

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092615\
 Data File : BF081823.D
 Acq On : 26 Sep 2015 12:53
 Operator : UM/IZ
 Sample : G3754-02
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2B

Quant Time: Sep 28 09:04:20 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 25 06:02:49 2015
 Response via : Initial Calibration

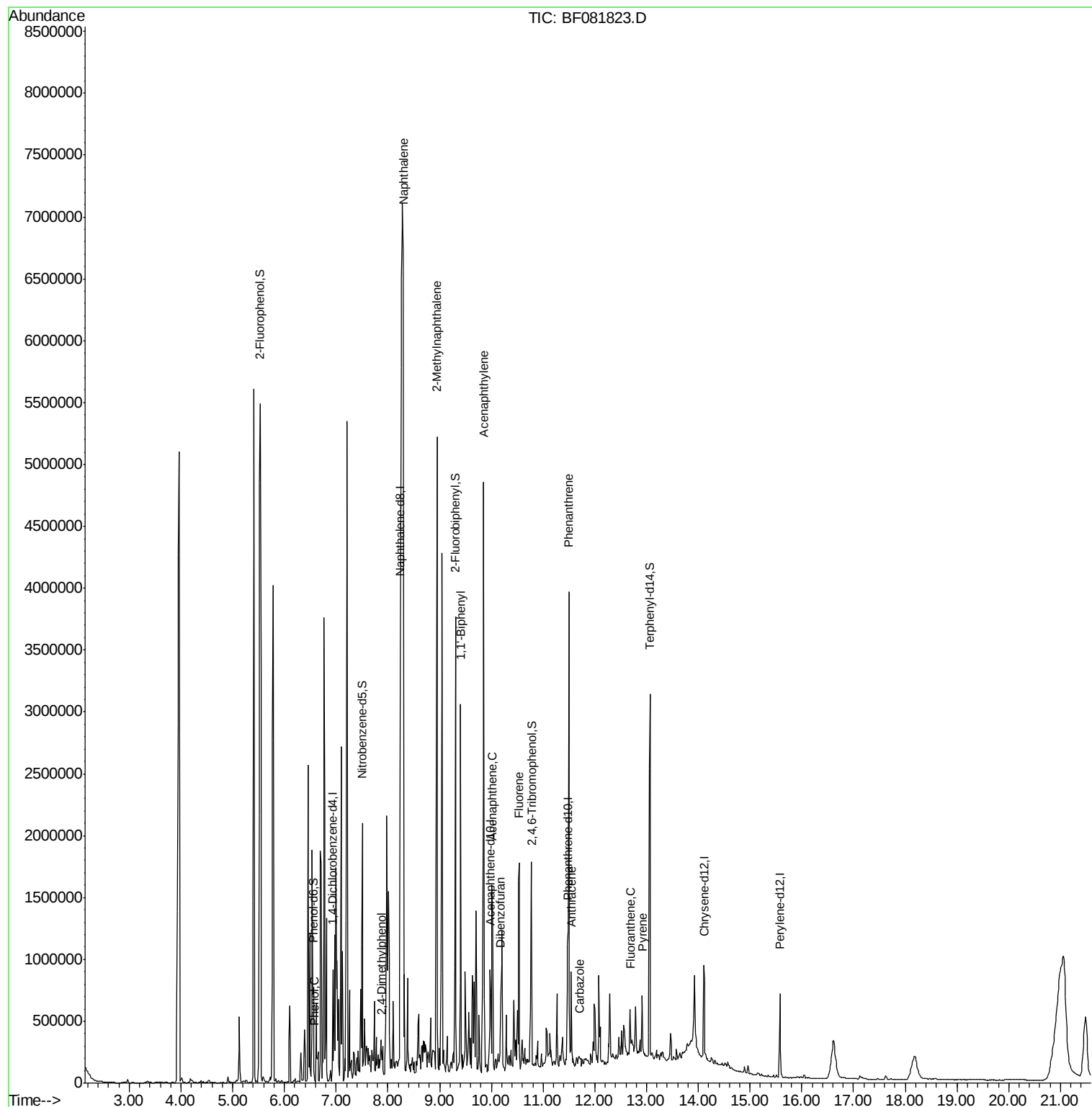
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	124247	20.00	ng	-0.01
21) Naphthalene-d8	8.24	136	313451	20.00	ng	0.00
38) Acenaphthene-d10	9.98	164	231464	20.00	ng	-0.02
63) Phenanthrene-d10	11.47	188	434878	20.00	ng	0.00
75) Chrysene-d12	14.12	240	367033	20.00	ng	0.00
86) Perylene-d12	15.58	264	320893	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	257906	35.12	ng	-0.01
7) Phenol-d6	6.56	99	355788	38.30	ng	-0.01
23) Nitrobenzene-d5	7.51	82	729479	153.55	ng	-0.01
41) 2,4,6-Tribromophenol	10.78	330	318560	158.52	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	1137088	80.64	ng	-0.01
78) Terphenyl-d14	13.06	244	1317700	82.01	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.57	94	27793	2.58	ng	79
27) 2,4-Dimethylphenol	7.89	122	10898	2.28	ng	# 73
31) Naphthalene	8.30	128	10723225	741.56	ng	# 90
37) 2-Methylnaphthalene	8.95	142	1723305	167.23	ng	# 86
45) 1,1'-Biphenyl	9.41	154	899760	49.72	ng	94
48) Acenaphthylene	9.85	152	2433032	98.75	ng	# 91
51) Acenaphthene	10.01	154	452183	31.85	ng	88
54) Dibenzofuran	10.18	168	86056	4.13	ng	# 86
57) Fluorene	10.54	166	813350	50.89	ng	90
70) Phenanthrene	11.50	178	1536338m	61.79	ng	
71) Anthracene	11.54	178	288102	12.03	ng	98
72) Carbazole	11.70	167	50031	2.25	ng	94
74) Fluoranthene	12.69	202	217480	8.68	ng	86
77) Pyrene	12.91	202	265999	9.61	ng	98

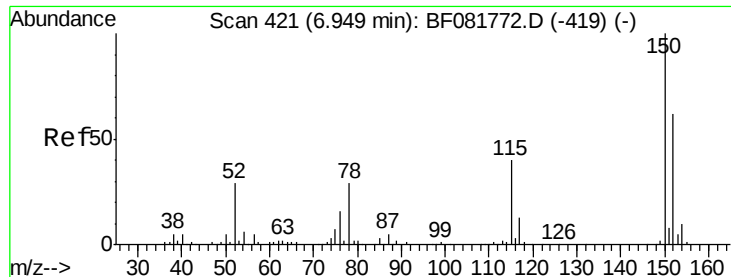
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.94 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF081823.D

Acq: 26 Sep 2015 12:53

Instrument :

BNA_F

ClientSampleId :

MW-2B

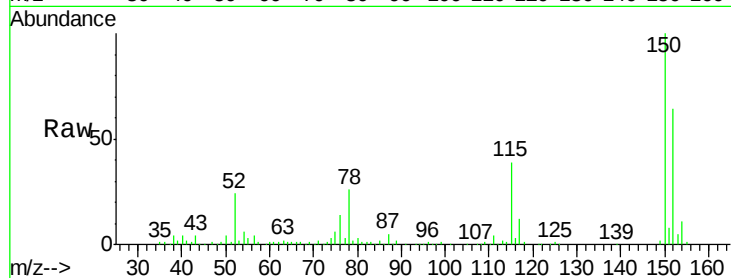
Tgt Ion:152 Resp: 124247

Ion Ratio Lower Upper

152 100

150 156.2 124.7 187.1

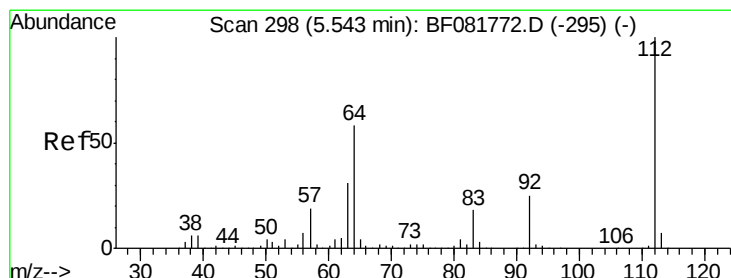
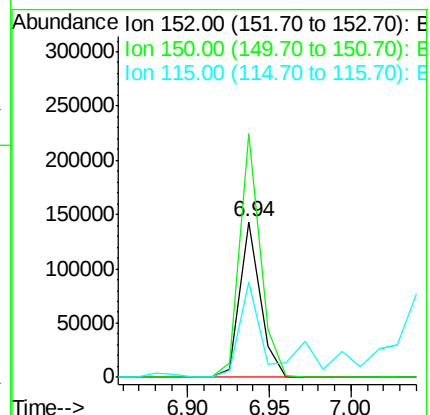
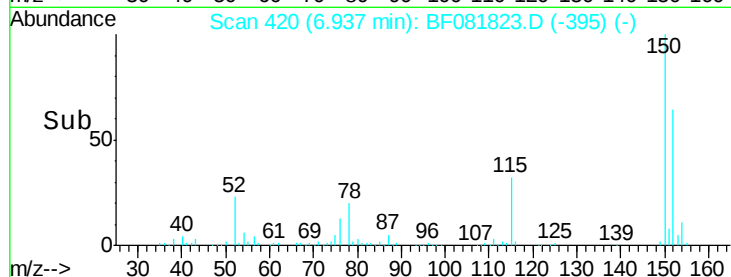
115 60.7 39.0 58.4#



