

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
 Data File : BM002185.D
 Acq On : 03 Aug 2015 00:55
 Operator : TP
 Sample : G3095-23
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01P0

Quant Time: Aug 03 02:11:01 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 03 02:05:53 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	121038	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	520562	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.23	164	315558	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.99	188	658814	20.00	ng/ul	0.01
78) Chrysene-d12	21.19	240	568716	20.00	ng/ul	0.00
86) Perylene-d12	23.39	264	545007	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	2086	0.89	ng/uL	0.01
5) Phenol-d5	6.75	99	61928	7.16	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.90	67	33858	7.08	ng/ul	0.00
9) 2-Chlorophenol-d4	7.09	132	53369	7.28	ng/ul	0.00
13) 4-Methylphenol-d8	8.28	113	51639	7.51	ng/ul	0.00
19) Nitrobenzene-d5	8.72	128	26332	7.12	ng/ul	0.00
22) 2-Nitrophenol-d4	9.44	143	28761	6.99	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	55827	7.05	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	45349	5.21	ng/ul	0.00
44) Dimethylphthalate-d6	13.64	166	162623	7.04	ng/ul	0.00
47) Acenaphthylene-d8	13.92	160	203638	7.05	ng/ul	0.00
52) 4-Nitrophenol-d4	14.47	143	14676	3.80	ng/ul	0.01
58) Fluorene-d10	15.23	176	142964	7.03	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.38	200	1496	0.37	ng/ul	0.01
71) Anthracene-d10	17.09	188	205020	6.97	ng/ul	0.01
79) Pyrene-d10	19.39	212	187303	7.82	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.25	264	175749	6.65	ng/ul	0.02

Target Compounds

						Qvalue
28) Naphthalene	10.40	128	153373	6.20	ng/ul	99
34) 2-Methylnaphthalene	12.02	142	35288	1.96	ng/ul	99
35) 1-Methylnaphthalene	12.24	142	27483	1.59	ng/ul	92
45) Dimethylphthalate	13.69	163	54686	2.37	ng/ul	99
48) Acenaphthylene	13.95	152	151453	5.08	ng/ul	99
50) Acenaphthene	14.29	153	252439	12.91	ng/ul	98
54) Dibenzofuran	14.63	168	152145	5.43	ng/ul	97
59) Fluorene	15.28	166	238749	10.30	ng/ul	99
70) Phenanthrene	17.03	178	3445285	100.96	ng/ul	99
72) Anthracene	17.12	178	773268	22.17	ng/ul	100
75) Carbazole	17.39	167	315409	10.59	ng/ul	100
77) Fluoranthene	19.20	202	57340	1.46	ng/ul	98
80) Pyrene	19.43	202	5072602	163.91	ng/ul	96
83) Benzo(a)anthracene	21.18	228	2717786	86.21	ng/ul	97
85) Chrysene	21.23	228	2337039	79.23	ng/ul	97
88) Benzo(b)fluoranthene	22.74	252	3290159	107.43	ng/ul	97
89) Benzo(k)fluoranthene	22.78	252	993666	33.63	ng/ul	97
91) Benzo(a)pyrene	23.30	252	2359479	79.82	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.61	276	1594161	46.80	ng/ul#	96
93) Dibenzo(a,h)anthracene	25.61	278	410566	14.08	ng/ul#	85
94) Benzo(g,h,i)perylene	26.30	276	1455216	50.96	ng/ul	96

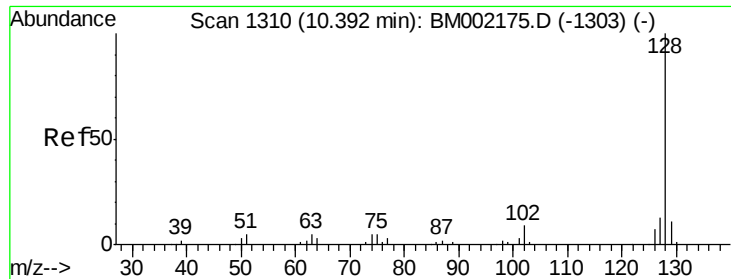
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
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QLast Update : Mon Aug 03 02:05:53 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

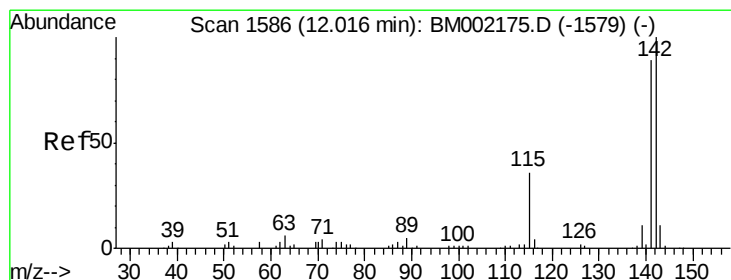
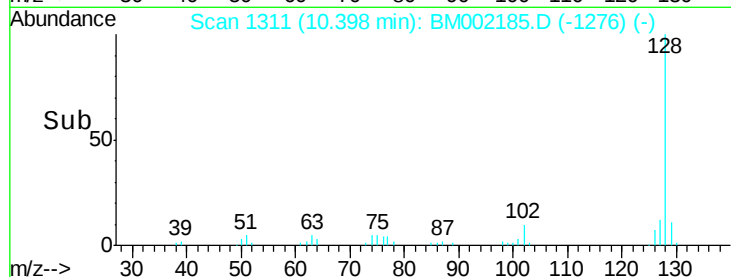
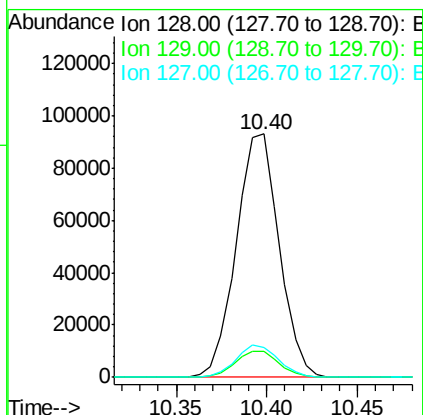
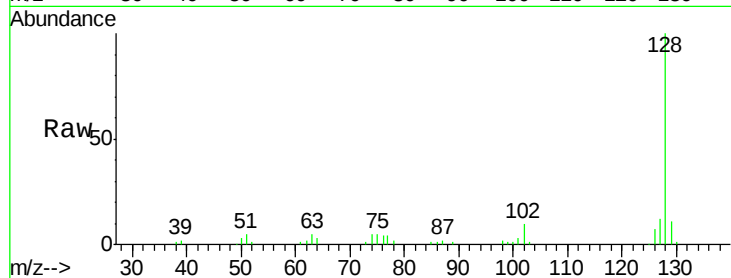
(#) = qualifier out of range (m) = manual integration (+) = signals summed						



#28
Naphthalene
Concen: 6.20 ng/ul
RT: 10.40 min Scan# 1311
Delta R.T. 0.01 min
Lab File: BM002185.D
Acq: 03 Aug 2015 00:55

