

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112315\
 Data File : BF083215.D
 Acq On : 23 Nov 2015 20:39
 Operator : UM/IZ
 Sample : G4443-04DL2 50X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20151110MGP206BRV40DL

Quant Time: Nov 24 04:35:53 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration

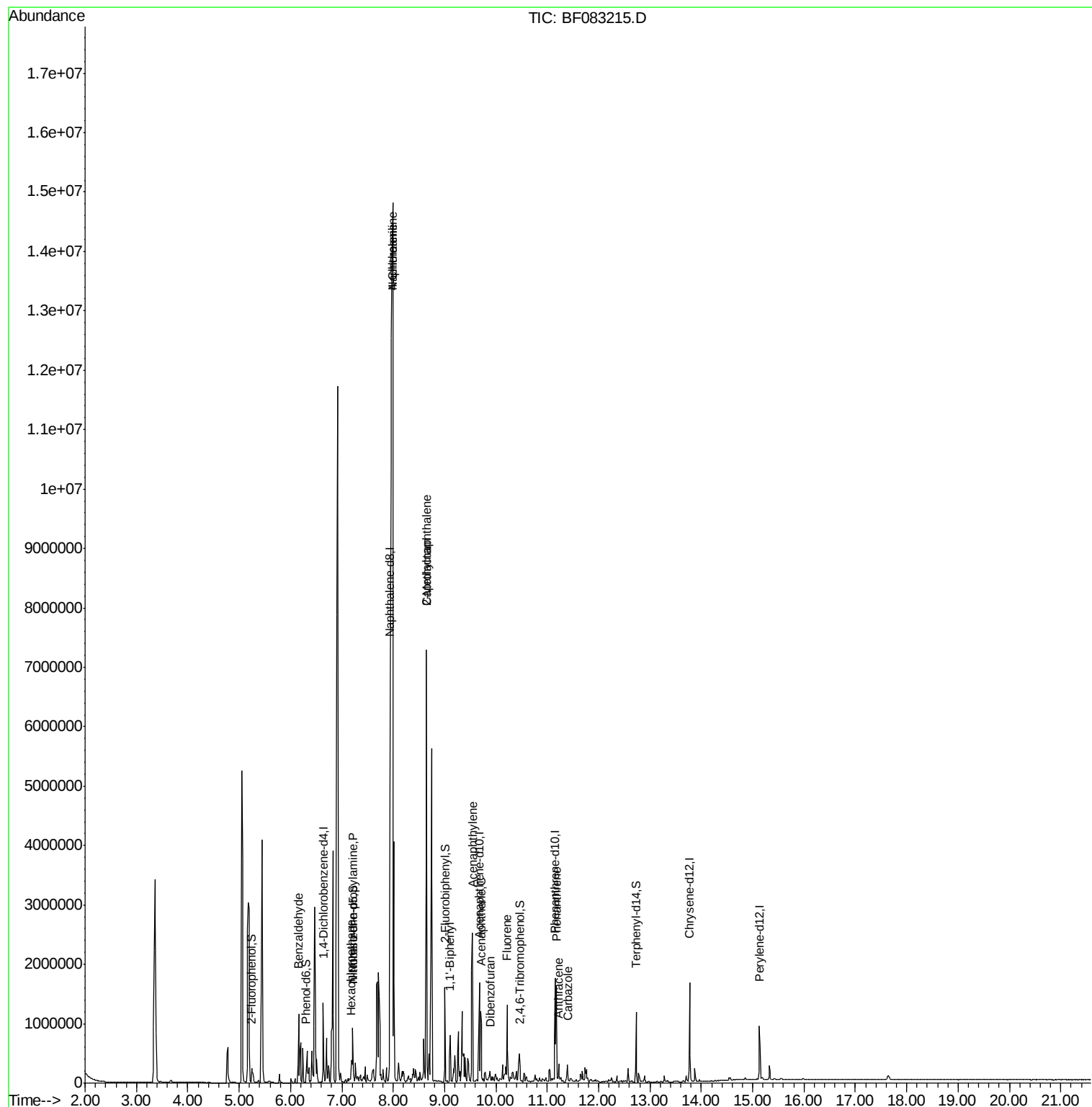
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	195732	20.00	ng	-0.02
21) Naphthalene-d8	7.94	136	652858	20.00	ng	-0.01
38) Acenaphthene-d10	9.68	164	372943	20.00	ng	-0.02
63) Phenanthrene-d10	11.15	188	700730	20.00	ng	-0.02
75) Chrysene-d12	13.77	240	573017	20.00	ng	-0.03
86) Perylene-d12	15.13	264	430256	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	113957	8.80	ng	-0.03
7) Phenol-d6	6.31	99	104447	6.24	ng	-0.03
23) Nitrobenzene-d5	7.21	82	285744	20.00	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	49311	12.92	ng	-0.02
44) 2-Fluorobiphenyl	9.00	172	477175	17.84	ng	-0.02
78) Terphenyl-d14	12.73	244	352969	14.51	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	6.16	77	97308	8.78	ng	# 1
18) Hexachloroethane	7.19	117	66416	11.67	ng	# 1
19) n-Nitroso-di-n-propylamine	7.21	70	37724	3.24	ng	# 77
31) Naphthalene	7.99	128	14899183	422.86	ng	# 80
33) 4-Chloroaniline	7.99	127	2842602	207.94	ng	# 30
35) Caprolactam	8.65	113	61174	18.66	ng	# 1
37) 2-Methylnaphthalene	8.65	142	2241272	98.01	ng	98
45) 1,1'-Biphenyl	9.11	154	288311	9.08	ng	99
48) Acenaphthylene	9.54	152	1363920	35.30	ng	99
51) Acenaphthene	9.70	154	368065	15.65	ng	99
54) Dibenzofuran	9.88	168	77446	2.33	ng	# 93
57) Fluorene	10.22	166	447151	16.27	ng	100
70) Phenanthrene	11.18	178	633763	15.70	ng	99
71) Anthracene	11.22	178	127202	3.09	ng	97
72) Carbazole	11.39	167	154085	4.21	ng	97

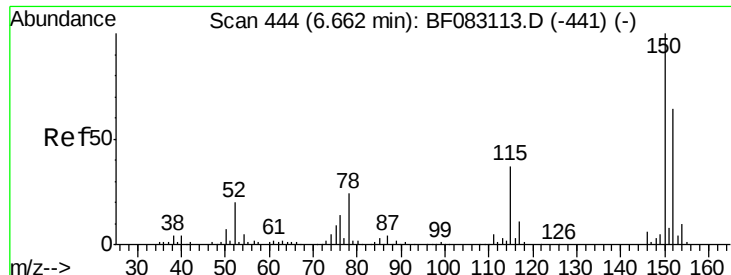
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112315\
Data File : BF083215.D
Acq On : 23 Nov 2015 20:39
Operator : UM/IZ
Sample : G4443-04DL2 50X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
20151110MGP206BRV40DL

Quant Time: Nov 24 04:35:53 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 09:22:46 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 407

Delta R.T. -0.02 min

Lab File: BF083215.D

Acq: 23 Nov 2015 20:39

Instrument :

BNA_F

ClientSampleId :

20151110MGP206BRV40DL

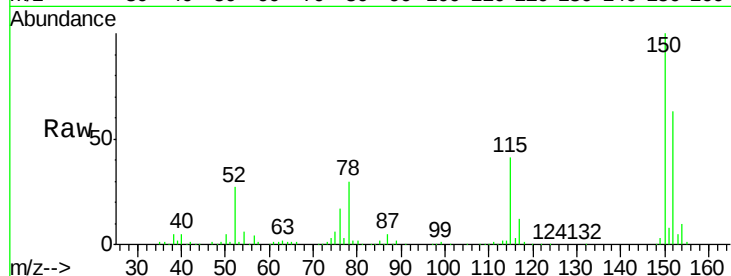
Tgt Ion:152 Resp: 195732

Ion Ratio Lower Upper

152 100

150 158.0 125.8 188.8

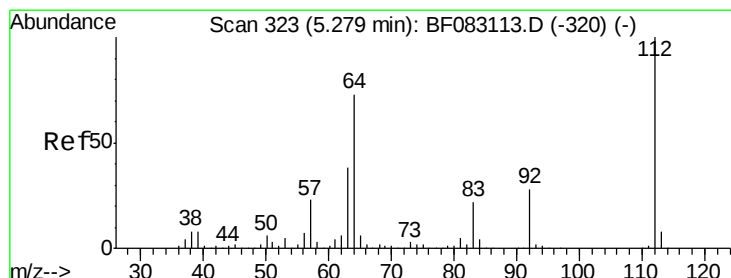
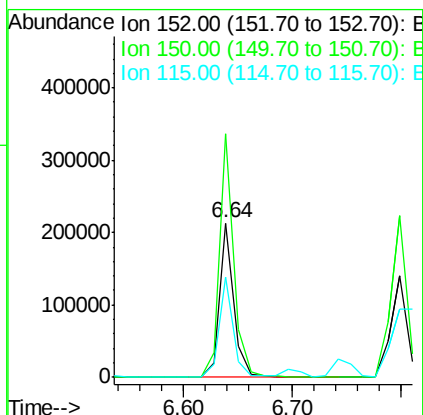
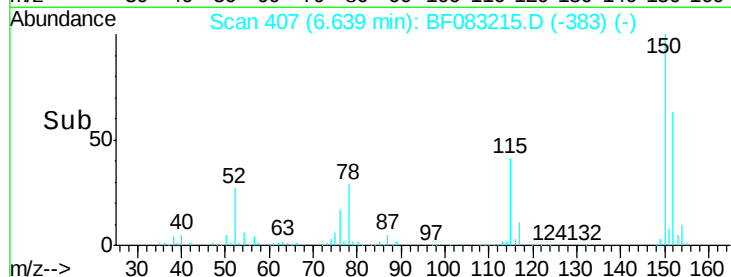
115 64.9 46.9 70.3



