

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010816\
 Data File : BF084346.D
 Acq On : 9 Jan 2016 1:26
 Operator : SJ/UM
 Sample : H1036-01
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-DRUM1

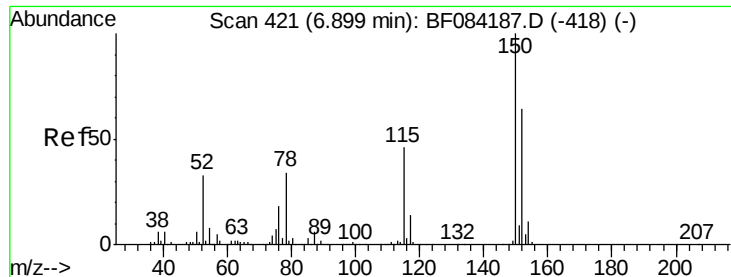
Quant Time: Jan 09 02:25:29 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	262502	20.00	ng	-0.05
21) Naphthalene-d8	8.14	136	1163084	20.00	ng	-0.05
38) Acenaphthene-d10	9.89	164	537076	20.00	ng	-0.06
63) Phenanthrene-d10	11.38	188	1016622	20.00	ng	-0.05
75) Chrysene-d12	14.01	240	729308	20.00	ng	-0.06
86) Perylene-d12	15.44	264	535050	20.00	ng	-0.07

System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1924474	118.58	ng	-0.01
7) Phenol-d6	6.51	99	2013585	98.79	ng	-0.02
23) Nitrobenzene-d5	7.42	82	1715862	82.11	ng	-0.05
41) 2,4,6-Tribromophenol	10.69	330	760295	140.22	ng	-0.05
44) 2-Fluorobiphenyl	9.22	172	2547914	83.33	ng	-0.05
78) Terphenyl-d14	12.97	244	2709350	82.92	ng	-0.05

Target Compounds						Qvalue
15) Benzyl Alcohol	7.01	79	44000	2.57	ng	# 53
19) n-Nitroso-di-n-propylamine	7.42	70	250253	18.14	ng	# 70
31) Naphthalene	8.17	128	2514348	47.65	ng	98
32) Benzoic acid	7.88	122	9841	6.93	ng	# 82
33) 4-Chloroaniline	8.17	127	364262	15.06	ng	# 33
37) 2-Methylnaphthalene	8.85	142	351325	9.27	ng	99
50) 2,6-Dinitrotoluene	9.89	165	71305	8.47	ng	# 38
51) Acenaphthene	9.93	154	305127	9.18	ng	98
54) Dibenzofuran	10.10	168	282585	3.85	ng	99
55) 4-Nitrophenol	10.10	139	109462	14.45	ng	# 12
56) 2,4-Dinitrotoluene	9.89	165	72303	6.78	ng	# 21
57) Fluorene	10.44	166	204734	3.98	ng	98
64) 4,6-Dinitro-2-methylphenol	10.69	198	1634	6.62	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	47042	4.30	ng	# 1
70) Phenanthrene	11.40	178	318401	5.99	ng	99
71) Anthracene	11.40	178	318401	6.11	ng	98
73) Di-n-butylphthalate	11.94	149	21673	Below Cal		# 94
76) Benzydine	12.72	184	66772	2.55	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.05 min

Lab File: BF084346.D

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ClientSampleId :

WC-DRUM1

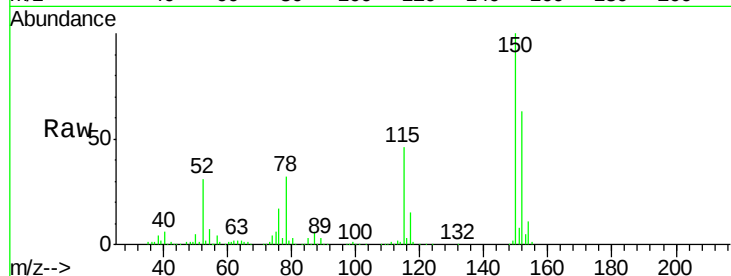
Tgt Ion:152 Resp: 262502

Ion Ratio Lower Upper

152 100

150 159.5 123.0 184.4

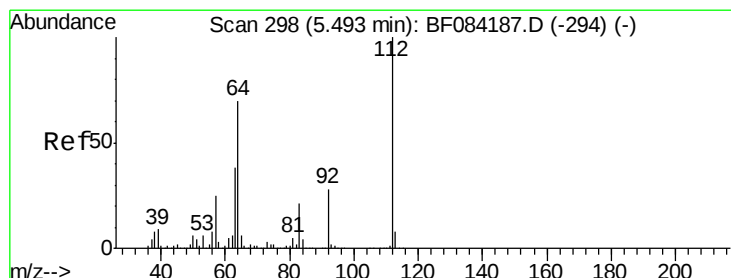
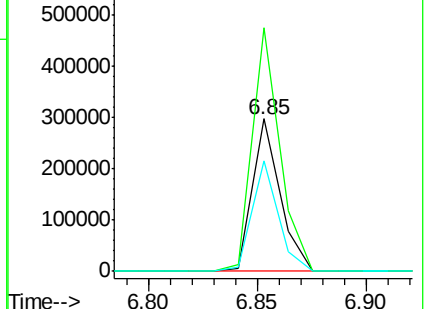
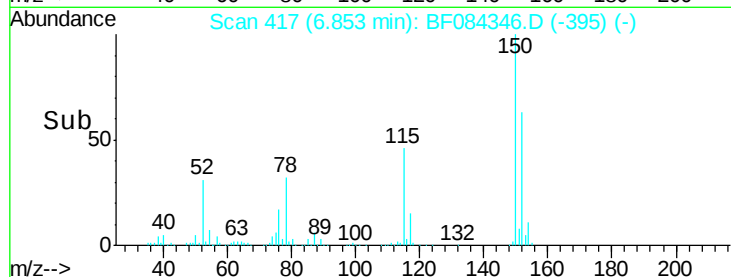
115 72.6 51.4 77.2



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: 118.58 ng

RT: 5.48 min Scan# 297

Delta R.T. -0.01 min

Lab File: BF084346.D

Acq: 9 Jan 2016 1:26

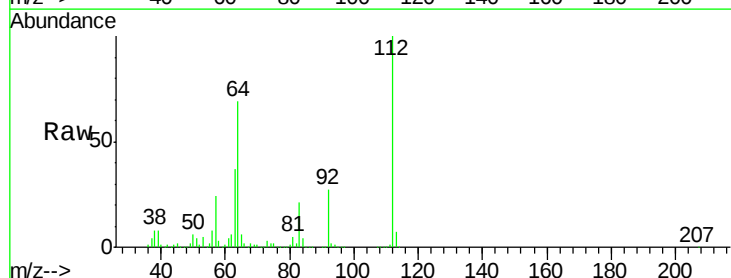
Tgt Ion:112 Resp: 1924474

Ion Ratio Lower Upper

112 100

64 69.4 36.6 55.0#

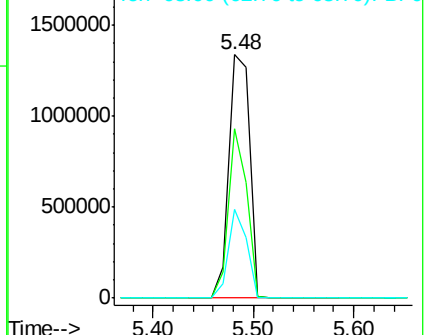
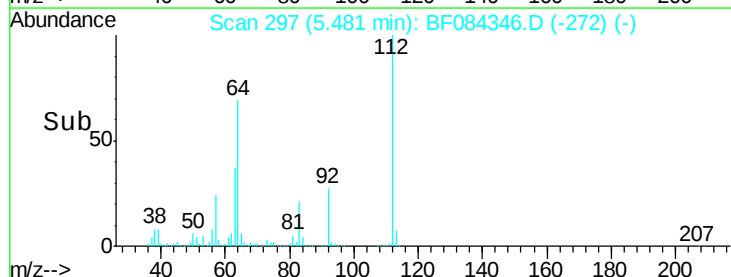
63 36.7 19.4 29.0#

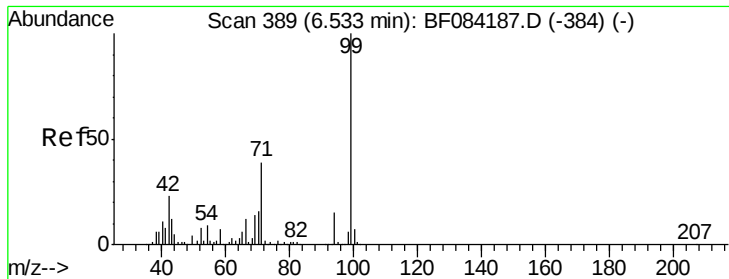


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 98.79 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF084346.D

Acq: 9 Jan 2016 1:26

Instrument :

BNA_F

ClientSampleId :

WC-DRUM1

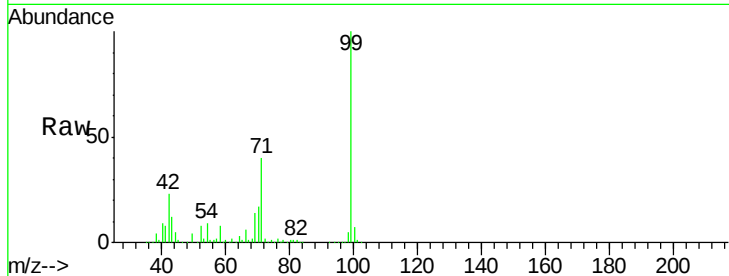
Tgt Ion: 99 Resp: 2013585

Ion Ratio Lower Upper

99 100

42 22.6 12.8 19.2#

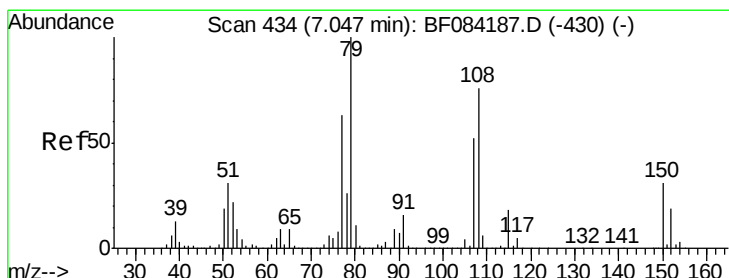
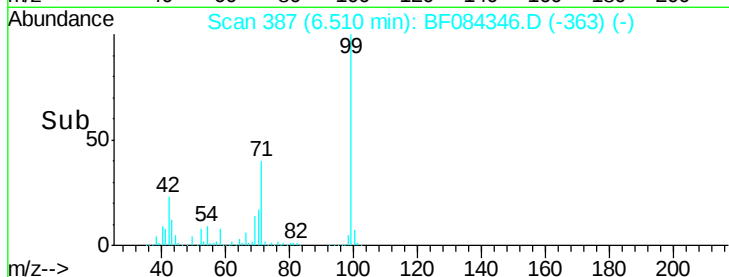
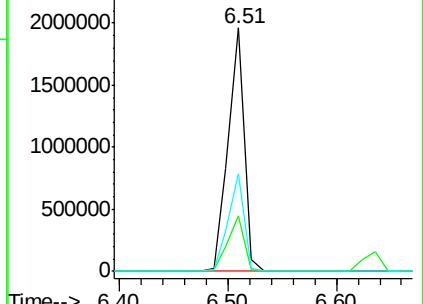
71 40.3 30.9 46.3



