

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
 Data File : BF083215.D
 Acq On : 23 Nov 2015 20:39
 Operator : UM/IZ
 Sample : G4443-04DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20151110MGP206BRV40DL

Quant Time: Nov 24 06:17:21 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

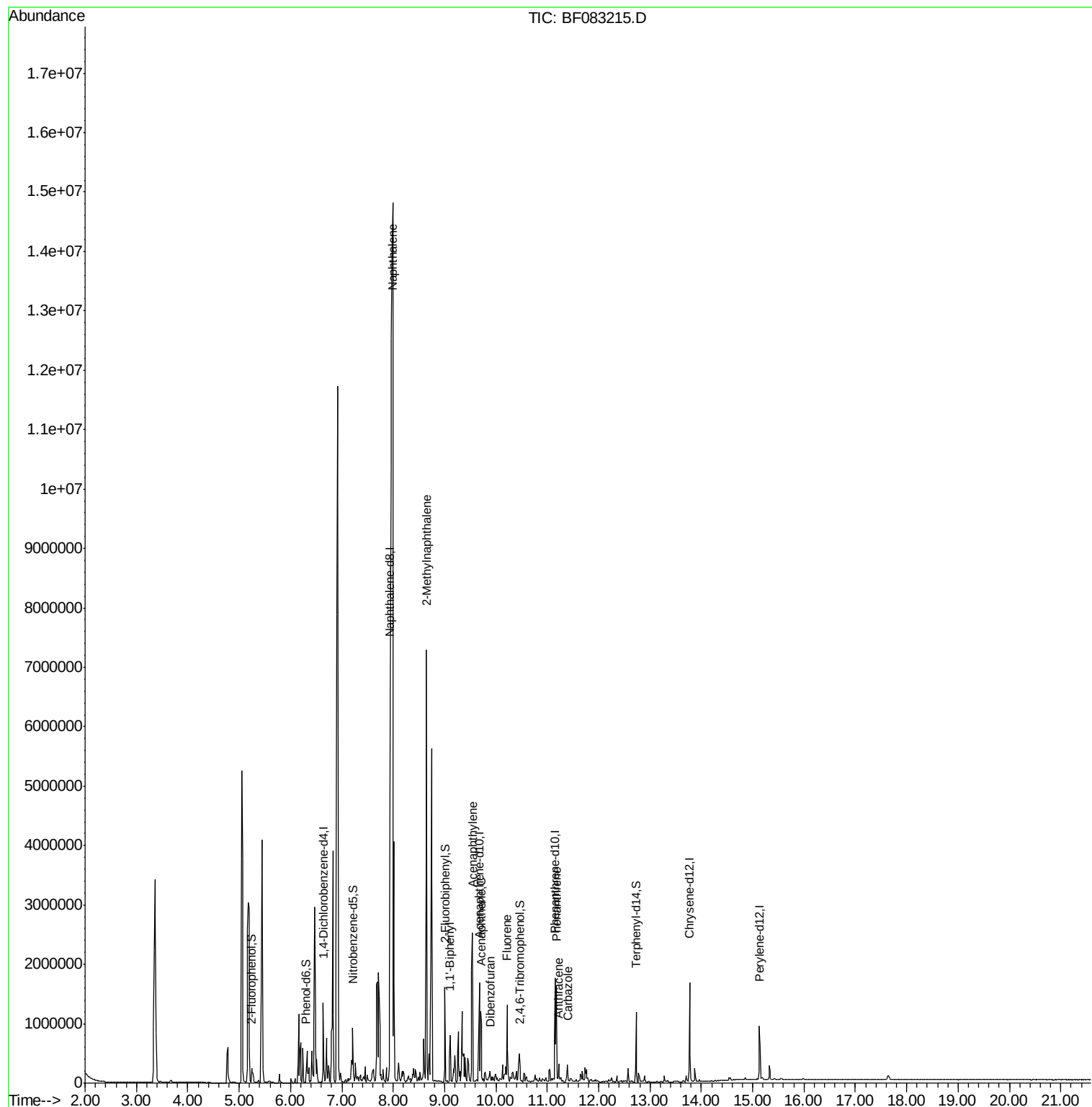
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	195732	20.00	ng	-0.02
21) Naphthalene-d8	7.94	136	652858	20.00	ng	-0.01
38) Acenaphthene-d10	9.68	164	372943	20.00	ng	-0.02
63) Phenanthrene-d10	11.15	188	700730	20.00	ng	-0.02
75) Chrysene-d12	13.77	240	573017	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						
31) Naphthalene	7.99	128	14899183	422.86	ng	Qvalue # 80
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

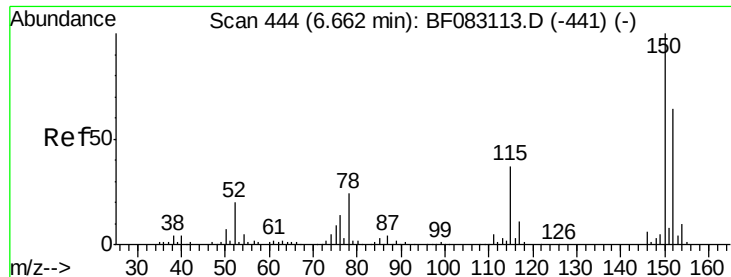
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 24 06:17:21 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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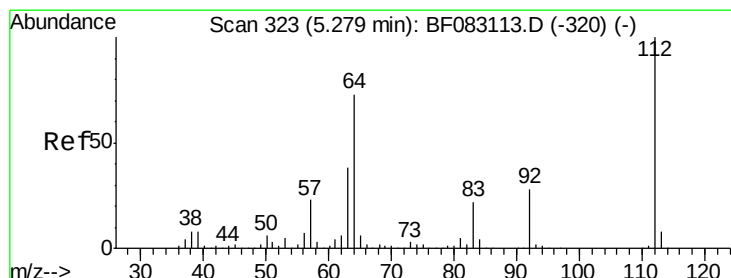
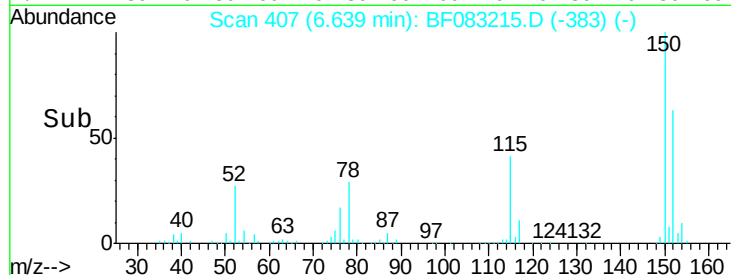
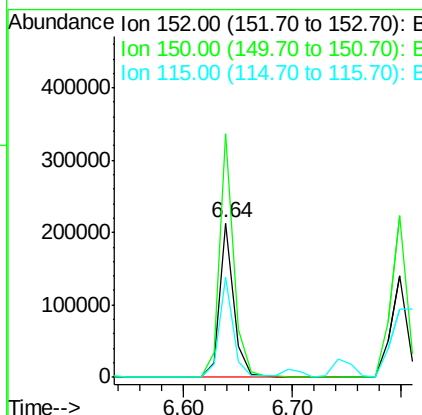
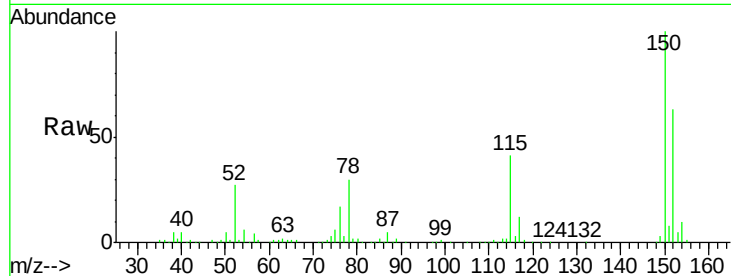


