

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081015\
 Data File : BM002317.D
 Acq On : 10 Aug 2015 17:50
 Operator : UM/IZ
 Sample : G3065-09DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 11 01:36:06 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 11 01:34:33 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	215144	20.00	ng/ul	0.00
18) Naphthalene-d8	11.77	136	1013100	20.00	ng/ul	0.00
36) Acenaphthene-d10	15.49	164	526590	20.00	ng/ul	0.00
62) Phenanthrene-d10	18.20	188	1018543	20.00	ng/ul	0.00
78) Chrysene-d12	22.29	240	697075	20.00	ng/ul	0.00
86) Perylene-d12	24.99	264	657783	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.92	96	1162	0.25	ng/uL	0.00
5) Phenol-d5	7.99	99	32493	1.67	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	8.18	67	19982	1.74	ng/ul	0.00
9) 2-Chlorophenol-d4	8.41	132	28224	1.76	ng/ul	0.00
13) 4-Methylphenol-d8	9.59	113	27442	1.65	ng/ul	0.00
19) Nitrobenzene-d5	10.09	128	14940	1.97	ng/ul	0.00
22) 2-Nitrophenol-d4	10.83	143	12706	1.89	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.37	165	26369	1.79	ng/ul	0.00
29) 4-Chloroaniline-d4	11.86	131	33532	1.71	ng/ul	-0.02
44) Dimethylphthalate-d6	14.86	166	82761	1.91	ng/ul	0.00
47) Acenaphthylene-d8	15.19	160	110550	2.03	ng/ul	0.00
52) 4-Nitrophenol-d4	15.62	143	7484	0.96	ng/ul	0.00
58) Fluorene-d10	16.46	176	76784	2.02	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	16.54	200	2819	0.70	ng/ul	0.00
71) Anthracene-d10	18.29	188	103844	2.10	ng/ul	0.00
79) Pyrene-d10	20.51	212	93691	2.77	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.81	264	74858	2.14	ng/ul	0.00

Target Compounds

						Ovalue
14) Acetophenone	9.72	105	42807	1.72	ng/ul#	37
16) 4-Methylphenol	9.65	108	55643	3.22	ng/ul	94
17) Hexachloroethane	10.02	117	15043	2.32	ng/ul#	12
24) 2,4-Dimethylphenol	10.89	107	110891	5.91	ng/ul	98
28) Naphthalene	11.83	128	179222	3.36	ng/ul	99
34) 2-Methylnaphthalene	13.37	142	126262	3.31	ng/ul	99
35) 1-Methylnaphthalene	13.37	142	126262	3.36	ng/ul	97
45) Dimethylphthalate	14.90	163	165722	3.75	ng/ul#	94
50) Acenaphthene	15.54	153	92520	2.43	ng/ul	98
54) Dibenzofuran	15.87	168	74904	1.47	ng/ul	97
59) Fluorene	16.51	166	116488	2.72	ng/ul#	93
70) Phenanthrene	18.24	178	794691	13.56	ng/ul	99
72) Anthracene	18.33	178	205456	3.39	ng/ul	97
75) Carbazole	18.58	167	80713	1.47	ng/ul#	87
77) Fluoranthene	20.19	202	876152	14.12	ng/ul	99
80) Pyrene	20.54	202	784364	17.41	ng/ul	99
81) Butylbenzylphthalate	21.36	149	92900	4.17	ng/ul	97
83) Benzo(a)anthracene	22.27	228	292098	6.86	ng/ul	95
84) Bis(2-ethylhexyl)phthalate	22.12	149	1816221	56.41	ng/ul	99
85) Chrysene	22.33	228	295971	7.34	ng/ul#	94
88) Benzo(b)fluoranthene	24.15	252	360382	8.81	ng/ul#	81
91) Benzo(a)pyrene	24.86	252	261113	6.67	ng/ul#	78
92) Indeno(1,2,3-cd)pyrene	27.83	276	188167	4.20	ng/ul	96

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 11 01:34:33 2015
Response via : Initial Calibration

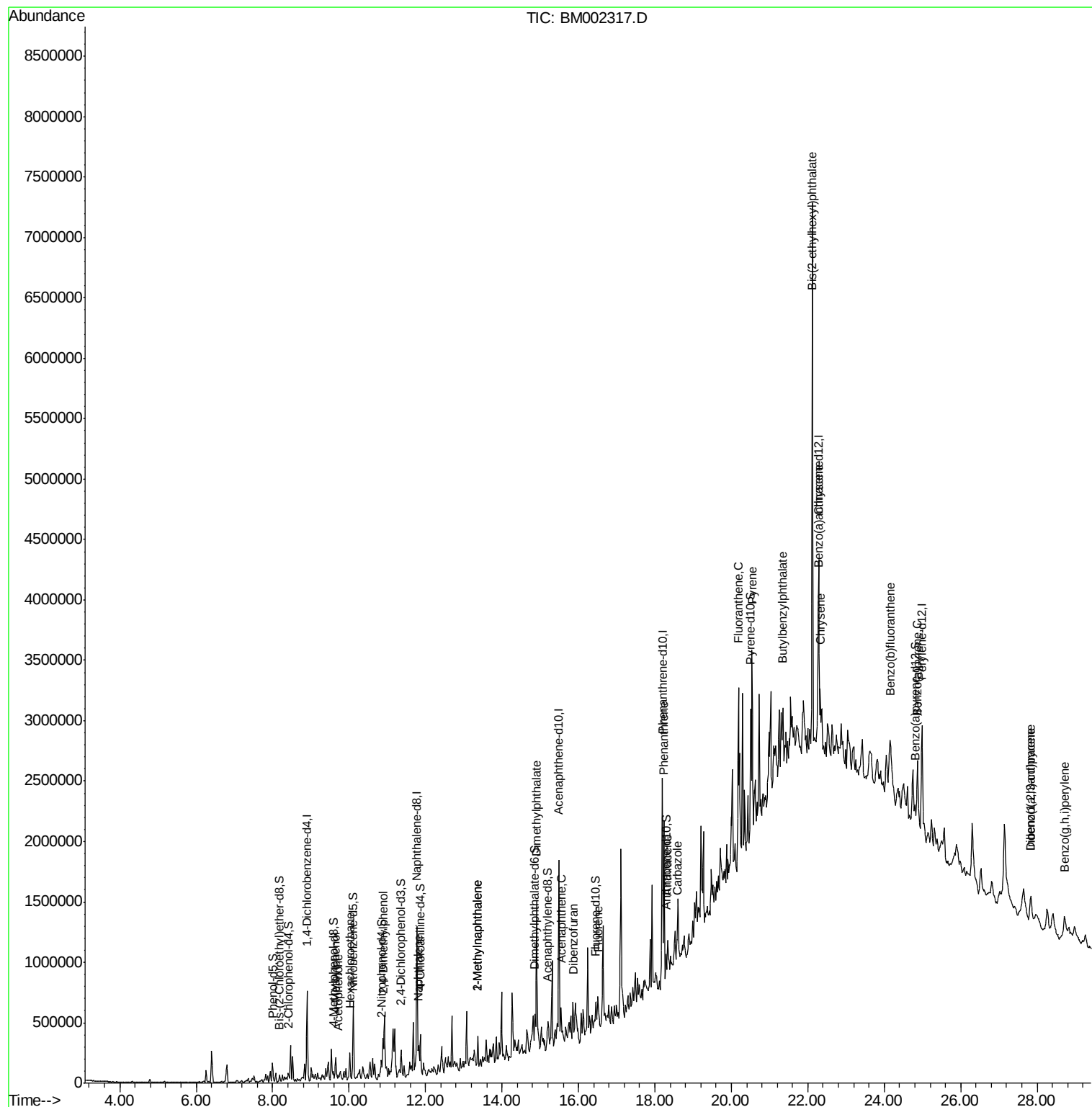
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Dibenzo(a,h)anthracene	27.84	278	51128	1.35	ng/ul#	50
94) Benzo(g,h,i)perylene	28.72	276	180812	4.78	ng/ul#	90

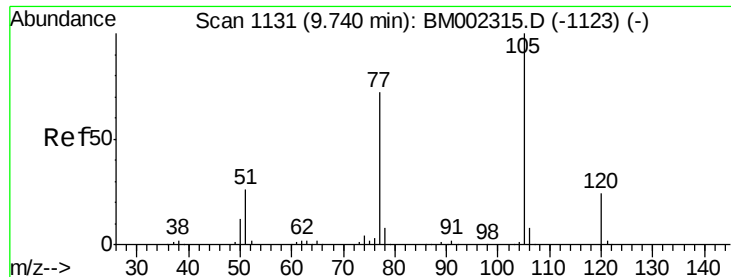
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Acetophenone

Concen: 1.72 ng/ul

RT: 9.72 min Scan# 1127

Delta R.T. -0.02 min

Lab File: BM002317.D

Acq: 10 Aug 2015 17:50

Instrument :

BNA_M

ClientSampled :

