

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
 Data File : BM002151.D
 Acq On : 31 Jul 2015 11:59
 Operator : TP/UM
 Sample : G3030-15DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C02F0DL

Quant Time: Aug 01 02:20:25 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 01 02:15:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	37727	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	152007	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.24	164	90804	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.99	188	208514	20.00	ng/ul	0.00
78) Chrysene-d12	21.20	240	246536	20.00	ng/ul	0.00
86) Perylene-d12	23.40	264	252632	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.03	96	274	0.38	ng/uL	0.00
5) Phenol-d5	6.76	99	9477	3.51	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.91	67	5371	3.60	ng/ul	0.00
9) 2-Chlorophenol-d4	7.10	132	8355	3.65	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	6847	3.19	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	3819	3.53	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	4049	3.37	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	8021	3.47	ng/ul	0.00
29) 4-Chloroaniline-d4	10.51	131	5276	2.08	ng/ul	0.00
44) Dimethylphthalate-d6	13.65	166	26419	3.97	ng/ul	0.00
47) Acenaphthylene-d8	13.93	160	27868	3.35	ng/ul	0.00
52) 4-Nitrophenol-d4	14.48	143	1877	1.69	ng/ul	0.00
58) Fluorene-d10	15.24	176	20072	3.43	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.39	200	842	0.66	ng/ul	0.00
71) Anthracene-d10	17.09	188	29537	3.17	ng/ul	0.00
79) Pyrene-d10	19.40	212	33180	3.20	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.26	264	35157	2.87	ng/ul	0.00

Target Compounds

					Ovalue
28) Naphthalene	10.41	128	8531	1.18 ng/ul	98
34) 2-Methylnaphthalene	12.03	142	5859	1.12 ng/ul	94
35) 1-Methylnaphthalene	12.26	142	5536	1.10 ng/ul#	98
45) Dimethylphthalate	13.70	163	14171	2.13 ng/ul	100
48) Acenaphthylene	13.96	152	19730	2.30 ng/ul	98
50) Acenaphthene	14.30	153	20928	3.72 ng/ul	96
54) Dibenzofuran	14.64	168	19376	2.40 ng/ul	88
59) Fluorene	15.29	166	44960	6.74 ng/ul	99
70) Phenanthrene	17.04	178	584744	54.14 ng/ul	99
72) Anthracene	17.13	178	133971	12.13 ng/ul	99
75) Carbazole	17.40	167	18531	1.96 ng/ul	98
77) Fluoranthene	19.06	202	668451	53.60 ng/ul	99
80) Pyrene	19.43	202	701447	52.29 ng/ul	99
83) Benzo(a)anthracene	21.18	228	338026	24.73 ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.11	149	9417	1.20 ng/ul#	91
85) Chrysene	21.23	228	299581	23.43 ng/ul	98
88) Benzo(b)fluoranthene	22.74	252	306963	21.62 ng/ul	98
89) Benzo(k)fluoranthene	22.74	252	156682	11.44 ng/ul	99
91) Benzo(a)pyrene	23.30	252	244039	17.81 ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.60	276	129142	8.18 ng/ul	96
93) Dibenzo(a,h)anthracene	25.60	278	39576	2.93 ng/ul#	84
94) Benzo(a,h,i)perylene	26.28	276	109927	8.31 ng/ul	96

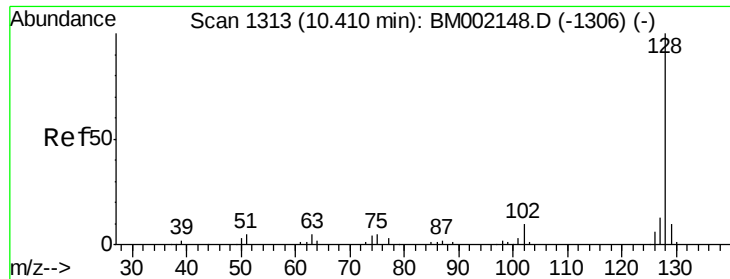
Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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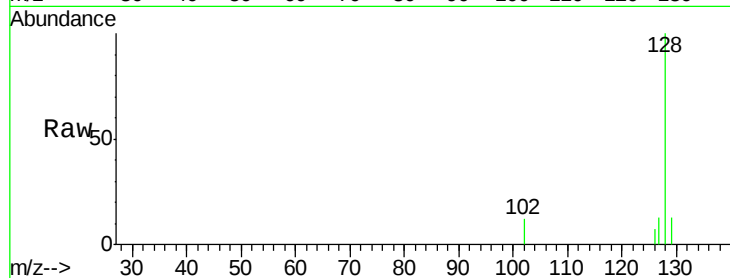
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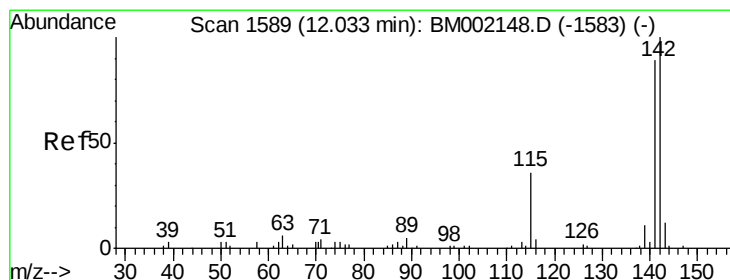
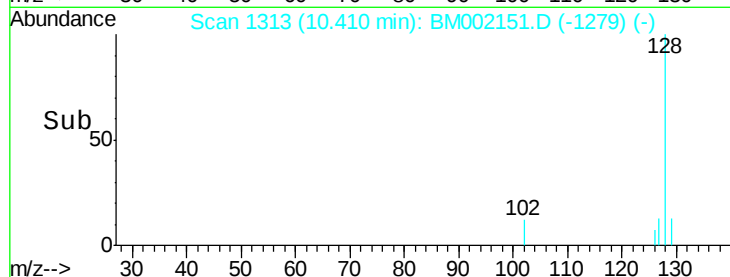
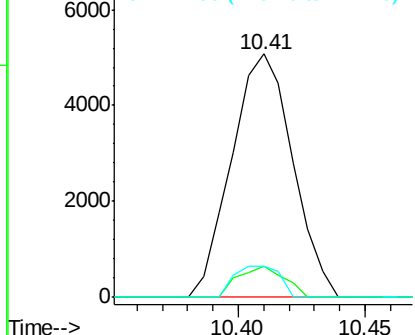
#28
Naphthalene
Concen: 1.18 ng/ul
RT: 10.41 min Scan# 1313
Delta R.T. 0.00 min
Lab File: BM002151.D
Acq: 31 Jul 2015 11:59

Instrument :
BNA_M
ClientSampleId :
C02F0DL

Tot Ion:128 Resp: 8531
Ion Ratio Lower Upper
128 100
129 12.7 9.0 13.4
127 13.0 10.2 15.4

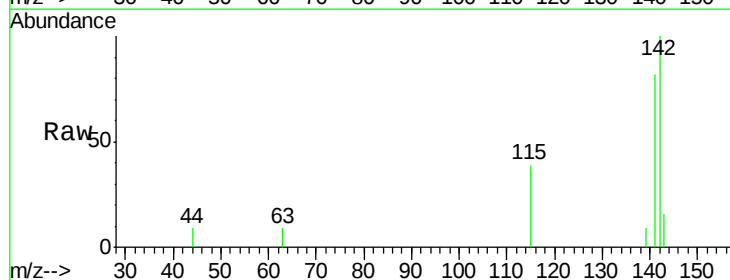


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

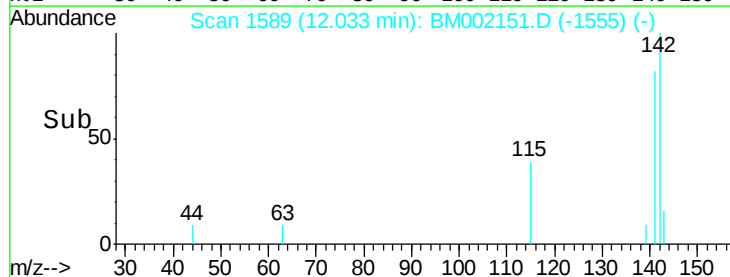
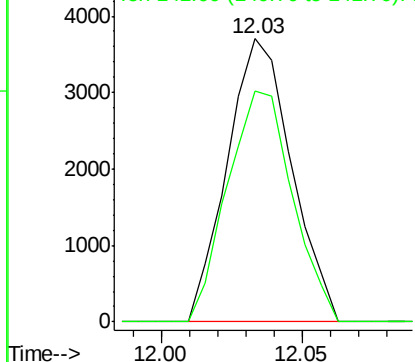


