

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121916\
 Data File : BF091799.D
 Acq On : 20 Dec 2016 3:15
 Operator : UM/SJ
 Sample : H6165-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SBW-2

Quant Time: Dec 20 05:59:56 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 17 22:53:54 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	242331	20.00	ng	-0.01
21) Naphthalene-d8	8.04	136	840409	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	437815	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	652460	20.00	ng	0.00
75) Chrysene-d12	13.91	240	549809	20.00	ng	-0.02
86) Perylene-d12	15.31	264	472327	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	875343	60.52	ng	0.00
7) Phenol-d6	6.40	99	657942	37.30	ng	-0.02
23) Nitrobenzene-d5	7.32	82	1322148	90.72	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	338809	91.26	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	2027962	93.06	ng	-0.01
78) Terphenyl-d14	12.87	244	1517248	69.68	ng	-0.01

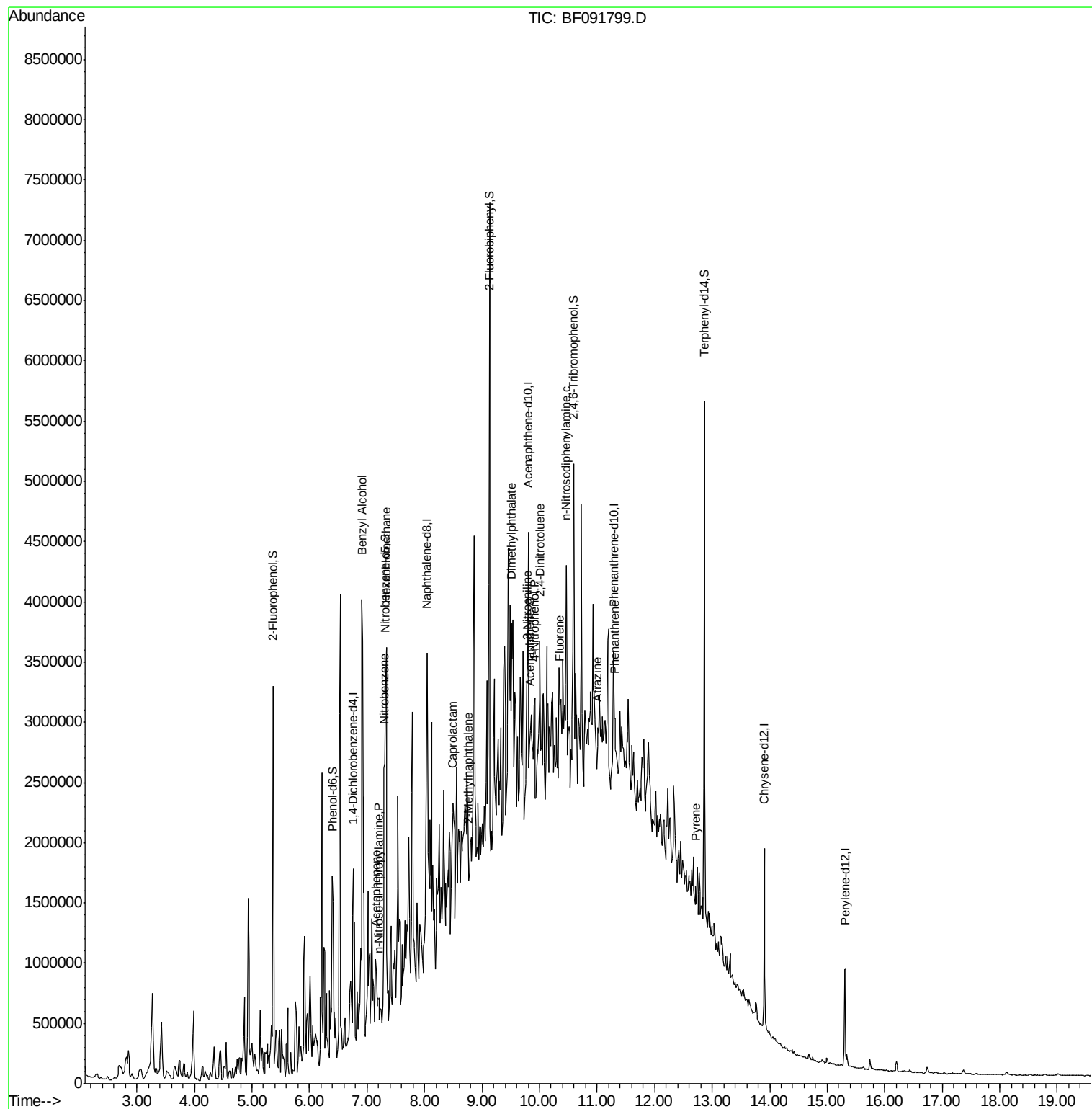
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.30	77	4669	Below Cal	#	35
15) Benzyl Alcohol	6.91	79	35370	2.59 ng	#	48
18) Hexachloroethane	7.33	117	590519	89.84 ng	#	4
19) n-Nitroso-di-n-propylamine	7.21	70	24848	2.12 ng	#	63
22) Acetophenone	7.16	105	44701	2.20 ng	#	38
24) Nitrobenzene	7.30	77	108111	6.91 ng	#	28
35) Caprolactam	8.49	113	33887	9.27 ng	#	1
37) 2-Methylnaphthalene	8.76	142	132680	5.24 ng	#	99
49) Dimethylphthalate	9.52	163	158868	5.56 ng	#	74
51) Acenaphthene	9.84	154	65335	2.62 ng	#	72
52) 3-Nitroaniline	9.78	138	16199	2.08 ng	#	33
55) 4-Nitrophenol	9.90	139	25578	4.72 ng	#	13
56) 2,4-Dinitrotoluene	10.01	165	20518	2.62 ng	#	65
57) Fluorene	10.35	166	125796	5.46 ng	#	88
65) n-Nitrosodiphenylamine	10.46	169	218000	10.76 ng	#	47
68) Atrazine	11.00	200	24286	3.97 ng	#	51
70) Phenanthrene	11.31	178	258997	7.94 ng	#	88
77) Pyrene	12.72	202	126292	3.18 ng	#	93

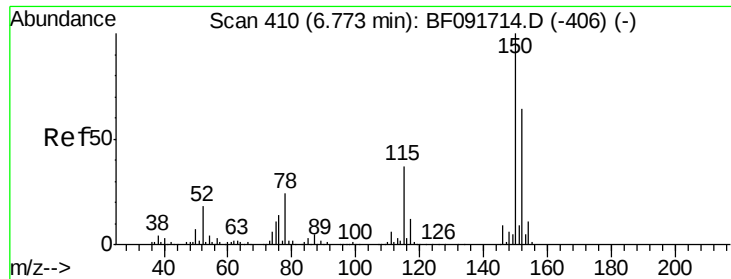
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF091799.D

Acq: 20 Dec 2016 3:15

Instrument :

BNA_F

ClientSampleId :

SBW-2

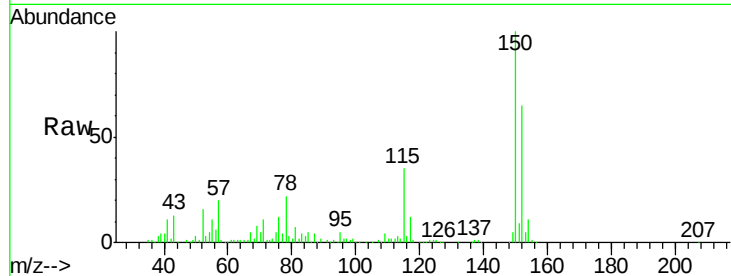
Tgt Ion:152 Resp: 242331

Ion Ratio Lower Upper

152 100

150 153.2 124.9 187.3

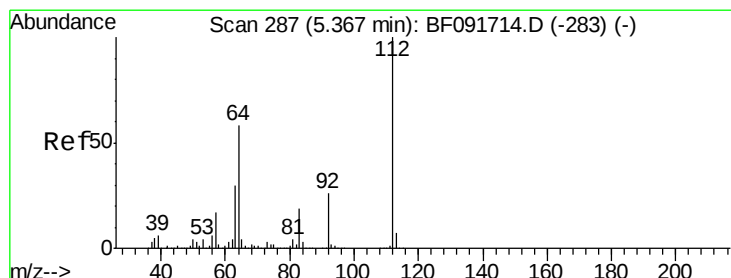
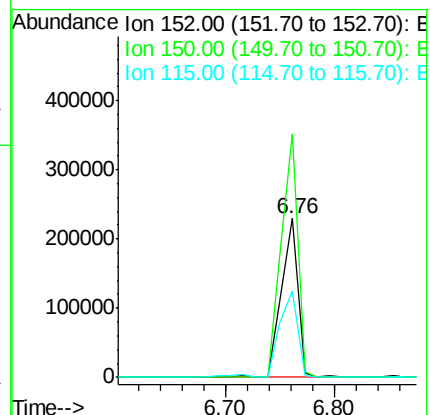
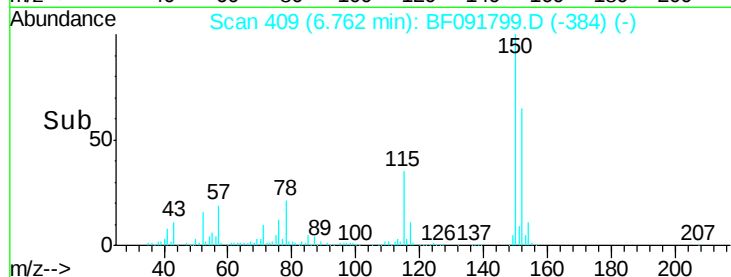
115 54.2 46.0 69.0



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: 60.52 ng

RT: 5.37 min Scan# 287

Delta R.T. 0.00 min

Lab File: BF091799.D

Acq: 20 Dec 2016 3:15

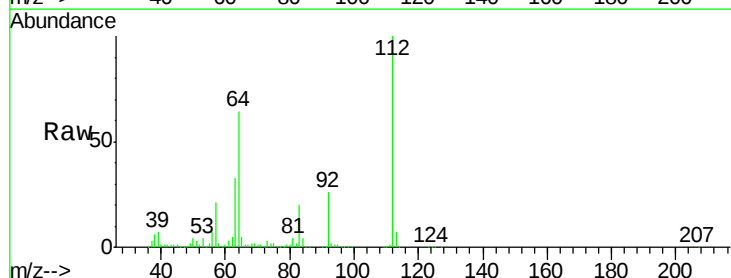
Tgt Ion:112 Resp: 875343

Ion Ratio Lower Upper

112 100

64 63.6 46.1 69.1

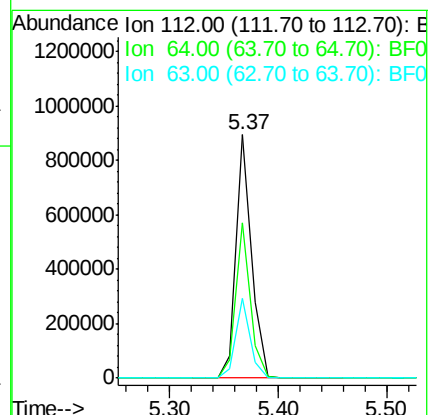
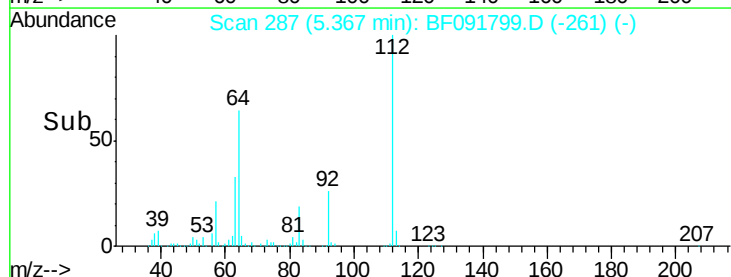
63 32.6 23.8 35.6