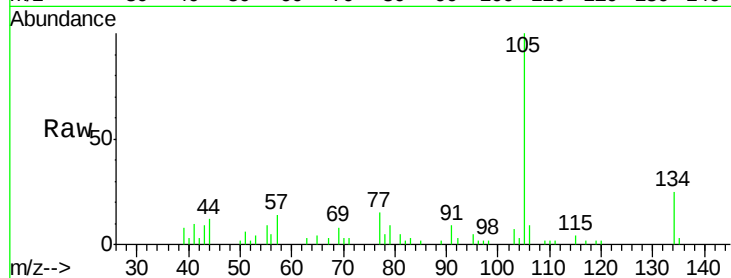
Tot Ion:105 Resp: 42807

Ion Ratio Lower Upper

105 100

77 14.5 59.4 89.0#

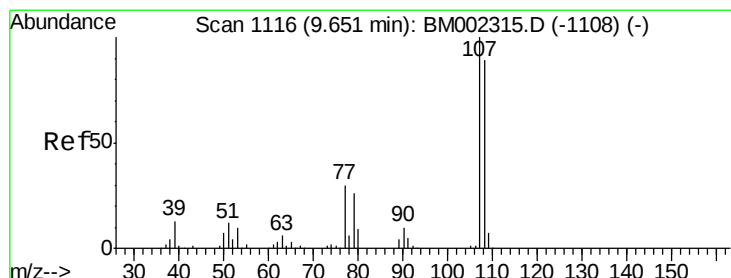
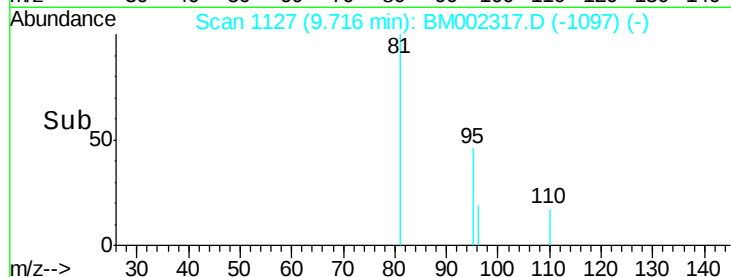
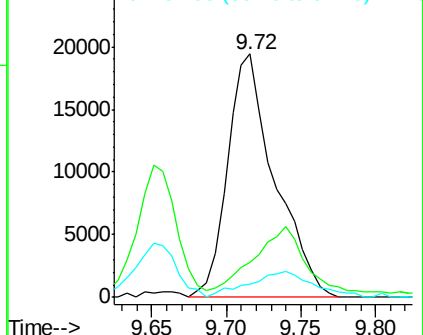
51 5.6 23.4 35.0#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0



#16

4-Methylphenol

Concen: 3.22 ng/ul

RT: 9.65 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BM002317.D

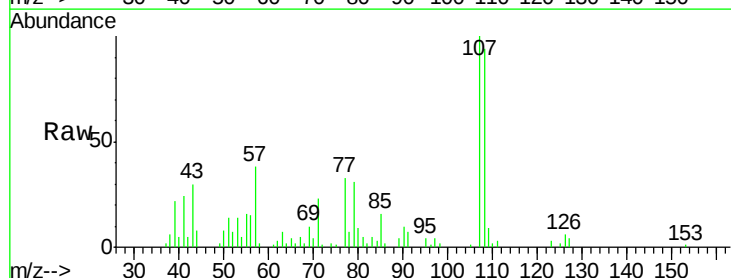
Acq: 10 Aug 2015 17:50

Tgt Ion:108 Resp: 55643

Ion Ratio Lower Upper

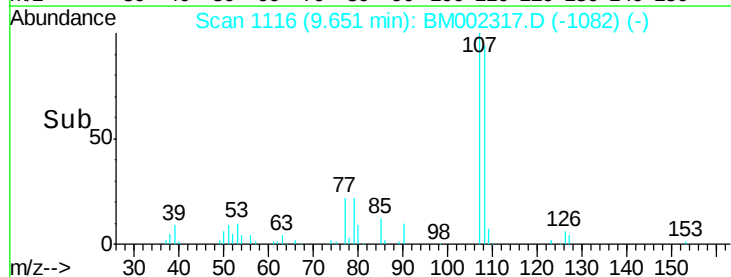
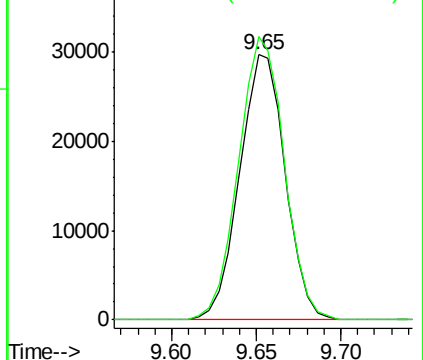
108 100

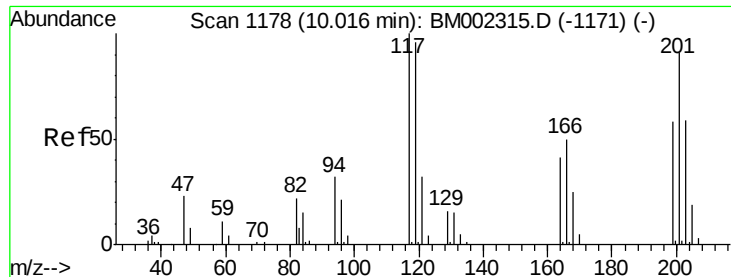
107 106.6 90.9 136.3



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

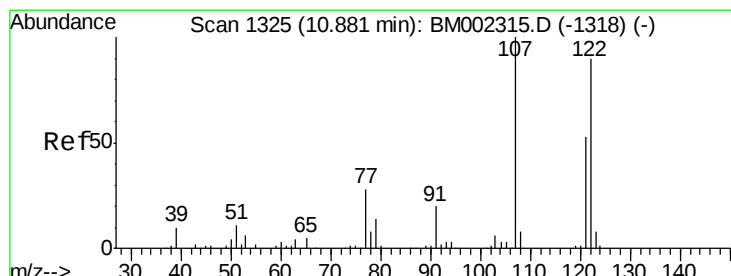
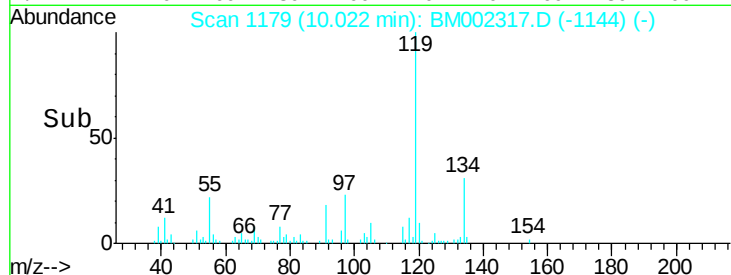
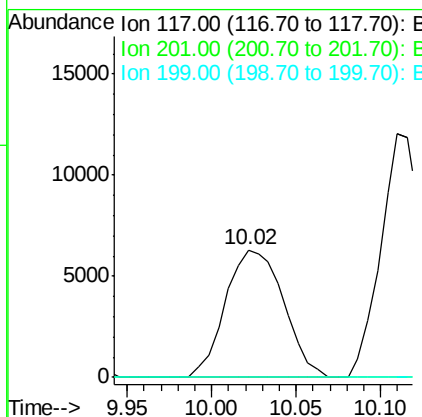
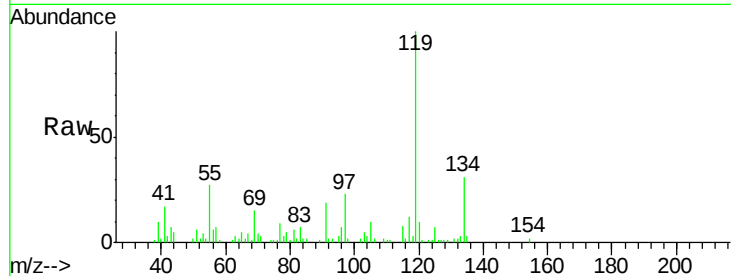




#17
 Hexachloroethane
 Concen: 2.32 ng/ul
 RT: 10.02 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: BM002317.D
 Acq: 10 Aug 2015 17:50

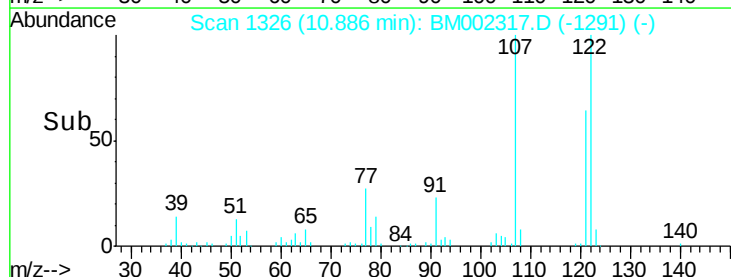
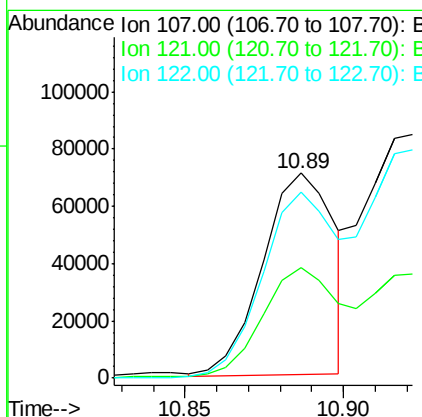
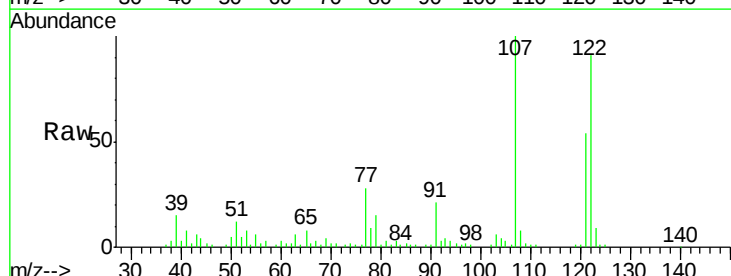
Instrument :
 BNA_M
 ClientSampleId :

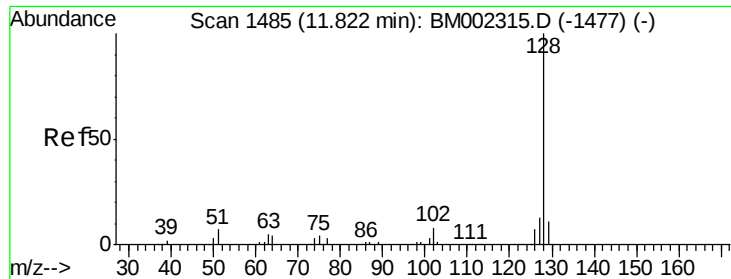
Tot Ion:117 Resp: 15043
 Ion Ratio Lower Upper
 117 100
 201 0.0 71.5 107.3#
 199 0.0 44.9 67.3#



