

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120216\
 Data File : BF091401.D
 Acq On : 2 Dec 2016 20:47
 Operator : UM/SJ
 Sample : H5819-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 113016-10

Quant Time: Dec 02 22:24:31 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

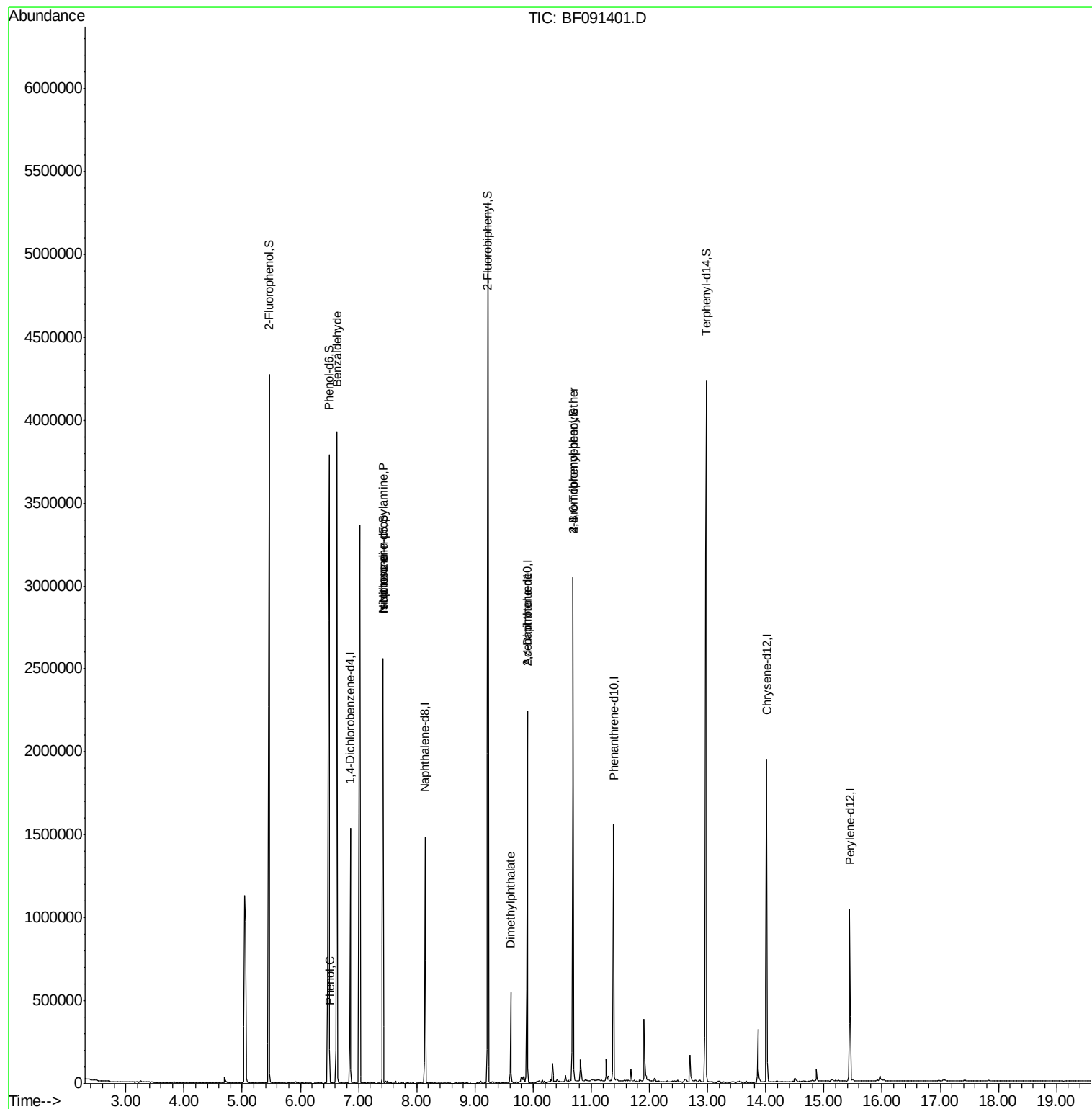
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	203871	20.00	ng	-0.02
21) Naphthalene-d8	8.14	136	774817	20.00	ng	-0.03
38) Acenaphthene-d10	9.90	164	489405	20.00	ng	-0.02
63) Phenanthrene-d10	11.38	188	824680	20.00	ng	-0.02
75) Chrysene-d12	14.01	240	703485	20.00	ng	-0.03
86) Perylene-d12	15.44	264	495725	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1163989	93.27	ng	0.00
7) Phenol-d6	6.49	99	1582239	102.99	ng	0.00
23) Nitrobenzene-d5	7.42	82	822829	59.51	ng	-0.03
41) 2,4,6-Tribromophenol	10.69	330	443385	95.70	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	1731192	64.05	ng	-0.02
78) Terphenyl-d14	12.97	244	1831592	56.59	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.63	77	30060	3.04	ng	95
10) Phenol	6.50	94	70271	3.89	ng	75
19) n-Nitroso-di-n-propylamine	7.42	70	111821	11.55	ng	# 76
25) Isophorone	7.42	82	633475	25.86	ng	# 67
49) Dimethylphthalate	9.61	163	194943	6.58	ng	98
56) 2,4-Dinitrotoluene	9.90	165	63952	7.44	ng	# 33
66) 4-Bromophenyl-phenylether	10.69	248	29008	3.27	ng	# 1

