

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090515\
 Data File : BF081500.D
 Acq On : 6 Sep 2015 10:12
 Operator : UM/IZ
 Sample : G3498-01DL 25X
 Misc :
 ALS Vial : 75 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MGP206BR-29-31DL

Quant Time: Sep 07 01:55:07 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 01 17:35:35 2015
 Response via : Initial Calibration

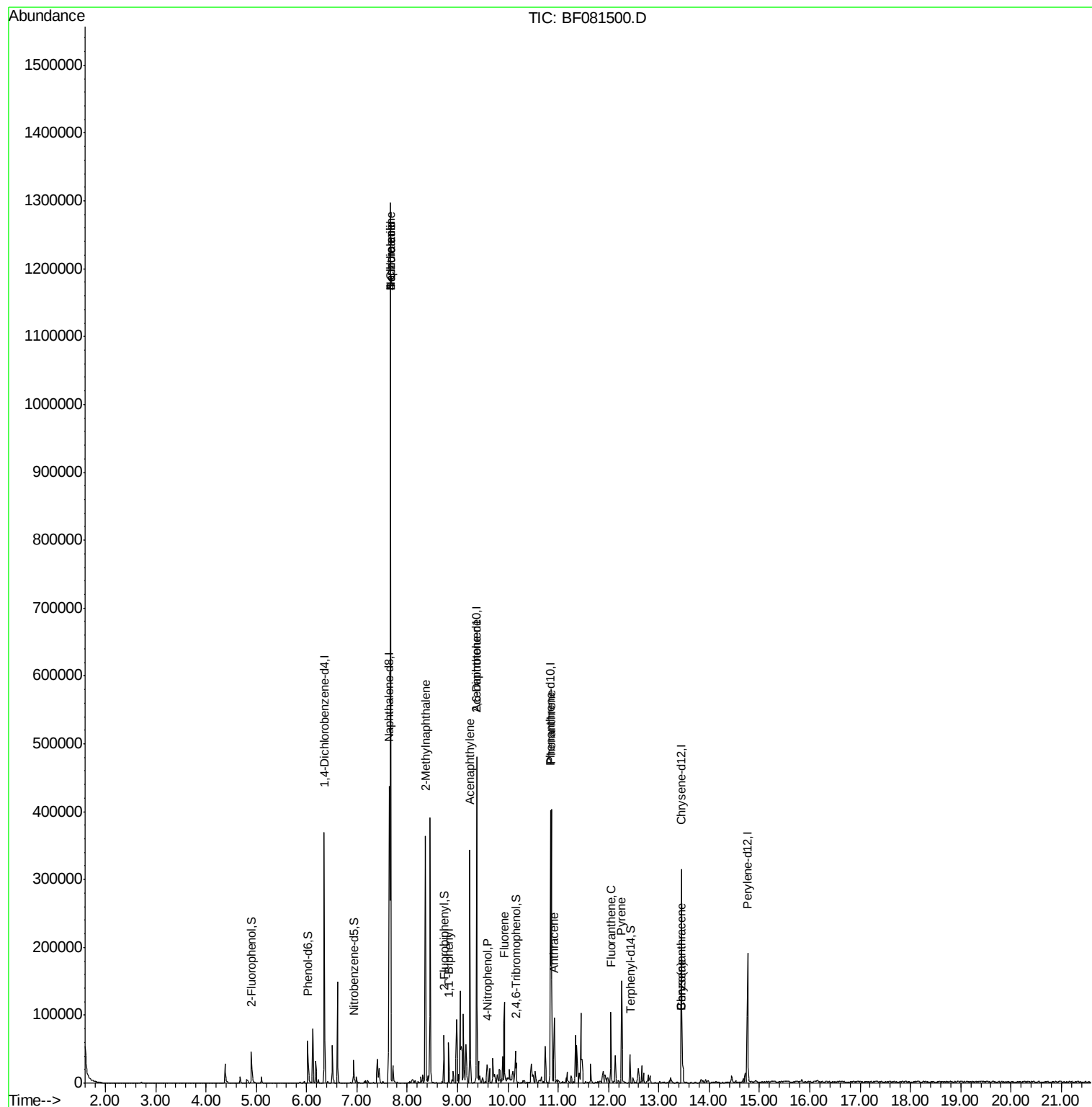
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.35	152	49526	20.00	ng	-0.03
21) Naphthalene-d8	7.64	136	186749	20.00	ng	-0.03
38) Acenaphthene-d10	9.38	164	85824	20.00	ng	-0.03
63) Phenanthrene-d10	10.84	188	164525	20.00	ng	-0.03
75) Chrysene-d12	13.45	240	113422	20.00	ng	-0.05
86) Perylene-d12	14.77	264	84796	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	4.90	112	17702	5.55	ng	-0.02
7) Phenol-d6	6.02	99	29368	6.95	ng	-0.03
23) Nitrobenzene-d5	6.94	82	14552	3.76	ng	-0.03
41) 2,4,6-Tribromophenol	10.17	330	3616	4.73	ng	-0.03
44) 2-Fluorobiphenyl	8.73	172	28574	4.27	ng	-0.03
78) Terphenyl-d14	12.43	244	21721	4.46	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	7.67	128	493522	49.55	ng	97
32) Benzoic acid	7.67	122	1032	2.99	ng	# 1
33) 4-Chloroaniline	7.67	127	65239	16.06	ng	# 33
37) 2-Methylnaphthalene	8.36	142	146451	22.60	ng	# 91
45) 1,1'-Biphenyl	8.82	154	18260	2.31	ng	94
48) Acenaphthylene	9.24	152	125784	12.43	ng	97
50) 2,6-Dinitrotoluene	9.38	165	13086	8.65	ng	# 44
55) 4-Nitrophenol	9.59	139	2579	2.38	ng	# 25
57) Fluorene	9.93	166	56383	8.84	ng	97
70) Phenanthrene	10.87	178	160698	17.57	ng	97
71) Anthracene	10.92	178	45176	4.81	ng	99
74) Fluoranthene	12.04	202	46232	4.67	ng	87
77) Pvrene	12.26	202	68959	8.21	ng	99
80) Benzo(a)anthracene	13.44	228	16238	2.25	ng	# 73
82) Chrysene	13.44	228	16238	2.51	ng	# 75

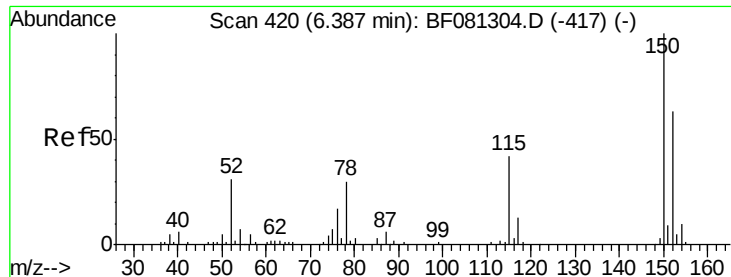
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.03 min

Lab File: BF081500.D

Acq: 6 Sep 2015 10:12

Instrument :

BNA_F

ClientSampleId :

MGP206BR-29-31DL

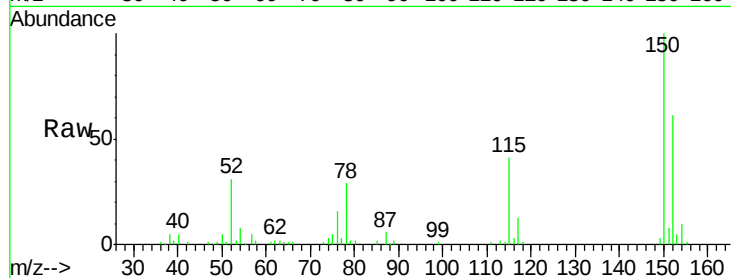
Tot Ion:152 Resp: 49526

Ion Ratio Lower Upper

152 100

150 163.8 124.7 187.1

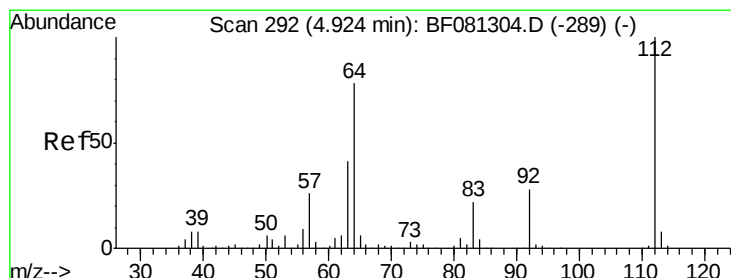
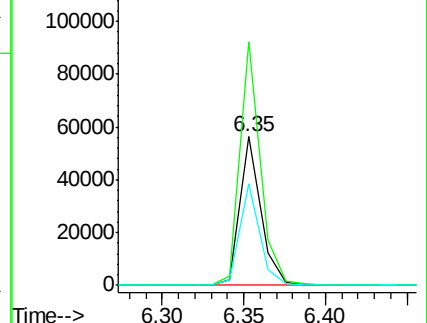
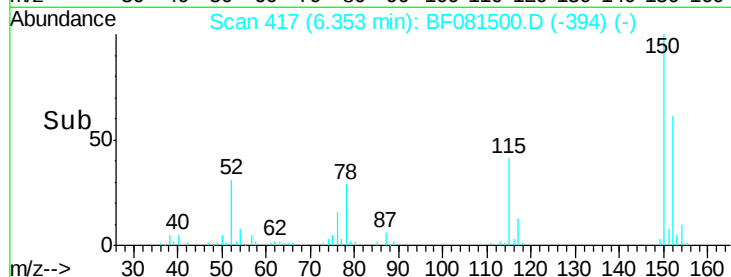
115 68.0 39.0 58.4#



