

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111715\
 Data File : BF083004.D
 Acq On : 18 Nov 2015 9:49
 Operator : UM/IZ
 Sample : G4443-04
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20151110MGP206BRV40

Quant Time: Nov 18 15:41:51 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 18 13:32:32 2015
 Response via : Initial Calibration

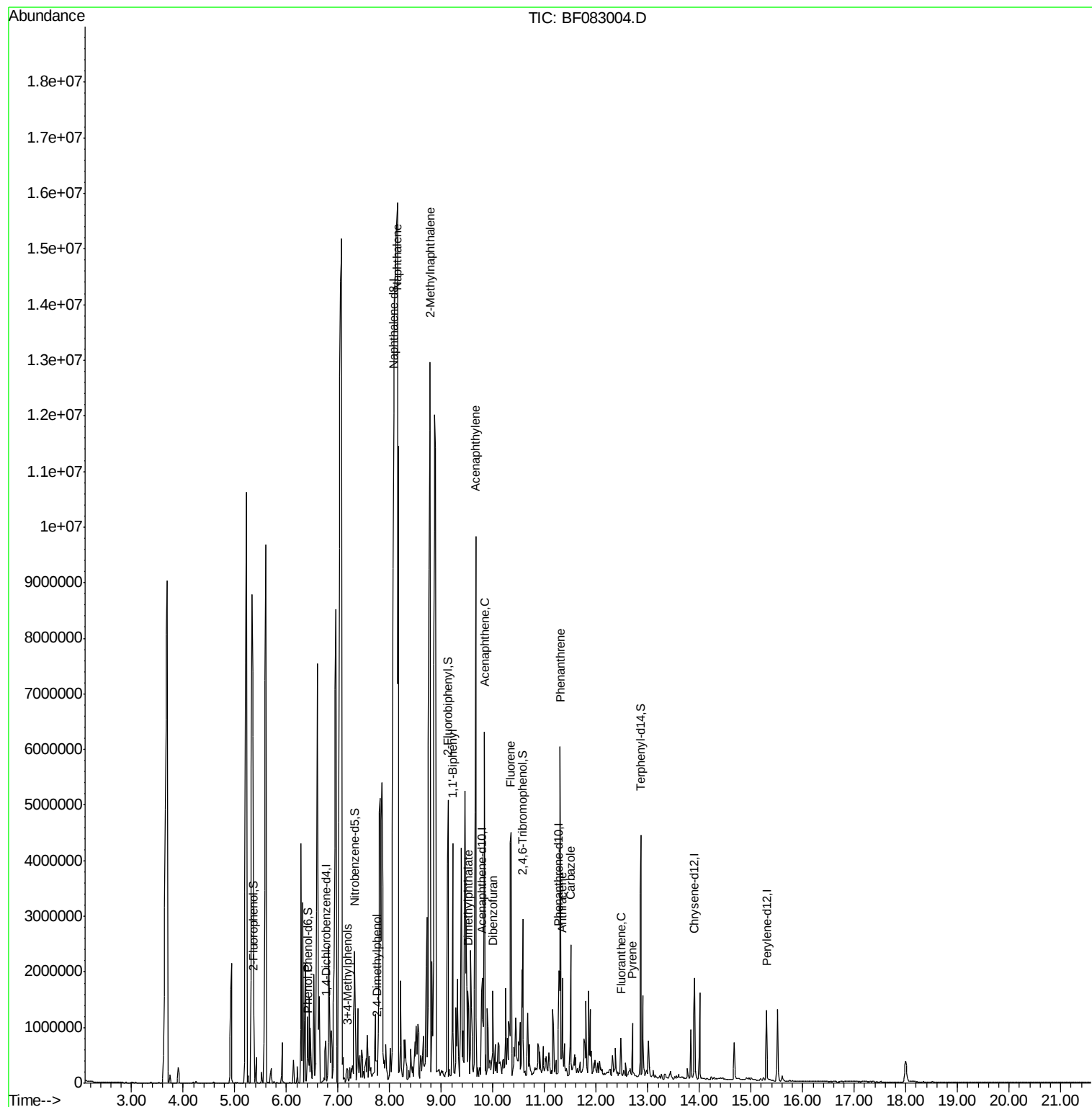
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	160467	20.00	ng	0.02
21) Naphthalene-d8	8.08	136	338328	20.00	ng	0.06
38) Acenaphthene-d10	9.79	164	406730	20.00	ng	0.01
63) Phenanthrene-d10	11.28	188	800100	20.00	ng	0.02
75) Chrysene-d12	13.91	240	726380	20.00	ng	0.01
86) Perylene-d12	15.30	264	543673	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	377490	36.60	ng	0.03
7) Phenol-d6	6.41	99	402411	29.35	ng	0.01
23) Nitrobenzene-d5	7.32	82	984043	126.56	ng	0.01
41) 2,4,6-Tribromophenol	10.58	330	269993	57.89	ng	0.01
44) 2-Fluorobiphenyl	9.13	172	2222159	78.30	ng	0.02
78) Terphenyl-d14	12.87	244	1852039	60.47	ng	0.02
Target Compounds						Qvalue
10) Phenol	6.42	94	126923	8.16	ng	80
20) 3+4-Methylphenols	7.18	107	37665	2.99	ng	# 61
27) 2,4-Dimethylphenol	7.74	122	48729	8.17	ng	89
31) Naphthalene	8.14	128	29766285	1594.62	ng	# 79
37) 2-Methylnaphthalene	8.78	142	7299351	604.48	ng	98
45) 1,1'-Biphenyl	9.22	154	1339719	38.39	ng	96
48) Acenaphthylene	9.66	152	4594197	107.68	ng	# 92
49) Dimethylphthalate	9.52	163	109362	3.28	ng	98
51) Acenaphthene	9.84	154	1810983	66.97	ng	99
54) Dibenzofuran	10.00	168	452829	12.42	ng	# 87
57) Fluorene	10.35	166	2263504	76.66	ng	99
70) Phenanthrene	11.30	178	2607447	56.12	ng	99
71) Anthracene	11.34	178	636932	13.01	ng	97
72) Carbazole	11.50	167	843073	19.68	ng	97
74) Fluoranthene	12.48	202	249317	5.00	ng	98
77) Pyrene	12.71	202	363303	7.28	ng	97

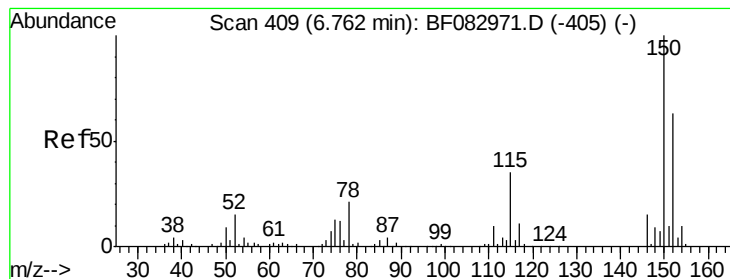
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. 0.02 min

Lab File: BF083004.D

Acq: 18 Nov 2015 9:49

Instrument :

BNA_F

ClientSampleId :

20151110MGP206BRV40

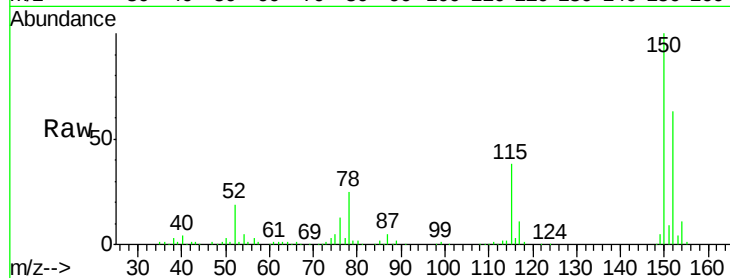
Tgt Ion:152 Resp: 160467

Ion Ratio Lower Upper

152 100

150 157.8 127.0 190.4

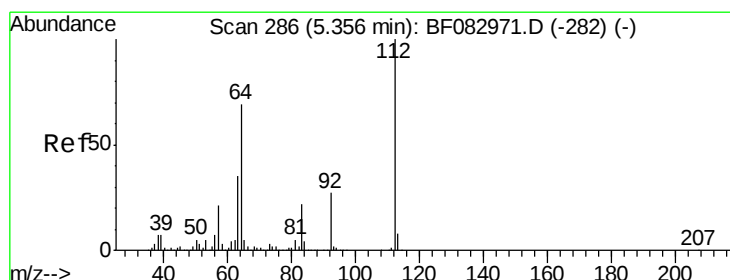
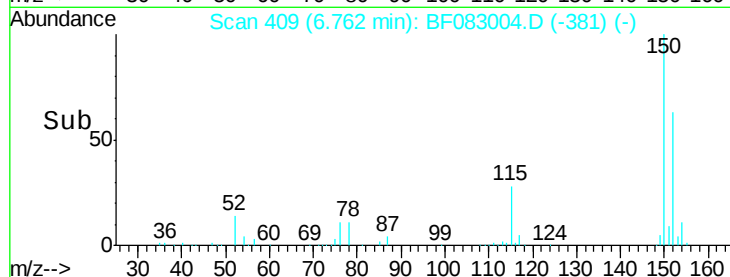
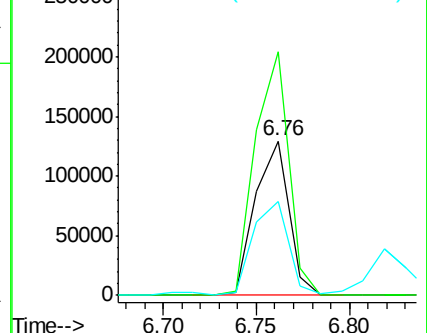
115 60.4 47.0 70.6



