

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120915\
 Data File : BM003455.D
 Acq On : 10 Dec 2015 16:45
 Operator : UM/IZ
 Sample : G4681-03DL 5X
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 20151203-MGP218-BRV108DL

Quant Time: Dec 10 17:46:35 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

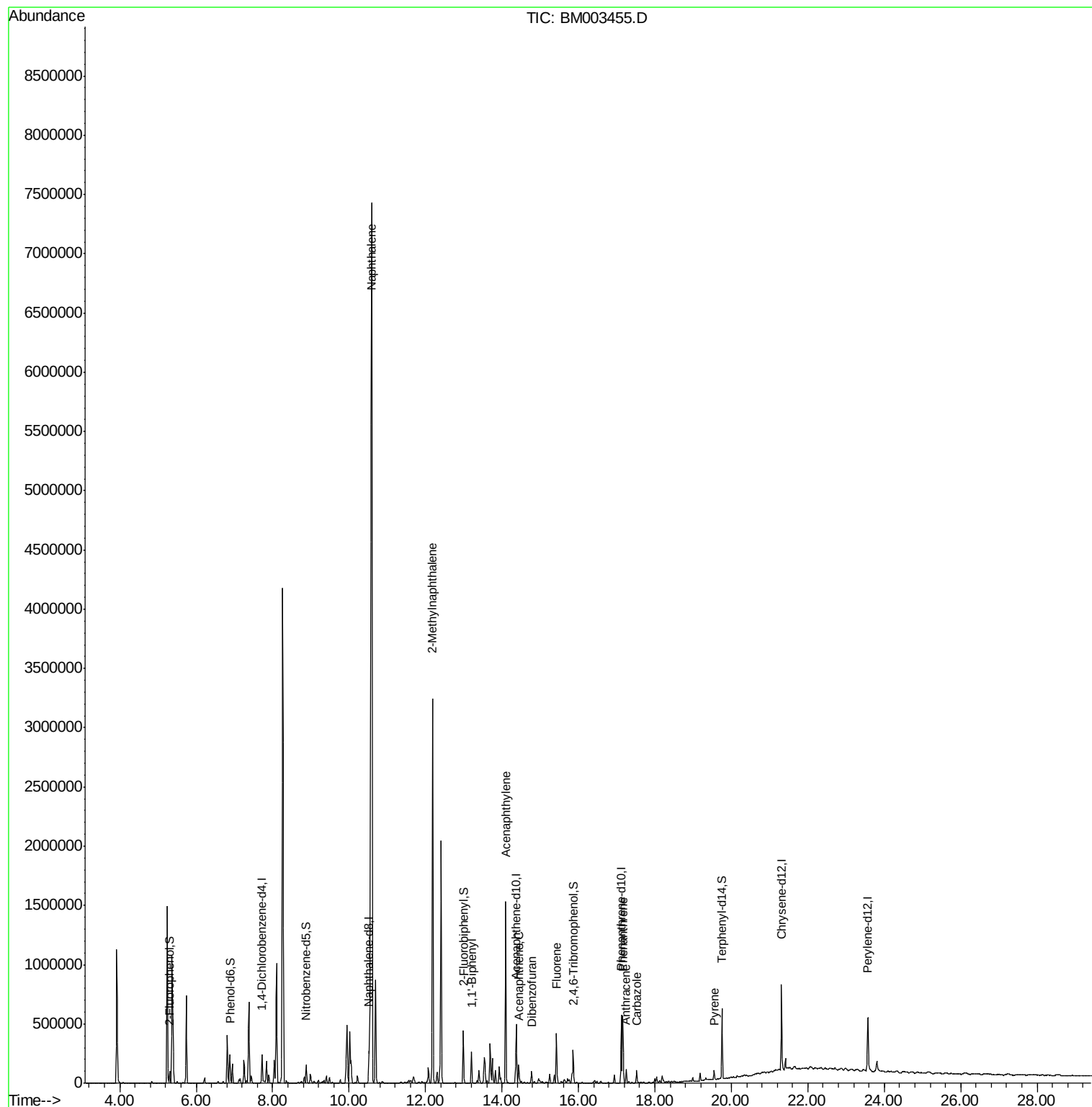
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	68209	20.00	ng	0.00
21) Naphthalene-d8	10.52	136	298609	20.00	ng	0.00
38) Acenaphthene-d10	14.37	164	165216	20.00	ng	0.00
63) Phenanthrene-d10	17.12	188	331526	20.00	ng	0.00
75) Chrysene-d12	21.32	240	321336	20.00	ng	0.00
86) Perylene-d12	23.57	264	316180	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	46843	12.21	ng	0.00
7) Phenol-d6	6.89	99	41171	7.73	ng	0.00
23) Nitrobenzene-d5	8.88	82	88579	18.39	ng	0.00
41) 2,4,6-Tribromophenol	15.86	330	44005	26.67	ng	0.00
44) 2-Fluorobiphenyl	12.99	172	237676	19.60	ng	0.00
78) Terphenyl-d14	19.76	244	250750	18.40	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.59	128	9153933	585.83	ng	97
37) 2-Methylnaphthalene	12.19	142	1651671	154.10	ng	# 97
45) 1,1'-Biphenyl	13.20	154	139861	9.55	ng	99
48) Acenaphthylene	14.10	152	1059171	59.03	ng	100
51) Acenaphthene	14.44	154	55575	5.35	ng	99
54) Dibenzofuran	14.77	168	54108	3.60	ng	# 94
57) Fluorene	15.42	166	200772	16.13	ng	99
70) Phenanthrene	17.16	178	330159	17.75	ng	100
71) Anthracene	17.25	178	71731	3.88	ng	100
72) Carbazole	17.52	167	72100	4.48	ng	99
77) Pyrene	19.55	202	46287	2.05	ng	99

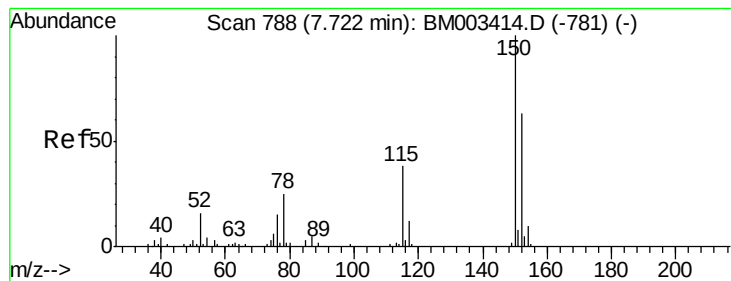
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120915\
Data File : BM003455.D
Acq On : 10 Dec 2015 16:45
Operator : UM/IZ
Sample : G4681-03DL 5X
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
20151203-MGP218-BRV108DL

Quant Time: Dec 10 17:46:35 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



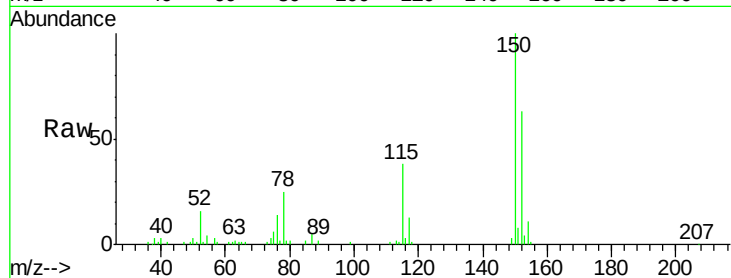


#1

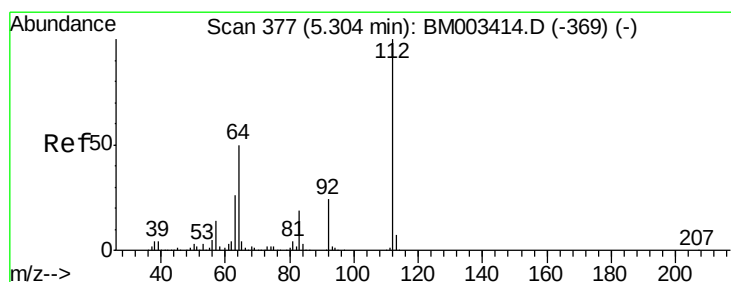
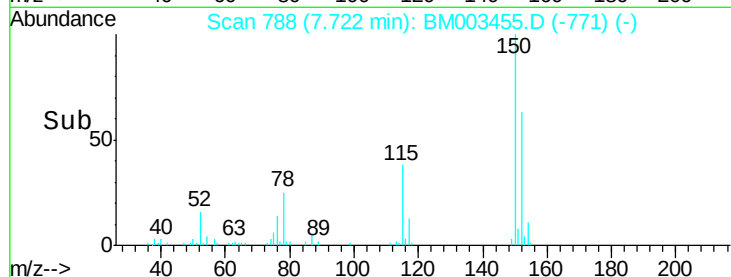
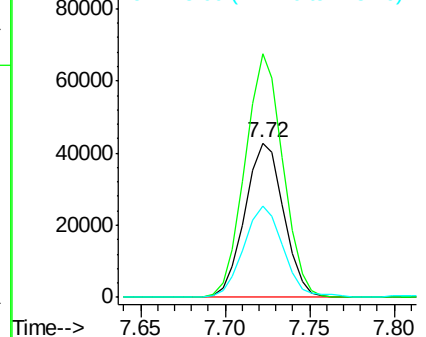
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BM003455.D
Acq: 10 Dec 2015 16:45