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: 5.55 ng

RT: 4.90 min Scan# 290

Delta R.T. -0.02 min

Lab File: BF081500.D

Acq: 6 Sep 2015 10:12

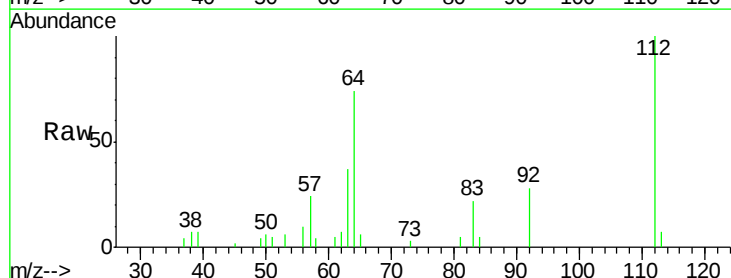
Tgt Ion:112 Resp: 17702

Ion Ratio Lower Upper

112 100

64 74.4 39.7 59.5#

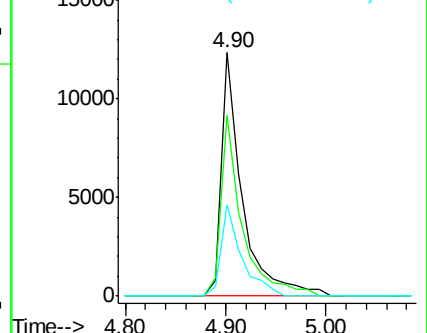
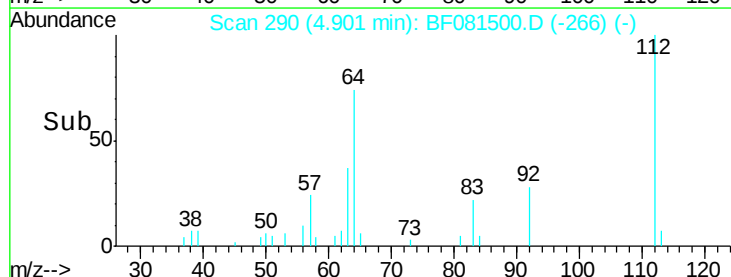
63 37.5 17.4 26.0#

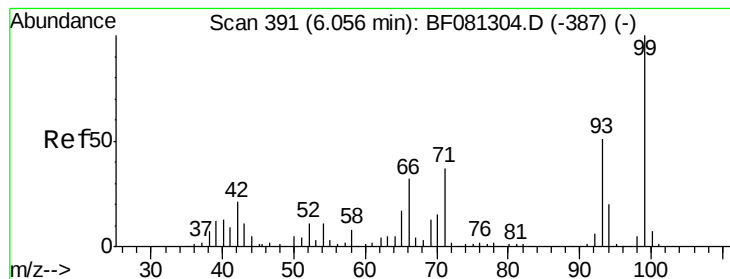


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 6.95 ng

RT: 6.02 min Scan# 388

Delta R.T. -0.03 min

Lab File: BF081500.D

Acq: 6 Sep 2015 10:12

Instrument :

BNA_F

ClientSampleId :

MGP206BR-29-31DL

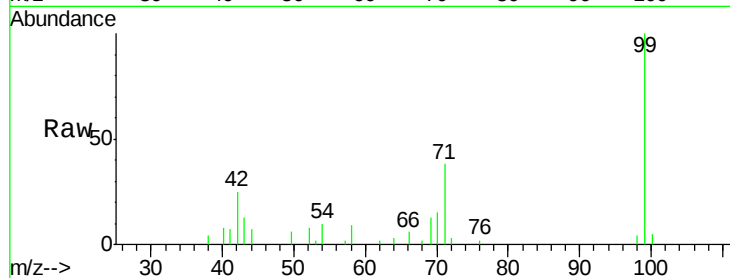
Tot Ion: 99 Resp: 29368

Ion Ratio Lower Upper

99 100

42 24.5 13.7 20.5#

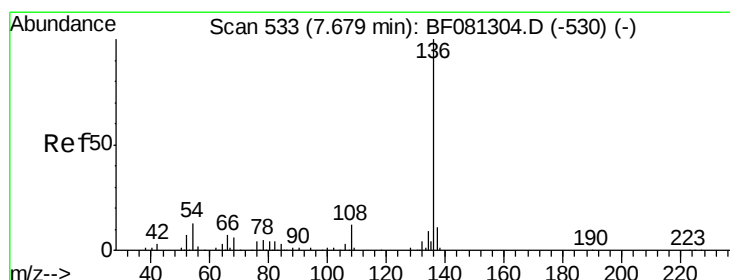
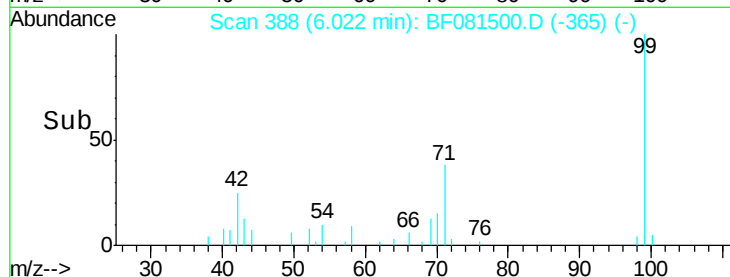
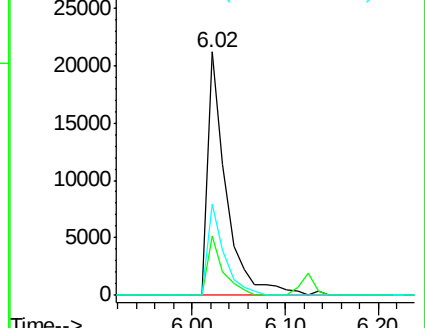
71 37.5 14.2 21.2#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.64 min Scan# 530

Delta R.T. -0.03 min

Lab File: BF081500.D

Acq: 6 Sep 2015 10:12

Tgt Ion: 136 Resp: 186749

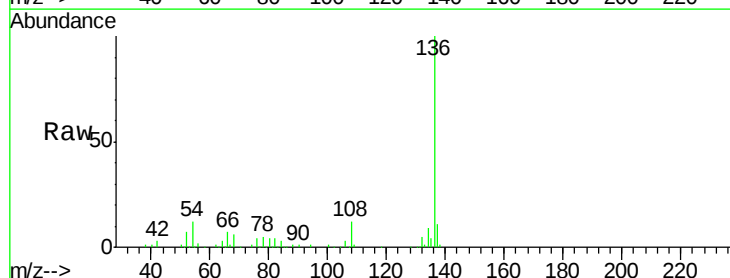
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 12.3 8.2 12.2#

68 5.5 5.8 8.6#

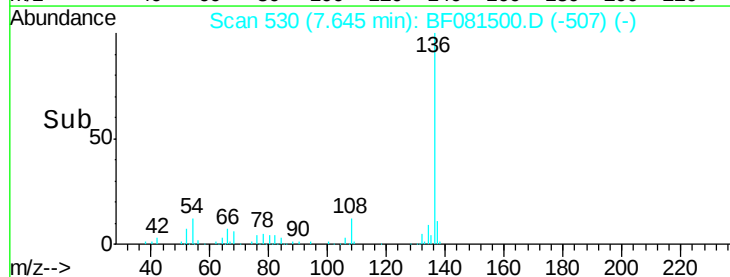
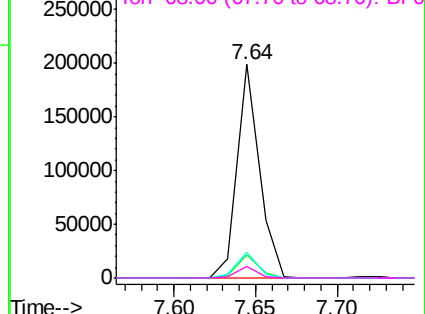


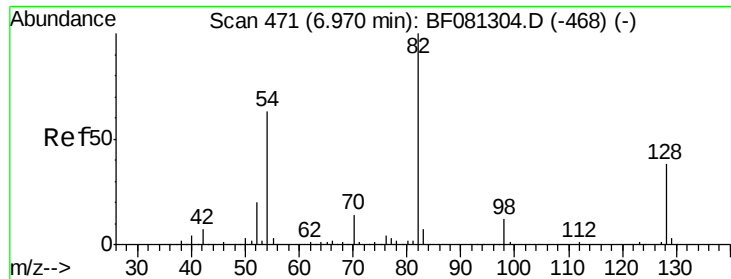
Abundance Ion 136.00 (135.70 to 136.70): E

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

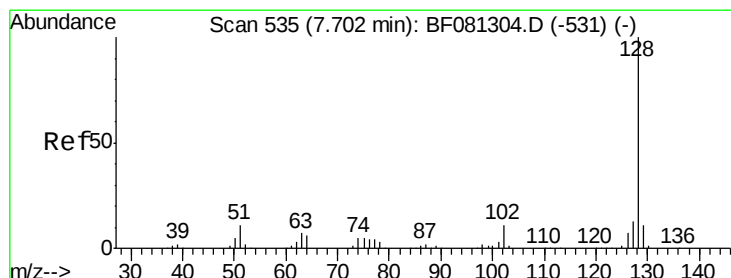
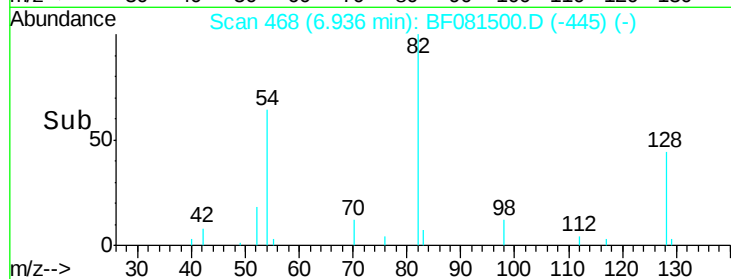
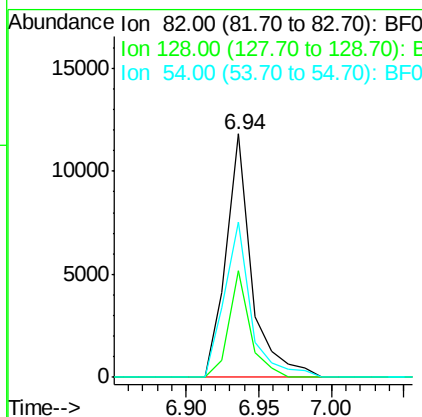
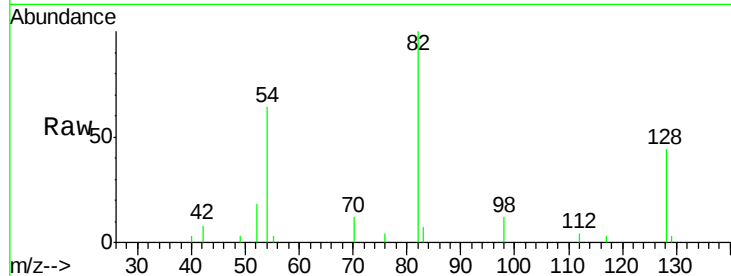