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: 36.60 ng

RT: 5.37 min Scan# 287

Delta R.T. 0.03 min

Lab File: BF083004.D

Acq: 18 Nov 2015 9:49

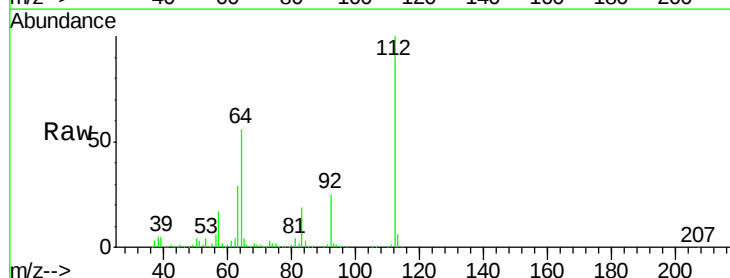
Tgt Ion:112 Resp: 377490

Ion Ratio Lower Upper

112 100

64 56.2 48.9 73.3

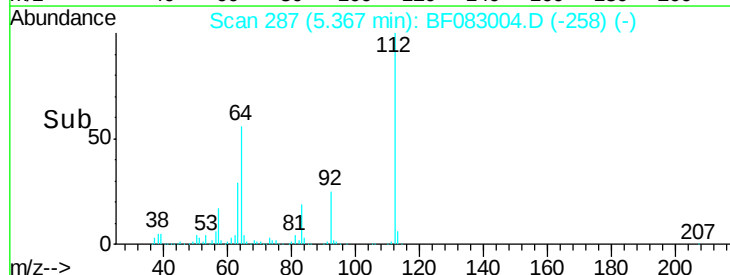
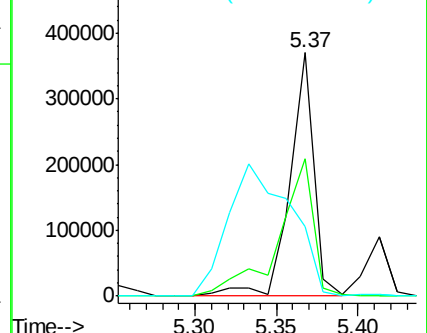
63 28.7 28.1 42.1



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: 29.35 ng

RT: 6.41 min Scan# 378

Delta R.T. 0.01 min

Lab File: BF083004.D

Acq: 18 Nov 2015 9:49

Instrument :

BNA_F

ClientSampleId :

20151110MGP206BRV40

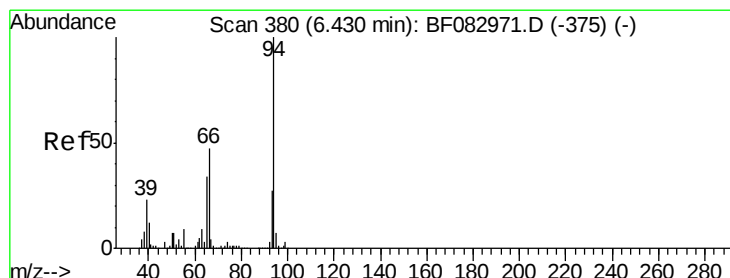
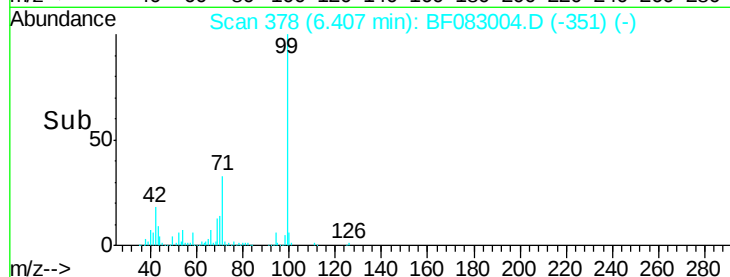
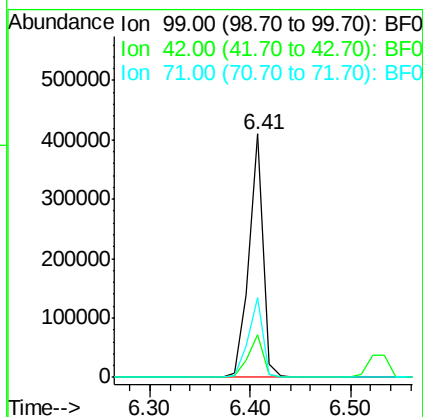
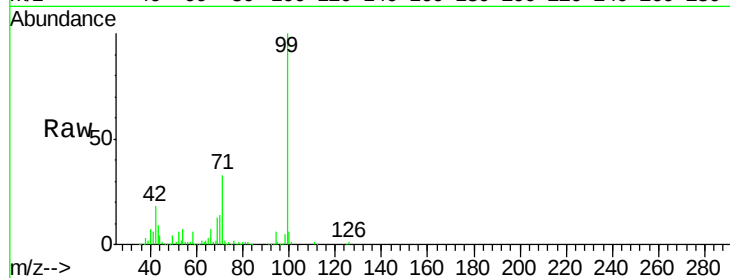
Tgt Ion: 99 Resp: 402411

Ion Ratio Lower Upper

99 100

42 17.8 19.2 28.8#

71 32.8 35.0 52.4#



#10

Phenol

Concen: 8.16 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.01 min

Lab File: BF083004.D

Acq: 18 Nov 2015 9:49

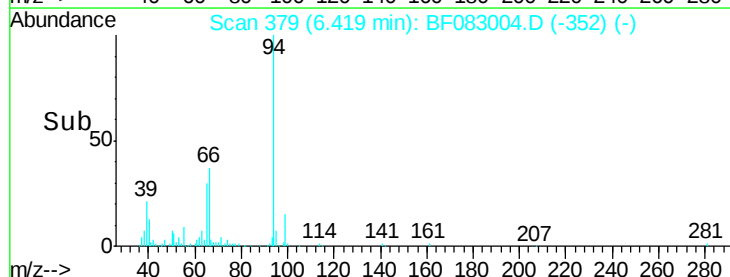
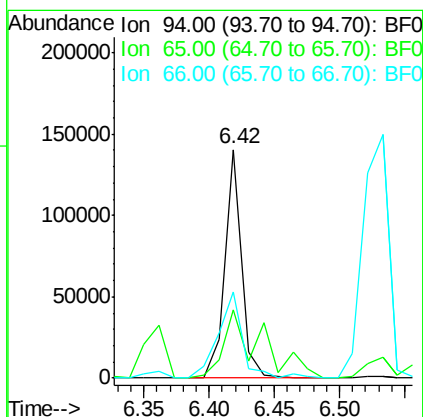
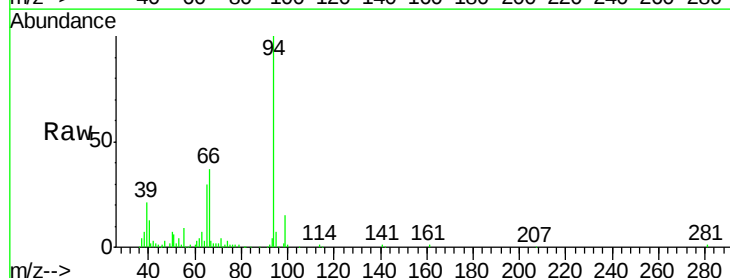
Tgt Ion: 94 Resp: 126923

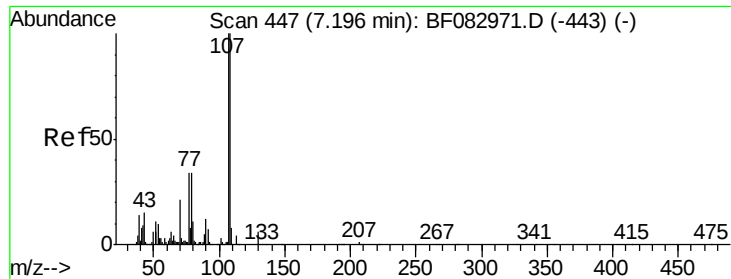
Ion Ratio Lower Upper

94 100

65 29.7 18.9 58.9

66 37.4 34.9 74.9

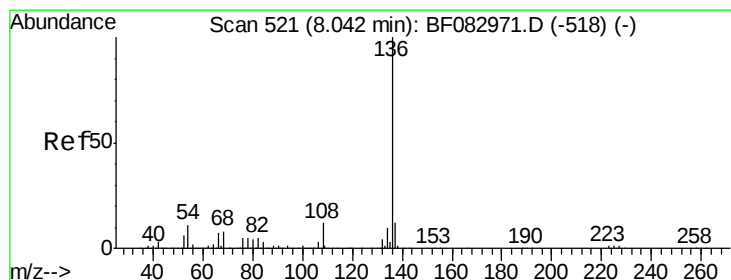
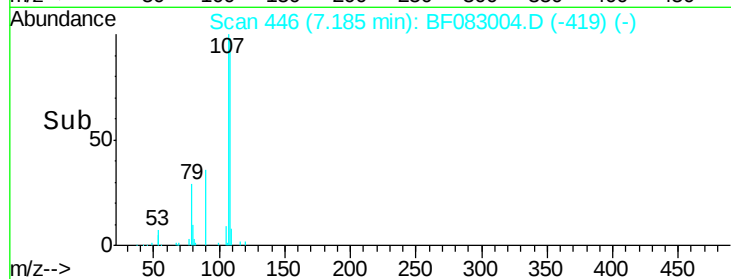
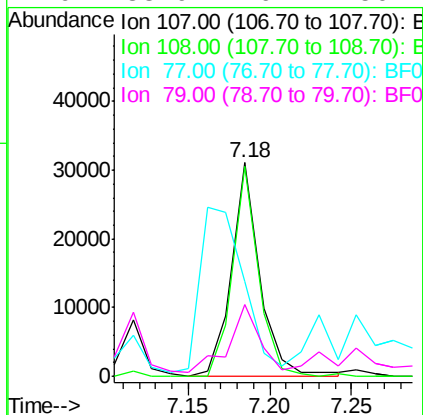
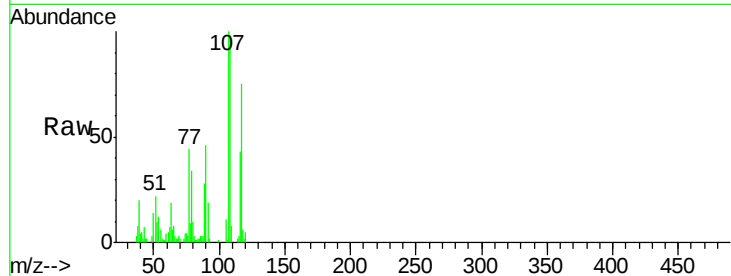




#20
3+4-Methylphenols
Concen: 2.99 ng
RT: 7.18 min Scan# 446
Delta R.T. 0.01 min
Lab File: BF083004.D
Acq: 18 Nov 2015 9:49