Instrument :
BNA_M
ClientSampleId :
20151203-MGP218-BRV108DL

Tgt Ion:152 Resp: 68209
Ion Ratio Lower Upper
152 100
150 157.6 119.5 179.3
115 59.5 43.0 64.4



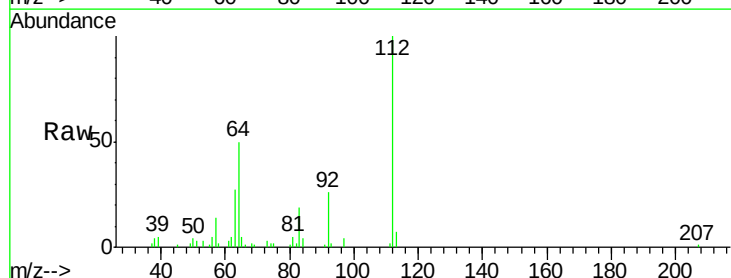
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



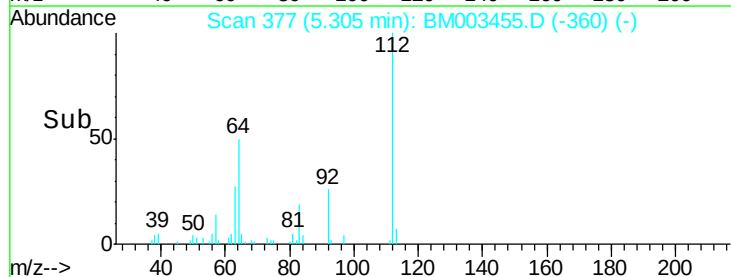
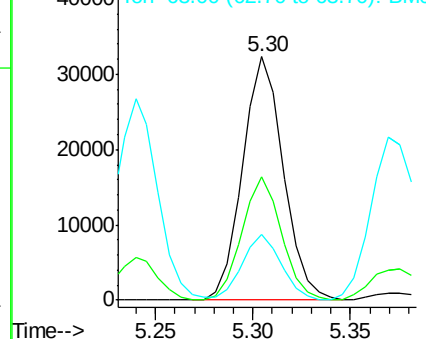
#5

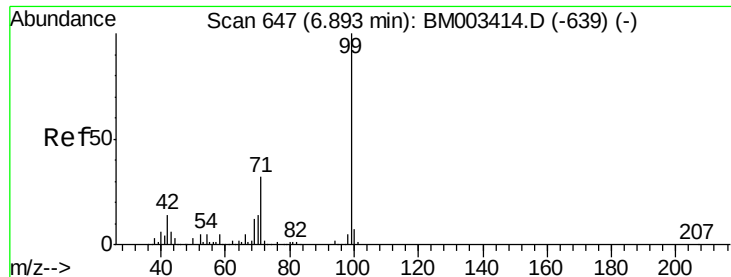
2-Fluorophenol
Concen: 12.21 ng
RT: 5.30 min Scan# 377
Delta R.T. 0.00 min
Lab File: BM003455.D
Acq: 10 Dec 2015 16:45

Tgt Ion:112 Resp: 46843
Ion Ratio Lower Upper
112 100
64 50.4 38.6 57.8
63 26.9 19.3 28.9



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 7.73 ng

RT: 6.89 min Scan# 647

Delta R.T. 0.00 min

Lab File: BM003455.D

Acq: 10 Dec 2015 16:45

Instrument :

BNA_M

ClientSampleId :

20151203-MGP218-BRV108DL

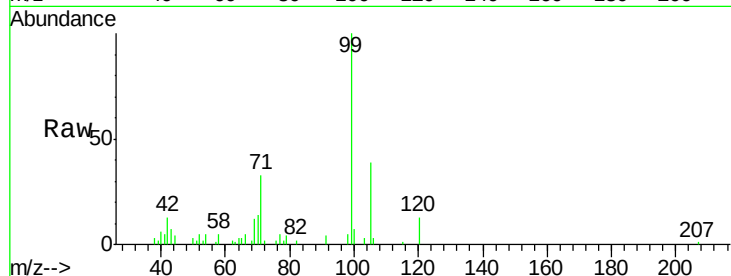
Tgt Ion: 99 Resp: 41171

Ion Ratio Lower Upper

99 100

42 13.2 11.0 16.4

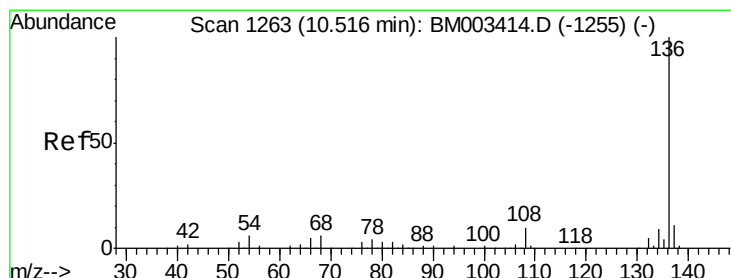
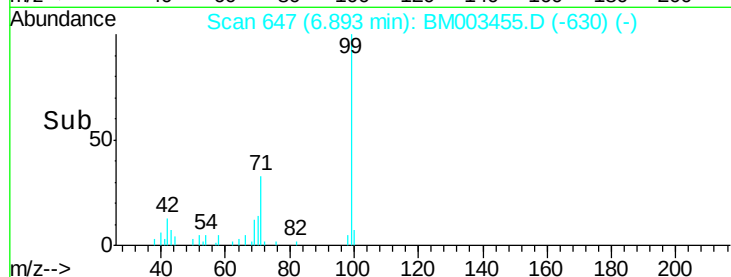
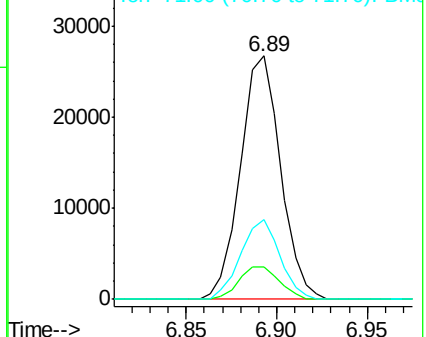
71 32.8 23.4 35.2



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) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.52 min Scan# 1264

Delta R.T. 0.01 min

Lab File: BM003455.D

Acq: 10 Dec 2015 16:45

Tgt Ion: 136 Resp: 298609

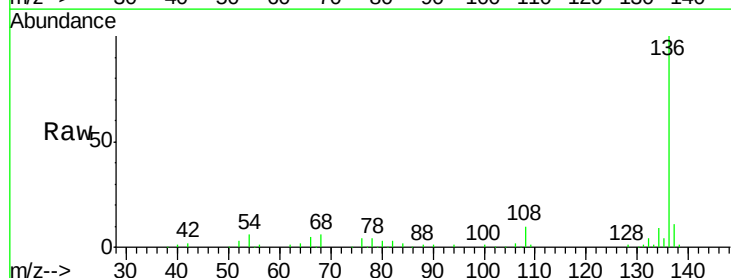
Ion Ratio Lower Upper

136 100

137 10.6 8.7 13.1

54 5.8 4.6 6.8

68 5.5 3.7 5.5#

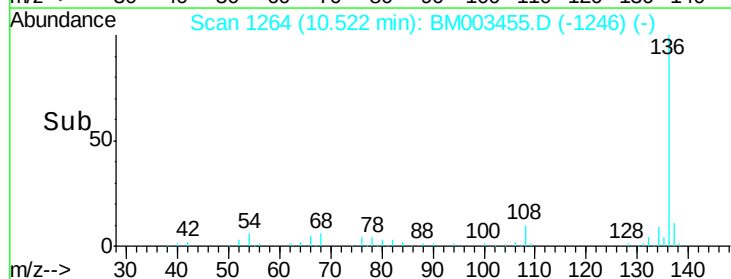
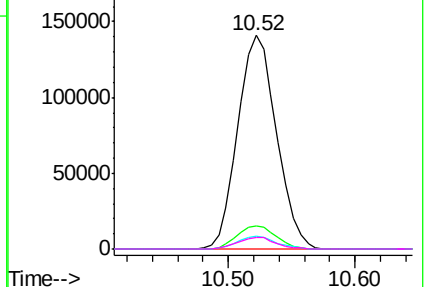


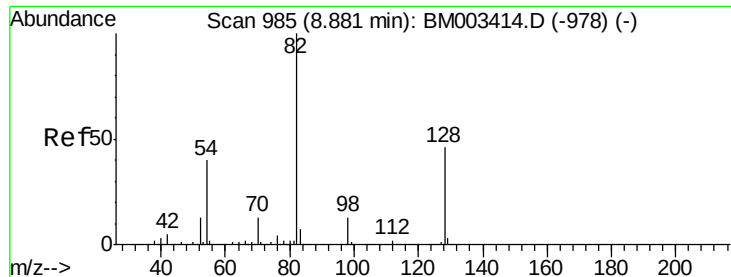
Abundance Ion 136.00 (135.70 to 136.70): BM003414.D (-1255) (-)