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: 8.80 ng

RT: 5.24 min Scan# 285

Delta R.T. -0.03 min

Lab File: BF083215.D

Acq: 23 Nov 2015 20:39

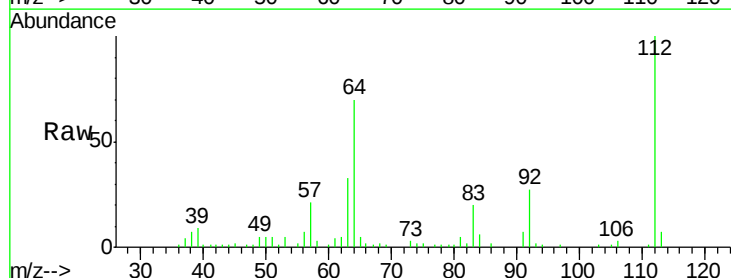
Tgt Ion:112 Resp: 113957

Ion Ratio Lower Upper

112 100

64 70.4 58.4 87.6

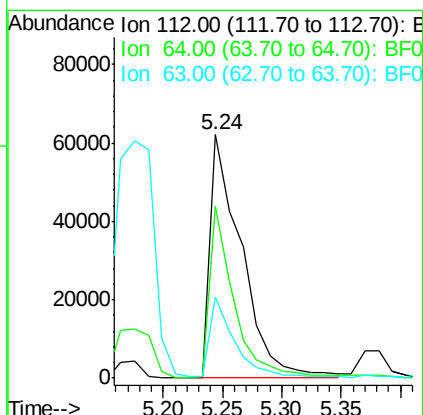
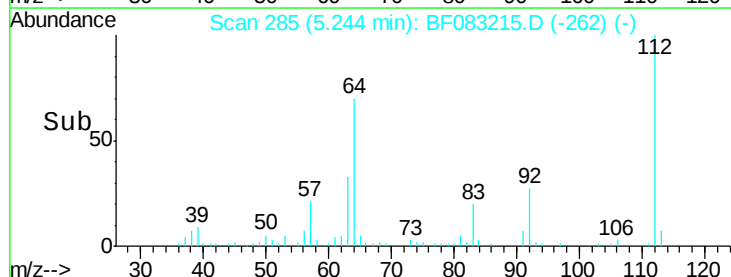
63 33.3 30.0 45.0

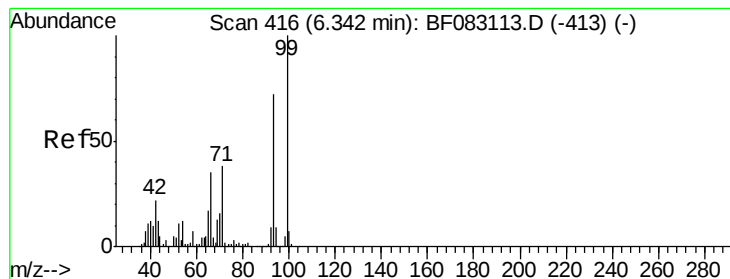


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 6.24 ng

RT: 6.31 min Scan# 378

Delta R.T. -0.03 min

Lab File: BF083215.D

Acq: 23 Nov 2015 20:39

Instrument :

BNA_F

ClientSampleId :

20151110MGP206BRV40DL

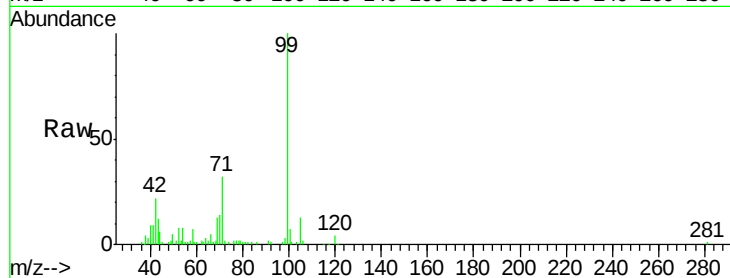
Tgt Ion: 99 Resp: 104447

Ion Ratio Lower Upper

99 100

42 21.6 17.7 26.5

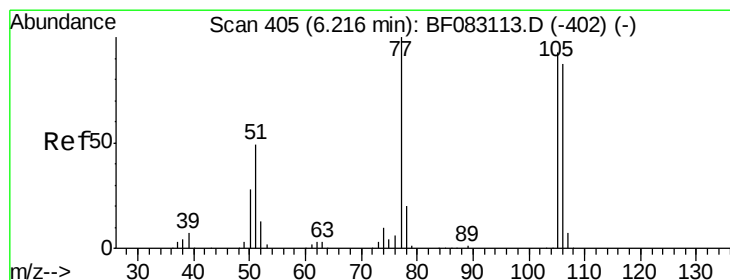
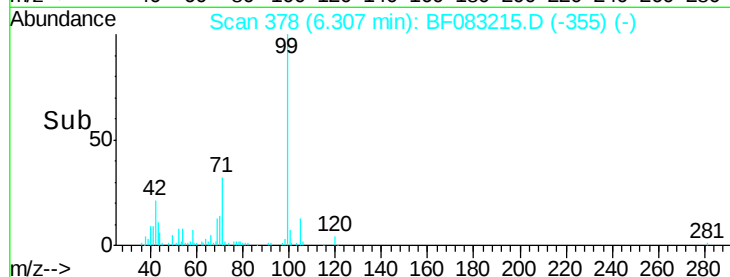
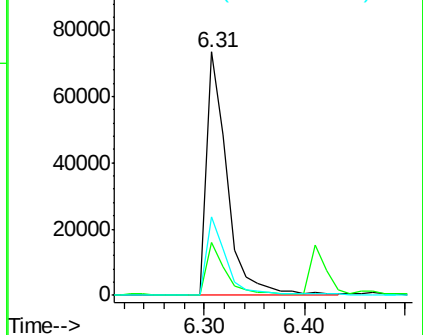
71 32.3 30.2 45.4



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



#9

Benzaldehyde

Concen: 8.78 ng

RT: 6.16 min Scan# 365

Delta R.T. -0.06 min

Lab File: BF083215.D

Acq: 23 Nov 2015 20:39

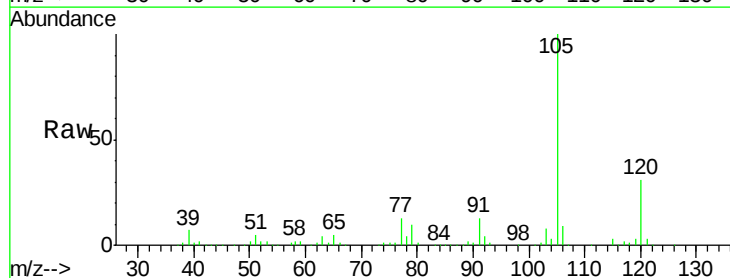
Tgt Ion: 77 Resp: 97308

Ion Ratio Lower Upper

77 100

105 792.3 73.4 113.4#

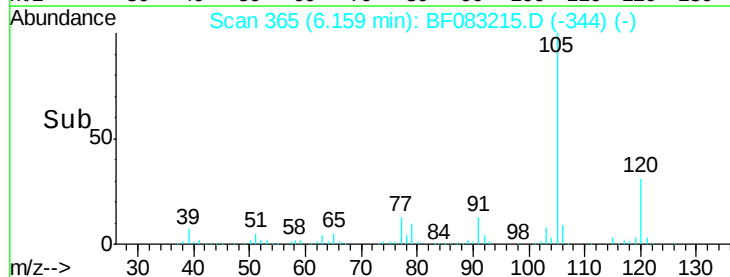
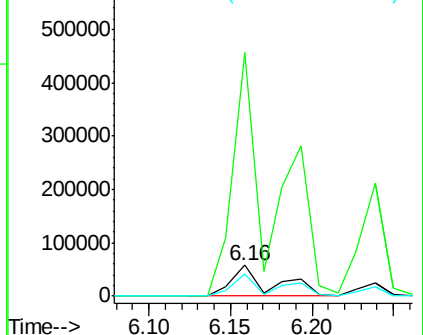
106 70.3 67.5 107.5

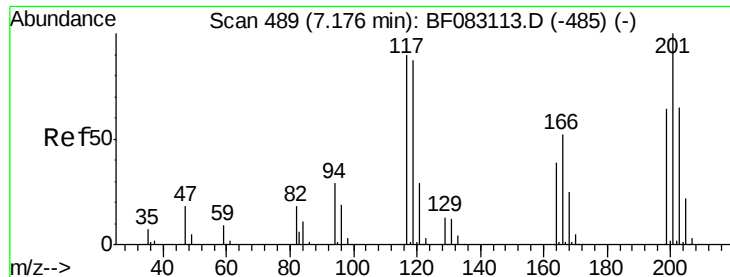


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

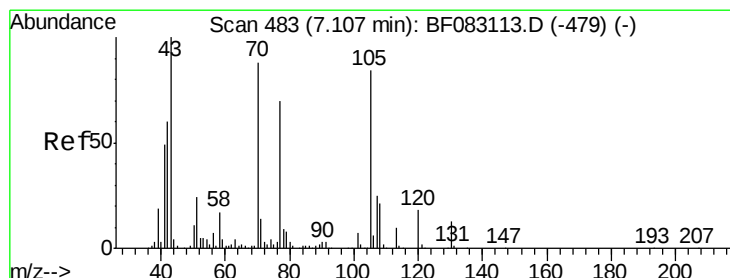
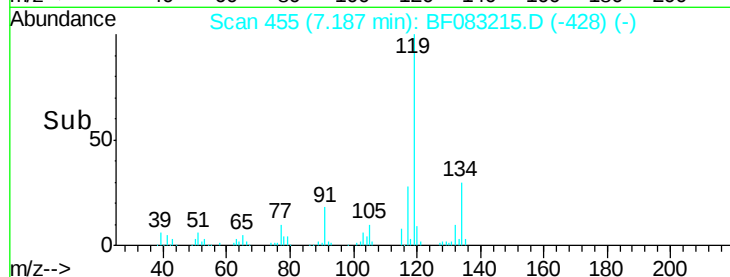
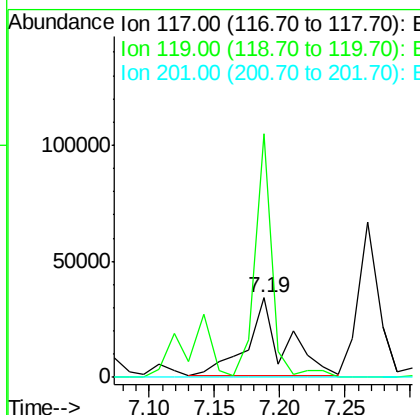
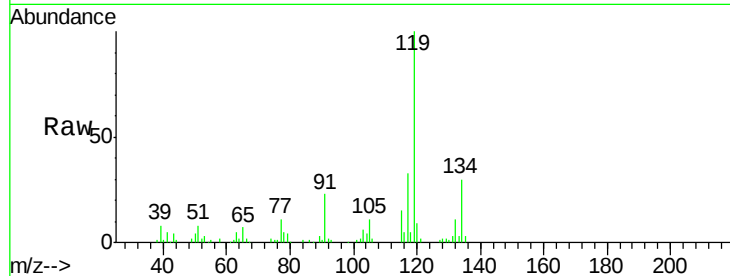