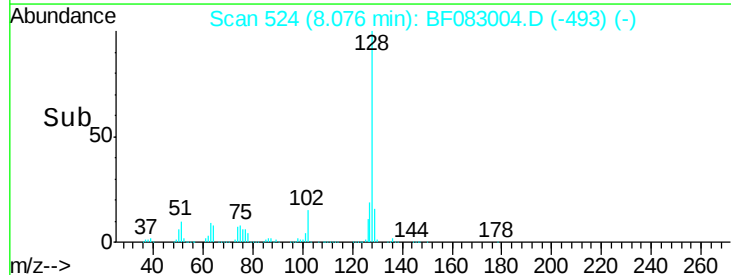
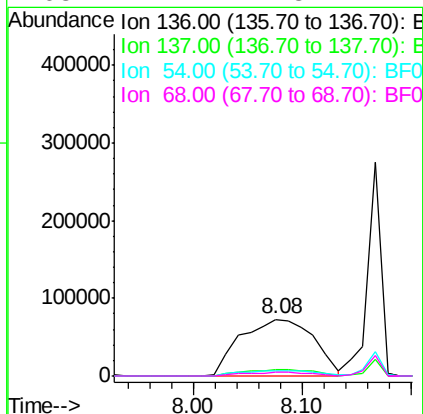
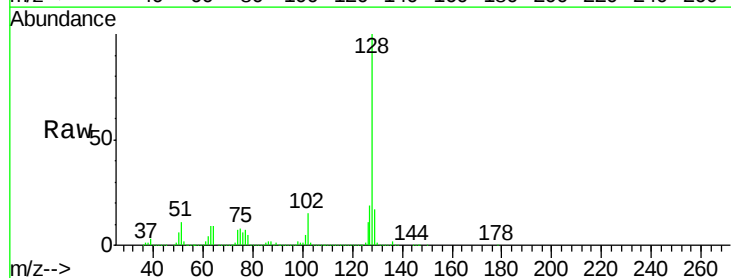
Instrument :
BNA_F
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20151110MGP206BRV40

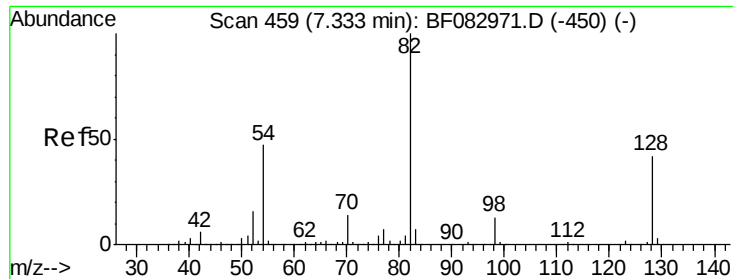
Tgt Ion:	107	Resp:	37665
Ion	Ratio	Lower	Upper
107	100		
108	98.4	67.3	107.3
77	44.3	100.3	140.3#
79	33.9	16.2	56.2



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 524
Delta R.T. 0.06 min
Lab File: BF083004.D
Acq: 18 Nov 2015 9:49

Tgt Ion:	136	Resp:	338328
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	9.2	9.1	13.7
68	7.2	4.8	7.2

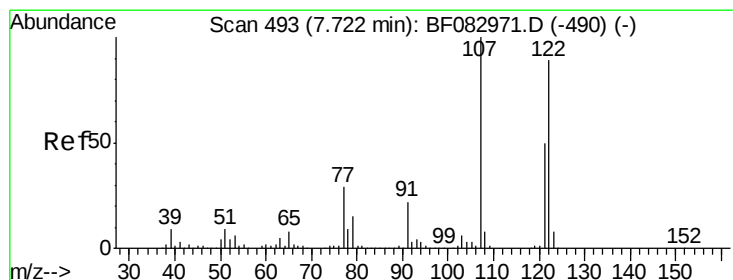
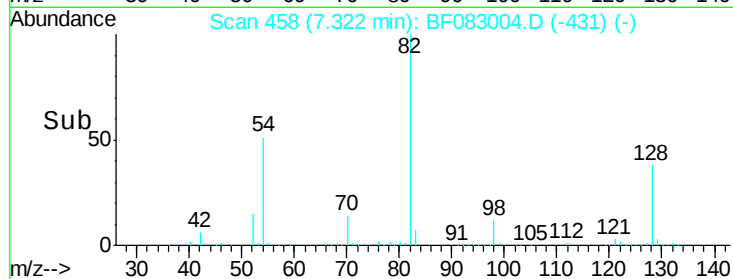
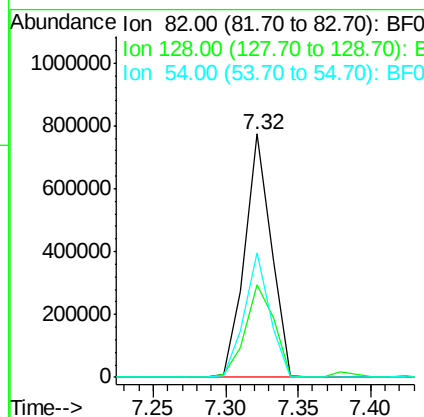
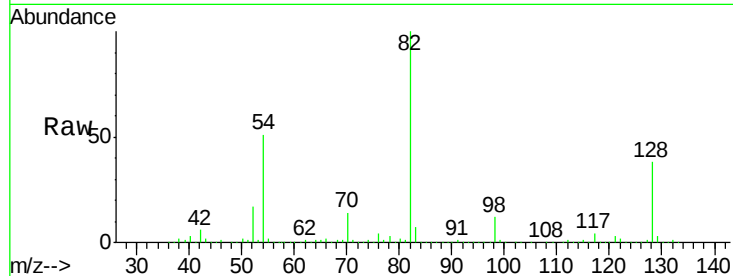




#23
 Nitrobenzene-d5
 Concen: 126.56 ng
 RT: 7.32 min Scan# 458
 Delta R.T. 0.01 min
 Lab File: BF083004.D
 Acq: 18 Nov 2015 9:49

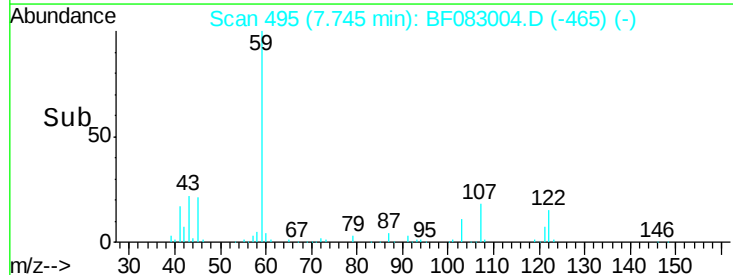
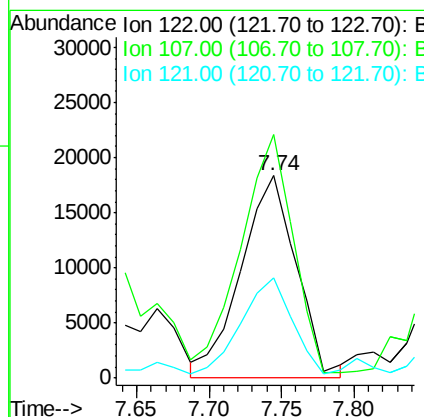
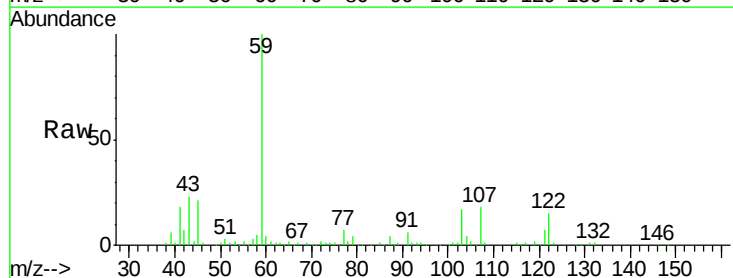
Instrument :
 BNA_F
 ClientSampleId :
 20151110MGP206BRV40

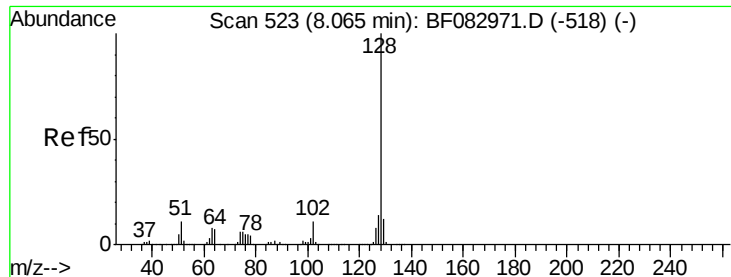
Tgt Ion: 82 Resp: 984043
 Ion Ratio Lower Upper
 82 100
 128 38.0 26.8 40.2
 54 51.4 45.7 68.5



#27
 2,4-Dimethylphenol
 Concen: 8.17 ng
 RT: 7.74 min Scan# 495
 Delta R.T. 0.05 min
 Lab File: BF083004.D
 Acq: 18 Nov 2015 9:49

Tgt Ion: 122 Resp: 48729
 Ion Ratio Lower Upper
 122 100
 107 120.5 106.0 159.0
 121 49.4 46.7 70.1

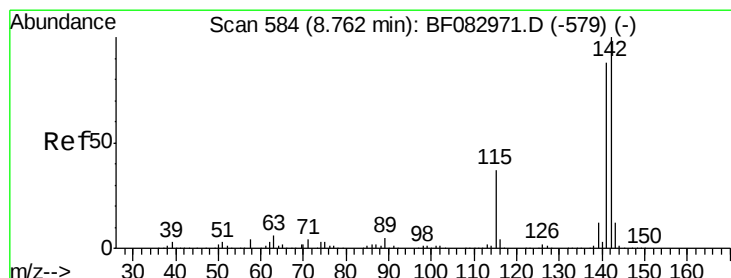
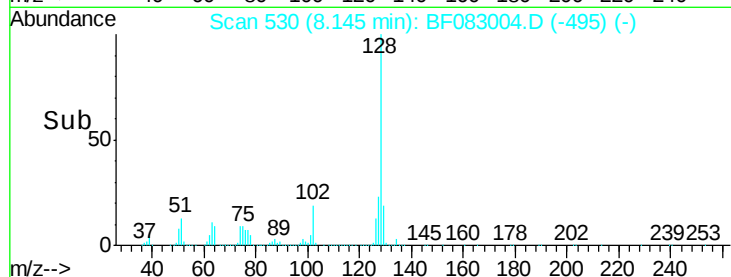
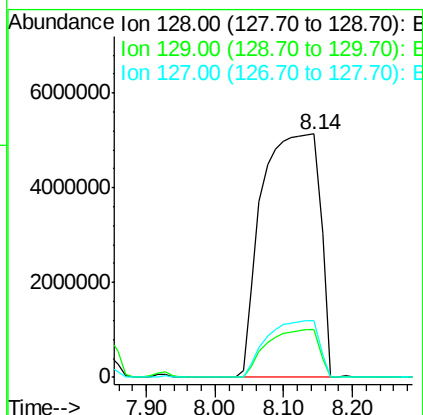
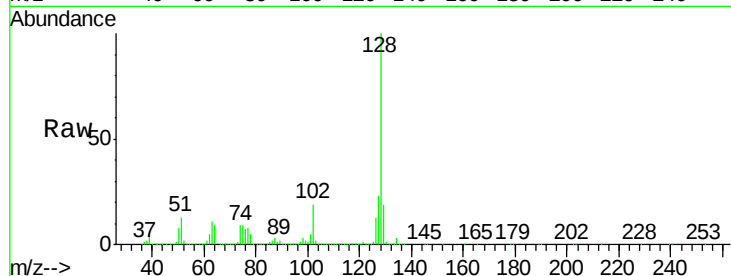




