

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
 Data File : BF084020.D
 Acq On : 23 Dec 2015 6:08
 Operator : UM/SJ
 Sample : G4916-12
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20151218MGP222BRV64

Quant Time: Dec 23 06:52:12 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 22 18:54:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	72235	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	286873	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	86476	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	168263	20.00	ng	0.00
75) Chrysene-d12	13.99	240	159925	20.00	ng	-0.01
86) Perylene-d12	15.43	264	126265	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	132671	31.32	ng	0.01
7) Phenol-d6	6.48	99	173397	34.81	ng	0.00
23) Nitrobenzene-d5	7.39	82	406646	87.08	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	126772	152.41	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	587211	91.39	ng	0.00
78) Terphenyl-d14	12.93	244	567289	84.59	ng	0.00

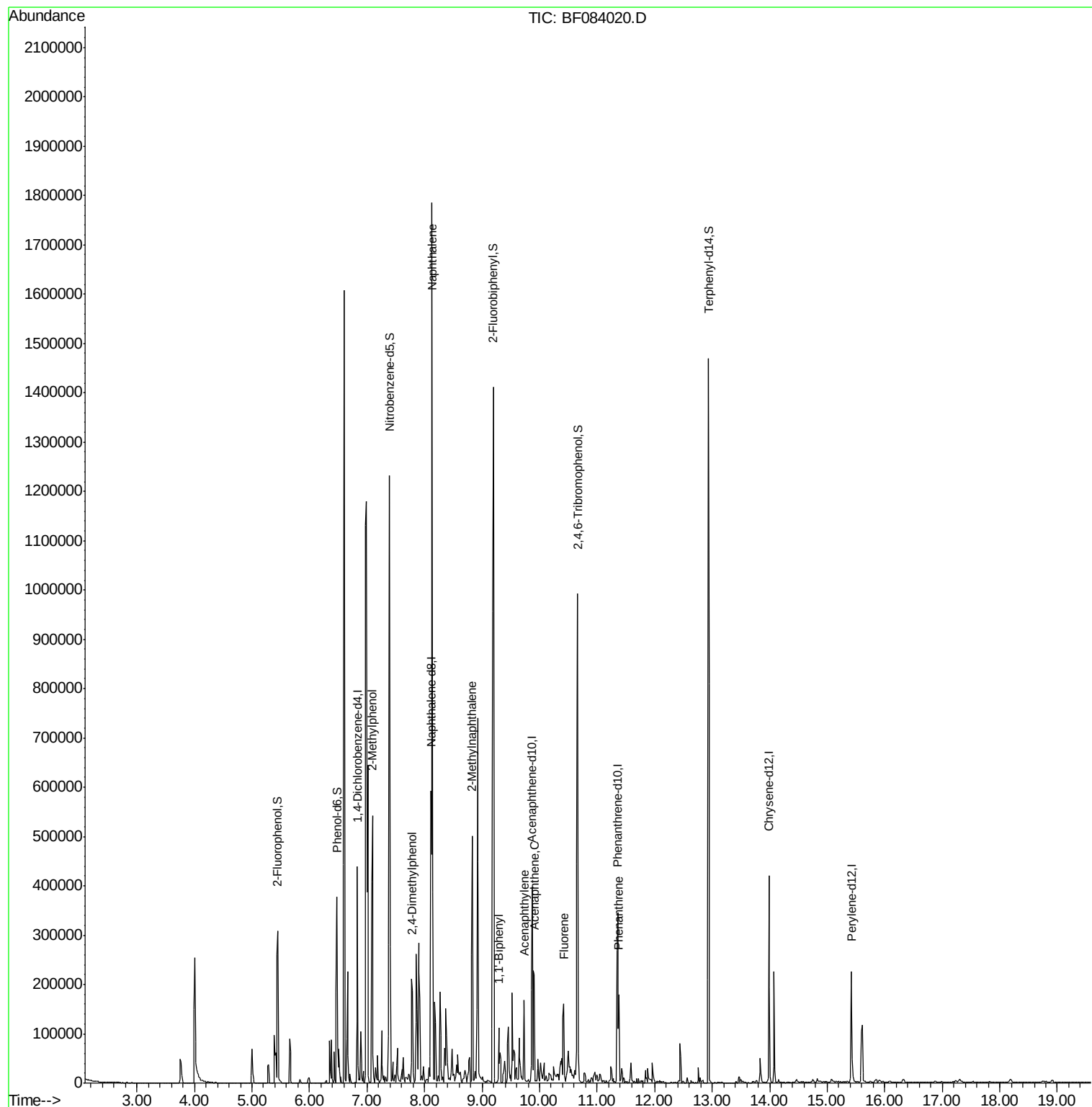
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) 2-Methylphenol	7.09	107	19512	5.02	ng	96
27) 2,4-Dimethylphenol	7.78	122	44364	9.83	ng	94
31) Naphthalene	8.13	128	837127	57.12	ng	99
37) 2-Methylnaphthalene	8.83	142	160997	16.96	ng	99
45) 1,1'-Biphenyl	9.29	154	37623	4.92	ng	98
48) Acenaphthylene	9.73	152	83110	9.54	ng	98
51) Acenaphthene	9.90	154	77730	15.00	ng	98
57) Fluorene	10.42	166	65269	10.62	ng	97
70) Phenanthrene	11.38	178	82914	8.72	ng	99

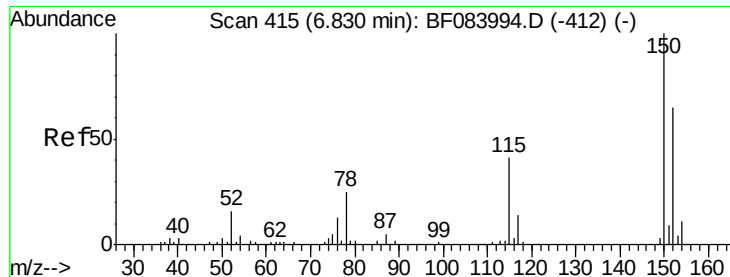
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.00 min

Lab File: BF084020.D

Acq: 23 Dec 2015 6:08

Instrument :

BNA_F

ClientSampleId :

20151218MGP222BRV64

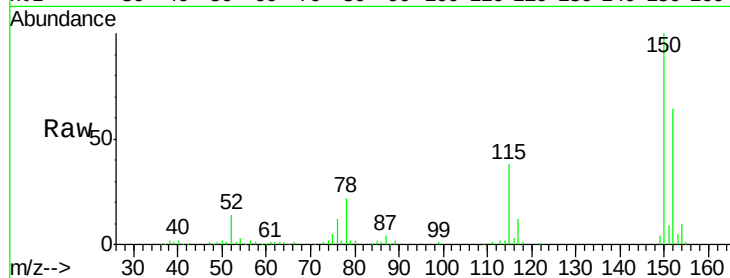
Tot Ion:152 Resp: 72235

Ion Ratio Lower Upper

152 100

150 155.3 123.0 184.4

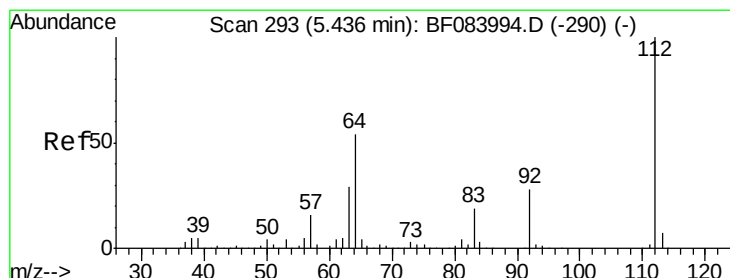
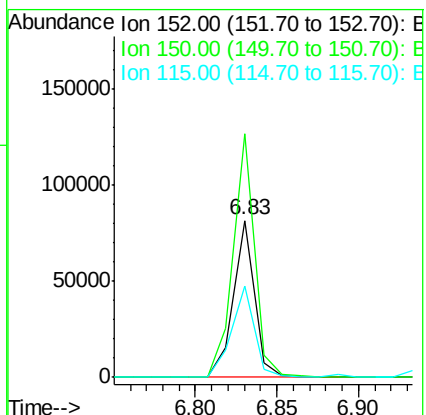
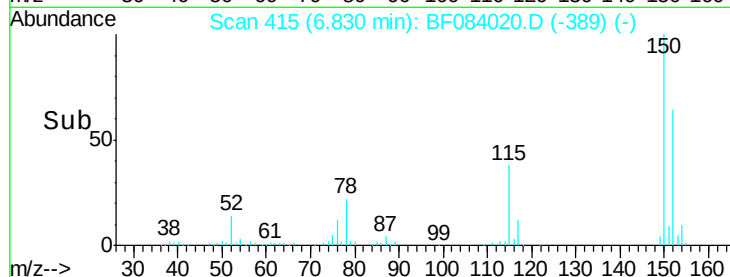
115 58.6 51.4 77.2



