

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060416\
 Data File : BF087697.D
 Acq On : 5 Jun 2016 9:11
 Operator : UM/SJ
 Sample : H3345-02
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-14

Quant Time: Jun 06 11:32:47 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 04 11:07:28 2016
 Response via : Initial Calibration

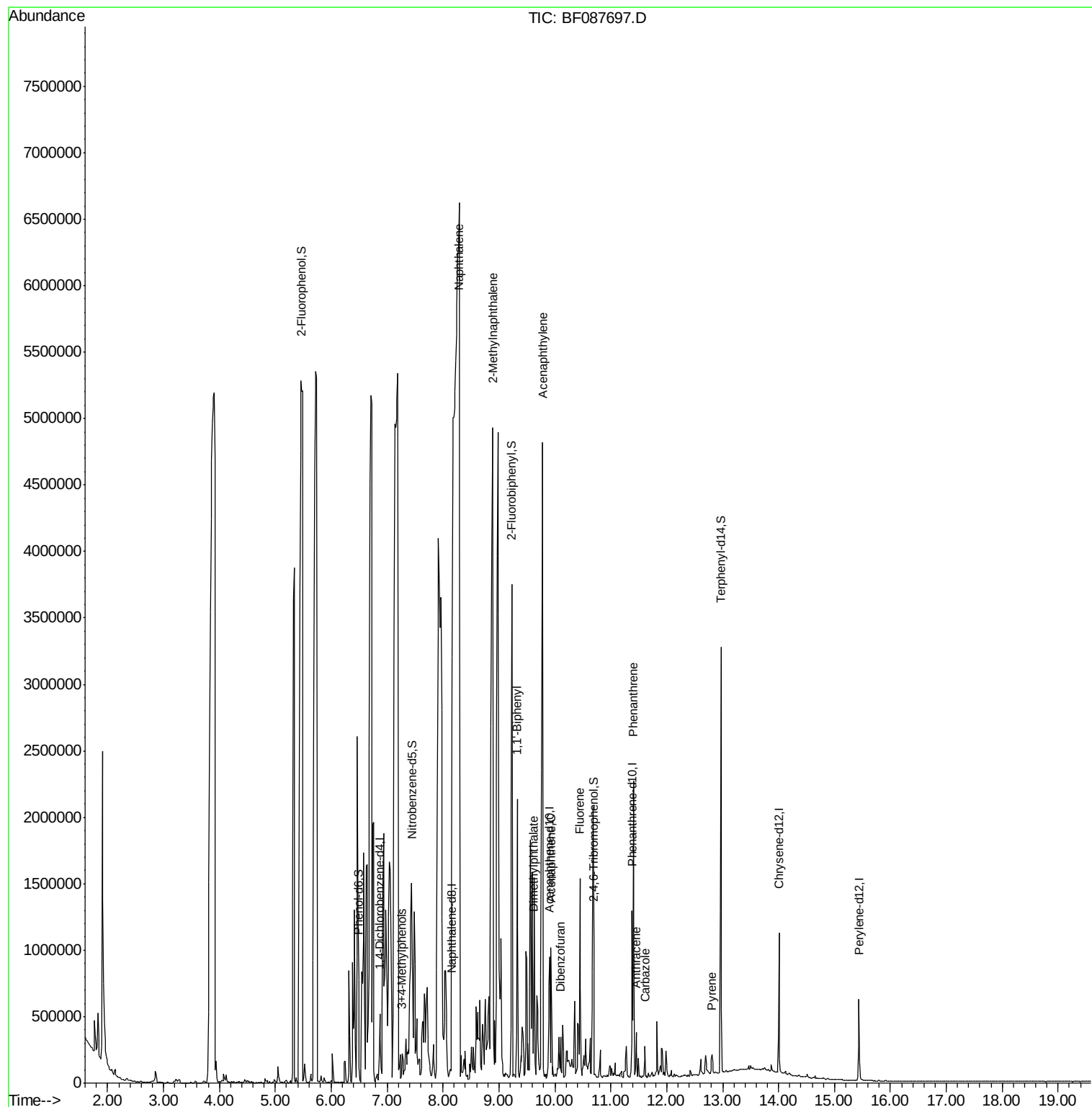
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	130332	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	123983	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	241678	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	439765	20.00	ng	0.00
75) Chrysene-d12	14.01	240	340713	20.00	ng	-0.01
86) Perylene-d12	15.44	264	264901	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	158691	19.68	ng	0.01
7) Phenol-d6	6.49	99	355706	35.17	ng	0.00
23) Nitrobenzene-d5	7.44	82	824033	384.54	ng	0.01
41) 2,4,6-Tribromophenol	10.70	330	333701	137.55	ng	0.01
44) 2-Fluorobiphenyl	9.23	172	1401090	91.12	ng	0.00
78) Terphenyl-d14	12.97	244	1092175	78.22	ng	0.00
Target Compounds						Qvalue
20) 3+4-Methylphenols	7.27	107	29058	3.18	ng	93
31) Naphthalene	8.28	128	19390474	3216.64	ng	# 93
37) 2-Methylnaphthalene	8.89	142	3291138	826.75	ng	# 91
45) 1,1'-Biphenyl	9.32	154	853318	43.51	ng	100
48) Acenaphthylene	9.78	152	3627109	148.96	ng	96
49) Dimethylphthalate	9.62	163	50078	2.85	ng	# 93
51) Acenaphthene	9.93	154	239405	15.28	ng	99
54) Dibenzofuran	10.10	168	72144	3.38	ng	# 89
57) Fluorene	10.44	166	594379	35.65	ng	98
70) Phenanthrene	11.40	178	1024806	42.98	ng	99
71) Anthracene	11.45	178	162432	6.80	ng	98
72) Carbazole	11.61	167	111016	4.91	ng	96
77) Pyrene	12.81	202	55954	2.31	ng	99

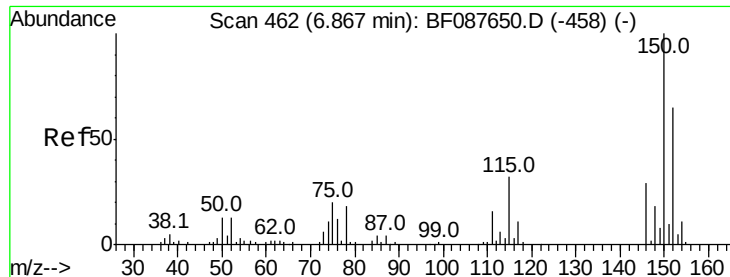
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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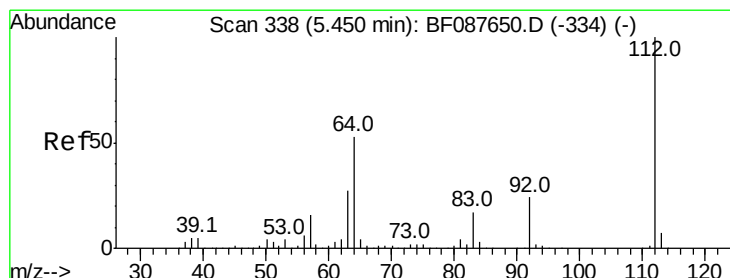
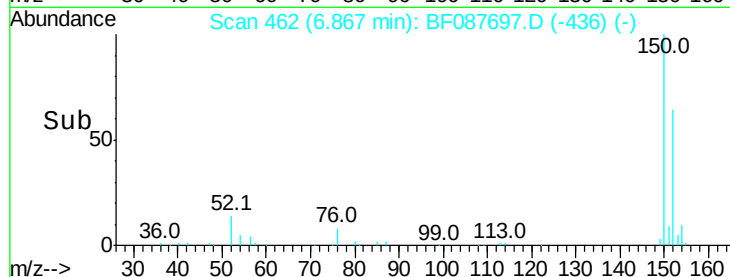
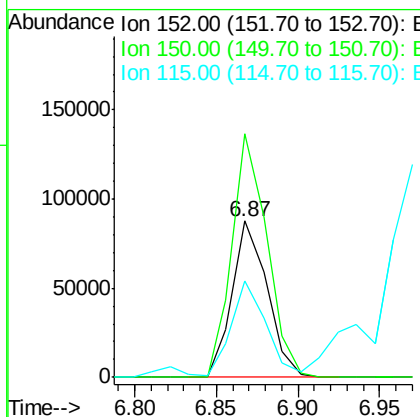
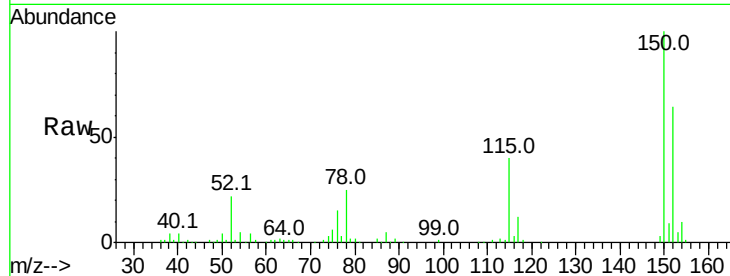


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 462
Delta R.T. -0.00 min
Lab File: BF087697.D
Acq: 5 Jun 2016 9:11

