

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
 Data File : BM004066.D
 Acq On : 16 Jan 2016 02:13
 Operator : SJ/UM
 Sample : H1100-03 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC984

Quant Time: Jan 16 03:10:25 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jan 16 03:00:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	36027	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	171899	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	99635	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	217706	20.00	ng/ul	0.00
78) Chrysene-d12	21.28	240	189568	20.00	ng/ul	0.00
86) Perylene-d12	23.51	264	171209	20.00	ng/ul	0.00

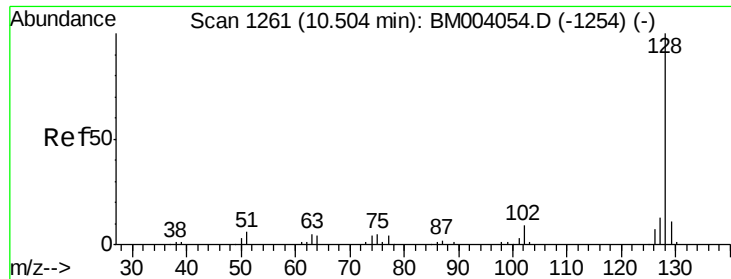
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	408	0.51	ng/uL	0.00
5) Phenol-d5	6.85	99	14074	4.71	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	7784	4.60	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	11900	4.84	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	11278	4.65	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	5486	4.24	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	6029	4.25	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	11175	4.43	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	4186	1.26	ng/ul	0.01
44) Dimethylphthalate-d6	13.73	166	39070	4.99	ng/ul	0.00
47) Acenaphthylene-d8	14.01	160	48242	5.06	ng/ul	0.00
52) 4-Nitrophenol-d4	14.55	143	2990	2.13	ng/ul	0.00
58) Fluorene-d10	15.32	176	35758	5.39	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.46	200	1597	1.30	ng/ul	0.00
71) Anthracene-d10	17.17	188	53609	5.32	ng/ul	0.00
79) Pyrene-d10	19.47	212	54987	5.60	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.37	264	45370	5.31	ng/ul	0.00

Target Compounds

					Qvalue
28) Naphthalene	10.50	128	14541	1.62 ng/ul	100
45) Dimethylphthalate	13.78	163	17732	2.22 ng/ul	100
48) Acenaphthylene	14.04	152	28133	2.69 ng/ul	98
59) Fluorene	15.37	166	12168	1.59 ng/ul	99
70) Phenanthrene	17.12	178	237813	19.43 ng/ul	99
72) Anthracene	17.20	178	58791	4.68 ng/ul	99
75) Carbazole	17.48	167	18074	1.64 ng/ul	97
77) Fluoranthene	19.14	202	391998	30.81 ng/ul	98
80) Pyrene	19.50	202	465959	36.21 ng/ul	98
83) Benzo(a)anthracene	21.26	228	182593	16.18 ng/ul	96
85) Chrysene	21.32	228	205701	19.18 ng/ul	98
88) Benzo(b)fluoranthene	22.85	252	210042	20.18 ng/ul	98
89) Benzo(k)fluoranthene	22.85	252	138502	13.98 ng/ul	97
91) Benzo(a)pyrene	23.42	252	164007	16.62 ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.77	276	96995	8.88 ng/ul	97
93) Dibenzo(a,h)anthracene	25.77	278	28293	3.08 ng/ul#	87
94) Benzo(g,h,i)perylene	26.46	276	87615	9.56 ng/ul	99

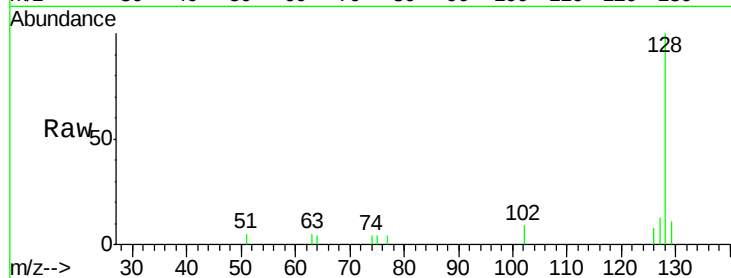
(#) = qualifier out of range (m) = manual integration (+) = signals summed



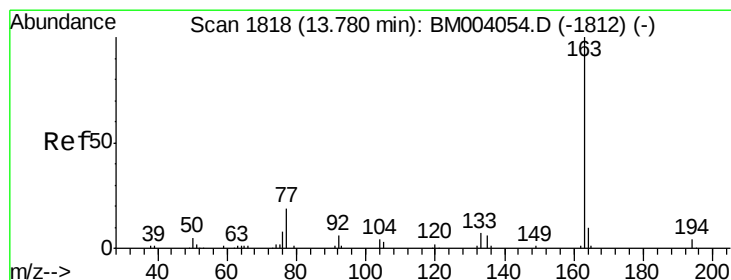
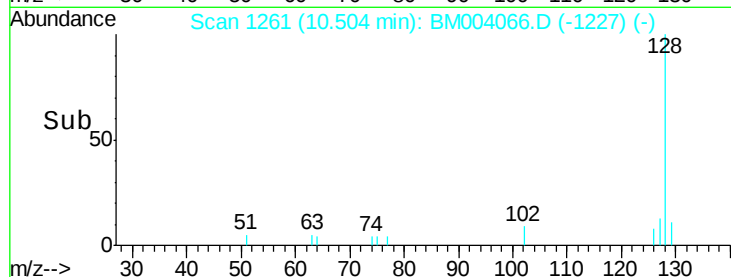
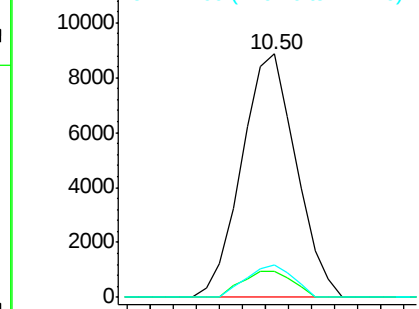
#28
Naphthalene
Concen: 1.62 ng/ul
RT: 10.50 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BM004066.D
Acq: 16 Jan 2016 02:13

Instrument :
BNA_M
ClientSampleId :
BC984

Tgt Ion:128 Resp: 14541
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.3 10.5 15.7

