

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
 Data File : BM004006.D
 Acq On : 14 Jan 2016 04:39
 Operator : SJ/UM
 Sample : H1098-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jan 14 12:33:18 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	46017	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	220410	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	129190	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	283840	20.00	ng/ul	0.00
78) Chrysene-d12	21.27	240	252917	20.00	ng/ul	0.00
86) Perylene-d12	23.51	264	213626	20.00	ng/ul	0.00

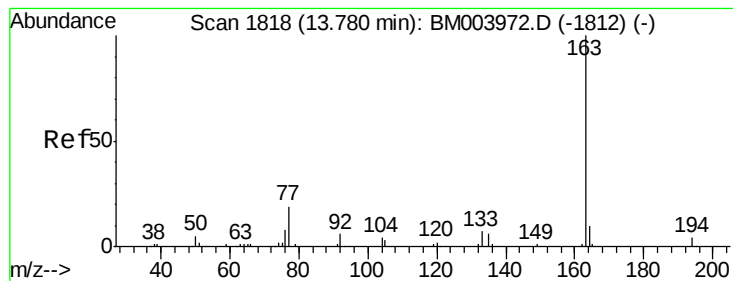
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	1751	1.70	ng/uL	0.00
5) Phenol-d5	6.84	99	39782	10.41	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	28177	13.05	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	35370	11.26	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	9096	2.94	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	19808	11.93	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	21349	11.73	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	31750	9.82	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	25643	6.01	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	135451	13.35	ng/ul	0.00
47) Acenaphthylene-d8	14.01	160	167361	13.55	ng/ul	0.00
52) 4-Nitrophenol-d4	14.54	143	14597	8.01	ng/ul	0.00
58) Fluorene-d10	15.32	176	124043	14.42	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.45	200	12342	7.71	ng/ul	0.00
71) Anthracene-d10	17.17	188	187843	14.31	ng/ul	0.00
79) Pyrene-d10	19.47	212	201080	15.35	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.37	264	153461	14.38	ng/ul	0.00

Target Compounds

						Qvalue
45) Dimethylphthalate	13.77	163	94564	9.15	ng/ul	99
70) Phenanthrene	17.11	178	184744	11.57	ng/ul	100
72) Anthracene	17.20	178	43606	2.66	ng/ul	99
77) Fluoranthene	19.14	202	339782	20.49	ng/ul	98
80) Pyrene	19.50	202	357462	20.82	ng/ul	98
83) Benzo(a)anthracene	21.26	228	153012	10.16	ng/ul	98
85) Chrysene	21.31	228	162608	11.36	ng/ul	98
88) Benzo(b)fluoranthene	22.84	252	149230	11.49	ng/ul	99
89) Benzo(k)fluoranthene	22.88	252	52586m	4.26	ng/ul	
91) Benzo(a)pyrene	23.41	252	114797	9.32	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.76	276	68191	5.00	ng/ul	96
93) Dibenzo(a,h)anthracene	25.76	278	22185	1.94	ng/ul#	85
94) Benzo(g,h,i)perylene	26.44	276	68861	6.02	ng/ul	98

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



#45

Dimethylphthalate

Concen: 9.15 ng/ul

RT: 13.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BM004006.D

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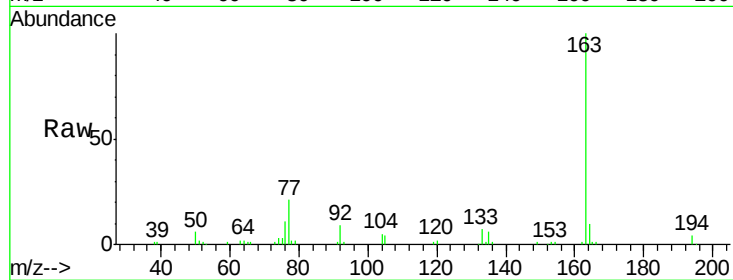
Tgt Ion:163 Resp: 94564

Ion Ratio Lower Upper

163 100

194 3.8 3.2 4.8

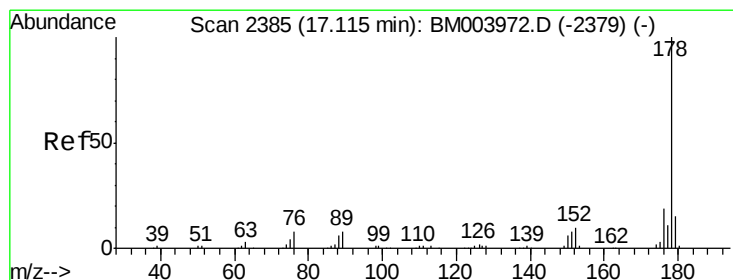
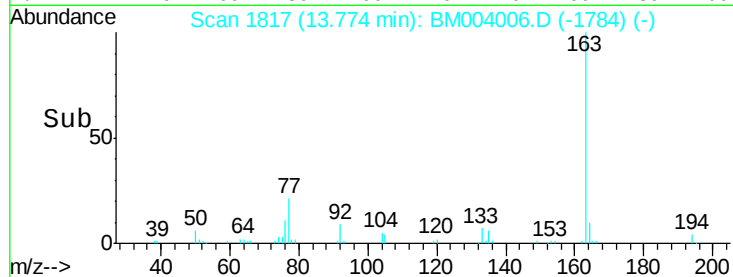
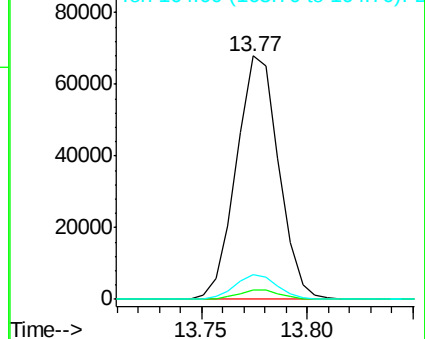
164 10.2 7.8 11.8



