

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
 Data File : BM004205.D
 Acq On : 08 Feb 2016 18:11
 Operator : SJ/IZ
 Sample : H1340-19
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C04K6

Quant Time: Feb 09 00:12:28 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 09 00:07:17 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	23940	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	116232	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	70049	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	162472	20.00	ng/ul	0.00
78) Chrysene-d12	21.28	240	204072	20.00	ng/ul	0.00
86) Perylene-d12	23.51	264	205417	20.00	ng/ul	0.00

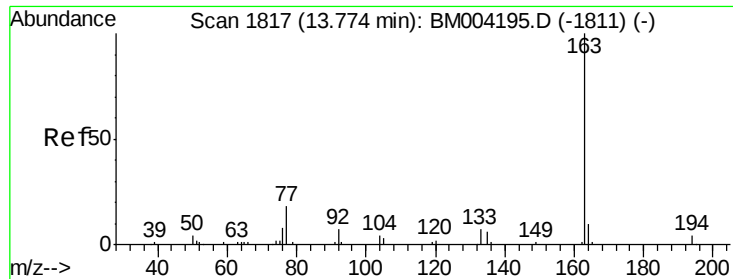
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.12	96	1270	2.80	ng/uL	0.00
5) Phenol-d5	6.84	99	36025	15.43	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	19420	15.62	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	31455	17.30	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	17294	8.63	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	15936	18.50	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	17341	18.14	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	31397	17.67	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	36531	16.15	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	111068	18.43	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	134784	19.21	ng/ul	0.00
52) 4-Nitrophenol-d4	14.54	143	14097	11.69	ng/ul	0.01
58) Fluorene-d10	15.32	176	100561	19.45	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.45	200	9055	9.04	ng/ul	0.00
71) Anthracene-d10	17.17	188	159070	20.13	ng/ul	0.00
79) Pyrene-d10	19.47	212	190235	20.81	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.37	264	220961	20.62	ng/ul	0.00

Target Compounds

						Qvalue
45) Dimethylphthalate	13.77	163	41855	6.59	ng/ul	100
50) Acenaphthene	14.38	153	24506	4.67	ng/ul	99
54) Dibenzofuran	14.72	168	10890	1.46	ng/ul	100
59) Fluorene	15.37	166	19077	3.07	ng/ul	100
70) Phenanthrene	17.11	178	277131	27.95	ng/ul	99
72) Anthracene	17.20	178	75036	7.46	ng/ul	99
75) Carbazole	17.47	167	34459	3.77	ng/ul	99
77) Fluoranthene	19.14	202	606149	52.52	ng/ul	98
80) Pyrene	19.51	202	540480	43.08	ng/ul	99
83) Benzo(a)anthracene	21.26	228	346532	26.67	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.19	149	100397	12.49	ng/ul	99
85) Chrysene	21.32	228	342047	27.69	ng/ul	97
88) Benzo(b)fluoranthene	22.85	252	430710	32.85	ng/ul	98
89) Benzo(k)fluoranthene	22.85	252	167689	13.73	ng/ul	98
91) Benzo(a)pyrene	23.42	252	295557	23.33	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.77	276	171570	11.35	ng/ul#	94
93) Dibenzo(a,h)anthracene	25.77	278	48848	3.87	ng/ul#	81
94) Benzo(g,h,i)perylene	26.46	276	124307	9.64	ng/ul	99

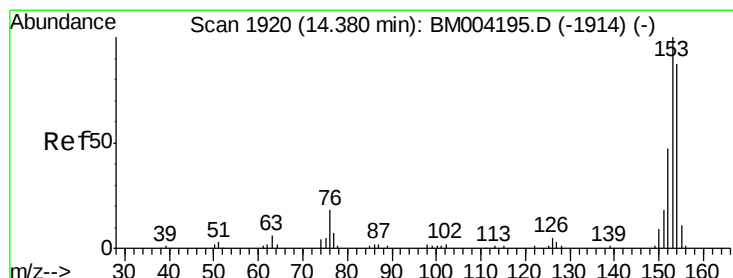
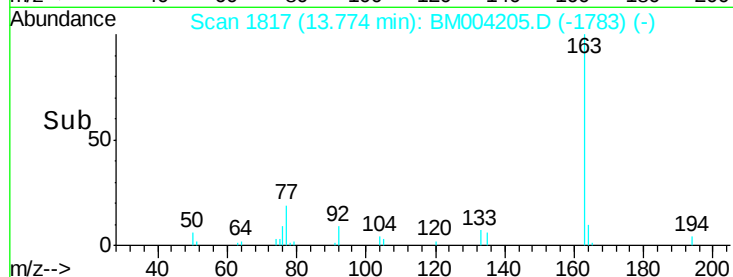
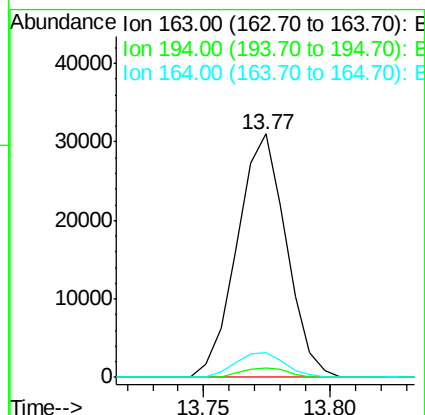
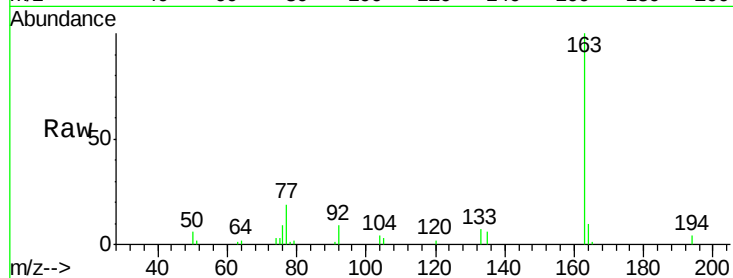
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#45
Dimethylphthalate
Concen: 6.59 ng/ul
RT: 13.77 min Scan# 1817
Delta R.T. -0.00 min
Lab File: BM004205.D
Acq: 08 Feb 2016 18:11