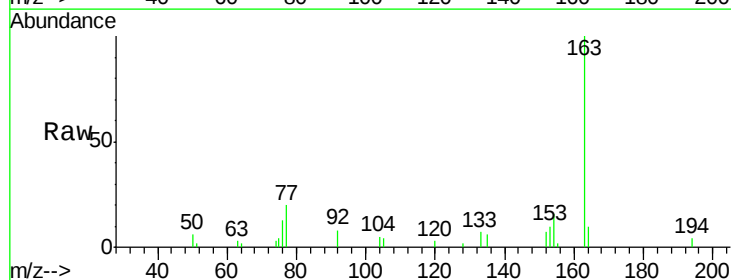


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

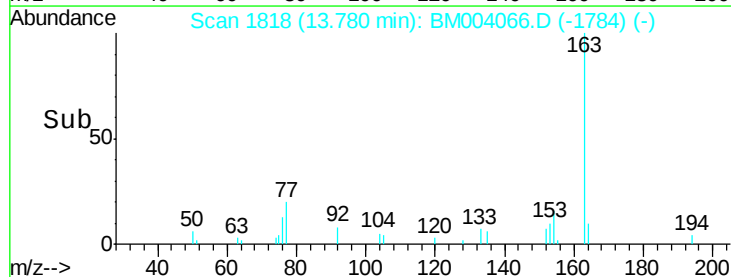
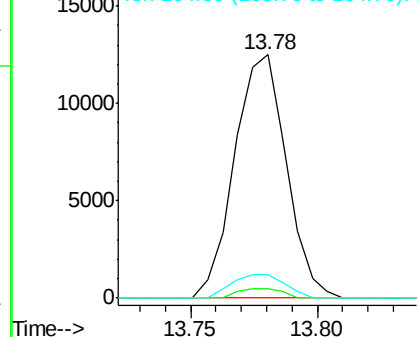


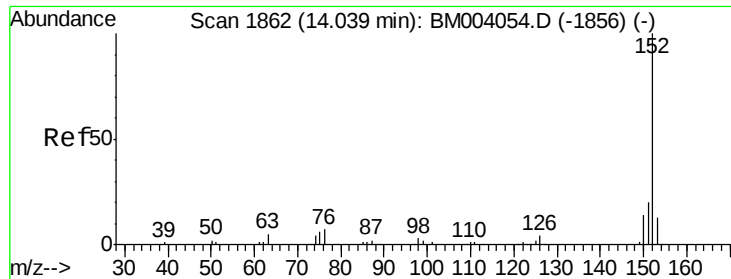
#45
Dimethylphthalate
Concen: 2.22 ng/ul
RT: 13.78 min Scan# 1818
Delta R.T. -0.00 min
Lab File: BM004066.D
Acq: 16 Jan 2016 02:13

Tgt Ion:163 Resp: 17732
Ion Ratio Lower Upper
163 100
194 3.7 3.2 4.8
164 9.9 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





#48

Acenaphthylene

Concen: 2.69 ng/ul

RT: 14.04 min Scan# 1862

Delta R.T. -0.00 min

Lab File: BM004066.D

Acq: 16 Jan 2016 02:13

Instrument :

BNA_M

ClientSampleId :

BC984

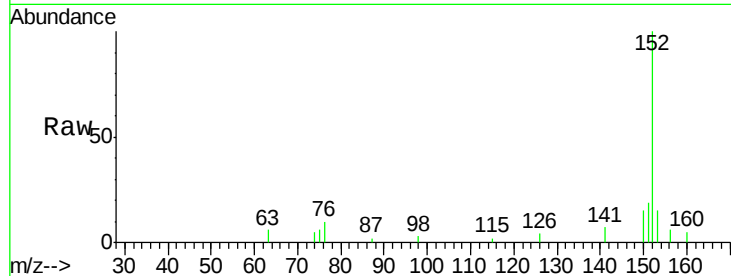
Tgt Ion:152 Resp: 28133

Ion Ratio Lower Upper

152 100

151 19.3 15.7 23.5

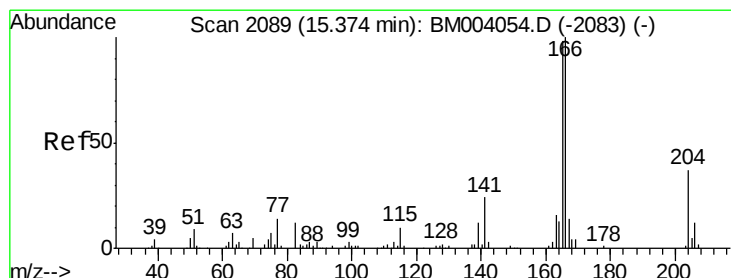
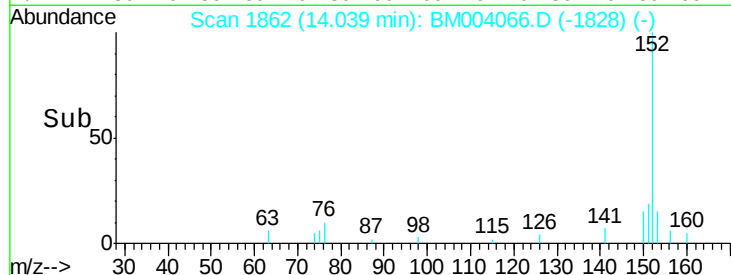
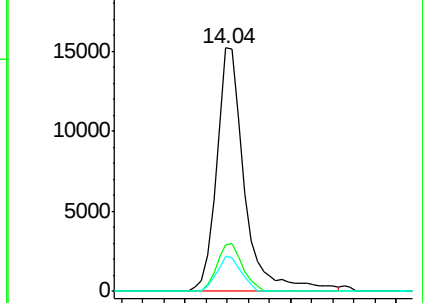
153 14.5 10.5 15.7