Instrument :
BNA_F
ClientSampleId :
MW-14

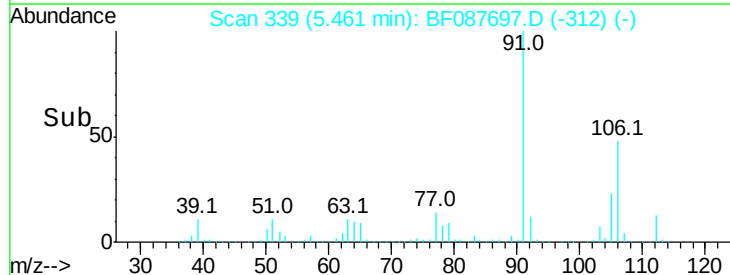
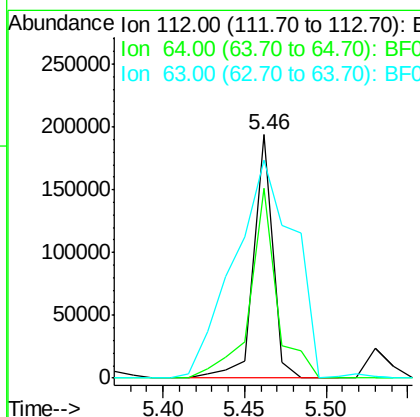
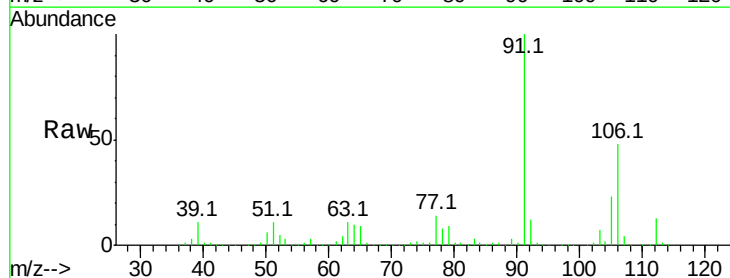
Tot Ion:152 Resp: 130332
Ion Ratio Lower Upper
152 100
150 156.0 123.8 185.6
115 61.9 39.6 59.4#

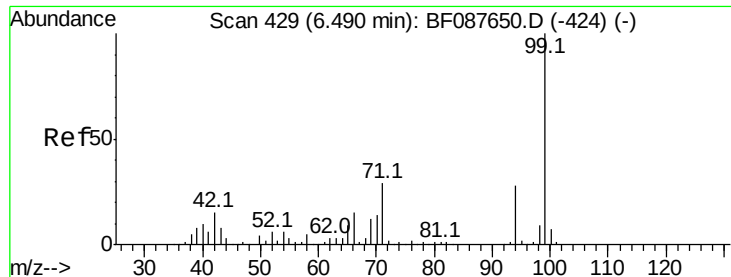


#5

2-Fluorophenol
Concen: 19.68 ng
RT: 5.46 min Scan# 339
Delta R.T. 0.01 min
Lab File: BF087697.D
Acq: 5 Jun 2016 9:11

Tgt Ion:112 Resp: 158691
Ion Ratio Lower Upper
112 100
64 77.8 42.2 63.2#
63 89.6 21.8 32.8#





#7

Phenol-d6

Concen: 35.17 ng

RT: 6.49 min Scan# 429

Delta R.T. -0.00 min

Lab File: BF087697.D

Acq: 5 Jun 2016 9:11

Instrument :

BNA_F

ClientSampled :

MW-14

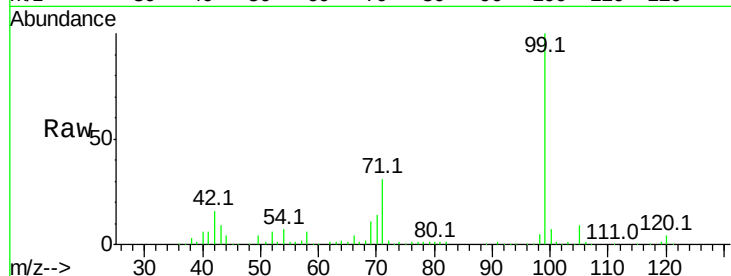
Tot Ion: 99 Resp: 355706

Ion Ratio Lower Upper

99 100

42 16.0 12.2 18.2

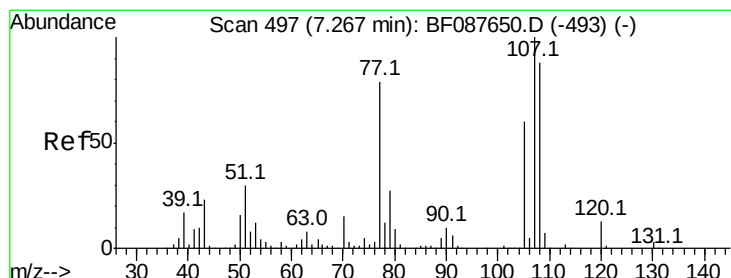
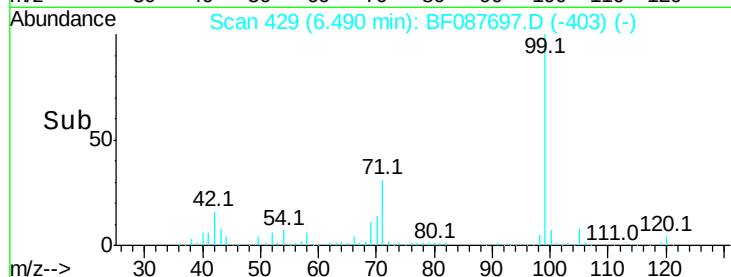
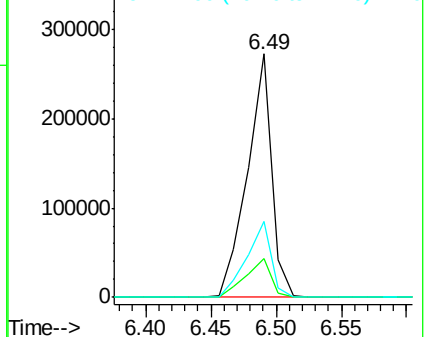
71 31.0 23.4 35.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#20

3+4-Methylphenols

Concen: 3.18 ng

RT: 7.27 min Scan# 497

Delta R.T. -0.00 min

Lab File: BF087697.D

Acq: 5 Jun 2016 9:11

Tgt Ion: 107 Resp: 29058

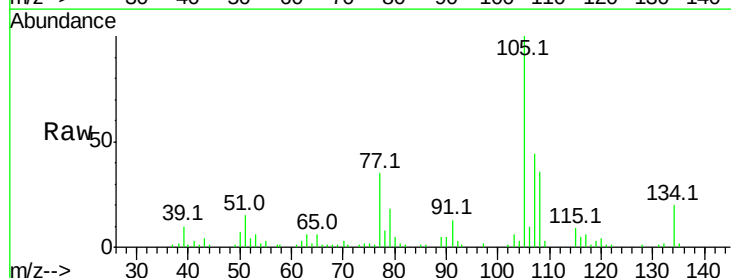
Ion Ratio Lower Upper

107 100

108 81.8 67.8 107.8

77 79.1 59.3 99.3

79 41.6 7.0 47.0

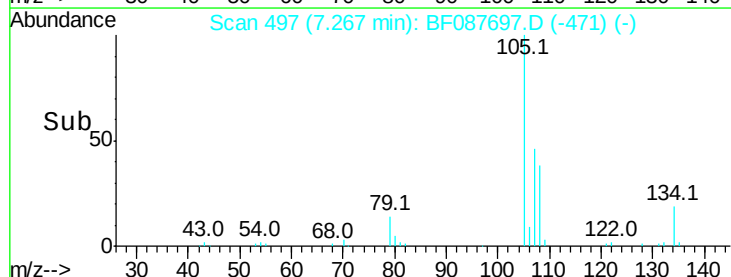
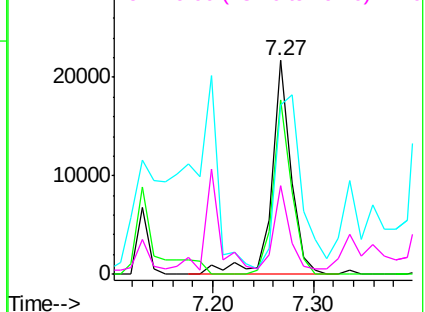


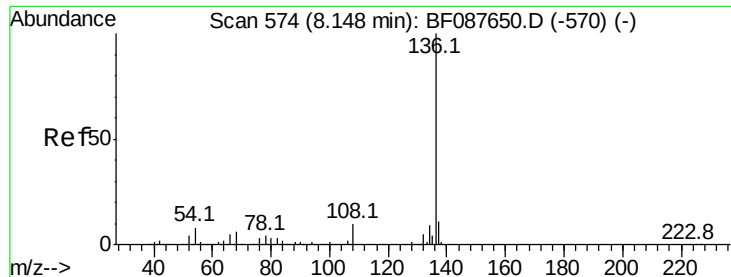
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