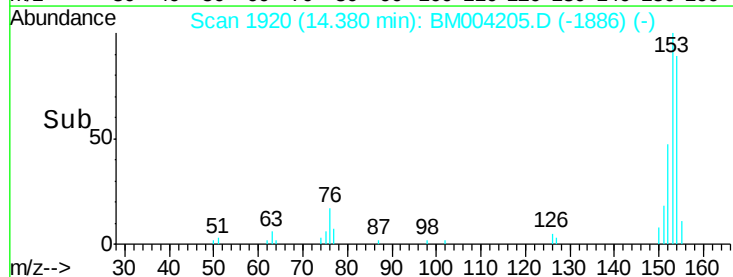
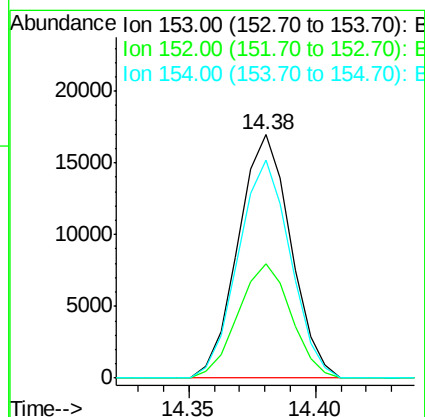
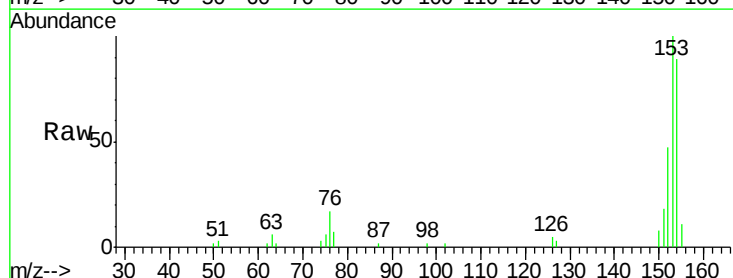
Instrument :
BNA_M
ClientSampleId :
C04K6

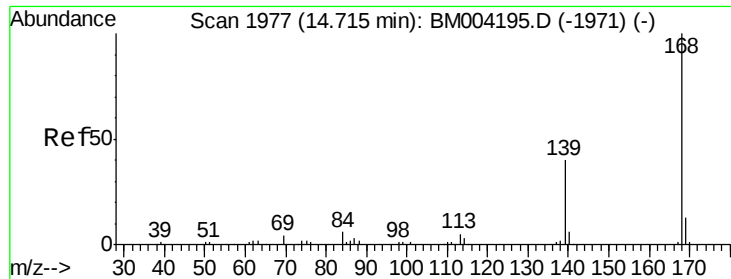
Tgt Ion:163 Resp: 41855
Ion Ratio Lower Upper
163 100
194 4.0 3.2 4.8
164 10.1 7.8 11.8



#50
Acenaphthene
Concen: 4.67 ng/ul
RT: 14.38 min Scan# 1920
Delta R.T. -0.00 min
Lab File: BM004205.D
Acq: 08 Feb 2016 18:11

Tgt Ion:153 Resp: 24506
Ion Ratio Lower Upper
153 100
152 46.9 38.3 57.5
154 89.3 71.8 107.8





#54

Dibenzenofuran

Concen: 1.46 ng/ul

RT: 14.72 min Scan# 1977

Delta R.T. -0.00 min

Lab File: BM004205.D

Acq: 08 Feb 2016 18:11

Instrument :

BNA_M

ClientSampleId :

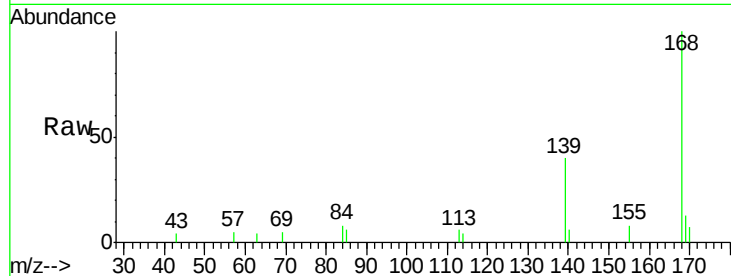
C04K6

Tgt Ion:168 Resp: 10890

Ion Ratio Lower Upper

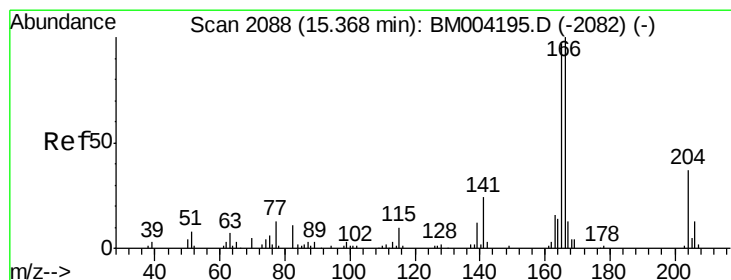
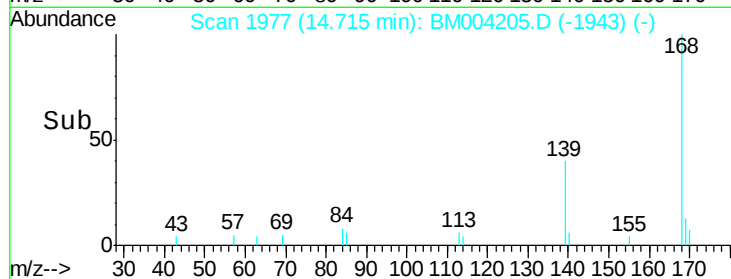
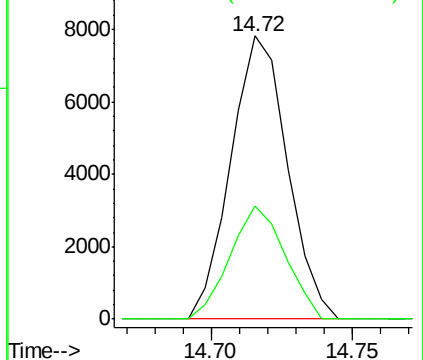
168 100

139 40.0 32.2 48.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 3.07 ng/ul

RT: 15.37 min Scan# 2088

Delta R.T. -0.00 min

Lab File: BM004205.D

Acq: 08 Feb 2016 18:11

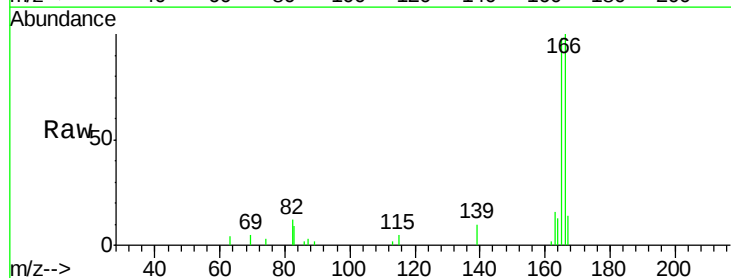
Tgt Ion:166 Resp: 19077

Ion Ratio Lower Upper

166 100

165 98.1 78.5 117.7

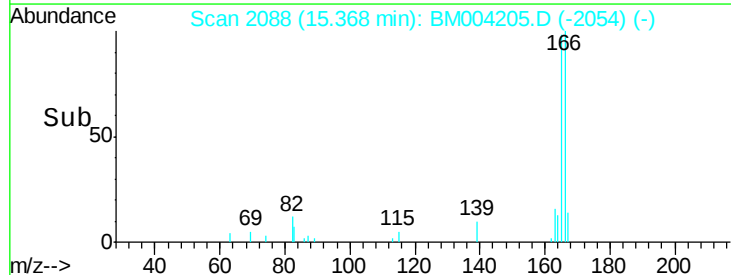
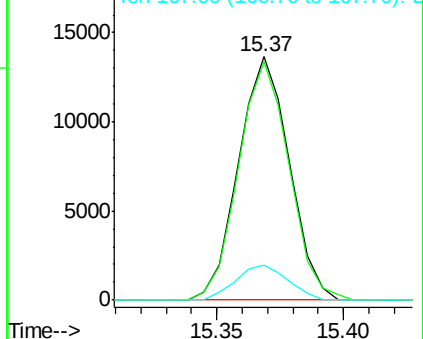
167 14.2 10.7 16.1

