

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
 Data File : BM004043.D
 Acq On : 15 Jan 2016 12:22
 Operator : SJ/UM
 Sample : H1100-01 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC982

Quant Time: Jan 16 00:36:59 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jan 16 00:22:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	36373	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	176064	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	103291	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	228085	20.00	ng/ul	0.00
78) Chrysene-d12	21.28	240	193821	20.00	ng/ul	0.00
86) Perylene-d12	23.51	264	171017	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.85	99	4832	1.60	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	2799	1.64	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	4168	1.68	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	3487	1.42	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	1652	1.25	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	1598	1.10	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	3755	1.45	ng/ul	0.01
29) 4-Chloroaniline-d4	10.62	131	505	0.15	ng/ul	0.02
44) Dimethylphthalate-d6	13.73	166	14724	1.82	ng/ul	0.00
47) Acenaphthylene-d8	14.01	160	18705	1.89	ng/ul	0.00
52) 4-Nitrophenol-d4	14.56	143	384	0.26	ng/ul	0.02
58) Fluorene-d10	15.32	176	14669	2.13	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.17	188	22510	2.13	ng/ul	0.00
79) Pyrene-d10	19.47	212	24662	2.46	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.37	264	18819	2.20	ng/ul	0.00

Target Compounds

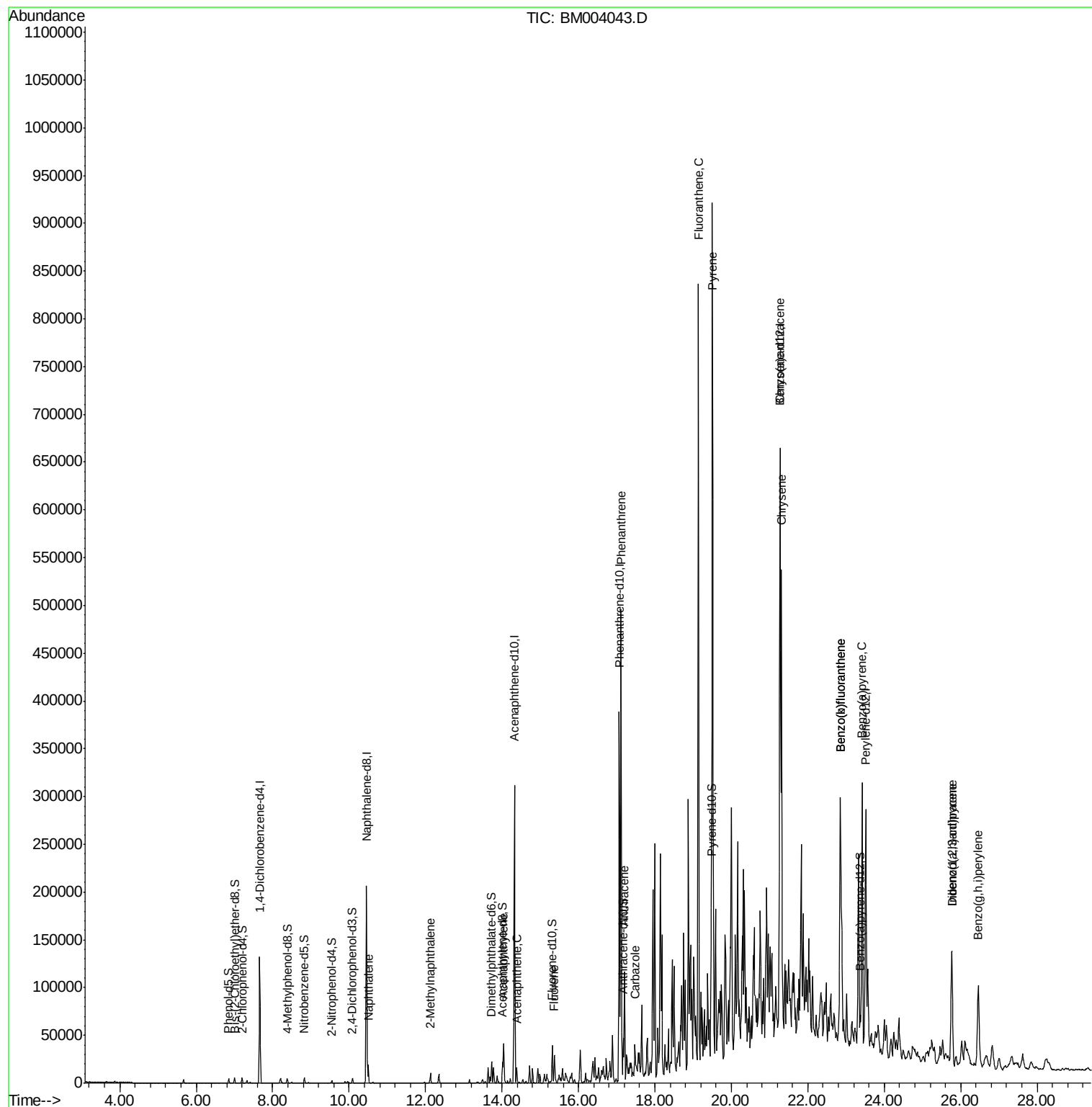
						Qvalue
28) Naphthalene	10.50	128	17851	1.95	ng/ul	99
34) 2-Methylnaphthalene	12.13	142	7043	1.09	ng/ul	93
48) Acenaphthylene	14.04	152	34557	3.19	ng/ul	99
50) Acenaphthene	14.39	153	7877	1.10	ng/ul	97
59) Fluorene	15.37	166	15367	1.93	ng/ul	100
70) Phenanthrene	17.12	178	293558	22.89	ng/ul	100
72) Anthracene	17.20	178	69532	5.29	ng/ul	99
75) Carbazole	17.48	167	17806	1.54	ng/ul	96
77) Fluoranthene	19.14	202	452949	33.98	ng/ul	98
80) Pyrene	19.50	202	559459	42.52	ng/ul	98
83) Benzo(a)anthracene	21.26	228	210116	18.20	ng/ul	96
85) Chrysene	21.31	228	250414	22.83	ng/ul	97
88) Benzo(b)fluoranthene	22.85	252	232545	22.37	ng/ul	98
89) Benzo(k)fluoranthene	22.85	252	70002	7.08	ng/ul	97
91) Benzo(a)pyrene	23.42	252	186671	18.93	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.77	276	106969	9.81	ng/ul	97
93) Dibenzo(a,h)anthracene	25.77	278	32842	3.58	ng/ul#	79
94) Benzo(g,h,i)perylene	26.46	276	100767	11.00	ng/ul	98

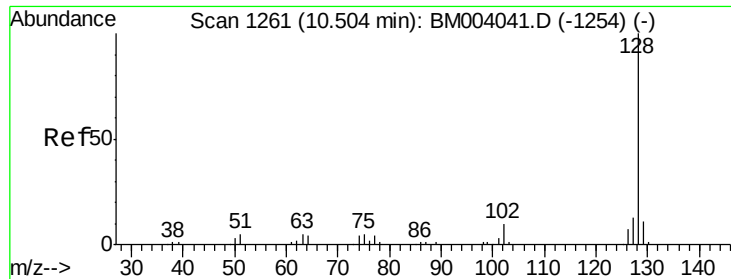
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004043.D
Acq On : 15 Jan 2016 12:22
Operator : SJ/UM
Sample : H1100-01 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BC982