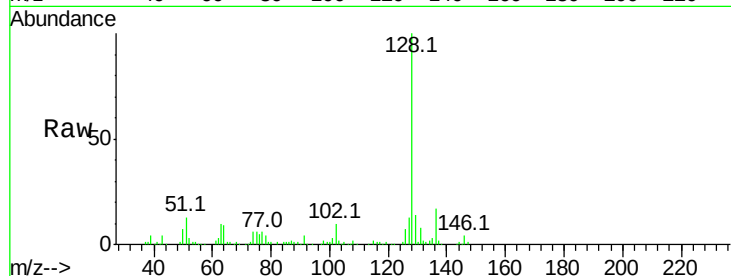




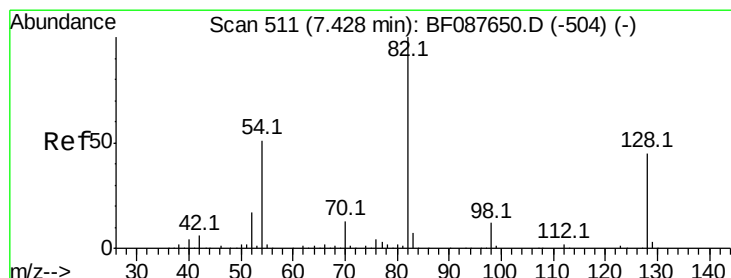
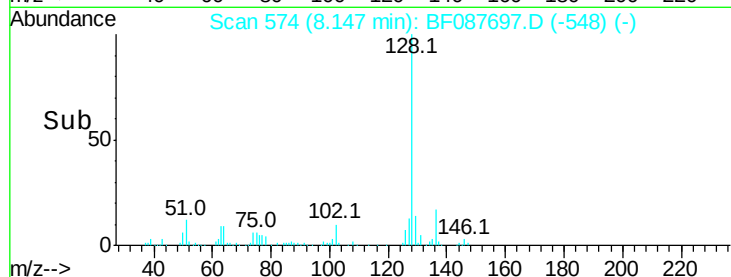
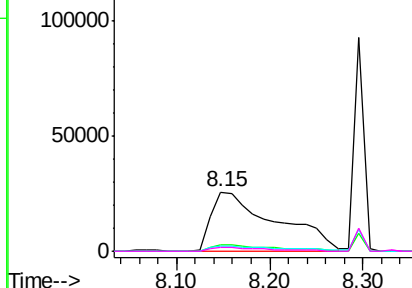
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 574
Delta R.T. -0.00 min
Lab File: BF087697.D
Acq: 5 Jun 2016 9:11

Instrument :
BNA_F
ClientSampleId :
MW-14

Tot Ion:136	Resp:	123983
Ion Ratio	Lower	Upper
136 100		
137 11.1	9.1	13.7
54 9.0	6.6	10.0
68 6.2	5.1	7.7

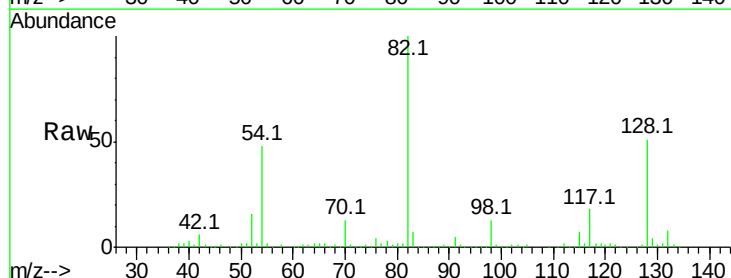


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

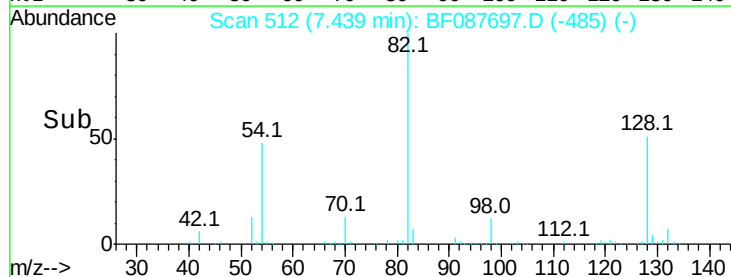
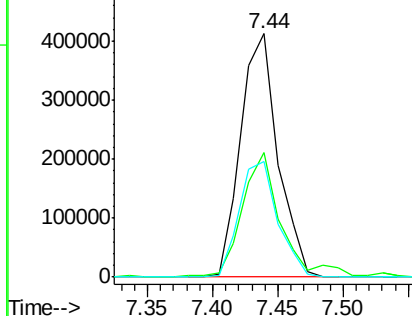


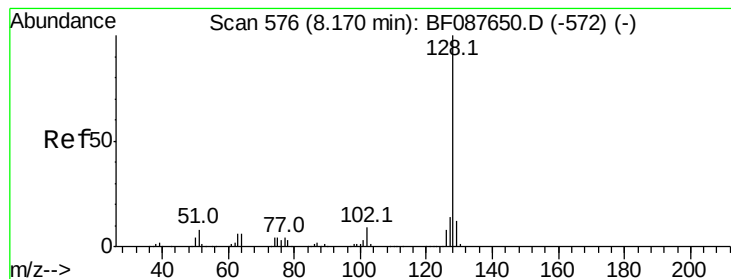
#23
Nitrobenzene-d5
Concen: 384.54 ng
RT: 7.44 min Scan# 512
Delta R.T. 0.01 min
Lab File: BF087697.D
Acq: 5 Jun 2016 9:11

Tgt Ion: 82	Resp:	824033
Ion Ratio	Lower	Upper
82 100		
128 51.4	35.9	53.9
54 47.7	40.9	61.3



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 3216.64 ng

RT: 8.28 min Scan# 586

Delta R.T. 0.11 min

Lab File: BF087697.D

Acq: 5 Jun 2016 9:11

Instrument :

BNA_F

ClientSampleId :

MW-14

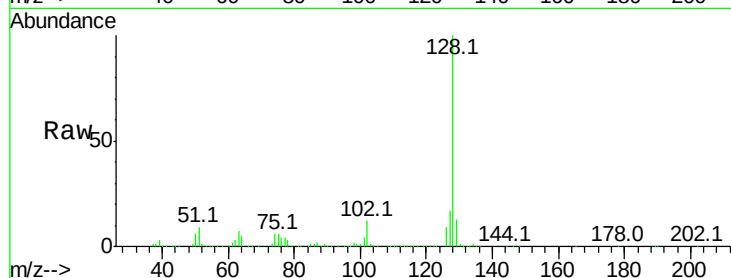
Tot Ion:128 Resp:19390474

Ion Ratio Lower Upper

128 100

129 13.5 9.4 14.2

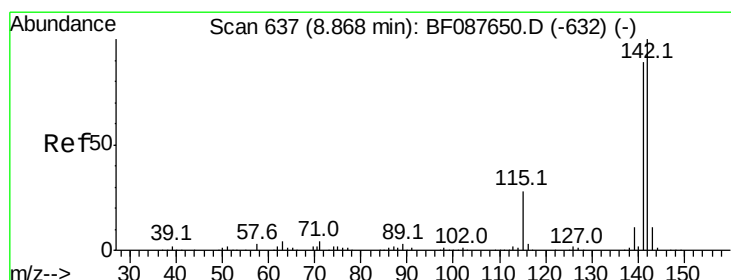
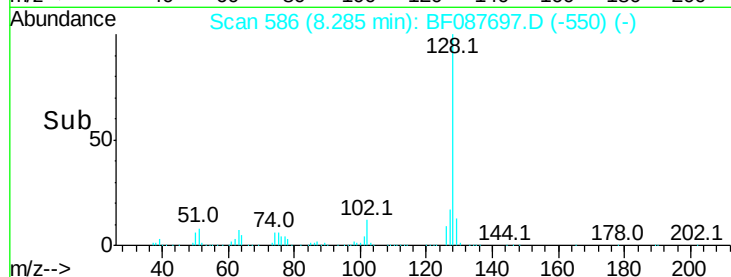
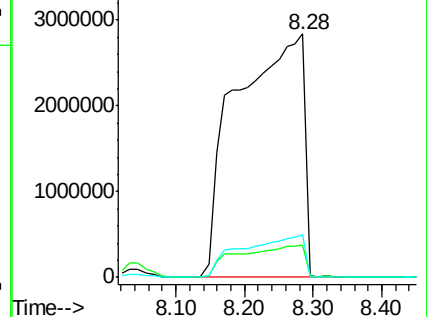
127 17.4 10.9 16.3#



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: 826.75 ng

RT: 8.89 min Scan# 639

Delta R.T. 0.02 min

Lab File: BF087697.D

Acq: 5 Jun 2016 9:11

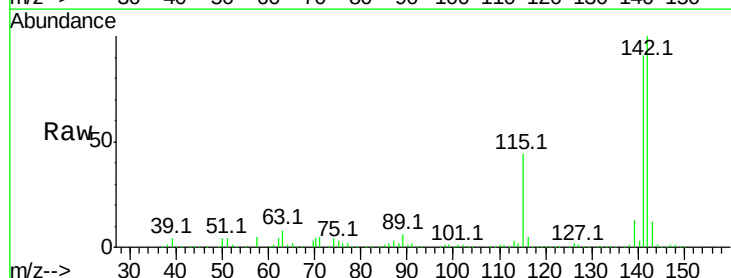
Tgt Ion:142 Resp: 3291138

Ion Ratio Lower Upper

142 100

141 90.7 71.0 106.6

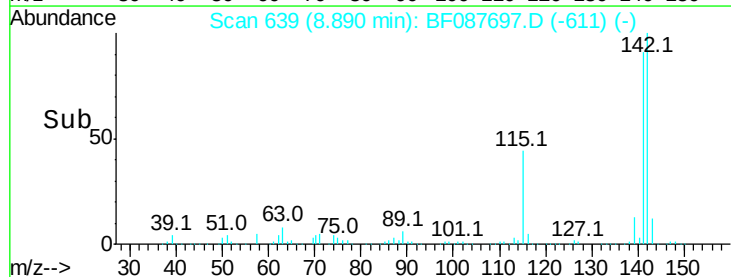
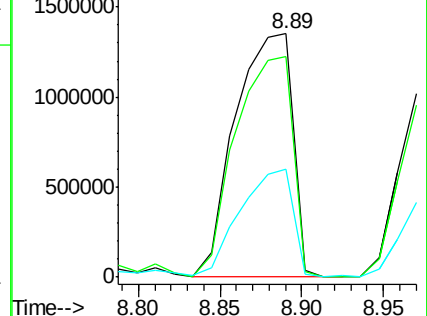
115 44.2 22.6 33.8#