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: 31.32 ng

RT: 5.45 min Scan# 294

Delta R.T. 0.01 min

Lab File: BF084020.D

Acq: 23 Dec 2015 6:08

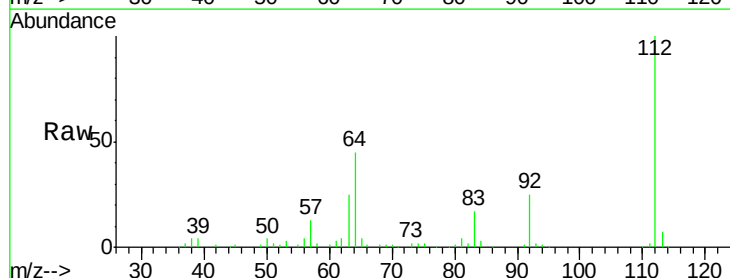
Tgt Ion:112 Resp: 132671

Ion Ratio Lower Upper

112 100

64 45.4 36.6 55.0

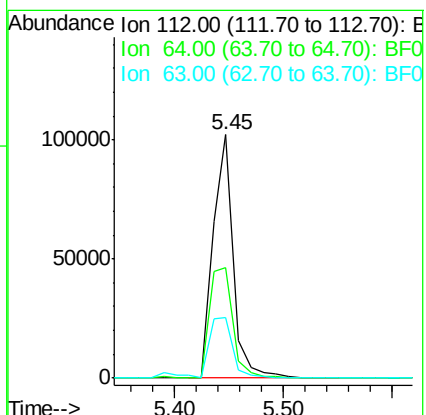
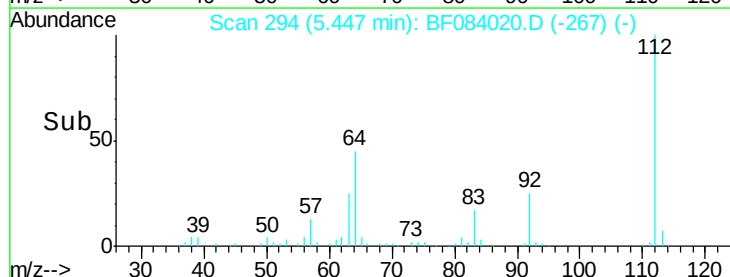
63 24.9 19.4 29.0

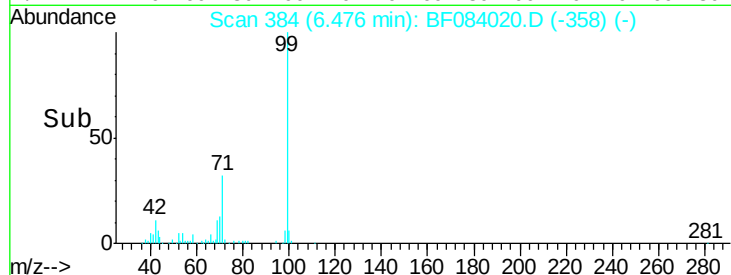
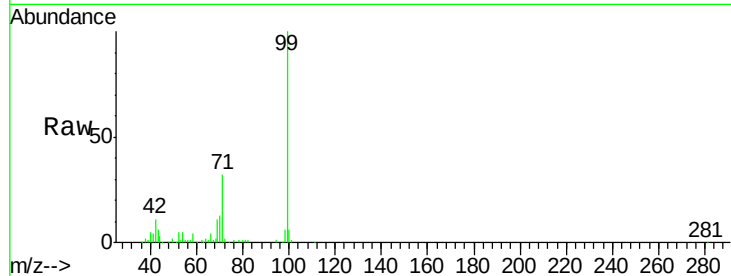
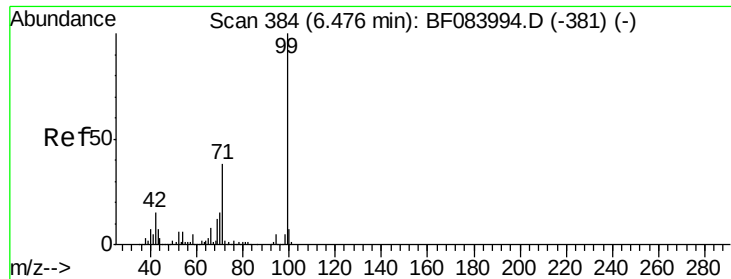


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 34.81 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF084020.D

Acq: 23 Dec 2015 6:08

Instrument :

BNA_F

ClientSampleId :

20151218MGP222BRV64

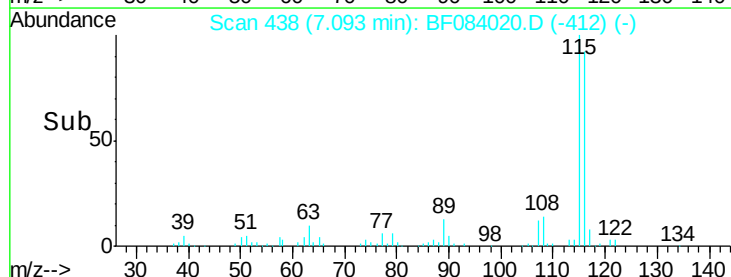
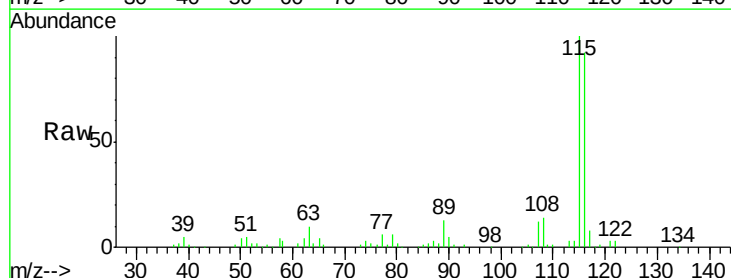
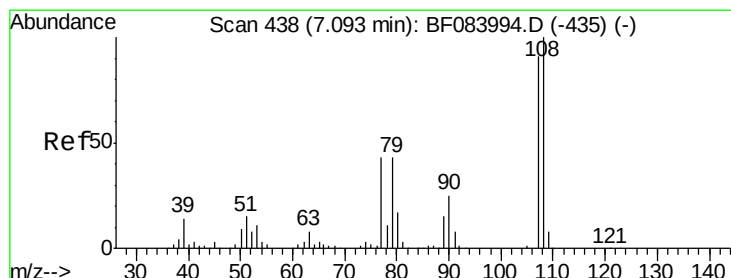
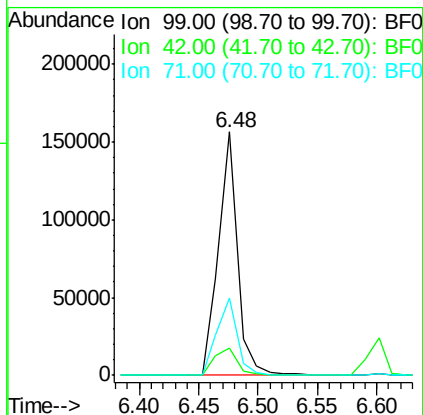
Tot Ion: 99 Resp: 173397