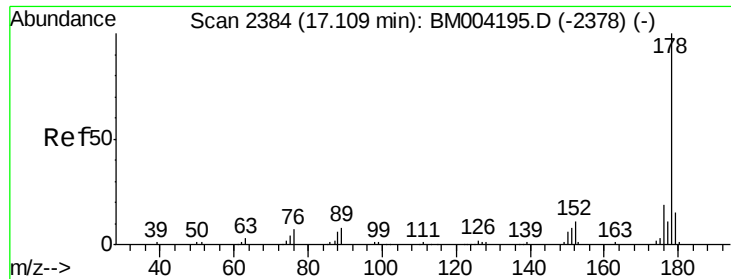


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 27.95 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. -0.00 min

Lab File: BM004205.D

Acq: 08 Feb 2016 18:11

Instrument :

BNA_M

ClientSampleId :

C04K6

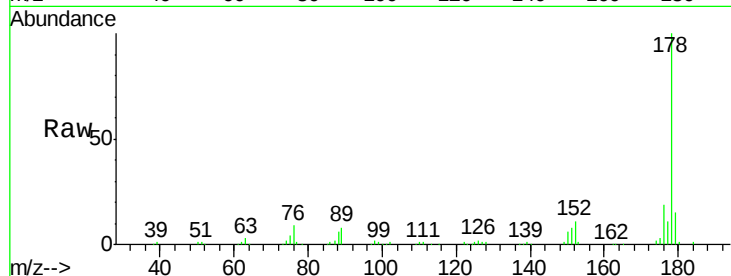
Tgt Ion:178 Resp: 277131

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.4

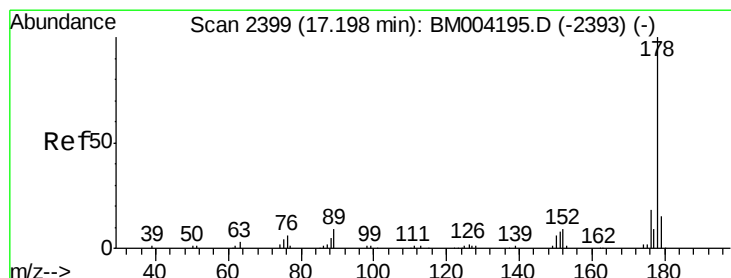
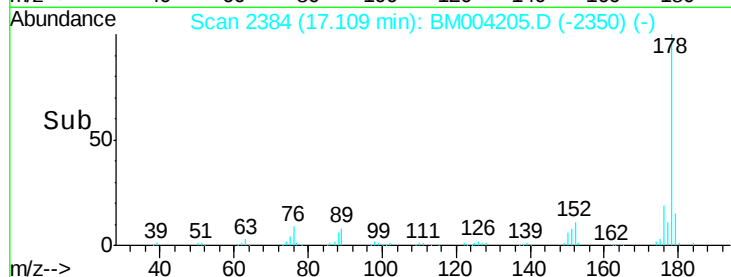
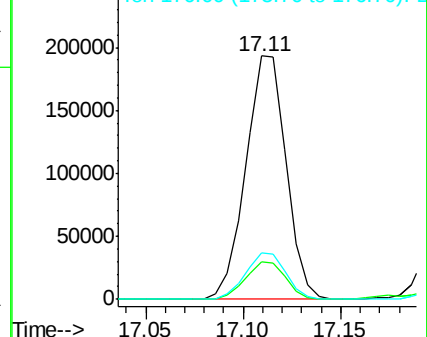
176 18.9 15.6 23.4



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: 7.46 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. 0.01 min

Lab File: BM004205.D

Acq: 08 Feb 2016 18:11

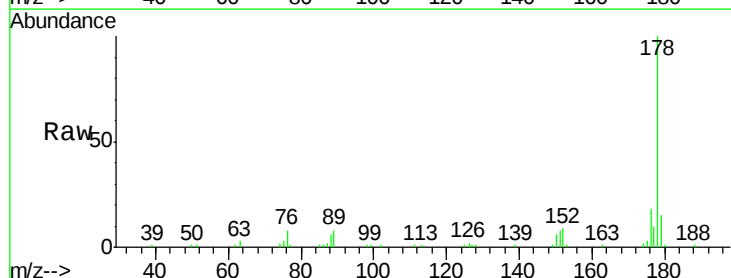
Tgt Ion:178 Resp: 75036

Ion Ratio Lower Upper

178 100

179 15.1 12.1 18.1

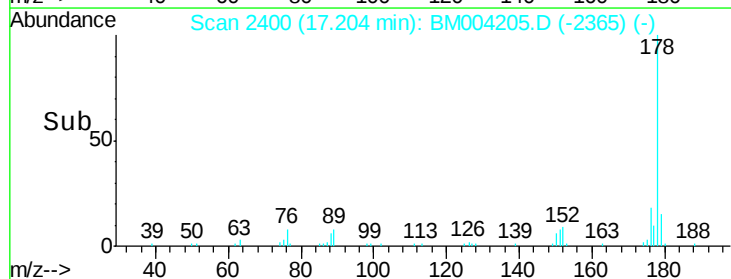
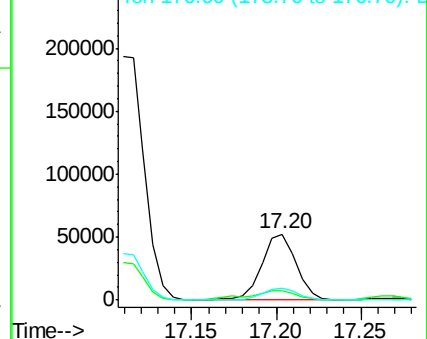
176 18.1 14.8 22.2

