

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120915\
 Data File : BM003436.D
 Acq On : 10 Dec 2015 05:18
 Operator : UM/IZ
 Sample : G4681-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 20151203-MGP218-BRV108

Quant Time: Dec 10 07:12:51 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 09 18:52:47 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	84646	20.00	ng	0.00
21) Naphthalene-d8	10.55	136	289780	20.00	ng	0.03
38) Acenaphthene-d10	14.37	164	211392	20.00	ng	0.00
63) Phenanthrene-d10	17.12	188	435970	20.00	ng	0.00
75) Chrysene-d12	21.32	240	389089	20.00	ng	0.00
86) Perylene-d12	23.57	264	356510	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	280254	58.86	ng	0.00
7) Phenol-d6	6.89	99	243912	36.89	ng	0.00
23) Nitrobenzene-d5	8.89	82	531911	113.81	ng	0.00
41) 2,4,6-Tribromophenol	15.87	330	275773	130.63	ng	0.00
44) 2-Fluorobiphenyl	12.99	172	1253744	80.80	ng	0.00
78) Terphenyl-d14	19.76	244	1342836	81.39	ng	0.00

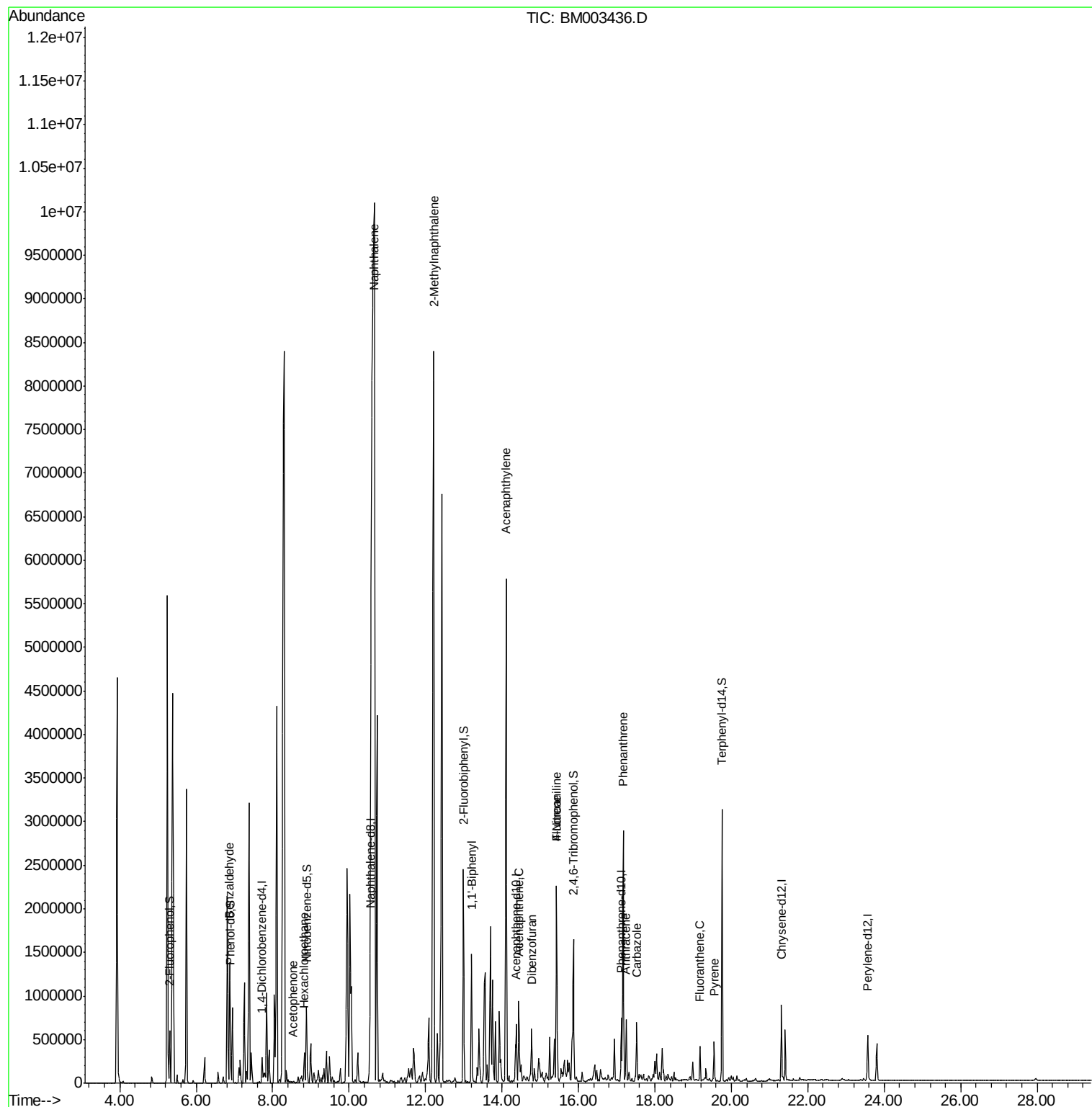
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.88	77	91689	28.28	ng	# 1
18) Hexachloroethane	8.82	117	68714	29.29	ng	# 45
22) Acetophenone	8.53	105	17460	2.46	ng	# 67
31) Naphthalene	10.66	128	27567977	1818.03	ng	# 95
37) 2-Methylnaphthalene	12.22	142	6180890	594.25	ng	# 96
45) 1,1'-Biphenyl	13.20	154	784955	41.87	ng	98
48) Acenaphthylene	14.11	152	4744289	206.66	ng	97
51) Acenaphthene	14.44	154	321143	24.14	ng	99
54) Dibenzofuran	14.77	168	319551	16.63	ng	93
57) Fluorene	15.43	166	1108584	69.60	ng	100
61) 4-Nitroaniline	15.43	138	15649	4.12	ng	# 33
70) Phenanthrene	17.17	178	1805582	73.80	ng	99
71) Anthracene	17.25	178	440464	18.12	ng	99
72) Carbazole	17.53	167	439891	20.77	ng	100
74) Fluoranthene	19.18	202	223987	8.88	ng	97
77) Pyrene	19.54	202	272438	9.98	ng	100

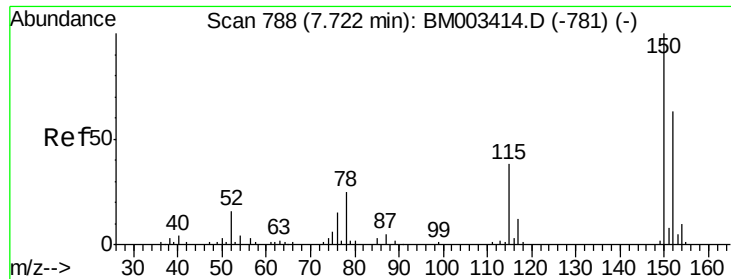
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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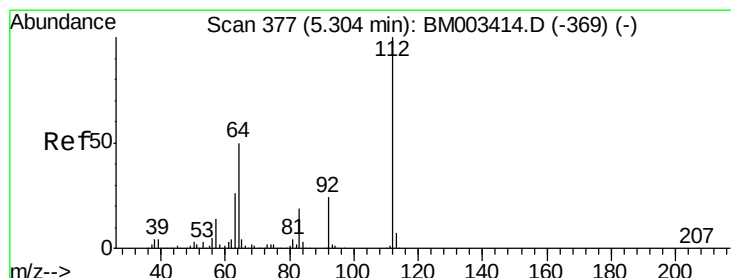
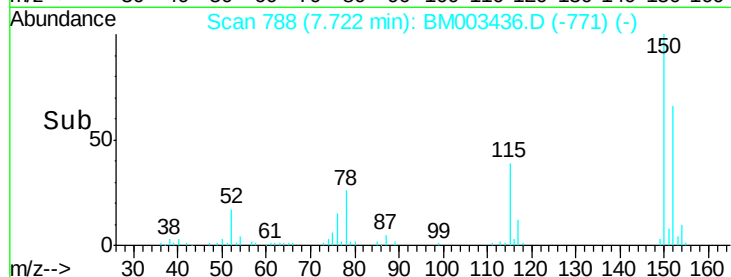
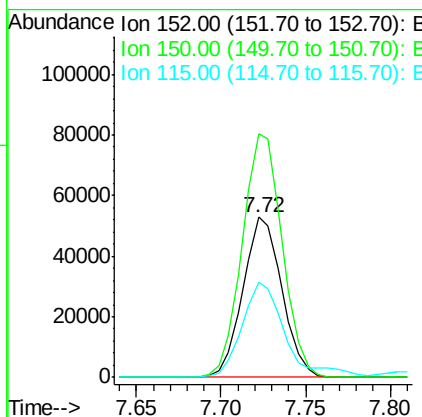
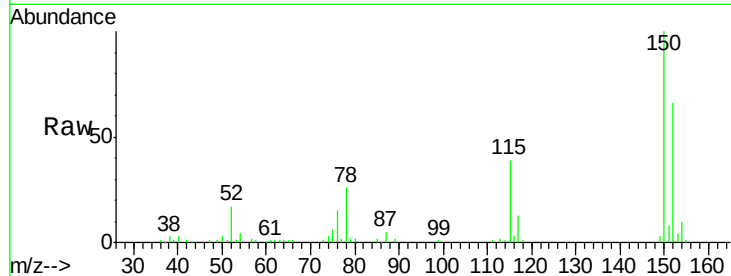




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.72 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: BM003436.D
 Acq: 10 Dec 2015 05:18