Ion Ratio Lower Upper

99 100

42 11.4 12.8 19.2#

71 31.8 30.9 46.3



#17

2-Methylphenol

Concen: 5.02 ng

RT: 7.09 min Scan# 438

Delta R.T. -0.00 min

Lab File: BF084020.D

Acq: 23 Dec 2015 6:08

Tgt Ion: 107 Resp: 19512

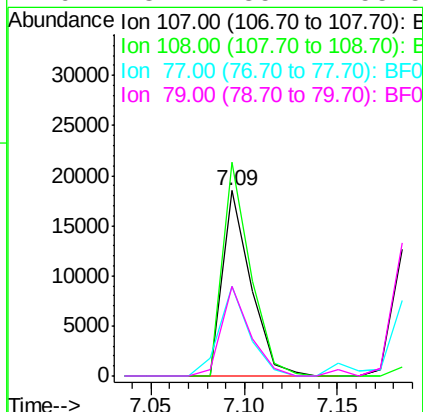
Ion Ratio Lower Upper

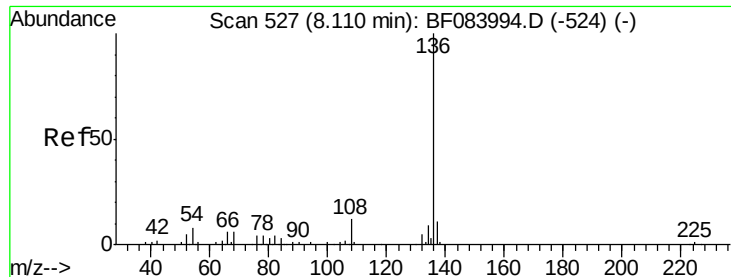
107 100

108 115.5 89.8 134.6

77 48.6 35.7 53.5

79 48.7 35.7 53.5





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 527

Delta R.T. -0.00 min

Lab File: BF084020.D

Acq: 23 Dec 2015 6:08

Instrument :

BNA_F

ClientSampleId :

20151218MGP222BRV64

Tot Ion:136 Resp: 286873

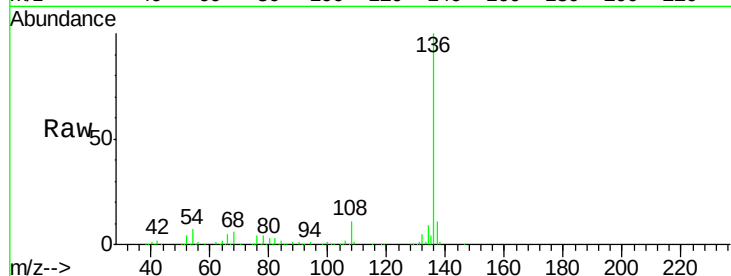
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 7.1 5.8 8.8

68 5.7 4.2 6.2

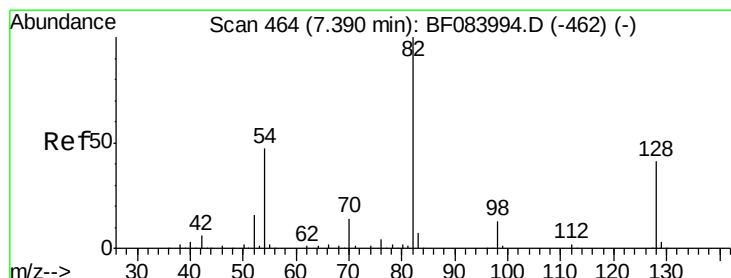
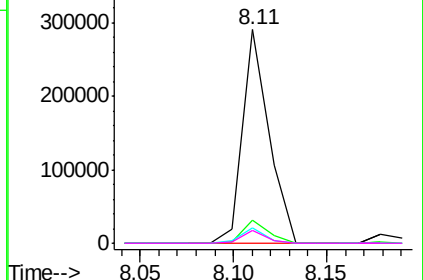
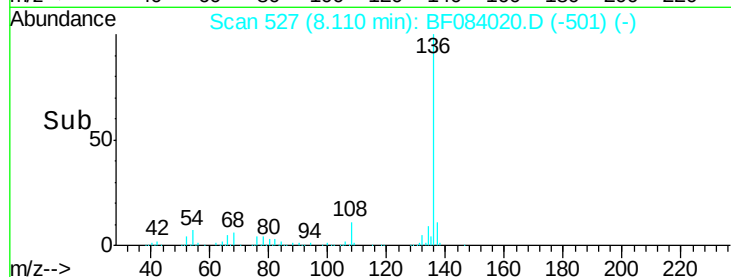


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.08 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.00 min

Lab File: BF084020.D

Acq: 23 Dec 2015 6:08

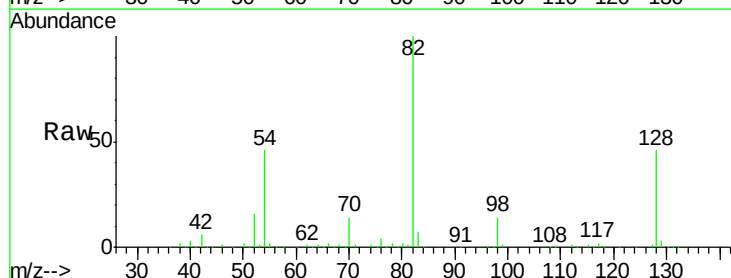
Tgt Ion: 82 Resp: 406646

Ion Ratio Lower Upper

82 100

128 45.5 34.6 51.8

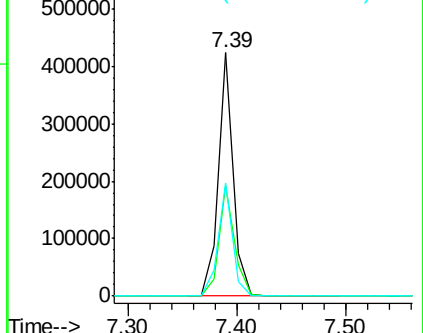
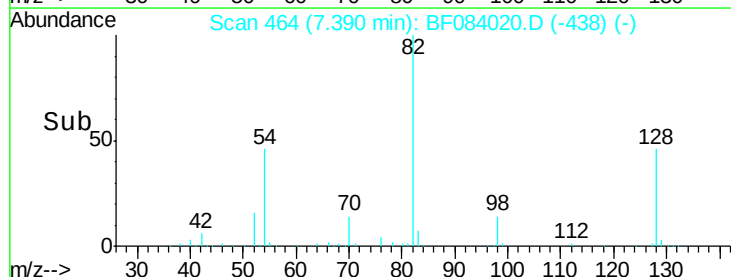
54 46.3 38.4 57.6

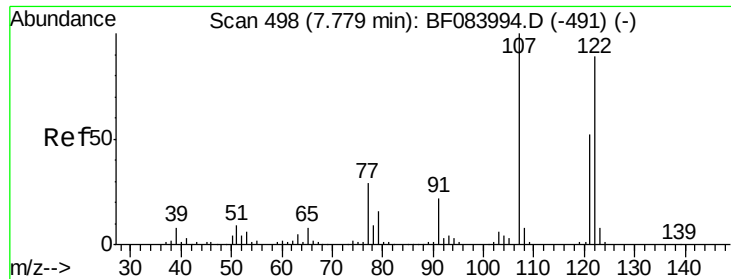


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#27

2,4-Dimethylphenol

Concen: 9.83 ng

RT: 7.78 min Scan# 498

Delta R.T. -0.00 min

Lab File: BF084020.D

Acq: 23 Dec 2015 6:08

Instrument :

BNA_F

ClientSampleId :