#31
Naphthalene
Concen: 1594.62 ng
RT: 8.14 min Scan# 530
Delta R.T. 0.10 min
Lab File: BF083004.D
Acq: 18 Nov 2015 9:49

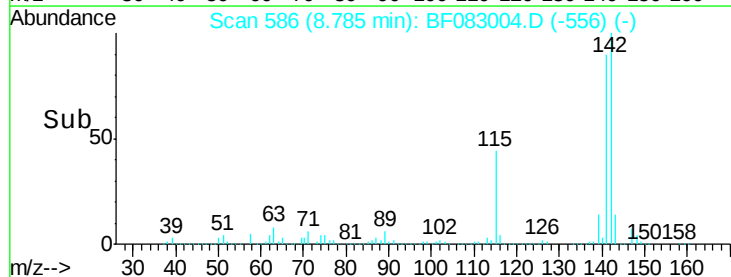
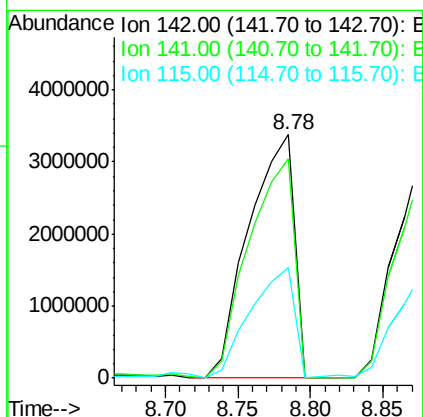
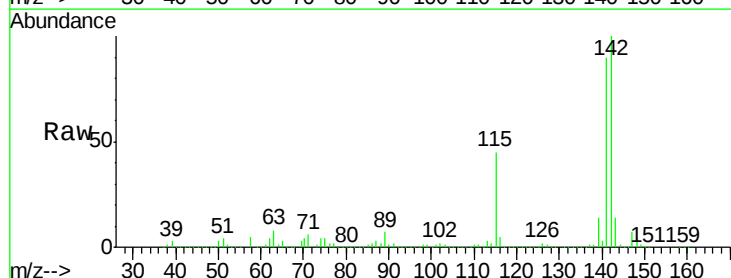
Instrument :
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20151110MGP206BRV40

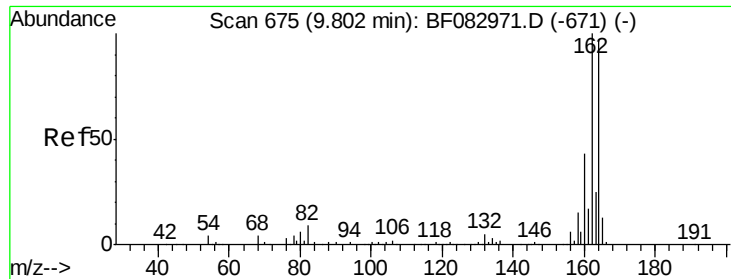
Tgt Ion:128 Resp:29766285
Ion Ratio Lower Upper
128 100
129 19.5 9.5 14.3#
127 23.2 11.4 17.0#



#37
2-Methylnaphthalene
Concen: 604.48 ng
RT: 8.78 min Scan# 586
Delta R.T. 0.05 min
Lab File: BF083004.D
Acq: 18 Nov 2015 9:49

Tgt Ion:142 Resp: 7299351
Ion Ratio Lower Upper
142 100
141 90.0 72.3 108.5
115 45.2 38.1 57.1





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.79 min Scan# 674

Delta R.T. 0.01 min

Lab File: BF083004.D

Acq: 18 Nov 2015 9:49

Instrument :

BNA_F

ClientSampleId :

20151110MGP206BRV40

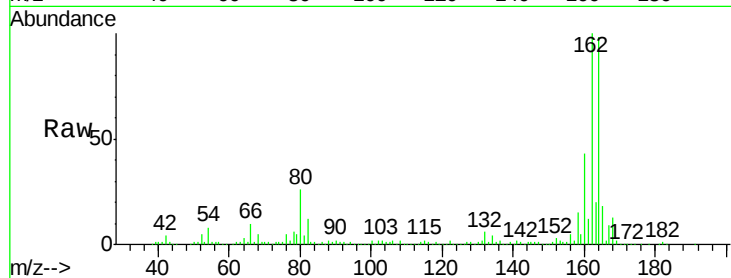
Tgt Ion:164 Resp: 406730

Ion Ratio Lower Upper

164 100

162 102.3 84.9 127.3

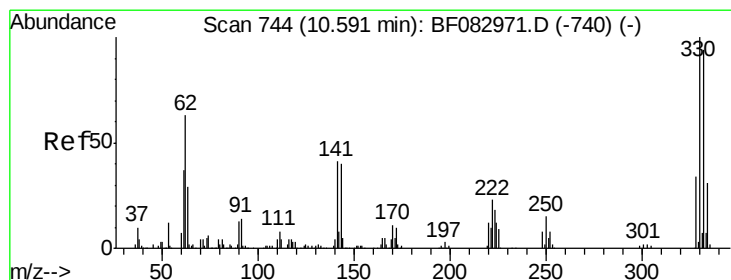
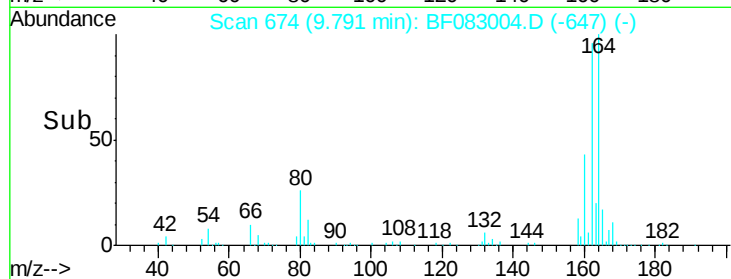
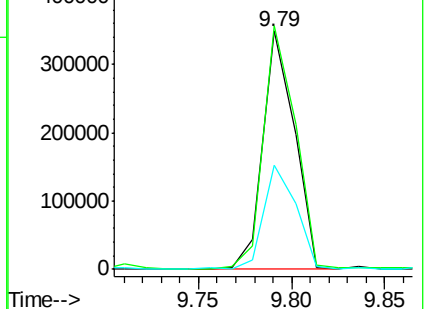
160 44.0 37.5 56.3



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: 57.89 ng

RT: 10.58 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF083004.D

Acq: 18 Nov 2015 9:49

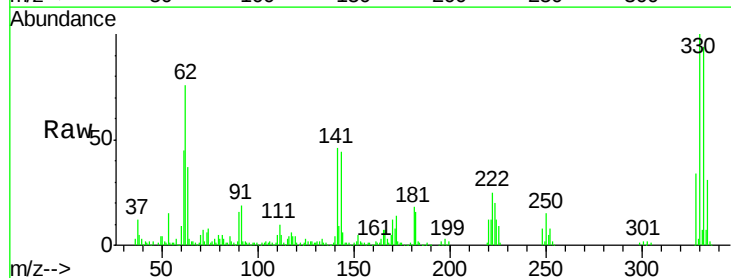
Tgt Ion:330 Resp: 269993

Ion Ratio Lower Upper

330 100

332 96.8 76.6 114.8

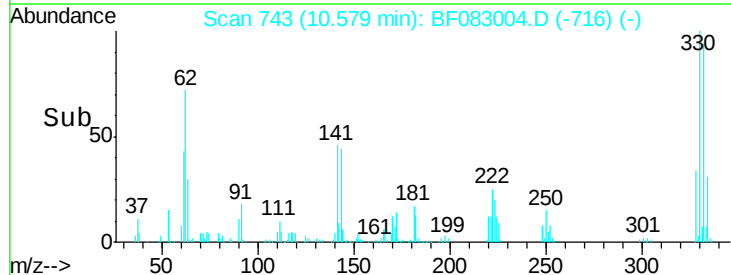
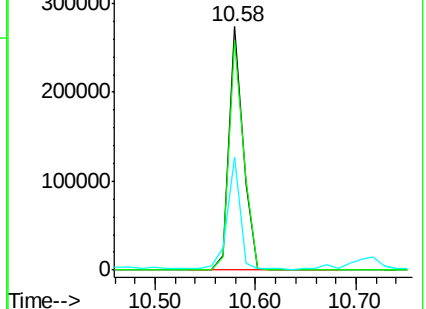
141 41.9 41.2 61.8

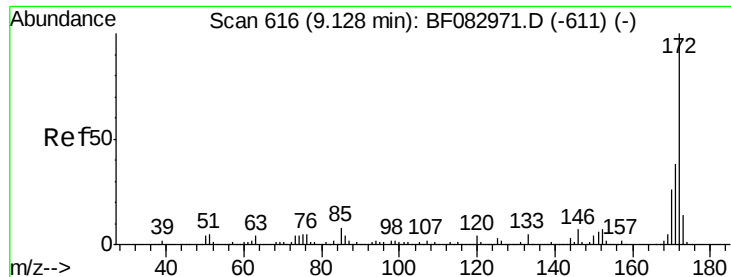


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

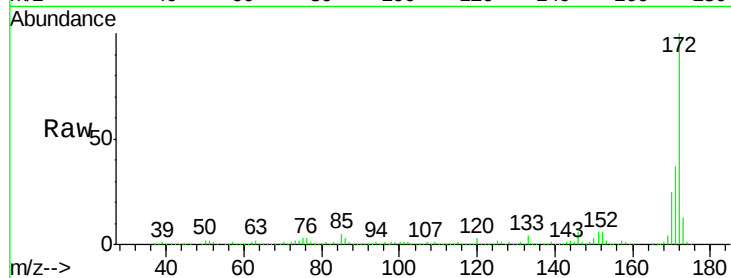




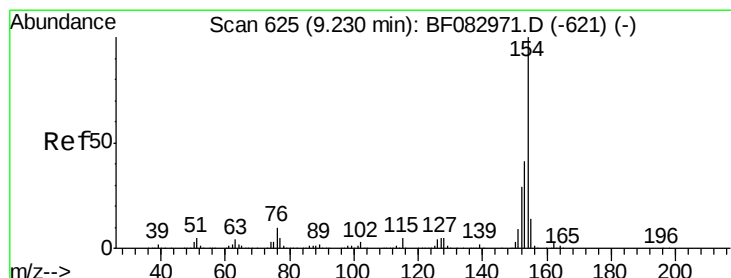
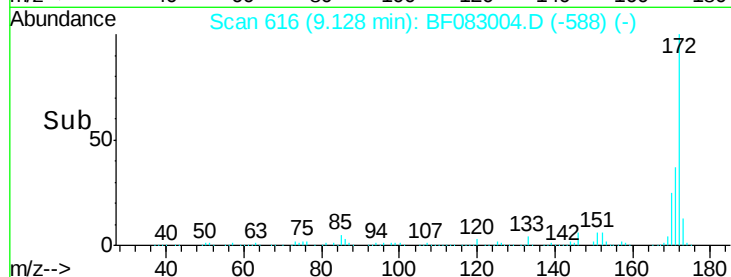
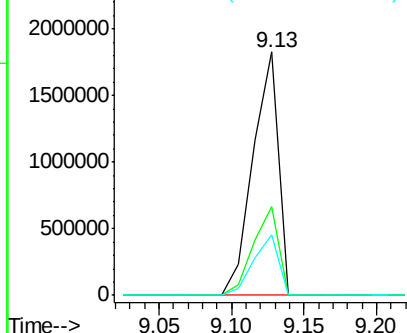
#44
 2-Fluorobiphenyl
 Concen: 78.30 ng
 RT: 9.13 min Scan# 616
 Delta R.T. 0.02 min
 Lab File: BF083004.D
 Acq: 18 Nov 2015 9:49

