

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120516\
 Data File : BF091424.D
 Acq On : 5 Dec 2016 18:09
 Operator : UM/SJ
 Sample : H5838-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-9

Quant Time: Dec 06 00:06:42 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 13:33:46 2016
 Response via : Initial Calibration

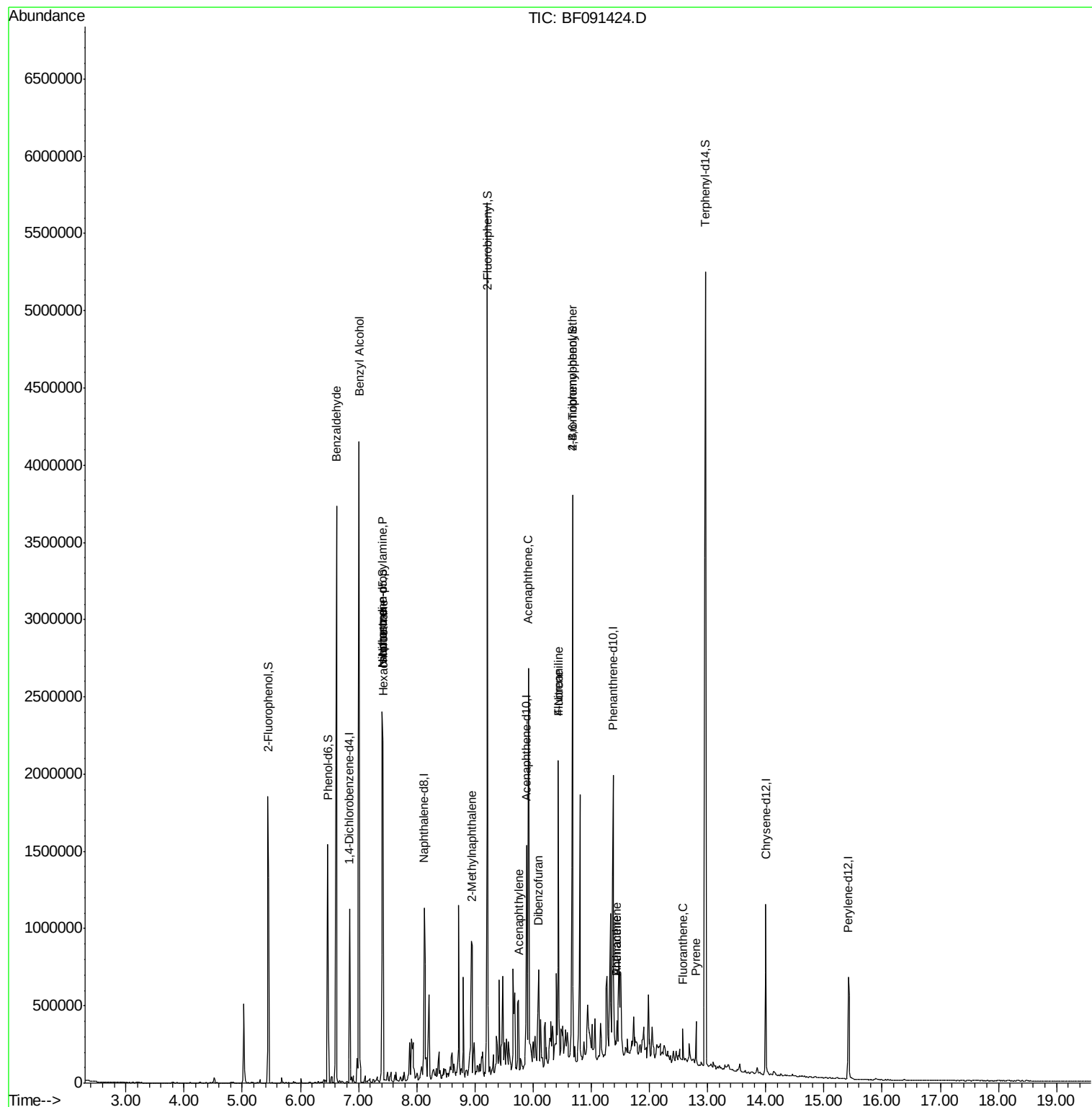
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	147224	20.00	ng	-0.03
21) Naphthalene-d8	8.13	136	610782	20.00	ng	-0.04
38) Acenaphthene-d10	9.89	164	301879	20.00	ng	-0.03
63) Phenanthrene-d10	11.37	188	538702	20.00	ng	-0.03
75) Chrysene-d12	14.00	240	479183	20.00	ng	-0.04
86) Perylene-d12	15.42	264	356716	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	615893	68.34	ng	-0.03
7) Phenol-d6	6.47	99	457961	41.28	ng	-0.03
23) Nitrobenzene-d5	7.41	82	1169431	107.30	ng	-0.04
41) 2,4,6-Tribromophenol	10.68	330	433870	151.81	ng	-0.03
44) 2-Fluorobiphenyl	9.21	172	1781545	106.86	ng	-0.03
78) Terphenyl-d14	12.96	244	2080038	94.35	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	6.62	77	26565	3.72	ng	91
15) Benzyl Alcohol	7.01	79	19805	2.23	ng	# 34
18) Hexachloroethane	7.42	117	33236	8.56	ng	# 1
19) n-Nitroso-di-n-propylamine	7.41	70	161080	23.05	ng	# 74
25) Isophorone	7.41	82	992039	51.38	ng	# 67
37) 2-Methylnaphthalene	8.95	142	291104	14.76	ng	99
48) Acenaphthylene	9.75	152	93534	3.68	ng	# 88
51) Acenaphthene	9.92	154	559861	32.62	ng	98
54) Dibenzofuran	10.09	168	168442	7.33	ng	# 87
57) Fluorene	10.44	166	664085	37.64	ng	98
61) 4-Nitroaniline	10.44	138	9939	2.24	ng	# 42
66) 4-Bromophenyl-phenylether	10.68	248	26766	4.62	ng	# 1
70) Phenanthrene	11.44	178	70862	2.53	ng	97
71) Anthracene	11.44	178	70862	2.55	ng	97
74) Fluoranthene	12.57	202	81991	3.09	ng	98
77) Pyrene	12.80	202	107561	2.96	ng	99

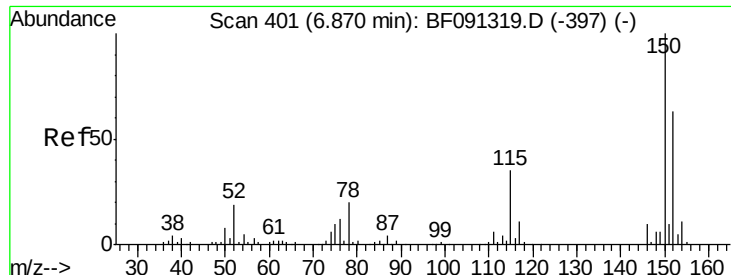
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 399

Delta R.T. -0.03 min

Lab File: BF091424.D

Acq: 5 Dec 2016 18:09

Instrument :

BNA_F

ClientSampleId :

MW-9

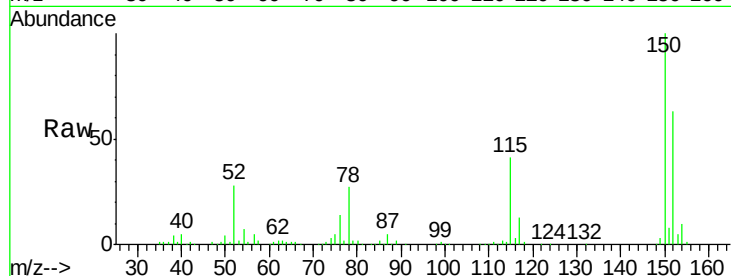
Tgt Ion:152 Resp: 147224

Ion Ratio Lower Upper

152 100

150 158.7 122.5 183.7

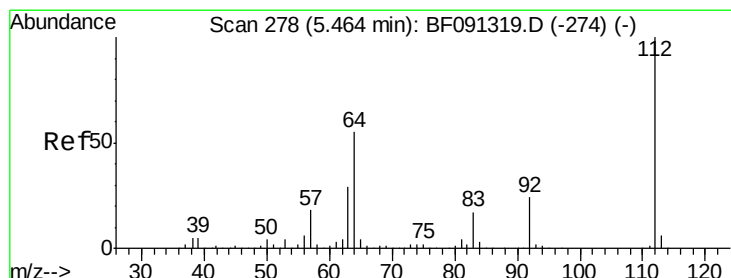
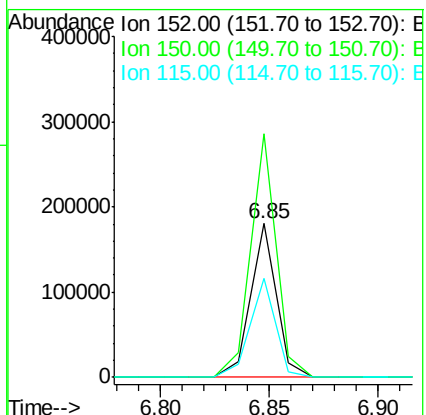
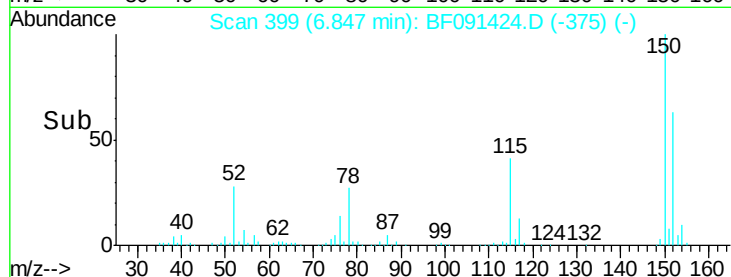
115 64.3 51.8 77.8



