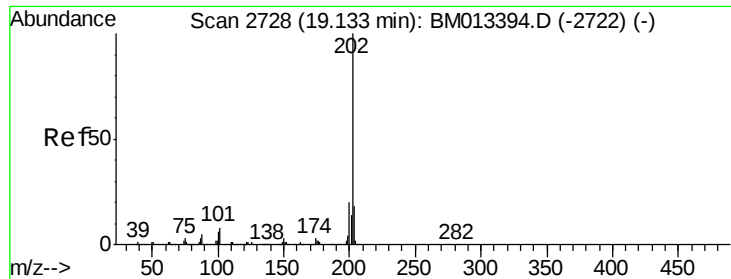


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

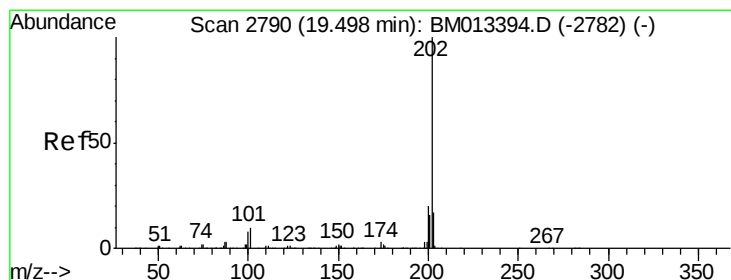
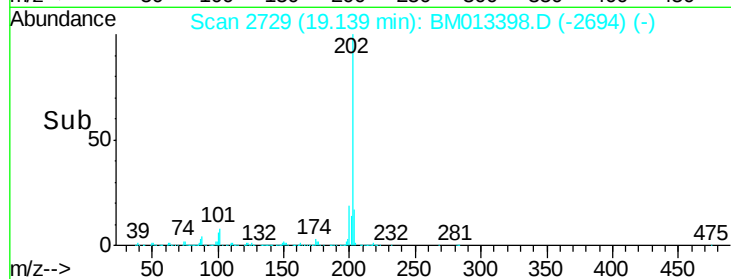
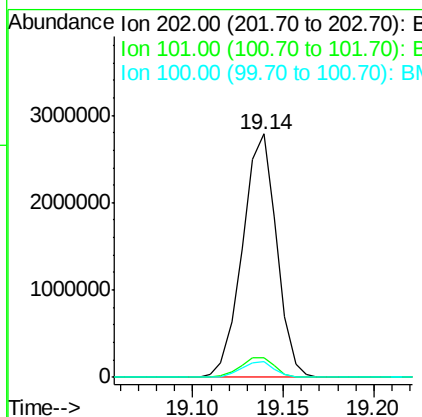
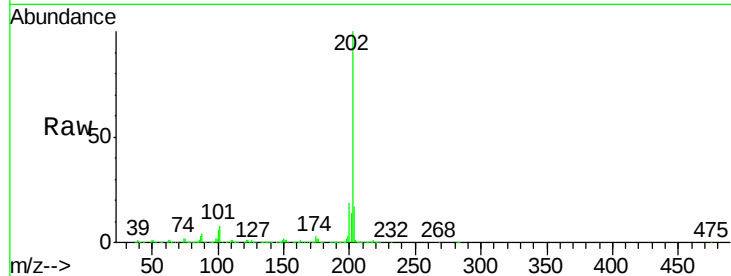




#74
 Fluoranthene
 Concen: 55.261 ng/ul
 RT: 19.14 min Scan# 2729
 Delta R.T. 0.01 min
 Lab File: BM013398.D
 Acq: 14 Dec 2017 05:41

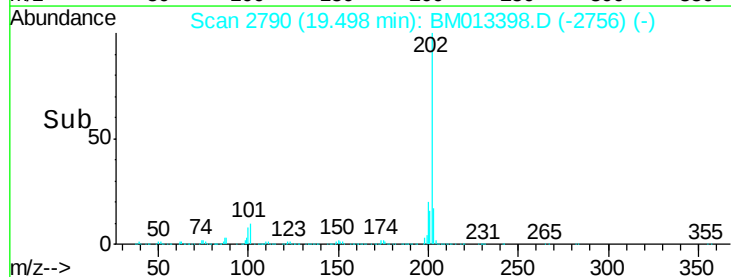
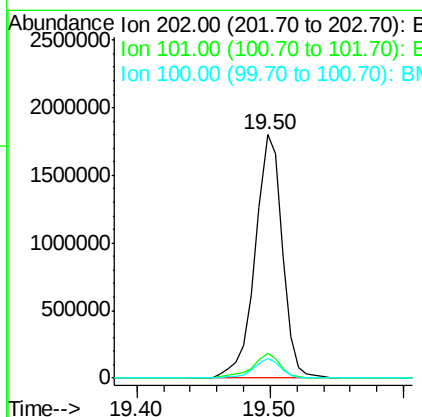
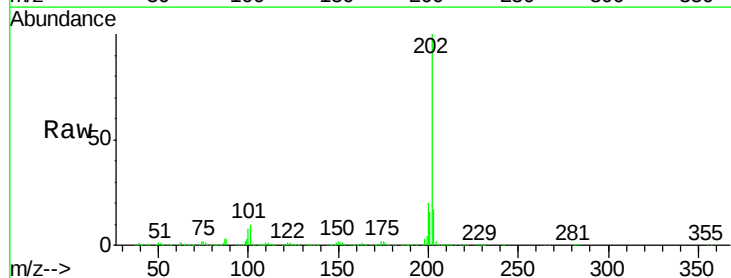
Instrument :
 BNA_M
 ClientSampleId :