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



#70

Phenanthrene

Concen: 11.57 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. -0.01 min

Lab File: BM004006.D

Acq: 14 Jan 2016 04:39

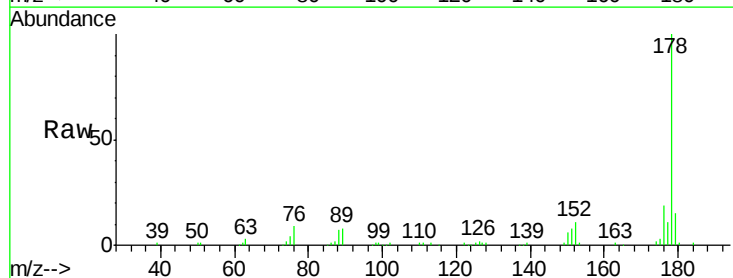
Tgt Ion:178 Resp: 184744

Ion Ratio Lower Upper

178 100

179 15.1 12.2 18.4

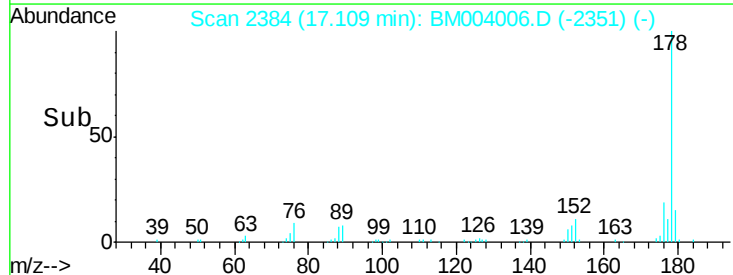
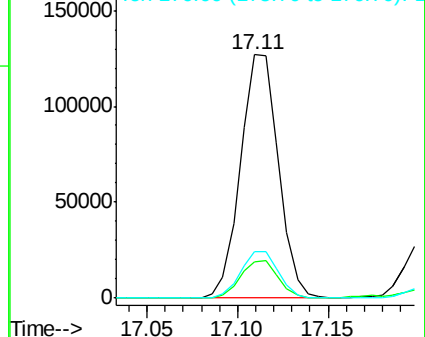
176 19.2 15.6 23.4

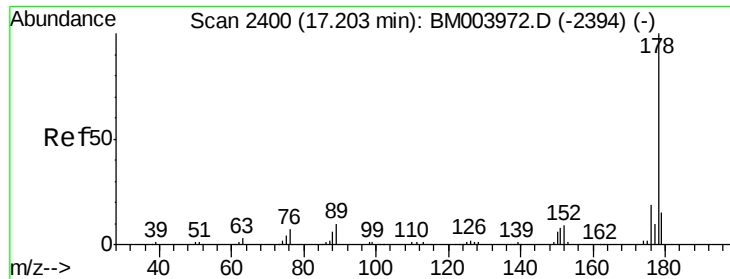


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 2.66 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BM004006.D

Acq: 14 Jan 2016 04:39

Instrument :

BNA_M

ClientSampleId :