#23
 Nitrobenzene-d5
 Concen: 3.76 ng
 RT: 6.94 min Scan# 468
 Delta R.T. -0.03 min
 Lab File: BF081500.D
 Acq: 6 Sep 2015 10:12

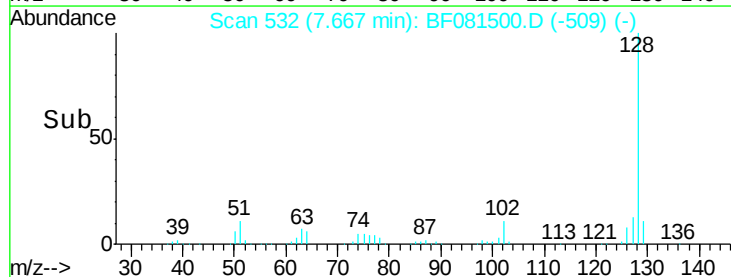
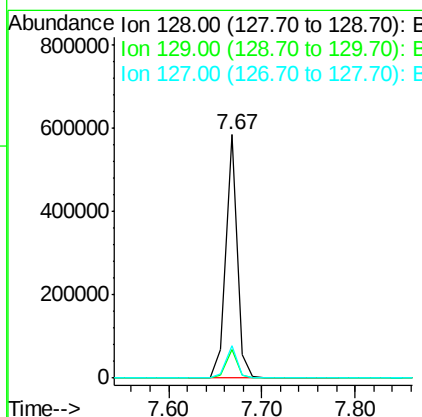
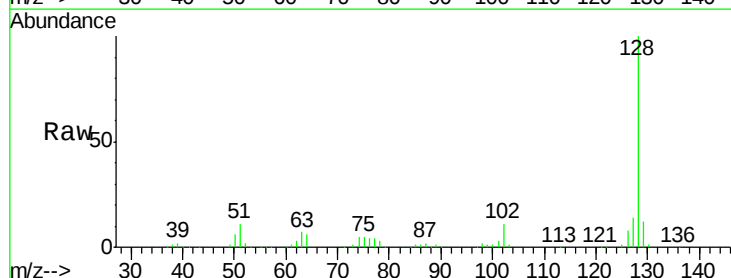
Instrument :
 BNA_F
 ClientSampleId :
 MGP206BR-29-31DL

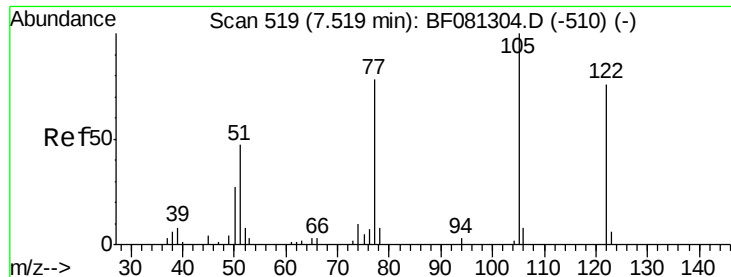
Tot Ion: 82 Resp: 14552
 Ion Ratio Lower Upper
 82 100
 128 43.8 51.0 76.6#
 54 63.9 47.5 71.3



#31
 Naphthalene
 Concen: 49.55 ng
 RT: 7.67 min Scan# 532
 Delta R.T. -0.03 min
 Lab File: BF081500.D
 Acq: 6 Sep 2015 10:12

Tgt Ion: 128 Resp: 493522
 Ion Ratio Lower Upper
 128 100
 129 11.6 8.4 12.6
 127 13.5 9.9 14.9





#32

Benzoic acid

Concen: 2.99 ng

RT: 7.67 min Scan# 532

Delta R.T. 0.15 min

Lab File: BF081500.D

Acq: 6 Sep 2015 10:12

Instrument :

BNA_F

ClientSampleId :

MGP206BR-29-31DL

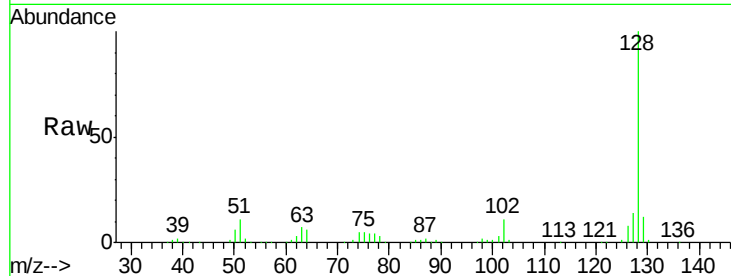
Tot Ion:122 Resp: 1032

Ion Ratio Lower Upper

122 100

105 0.0 76.1 116.1#

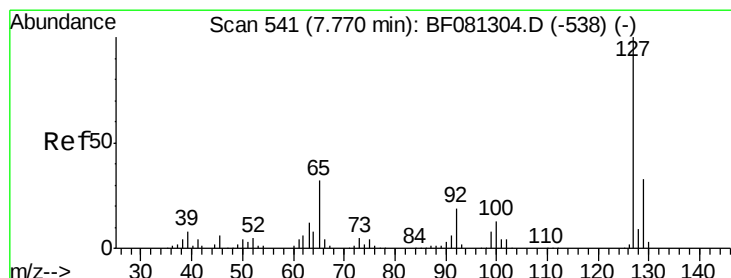
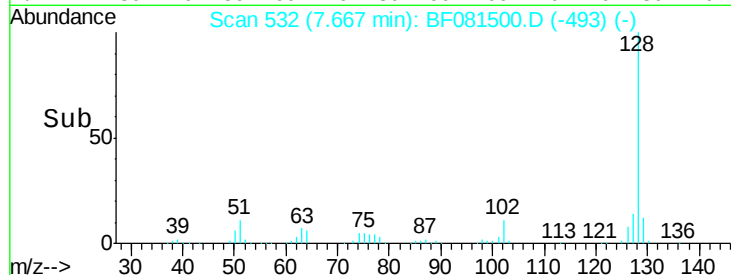
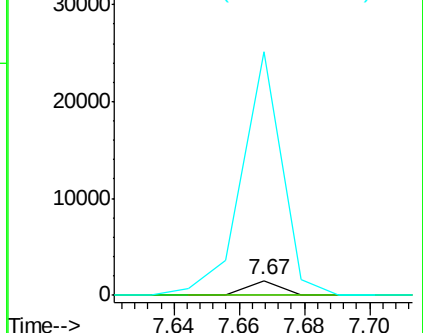
77 1669.6 40.5 80.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#33

4-Chloroaniline

Concen: 16.06 ng

RT: 7.67 min Scan# 532

Delta R.T. -0.10 min

Lab File: BF081500.D

Acq: 6 Sep 2015 10:12

Tgt Ion:127 Resp: 65239

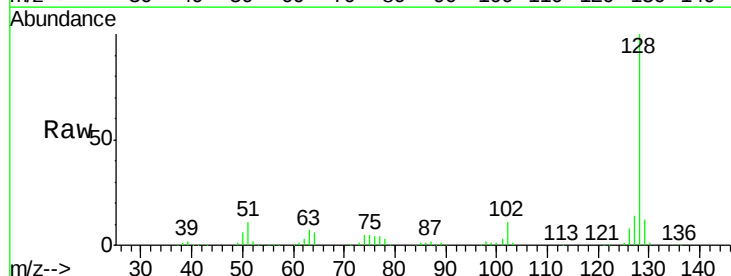
Ion Ratio Lower Upper

127 100

129 85.6 25.8 38.6#

65 0.0 17.9 26.9#

92 0.0 10.5 15.7#

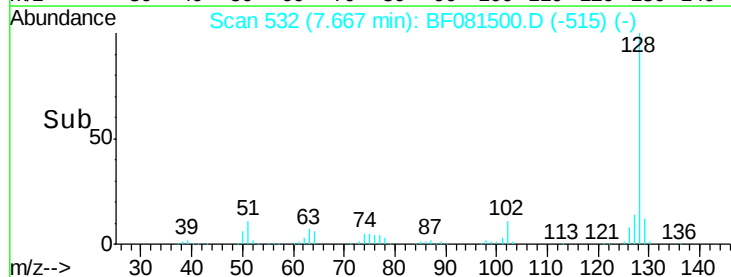
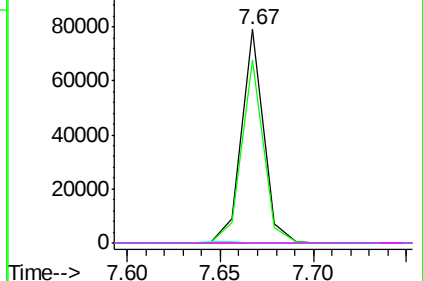


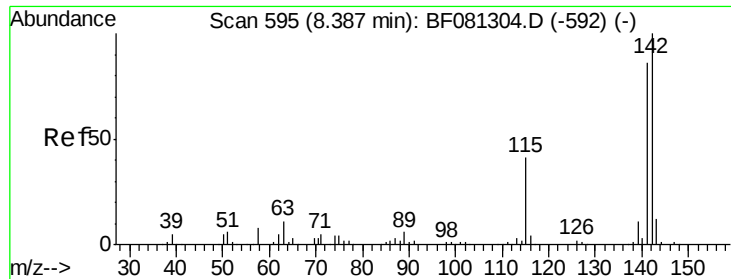
Abundance Ion 127.00 (126.70 to 127.70): E