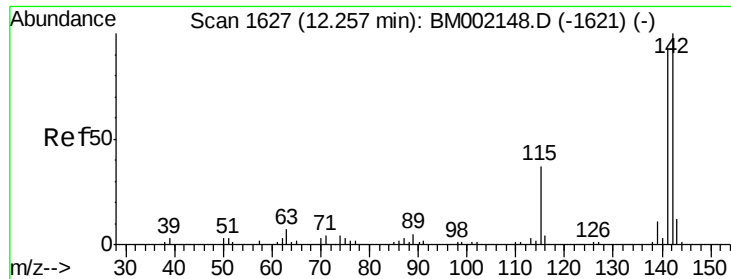
#34
2-Methylnaphthalene
Concen: 1.12 ng/ul
RT: 12.03 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BM002151.D
Acq: 31 Jul 2015 11:59

Tgt Ion:142 Resp: 5859
Ion Ratio Lower Upper
142 100
141 81.8 69.8 104.6



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

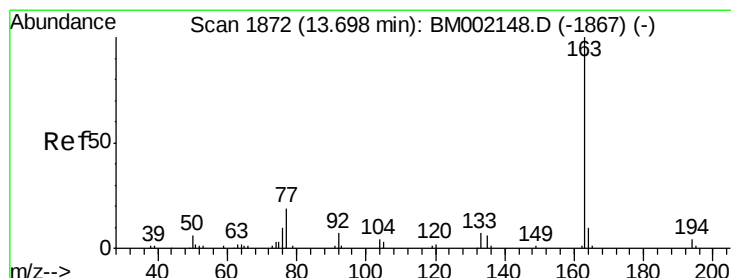
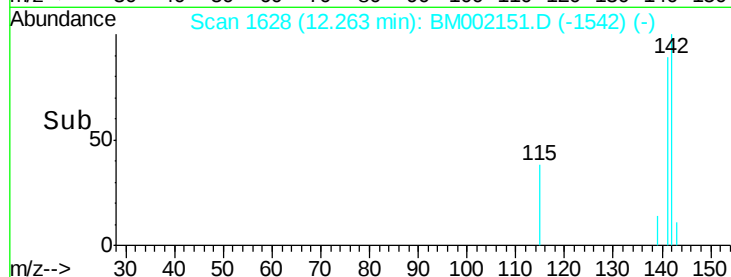
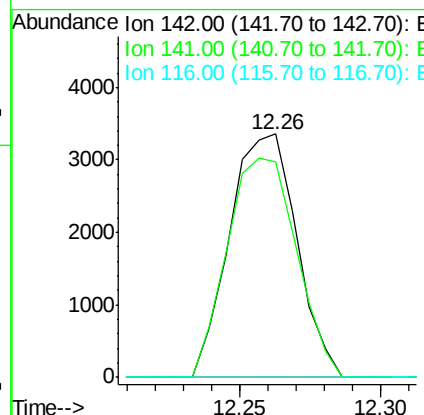
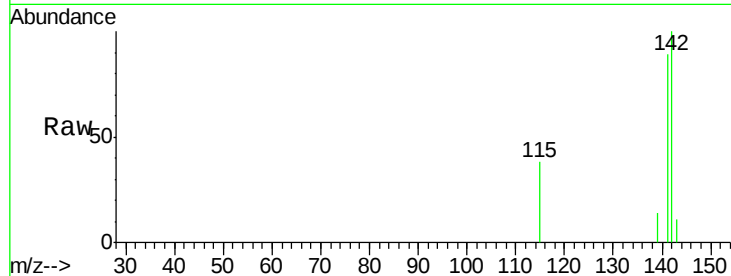




#35
 1-Methyl-naphthalene
 Concen: 1.10 ng/ul
 RT: 12.26 min Scan# 1628
 Delta R.T. 0.01 min
 Lab File: BM002151.D
 Acq: 31 Jul 2015 11:59

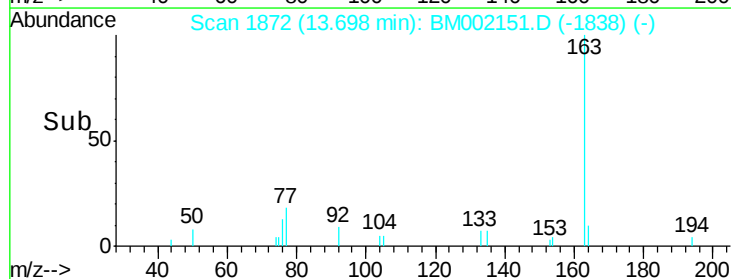
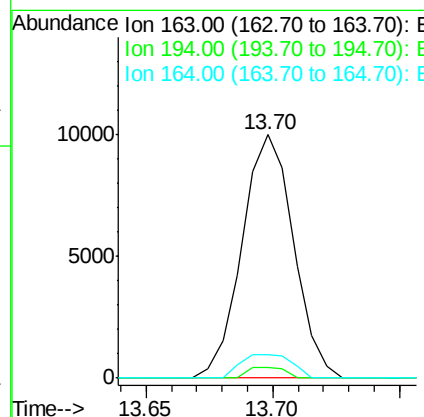
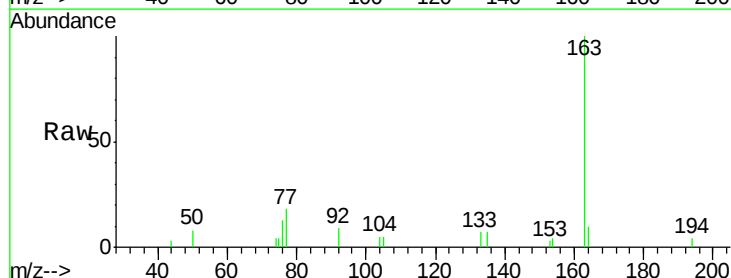
Instrument :
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 C02F0DL

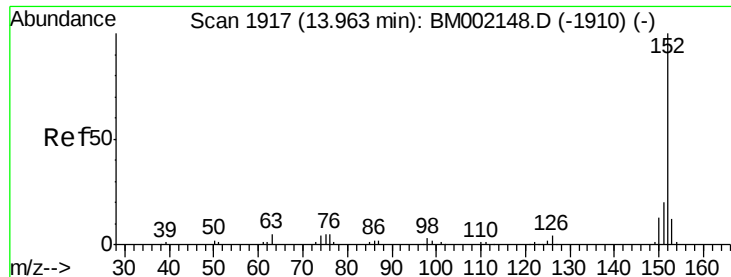
Tot Ion:142 Resp: 5536
 Ion Ratio Lower Upper
 142 100
 141 88.7 72.4 108.6
 116 0.0 3.2 4.8#



#45
 Dimethylphthalate
 Concen: 2.13 ng/ul
 RT: 13.70 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: BM002151.D
 Acq: 31 Jul 2015 11:59

Tgt Ion:163 Resp: 14171
 Ion Ratio Lower Upper
 163 100
 194 4.5 3.5 5.3
 164 9.9 8.0 12.0





#48

Acenaphthylene

Concen: 2.30 ng/ul

RT: 13.96 min Scan# 1917

Delta R.T. 0.00 min

Lab File: BM002151.D

Acq: 31 Jul 2015 11:59

Instrument :

BNA_M

ClientSampleId :