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: 68.34 ng

RT: 5.44 min Scan# 276

Delta R.T. -0.03 min

Lab File: BF091424.D

Acq: 5 Dec 2016 18:09

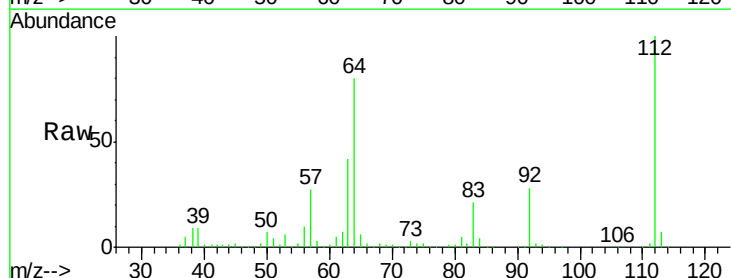
Tgt Ion:112 Resp: 615893

Ion Ratio Lower Upper

112 100

64 80.0 61.5 92.3

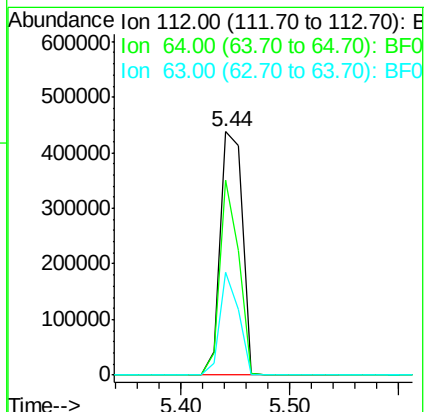
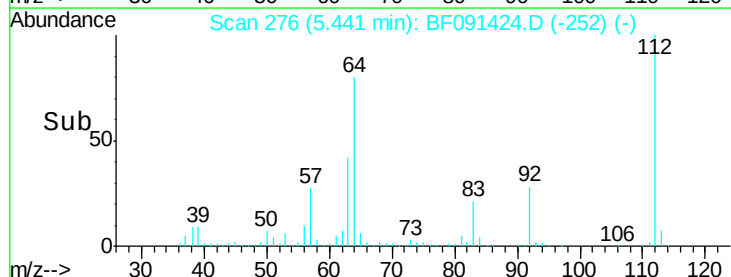
63 42.3 33.3 49.9

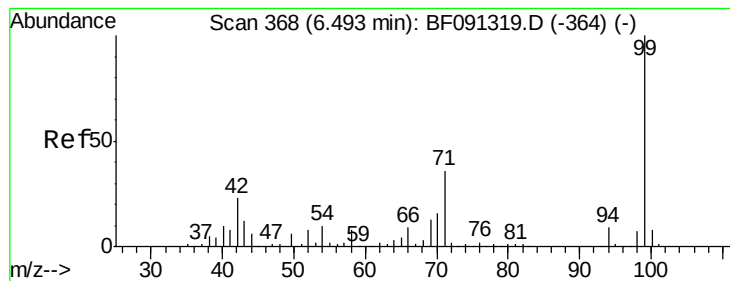


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 41.28 ng

RT: 6.47 min Scan# 366

Delta R.T. -0.03 min

Lab File: BF091424.D

Acq: 5 Dec 2016 18:09

Instrument :

BNA_F

ClientSampleId :

MW-9

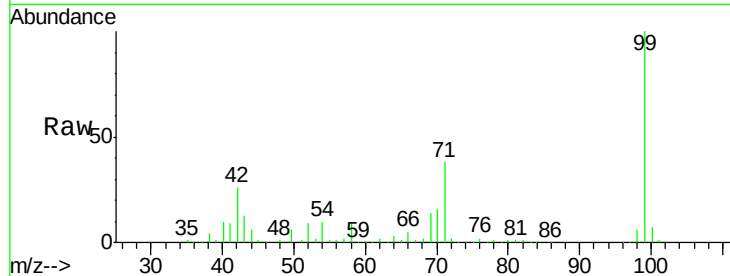
Tgt Ion: 99 Resp: 457961

Ion Ratio Lower Upper

99 100

42 26.1 20.6 31.0

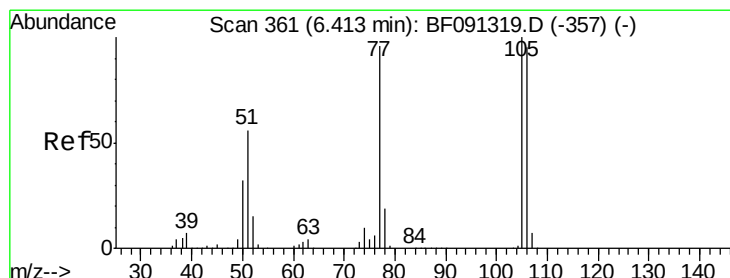
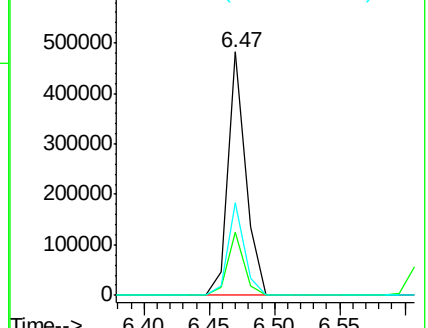
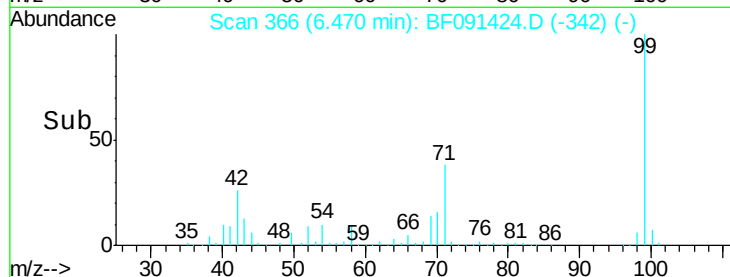
71 38.3 29.9 44.9



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 3.72 ng

RT: 6.62 min Scan# 379

Delta R.T. 0.20 min

Lab File: BF091424.D

Acq: 5 Dec 2016 18:09

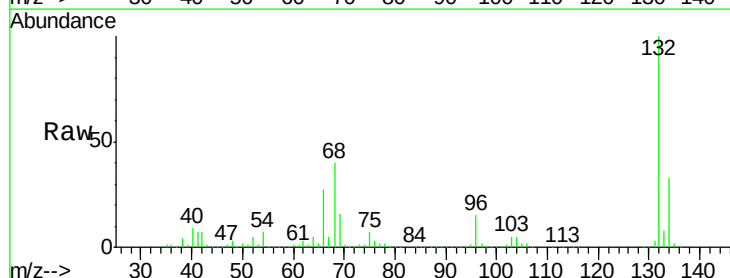
Tgt Ion: 77 Resp: 26565

Ion Ratio Lower Upper

77 100

105 79.1 66.4 106.4

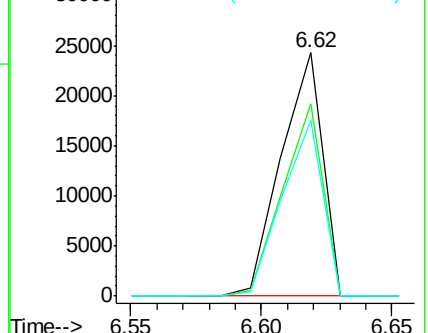
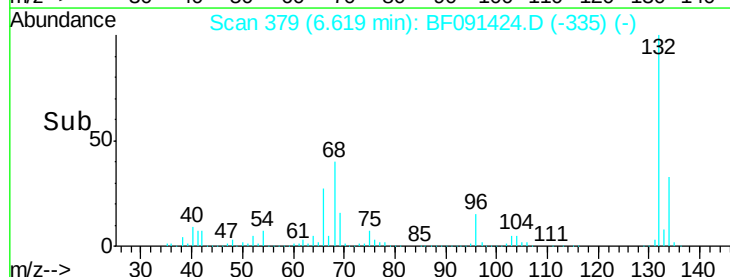
106 72.1 60.9 100.9

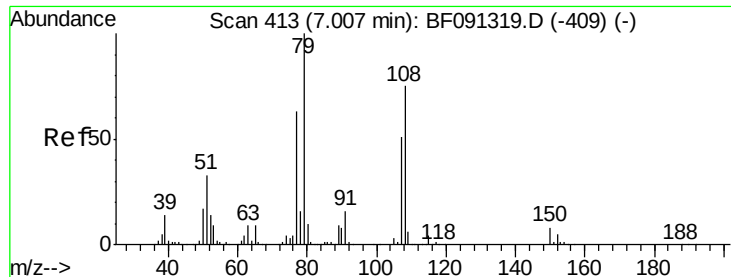


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.23 ng

RT: 7.01 min Scan# 413

Delta R.T. -0.02 min

Lab File: BF091424.D

Acq: 5 Dec 2016 18:09

Instrument :

BNA_F

ClientSampleId :

MW-9

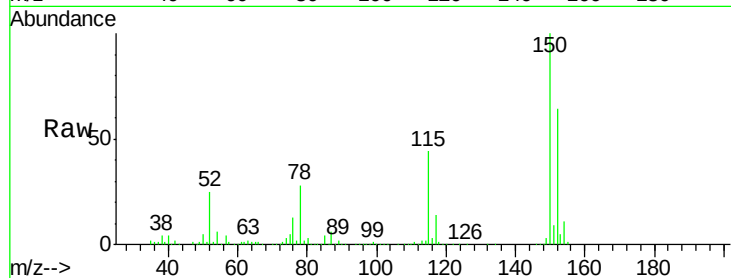
Tgt Ion: 79 Resp: 19805

Ion Ratio Lower Upper

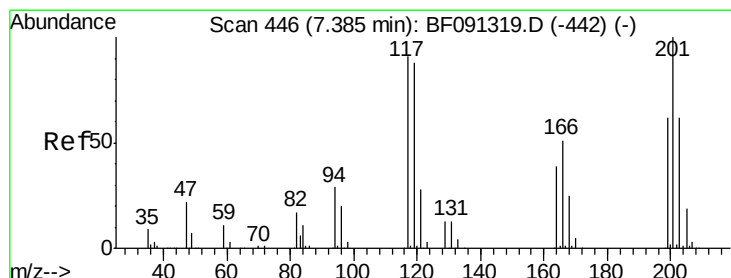
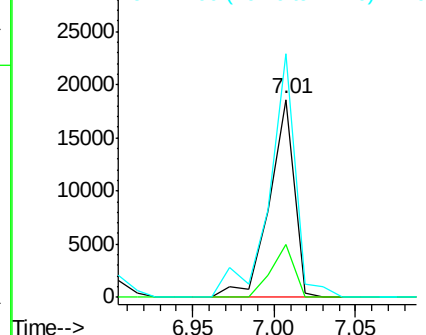
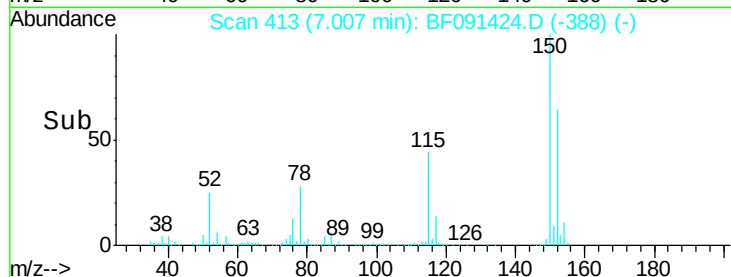
79 100