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



#59

Fluorene

Concen: 1.59 ng/ul

RT: 15.37 min Scan# 2089

Delta R.T. -0.00 min

Lab File: BM004066.D

Acq: 16 Jan 2016 02:13

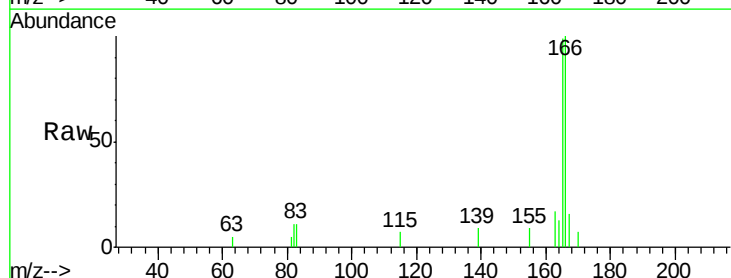
Tgt Ion:166 Resp: 12168

Ion Ratio Lower Upper

166 100

165 98.9 78.5 117.7

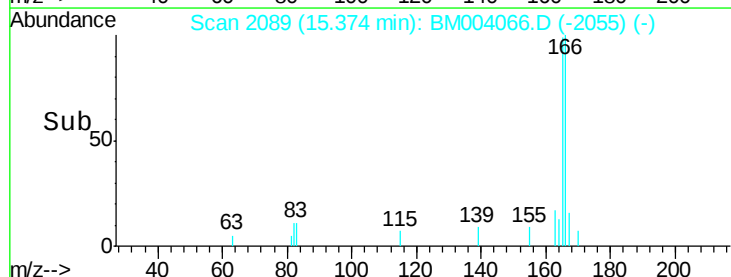
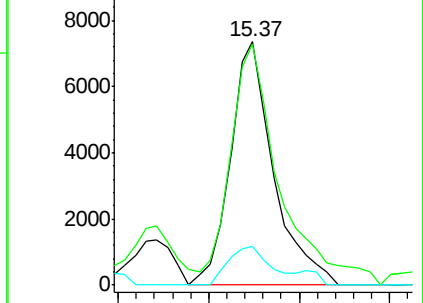
167 15.7 10.7 16.1

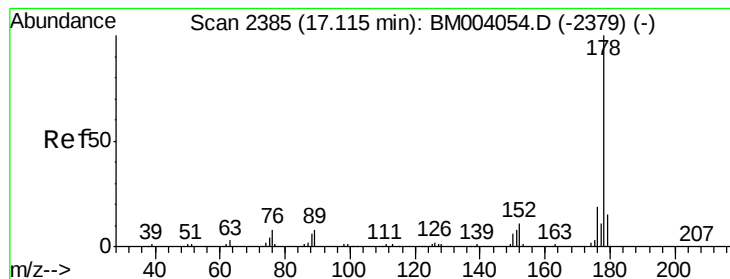


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 19.43 ng/ul

RT: 17.12 min Scan# 2385

Delta R.T. -0.00 min

Lab File: BM004066.D

Acq: 16 Jan 2016 02:13

Instrument :

BNA_M

ClientSampleId :

BC984

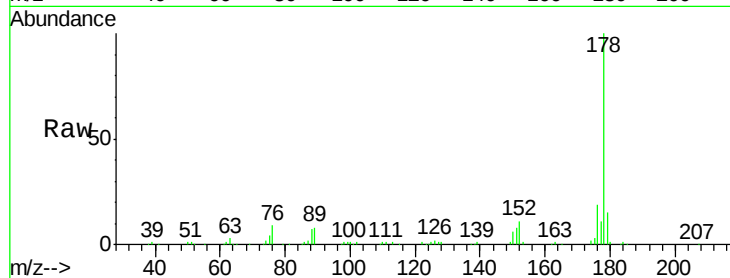
Tgt Ion:178 Resp: 237813

Ion Ratio Lower Upper

178 100

179 15.1 12.2 18.4

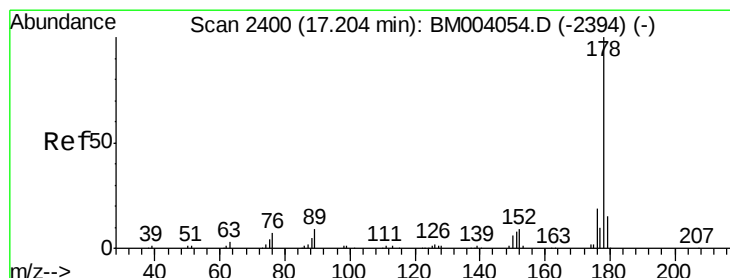
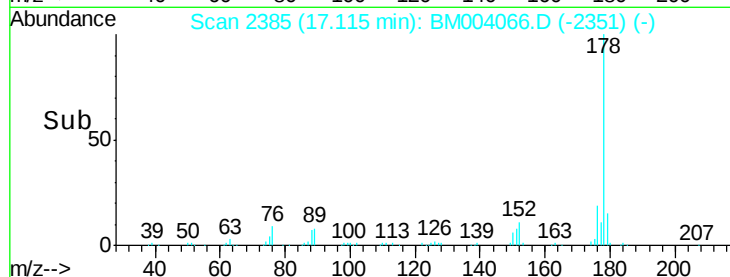
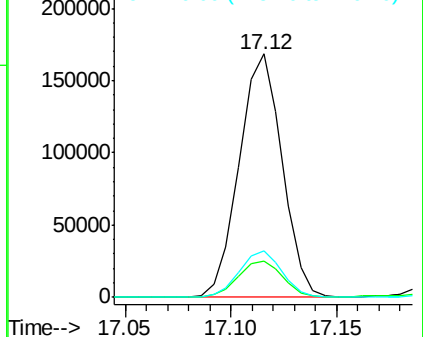
176 18.9 15.6 23.4



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: 4.68 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BM004066.D

Acq: 16 Jan 2016 02:13

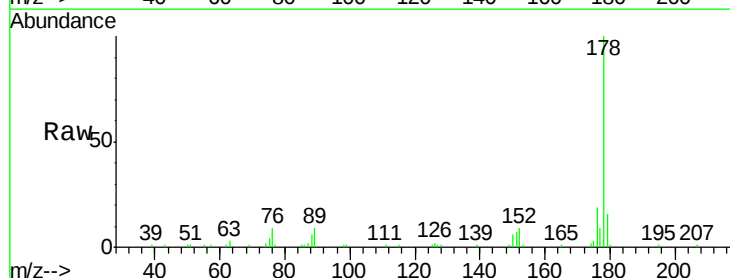
Tgt Ion:178 Resp: 58791

Ion Ratio Lower Upper

178 100

179 15.6 12.1 18.1

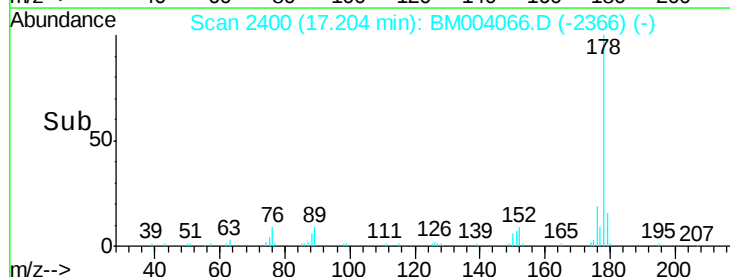
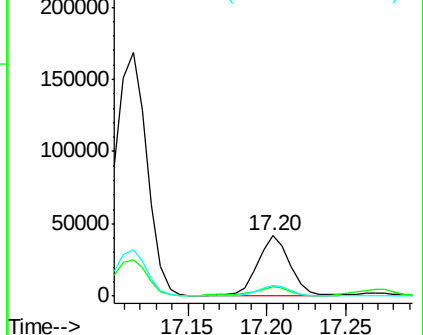
176 18.6 14.8 22.2