C02F0DL

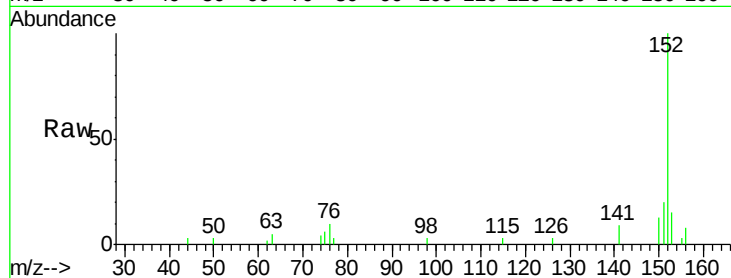
Tot Ion:152 Resp: 19730

Ion Ratio Lower Upper

152 100

151 20.0 15.6 23.4

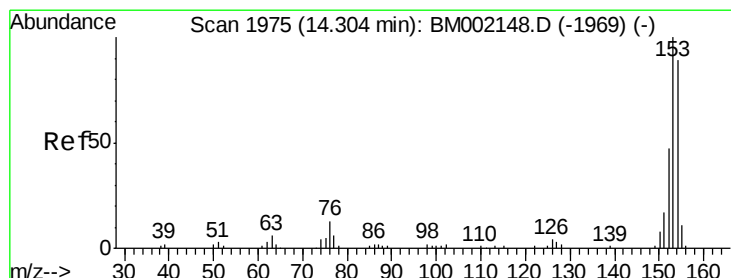
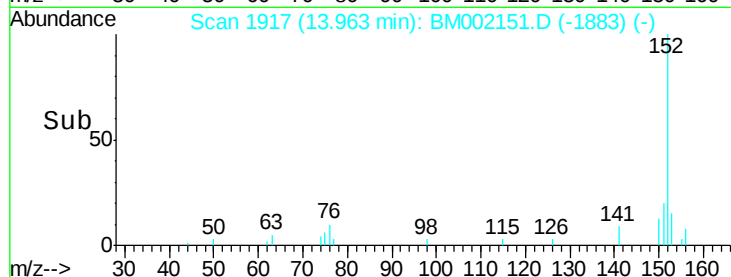
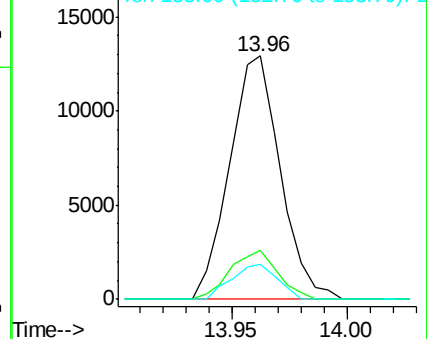
153 14.6 10.3 15.5



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: 3.72 ng/ul

RT: 14.30 min Scan# 1975

Delta R.T. 0.00 min

Lab File: BM002151.D

Acq: 31 Jul 2015 11:59

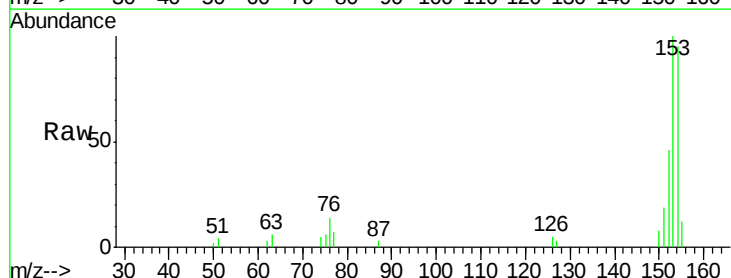
Tgt Ion:153 Resp: 20928

Ion Ratio Lower Upper

153 100

152 46.1 37.3 55.9

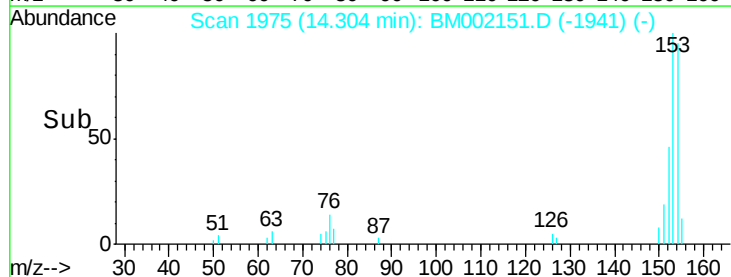
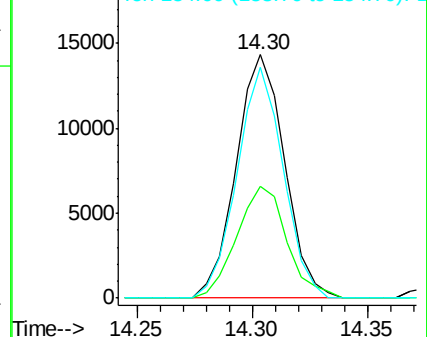
154 95.0 71.4 107.2

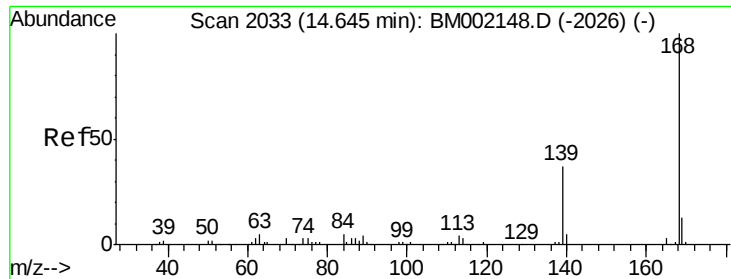


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

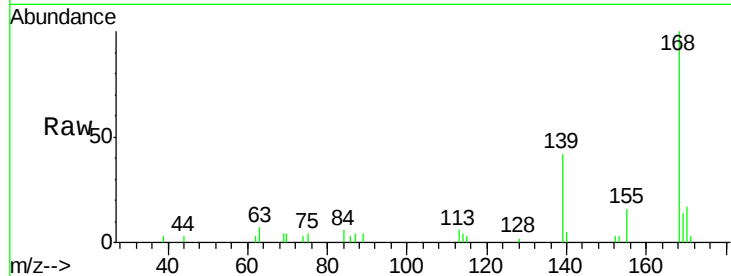




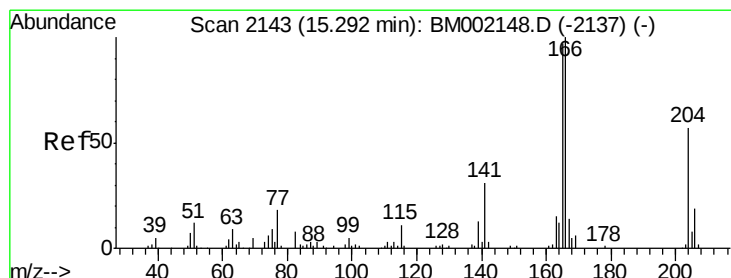
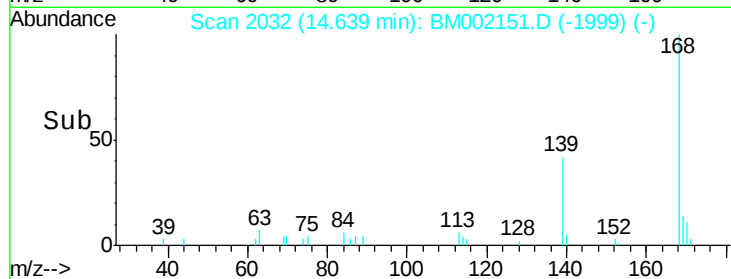
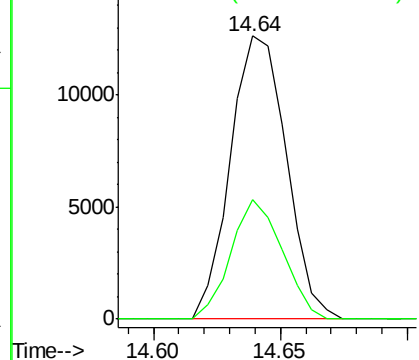
#54
Dibenzenofuran
Concen: 2.40 ng/ul
RT: 14.64 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BM002151.D
Acq: 31 Jul 2015 11:59