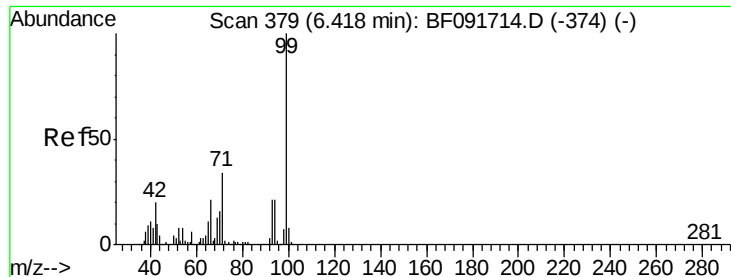


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 37.30 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF091799.D

Acq: 20 Dec 2016 3:15

Instrument :

BNA_F

ClientSampleId :

SBW-2

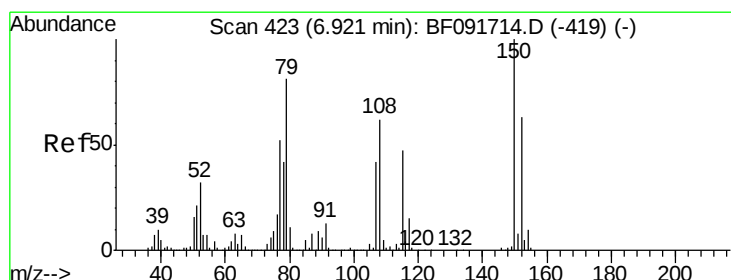
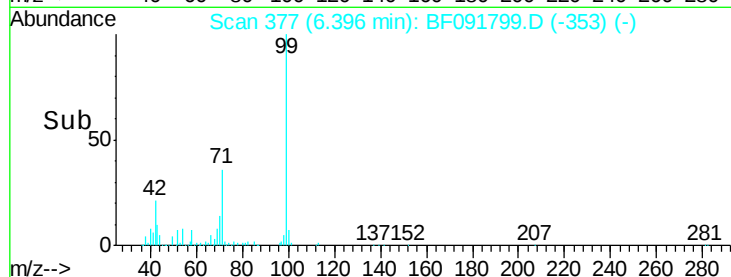
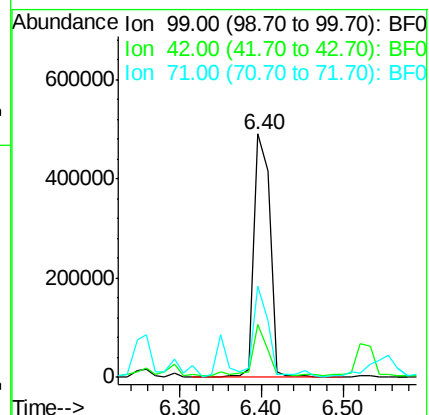
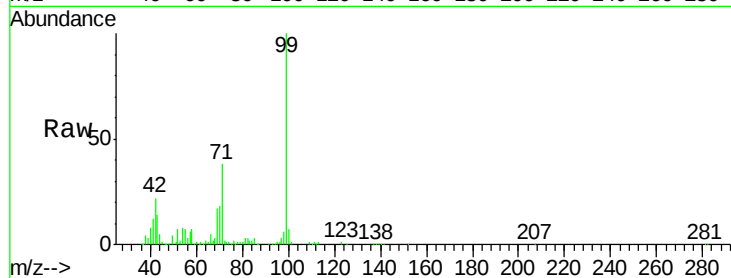
Tgt Ion: 99 Resp: 657942

Ion Ratio Lower Upper

99 100

42 21.8 15.6 23.4

71 37.6 27.5 41.3



#15

Benzyl Alcohol

Concen: 2.59 ng

RT: 6.91 min Scan# 422

Delta R.T. -0.01 min

Lab File: BF091799.D

Acq: 20 Dec 2016 3:15

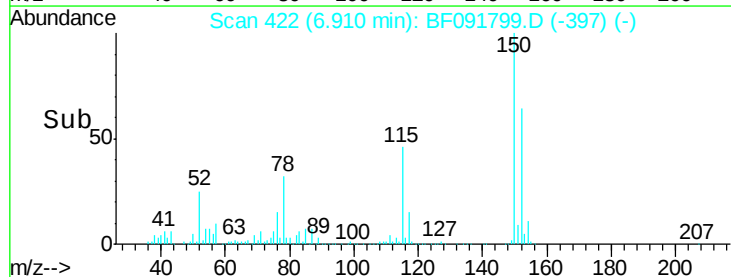
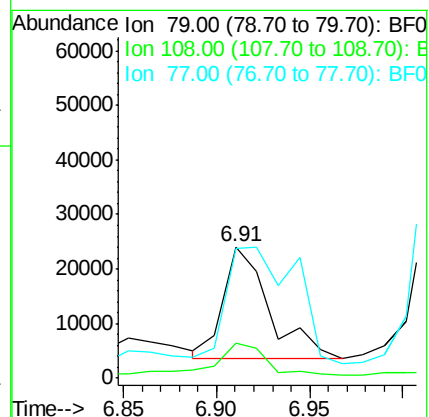
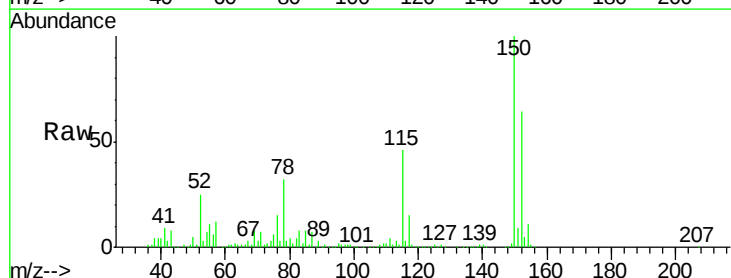
Tgt Ion: 79 Resp: 35370

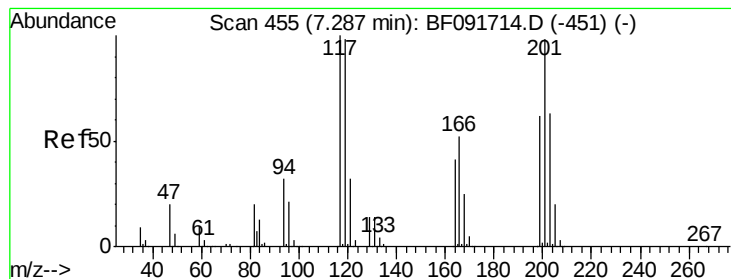
Ion Ratio Lower Upper

79 100

108 26.6 61.4 92.0#

77 99.1 50.9 76.3#





#18

Hexachloroethane

Concen: 89.84 ng

RT: 7.33 min Scan# 459

Delta R.T. 0.05 min

Lab File: BF091799.D

Acq: 20 Dec 2016 3:15

Instrument :

BNA_F

ClientSampleId :

SBW-2

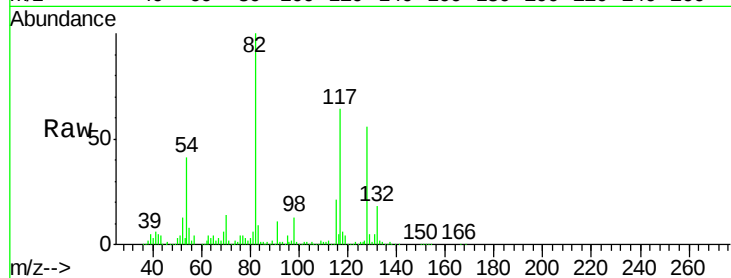
Tgt Ion: 117 Resp: 590519

Ion Ratio Lower Upper

117 100

119 7.0 78.1 117.1#

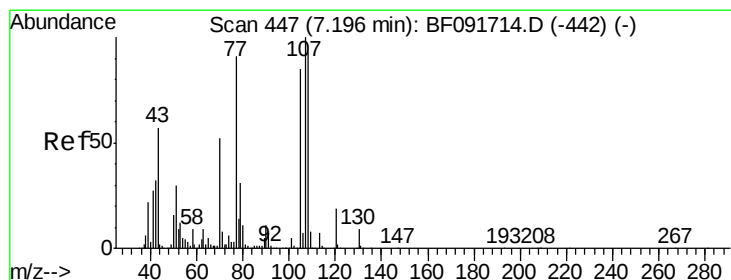
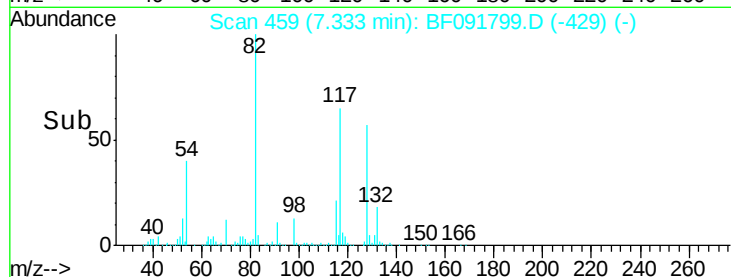
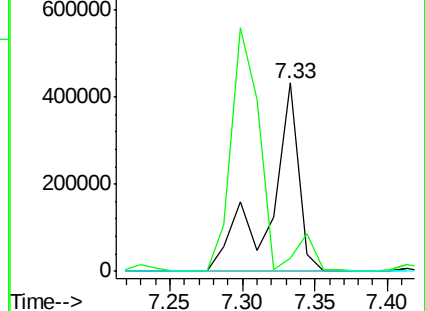
201 0.0 78.6 117.8#