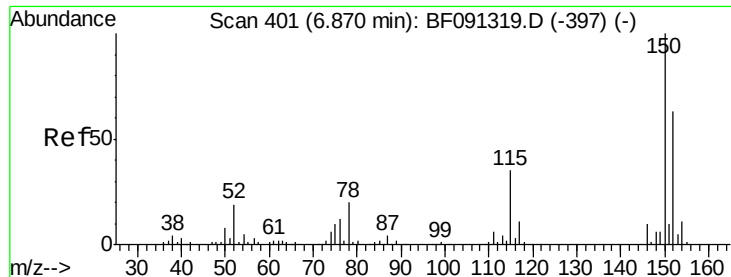
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF091401.D

Acq: 2 Dec 2016 20:47

Instrument :

BNA_F

ClientSampleId :

113016-10

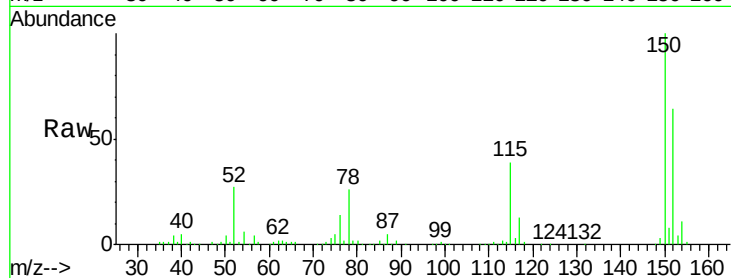
Tgt Ion:152 Resp: 203871

Ion Ratio Lower Upper

152 100

150 155.8 122.5 183.7

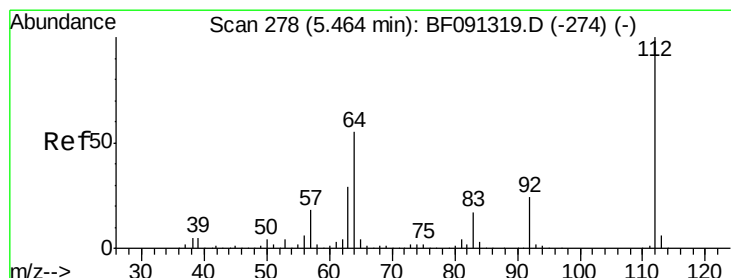
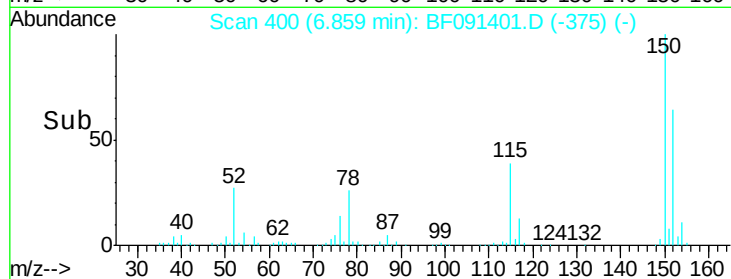
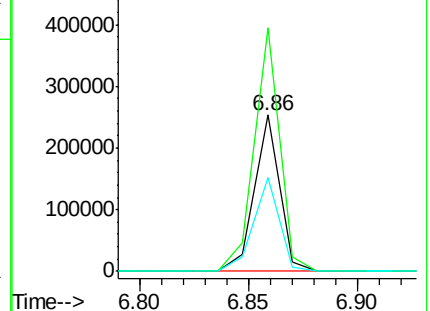
115 60.3 51.8 77.8



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: 93.27 ng

RT: 5.46 min Scan# 278

Delta R.T. -0.00 min

Lab File: BF091401.D

Acq: 2 Dec 2016 20:47

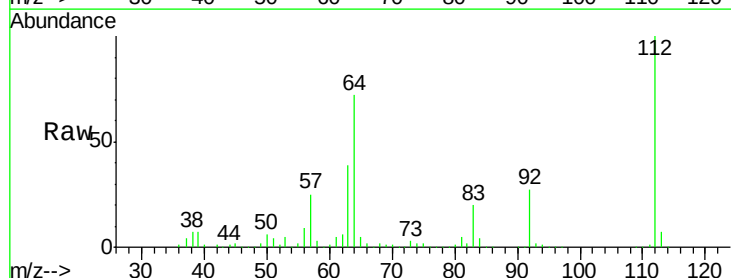
Tgt Ion:112 Resp: 1163989

Ion Ratio Lower Upper

112 100

64 72.0 61.5 92.3

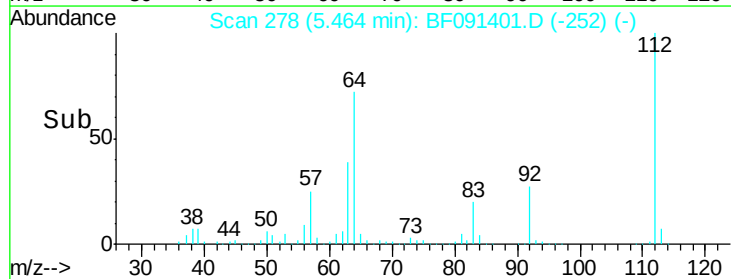
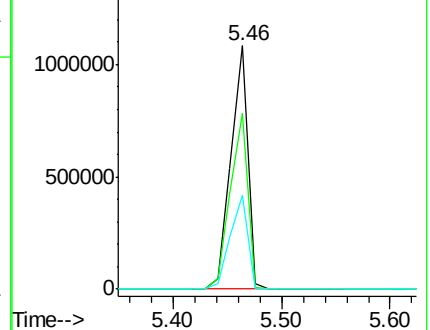
63 38.8 33.3 49.9