Instrument :
 BNA_F
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 20151110MGP206BRV40

Tgt Ion:172 Resp: 2222159
 Ion Ratio Lower Upper
 172 100
 171 36.7 30.8 46.2
 170 24.9 21.2 31.8

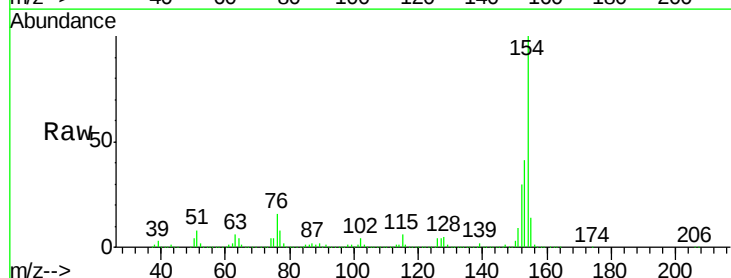


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

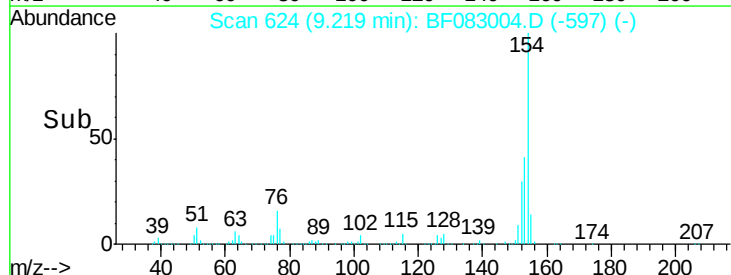
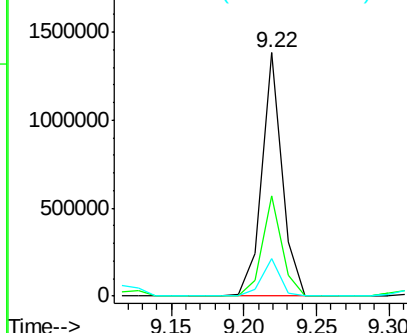


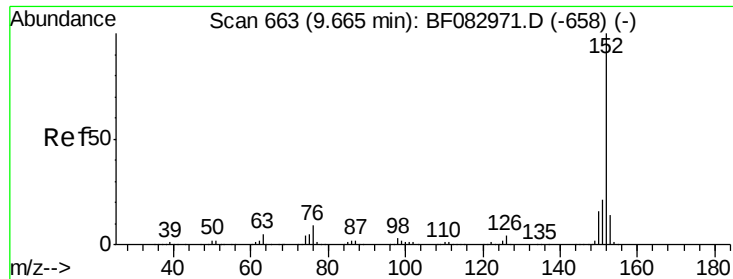
#45
 1,1'-Biphenyl
 Concen: 38.39 ng
 RT: 9.22 min Scan# 624
 Delta R.T. 0.01 min
 Lab File: BF083004.D
 Acq: 18 Nov 2015 9:49

Tgt Ion:154 Resp: 1339719
 Ion Ratio Lower Upper
 154 100
 153 41.1 22.0 62.0
 76 15.7 0.0 29.0



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

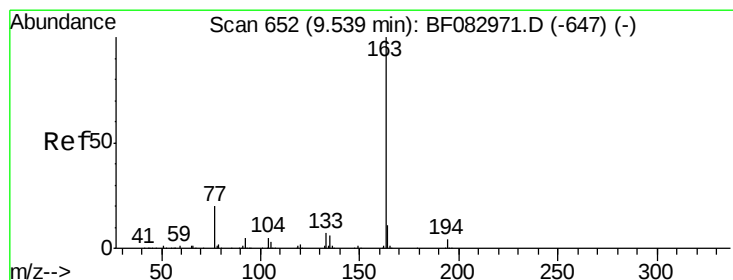
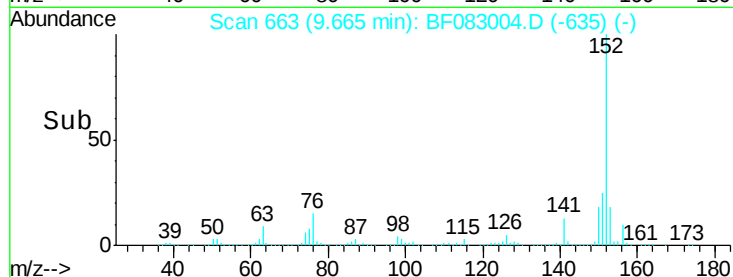
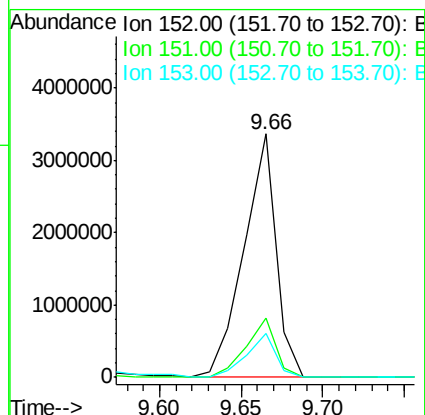
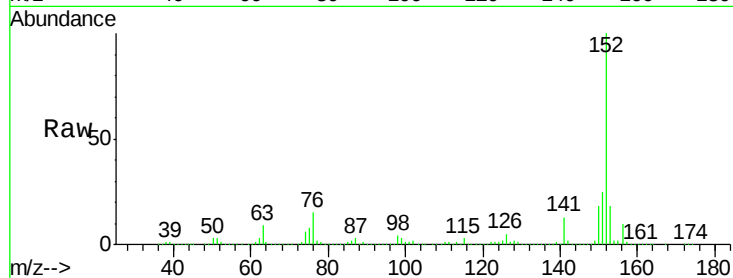




#48
 Acenaphthylene
 Concen: 107.68 ng
 RT: 9.66 min Scan# 663
 Delta R.T. 0.02 min
 Lab File: BF083004.D
 Acq: 18 Nov 2015 9:49

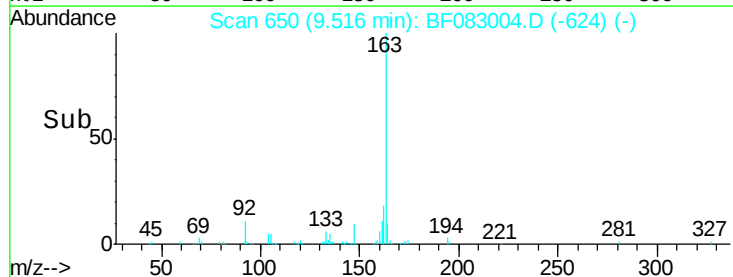
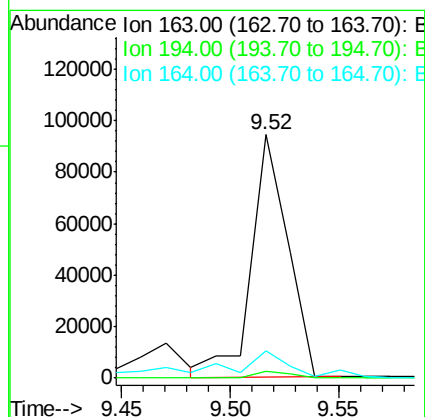
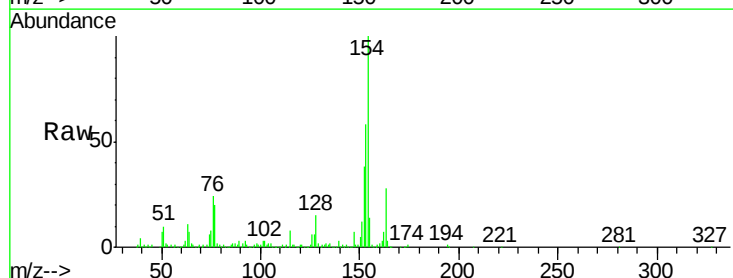
Instrument :
 BNA_F
 ClientSampleId :
 20151110MGP206BRV40

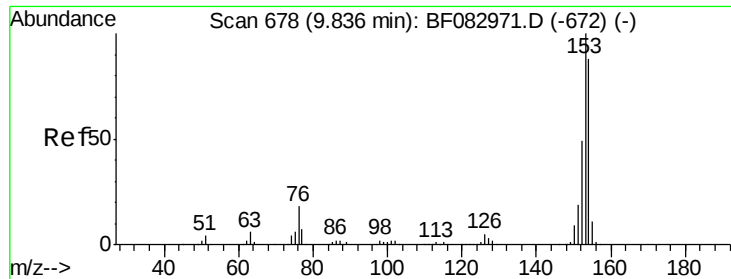
Tgt Ion:152 Resp: 4594197
 Ion Ratio Lower Upper
 152 100
 151 24.6 17.3 25.9
 153 18.0 11.3 16.9#



#49
 Dimethylphthalate
 Concen: 3.28 ng
 RT: 9.52 min Scan# 650
 Delta R.T. 0.00 min
 Lab File: BF083004.D
 Acq: 18 Nov 2015 9:49

Tgt Ion:163 Resp: 109362
 Ion Ratio Lower Upper
 163 100
 194 2.7 2.6 4.0
 164 11.4 8.7 13.1





#51

Acenaphthene

Concen: 66.97 ng

RT: 9.84 min Scan# 678

Delta R.T. 0.02 min

Lab File: BF083004.D

Acq: 18 Nov 2015 9:49

Instrument :