#24
 2,4-Dimethylphenol
 Concen: 5.91 ng/ul
 RT: 10.89 min Scan# 1326
 Delta R.T. 0.01 min
 Lab File: BM002317.D
 Acq: 10 Aug 2015 17:50

Tgt Ion:107 Resp: 110891
 Ion Ratio Lower Upper
 107 100
 121 54.2 41.8 62.6
 122 90.8 71.2 106.8

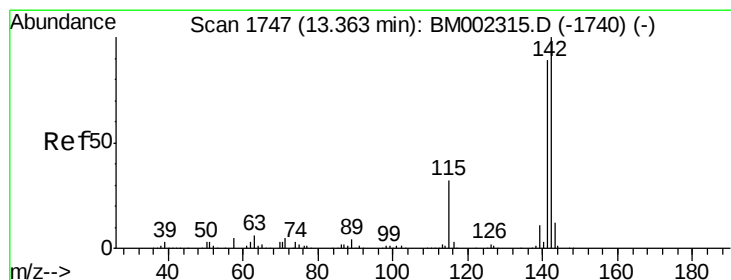
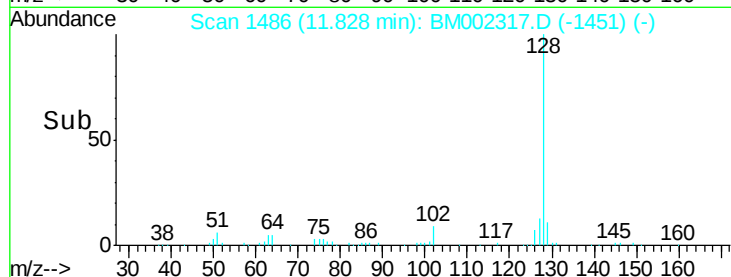
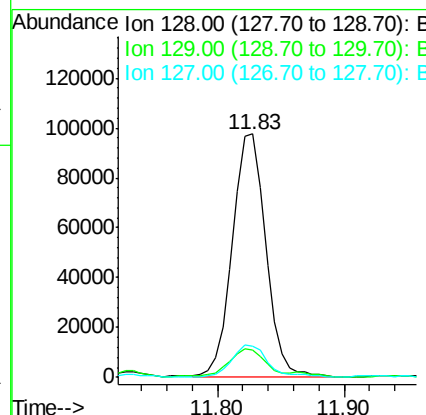
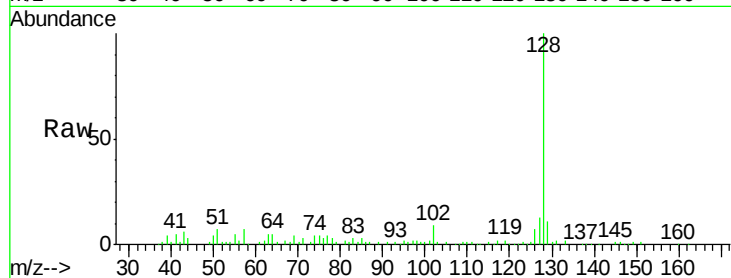




#28
Naphthalene
Concen: 3.36 ng/ul
RT: 11.83 min Scan# 1486
Delta R.T. 0.01 min
Lab File: BM002317.D
Acq: 10 Aug 2015 17:50

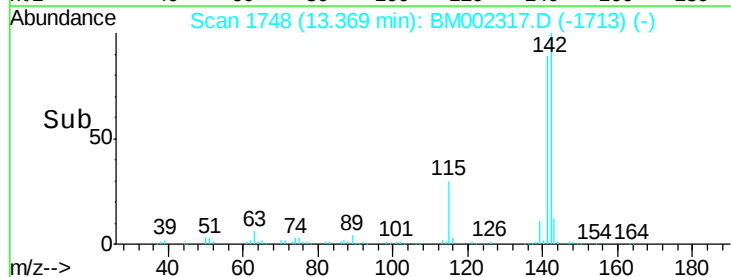
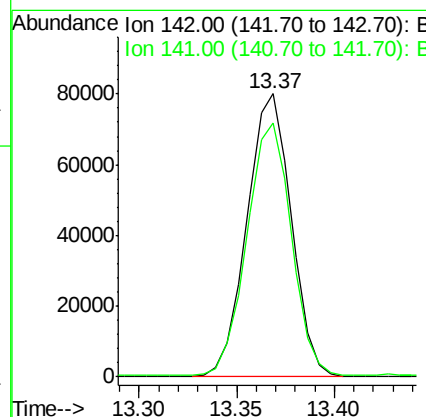
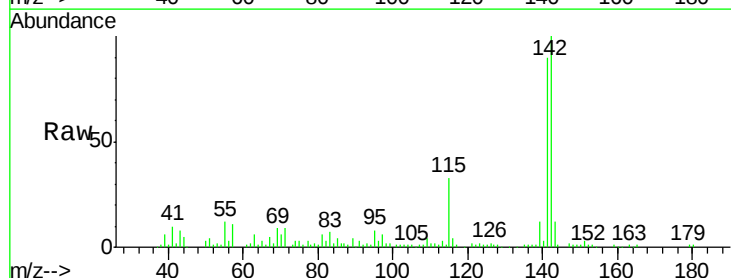
Instrument :
BNA_M
ClientSampleId :

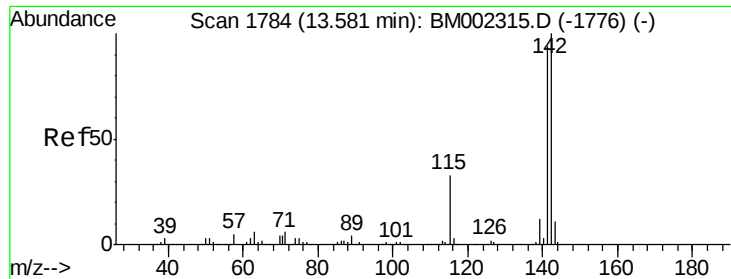
Tot Ion:128 Resp: 179222
Ion Ratio Lower Upper
128 100
129 11.2 8.6 12.8
127 12.9 10.4 15.6



#34
2-Methylnaphthalene
Concen: 3.31 ng/ul
RT: 13.37 min Scan# 1748
Delta R.T. 0.01 min
Lab File: BM002317.D
Acq: 10 Aug 2015 17:50

Tgt Ion:142 Resp: 126262
Ion Ratio Lower Upper
142 100
141 89.7 72.5 108.7

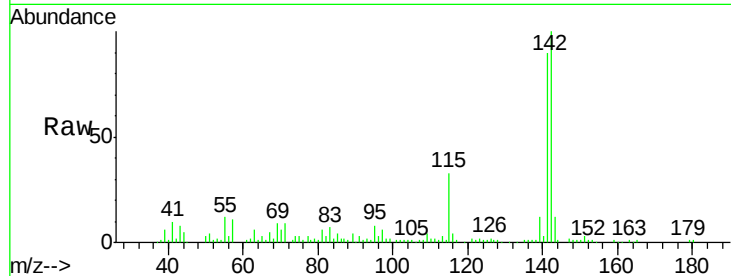




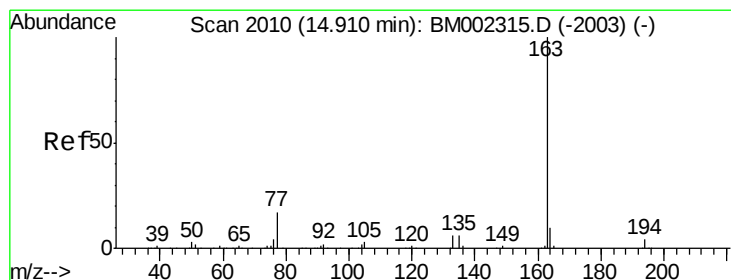
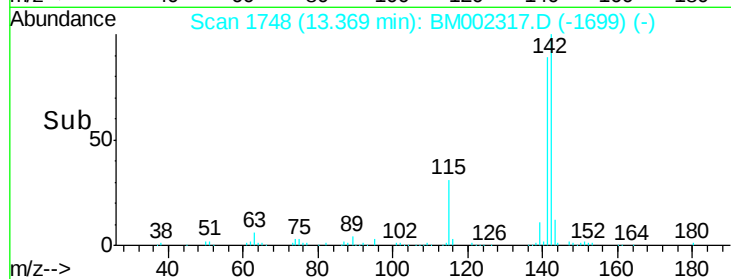
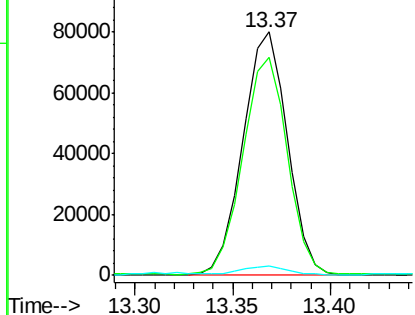
#35
1-Methylnaphthalene
Concen: 3.36 ng/ul
RT: 13.37 min Scan# 1748
Delta R.T. -0.21 min
Lab File: BM002317.D
Acq: 10 Aug 2015 17:50

Instrument :
BNA_M
ClientSampleId :

Tot Ion:142 Resp: 126262
Ion Ratio Lower Upper
142 100
141 89.7 74.5 111.7
116 3.8 3.0 4.4