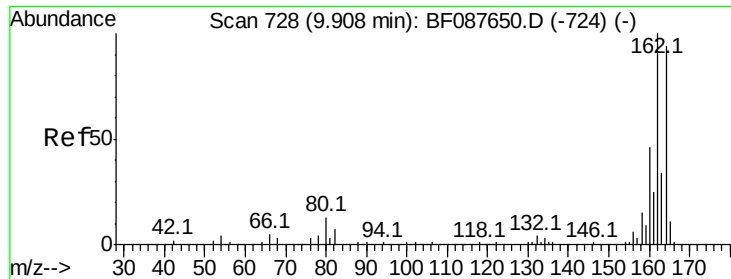


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

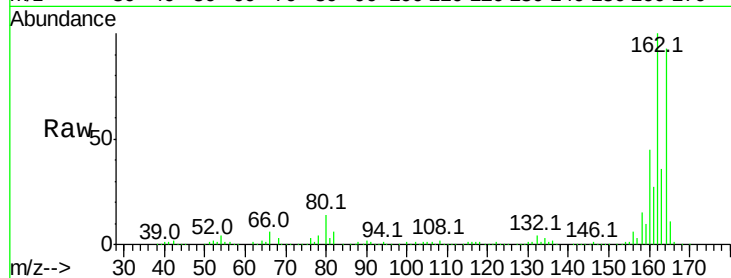




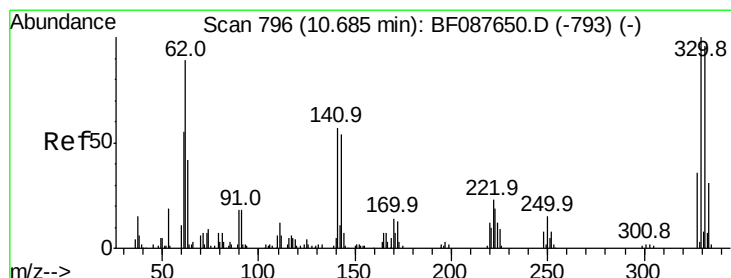
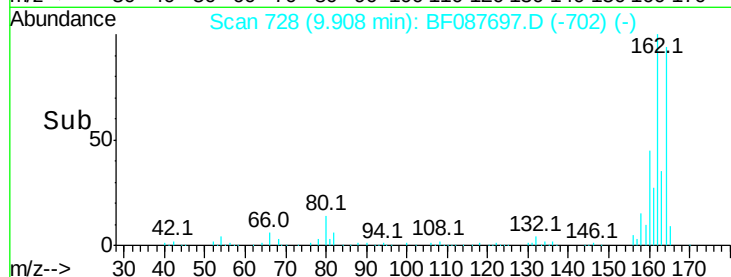
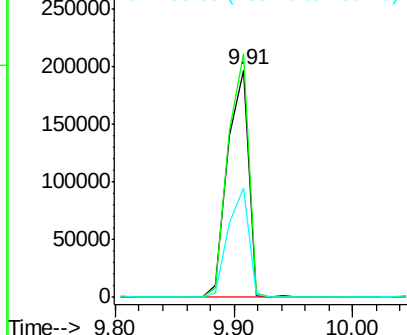
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.91 min Scan# 728
Delta R.T. -0.00 min
Lab File: BF087697.D
Acq: 5 Jun 2016 9:11

Instrument :
BNA_F
ClientSampleId :
MW-14

Tot Ion:164 Resp: 241678
Ion Ratio Lower Upper
164 100
162 107.2 85.4 128.2
160 48.3 39.5 59.3

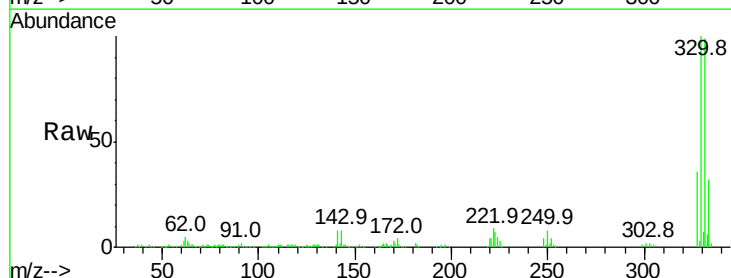


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

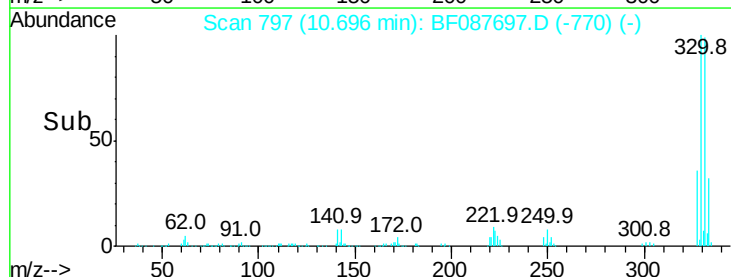
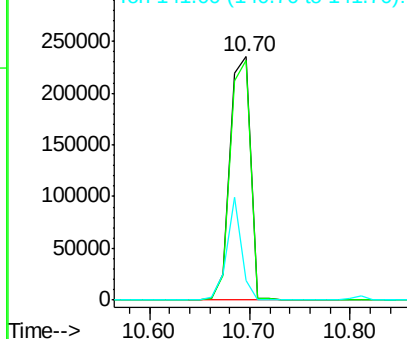


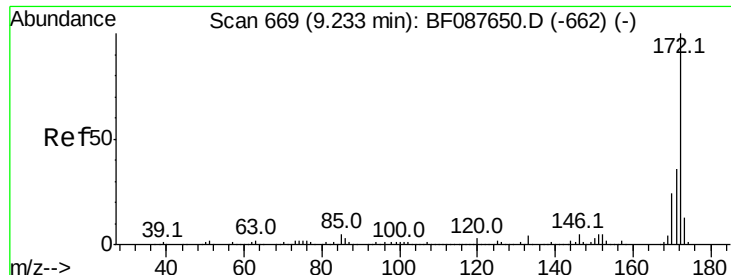
#41
2,4,6-Tribromophenol
Concen: 137.55 ng
RT: 10.70 min Scan# 797
Delta R.T. 0.01 min
Lab File: BF087697.D
Acq: 5 Jun 2016 9:11

Tgt Ion:330 Resp: 333701
Ion Ratio Lower Upper
330 100
332 97.6 0.0 0.0#
141 30.3 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

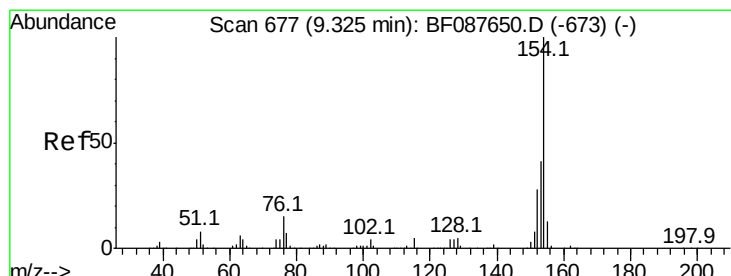
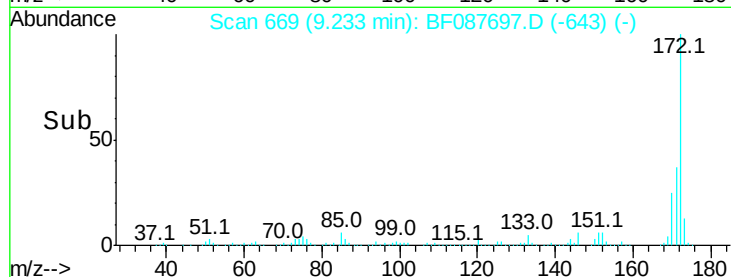
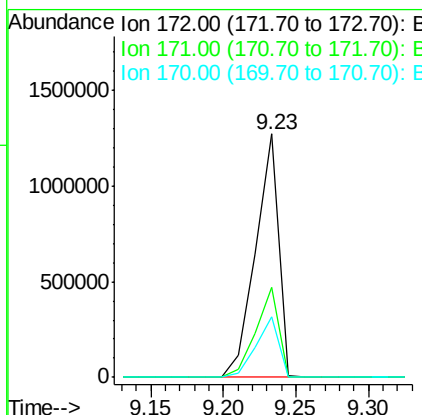
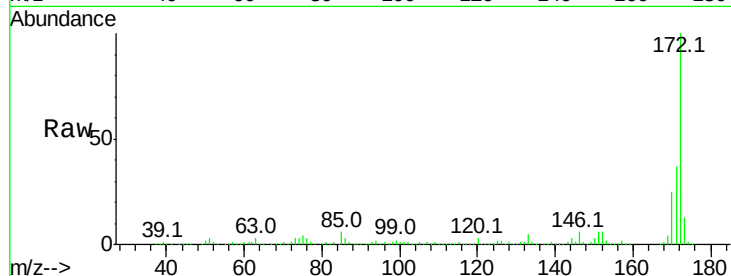




#44
2-Fluorobiphenyl
Concen: 91.12 ng
RT: 9.23 min Scan# 669
Delta R.T. 0.00 min
Lab File: BF087697.D
Acq: 5 Jun 2016 9:11