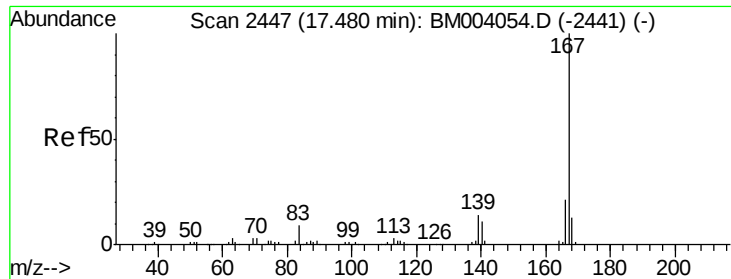


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

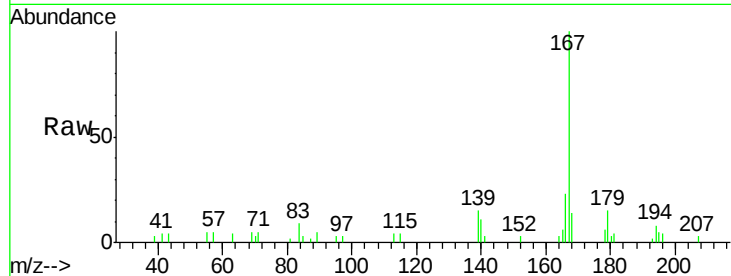




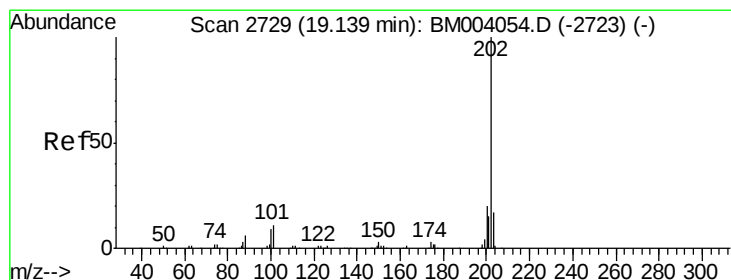
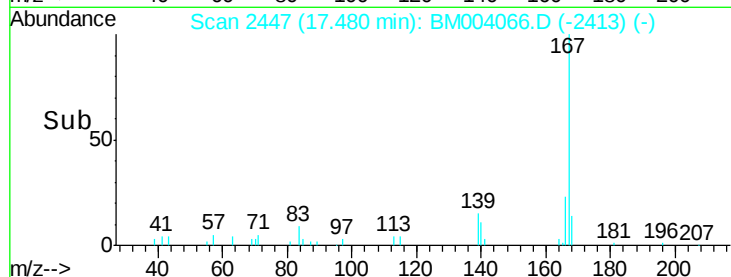
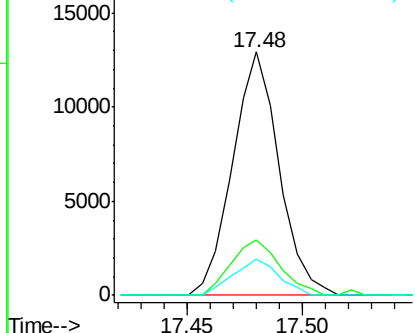
#75
 Carbazole
 Concen: 1.64 ng/ul
 RT: 17.48 min Scan# 2447
 Delta R.T. -0.00 min
 Lab File: BM004066.D
 Acq: 16 Jan 2016 02:13

Instrument :
 BNA_M
 ClientSampleId :
 BC984

Tgt Ion:167 Resp: 18074
 Ion Ratio Lower Upper
 167 100
 166 22.8 17.0 25.6
 139 14.9 11.0 16.4

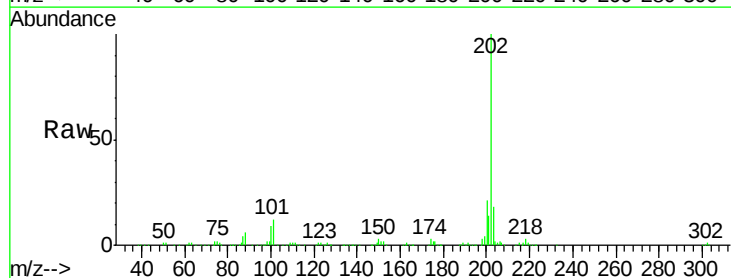


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

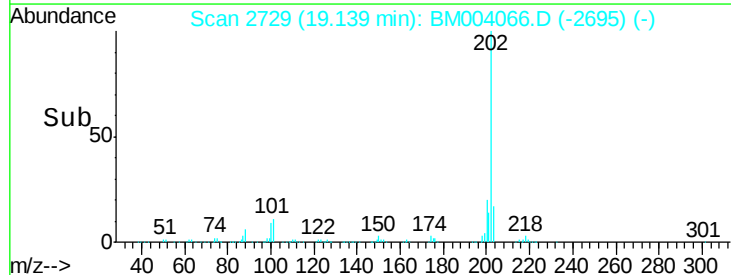
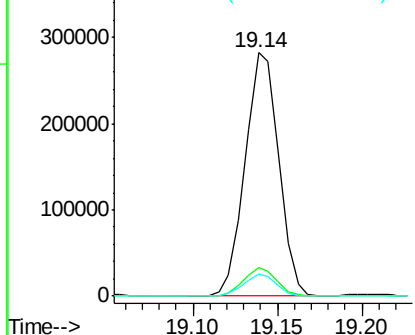