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



#15

Benzyl Alcohol

Concen: 2.57 ng

RT: 7.01 min Scan# 431

Delta R.T. -0.03 min

Lab File: BF084346.D

Acq: 9 Jan 2016 1:26

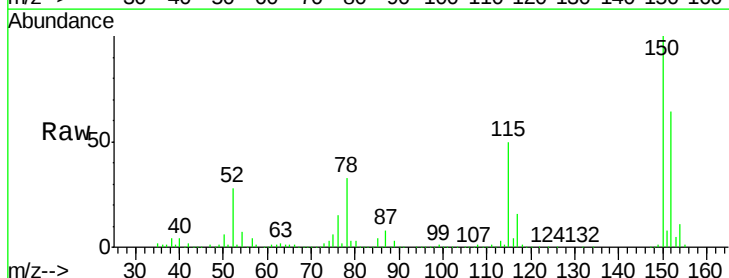
Tgt Ion: 79 Resp: 44000

Ion Ratio Lower Upper

79 100

108 36.7 69.0 103.4#

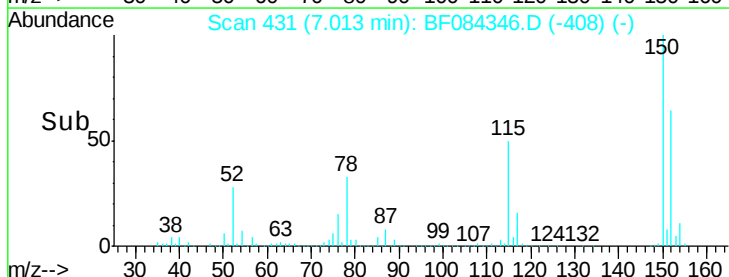
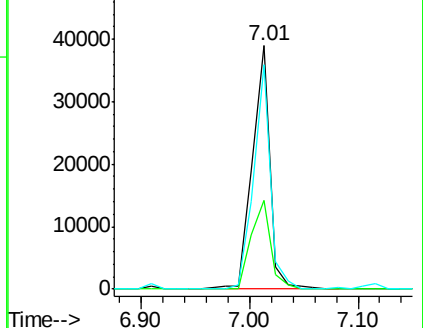
77 92.2 50.0 75.0#

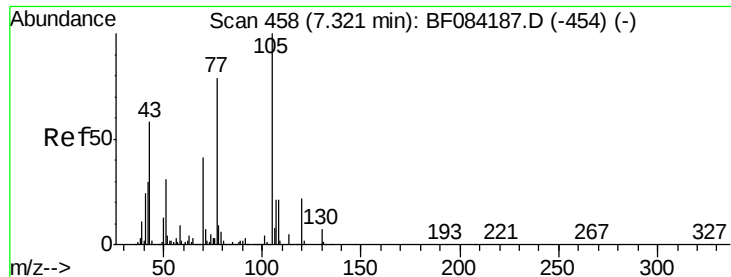


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 18.14 ng

RT: 7.42 min Scan# 467

Delta R.T. 0.10 min

Lab File: BF084346.D

Acq: 9 Jan 2016 1:26

Instrument :

BNA_F

ClientSampleId :

WC-DRUM1

Tgt Ion: 70 Resp: 250253

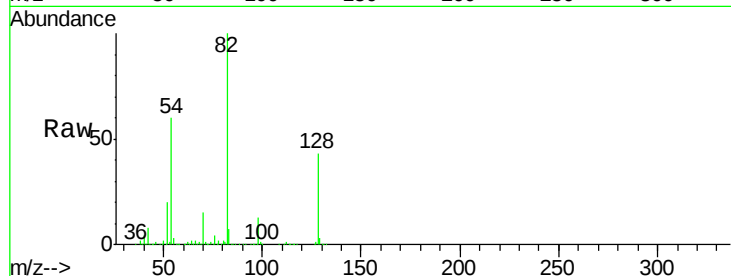
Ion Ratio Lower Upper

70 100

42 51.5 33.3 49.9#

101 0.0 9.3 13.9#

130 2.0 23.4 35.0#

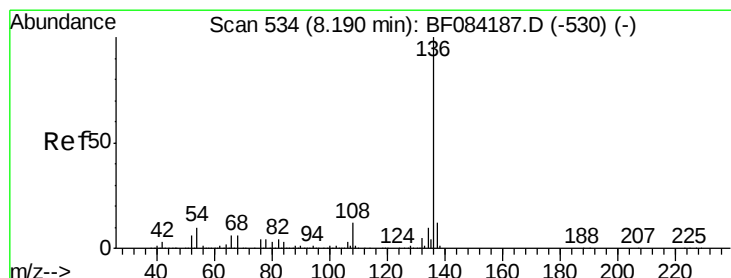
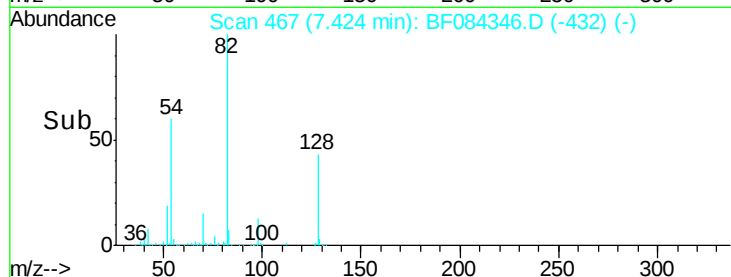
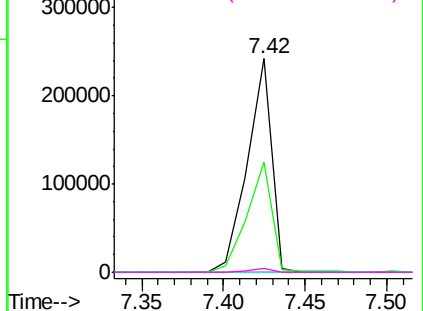


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.05 min

Lab File: BF084346.D

Acq: 9 Jan 2016 1:26

Tgt Ion:136 Resp: 1163084

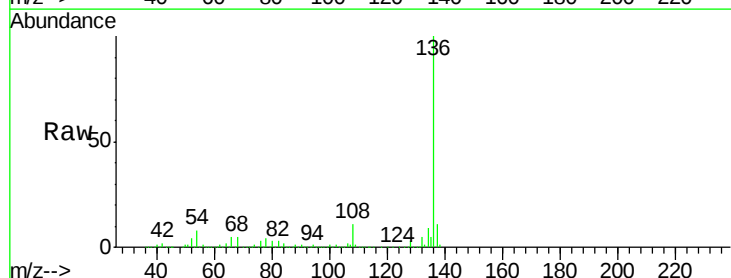
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 7.6 5.8 8.8

68 4.6 4.2 6.2

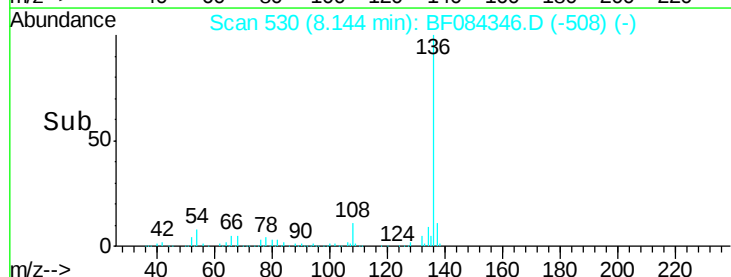
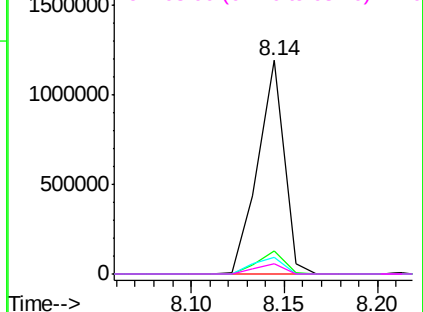


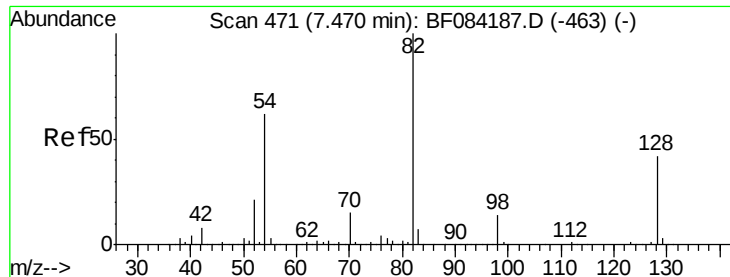
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