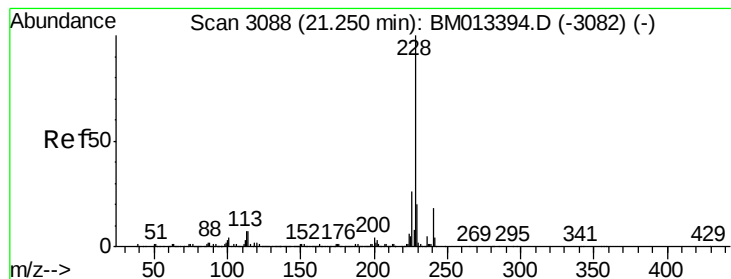
Tot Ion:202 Resp: 3634950
 Ion Ratio Lower Upper
 202 100
 101 8.0 4.6 7.0#
 100 6.4 3.4 5.2#



#77
 Pyrene
 Concen: 34.834 ng/ul
 RT: 19.50 min Scan# 2790
 Delta R.T. 0.00 min
 Lab File: BM013398.D
 Acq: 14 Dec 2017 05:41

Tgt Ion:202 Resp: 2520950
 Ion Ratio Lower Upper
 202 100
 101 10.0 5.1 7.7#
 100 7.9 4.9 7.3#





#80

Benzo(a)anthracene

Concen: 7.455 ng/ul

RT: 21.24 min Scan# 3087

Delta R.T. -0.01 min

Lab File: BM013398.D

Acq: 14 Dec 2017 05:41

Instrument :

BNA_M

ClientSampleId :

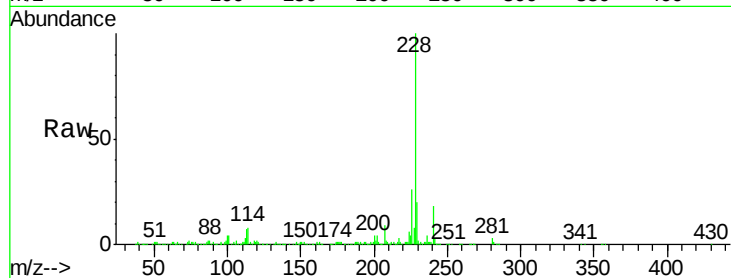
Tot Ion:228 Resp: 563429

Ion Ratio Lower Upper

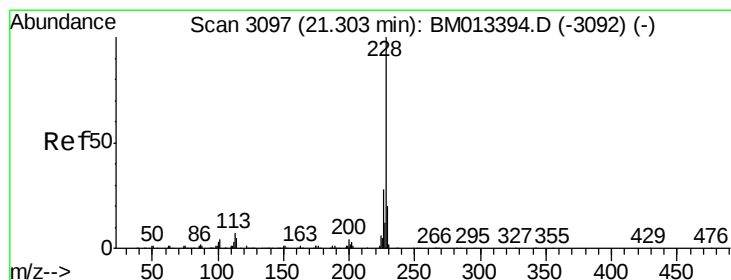
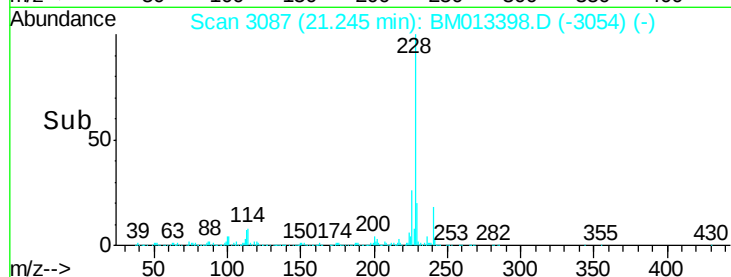
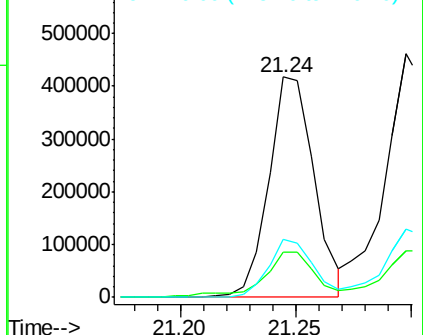
228 100