Instrument :
BNA_M
ClientSampleId :
C02F0DL

Tot Ion:168 Resp: 19376
Ion Ratio Lower Upper
168 100
139 42.2 28.2 42.2

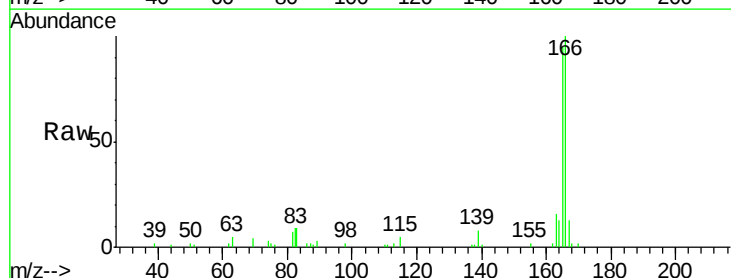


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E

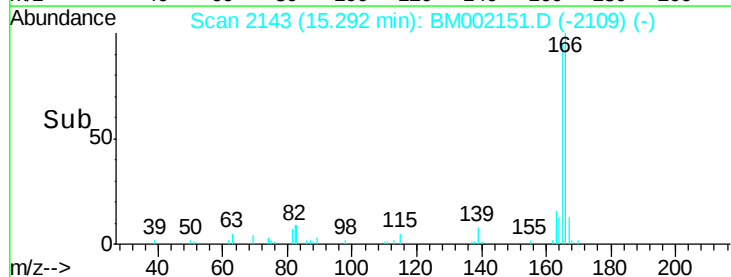
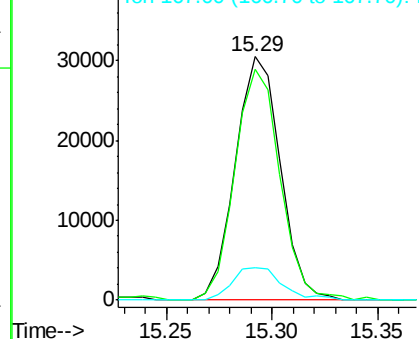


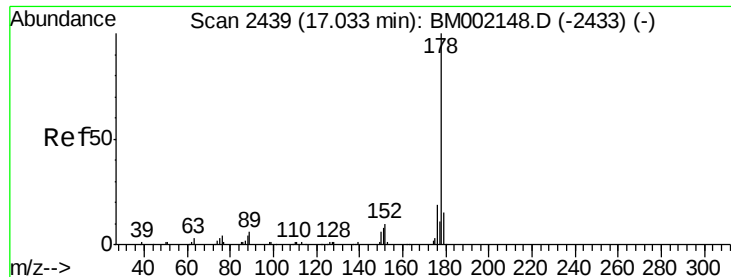
#59
Fluorene
Concen: 6.74 ng/ul
RT: 15.29 min Scan# 2143
Delta R.T. 0.00 min
Lab File: BM002151.D
Acq: 31 Jul 2015 11:59

Tgt Ion:166 Resp: 44960
Ion Ratio Lower Upper
166 100
165 95.0 75.6 113.4
167 13.5 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

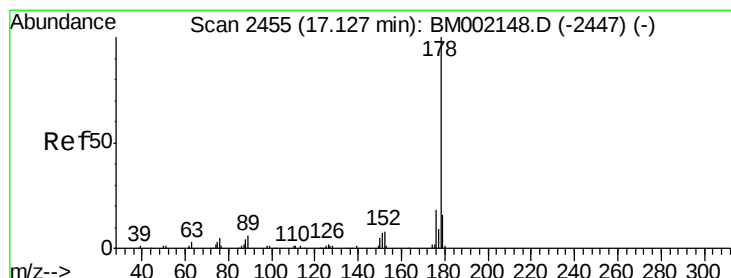
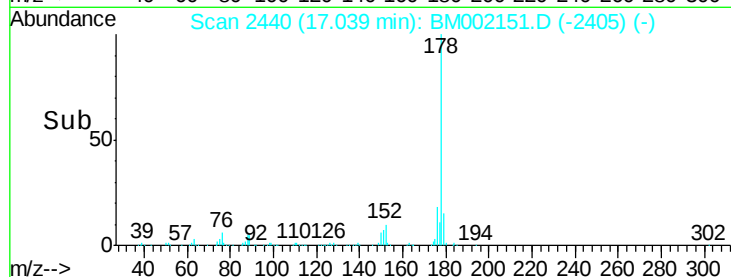
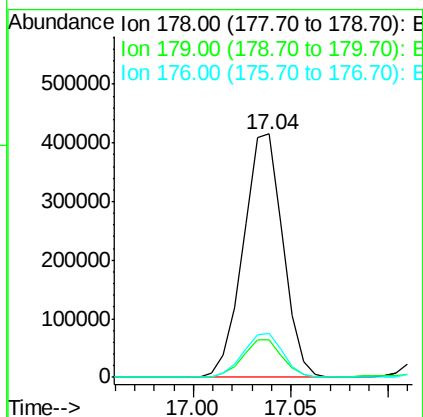
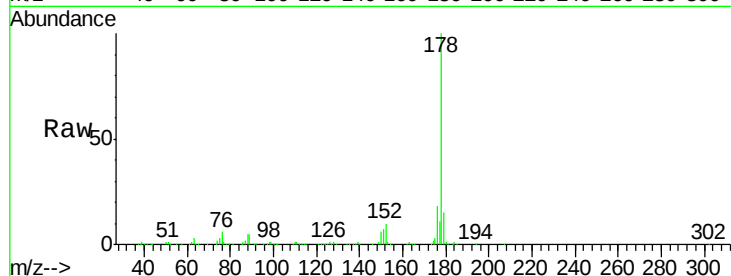




#70
Phenanthrene
Concen: 54.14 ng/ul
RT: 17.04 min Scan# 2440
Delta R.T. 0.01 min
Lab File: BM002151.D
Acq: 31 Jul 2015 11:59

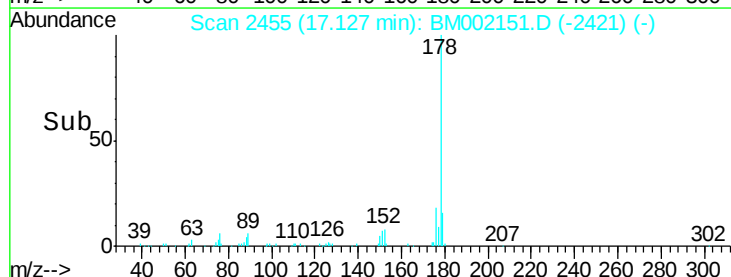
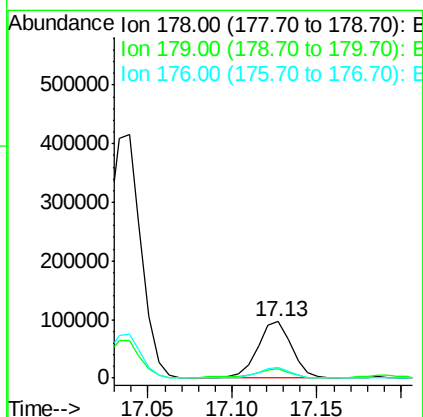
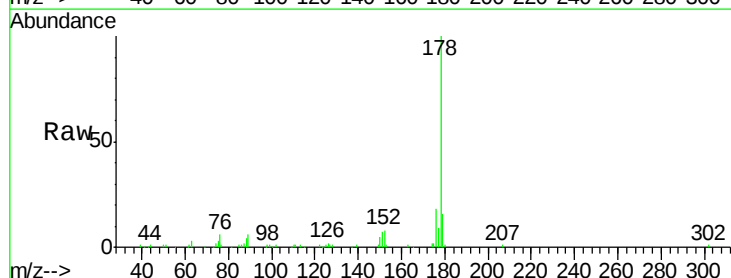
Instrument :
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ClientSampleId :
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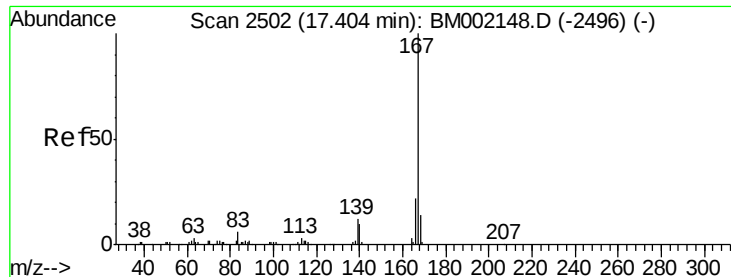
Tot Ion:178 Resp: 584744
Ion Ratio Lower Upper
178 100
179 15.3 12.5 18.7
176 18.0 14.2 21.4