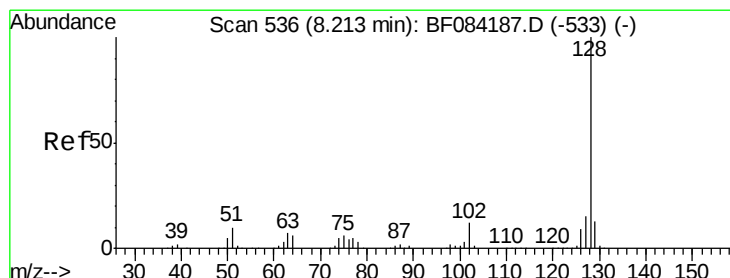
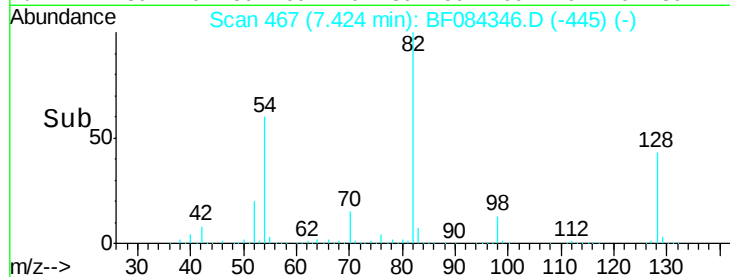
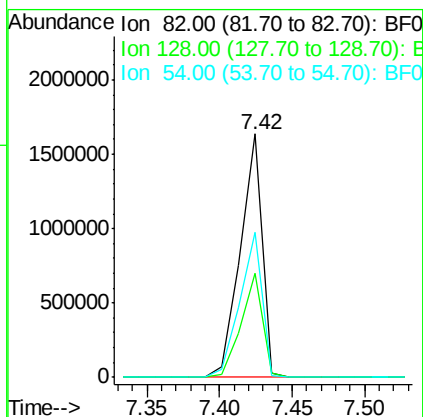
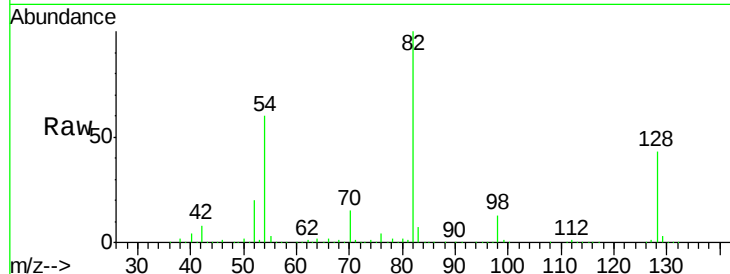




#23
 Nitrobenzene-d5
 Concen: 82.11 ng
 RT: 7.42 min Scan# 467
 Delta R.T. -0.05 min
 Lab File: BF084346.D
 Acq: 9 Jan 2016 1:26

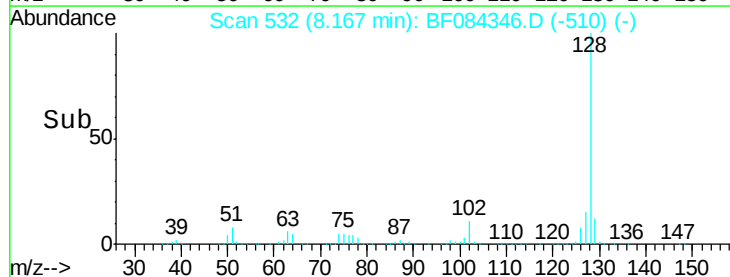
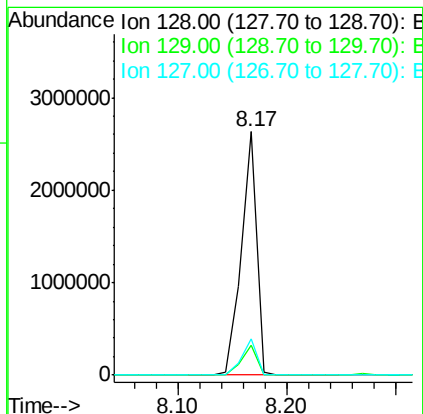
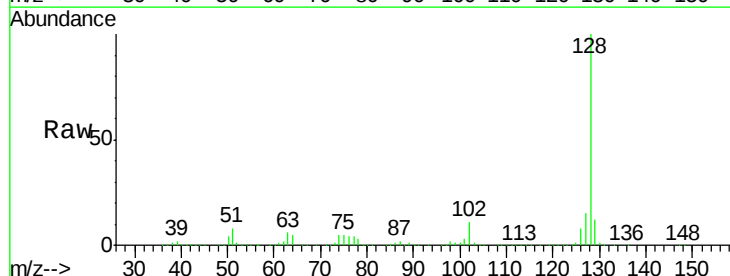
Instrument :
 BNA_F
 ClientSampleId :
 WC-DRUM1

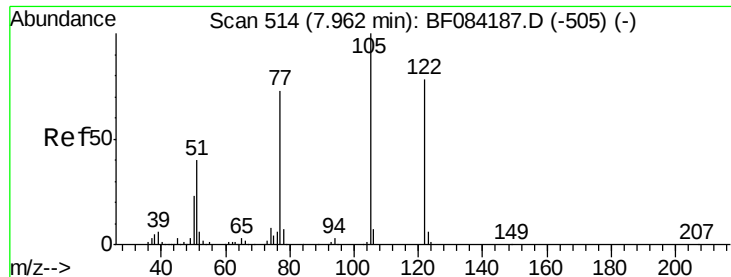
Tgt Ion: 82 Resp: 1715862
 Ion Ratio Lower Upper
 82 100
 128 43.0 34.6 51.8
 54 59.8 38.4 57.6#



#31
 Naphthalene
 Concen: 47.65 ng
 RT: 8.17 min Scan# 532
 Delta R.T. -0.05 min
 Lab File: BF084346.D
 Acq: 9 Jan 2016 1:26

Tgt Ion: 128 Resp: 2514348
 Ion Ratio Lower Upper
 128 100
 129 12.4 9.1 13.7
 127 14.9 11.1 16.7

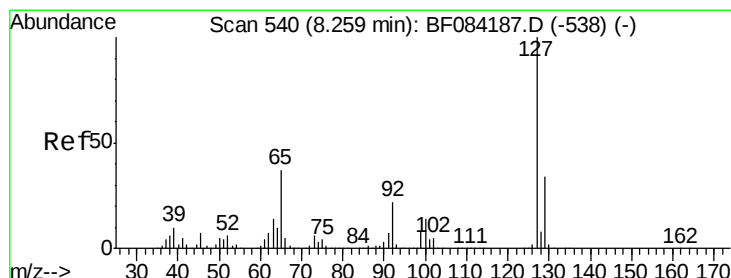
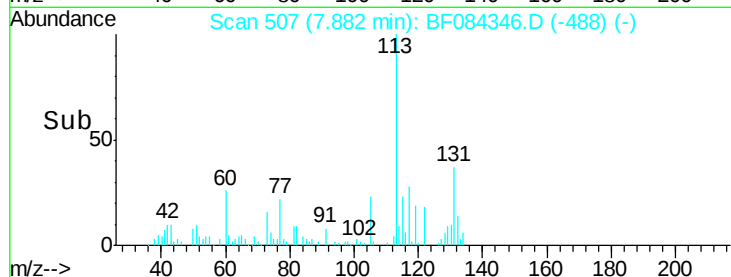
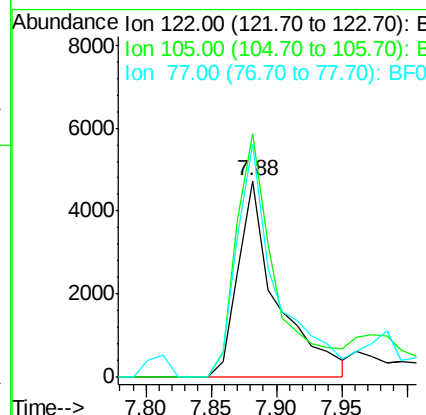
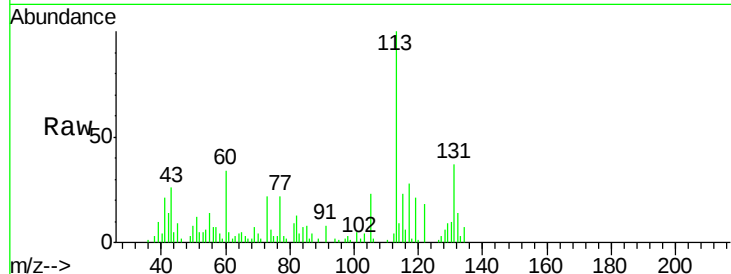




#32
Benzoic acid
Concen: 6.93 ng
RT: 7.88 min Scan# 507
Delta R.T. -0.08 min
Lab File: BF084346.D
Acq: 9 Jan 2016 1:26

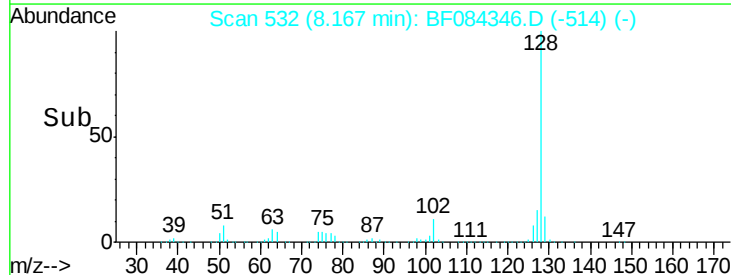
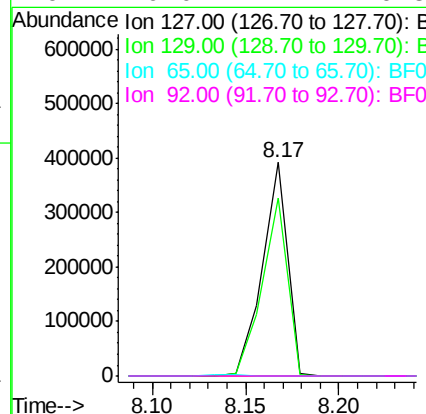
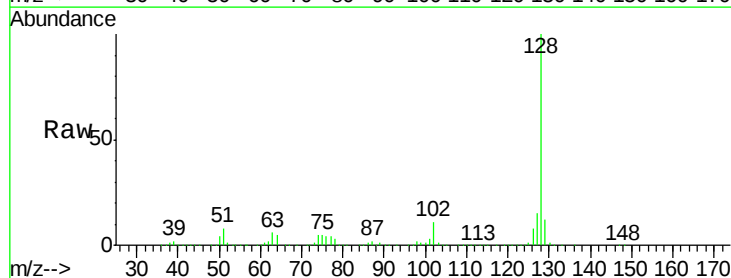
Instrument :
BNA_F
ClientSampleId :
WC-DRUM1

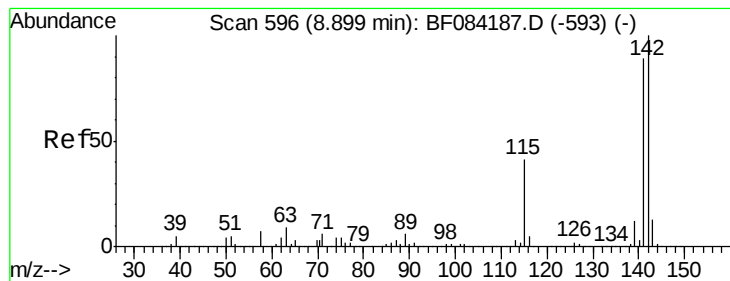
Tgt Ion:122 Resp: 9841
Ion Ratio Lower Upper
122 100
105 123.7 100.3 140.3
77 118.6 63.5 103.5#