20151218MGP222BRV64

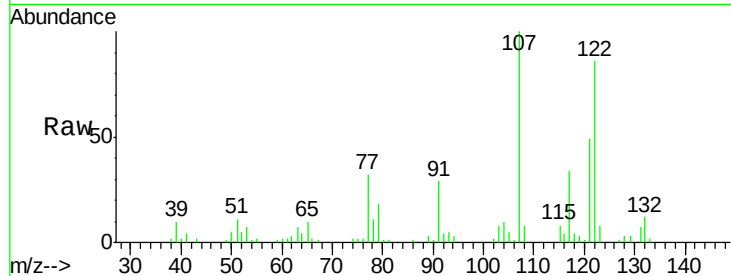
Tot Ion:122 Resp: 44364

Ion Ratio Lower Upper

122 100

107 115.6 99.1 148.7

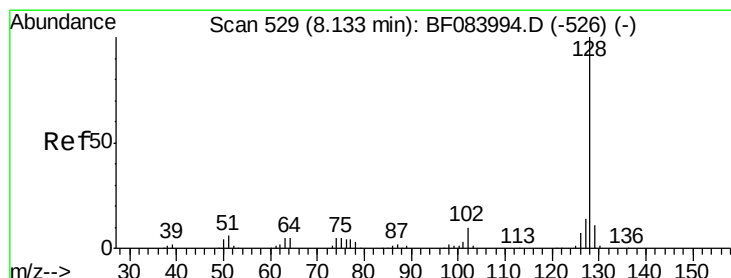
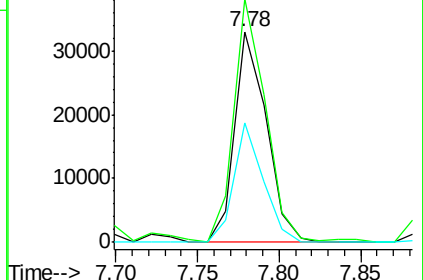
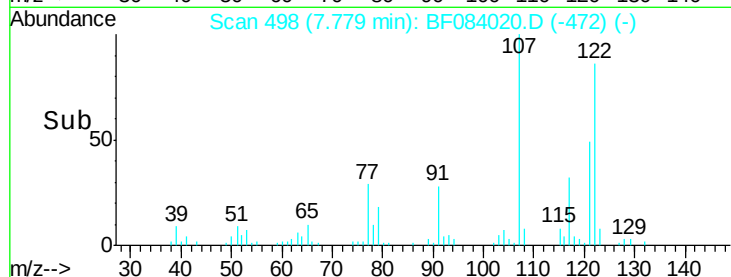
121 56.6 47.9 71.9



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 57.12 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.00 min

Lab File: BF084020.D

Acq: 23 Dec 2015 6:08

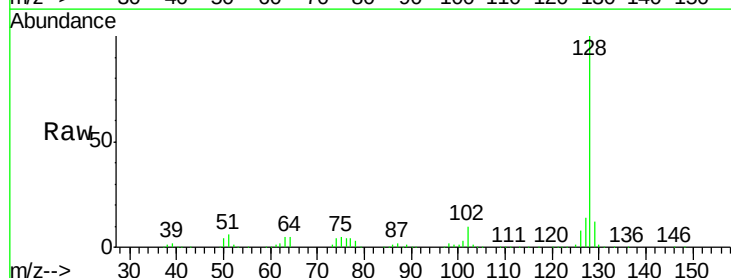
Tgt Ion:128 Resp: 837127

Ion Ratio Lower Upper

128 100

129 11.7 9.1 13.7

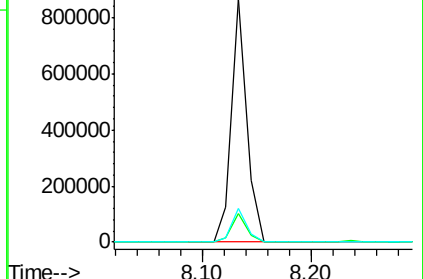
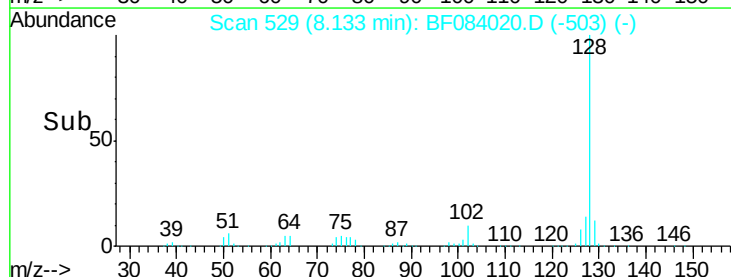
127 14.1 11.1 16.7

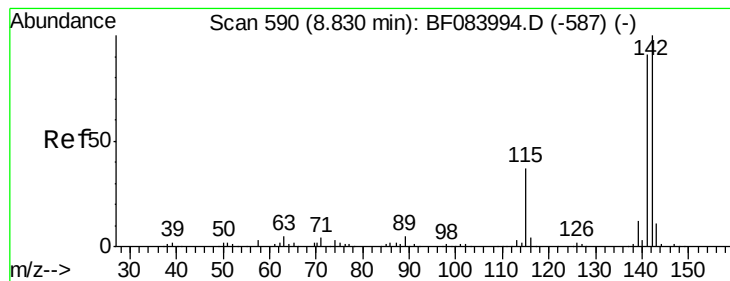


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#37

2-Methylnaphthalene

Concen: 16.96 ng

RT: 8.83 min Scan# 590

Delta R.T. -0.00 min

Lab File: BF084020.D

Acq: 23 Dec 2015 6:08

Instrument :

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ClientSampleId :

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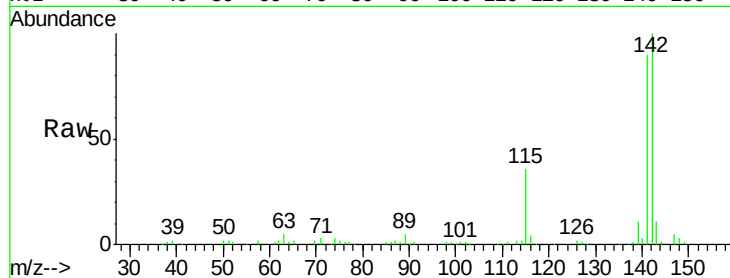
Tot Ion:142 Resp: 160997

Ion Ratio Lower Upper

142 100

141 90.4 72.4 108.6

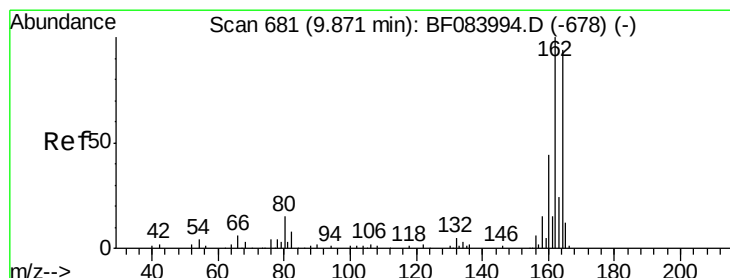
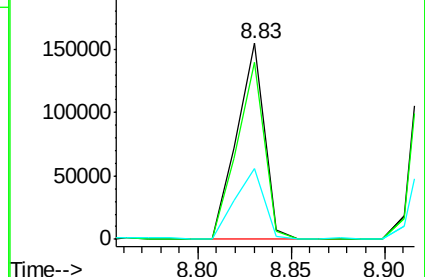
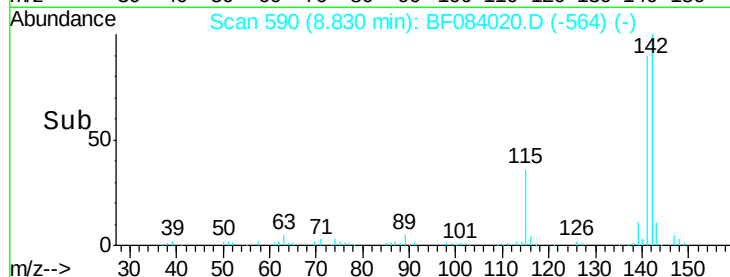
115 36.1 27.9 41.9