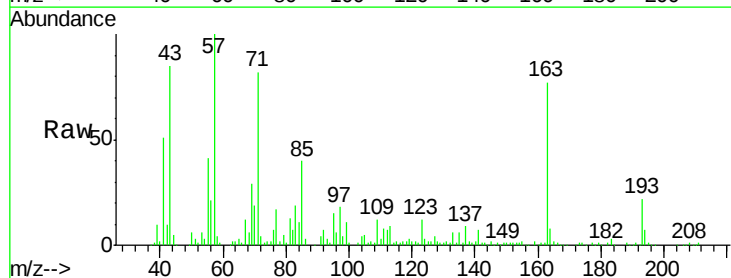


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

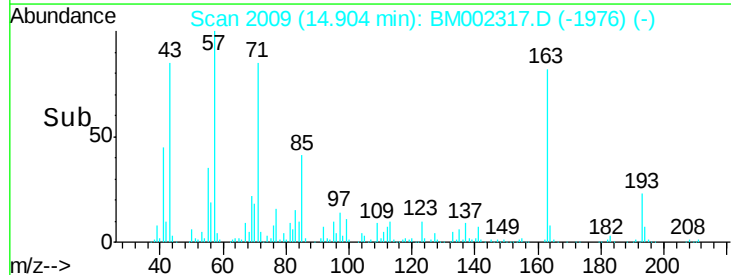
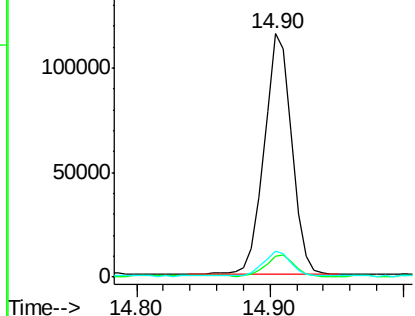


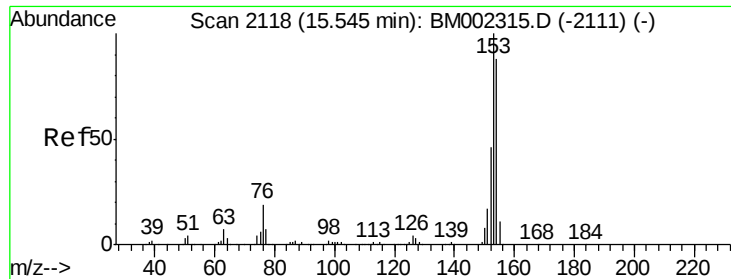
#45
Dimethylphthalate
Concen: 3.75 ng/ul
RT: 14.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BM002317.D
Acq: 10 Aug 2015 17:50

Tgt Ion:163 Resp: 165722
Ion Ratio Lower Upper
163 100
194 8.7 3.2 4.8#
164 10.7 7.9 11.9



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





#50

Acenaphthene

Concen: 2.43 ng/ul

RT: 15.54 min Scan# 2118

Delta R.T. -0.00 min

Lab File: BM002317.D

Acq: 10 Aug 2015 17:50

Instrument :

BNA_M

ClientSampleId :

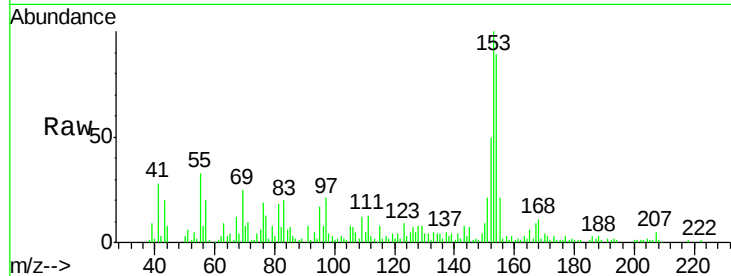
Tot Ion:153 Resp: 92520

Ion Ratio Lower Upper

153 100

152 49.7 36.6 55.0

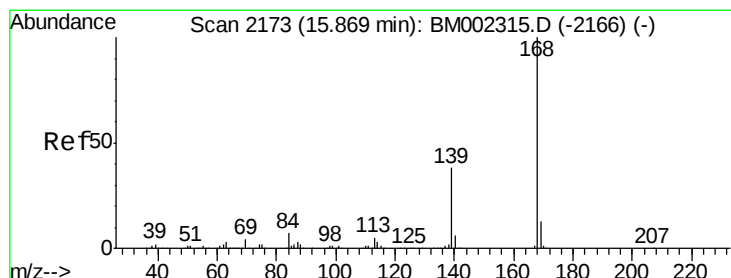
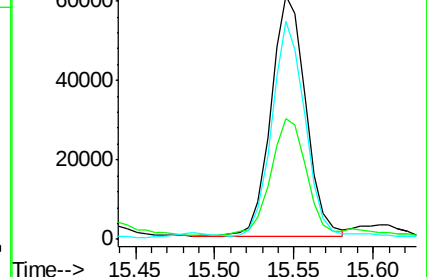
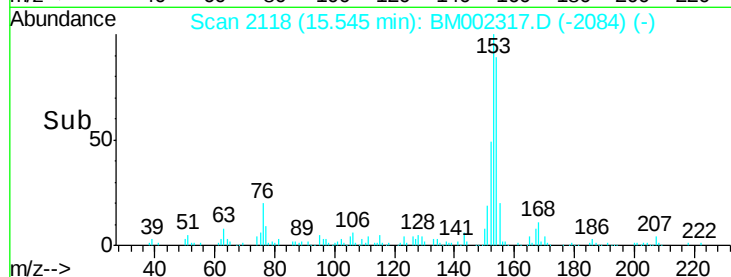
154 89.4 71.5 107.3



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

Dibenzofuran

Concen: 1.47 ng/ul

RT: 15.87 min Scan# 2174

Delta R.T. 0.01 min

Lab File: BM002317.D

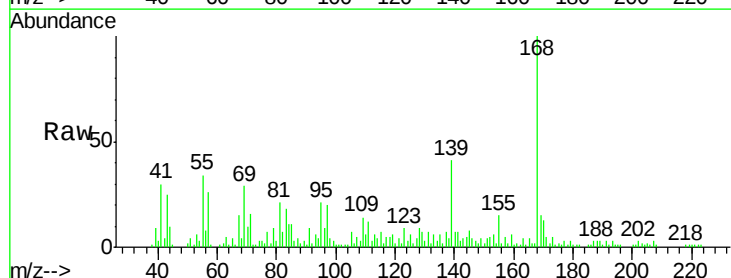
Acq: 10 Aug 2015 17:50

Tgt Ion:168 Resp: 74904

Ion Ratio Lower Upper

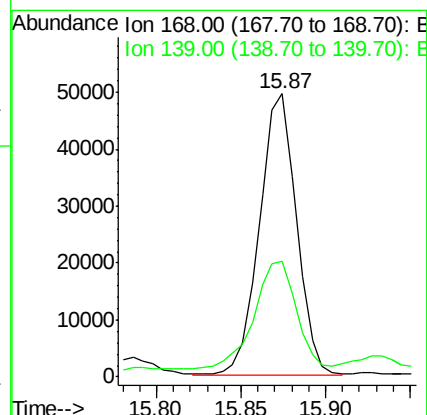
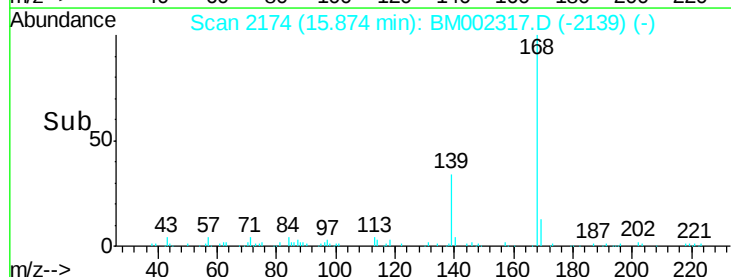
168 100

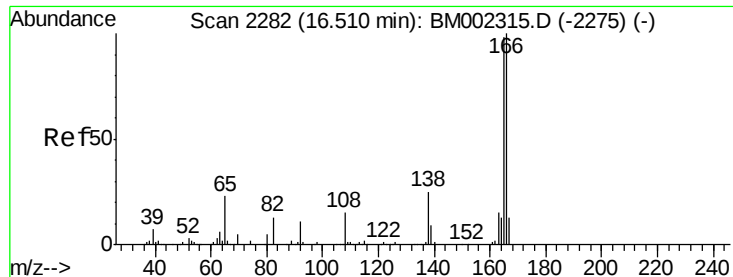
139 40.7 31.3 46.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 2.72 ng/ul

RT: 16.51 min Scan# 2282

Delta R.T. -0.00 min

Lab File: BM002317.D

Acq: 10 Aug 2015 17:50

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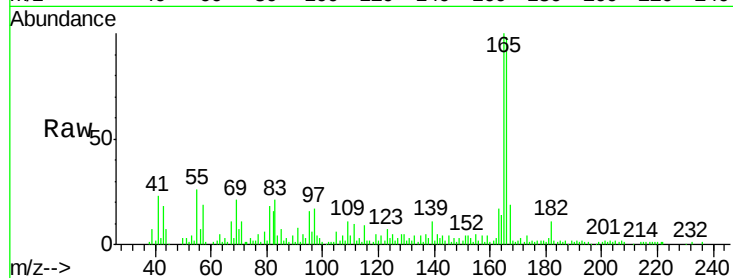
Tot Ion:166 Resp: 116488

Ion Ratio Lower Upper

166 100

165 102.3 77.5 116.3

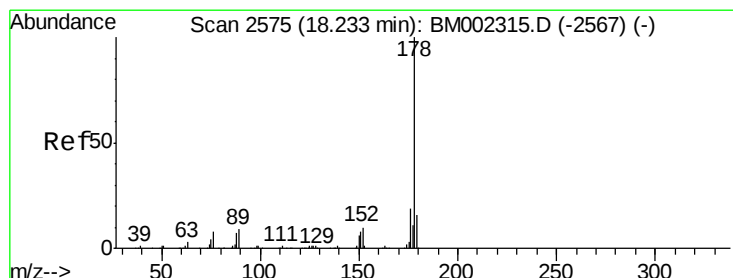
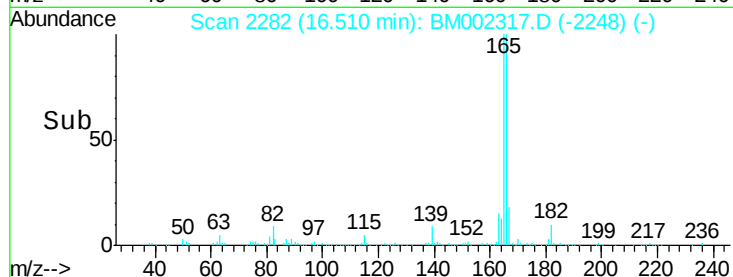
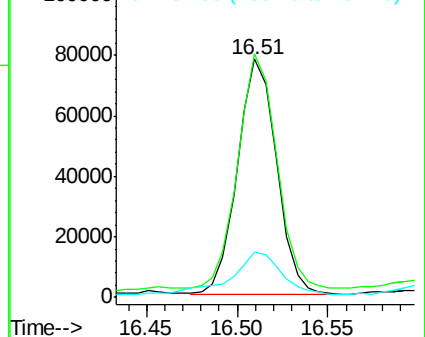
167 19.2 10.4 15.6#



