

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043017\
 Data File : BF094737.D
 Acq On : 1 May 2017 2:52
 Operator : SJ/MA
 Sample : I2902-03
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-3B

Quant Time: May 01 05:09:31 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

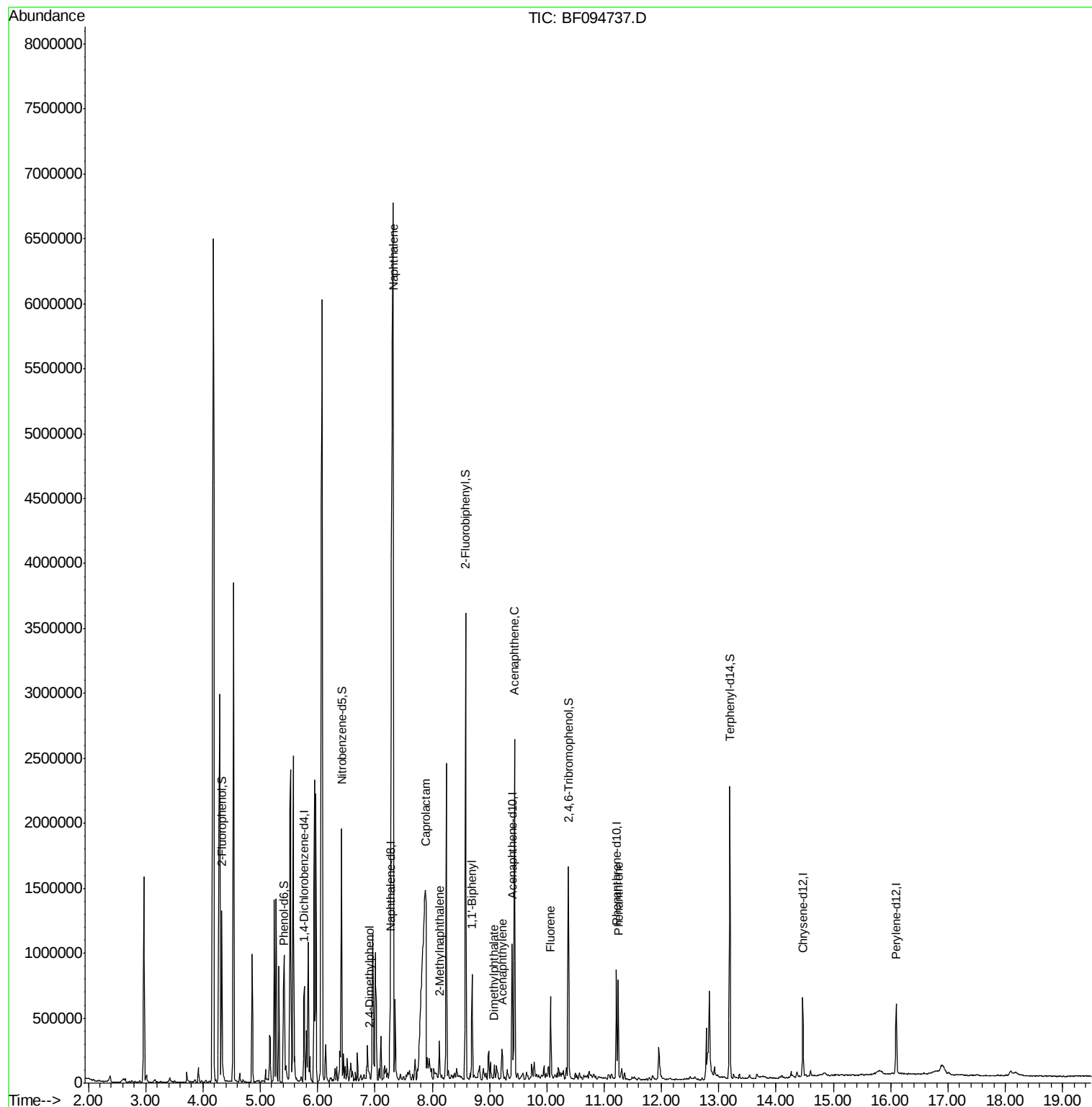
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	108556	20.00	ng	0.00
21) Naphthalene-d8	7.27	136	431299	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	204994	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	339895	20.00	ng	0.00
75) Chrysene-d12	14.47	240	229862	20.00	ng	0.00
86) Perylene-d12	16.09	264	213092	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.32	112	413725	63.23	ng	0.02
7) Phenol-d6	5.40	99	327226	42.42	ng	0.00
23) Nitrobenzene-d5	6.42	82	657363	94.11	ng	0.00
41) 2,4,6-Tribromophenol	10.38	330	229067	142.86	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	1260911	90.50	ng	0.00
78) Terphenyl-d14	13.19	244	840202	97.70	ng	0.00
Target Compounds						Qvalue
27) 2,4-Dimethylphenol	6.91	122	13885	2.16	ng	99
31) Naphthalene	7.32	128	6833434	329.57	ng	97
35) Caprolactam	7.88	113	734166	391.37	ng	89
37) 2-Methylnaphthalene	8.12	142	74455	5.25	ng	98
45) 1,1'-Biphenyl	8.70	154	253426	15.13	ng	98
48) Acenaphthylene	9.22	152	76143	3.67	ng	# 96
49) Dimethylphthalate	9.08	163	51217	3.35	ng	97
51) Acenaphthene	9.44	154	640065	51.48	ng	98
57) Fluorene	10.07	166	168472	11.97	ng	98
70) Phenanthrene	11.24	178	294138	15.37	ng	98

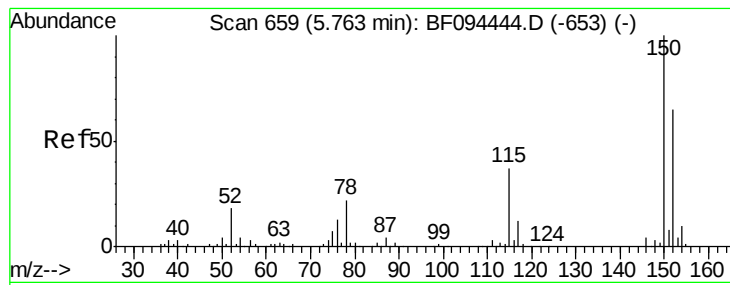
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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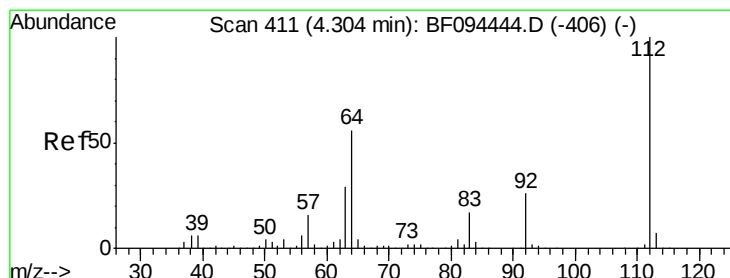
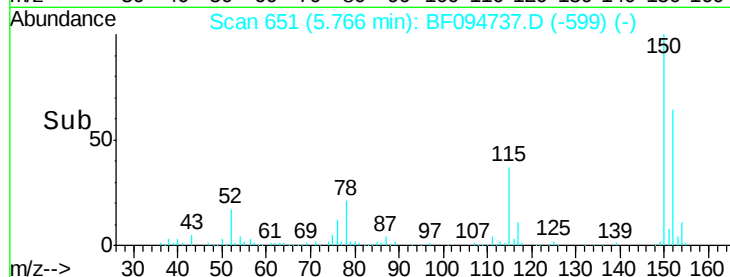
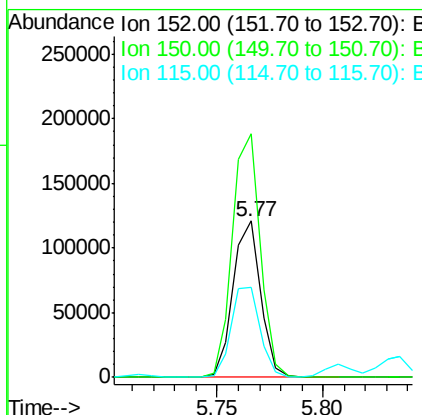
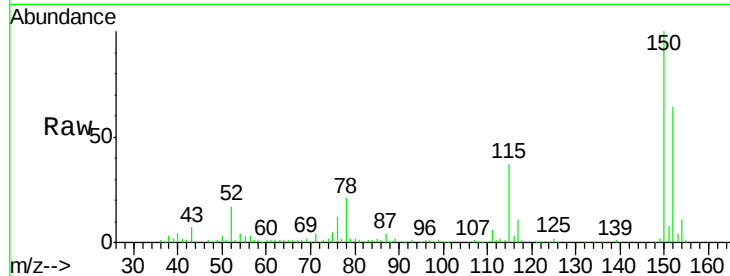