#18
Hexachloroethane
Concen: 11.67 ng
RT: 7.19 min Scan# 455
Delta R.T. 0.01 min
Lab File: BF083215.D
Acq: 23 Nov 2015 20:39

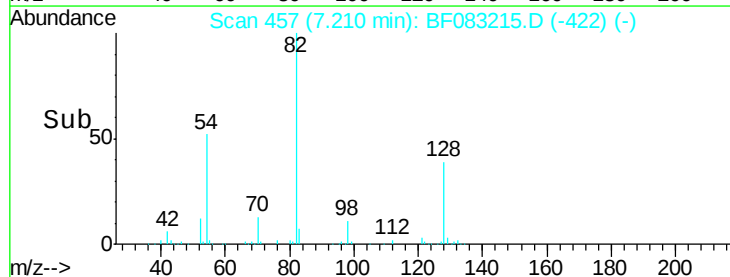
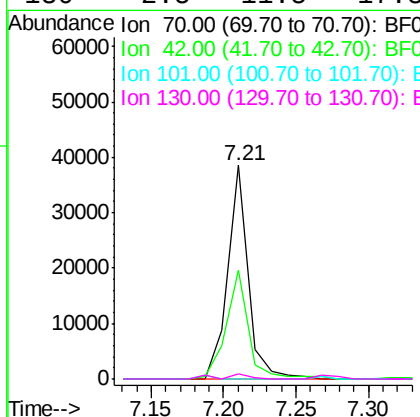
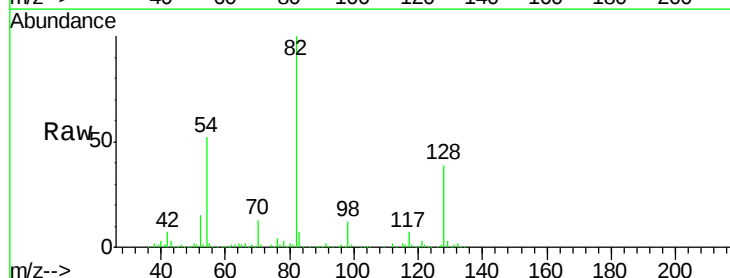
Instrument :
BNA_F
ClientSampleId :
20151110MGP206BRV40DL

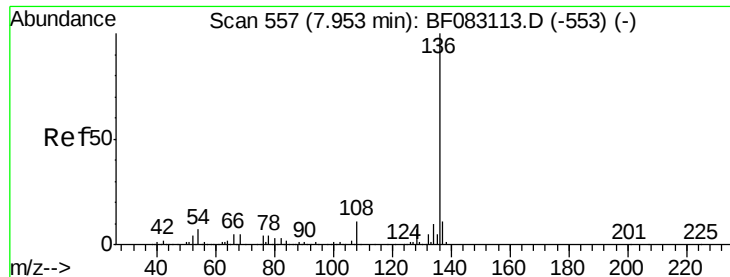
Tgt Ion: 117 Resp: 66416
Ion Ratio Lower Upper
117 100
119 305.9 76.8 115.2#
201 0.0 88.6 133.0#



#19
n-Nitroso-di-n-propylamine
Concen: 3.24 ng
RT: 7.21 min Scan# 457
Delta R.T. 0.10 min
Lab File: BF083215.D
Acq: 23 Nov 2015 20:39

Tgt Ion: 70 Resp: 37724
Ion Ratio Lower Upper
70 100
42 50.7 54.5 81.7#
101 0.0 6.6 9.8#
130 2.5 11.5 17.3#

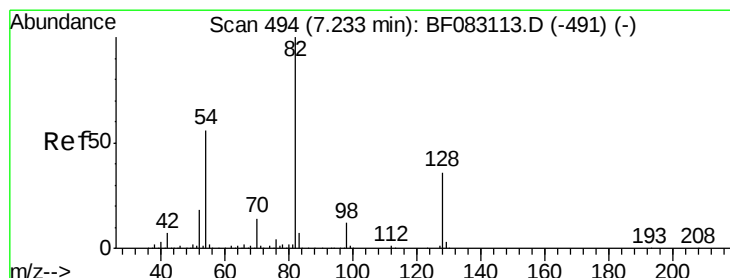
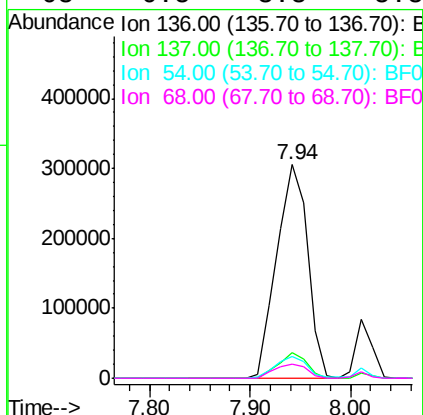
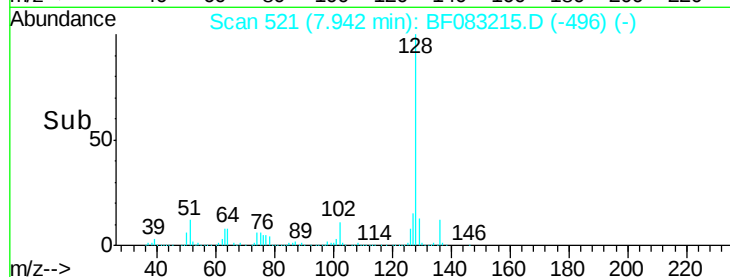
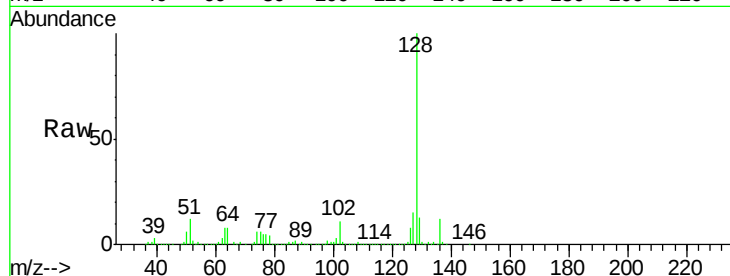




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.94 min Scan# 521
Delta R.T. -0.01 min
Lab File: BF083215.D
Acq: 23 Nov 2015 20:39

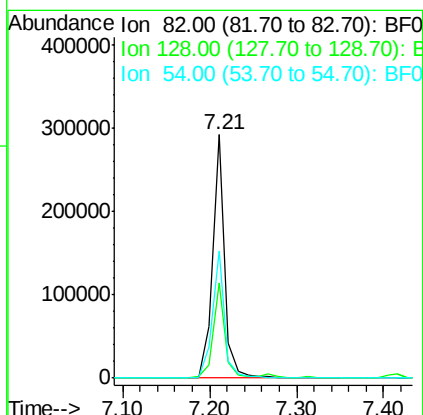
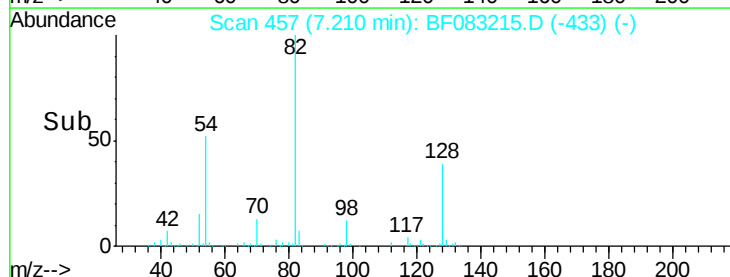
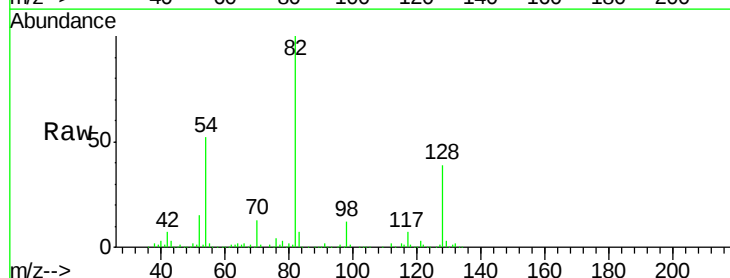
Instrument :
BNA_F
ClientSampleId :
20151110MGP206BRV40DL

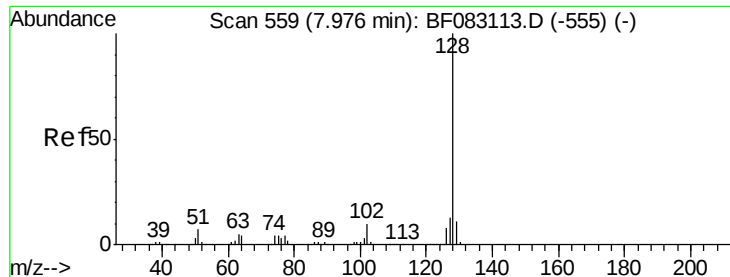
Tgt Ion:	136	Resp:	652858
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.7	13.1
54	10.3	5.8	8.6#
68	6.5	3.8	5.8#



#23
Nitrobenzene-d5
Concen: 20.00 ng
RT: 7.21 min Scan# 457
Delta R.T. -0.02 min
Lab File: BF083215.D
Acq: 23 Nov 2015 20:39

Tgt Ion:	82	Resp:	285744
Ion	Ratio	Lower	Upper
82	100		
128	39.1	28.5	42.7
54	52.4	44.6	67.0