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: 2.12 ng

RT: 7.21 min Scan# 448

Delta R.T. 0.01 min

Lab File: BF091799.D

Acq: 20 Dec 2016 3:15

Tgt Ion: 70 Resp: 24848

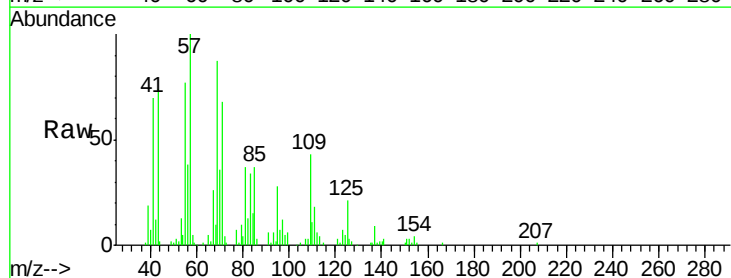
Ion Ratio Lower Upper

70 100

42 32.4 49.4 74.0#

101 0.0 7.4 11.2#

130 0.0 14.2 21.4#

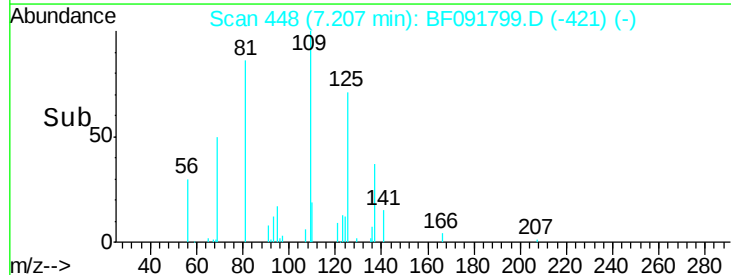
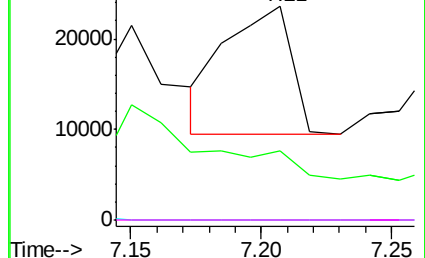


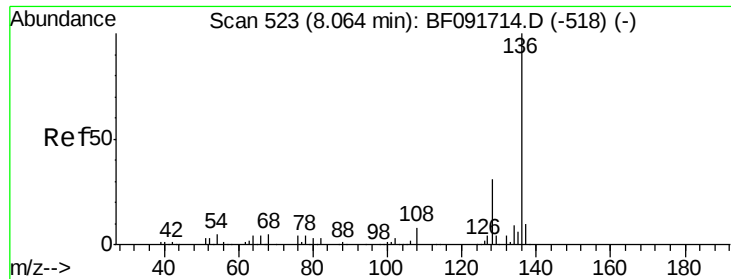
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.02 min

Lab File: BF091799.D

Acq: 20 Dec 2016 3:15

Instrument :

BNA_F

ClientSampleId :

SBW-2

Tgt Ion:136 Resp: 840409

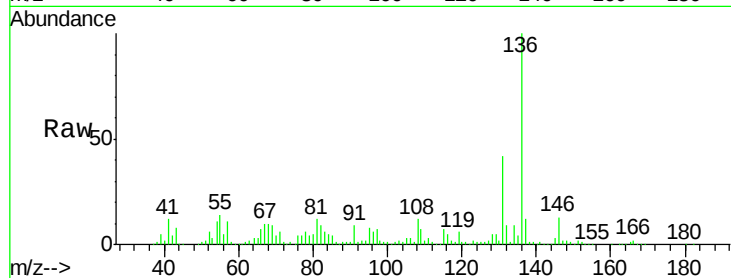
Ion Ratio Lower Upper

136 100

137 12.3 8.4 12.6

54 11.0 4.5 6.7#

68 9.5 3.6 5.4#

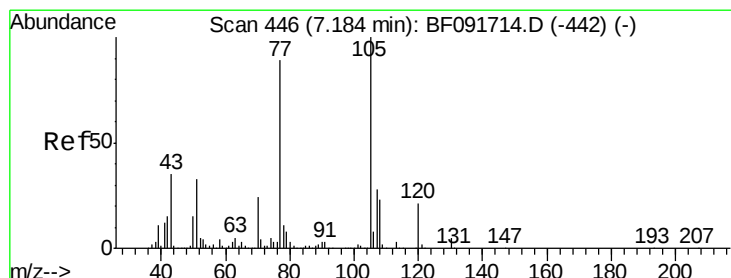
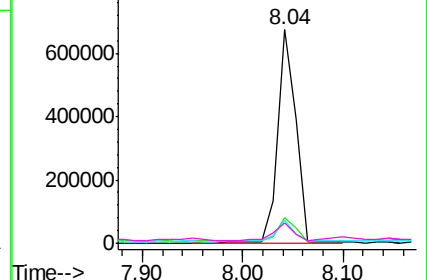
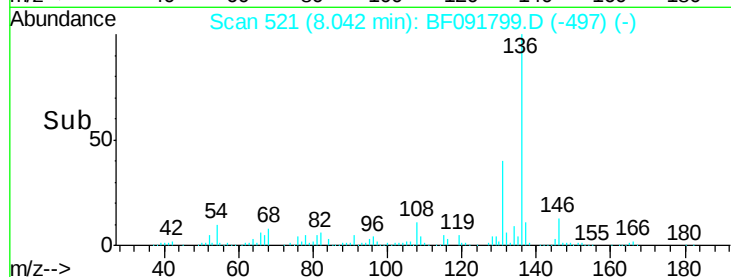


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 2.20 ng

RT: 7.16 min Scan# 444

Delta R.T. -0.02 min

Lab File: BF091799.D

Acq: 20 Dec 2016 3:15

Tgt Ion:105 Resp: 44701

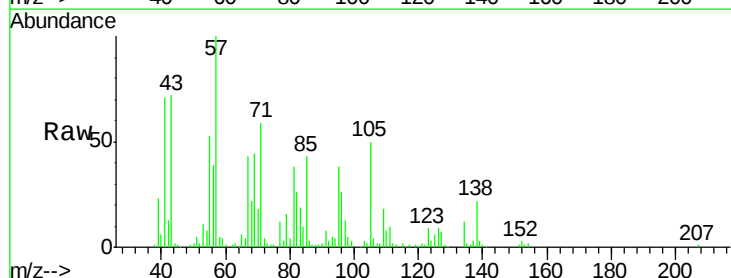
Ion Ratio Lower Upper

105 100

71 117.8 3.2 4.8#

51 10.1 26.2 39.4#

120 0.7 16.6 24.8#

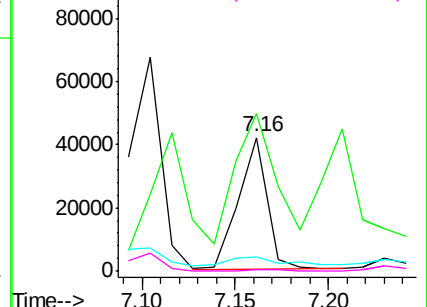
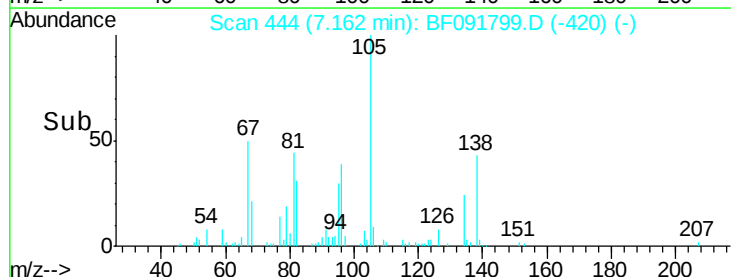


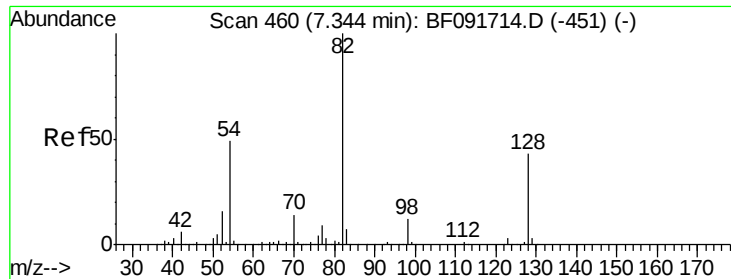
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

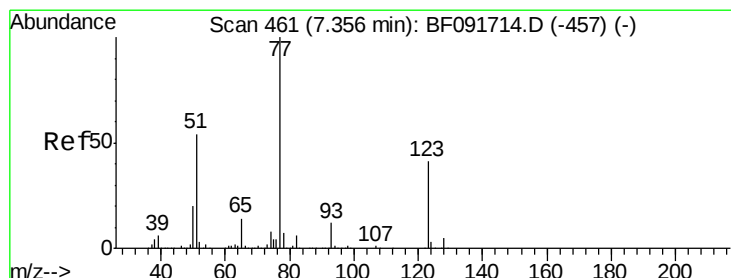
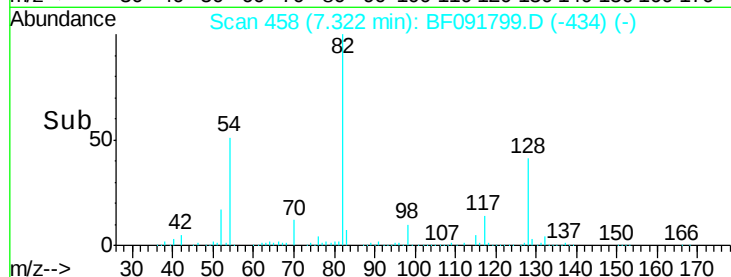
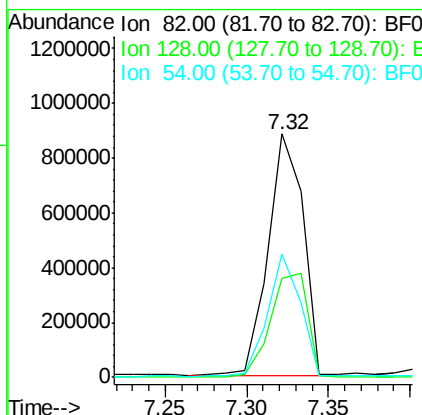
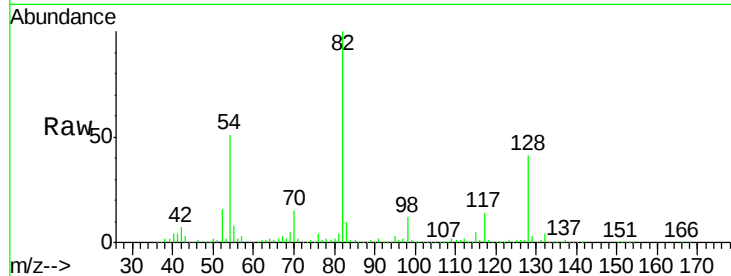




#23
 Nitrobenzene-d5
 Concen: 90.72 ng
 RT: 7.32 min Scan# 458
 Delta R.T. -0.02 min
 Lab File: BF091799.D
 Acq: 20 Dec 2016 3:15