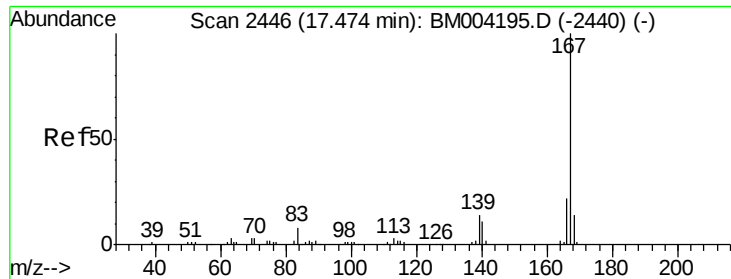


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

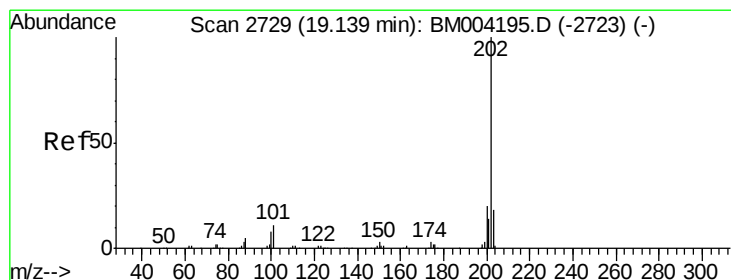
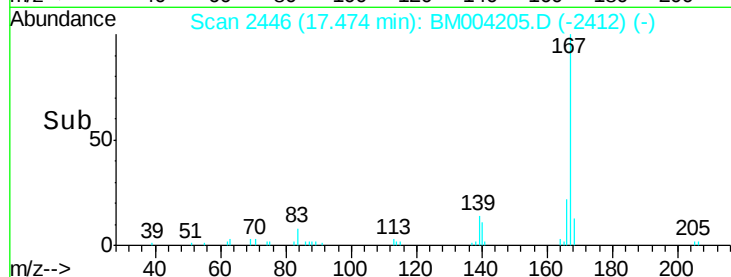
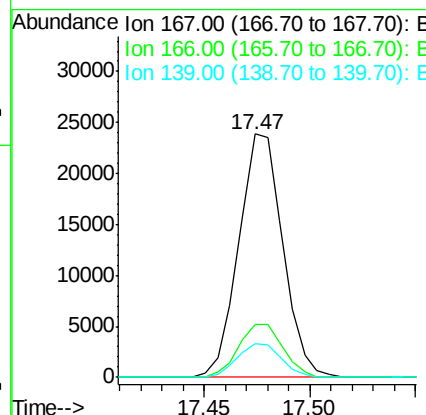
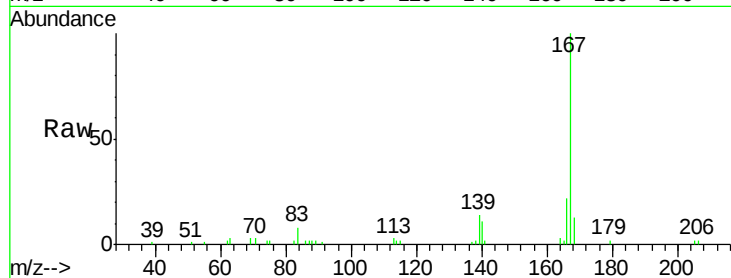




#75
 Carbazole
 Concen: 3.77 ng/ul
 RT: 17.47 min Scan# 2446
 Delta R.T. -0.00 min
 Lab File: BM004205.D
 Acq: 08 Feb 2016 18:11

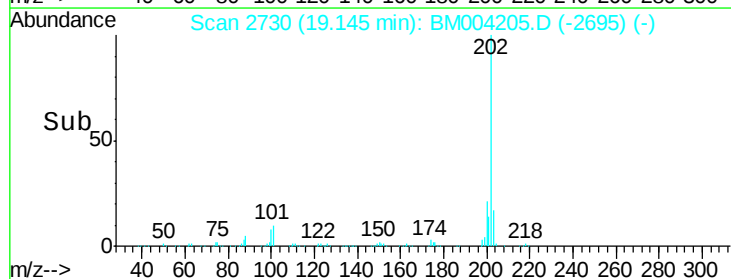
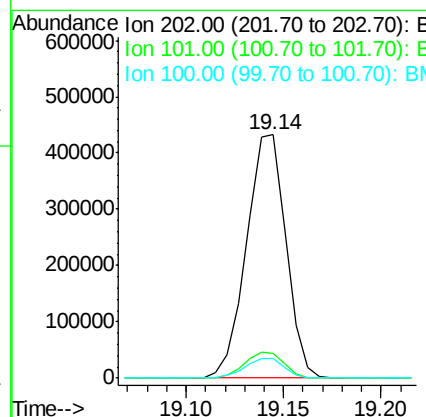
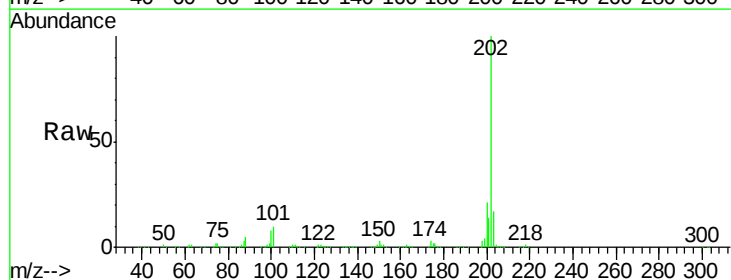
Instrument :
 BNA_M
 ClientSampleId :
 C04K6

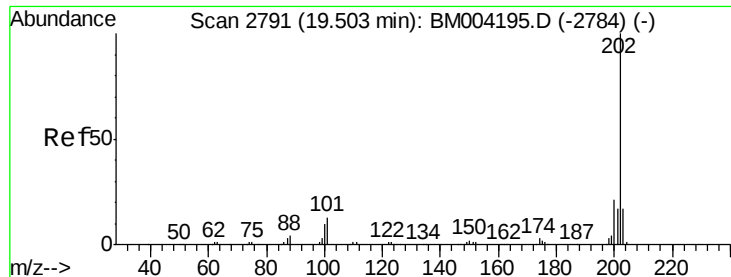
Tgt Ion:167 Resp: 34459
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.0 25.6
 139 13.8 11.0 16.4



#77
 Fluoranthene
 Concen: 52.52 ng/ul
 RT: 19.14 min Scan# 2730
 Delta R.T. 0.01 min
 Lab File: BM004205.D
 Acq: 08 Feb 2016 18:11

Tgt Ion:202 Resp: 606149
 Ion Ratio Lower Upper
 202 100
 101 10.2 8.8 13.2
 100 7.9 6.6 9.8