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: 9.87 min Scan# 681

Delta R.T. -0.00 min

Lab File: BF084020.D

Acq: 23 Dec 2015 6:08

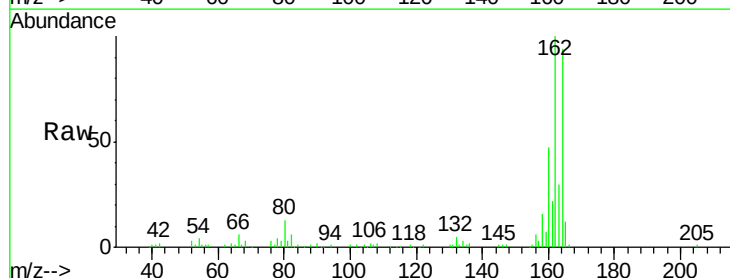
Tgt Ion:164 Resp: 86476

Ion Ratio Lower Upper

164 100

162 106.0 85.1 127.7

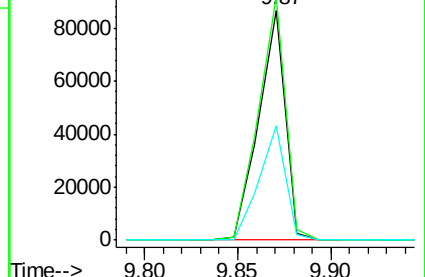
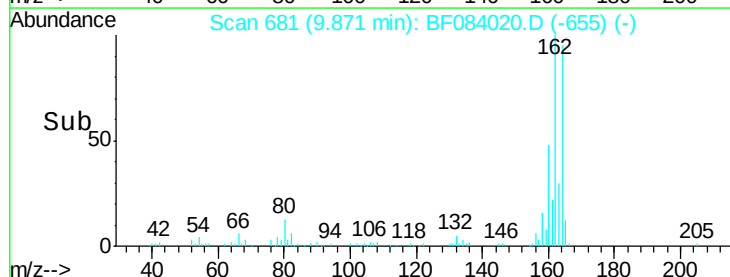
160 49.9 37.5 56.3

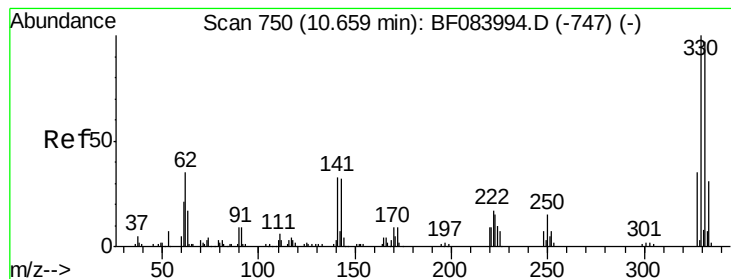


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 152.41 ng

RT: 10.66 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF084020.D

Acq: 23 Dec 2015 6:08

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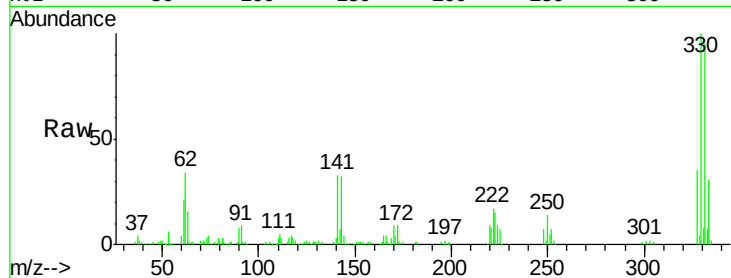
Tot Ion:330 Resp: 126772

Ion Ratio Lower Upper

330 100

332 95.4 76.6 114.8

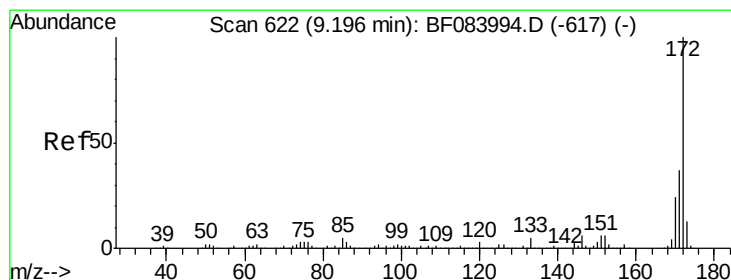
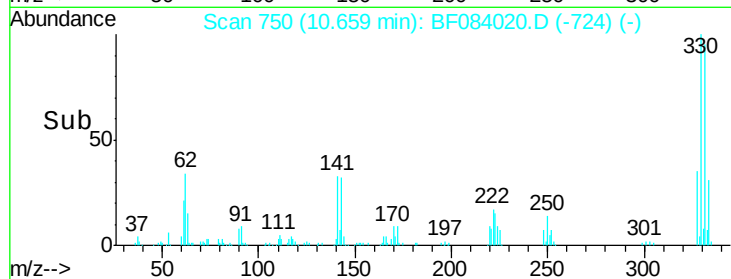
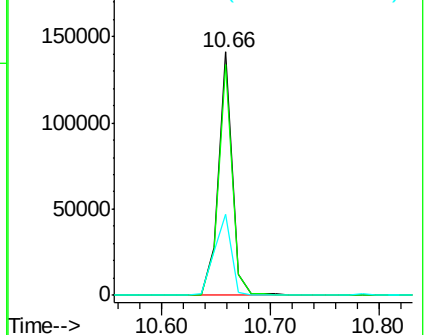
141 41.0 27.8 41.6



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: 91.39 ng

RT: 9.20 min Scan# 622

Delta R.T. 0.00 min

Lab File: BF084020.D

Acq: 23 Dec 2015 6:08

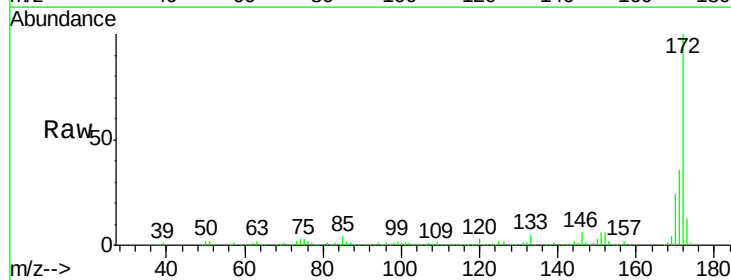
Tgt Ion:172 Resp: 587211

Ion Ratio Lower Upper

172 100

171 36.4 28.9 43.3

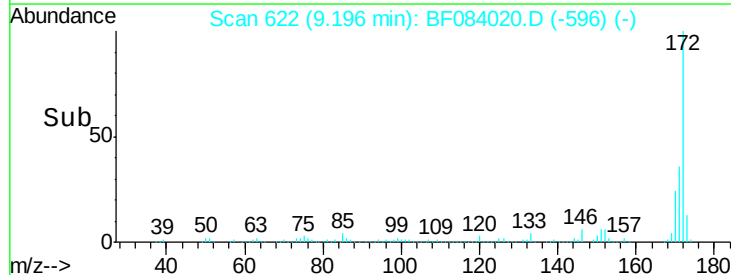
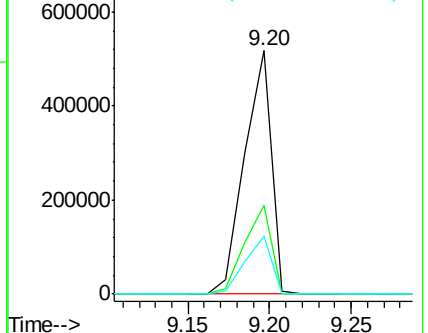
170 23.8 18.6 27.8