Quant Time: Jan 16 00:36:59 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jan 16 00:22:06 2016
Response via : Initial Calibration

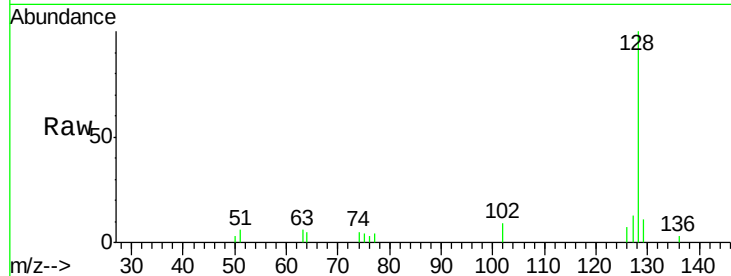




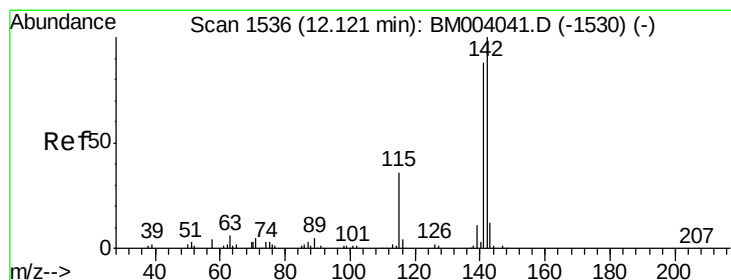
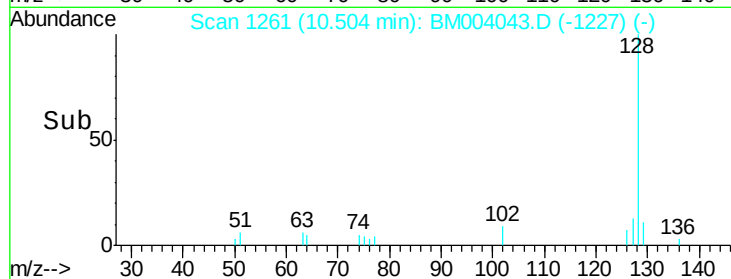
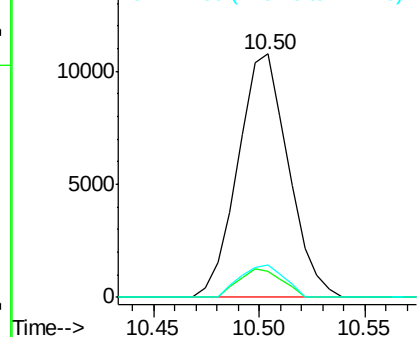
#28
Naphthalene
Concen: 1.95 ng/ul
RT: 10.50 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BM004043.D
Acq: 15 Jan 2016 12:22

Instrument :
BNA_M
ClientSampleId :
BC982

Tgt Ion:128 Resp: 17851
Ion Ratio Lower Upper
128 100
129 10.5 8.8 13.2
127 13.3 10.5 15.7

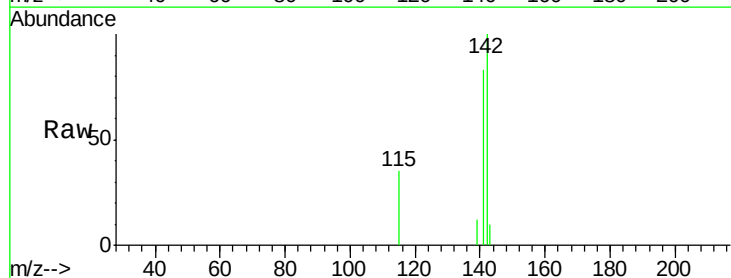


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

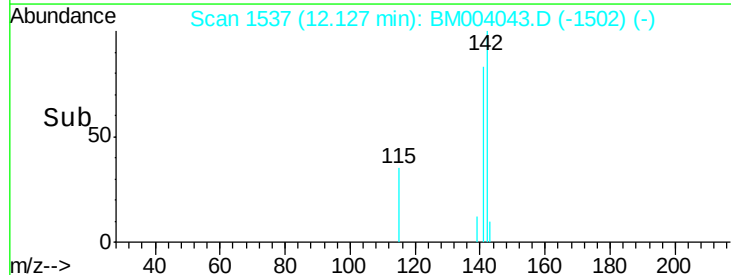
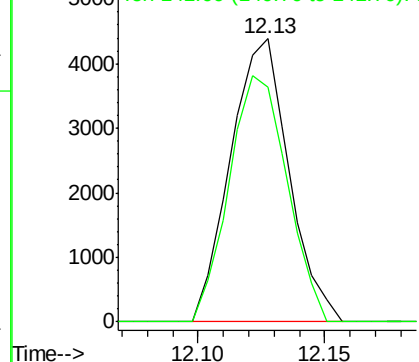


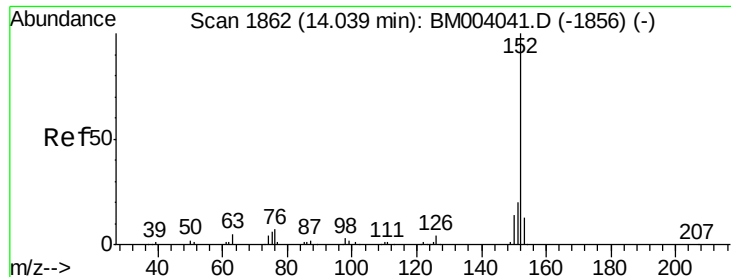
#34
2-Methylnaphthalene
Concen: 1.09 ng/ul
RT: 12.13 min Scan# 1537
Delta R.T. 0.01 min
Lab File: BM004043.D
Acq: 15 Jan 2016 12:22

Tgt Ion:142 Resp: 7043
Ion Ratio Lower Upper
142 100
141 83.1 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#48

Acenaphthylene

Concen: 3.19 ng/ul

RT: 14.04 min Scan# 1862

Delta R.T. -0.00 min

Lab File: BM004043.D

Acq: 15 Jan 2016 12:22

Instrument :

BNA_M

ClientSampled :