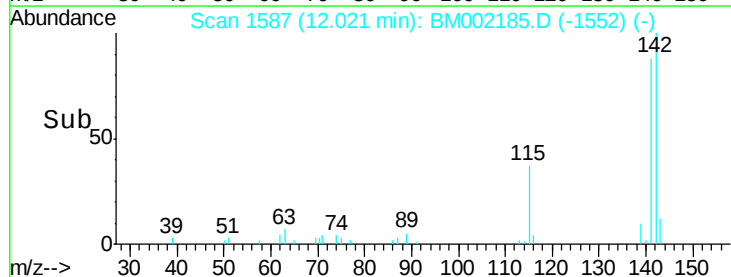
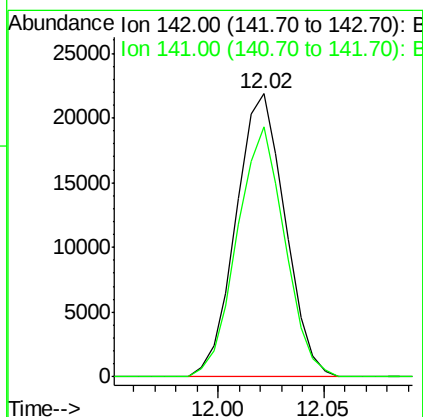
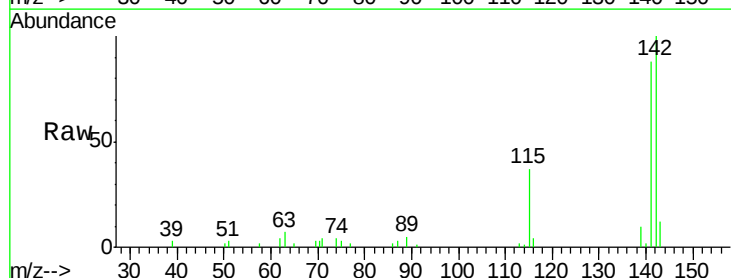
Instrument :
BNA_M
ClientSampleId :
C01P0

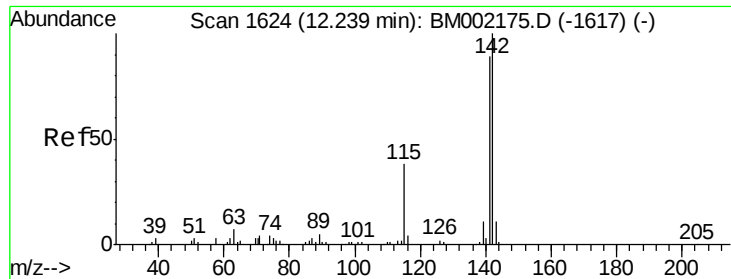
Tgt Ion:128 Resp: 153373
Ion Ratio Lower Upper
128 100
129 10.7 9.0 13.4
127 12.4 10.2 15.4



#34
2-Methylnaphthalene
Concen: 1.96 ng/ul
RT: 12.02 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BM002185.D
Acq: 03 Aug 2015 00:55

Tgt Ion:142 Resp: 35288
Ion Ratio Lower Upper
142 100
141 88.4 69.8 104.6

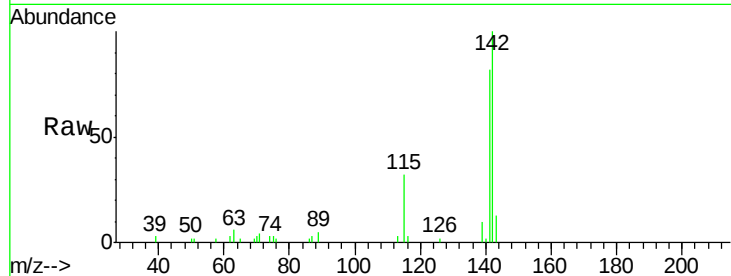




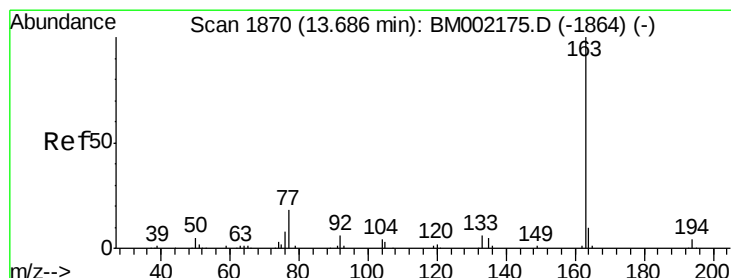
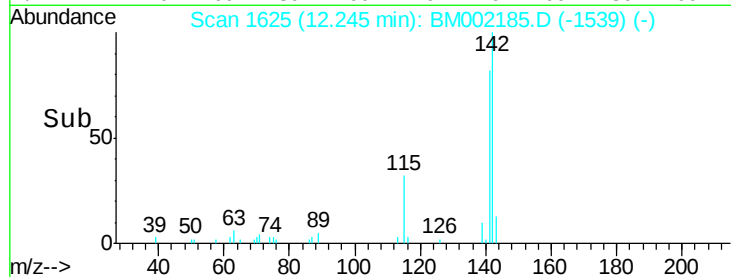
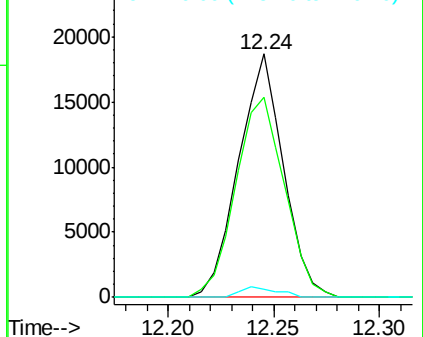
#35
1-Methylnaphthalene
Concen: 1.59 ng/ul
RT: 12.24 min Scan# 1625
Delta R.T. 0.01 min
Lab File: BM002185.D
Acq: 03 Aug 2015 00:55

Instrument :
BNA_M
ClientSampleId :
C01P0

Tgt Ion:142 Resp: 27483
Ion Ratio Lower Upper
142 100
141 82.3 72.4 108.6
116 3.4 3.2 4.8

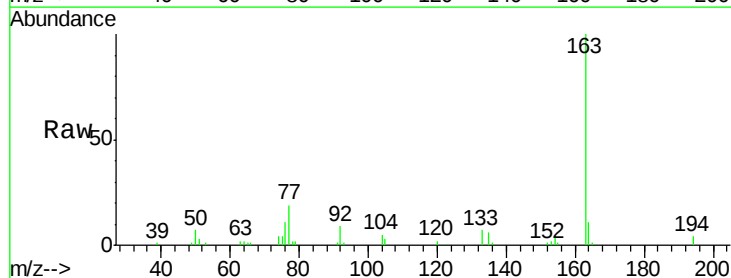


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

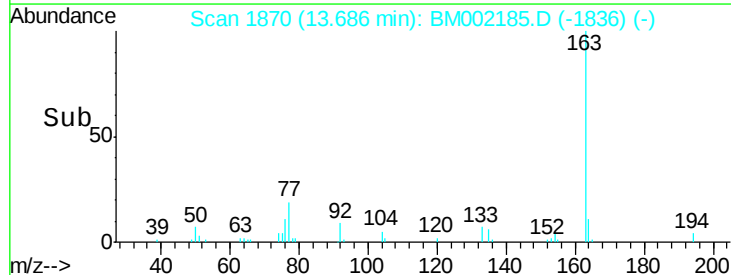
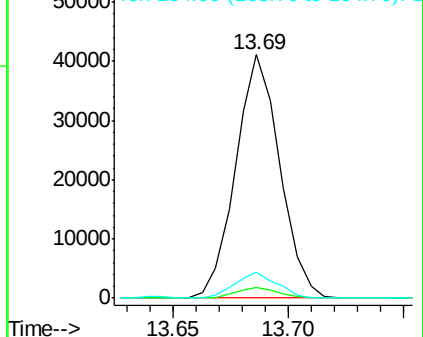


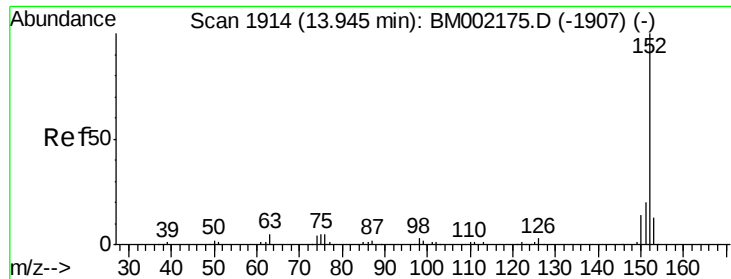
#45
Dimethylphthalate
Concen: 2.37 ng/ul
RT: 13.69 min Scan# 1870
Delta R.T. -0.00 min
Lab File: BM002185.D
Acq: 03 Aug 2015 00:55