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

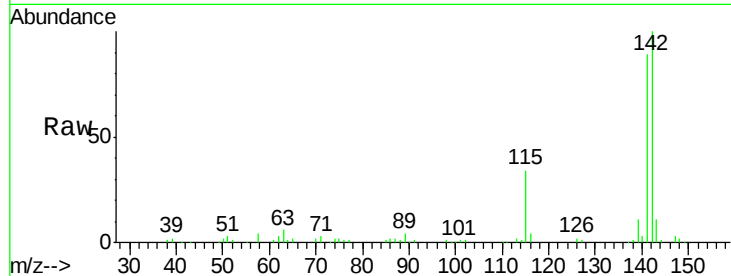




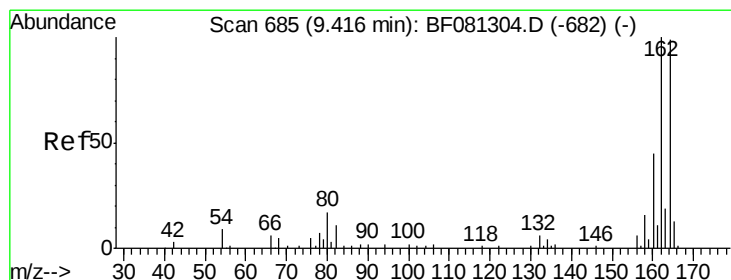
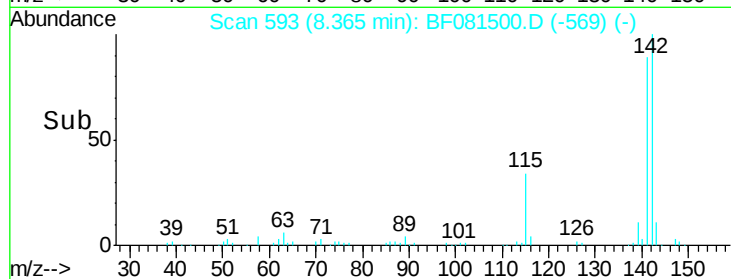
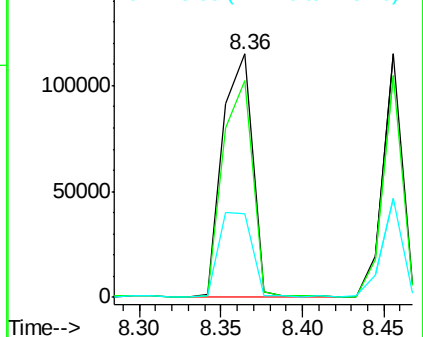
#37
2-Methylnaphthalene
Concen: 22.60 ng
RT: 8.36 min Scan# 593
Delta R.T. -0.02 min
Lab File: BF081500.D
Acq: 6 Sep 2015 10:12

Instrument :
BNA_F
ClientSampleId :
MGP206BR-29-31DL

Tot Ion:142 Resp: 146451
Ion Ratio Lower Upper
142 100
141 89.2 67.5 101.3
115 34.2 18.2 27.2#

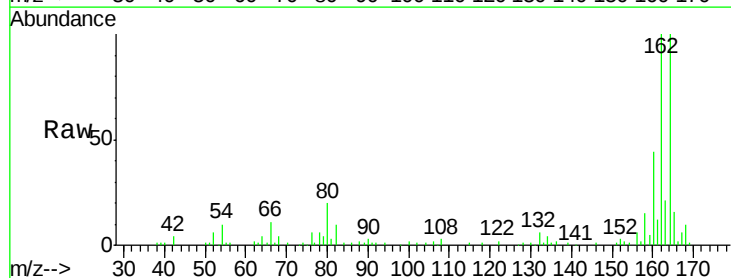


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

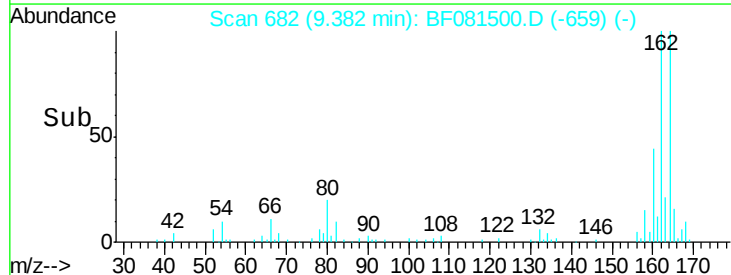
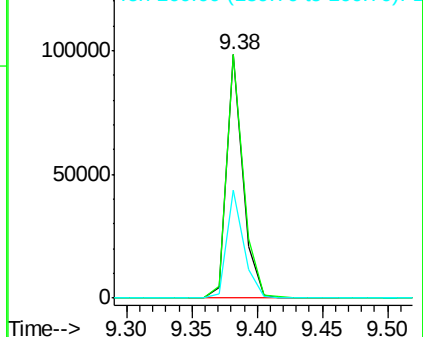


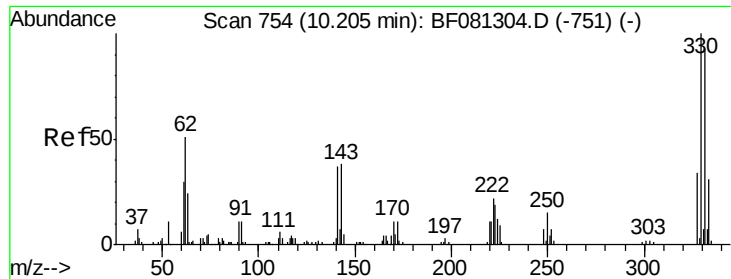
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.38 min Scan# 682
Delta R.T. -0.03 min
Lab File: BF081500.D
Acq: 6 Sep 2015 10:12

Tgt Ion:164 Resp: 85824
Ion Ratio Lower Upper
164 100
162 99.9 75.2 112.8
160 44.4 31.5 47.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

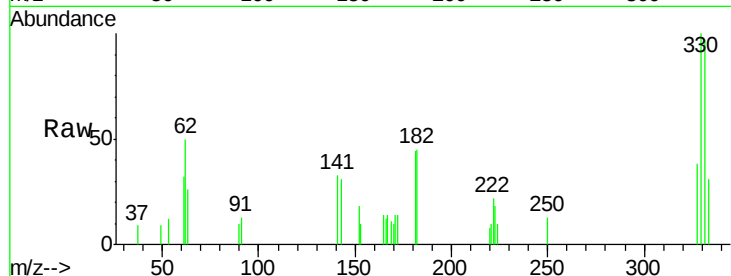




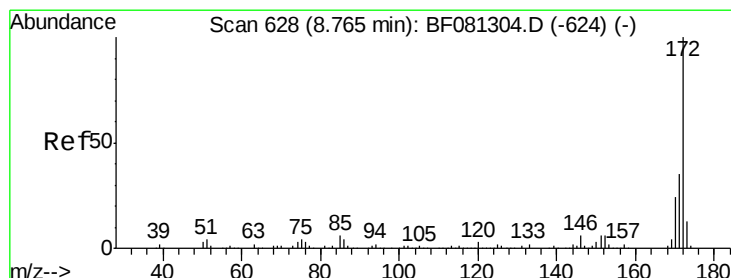
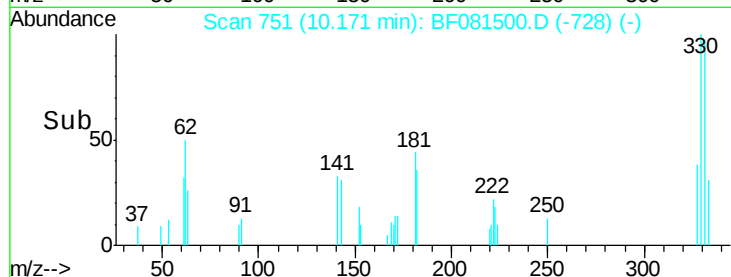
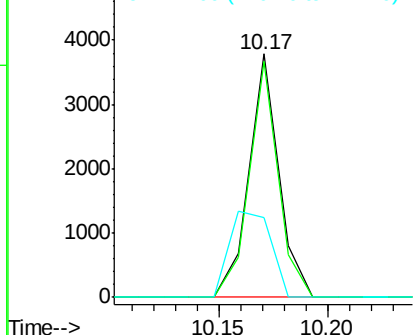
#41
 2,4,6-Tribromophenol
 Concen: 4.73 ng
 RT: 10.17 min Scan# 751
 Delta R.T. -0.03 min
 Lab File: BF081500.D
 Acq: 6 Sep 2015 10:12

Instrument :
 BNA_F
 ClientSampleId :
 MGP206BR-29-31DL

Tot Ion:330 Resp: 3616
 Ion Ratio Lower Upper
 330 100
 332 94.1 76.6 114.8
 141 49.1 29.7 44.5#

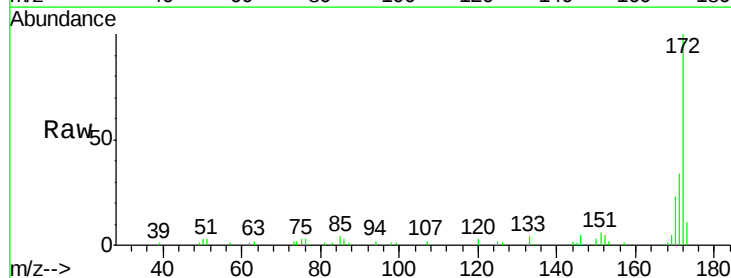


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

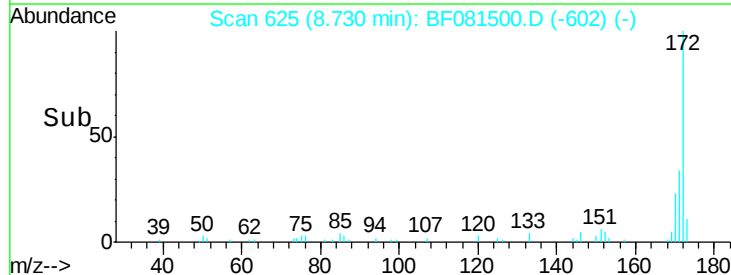
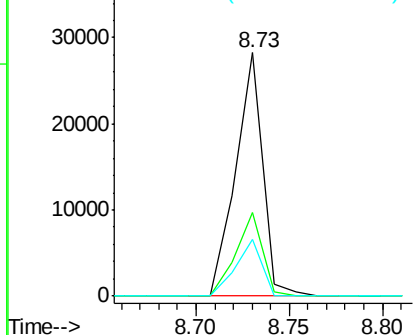


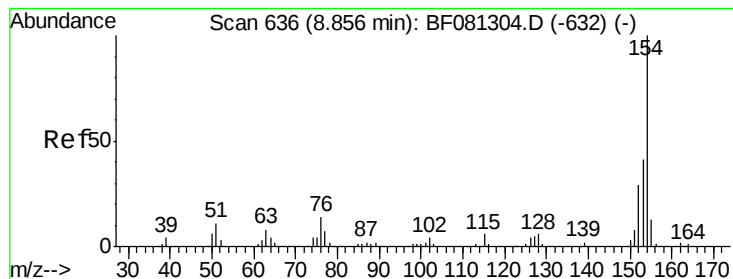
#44
 2-Fluorobiphenyl
 Concen: 4.27 ng
 RT: 8.73 min Scan# 625
 Delta R.T. -0.03 min
 Lab File: BF081500.D
 Acq: 6 Sep 2015 10:12