#33
4-Chloroaniline
Concen: 15.06 ng
RT: 8.17 min Scan# 532
Delta R.T. -0.09 min
Lab File: BF084346.D
Acq: 9 Jan 2016 1:26

Tgt Ion:127 Resp: 364262
Ion Ratio Lower Upper
127 100
129 83.1 26.5 39.7#
65 0.0 27.2 40.8#
92 0.0 17.7 26.5#





#37

2-Methylnaphthalene

Concen: 9.27 ng

RT: 8.85 min Scan# 592

Delta R.T. -0.05 min

Lab File: BF084346.D

Acq: 9 Jan 2016 1:26

Instrument :

BNA_F

ClientSampleId :

WC-DRUM1

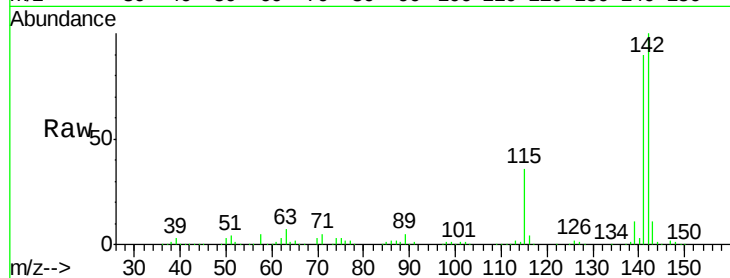
Tgt Ion:142 Resp: 351325

Ion Ratio Lower Upper

142 100

141 90.0 72.4 108.6

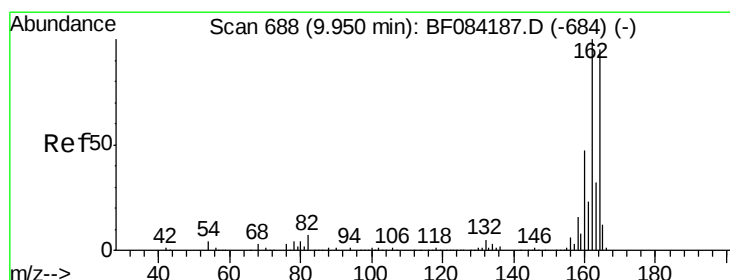
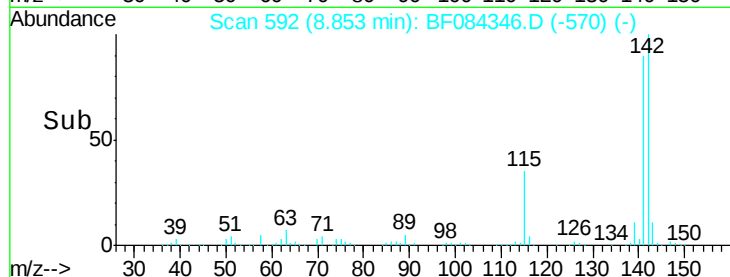
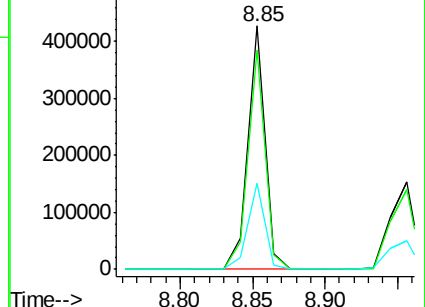
115 35.6 27.9 41.9



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: 9.89 min Scan# 683

Delta R.T. -0.06 min

Lab File: BF084346.D

Acq: 9 Jan 2016 1:26

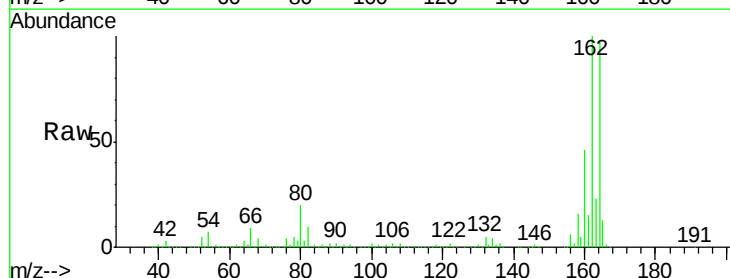
Tgt Ion:164 Resp: 537076

Ion Ratio Lower Upper

164 100

162 102.8 85.1 127.7

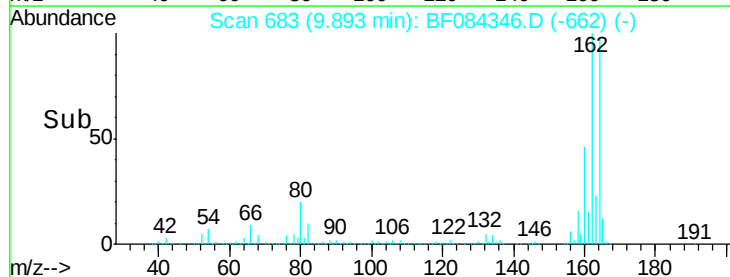
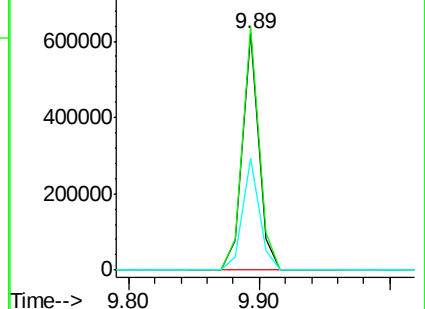
160 47.2 37.5 56.3

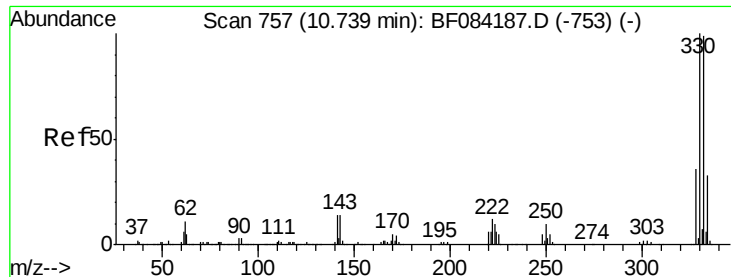


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

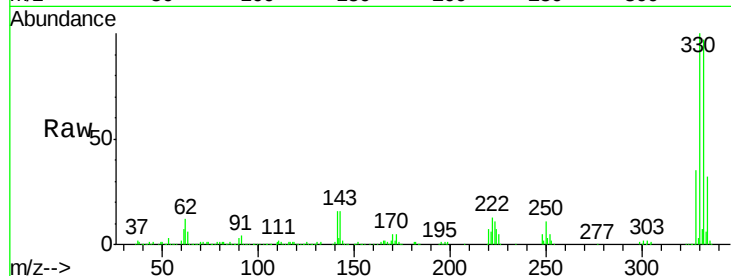




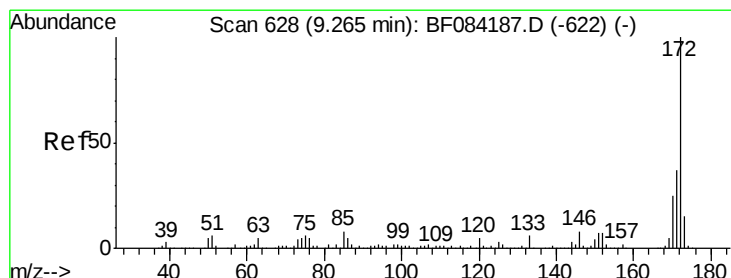
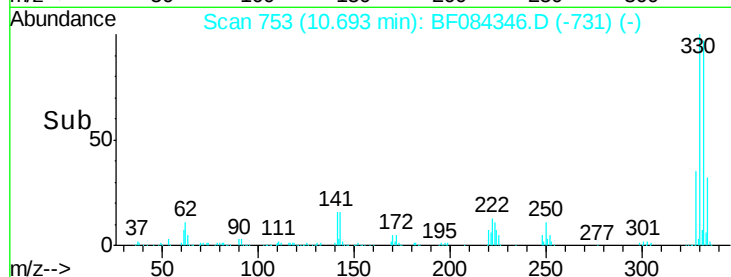
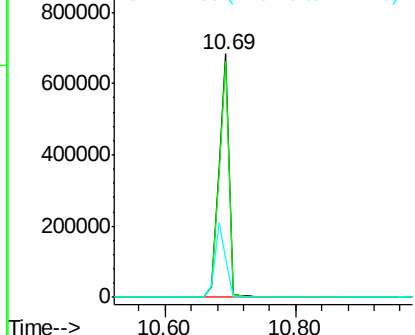
#41
 2,4,6-Tribromophenol
 Concen: 140.22 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.05 min
 Lab File: BF084346.D
 Acq: 9 Jan 2016 1:26

Instrument :
 BNA_F
 ClientSampleId :
 WC-DRUM1

Tgt Ion:330 Resp: 760295
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.6 114.8
 141 32.6 27.8 41.6

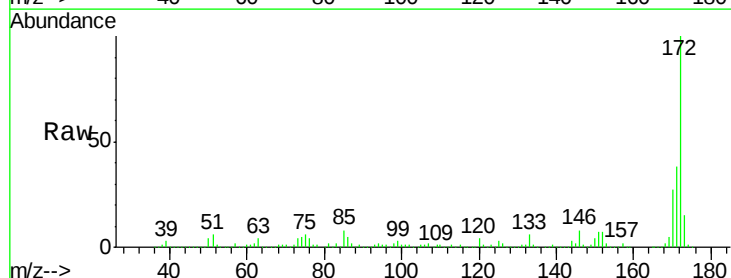


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

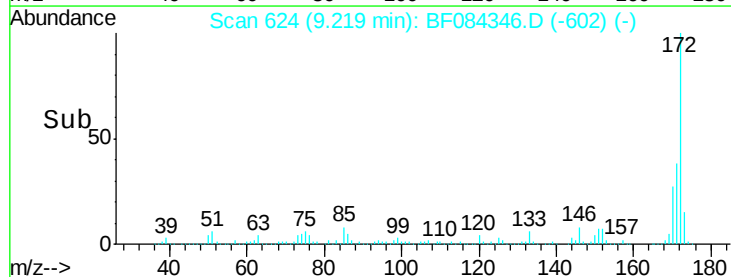
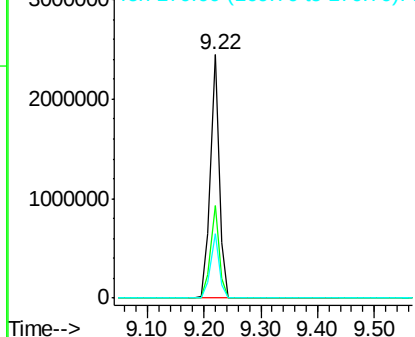