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.77 min Scan# 651
 Delta R.T. 0.00 min
 Lab File: BF094737.D
 Acq: 1 May 2017 2:52

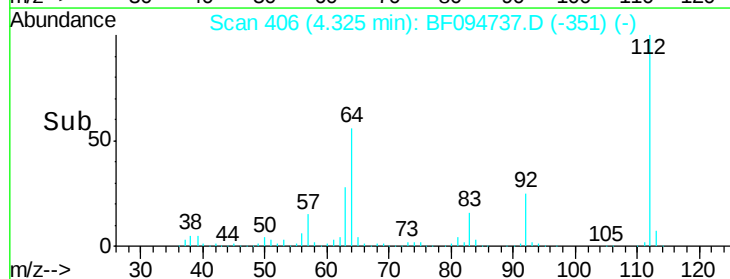
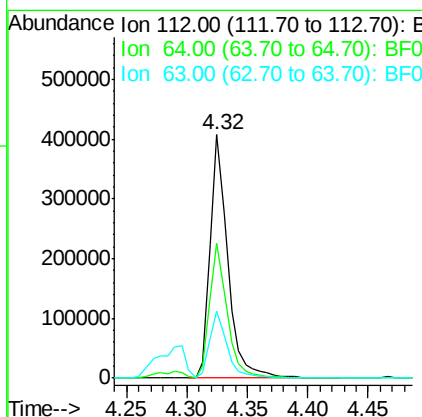
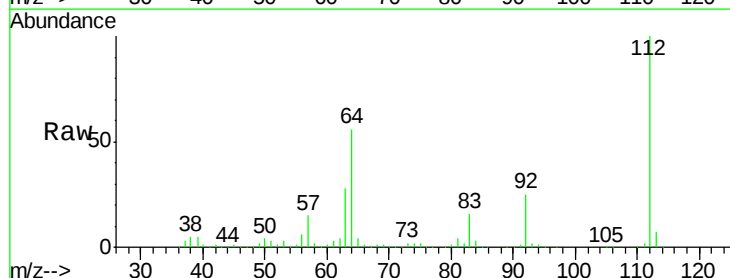
Instrument :
 BNA_F
 ClientSampled :
 MW-3B

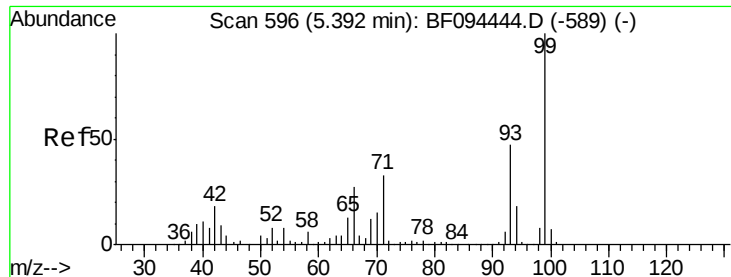
Tot Ion:152 Resp: 108556
 Ion Ratio Lower Upper
 152 100
 150 155.6 126.2 189.2
 115 57.8 52.2 78.2



#5
 2-Fluorophenol
 Concen: 63.23 ng
 RT: 4.32 min Scan# 406
 Delta R.T. 0.02 min
 Lab File: BF094737.D
 Acq: 1 May 2017 2:52

Tgt Ion:112 Resp: 413725
 Ion Ratio Lower Upper
 112 100
 64 55.6 46.0 69.0
 63 27.6 23.4 35.0





#7

Phenol-d6

Concen: 42.42 ng

RT: 5.40 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF094737.D

Acq: 1 May 2017 2:52

Instrument :

BNA_F

ClientSampled :

MW-3B

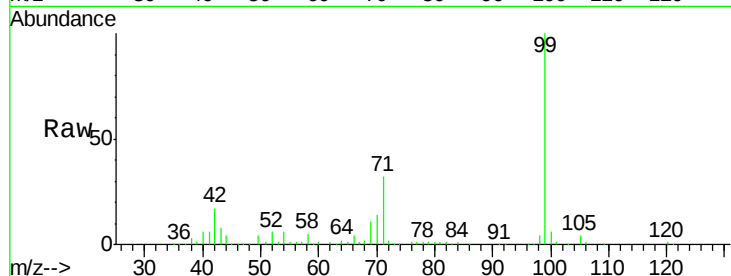
Tot Ion: 99 Resp: 327226

Ion Ratio Lower Upper

99 100

42 17.0 13.5 20.3

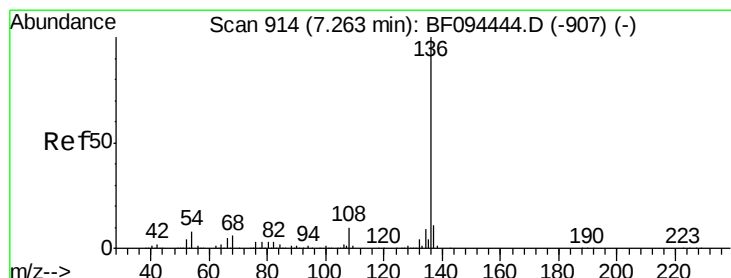
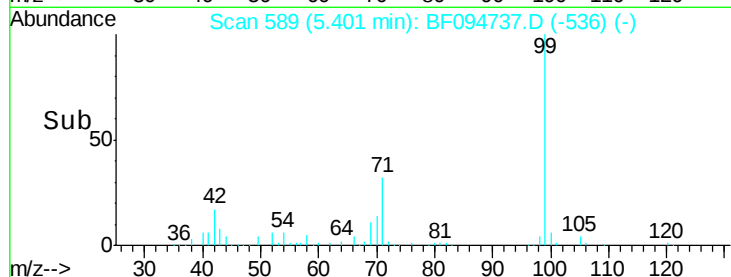
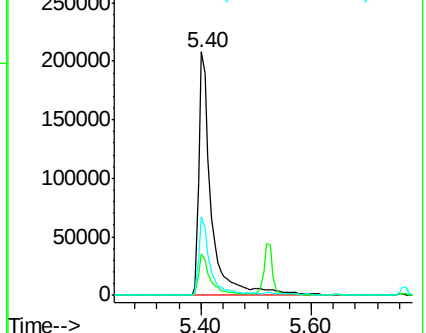
71 32.4 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.27 min Scan# 906

Delta R.T. 0.00 min

Lab File: BF094737.D

Acq: 1 May 2017 2:52

Tgt Ion: 136 Resp: 431299

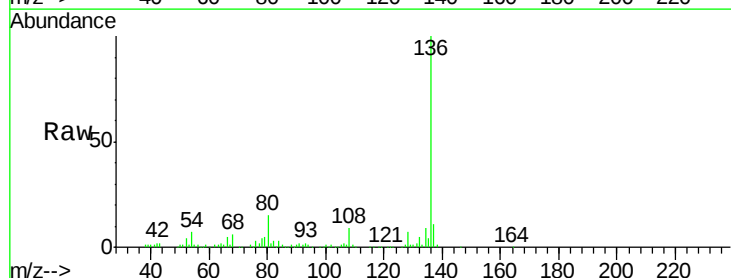
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 7.2 4.9 7.3

68 5.6 4.1 6.1

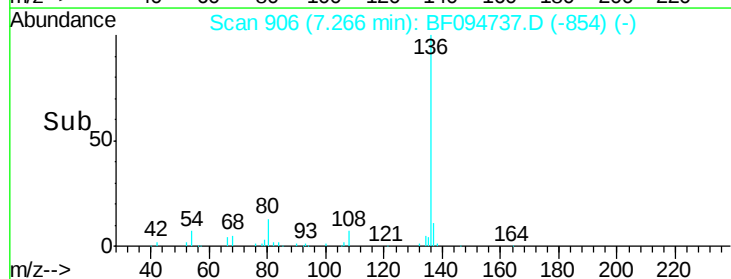
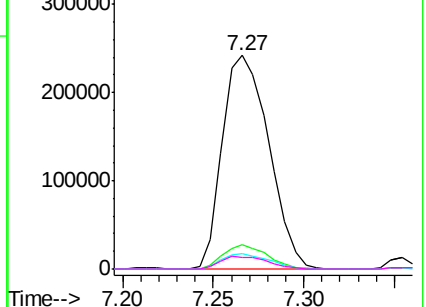