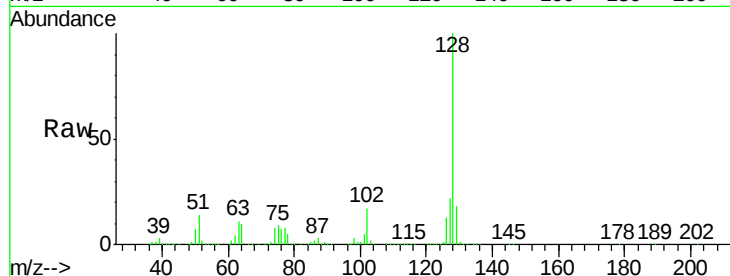




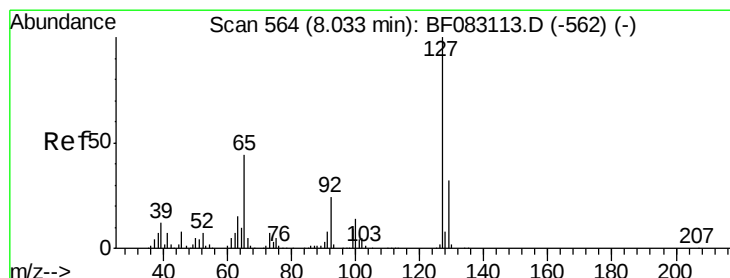
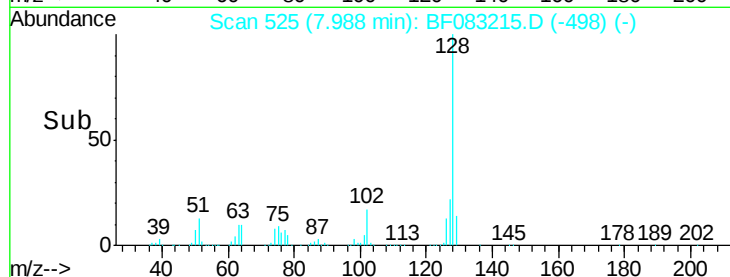
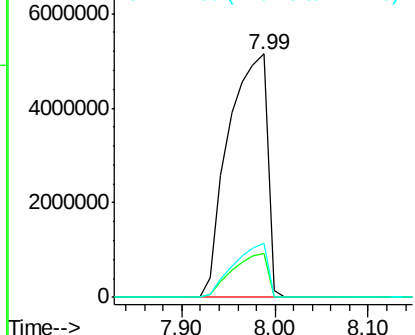
#31
Naphthalene
Concen: 422.86 ng
RT: 7.99 min Scan# 525
Delta R.T. 0.01 min
Lab File: BF083215.D
Acq: 23 Nov 2015 20:39

Instrument :
BNA_F
ClientSampleId :
20151110MGP206BRV40DL

Tgt Ion:128 Resp:14899183
Ion Ratio Lower Upper
128 100
129 18.0 9.0 13.4#
127 22.0 10.6 15.8#

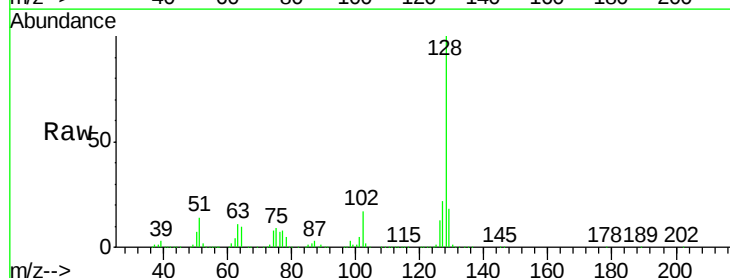


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

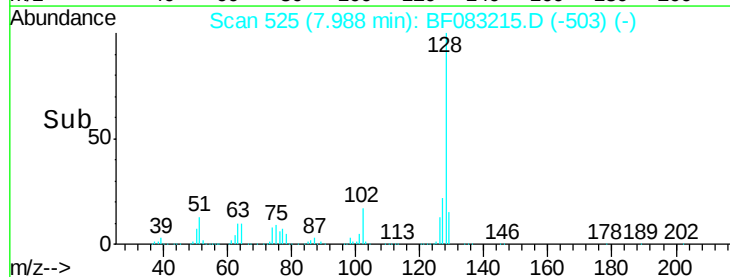
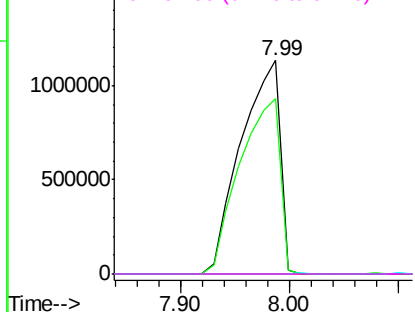


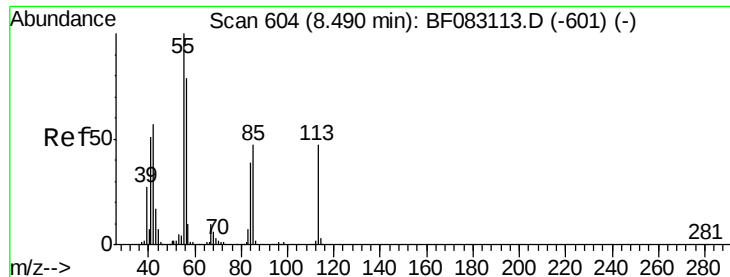
#33
4-Chloroaniline
Concen: 207.94 ng
RT: 7.99 min Scan# 525
Delta R.T. -0.05 min
Lab File: BF083215.D
Acq: 23 Nov 2015 20:39

Tgt Ion:127 Resp: 2842602
Ion Ratio Lower Upper
127 100
129 81.9 25.7 38.5#
65 0.0 35.5 53.3#
92 0.0 19.4 29.2#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

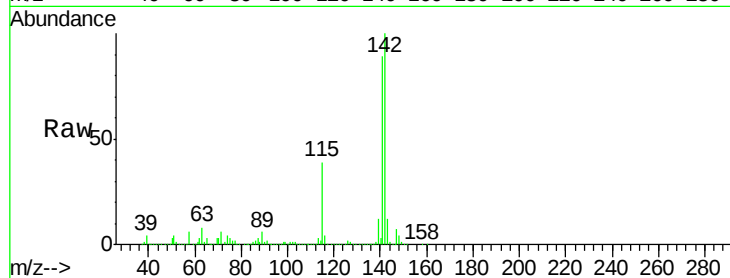




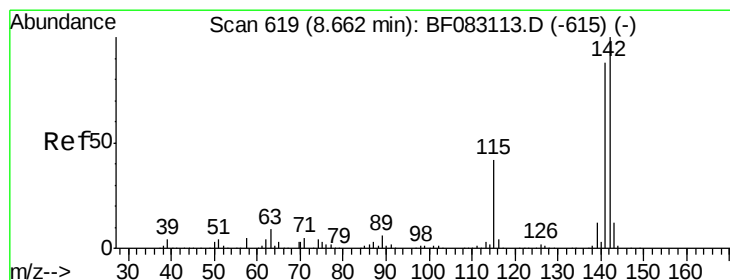
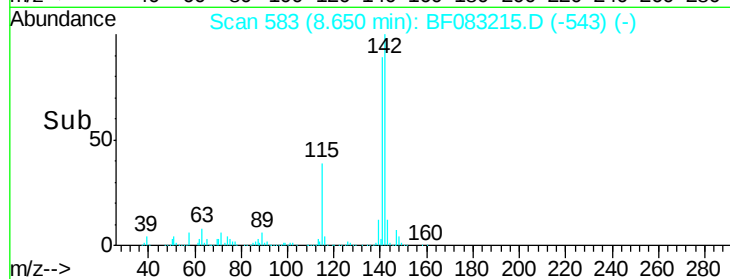
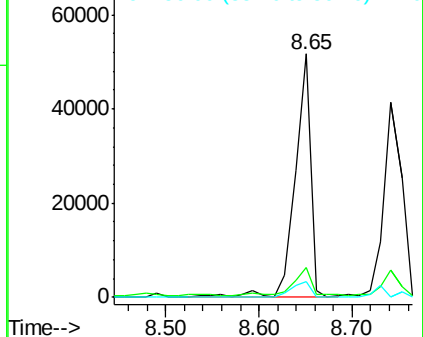
#35
 Caprolactam
 Concen: 18.66 ng
 RT: 8.65 min Scan# 583
 Delta R.T. 0.16 min
 Lab File: BF083215.D
 Acq: 23 Nov 2015 20:39

Instrument :
 BNA_F
 ClientSampleId :
 20151110MGP206BRV40DL

Tgt Ion:113 Resp: 61174
 Ion Ratio Lower Upper
 113 100
 55 12.0 192.6 232.6#
 56 6.7 148.6 188.6#

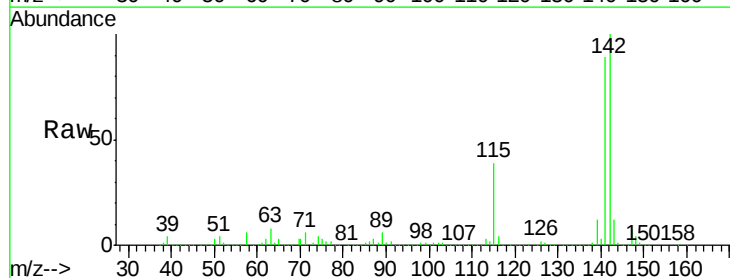


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

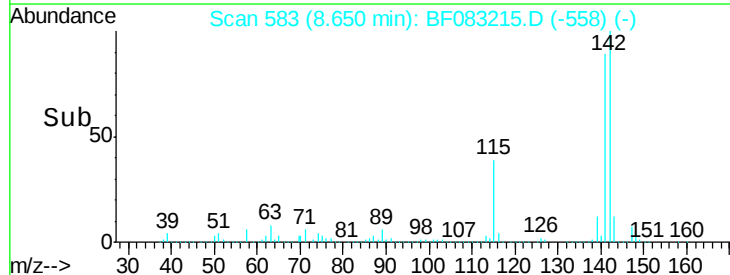
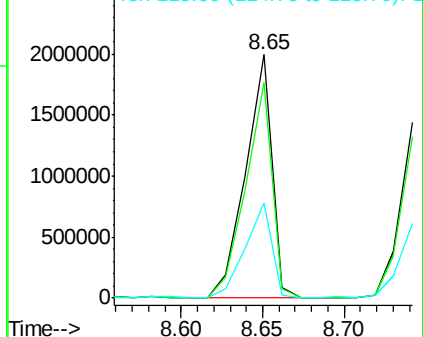


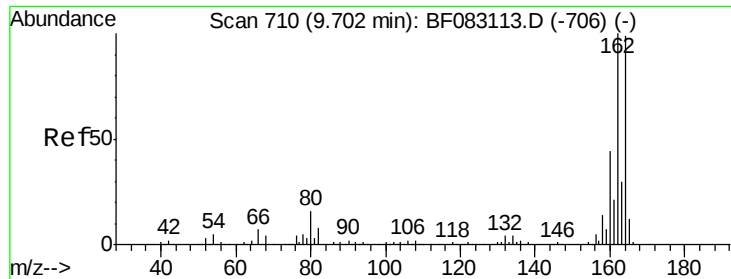
#37
 2-Methylnaphthalene
 Concen: 98.01 ng
 RT: 8.65 min Scan# 583
 Delta R.T. -0.01 min
 Lab File: BF083215.D
 Acq: 23 Nov 2015 20:39