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: 13.56 ng/ul

RT: 18.24 min Scan# 2576

Delta R.T. 0.01 min

Lab File: BM002317.D

Acq: 10 Aug 2015 17:50

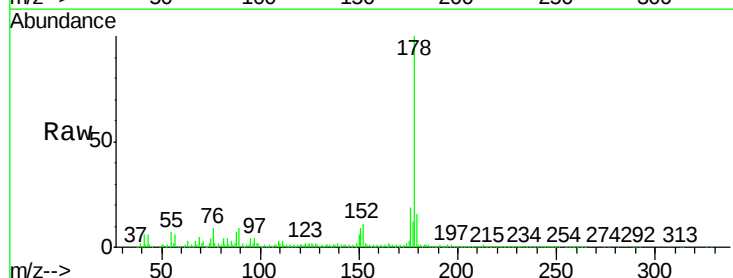
Tgt Ion:178 Resp: 794691

Ion Ratio Lower Upper

178 100

179 15.9 12.3 18.5

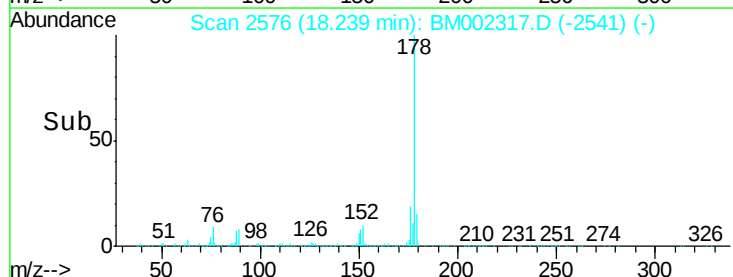
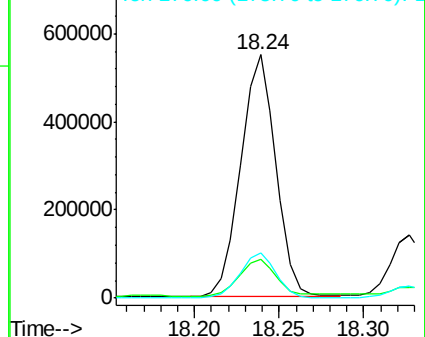
176 18.7 15.3 22.9

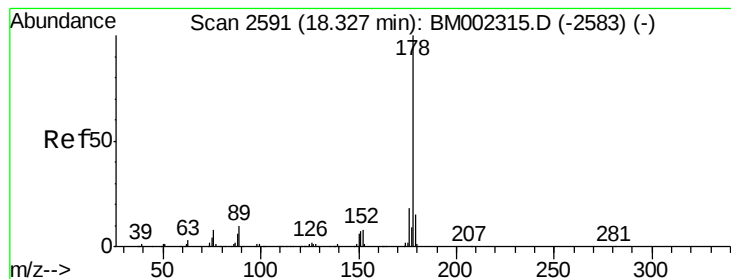


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 3.39 ng/ul

RT: 18.33 min Scan# 2591

Delta R.T. -0.00 min

Lab File: BM002317.D

Acq: 10 Aug 2015 17:50

Instrument :

BNA_M

ClientSampleId :

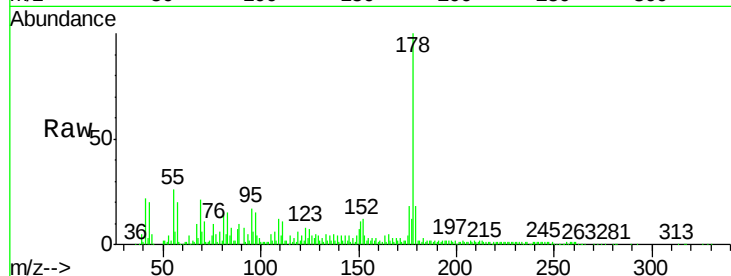
Tot Ion:178 Resp: 205456

Ion Ratio Lower Upper

178 100

179 18.0 12.3 18.5

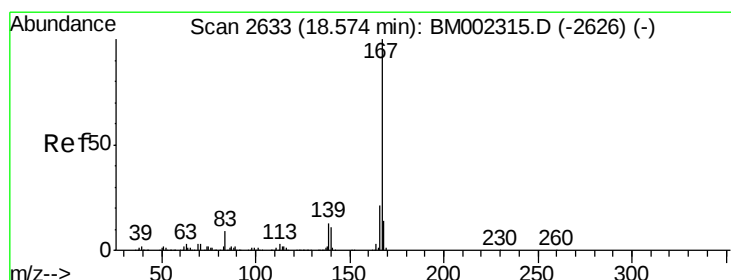
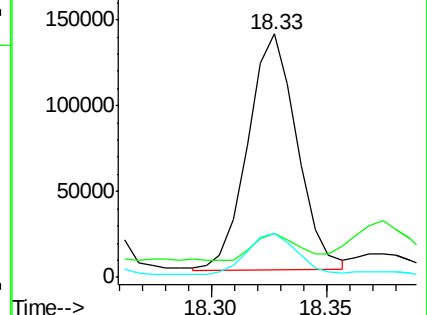
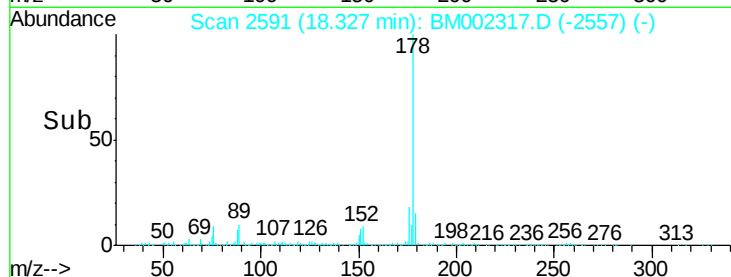
176 18.3 14.5 21.7



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: 1.47 ng/ul

RT: 18.58 min Scan# 2634

Delta R.T. 0.01 min

Lab File: BM002317.D

Acq: 10 Aug 2015 17:50

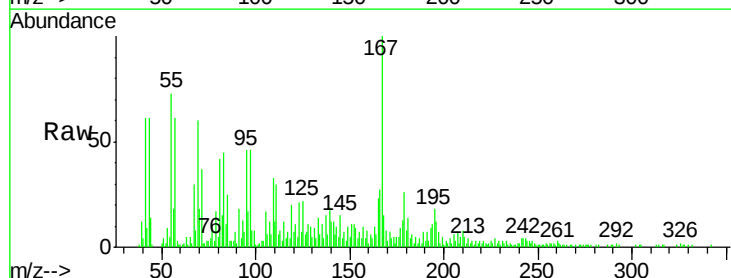
Tgt Ion:167 Resp: 80713

Ion Ratio Lower Upper

167 100

166 26.7 17.0 25.6#

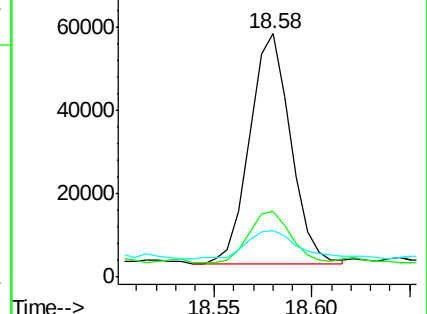
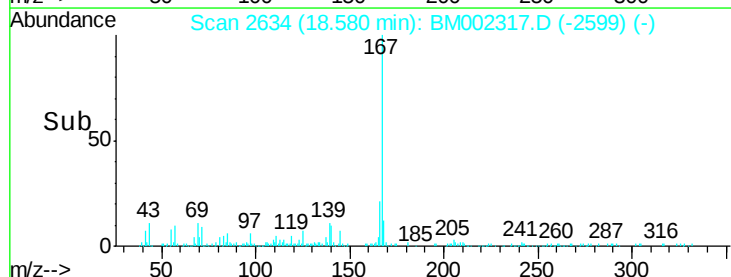
139 19.2 10.8 16.2#