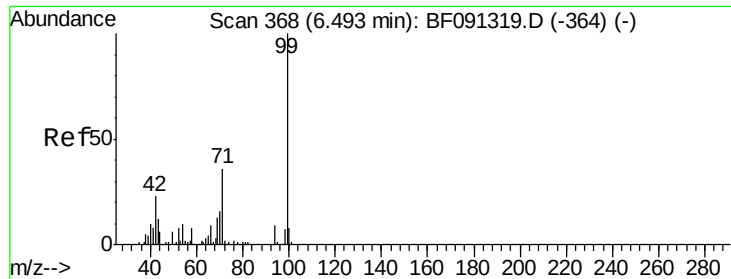


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 102.99 ng

RT: 6.49 min Scan# 368

Delta R.T. -0.01 min

Lab File: BF091401.D

Acq: 2 Dec 2016 20:47

Instrument :

BNA_F

ClientSampleId :

113016-10

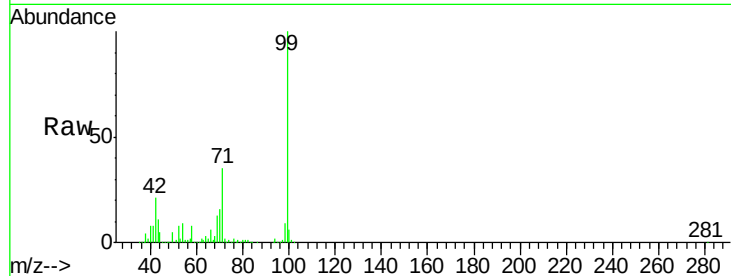
Tgt Ion: 99 Resp: 1582239

Ion Ratio Lower Upper

99 100

42 20.8 20.6 31.0

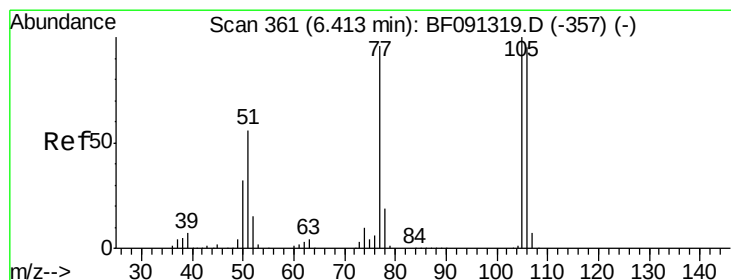
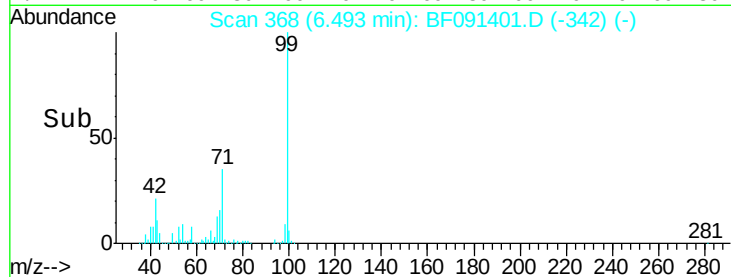
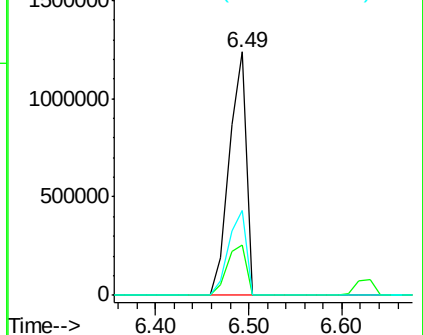
71 34.7 29.9 44.9



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: 3.04 ng

RT: 6.63 min Scan# 380

Delta R.T. 0.21 min

Lab File: BF091401.D

Acq: 2 Dec 2016 20:47

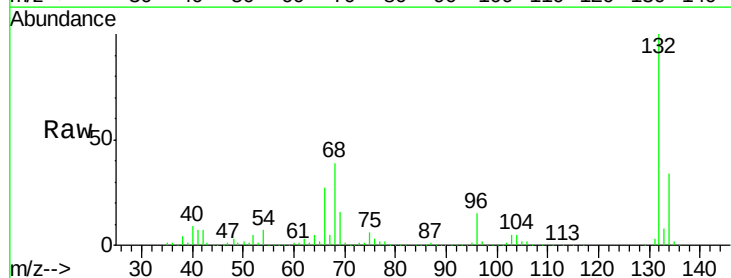
Tgt Ion: 77 Resp: 30060

Ion Ratio Lower Upper

77 100

105 83.7 66.4 106.4

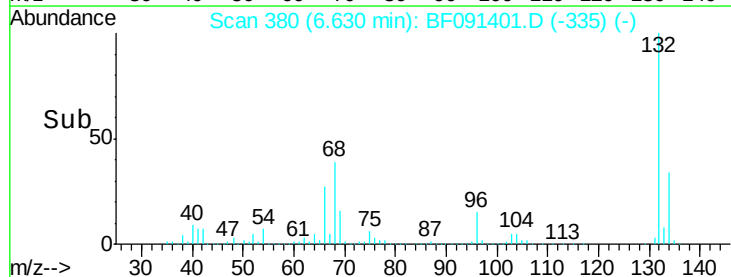
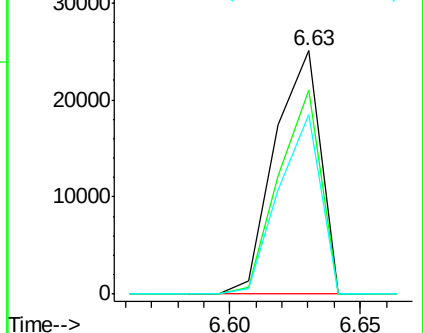
106 73.9 60.9 100.9