Tgt Ion:172 Resp: 28574
 Ion Ratio Lower Upper
 172 100
 171 34.2 26.1 39.1
 170 23.4 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

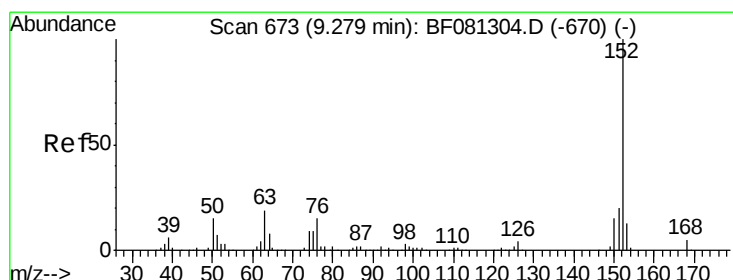
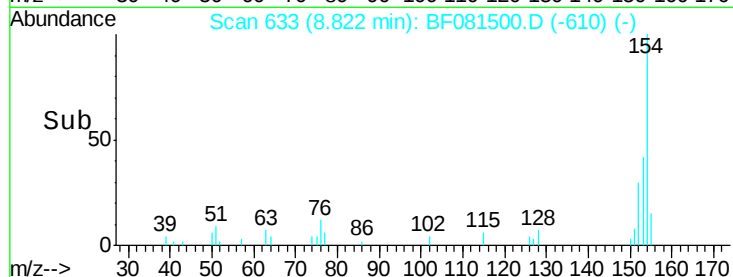
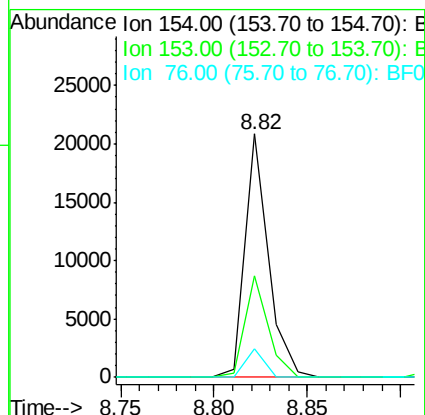
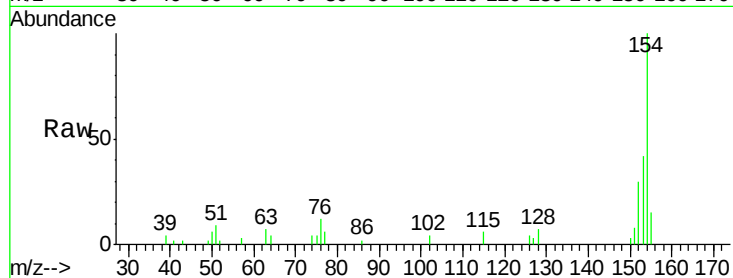




#45
1,1'-Biphenyl
Concen: 2.31 ng
RT: 8.82 min Scan# 633
Delta R.T. -0.03 min
Lab File: BF081500.D
Acq: 6 Sep 2015 10:12

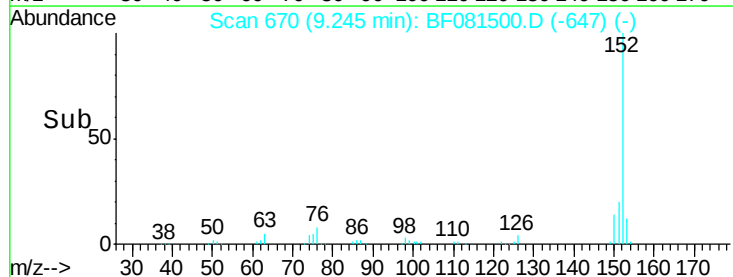
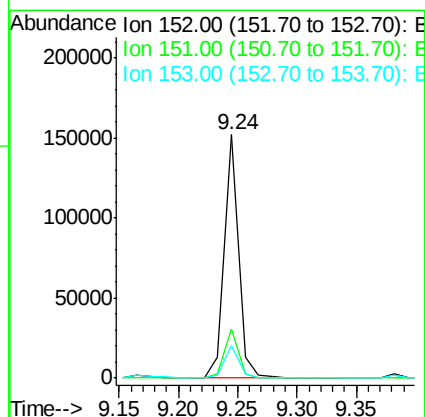
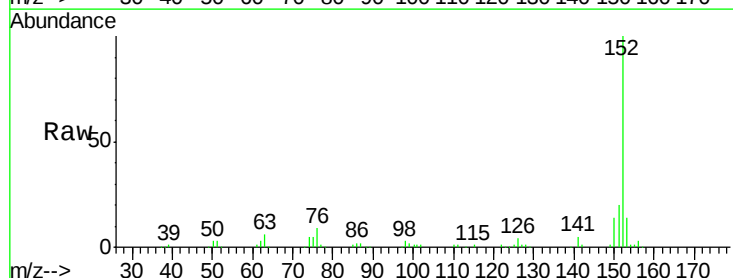
Instrument :
BNA_F
ClientSampleId :
MGP206BR-29-31DL

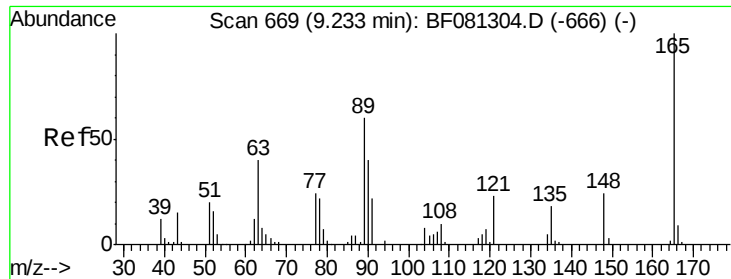
Tot Ion:154 Resp: 18260
Ion Ratio Lower Upper
154 100
153 41.5 17.1 57.1
76 11.9 0.0 31.6



#48
Acenaphthylene
Concen: 12.43 ng
RT: 9.24 min Scan# 670
Delta R.T. -0.03 min
Lab File: BF081500.D
Acq: 6 Sep 2015 10:12

Tgt Ion:152 Resp: 125784
Ion Ratio Lower Upper
152 100
151 20.2 14.6 22.0
153 13.5 10.3 15.5

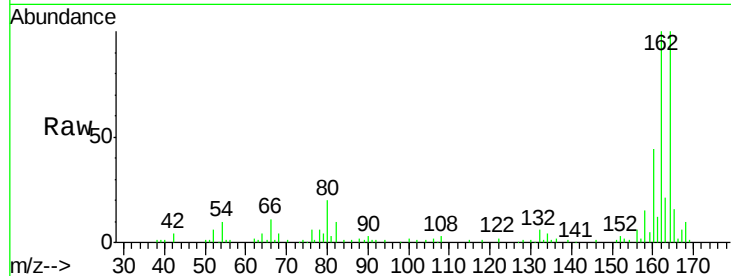




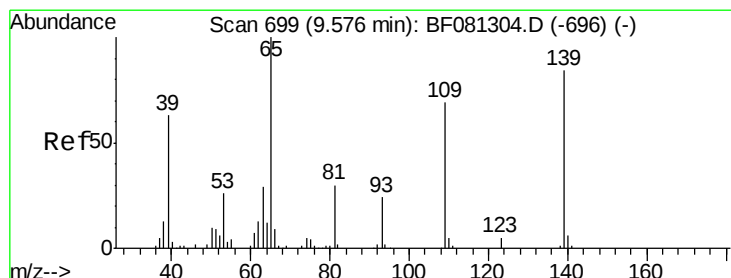
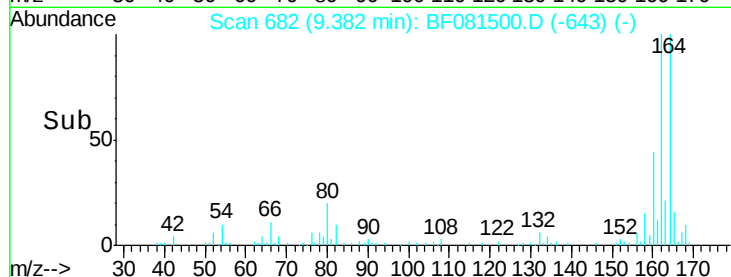
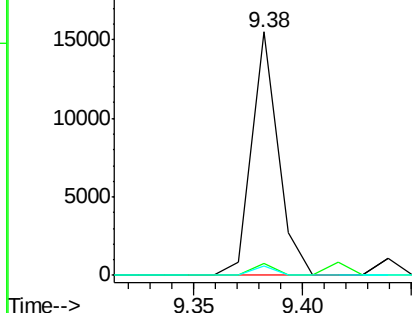
#50
 2,6-Dinitrotoluene
 Concen: 8.65 ng
 RT: 9.38 min Scan# 682
 Delta R.T. 0.15 min
 Lab File: BF081500.D
 Acq: 6 Sep 2015 10:12

Instrument :
 BNA_F
 ClientSampleId :
 MGP206BR-29-31DL

Tot Ion:165 Resp: 13086
 Ion Ratio Lower Upper
 165 100
 63 5.0 32.3 48.5#
 89 3.7 28.6 43.0#

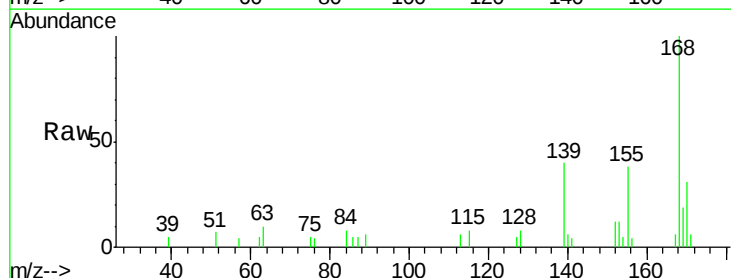


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

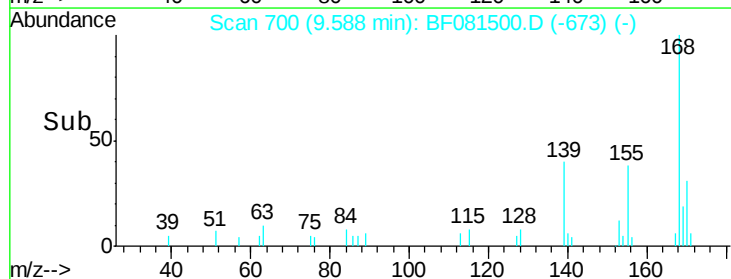
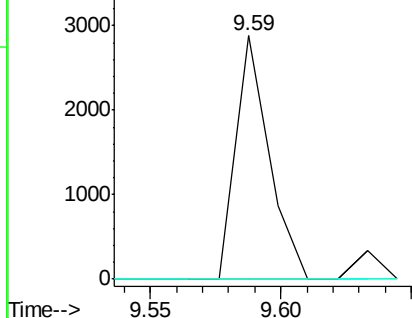