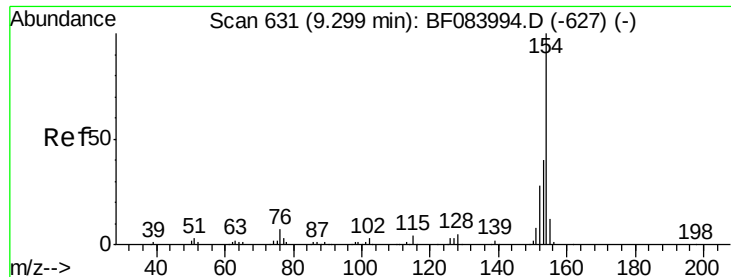


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

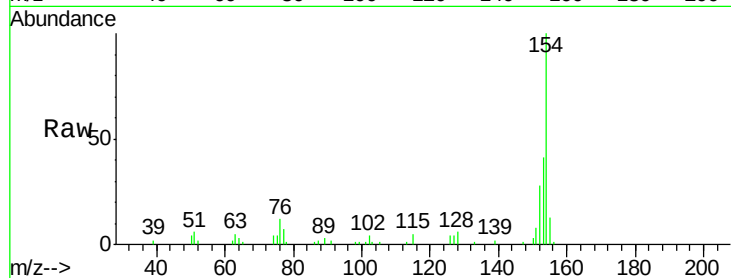




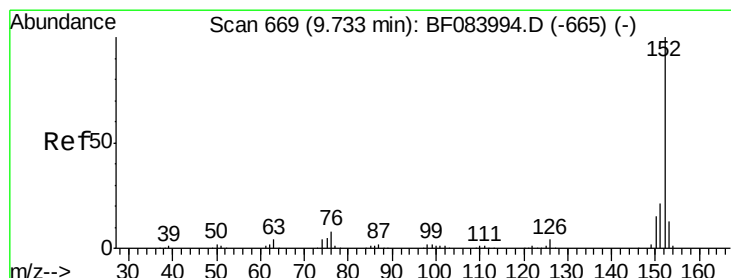
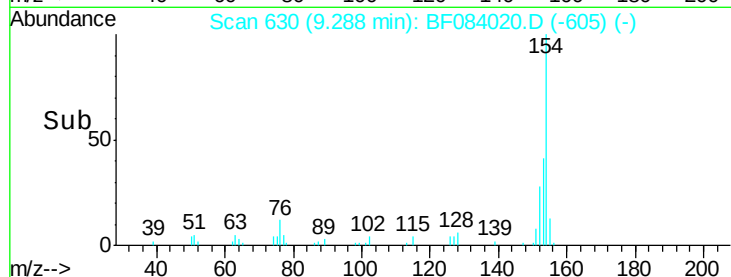
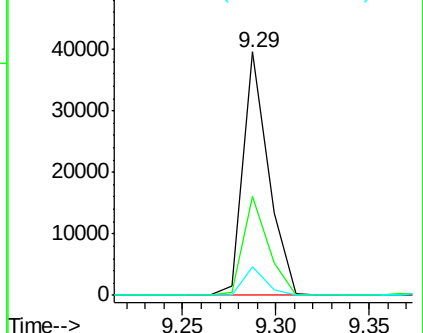
#45
1,1'-Biphenyl
Concen: 4.92 ng
RT: 9.29 min Scan# 630
Delta R.T. -0.01 min
Lab File: BF084020.D
Acq: 23 Dec 2015 6:08

Instrument :
BNA_F
ClientSampleId :
20151218MGP222BRV64

Tot Ion:154 Resp: 37623
Ion Ratio Lower Upper
154 100
153 40.6 21.6 61.6
76 11.5 0.0 32.7

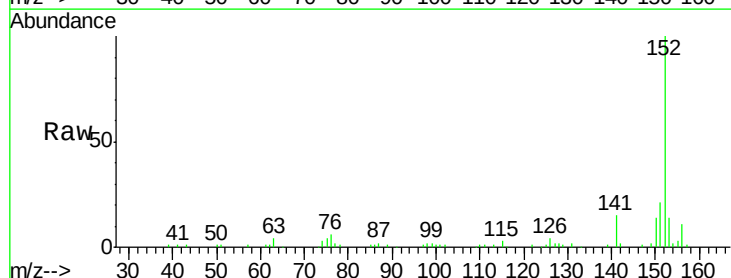


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

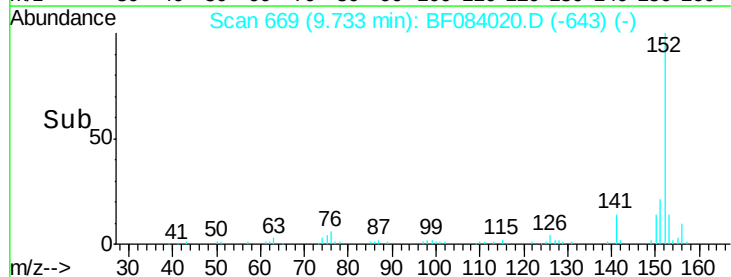
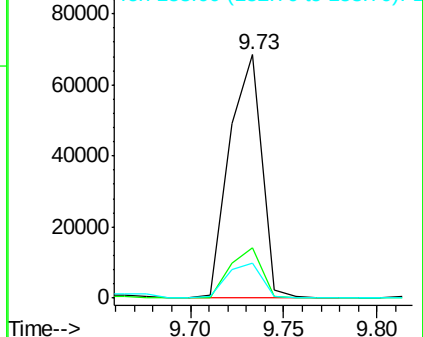


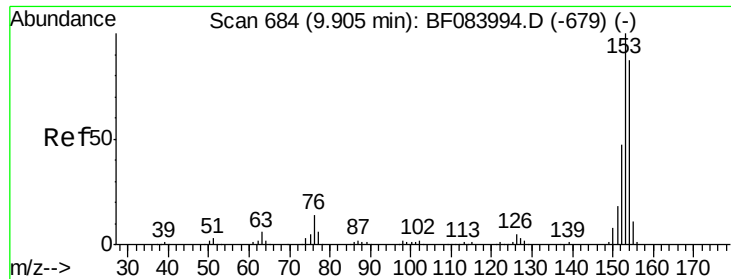
#48
Acenaphthylene
Concen: 9.54 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.00 min
Lab File: BF084020.D
Acq: 23 Dec 2015 6:08

Tgt Ion:152 Resp: 83110
Ion Ratio Lower Upper
152 100
151 20.8 16.3 24.5
153 14.2 10.4 15.6



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: 15.00 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.00 min

Lab File: BF084020.D

Acq: 23 Dec 2015 6:08

Instrument :

BNA_F

ClientSampleId :