Tgt Ion:163 Resp: 54686
Ion Ratio Lower Upper
163 100
194 4.4 3.5 5.3
164 10.7 8.0 12.0



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: 5.08 ng/ul

RT: 13.95 min Scan# 1915

Delta R.T. 0.01 min

Lab File: BM002185.D

Acq: 03 Aug 2015 00:55

Instrument :

BNA_M

ClientSampleId :

C01P0

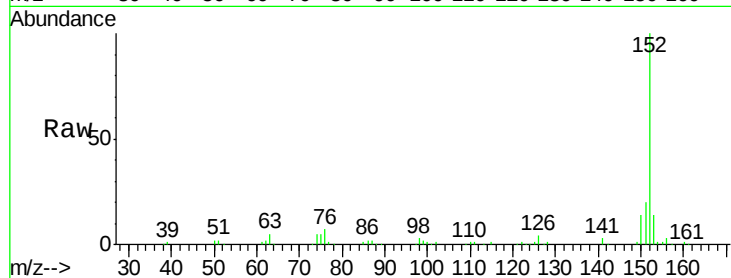
Tgt Ion:152 Resp: 151453

Ion Ratio Lower Upper

152 100

151 19.8 15.6 23.4

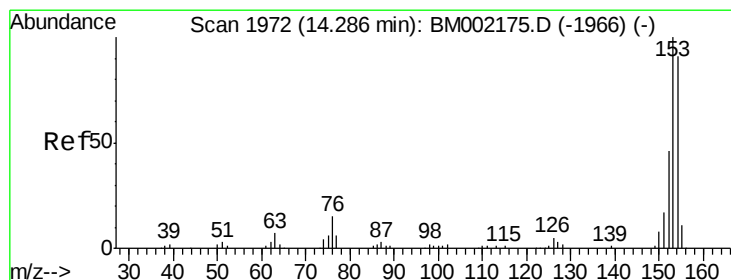
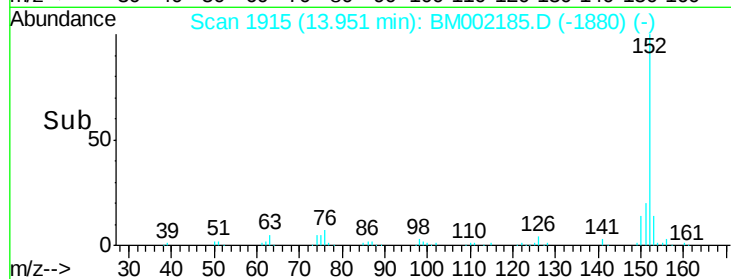
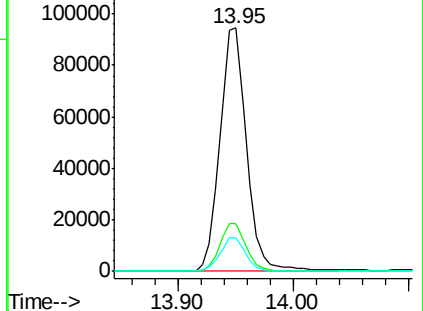
153 13.8 10.3 15.5



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: 12.91 ng/ul

RT: 14.29 min Scan# 1973

Delta R.T. 0.01 min

Lab File: BM002185.D

Acq: 03 Aug 2015 00:55

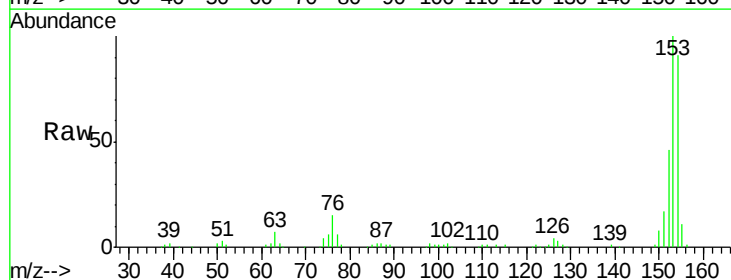
Tgt Ion:153 Resp: 252439

Ion Ratio Lower Upper

153 100

152 45.9 37.3 55.9

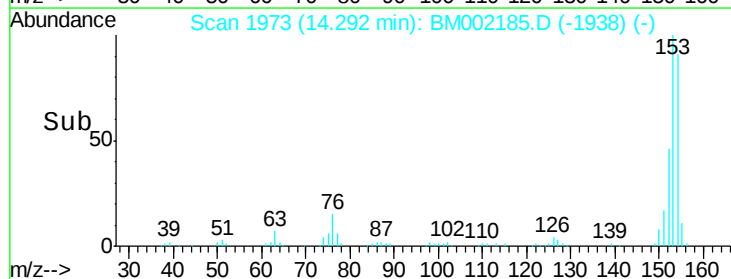
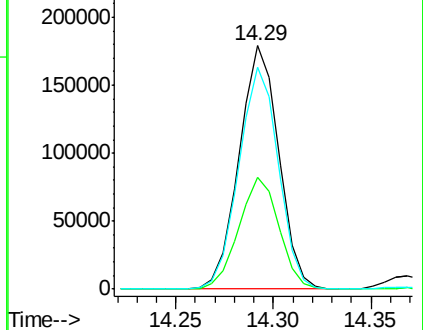
154 91.1 71.4 107.2

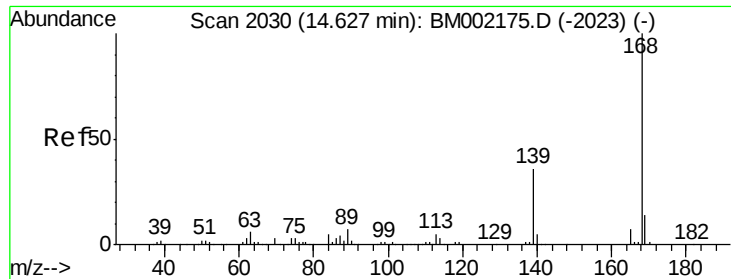


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 5.43 ng/ul

RT: 14.63 min Scan# 2030

Delta R.T. -0.00 min

Lab File: BM002185.D

Acq: 03 Aug 2015 00:55

Instrument :

BNA_M

ClientSampleId :

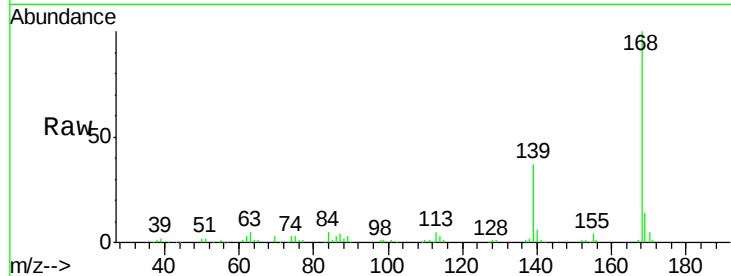
C01P0

Tgt Ion:168 Resp: 152145

Ion Ratio Lower Upper

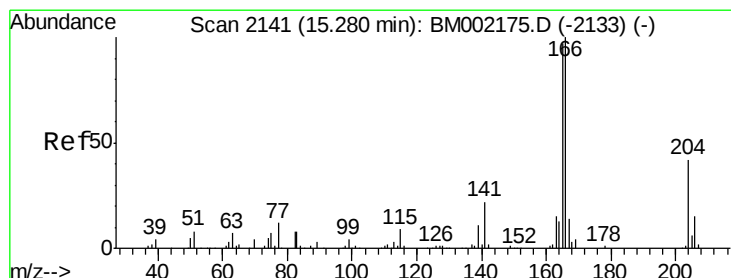
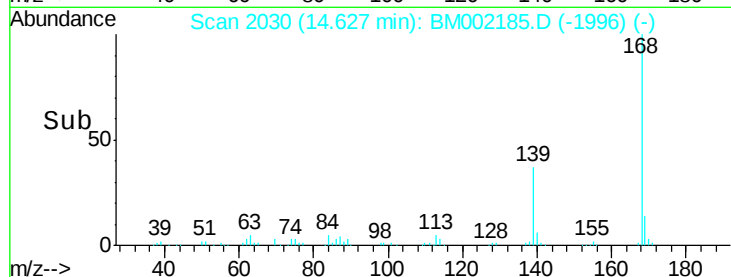
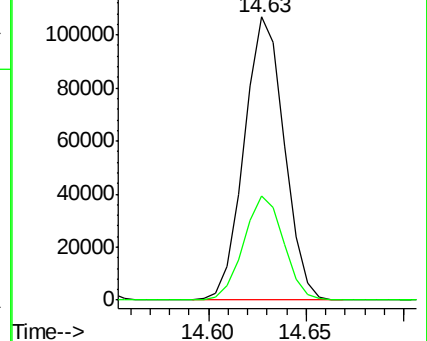
168 100