Tgt Ion:142 Resp: 2241272
 Ion Ratio Lower Upper
 142 100
 141 88.6 70.3 105.5
 115 39.1 33.4 50.2



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: 9.68 min Scan# 673

Delta R.T. -0.02 min

Lab File: BF083215.D

Acq: 23 Nov 2015 20:39

Instrument :

BNA_F

ClientSampleId :

20151110MGP206BRV40DL

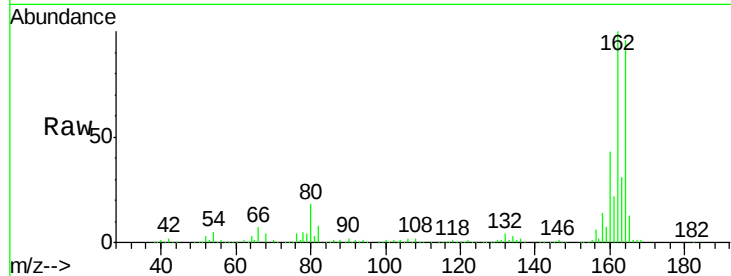
Tgt Ion:164 Resp: 372943

Ion Ratio Lower Upper

164 100

162 104.3 81.2 121.8

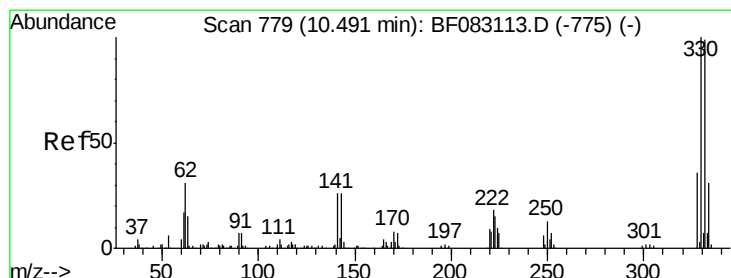
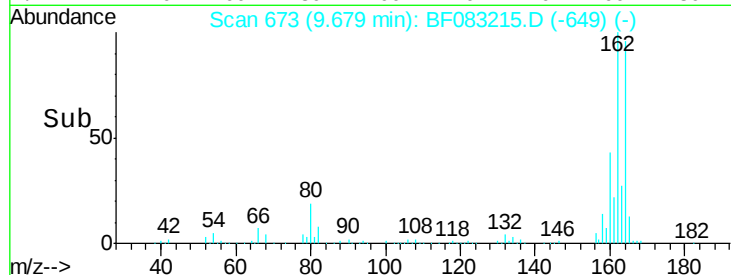
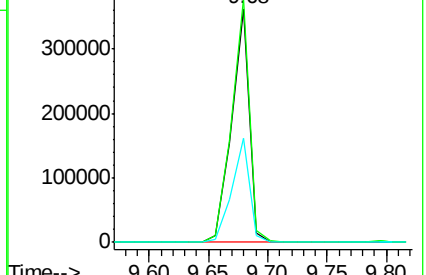
160 44.8 35.6 53.4



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: 12.92 ng

RT: 10.47 min Scan# 742

Delta R.T. -0.02 min

Lab File: BF083215.D

Acq: 23 Nov 2015 20:39

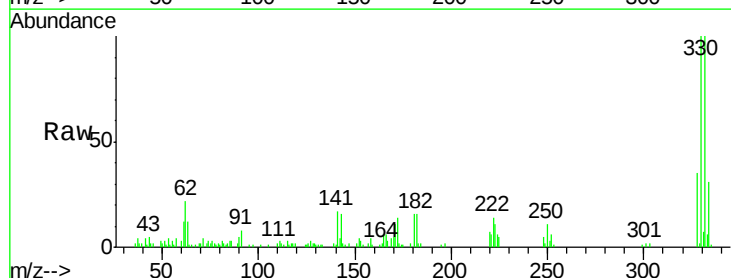
Tgt Ion:330 Resp: 49311

Ion Ratio Lower Upper

330 100

332 99.0 77.7 116.5

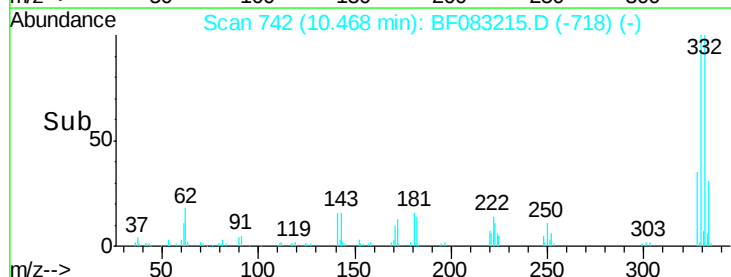
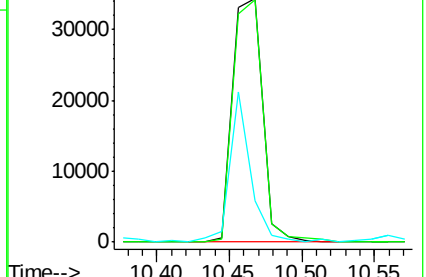
141 43.0 29.7 44.5

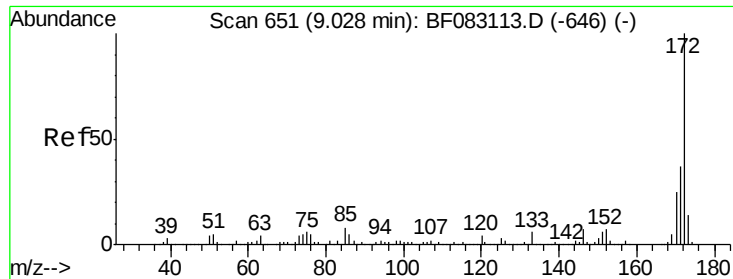


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

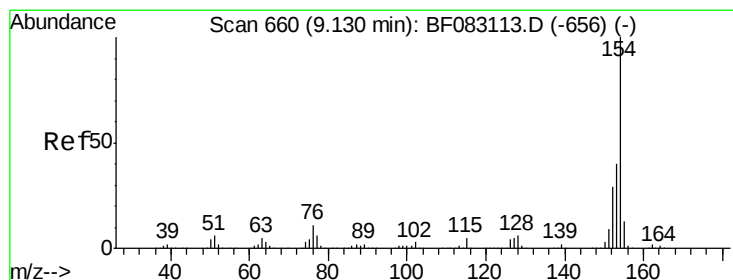
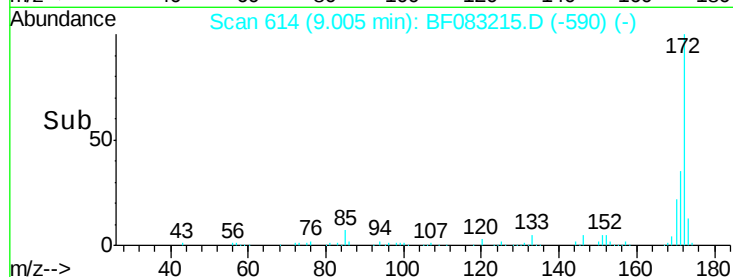
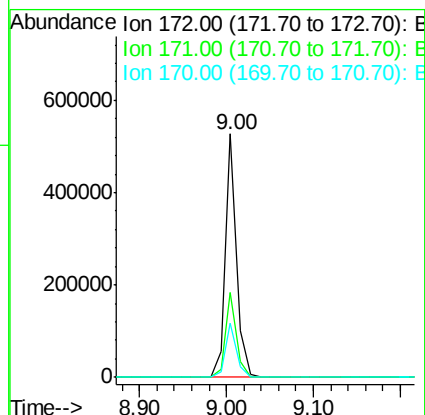
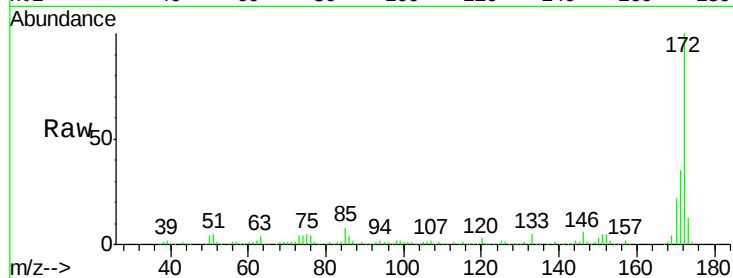




#44
 2-Fluorobiphenyl
 Concen: 17.84 ng
 RT: 9.00 min Scan# 614
 Delta R.T. -0.02 min
 Lab File: BF083215.D
 Acq: 23 Nov 2015 20:39

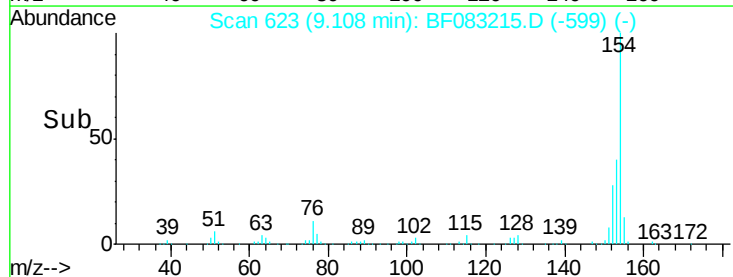
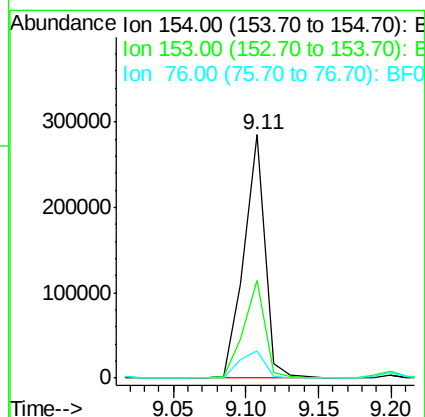
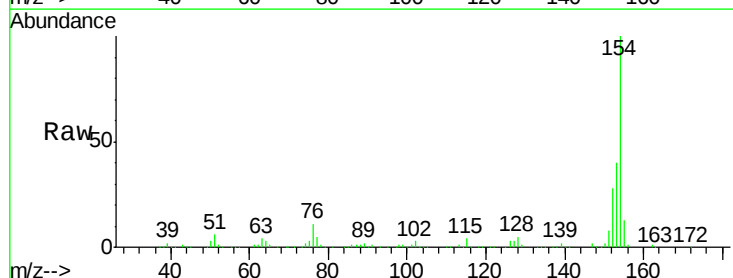
Instrument :
 BNA_F
 ClientSampleId :
 20151110MGP206BRV40DL