Ion 137.00 (136.70 to 137.70): BM003414.D (-1255) (-)

Ion 54.00 (53.70 to 54.70): BM003414.D (-1255) (-)

Ion 68.00 (67.70 to 68.70): BM003414.D (-1255) (-)

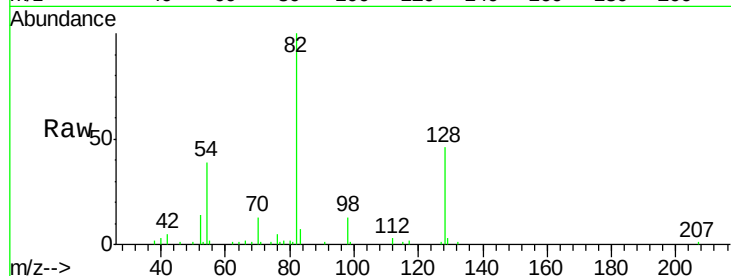




#23
 Nitrobenzene-d5
 Concen: 18.39 ng
 RT: 8.88 min Scan# 985
 Delta R.T. 0.00 min
 Lab File: BM003455.D
 Acq: 10 Dec 2015 16:45

Instrument :
 BNA_M
 ClientSampleId :
 20151203-MGP218-BRV108DL

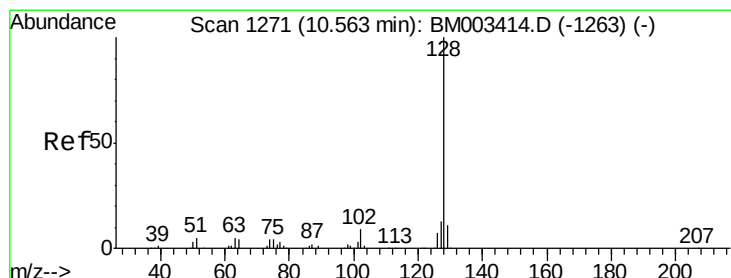
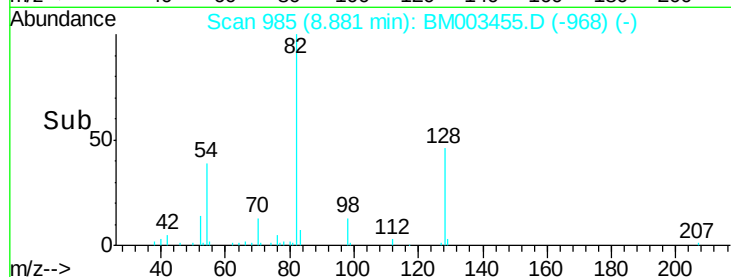
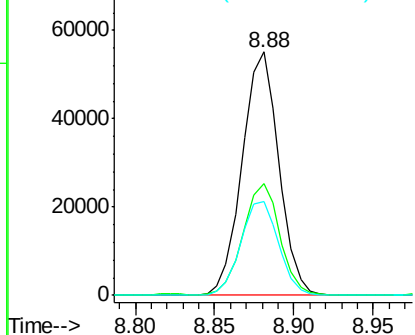
Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.0	32.8	49.2
54	38.8	40.6	60.8



Abundance Ion 82.00 (81.70 to 82.70): BM003414.D (-978) (-)

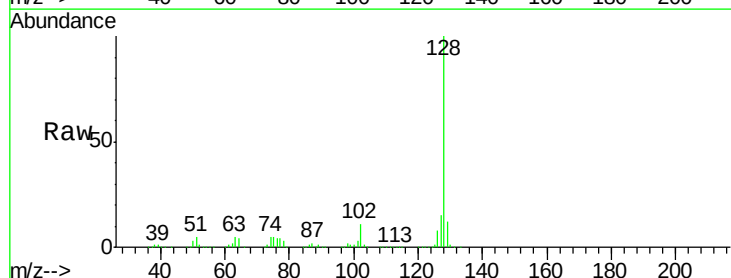
Ion 128.00 (127.70 to 128.70): BM003414.D (-978) (-)

Ion 54.00 (53.70 to 54.70): BM003414.D (-978) (-)



#31
 Naphthalene
 Concen: 585.83 ng
 RT: 10.59 min Scan# 1276
 Delta R.T. 0.03 min
 Lab File: BM003455.D
 Acq: 10 Dec 2015 16:45

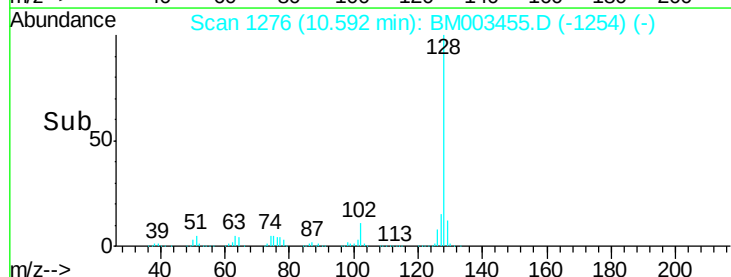
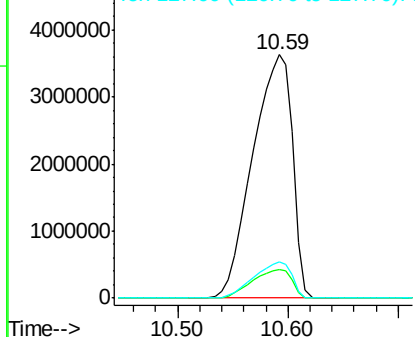
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.9	13.3
127	14.7	10.4	15.6

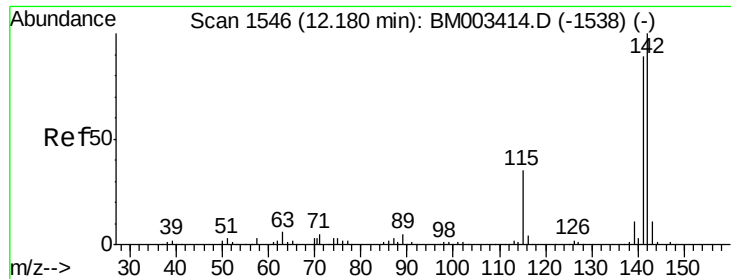


Abundance Ion 128.00 (127.70 to 128.70): BM003414.D (-1263) (-)

Ion 129.00 (128.70 to 129.70): BM003414.D (-1263) (-)

Ion 127.00 (126.70 to 127.70): BM003414.D (-1263) (-)

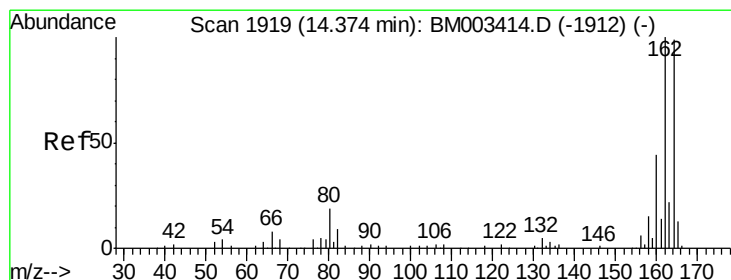
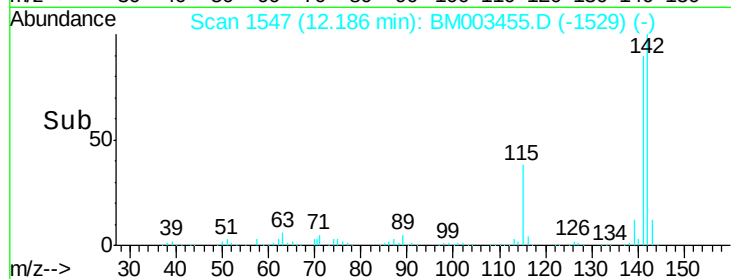
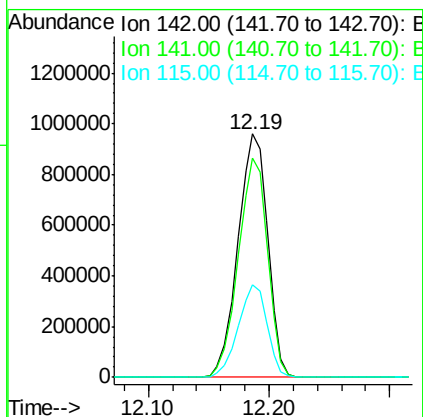
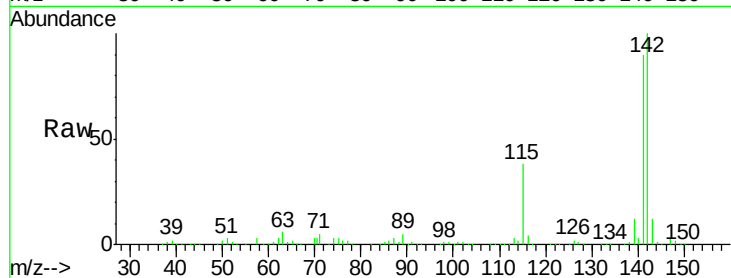