139 36.8 28.2 42.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 10.30 ng/ul

RT: 15.28 min Scan# 2141

Delta R.T. -0.00 min

Lab File: BM002185.D

Acq: 03 Aug 2015 00:55

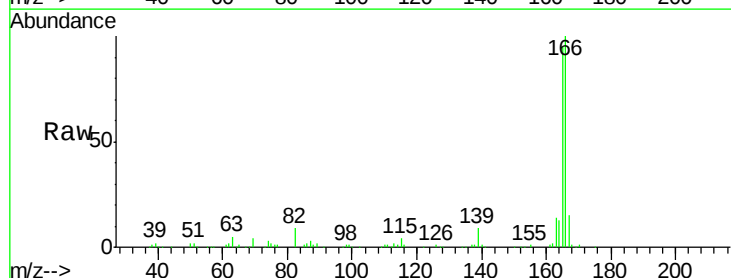
Tgt Ion:166 Resp: 238749

Ion Ratio Lower Upper

166 100

165 94.7 75.6 113.4

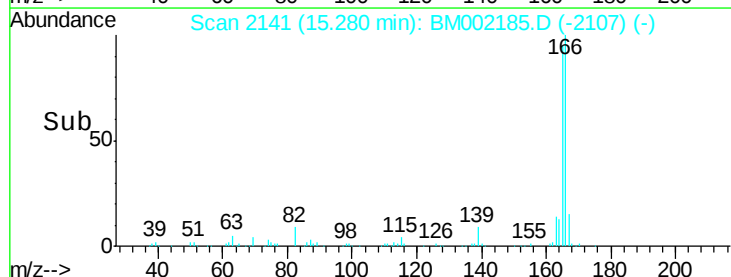
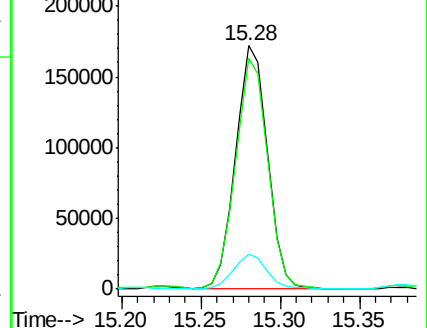
167 14.6 10.5 15.7

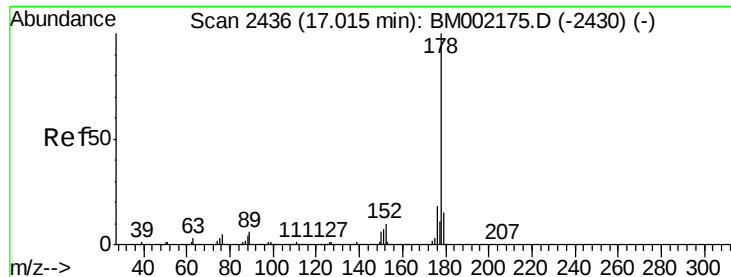


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 100.96 ng/ul

RT: 17.03 min Scan# 2439

Delta R.T. 0.02 min

Lab File: BM002185.D

Acq: 03 Aug 2015 00:55

Instrument :

BNA_M

ClientSampleId :

C01P0

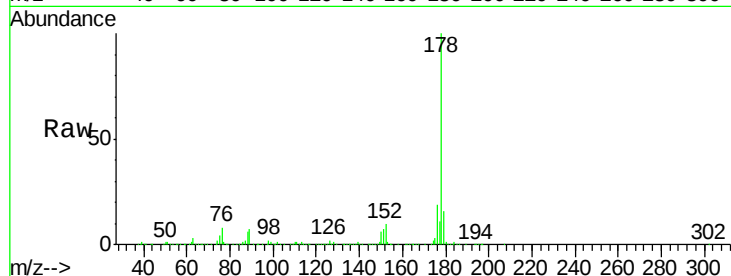
Tgt Ion:178 Resp: 3445285

Ion Ratio Lower Upper

178 100

179 15.7 12.5 18.7

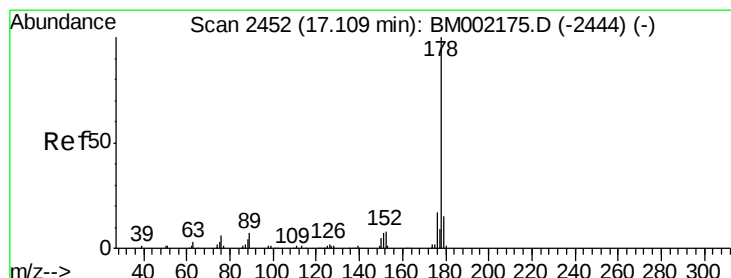
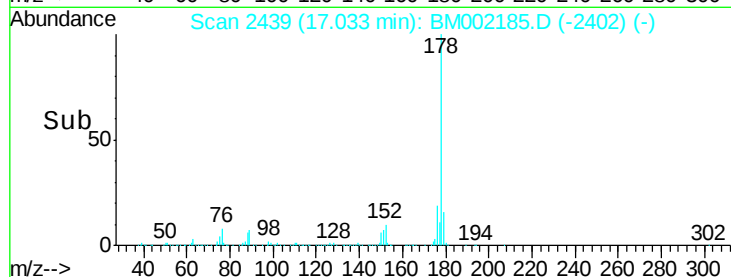
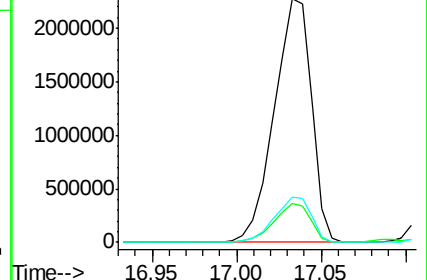
176 18.5 14.2 21.4



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: 22.17 ng/ul

RT: 17.12 min Scan# 2454

Delta R.T. 0.01 min

Lab File: BM002185.D

Acq: 03 Aug 2015 00:55

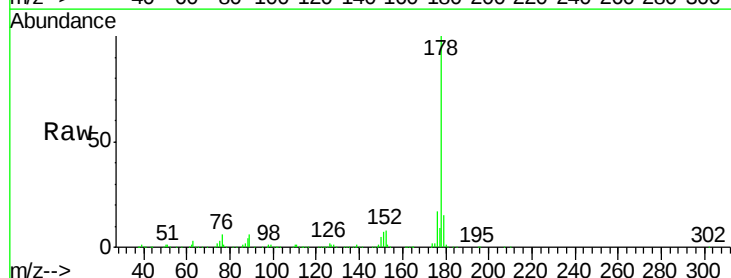
Tgt Ion:178 Resp: 773268

Ion Ratio Lower Upper

178 100

179 15.2 12.1 18.1

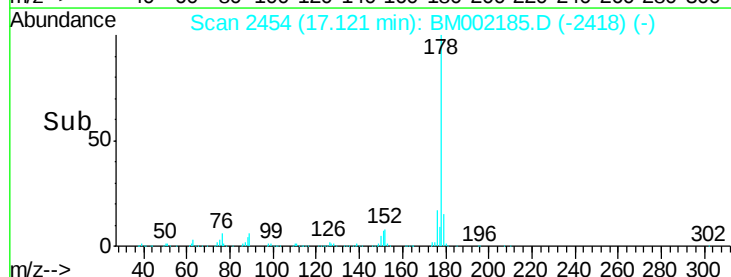
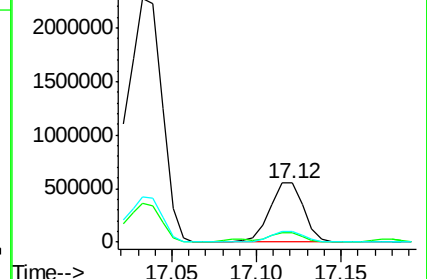
176 17.4 14.1 21.1