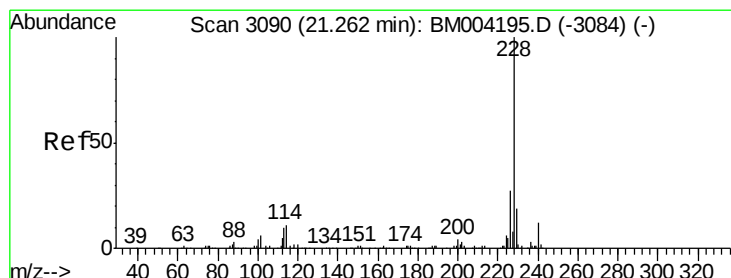
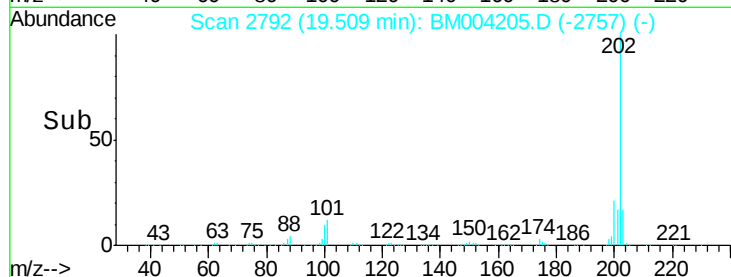
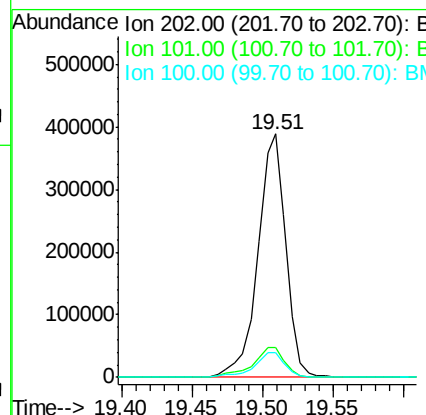
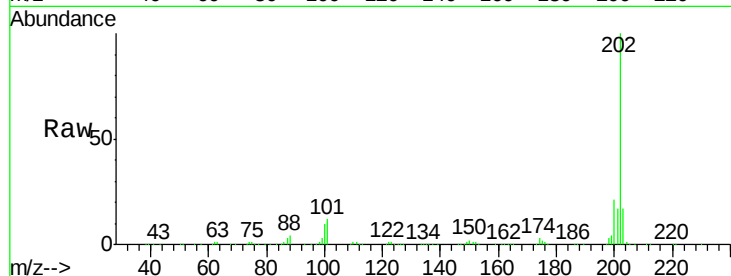




#80
Pyrene
Concen: 43.08 ng/u1
RT: 19.51 min Scan# 2792
Delta R.T. 0.01 min
Lab File: BM004205.D
Acq: 08 Feb 2016 18:11

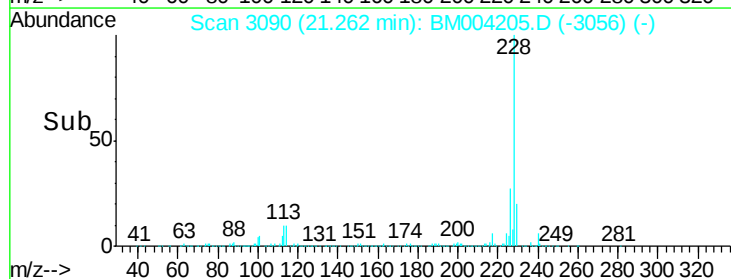
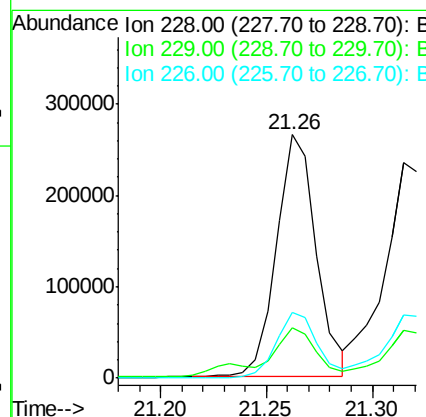
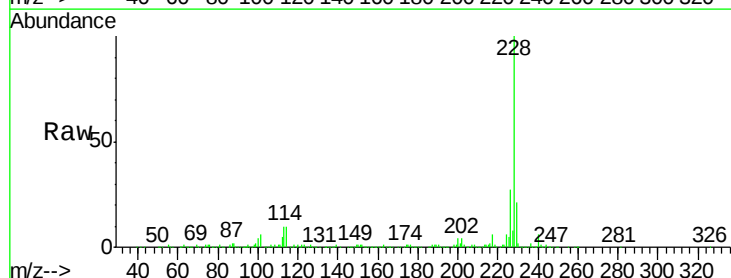
Instrument :
BNA_M
ClientSampled :
C04K6

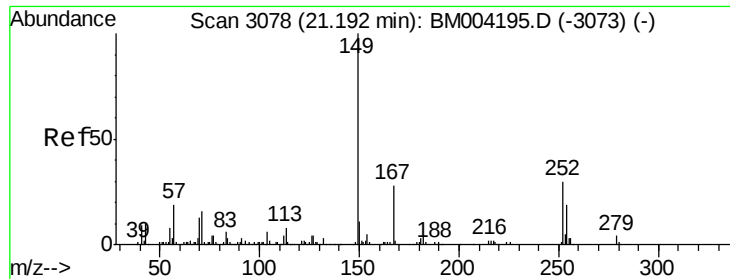
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.1	10.2	15.2
100	10.0	8.5	12.7



#83
Benzo(a)anthracene
Concen: 26.67 ng/u1
RT: 21.26 min Scan# 3090
Delta R.T. -0.00 min
Lab File: BM004205.D
Acq: 08 Feb 2016 18:11

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.7	23.5
226	27.2	21.8	32.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 12.49 ng/ul

RT: 21.19 min Scan# 3078

Delta R.T. -0.00 min

Lab File: BM004205.D

Acq: 08 Feb 2016 18:11

Instrument :

BNA_M

ClientSampleId :