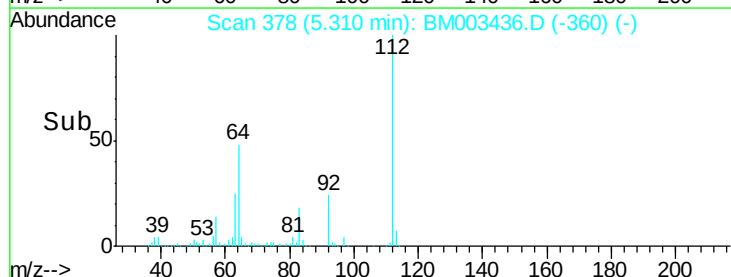
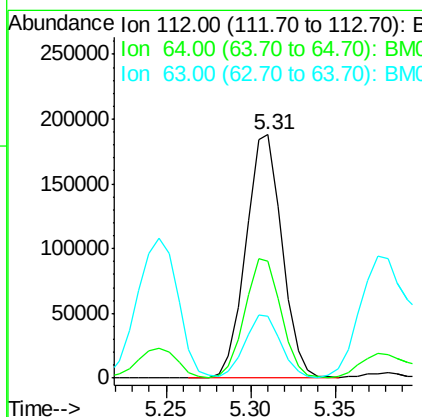
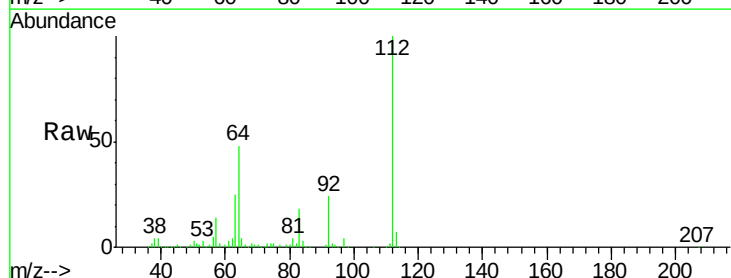
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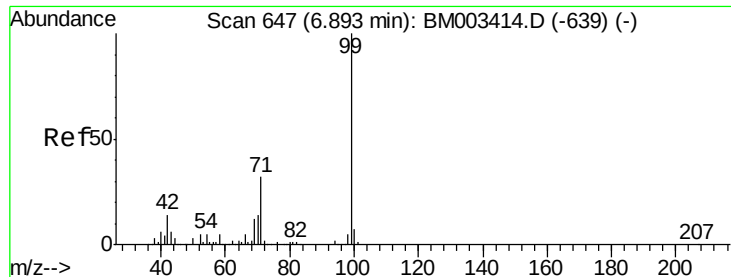
Tgt Ion:152 Resp: 84646
 Ion Ratio Lower Upper
 152 100
 150 152.1 119.5 179.3
 115 59.7 43.0 64.4



#5
 2-Fluorophenol
 Concen: 58.86 ng
 RT: 5.31 min Scan# 378
 Delta R.T. 0.01 min
 Lab File: BM003436.D
 Acq: 10 Dec 2015 05:18

Tgt Ion:112 Resp: 280254
 Ion Ratio Lower Upper
 112 100
 64 48.1 38.6 57.8
 63 25.3 19.3 28.9





#7

Phenol-d6

Concen: 36.89 ng

RT: 6.89 min Scan# 647

Delta R.T. 0.00 min

Lab File: BM003436.D

Acq: 10 Dec 2015 05:18

Instrument :

BNA_M

ClientSampleId :

20151203-MGP218-BRV108

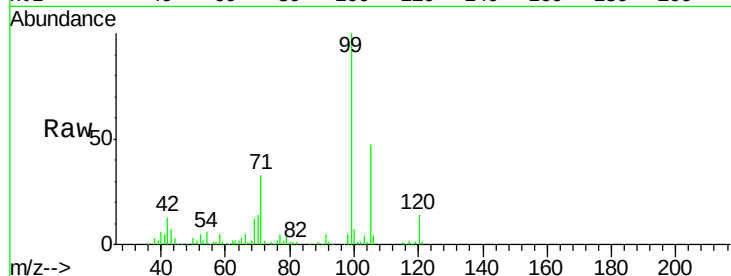
Tgt Ion: 99 Resp: 243912

Ion Ratio Lower Upper

99 100

42 13.3 11.0 16.4

71 32.7 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BM003414.D (-639) (-)

Ion 42.00 (41.70 to 42.70): BM003414.D (-639) (-)

Ion 71.00 (70.70 to 71.70): BM003414.D (-639) (-)

6.89

150000

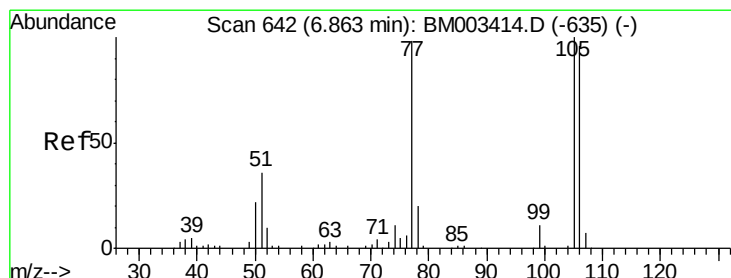
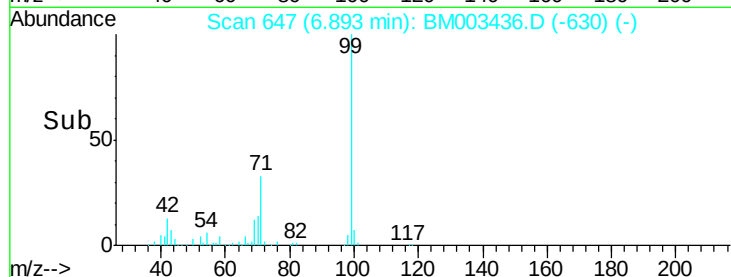
100000

50000

0

6.80 6.85 6.90 6.95 7.00

Time-->



#9

Benzaldehyde

Concen: 28.28 ng

RT: 6.88 min Scan# 644

Delta R.T. 0.01 min

Lab File: BM003436.D

Acq: 10 Dec 2015 05:18

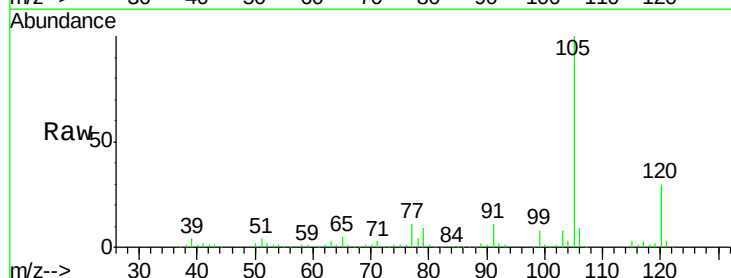
Tgt Ion: 77 Resp: 91689

Ion Ratio Lower Upper

77 100

105 871.4 78.8 118.8#

106 76.7 73.7 113.7



Abundance Ion 77.00 (76.70 to 77.70): BM003414.D (-635) (-)

Ion 105.00 (104.70 to 105.70): BM003414.D (-635) (-)

Ion 106.00 (105.70 to 106.70): BM003414.D (-635) (-)

6.88

1200000

1000000

800000

600000

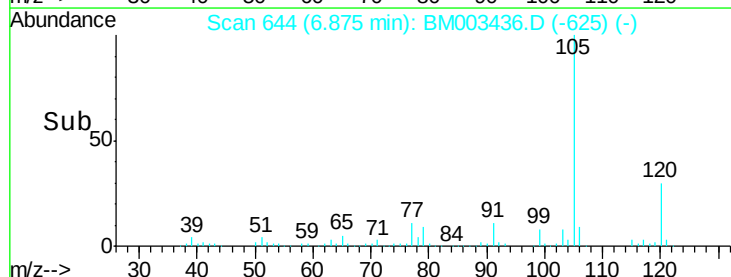
400000

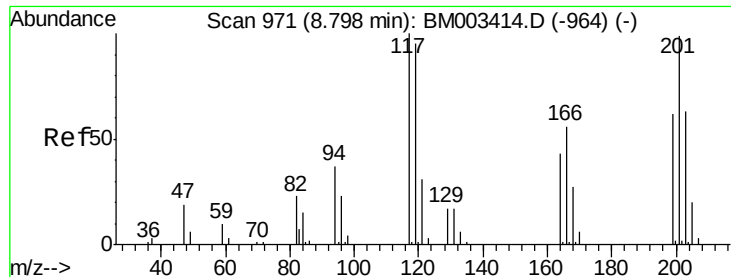
200000

0

6.85 6.90

Time-->





#18

Hexachloroethane

Concen: 29.29 ng

RT: 8.82 min Scan# 975

Delta R.T. 0.02 min

Lab File: BM003436.D

Acq: 10 Dec 2015 05:18

Instrument :

BNA_M

ClientSampleId :

20151203-MGP218-BRV108

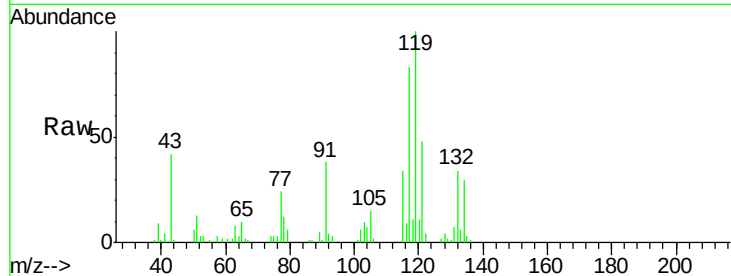
Tgt Ion:117 Resp: 68714

Ion Ratio Lower Upper

117 100

119 119.8 79.2 118.8#

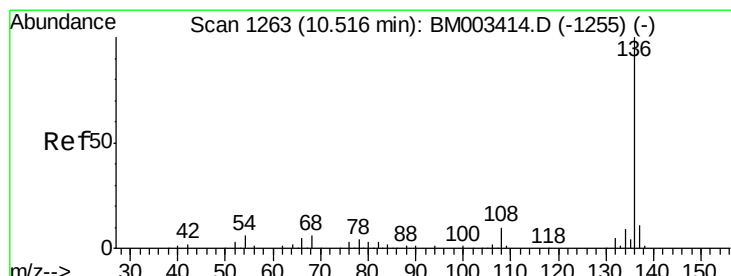
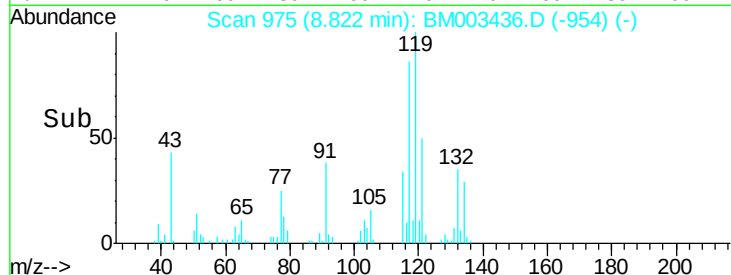
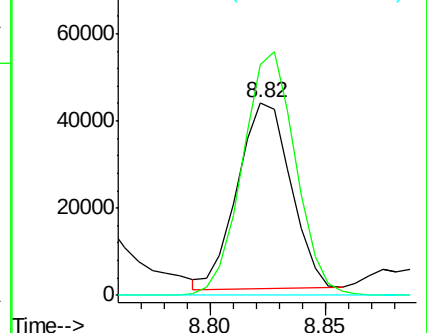
201 0.0 69.8 104.6#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.55 min Scan# 1268