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: 35.12 ng

RT: 5.53 min Scan# 297

Delta R.T. -0.01 min

Lab File: BF081823.D

Acq: 26 Sep 2015 12:53

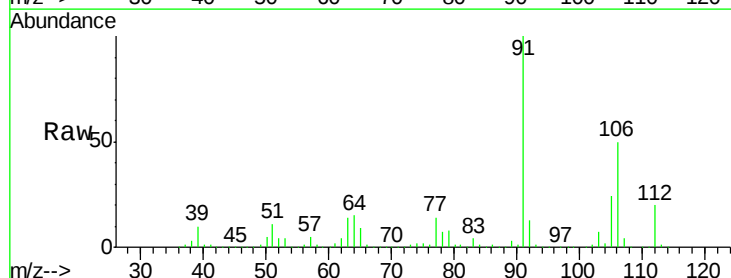
Tgt Ion:112 Resp: 257906

Ion Ratio Lower Upper

112 100

64 76.6 39.7 59.5#

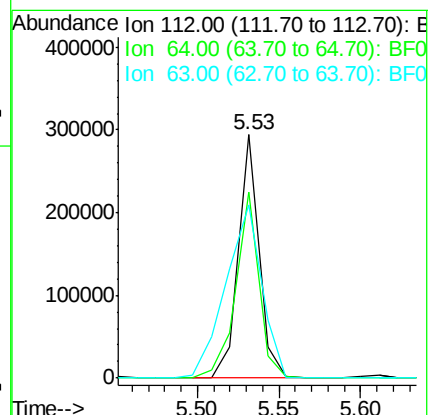
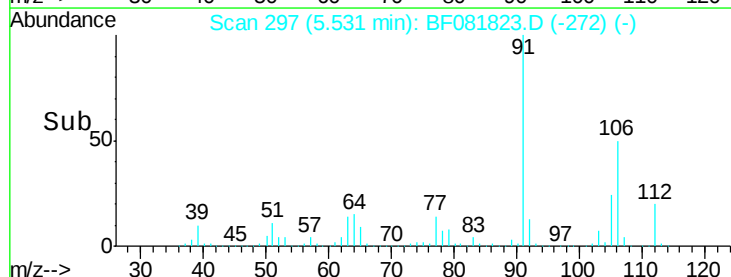
63 71.3 17.4 26.0#



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: 38.30 ng

RT: 6.56 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF081823.D

Acq: 26 Sep 2015 12:53

Instrument :

BNA_F

ClientSampleId :

MW-2B

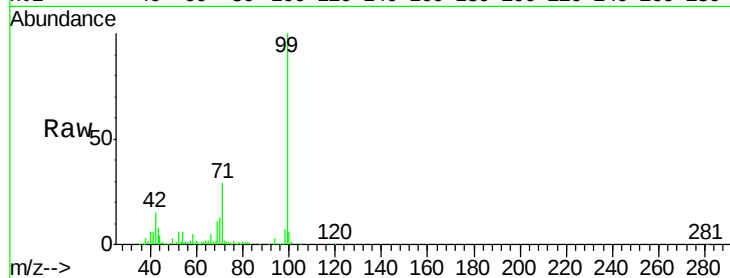
Tgt Ion: 99 Resp: 355788

Ion Ratio Lower Upper

99 100

42 14.8 13.7 20.5

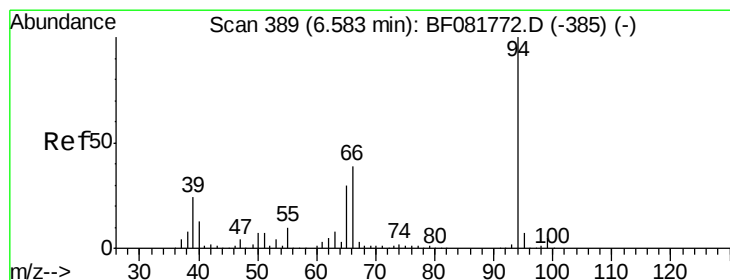
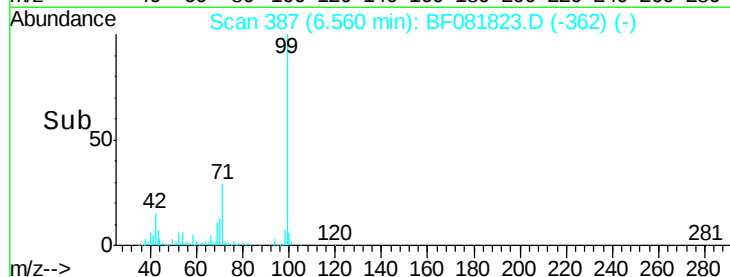
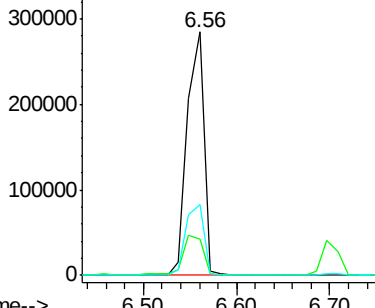
71 29.2 14.2 21.2#



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



#10

Phenol

Concen: 2.58 ng

RT: 6.57 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF081823.D

Acq: 26 Sep 2015 12:53

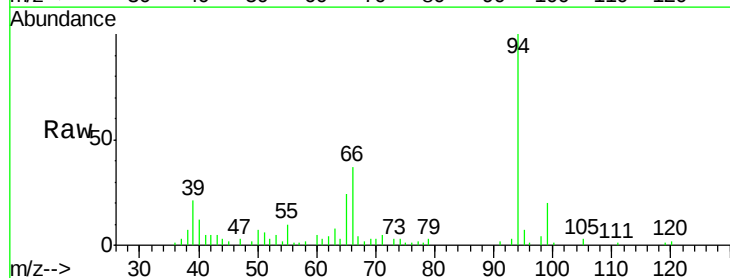
Tgt Ion: 94 Resp: 27793

Ion Ratio Lower Upper

94 100

65 24.3 0.7 40.7

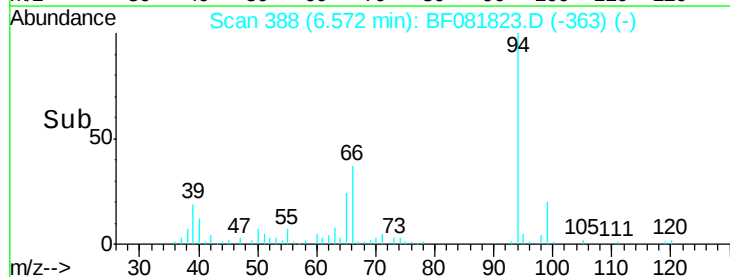
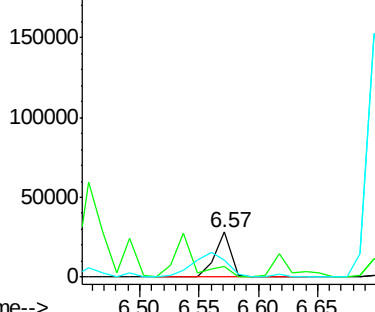
66 36.8 0.8 40.8

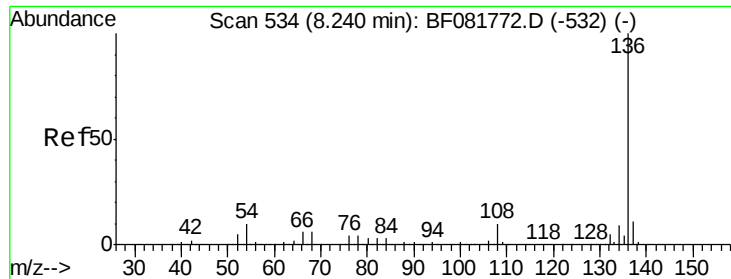


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.24 min Scan# 534

Delta R.T. 0.00 min

Lab File: BF081823.D

Acq: 26 Sep 2015 12:53

Instrument :

BNA_F

ClientSampleId :

MW-2B

Tgt Ion:136 Resp: 313451

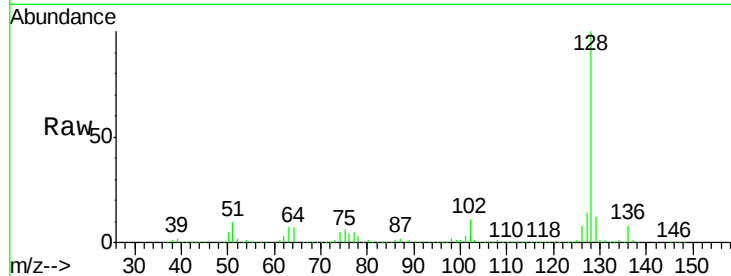
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 8.6 8.2 12.2

68 5.5 5.8 8.6#

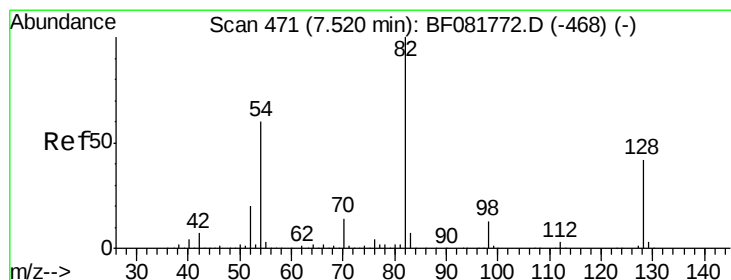
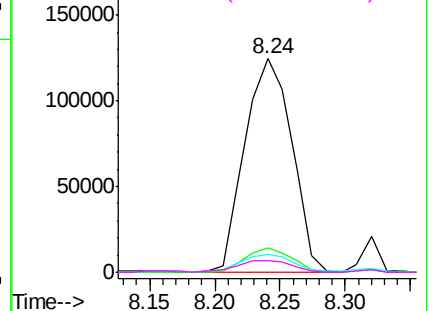
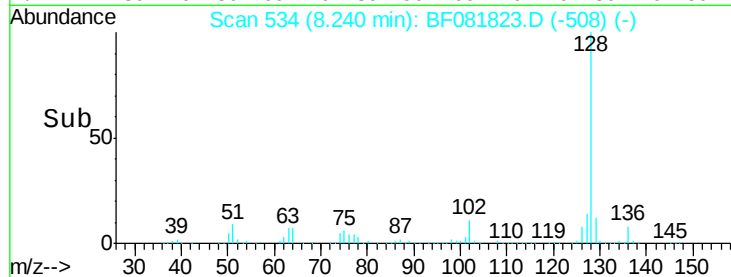