BC982

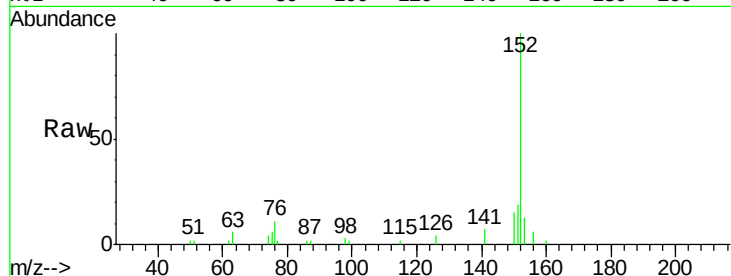
Tgt Ion:152 Resp: 34557

Ion Ratio Lower Upper

152 100

151 19.0 15.7 23.5

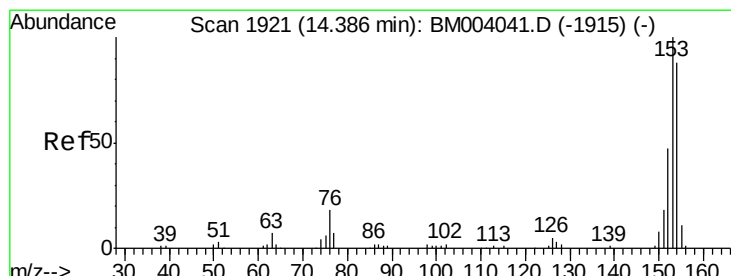
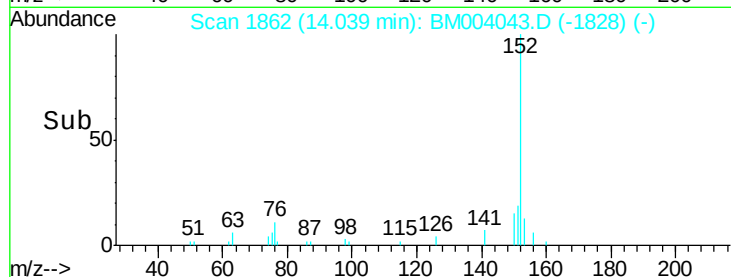
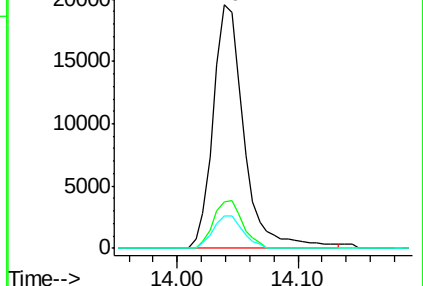
153 13.3 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Acenaphthene

Concen: 1.10 ng/ul

RT: 14.39 min Scan# 1921

Delta R.T. -0.00 min

Lab File: BM004043.D

Acq: 15 Jan 2016 12:22

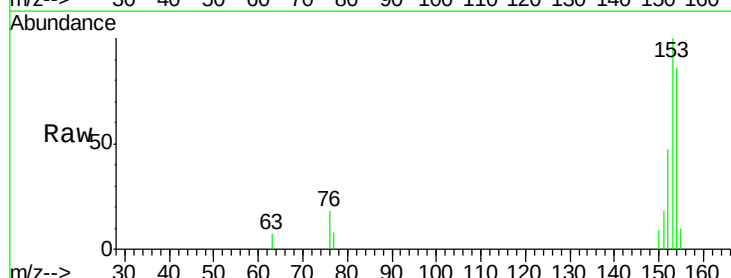
Tgt Ion:153 Resp: 7877

Ion Ratio Lower Upper

153 100

152 47.1 38.3 57.5

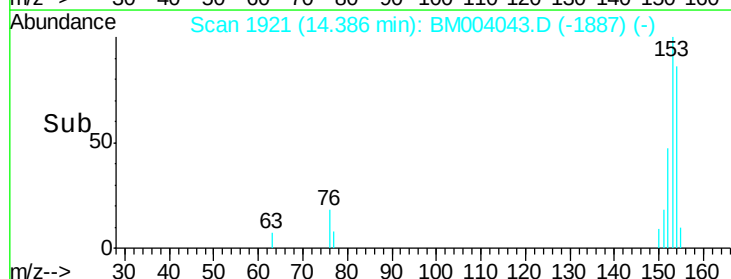
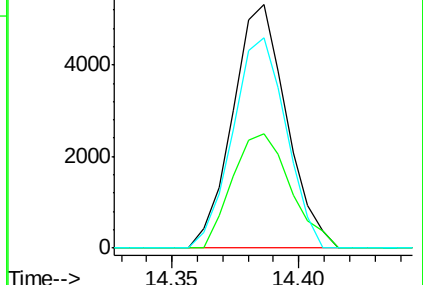
154 86.4 71.8 107.8

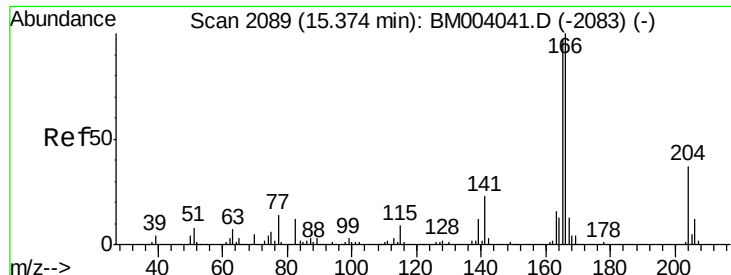


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#59

Fluorene

Concen: 1.93 ng/ul

RT: 15.37 min Scan# 2089

Delta R.T. -0.00 min

Lab File: BM004043.D

Acq: 15 Jan 2016 12:22

Instrument :

BNA_M

ClientSampleId :

BC982

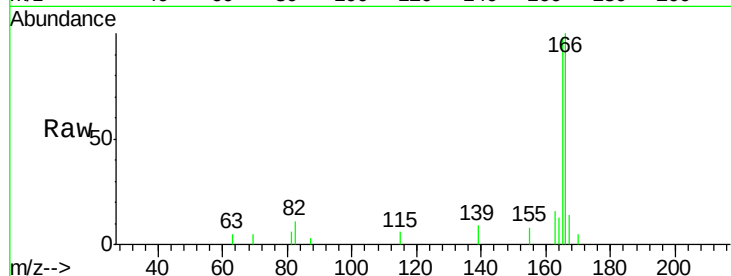
Tgt Ion:166 Resp: 15367

Ion Ratio Lower Upper

166 100

165 98.2 78.5 117.7

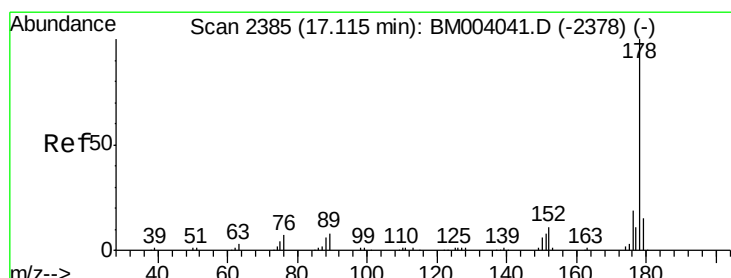
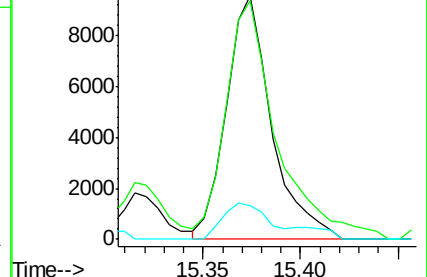
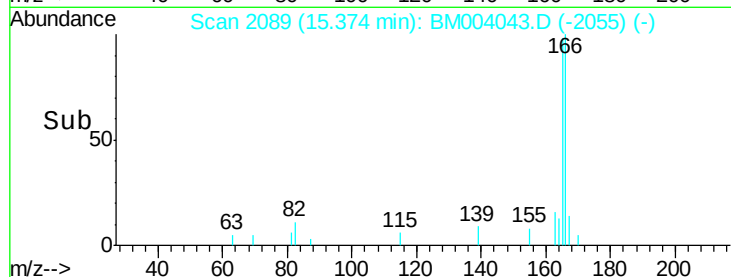
167 13.9 10.7 16.1