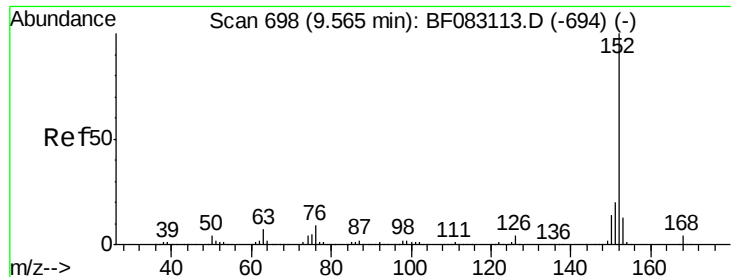
Tgt Ion:172 Resp: 477175
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.5 44.3
 170 22.3 19.9 29.9



#45
 1,1'-Biphenyl
 Concen: 9.08 ng
 RT: 9.11 min Scan# 623
 Delta R.T. -0.02 min
 Lab File: BF083215.D
 Acq: 23 Nov 2015 20:39

Tgt Ion:154 Resp: 288311
 Ion Ratio Lower Upper
 154 100
 153 40.1 20.5 60.5
 76 11.4 0.0 31.2

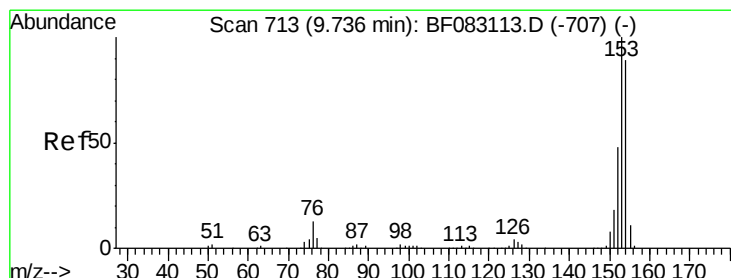
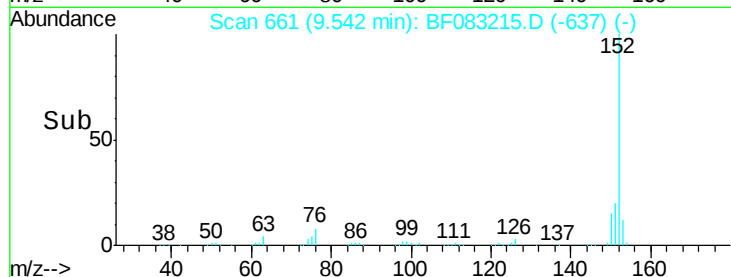
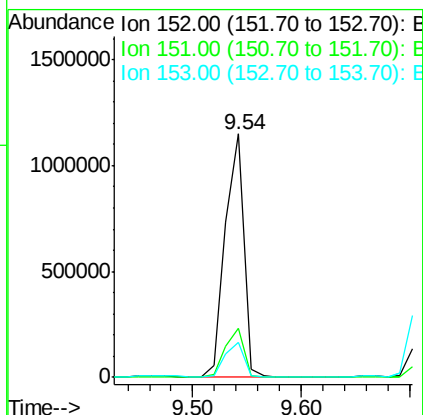
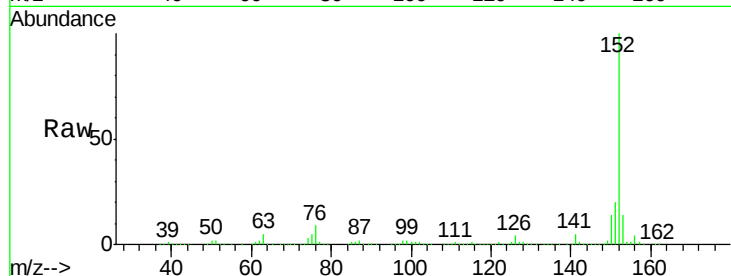




#48
Acenaphthylene
Concen: 35.30 ng
RT: 9.54 min Scan# 661
Delta R.T. -0.02 min
Lab File: BF083215.D
Acq: 23 Nov 2015 20:39

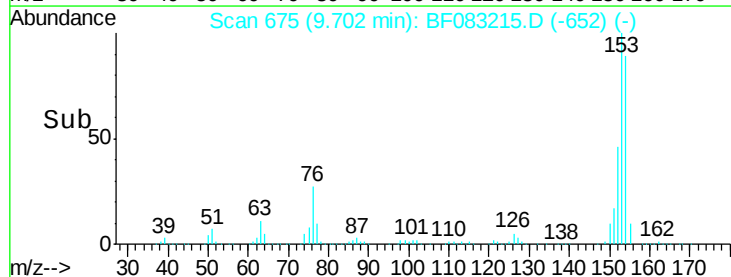
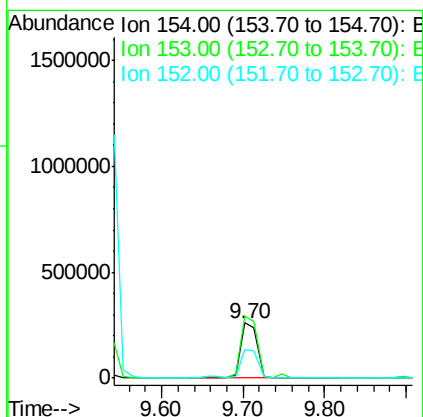
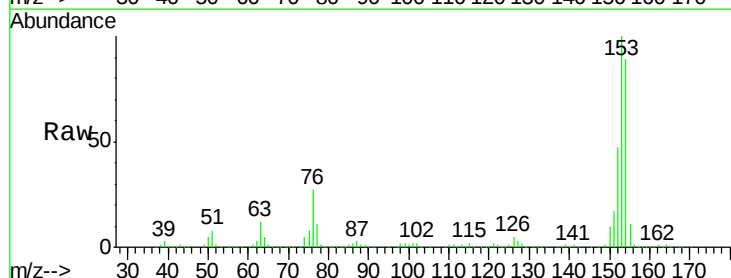
Instrument :
BNA_F
ClientSampleId :
20151110MGP206BRV40DL

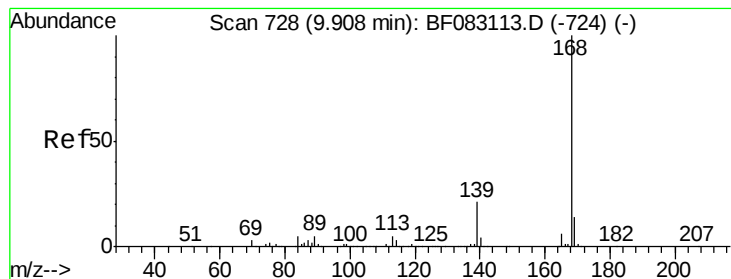
Tgt Ion:152 Resp: 1363920
Ion Ratio Lower Upper
152 100
151 20.0 16.3 24.5
153 14.1 10.8 16.2



#51
Acenaphthene
Concen: 15.65 ng
RT: 9.70 min Scan# 675
Delta R.T. -0.03 min
Lab File: BF083215.D
Acq: 23 Nov 2015 20:39

Tgt Ion:154 Resp: 368065
Ion Ratio Lower Upper
154 100
153 112.6 89.6 134.4
152 52.6 43.3 64.9





#54

Dibenzenofuran

Concen: 2.33 ng

RT: 9.88 min Scan# 691

Delta R.T. -0.02 min

Lab File: BF083215.D

Acq: 23 Nov 2015 20:39

Instrument :

BNA_F

ClientSampleId :

20151110MGP206BRV40DL

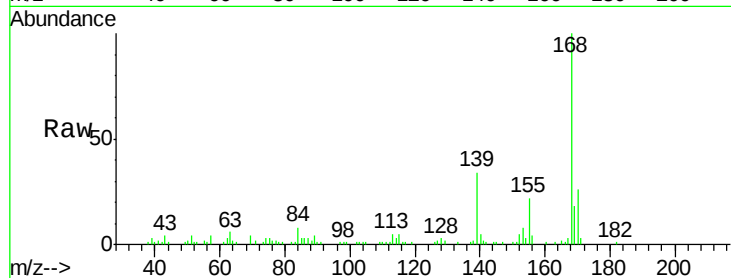
Tgt Ion:168 Resp: 77446

Ion Ratio Lower Upper

168 100

139 34.3 30.2 45.2

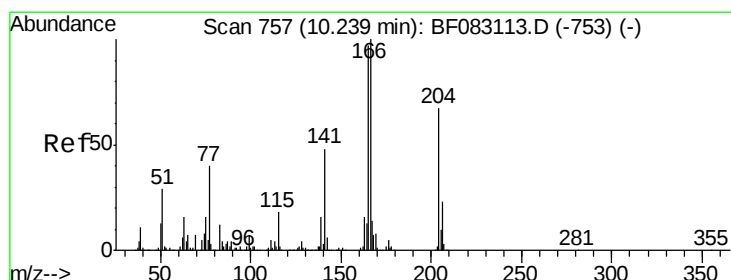
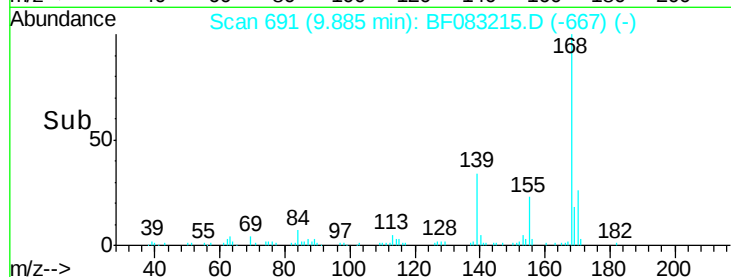
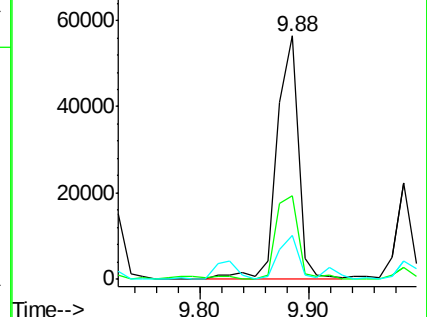
169 18.3 10.9 16.3#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 16.27 ng