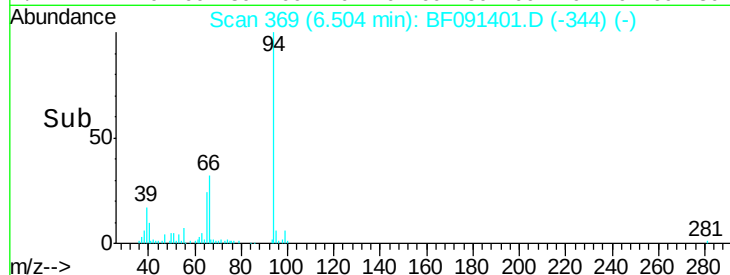
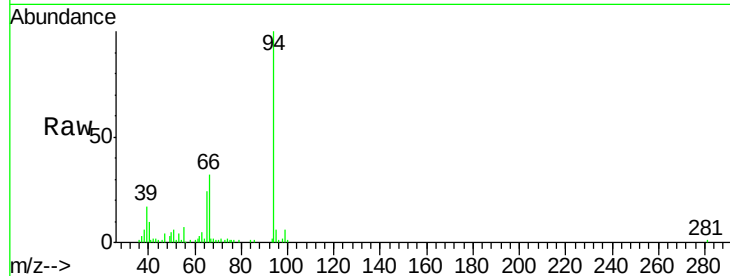
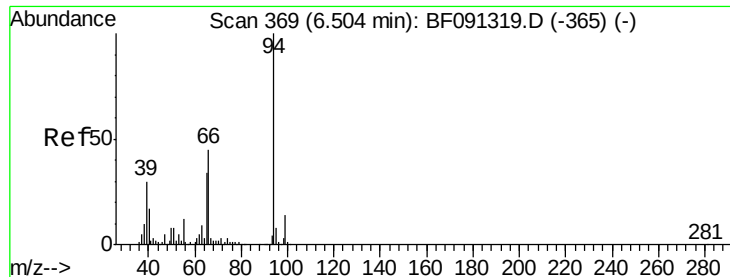


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.89 ng

RT: 6.50 min Scan# 369

Delta R.T. -0.02 min

Lab File: BF091401.D

Acq: 2 Dec 2016 20:47

Instrument :

BNA_F

ClientSampleId :

113016-10

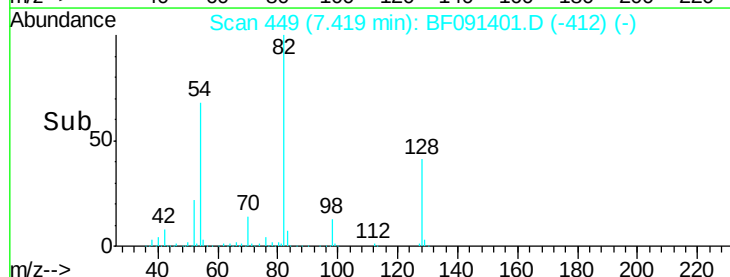
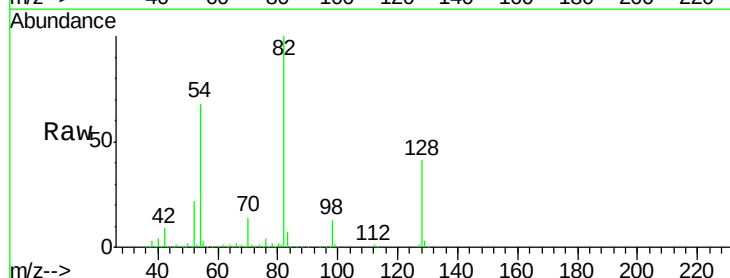
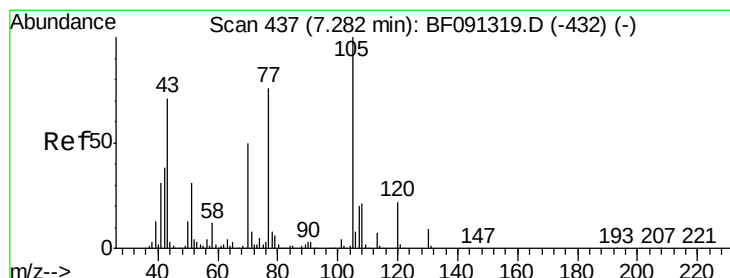
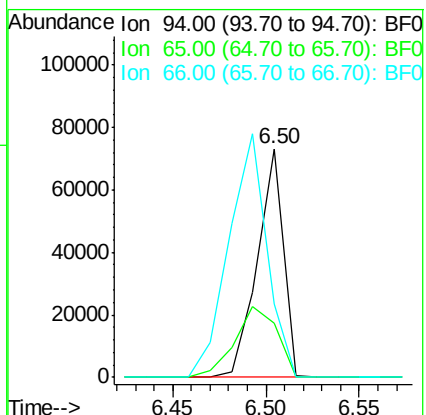
Tgt Ion: 94 Resp: 70271