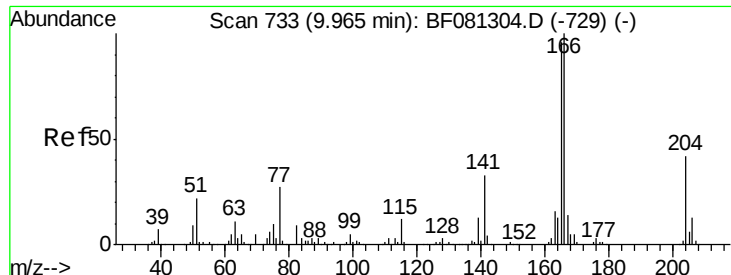
#55
 4-Nitrophenol
 Concen: 2.38 ng
 RT: 9.59 min Scan# 700
 Delta R.T. 0.01 min
 Lab File: BF081500.D
 Acq: 6 Sep 2015 10:12

Tgt Ion:139 Resp: 2579
 Ion Ratio Lower Upper
 139 100
 109 0.0 12.7 52.7#
 65 0.0 45.9 85.9#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF0

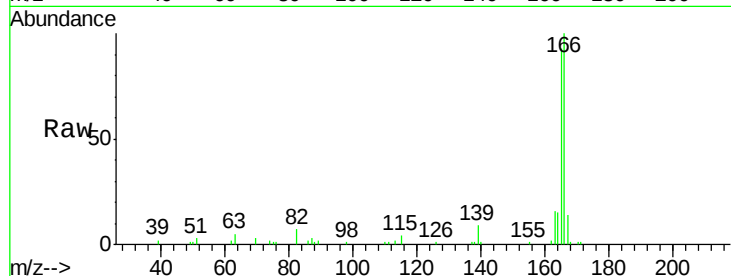




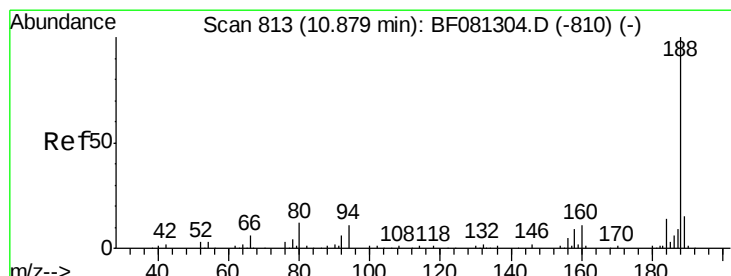
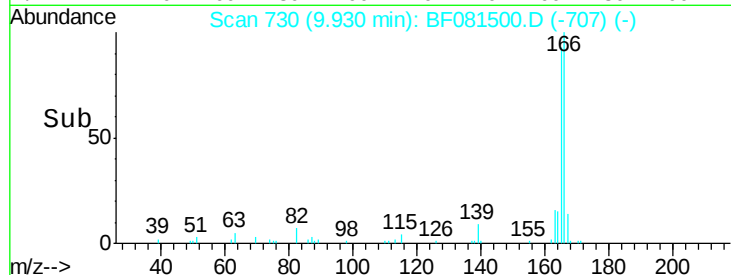
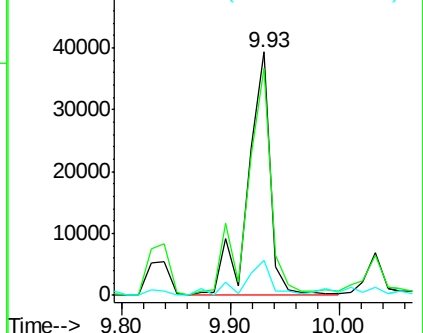
#57
Fluorene
 Concen: 8.84 ng
 RT: 9.93 min Scan# 730
 Delta R.T. -0.03 min
 Lab File: BF081500.D
 Acq: 6 Sep 2015 10:12

Instrument :
 BNA_F
 ClientSampleId :
 MGP206BR-29-31DL

Tot Ion:166 Resp: 56383
 Ion Ratio Lower Upper
 166 100
 165 93.4 72.6 109.0
 167 14.3 10.6 16.0

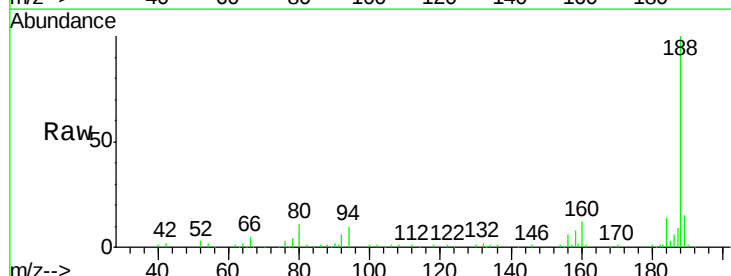


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

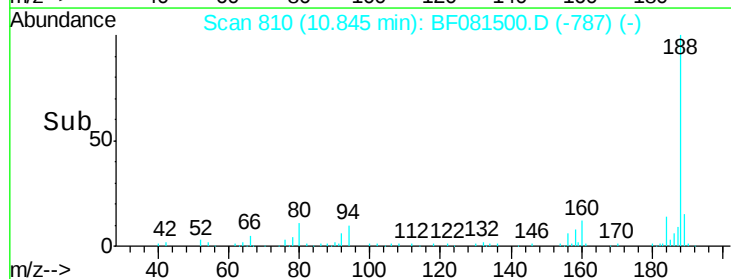
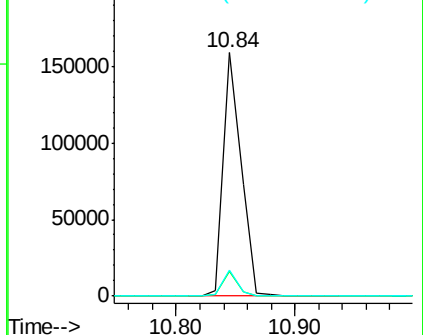


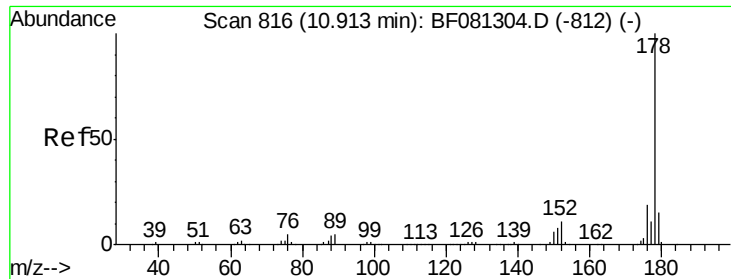
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.84 min Scan# 810
 Delta R.T. -0.03 min
 Lab File: BF081500.D
 Acq: 6 Sep 2015 10:12

Tgt Ion:188 Resp: 164525
 Ion Ratio Lower Upper
 188 100
 94 10.0 11.1 16.7#
 80 10.8 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

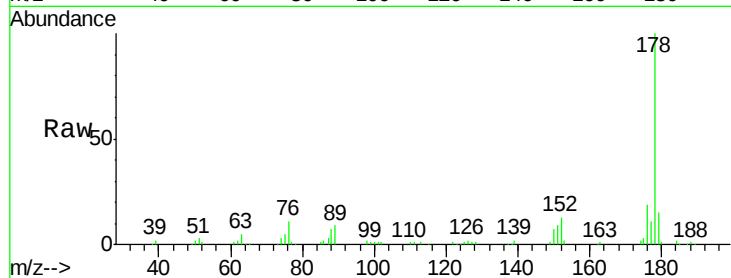




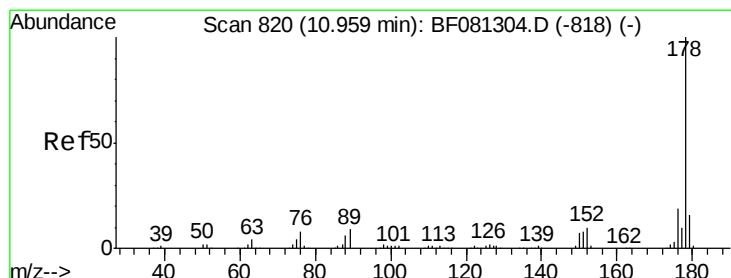
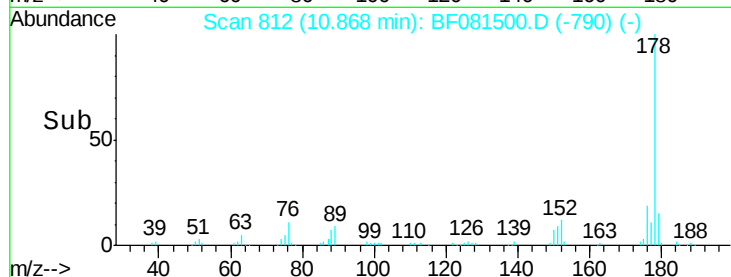
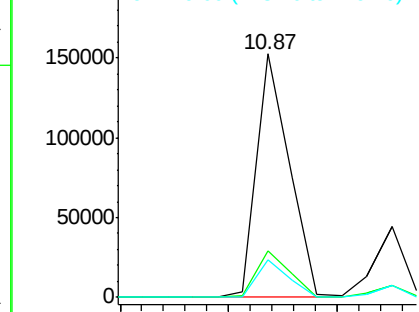
#70
Phenanthrene
Concen: 17.57 ng
RT: 10.87 min Scan# 812
Delta R.T. -0.05 min
Lab File: BF081500.D
Acq: 6 Sep 2015 10:12

Instrument :
BNA_F
ClientSampleId :
MGP206BR-29-31DL

Tot Ion:178 Resp: 160698
Ion Ratio Lower Upper
178 100
176 19.4 13.8 20.8
179 15.2 12.2 18.2