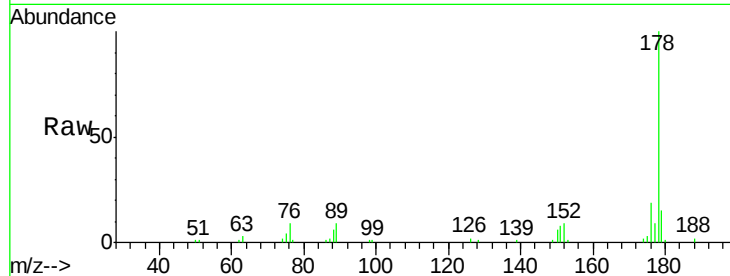
Tgt Ion:178 Resp: 43606

Ion Ratio Lower Upper

178 100

179 15.5 12.1 18.1

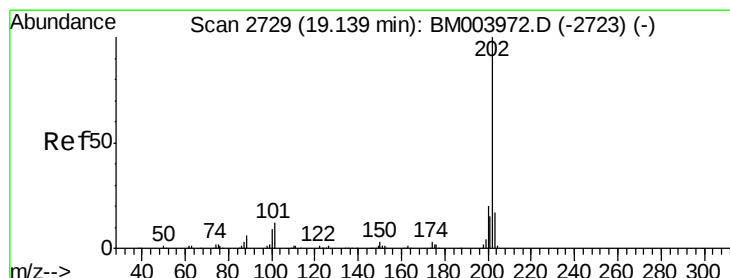
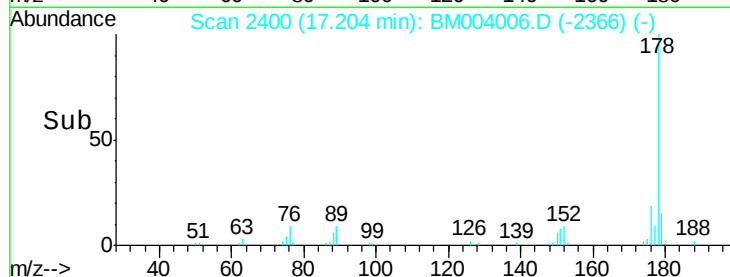
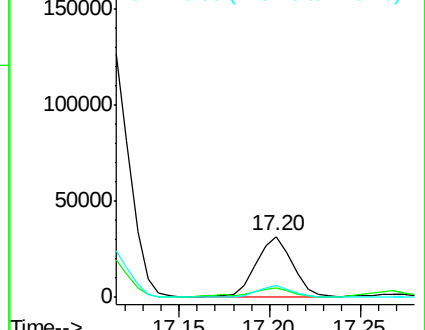
176 18.7 14.8 22.2



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



#77

Fluoranthene

Concen: 20.49 ng/ul

RT: 19.14 min Scan# 2729

Delta R.T. 0.00 min

Lab File: BM004006.D

Acq: 14 Jan 2016 04:39

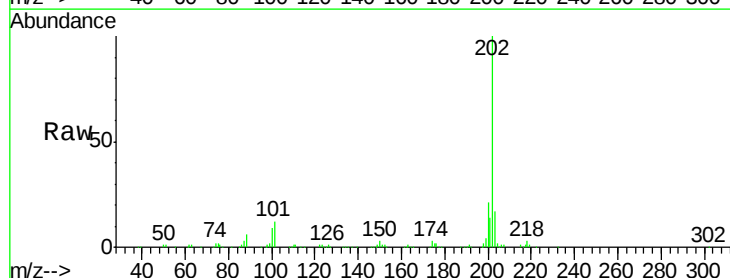
Tgt Ion:202 Resp: 339782

Ion Ratio Lower Upper

202 100

101 11.6 8.8 13.2

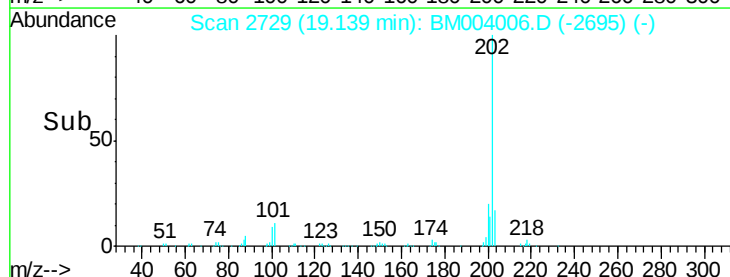
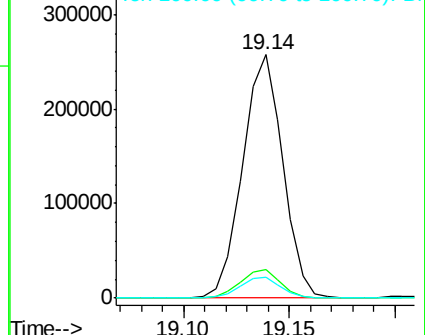
100 8.8 6.6 9.8