229 20.4 15.4 23.0

226 26.2 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: 8.963 ng/ul

RT: 21.30 min Scan# 3096

Delta R.T. -0.01 min

Lab File: BM013398.D

Acq: 14 Dec 2017 05:41

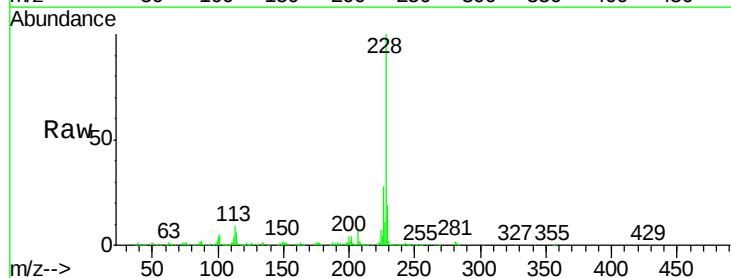
Tgt Ion:228 Resp: 628476

Ion Ratio Lower Upper

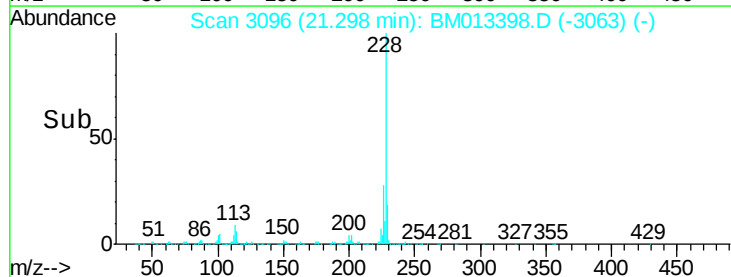
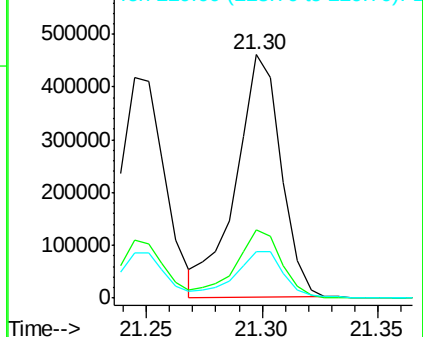
228 100

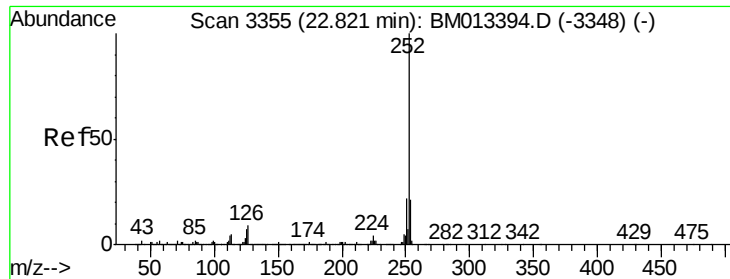
226 28.3 23.4 35.2

229 19.1 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: 3.349 ng/ul

RT: 22.82 min Scan# 3355

Delta R.T. 0.00 min

Lab File: BM013398.D

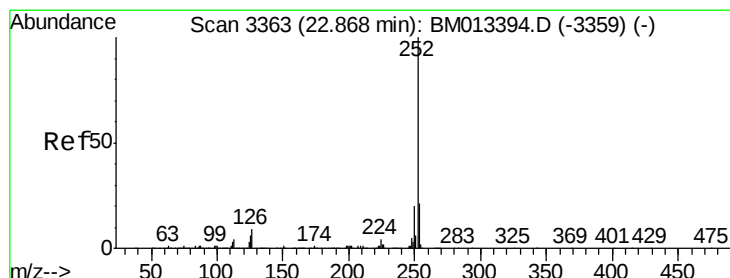
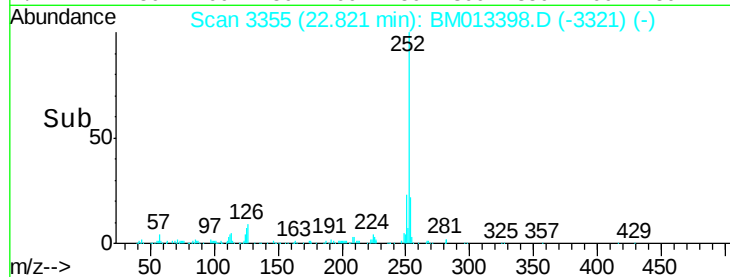
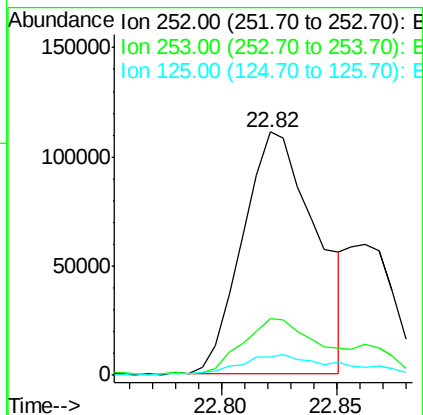
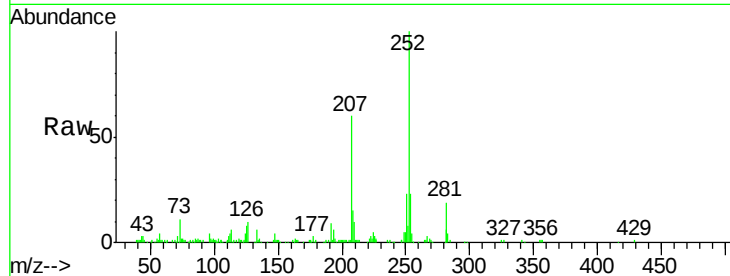
Acq: 14 Dec 2017 05:41