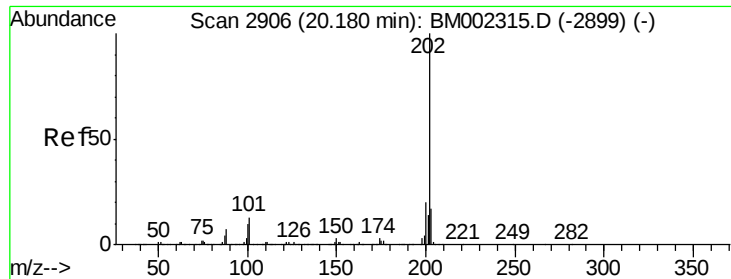


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

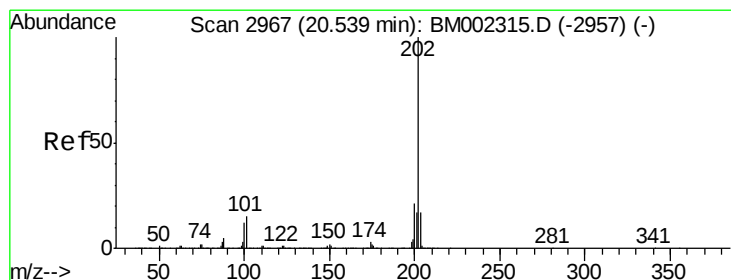
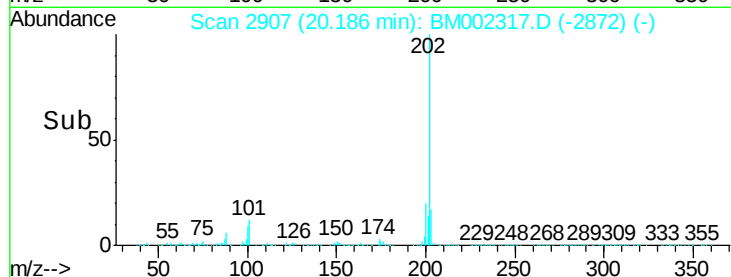
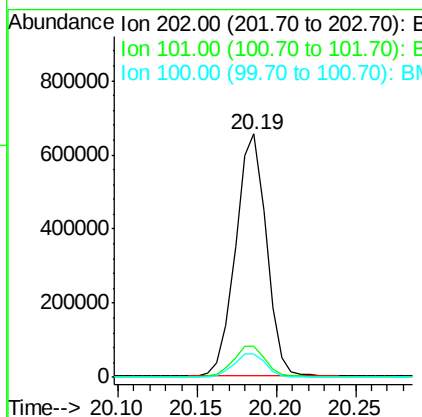
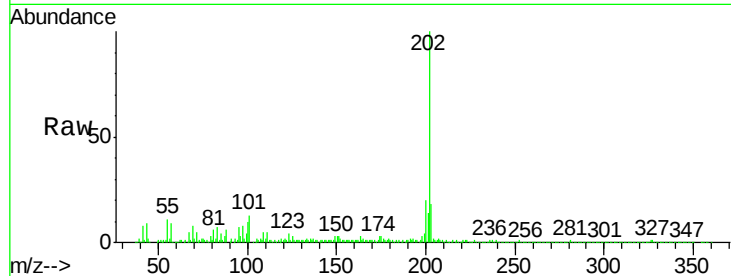




#77
 Fluoranthene
 Concen: 14.12 ng/ul
 RT: 20.19 min Scan# 2907
 Delta R.T. 0.01 min
 Lab File: BM002317.D
 Acq: 10 Aug 2015 17:50

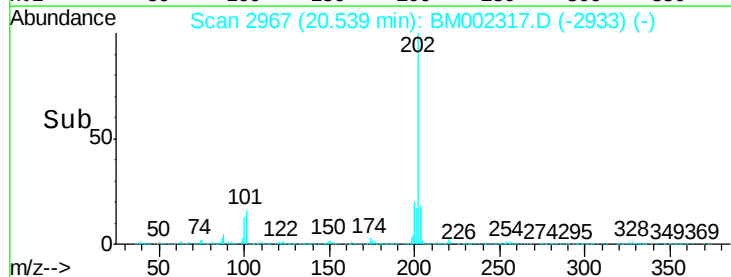
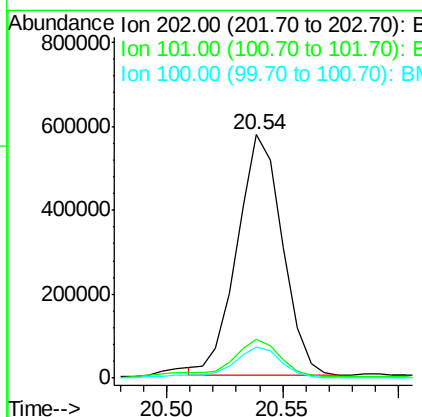
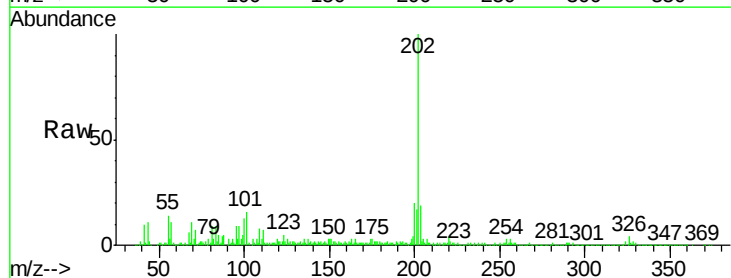
Instrument :
 BNA_M
 ClientSampleId :

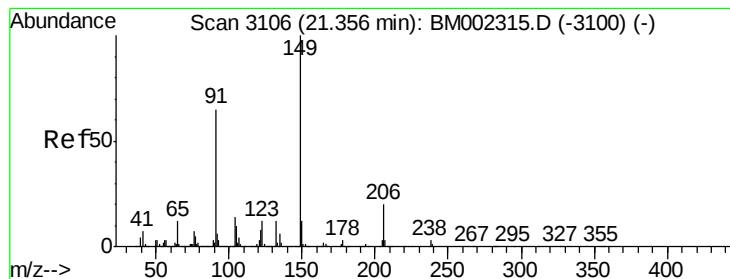
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.8	10.6	15.8
100	9.6	8.2	12.4



#80
 Pyrene
 Concen: 17.41 ng/ul
 RT: 20.54 min Scan# 2967
 Delta R.T. -0.00 min
 Lab File: BM002317.D
 Acq: 10 Aug 2015 17:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.8	13.0	19.6
100	13.0	11.0	16.4





#81

Butylbenzylphthalate

Concen: 4.17 ng/ul

RT: 21.36 min Scan# 3106

Delta R.T. -0.00 min

Lab File: BM002317.D

Acq: 10 Aug 2015 17:50

Instrument :

BNA_M

ClientSampleId :

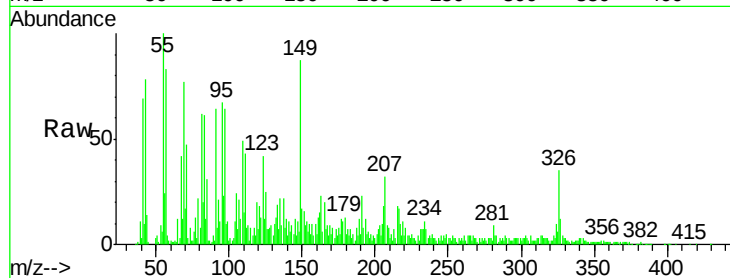
Tot Ion:149 Resp: 92900

Ion Ratio Lower Upper

149 100

91 73.5 57.5 86.3

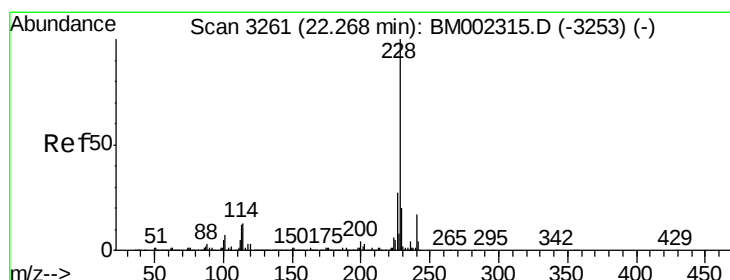
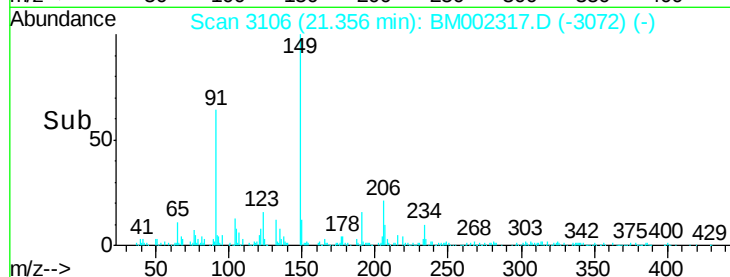
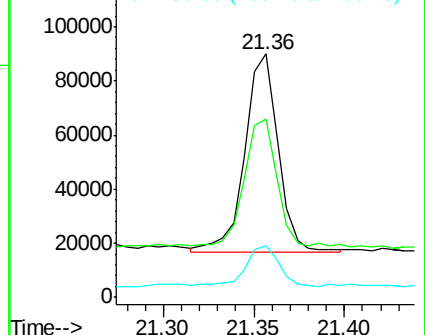
206 21.1 15.2 22.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM

Ion 206.00 (205.70 to 206.70): E



#83

Benzo(a)anthracene

Concen: 6.86 ng/ul

RT: 22.27 min Scan# 3261

Delta R.T. -0.00 min

Lab File: BM002317.D

Acq: 10 Aug 2015 17:50

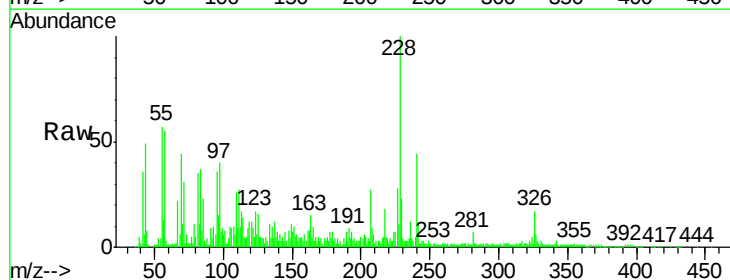
Tgt Ion:228 Resp: 292098

Ion Ratio Lower Upper

228 100

229 23.5 15.7 23.5

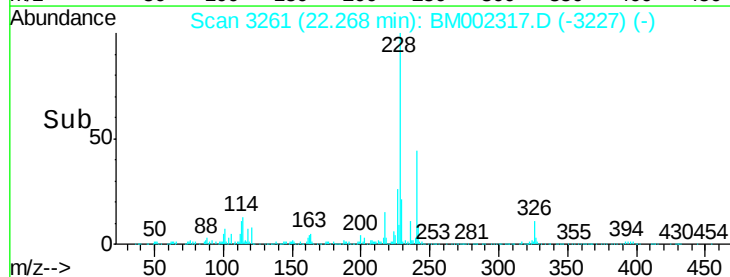
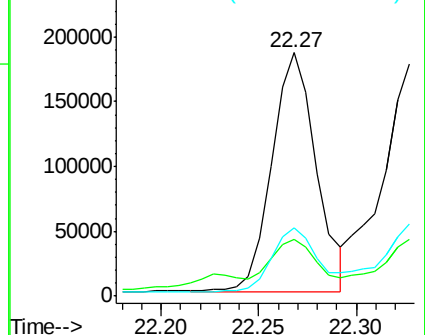
226 27.9 21.4 32.0