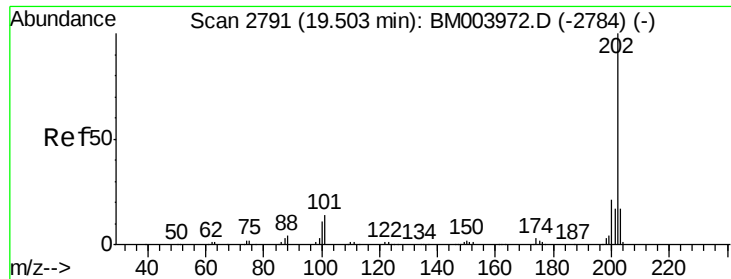


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

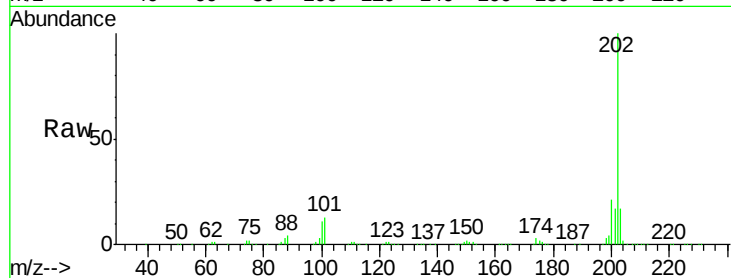




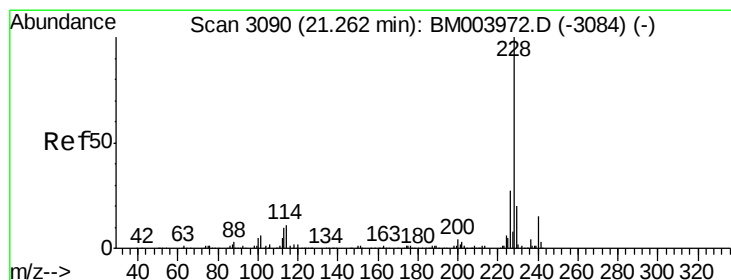
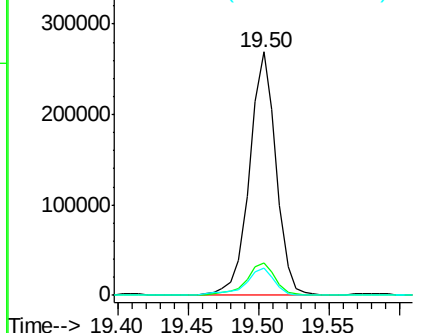
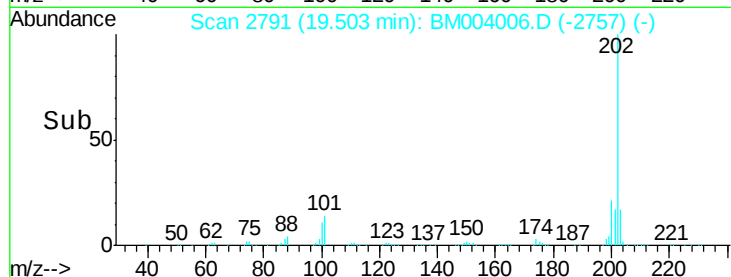
#80
 Pyrene
 Concen: 20.82 ng/u1
 RT: 19.50 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: BM004006.D
 Acq: 14 Jan 2016 04:39

Instrument :
 BNA_M
 ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	10.2	15.2
100	11.0	8.5	12.7

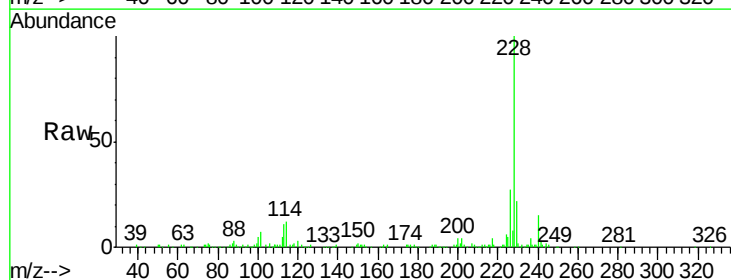


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

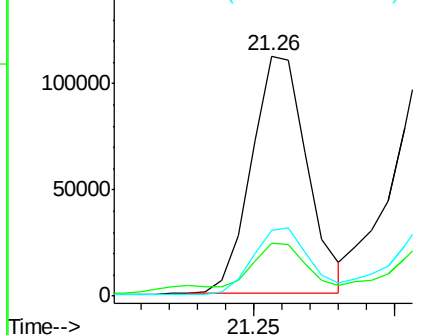
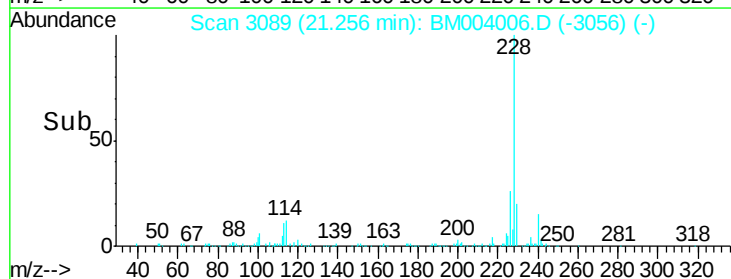


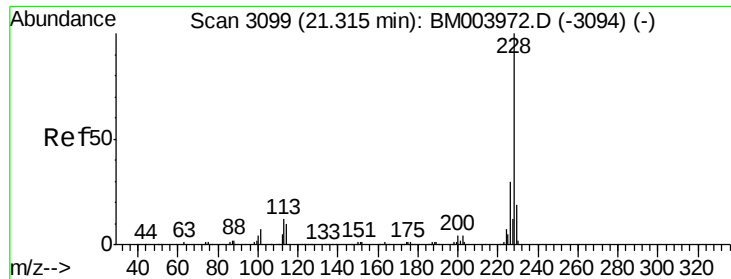
#83
 Benzo(a)anthracene
 Concen: 10.16 ng/u1
 RT: 21.26 min Scan# 3089
 Delta R.T. -0.01 min
 Lab File: BM004006.D
 Acq: 14 Jan 2016 04:39