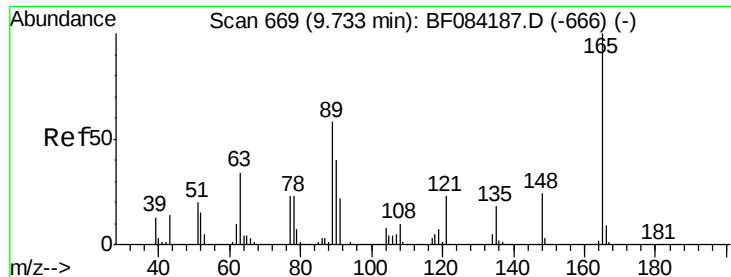
#44
 2-Fluorobiphenyl
 Concen: 83.33 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.05 min
 Lab File: BF084346.D
 Acq: 9 Jan 2016 1:26

Tgt Ion:172 Resp: 2547914
 Ion Ratio Lower Upper
 172 100
 171 38.0 28.9 43.3
 170 26.7 18.6 27.8



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





#50

2,6-Dinitrotoluene

Concen: 8.47 ng

RT: 9.89 min Scan# 683

Delta R.T. 0.16 min

Lab File: BF084346.D

Acq: 9 Jan 2016 1:26

Instrument :

BNA_F

ClientSampleId :

WC-DRUM1

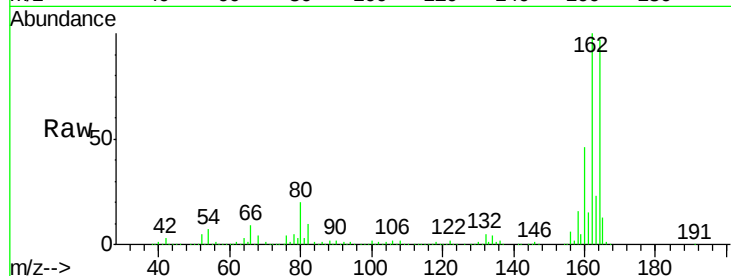
Tgt Ion:165 Resp: 71305

Ion Ratio Lower Upper

165 100

63 1.5 28.8 43.2#

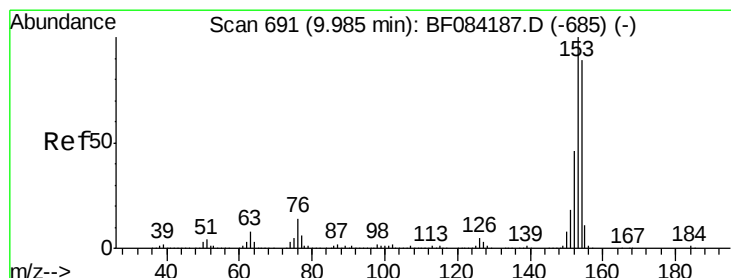
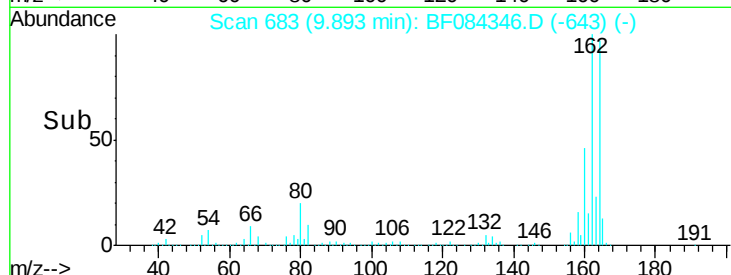
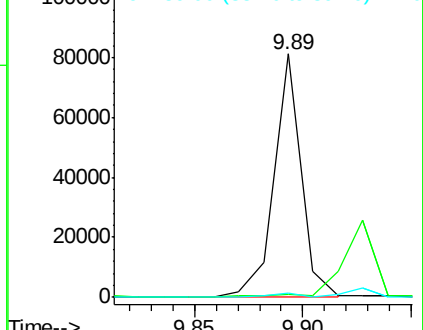
89 1.5 35.1 52.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#51

Acenaphthene

Concen: 9.18 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.06 min

Lab File: BF084346.D

Acq: 9 Jan 2016 1:26

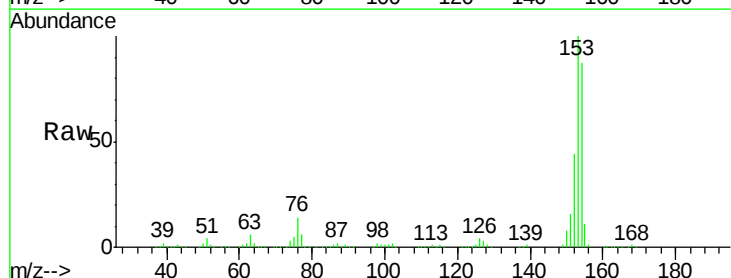
Tgt Ion:154 Resp: 305127

Ion Ratio Lower Upper

154 100

153 115.1 91.5 137.3

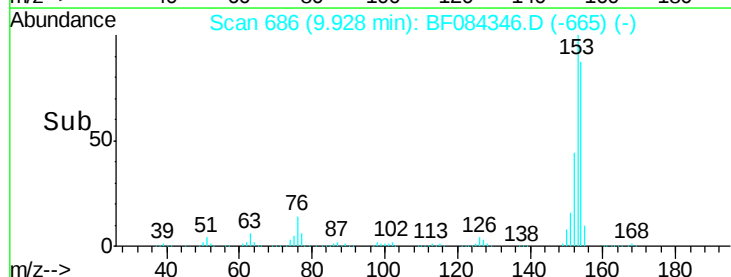
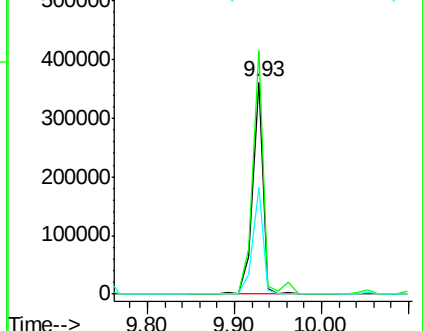
152 50.7 43.0 64.6

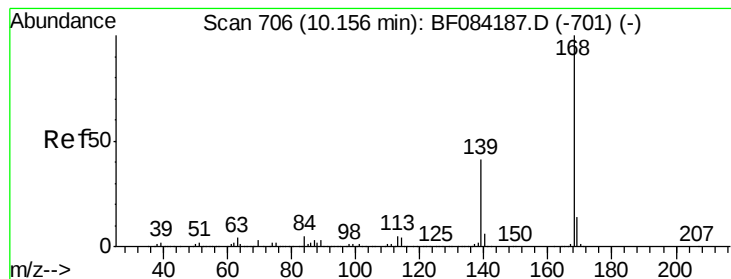


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzofuran

Concen: 3.85 ng

RT: 10.10 min Scan# 701

Delta R.T. -0.06 min

Lab File: BF084346.D

Acq: 9 Jan 2016 1:26

Instrument :

BNA_F

ClientSampleId :

WC-DRUM1

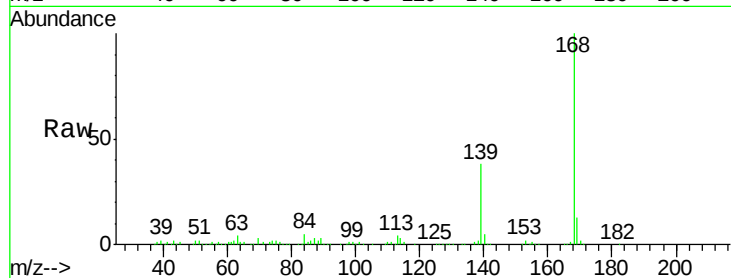
Tgt Ion:168 Resp: 282585

Ion Ratio Lower Upper

168 100

139 37.6 30.5 45.7

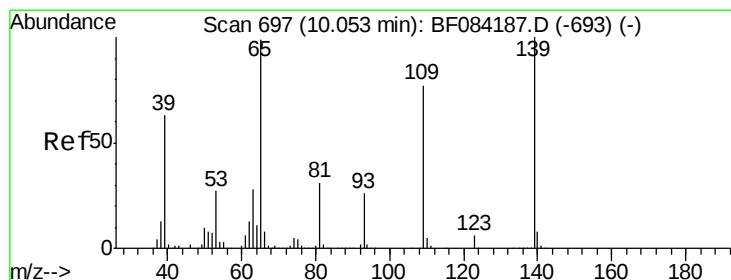
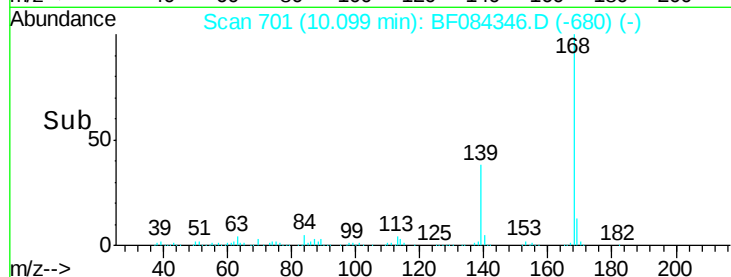
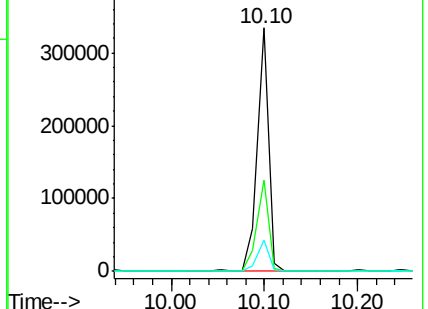
169 13.0 10.4 15.6