20151218MGP222BRV64

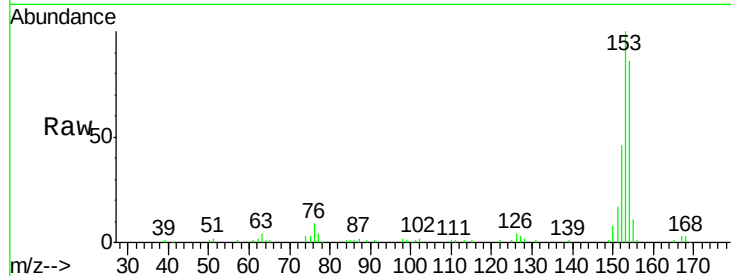
Tot Ion:154 Resp: 77730

Ion Ratio Lower Upper

154 100

153 116.8 91.5 137.3

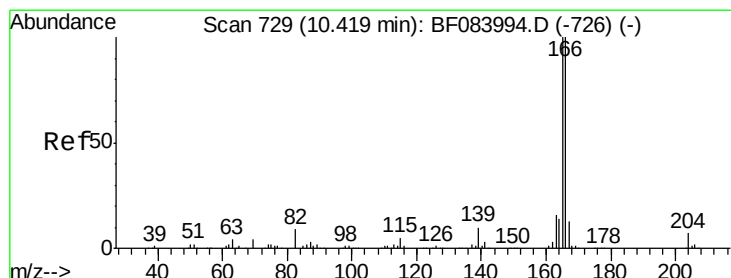
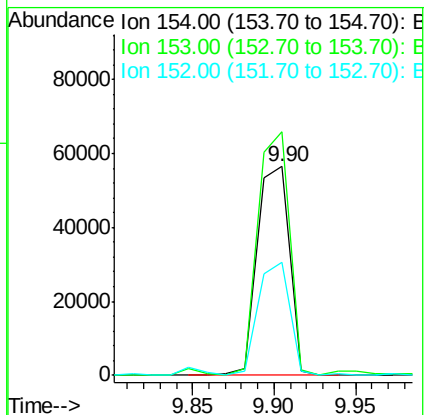
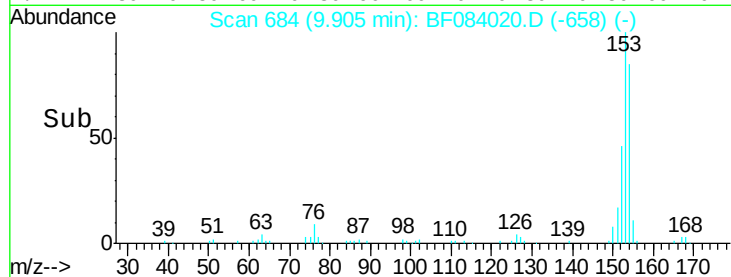
152 54.1 43.0 64.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 10.62 ng

RT: 10.42 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF084020.D

Acq: 23 Dec 2015 6:08

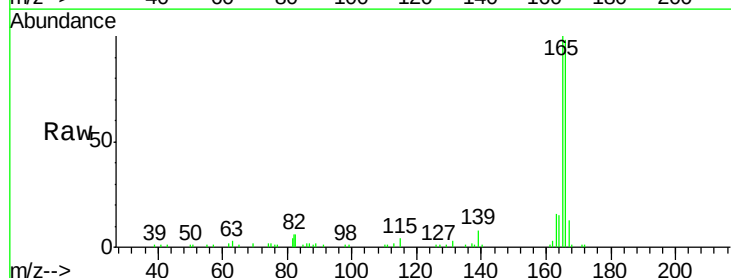
Tgt Ion:166 Resp: 65269

Ion Ratio Lower Upper

166 100

165 102.2 79.1 118.7

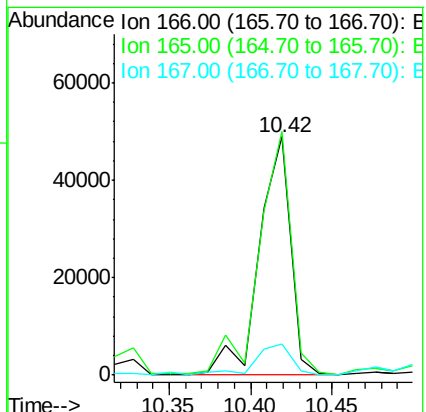
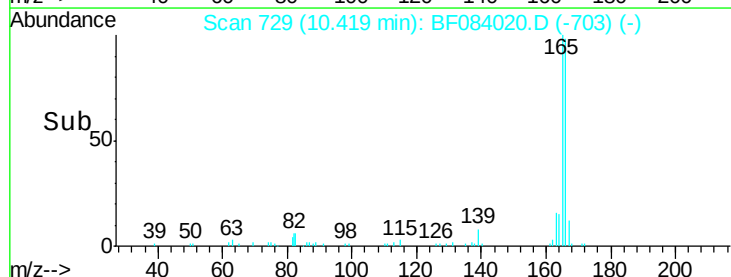
167 13.3 10.4 15.6

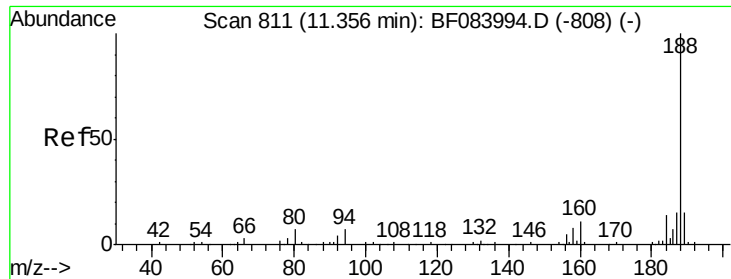


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

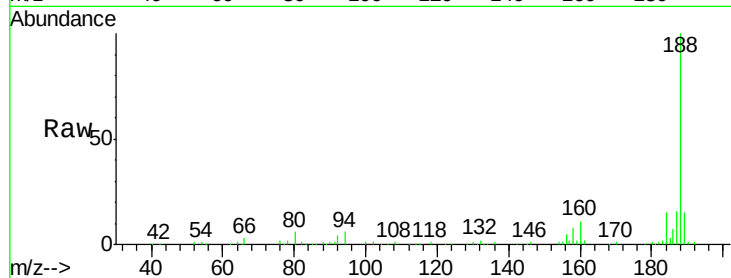




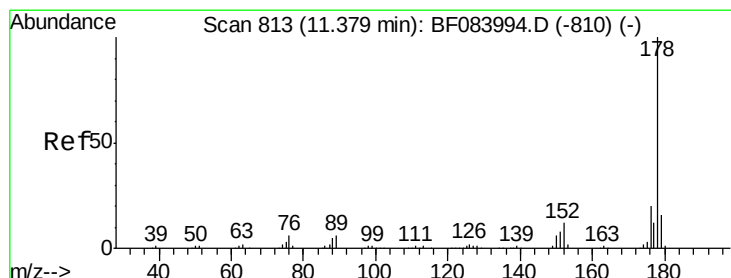
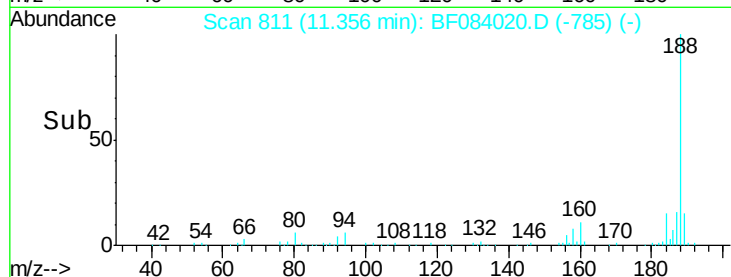
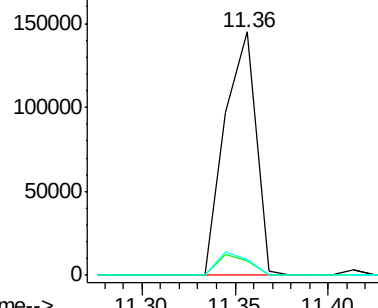
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF084020.D
Acq: 23 Dec 2015 6:08

Instrument :
BNA_F
ClientSampleId :
20151218MGP222BRV64

Tot Ion:188 Resp: 168263
Ion Ratio Lower Upper
188 100
94 6.0 9.0 13.4#
80 6.3 9.6 14.4#