C04K6

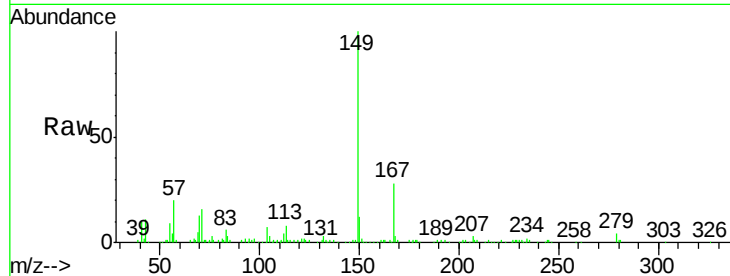
Tgt Ion:149 Resp: 100397

Ion Ratio Lower Upper

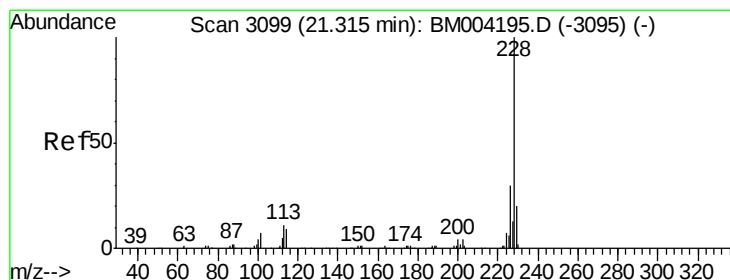
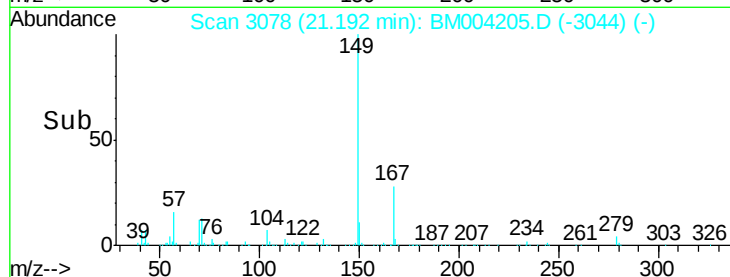
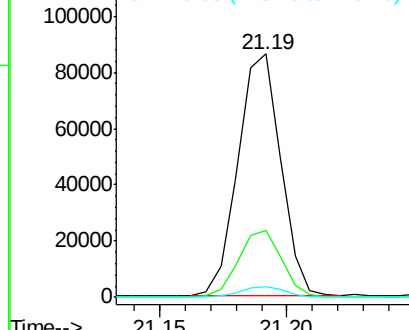
149 100

167 27.7 21.6 32.4

279 4.2 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Chrysene

Concen: 27.69 ng/ul

RT: 21.32 min Scan# 3099

Delta R.T. 0.00 min

Lab File: BM004205.D

Acq: 08 Feb 2016 18:11

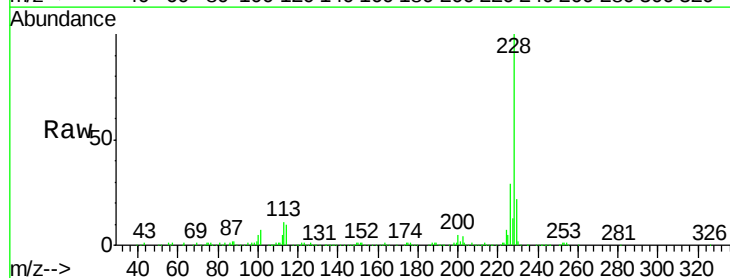
Tgt Ion:228 Resp: 342047

Ion Ratio Lower Upper

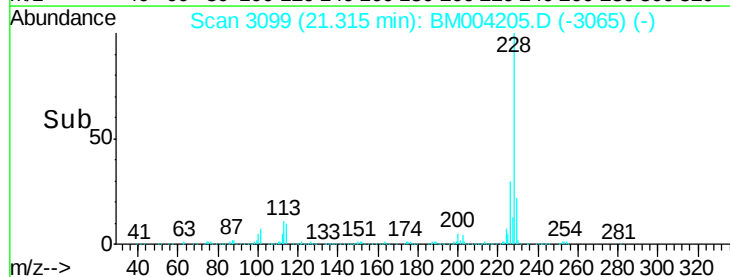
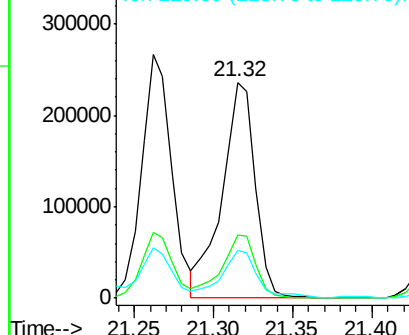
228 100

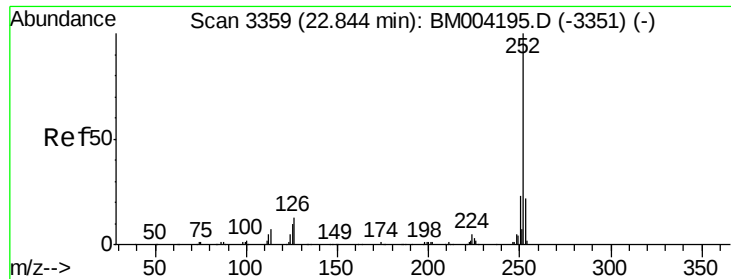
226 29.5 24.0 36.0

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

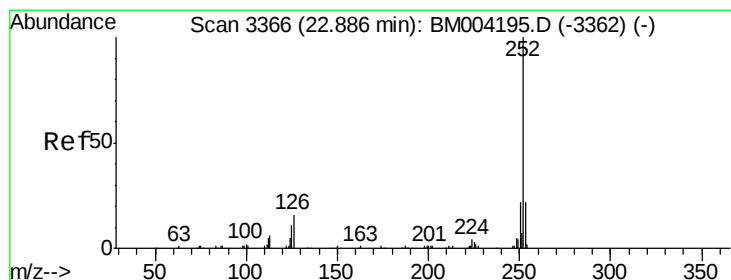
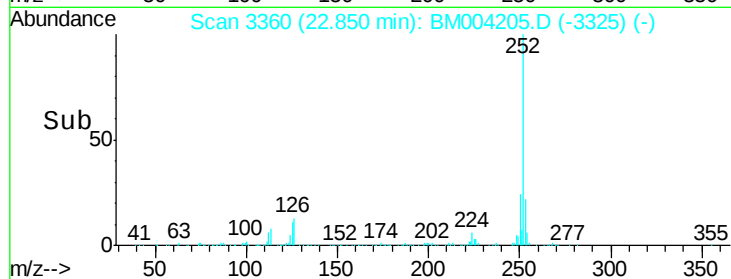
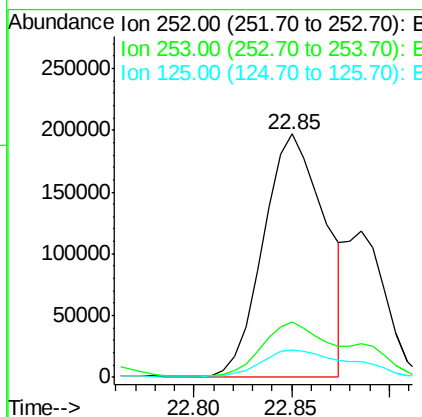
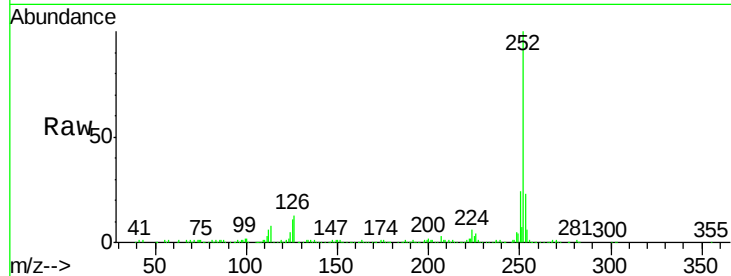