RT: 10.22 min Scan# 720

Delta R.T. -0.02 min

Lab File: BF083215.D

Acq: 23 Nov 2015 20:39

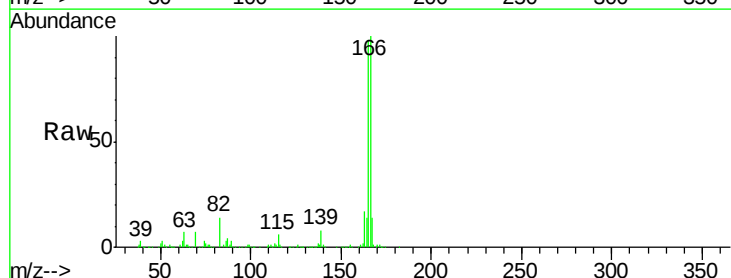
Tgt Ion:166 Resp: 447151

Ion Ratio Lower Upper

166 100

165 97.9 78.0 117.0

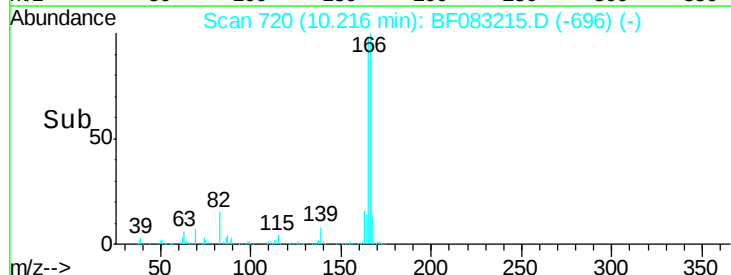
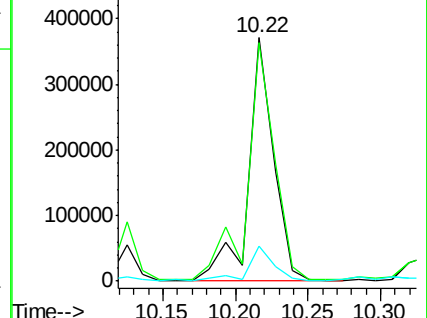
167 14.4 11.3 16.9

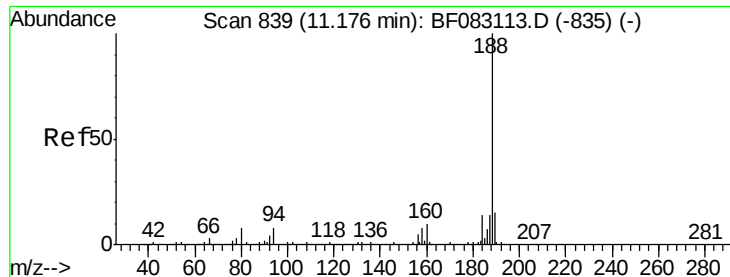


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

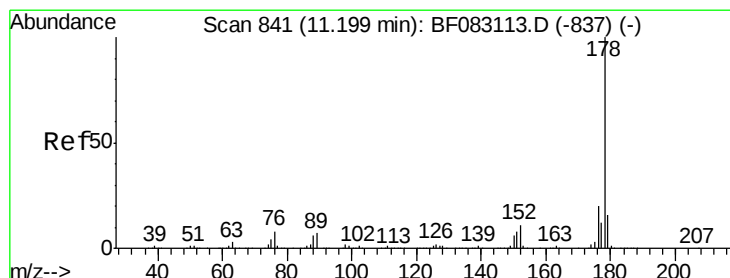
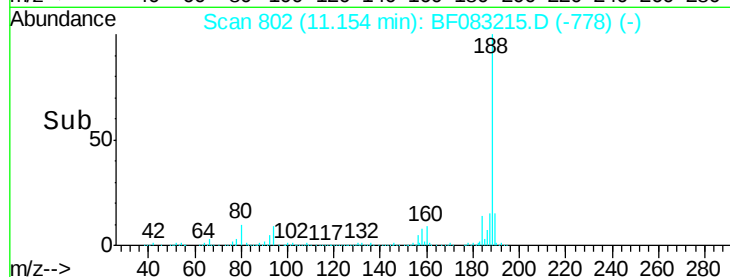
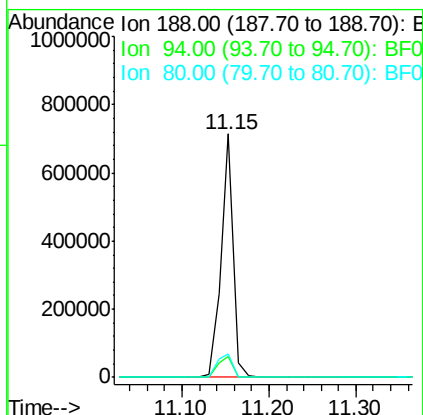
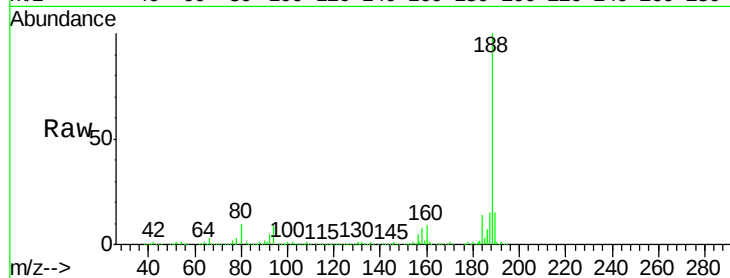




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.15 min Scan# 802
Delta R.T. -0.02 min
Lab File: BF083215.D
Acq: 23 Nov 2015 20:39

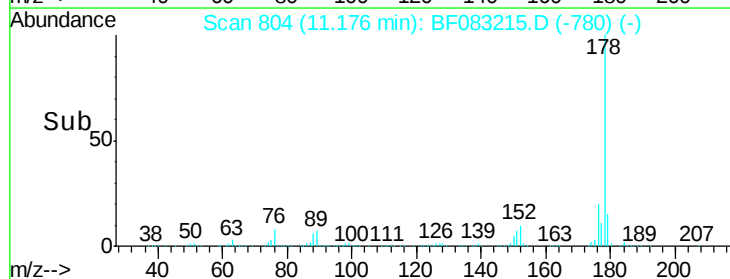
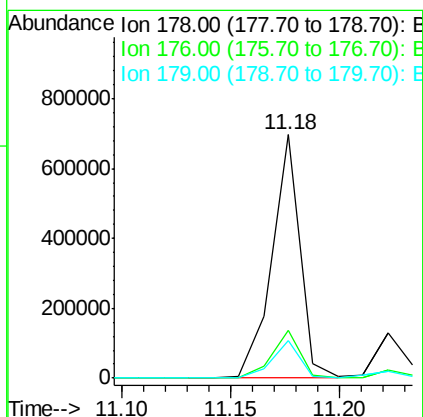
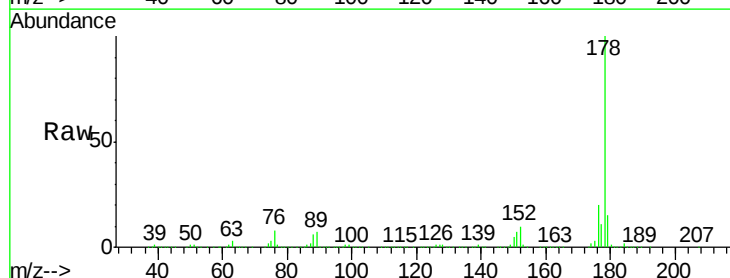
Instrument :
BNA_F
ClientSampleId :
20151110MGP206BRV40DL

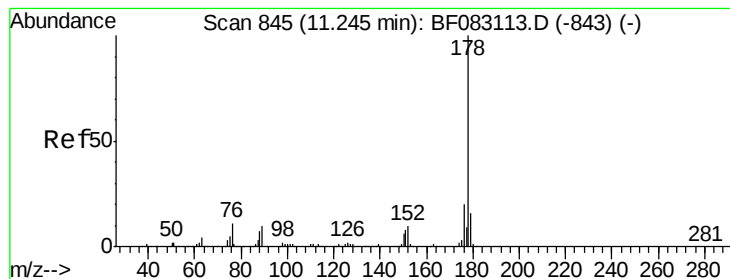
Tgt Ion:188 Resp: 700730
Ion Ratio Lower Upper
188 100
94 8.7 6.0 9.0
80 9.8 6.7 10.1



#70
Phenanthrene
Concen: 15.70 ng
RT: 11.18 min Scan# 804
Delta R.T. -0.02 min
Lab File: BF083215.D
Acq: 23 Nov 2015 20:39

Tgt Ion:178 Resp: 633763
Ion Ratio Lower Upper
178 100
176 19.7 16.2 24.2
179 15.3 12.8 19.2





#71

Anthracene

Concen: 3.09 ng

RT: 11.22 min Scan# 808

Delta R.T. -0.02 min

Lab File: BF083215.D

Acq: 23 Nov 2015 20:39

Instrument :

BNA_F

ClientSampleId :