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: 22.89 ng/ul

RT: 17.12 min Scan# 2385

Delta R.T. -0.00 min

Lab File: BM004043.D

Acq: 15 Jan 2016 12:22

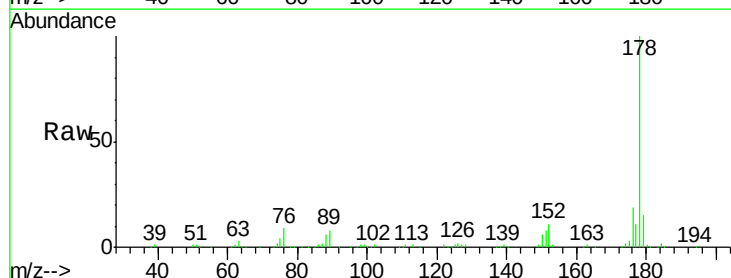
Tgt Ion:178 Resp: 293558

Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.4

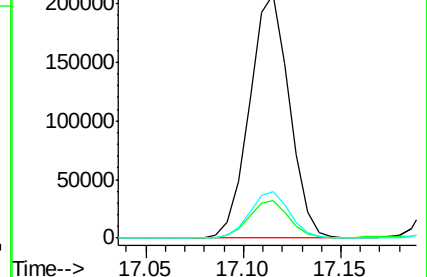
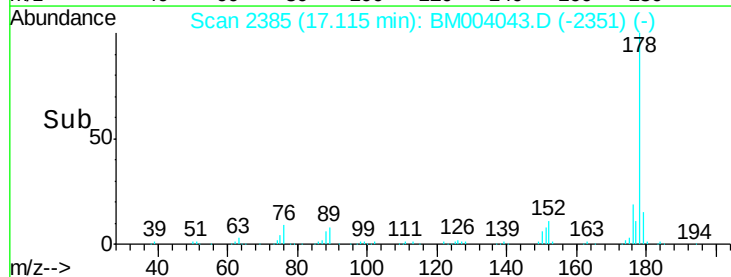
176 19.3 15.6 23.4

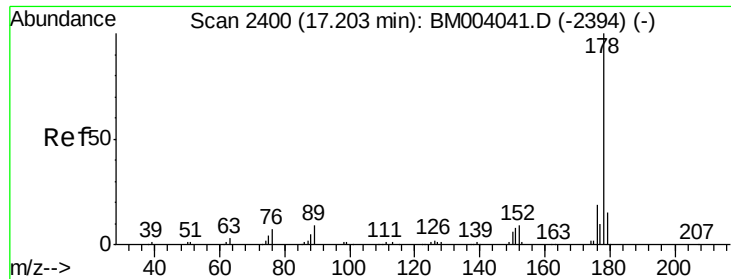


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 5.29 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BM004043.D

Acq: 15 Jan 2016 12:22

Instrument :

BNA_M

ClientSampleId :

BC982

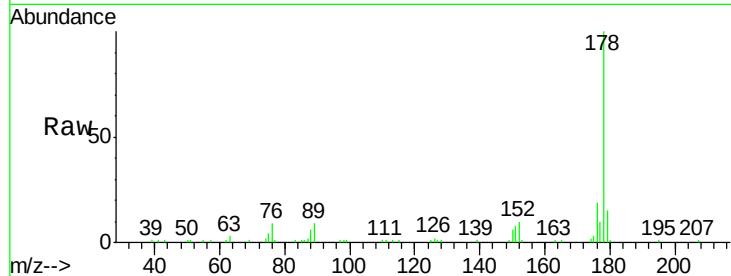
Tgt Ion:178 Resp: 69532

Ion Ratio Lower Upper

178 100

179 15.4 12.1 18.1

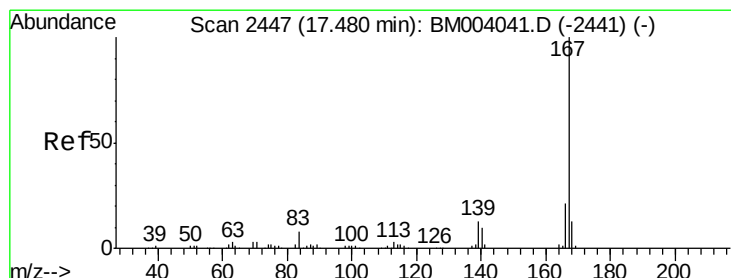
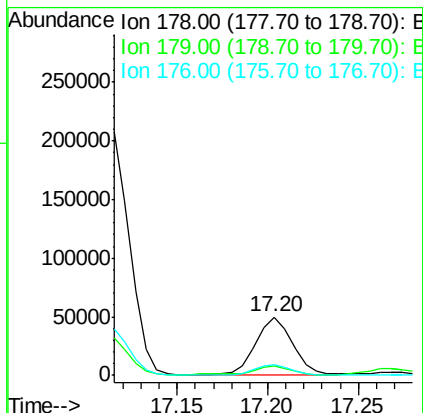
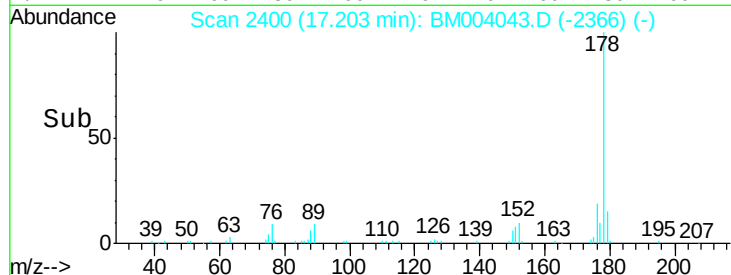
176 18.9 14.8 22.2