Delta R.T. 0.03 min

Lab File: BM003436.D

Acq: 10 Dec 2015 05:18

Tgt Ion:136 Resp: 289780

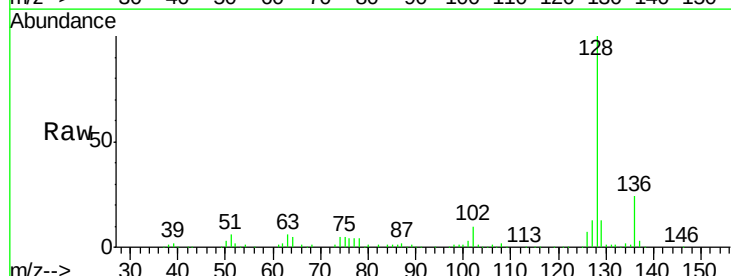
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 6.1 4.6 6.8

68 5.6 3.7 5.5#

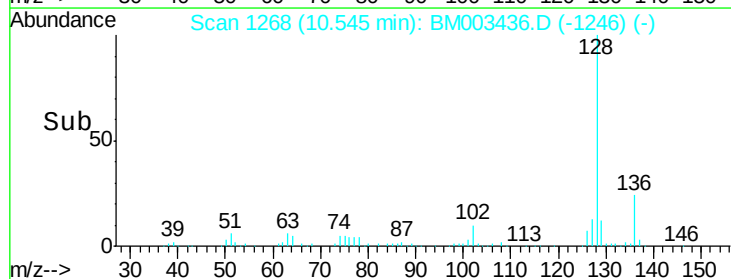
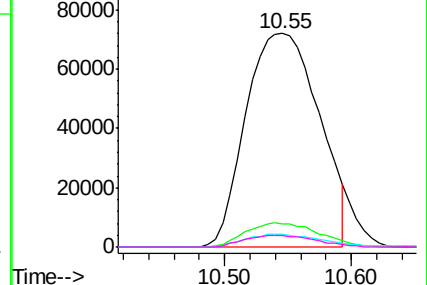


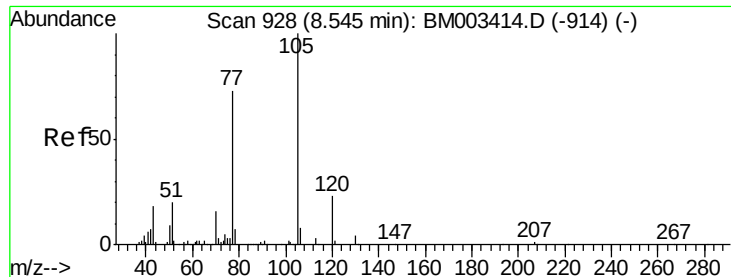
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM0

Ion 68.00 (67.70 to 68.70): BM0

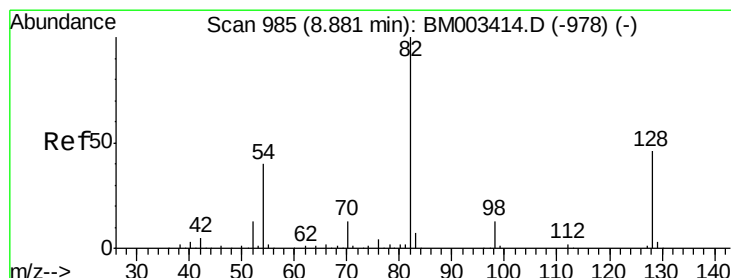
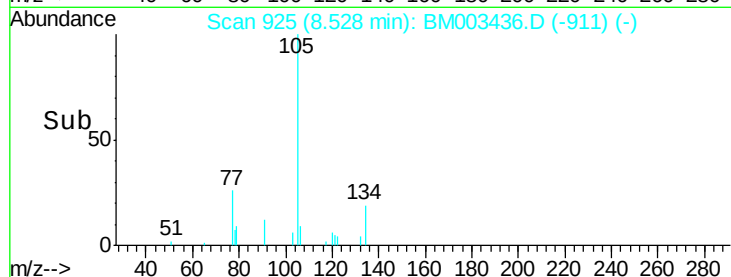
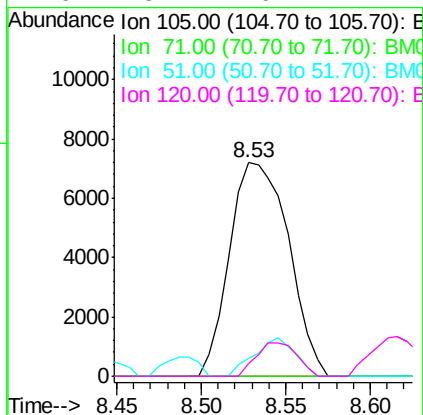
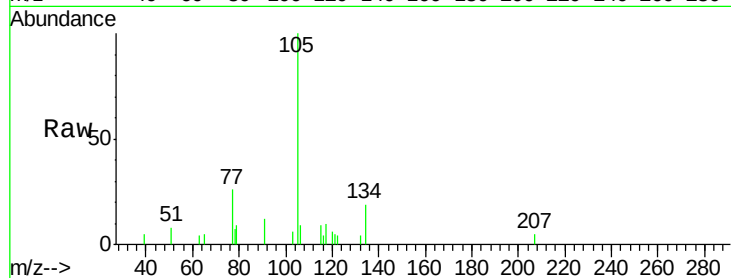




#22
Acetophenone
Concen: 2.46 ng
RT: 8.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BM003436.D
Acq: 10 Dec 2015 05:18

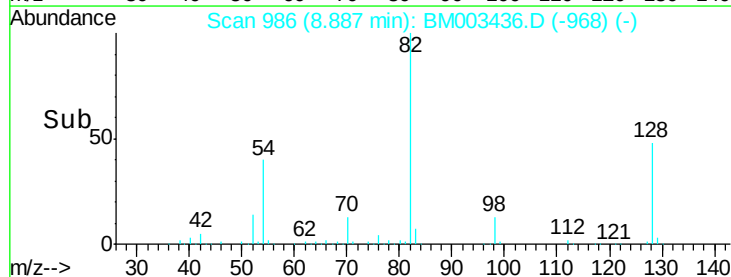
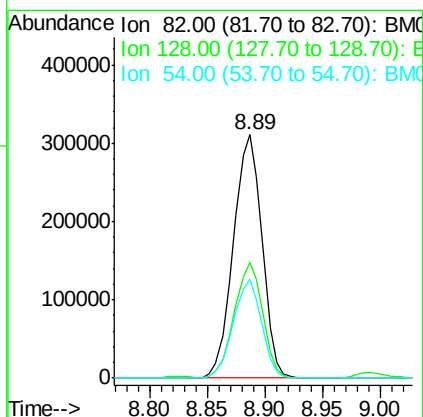
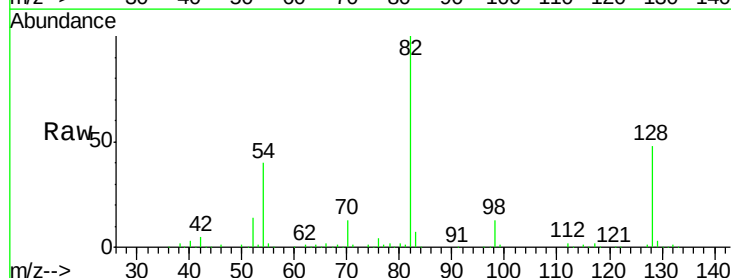
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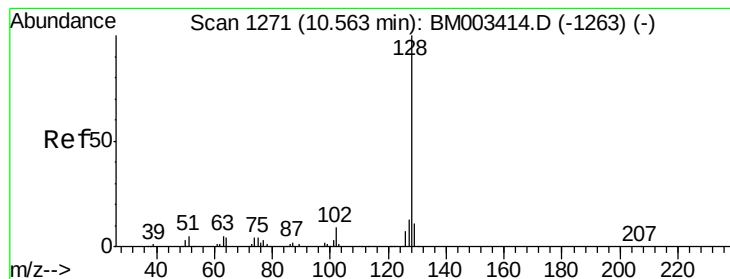
Tgt Ion: 105 Resp: 17460
Ion Ratio Lower Upper
105 100
71 0.0 0.6 1.0#
51 8.4 21.6 32.4#
120 5.7 16.1 24.1#



#23
Nitrobenzene-d5
Concen: 113.81 ng
RT: 8.89 min Scan# 986
Delta R.T. 0.01 min
Lab File: BM003436.D
Acq: 10 Dec 2015 05:18

Tgt Ion: 82 Resp: 531911
Ion Ratio Lower Upper
82 100
128 47.7 32.8 49.2
54 40.4 40.6 60.8#





#31

Naphthalene

Concen: 1818.03 ng

RT: 10.66 min Scan# 1288

Delta R.T. 0.10 min

Lab File: BM003436.D

Acq: 10 Dec 2015 05:18

Instrument :

BNA_M

ClientSampleId :

20151203-MGP218-BRV108

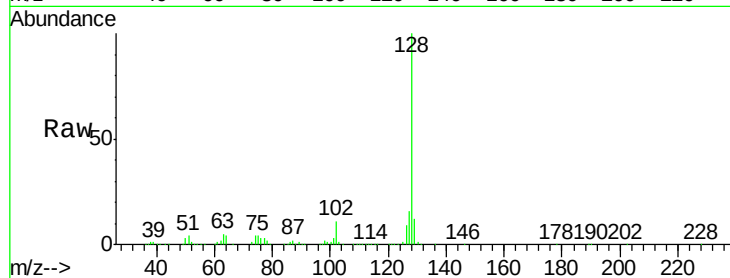
Tgt Ion:128 Resp:27567977

Ion Ratio Lower Upper

128 100

129 12.1 8.9 13.3

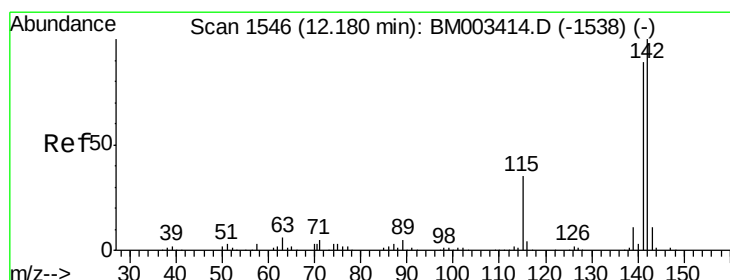
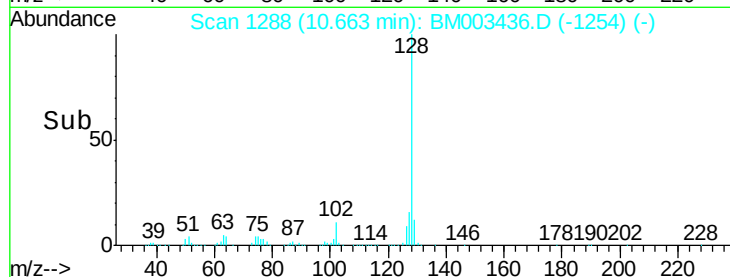
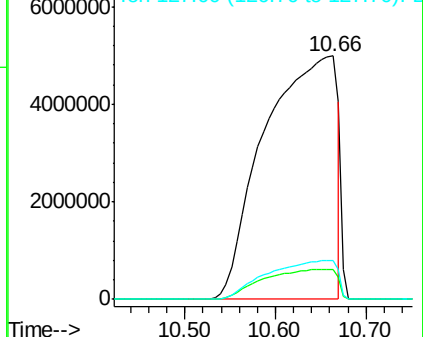
127 16.1 10.4 15.6#