Ion Ratio Lower Upper

94 100

65 23.5 16.9 56.9

66 32.3 30.6 70.6



#19

n-Nitroso-di-n-propylamine

Concen: 11.55 ng

RT: 7.42 min Scan# 449

Delta R.T. 0.12 min

Lab File: BF091401.D

Acq: 2 Dec 2016 20:47

Tgt Ion: 70 Resp: 111821

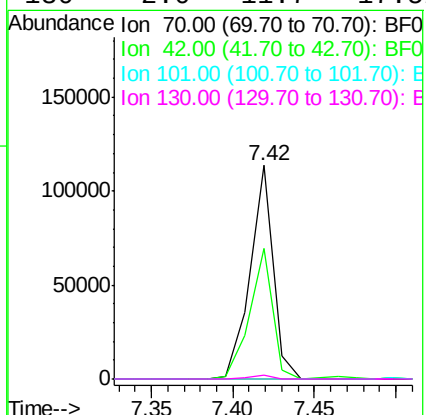
Ion Ratio Lower Upper

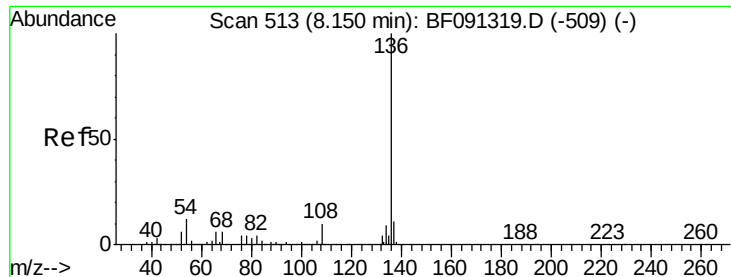
70 100

42 61.1 64.8 97.2#

101 0.0 6.2 9.4#

130 2.0 11.7 17.5#

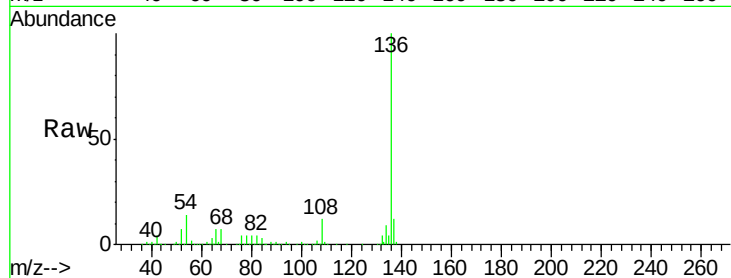




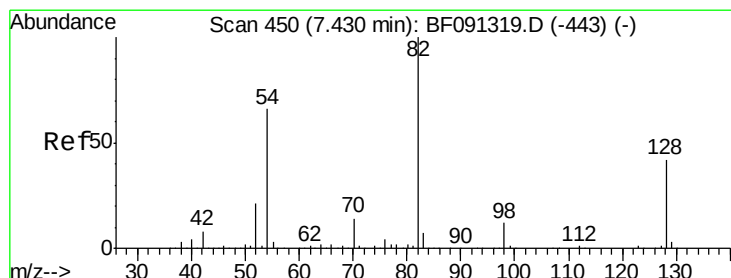
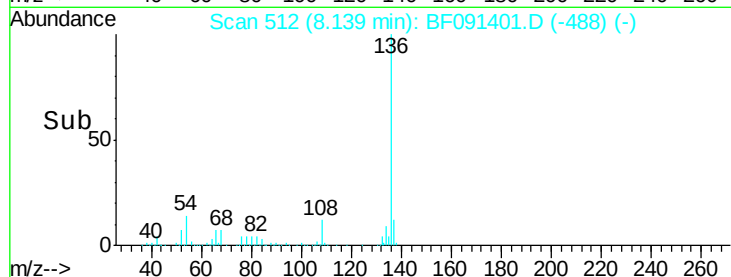
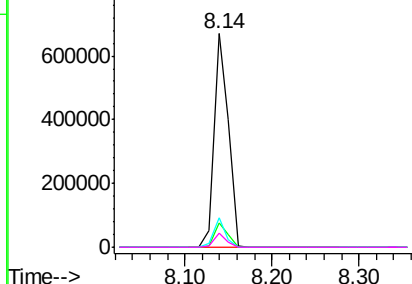
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 512
Delta R.T. -0.03 min
Lab File: BF091401.D
Acq: 2 Dec 2016 20:47

Instrument :
BNA_F
ClientSampleId :
113016-10

Tgt Ion:	136	Resp:	774817
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	13.9	9.1	13.7#
68	6.8	5.9	8.9

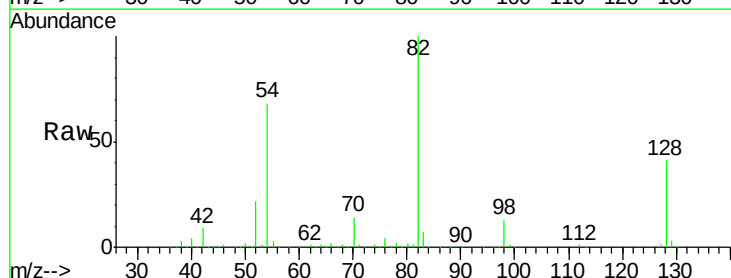


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

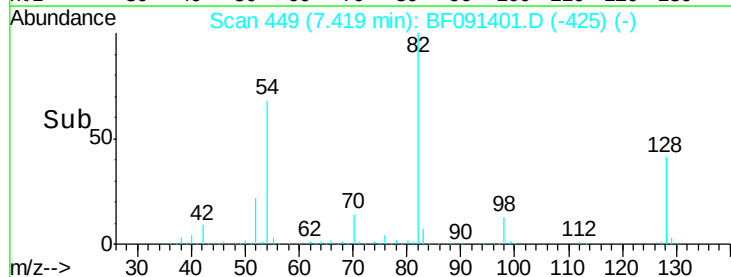
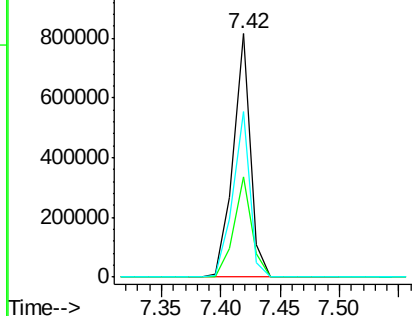