#37
2-Methylnaphthalene
Concen: 154.10 ng
RT: 12.19 min Scan# 1547
Delta R.T. 0.01 min
Lab File: BM003455.D
Acq: 10 Dec 2015 16:45

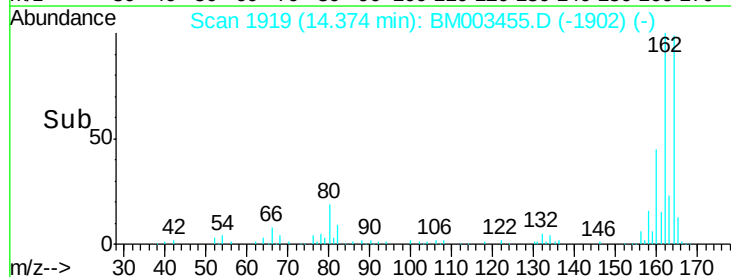
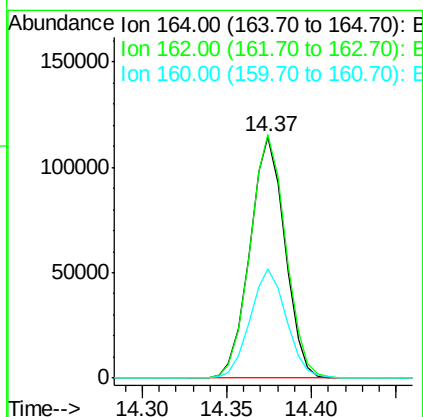
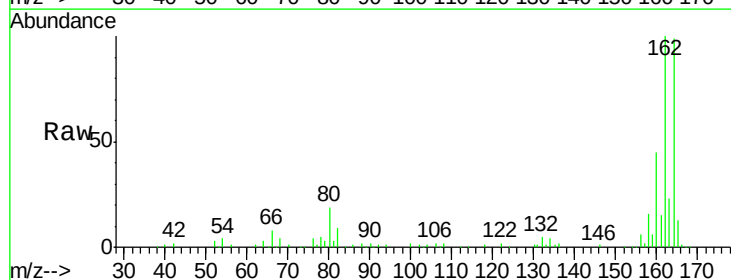
Instrument :
BNA_M
ClientSampleId :
20151203-MGP218-BRV108DL

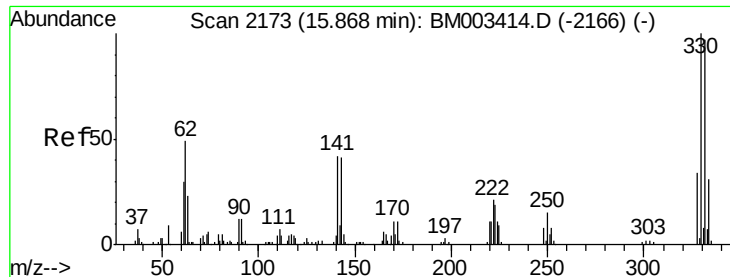
Tgt Ion:142 Resp: 1651671
Ion Ratio Lower Upper
142 100
141 90.0 71.9 107.9
115 38.3 25.4 38.0#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.37 min Scan# 1919
Delta R.T. 0.00 min
Lab File: BM003455.D
Acq: 10 Dec 2015 16:45

Tgt Ion:164 Resp: 165216
Ion Ratio Lower Upper
164 100
162 101.0 82.4 123.6
160 45.3 35.8 53.6





#41

2,4,6-Tribromophenol

Concen: 26.67 ng

RT: 15.86 min Scan# 2172

Delta R.T. -0.01 min

Lab File: BM003455.D

Acq: 10 Dec 2015 16:45

Instrument :

BNA_M

ClientSampleId :

20151203-MGP218-BRV108DL

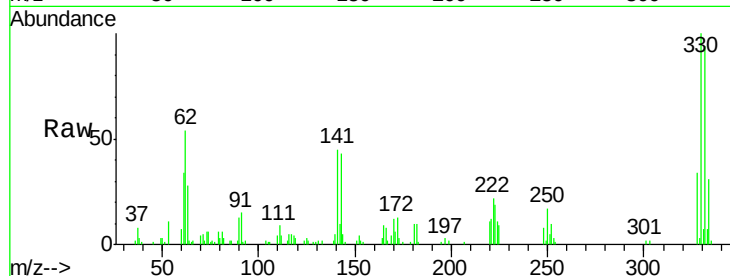
Tgt Ion:330 Resp: 44005

Ion Ratio Lower Upper

330 100

332 95.7 0.0 0.0#

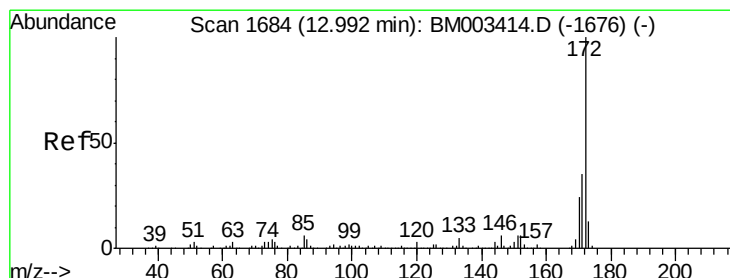
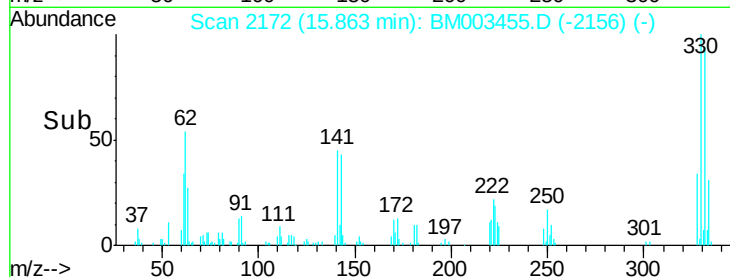
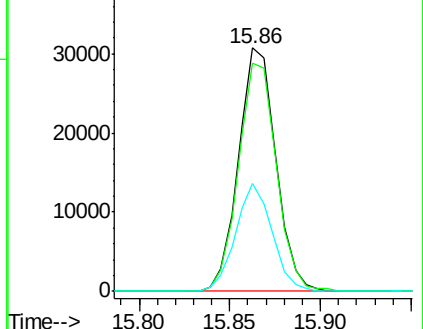
141 43.3 0.0 0.0#



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 19.60 ng

RT: 12.99 min Scan# 1683

Delta R.T. -0.01 min

Lab File: BM003455.D

Acq: 10 Dec 2015 16:45

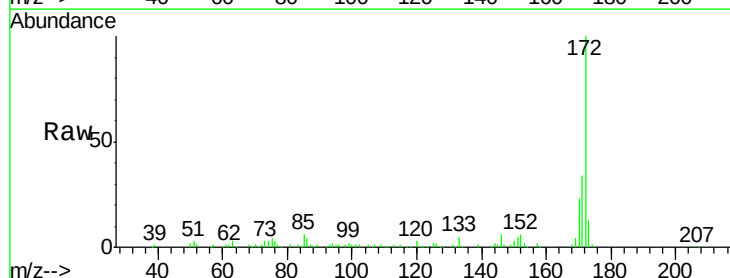
Tgt Ion:172 Resp: 237676

Ion Ratio Lower Upper

172 100

171 34.2 28.5 42.7

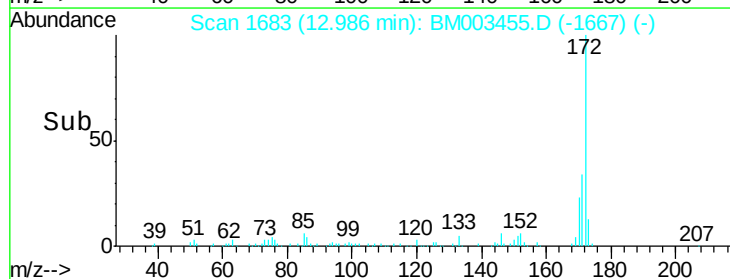
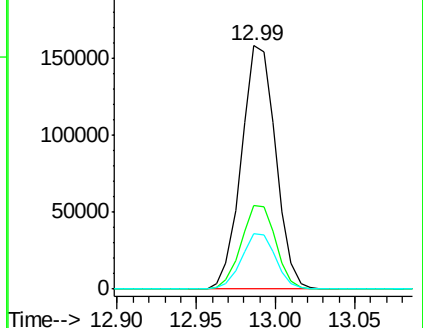
170 22.6 18.8 28.2