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



#37

2-Methylnaphthalene

Concen: 594.25 ng

RT: 12.22 min Scan# 1552

Delta R.T. 0.04 min

Lab File: BM003436.D

Acq: 10 Dec 2015 05:18

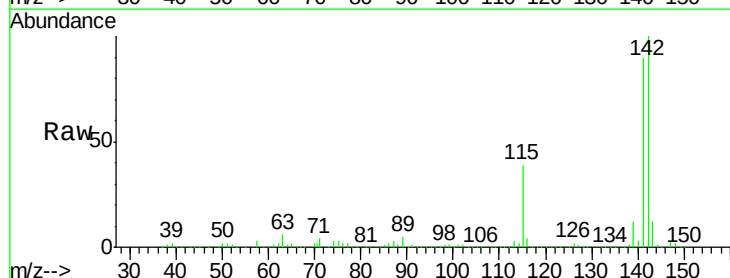
Tgt Ion:142 Resp: 6180890

Ion Ratio Lower Upper

142 100

141 90.0 71.9 107.9

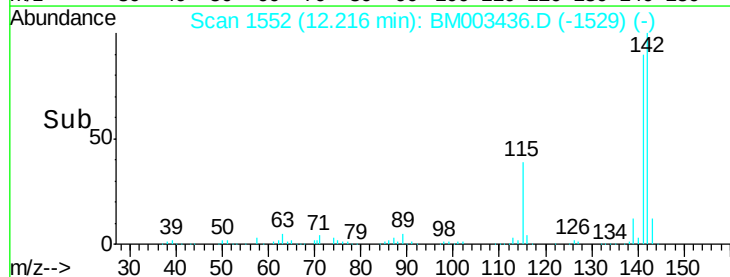
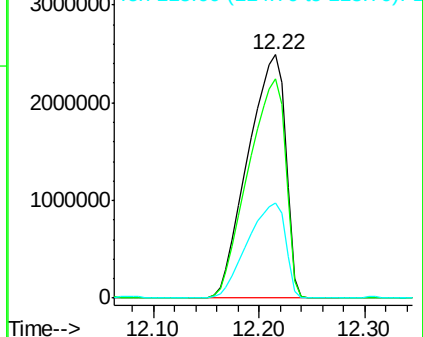
115 39.1 25.4 38.0#

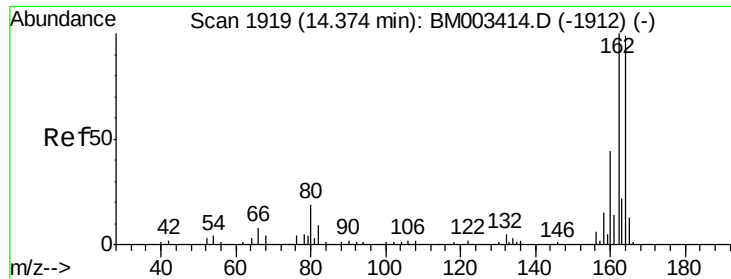


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

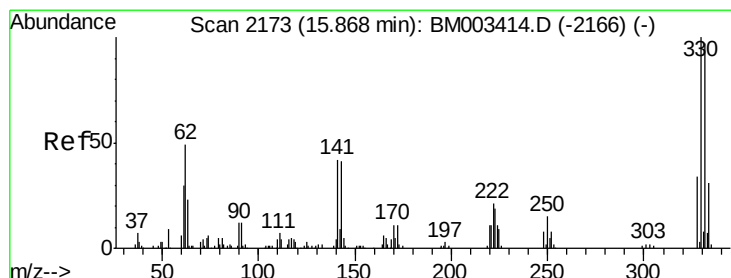
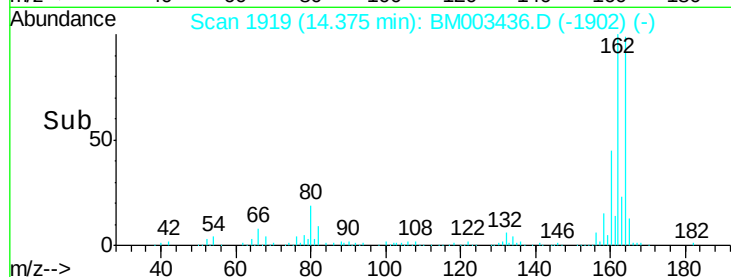
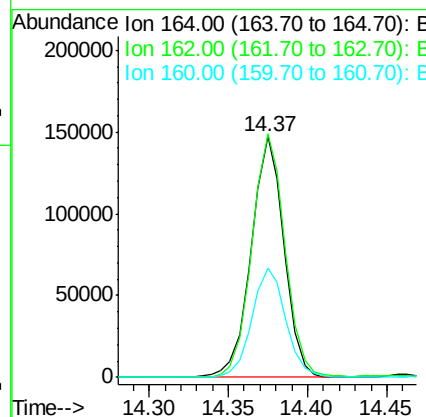
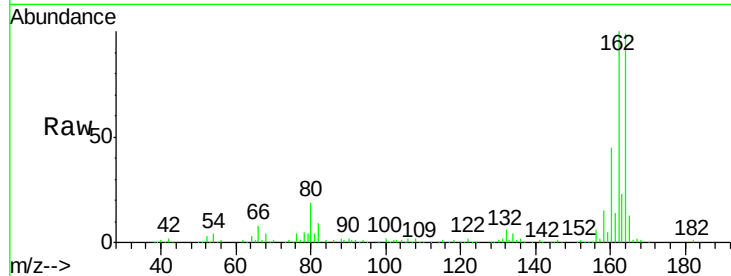




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.37 min Scan# 1919
Delta R.T. 0.00 min
Lab File: BM003436.D
Acq: 10 Dec 2015 05:18

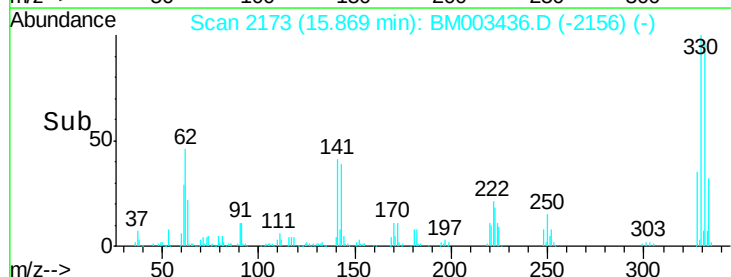
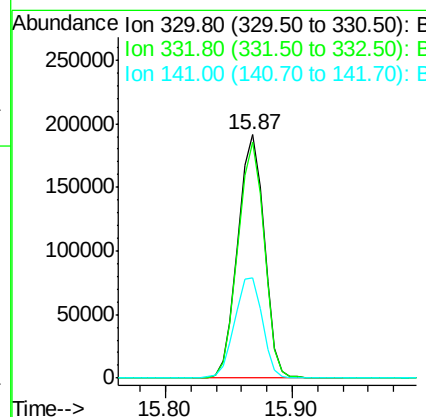
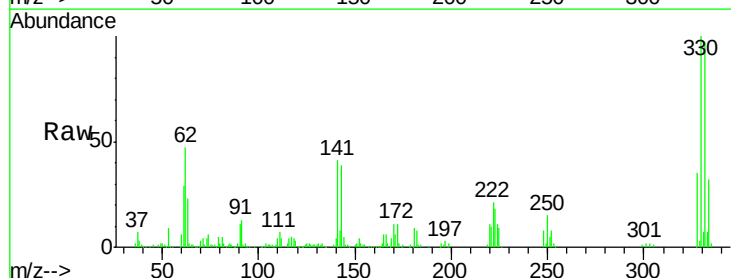
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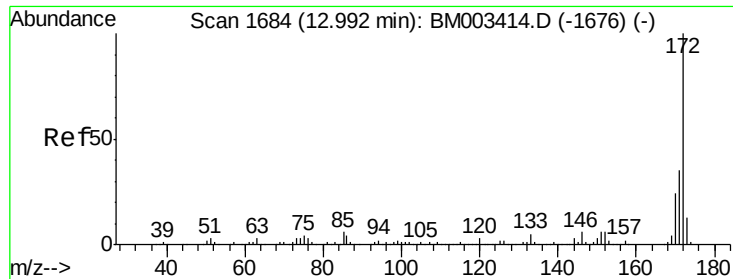
Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.3	82.4	123.6
160	45.6	35.8	53.6



#41
2,4,6-Tribromophenol
Concen: 130.63 ng
RT: 15.87 min Scan# 2173
Delta R.T. 0.00 min
Lab File: BM003436.D
Acq: 10 Dec 2015 05:18

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	0.0	0.0#
141	42.6	0.0	0.0#

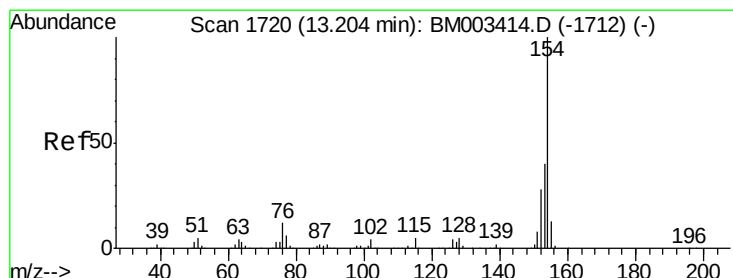
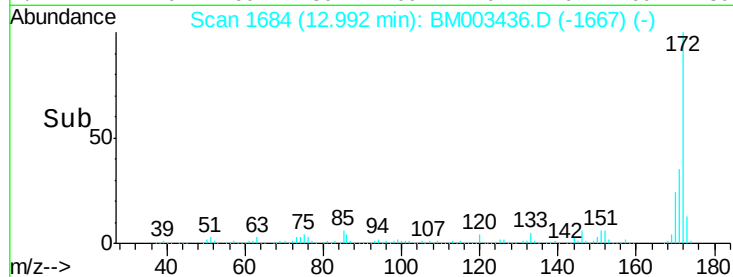
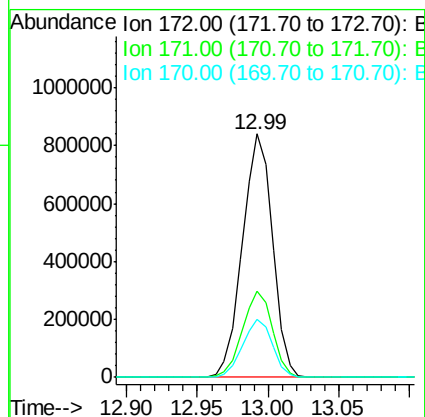
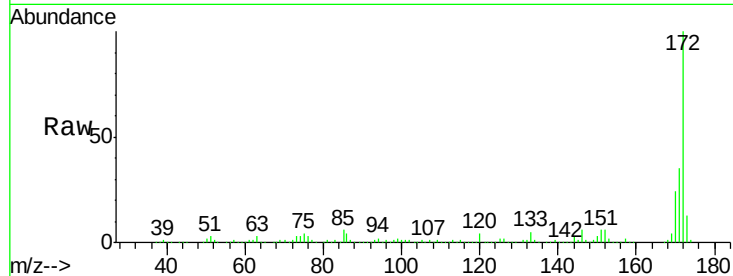