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	252	Resp:	246249
Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	7.5	3.6	5.4#



#86

Benzo(k)fluoranthene

Concen: 3.559 ng/ul

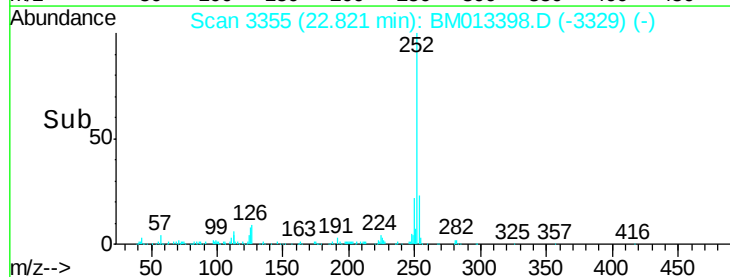
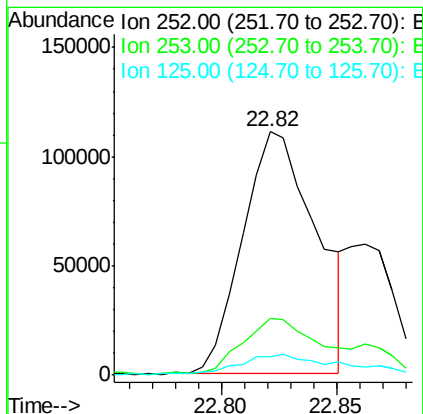
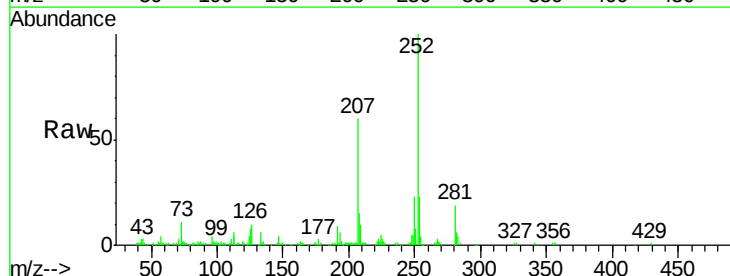
RT: 22.82 min Scan# 3355

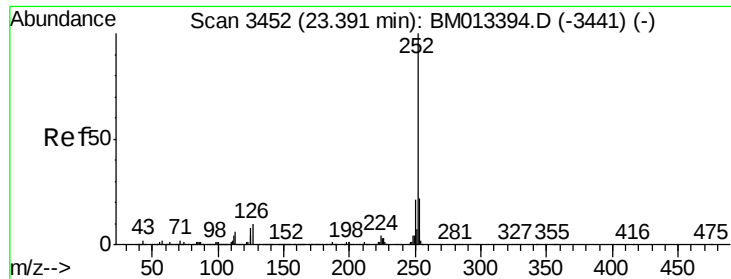
Delta R.T. -0.05 min

Lab File: BM013398.D

Acq: 14 Dec 2017 05:41

Tgt Ion:	252	Resp:	246249
Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	7.5	3.4	5.2#





#88

Benzo(a)pyrene

Concen: 2.088 ng/ul

RT: 23.39 min Scan# 3452

Delta R.T. 0.00 min

Lab File: BM013398.D

Acq: 14 Dec 2017 05:41

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252 Resp: 137896

Ion Ratio Lower Upper

252 100

253 23.6 18.2 27.2

125 6.7 4.0 6.0#