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: 1.54 ng/ul

RT: 17.48 min Scan# 2447

Delta R.T. -0.00 min

Lab File: BM004043.D

Acq: 15 Jan 2016 12:22

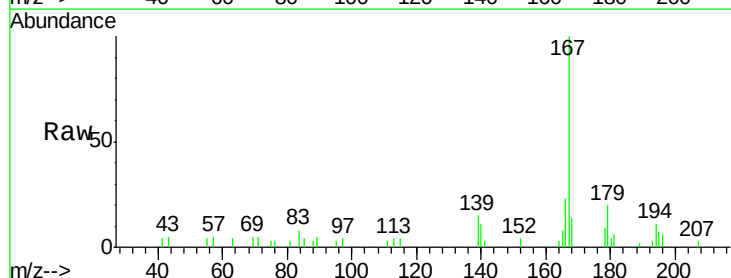
Tgt Ion:167 Resp: 17806

Ion Ratio Lower Upper

167 100

166 23.5 17.0 25.6

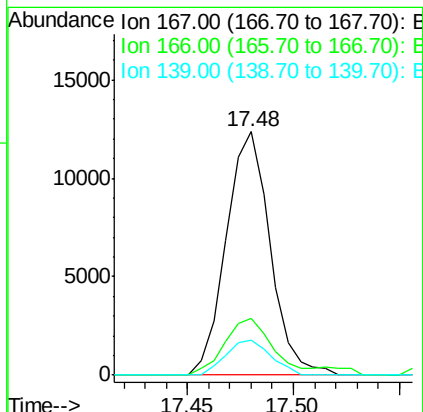
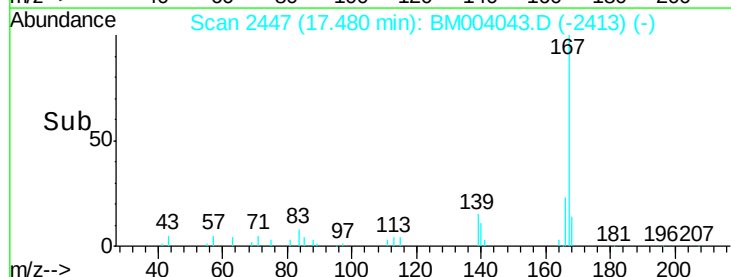
139 14.6 11.0 16.4

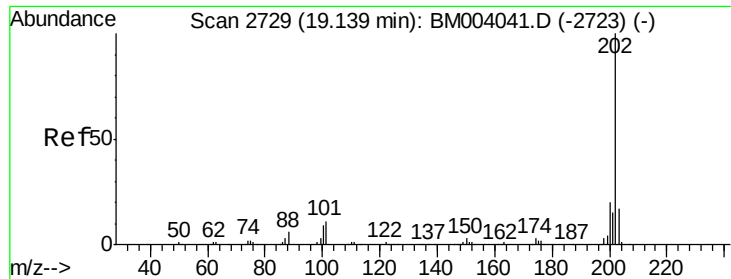


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

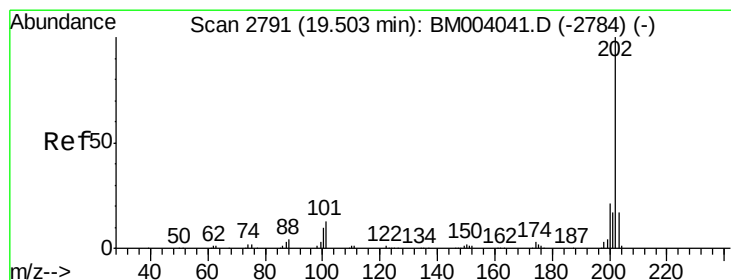
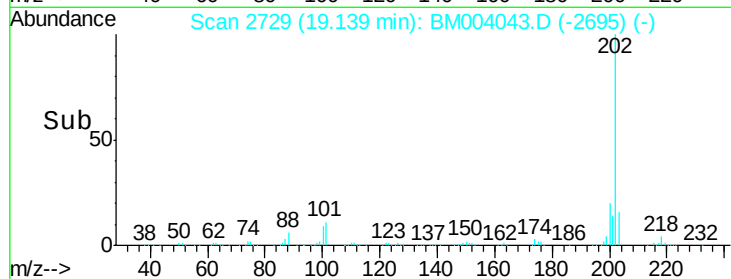
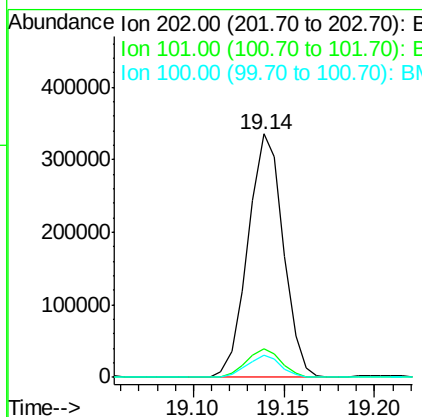
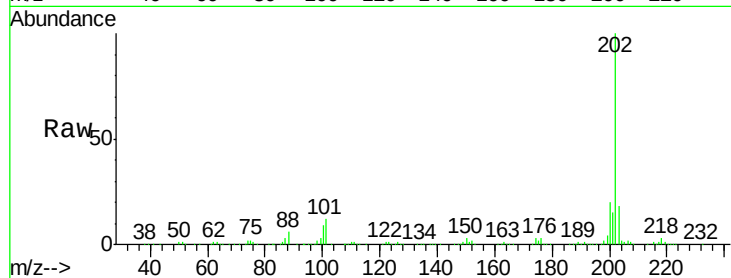




#77
 Fluoranthene
 Concen: 33.98 ng/ul
 RT: 19.14 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: BM004043.D
 Acq: 15 Jan 2016 12:22

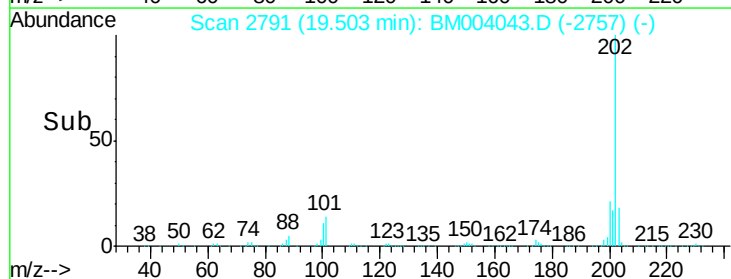
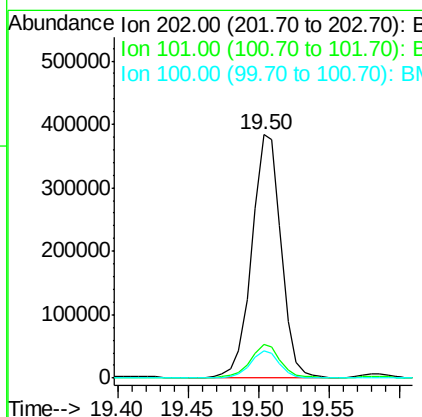
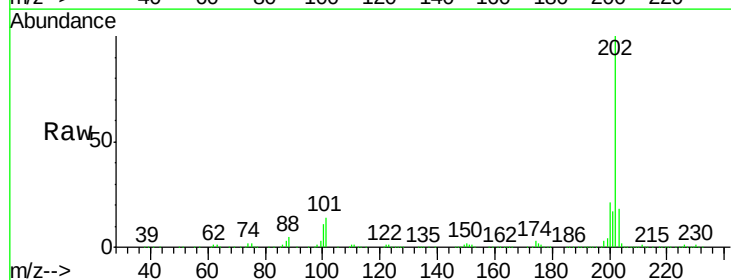
Instrument :
 BNA_M
 ClientSampleId :
 BC982

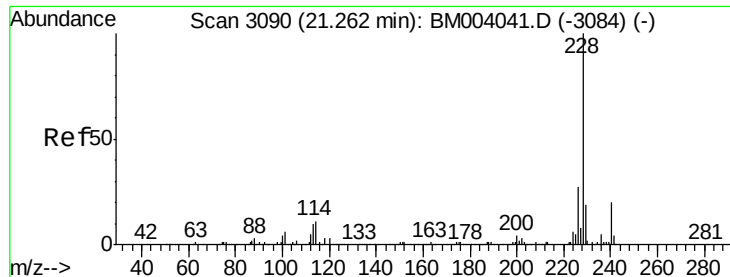
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	8.8	13.2
100	9.0	6.6	9.8