#44
 2-Fluorobiphenyl
 Concen: 80.80 ng
 RT: 12.99 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: BM003436.D
 Acq: 10 Dec 2015 05:18

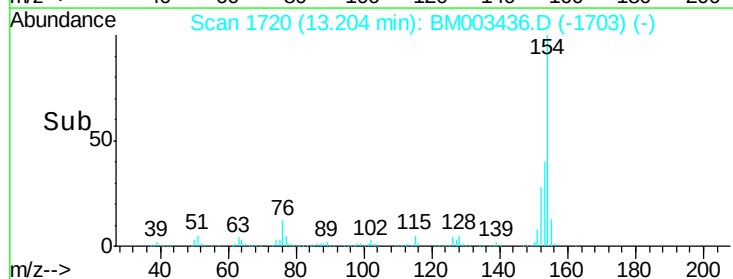
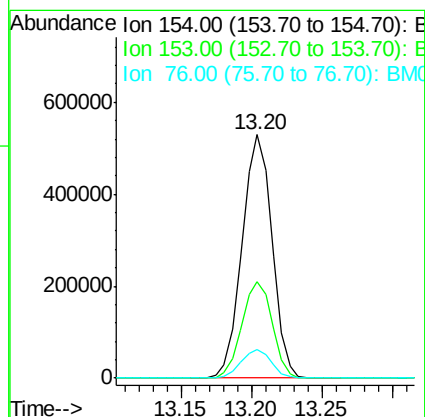
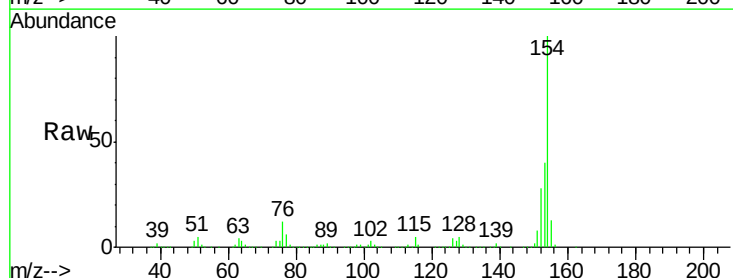
Instrument :
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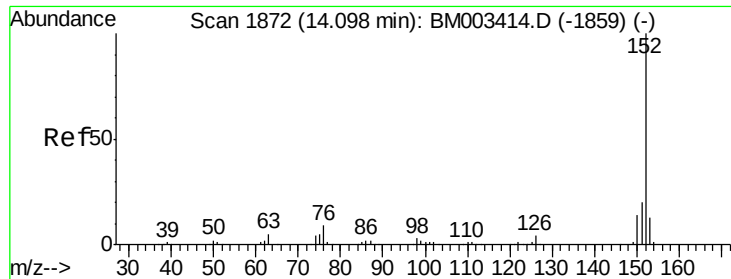
Tgt Ion:172 Resp: 1253744
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.5 42.7
 170 23.7 18.8 28.2



#45
 1,1'-Biphenyl
 Concen: 41.87 ng
 RT: 13.20 min Scan# 1720
 Delta R.T. 0.00 min
 Lab File: BM003436.D
 Acq: 10 Dec 2015 05:18

Tgt Ion:154 Resp: 784955
 Ion Ratio Lower Upper
 154 100
 153 39.6 20.7 60.7
 76 11.9 0.0 30.9





#48

Acenaphthylene

Concen: 206.66 ng

RT: 14.11 min Scan# 1874

Delta R.T. 0.01 min

Lab File: BM003436.D

Acq: 10 Dec 2015 05:18

Instrument :

BNA_M

ClientSampleId :

20151203-MGP218-BRV108

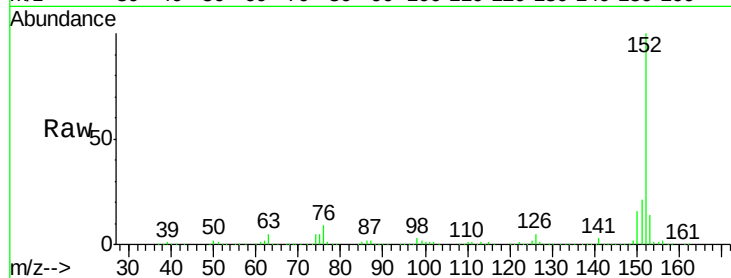
Tgt Ion:152 Resp: 4744289

Ion Ratio Lower Upper

152 100

151 21.4 15.9 23.9

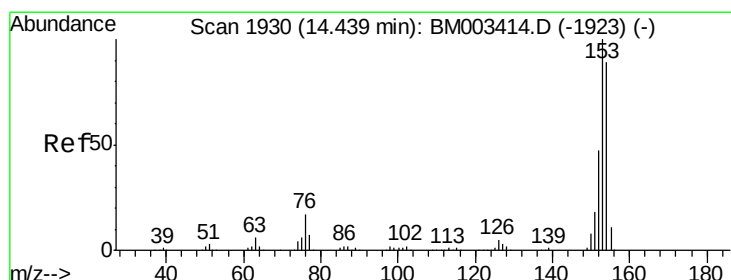
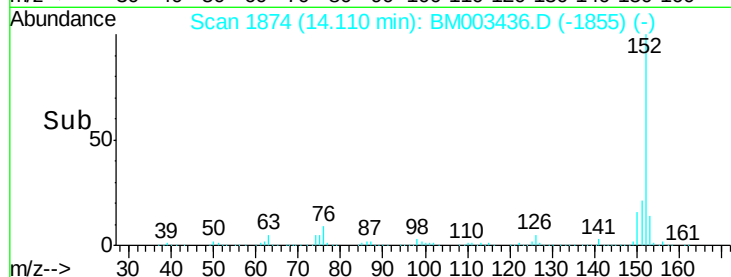
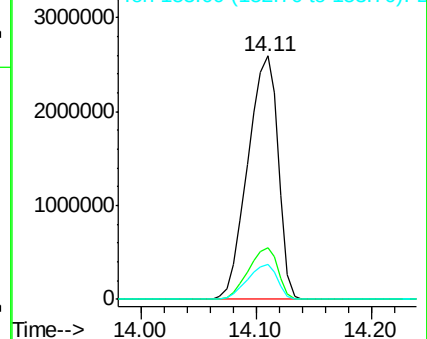
153 14.1 10.6 16.0



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



#51

Acenaphthene

Concen: 24.14 ng

RT: 14.44 min Scan# 1930

Delta R.T. 0.00 min

Lab File: BM003436.D

Acq: 10 Dec 2015 05:18

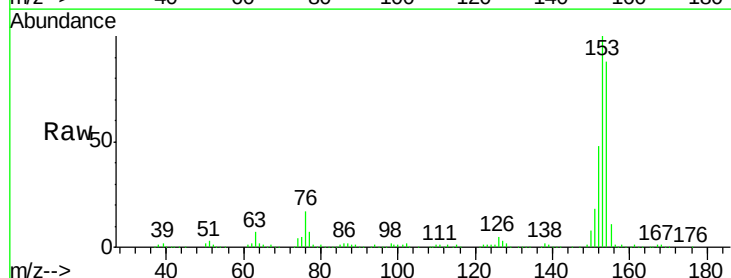
Tgt Ion:154 Resp: 321143

Ion Ratio Lower Upper

154 100

153 113.0 90.0 135.0

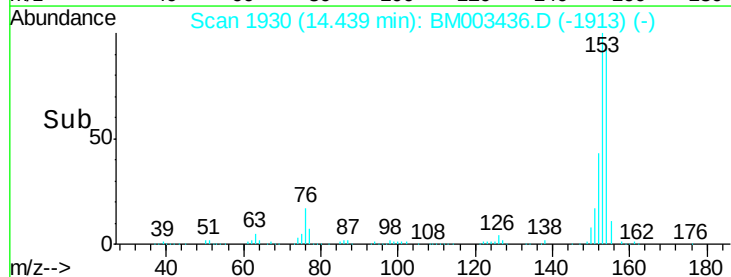
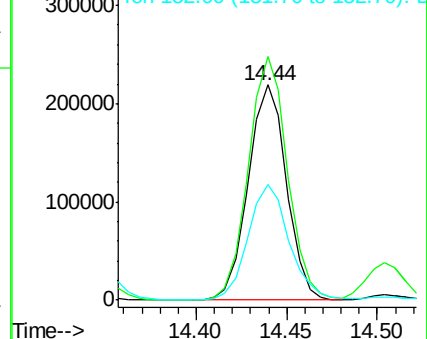
152 53.8 42.6 63.8

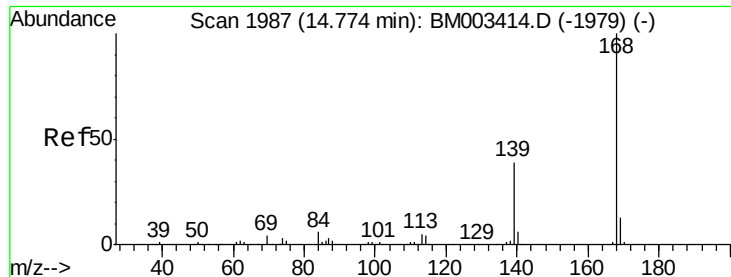


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 16.63 ng

RT: 14.77 min Scan# 1987

Delta R.T. 0.00 min

Lab File: BM003436.D

Acq: 10 Dec 2015 05:18

Instrument :

BNA_M

ClientSampleId :