#72
Anthracene
Concen: 12.13 ng/ul
RT: 17.13 min Scan# 2455
Delta R.T. 0.00 min
Lab File: BM002151.D
Acq: 31 Jul 2015 11:59

Tgt Ion:178 Resp: 133971
Ion Ratio Lower Upper
178 100
179 15.7 12.1 18.1
176 17.9 14.1 21.1





#75

Carbazole

Concen: 1.96 ng/ul

RT: 17.40 min Scan# 2502

Delta R.T. 0.00 min

Lab File: BM002151.D

Acq: 31 Jul 2015 11:59

Instrument :

BNA_M

ClientSampleId :

C02F0DL

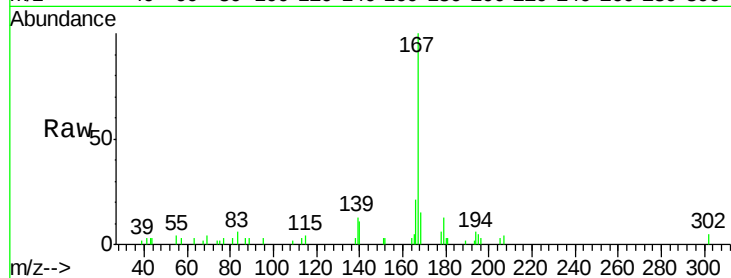
Tot Ion:167 Resp: 18531

Ion Ratio Lower Upper

167 100

166 21.4 16.2 24.4

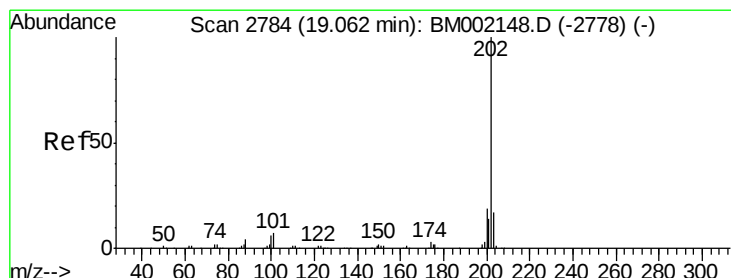
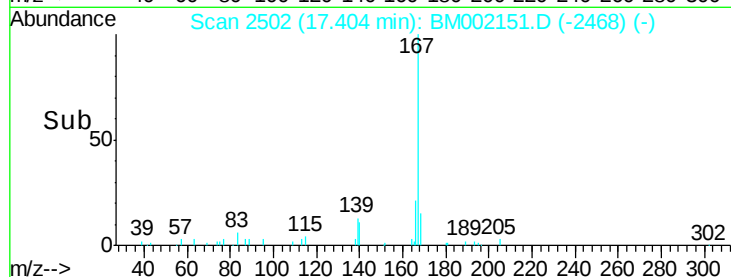
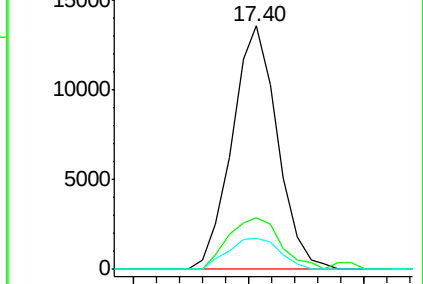
139 12.7 9.6 14.4



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: 53.60 ng/ul

RT: 19.06 min Scan# 2784

Delta R.T. 0.00 min

Lab File: BM002151.D

Acq: 31 Jul 2015 11:59

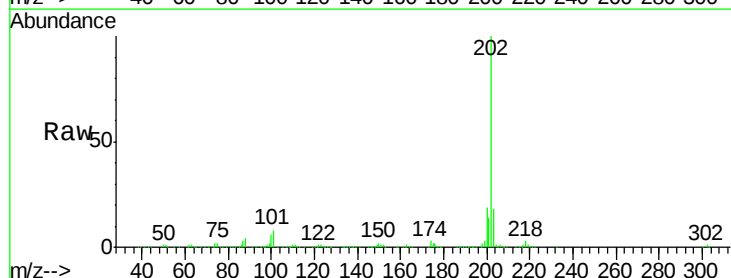
Tgt Ion:202 Resp: 668451

Ion Ratio Lower Upper

202 100

101 7.5 6.2 9.4

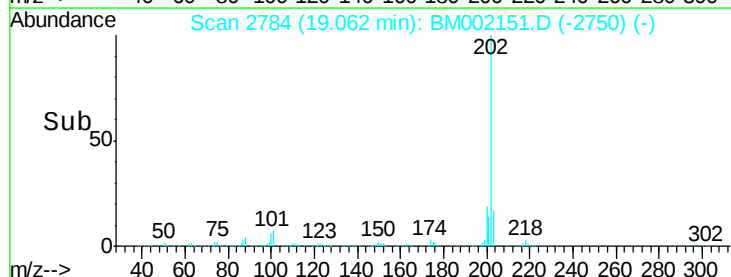
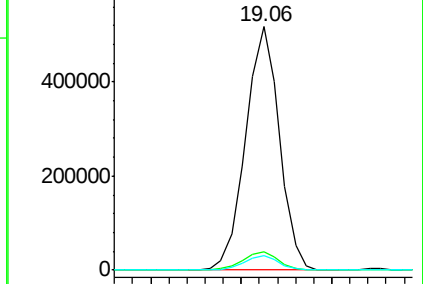
100 6.0 5.2 7.8

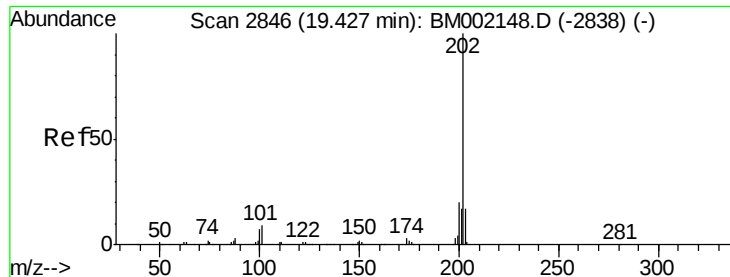


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

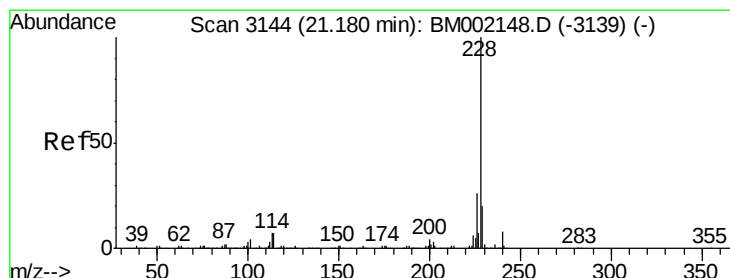
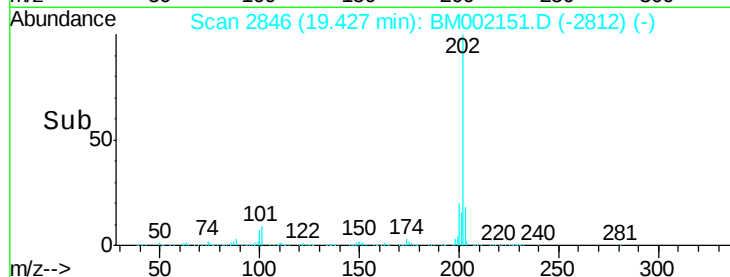
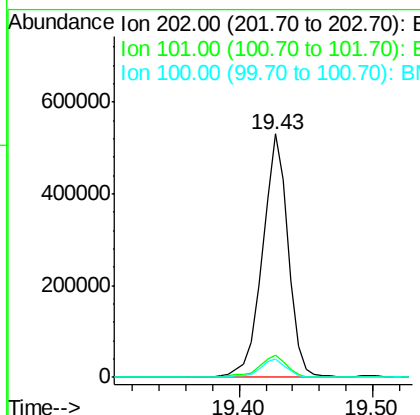
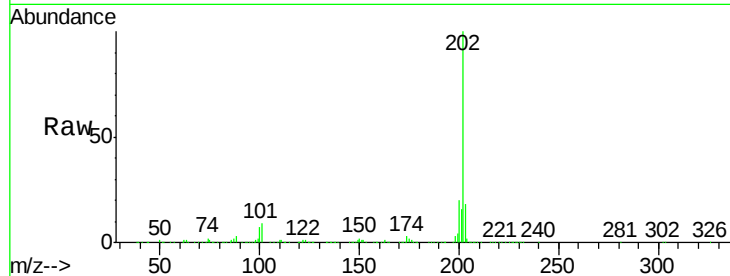