BNA_F

ClientSampleId :

20151110MGP206BRV40

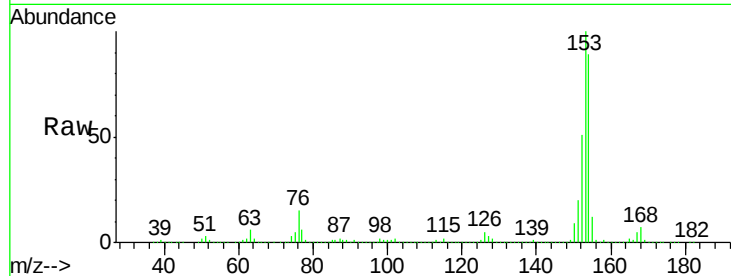
Tgt Ion:154 Resp: 1810983

Ion Ratio Lower Upper

154 100

153 112.3 90.1 135.1

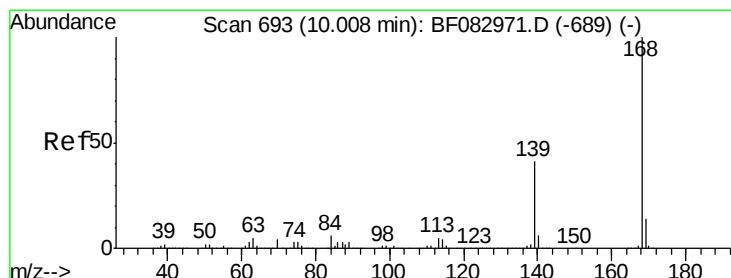
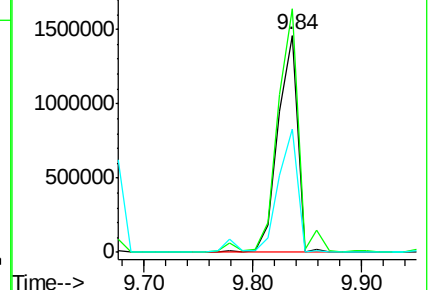
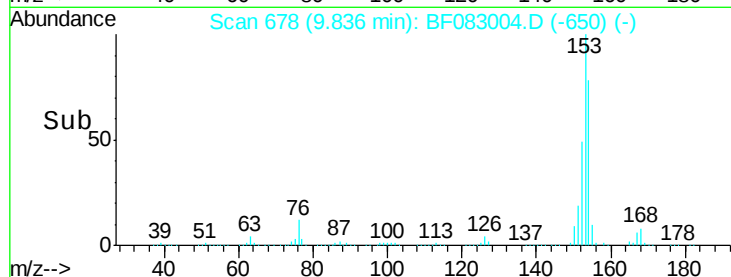
152 57.1 44.3 66.5



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: 12.42 ng

RT: 10.00 min Scan# 692

Delta R.T. 0.01 min

Lab File: BF083004.D

Acq: 18 Nov 2015 9:49

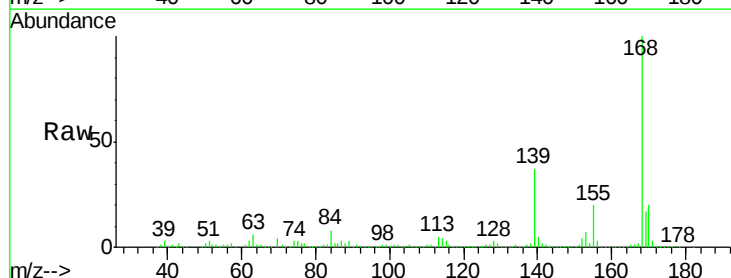
Tgt Ion:168 Resp: 452829

Ion Ratio Lower Upper

168 100

139 37.1 37.8 56.6#

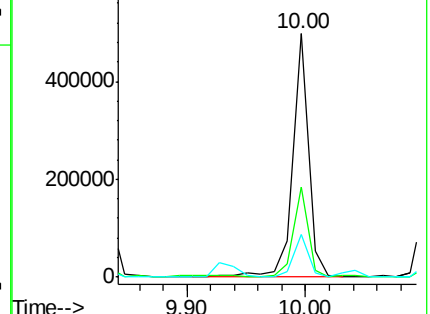
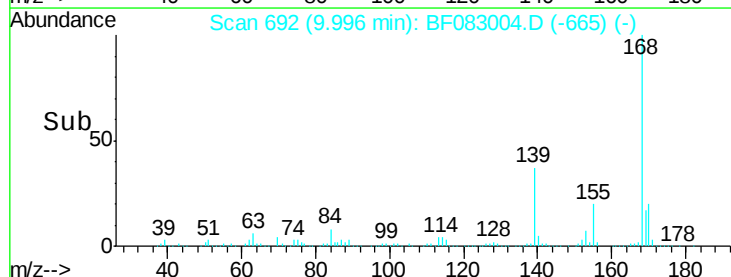
169 17.4 11.3 16.9#

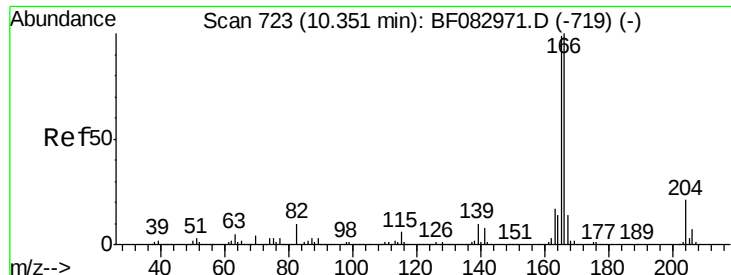


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

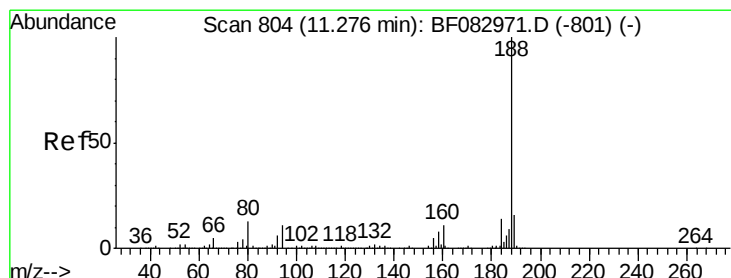
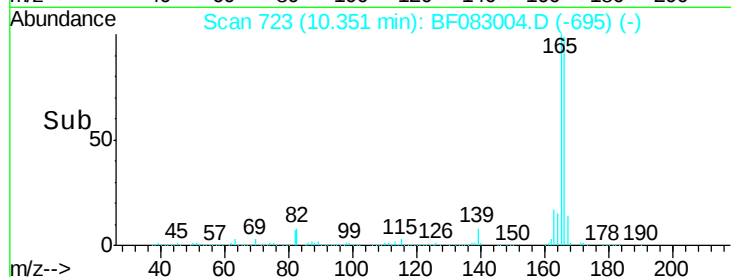
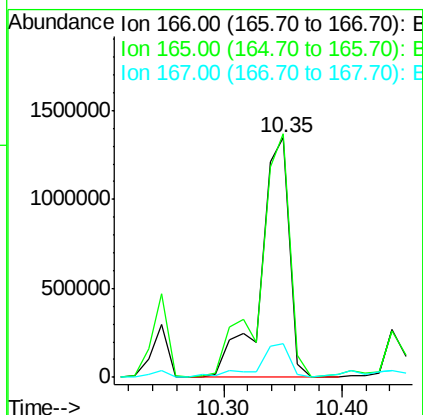
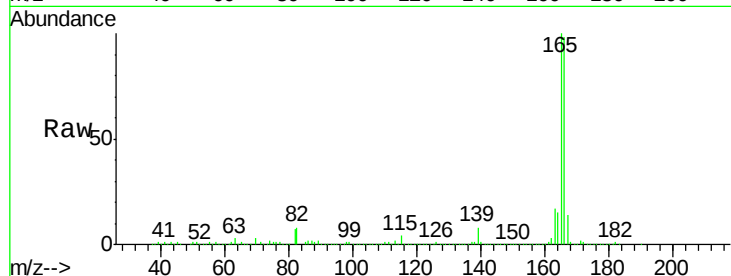




#57
Fluorene
 Concen: 76.66 ng
 RT: 10.35 min Scan# 723
 Delta R.T. 0.02 min
 Lab File: BF083004.D
 Acq: 18 Nov 2015 9:49

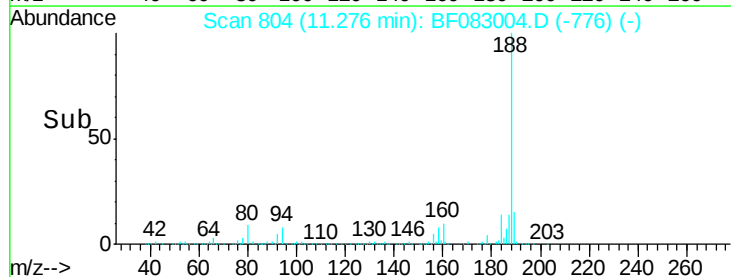
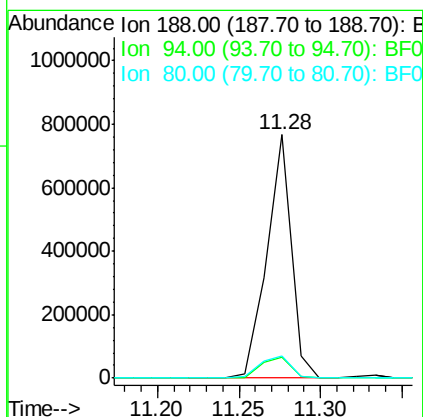
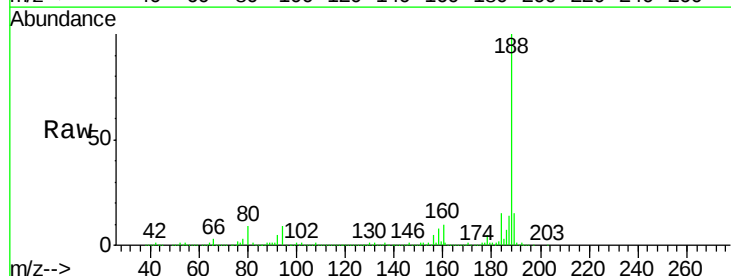
Instrument :
 BNA_F
 ClientSampleId :
 20151110MGP206BRV40