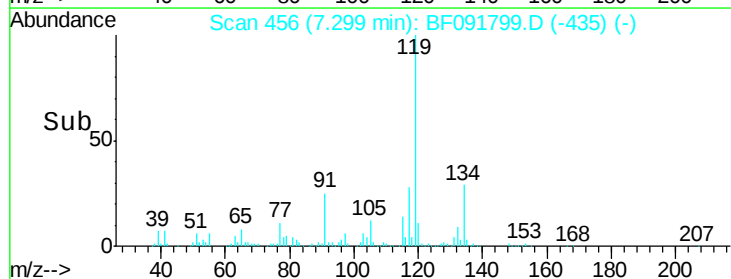
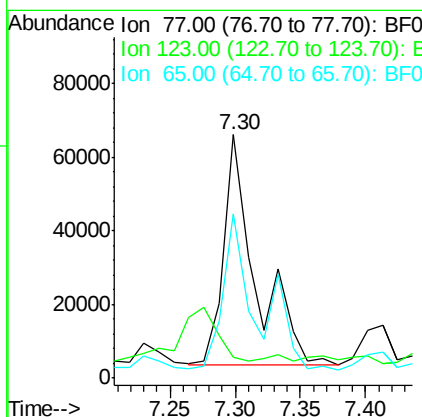
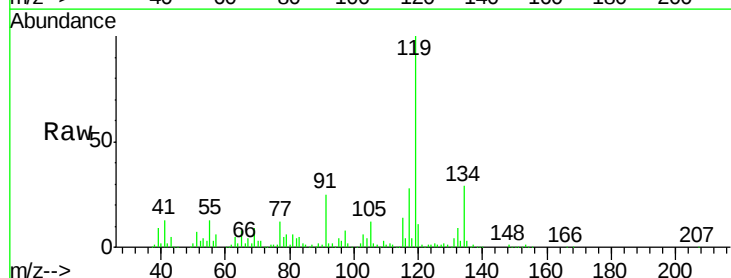
Instrument :
 BNA_F
 ClientSampled :
 SBW-2

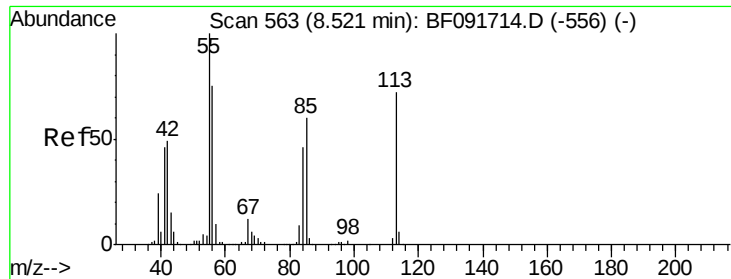
Tgt Ion: 82 Resp: 1322148
 Ion Ratio Lower Upper
 82 100
 128 40.7 34.6 52.0
 54 50.6 39.5 59.3



#24
 Nitrobenzene
 Concen: 6.91 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.06 min
 Lab File: BF091799.D
 Acq: 20 Dec 2016 3:15

Tgt Ion: 77 Resp: 108111
 Ion Ratio Lower Upper
 77 100
 123 8.6 33.0 49.4#
 65 67.3 11.2 16.8#

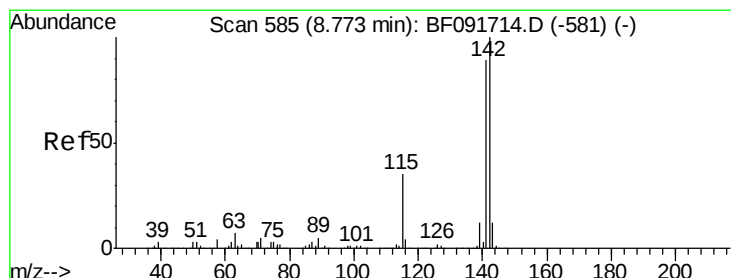
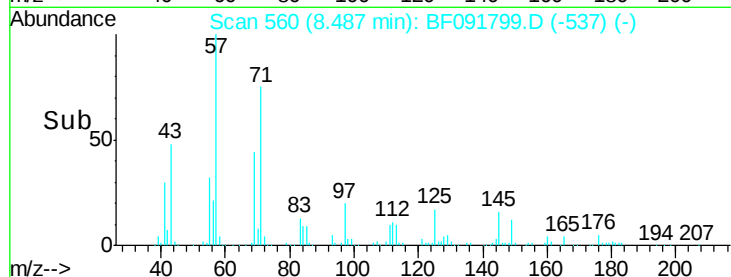
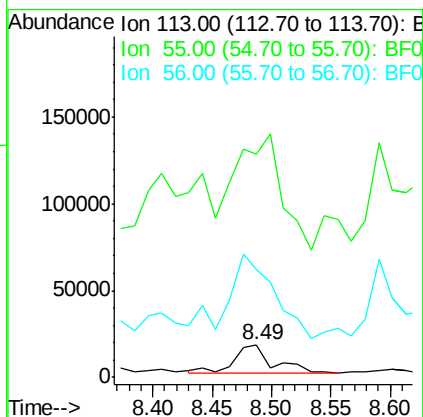
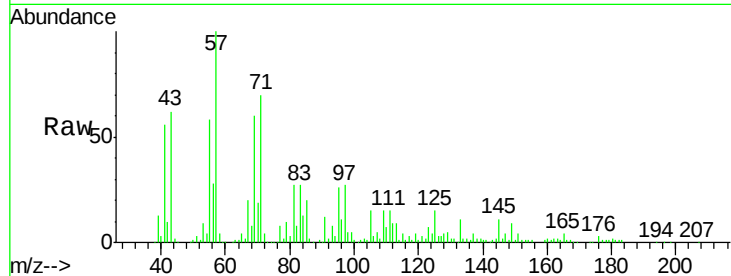




#35
 Caprolactam
 Concen: 9.27 ng
 RT: 8.49 min Scan# 560
 Delta R.T. -0.03 min
 Lab File: BF091799.D
 Acq: 20 Dec 2016 3:15

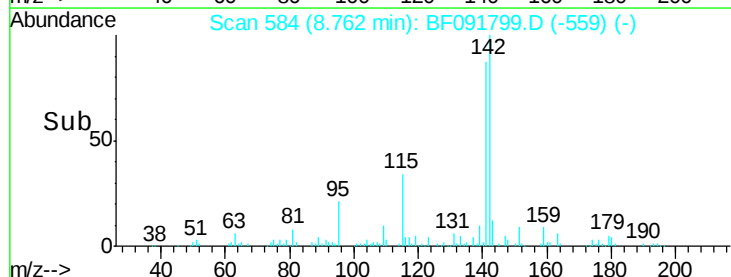
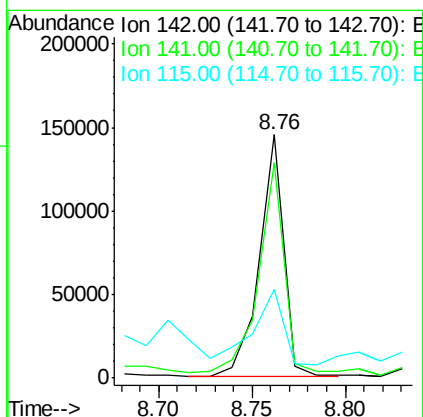
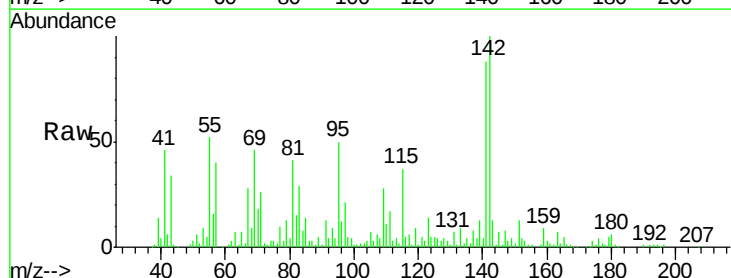
Instrument :
 BNA_F
 ClientSampled :
 SBW-2

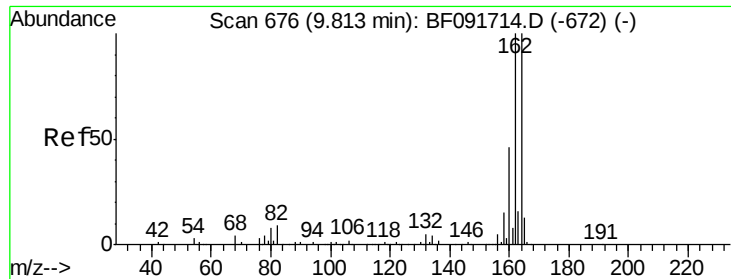
Tgt Ion:113 Resp: 33887
 Ion Ratio Lower Upper
 113 100
 55 677.9 119.2 159.2#
 56 325.9 83.8 123.8#



#37
 2-Methylnaphthalene
 Concen: 5.24 ng
 RT: 8.76 min Scan# 584
 Delta R.T. -0.01 min
 Lab File: BF091799.D
 Acq: 20 Dec 2016 3:15

Tgt Ion:142 Resp: 132680
 Ion Ratio Lower Upper
 142 100
 141 88.4 71.0 106.6
 115 36.5 28.3 42.5





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF091799.D

Acq: 20 Dec 2016 3:15

Instrument :

BNA_F

ClientSampleId :

SBW-2

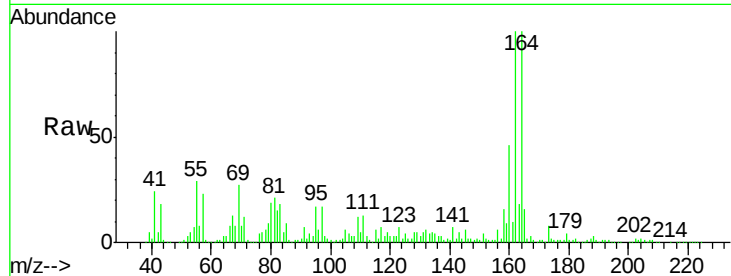
Tgt Ion:164 Resp: 437815

Ion Ratio Lower Upper

164 100

162 100.5 80.2 120.2

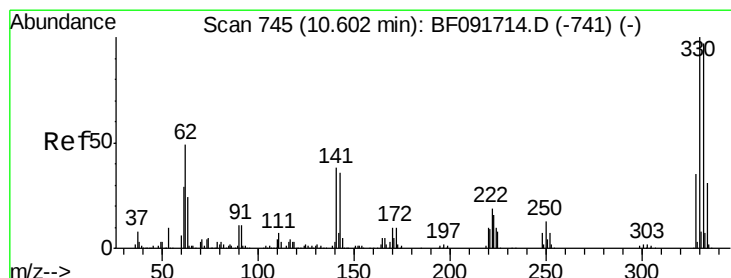
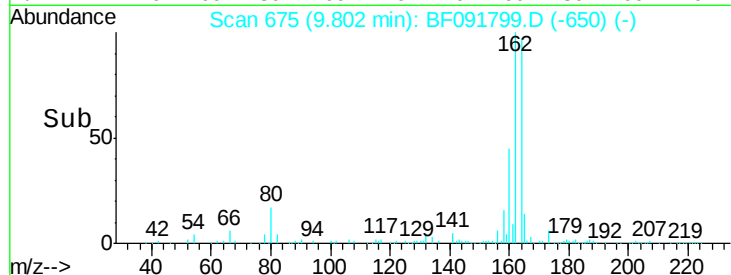
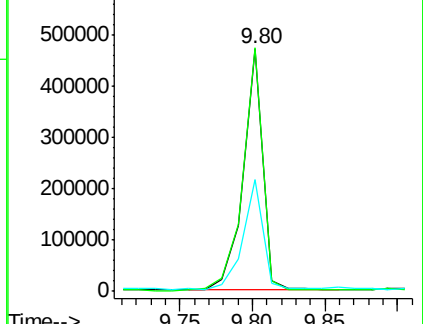
160 46.1 36.9 55.3