20151203-MGP218-BRV108

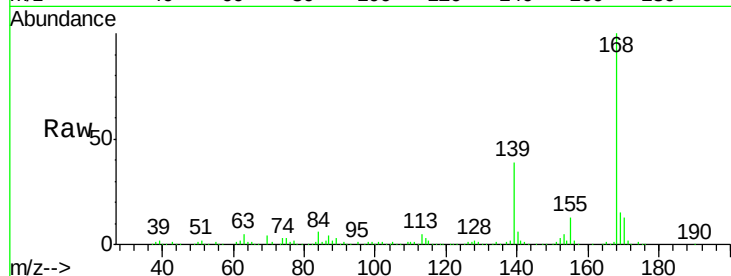
Tgt Ion:168 Resp: 319551

Ion Ratio Lower Upper

168 100

139 38.5 27.3 40.9

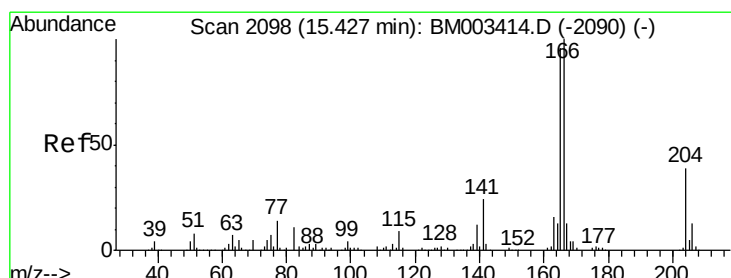
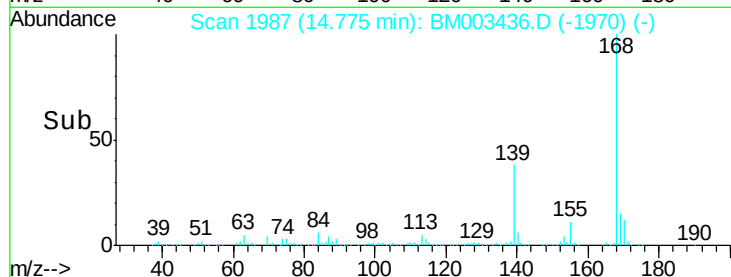
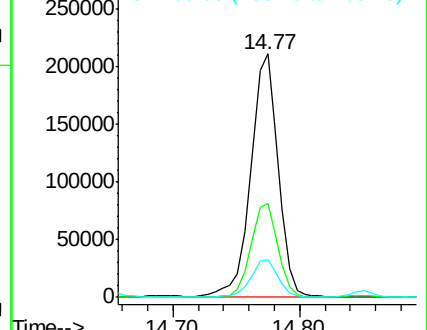
169 15.3 10.6 16.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 69.60 ng

RT: 15.43 min Scan# 2098

Delta R.T. 0.00 min

Lab File: BM003436.D

Acq: 10 Dec 2015 05:18

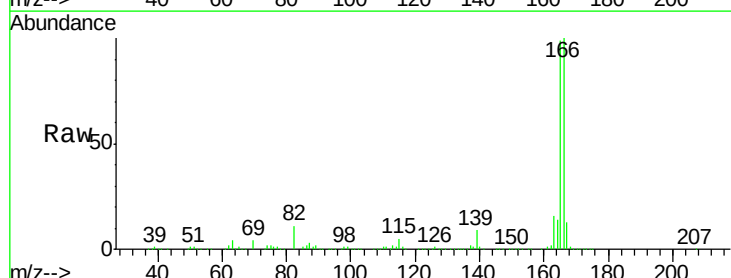
Tgt Ion:166 Resp: 1108584

Ion Ratio Lower Upper

166 100

165 98.8 79.0 118.4

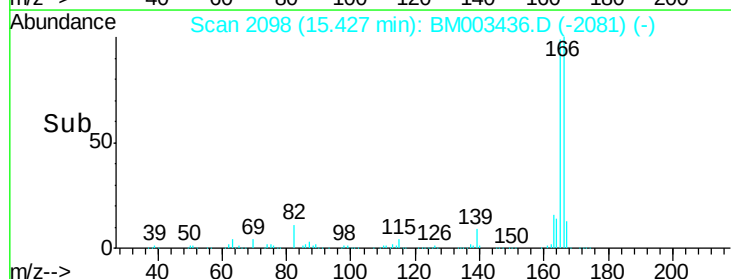
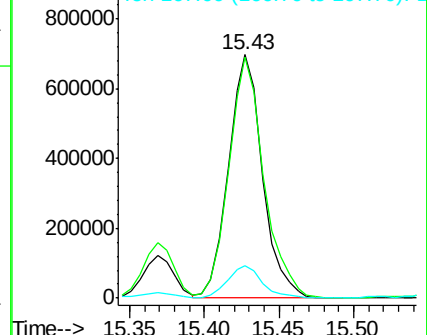
167 13.3 10.3 15.5

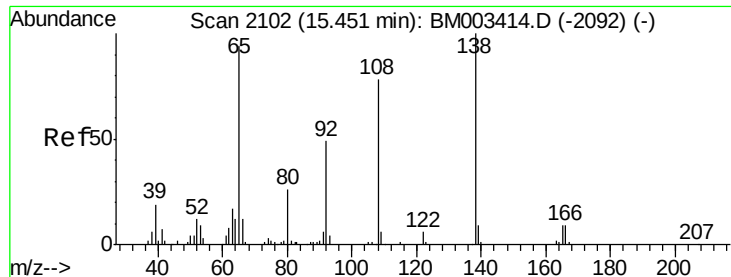


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

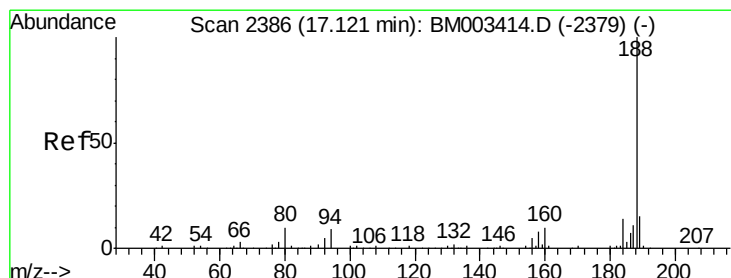
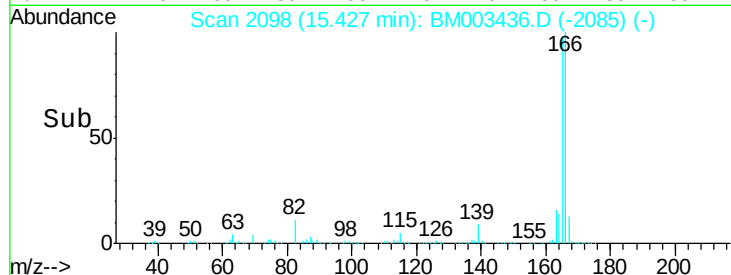
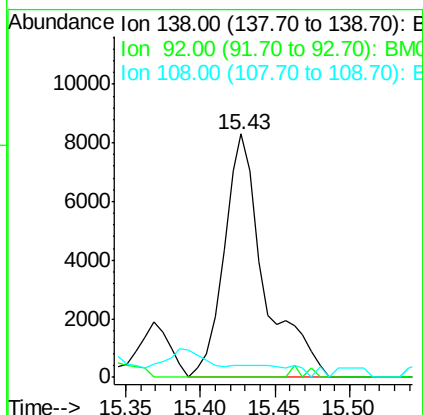
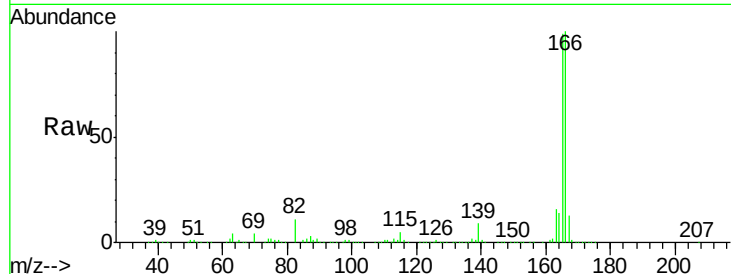




#61
4-Nitroaniline
Concen: 4.12 ng
RT: 15.43 min Scan# 2098
Delta R.T. -0.02 min
Lab File: BM003436.D
Acq: 10 Dec 2015 05:18

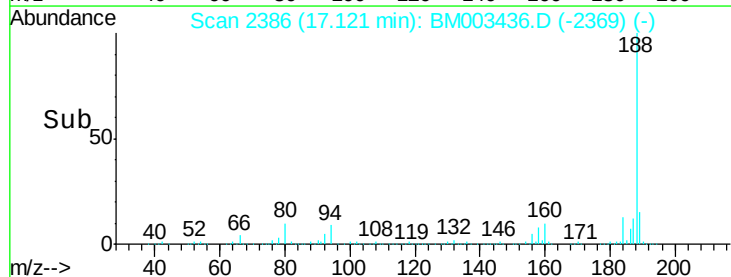
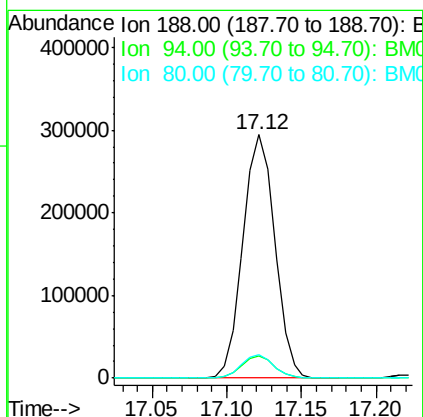
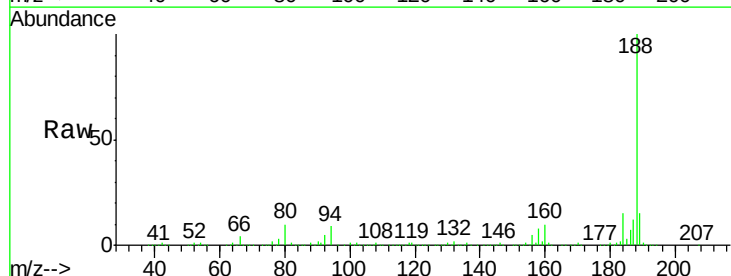
Instrument :
BNA_M
ClientSampleId :
20151203-MGP218-BRV108

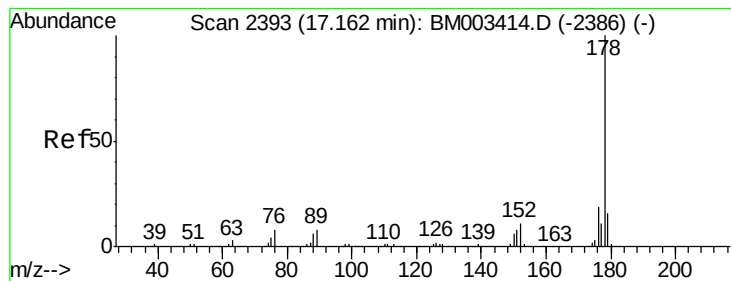
Tgt Ion:138 Resp: 15649
Ion Ratio Lower Upper
138 100
92 0.0 16.7 56.7#
108 5.1 37.6 77.6#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.12 min Scan# 2386
Delta R.T. 0.00 min
Lab File: BM003436.D
Acq: 10 Dec 2015 05:18