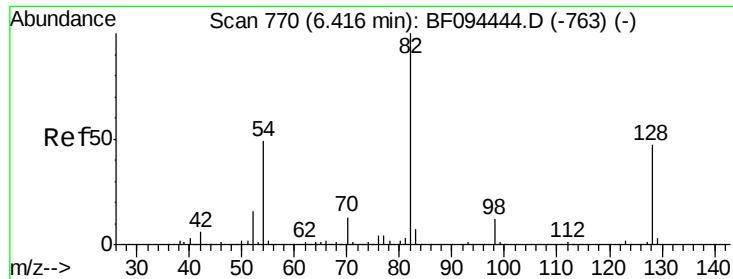
Abundance Ion 136.00 (135.70 to 136.70): E

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

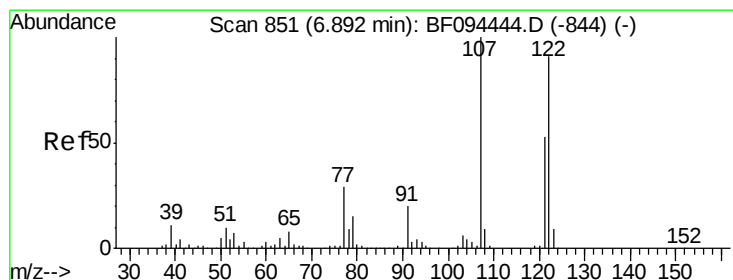
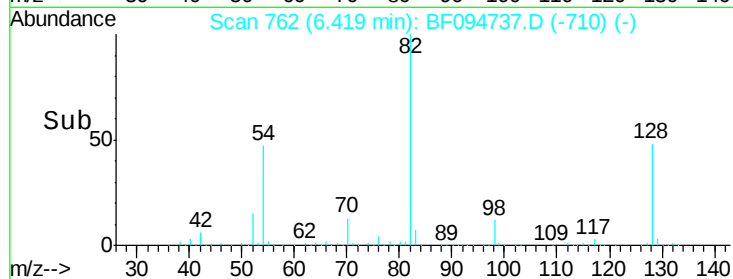
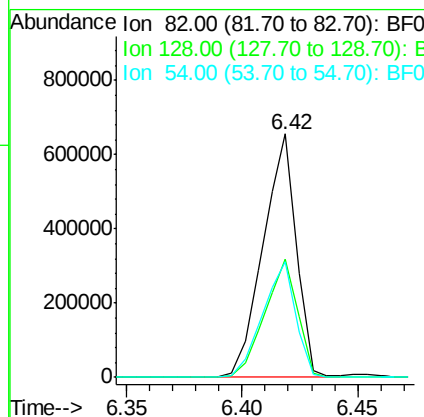
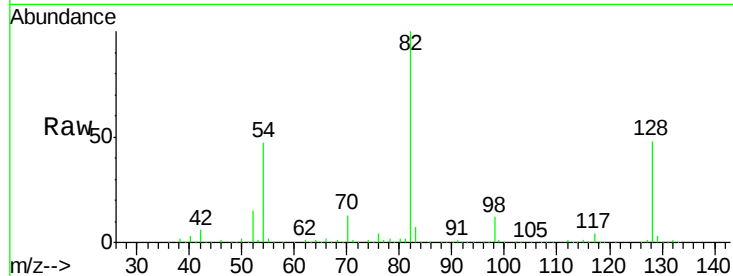




#23
 Nitrobenzene-d5
 Concen: 94.11 ng
 RT: 6.42 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BF094737.D
 Acq: 1 May 2017 2:52

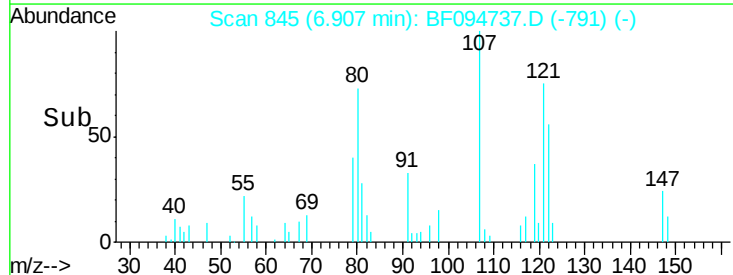
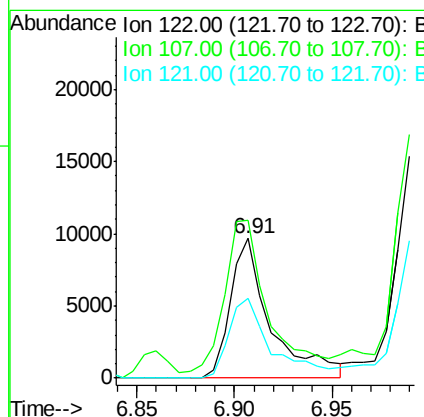
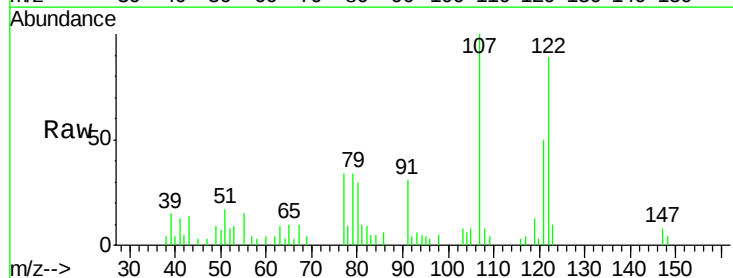
Instrument :
 BNA_F
 ClientSampleId :
 MW-3B

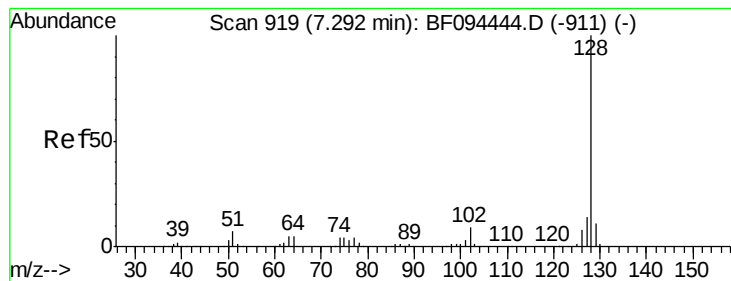
Tot Ion	82	Resp	657363
Ion Ratio	Lower	Upper	
82	100		
128	48.4	34.0	51.0
54	47.4	42.2	63.2



#27
 2,4-Dimethylphenol
 Concen: 2.16 ng
 RT: 6.91 min Scan# 845
 Delta R.T. 0.01 min
 Lab File: BF094737.D
 Acq: 1 May 2017 2:52

Tgt Ion	122	Resp	13885
Ion Ratio	Lower	Upper	
122	100		
107	112.8	89.2	133.8
121	56.8	45.2	67.8





#31

Naphthalene

Concen: 329.57 ng

RT: 7.32 min Scan# 915

Delta R.T. 0.03 min

Lab File: BF094737.D

Acq: 1 May 2017 2:52

Instrument :

BNA_F

ClientSampleId :