#88
Benzo(b)fluoranthene
Concen: 32.85 ng/u1
RT: 22.85 min Scan# 3360
Delta R.T. 0.01 min
Lab File: BM004205.D
Acq: 08 Feb 2016 18:11

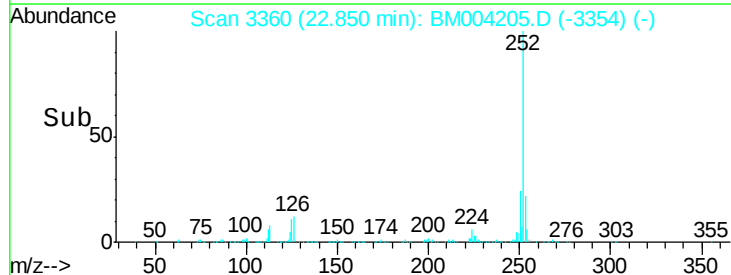
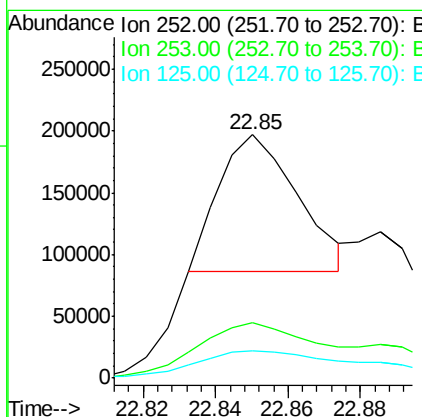
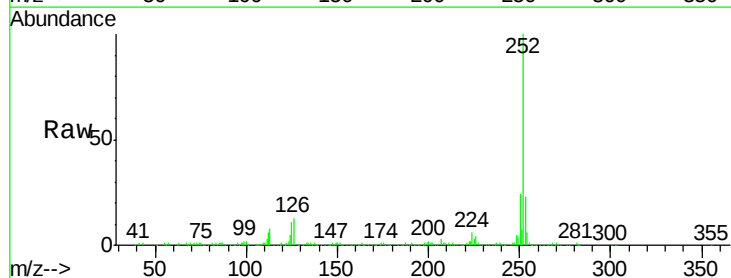
Instrument :
BNA_M
ClientSampled :
C04K6

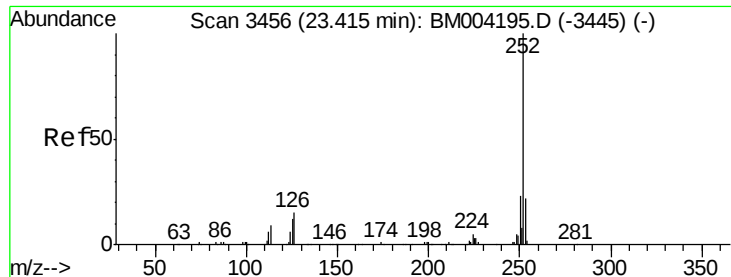
Tgt Ion:252 Resp: 430710
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 11.1 8.5 12.7



#89
Benzo(k)fluoranthene
Concen: 13.73 ng/u1
RT: 22.85 min Scan# 3360
Delta R.T. -0.04 min
Lab File: BM004205.D
Acq: 08 Feb 2016 18:11

Tgt Ion:252 Resp: 167689
Ion Ratio Lower Upper
252 100
253 22.7 17.3 25.9
125 11.1 8.2 12.2





#91

Benzo(a)pyrene

Concen: 23.33 ng/ul

RT: 23.42 min Scan# 3457

Delta R.T. 0.01 min

Lab File: BM004205.D

Acq: 08 Feb 2016 18:11

Instrument :

BNA_M

ClientSampleId :

C04K6

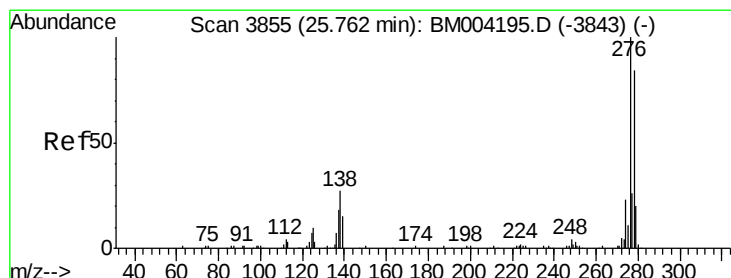
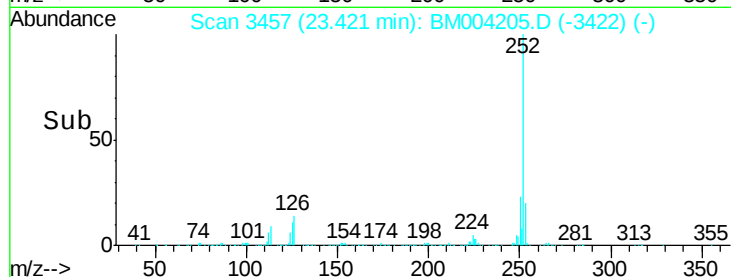
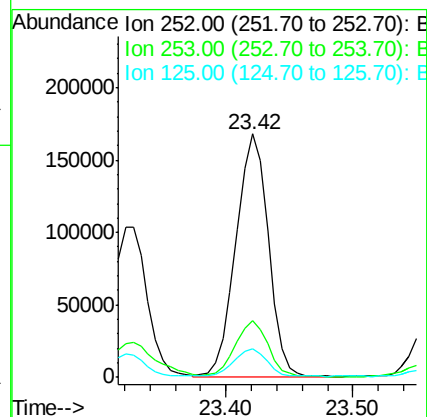
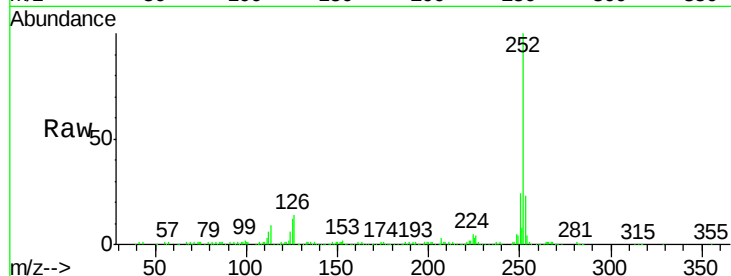
Tgt Ion:252 Resp: 295557