#1

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

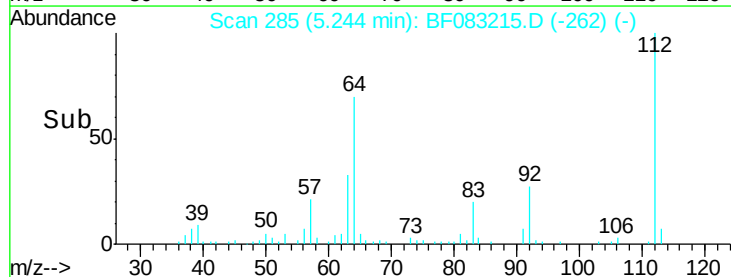
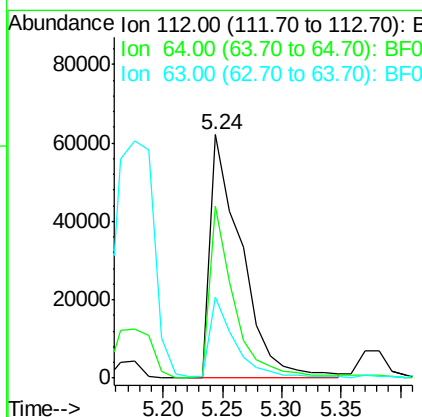
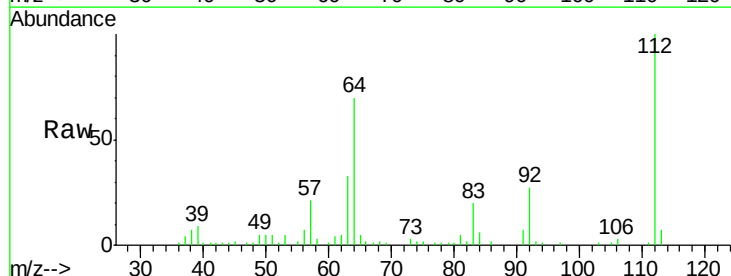
Tot Ion:152 Resp: 195732
Ion Ratio Lower Upper
152 100
150 158.0 125.8 188.8
115 64.9 46.9 70.3

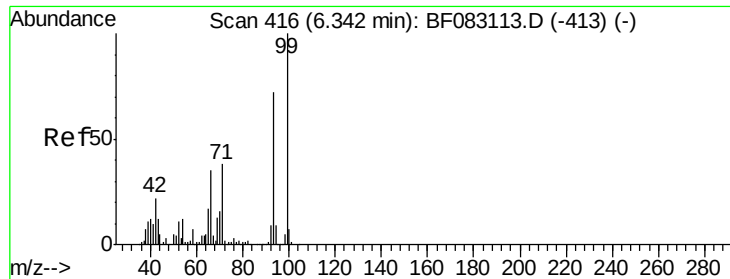


#5

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





#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

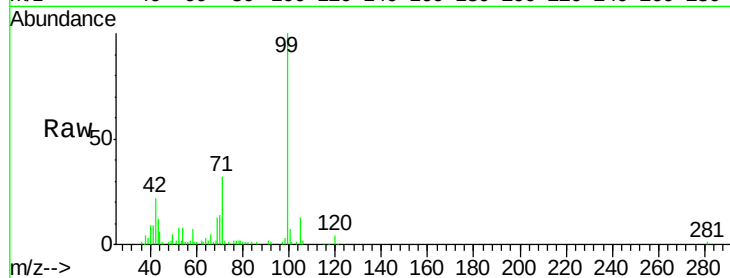
Tot Ion: 99 Resp: 104447

Ion Ratio Lower Upper

99 100

42 21.6 17.7 26.5

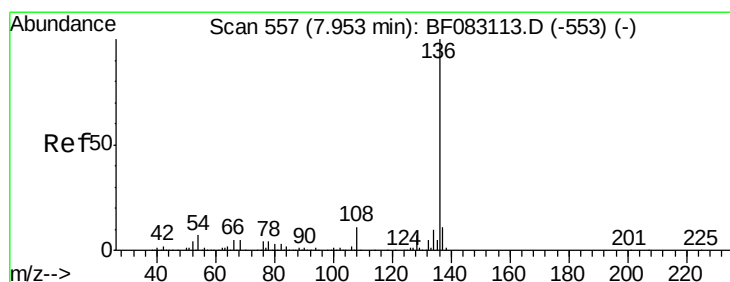
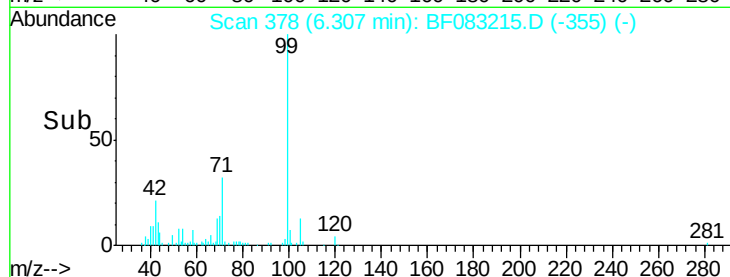
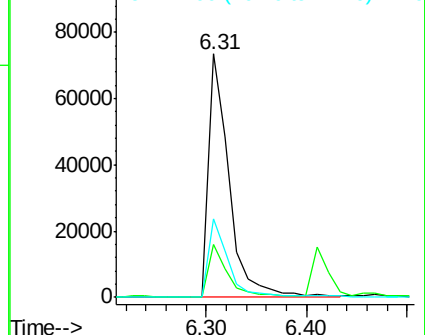
71 32.3 30.2 45.4



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



#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

Tgt Ion: 136 Resp: 652858

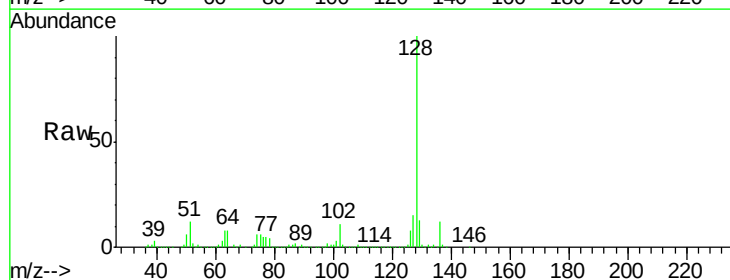
Ion Ratio Lower Upper

136 100

137 11.7 8.7 13.1

54 10.3 5.8 8.6#

68 6.5 3.8 5.8#

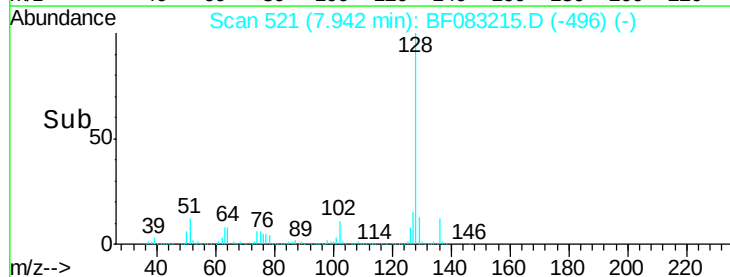
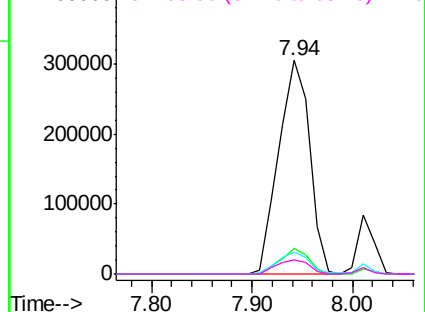


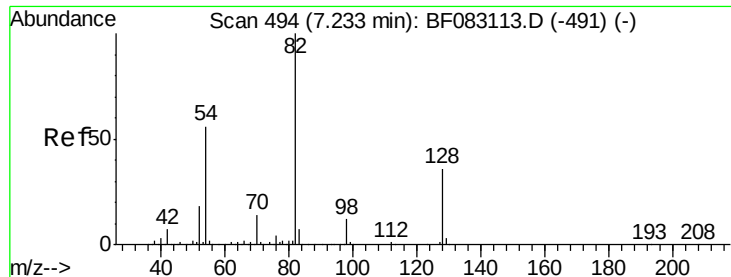
Abundance Ion 136.00 (135.70 to 136.70): E