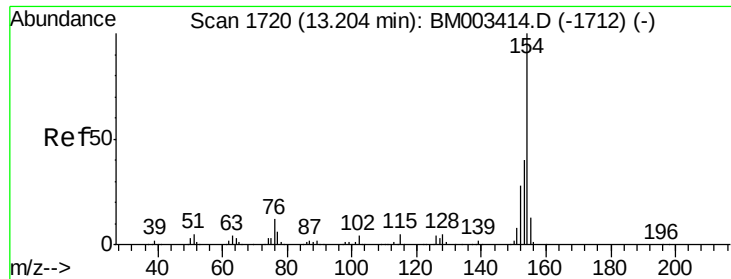


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

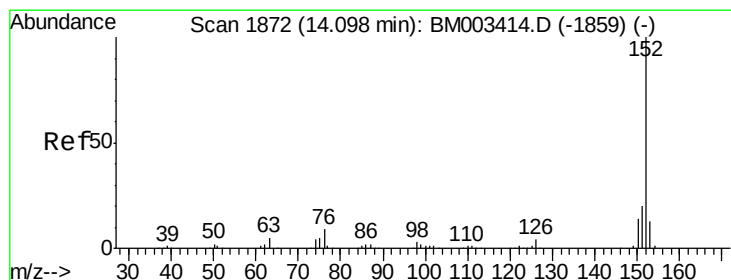
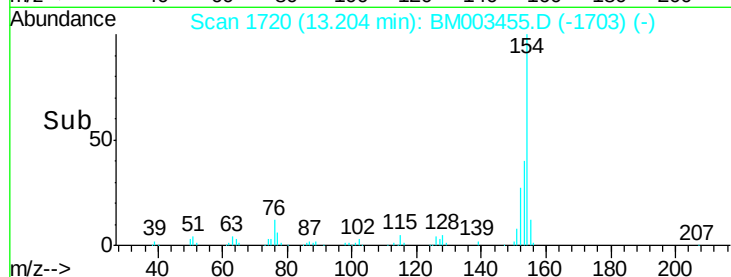
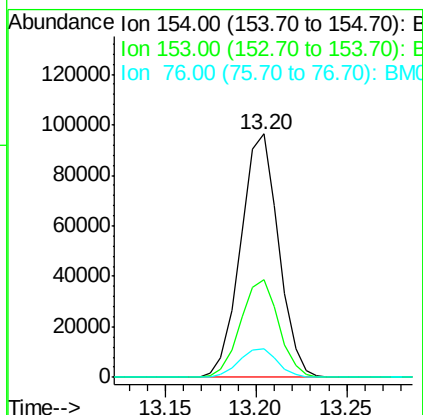
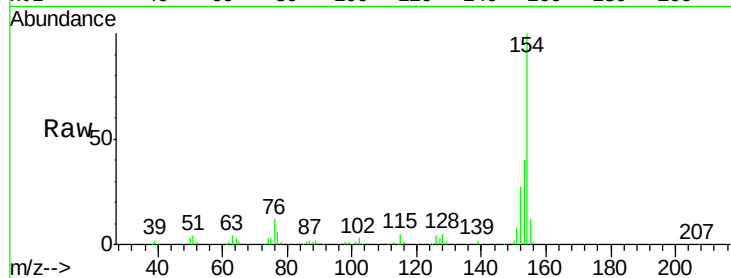




#45
1,1'-Biphenyl
Concen: 9.55 ng
RT: 13.20 min Scan# 1720
Delta R.T. 0.00 min
Lab File: BM003455.D
Acq: 10 Dec 2015 16:45

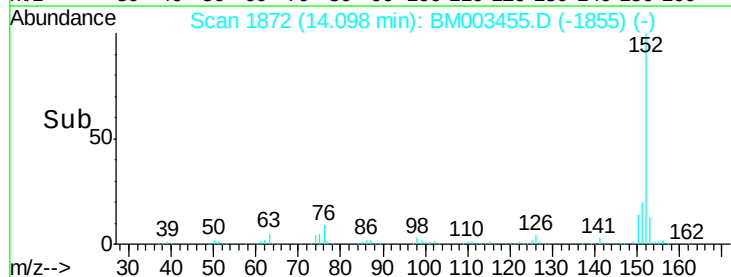
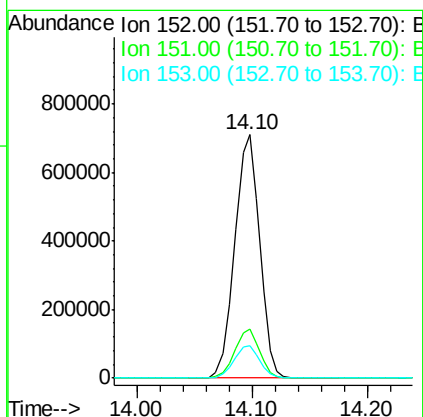
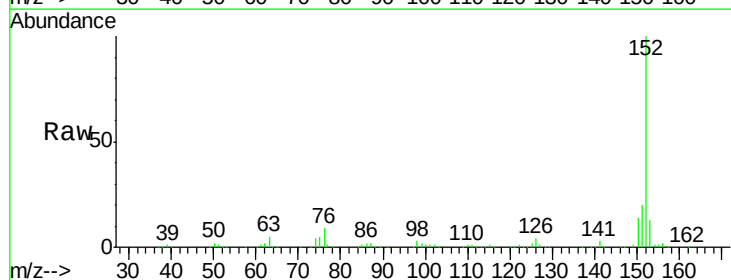
Instrument :
BNA_M
ClientSampleId :
20151203-MGP218-BRV108DL

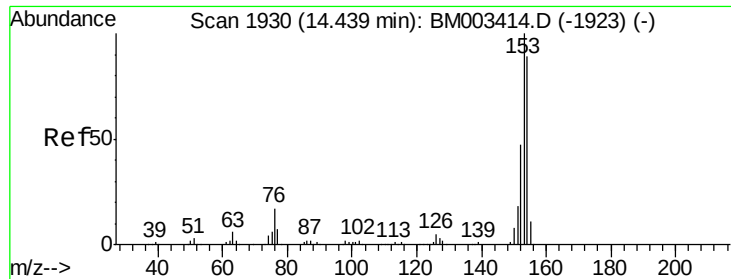
Tgt Ion:154 Resp: 139861
Ion Ratio Lower Upper
154 100
153 39.9 20.7 60.7
76 11.8 0.0 30.9



#48
Acenaphthylene
Concen: 59.03 ng
RT: 14.10 min Scan# 1872
Delta R.T. 0.00 min
Lab File: BM003455.D
Acq: 10 Dec 2015 16:45

Tgt Ion:152 Resp: 1059171
Ion Ratio Lower Upper
152 100
151 20.0 15.9 23.9
153 13.5 10.6 16.0





#51

Acenaphthene

Concen: 5.35 ng

RT: 14.44 min Scan# 1930

Delta R.T. 0.00 min

Lab File: BM003455.D

Acq: 10 Dec 2015 16:45

Instrument :

BNA_M

ClientSampleId :

20151203-MGP218-BRV108DL

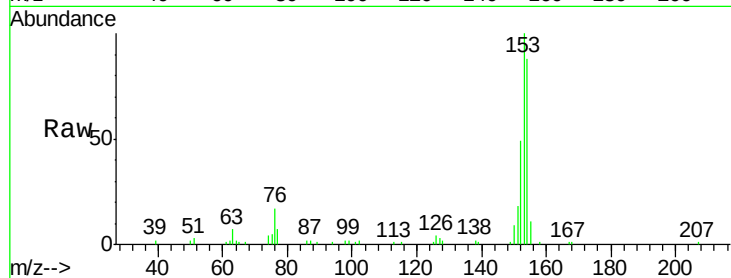
Tgt Ion:154 Resp: 55575

Ion Ratio Lower Upper

154 100

153 113.3 90.0 135.0

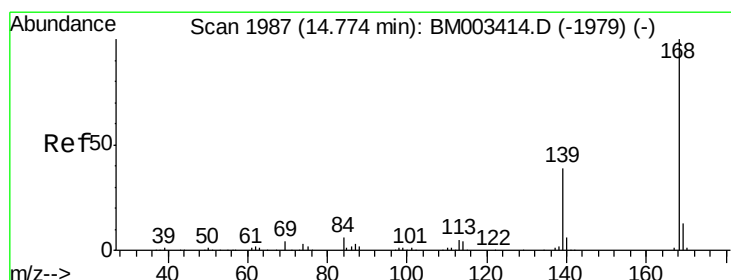
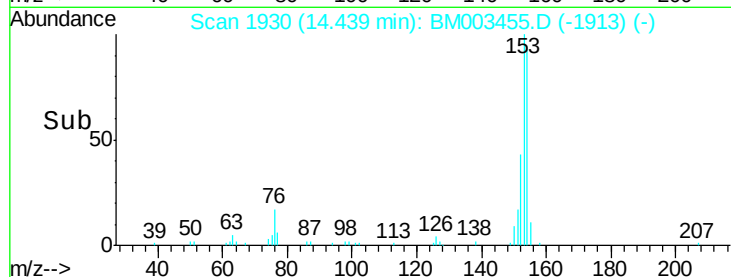
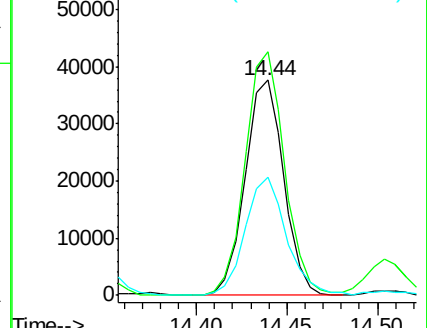
152 55.0 42.6 63.8