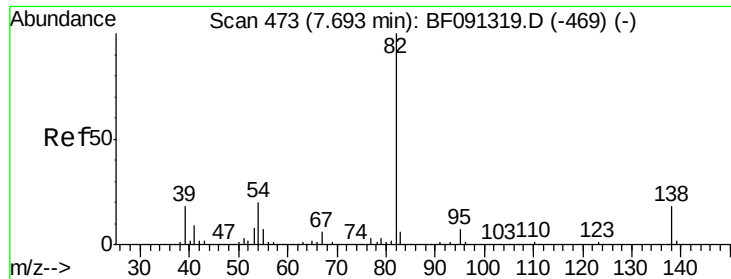
#23
Nitrobenzene-d5
Concen: 59.51 ng
RT: 7.42 min Scan# 449
Delta R.T. -0.03 min
Lab File: BF091401.D
Acq: 2 Dec 2016 20:47

Tgt Ion:	82	Resp:	822829
Ion	Ratio	Lower	Upper
82	100		
128	41.0	31.8	47.6
54	68.1	49.1	73.7



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





#25

Isophorone

Concen: 25.86 ng

RT: 7.42 min Scan# 449

Delta R.T. -0.29 min

Lab File: BF091401.D

Acq: 2 Dec 2016 20:47

Instrument :

BNA_F

ClientSampled :

113016-10

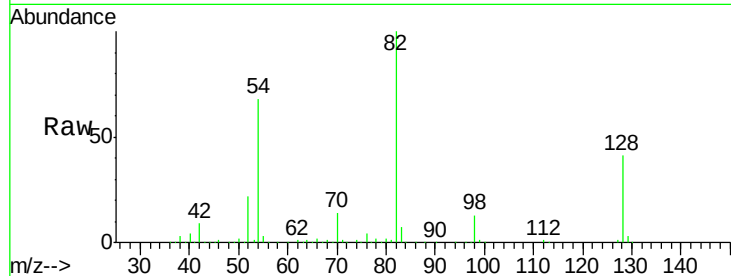
Tgt Ion: 82 Resp: 633475

Ion Ratio Lower Upper

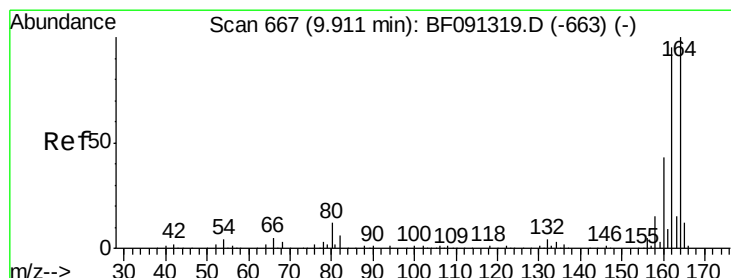
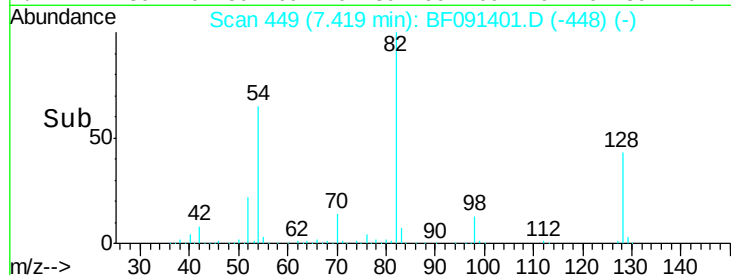
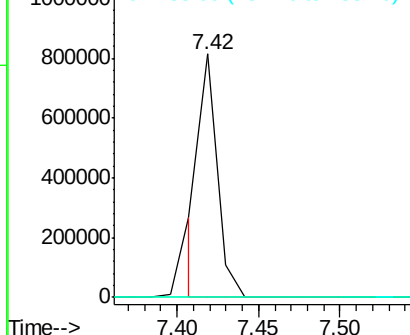
82 100