#80
 Pyrene
 Concen: 42.52 ng/ul
 RT: 19.50 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: BM004043.D
 Acq: 15 Jan 2016 12:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.8	10.2	15.2
100	11.3	8.5	12.7





#83

Benzo(a)anthracene

Concen: 18.20 ng/ul

RT: 21.26 min Scan# 3090

Delta R.T. -0.00 min

Lab File: BM004043.D

Acq: 15 Jan 2016 12:22

Instrument :

BNA_M

ClientSampleId :

BC982

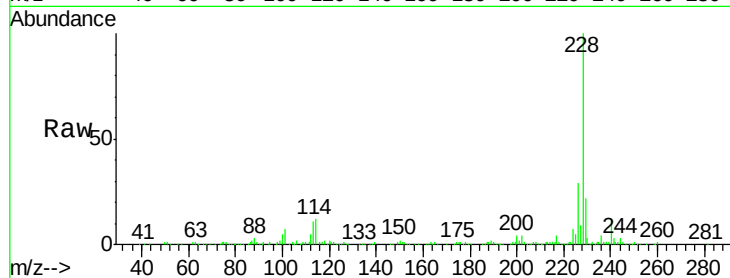
Tgt Ion:228 Resp: 210116

Ion Ratio Lower Upper

228 100

229 22.1 15.7 23.5

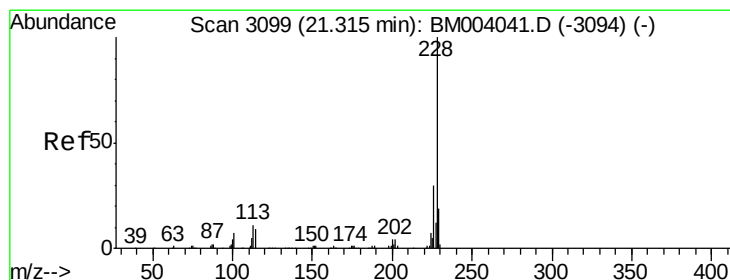
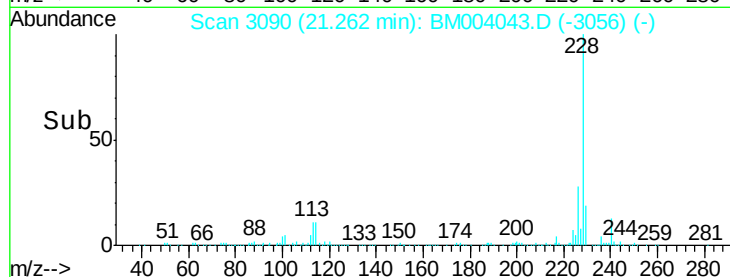
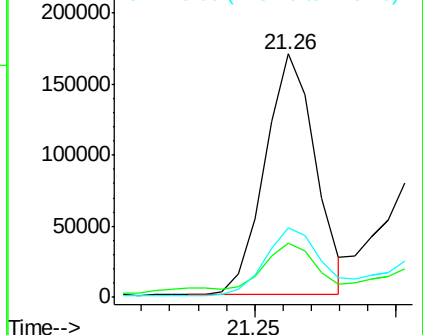
226 28.6 21.8 32.6



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: 22.83 ng/ul

RT: 21.31 min Scan# 3099

Delta R.T. -0.00 min

Lab File: BM004043.D

Acq: 15 Jan 2016 12:22

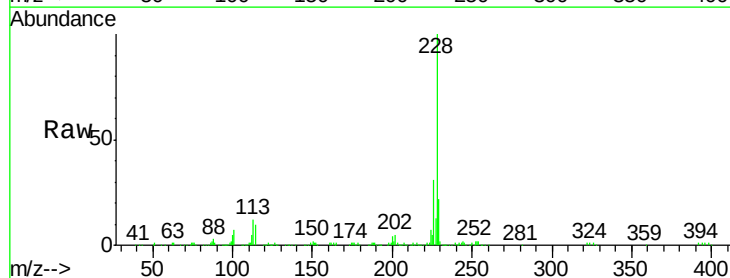
Tgt Ion:228 Resp: 250414

Ion Ratio Lower Upper

228 100

226 30.6 24.0 36.0

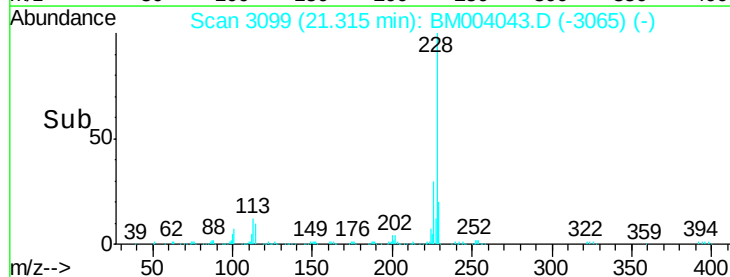
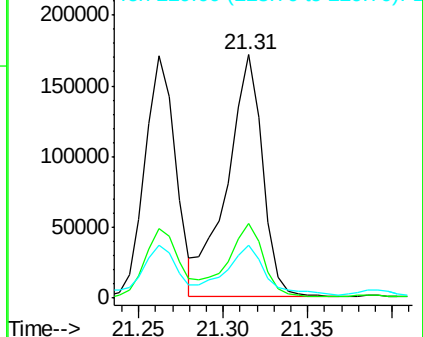
229 21.7 15.6 23.4

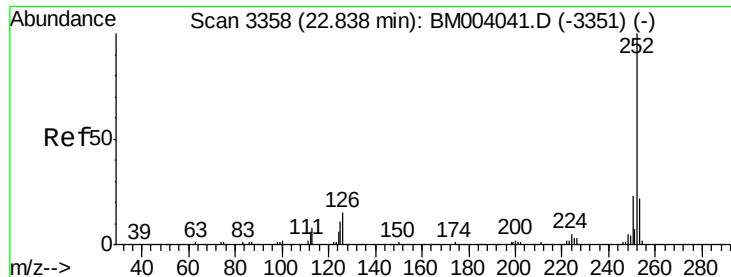


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 22.37 ng/ul

RT: 22.85 min Scan# 3360

Delta R.T. 0.01 min

Lab File: BM004043.D

Acq: 15 Jan 2016 12:22

Instrument :

BNA_M

ClientSampleId :