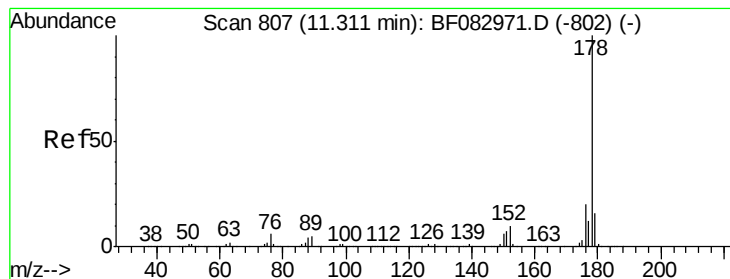
Tgt Ion:166 Resp: 2263504
 Ion Ratio Lower Upper
 166 100
 165 101.6 80.2 120.4
 167 14.0 11.2 16.8



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.28 min Scan# 804
 Delta R.T. 0.02 min
 Lab File: BF083004.D
 Acq: 18 Nov 2015 9:49

Tgt Ion:188 Resp: 800100
 Ion Ratio Lower Upper
 188 100
 94 8.5 6.1 9.1
 80 9.2 7.0 10.6





#70

Phenanthrene

Concen: 56.12 ng

RT: 11.30 min Scan# 806

Delta R.T. 0.02 min

Lab File: BF083004.D

Acq: 18 Nov 2015 9:49

Instrument :

BNA_F

ClientSampleId :

20151110MGP206BRV40

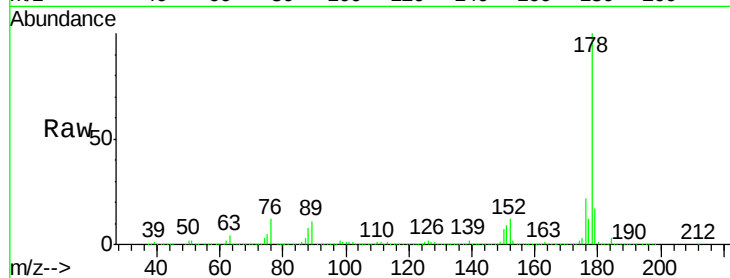
Tgt Ion:178 Resp: 2607447

Ion Ratio Lower Upper

178 100

176 21.8 17.0 25.4

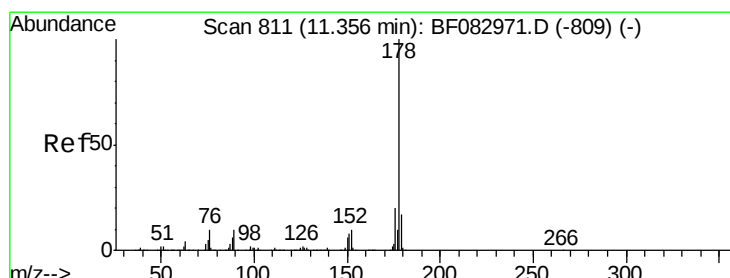
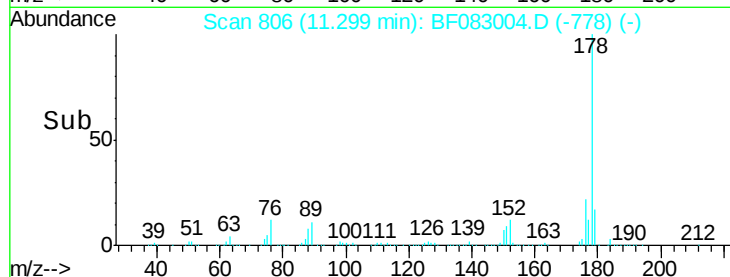
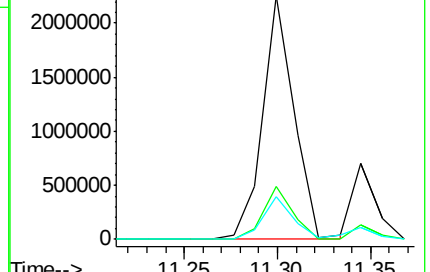
179 17.4 13.4 20.0



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: 13.01 ng

RT: 11.34 min Scan# 810

Delta R.T. 0.01 min

Lab File: BF083004.D

Acq: 18 Nov 2015 9:49

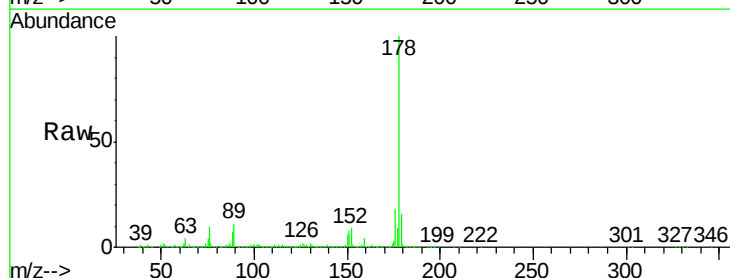
Tgt Ion:178 Resp: 636932

Ion Ratio Lower Upper

178 100

176 18.4 16.5 24.7

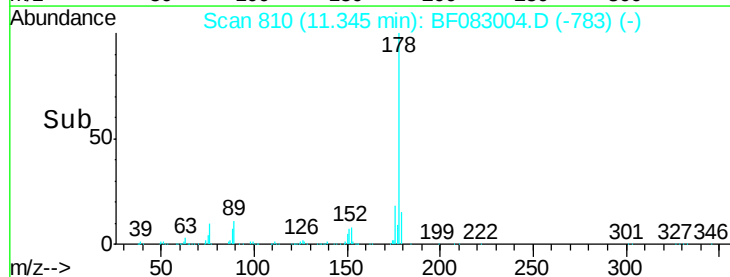
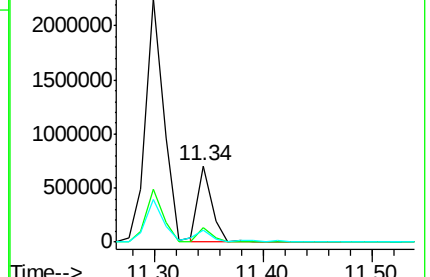
179 16.2 13.2 19.8

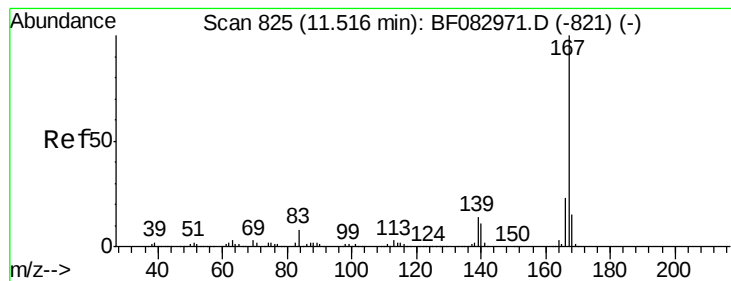


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 19.68 ng

RT: 11.50 min Scan# 824

Delta R.T. 0.02 min

Lab File: BF083004.D

Acq: 18 Nov 2015 9:49

Instrument :

BNA_F

ClientSampleId :

20151110MGP206BRV40

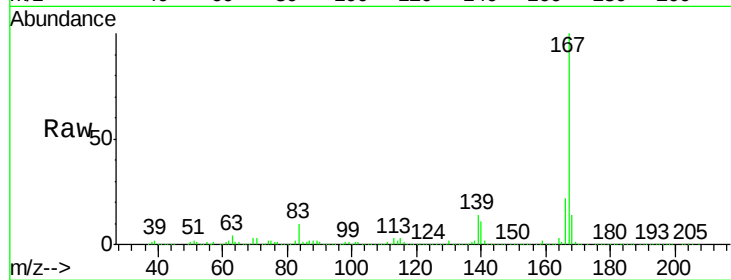
Tgt Ion:167 Resp: 843073

Ion Ratio Lower Upper

167 100

166 21.8 18.7 28.1

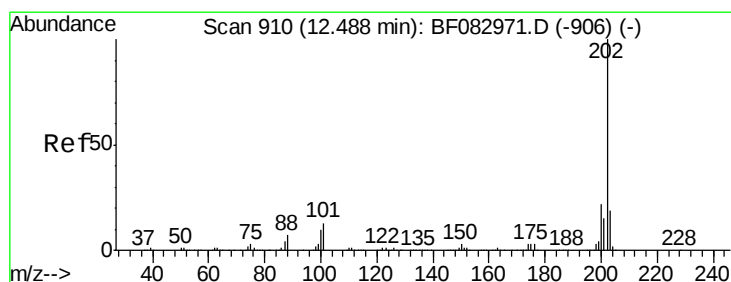
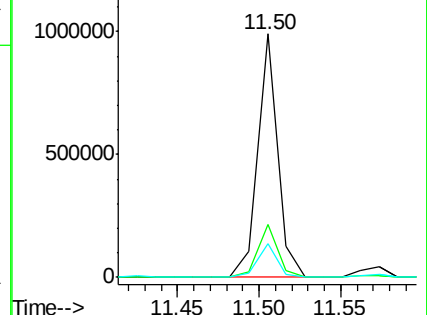
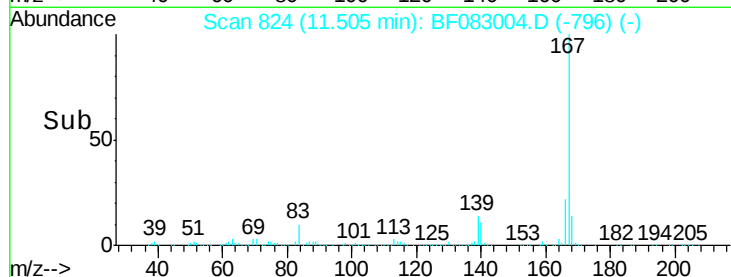
139 13.8 11.8 17.6



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



#74

Fluoranthene

Concen: 5.00 ng

RT: 12.48 min Scan# 909

Delta R.T. 0.01 min

Lab File: BF083004.D

Acq: 18 Nov 2015 9:49

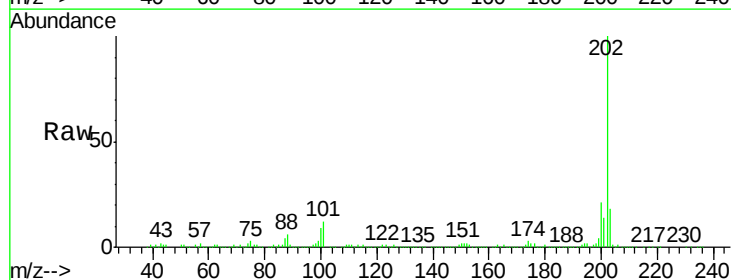
Tgt Ion:202 Resp: 249317

Ion Ratio Lower Upper

202 100

101 12.3 0.0 30.5

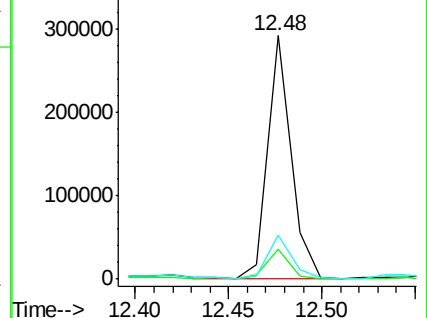
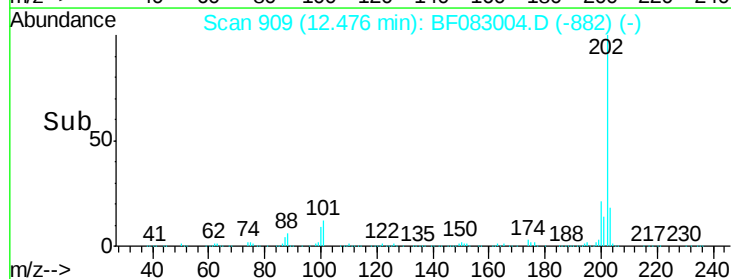
203 18.0 0.0 38.5