95 0.0 5.7 8.5#

138 0.0 13.4 20.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 666

Delta R.T. -0.02 min

Lab File: BF091401.D

Acq: 2 Dec 2016 20:47

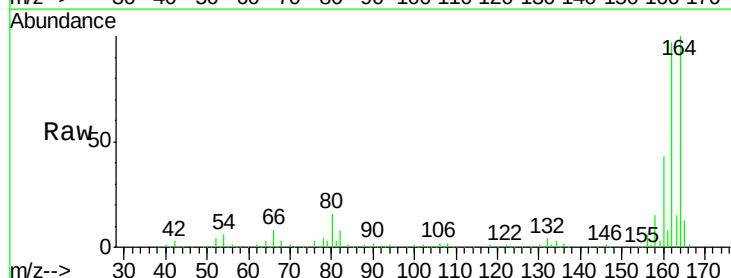
Tgt Ion: 164 Resp: 489405

Ion Ratio Lower Upper

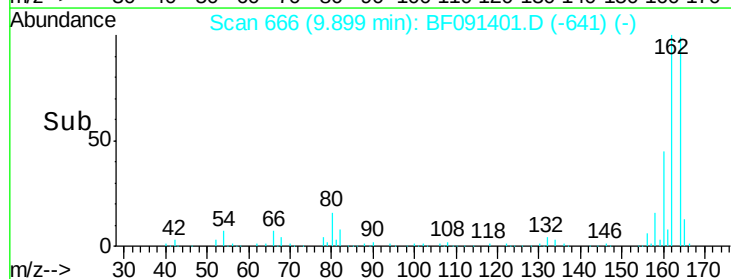
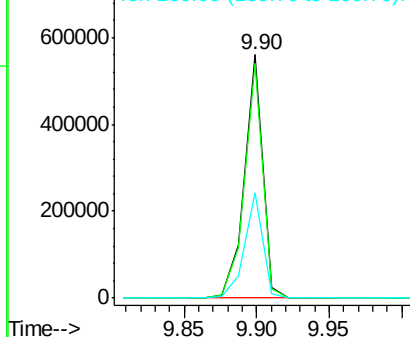
164 100

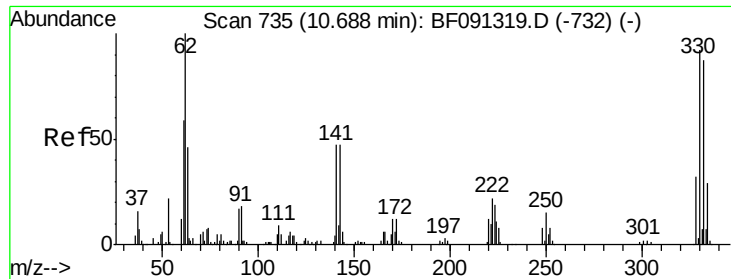
162 96.6 82.6 124.0

160 43.5 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

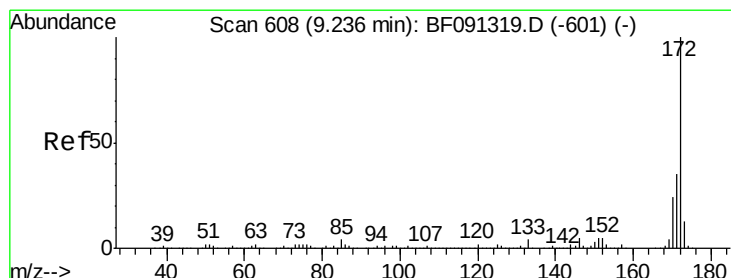
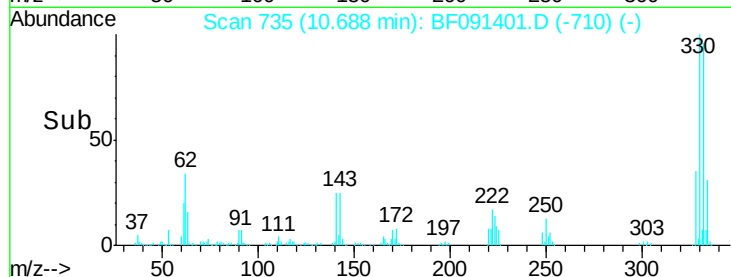
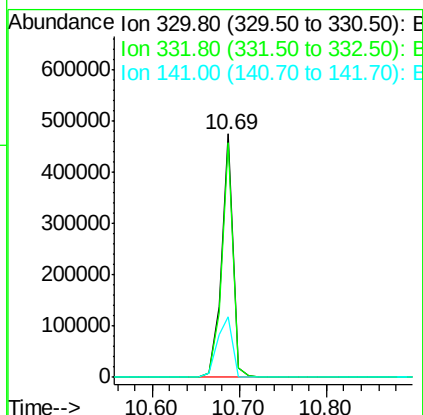
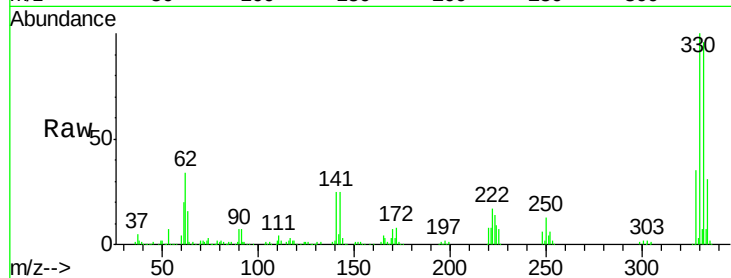




#41
 2,4,6-Tribromophenol
 Concen: 95.70 ng
 RT: 10.69 min Scan# 735
 Delta R.T. -0.02 min
 Lab File: BF091401.D
 Acq: 2 Dec 2016 20:47