Tgt Ion:188 Resp: 435970
Ion Ratio Lower Upper
188 100
94 9.0 8.7 13.1
80 9.7 9.3 13.9





#70

Phenanthrene

Concen: 73.80 ng

RT: 17.17 min Scan# 2394

Delta R.T. 0.01 min

Lab File: BM003436.D

Acq: 10 Dec 2015 05:18

Instrument :

BNA_M

ClientSampleId :

20151203-MGP218-BRV108

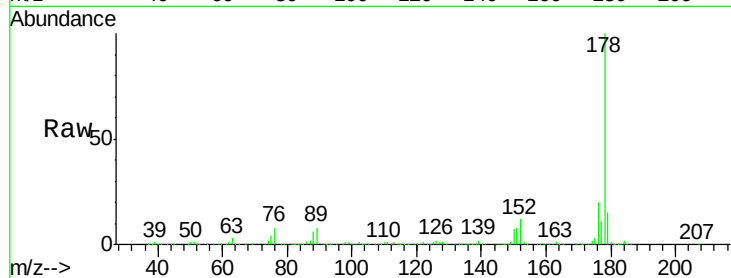
Tgt Ion:178 Resp: 1805582

Ion Ratio Lower Upper

178 100

176 19.6 15.2 22.8

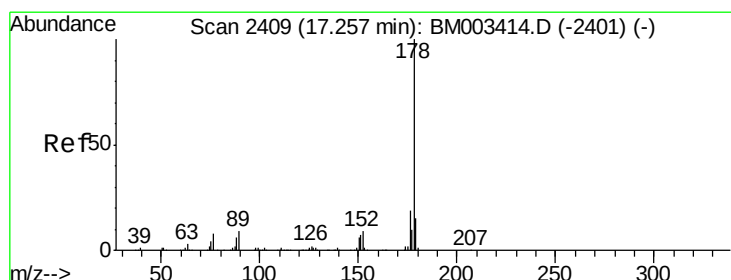
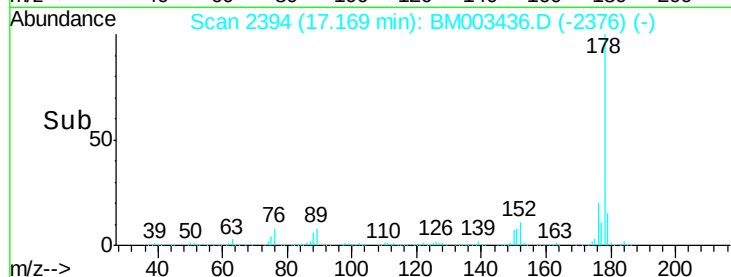
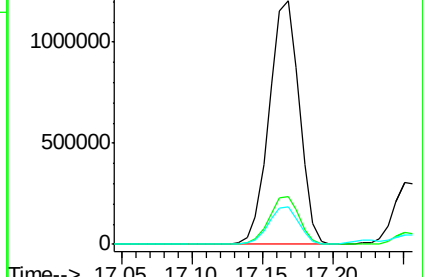
179 15.3 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 18.12 ng

RT: 17.25 min Scan# 2408

Delta R.T. -0.01 min

Lab File: BM003436.D

Acq: 10 Dec 2015 05:18

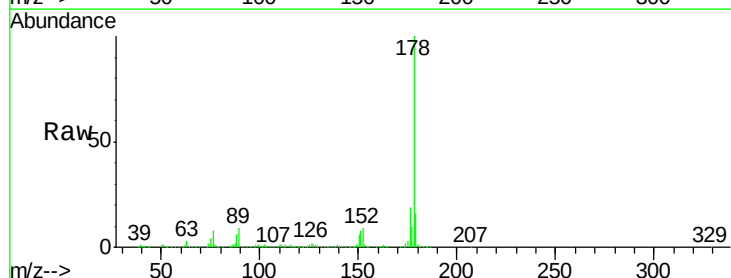
Tgt Ion:178 Resp: 440464

Ion Ratio Lower Upper

178 100

176 18.8 14.6 22.0

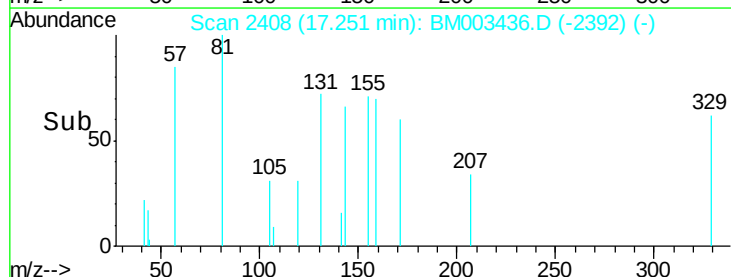
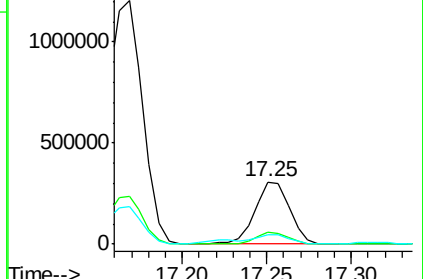
179 15.9 12.6 19.0

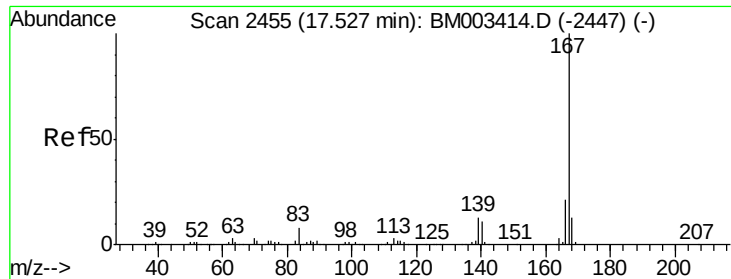


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 20.77 ng

RT: 17.53 min Scan# 2455

Delta R.T. 0.00 min

Lab File: BM003436.D

Acq: 10 Dec 2015 05:18

Instrument :

BNA_M

ClientSampleId :

20151203-MGP218-BRV108

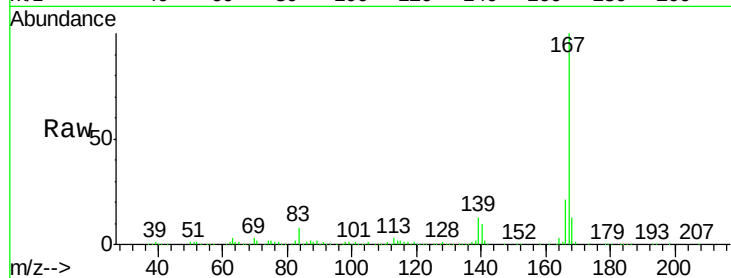
Tgt Ion:167 Resp: 439891

Ion Ratio Lower Upper

167 100

166 21.3 17.2 25.8

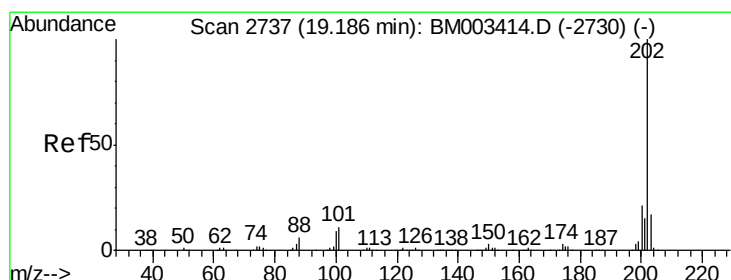
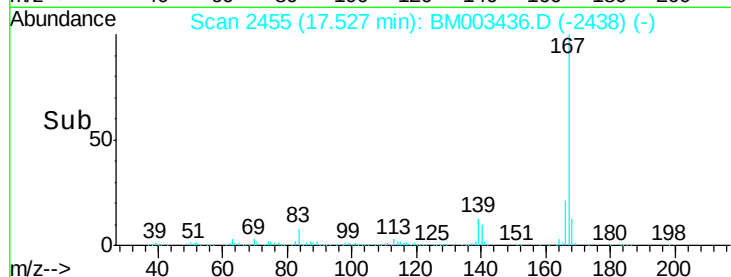
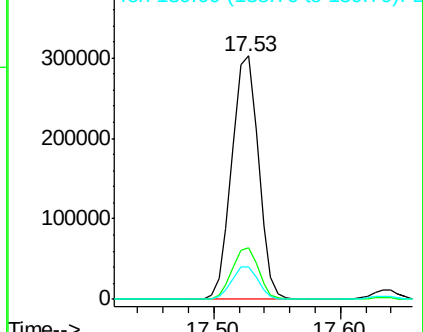
139 13.5 10.8 16.2



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



#74

Fluoranthene

Concen: 8.88 ng

RT: 19.18 min Scan# 2736

Delta R.T. -0.01 min

Lab File: BM003436.D

Acq: 10 Dec 2015 05:18

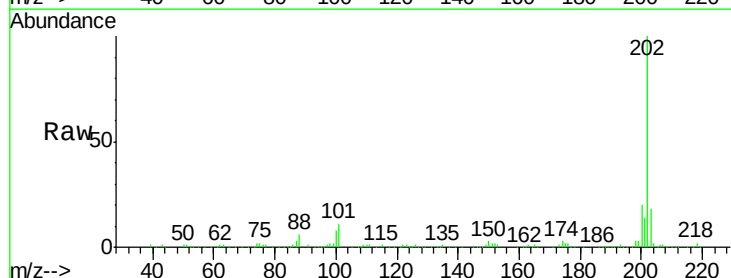
Tgt Ion:202 Resp: 223987

Ion Ratio Lower Upper

202 100

101 11.5 0.0 28.7

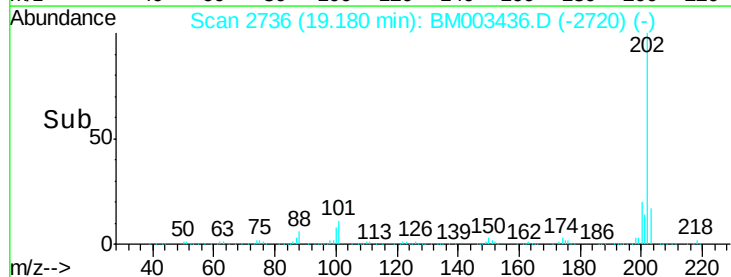
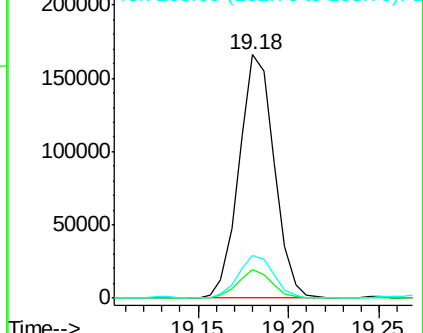
203 17.5 0.0 37.2

