

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
 Data File : BM004004.D
 Acq On : 14 Jan 2016 03:28
 Operator : SJ/UM
 Sample : H1098-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jan 14 12:08:34 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 13 06:45:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	37656	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	182413	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	110709	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	251605	20.00	ng/ul	0.00
78) Chrysene-d12	21.27	240	271461	20.00	ng/ul	0.00
86) Perylene-d12	23.51	264	226714	20.00	ng/ul	0.00

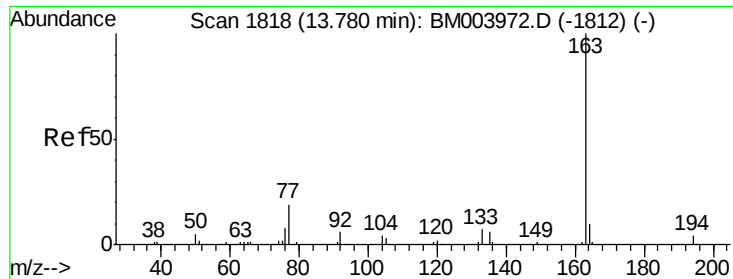
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	1855	2.20	ng/uL	0.00
5) Phenol-d5	6.84	99	45585	14.58	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	27525	15.58	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	39172	15.25	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	29661	11.71	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	19239	14.00	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	21010	13.95	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	38640	14.44	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	45444	12.86	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	137708	15.84	ng/ul	0.00
47) Acenaphthylene-d8	14.01	160	168436	15.91	ng/ul	0.00
52) 4-Nitrophenol-d4	14.54	143	16454	10.54	ng/ul	0.00
58) Fluorene-d10	15.32	176	126920	17.22	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.45	200	12639	8.91	ng/ul	0.00
71) Anthracene-d10	17.17	188	202000	17.36	ng/ul	0.00
79) Pyrene-d10	19.47	212	232227	16.52	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.37	264	200074	17.67	ng/ul	0.00

Target Compounds

						Qvalue
45) Dimethylphthalate	13.77	163	84579	9.55	ng/ul	98
59) Fluorene	15.37	166	9982	1.17	ng/ul	99
70) Phenanthrene	17.11	178	161492	11.41	ng/ul	100
72) Anthracene	17.20	178	44235	3.05	ng/ul	99
75) Carbazole	17.48	167	14200	1.11	ng/ul	99
77) Fluoranthene	19.14	202	321247	21.85	ng/ul	99
80) Pyrene	19.50	202	331173	17.97	ng/ul	99
83) Benzo(a)anthracene	21.26	228	172195	10.65	ng/ul	99
85) Chrysene	21.31	228	178703	11.63	ng/ul	98
88) Benzo(b)fluoranthene	22.84	252	173646	12.60	ng/ul	98
89) Benzo(k)fluoranthene	22.88	252	57966m	4.42	ng/ul	
91) Benzo(a)pyrene	23.41	252	130043	9.95	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.75	276	71423	4.94	ng/ul	96
93) Dibenzo(a,h)anthracene	25.76	278	21885	1.80	ng/ul#	84
94) Benzo(g,h,i)perylene	26.44	276	70366	5.80	ng/ul	98

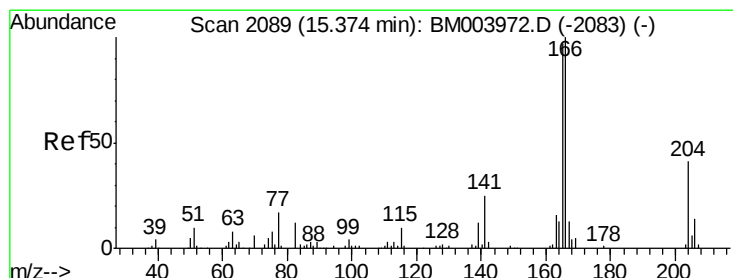
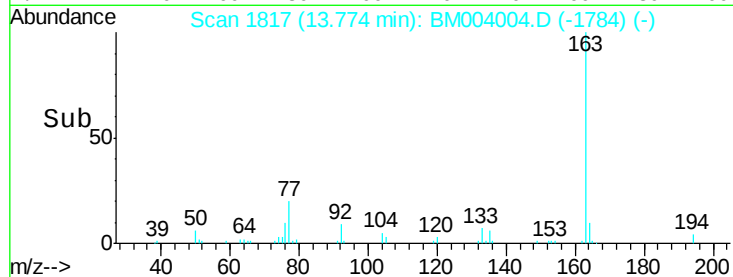
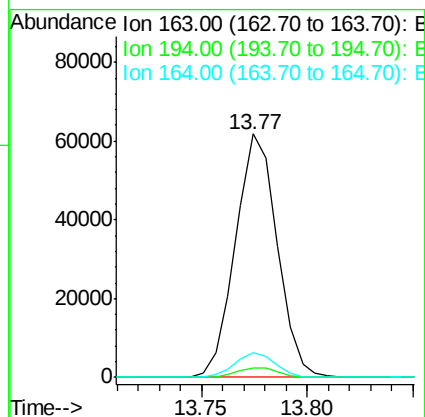
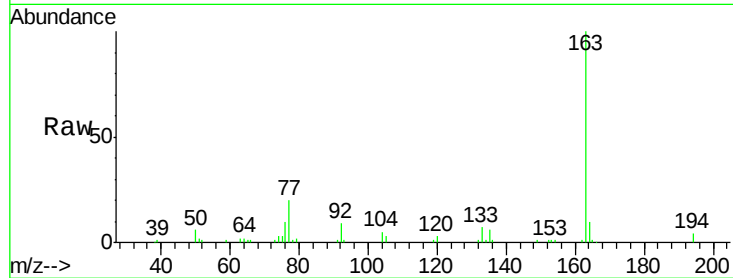
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#45
Dimethylphthalate
Concen: 9.55 ng/ul
RT: 13.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BM004004.D
Acq: 14 Jan 2016 03:28