MW-3B

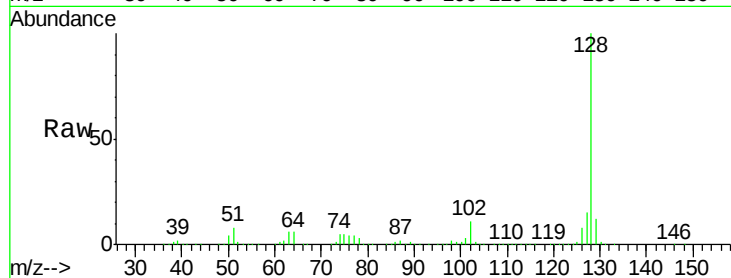
Tot Ion:128 Resp: 6833434

Ion Ratio Lower Upper

128 100

129 11.8 9.0 13.6

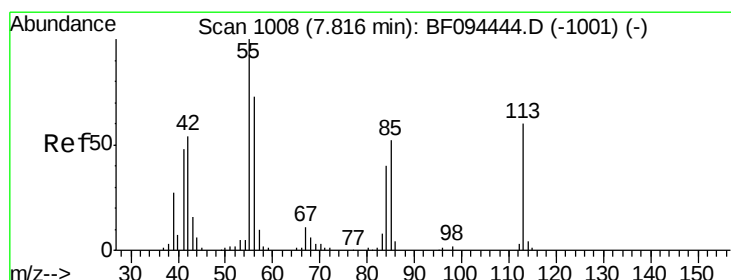
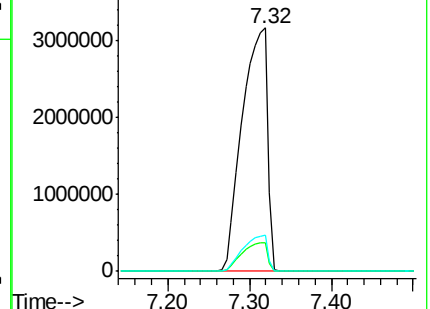
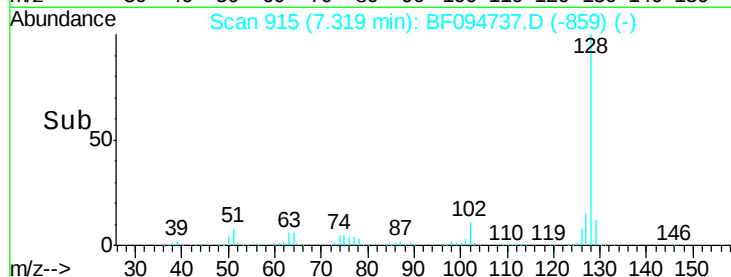
127 15.0 10.8 16.2



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



#35

Caprolactam

Concen: 391.37 ng

RT: 7.88 min Scan# 1011

Delta R.T. 0.07 min

Lab File: BF094737.D

Acq: 1 May 2017 2:52

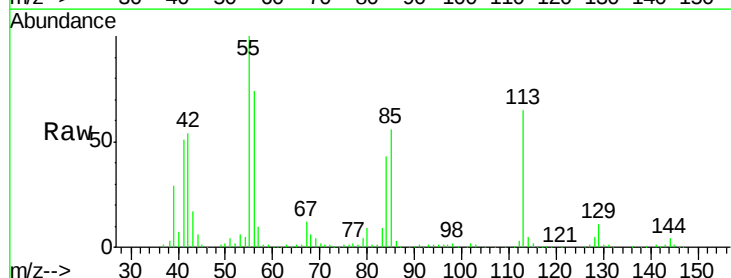
Tgt Ion:113 Resp: 734166

Ion Ratio Lower Upper

113 100

55 154.5 150.2 190.2

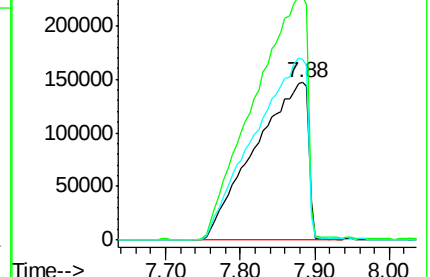
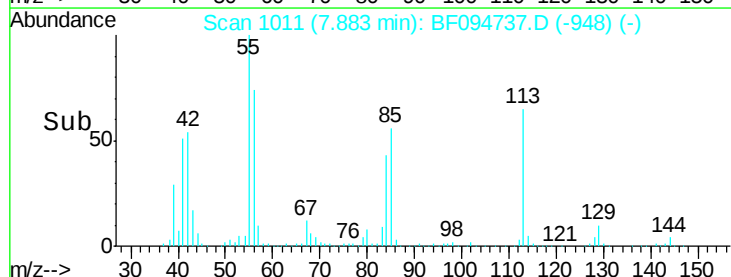
56 114.7 107.8 147.8

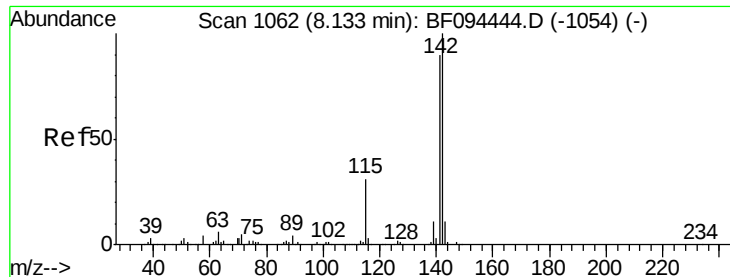


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

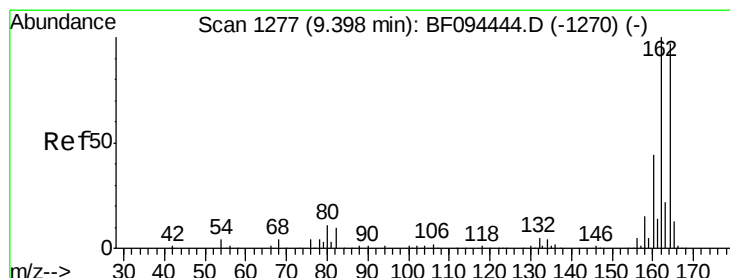
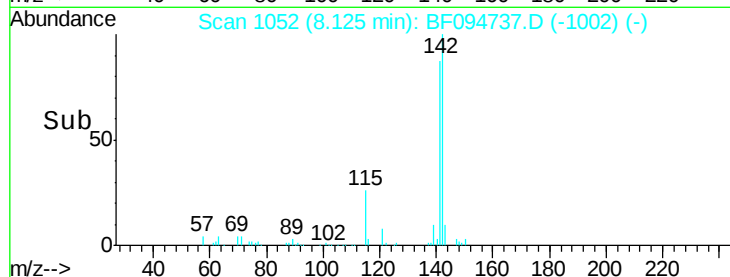
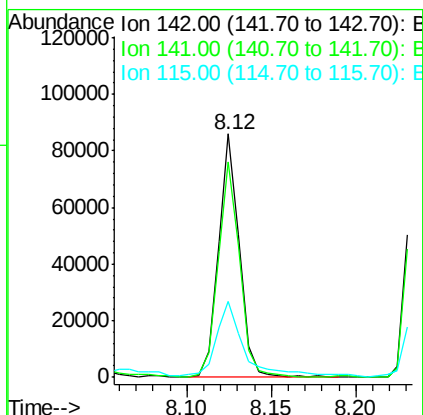
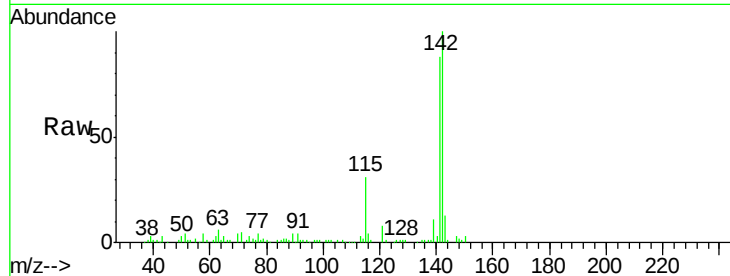




#37
2-Methylnaphthalene
Concen: 5.25 ng
RT: 8.12 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BF094737.D
Acq: 1 May 2017 2:52