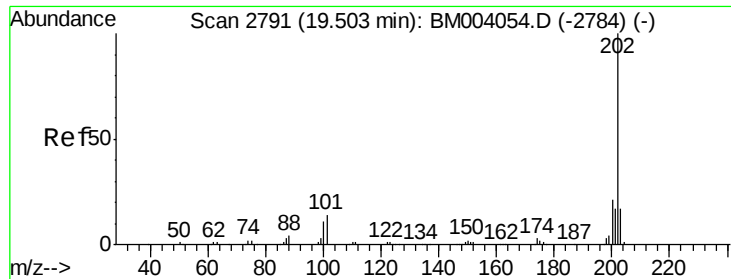
#77
 Fluoranthene
 Concen: 30.81 ng/ul
 RT: 19.14 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: BM004066.D
 Acq: 16 Jan 2016 02:13

Tgt Ion:202 Resp: 391998
 Ion Ratio Lower Upper
 202 100
 101 12.0 8.8 13.2
 100 9.0 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

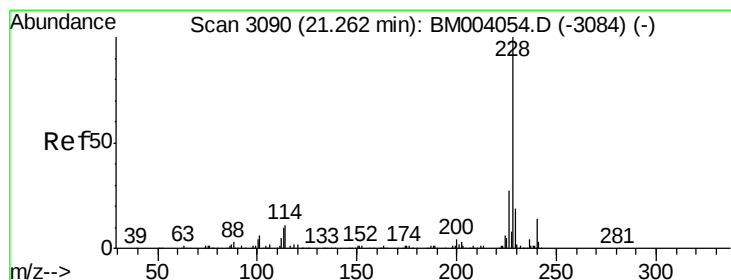
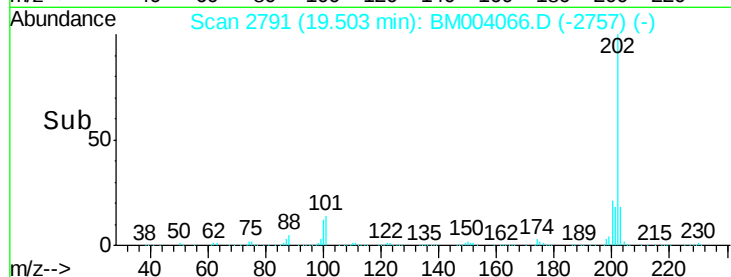
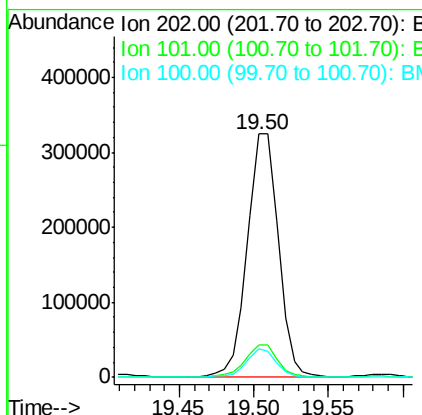
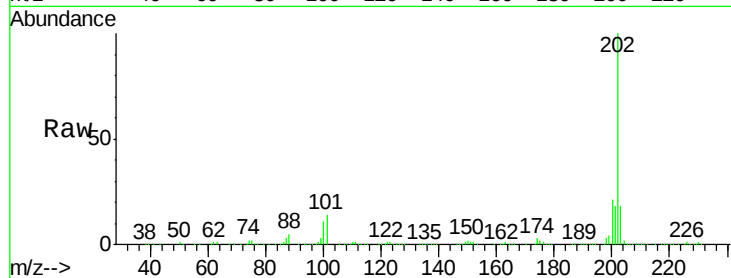




#80
 Pyrene
 Concen: 36.21 ng/u1
 RT: 19.50 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: BM004066.D
 Acq: 16 Jan 2016 02:13

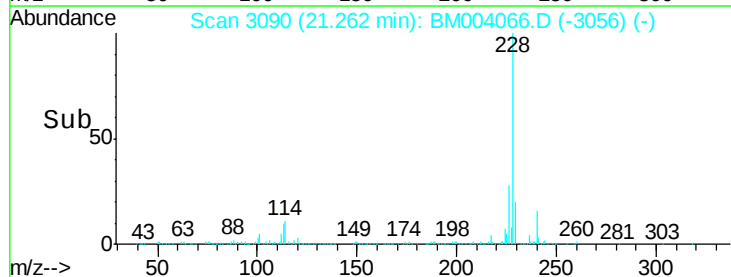
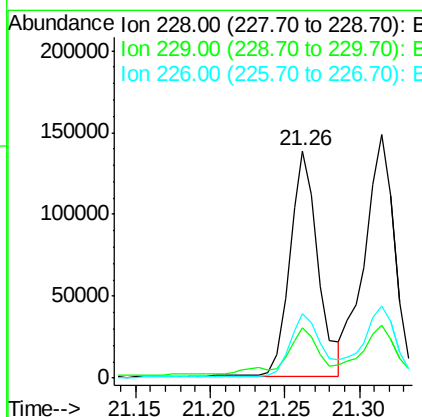
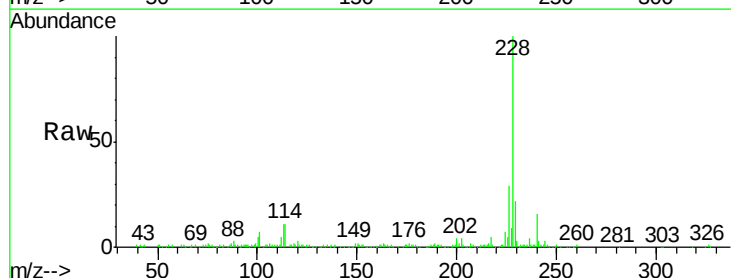
Instrument :
 BNA_M
 ClientSampleId :
 BC984

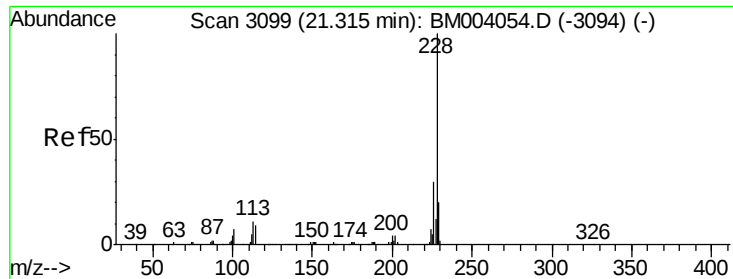
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	10.2	15.2
100	11.5	8.5	12.7