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

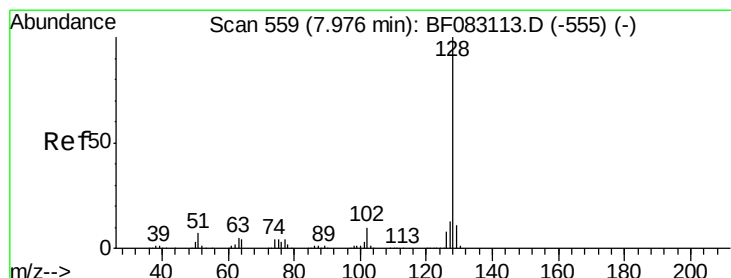
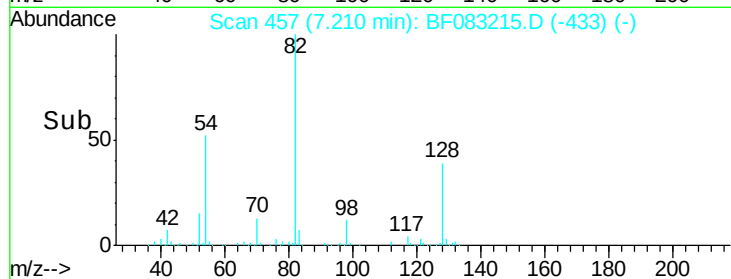
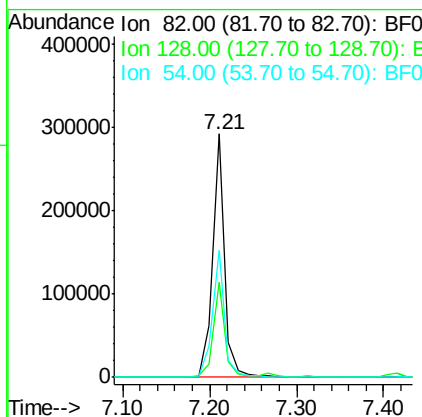
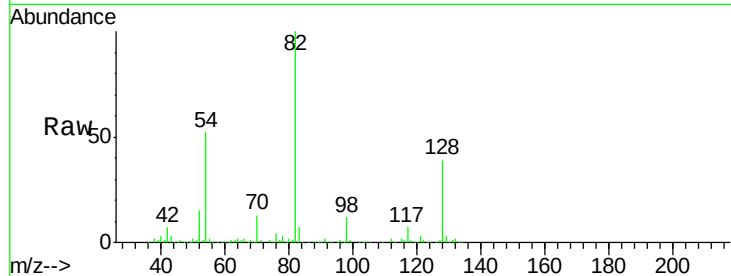




#23
 Nitrobenzene-d5
 Concen: 20.00 ng
 RT: 7.21 min Scan# 457
 Delta R.T. -0.02 min
 Lab File: BF083215.D
 Acq: 23 Nov 2015 20:39

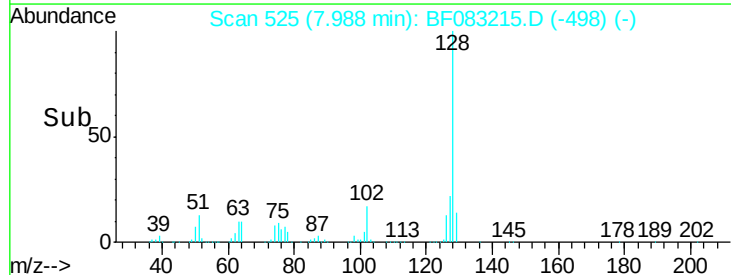
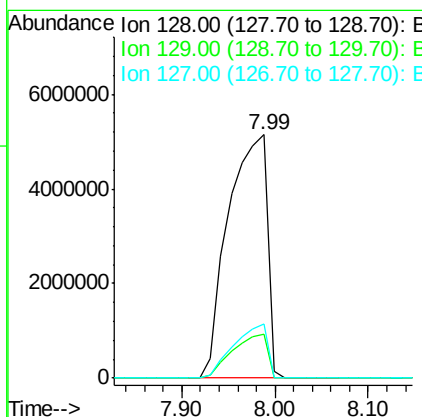
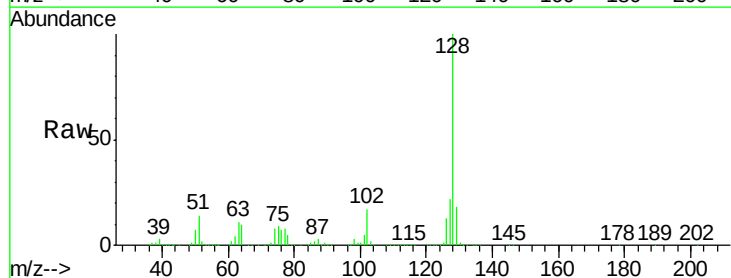
Instrument :
 BNA_F
 ClientSampleId :
 20151110MGP206BRV40DL

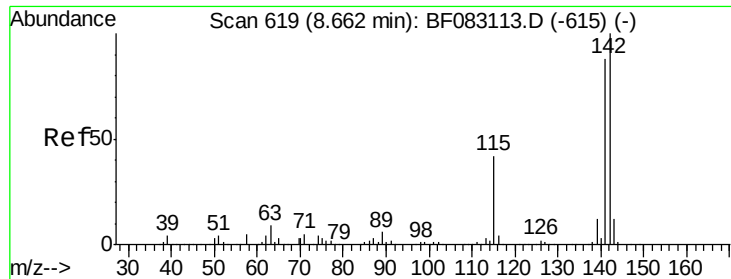
Tot Ion	82	Resp	285744
Ion Ratio	Lower	Upper	
82	100		
128	39.1	28.5	42.7
54	52.4	44.6	67.0



#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

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#

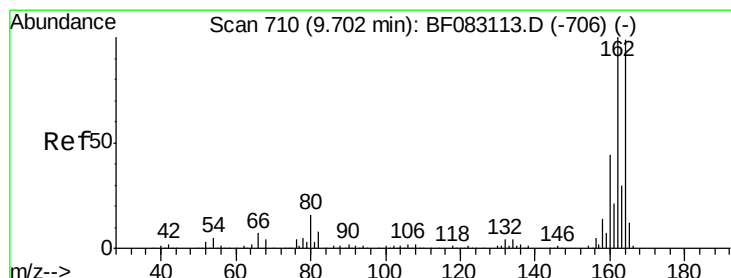
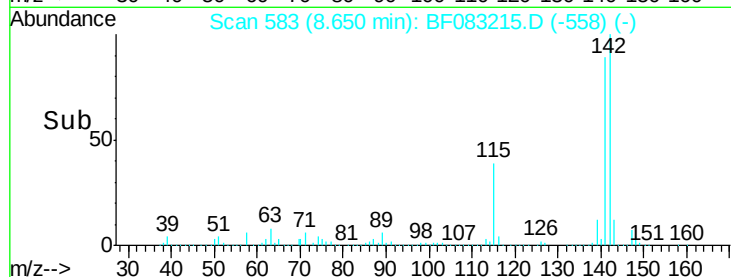
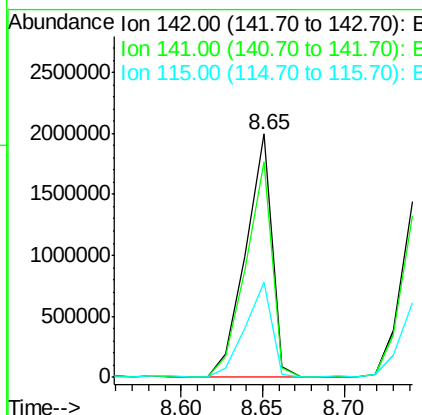
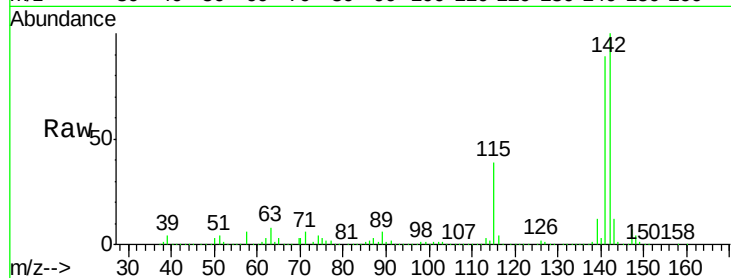