BC982

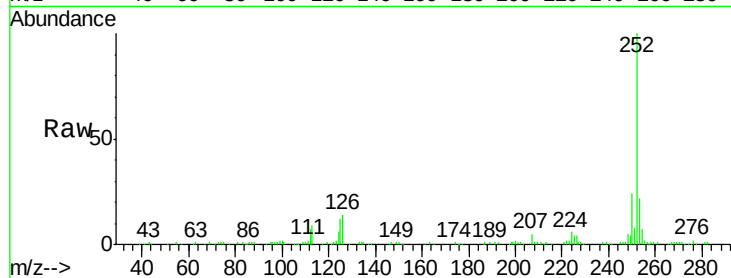
Tgt Ion:252 Resp: 232545

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

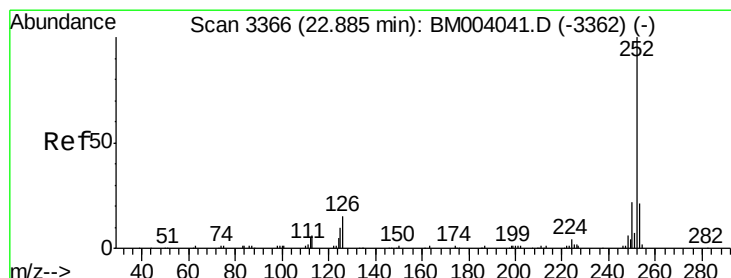
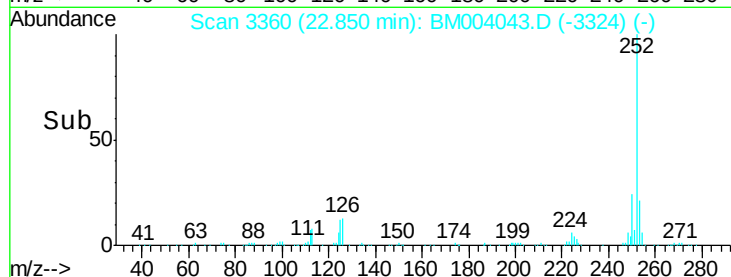
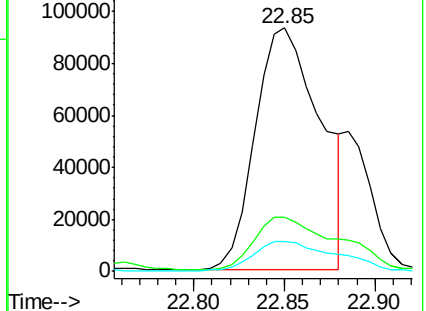
125 12.0 8.5 12.7



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: 7.08 ng/ul

RT: 22.85 min Scan# 3360

Delta R.T. -0.04 min

Lab File: BM004043.D

Acq: 15 Jan 2016 12:22

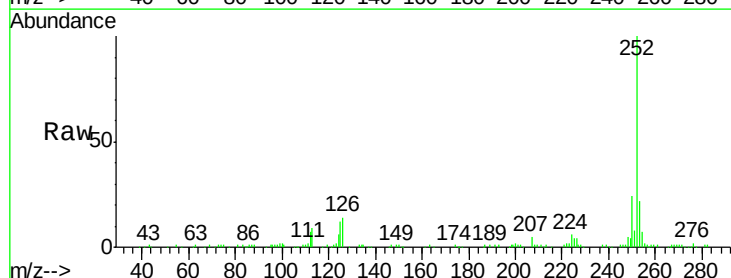
Tgt Ion:252 Resp: 70002

Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

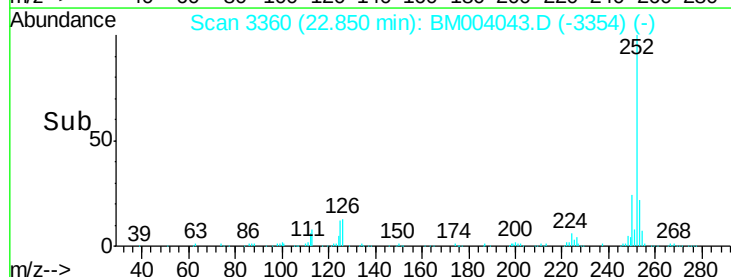
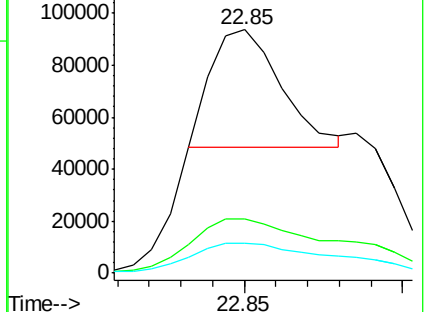
125 12.0 8.2 12.2

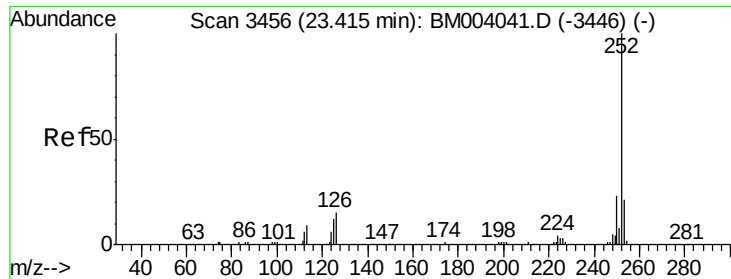


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 18.93 ng/ul

RT: 23.42 min Scan# 3457

Delta R.T. 0.01 min

Lab File: BM004043.D

Acq: 15 Jan 2016 12:22

Instrument :

BNA_M

ClientSampleId :

BC982

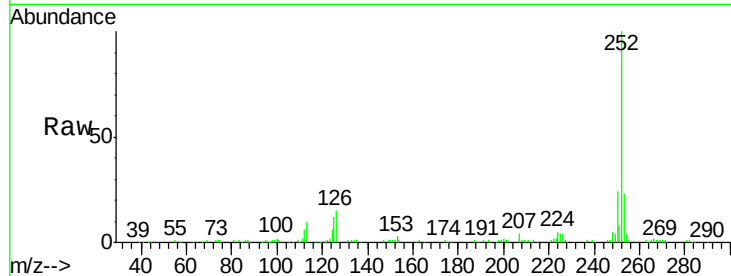
Tgt Ion:252 Resp: 186671

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

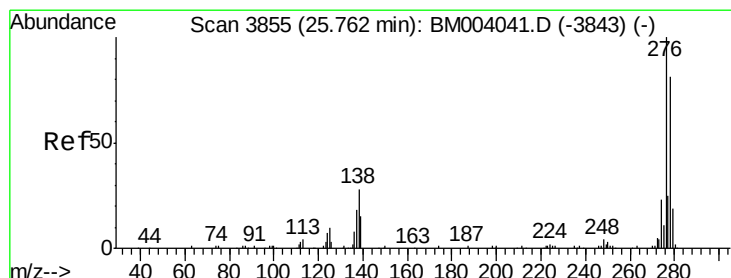
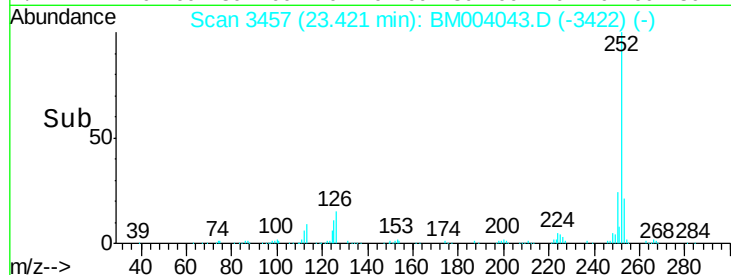
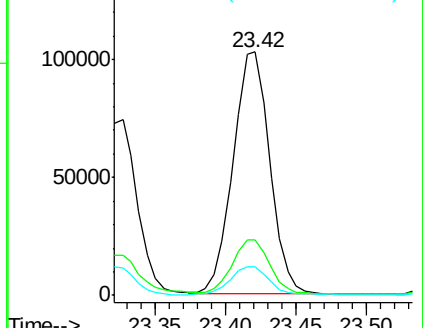
125 11.8 9.0 13.6