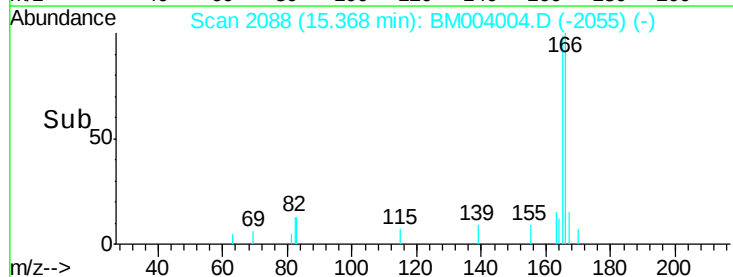
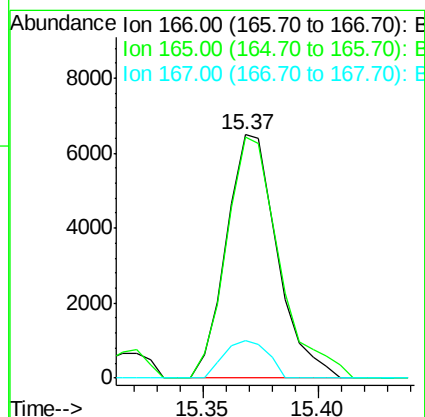
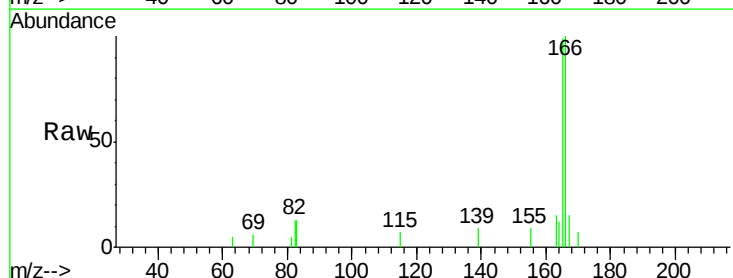
Instrument :
BNA_M
ClientSampleId :

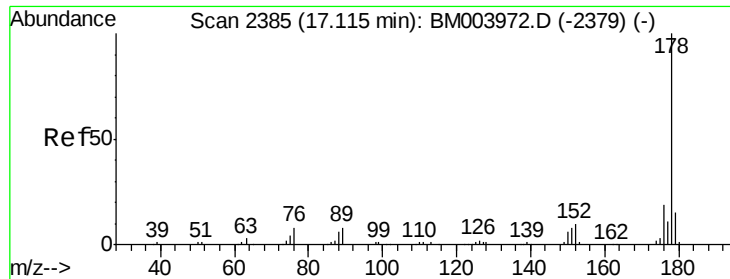
Tgt Ion:163 Resp: 84579
Ion Ratio Lower Upper
163 100
194 3.6 3.2 4.8
164 10.4 7.8 11.8



#59
Fluorene
Concen: 1.17 ng/ul
RT: 15.37 min Scan# 2088
Delta R.T. -0.01 min
Lab File: BM004004.D
Acq: 14 Jan 2016 03:28

Tgt Ion:166 Resp: 9982
Ion Ratio Lower Upper
166 100
165 98.8 78.5 117.7
167 15.3 10.7 16.1





#70

Phenanthrene

Concen: 11.41 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. -0.01 min

Lab File: BM004004.D

Acq: 14 Jan 2016 03:28

Instrument :

BNA_M

ClientSampleId :

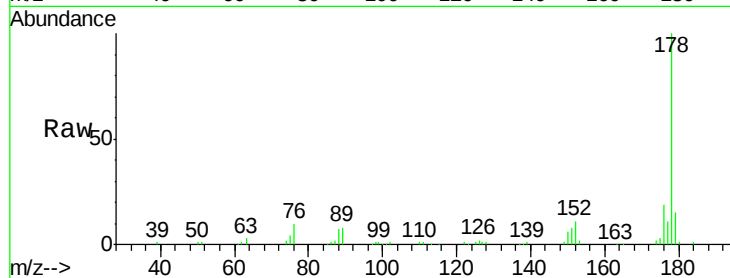
Tgt Ion:178 Resp: 161492

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.4

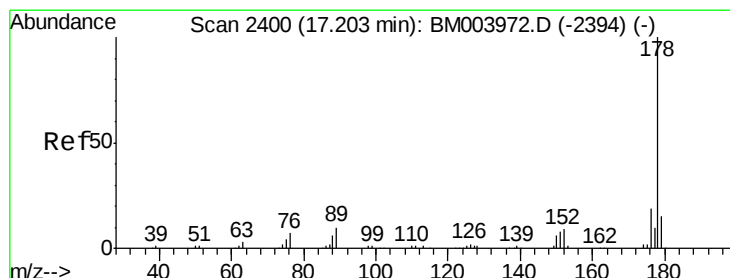
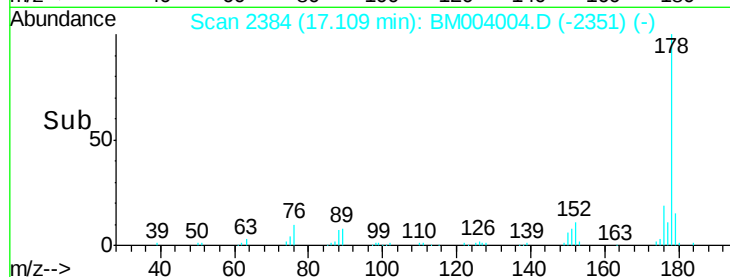
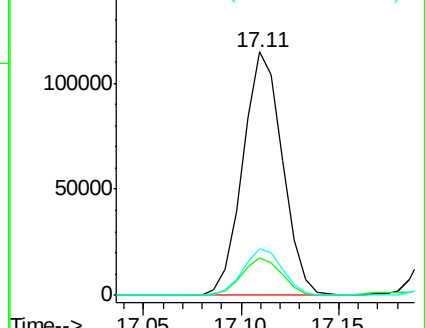
176 19.2 15.6 23.4