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: 91.26 ng

RT: 10.59 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF091799.D

Acq: 20 Dec 2016 3:15

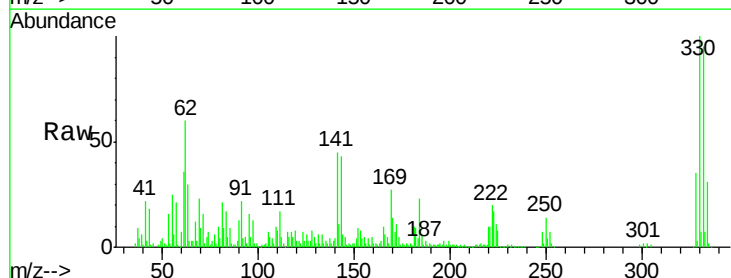
Tgt Ion:330 Resp: 338809

Ion Ratio Lower Upper

330 100

332 95.9 77.4 116.2

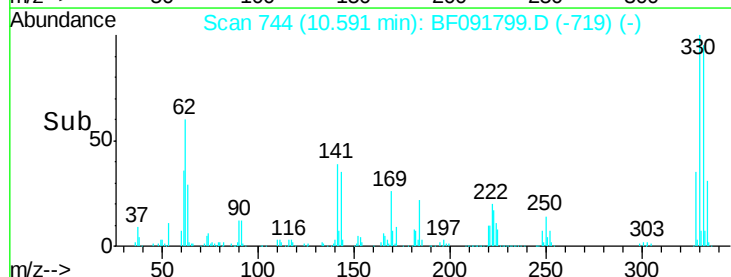
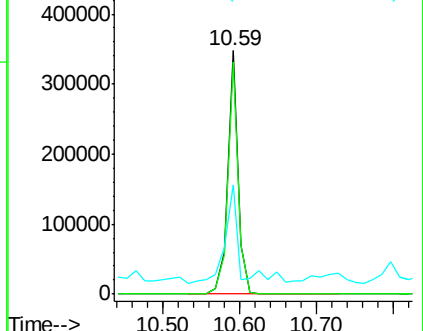
141 46.0 34.1 51.1

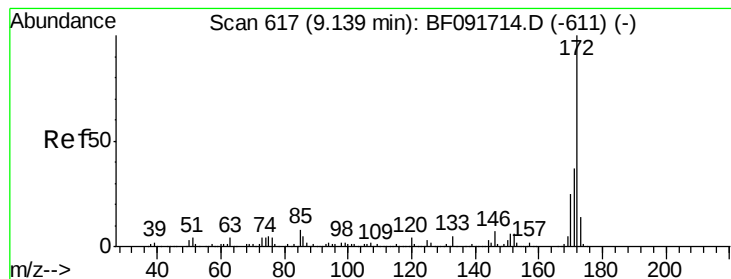


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

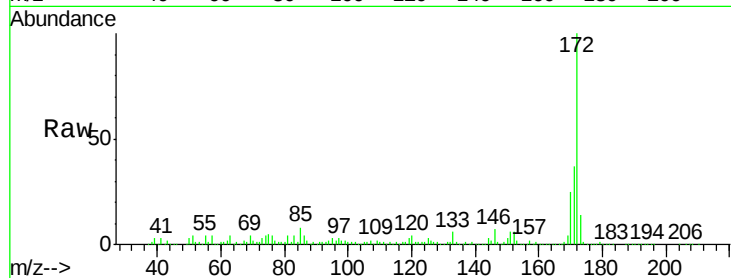




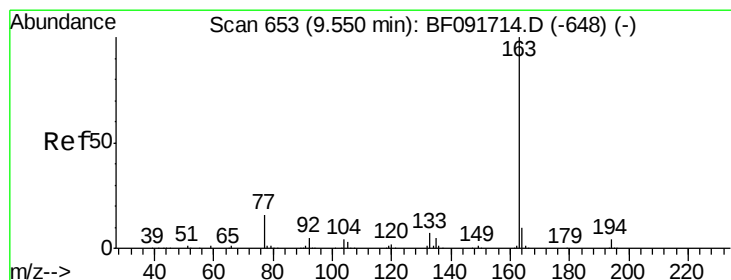
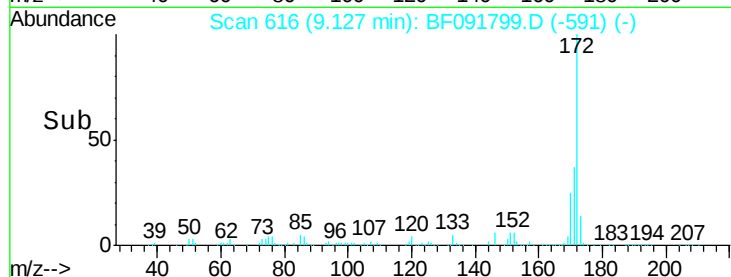
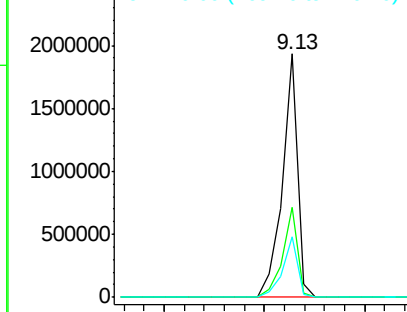
#44
2-Fluorobiphenyl
Concen: 93.06 ng
RT: 9.13 min Scan# 616
Delta R.T. -0.01 min
Lab File: BF091799.D
Acq: 20 Dec 2016 3:15

Instrument :
BNA_F
ClientSampleId :
SBW-2

Tgt Ion:172 Resp: 2027962
Ion Ratio Lower Upper
172 100
171 36.8 29.4 44.0
170 24.8 20.2 30.4

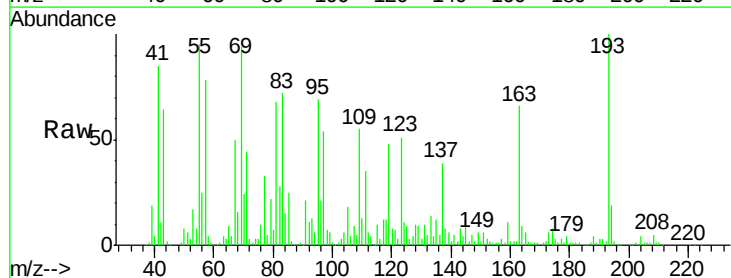


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

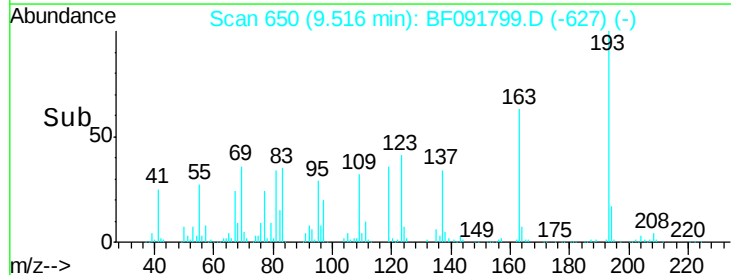
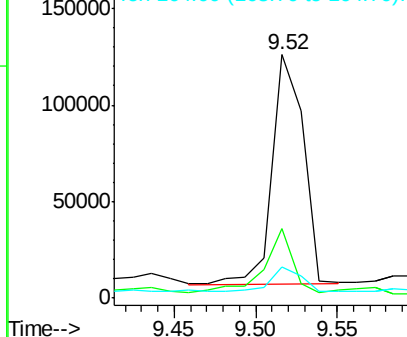


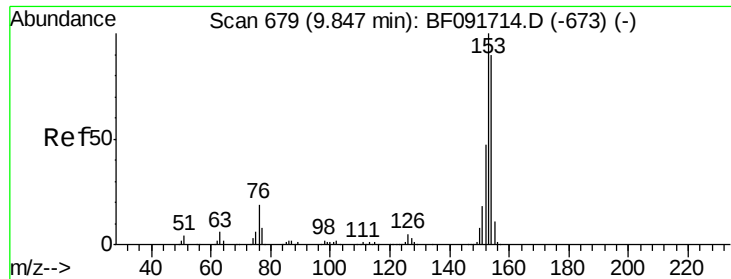
#49
Dimethylphthalate
Concen: 5.56 ng
RT: 9.52 min Scan# 650
Delta R.T. -0.03 min
Lab File: BF091799.D
Acq: 20 Dec 2016 3:15

Tgt Ion:163 Resp: 158868
Ion Ratio Lower Upper
163 100
194 28.8 3.0 4.4#
164 13.0 8.0 12.0#



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 2.62 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.01 min

Lab File: BF091799.D

Acq: 20 Dec 2016 3:15

Instrument :

BNA_F

ClientSampleId :

SBW-2

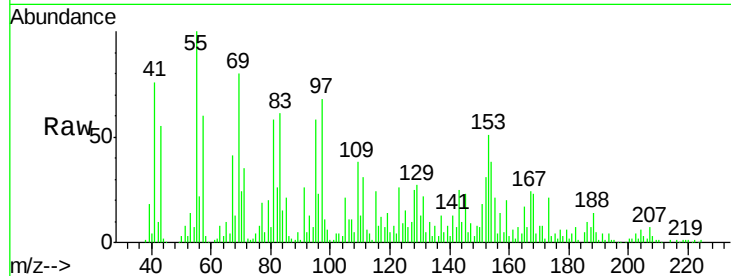
Tgt Ion:154 Resp: 65335

Ion Ratio Lower Upper

154 100

153 133.6 88.6 133.0#

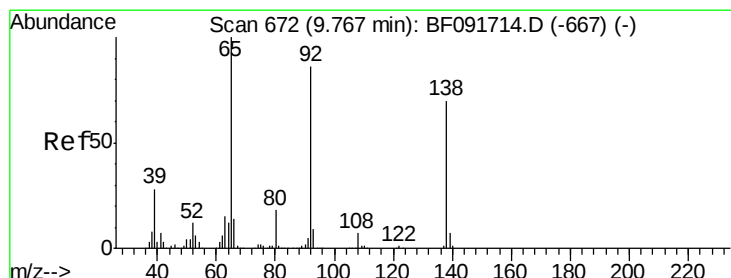
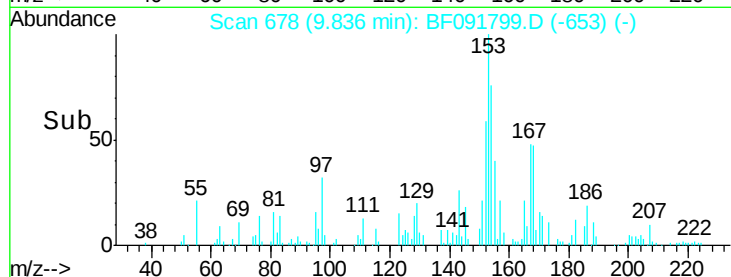
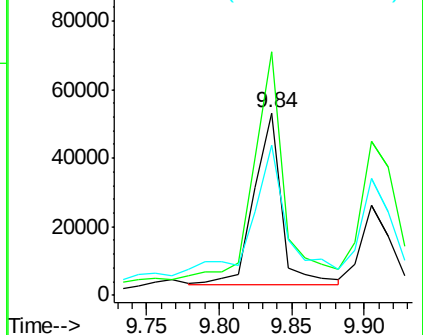
152 82.2 41.6 62.4#