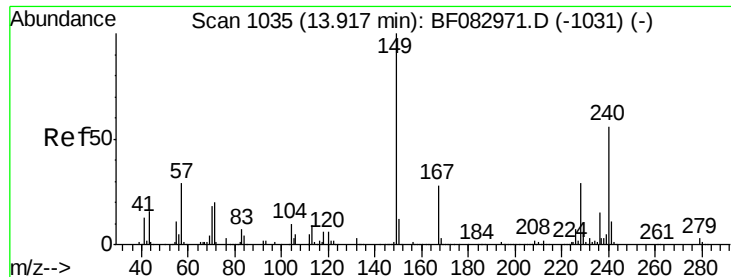


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.91 min Scan# 1034

Delta R.T. 0.01 min

Lab File: BF083004.D

Acq: 18 Nov 2015 9:49

Instrument :

BNA_F

ClientSampleId :

20151110MGP206BRV40

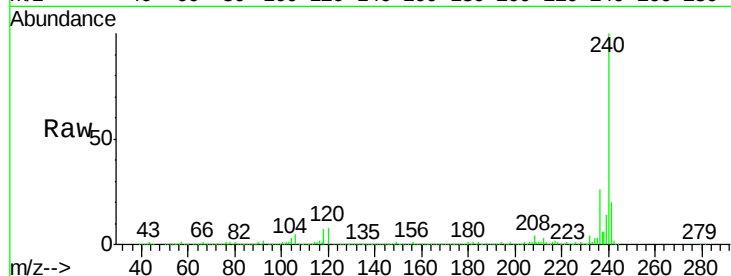
Tgt Ion:240 Resp: 726380

Ion Ratio Lower Upper

240 100

120 8.1 10.9 16.3#

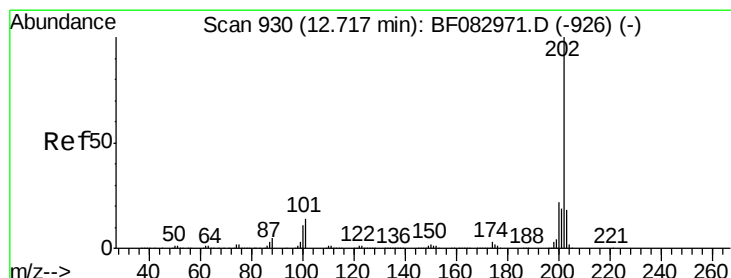
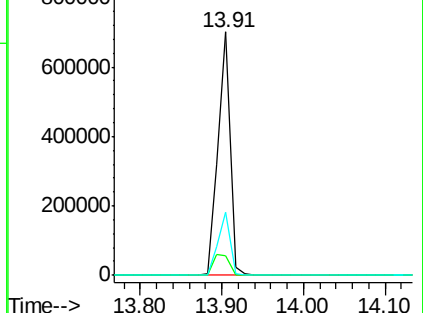
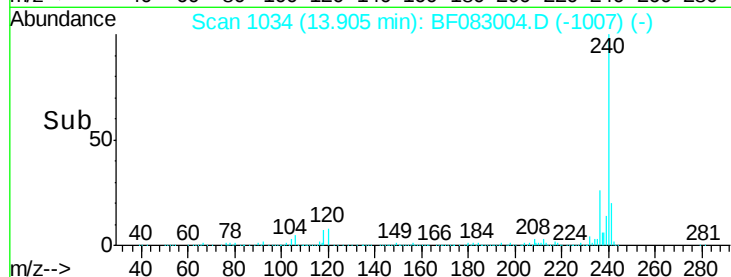
236 25.9 21.6 32.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 7.28 ng

RT: 12.71 min Scan# 929

Delta R.T. 0.01 min

Lab File: BF083004.D

Acq: 18 Nov 2015 9:49

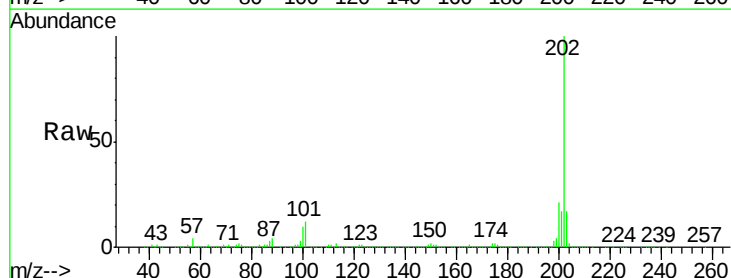
Tgt Ion:202 Resp: 363303

Ion Ratio Lower Upper

202 100

200 21.5 18.7 28.1

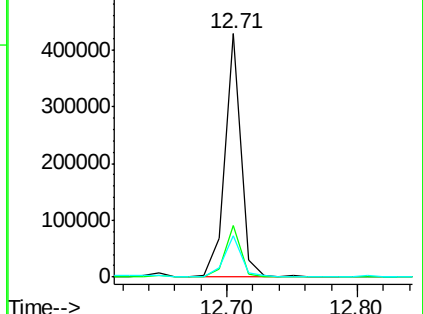
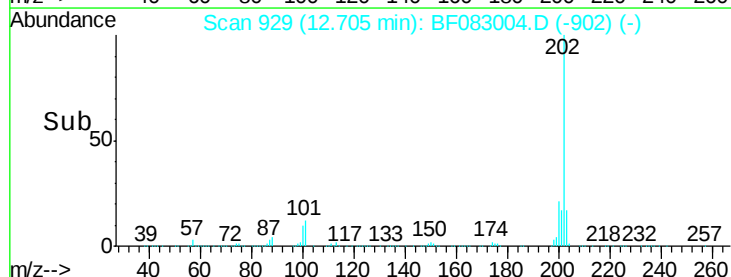
203 17.3 14.8 22.2

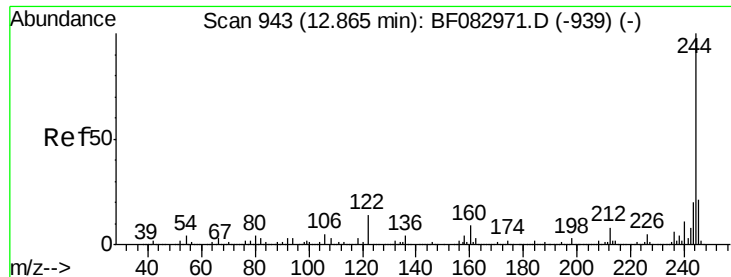


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

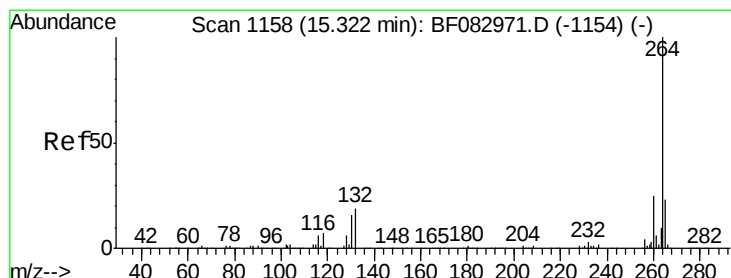
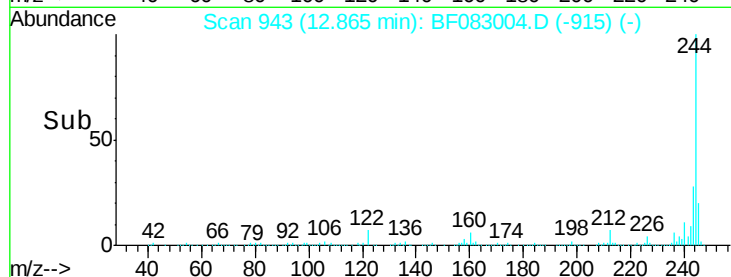
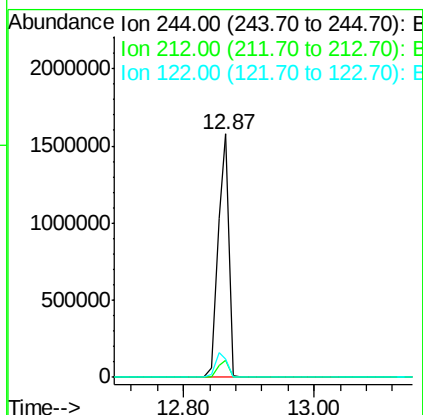
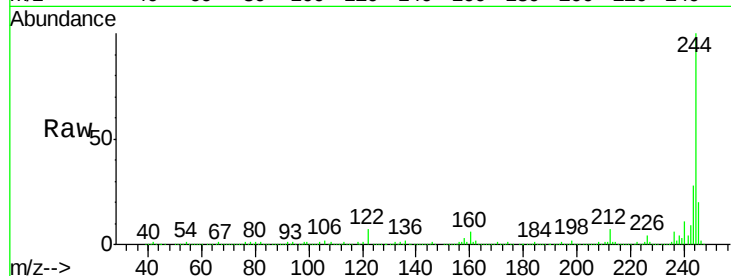




#78
 Terphenyl-d14
 Concen: 60.47 ng
 RT: 12.87 min Scan# 943
 Delta R.T. 0.02 min
 Lab File: BF083004.D
 Acq: 18 Nov 2015 9:49

Instrument :
 BNA_F
 ClientSampleId :
 20151110MGP206BRV40

Tgt Ion:244 Resp: 1852039
 Ion Ratio Lower Upper
 244 100
 212 7.3 7.6 11.4#
 122 7.3 11.3 16.9#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.30 min Scan# 1156
 Delta R.T. 0.02 min
 Lab File: BF083004.D
 Acq: 18 Nov 2015 9:49

Tgt Ion:264 Resp: 543673
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.8 29.6
 265 22.5 17.4 26.0