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



#55

4-Nitrophenol

Concen: 14.45 ng

RT: 10.10 min Scan# 701

Delta R.T. 0.05 min

Lab File: BF084346.D

Acq: 9 Jan 2016 1:26

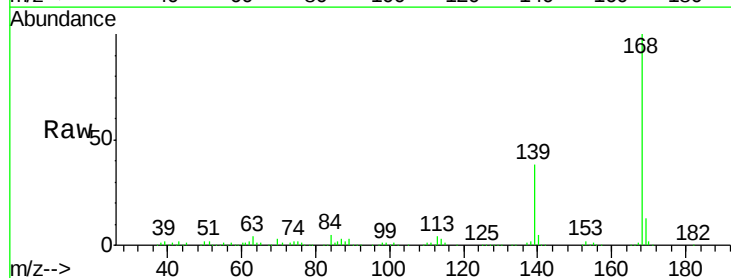
Tgt Ion:139 Resp: 109462

Ion Ratio Lower Upper

139 100

109 0.8 58.5 98.5#

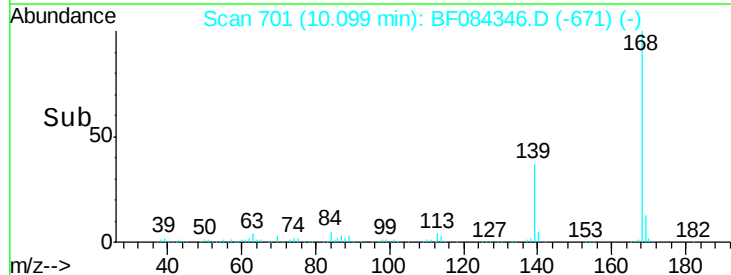
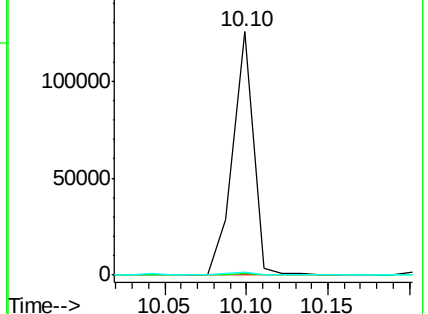
65 1.5 57.6 97.6#

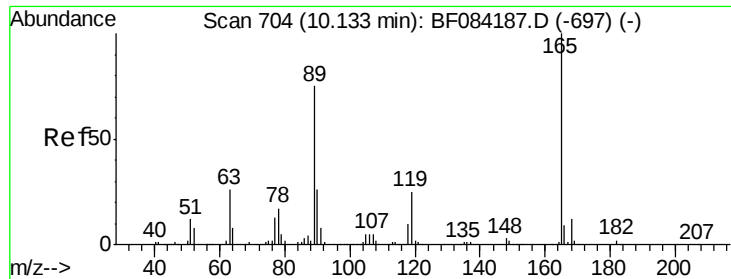


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

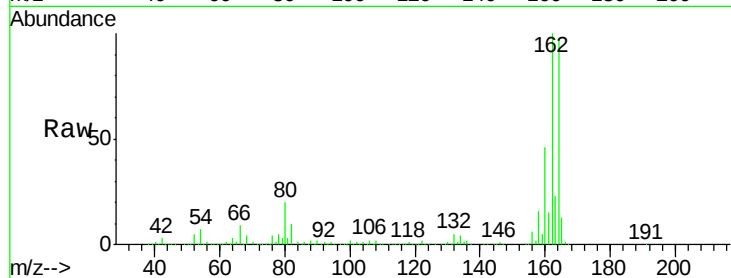




#56
2,4-Dinitrotoluene
Concen: 6.78 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.24 min
Lab File: BF084346.D
Acq: 9 Jan 2016 1:26

Instrument :
BNA_F
ClientSampleId :
WC-DRUM1

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.7	55.1#
89	1.5	61.9	92.9#
182	0.0	2.0	3.0#

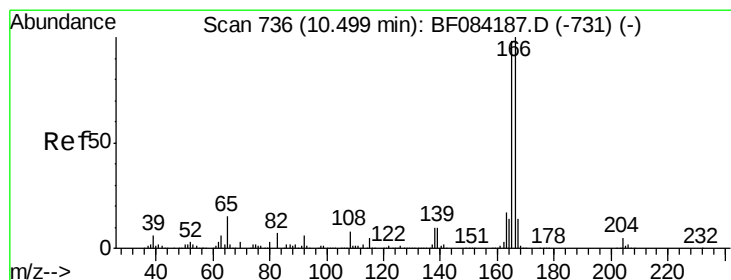
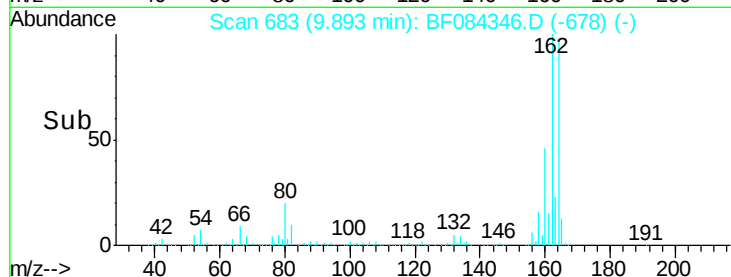
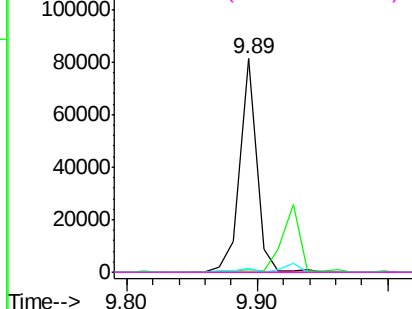


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

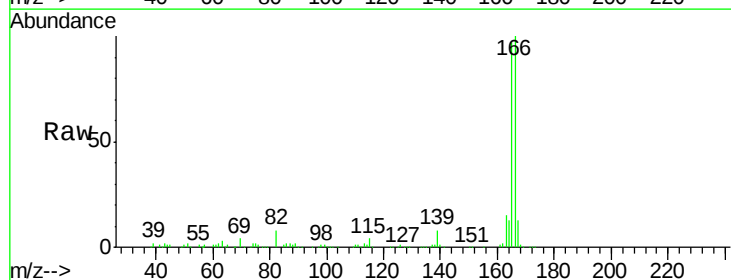
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: 3.98 ng
RT: 10.44 min Scan# 731
Delta R.T. -0.06 min
Lab File: BF084346.D
Acq: 9 Jan 2016 1:26

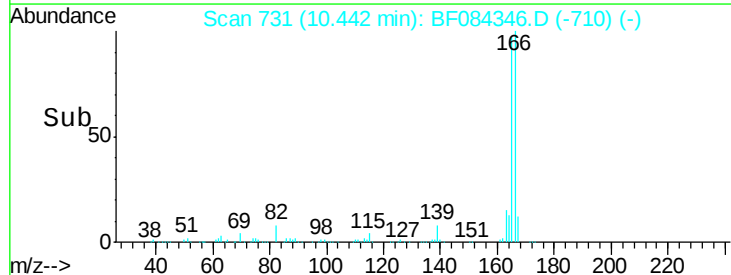
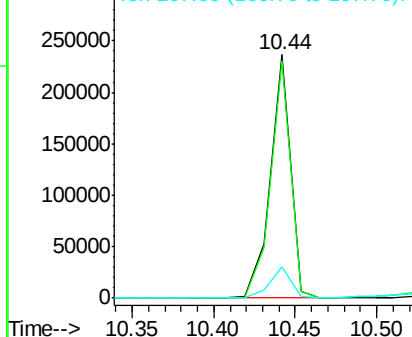
Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.3	79.1	118.7
167	12.6	10.4	15.6

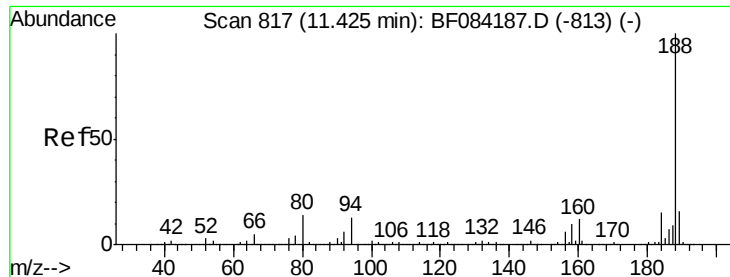


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

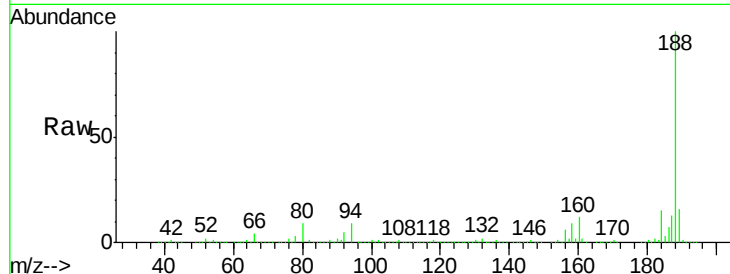




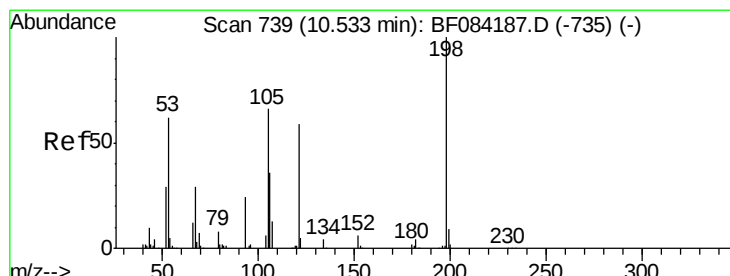
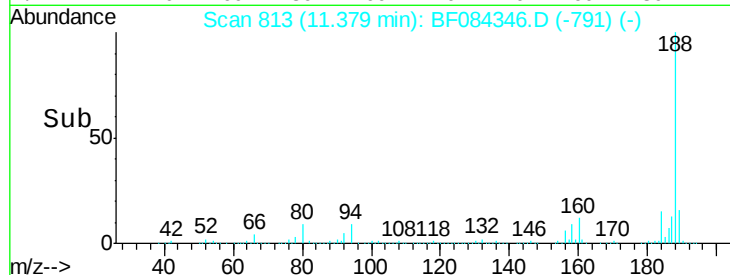
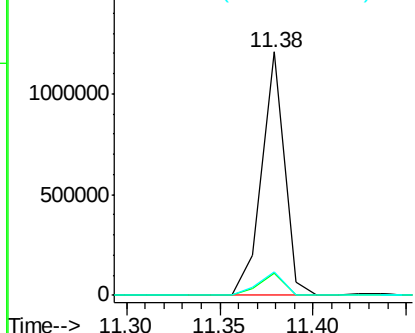
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.05 min
Lab File: BF084346.D
Acq: 9 Jan 2016 1:26

Instrument :
BNA_F
ClientSampleId :
WC-DRUM1

Tgt Ion:188 Resp: 1016622
Ion Ratio Lower Upper
188 100
94 8.9 9.0 13.4#
80 9.5 9.6 14.4#