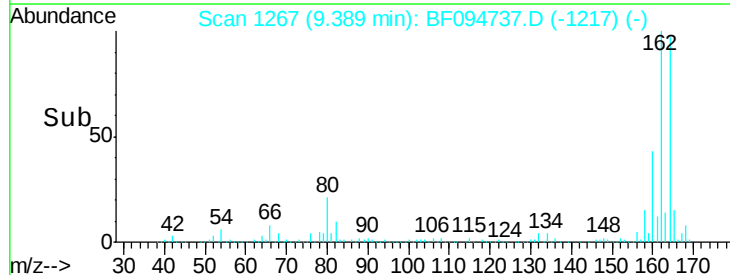
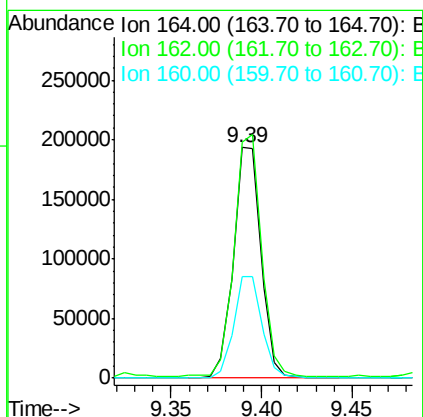
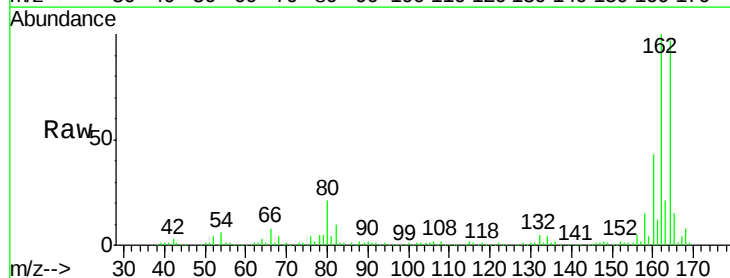
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BNA_F
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MW-3B

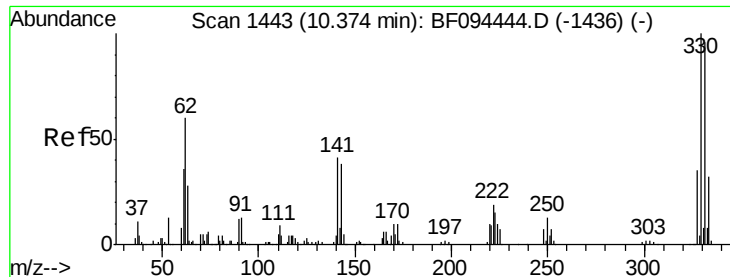
Tot Ion:142 Resp: 74455
Ion Ratio Lower Upper
142 100
141 88.2 71.3 106.9
115 31.1 27.1 40.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.39 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF094737.D
Acq: 1 May 2017 2:52

Tgt Ion:164 Resp: 204994
Ion Ratio Lower Upper
164 100
162 102.6 82.6 123.8
160 44.3 36.2 54.2

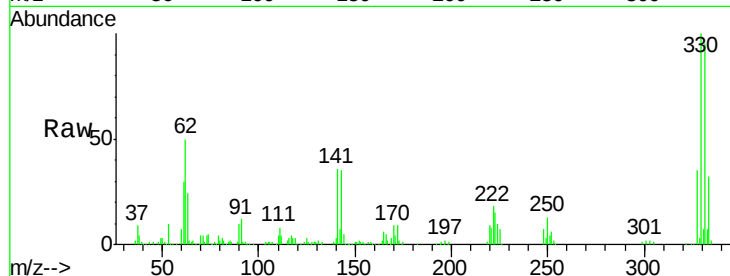




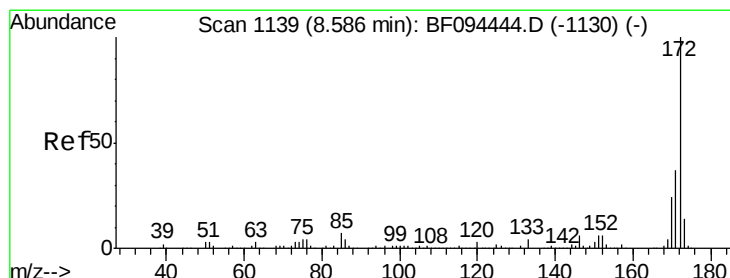
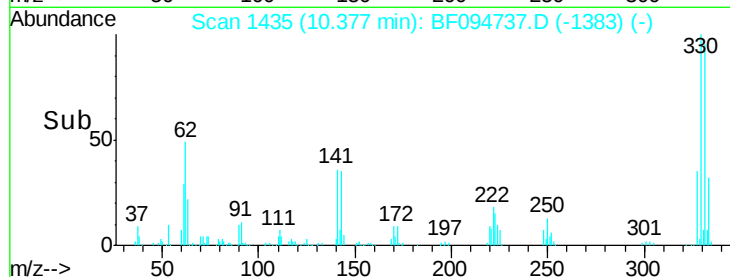
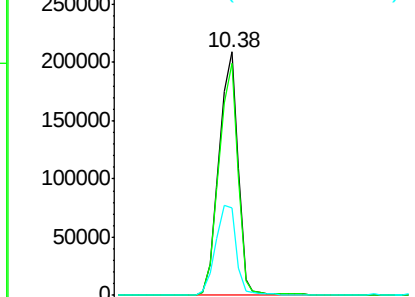
#41
 2,4,6-Tribromophenol
 Concen: 142.86 ng
 RT: 10.38 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: BF094737.D
 Acq: 1 May 2017 2:52

Instrument :
 BNA_F
 ClientSampleId :
 MW-3B

Tot Ion:330 Resp: 229067
 Ion Ratio Lower Upper
 330 100
 332 94.9 76.6 115.0
 141 39.3 31.4 47.2

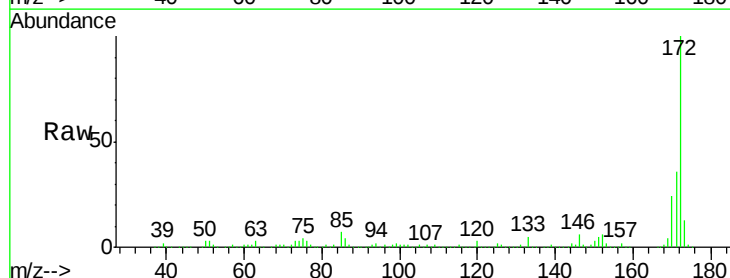


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

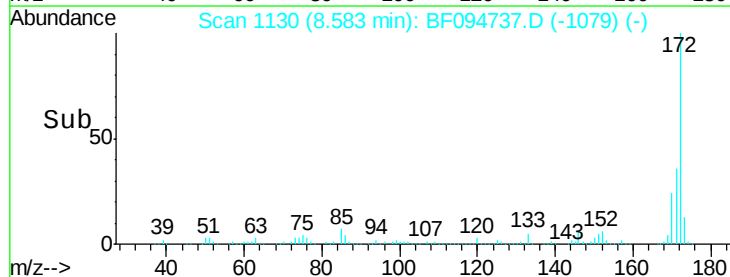
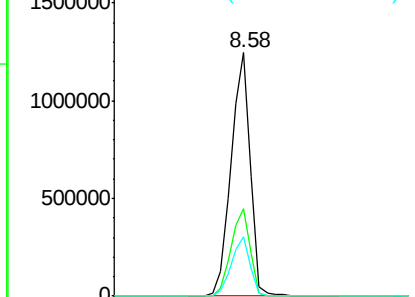


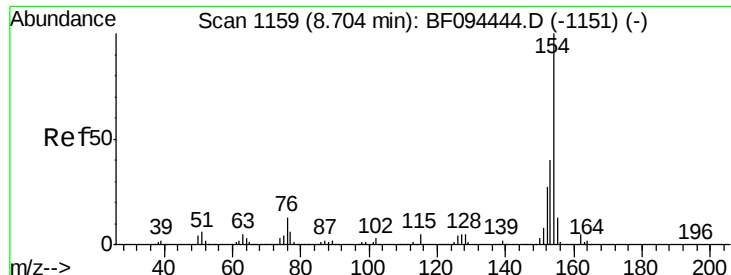
#44
 2-Fluorobiphenyl
 Concen: 90.50 ng
 RT: 8.58 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: BF094737.D
 Acq: 1 May 2017 2:52

Tgt Ion:172 Resp: 1260911
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.6 44.4
 170 24.1 19.8 29.8



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





#45

1,1'-Biphenyl

Concen: 15.13 ng

RT: 8.70 min Scan# 1149

Delta R.T. -0.01 min

Lab File: BF094737.D

Acq: 1 May 2017 2:52

Instrument :

BNA_F

ClientSampleId :