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

Anthracene

Concen: 3.05 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BM004004.D

Acq: 14 Jan 2016 03:28

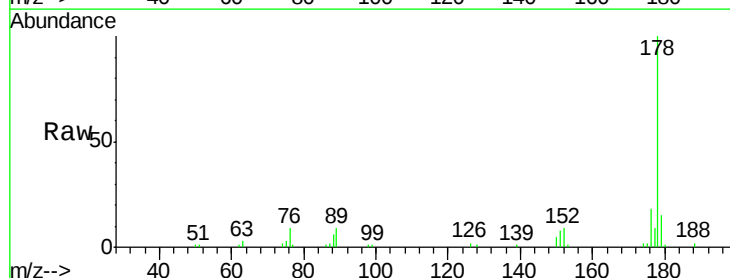
Tgt Ion:178 Resp: 44235

Ion Ratio Lower Upper

178 100

179 14.8 12.1 18.1

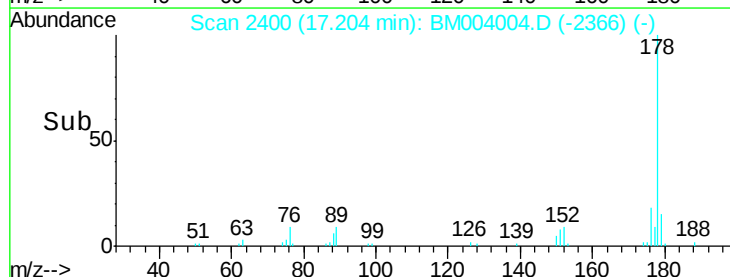
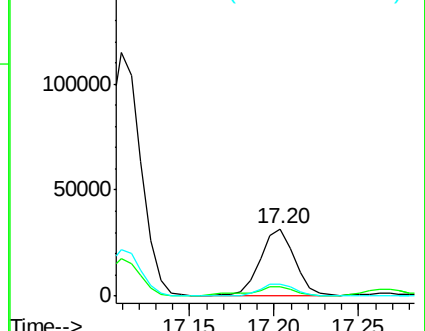
176 18.3 14.8 22.2

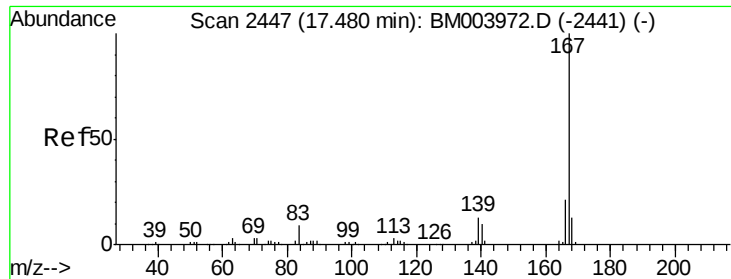


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

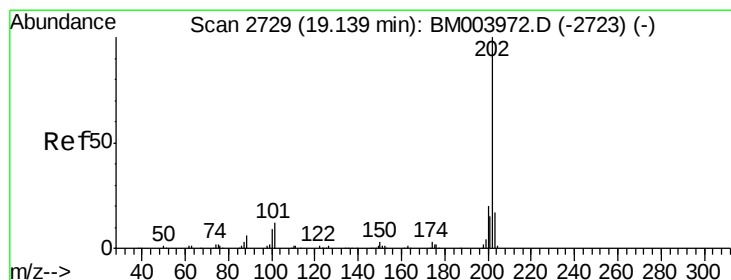
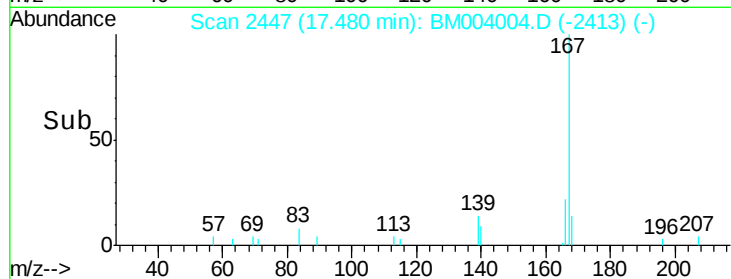
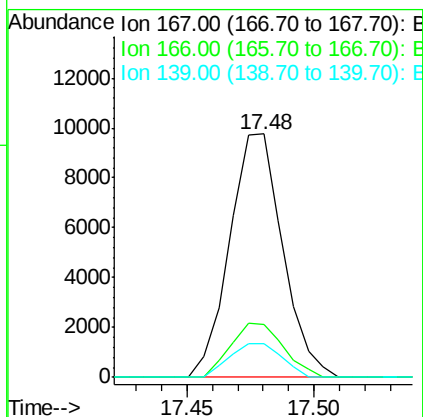
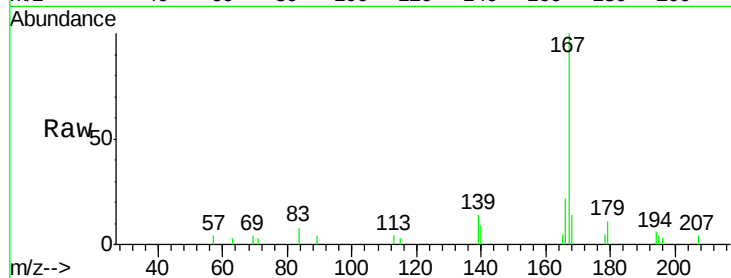