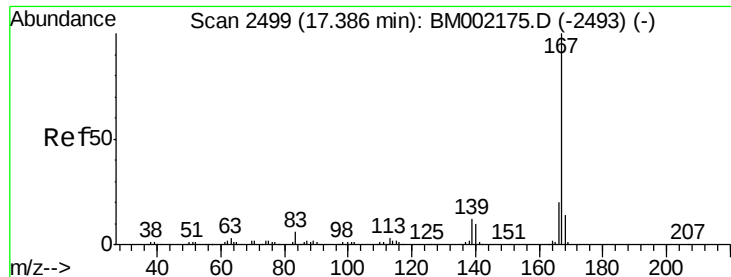


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 10.59 ng/ul

RT: 17.39 min Scan# 2500

Delta R.T. 0.01 min

Lab File: BM002185.D

Acq: 03 Aug 2015 00:55

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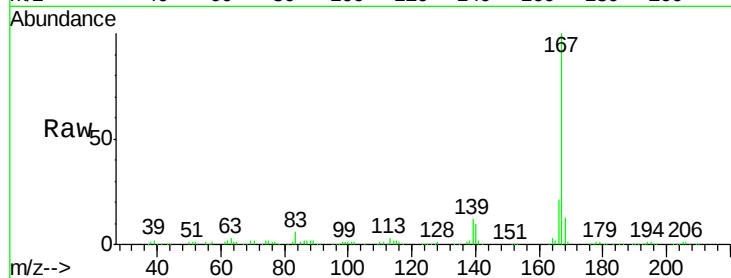
Tgt Ion:167 Resp: 315409

Ion Ratio Lower Upper

167 100

166 20.6 16.2 24.4

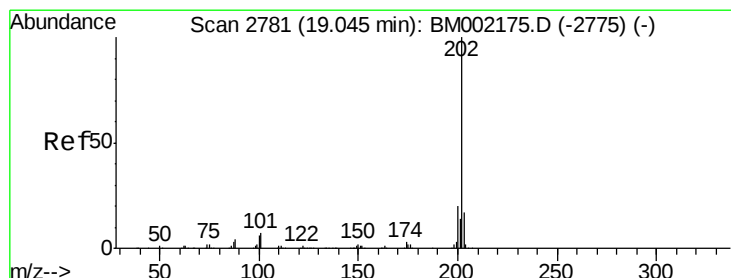
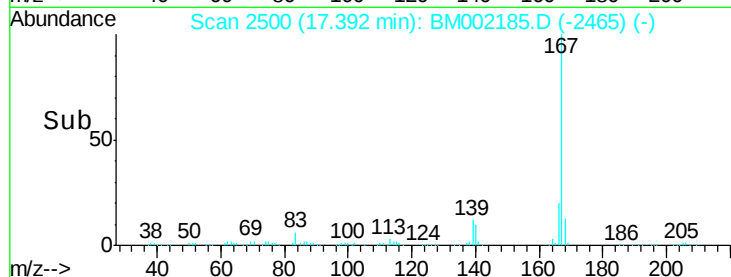
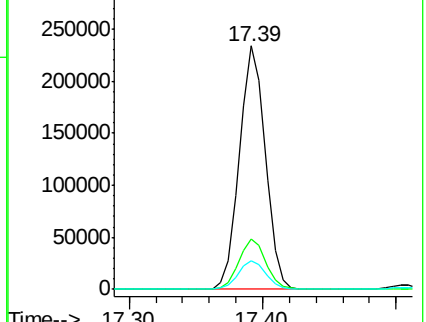
139 11.9 9.6 14.4



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: 1.46 ng/ul

RT: 19.20 min Scan# 2808

Delta R.T. 0.16 min

Lab File: BM002185.D

Acq: 03 Aug 2015 00:55

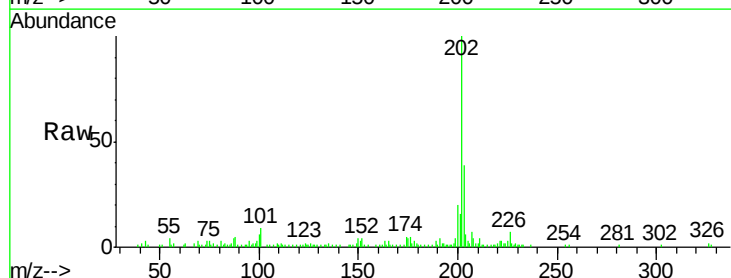
Tgt Ion:202 Resp: 57340

Ion Ratio Lower Upper

202 100

101 8.7 6.2 9.4

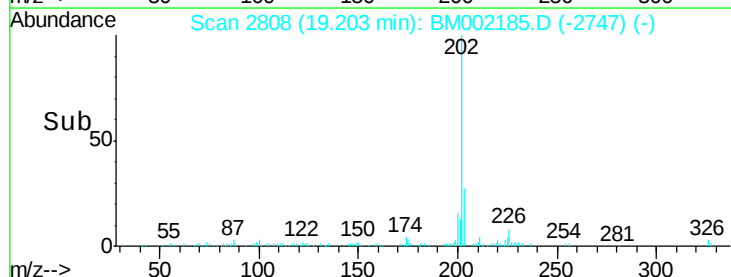
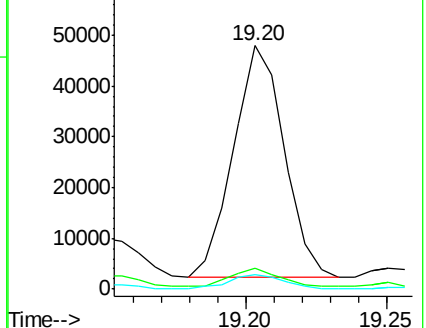
100 6.1 5.2 7.8