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

Dibenzofuran

Concen: 3.60 ng

RT: 14.77 min Scan# 1987

Delta R.T. 0.00 min

Lab File: BM003455.D

Acq: 10 Dec 2015 16:45

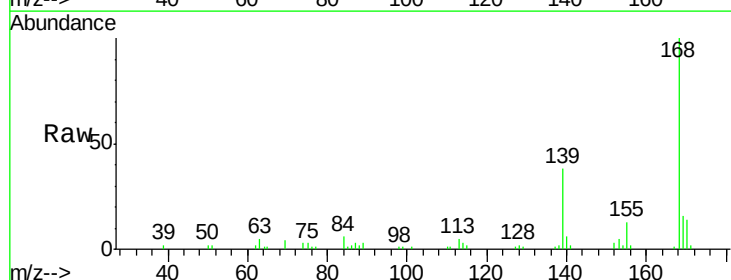
Tgt Ion:168 Resp: 54108

Ion Ratio Lower Upper

168 100

139 37.6 27.3 40.9

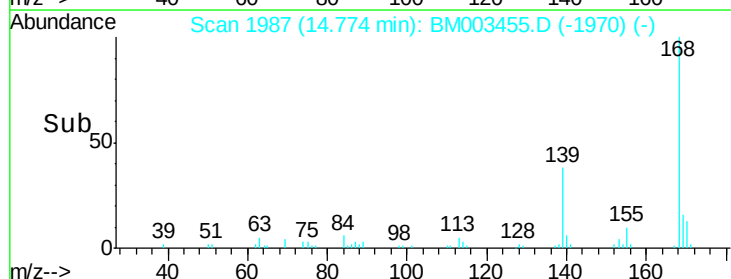
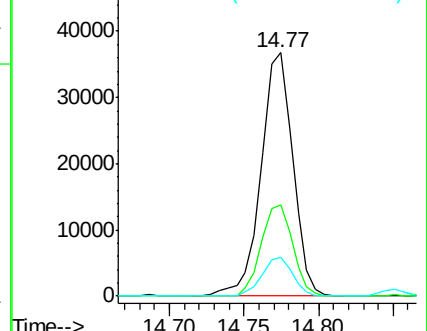
169 16.2 10.6 16.0#

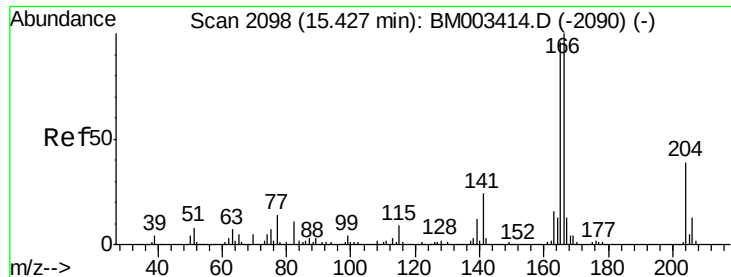


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 16.13 ng

RT: 15.42 min Scan# 2097

Delta R.T. -0.01 min

Lab File: BM003455.D

Acq: 10 Dec 2015 16:45

Instrument :

BNA_M

ClientSampleId :

20151203-MGP218-BRV108DL

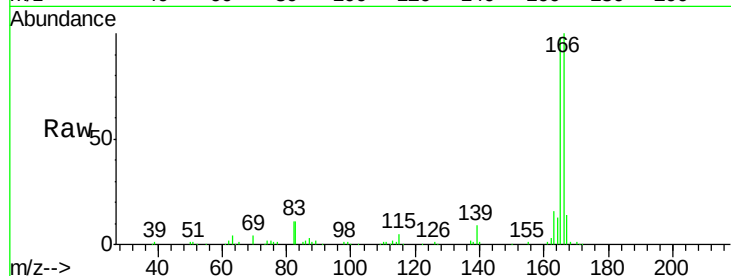
Tgt Ion:166 Resp: 200772

Ion Ratio Lower Upper

166 100

165 97.8 79.0 118.4

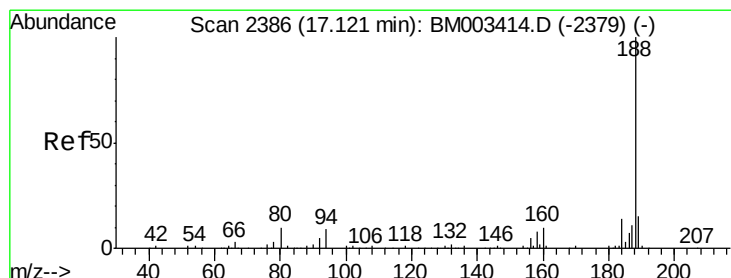
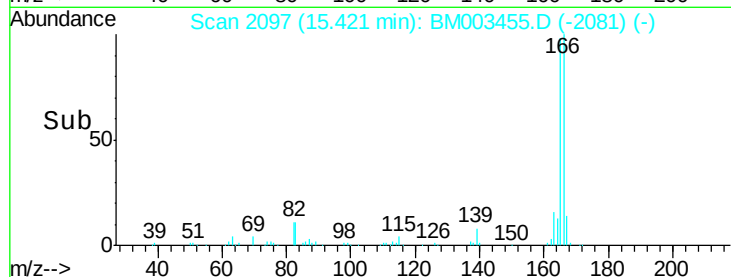
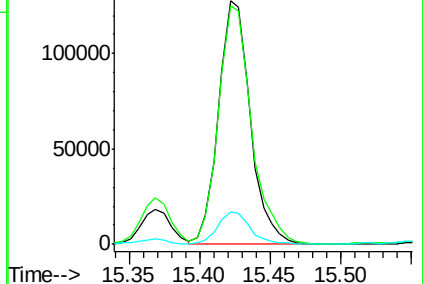
167 13.5 10.3 15.5



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.12 min Scan# 2386

Delta R.T. 0.00 min

Lab File: BM003455.D

Acq: 10 Dec 2015 16:45

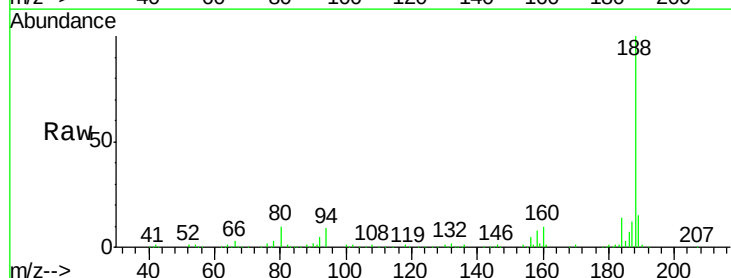
Tgt Ion:188 Resp: 331526

Ion Ratio Lower Upper

188 100

94 8.8 8.7 13.1

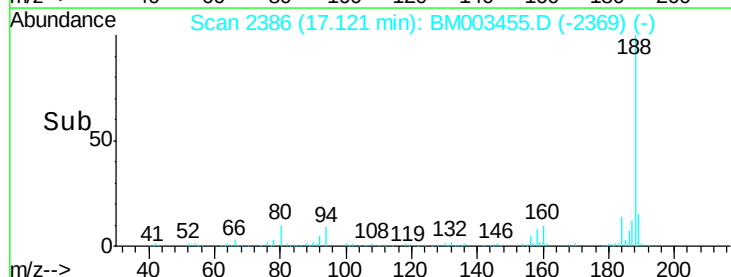
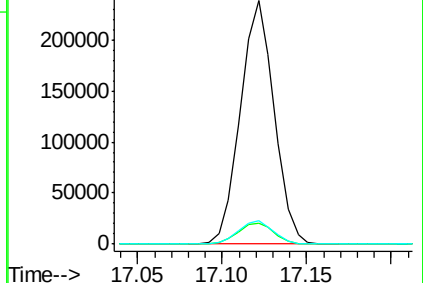
80 9.6 9.3 13.9

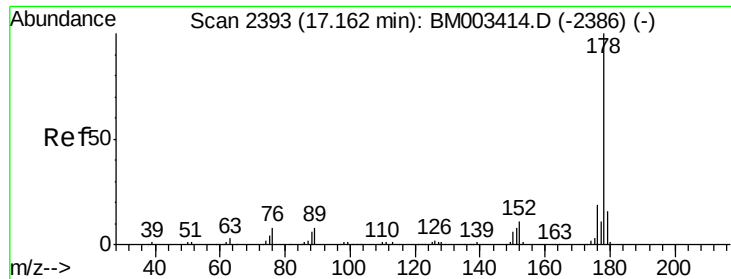


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#70

Phenanthrene

Concen: 17.75 ng

RT: 17.16 min Scan# 2393

Delta R.T. 0.00 min

Lab File: BM003455.D

Acq: 10 Dec 2015 16:45

Instrument :