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 153.55 ng

RT: 7.51 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF081823.D

Acq: 26 Sep 2015 12:53

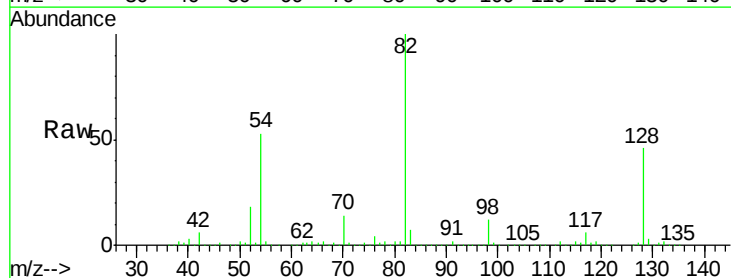
Tgt Ion: 82 Resp: 729479

Ion Ratio Lower Upper

82 100

128 45.8 51.0 76.6#

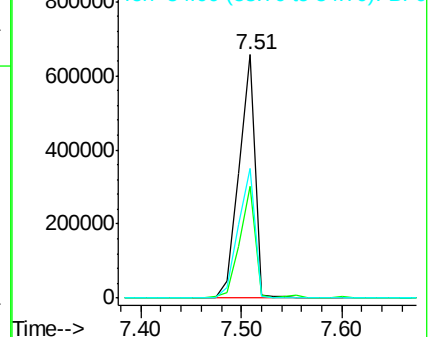
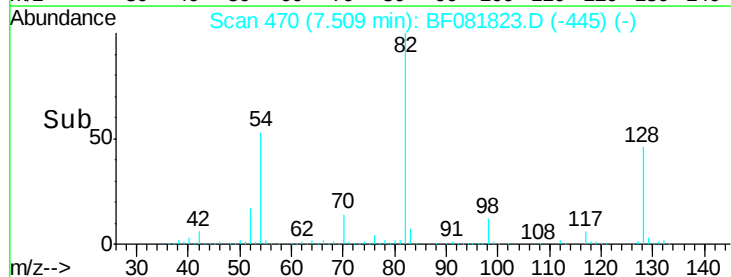
54 53.4 47.5 71.3

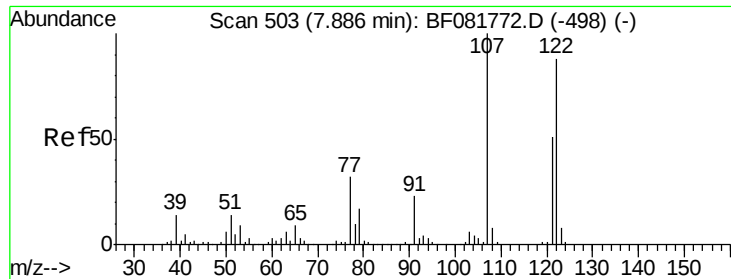


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#27

2,4-Dimethylphenol

Concen: 2.28 ng

RT: 7.89 min Scan# 503

Delta R.T. -0.00 min

Lab File: BF081823.D

Acq: 26 Sep 2015 12:53

Instrument :

BNA_F

ClientSampled :

MW-2B

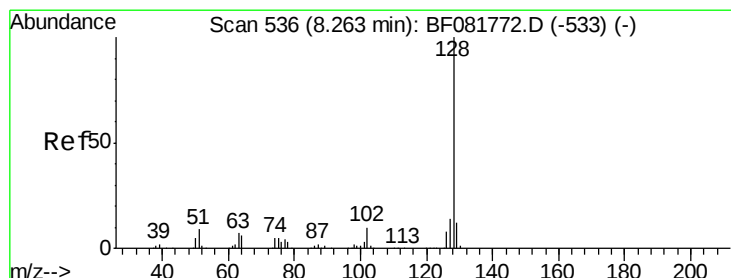
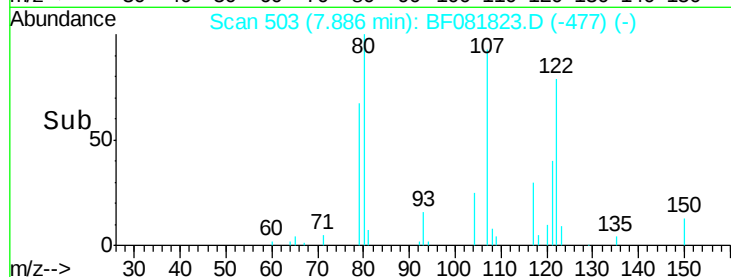
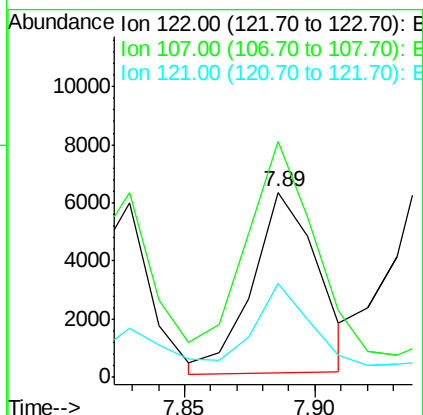
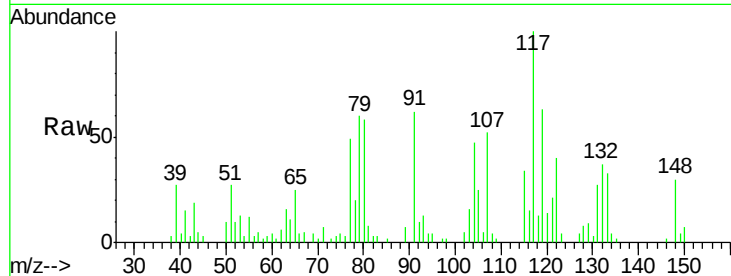
Tgt Ion:122 Resp: 10898

Ion Ratio Lower Upper

122 100

107 128.0 71.8 107.6#

121 50.7 42.3 63.5



#31

Naphthalene

Concen: 741.56 ng

RT: 8.30 min Scan# 539

Delta R.T. 0.03 min

Lab File: BF081823.D

Acq: 26 Sep 2015 12:53

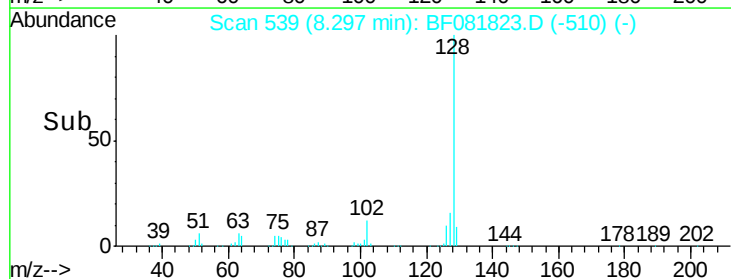
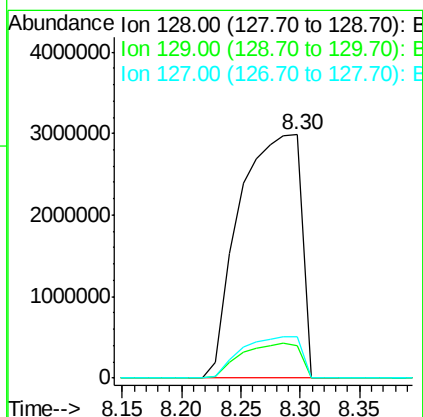
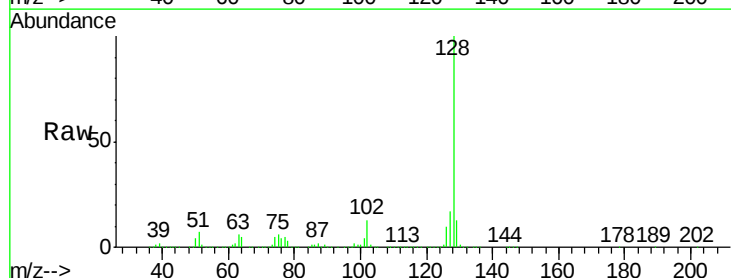
Tgt Ion:128 Resp:10723225