MW-3B

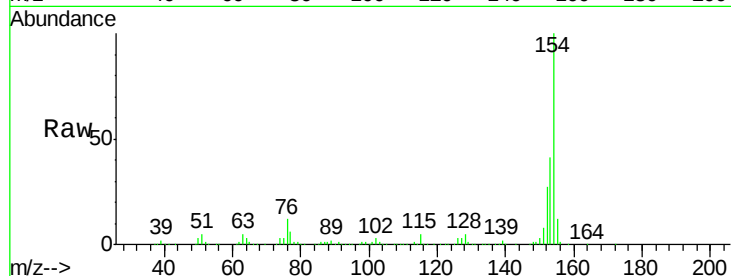
Tot Ion:154 Resp: 253426

Ion Ratio Lower Upper

154 100

153 40.8 21.2 61.2

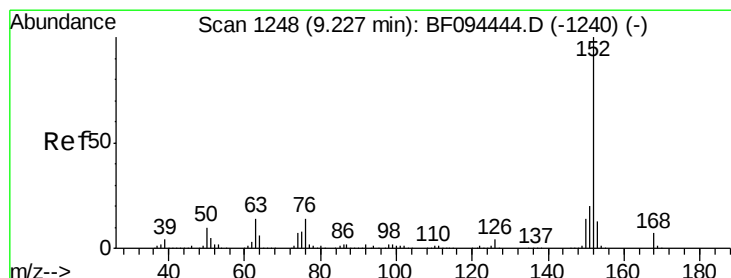
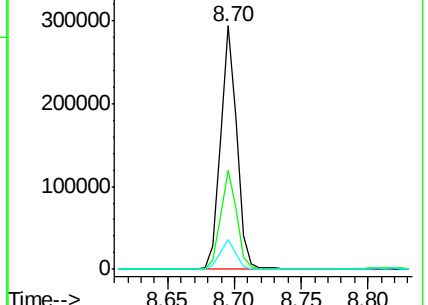
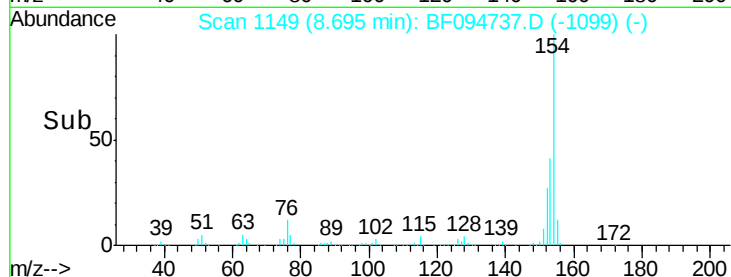
76 12.1 0.0 29.9



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: 3.67 ng

RT: 9.22 min Scan# 1238

Delta R.T. -0.01 min

Lab File: BF094737.D

Acq: 1 May 2017 2:52

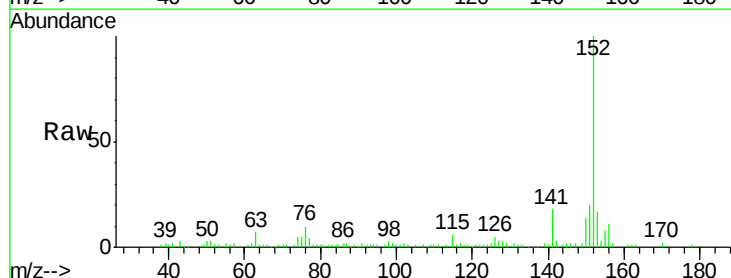
Tgt Ion:152 Resp: 76143

Ion Ratio Lower Upper

152 100

151 20.3 16.8 25.2

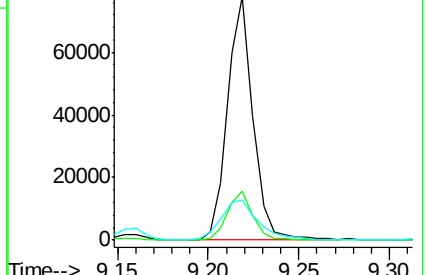
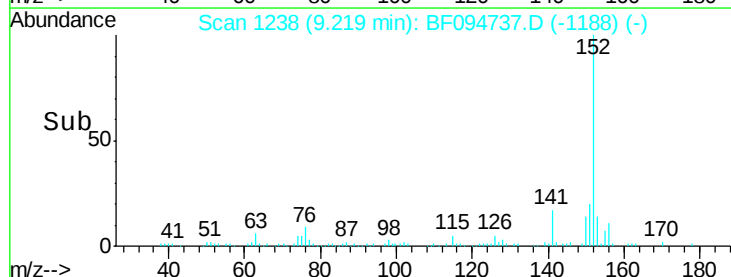
153 16.5 10.8 16.2#

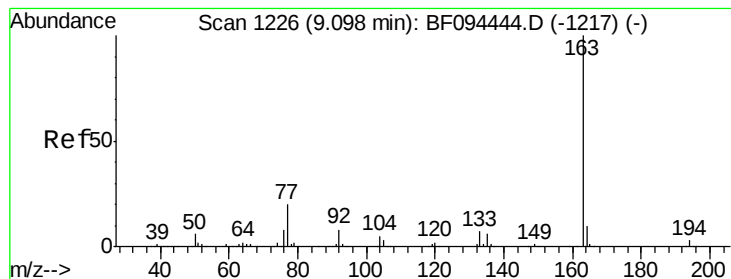


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 3.35 ng

RT: 9.08 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF094737.D

Acq: 1 May 2017 2:52

Instrument :

BNA_F

ClientSampleId :

MW-3B

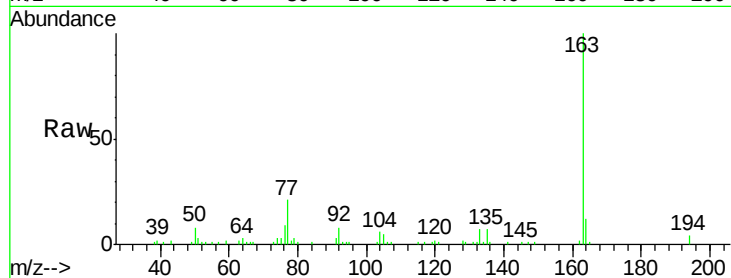
Tot Ion:163 Resp: 51217

Ion Ratio Lower Upper

163 100

194 3.7 2.6 4.0

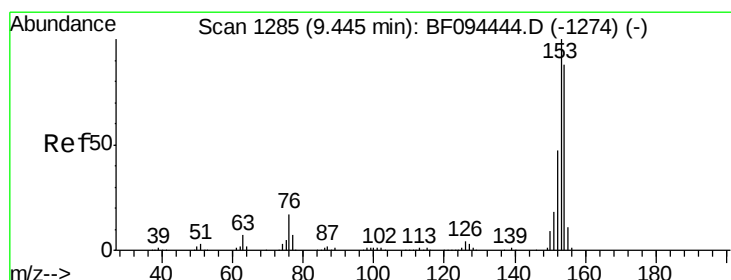
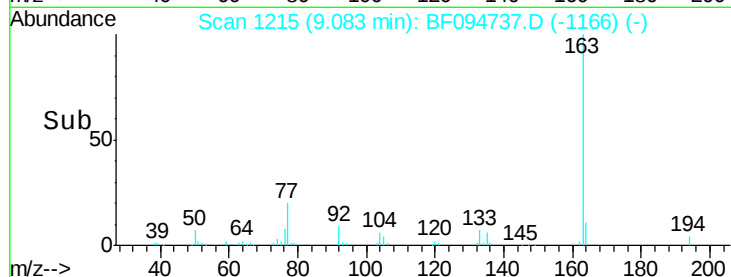
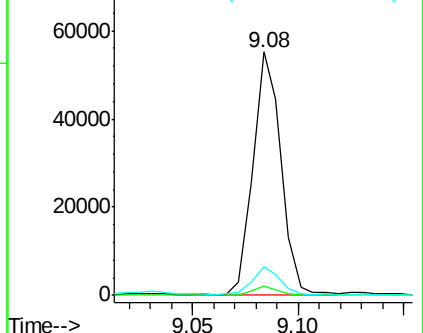
164 11.7 8.4 12.6