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.8	15.7	23.5
226	27.1	21.8	32.6



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





#85

Chrysene

Concen: 11.36 ng/ul

RT: 21.31 min Scan# 3098

Delta R.T. -0.01 min

Lab File: BM004006.D

Acq: 14 Jan 2016 04:39

Instrument :

BNA_M

ClientSampleId :

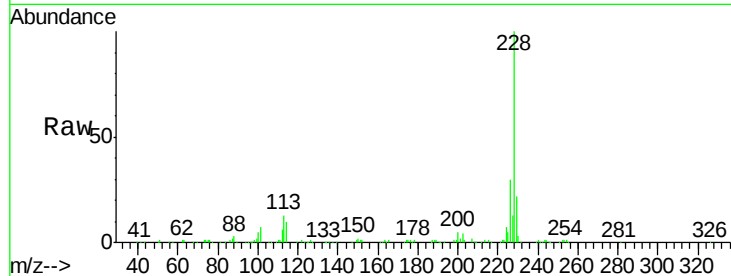
Tgt Ion:228 Resp: 162608

Ion Ratio Lower Upper

228 100

226 30.2 24.0 36.0

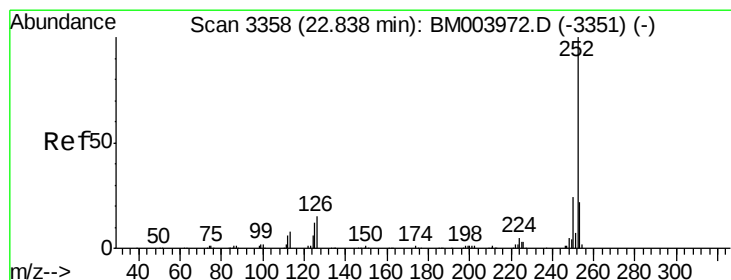
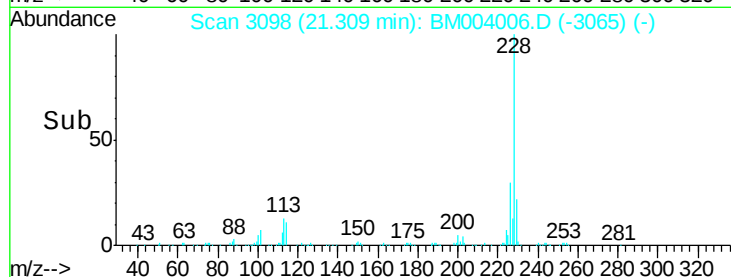
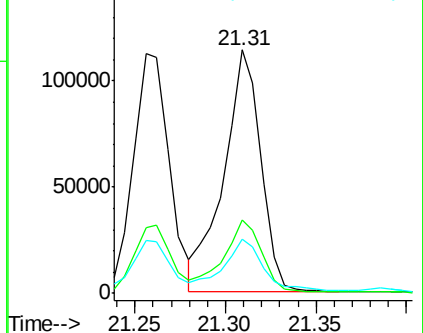
229 22.1 15.6 23.4



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: 11.49 ng/ul

RT: 22.84 min Scan# 3359

Delta R.T. 0.01 min

Lab File: BM004006.D

Acq: 14 Jan 2016 04:39

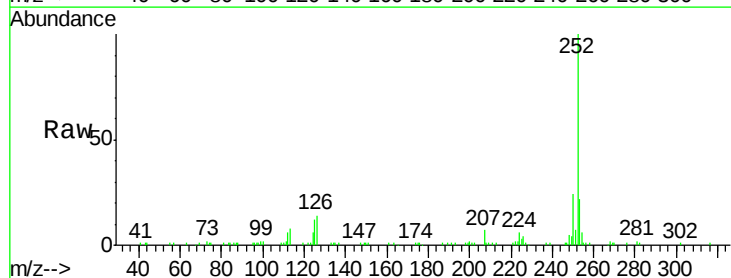
Tgt Ion:252 Resp: 149230

Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

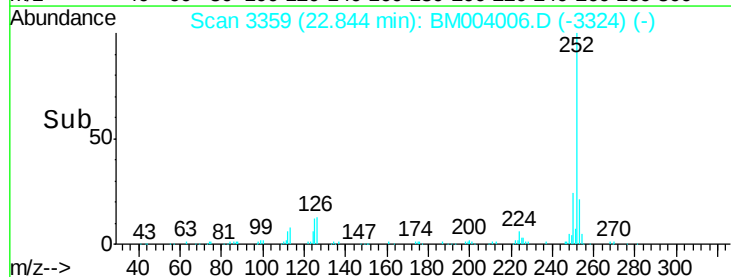
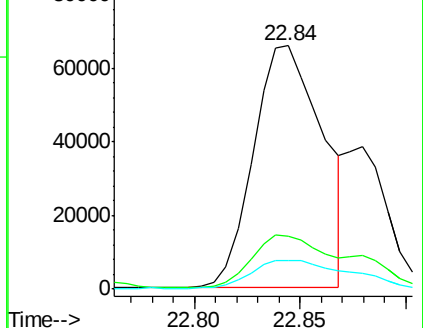
125 12.0 8.5 12.7