108 26.9 62.7 94.1#

77 123.1 51.7 77.5#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0



#18

Hexachloroethane

Concen: 8.56 ng

RT: 7.42 min Scan# 449

Delta R.T. 0.02 min

Lab File: BF091424.D

Acq: 5 Dec 2016 18:09

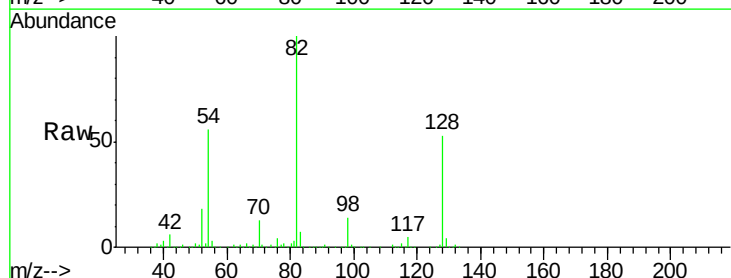
Tgt Ion: 117 Resp: 33236

Ion Ratio Lower Upper

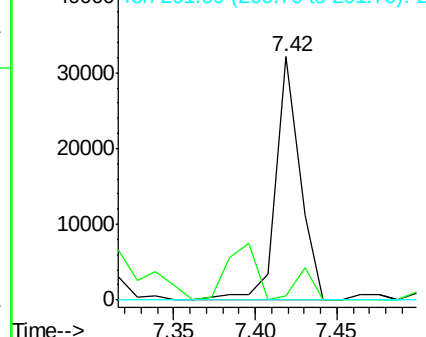
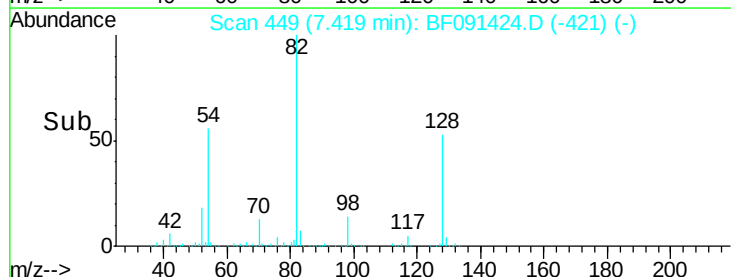
117 100

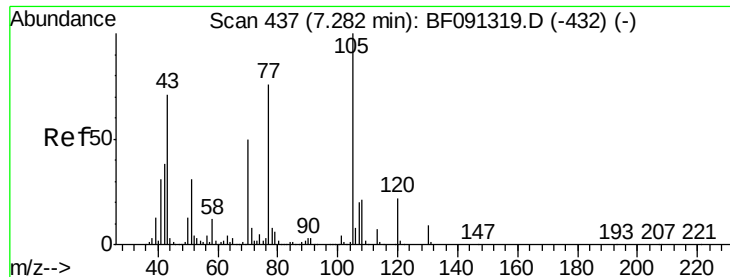
119 1.9 78.6 118.0#

201 0.0 86.7 130.1#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

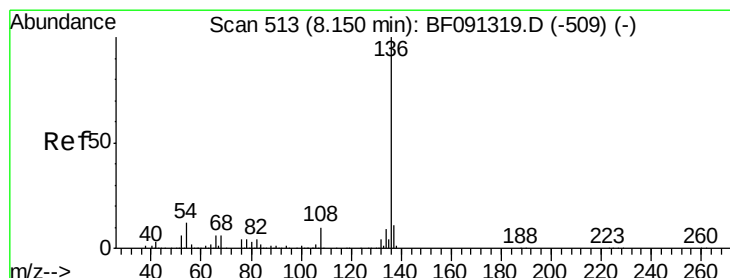
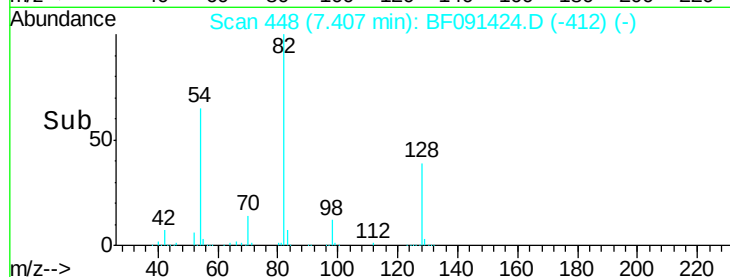
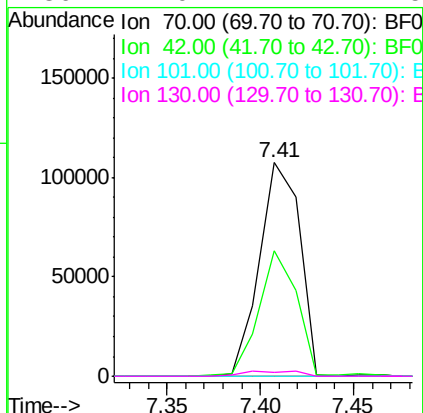
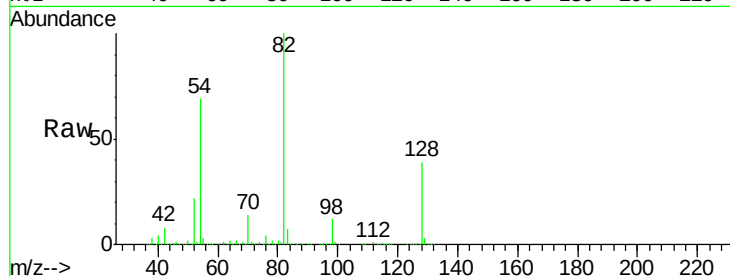




#19
n-Nitroso-di-n-propylamine
Concen: 23.05 ng
RT: 7.41 min Scan# 448
Delta R.T. 0.11 min
Lab File: BF091424.D
Acq: 5 Dec 2016 18:09

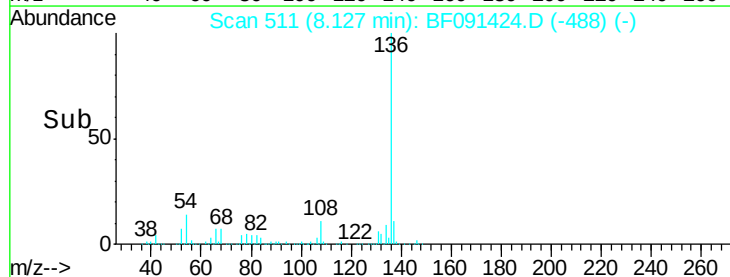
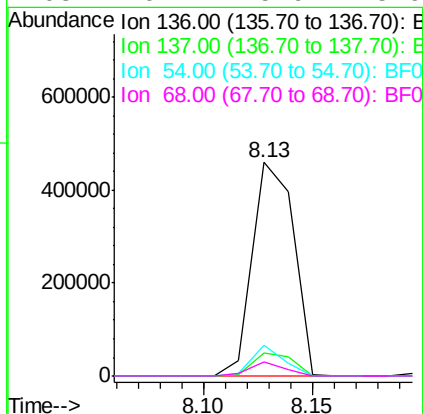
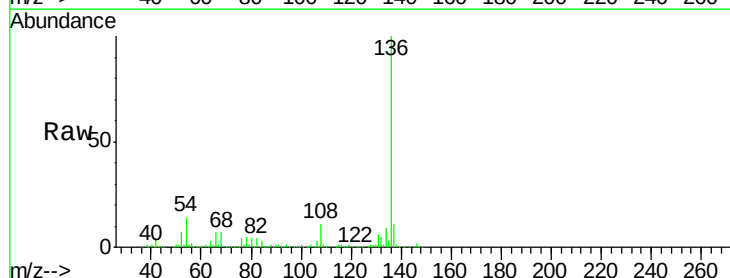
Instrument :
BNA_F
ClientSampleId :
MW-9

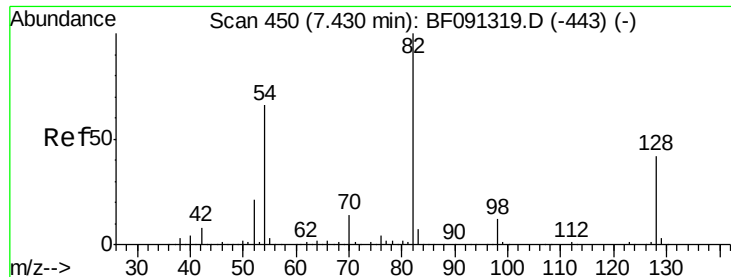
Tgt Ion: 70 Resp: 161080
Ion Ratio Lower Upper
70 100
42 58.6 64.8 97.2#
101 0.0 6.2 9.4#
130 2.0 11.7 17.5#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 511
Delta R.T. -0.04 min
Lab File: BF091424.D
Acq: 5 Dec 2016 18:09

Tgt Ion: 136 Resp: 610782
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 14.4 9.1 13.7#
68 6.7 5.9 8.9

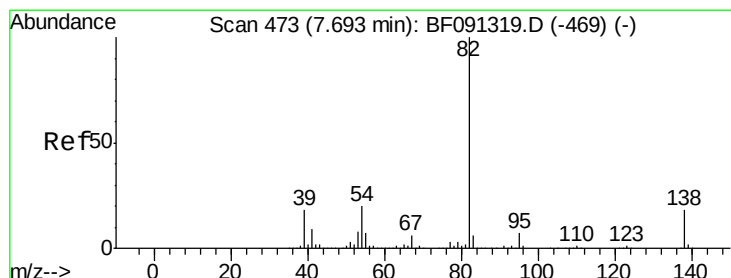
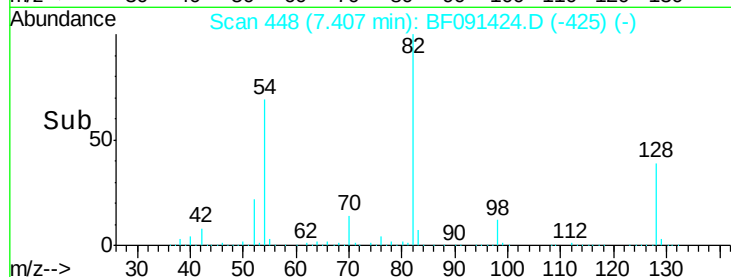
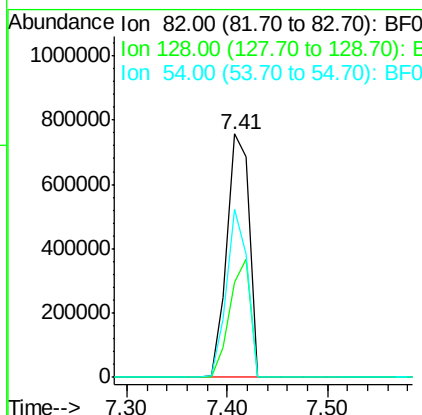
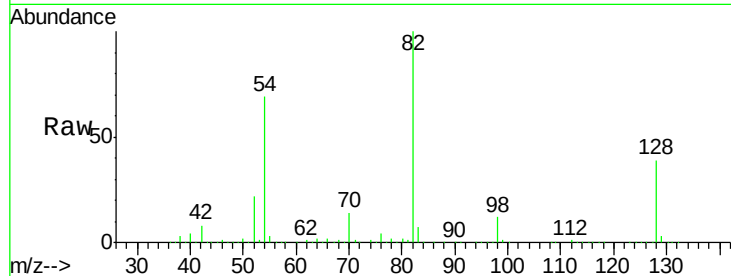