#75
 Carbazole
 Concen: 1.11 ng/ul
 RT: 17.48 min Scan# 2447
 Delta R.T. 0.00 min
 Lab File: BM004004.D
 Acq: 14 Jan 2016 03:28

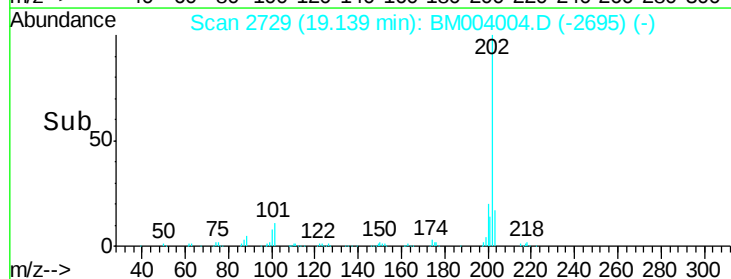
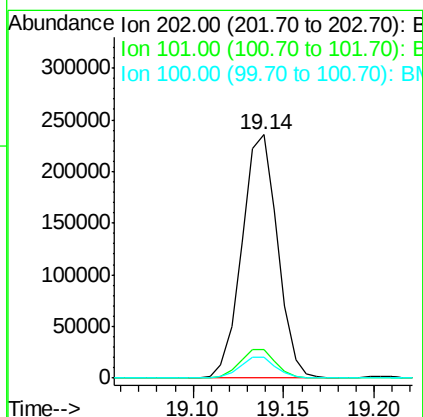
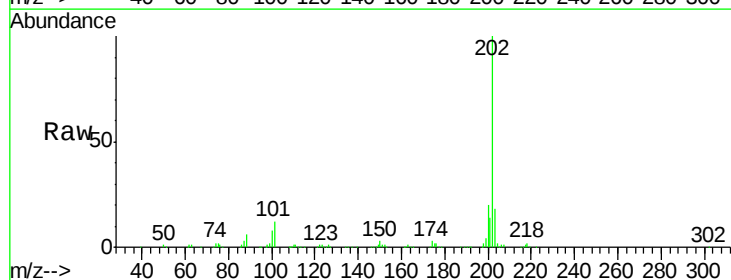
Instrument :
 BNA_M
 ClientSampleId :

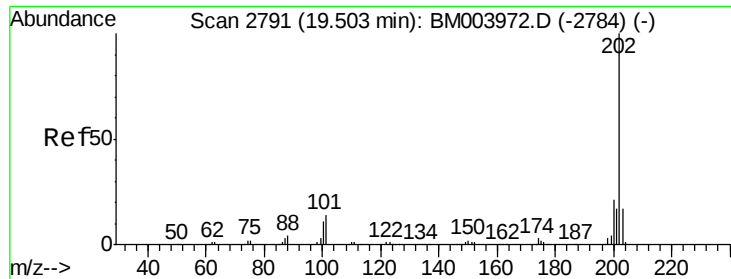
Tgt Ion:167 Resp: 14200
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.0 25.6
 139 14.0 11.0 16.4



#77
 Fluoranthene
 Concen: 21.85 ng/ul
 RT: 19.14 min Scan# 2729
 Delta R.T. 0.00 min
 Lab File: BM004004.D
 Acq: 14 Jan 2016 03:28

Tgt Ion:202 Resp: 321247
 Ion Ratio Lower Upper
 202 100
 101 11.5 8.8 13.2
 100 8.4 6.6 9.8

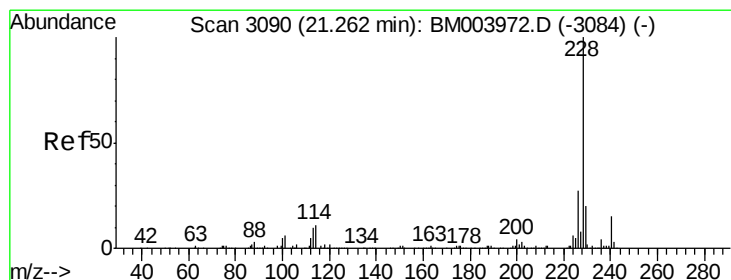
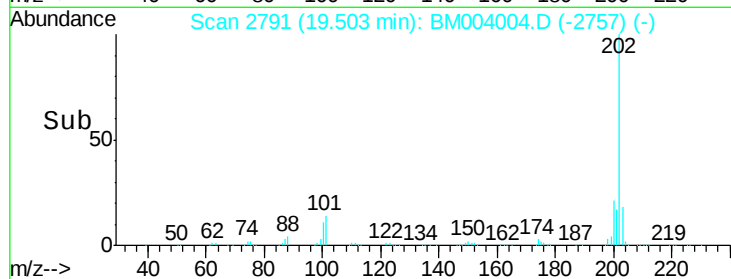
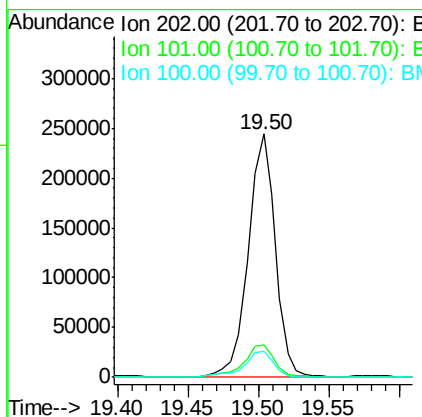
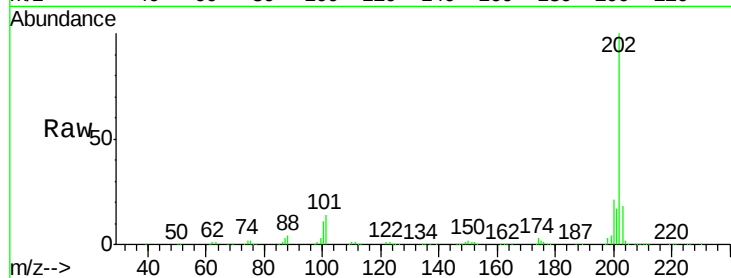