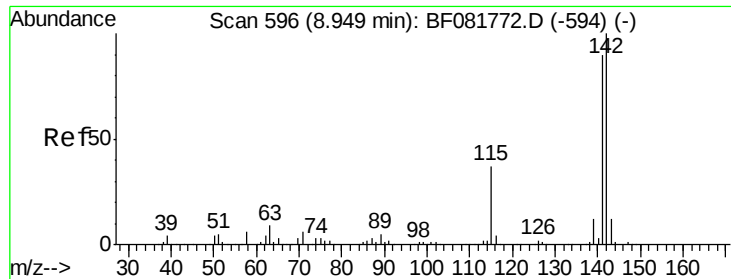
Ion Ratio Lower Upper

128 100

129 13.4 8.4 12.6#

127 17.1 9.9 14.9#

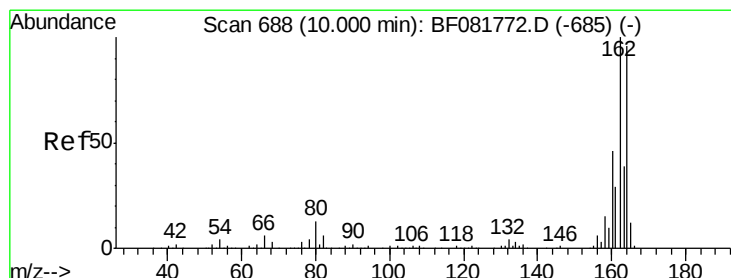
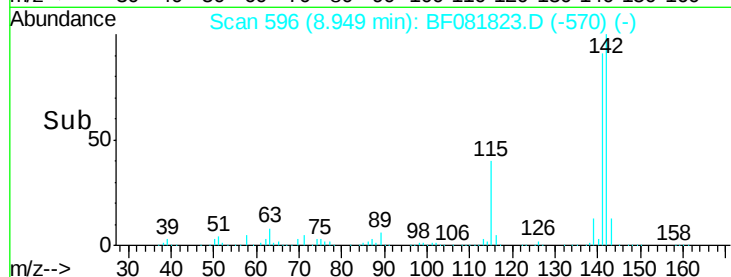
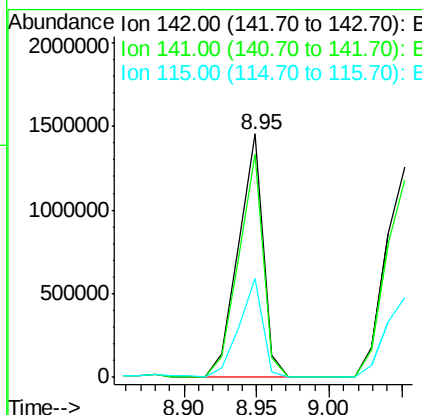
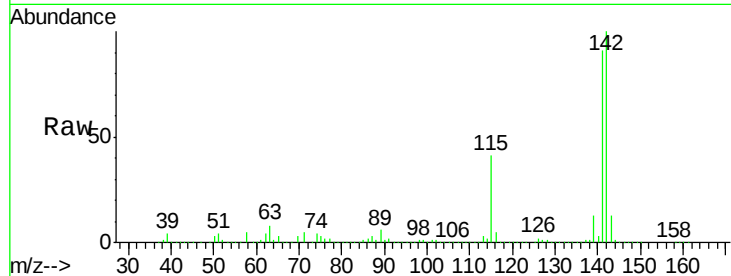




#37
 2-Methylnaphthalene
 Concen: 167.23 ng
 RT: 8.95 min Scan# 596
 Delta R.T. -0.00 min
 Lab File: BF081823.D
 Acq: 26 Sep 2015 12:53

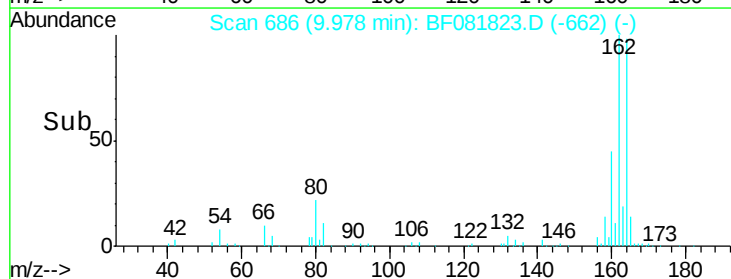
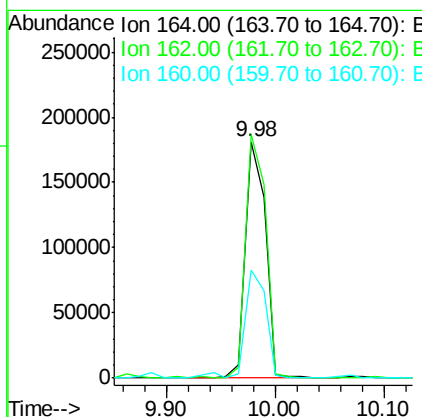
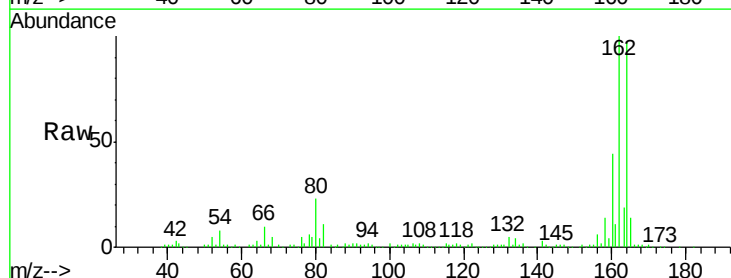
Instrument :
 BNA_F
 ClientSampleId :
 MW-2B

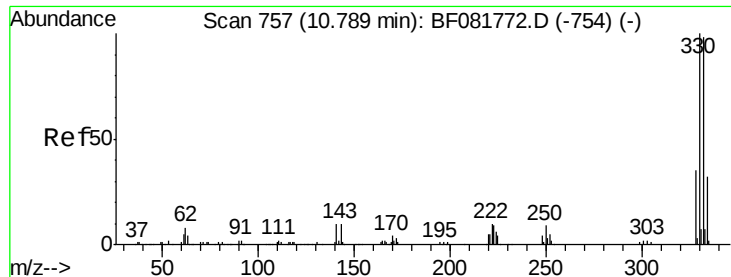
Tgt Ion:142 Resp: 1723305
 Ion Ratio Lower Upper
 142 100
 141 91.4 67.5 101.3
 115 40.6 18.2 27.2#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.98 min Scan# 686
 Delta R.T. -0.02 min
 Lab File: BF081823.D
 Acq: 26 Sep 2015 12:53

Tgt Ion:164 Resp: 231464
 Ion Ratio Lower Upper
 164 100
 162 103.1 75.2 112.8
 160 45.8 31.5 47.3

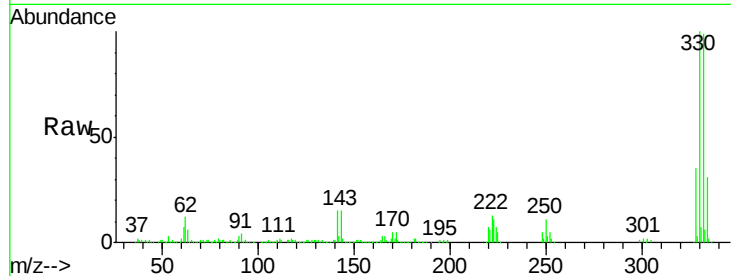




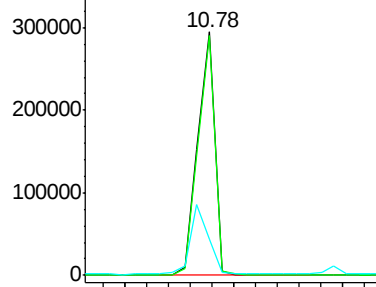
#41
 2,4,6-Tribromophenol
 Concen: 158.52 ng
 RT: 10.78 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF081823.D
 Acq: 26 Sep 2015 12:53

Instrument :
 BNA_F
 ClientSampleId :
 MW-2B

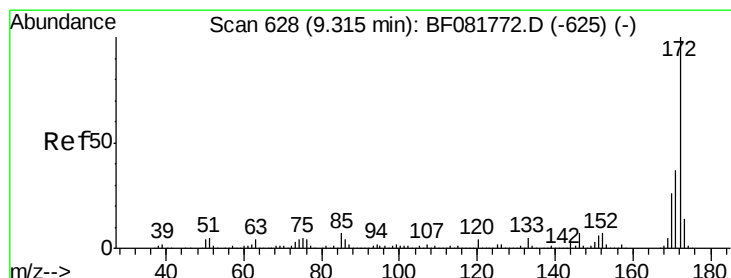
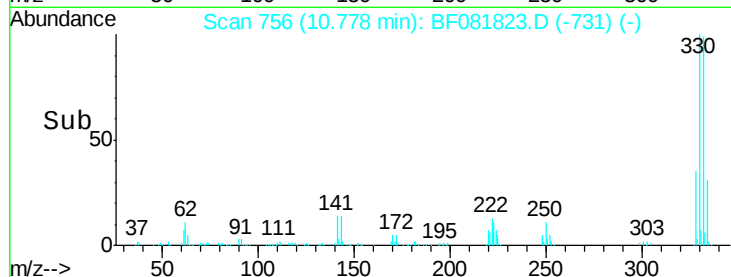
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.6	114.8
141	31.8	29.7	44.5



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

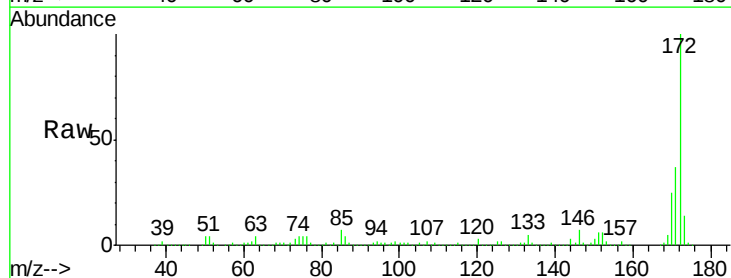


Time-->

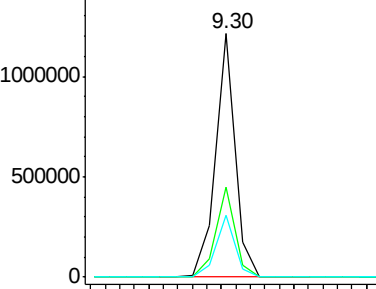


#44
 2-Fluorobiphenyl
 Concen: 80.64 ng
 RT: 9.30 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF081823.D
 Acq: 26 Sep 2015 12:53