#23
 Nitrobenzene-d5
 Concen: 107.30 ng
 RT: 7.41 min Scan# 448
 Delta R.T. -0.04 min
 Lab File: BF091424.D
 Acq: 5 Dec 2016 18:09

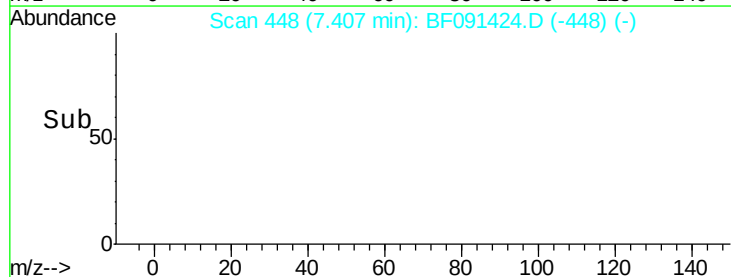
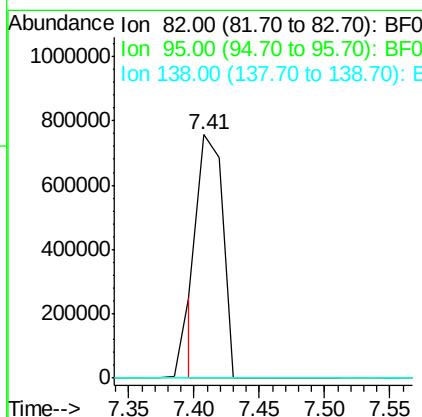
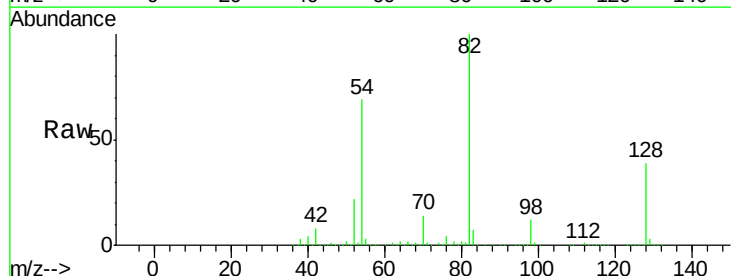
Instrument :
 BNA_F
 ClientSampleId :
 MW-9

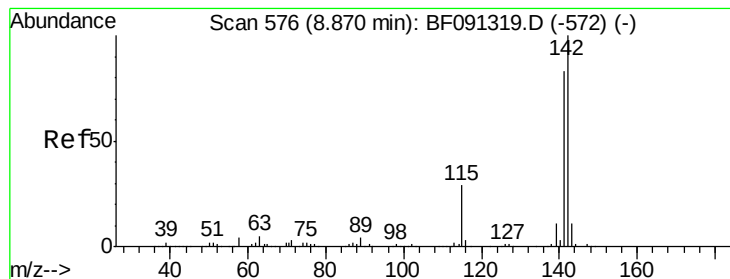
Tgt Ion: 82 Resp: 1169431
 Ion Ratio Lower Upper
 82 100
 128 39.1 31.8 47.6
 54 68.9 49.1 73.7



#25
 Isophorone
 Concen: 51.38 ng
 RT: 7.41 min Scan# 448
 Delta R.T. -0.30 min
 Lab File: BF091424.D
 Acq: 5 Dec 2016 18:09

Tgt Ion: 82 Resp: 992039
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.7 8.5#
 138 0.0 13.4 20.0#





#37

2-Methylnaphthalene

Concen: 14.76 ng

RT: 8.95 min Scan# 583

Delta R.T. 0.07 min

Lab File: BF091424.D

Acq: 5 Dec 2016 18:09

Instrument :

BNA_F

ClientSampleId :

MW-9

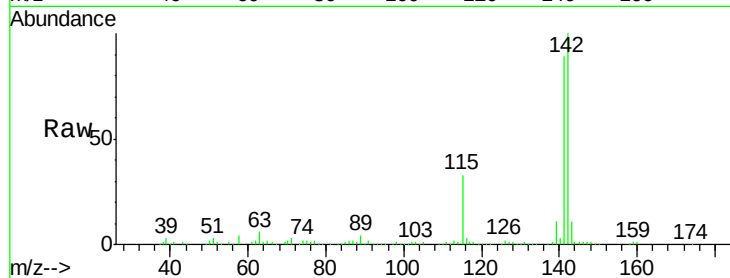
Tgt Ion:142 Resp: 291104

Ion Ratio Lower Upper

142 100

141 88.5 71.7 107.5

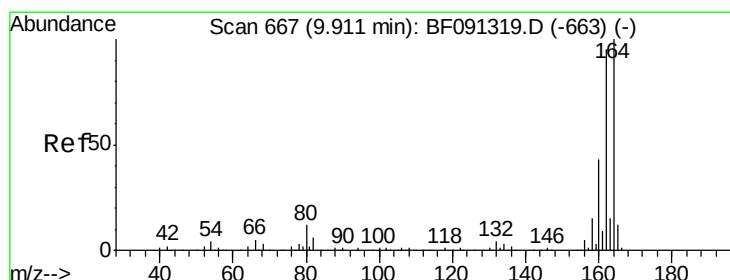
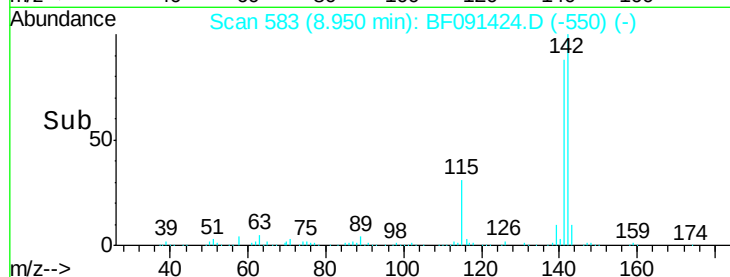
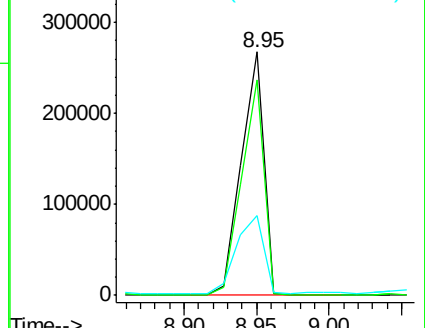
115 32.6 25.0 37.6



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: 9.89 min Scan# 665

Delta R.T. -0.03 min

Lab File: BF091424.D

Acq: 5 Dec 2016 18:09

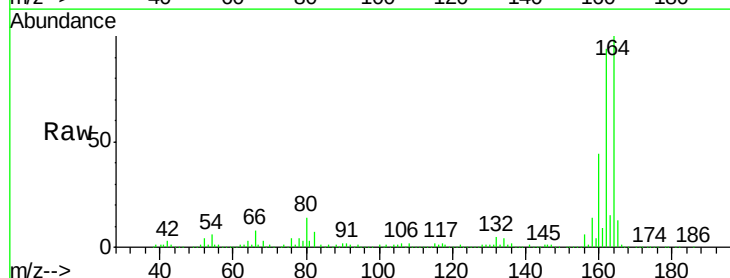
Tgt Ion:164 Resp: 301879

Ion Ratio Lower Upper

164 100

162 94.3 82.6 124.0

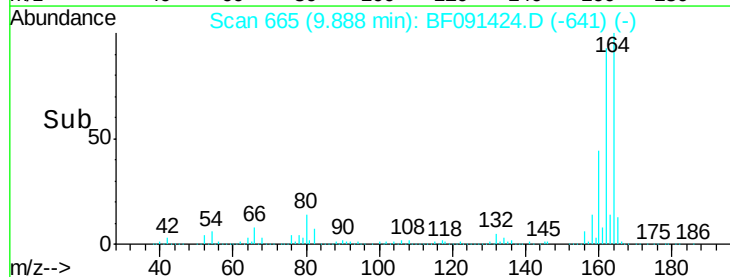
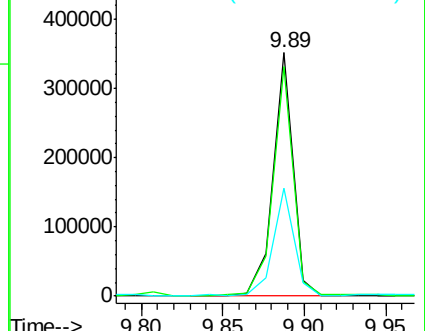
160 44.5 36.7 55.1