#80
 Pyrene
 Concen: 17.97 ng/ul
 RT: 19.50 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: BM004004.D
 Acq: 14 Jan 2016 03:28

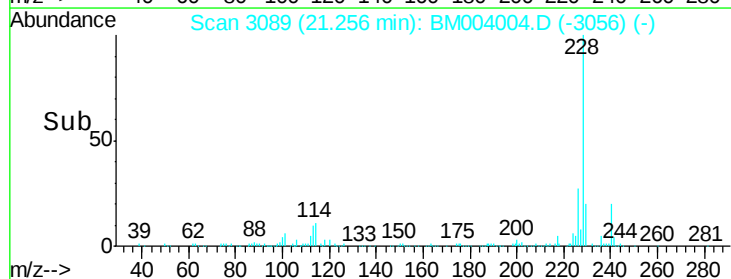
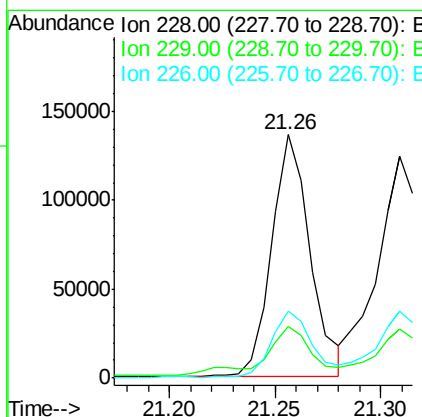
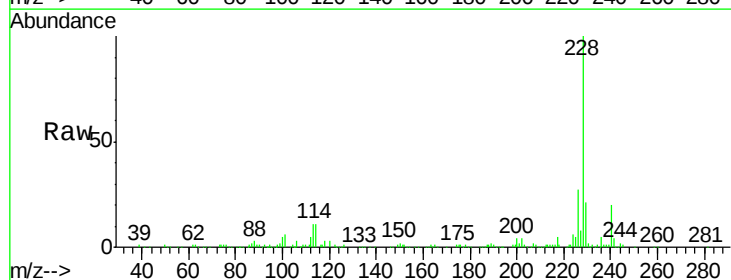
Instrument :
 BNA_M
 ClientSampleId :

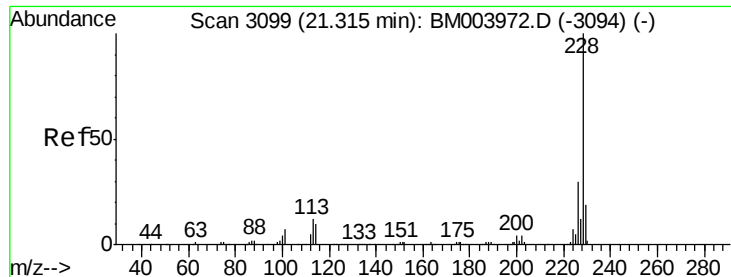
Tgt Ion: 202 Resp: 331173
 Ion Ratio Lower Upper
 202 100
 101 13.5 10.2 15.2
 100 10.6 8.5 12.7



#83
 Benzo(a)anthracene
 Concen: 10.65 ng/ul
 RT: 21.26 min Scan# 3089
 Delta R.T. -0.01 min
 Lab File: BM004004.D
 Acq: 14 Jan 2016 03:28

Tgt Ion: 228 Resp: 172195
 Ion Ratio Lower Upper
 228 100
 229 21.1 15.7 23.5
 226 27.3 21.8 32.6





#85

Chrysene

Concen: 11.63 ng/ul

RT: 21.31 min Scan# 3098

Delta R.T. -0.01 min

Lab File: BM004004.D

Acq: 14 Jan 2016 03:28

Instrument :

BNA_M

ClientSampleId :