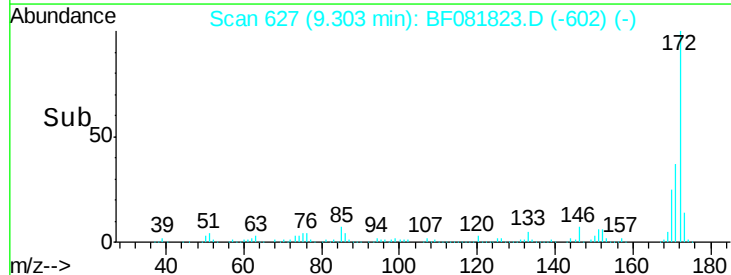
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	26.1	39.1
170	25.4	17.4	26.2

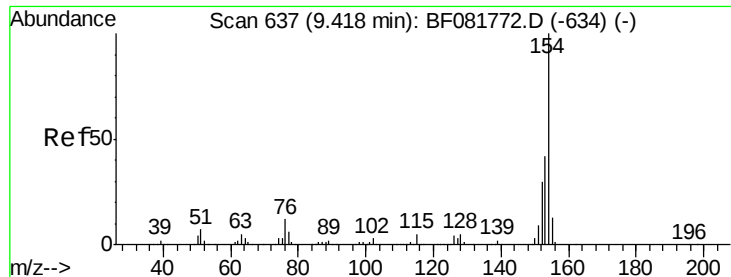


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



Time-->

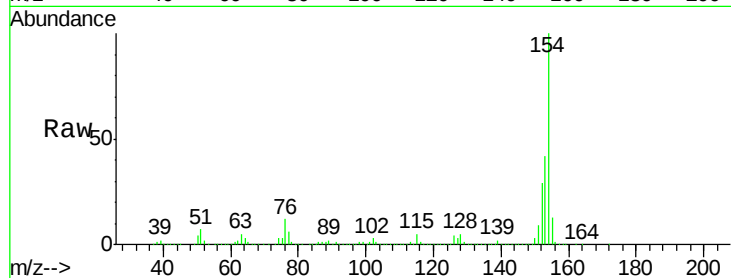




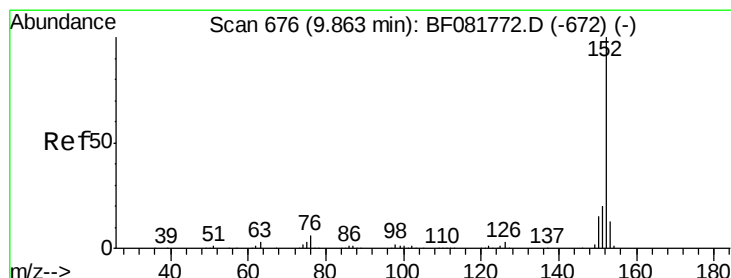
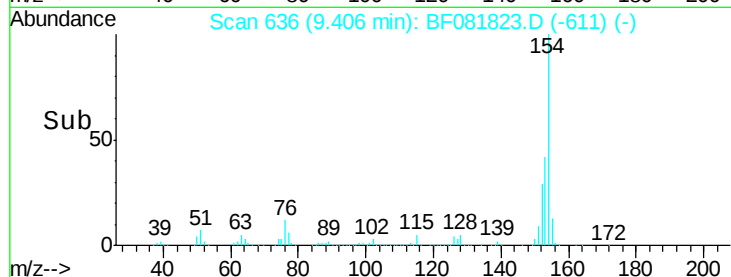
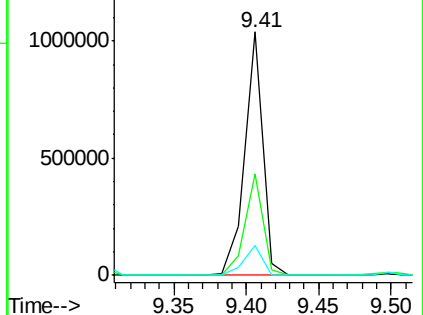
#45
 1,1'-Biphenyl
 Concen: 49.72 ng
 RT: 9.41 min Scan# 636
 Delta R.T. -0.01 min
 Lab File: BF081823.D
 Acq: 26 Sep 2015 12:53

Instrument :
 BNA_F
 ClientSampled :
 MW-2B

Tgt Ion:154 Resp: 899760
 Ion Ratio Lower Upper
 154 100
 153 41.6 17.1 57.1
 76 12.2 0.0 31.6

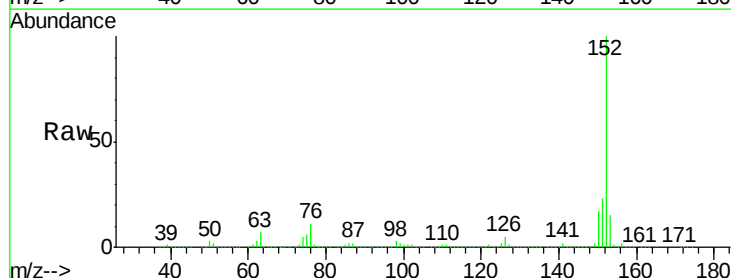


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

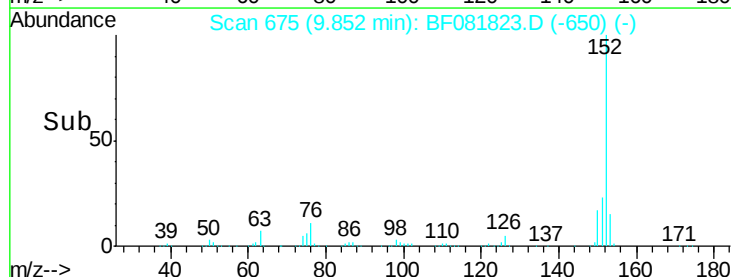
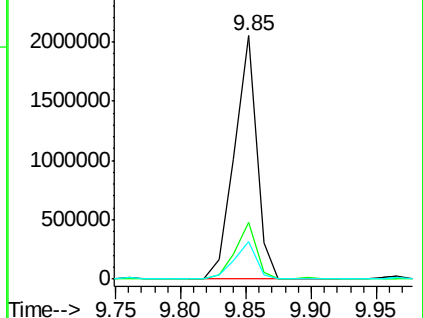


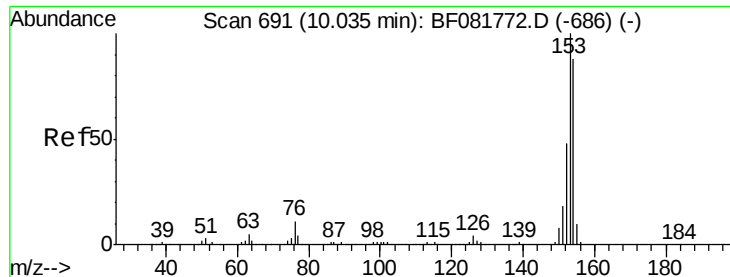
#48
 Acenaphthylene
 Concen: 98.75 ng
 RT: 9.85 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: BF081823.D
 Acq: 26 Sep 2015 12:53

Tgt Ion:152 Resp: 2433032
 Ion Ratio Lower Upper
 152 100
 151 23.2 14.6 22.0#
 153 15.3 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 31.85 ng

RT: 10.01 min Scan# 689

Delta R.T. -0.02 min

Lab File: BF081823.D

Acq: 26 Sep 2015 12:53

Instrument :

BNA_F

ClientSampleId :

MW-2B

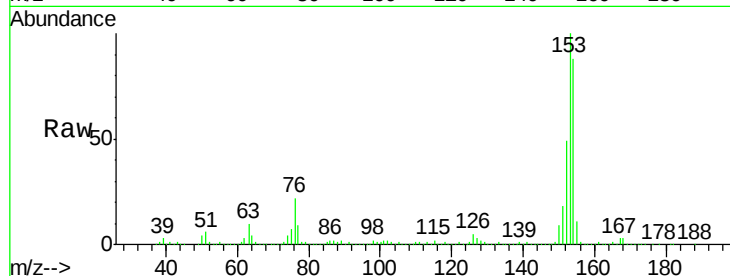
Tgt Ion:154 Resp: 452183

Ion Ratio Lower Upper

154 100

153 114.0 82.1 123.1

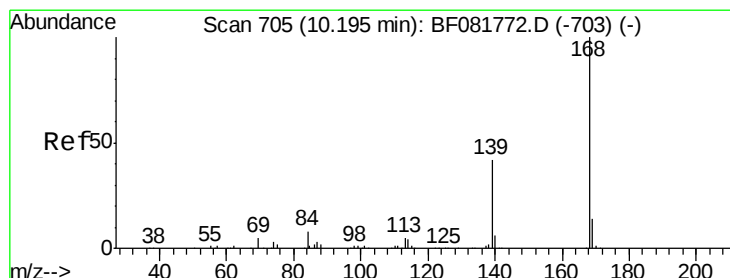
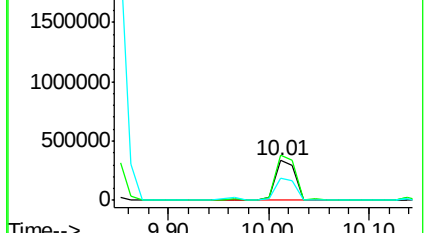
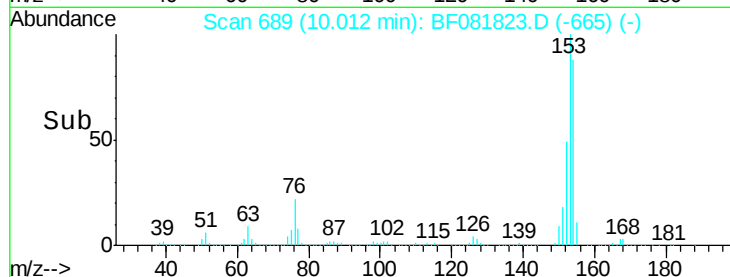
152 55.5 37.9 56.9