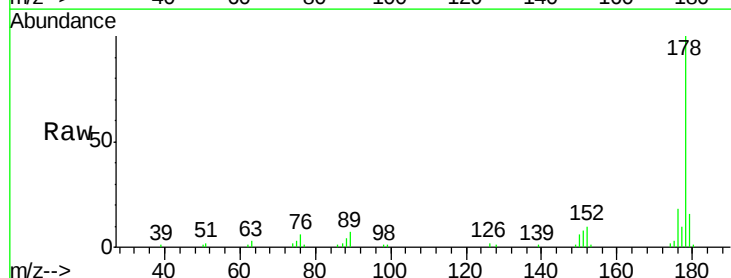


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

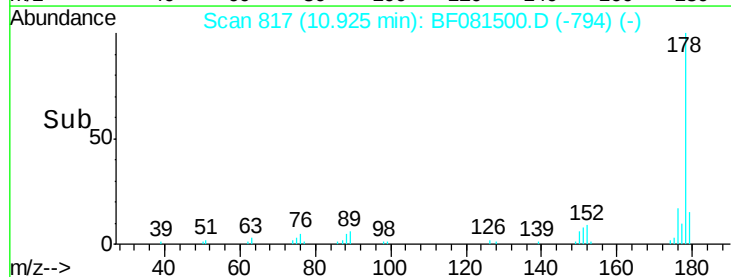
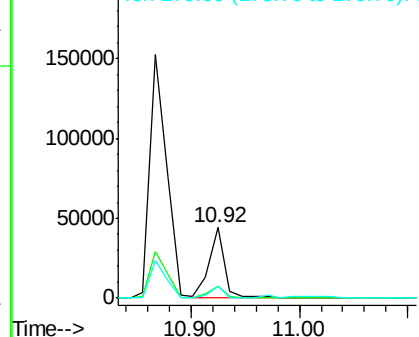


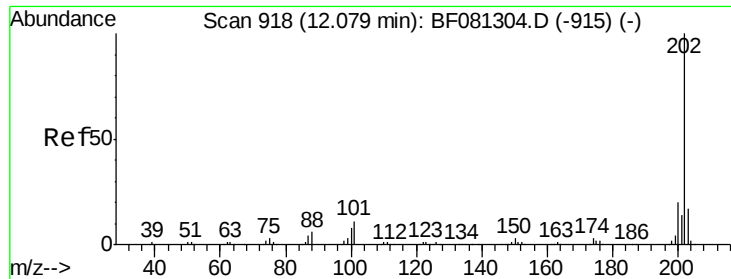
#71
Anthracene
Concen: 4.81 ng
RT: 10.92 min Scan# 817
Delta R.T. -0.03 min
Lab File: BF081500.D
Acq: 6 Sep 2015 10:12

Tgt Ion:178 Resp: 45176
Ion Ratio Lower Upper
178 100
176 17.8 14.1 21.1
179 16.1 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





#74

Fluoranthene

Concen: 4.67 ng

RT: 12.04 min Scan# 915

Delta R.T. -0.03 min

Lab File: BF081500.D

Acq: 6 Sep 2015 10:12

Instrument :

BNA_F

ClientSampleId :

MGP206BR-29-31DL

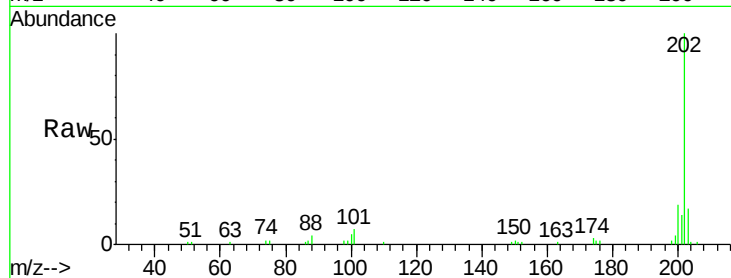
Tot Ion:202 Resp: 46232

Ion Ratio Lower Upper

202 100

101 7.5 0.0 38.3

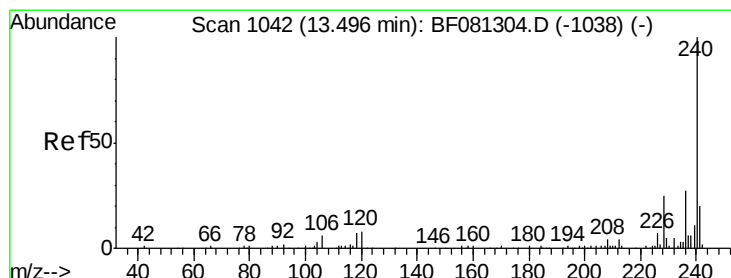
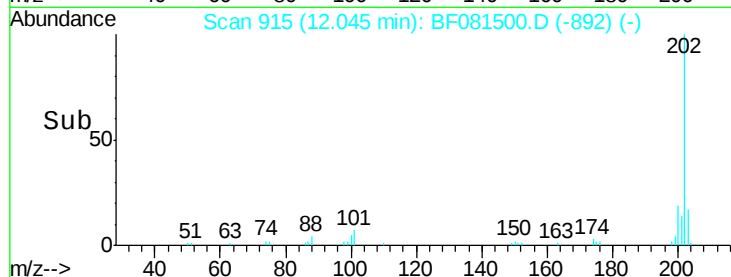
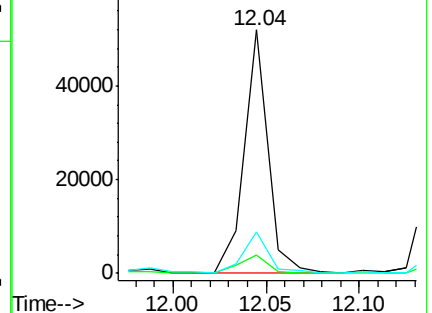
203 17.1 0.0 37.3



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.45 min Scan# 1038

Delta R.T. -0.05 min

Lab File: BF081500.D

Acq: 6 Sep 2015 10:12

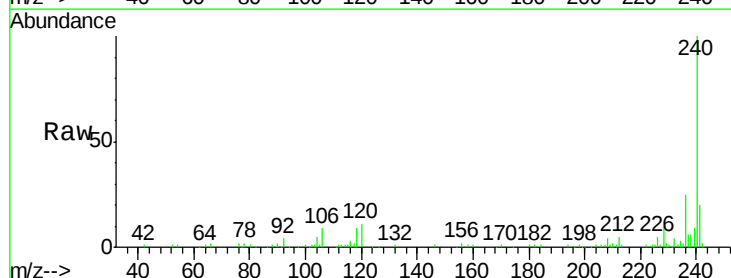
Tgt Ion:240 Resp: 113422

Ion Ratio Lower Upper

240 100

120 11.4 16.2 24.2#

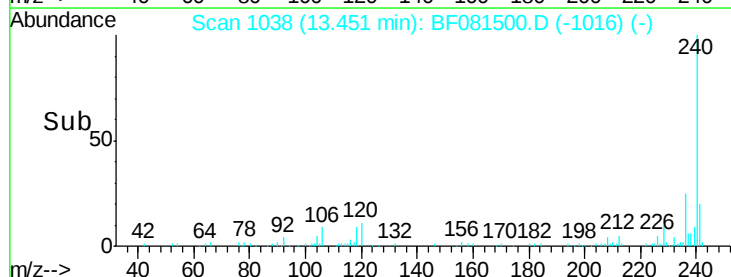
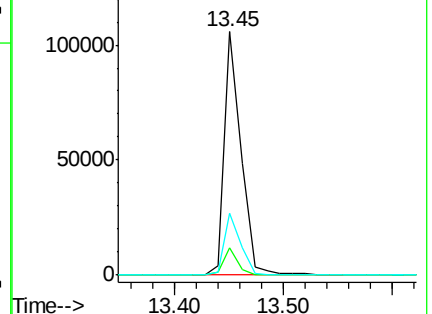
236 25.4 18.4 27.6

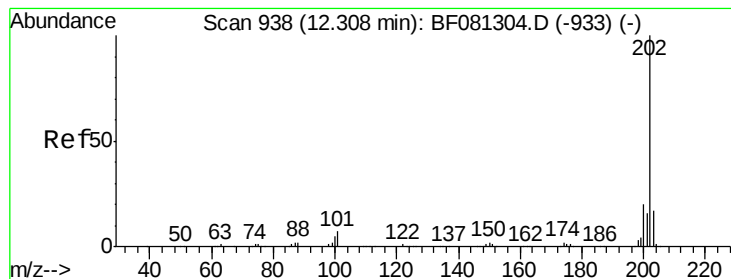


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 8.21 ng

RT: 12.26 min Scan# 934

Delta R.T. -0.05 min

Lab File: BF081500.D

Acq: 6 Sep 2015 10:12

Instrument :

BNA_F

ClientSampleId :

MGP206BR-29-31DL

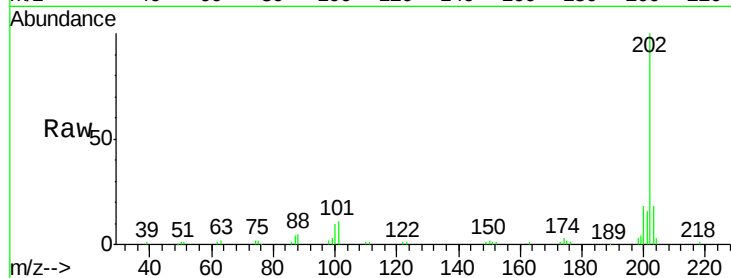
Tot Ion:202 Resp: 68959

Ion Ratio Lower Upper

202 100

200 18.3 15.0 22.4

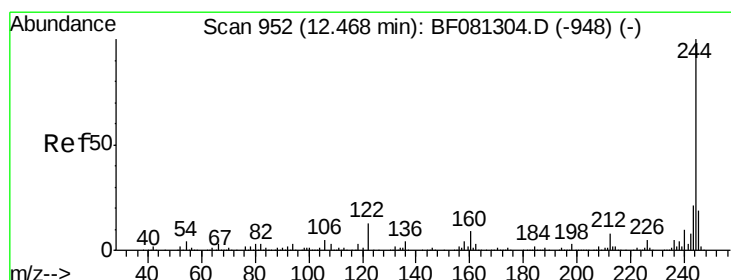
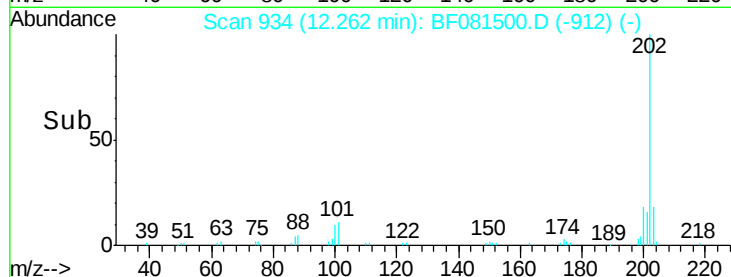
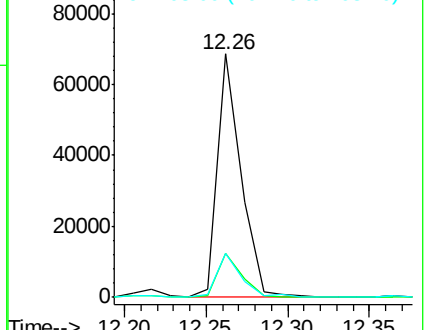
203 18.2 14.1 21.1