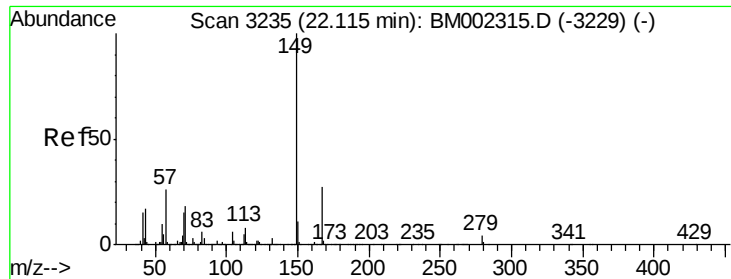


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 56.41 ng/ul

RT: 22.12 min Scan# 3235

Delta R.T. -0.00 min

Lab File: BM002317.D

Acq: 10 Aug 2015 17:50

Instrument :

BNA_M

ClientSampleId :

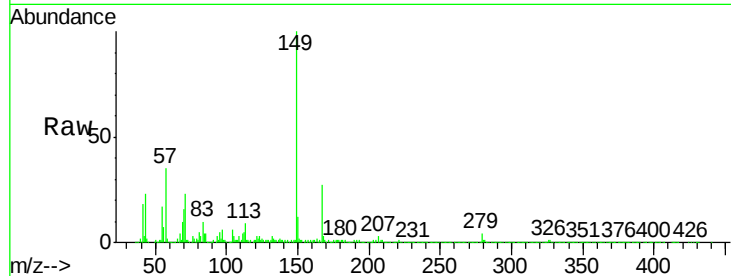
Tot Ion:149 Resp: 1816221

Ion Ratio Lower Upper

149 100

167 27.4 21.4 32.2

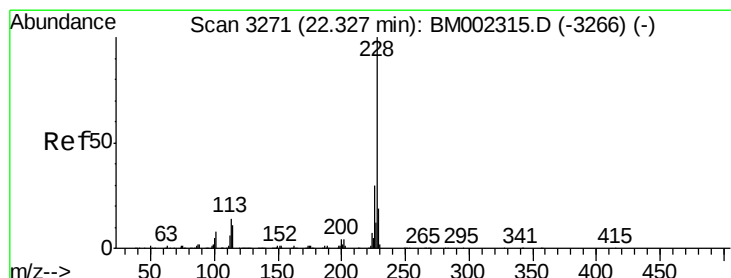
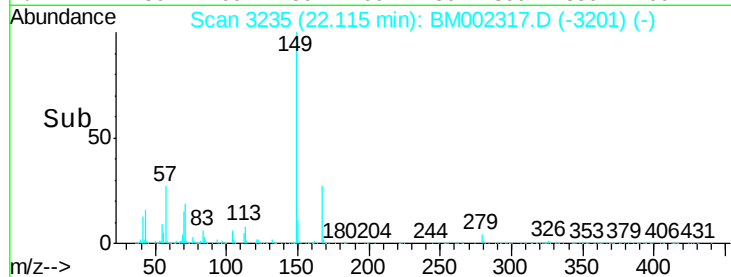
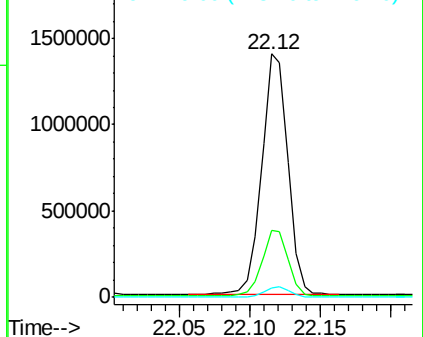
279 3.9 3.2 4.8



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: 7.34 ng/ul

RT: 22.33 min Scan# 3271

Delta R.T. -0.00 min

Lab File: BM002317.D

Acq: 10 Aug 2015 17:50

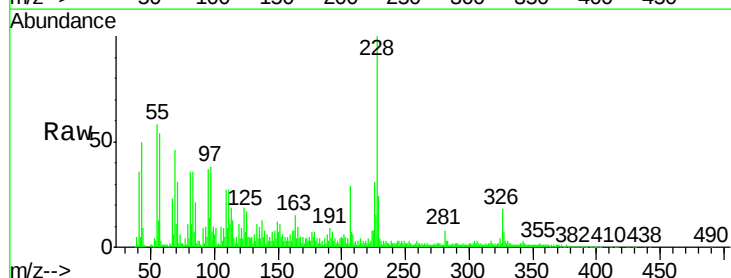
Tgt Ion:228 Resp: 295971

Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.0

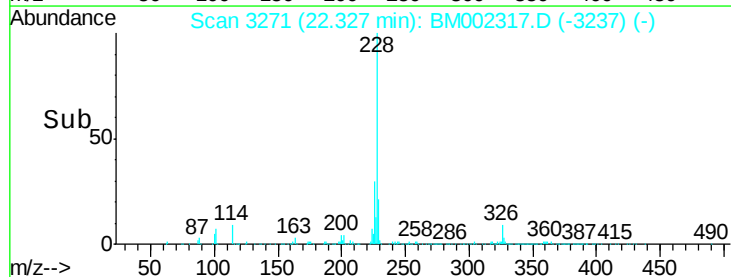
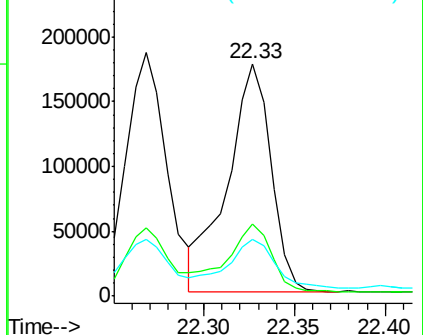
229 24.2 15.5 23.3#

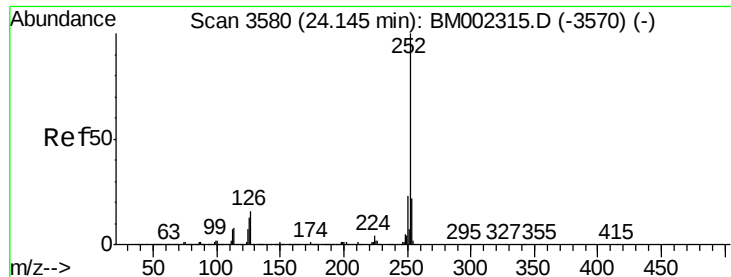


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 8.81 ng/ul

RT: 24.15 min Scan# 3581

Delta R.T. 0.01 min

Lab File: BM002317.D

Acq: 10 Aug 2015 17:50

Instrument :

BNA_M

ClientSampleId :

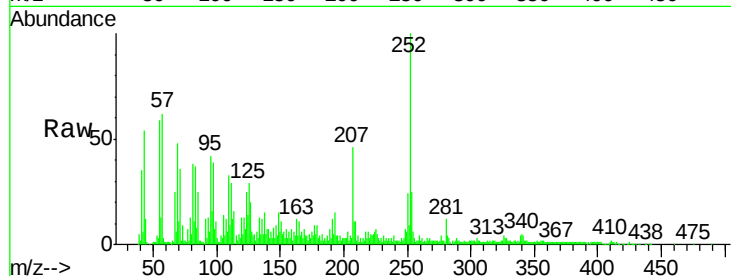
Tot Ion:252 Resp: 360382

Ion Ratio Lower Upper

252 100

253 25.3 17.9 26.9

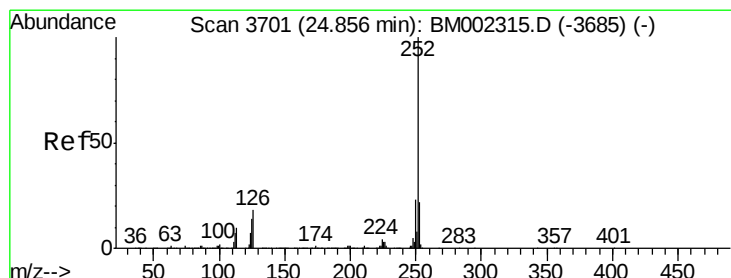
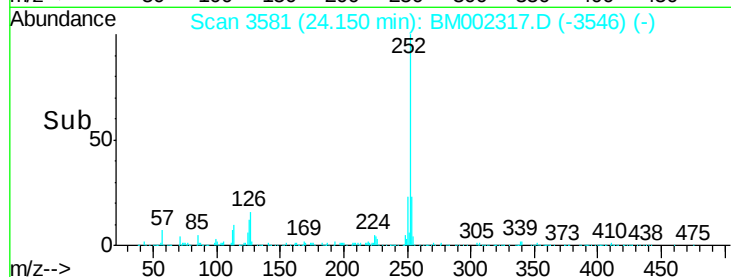
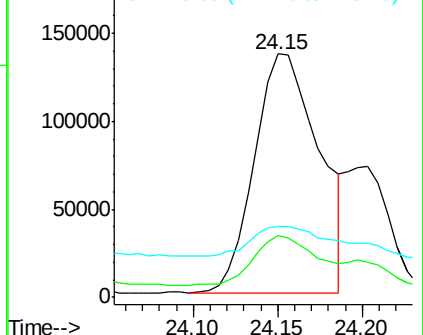
125 29.2 10.3 15.5#