BNA_M

ClientSampleId :

20151203-MGP218-BRV108DL

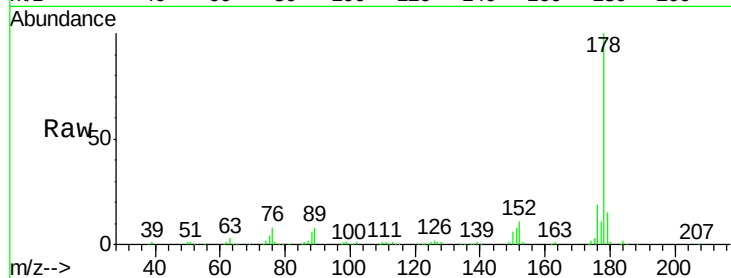
Tgt Ion:178 Resp: 330159

Ion Ratio Lower Upper

178 100

176 18.9 15.2 22.8

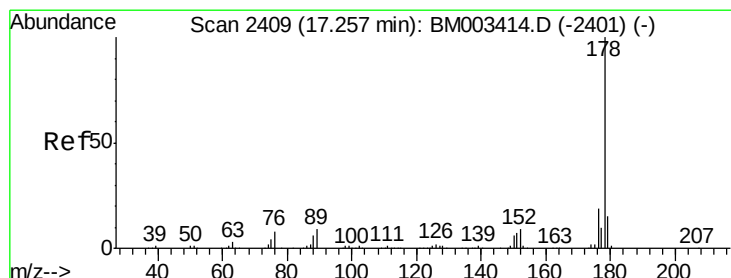
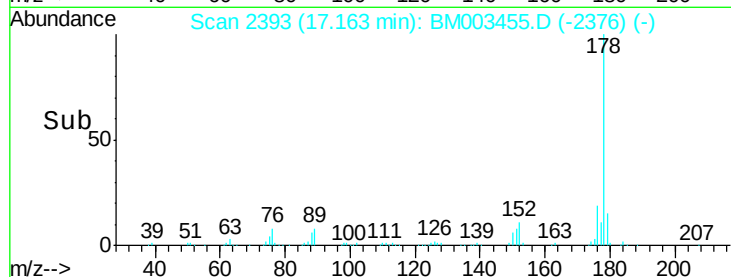
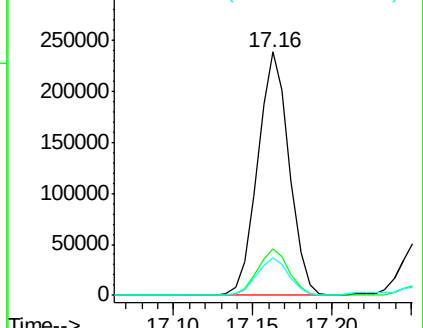
179 15.5 12.1 18.1



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: 3.88 ng

RT: 17.25 min Scan# 2408

Delta R.T. -0.01 min

Lab File: BM003455.D

Acq: 10 Dec 2015 16:45

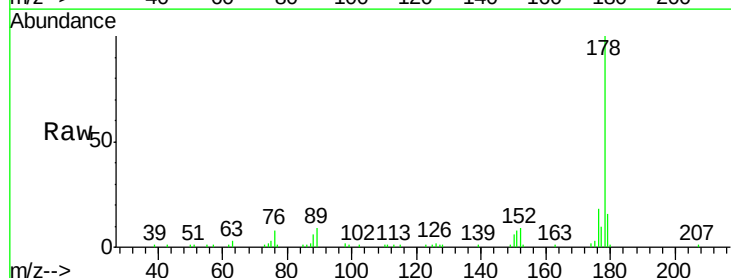
Tgt Ion:178 Resp: 71731

Ion Ratio Lower Upper

178 100

176 18.3 14.6 22.0

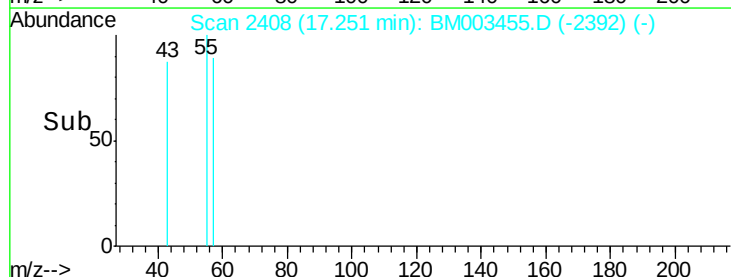
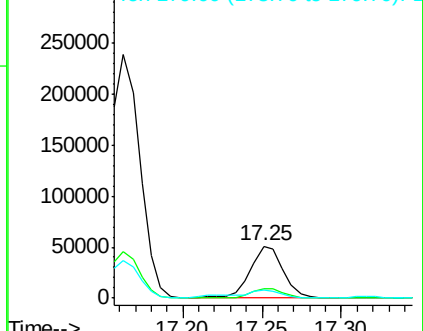
179 15.7 12.6 19.0

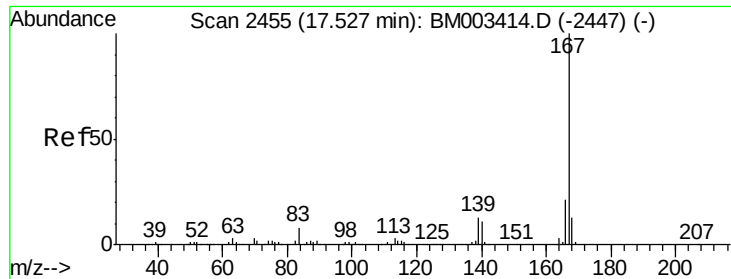


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

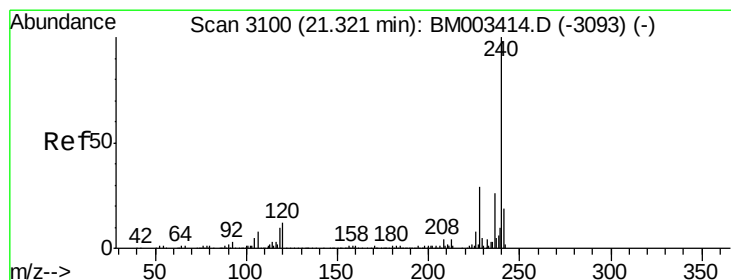
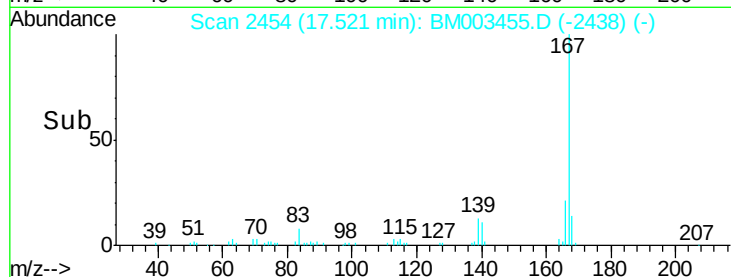
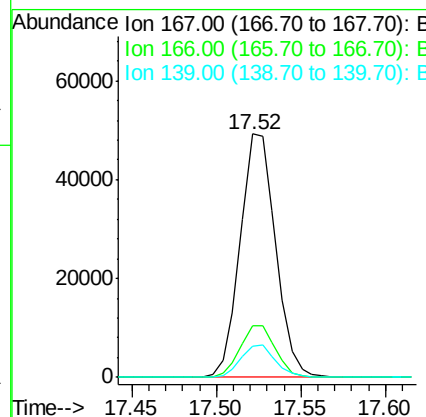
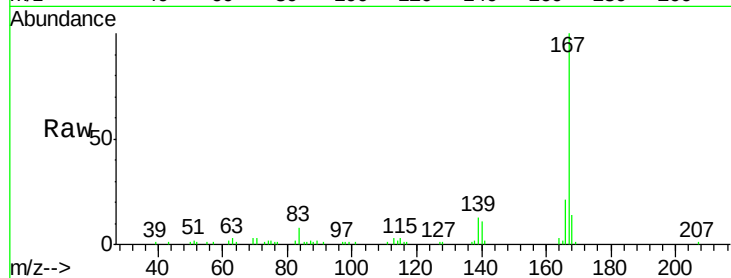




#72
 Carbazole
 Concen: 4.48 ng
 RT: 17.52 min Scan# 2454
 Delta R.T. -0.01 min
 Lab File: BM003455.D
 Acq: 10 Dec 2015 16:45