#37
2-Methylnaphthalene
Concen: 98.01 ng
RT: 8.65 min Scan# 583
Delta R.T. -0.01 min
Lab File: BF083215.D
Acq: 23 Nov 2015 20:39

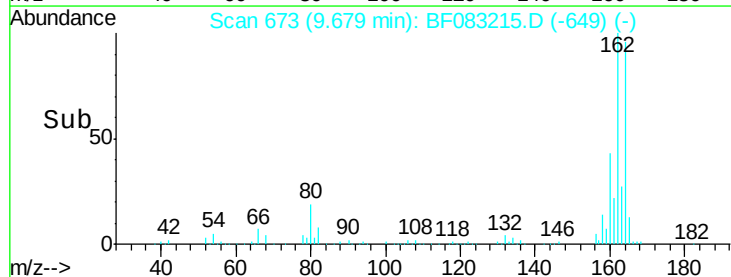
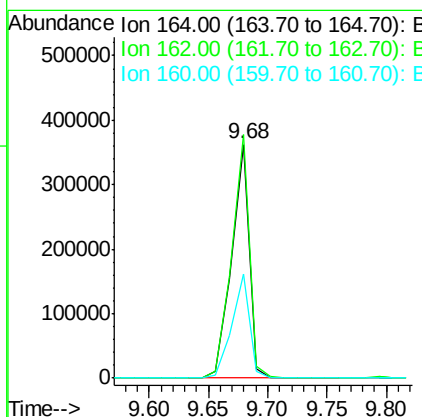
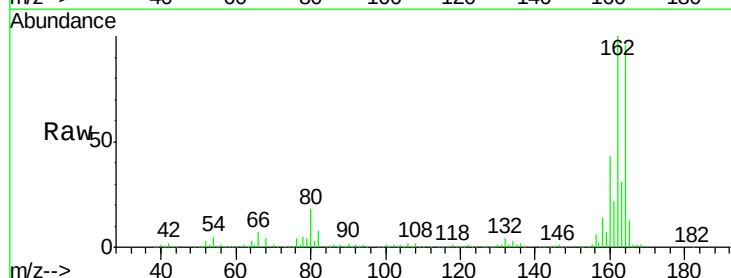
Instrument :
BNA_F
ClientSampleId :
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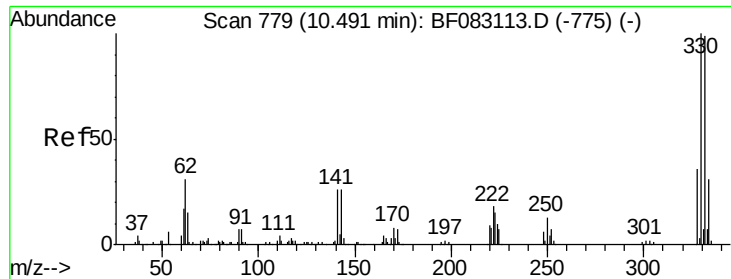
Tot Ion:142 Resp: 2241272
Ion Ratio Lower Upper
142 100
141 88.6 70.3 105.5
115 39.1 33.4 50.2



#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

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

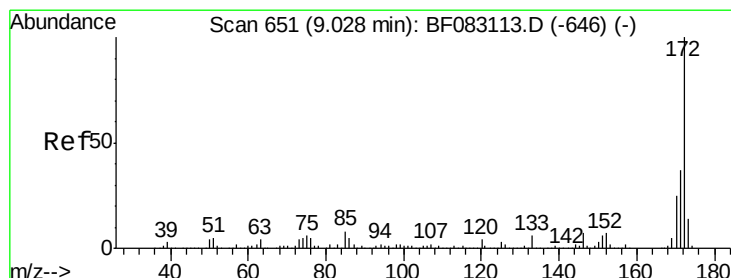
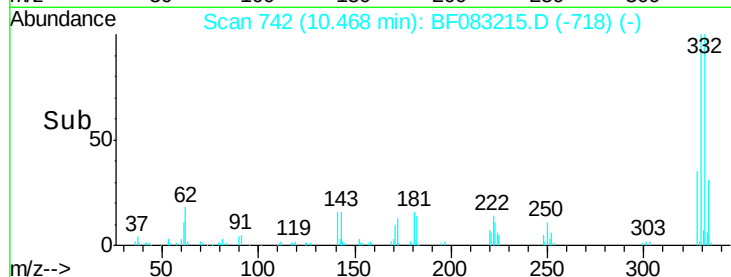
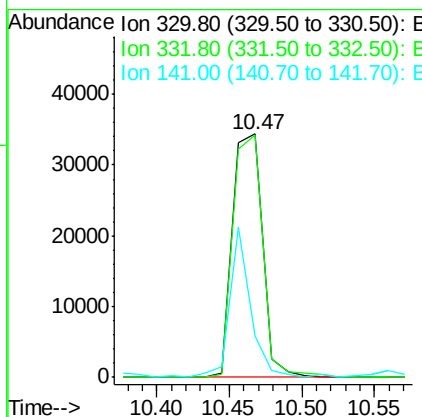
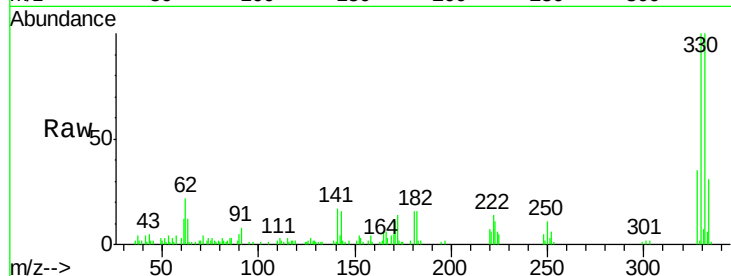




#41
 2,4,6-Tribromophenol
 Concen: 12.92 ng
 RT: 10.47 min Scan# 742
 Delta R.T. -0.02 min
 Lab File: BF083215.D
 Acq: 23 Nov 2015 20:39

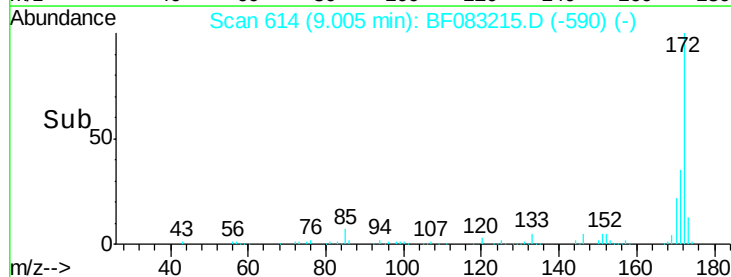
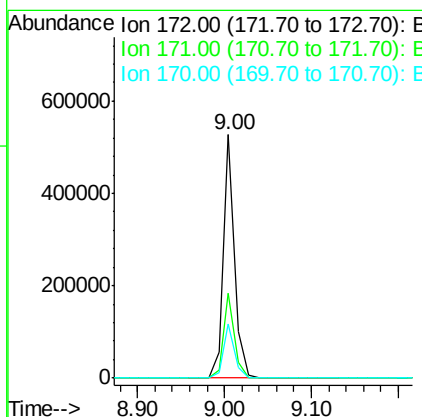
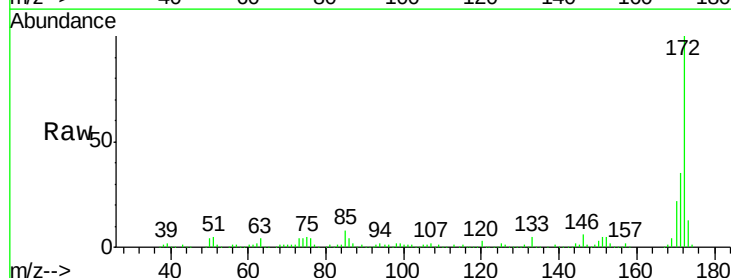
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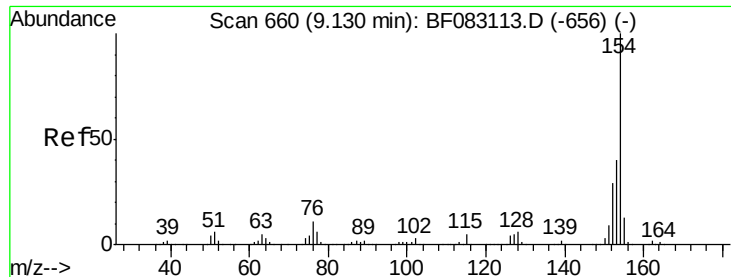
Tot Ion:330 Resp: 49311
 Ion Ratio Lower Upper
 330 100
 332 99.0 77.7 116.5
 141 43.0 29.7 44.5