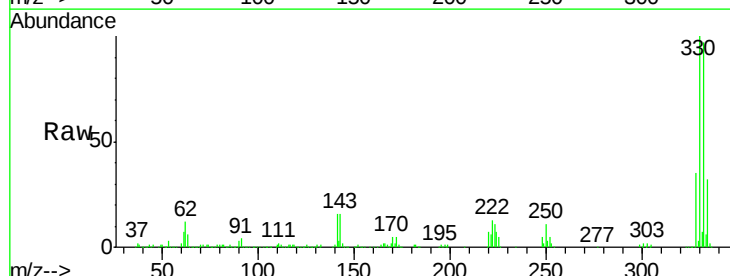


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

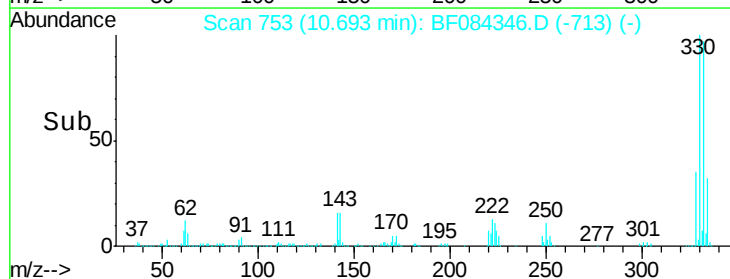
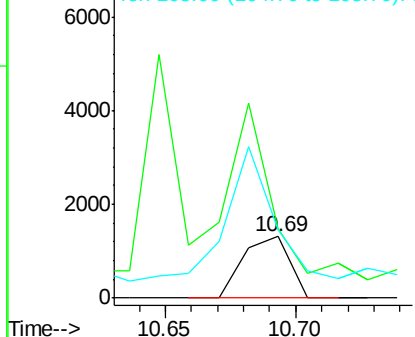


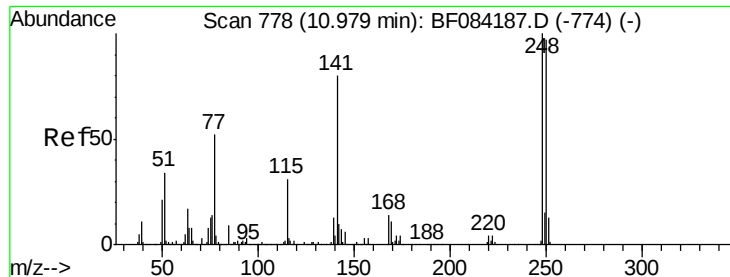
#64
4,6-Dinitro-2-methylphenol
Concen: 6.62 ng
RT: 10.69 min Scan# 753
Delta R.T. 0.16 min
Lab File: BF084346.D
Acq: 9 Jan 2016 1:26

Tgt Ion:198 Resp: 1634
Ion Ratio Lower Upper
198 100
51 112.3 18.9 58.9#
105 110.2 26.4 66.4#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

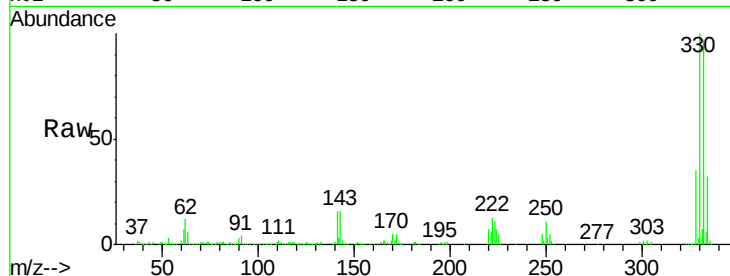




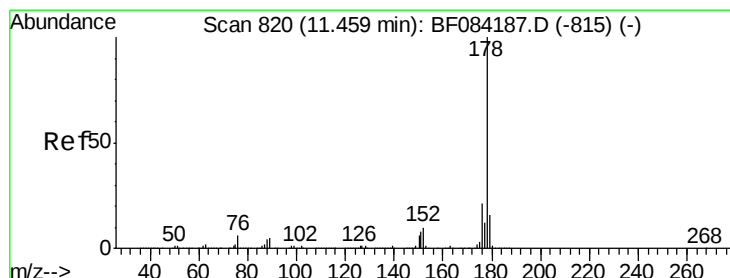
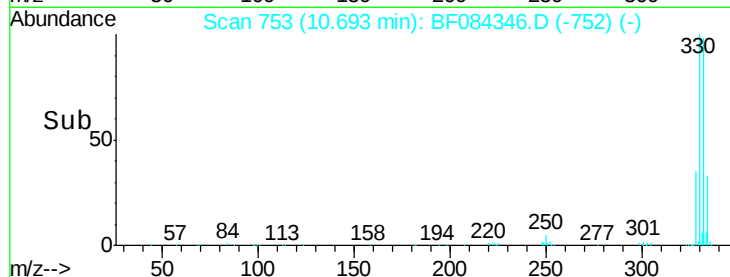
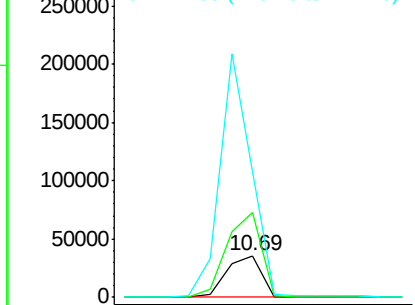
#66
 4-Bromophenyl-phenylether
 Concen: 4.30 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.29 min
 Lab File: BF084346.D
 Acq: 9 Jan 2016 1:26

Instrument :
 BNA_F
 ClientSampleId :
 WC-DRUM1

Tgt Ion:248 Resp: 47042
 Ion Ratio Lower Upper
 248 100
 250 205.1 78.4 117.6#
 141 303.1 44.0 66.0#

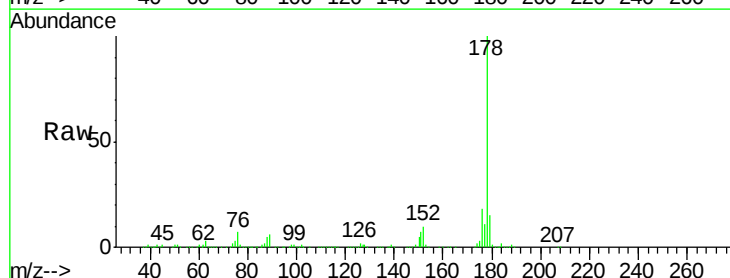


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

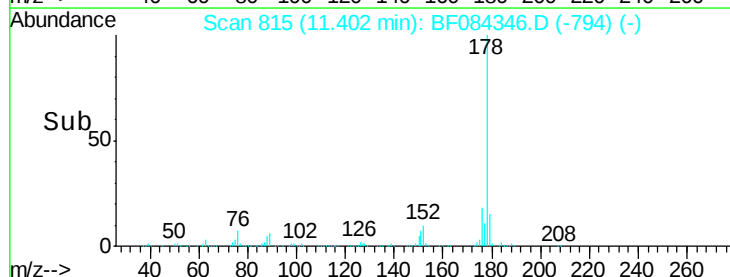
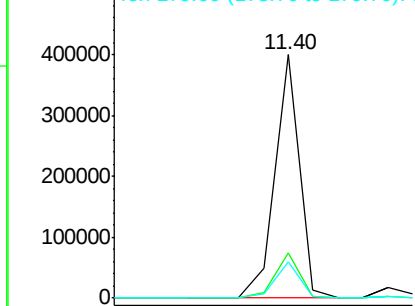


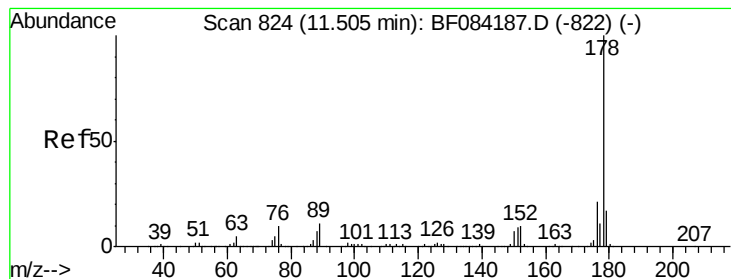
#70
 Phenanthrene
 Concen: 5.99 ng
 RT: 11.40 min Scan# 815
 Delta R.T. -0.06 min
 Lab File: BF084346.D
 Acq: 9 Jan 2016 1:26

Tgt Ion:178 Resp: 318401
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.3 22.9
 179 15.0 12.0 18.0



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





#71

Anthracene

Concen: 6.11 ng

RT: 11.40 min Scan# 815

Delta R.T. -0.10 min

Lab File: BF084346.D

Acq: 9 Jan 2016 1:26

Instrument :

BNA_F

ClientSampleId :

WC-DRUM1

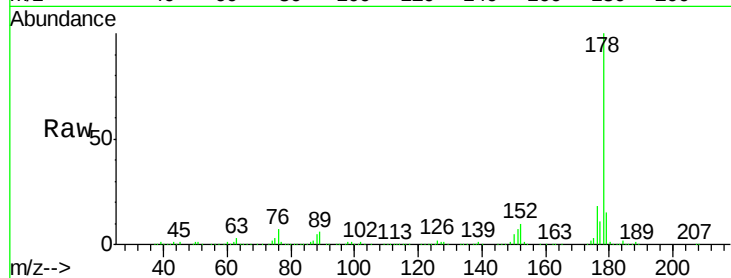
Tgt Ion:178 Resp: 318401

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.0

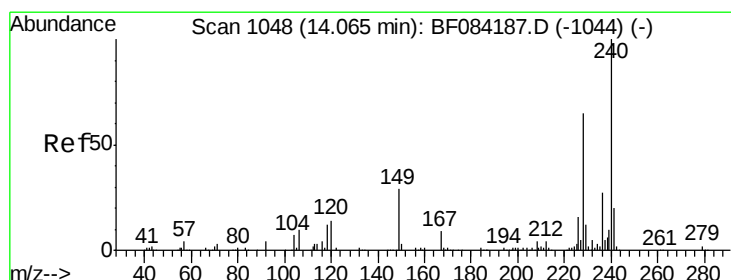
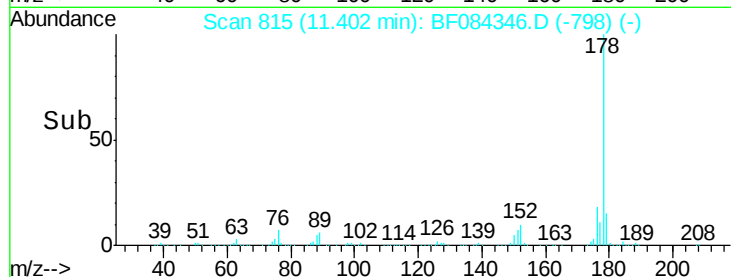
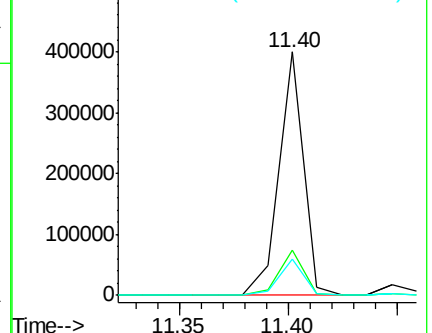
179 15.0 12.5 18.7