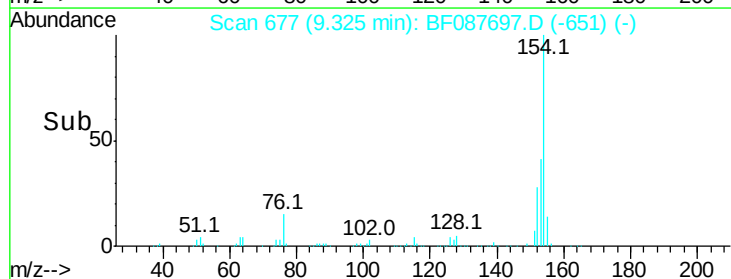
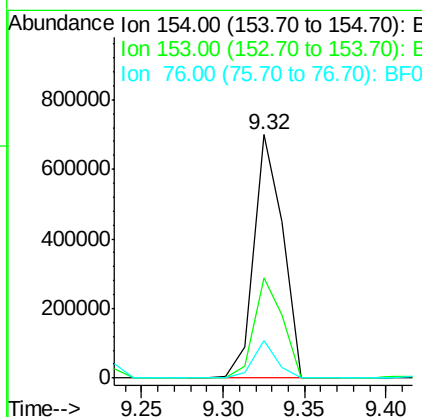
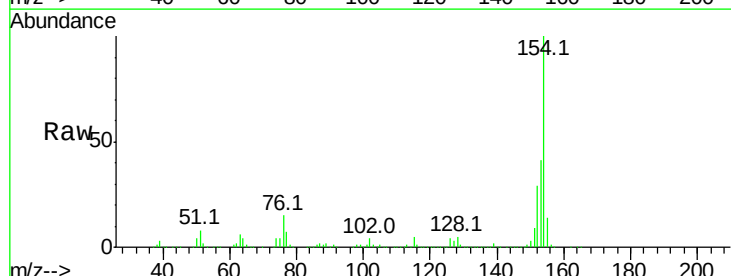
Instrument :
BNA_F
ClientSampleId :
MW-14

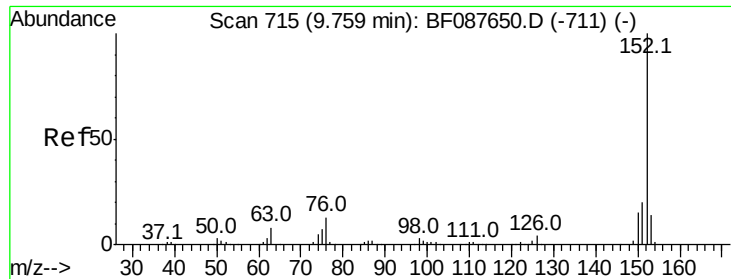
Tot Ion:172 Resp: 1401090
Ion Ratio Lower Upper
172 100
171 37.0 28.6 43.0
170 25.1 19.2 28.8



#45
1,1'-Biphenyl
Concen: 43.51 ng
RT: 9.32 min Scan# 677
Delta R.T. 0.00 min
Lab File: BF087697.D
Acq: 5 Jun 2016 9:11

Tgt Ion:154 Resp: 853318
Ion Ratio Lower Upper
154 100
153 40.9 20.6 60.6
76 15.2 0.0 35.1





#48

Acenaphthylene

Concen: 148.96 ng

RT: 9.78 min Scan# 717

Delta R.T. 0.02 min

Lab File: BF087697.D

Acq: 5 Jun 2016 9:11

Instrument :

BNA_F

ClientSampleId :

MW-14

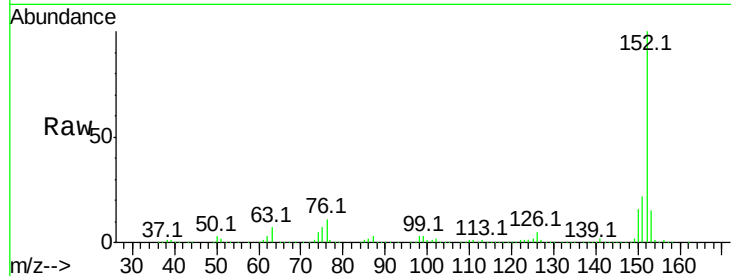
Tot Ion:152 Resp: 3627109

Ion Ratio Lower Upper

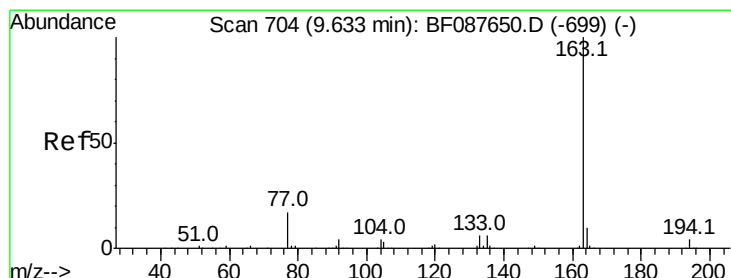
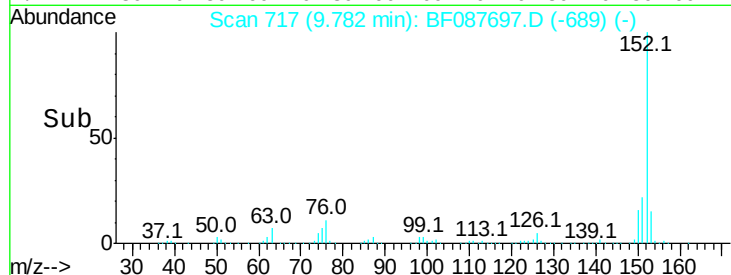
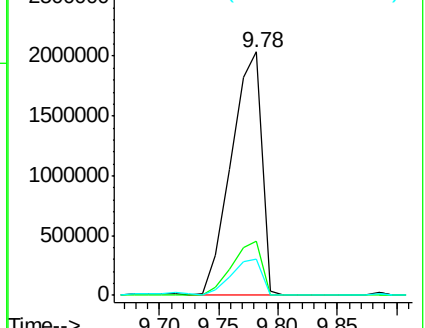
152 100

151 22.3 16.2 24.4

153 15.0 11.0 16.6



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



#49

Dimethylphthalate

Concen: 2.85 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.01 min

Lab File: BF087697.D

Acq: 5 Jun 2016 9:11

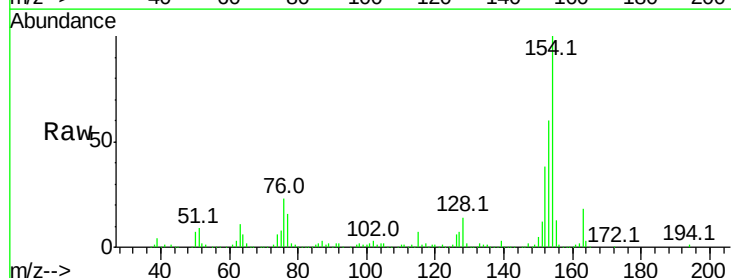
Tgt Ion:163 Resp: 50078

Ion Ratio Lower Upper

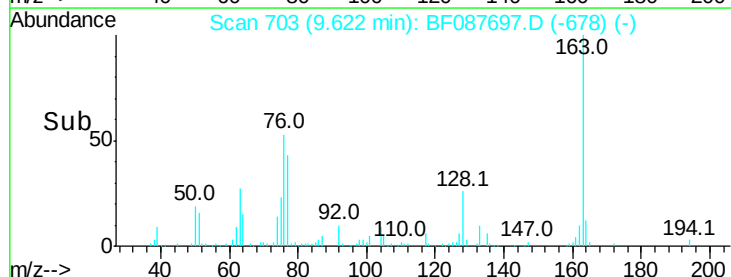
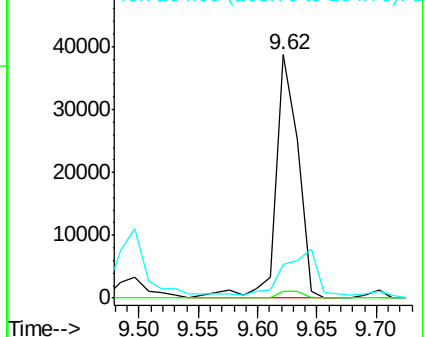
163 100

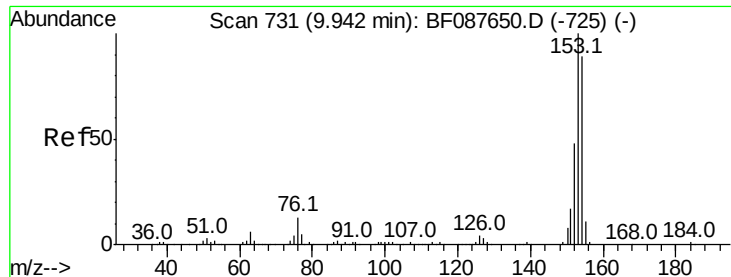
194 2.7 2.8 4.2#

164 13.8 8.3 12.5#



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





#51

Acenaphthene

Concen: 15.28 ng

RT: 9.93 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF087697.D

Acq: 5 Jun 2016 9:11

Instrument :

BNA_F

ClientSampleId :