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



#52

3-Nitroaniline

Concen: 2.08 ng

RT: 9.78 min Scan# 673

Delta R.T. 0.01 min

Lab File: BF091799.D

Acq: 20 Dec 2016 3:15

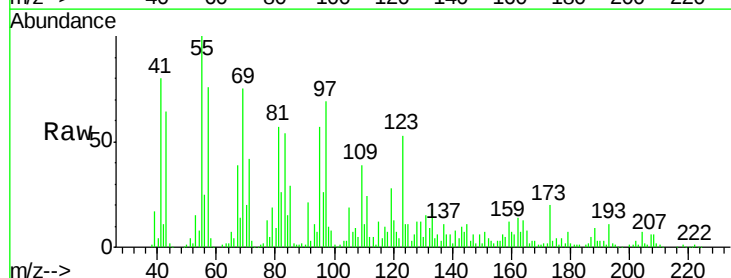
Tgt Ion:138 Resp: 16199

Ion Ratio Lower Upper

138 100

108 78.9 8.5 12.7#

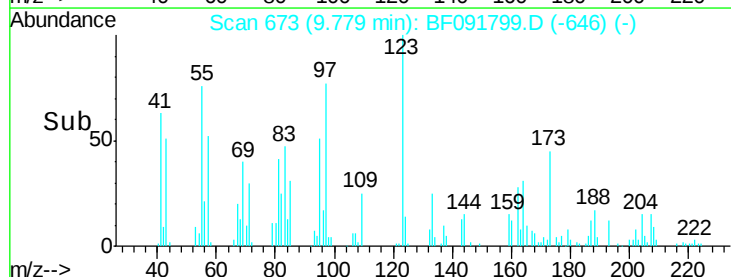
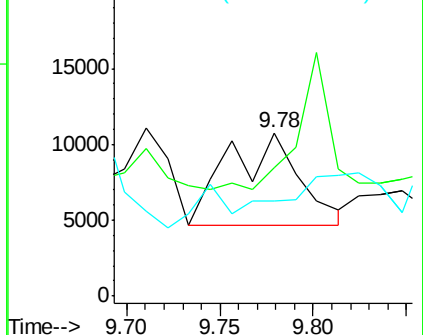
92 58.0 97.8 146.8#

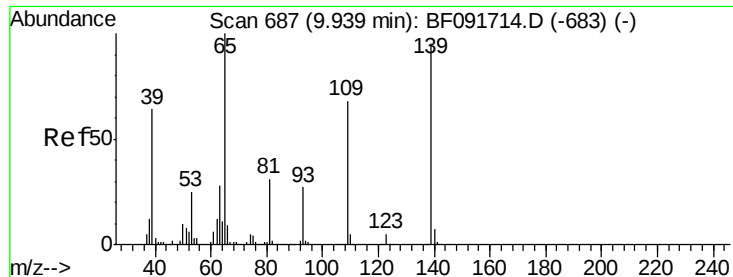


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#55

4-Nitrophenol

Concen: 4.72 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.03 min

Lab File: BF091799.D

Acq: 20 Dec 2016 3:15

Instrument :

BNA_F

ClientSampleId :

SBW-2

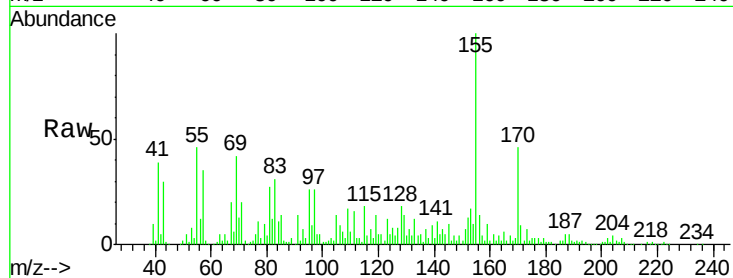
Tgt Ion:139 Resp: 25578

Ion Ratio Lower Upper

139 100

109 191.6 52.2 92.2#

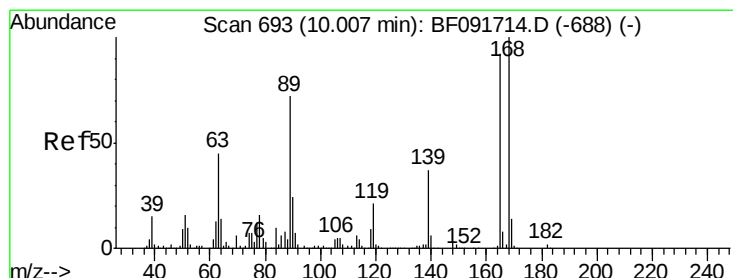
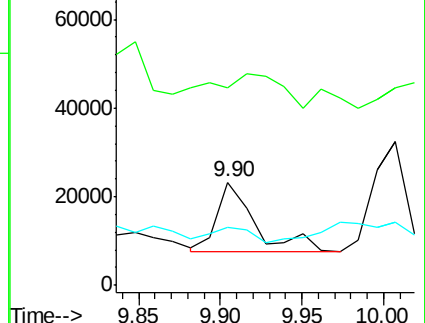
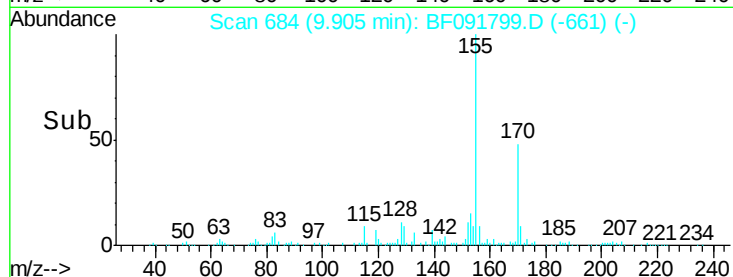
65 55.5 85.8 125.8#



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



#56

2,4-Dinitrotoluene

Concen: 2.62 ng

RT: 10.01 min Scan# 693

Delta R.T. 0.00 min

Lab File: BF091799.D

Acq: 20 Dec 2016 3:15

Tgt Ion:165 Resp: 20518

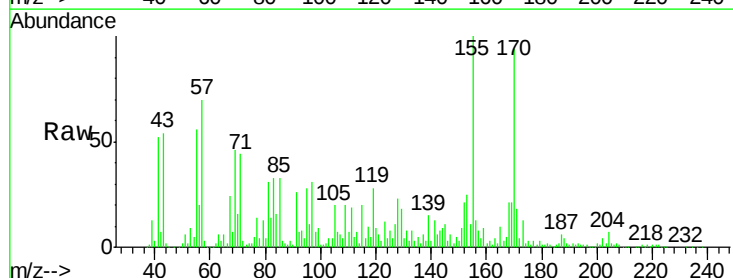
Ion Ratio Lower Upper

165 100

63 56.9 40.2 60.4

89 33.3 62.5 93.7#

182 16.2 1.8 2.8#

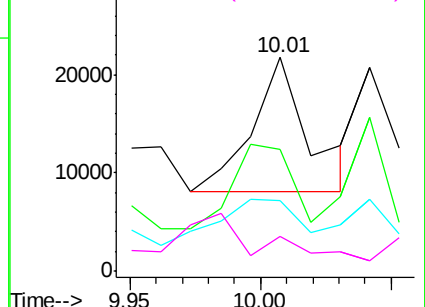
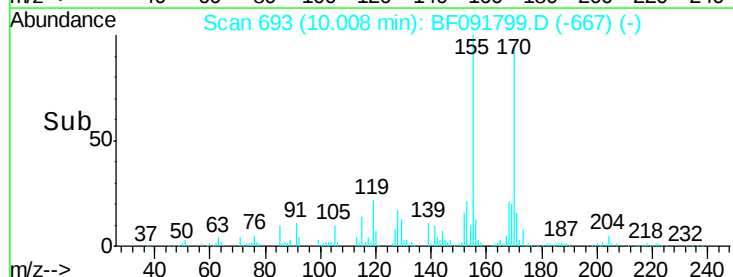


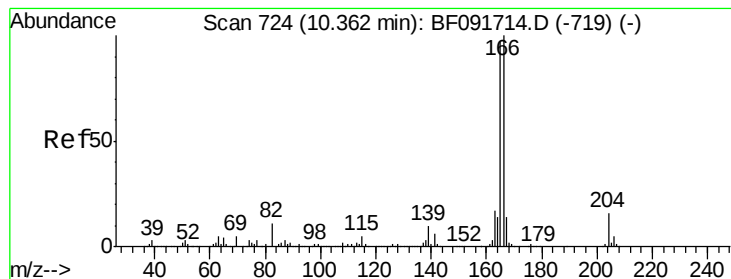
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 5.46 ng

RT: 10.35 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF091799.D

Acq: 20 Dec 2016 3:15

Instrument :

BNA_F

ClientSampleId :

SBW-2

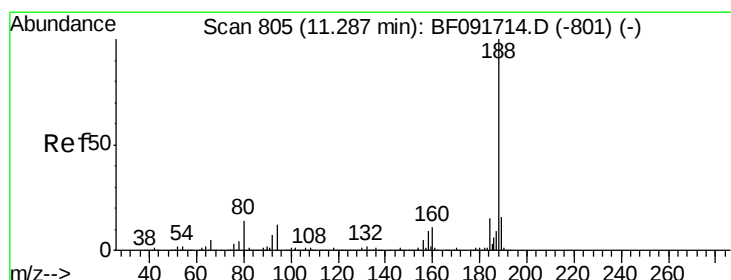
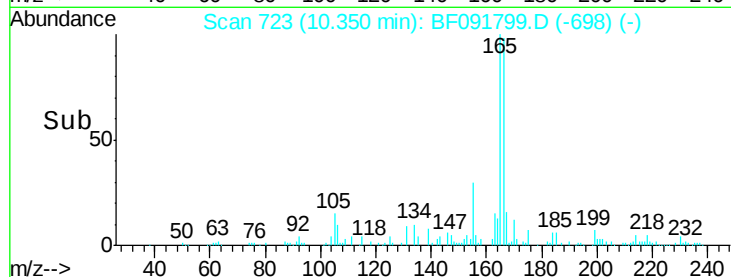
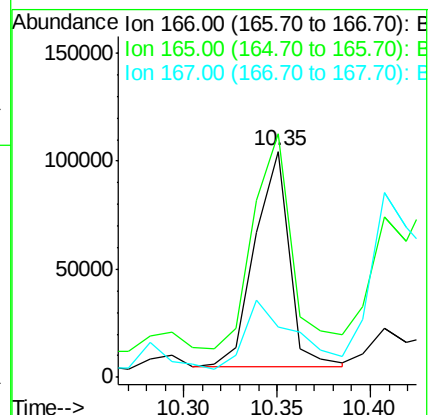
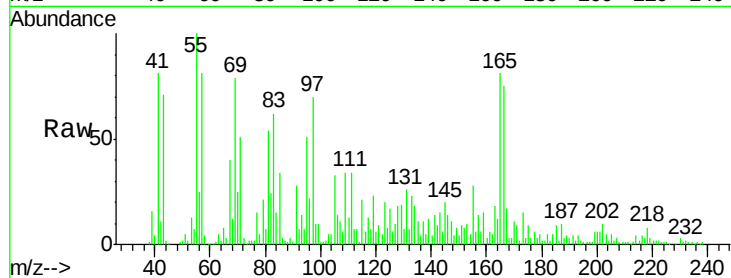
Tgt Ion:166 Resp: 125796