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.06 min

Lab File: BF084346.D

Acq: 9 Jan 2016 1:26

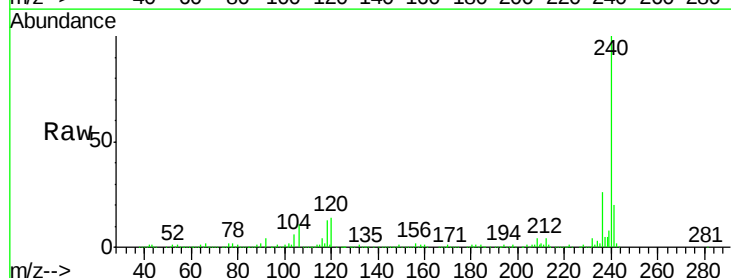
Tgt Ion:240 Resp: 729308

Ion Ratio Lower Upper

240 100

120 14.4 9.5 14.3#

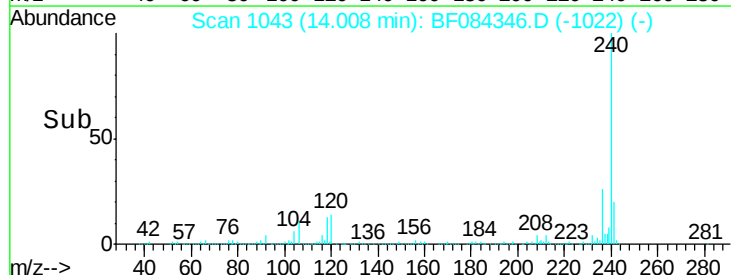
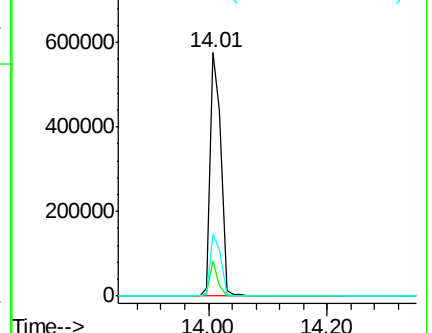
236 25.6 20.6 31.0

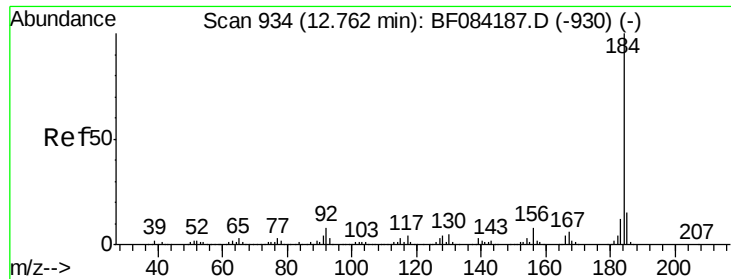


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

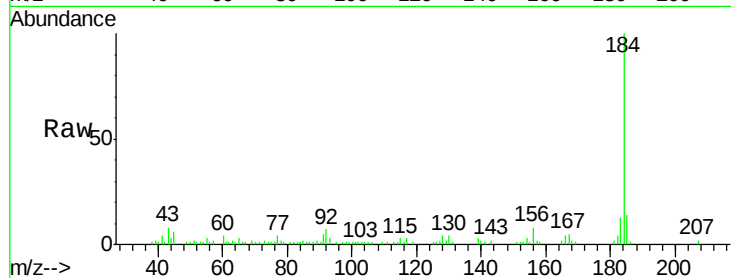




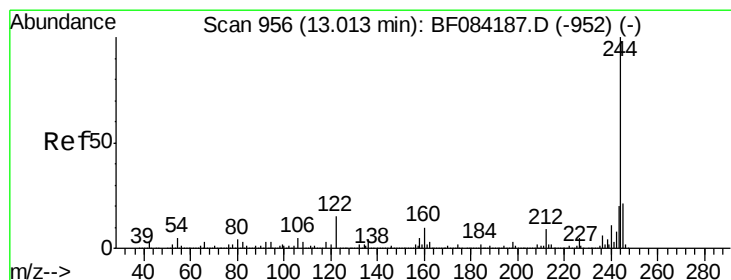
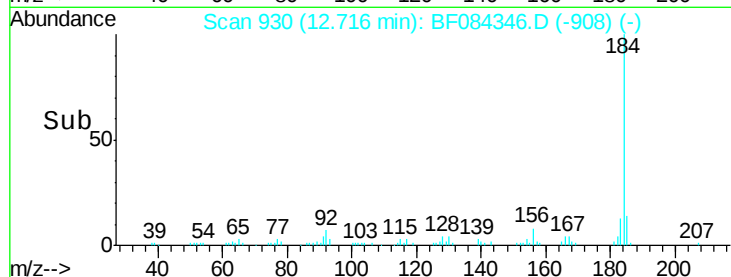
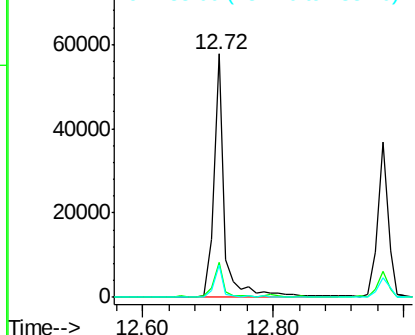
#76
Benzidine
Concen: 2.55 ng
RT: 12.72 min Scan# 930
Delta R.T. -0.05 min
Lab File: BF084346.D
Acq: 9 Jan 2016 1:26

Instrument :
BNA_F
ClientSampleId :
WC-DRUM1

Tgt Ion:184 Resp: 66772
Ion Ratio Lower Upper
184 100
185 14.5 12.2 18.2
183 13.1 9.8 14.8

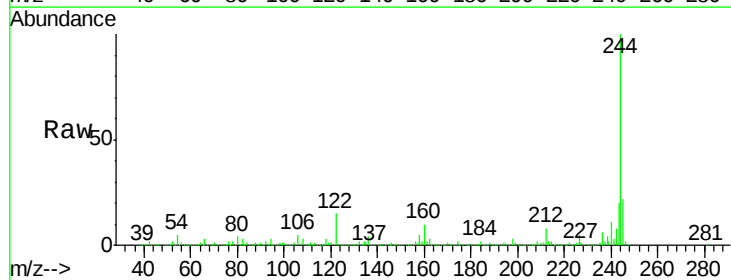


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

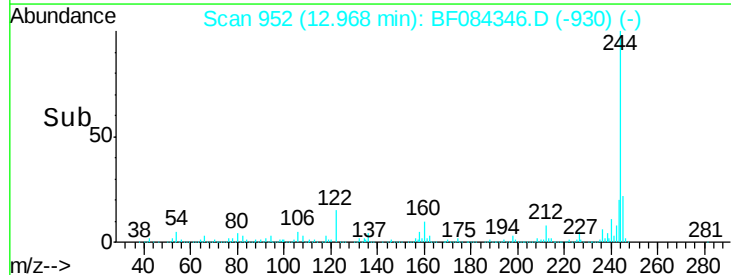
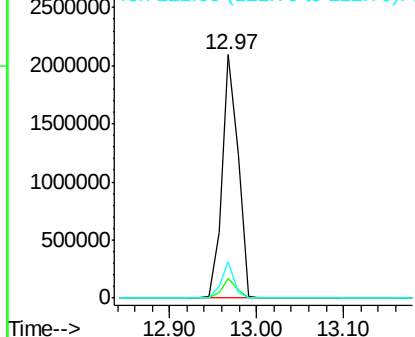


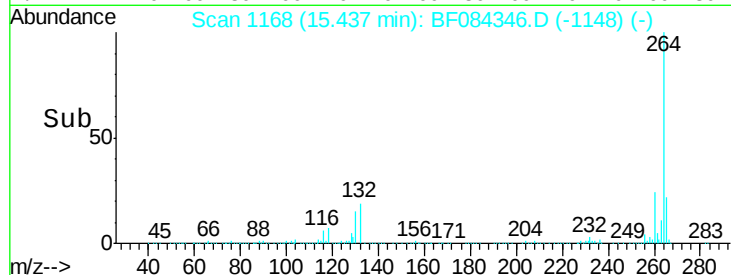
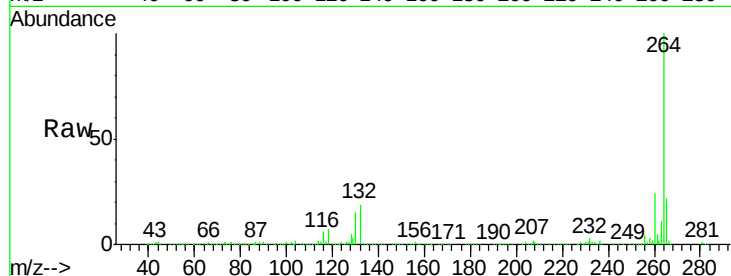
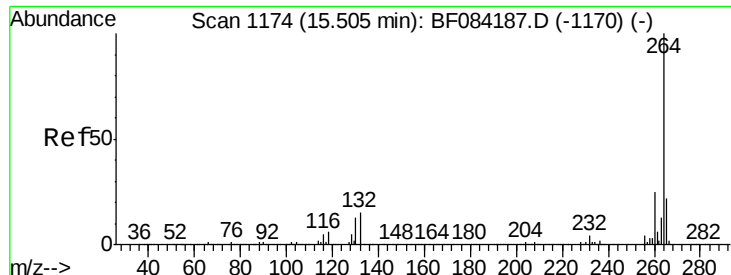
#78
Terphenyl-d14
Concen: 82.92 ng
RT: 12.97 min Scan# 952
Delta R.T. -0.05 min
Lab File: BF084346.D
Acq: 9 Jan 2016 1:26

Tgt Ion:244 Resp: 2709350
Ion Ratio Lower Upper
244 100
212 8.3 5.7 8.5
122 14.9 7.4 11.0#



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: 15.44 min Scan# 1168
Delta R.T. -0.07 min
Lab File: BF084346.D
Acq: 9 Jan 2016 1:26

Instrument :
BNA_F
ClientSampleId :
WC-DRUM1

Tgt Ion:	264	Resp:	535050
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.4	29.2
265	21.8	17.8	26.6