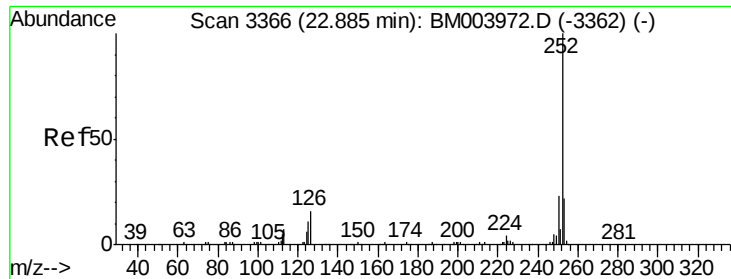


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 4.26 ng/ul m

RT: 22.88 min Scan# 3365

Delta R.T. -0.01 min

Lab File: BM004006.D

Acq: 14 Jan 2016 04:39

Instrument :

BNA_M

ClientSampleId :

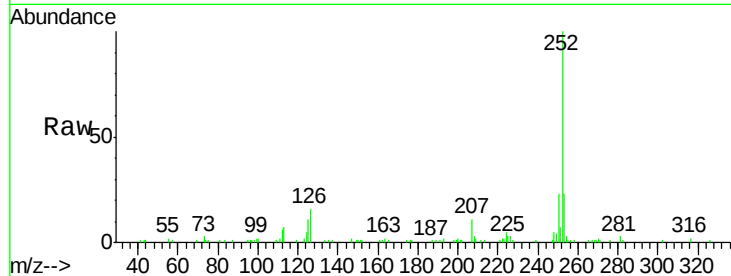
Tgt Ion:252 Resp: 52586

Ion Ratio Lower Upper

252 100

253 23.1 17.3 25.9

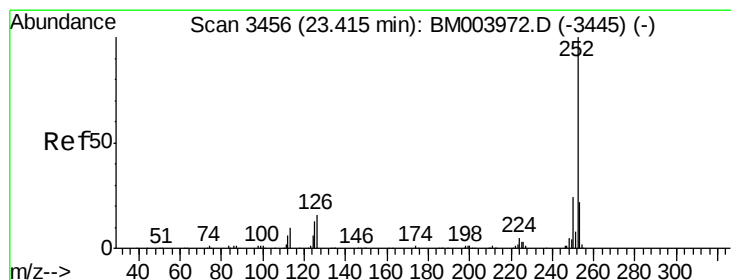
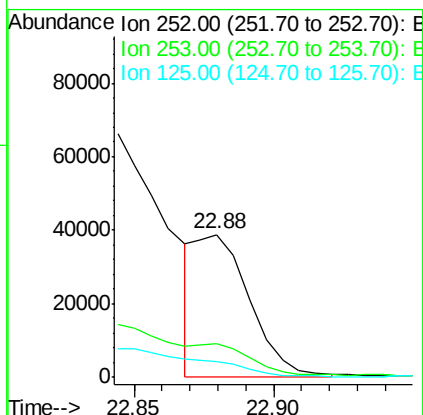
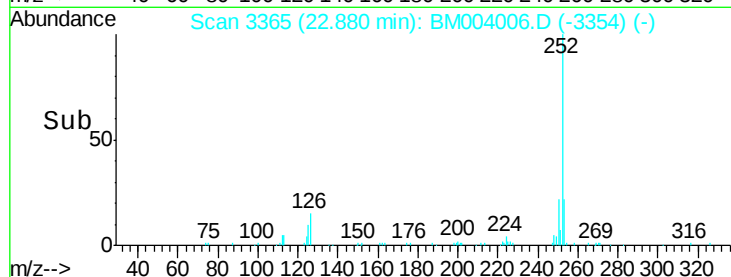
125 11.2 8.2 12.2