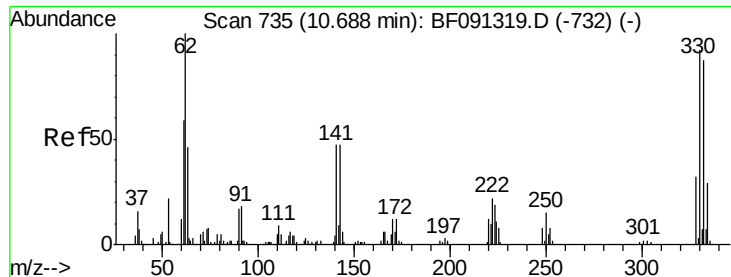


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

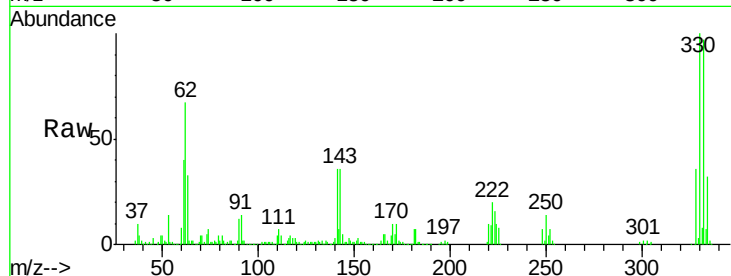




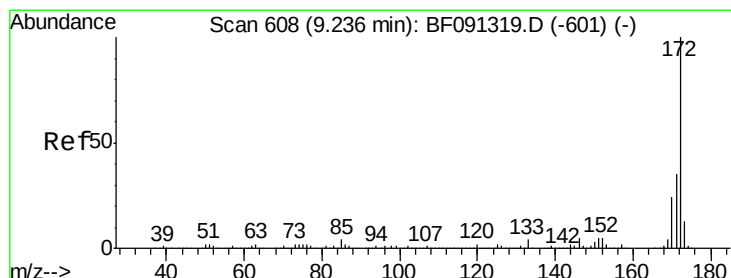
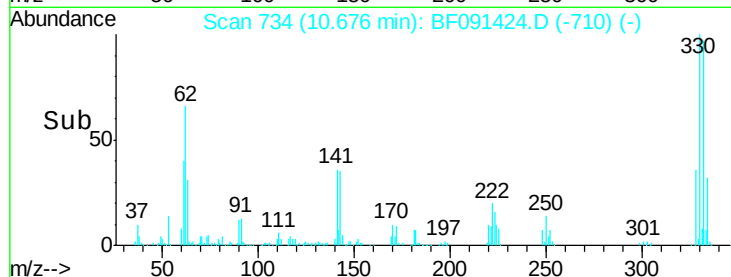
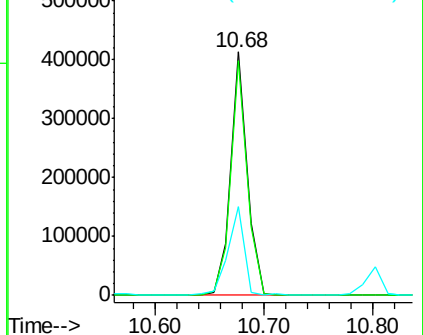
#41
 2,4,6-Tribromophenol
 Concen: 151.81 ng
 RT: 10.68 min Scan# 734
 Delta R.T. -0.03 min
 Lab File: BF091424.D
 Acq: 5 Dec 2016 18:09

Instrument :
 BNA_F
 ClientSampled :
 MW-9

Tgt Ion:330 Resp: 433870
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.2 114.4
 141 35.2 33.6 50.4

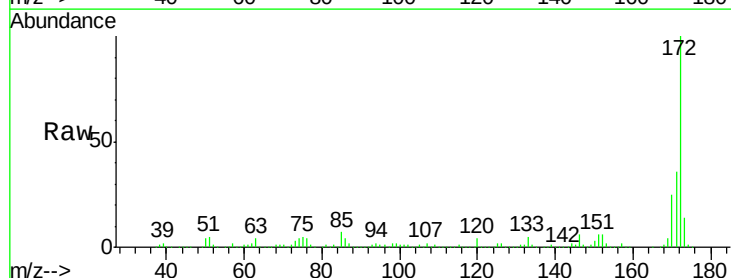


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

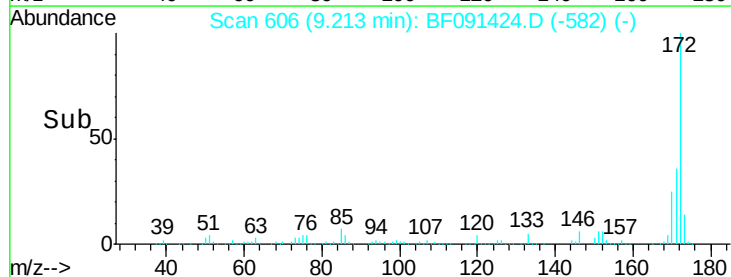
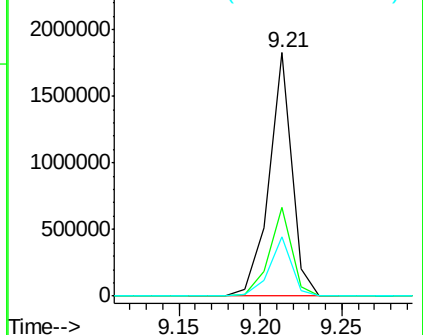


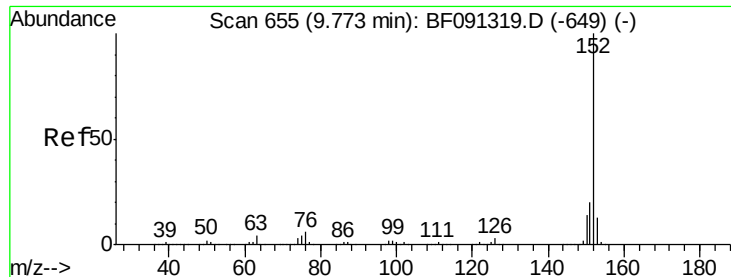
#44
 2-Fluorobiphenyl
 Concen: 106.86 ng
 RT: 9.21 min Scan# 606
 Delta R.T. -0.03 min
 Lab File: BF091424.D
 Acq: 5 Dec 2016 18:09

Tgt Ion:172 Resp: 1781545
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 24.6 19.7 29.5



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





#48

Acenaphthylene

Concen: 3.68 ng

RT: 9.75 min Scan# 653

Delta R.T. -0.03 min

Lab File: BF091424.D

Acq: 5 Dec 2016 18:09

Instrument :

BNA_F

ClientSampled :

MW-9

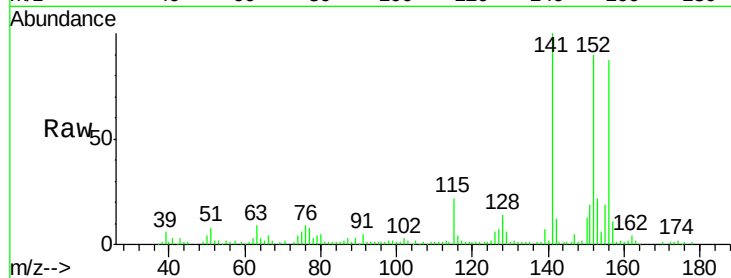
Tgt Ion:152 Resp: 93534

Ion Ratio Lower Upper

152 100

151 20.9 16.6 24.8

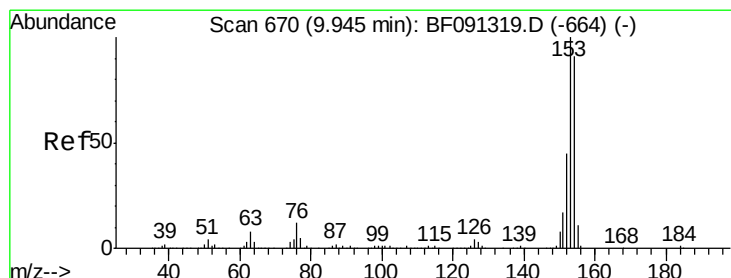
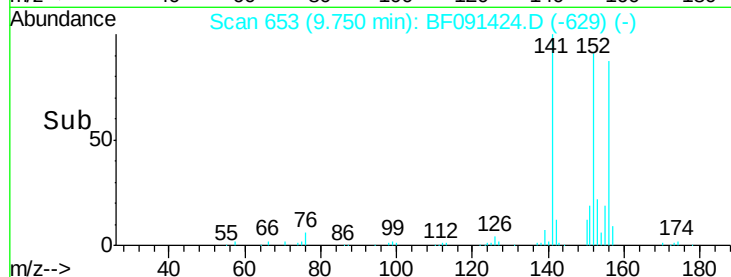
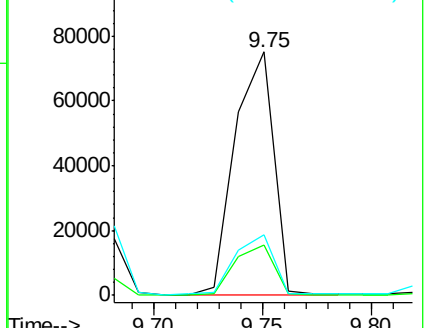
153 24.9 10.7 16.1#



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: 32.62 ng

RT: 9.92 min Scan# 668

Delta R.T. -0.03 min

Lab File: BF091424.D

Acq: 5 Dec 2016 18:09

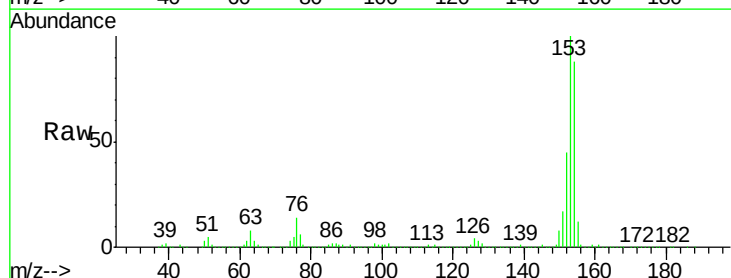
Tgt Ion:154 Resp: 559861

Ion Ratio Lower Upper

154 100

153 113.3 91.0 136.6

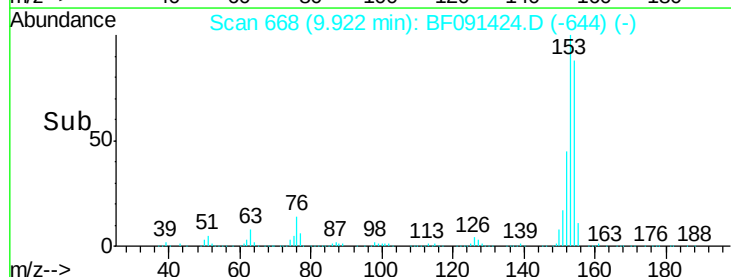
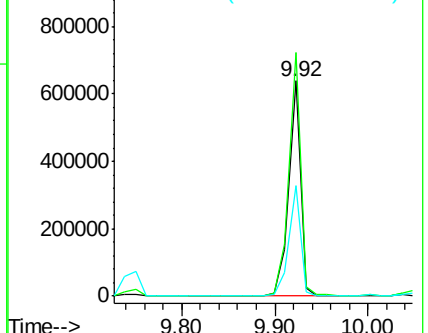
152 51.4 44.2 66.2

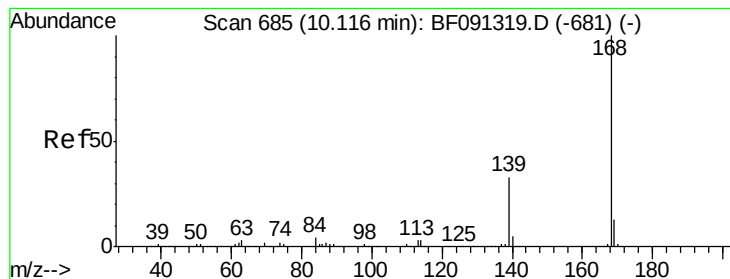


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 7.33 ng

RT: 10.09 min Scan# 683

Delta R.T. -0.03 min

Lab File: BF091424.D

Acq: 5 Dec 2016 18:09

Instrument :