MW-14

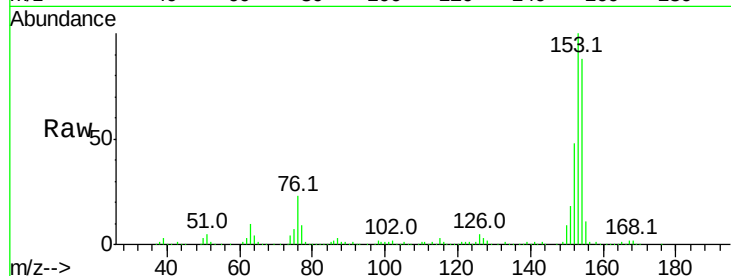
Tot Ion:154 Resp: 239405

Ion Ratio Lower Upper

154 100

153 113.6 89.5 134.3

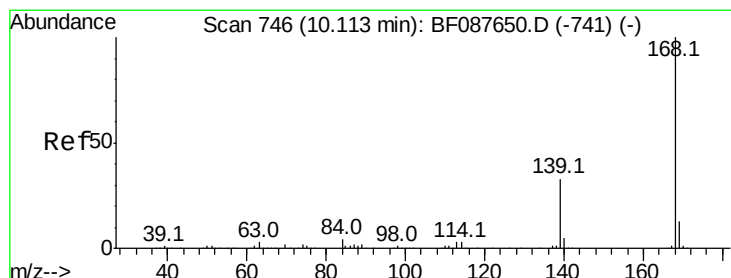
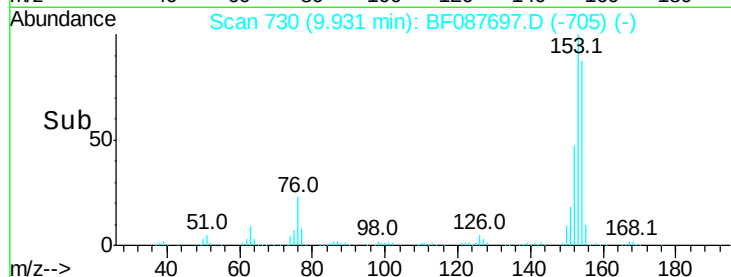
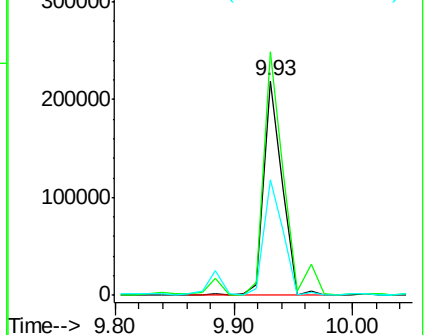
152 54.2 42.7 64.1



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: 3.38 ng

RT: 10.10 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF087697.D

Acq: 5 Jun 2016 9:11

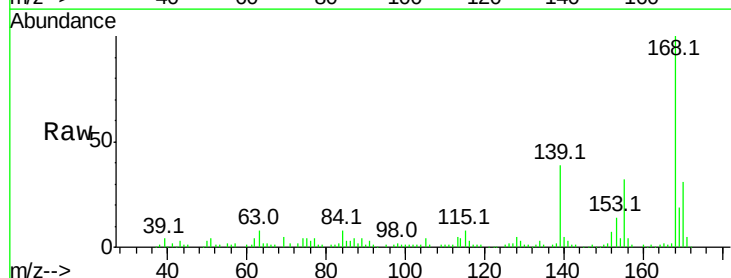
Tgt Ion:168 Resp: 72144

Ion Ratio Lower Upper

168 100

139 38.7 26.4 39.6

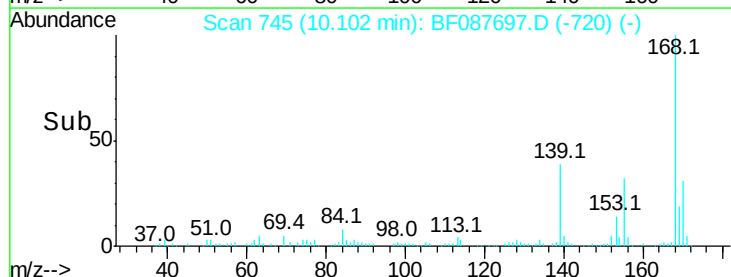
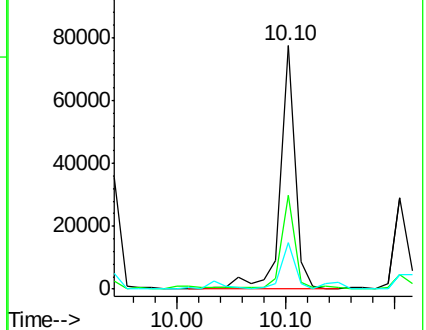
169 18.8 10.4 15.6#

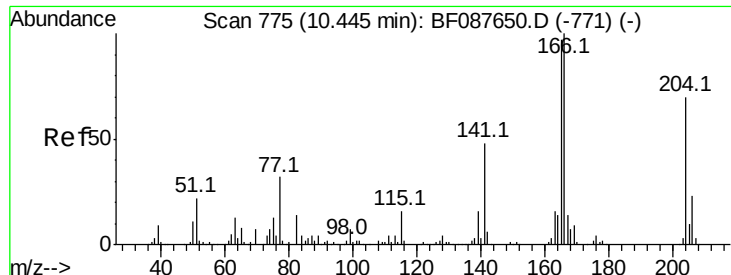


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

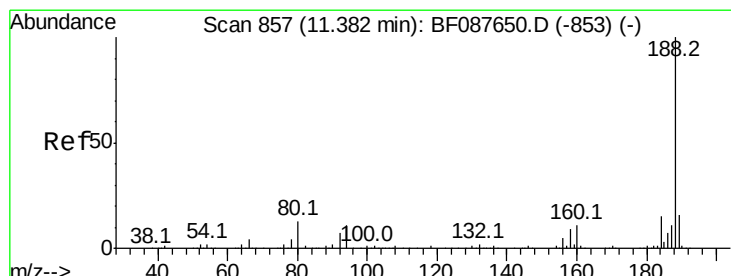
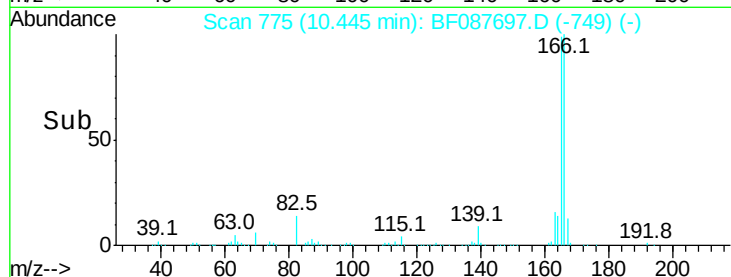
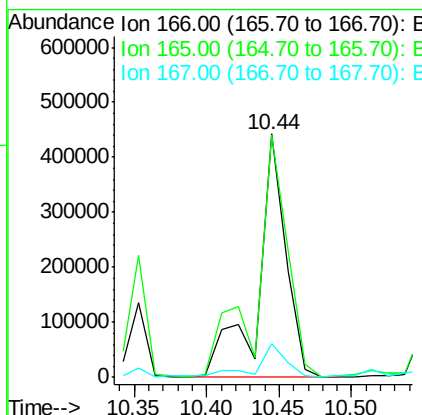
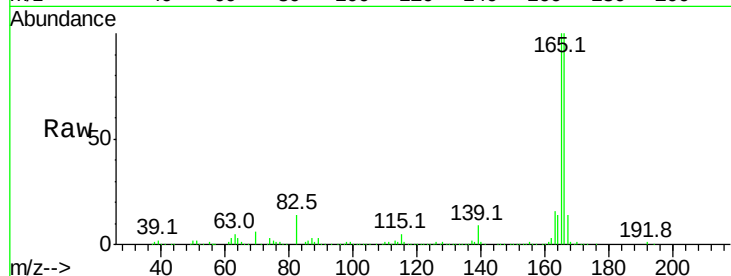




#57
Fluorene
 Concen: 35.65 ng
 RT: 10.44 min Scan# 775
 Delta R.T. 0.00 min
 Lab File: BF087697.D
 Acq: 5 Jun 2016 9:11

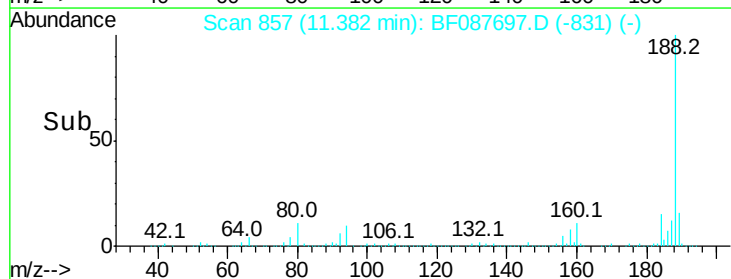
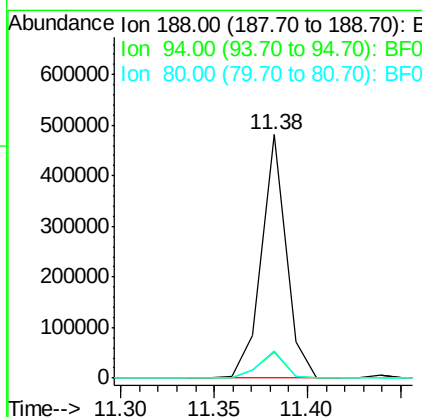
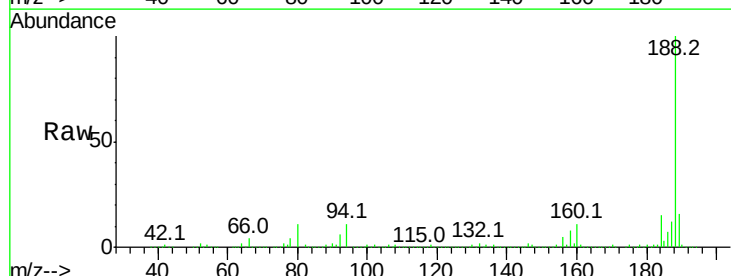
Instrument :
 BNA_F
 ClientSampleId :
 MW-14