Ion Ratio Lower Upper

166 100

165 107.8 77.8 116.8

167 22.2 10.8 16.2#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.29 min Scan# 805

Delta R.T. 0.00 min

Lab File: BF091799.D

Acq: 20 Dec 2016 3:15

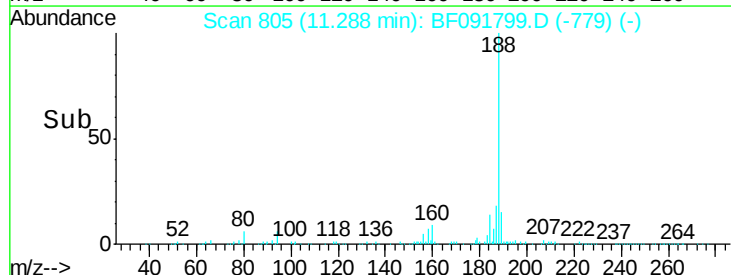
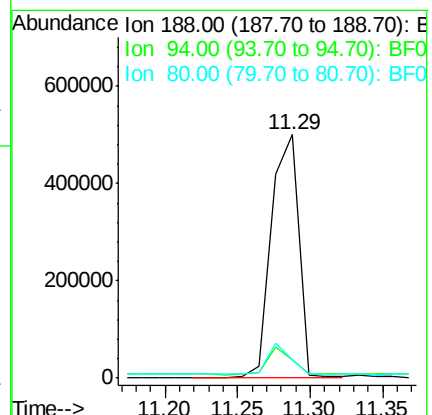
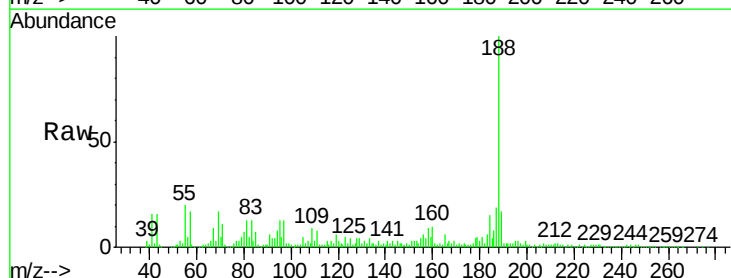
Tgt Ion:188 Resp: 652460

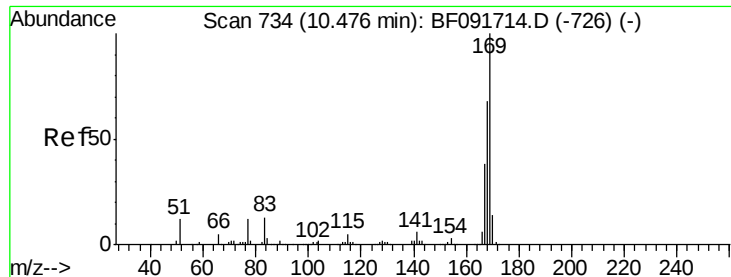
Ion Ratio Lower Upper

188 100

94 7.6 10.0 15.0#

80 7.4 11.2 16.8#





#65

n-Nitrosodiphenylamine

Concen: 10.76 ng

RT: 10.46 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF091799.D

Acq: 20 Dec 2016 3:15

Instrument :

BNA_F

ClientSampleId :

SBW-2

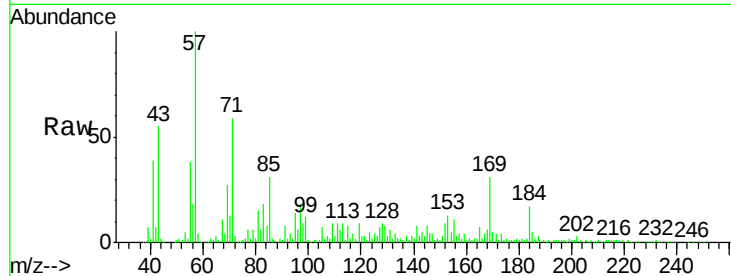
Tgt Ion:169 Resp: 218000

Ion Ratio Lower Upper

169 100

168 18.9 54.2 81.2#

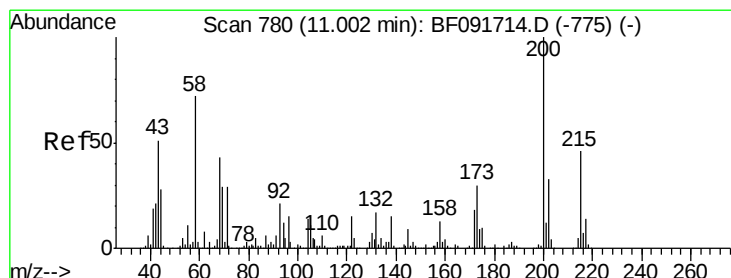
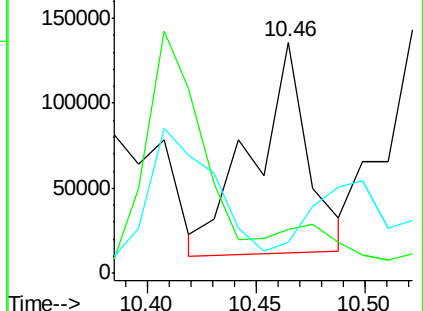
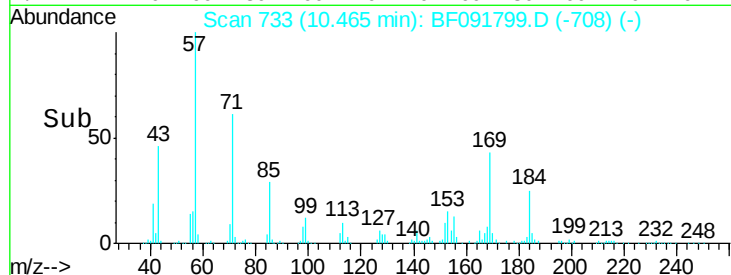
167 13.3 30.2 45.4#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#68

Atrazine

Concen: 3.97 ng

RT: 11.00 min Scan# 780

Delta R.T. 0.00 min

Lab File: BF091799.D

Acq: 20 Dec 2016 3:15

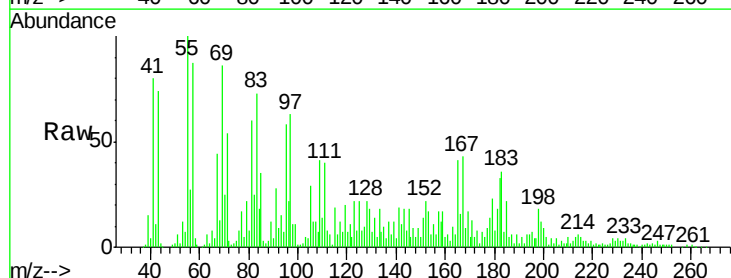
Tgt Ion:200 Resp: 24286

Ion Ratio Lower Upper

200 100

173 90.4 9.6 49.6#

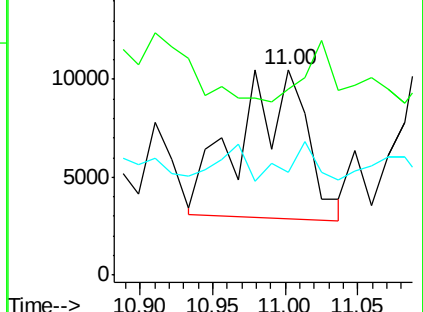
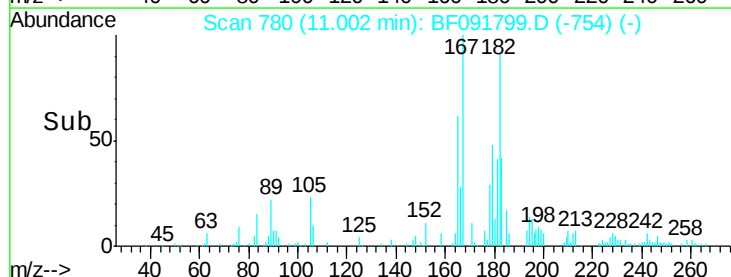
215 50.3 25.7 65.7

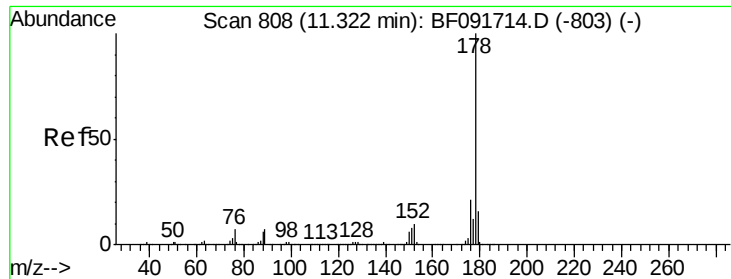


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#70

Phenanthrene

Concen: 7.94 ng

RT: 11.31 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF091799.D

Acq: 20 Dec 2016 3:15

Instrument :

BNA_F

ClientSampleId :

SBW-2

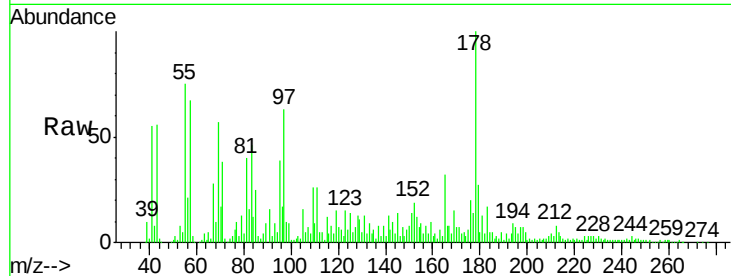
Tgt Ion:178 Resp: 258997

Ion Ratio Lower Upper

178 100

176 19.7 16.6 25.0

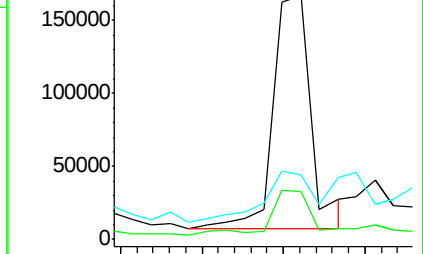
179 26.7 12.8 19.2#



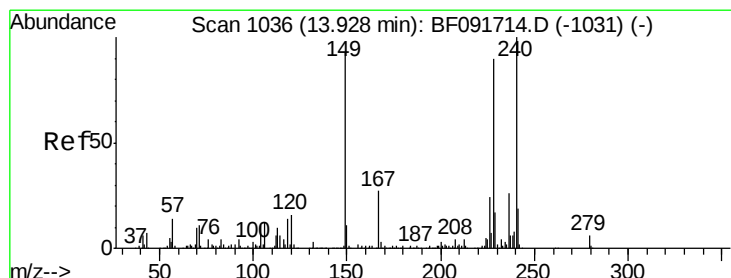
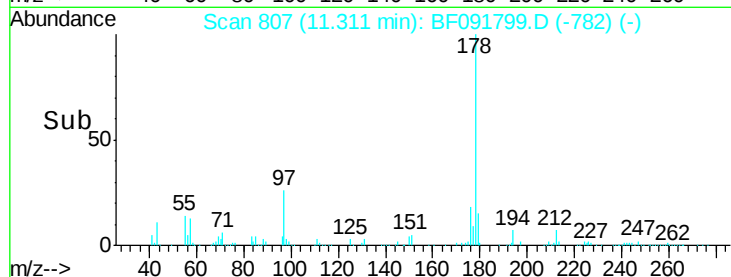
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 11.20 11.25 11.30 11.35