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: 51.48 ng

RT: 9.44 min Scan# 1275

Delta R.T. -0.01 min

Lab File: BF094737.D

Acq: 1 May 2017 2:52

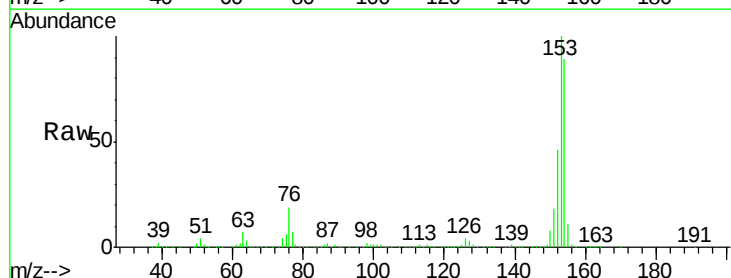
Tgt Ion:154 Resp: 640065

Ion Ratio Lower Upper

154 100

153 112.0 90.5 135.7

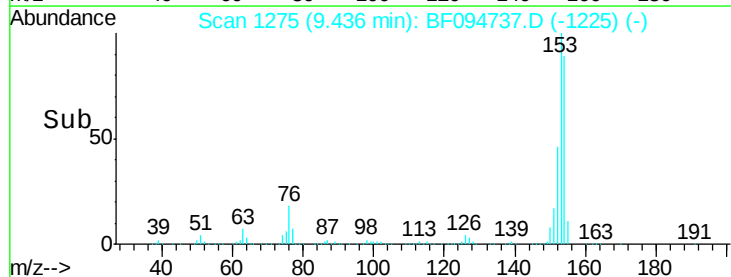
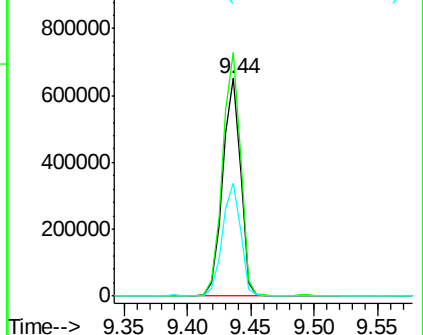
152 52.1 43.6 65.4

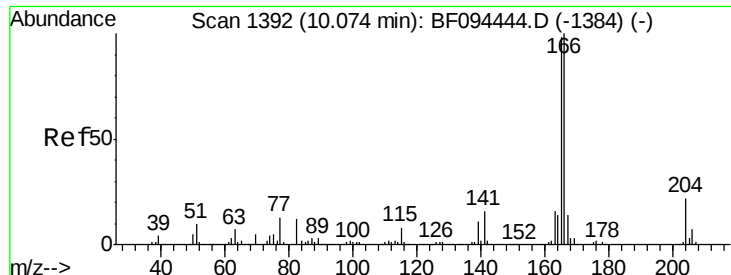


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

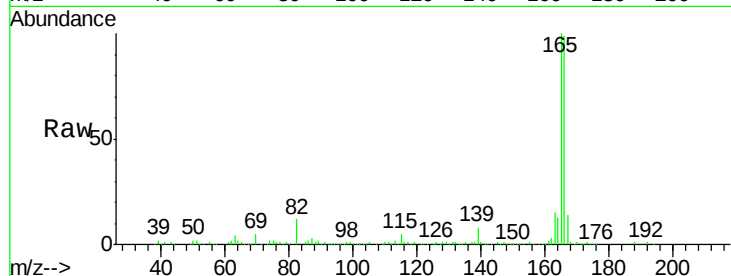




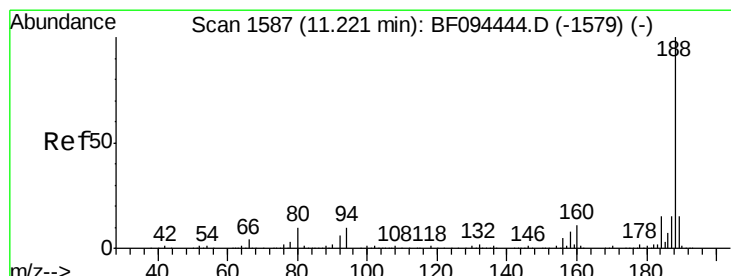
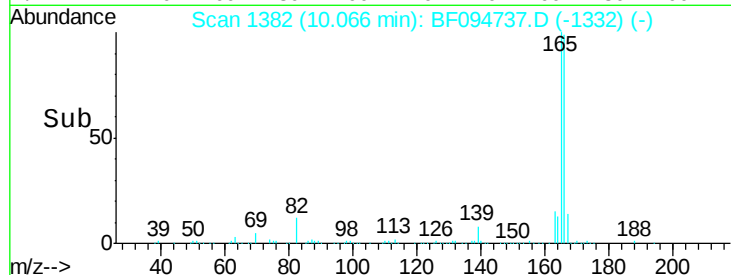
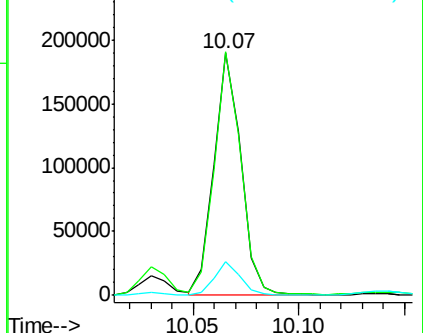
#57
Fluorene
 Concen: 11.97 ng
 RT: 10.07 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: BF094737.D
 Acq: 1 May 2017 2:52

Instrument :
 BNA_F
 ClientSampleId :
 MW-3B

Tot Ion:166 Resp: 168472
 Ion Ratio Lower Upper
 166 100
 165 100.7 78.8 118.2
 167 13.8 10.6 16.0

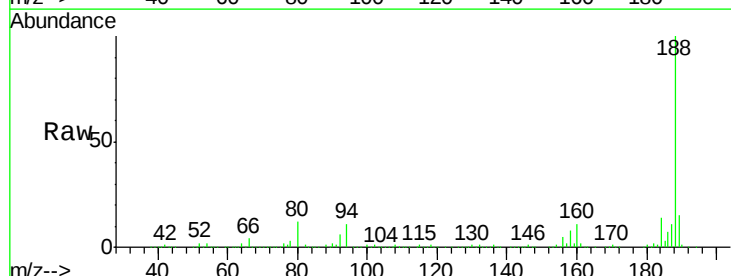


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

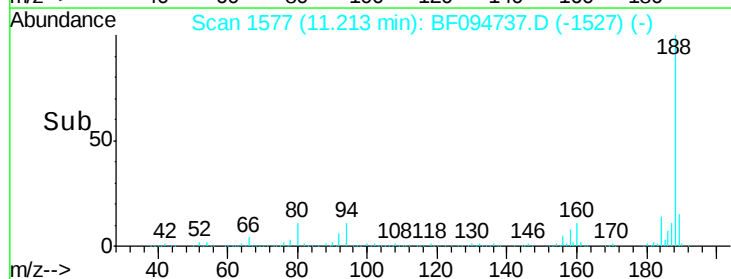
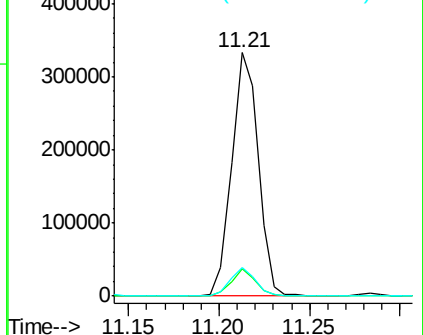


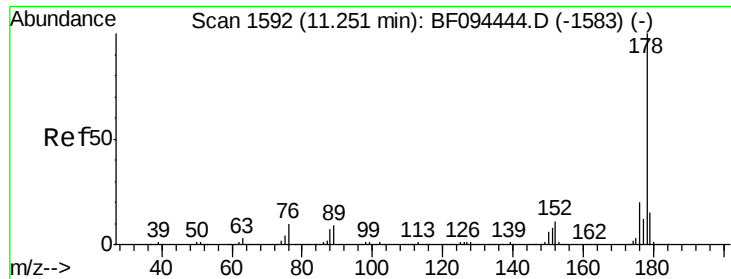
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.21 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF094737.D
 Acq: 1 May 2017 2:52

Tgt Ion:188 Resp: 339895
 Ion Ratio Lower Upper
 188 100
 94 11.2 9.4 14.2
 80 11.6 10.2 15.2