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: 6.67 ng/ul

RT: 24.86 min Scan# 3702

Delta R.T. 0.01 min

Lab File: BM002317.D

Acq: 10 Aug 2015 17:50

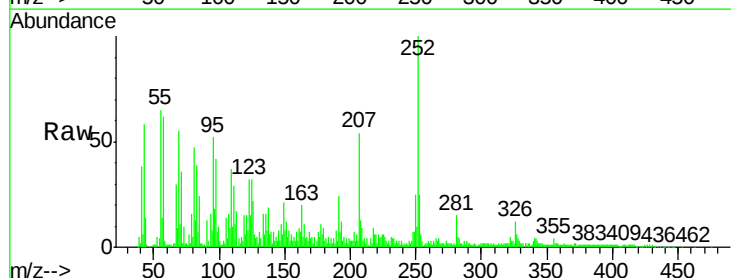
Tgt Ion:252 Resp: 261113

Ion Ratio Lower Upper

252 100

253 25.1 17.3 25.9

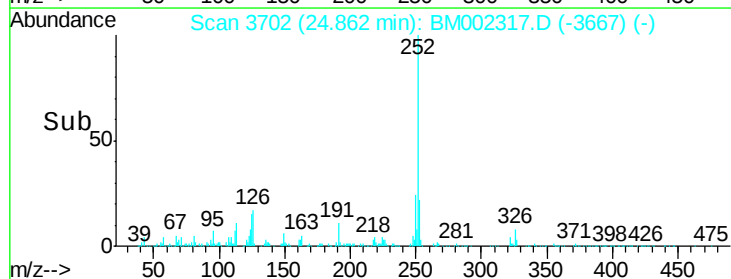
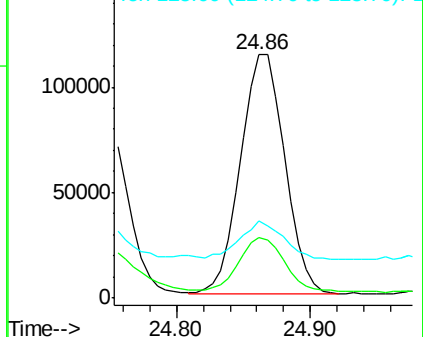
125 31.7 11.0 16.6#

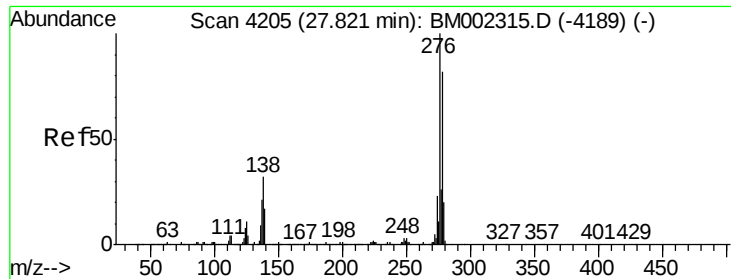


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



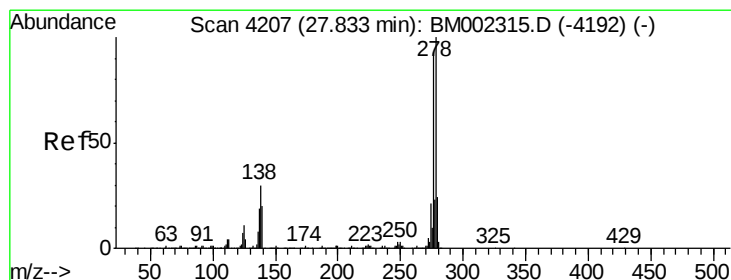
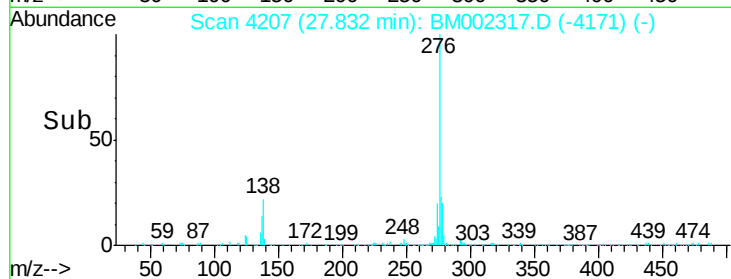
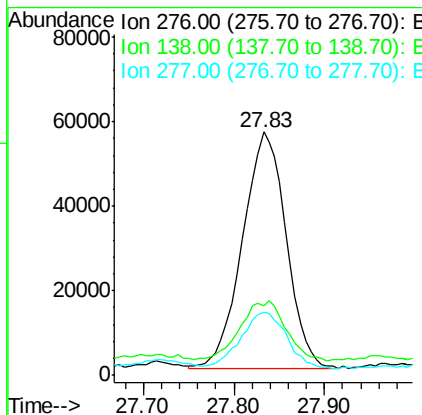
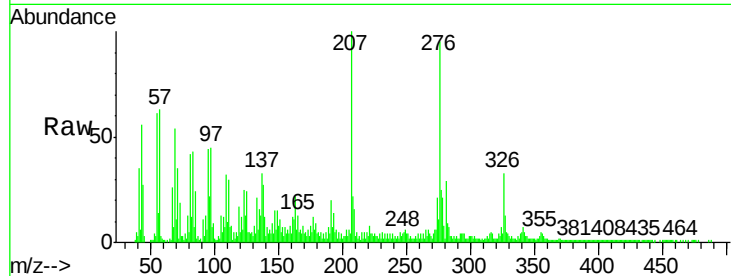


#92

Indeno(1,2,3-cd)pyrene
Concen: 4.20 ng/ul
RT: 27.83 min Scan# 4207
Delta R.T. 0.01 min
Lab File: BM002317.D
Acq: 10 Aug 2015 17:50

Instrument :
BNA_M
ClientSampleId :

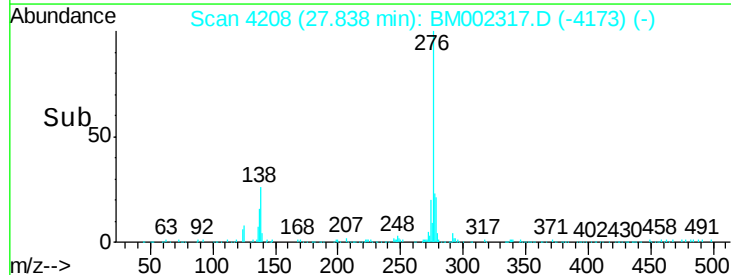
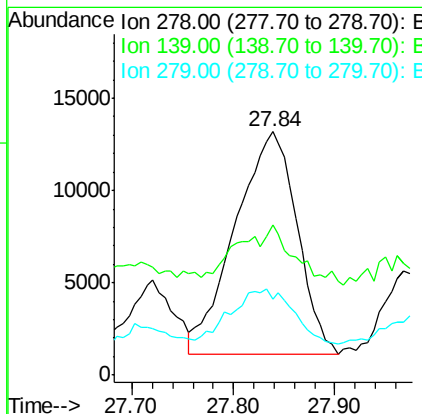
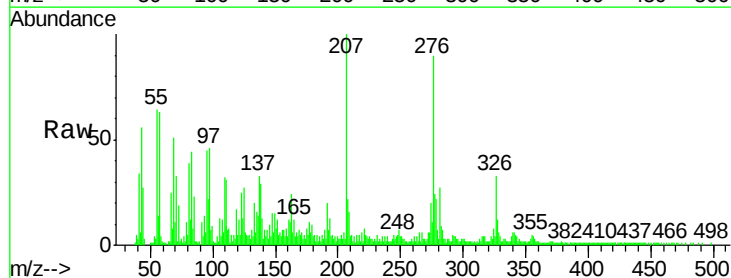
Tot Ion	Ratio	Lower	Upper
276	100		
138	28.6	25.6	38.4
277	25.9	21.0	31.4

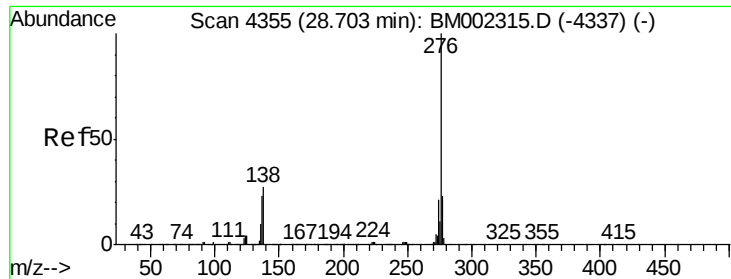


#93

Dibenzo(a,h)anthracene
Concen: 1.35 ng/ul
RT: 27.84 min Scan# 4208
Delta R.T. 0.01 min
Lab File: BM002317.D
Acq: 10 Aug 2015 17:50

Tgt Ion	Ratio	Lower	Upper
278	100		
139	61.6	16.4	24.6#
279	31.3	18.8	28.2#





#94

Benzo(a,h,i)perylene

Concen: 4.78 ng/ul

RT: 28.72 min Scan# 4358

Delta R.T. 0.02 min

Lab File: BM002317.D

Acq: 10 Aug 2015 17:50

Instrument :

BNA_M

ClientSampleId :

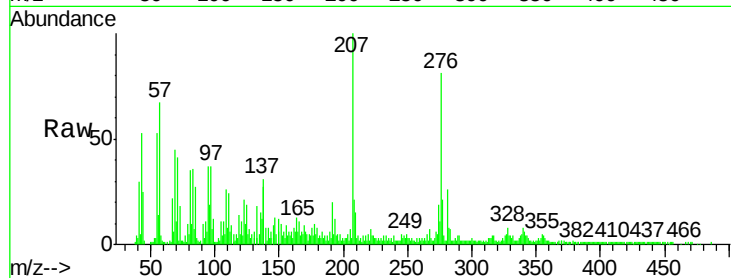
Tot Ion:276 Resp: 180812

Ion Ratio Lower Upper

276 100

138 33.6 20.5 30.7#

277 25.8 19.0 28.6



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