#83
 Benzo(a)anthracene
 Concen: 16.18 ng/u1
 RT: 21.26 min Scan# 3090
 Delta R.T. -0.00 min
 Lab File: BM004066.D
 Acq: 16 Jan 2016 02:13

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.2	15.7	23.5
226	28.6	21.8	32.6





#85

Chrysene

Concen: 19.18 ng/ul

RT: 21.32 min Scan# 3099

Delta R.T. -0.00 min

Lab File: BM004066.D

Acq: 16 Jan 2016 02:13

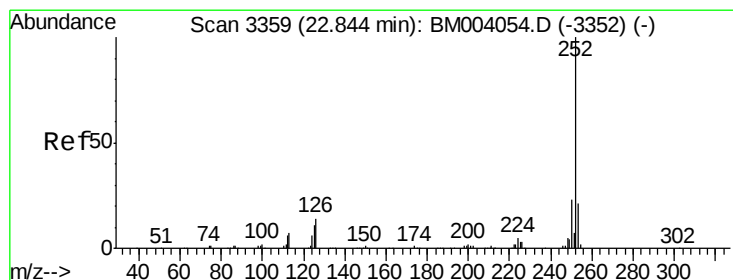
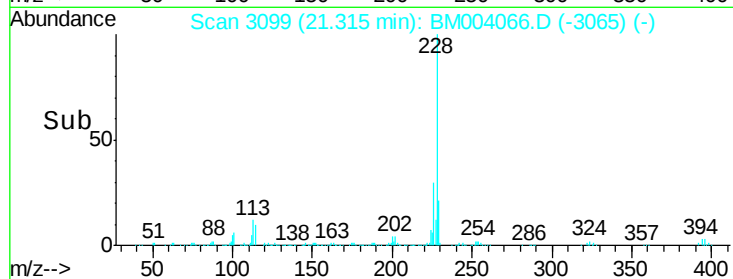
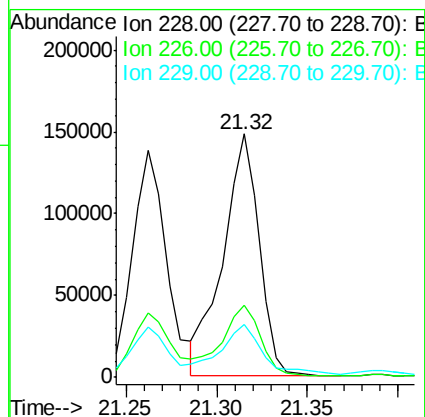
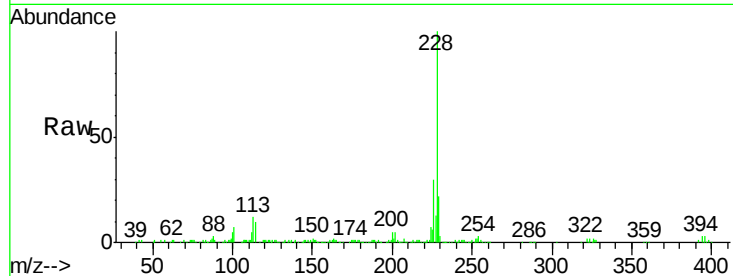
Instrument :

BNA_M

ClientSampleId :

BC984

Tgt Ion:	228	Resp:	205701
Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.0	36.0
229	21.7	15.6	23.4



#88

Benzo(b)fluoranthene

Concen: 20.18 ng/ul

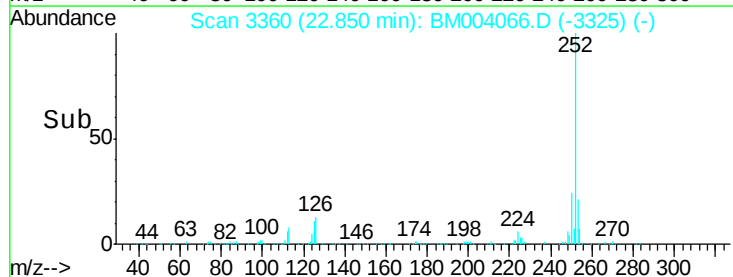
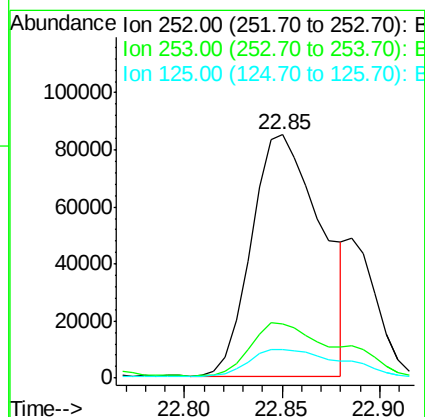
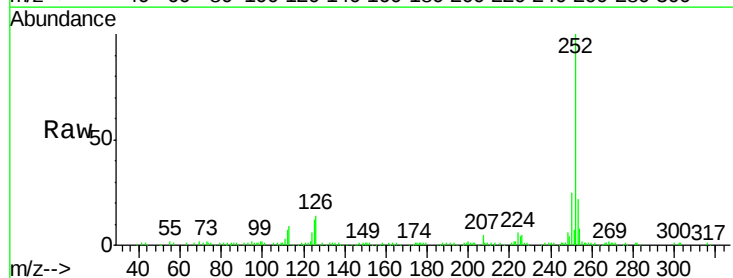
RT: 22.85 min Scan# 3360

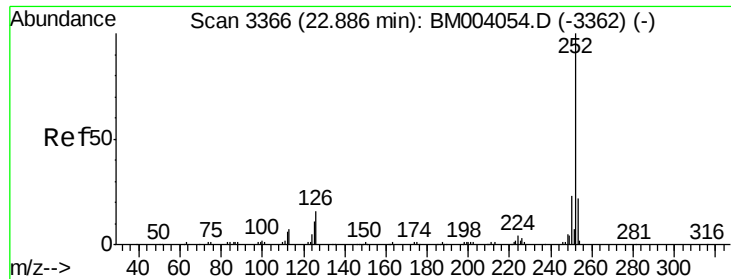
Delta R.T. 0.01 min

Lab File: BM004066.D

Acq: 16 Jan 2016 02:13

Tgt Ion:	252	Resp:	210042
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	11.9	8.5	12.7