BNA_F

ClientSampleId :

MW-9

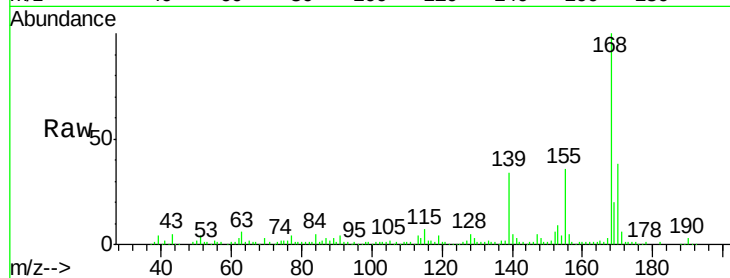
Tgt Ion:168 Resp: 168442

Ion Ratio Lower Upper

168 100

139 34.4 33.4 50.2

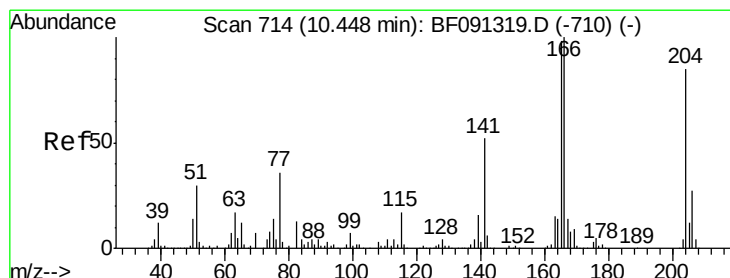
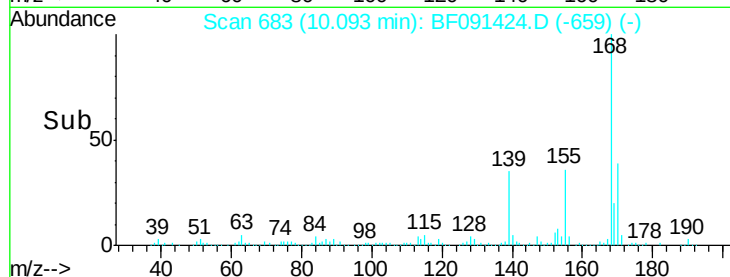
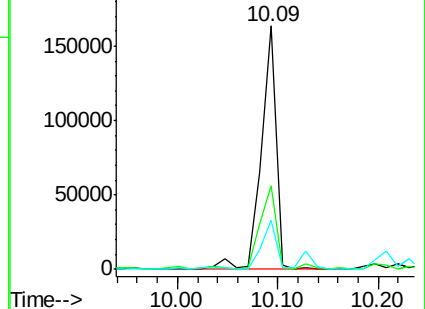
169 20.0 11.1 16.7#



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: 37.64 ng

RT: 10.44 min Scan# 713

Delta R.T. -0.03 min

Lab File: BF091424.D

Acq: 5 Dec 2016 18:09

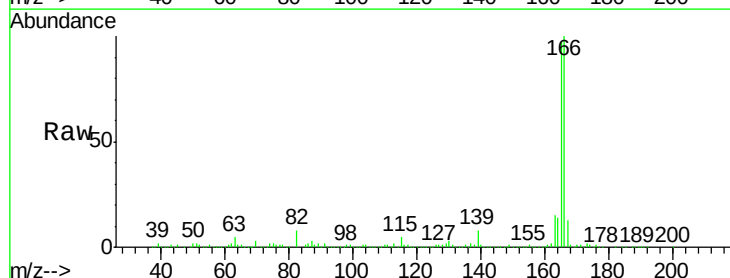
Tgt Ion:166 Resp: 664085

Ion Ratio Lower Upper

166 100

165 97.5 80.0 120.0

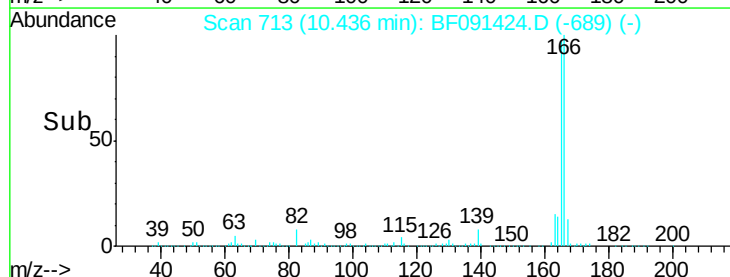
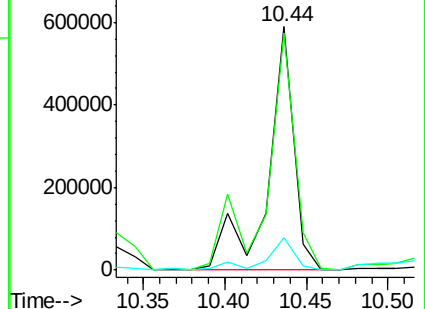
167 13.3 10.8 16.2

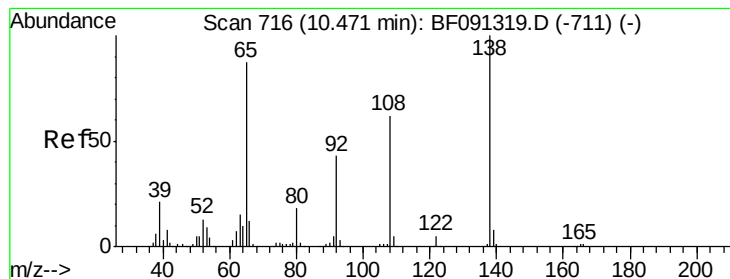


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#61

4-Nitroaniline

Concen: 2.24 ng

RT: 10.44 min Scan# 713

Delta R.T. -0.04 min

Lab File: BF091424.D

Acq: 5 Dec 2016 18:09

Instrument :

BNA_F

ClientSampleId :

MW-9

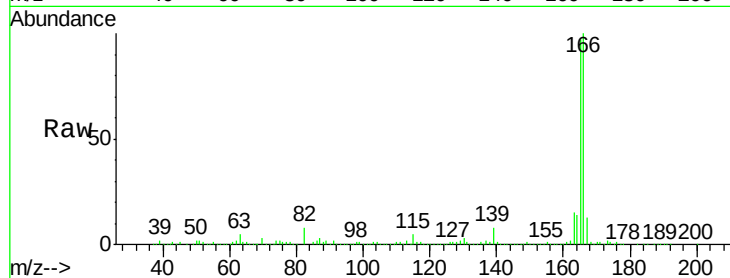
Tgt Ion:138 Resp: 9939

Ion Ratio Lower Upper

138 100

92 19.8 26.9 66.9#

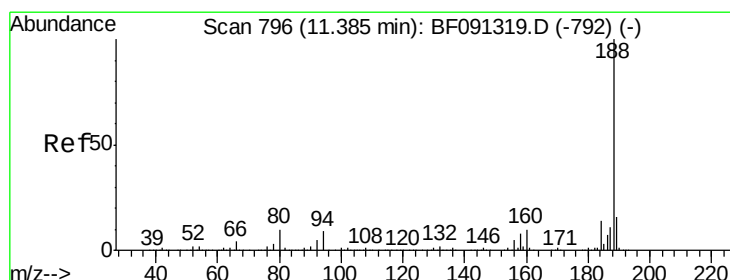
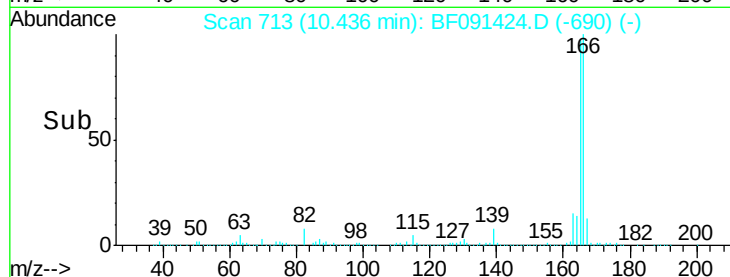
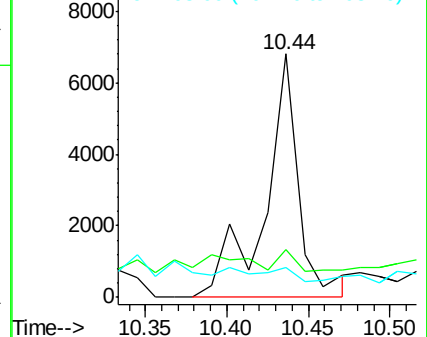
108 12.2 49.1 89.1#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 795

Delta R.T. -0.03 min

Lab File: BF091424.D

Acq: 5 Dec 2016 18:09

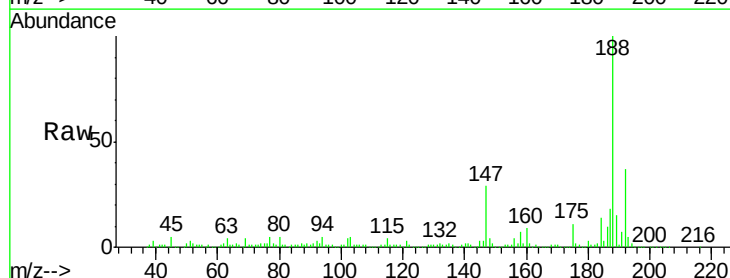
Tgt Ion:188 Resp: 538702

Ion Ratio Lower Upper

188 100

94 5.0 9.2 13.8#

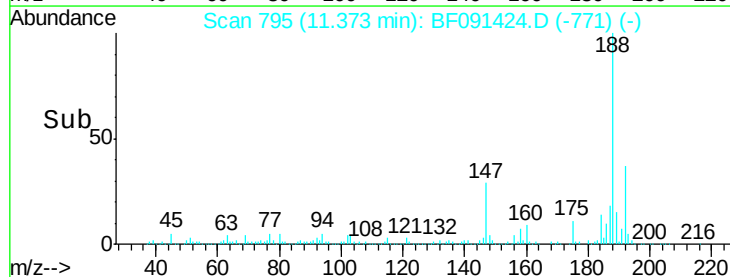
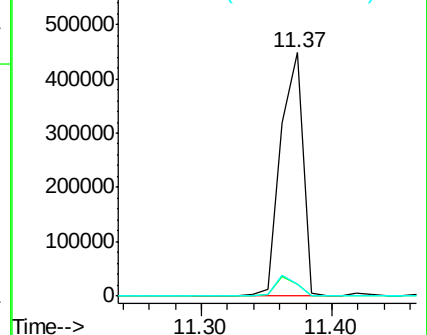
80 4.9 10.5 15.7#