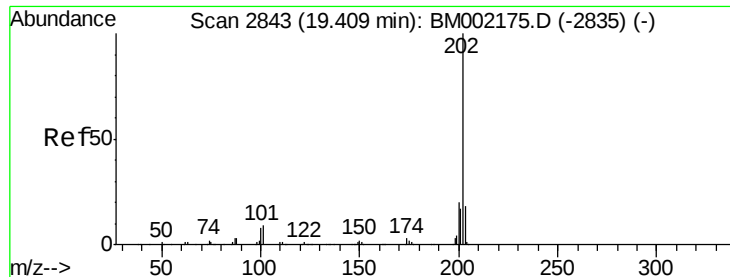


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

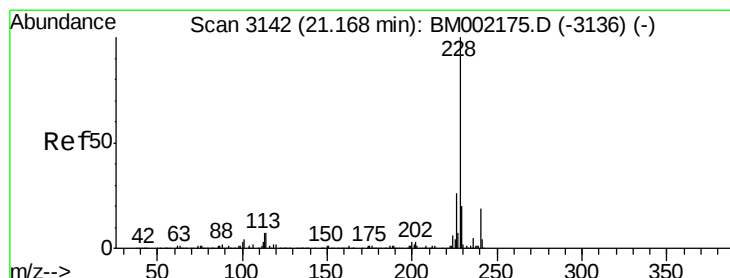
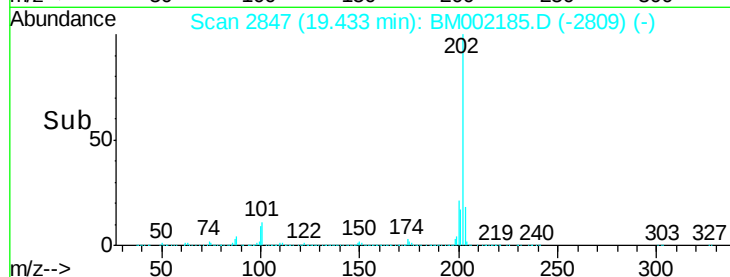
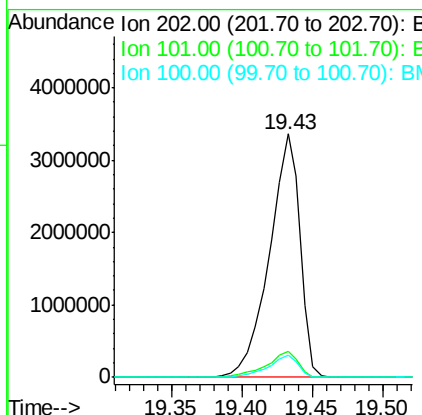
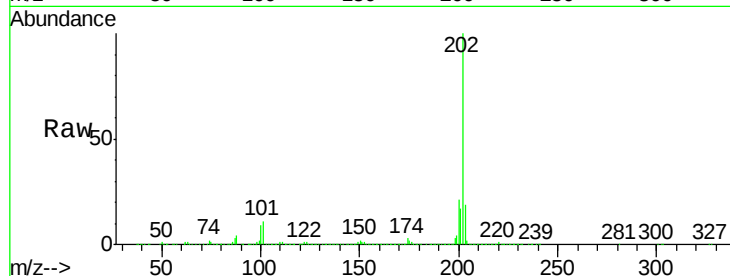




#80
 Pyrene
 Concen: 163.91 ng/ul
 RT: 19.43 min Scan# 2847
 Delta R.T. 0.02 min
 Lab File: BM002185.D
 Acq: 03 Aug 2015 00:55

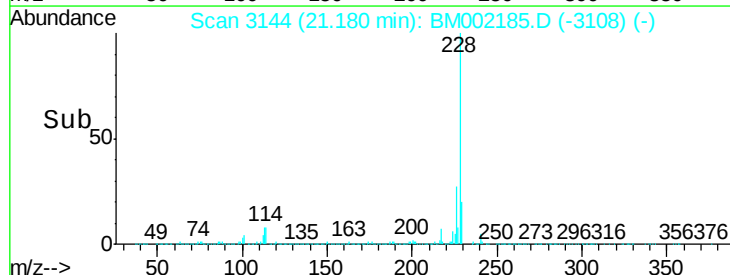
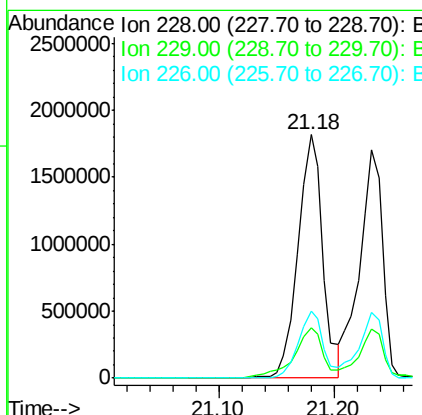
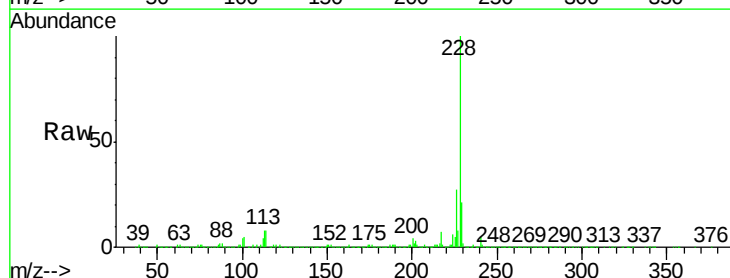
Instrument :
 BNA_M
 ClientSampleId :
 C01P0

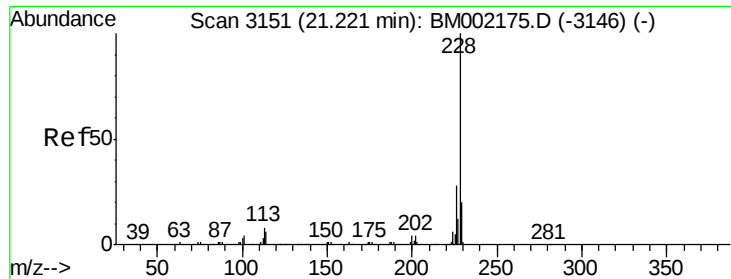
Tgt Ion:202 Resp: 5072602
 Ion Ratio Lower Upper
 202 100
 101 10.8 7.4 11.2
 100 9.0 6.3 9.5



#83
 Benzo(a)anthracene
 Concen: 86.21 ng/ul
 RT: 21.18 min Scan# 3144
 Delta R.T. 0.01 min
 Lab File: BM002185.D
 Acq: 03 Aug 2015 00:55

Tgt Ion:228 Resp: 2717786
 Ion Ratio Lower Upper
 228 100
 229 20.5 15.4 23.2
 226 27.3 20.5 30.7





#85

Chrysene

Concen: 79.23 ng/ul

RT: 21.23 min Scan# 3153

Delta R.T. 0.01 min

Lab File: BM002185.D

Acq: 03 Aug 2015 00:55

Instrument :

BNA_M

ClientSampleId :

C01P0

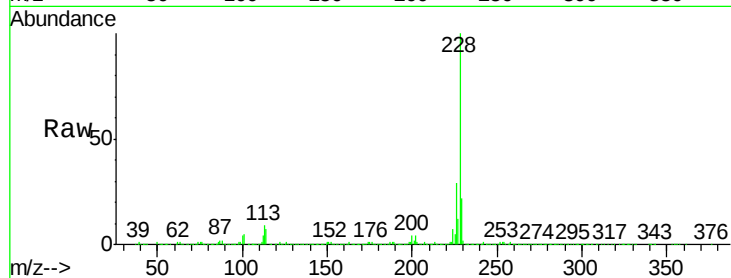
Tgt Ion:228 Resp: 2337039

Ion Ratio Lower Upper

228 100

226 28.7 22.3 33.5

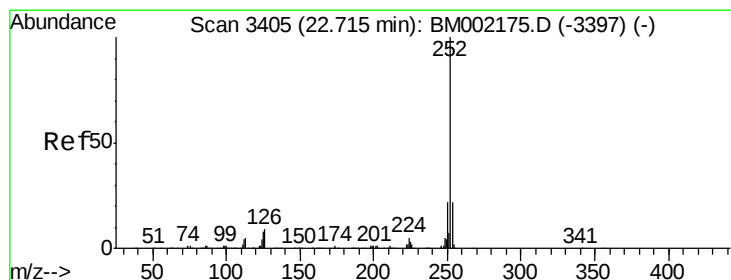
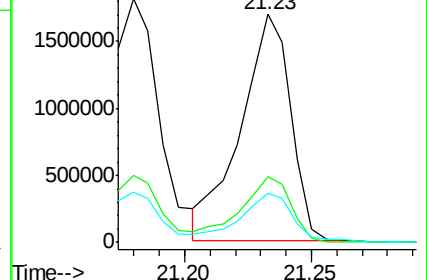
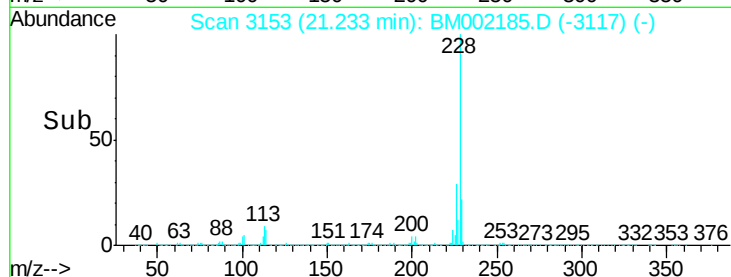
229 21.7 15.5 23.3