Ion Ratio Lower Upper

252 100

253 23.3 17.2 25.8

125 11.9 9.0 13.6



#92

Indeno(1,2,3-cd)pyrene

Concen: 11.35 ng/ul

RT: 25.77 min Scan# 3856

Delta R.T. 0.01 min

Lab File: BM004205.D

Acq: 08 Feb 2016 18:11

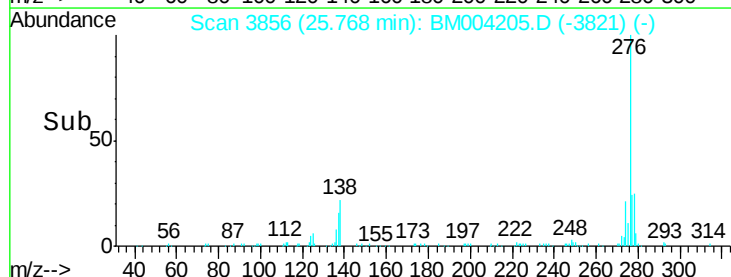
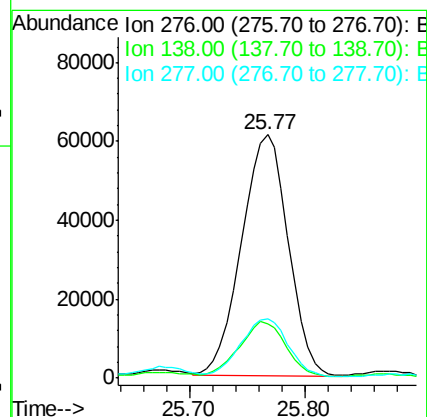
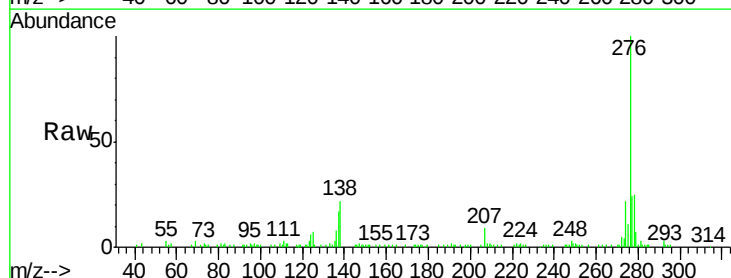
Tgt Ion:276 Resp: 171570

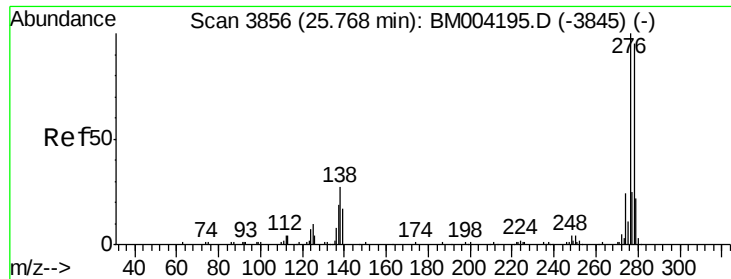
Ion Ratio Lower Upper

276 100

138 22.2 22.3 33.5#

277 24.4 20.2 30.2





#93

Dibenzo(a,h)anthracene

Concen: 3.87 ng/ul

RT: 25.77 min Scan# 3856

Delta R.T. 0.00 min

Lab File: BM004205.D

Acq: 08 Feb 2016 18:11

Instrument :

BNA_M

ClientSampleId :

C04K6

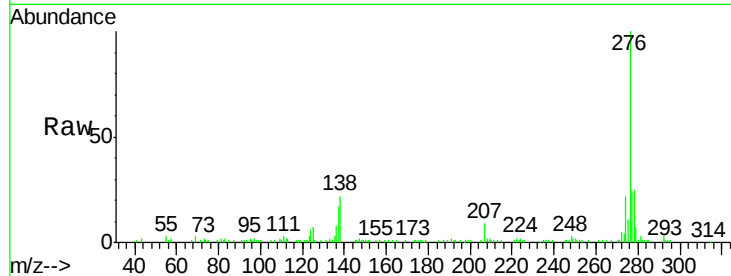
Tgt Ion:278 Resp: 48848

Ion Ratio Lower Upper

278 100

139 0.0 13.9 20.9#

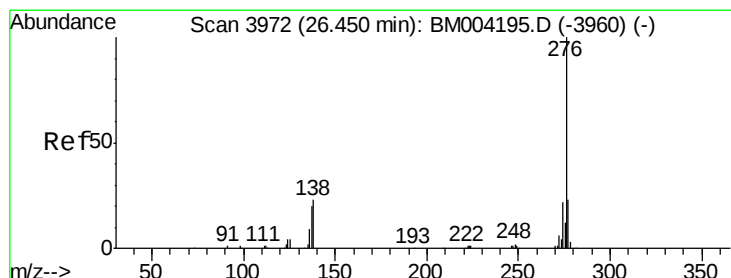
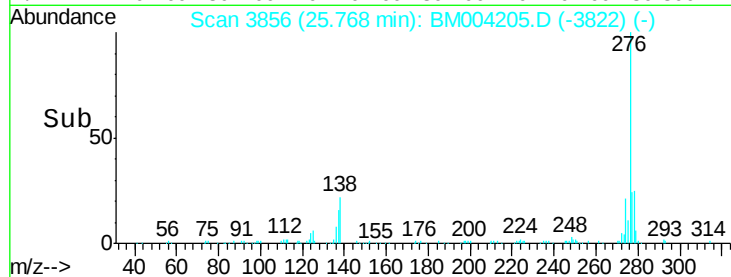
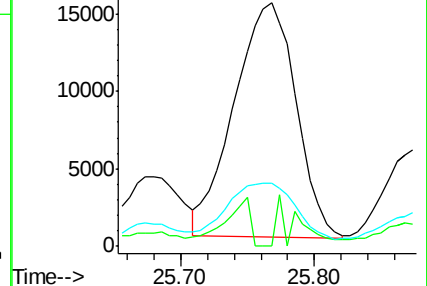
279 25.7 19.0 28.4



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: 9.64 ng/ul

RT: 26.46 min Scan# 3973

Delta R.T. 0.01 min

Lab File: BM004205.D

Acq: 08 Feb 2016 18:11

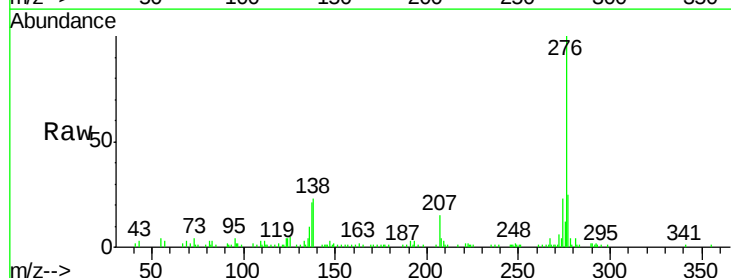
Tgt Ion:276 Resp: 124307

Ion Ratio Lower Upper

276 100

138 23.3 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