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: 4.46 ng

RT: 12.43 min Scan# 949

Delta R.T. -0.03 min

Lab File: BF081500.D

Acq: 6 Sep 2015 10:12

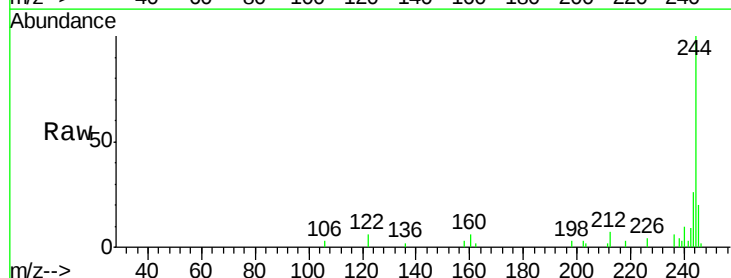
Tgt Ion:244 Resp: 21721

Ion Ratio Lower Upper

244 100

212 7.0 4.3 6.5#

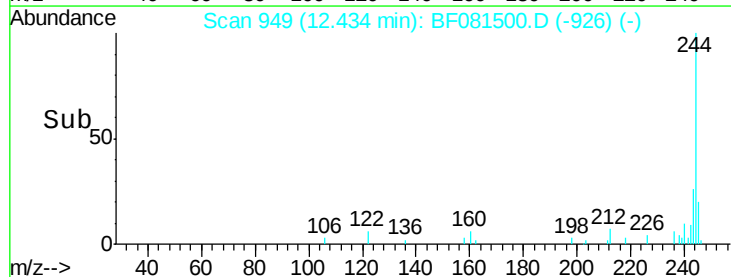
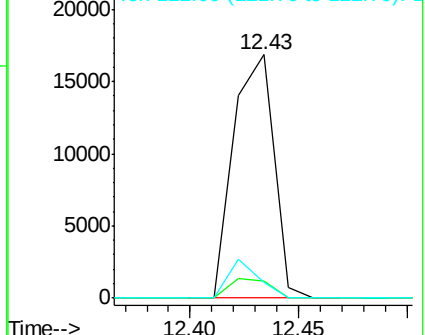
122 6.3 17.4 26.2#

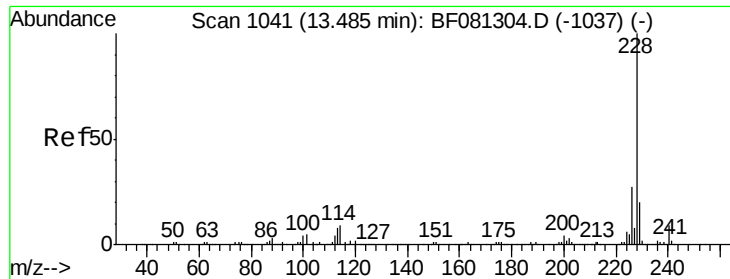


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.25 ng

RT: 13.44 min Scan# 1037

Delta R.T. -0.05 min

Lab File: BF081500.D

Acq: 6 Sep 2015 10:12

Instrument :

BNA_F

ClientSampleId :

MGP206BR-29-31DL

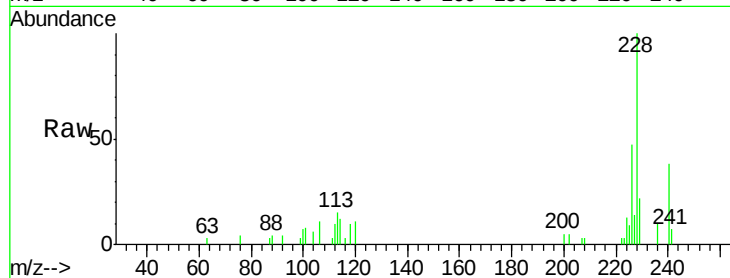
Tot Ion:228 Resp: 16238

Ion Ratio Lower Upper

228 100

226 47.0 20.0 30.0#

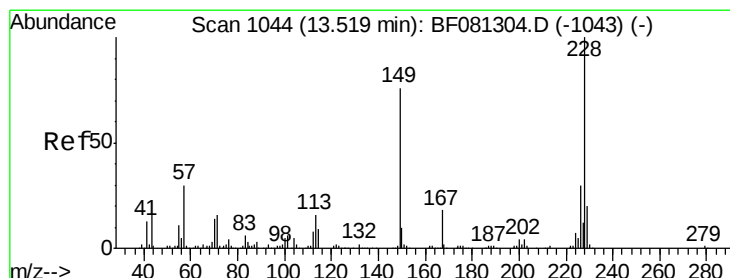
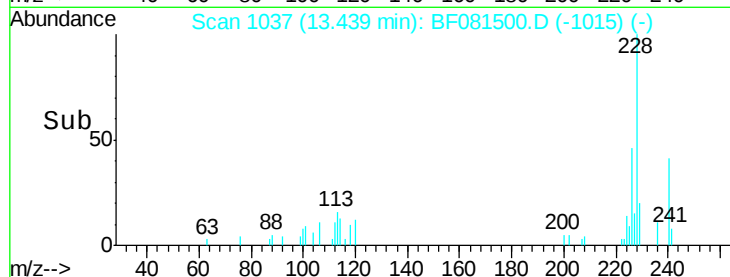
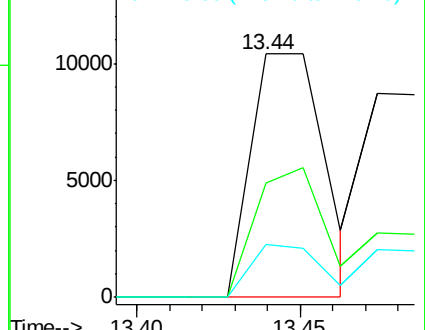
229 21.7 15.4 23.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 2.51 ng

RT: 13.44 min Scan# 1037

Delta R.T. -0.08 min

Lab File: BF081500.D

Acq: 6 Sep 2015 10:12

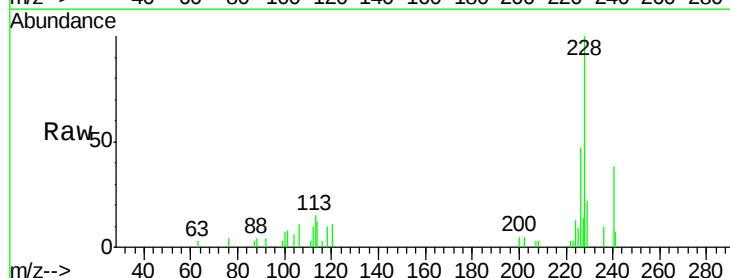
Tgt Ion:228 Resp: 16238

Ion Ratio Lower Upper

228 100

226 47.0 21.0 31.4#

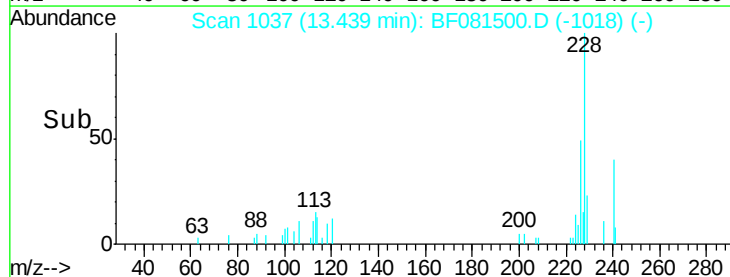
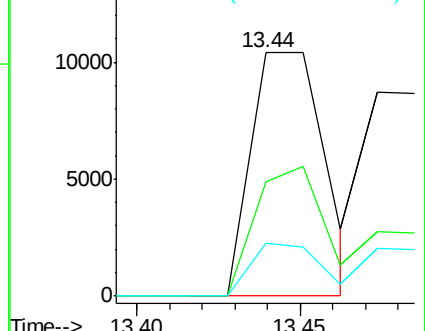
229 21.7 15.6 23.4

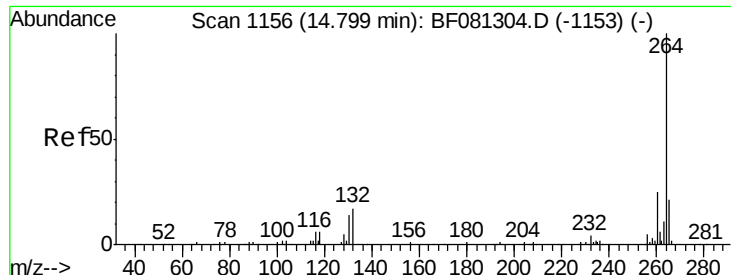


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

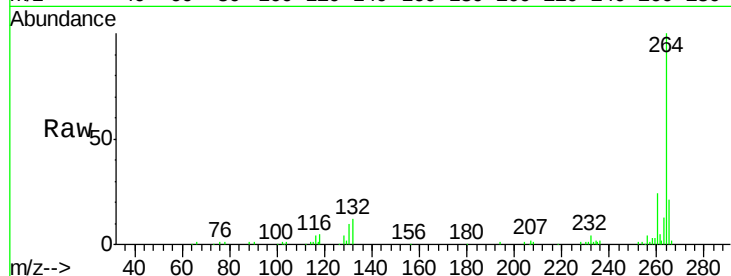




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 14.77 min Scan# 1153
 Delta R.T. -0.03 min
 Lab File: BF081500.D
 Acq: 6 Sep 2015 10:12

Instrument :
 BNA_F
 ClientSampleId :
 MGP206BR-29-31DL

Tot Ion: 264 Resp: 84796
 Ion Ratio Lower Upper
 264 100
 260 23.7 16.7 25.1
 265 21.1 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