#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

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

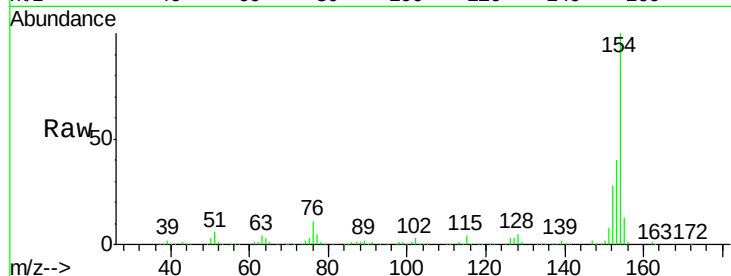




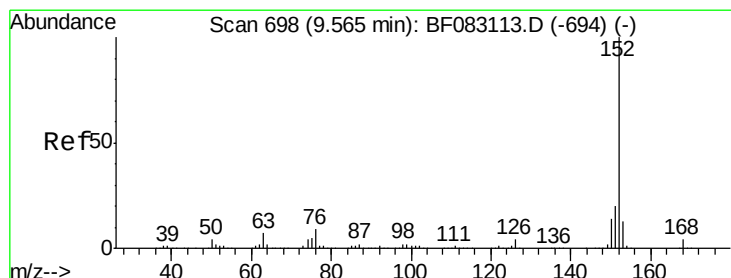
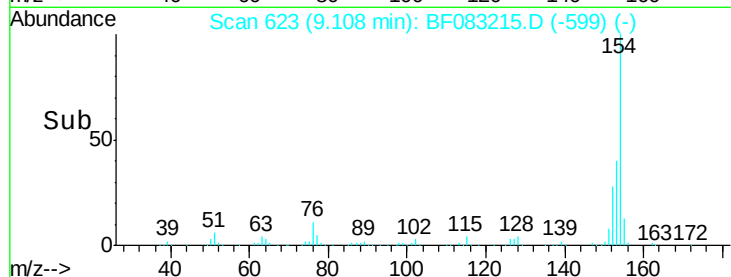
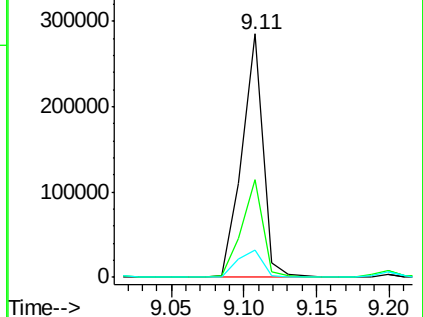
#45
1,1'-Biphenyl
Concen: 9.08 ng
RT: 9.11 min Scan# 623
Delta R.T. -0.02 min
Lab File: BF083215.D
Acq: 23 Nov 2015 20:39

Instrument :
BNA_F
ClientSampleId :
20151110MGP206BRV40DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.5	60.5
76	11.4	0.0	31.2

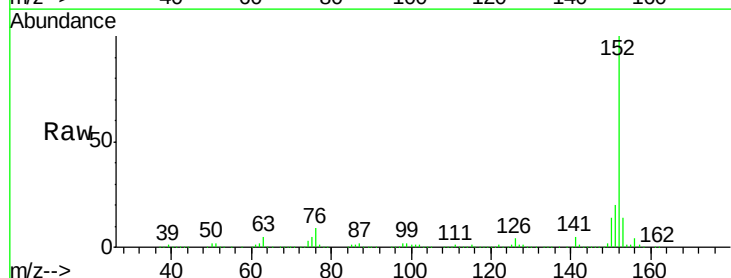


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

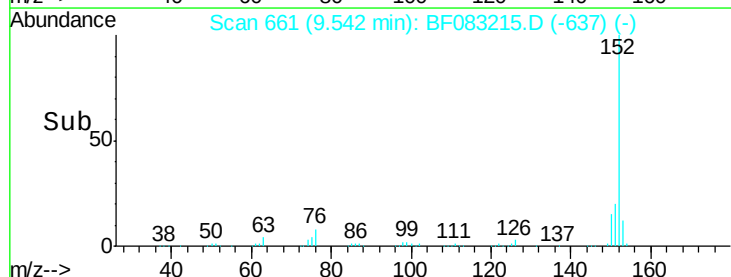
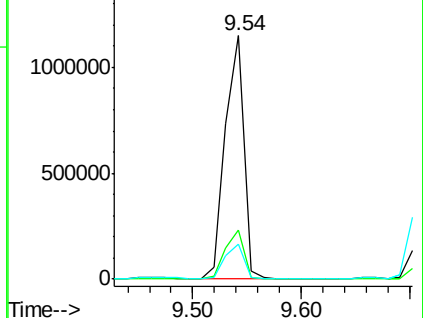


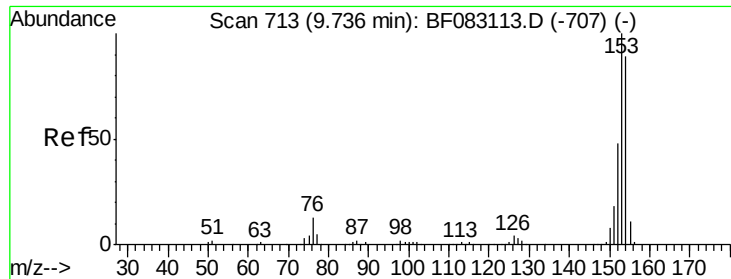
#48
Acenaphthylene
Concen: 35.30 ng
RT: 9.54 min Scan# 661
Delta R.T. -0.02 min
Lab File: BF083215.D
Acq: 23 Nov 2015 20:39

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.3	24.5
153	14.1	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





#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

Instrument :

BNA_F

ClientSampleId :