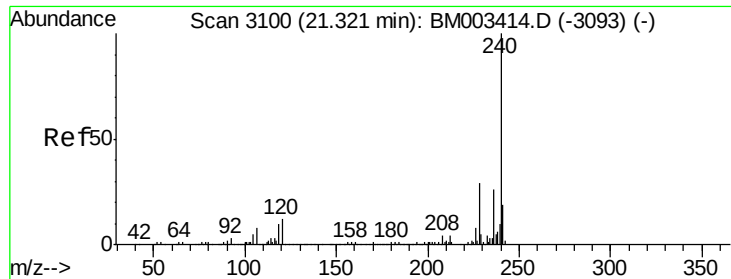


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.32 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM003436.D

Acq: 10 Dec 2015 05:18

Instrument :

BNA_M

ClientSampleId :

20151203-MGP218-BRV108

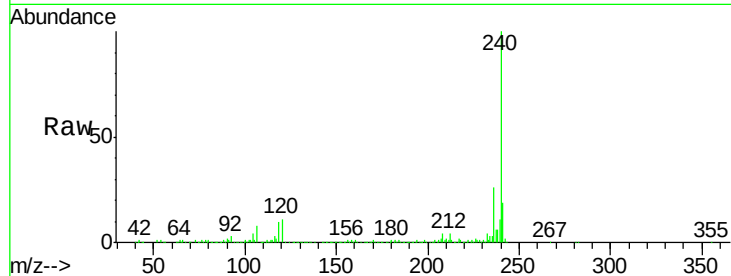
Tgt Ion:240 Resp: 389089

Ion Ratio Lower Upper

240 100

120 11.4 8.2 12.2

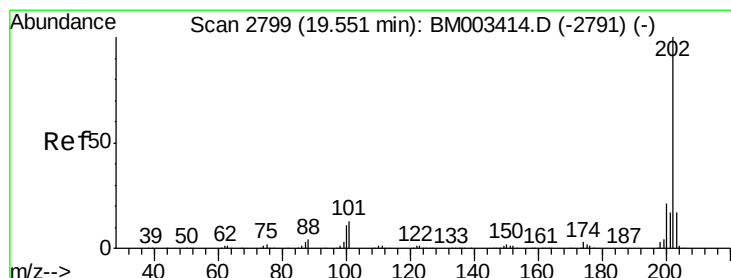
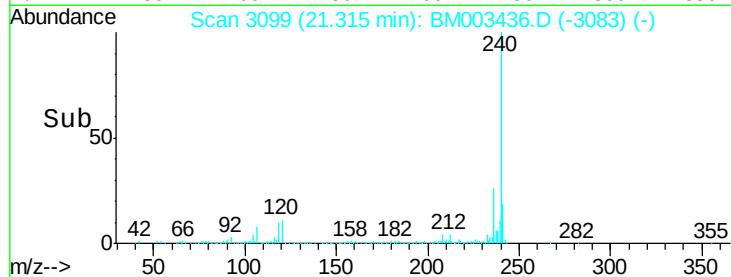
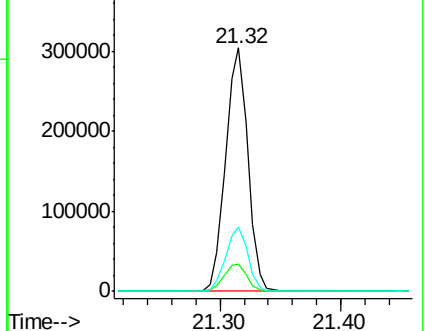
236 26.4 20.0 30.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 9.98 ng

RT: 19.54 min Scan# 2798

Delta R.T. -0.01 min

Lab File: BM003436.D

Acq: 10 Dec 2015 05:18

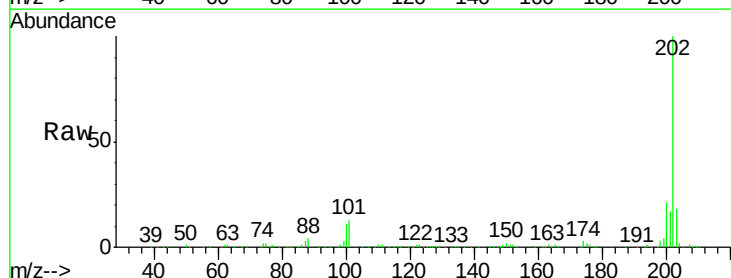
Tgt Ion:202 Resp: 272438

Ion Ratio Lower Upper

202 100

200 21.4 16.9 25.3

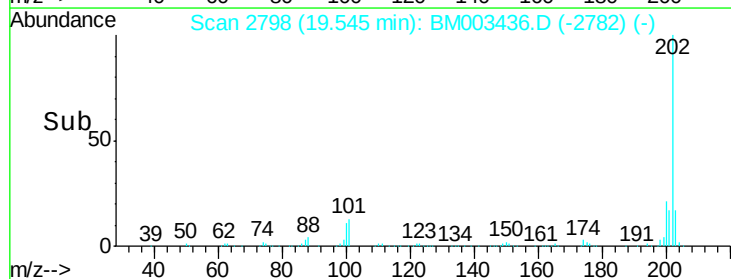
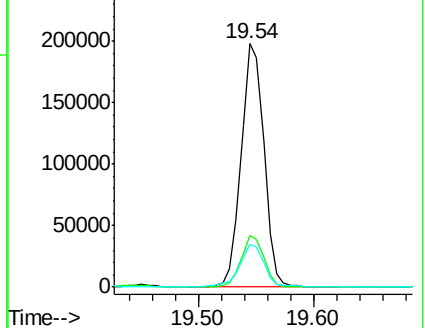
203 17.6 14.1 21.1

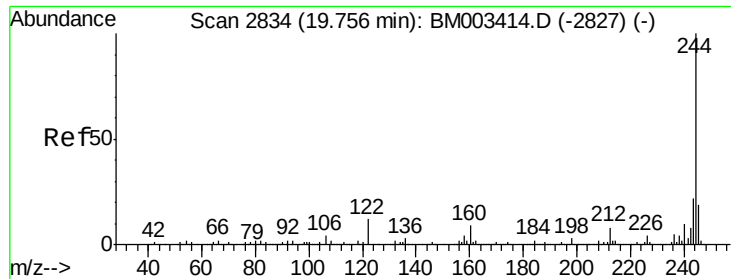


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 81.39 ng

RT: 19.76 min Scan# 2834

Delta R.T. 0.00 min

Lab File: BM003436.D

Acq: 10 Dec 2015 05:18

Instrument :

BNA_M

ClientSampleId :

20151203-MGP218-BRV108

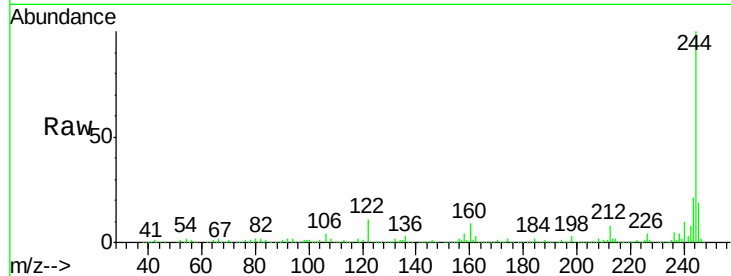
Tgt Ion:244 Resp: 1342836

Ion Ratio Lower Upper

244 100

212 8.1 4.9 7.3#

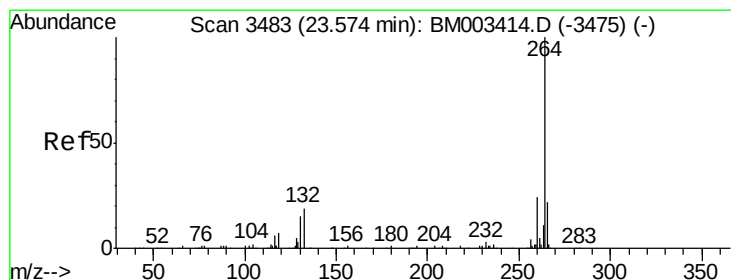
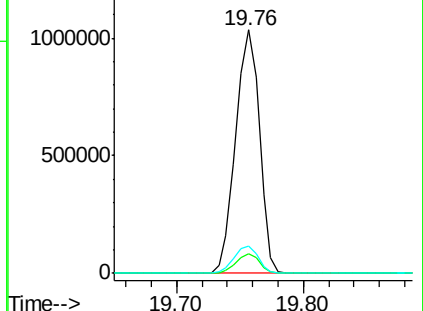
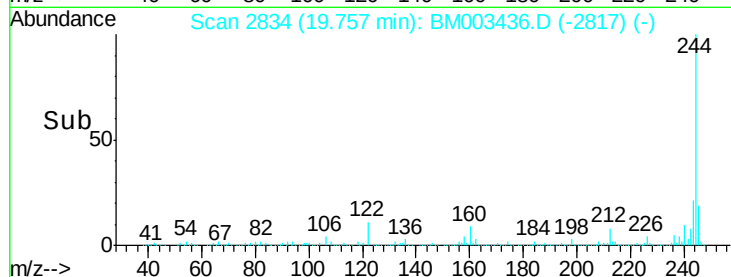
122 11.3 6.2 9.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.57 min Scan# 3482

Delta R.T. -0.01 min

Lab File: BM003436.D

Acq: 10 Dec 2015 05:18

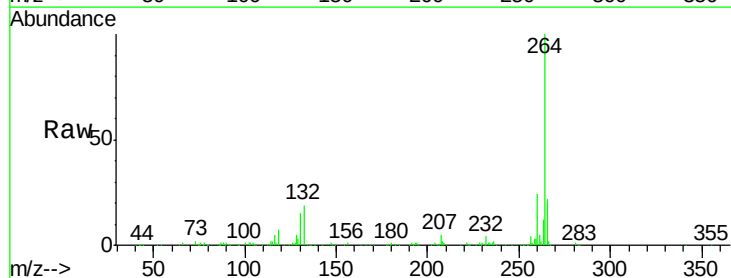
Tgt Ion:264 Resp: 356510

Ion Ratio Lower Upper

264 100

260 23.9 18.6 27.8

265 21.6 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