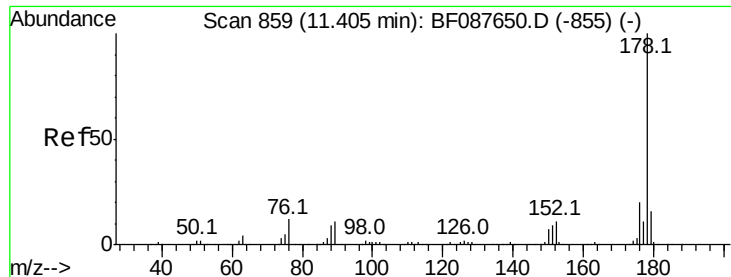
Tot Ion	Ratio	Lower	Upper
166	100		
165	99.5	77.8	116.8
167	13.6	11.2	16.8



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.38 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: BF087697.D
 Acq: 5 Jun 2016 9:11

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	9.0	13.6
80	11.1	10.0	15.0

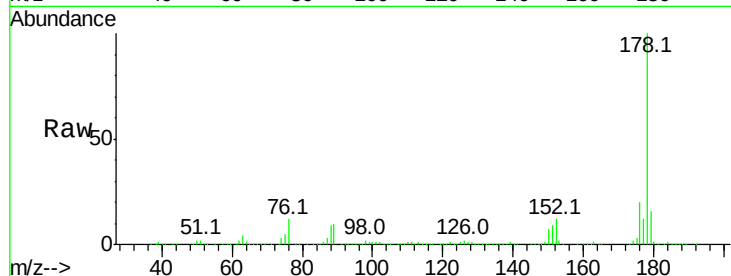




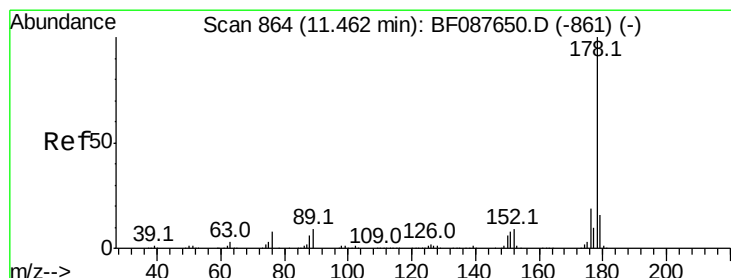
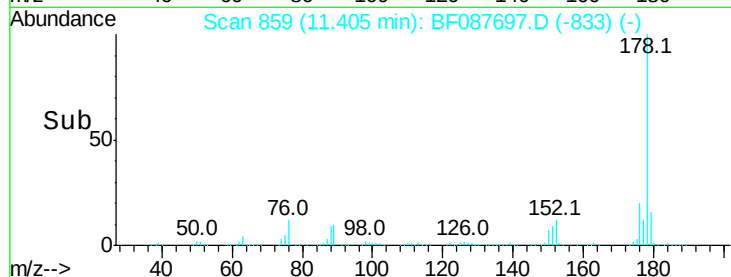
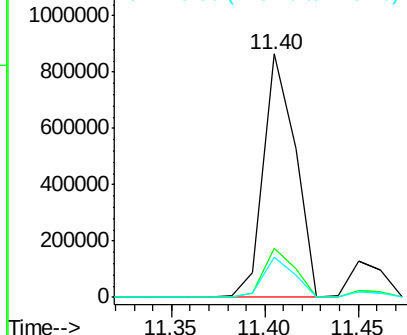
#70
Phenanthrene
Concen: 42.98 ng
RT: 11.40 min Scan# 859
Delta R.T. -0.00 min
Lab File: BF087697.D
Acq: 5 Jun 2016 9:11

Instrument :
BNA_F
ClientSampleId :
MW-14

Tot Ion:178 Resp: 1024806
Ion Ratio Lower Upper
178 100
176 20.2 15.8 23.6
179 16.2 13.0 19.4

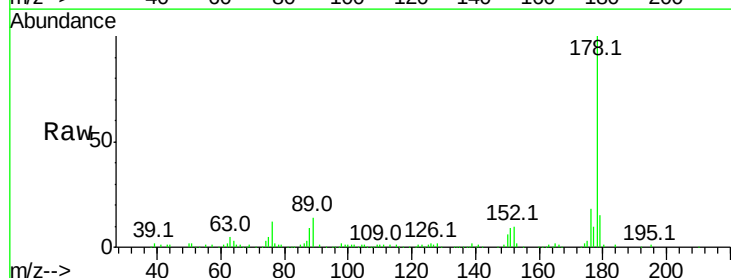


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

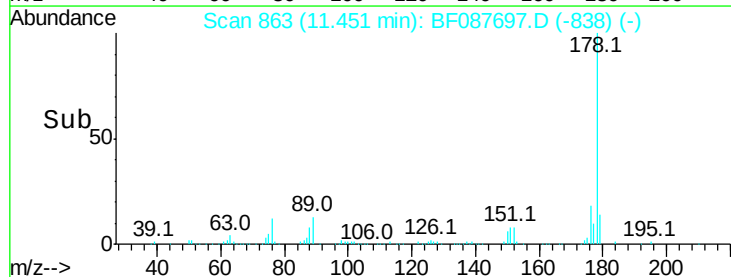
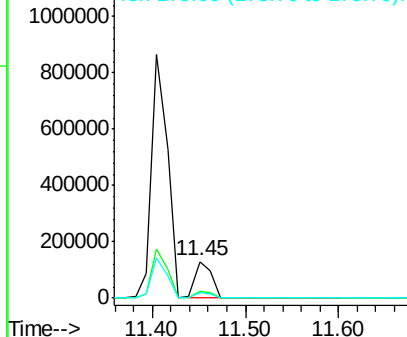


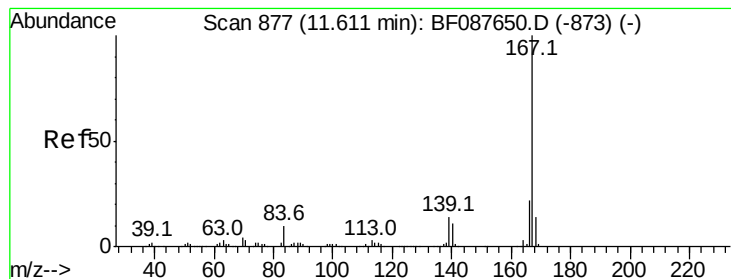
#71
Anthracene
Concen: 6.80 ng
RT: 11.45 min Scan# 863
Delta R.T. -0.01 min
Lab File: BF087697.D
Acq: 5 Jun 2016 9:11

Tgt Ion:178 Resp: 162432
Ion Ratio Lower Upper
178 100
176 18.5 15.6 23.4
179 15.4 12.8 19.2



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: 4.91 ng

RT: 11.61 min Scan# 877

Delta R.T. -0.00 min

Lab File: BF087697.D

Acq: 5 Jun 2016 9:11

Instrument :

BNA_F

ClientSampleId :

MW-14

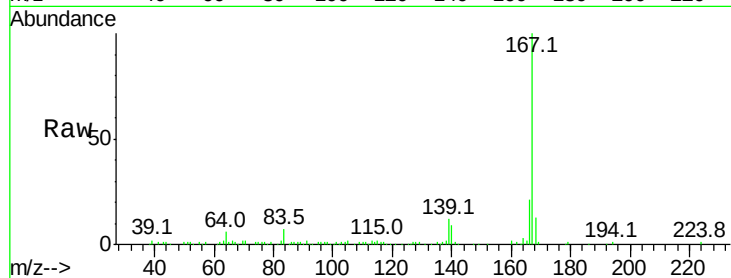
Tot Ion:167 Resp: 111016

Ion Ratio Lower Upper

167 100

166 20.9 17.8 26.6

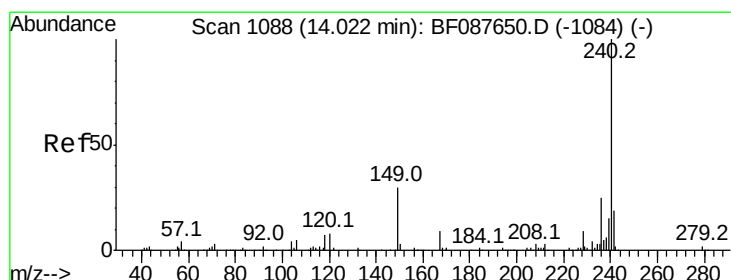
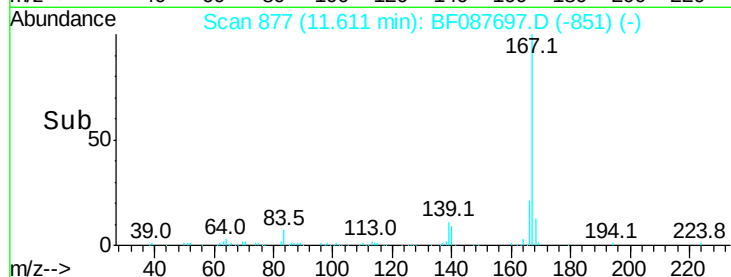
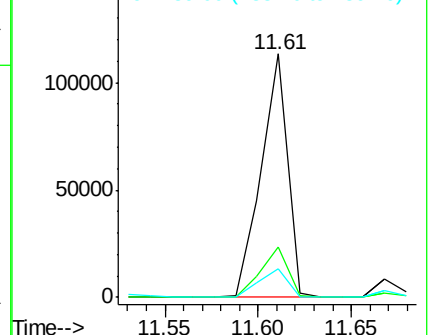
139 11.6 11.2 16.8