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: 4.13 ng

RT: 10.18 min Scan# 704

Delta R.T. -0.01 min

Lab File: BF081823.D

Acq: 26 Sep 2015 12:53

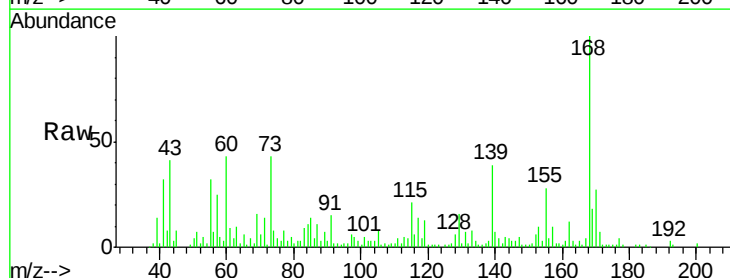
Tgt Ion:168 Resp: 86056

Ion Ratio Lower Upper

168 100

139 38.7 24.2 36.2#

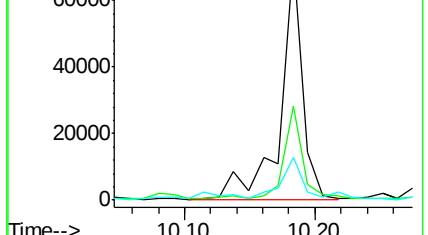
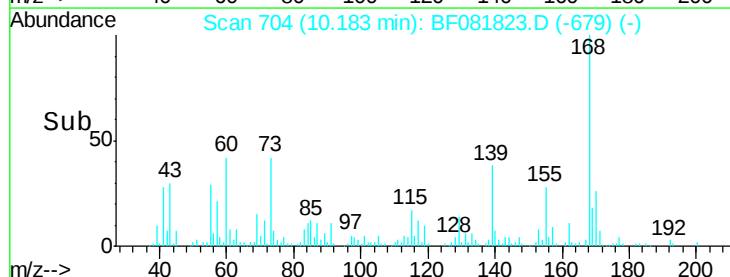
169 17.5 10.6 15.8#

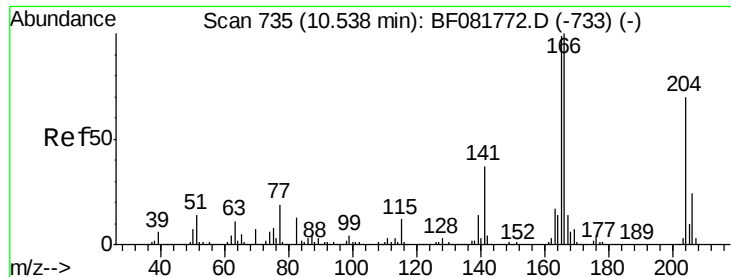


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

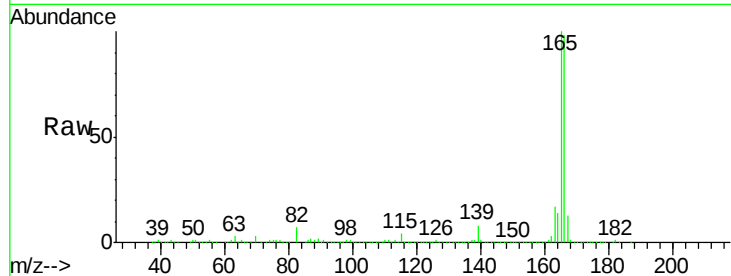




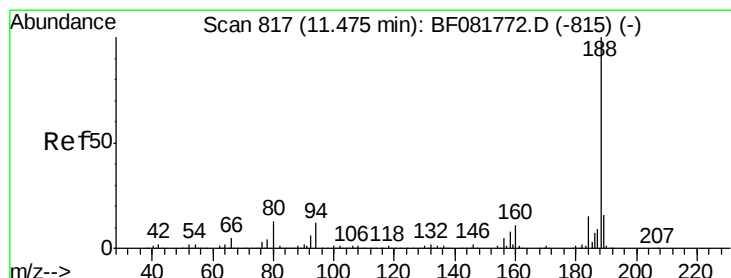
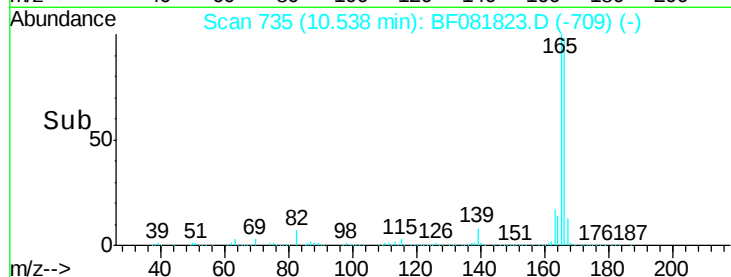
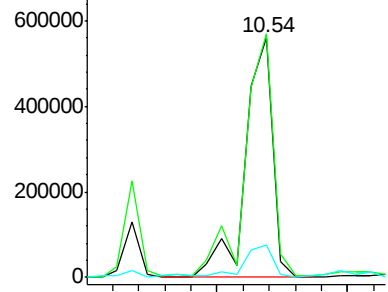
#57
Fluorene
 Concen: 50.89 ng
 RT: 10.54 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: BF081823.D
 Acq: 26 Sep 2015 12:53

Instrument :
 BNA_F
 ClientSampleId :
 MW-2B

Tgt Ion:166 Resp: 813350
 Ion Ratio Lower Upper
 166 100
 165 101.6 72.6 109.0
 167 13.6 10.6 16.0

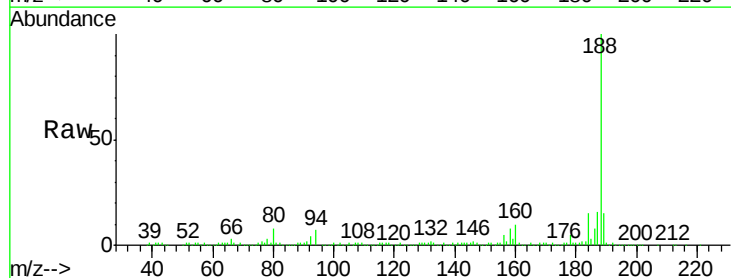


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

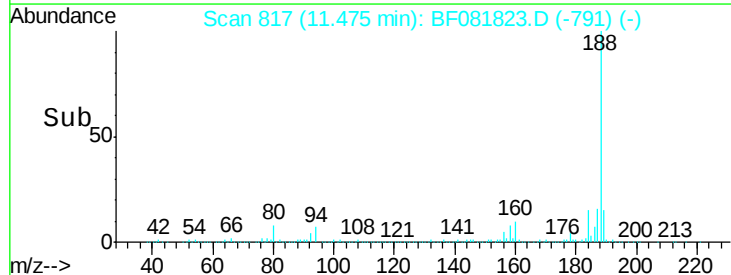
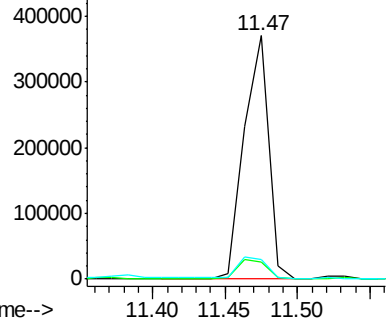


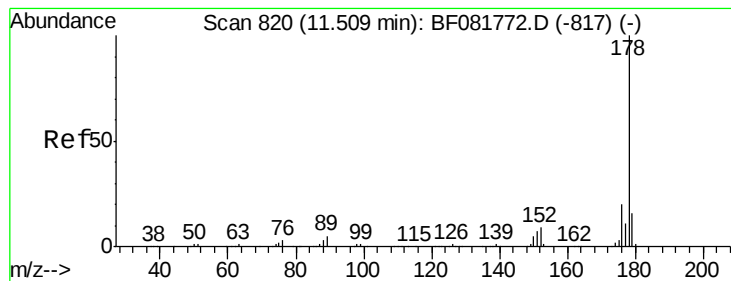
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.47 min Scan# 817
 Delta R.T. -0.00 min
 Lab File: BF081823.D
 Acq: 26 Sep 2015 12:53

Tgt Ion:188 Resp: 434878
 Ion Ratio Lower Upper
 188 100
 94 7.1 11.1 16.7#
 80 8.2 11.0 16.4#



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





#70

Phenanthrene

Concen: 61.79 ng m

RT: 11.50 min Scan# 819

Delta R.T. -0.01 min

Lab File: BF081823.D

Acq: 26 Sep 2015 12:53

Instrument :

BNA_F

ClientSampleId :