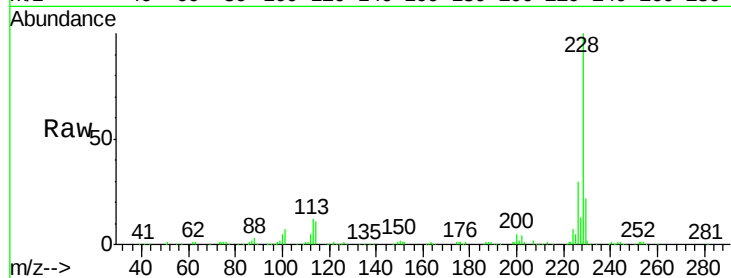
Tgt Ion:228 Resp: 178703

Ion Ratio Lower Upper

228 100

226 29.9 24.0 36.0

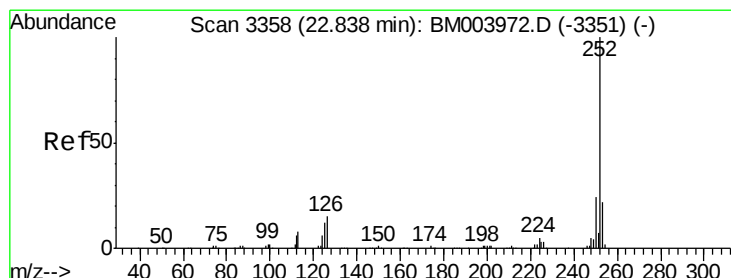
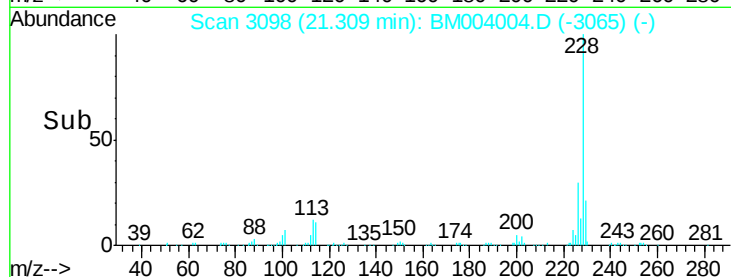
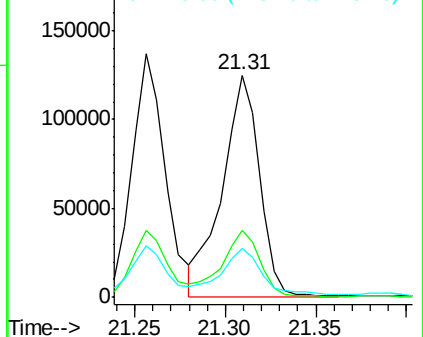
229 21.8 15.6 23.4



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



#88

Benzo(b)fluoranthene

Concen: 12.60 ng/ul

RT: 22.84 min Scan# 3358

Delta R.T. 0.00 min

Lab File: BM004004.D

Acq: 14 Jan 2016 03:28

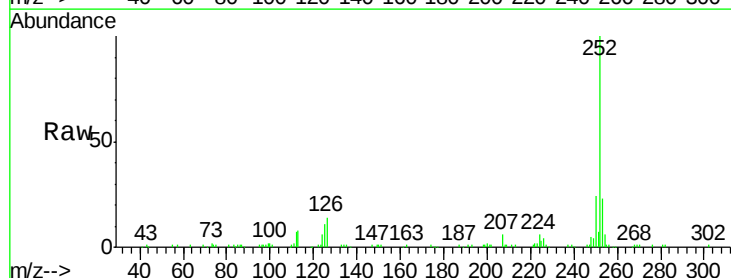
Tgt Ion:252 Resp: 173646

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

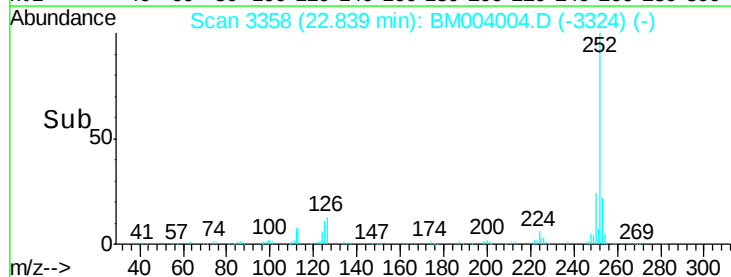
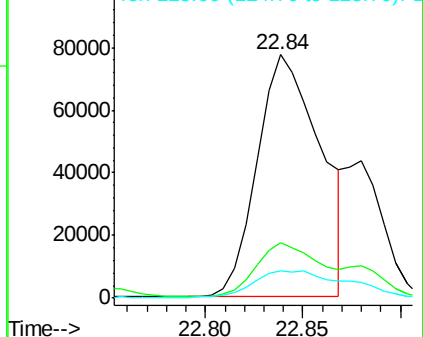
125 11.4 8.5 12.7

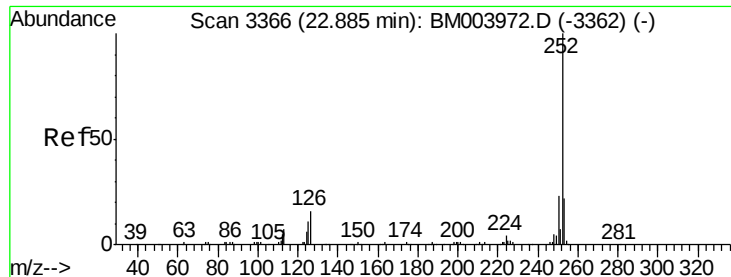


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 4.42 ng/ul m

RT: 22.88 min Scan# 3365

Delta R.T. -0.01 min

Lab File: BM004004.D

Acq: 14 Jan 2016 03:28

Instrument :

BNA_M

ClientSampleId :

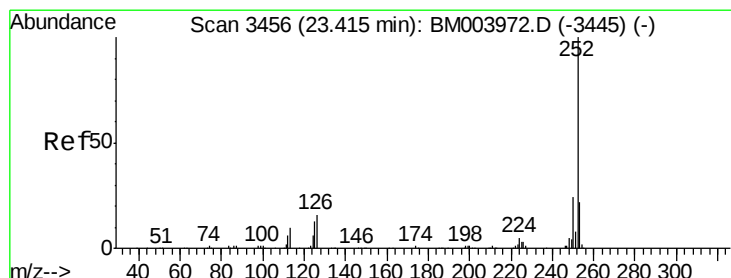
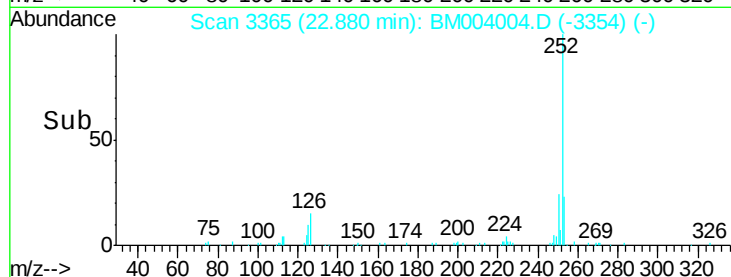
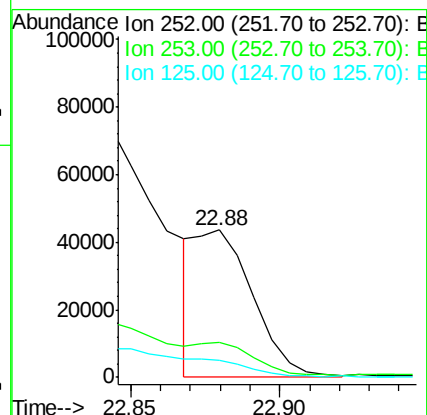
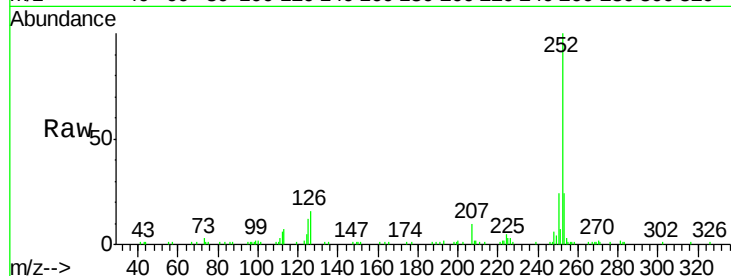
Tgt Ion:252 Resp: 57966