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: 107.43 ng/ul

RT: 22.74 min Scan# 3410

Delta R.T. 0.03 min

Lab File: BM002185.D

Acq: 03 Aug 2015 00:55

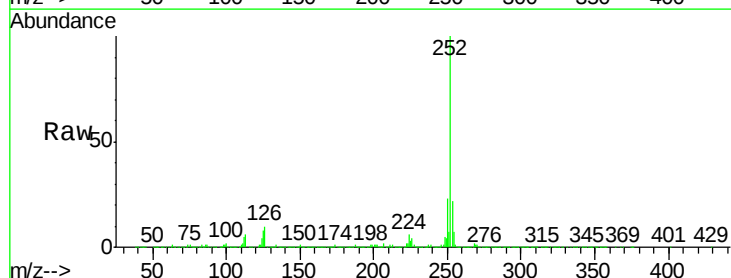
Tgt Ion:252 Resp: 3290159

Ion Ratio Lower Upper

252 100

253 22.4 16.9 25.3

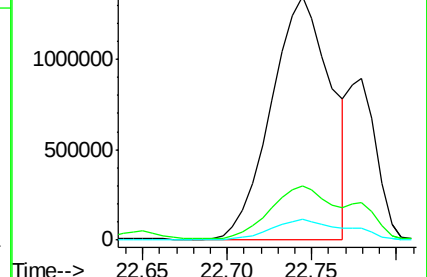
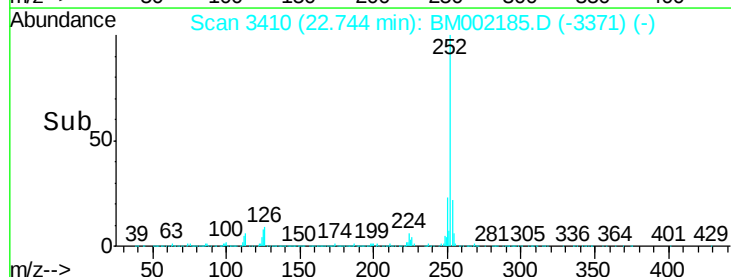
125 8.5 6.2 9.2

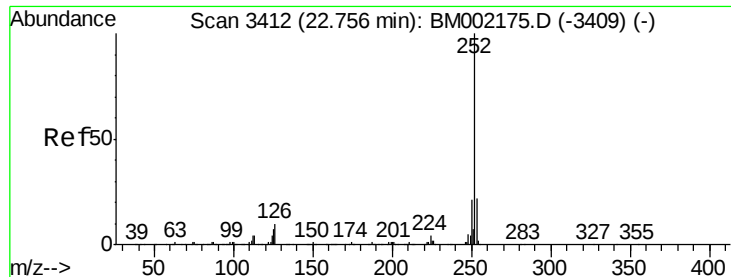


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

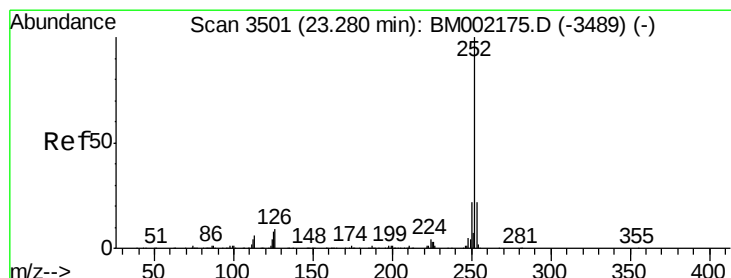
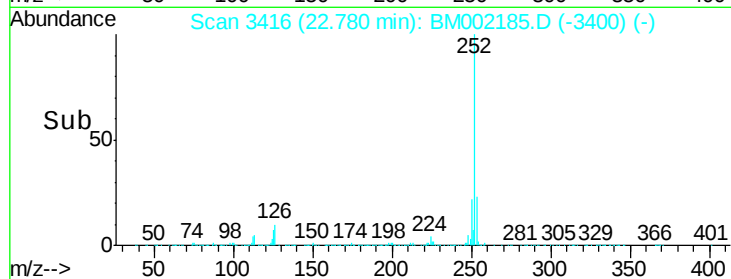
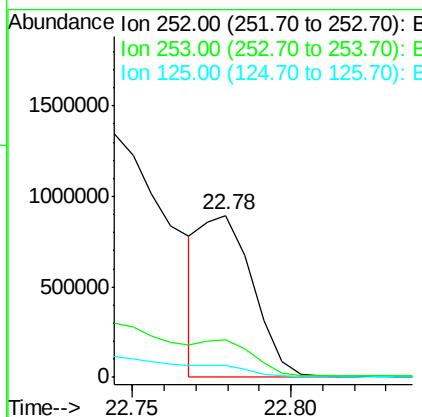
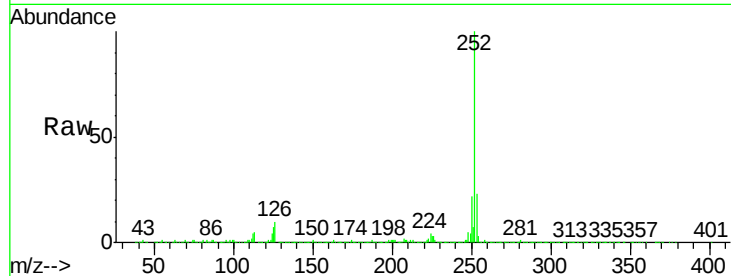




#89
Benzo(k)fluoranthene
Concen: 33.63 ng/ul
RT: 22.78 min Scan# 3416
Delta R.T. 0.02 min
Lab File: BM002185.D
Acq: 03 Aug 2015 00:55

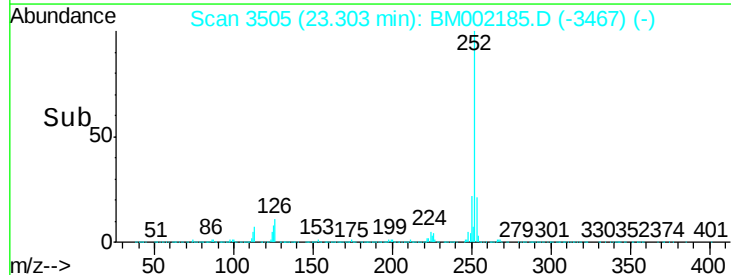
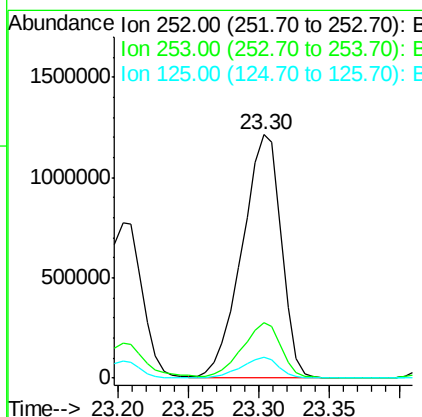
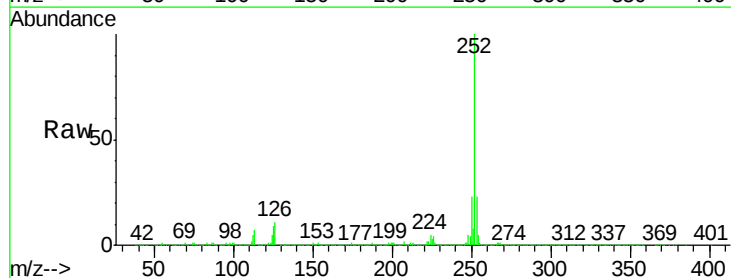
Instrument :
BNA_M
ClientSampleId :
C01P0