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



#91

Benzo(a)pyrene

Concen: 9.32 ng/ul

RT: 23.41 min Scan# 3455

Delta R.T. -0.01 min

Lab File: BM004006.D

Acq: 14 Jan 2016 04:39

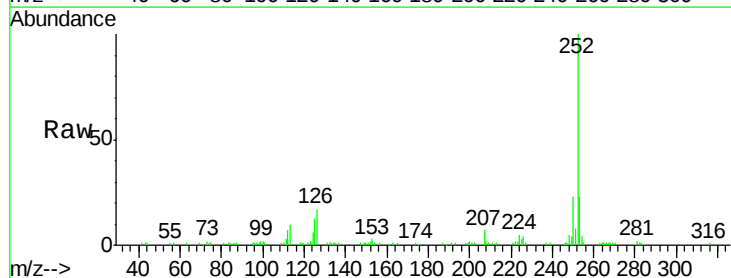
Tgt Ion:252 Resp: 114797

Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

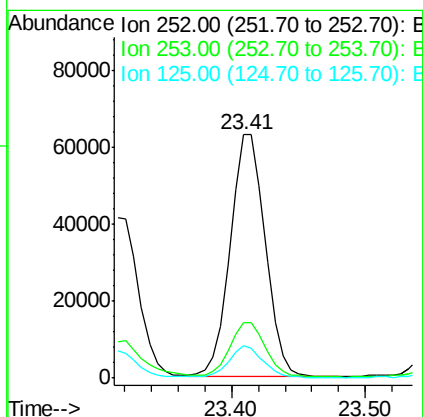
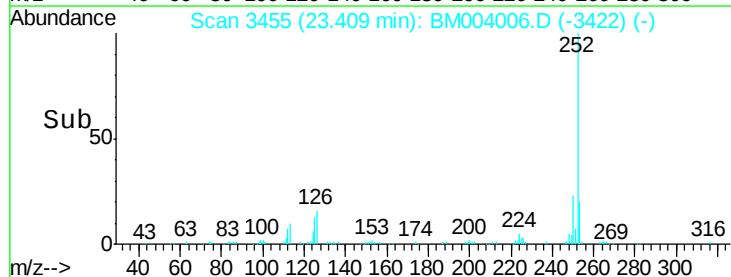
125 13.3 9.0 13.6

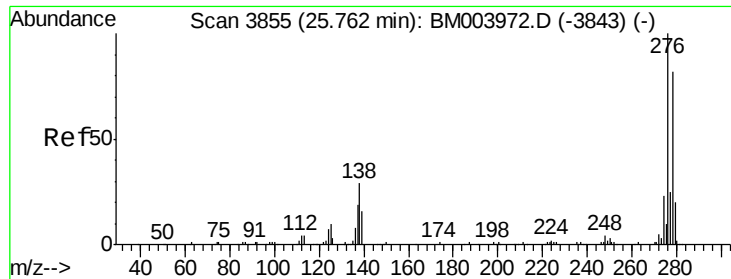


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Indeno(1,2,3-cd)pyrene

Concen: 5.00 ng/ul

RT: 25.76 min Scan# 3854

Delta R.T. -0.01 min

Lab File: BM004006.D

Acq: 14 Jan 2016 04:39

Instrument :

BNA_M

ClientSampleId :

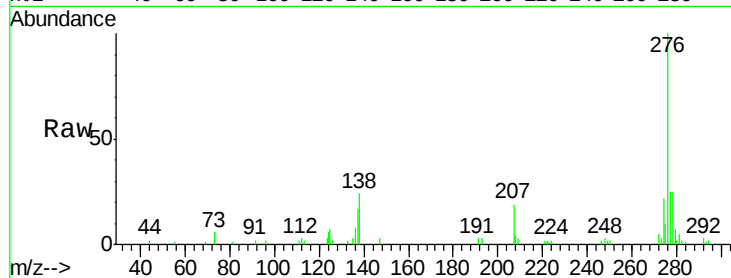
Tgt Ion:276 Resp: 68191

Ion Ratio Lower Upper

276 100

138 24.2 22.3 33.5

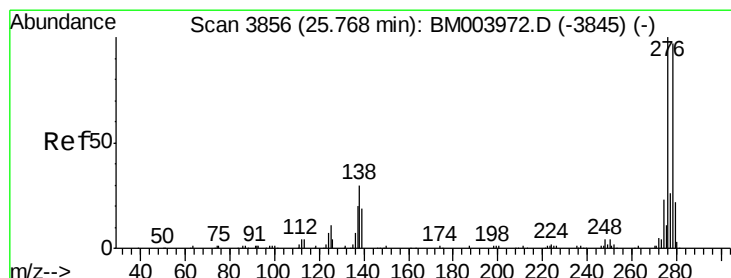
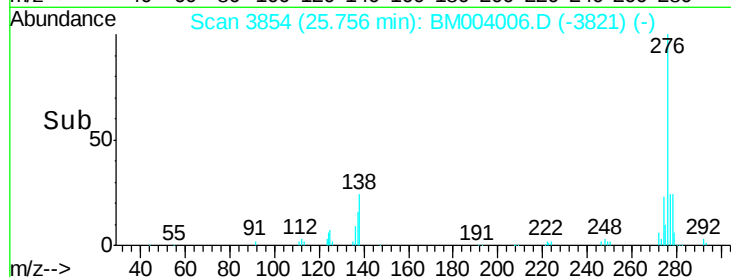
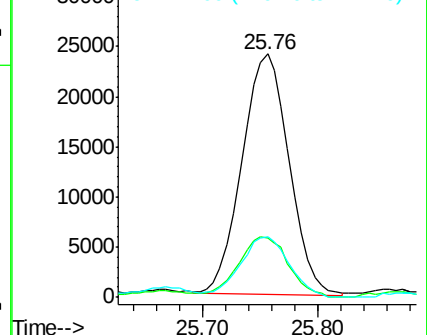
277 24.7 20.2 30.2