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

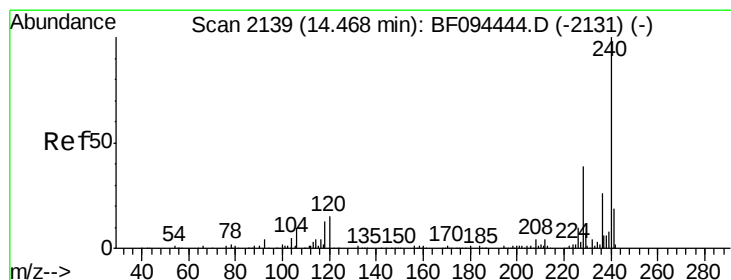
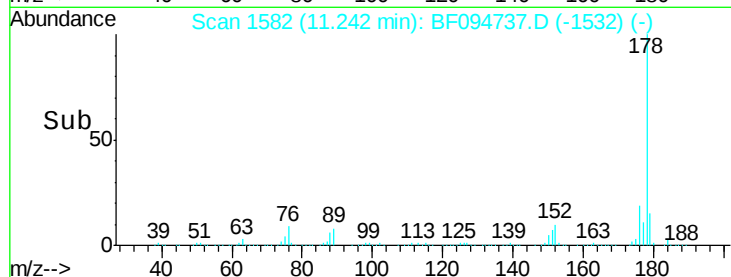
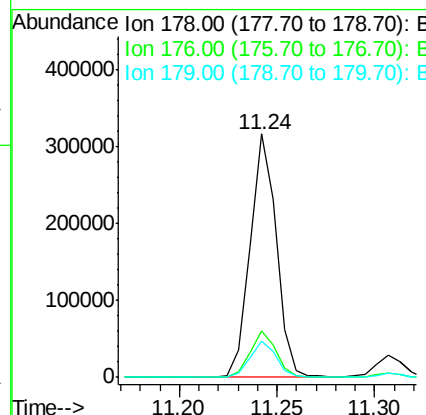
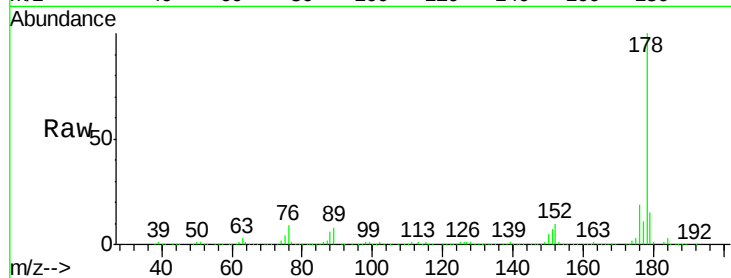




#70
Phenanthrene
Concen: 15.37 ng
RT: 11.24 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF094737.D
Acq: 1 May 2017 2:52

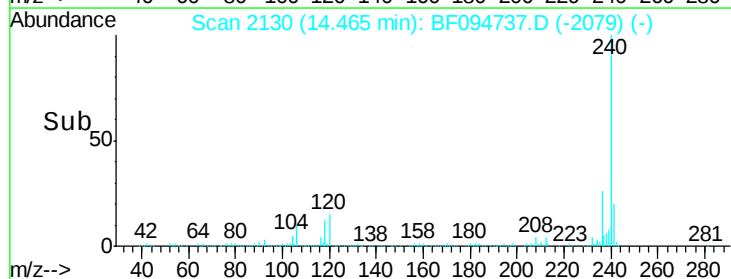
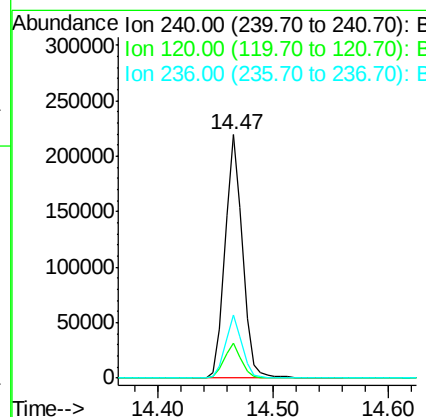
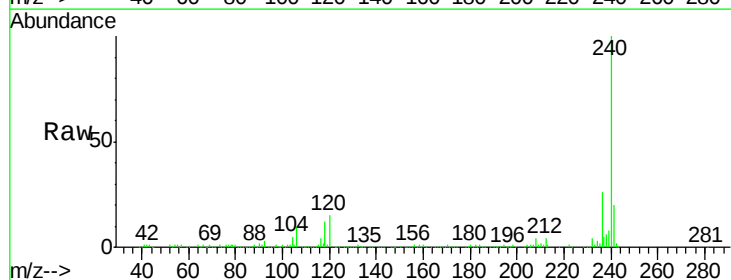
Instrument :
BNA_F
ClientSampleId :
MW-3B

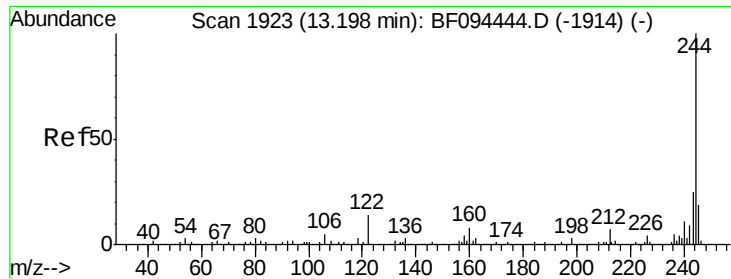
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.2	24.4
179	15.1	12.6	19.0



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.47 min Scan# 2130
Delta R.T. -0.00 min
Lab File: BF094737.D
Acq: 1 May 2017 2:52

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.6	5.8	8.8#
236	26.0	20.5	30.7

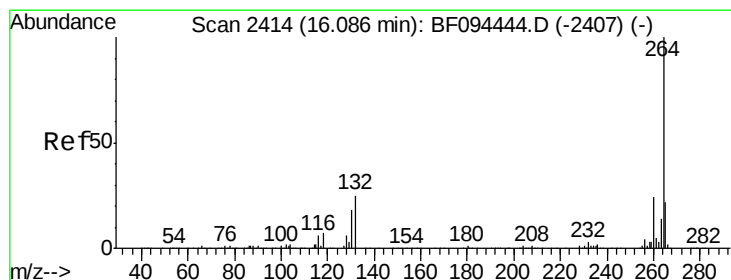
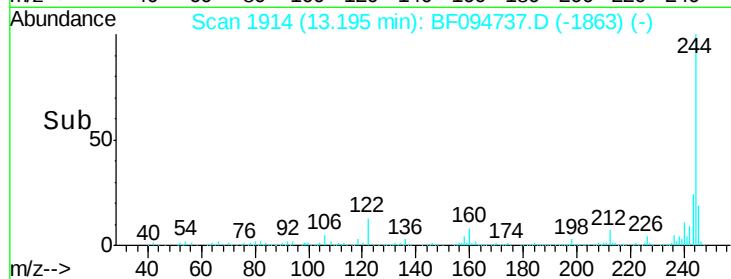
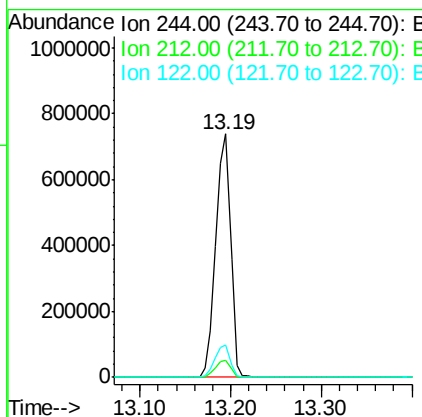
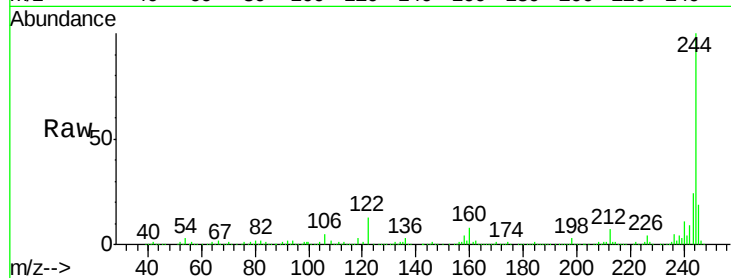




#78
 Terphenyl-d14
 Concen: 97.70 ng
 RT: 13.19 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: BF094737.D
 Acq: 1 May 2017 2:52

Instrument :
 BNA_F
 ClientSampleId :
 MW-3B

Tot Ion:244 Resp: 840202
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 13.4 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.09 min Scan# 2407
 Delta R.T. 0.01 min
 Lab File: BF094737.D
 Acq: 1 May 2017 2:52

Tgt Ion:264 Resp: 213092
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.5 29.3
 265 21.4 17.2 25.8