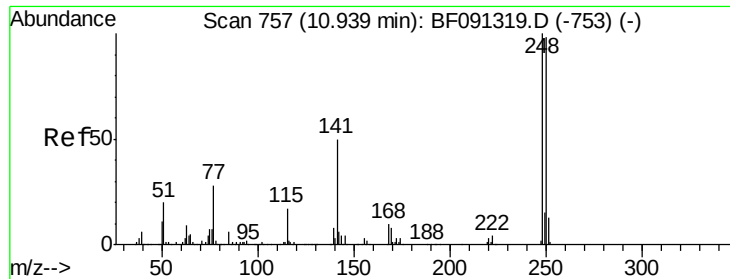


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

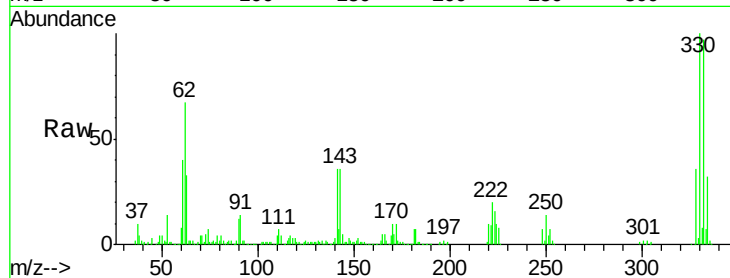




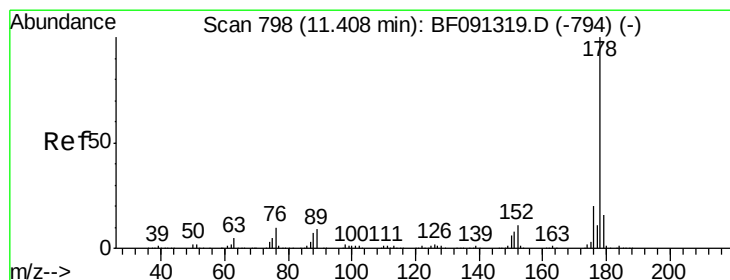
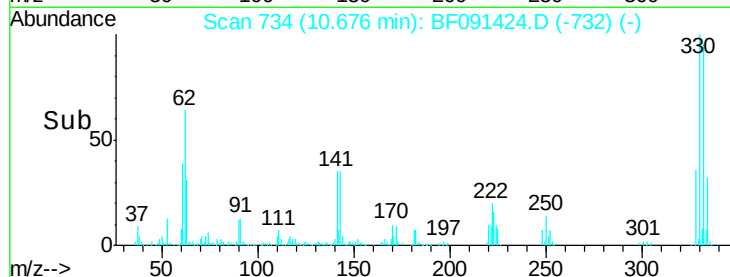
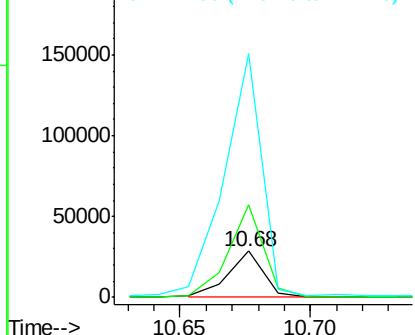
#66
4-Bromophenyl-phenylether
Concen: 4.62 ng
RT: 10.68 min Scan# 734
Delta R.T. -0.28 min
Lab File: BF091424.D
Acq: 5 Dec 2016 18:09

Instrument :
BNA_F
ClientSampleId :
MW-9

Tgt Ion:248 Resp: 26766
Ion Ratio Lower Upper
248 100
250 199.8 78.2 117.4#
141 528.0 71.9 107.9#

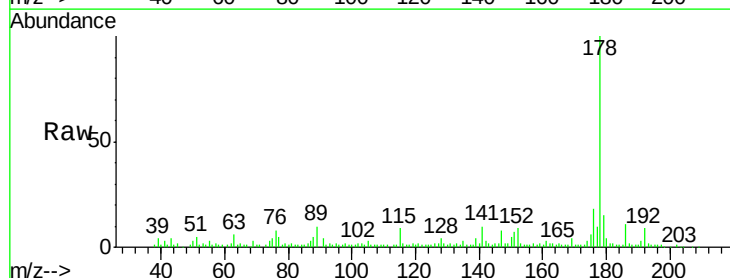


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

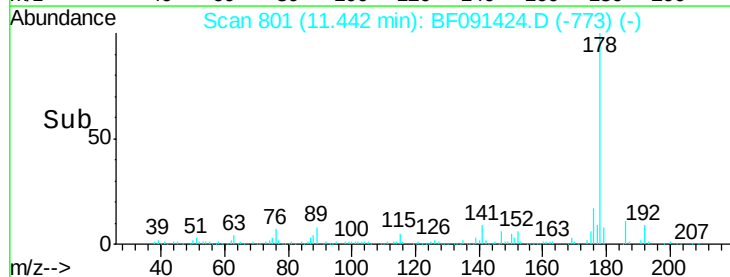
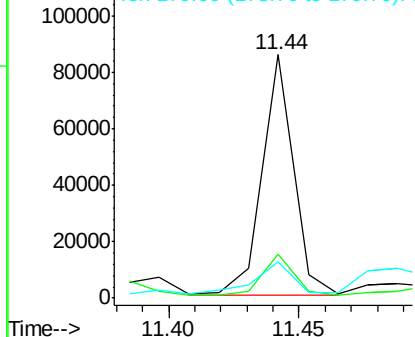


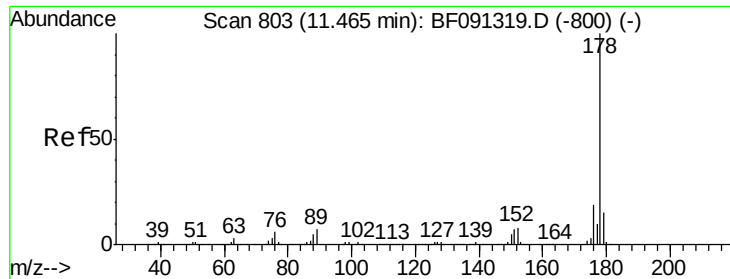
#70
Phenanthrene
Concen: 2.53 ng
RT: 11.44 min Scan# 801
Delta R.T. 0.02 min
Lab File: BF091424.D
Acq: 5 Dec 2016 18:09

Tgt Ion:178 Resp: 70862
Ion Ratio Lower Upper
178 100
176 18.1 15.9 23.9
179 15.1 12.6 18.8



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

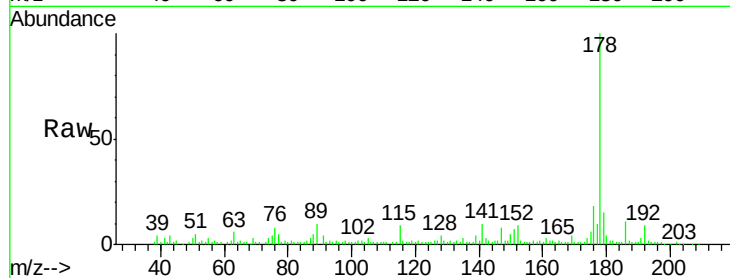




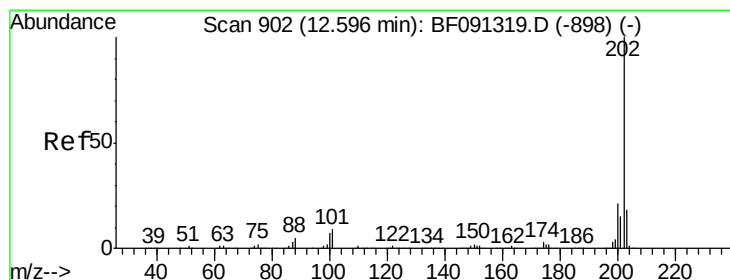
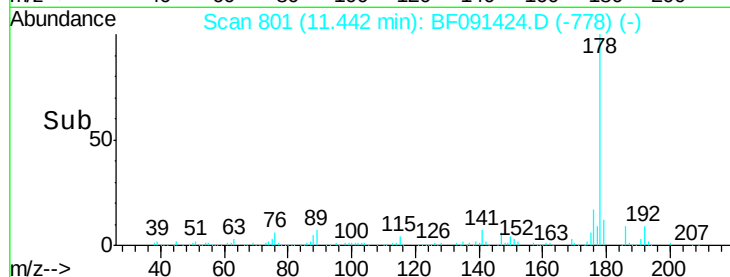
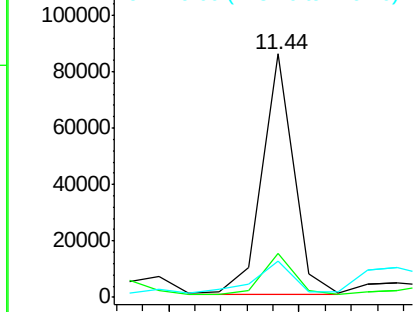
#71
 Anthracene
 Concen: 2.55 ng
 RT: 11.44 min Scan# 801
 Delta R.T. -0.04 min
 Lab File: BF091424.D
 Acq: 5 Dec 2016 18:09

Instrument :
 BNA_F
 ClientSampleId :
 MW-9

Tgt Ion:178 Resp: 70862
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.8 23.6
 179 15.1 12.7 19.1

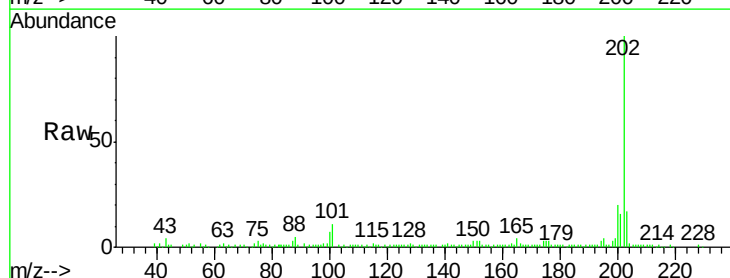


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

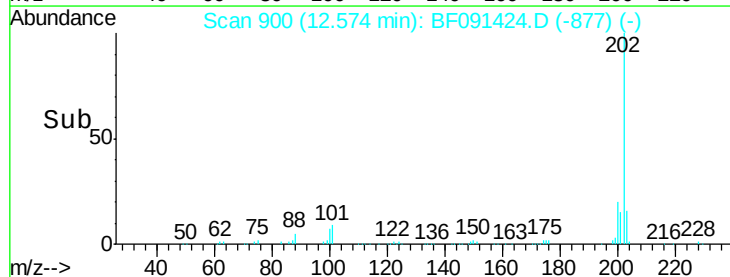
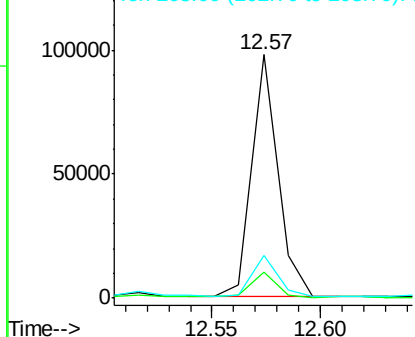