#80
Pvrene
Concen: 52.29 ng/ul
RT: 19.43 min Scan# 2846
Delta R.T. 0.00 min
Lab File: BM002151.D
Acq: 31 Jul 2015 11:59

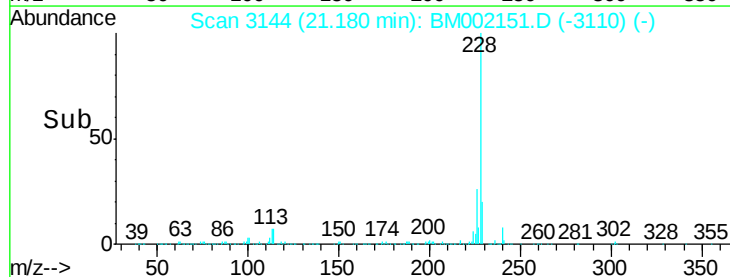
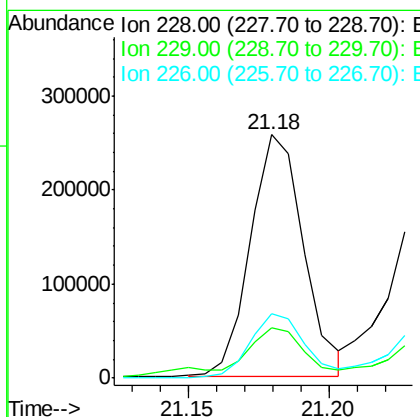
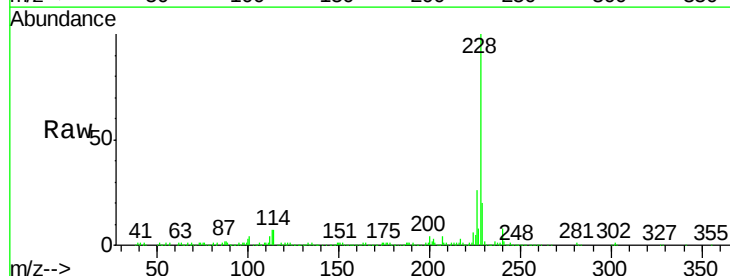
Instrument :
BNA_M
ClientSampleId :
C02F0DL

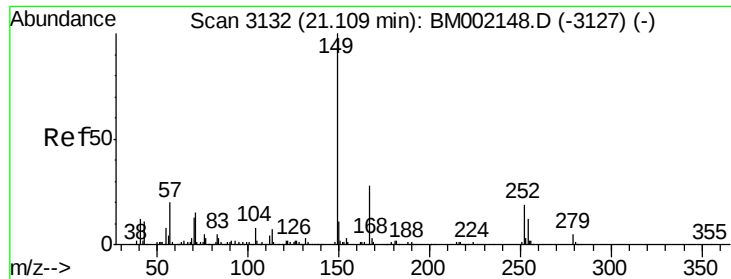
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.1	7.4	11.2
100	7.3	6.3	9.5



#83
Benzo(a)anthracene
Concen: 24.73 ng/ul
RT: 21.18 min Scan# 3144
Delta R.T. 0.00 min
Lab File: BM002151.D
Acq: 31 Jul 2015 11:59

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.4	23.2
226	26.3	20.5	30.7





#84

Bis(2-ethylhexyl)phthalate

Concen: 1.20 ng/ul

RT: 21.11 min Scan# 3132

Delta R.T. 0.00 min

Lab File: BM002151.D

Acq: 31 Jul 2015 11:59

Instrument :

BNA_M

ClientSampleId :

C02F0DL

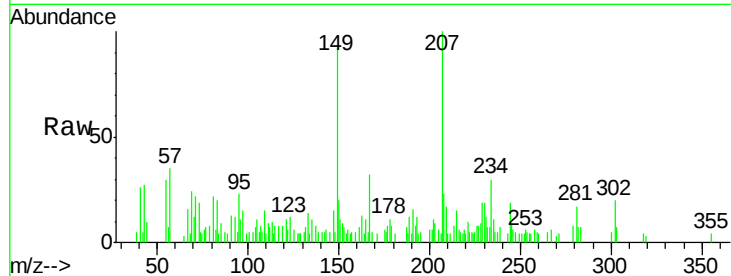
Tot Ion:149 Resp: 9417

Ion Ratio Lower Upper

149 100

167 34.3 23.6 35.4

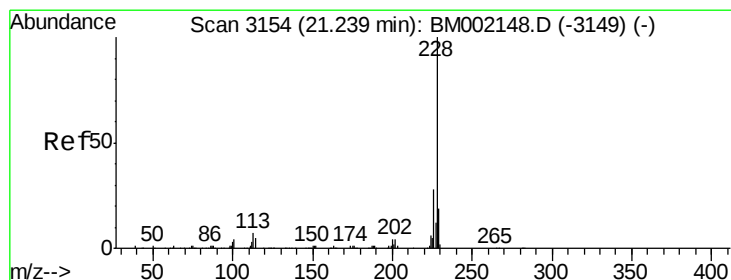
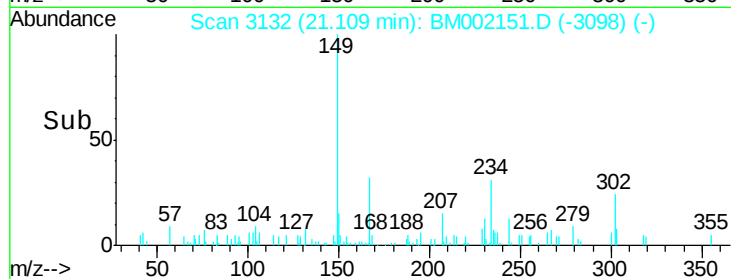
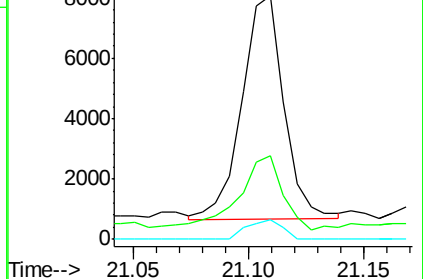
279 8.1 4.2 6.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Chrysene

Concen: 23.43 ng/ul

RT: 21.23 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BM002151.D

Acq: 31 Jul 2015 11:59

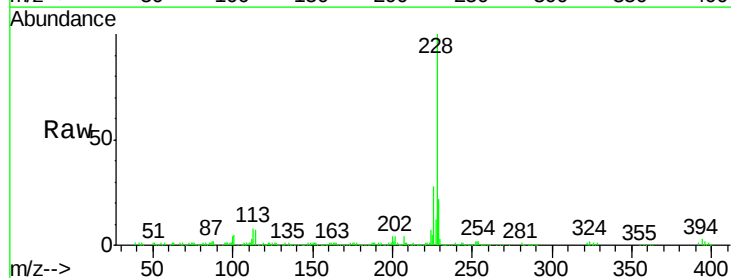
Tgt Ion:228 Resp: 299581

Ion Ratio Lower Upper

228 100

226 28.2 22.3 33.5

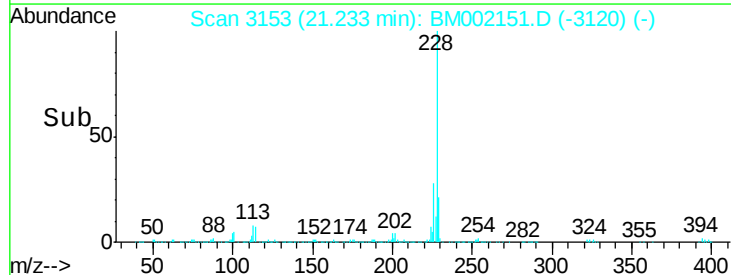
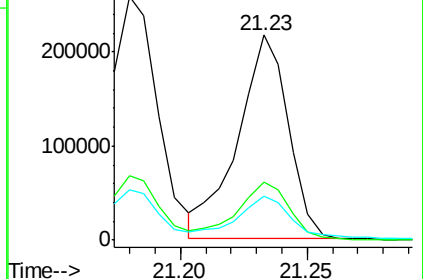
229 21.7 15.5 23.3