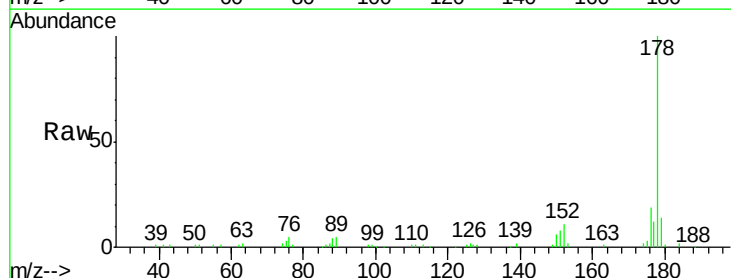


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

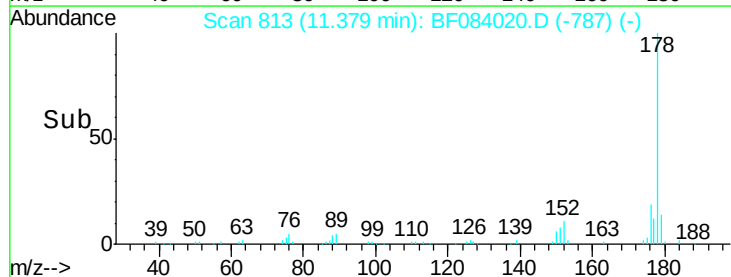
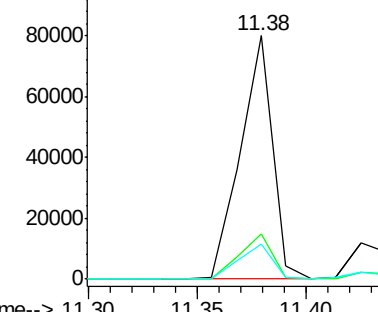


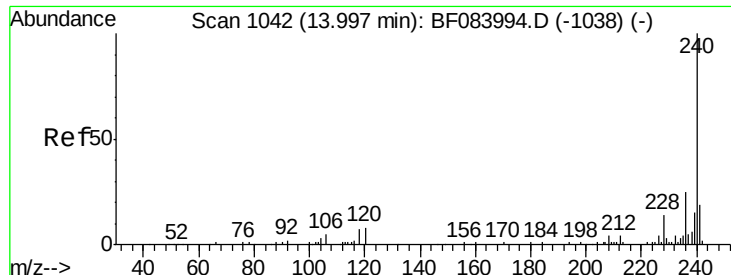
#70
Phenanthrene
Concen: 8.72 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF084020.D
Acq: 23 Dec 2015 6:08

Tgt Ion:178 Resp: 82914
Ion Ratio Lower Upper
178 100
176 18.5 15.3 22.9
179 14.3 12.0 18.0



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF084020.D

Acq: 23 Dec 2015 6:08

Instrument :

BNA_F

ClientSampleId :

20151218MGP222BRV64

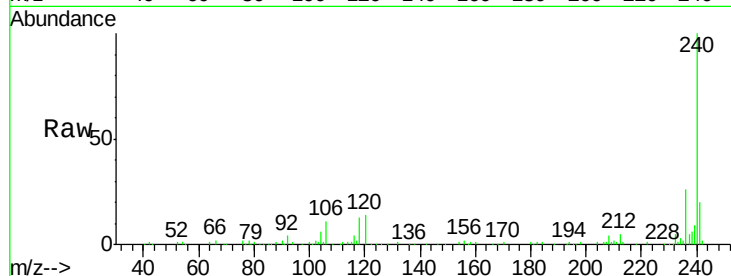
Tot Ion:240 Resp: 159925

Ion Ratio Lower Upper

240 100

120 14.4 9.5 14.3#

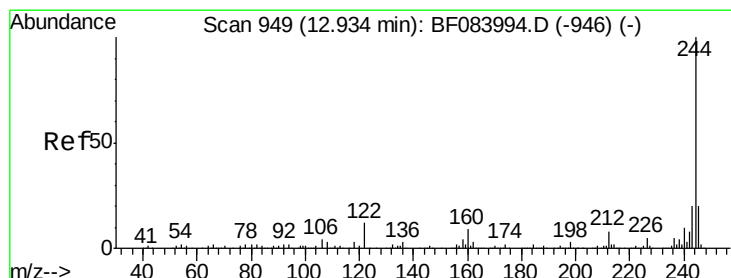
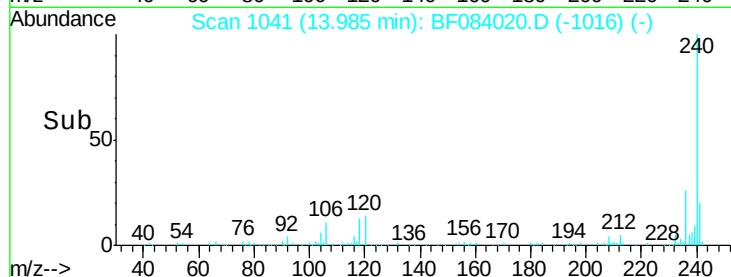
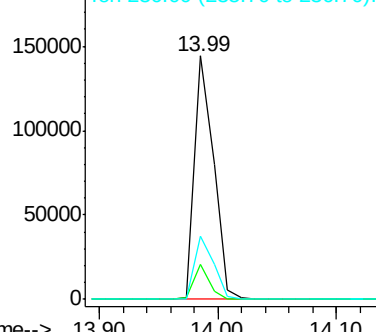
236 26.0 20.6 31.0



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: 84.59 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.00 min

Lab File: BF084020.D

Acq: 23 Dec 2015 6:08

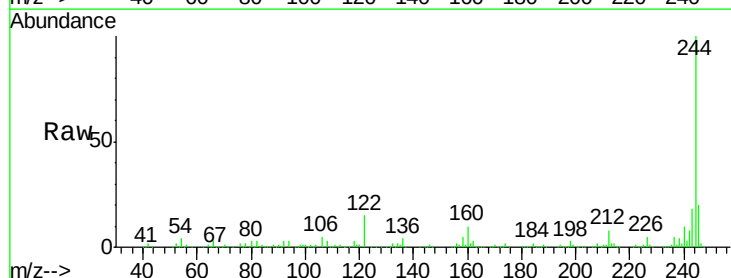
Tgt Ion:244 Resp: 567289

Ion Ratio Lower Upper

244 100

212 7.9 5.7 8.5

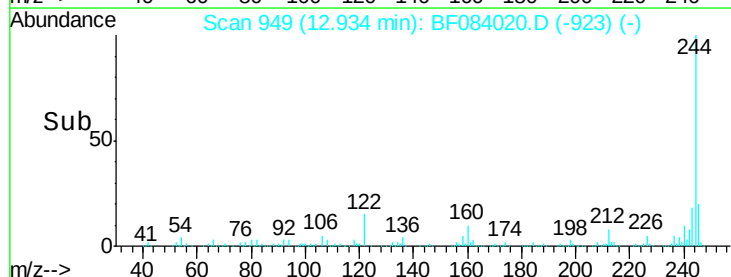
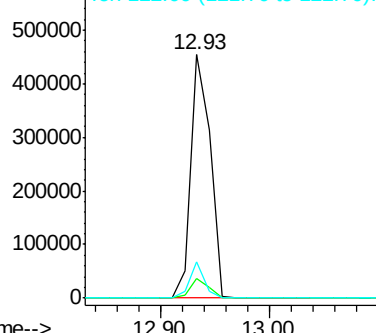
122 14.6 7.4 11.0#

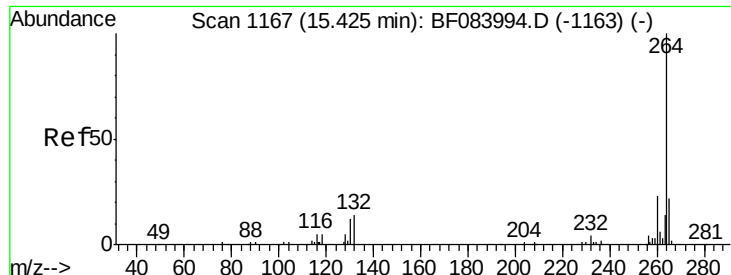


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1167
Delta R.T. -0.00 min
Lab File: BF084020.D
Acq: 23 Dec 2015 6:08

Instrument :
BNA_F
ClientSampleId :
20151218MGP222BRV64

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.4	29.2
265	21.2	17.8	26.6