#89

Benzo(k)fluoranthene

Concen: 13.98 ng/u1

RT: 22.85 min Scan# 3360

Delta R.T. -0.04 min

Lab File: BM004066.D

Acq: 16 Jan 2016 02:13

Instrument :

BNA_M

ClientSampleId :

BC984

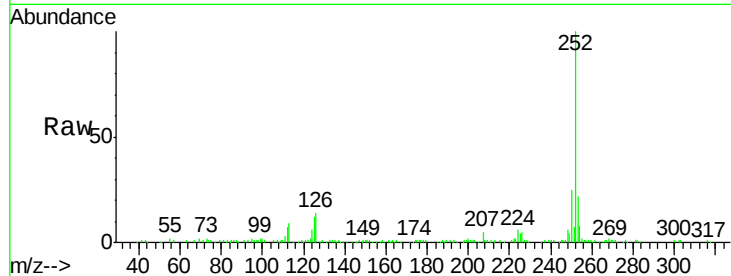
Tgt Ion:252 Resp: 138502

Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

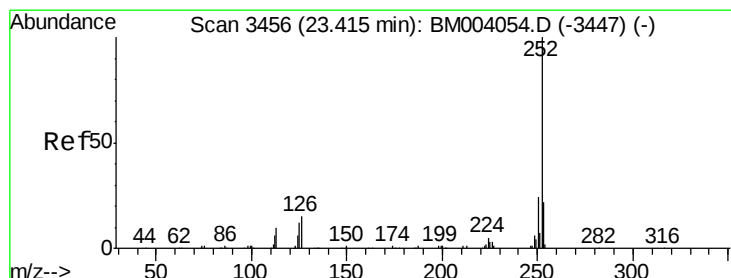
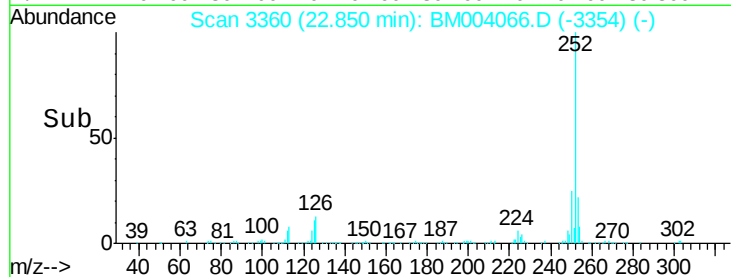
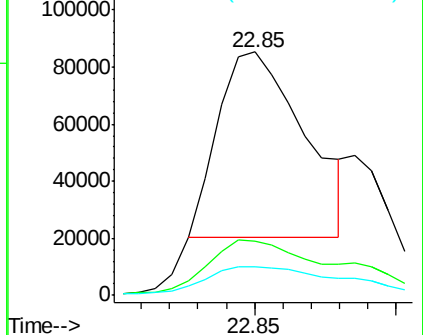
125 11.9 8.2 12.2



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: 16.62 ng/u1

RT: 23.42 min Scan# 3457

Delta R.T. 0.01 min

Lab File: BM004066.D

Acq: 16 Jan 2016 02:13

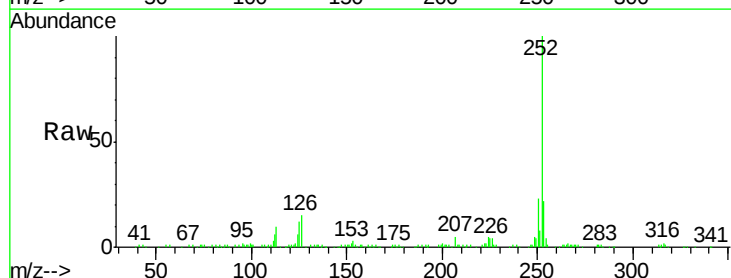
Tgt Ion:252 Resp: 164007

Ion Ratio Lower Upper

252 100

253 21.8 17.2 25.8

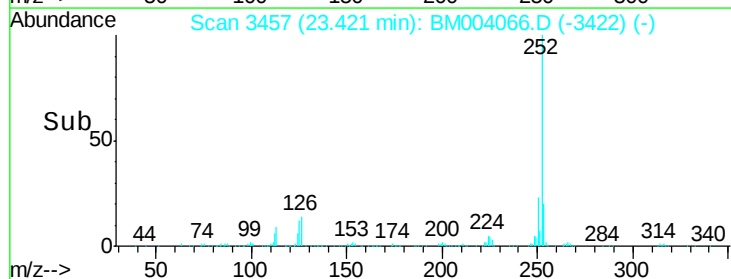
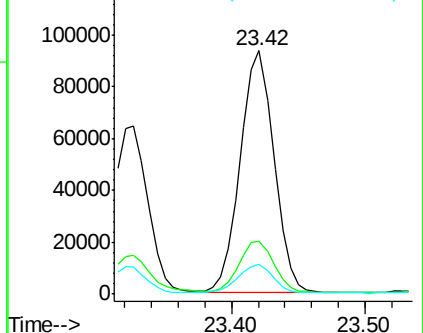
125 12.4 9.0 13.6

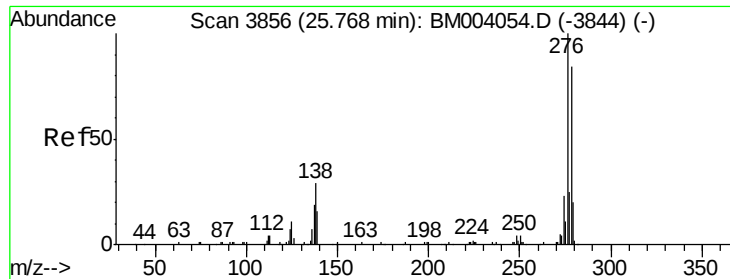


Abundance Ion 252.00 (251.70 to 252.70): E

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: 8.88 ng/ul

RT: 25.77 min Scan# 3856

Delta R.T. -0.00 min

Lab File: BM004066.D

Acq: 16 Jan 2016 02:13

Instrument :

BNA_M

ClientSampleId :