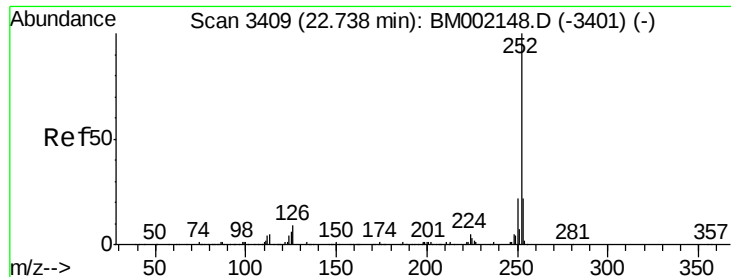


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

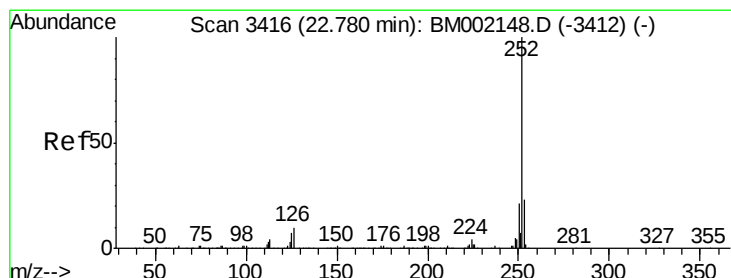
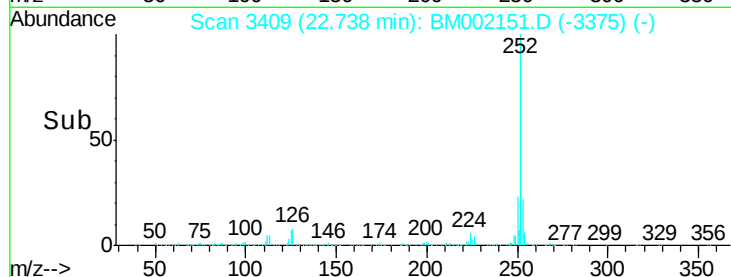
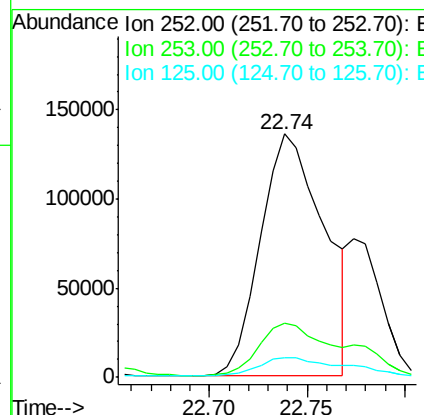
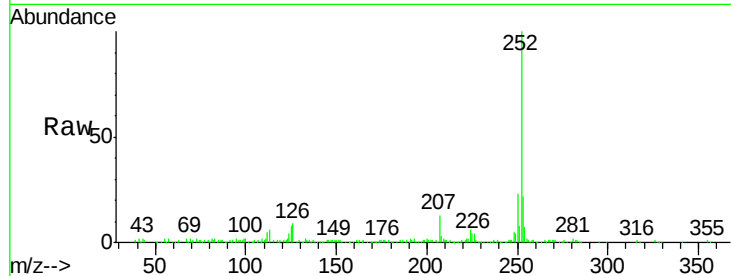




#88
Benzo(b)fluoranthene
Concen: 21.62 ng/ul
RT: 22.74 min Scan# 3409
Delta R.T. 0.00 min
Lab File: BM002151.D
Acq: 31 Jul 2015 11:59

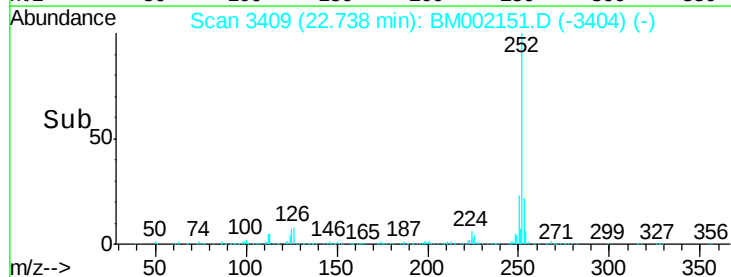
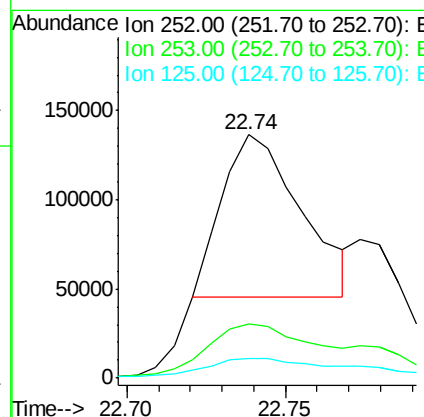
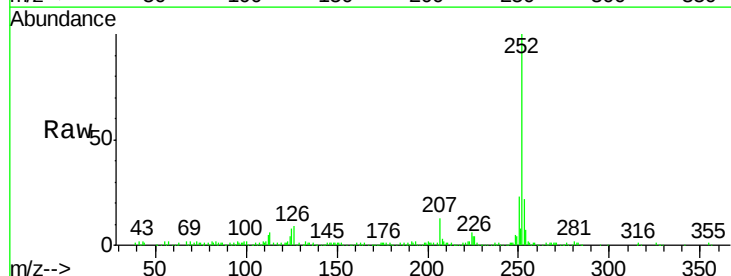
Instrument :
BNA_M
ClientSampleId :
C02F0DL

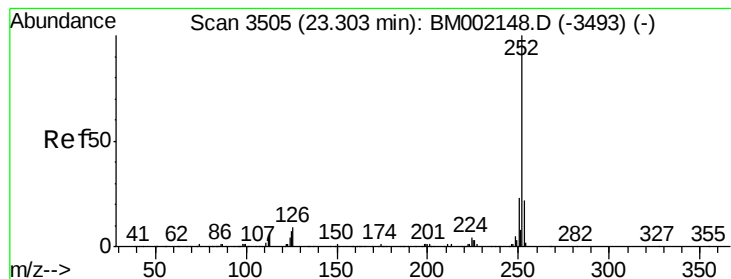
Tot Ion:252 Resp: 306963
Ion Ratio Lower Upper
252 100
253 22.5 16.9 25.3
125 7.8 6.2 9.2



#89
Benzo(k)fluoranthene
Concen: 11.44 ng/ul
RT: 22.74 min Scan# 3409
Delta R.T. -0.04 min
Lab File: BM002151.D
Acq: 31 Jul 2015 11:59

Tgt Ion:252 Resp: 156682
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 7.8 6.2 9.4





#91

Benzo(a)pyrene

Concen: 17.81 ng/ul

RT: 23.30 min Scan# 3504

Delta R.T. -0.01 min

Lab File: BM002151.D

Acq: 31 Jul 2015 11:59

Instrument :

BNA_M

ClientSampleId :