20151110MGP206BRV40DL

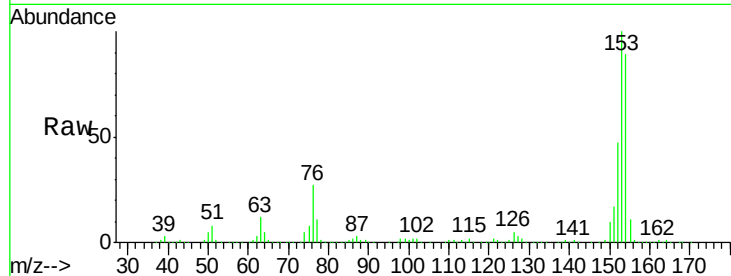
Tot Ion:154 Resp: 368065

Ion Ratio Lower Upper

154 100

153 112.6 89.6 134.4

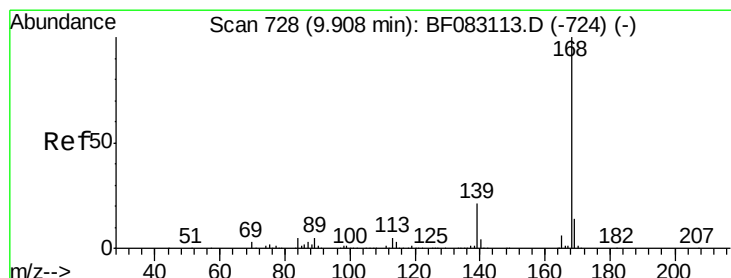
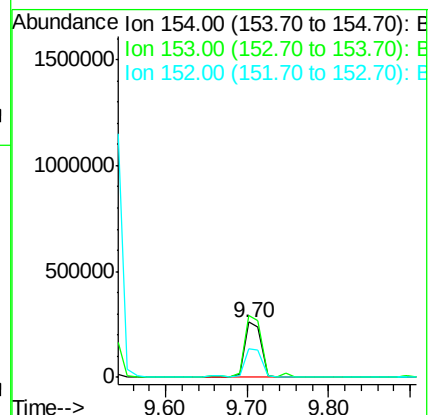
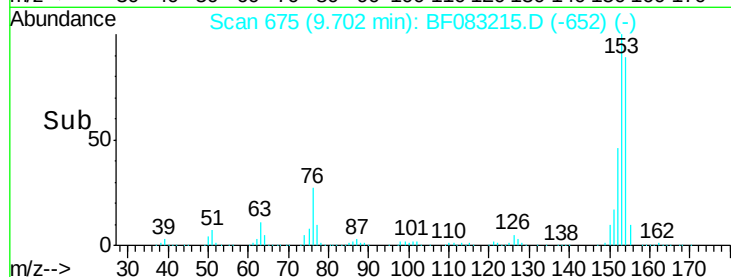
152 52.6 43.3 64.9



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: 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

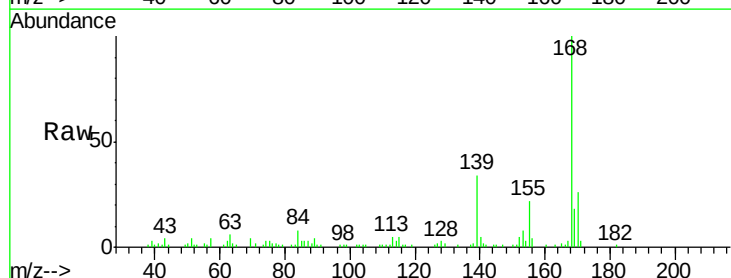
Tgt Ion:168 Resp: 77446

Ion Ratio Lower Upper

168 100

139 34.3 30.2 45.2

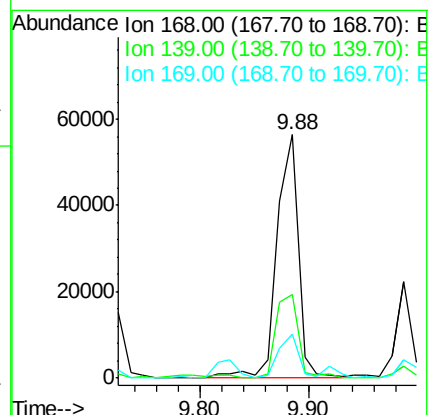
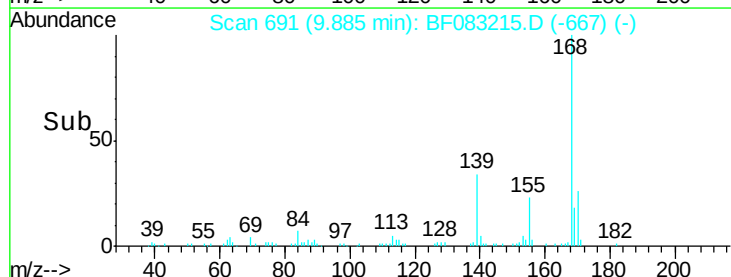
169 18.3 10.9 16.3#

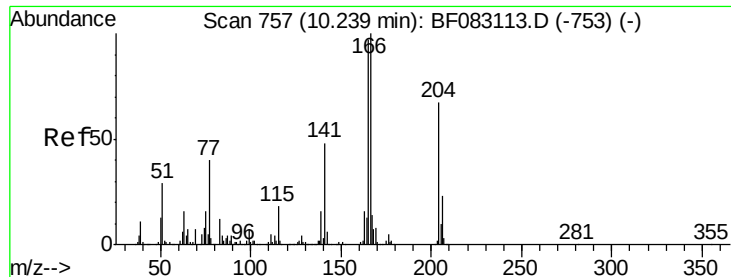


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

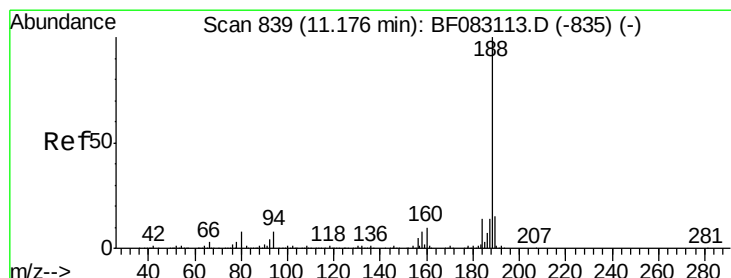
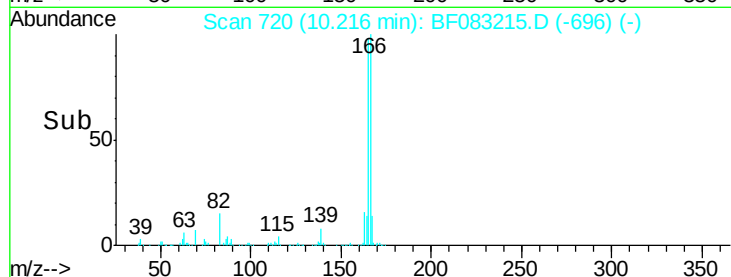
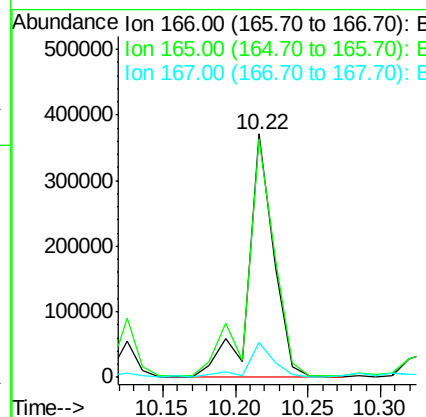
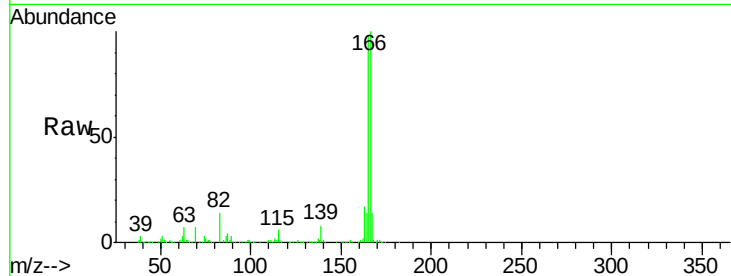




#57
Fluorene
 Concen: 16.27 ng
 RT: 10.22 min Scan# 720
 Delta R.T. -0.02 min
 Lab File: BF083215.D
 Acq: 23 Nov 2015 20:39