MW-2B

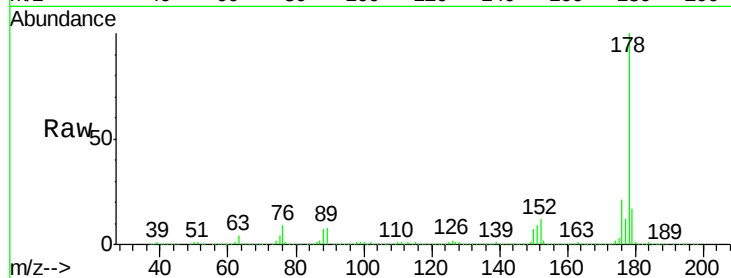
Tgt Ion:178 Resp: 1536338

Ion Ratio Lower Upper

178 100

176 21.2 13.8 20.8#

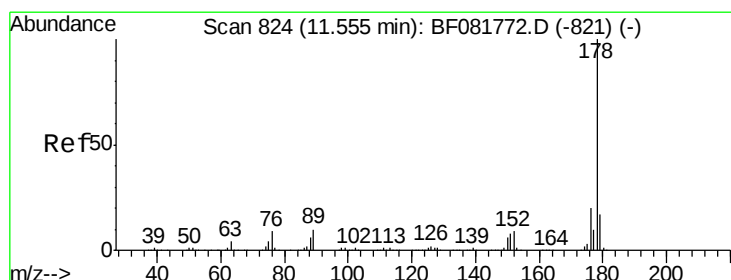
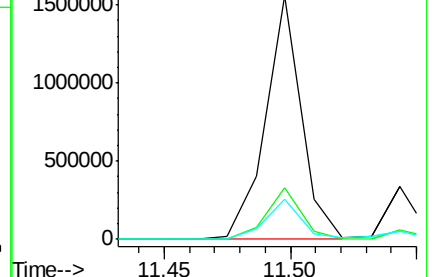
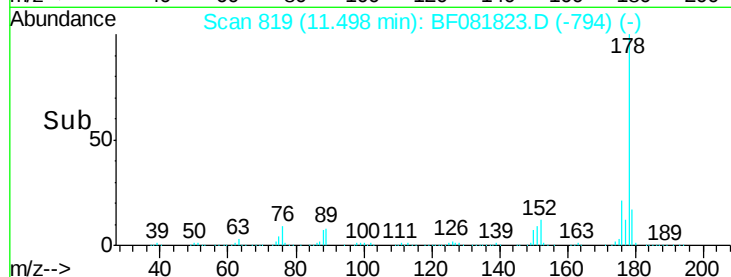
179 16.6 12.2 18.2



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



#71

Anthracene

Concen: 12.03 ng

RT: 11.54 min Scan# 823

Delta R.T. -0.01 min

Lab File: BF081823.D

Acq: 26 Sep 2015 12:53

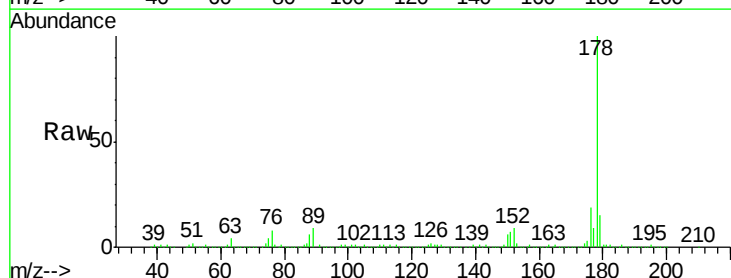
Tgt Ion:178 Resp: 288102

Ion Ratio Lower Upper

178 100

176 18.9 14.1 21.1

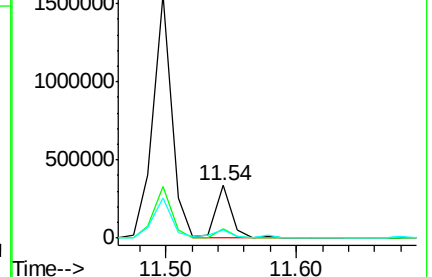
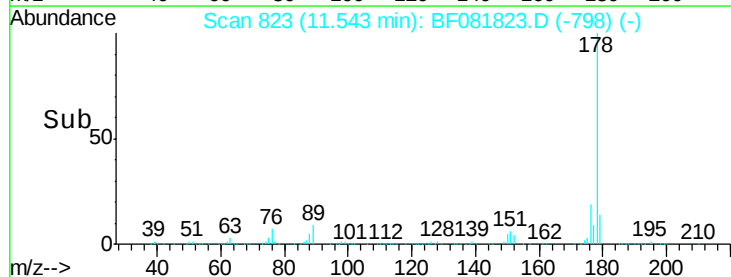
179 15.4 12.2 18.2

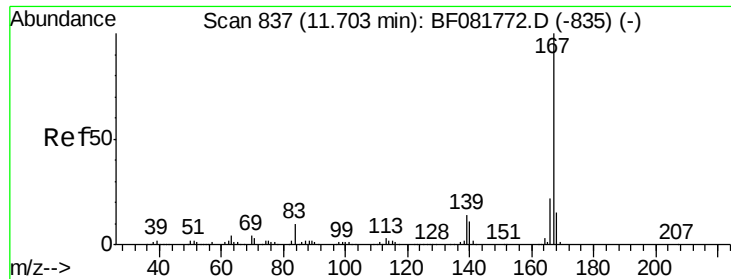


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

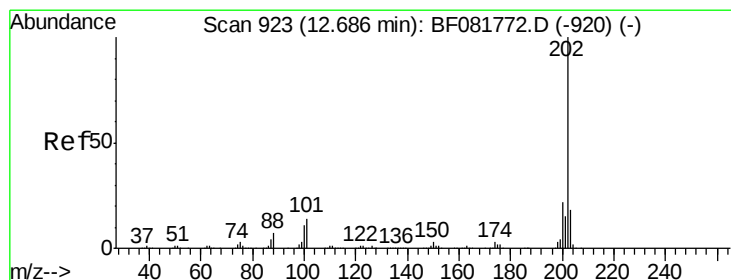
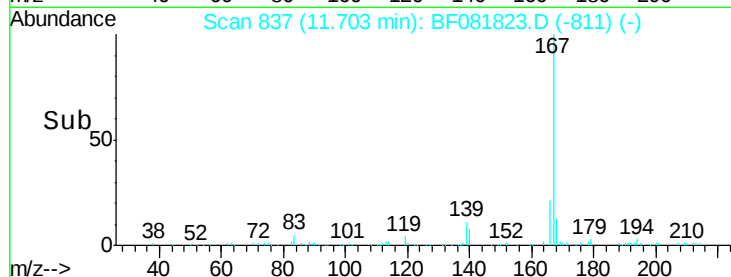
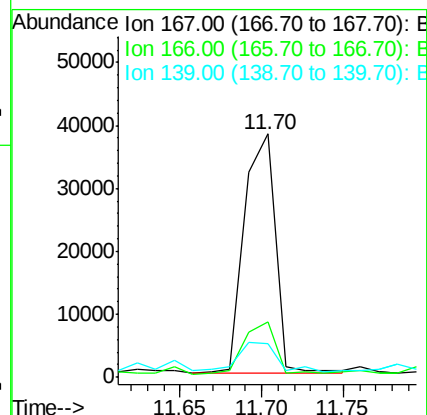
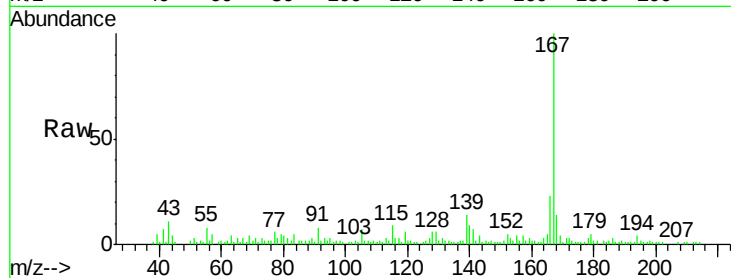




#72
 Carbazole
 Concen: 2.25 ng
 RT: 11.70 min Scan# 837
 Delta R.T. 0.00 min
 Lab File: BF081823.D
 Acq: 26 Sep 2015 12:53

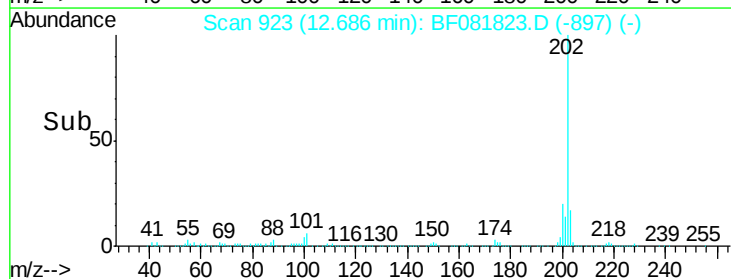
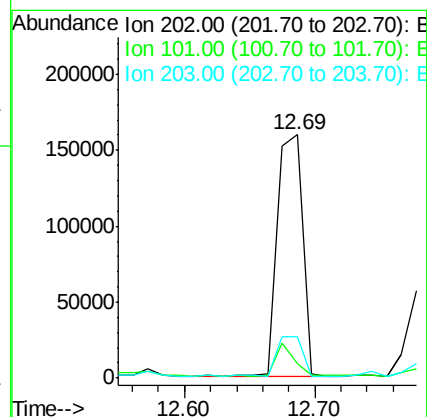
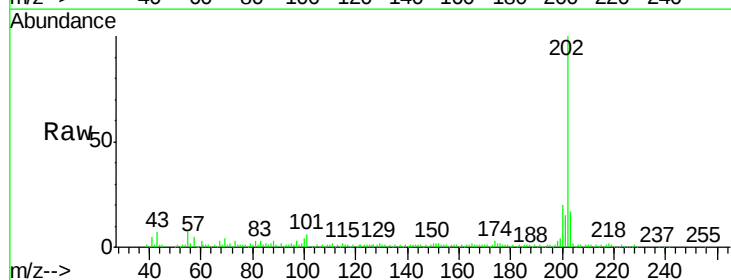
Instrument :
 BNA_F
 ClientSampleId :
 MW-2B

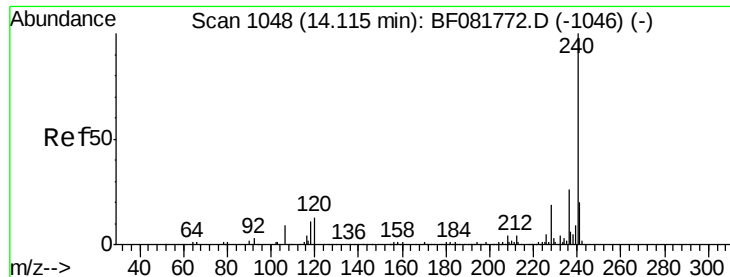
Tgt Ion:167 Resp: 50031
 Ion Ratio Lower Upper
 167 100
 166 22.6 15.7 23.5
 139 13.7 9.5 14.3