C02F0DL

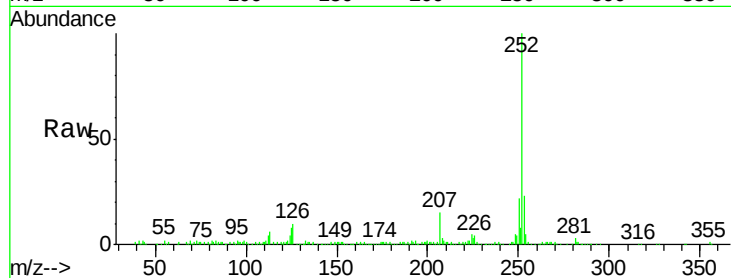
Tot Ion:252 Resp: 244039

Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

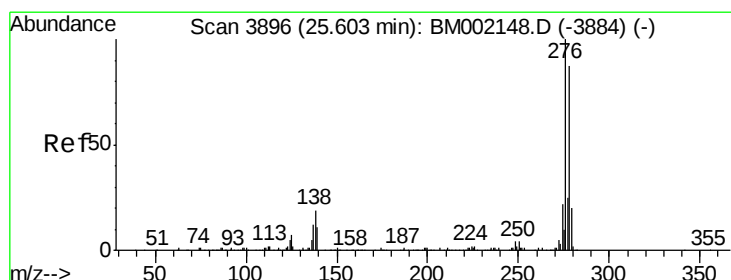
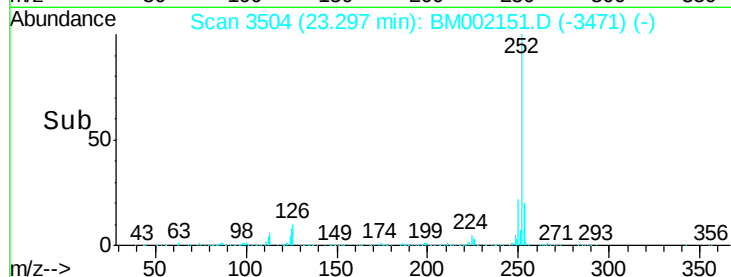
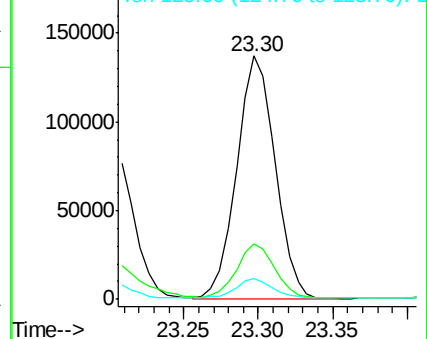
125 8.5 6.6 10.0



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: 8.18 ng/ul

RT: 25.60 min Scan# 3896

Delta R.T. 0.00 min

Lab File: BM002151.D

Acq: 31 Jul 2015 11:59

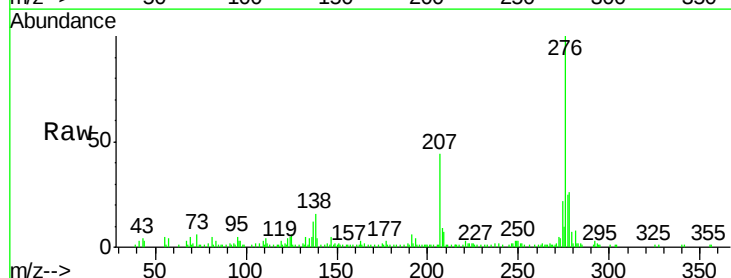
Tgt Ion:276 Resp: 129142

Ion Ratio Lower Upper

276 100

138 16.3 16.2 24.2

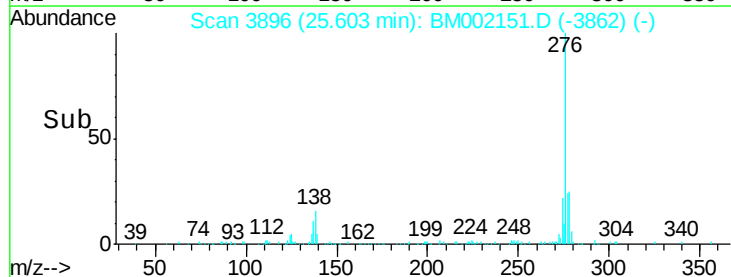
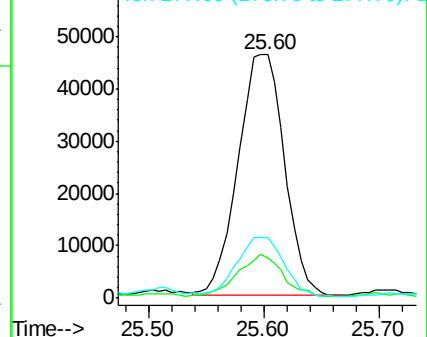
277 24.6 19.8 29.8

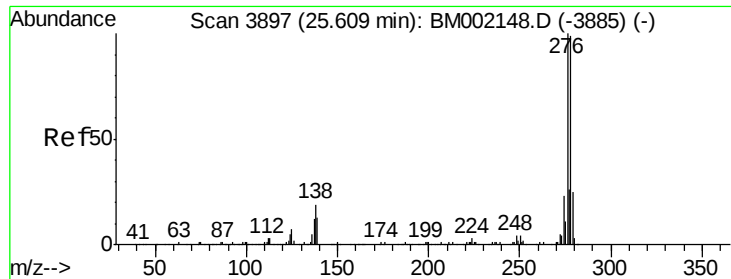


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

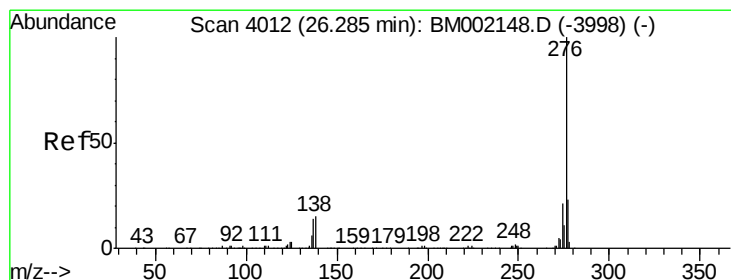
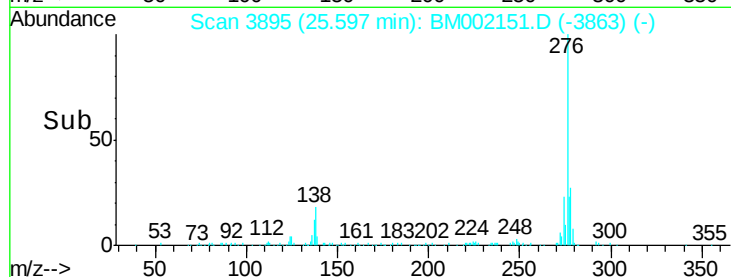
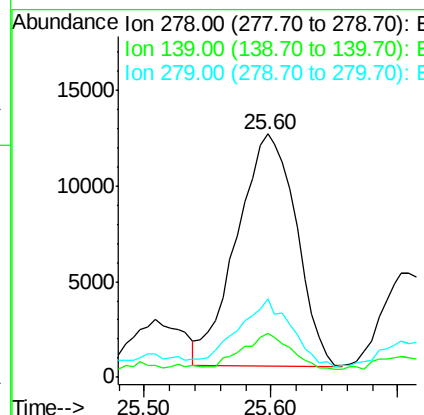
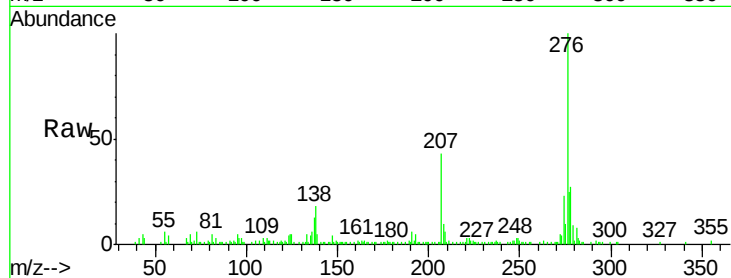




#93
Dibenzo(a,h)anthracene
Concen: 2.93 ng/ul
RT: 25.60 min Scan# 3895
Delta R.T. -0.01 min
Lab File: BM002151.D
Acq: 31 Jul 2015 11:59

Instrument :
BNA_M
ClientSampleId :
C02F0DL

Tot Ion:278 Resp: 39576
Ion Ratio Lower Upper
278 100
139 17.8 10.6 16.0#
279 32.0 18.5 27.7#



#94
Benzo(g,h,i)perylene
Concen: 8.31 ng/ul
RT: 26.28 min Scan# 4011
Delta R.T. -0.01 min
Lab File: BM002151.D
Acq: 31 Jul 2015 11:59

Tgt Ion:276 Resp: 109927
Ion Ratio Lower Upper
276 100
138 15.1 13.8 20.6
277 24.1 18.2 27.2