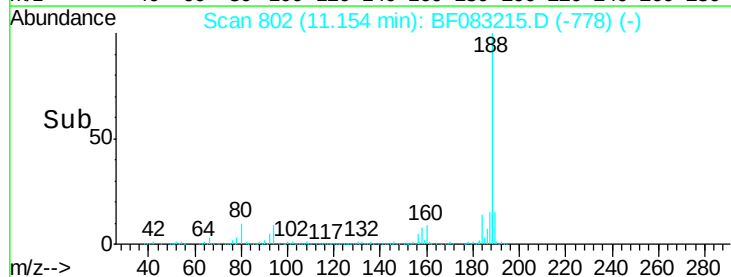
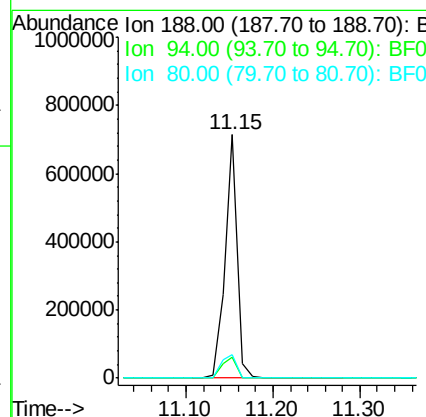
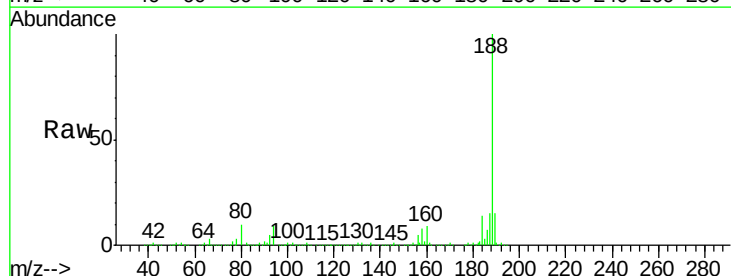
Instrument :
 BNA_F
 ClientSampleId :
 20151110MGP206BRV40DL

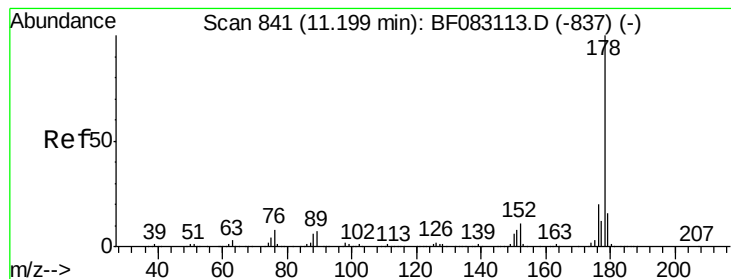
Tot Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.0	117.0
167	14.4	11.3	16.9



#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

Tgt 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

Instrument :

BNA_F

ClientSampleId :

20151110MGP206BRV40DL

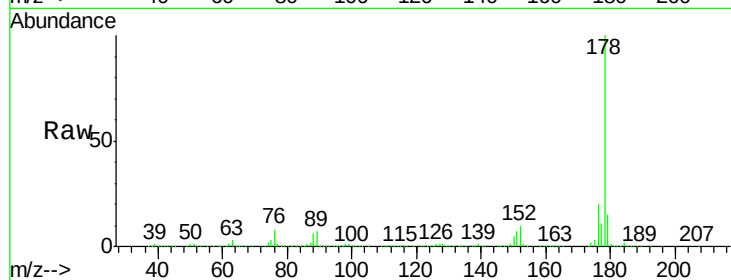
Tot Ion:178 Resp: 633763

Ion Ratio Lower Upper

178 100

176 19.7 16.2 24.2

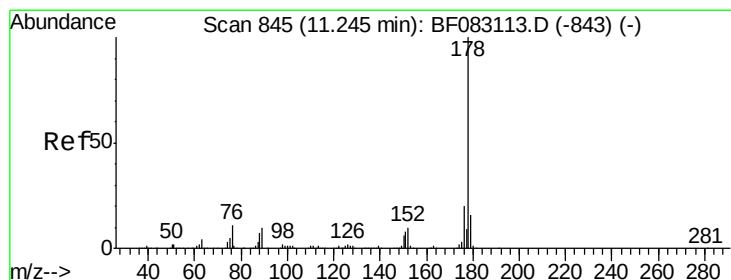
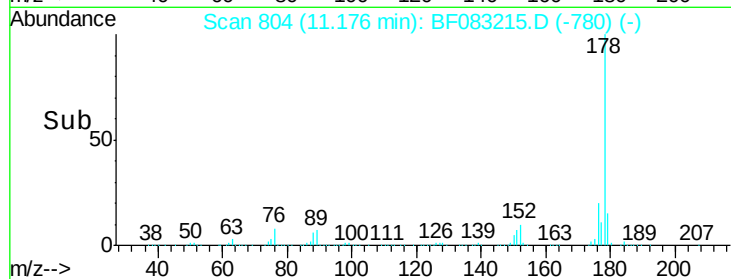
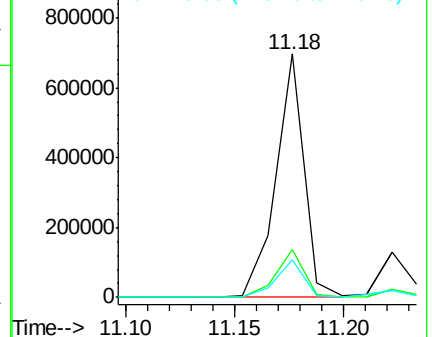
179 15.3 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#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

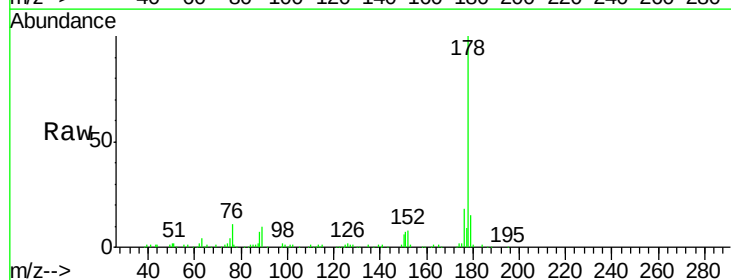
Tgt Ion:178 Resp: 127202

Ion Ratio Lower Upper

178 100

176 18.3 15.6 23.4

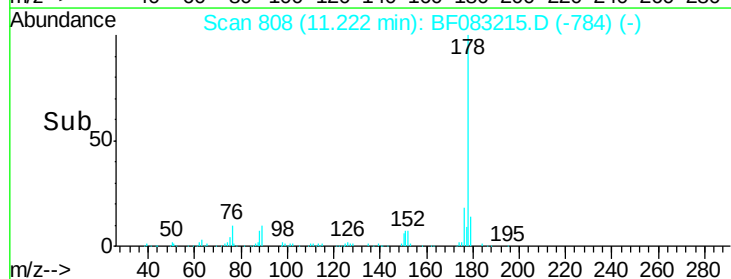
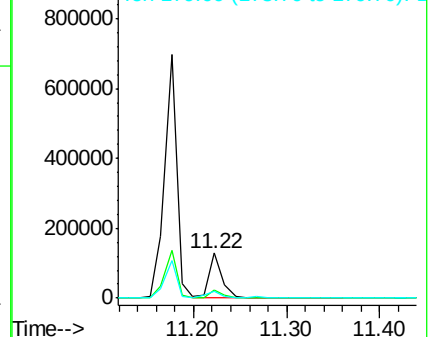
179 15.0 13.2 19.8

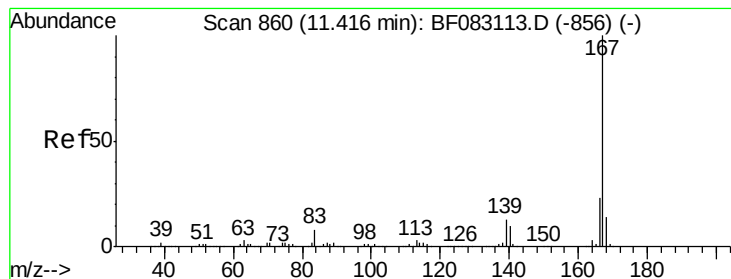


Abundance Ion 178.00 (177.70 to 178.70): E

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

Instrument :

BNA_F

ClientSampleId :