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.02 min

Lab File: BF091799.D

Acq: 20 Dec 2016 3:15

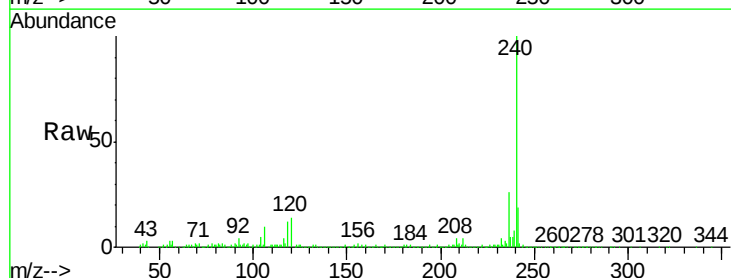
Tgt Ion:240 Resp: 549809

Ion Ratio Lower Upper

240 100

120 14.3 12.9 19.3

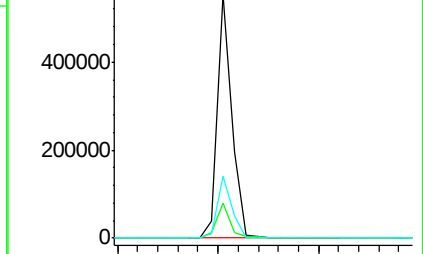
236 25.5 20.9 31.3



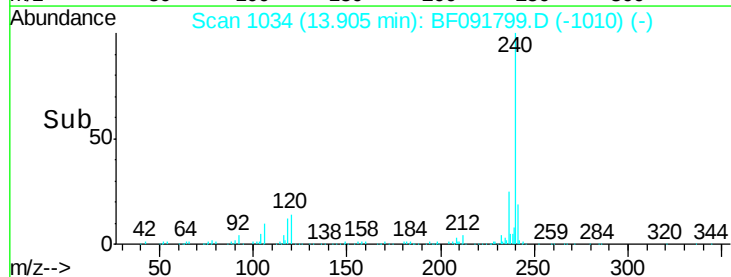
Abundance Ion 240.00 (239.70 to 240.70): E

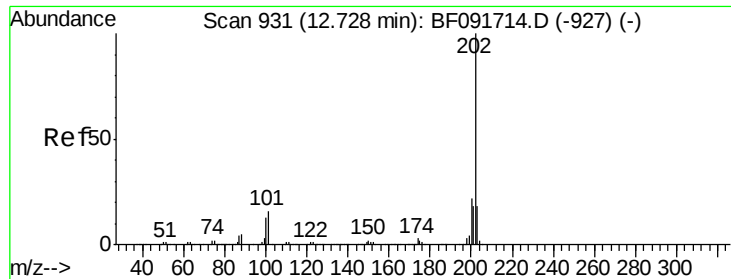
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 13.80 13.90 14.00





#77

Pyrene

Concen: 3.18 ng

RT: 12.72 min Scan# 930

Delta R.T. -0.01 min

Lab File: BF091799.D

Acq: 20 Dec 2016 3:15

Instrument :

BNA_F

ClientSampleId :

SBW-2

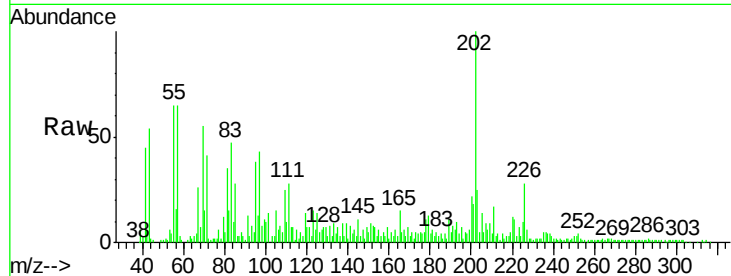
Tgt Ion:202 Resp: 126292

Ion Ratio Lower Upper

202 100

200 21.7 17.7 26.5

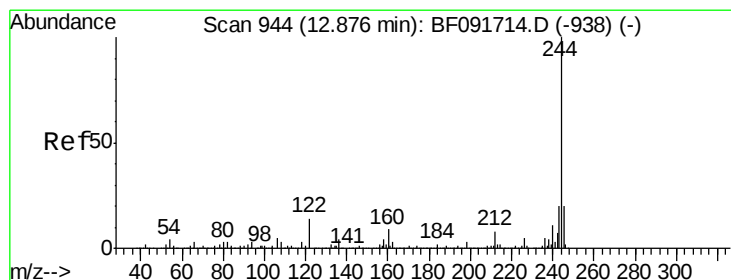
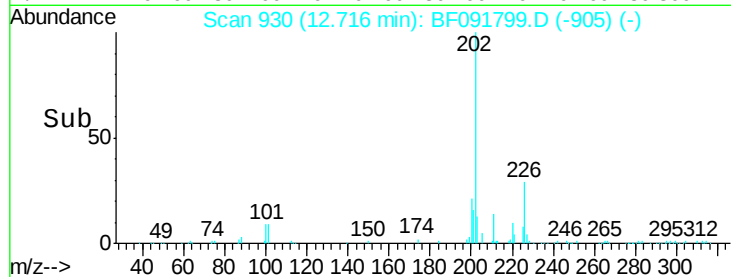
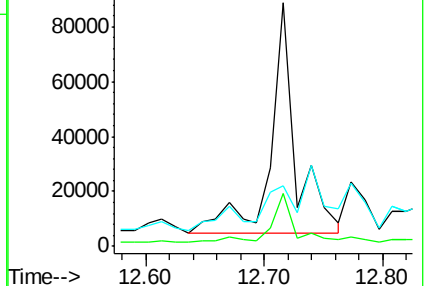
203 24.7 14.7 22.1#



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: 69.68 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF091799.D

Acq: 20 Dec 2016 3:15

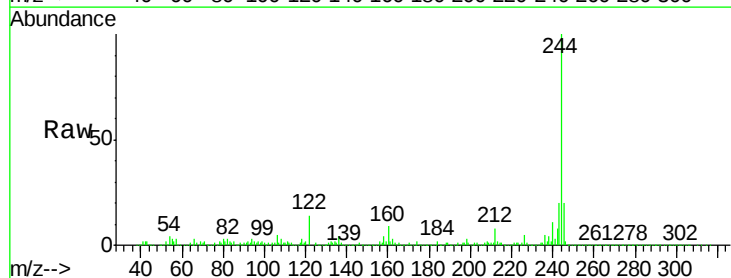
Tgt Ion:244 Resp: 1517248

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

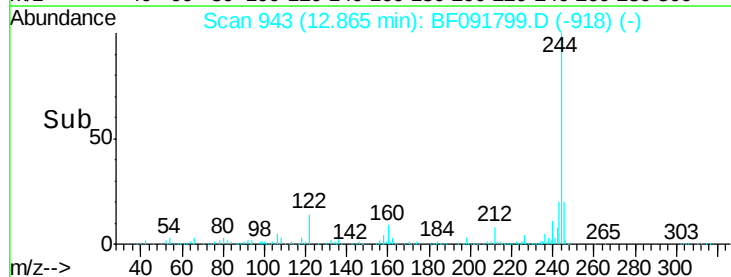
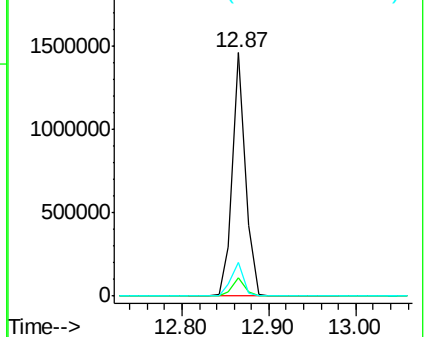
122 14.1 11.4 17.2

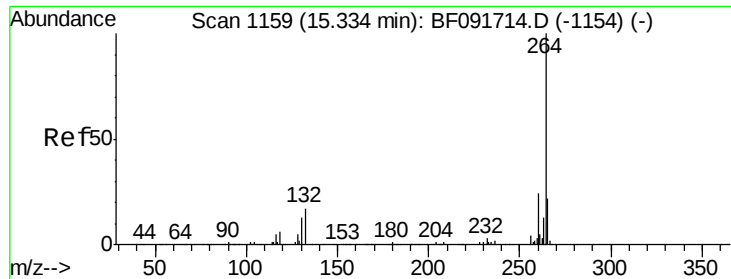


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.31 min Scan# 1157

Delta R.T. -0.02 min

Lab File: BF091799.D

Acq: 20 Dec 2016 3:15

Instrument :

BNA_F

ClientSampleId :

SBW-2

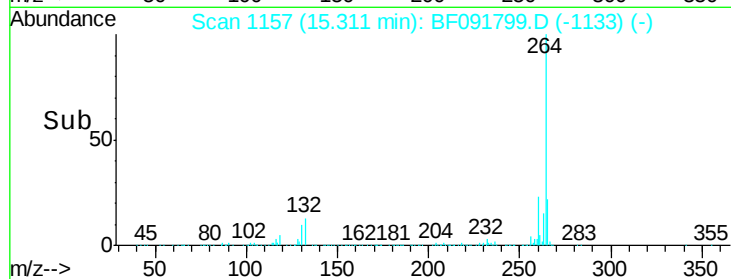
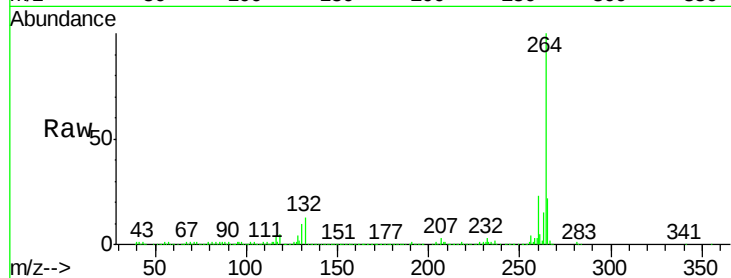
Tgt Ion: 264 Resp: 472327

Ion Ratio Lower Upper

264 100

260 22.9 19.2 28.8

265 21.6 17.4 26.0



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