Ion Ratio Lower Upper

252 100

253 23.8 17.3 25.9

125 11.7 8.2 12.2



#91

Benzo(a)pyrene

Concen: 9.95 ng/ul

RT: 23.41 min Scan# 3455

Delta R.T. -0.01 min

Lab File: BM004004.D

Acq: 14 Jan 2016 03:28

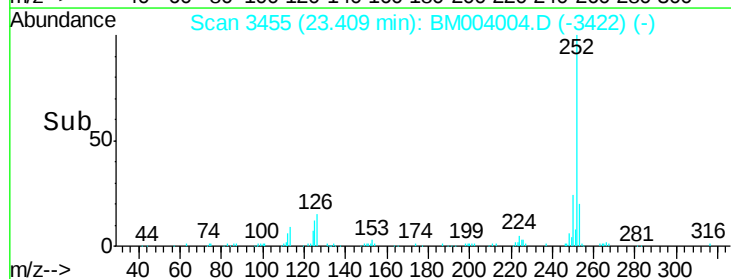
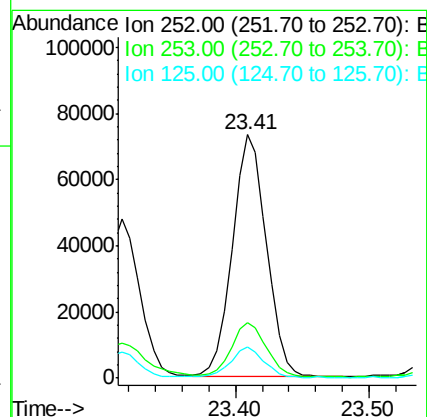
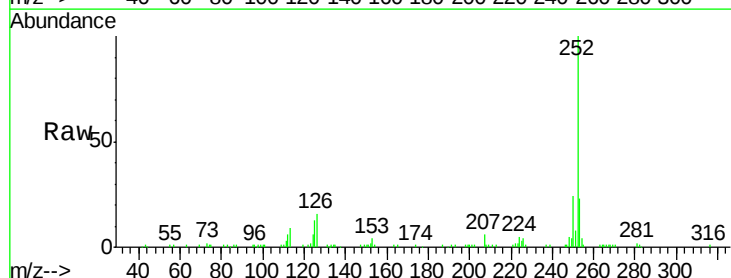
Tgt Ion:252 Resp: 130043

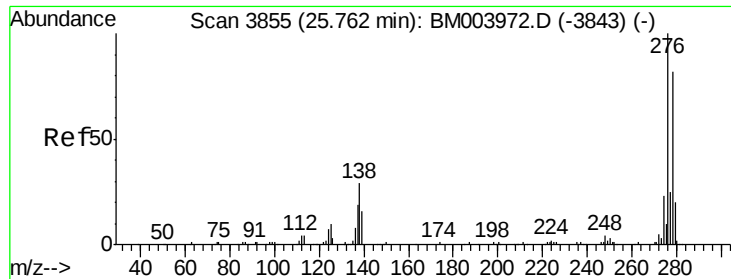
Ion Ratio Lower Upper

252 100

253 22.6 17.2 25.8

125 12.5 9.0 13.6





#92

Indeno(1,2,3-cd)pyrene

Concen: 4.94 ng/ul

RT: 25.75 min Scan# 3853

Delta R.T. -0.01 min

Lab File: BM004004.D

Acq: 14 Jan 2016 03:28

Instrument :

BNA_M

ClientSampleId :