20151110MGP206BRV40DL

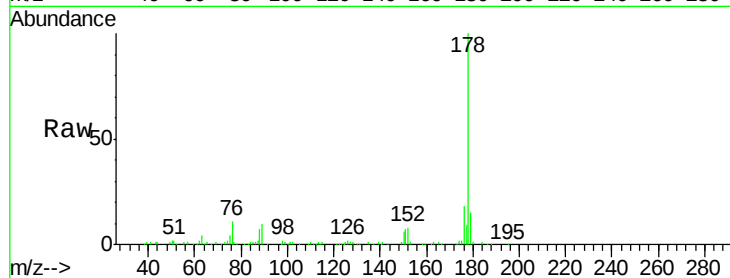
Tgt Ion:178 Resp: 127202

Ion Ratio Lower Upper

178 100

176 18.3 15.6 23.4

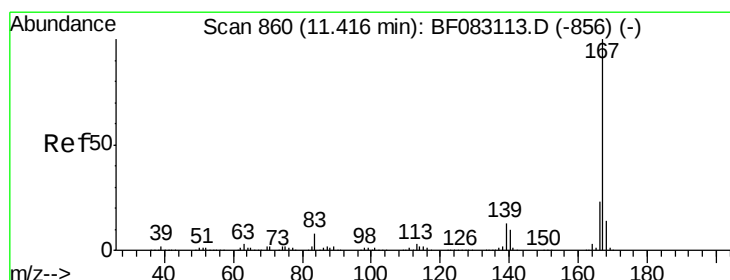
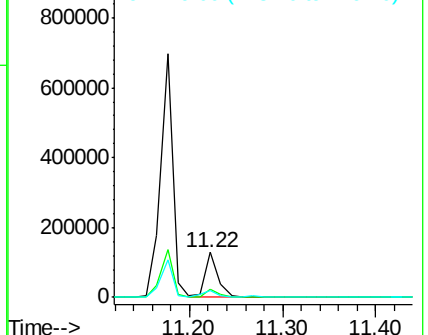
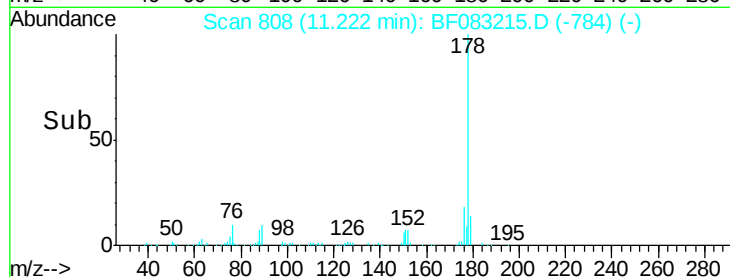
179 15.0 13.2 19.8



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: 4.21 ng

RT: 11.39 min Scan# 823

Delta R.T. -0.02 min

Lab File: BF083215.D

Acq: 23 Nov 2015 20:39

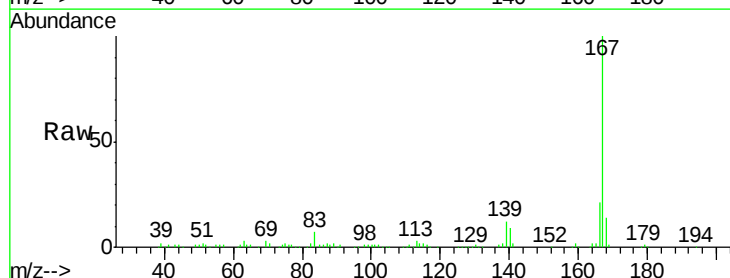
Tgt Ion:167 Resp: 154085

Ion Ratio Lower Upper

167 100

166 21.4 18.0 27.0

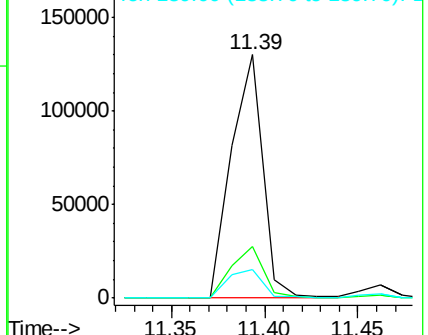
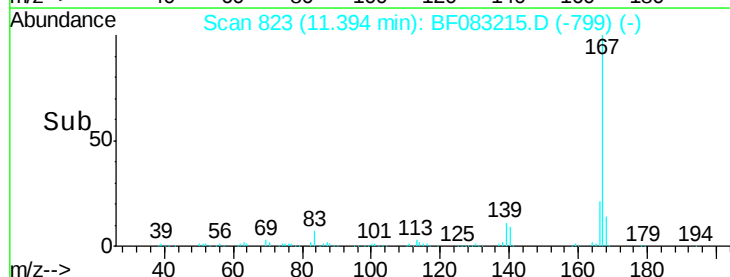
139 11.6 10.5 15.7

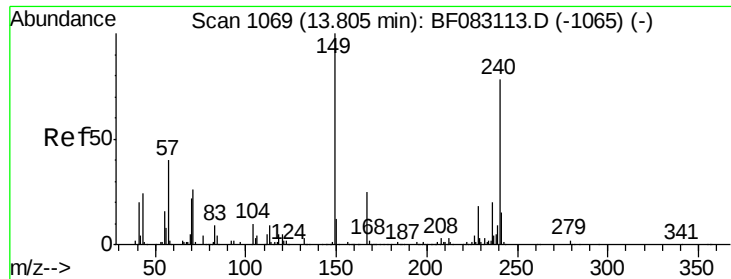


Abundance Ion 167.00 (166.70 to 167.70): E

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: 13.77 min Scan# 1031

Delta R.T. -0.03 min

Lab File: BF083215.D

Acq: 23 Nov 2015 20:39

Instrument :

BNA_F

ClientSampleId :

20151110MGP206BRV40DL

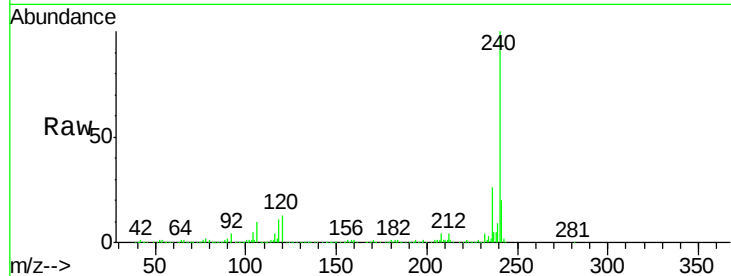
Tgt Ion:240 Resp: 573017

Ion Ratio Lower Upper

240 100

120 13.0 5.4 8.2#

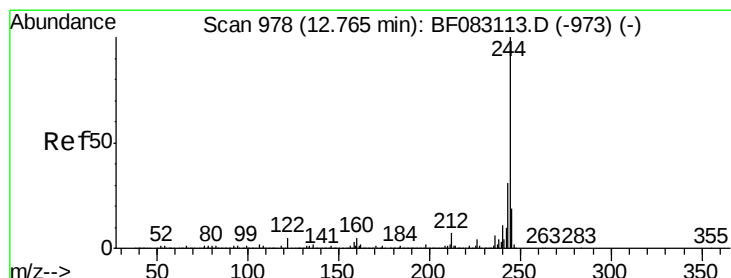
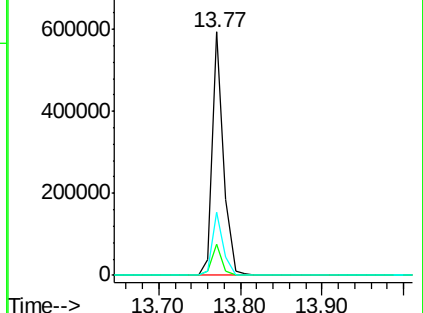
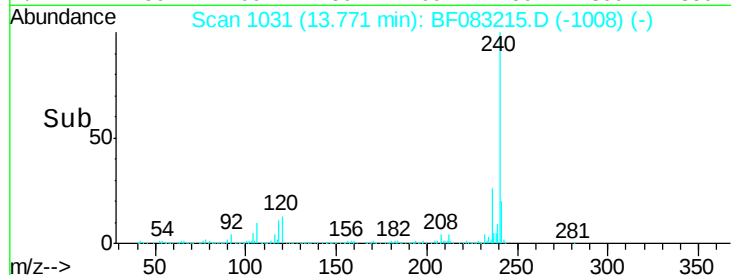
236 25.9 20.6 31.0



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



#78

Terphenyl-d14

Concen: 14.51 ng

RT: 12.73 min Scan# 940

Delta R.T. -0.03 min

Lab File: BF083215.D

Acq: 23 Nov 2015 20:39

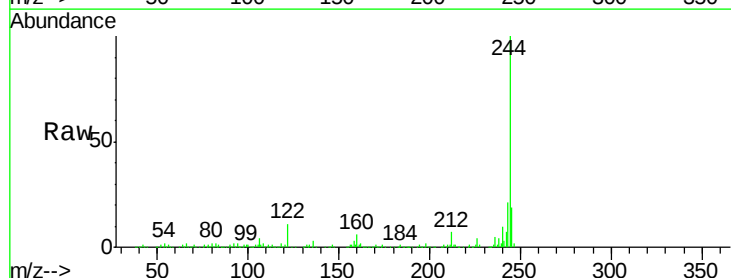
Tgt Ion:244 Resp: 352969

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

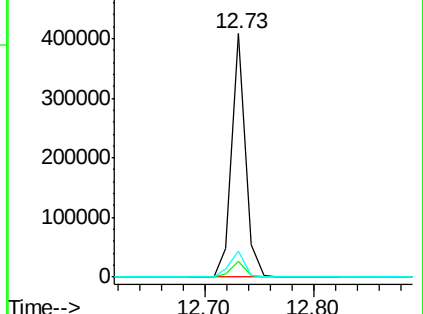
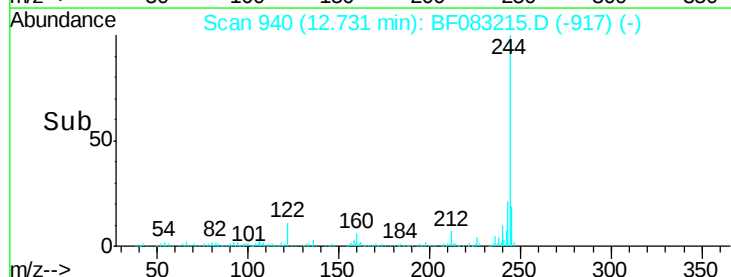
122 10.5 4.3 6.5#

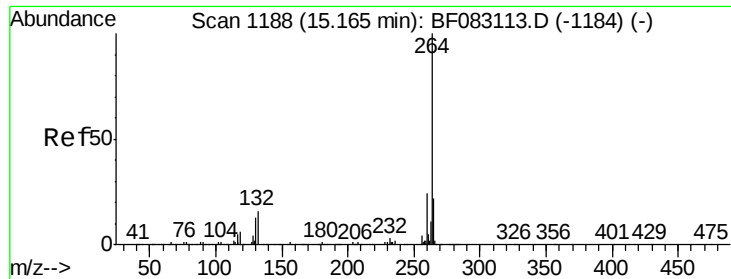


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.13 min Scan# 1150
Delta R.T. -0.03 min
Lab File: BF083215.D
Acq: 23 Nov 2015 20:39

Instrument :
BNA_F
ClientSampleId :
20151110MGP206BRV40DL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.1	28.7
265	21.9	18.2	27.4