20151110MGP206BRV40DL

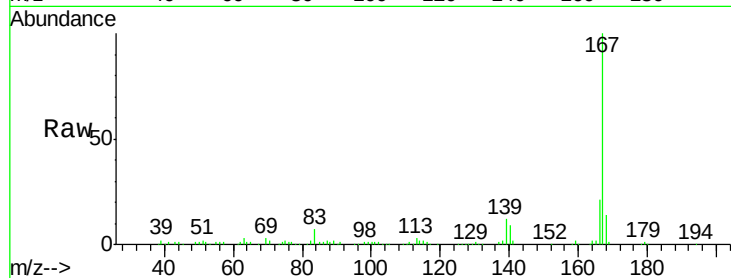
Tot Ion:167 Resp: 154085

Ion Ratio Lower Upper

167 100

166 21.4 18.0 27.0

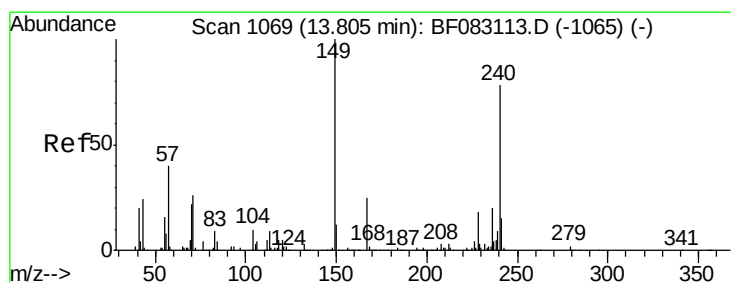
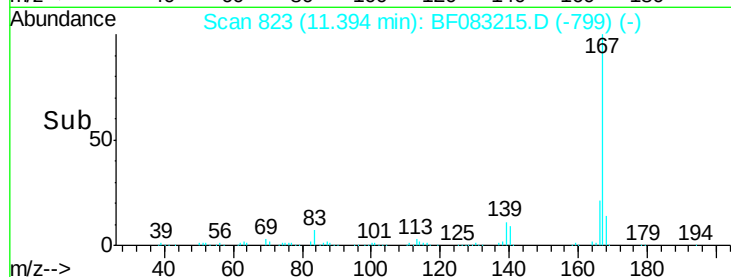
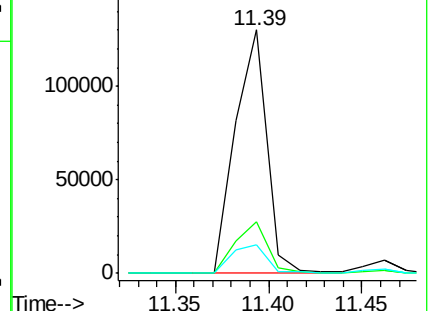
139 11.6 10.5 15.7



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

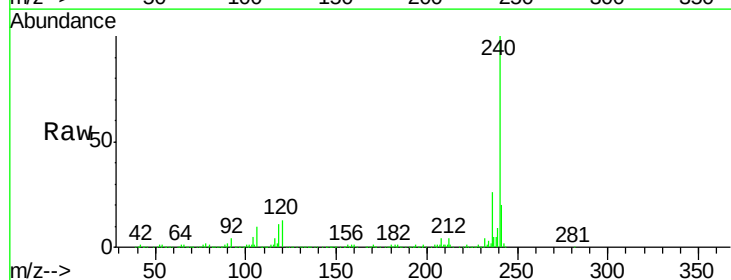
Tgt Ion:240 Resp: 573017

Ion Ratio Lower Upper

240 100

120 13.0 5.4 8.2#

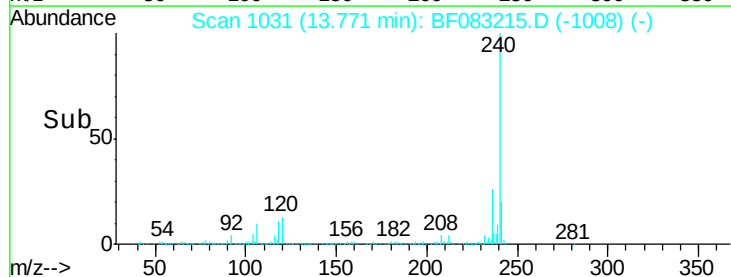
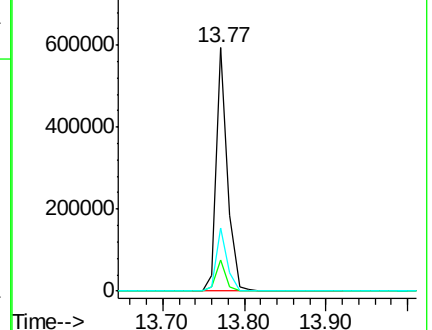
236 25.9 20.6 31.0

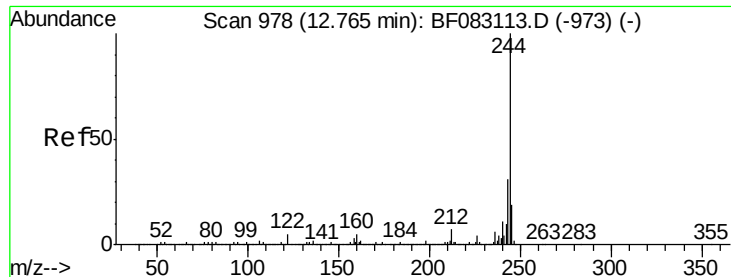


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

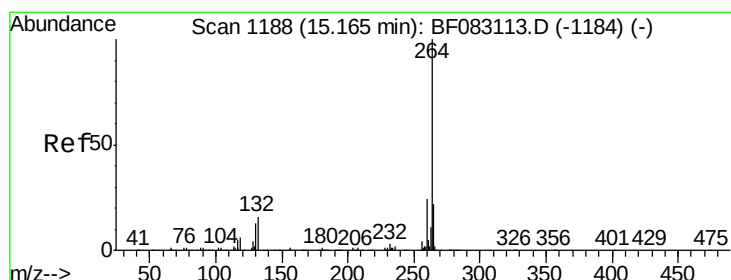
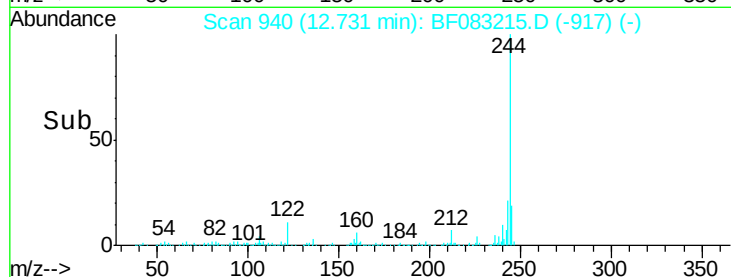
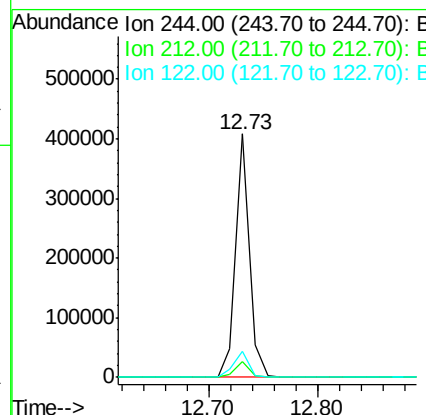
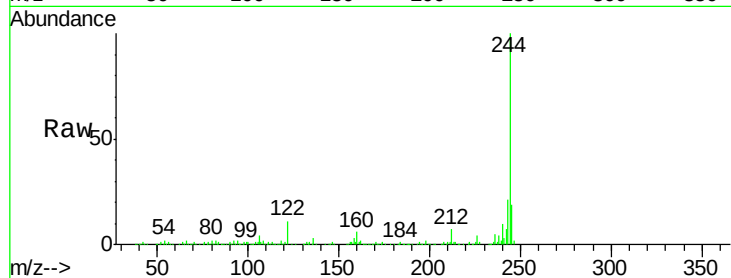




#78
 Terphenyl-d14
 Concen: 14.51 ng
 RT: 12.73 min Scan# 940
 Delta R.T. -0.03 min
 Lab File: BF083215.D
 Acq: 23 Nov 2015 20:39

Instrument :
 BNA_F
 ClientSampleId :
 20151110MGP206BRV40DL

Tot Ion:244 Resp: 352969
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.2
 122 10.5 4.3 6.5#



#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

Tgt Ion:264 Resp: 430256
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.1 28.7
 265 21.9 18.2 27.4