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: 9.81 ng/ul

RT: 25.77 min Scan# 3856

Delta R.T. 0.01 min

Lab File: BM004043.D

Acq: 15 Jan 2016 12:22

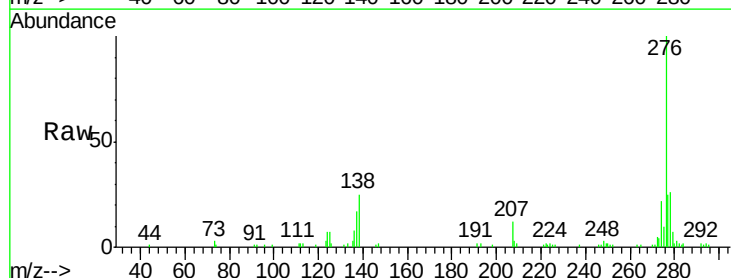
Tgt Ion:276 Resp: 106969

Ion Ratio Lower Upper

276 100

138 25.0 22.3 33.5

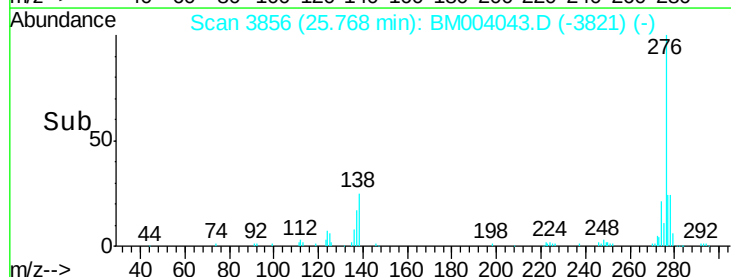
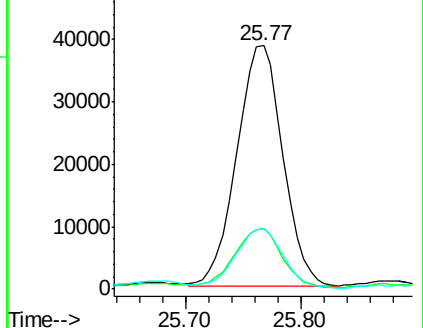
277 24.9 20.2 30.2

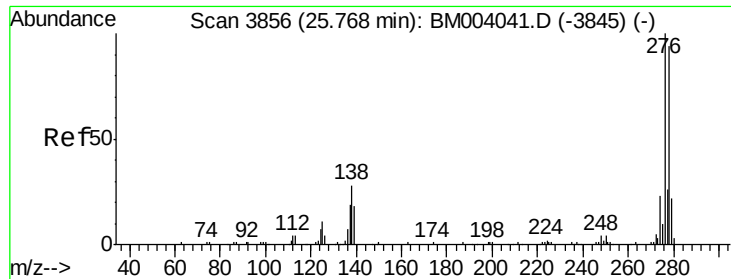


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 3.58 ng/ul

RT: 25.77 min Scan# 3856

Delta R.T. -0.00 min

Lab File: BM004043.D

Acq: 15 Jan 2016 12:22

Instrument :

BNA_M

ClientSampleId :

BC982

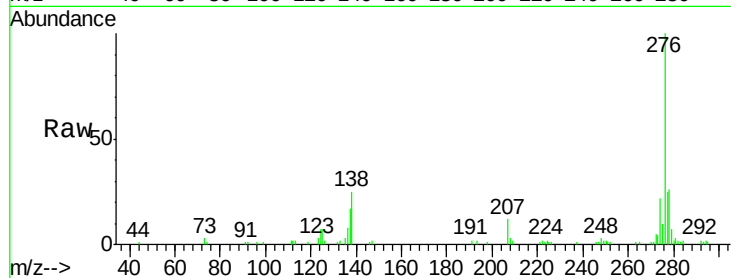
Tgt Ion:278 Resp: 32842

Ion Ratio Lower Upper

278 100

139 0.0 13.9 20.9#

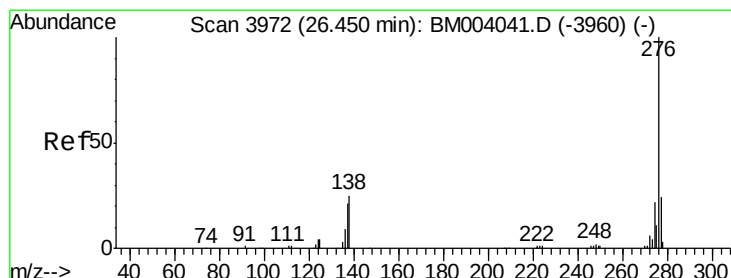
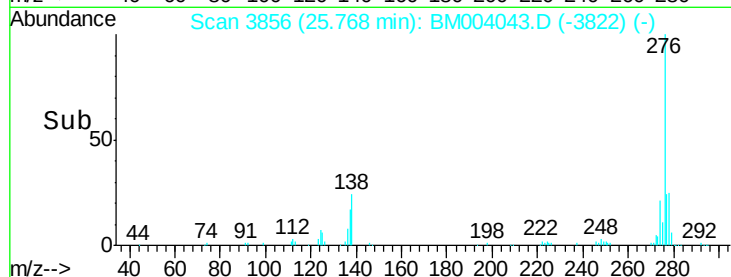
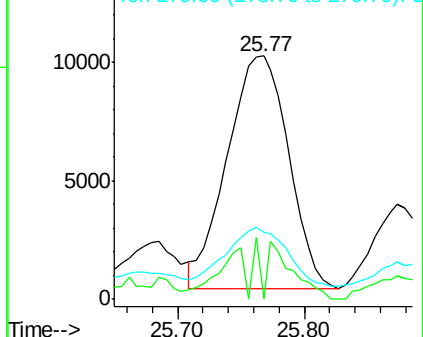
279 27.5 19.0 28.4



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: 11.00 ng/ul

RT: 26.46 min Scan# 3973

Delta R.T. 0.01 min

Lab File: BM004043.D

Acq: 15 Jan 2016 12:22

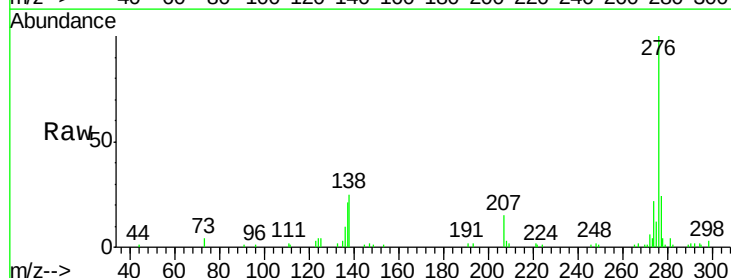
Tgt Ion:276 Resp: 100767

Ion Ratio Lower Upper

276 100

138 24.9 18.9 28.3

277 24.3 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