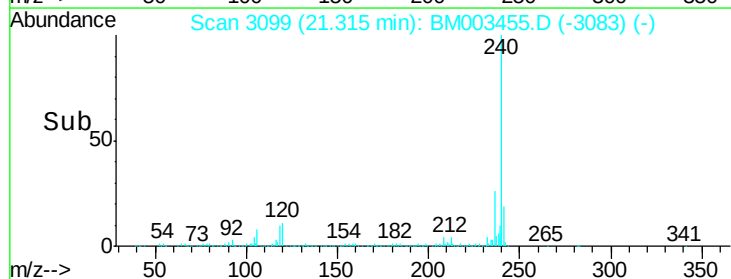
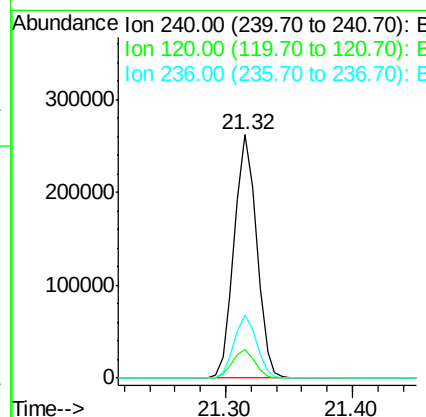
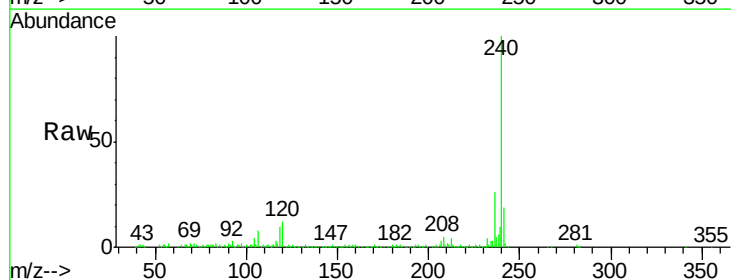
Instrument :
 BNA_M
 ClientSampleId :
 20151203-MGP218-BRV108DL

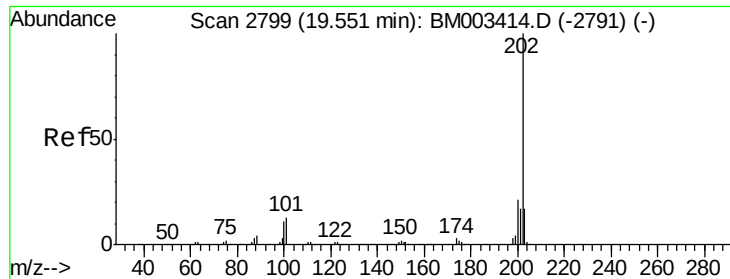
Tgt Ion:167 Resp: 72100
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.2 25.8
 139 12.9 10.8 16.2



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.32 min Scan# 3099
 Delta R.T. -0.01 min
 Lab File: BM003455.D
 Acq: 10 Dec 2015 16:45

Tgt Ion:240 Resp: 321336
 Ion Ratio Lower Upper
 240 100
 120 11.6 8.2 12.2
 236 25.7 20.0 30.0

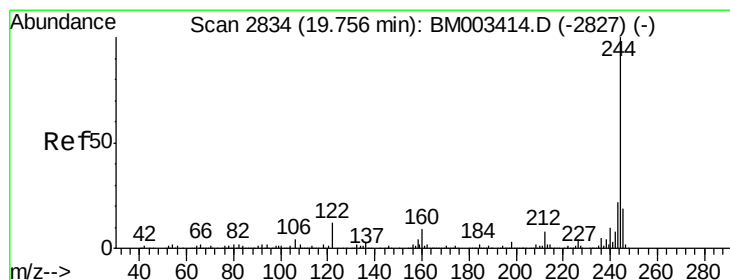
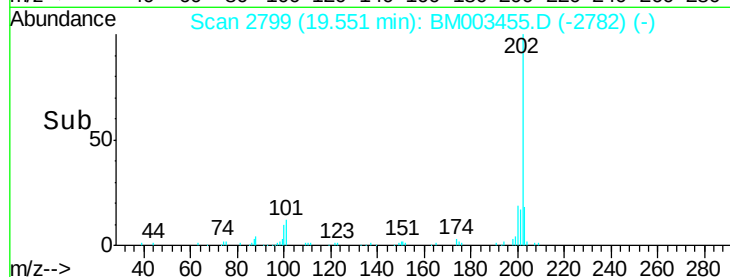
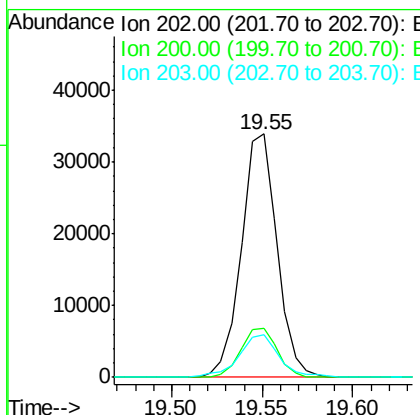
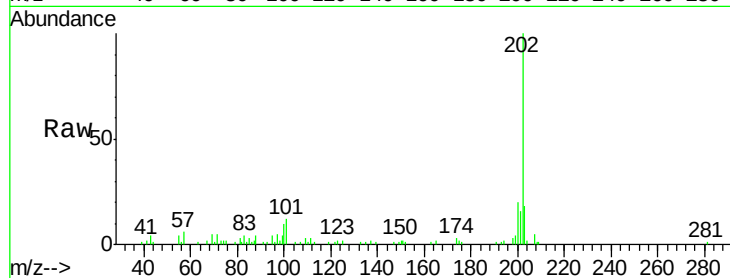




#77
 Pyrene
 Concen: 2.05 ng
 RT: 19.55 min Scan# 2799
 Delta R.T. 0.00 min
 Lab File: BM003455.D
 Acq: 10 Dec 2015 16:45

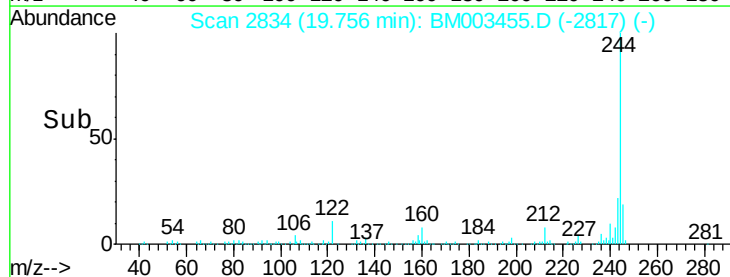
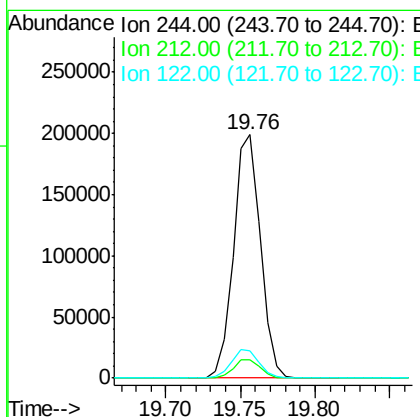
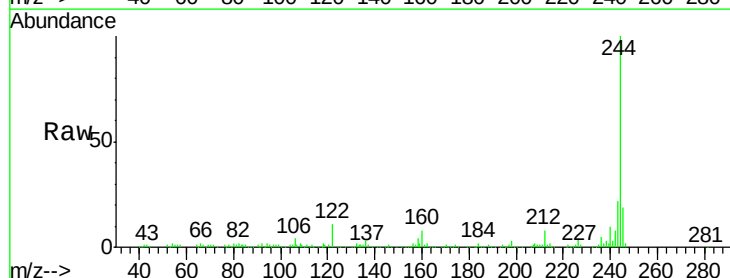
Instrument :
 BNA_M
 ClientSampleId :
 20151203-MGP218-BRV108DL

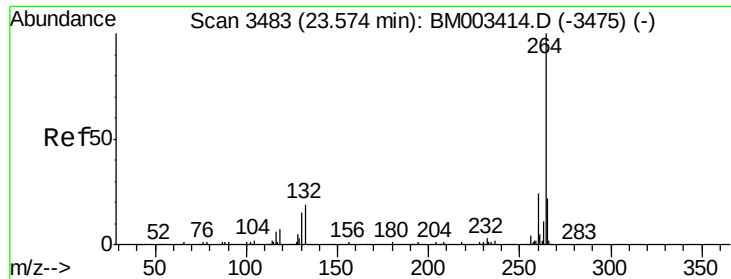
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.9	25.3
203	17.7	14.1	21.1



#78
 Terphenyl-d14
 Concen: 18.40 ng
 RT: 19.76 min Scan# 2834
 Delta R.T. 0.00 min
 Lab File: BM003455.D
 Acq: 10 Dec 2015 16:45

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	4.9	7.3#
122	11.3	6.2	9.4#





#86
Perylene-d12
Concen: 20.00 ng
RT: 23.57 min Scan# 3482
Delta R.T. -0.01 min
Lab File: BM003455.D
Acq: 10 Dec 2015 16:45

Instrument :
BNA_M
ClientSampleId :
20151203-MGP218-BRV108DL

Tgt Ion: 264 Resp: 316180
Ion Ratio Lower Upper
264 100
260 23.9 18.6 27.8
265 21.5 17.3 25.9