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1087

Delta R.T. -0.01 min

Lab File: BF087697.D

Acq: 5 Jun 2016 9:11

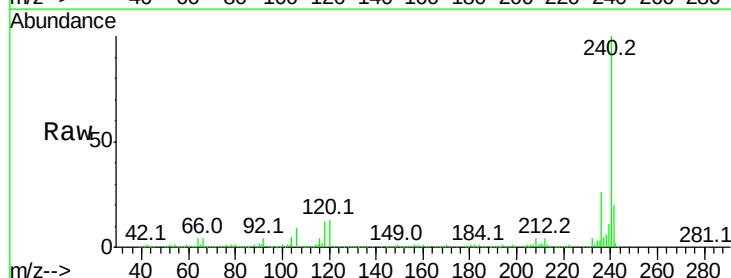
Tgt Ion:240 Resp: 340713

Ion Ratio Lower Upper

240 100

120 13.5 6.8 10.2#

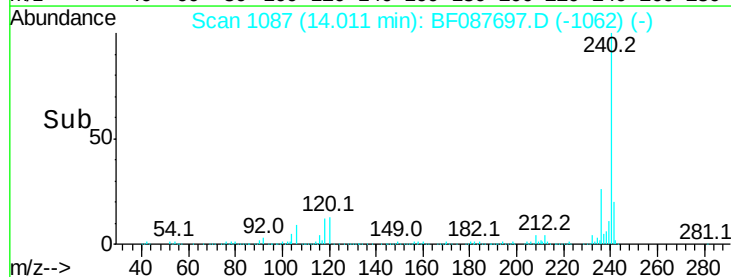
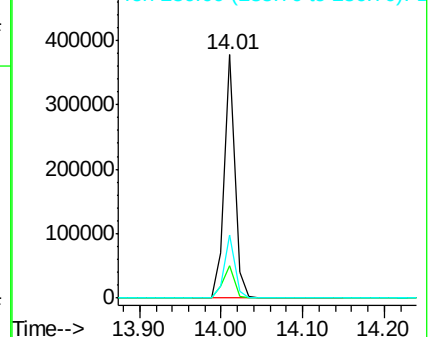
236 26.2 20.2 30.2

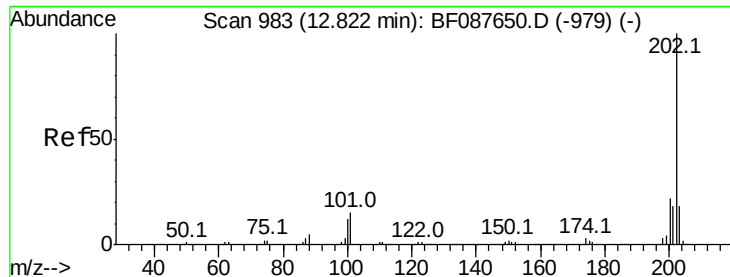


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

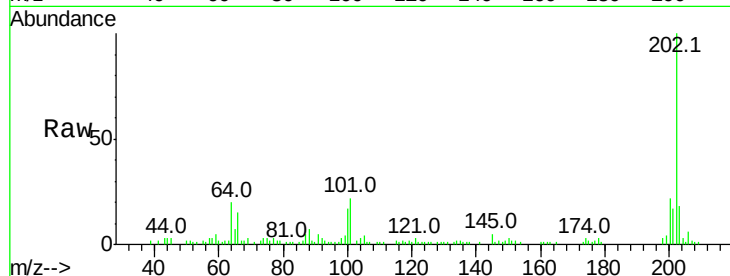




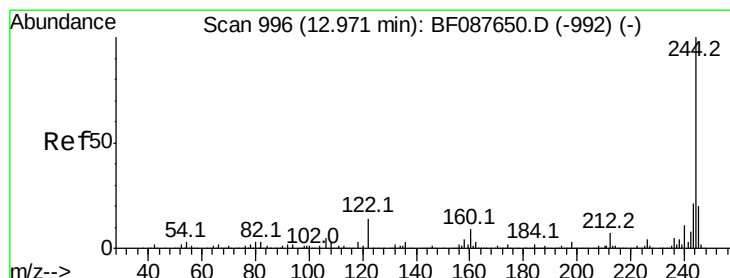
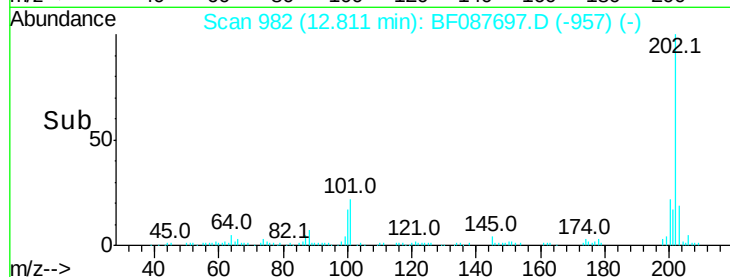
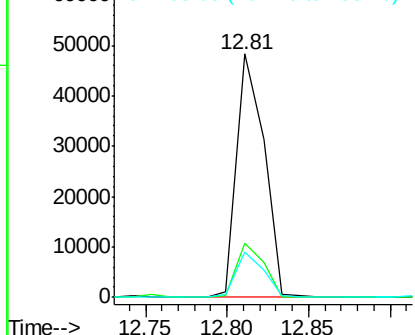
#77
Pvrene
Concen: 2.31 ng
RT: 12.81 min Scan# 982
Delta R.T. -0.01 min
Lab File: BF087697.D
Acq: 5 Jun 2016 9:11

Instrument :
BNA_F
ClientSampleId :
MW-14

Tot Ion:202 Resp: 55954
Ion Ratio Lower Upper
202 100
200 22.2 17.4 26.2
203 18.4 14.5 21.7

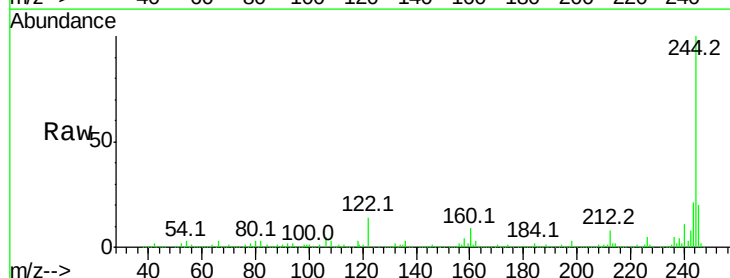


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

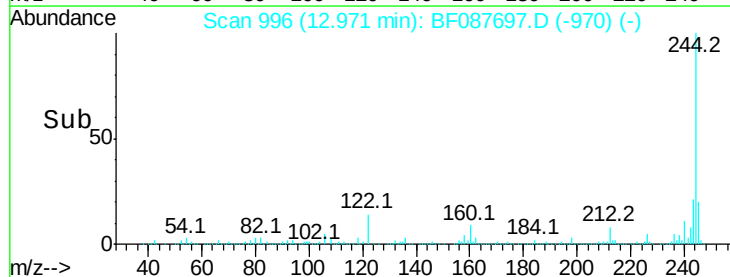
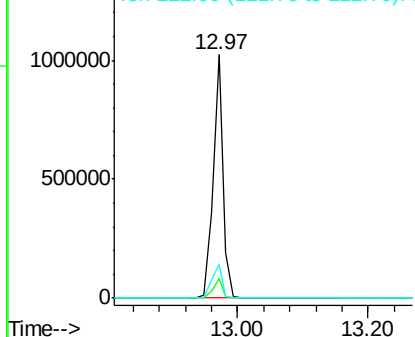


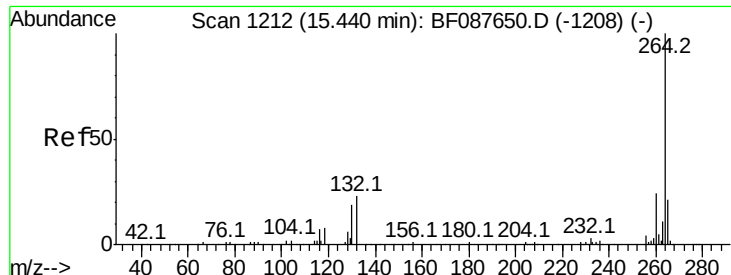
#78
Terphenyl-d14
Concen: 78.22 ng
RT: 12.97 min Scan# 996
Delta R.T. 0.00 min
Lab File: BF087697.D
Acq: 5 Jun 2016 9:11

Tgt Ion:244 Resp: 1092175
Ion Ratio Lower Upper
244 100
212 7.8 6.0 9.0
122 14.0 11.2 16.8



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



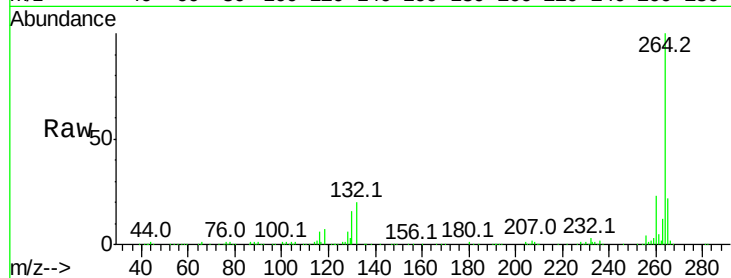


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1212
Delta R.T. -0.00 min
Lab File: BF087697.D
Acq: 5 Jun 2016 9:11

Instrument :
BNA_F
ClientSampleId :
MW-14

Tot Ion:264 Resp: 264901

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.7	16.9	25.3



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