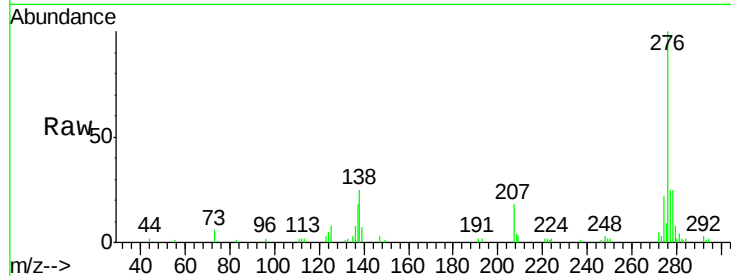
Tgt Ion:276 Resp: 71423

Ion Ratio Lower Upper

276 100

138 24.6 22.3 33.5

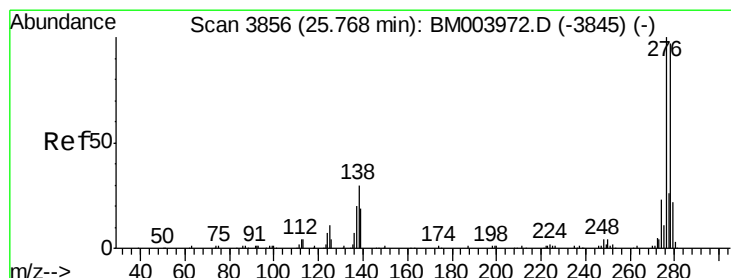
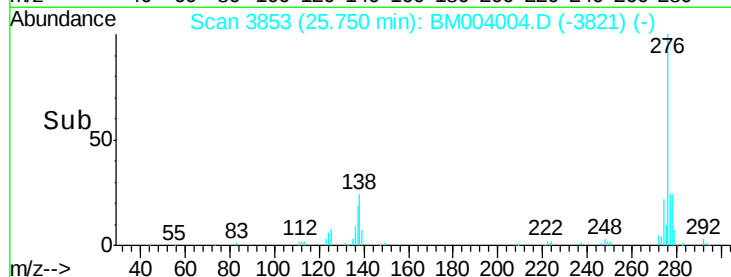
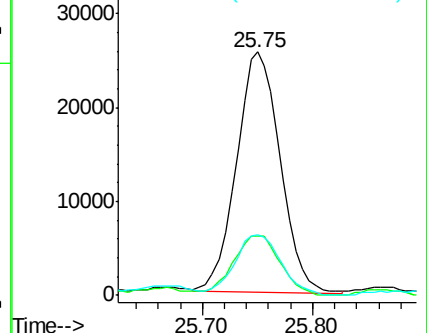
277 24.8 20.2 30.2



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



#93

Dibenzo(a,h)anthracene

Concen: 1.80 ng/ul

RT: 25.76 min Scan# 3854

Delta R.T. -0.01 min

Lab File: BM004004.D

Acq: 14 Jan 2016 03:28

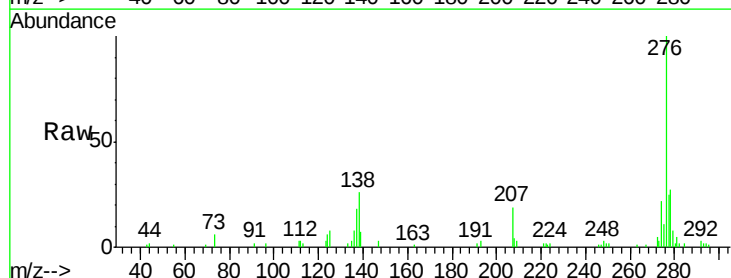
Tgt Ion:278 Resp: 21885

Ion Ratio Lower Upper

278 100

139 26.8 13.9 20.9#

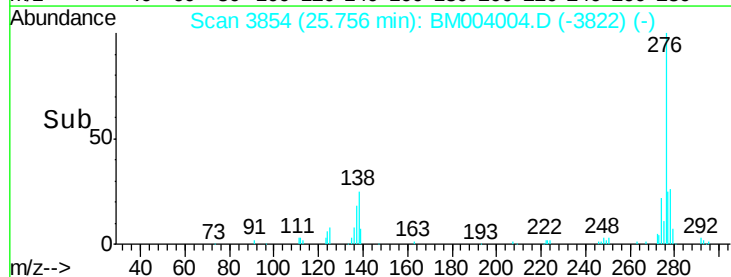
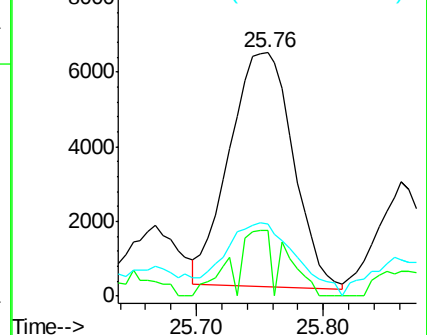
279 29.7 19.0 28.4#

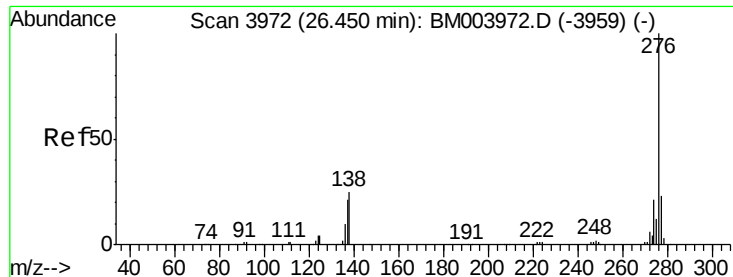


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

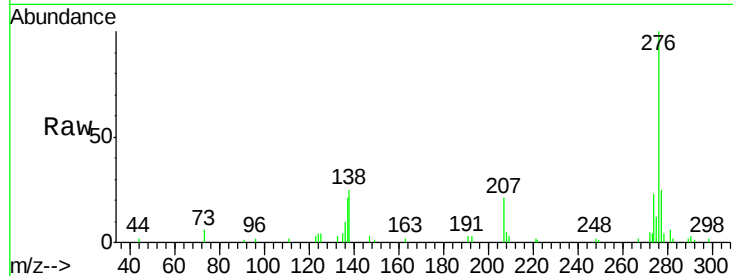




#94
 Benzo(g,h,i)perylene
 Concen: 5.80 ng/ul
 RT: 26.44 min Scan# 3970
 Delta R.T. -0.01 min
 Lab File: BM004004.D
 Acq: 14 Jan 2016 03:28

Instrument :
 BNA_M
 ClientSampleId :

Tgt Ion:	276	Resp:	70366
Ion	Ratio	Lower	Upper
276	100		
138	25.1	18.9	28.3
277	24.6	19.2	28.8



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