#74
 Fluoranthene
 Concen: 8.68 ng
 RT: 12.69 min Scan# 923
 Delta R.T. -0.00 min
 Lab File: BF081823.D
 Acq: 26 Sep 2015 12:53

Tgt Ion:202 Resp: 217480
 Ion Ratio Lower Upper
 202 100
 101 6.1 0.0 38.3
 203 16.9 0.0 37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.12 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF081823.D

Acq: 26 Sep 2015 12:53

Instrument :

BNA_F

ClientSampleId :

MW-2B

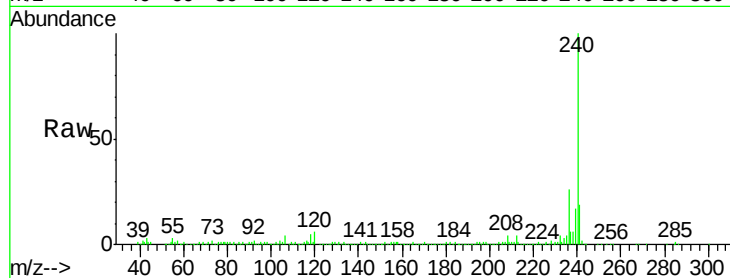
Tgt Ion:240 Resp: 367033

Ion Ratio Lower Upper

240 100

120 5.9 16.2 24.2#

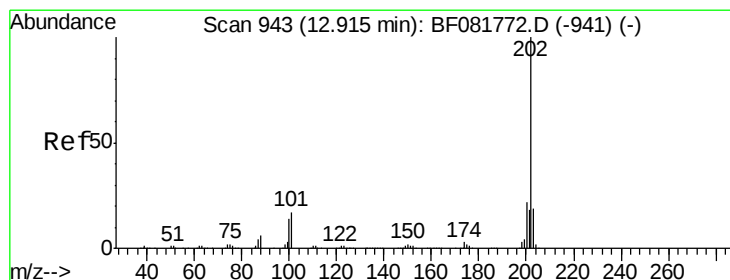
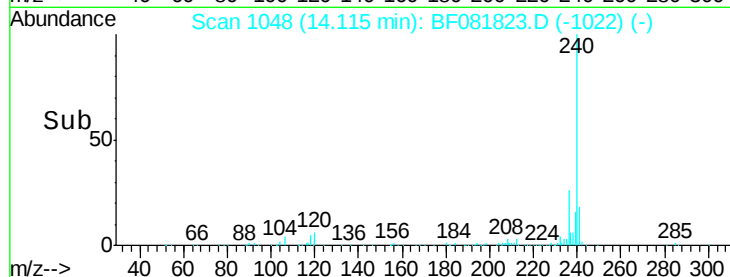
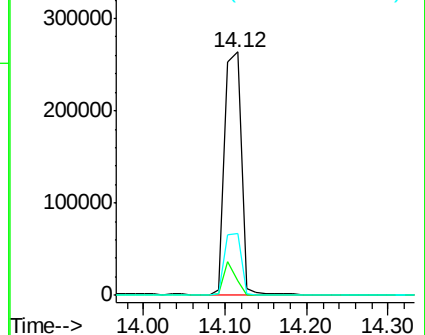
236 25.6 18.4 27.6



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: 9.61 ng

RT: 12.91 min Scan# 943

Delta R.T. -0.00 min

Lab File: BF081823.D

Acq: 26 Sep 2015 12:53

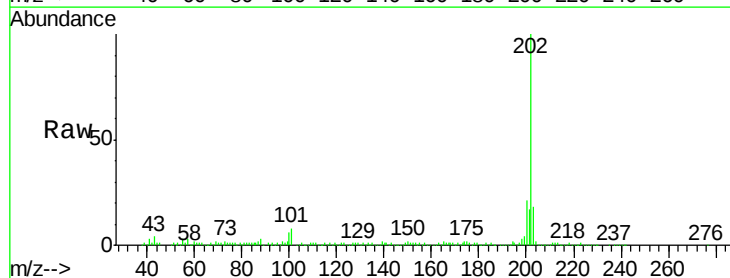
Tgt Ion:202 Resp: 265999

Ion Ratio Lower Upper

202 100

200 20.8 15.0 22.4

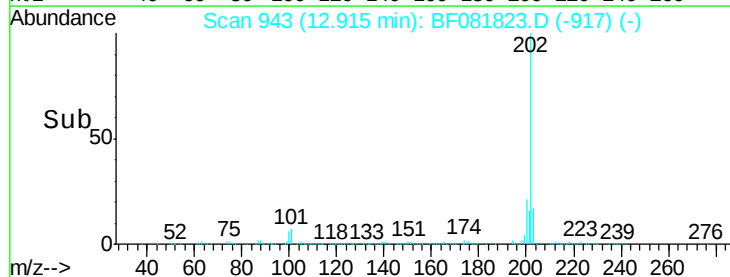
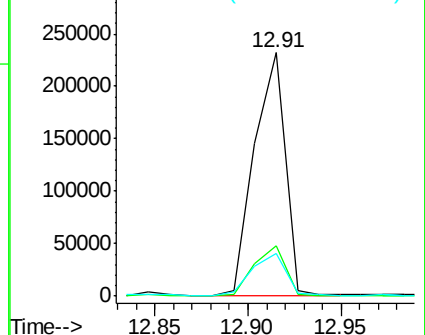
203 17.6 14.1 21.1

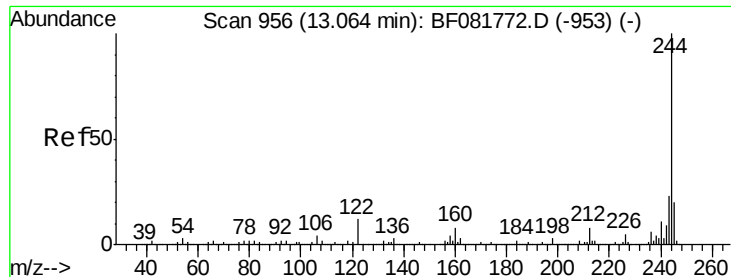


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

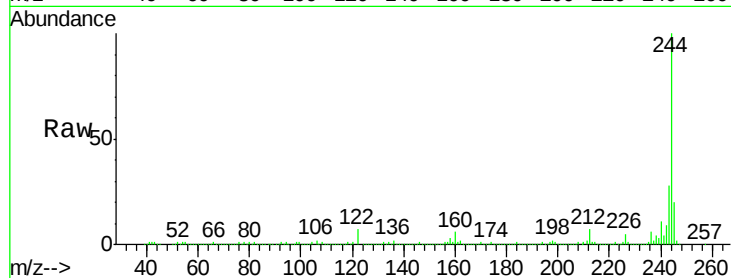




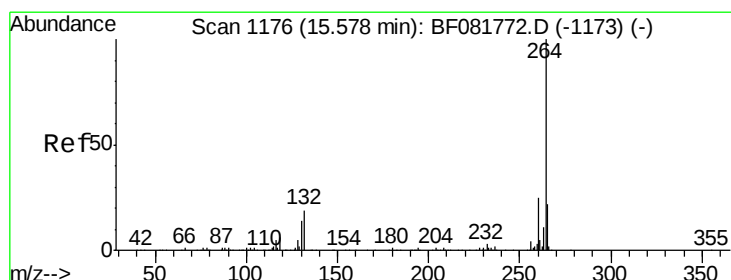
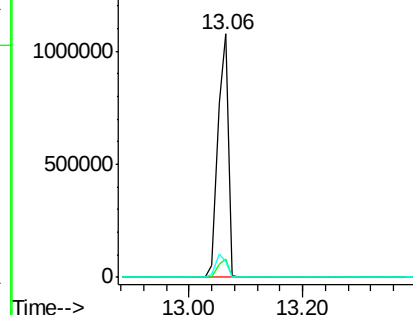
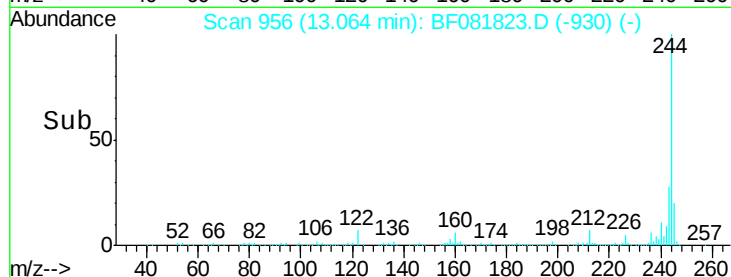
#78
 Terphenyl-d14
 Concen: 82.01 ng
 RT: 13.06 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: BF081823.D
 Acq: 26 Sep 2015 12:53

Instrument :
 BNA_F
 ClientSampleId :
 MW-2B

Tgt Ion:244 Resp: 1317700
 Ion Ratio Lower Upper
 244 100
 212 7.4 4.3 6.5#
 122 6.7 17.4 26.2#

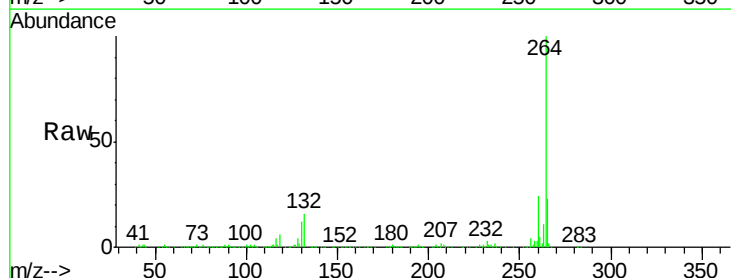


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.58 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: BF081823.D
 Acq: 26 Sep 2015 12:53

Tgt Ion:264 Resp: 320893
 Ion Ratio Lower Upper
 264 100
 260 24.0 16.7 25.1
 265 22.6 17.2 25.8



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