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: 1.94 ng/ul

RT: 25.76 min Scan# 3855

Delta R.T. -0.01 min

Lab File: BM004006.D

Acq: 14 Jan 2016 04:39

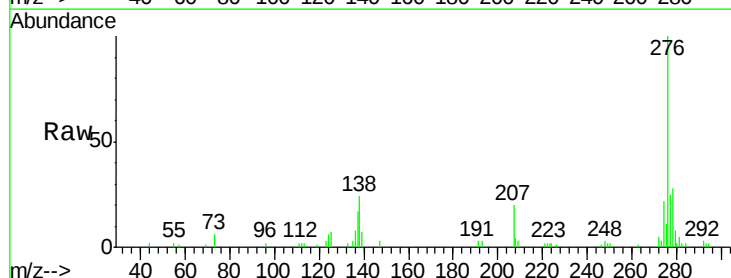
Tgt Ion:278 Resp: 22185

Ion Ratio Lower Upper

278 100

139 25.5 13.9 20.9#

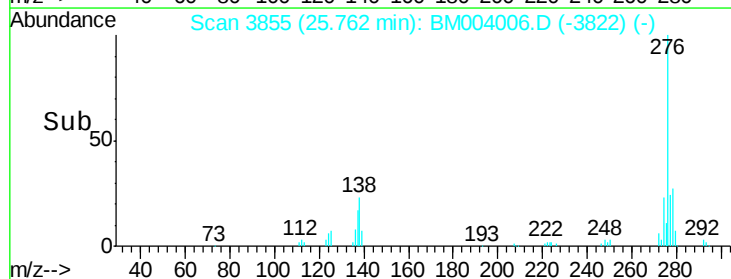
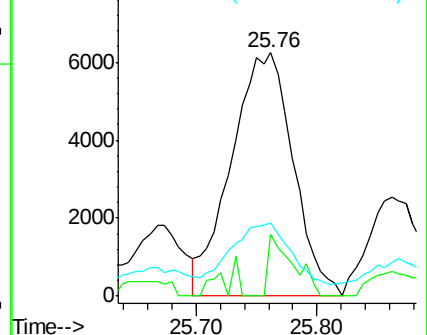
279 29.9 19.0 28.4#

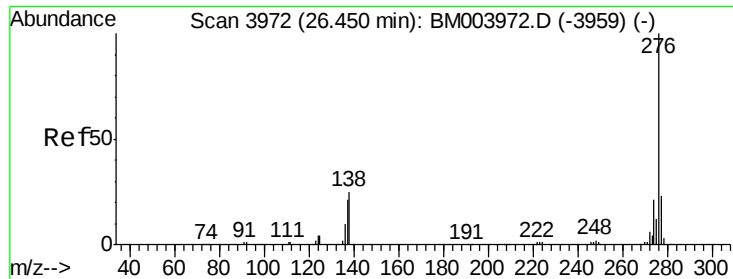


Abundance Ion 278.00 (277.70 to 278.70): E

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: 6.02 ng/ul

RT: 26.44 min Scan# 3971

Delta R.T. -0.01 min

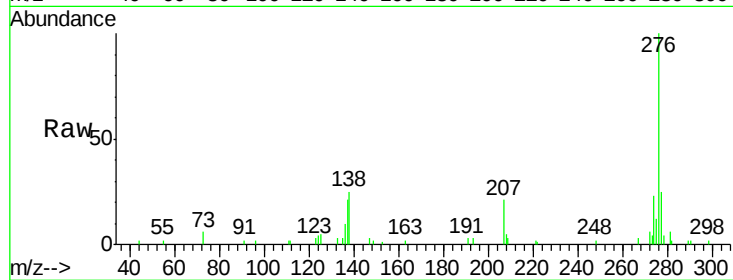
Lab File: BM004006.D

Acq: 14 Jan 2016 04:39

Instrument :

BNA_M

ClientSampleId :



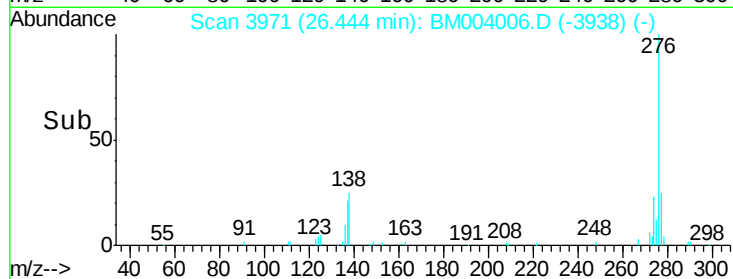
Tgt Ion: 276 Resp: 68861

Ion Ratio Lower Upper

276 100

138 24.7 18.9 28.3

277 25.1 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