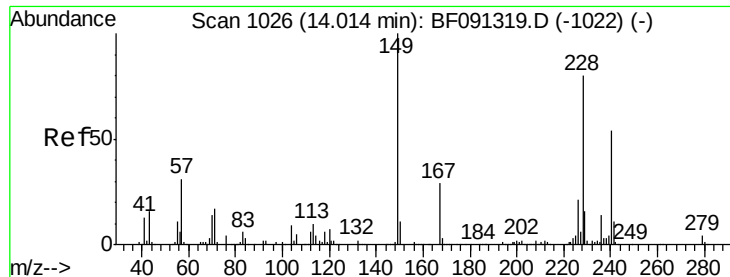
#74
 Fluoranthene
 Concen: 3.09 ng
 RT: 12.57 min Scan# 900
 Delta R.T. -0.04 min
 Lab File: BF091424.D
 Acq: 5 Dec 2016 18:09

Tgt Ion:202 Resp: 81991
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 29.5
 203 17.3 0.0 37.8



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: 14.00 min Scan# 1025

Delta R.T. -0.04 min

Lab File: BF091424.D

Acq: 5 Dec 2016 18:09

Instrument :

BNA_F

ClientSampleId :

MW-9

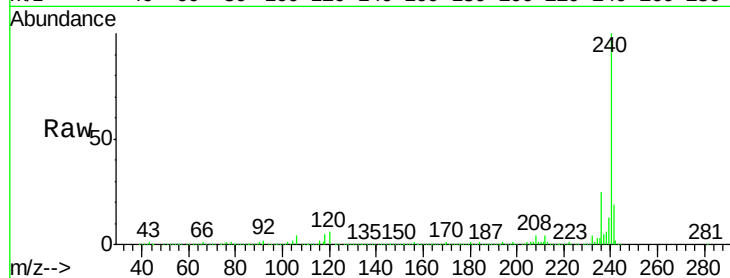
Tgt Ion:240 Resp: 479183

Ion Ratio Lower Upper

240 100

120 6.3 12.1 18.1#

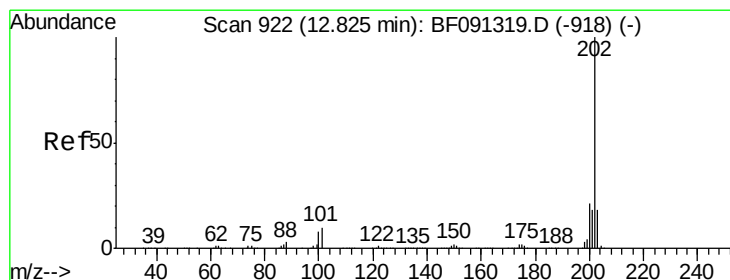
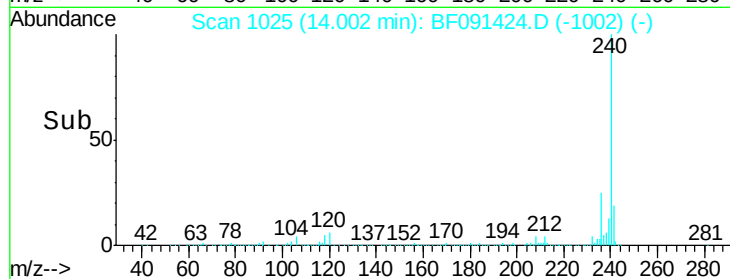
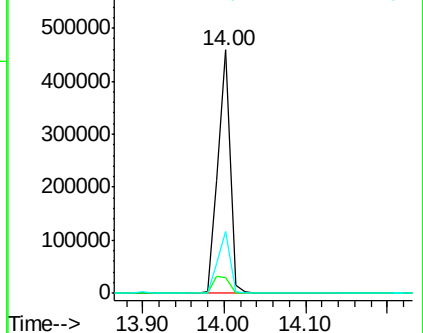
236 25.5 21.0 31.6



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

Pyrene

Concen: 2.96 ng

RT: 12.80 min Scan# 920

Delta R.T. -0.04 min

Lab File: BF091424.D

Acq: 5 Dec 2016 18:09

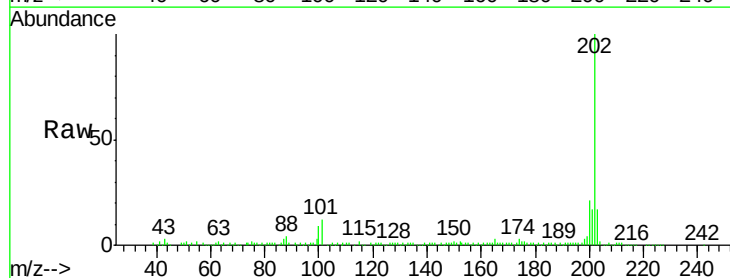
Tgt Ion:202 Resp: 107561

Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

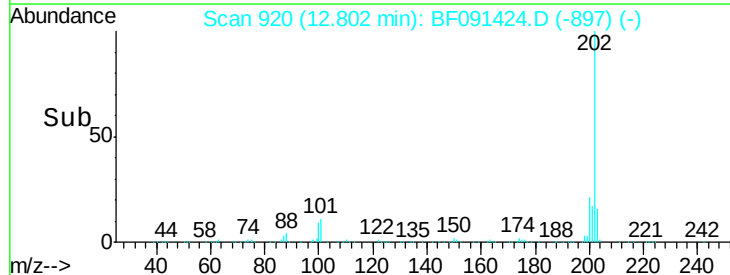
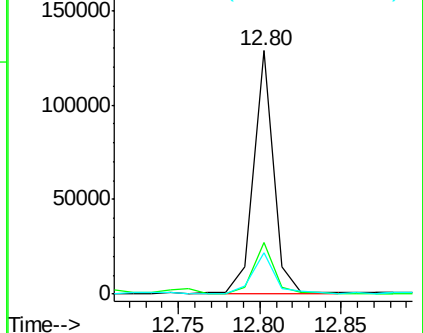
203 17.1 14.0 21.0

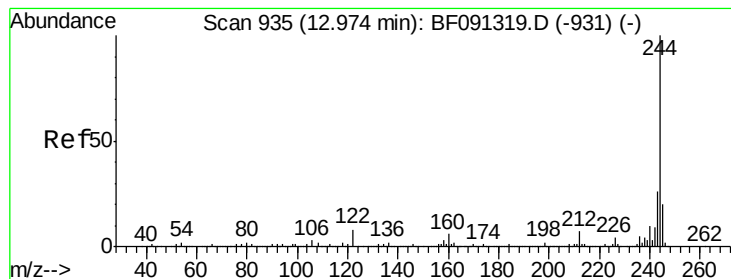


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 94.35 ng

RT: 12.96 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF091424.D

Acq: 5 Dec 2016 18:09

Instrument :

BNA_F

ClientSampleId :

MW-9

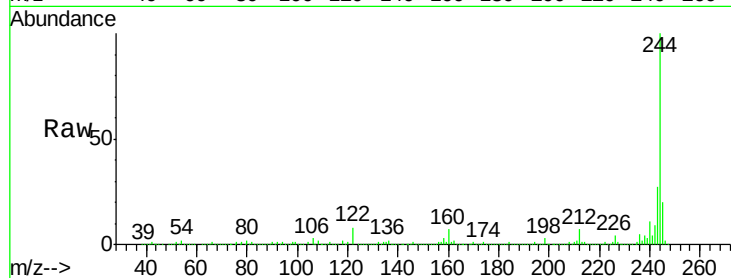
Tgt Ion:244 Resp: 2080038

Ion Ratio Lower Upper

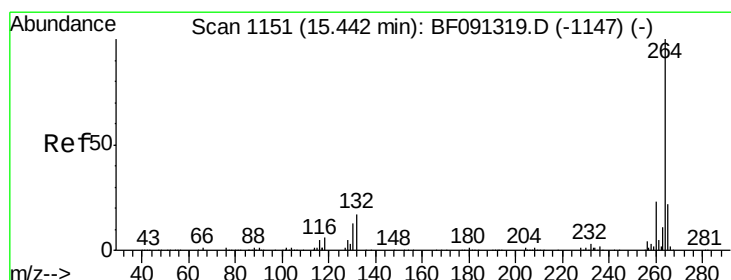
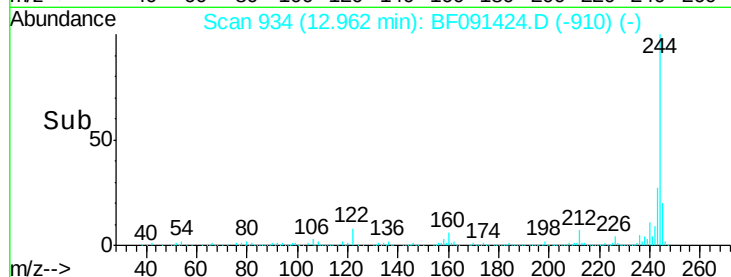
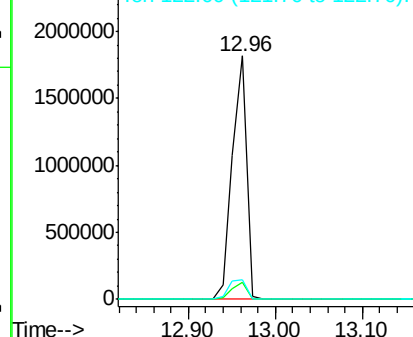
244 100

212 7.2 6.5 9.7

122 7.9 9.5 14.3#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.42 min Scan# 1149

Delta R.T. -0.05 min

Lab File: BF091424.D

Acq: 5 Dec 2016 18:09

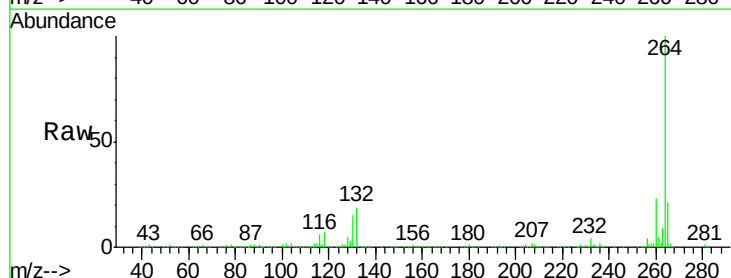
Tgt Ion:264 Resp: 356716

Ion Ratio Lower Upper

264 100

260 23.4 18.8 28.2

265 21.3 17.0 25.6



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