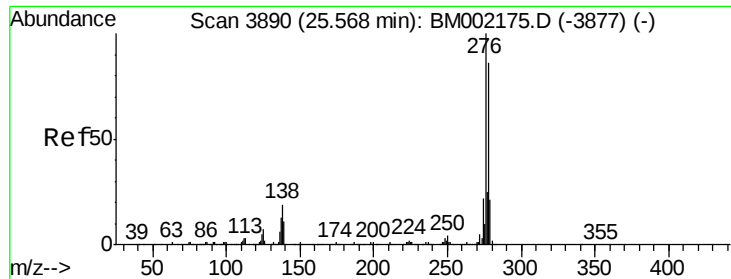
Tgt Ion:252 Resp: 993666
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.0
125 7.4 6.2 9.4



#91
Benzo(a)pyrene
Concen: 79.82 ng/ul
RT: 23.30 min Scan# 3505
Delta R.T. 0.02 min
Lab File: BM002185.D
Acq: 03 Aug 2015 00:55

Tgt Ion:252 Resp: 2359479
Ion Ratio Lower Upper
252 100
253 22.7 17.2 25.8
125 8.6 6.6 10.0





#92

Indeno(1,2,3-cd)pyrene

Concen: 46.80 ng/ul

RT: 25.61 min Scan# 3898

Delta R.T. 0.05 min

Lab File: BM002185.D

Acq: 03 Aug 2015 00:55

Instrument :

BNA_M

ClientSampleId :

C01P0

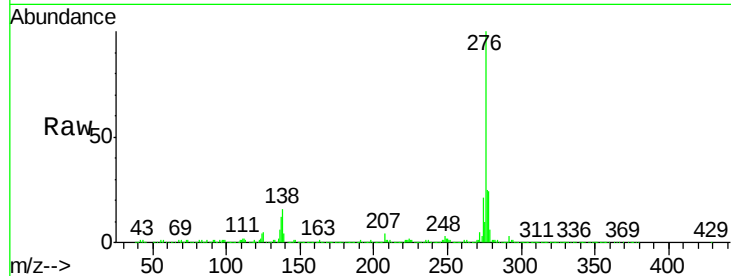
Tgt Ion:276 Resp: 1594161

Ion Ratio Lower Upper

276 100

138 15.8 16.2 24.2#

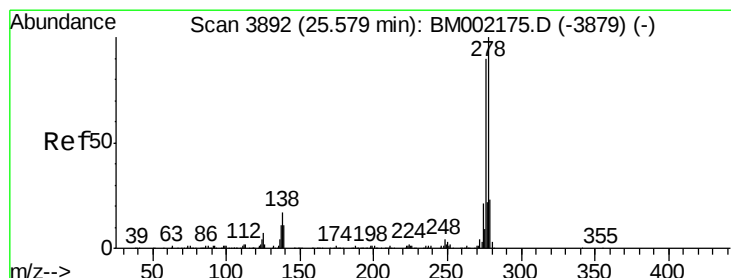
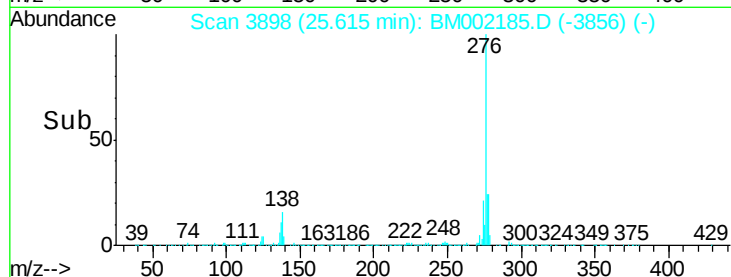
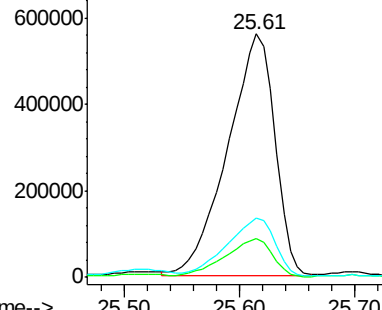
277 24.6 19.8 29.8



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



#93

Dibenzo(a,h)anthracene

Concen: 14.08 ng/ul

RT: 25.61 min Scan# 3897

Delta R.T. 0.03 min

Lab File: BM002185.D

Acq: 03 Aug 2015 00:55

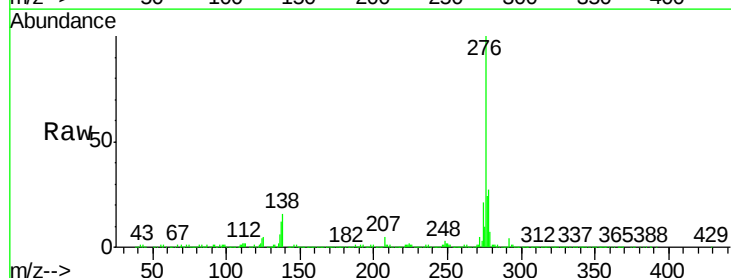
Tgt Ion:278 Resp: 410566

Ion Ratio Lower Upper

278 100

139 0.0 10.6 16.0#

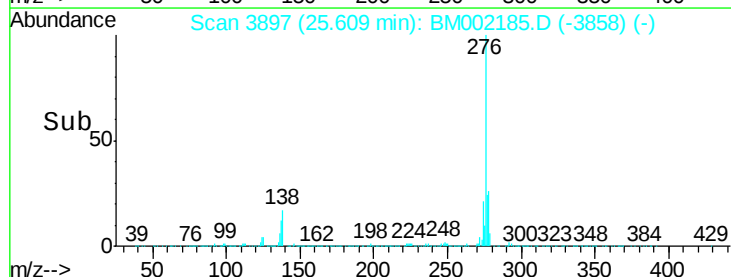
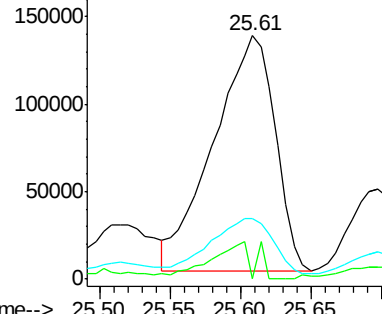
279 25.0 18.5 27.7

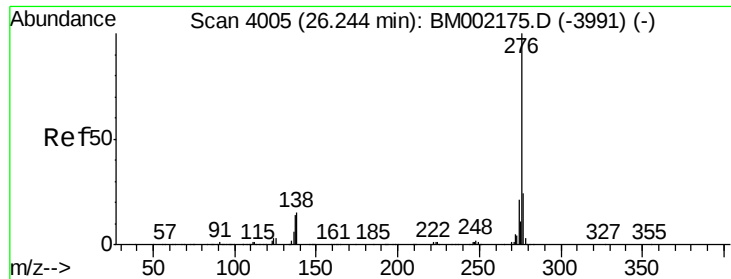


Abundance Ion 278.00 (277.70 to 278.70): E

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: 50.96 ng/ul

RT: 26.30 min Scan# 4015

Delta R.T. 0.06 min

Lab File: BM002185.D

Acq: 03 Aug 2015 00:55

Instrument :

BNA_M

ClientSampleId :

C01P0

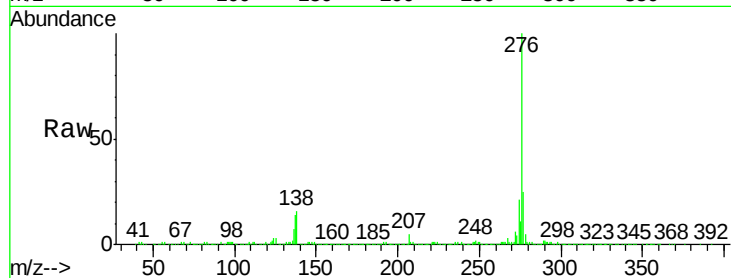
Tgt Ion:276 Resp: 1455216

Ion Ratio Lower Upper

276 100

138 15.9 13.8 20.6

277 24.9 18.2 27.2



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