BC984

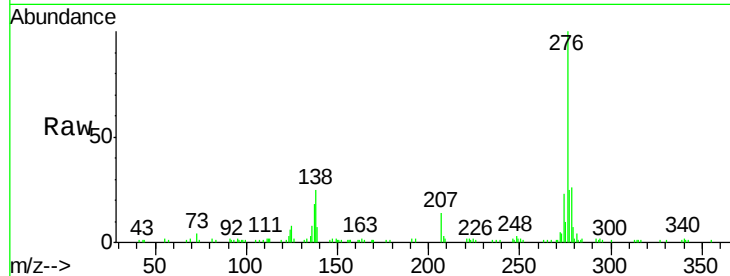
Tgt Ion:276 Resp: 96995

Ion Ratio Lower Upper

276 100

138 24.9 22.3 33.5

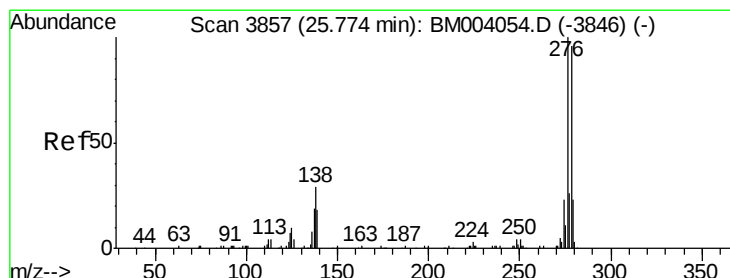
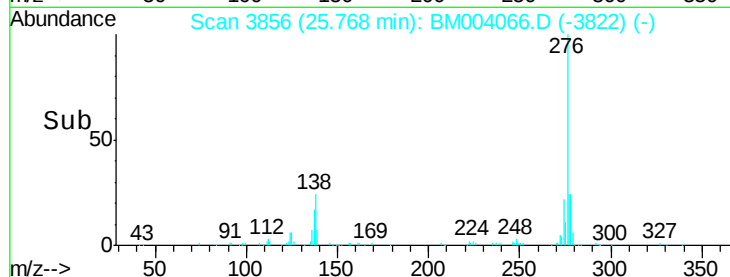
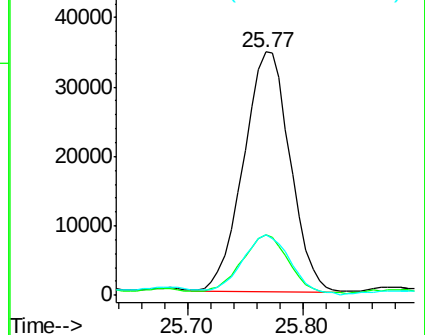
277 24.9 20.2 30.2



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: 3.08 ng/ul

RT: 25.77 min Scan# 3856

Delta R.T. -0.01 min

Lab File: BM004066.D

Acq: 16 Jan 2016 02:13

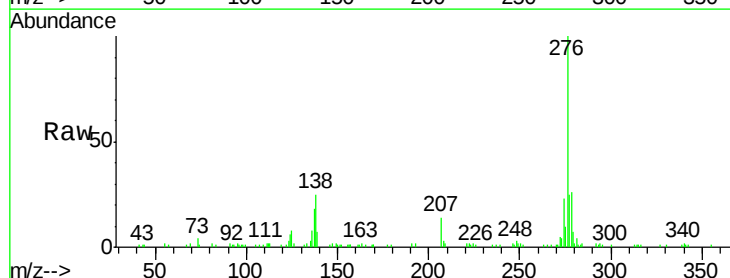
Tgt Ion:278 Resp: 28293

Ion Ratio Lower Upper

278 100

139 26.3 13.9 20.9#

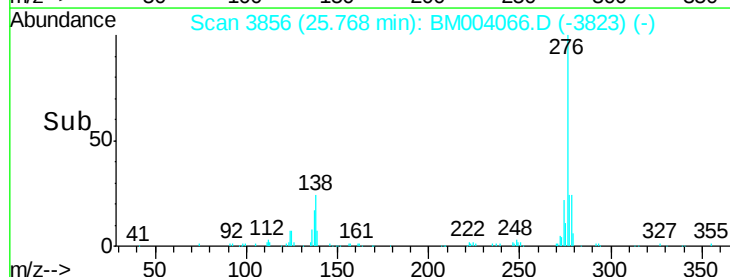
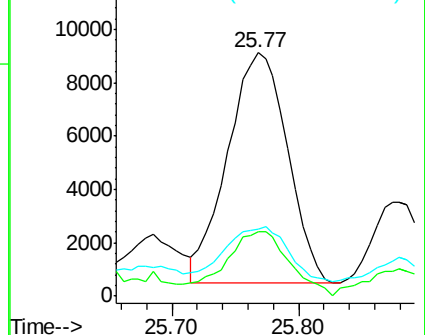
279 27.7 19.0 28.4

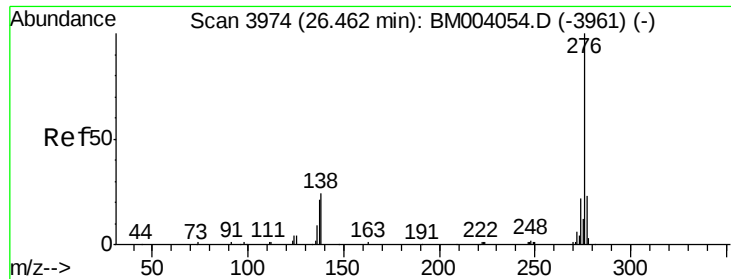


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

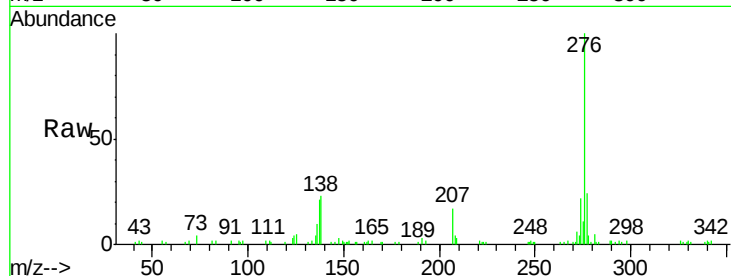




#94
 Benzo(g,h,i)perylene
 Concen: 9.56 ng/ul
 RT: 26.46 min Scan# 3974
 Delta R.T. -0.00 min
 Lab File: BM004066.D
 Acq: 16 Jan 2016 02:13

Instrument :
 BNA_M
 ClientSampleId :
 BC984

Tgt Ion:	276	Resp:	87615
Ion	Ratio	Lower	Upper
276	100		
138	23.4	18.9	28.3
277	24.5	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