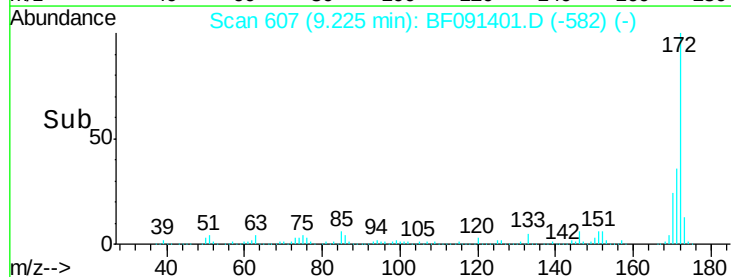
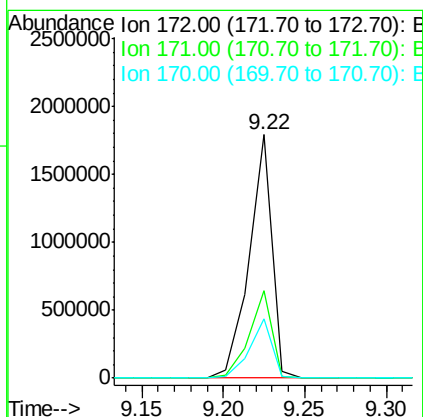
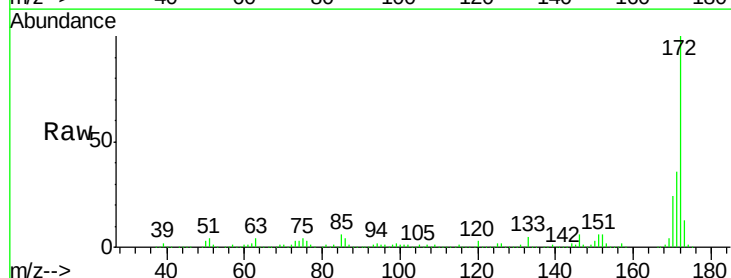
Instrument :
 BNA_F
 ClientSampleId :
 113016-10

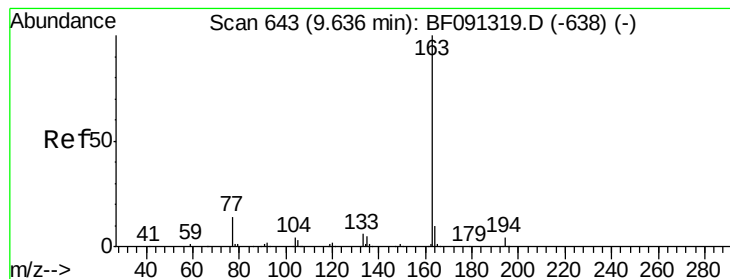
Tgt Ion:330 Resp: 443385
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.2 114.4
 141 32.8 33.6 50.4#



#44
 2-Fluorobiphenyl
 Concen: 64.05 ng
 RT: 9.22 min Scan# 607
 Delta R.T. -0.02 min
 Lab File: BF091401.D
 Acq: 2 Dec 2016 20:47

Tgt Ion:172 Resp: 1731192
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.4 44.0
 170 24.3 19.7 29.5





#49

Dimethylphthalate

Concen: 6.58 ng

RT: 9.61 min Scan# 641

Delta R.T. -0.04 min

Lab File: BF091401.D

Acq: 2 Dec 2016 20:47

Instrument :

BNA_F

ClientSampleId :

113016-10

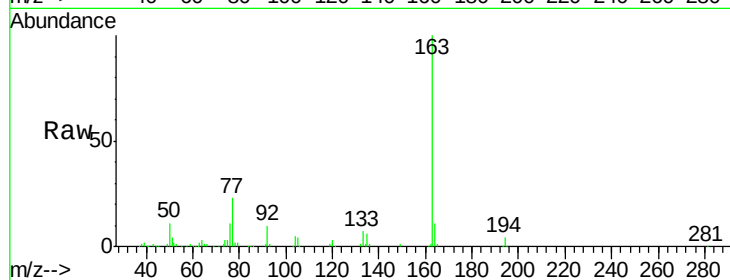
Tgt Ion:163 Resp: 194943

Ion Ratio Lower Upper

163 100

194 3.6 3.0 4.4

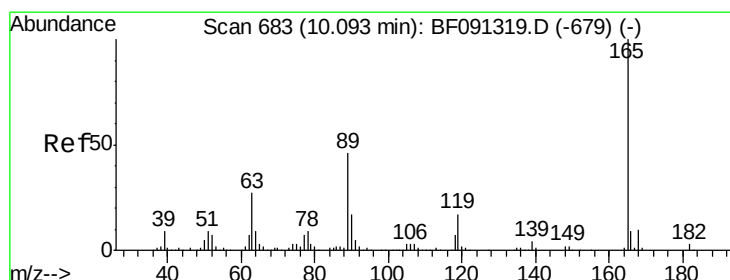
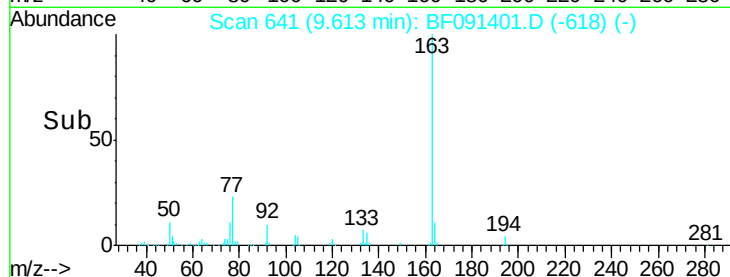
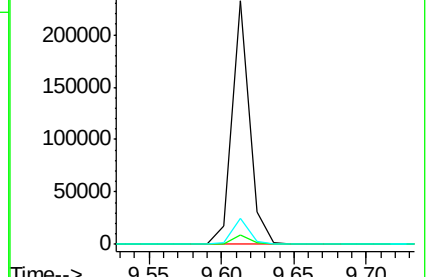
164 10.8 7.8 11.8



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



#56

2,4-Dinitrotoluene

Concen: 7.44 ng

RT: 9.90 min Scan# 666

Delta R.T. -0.20 min

Lab File: BF091401.D

Acq: 2 Dec 2016 20:47

Tgt Ion:165 Resp: 63952

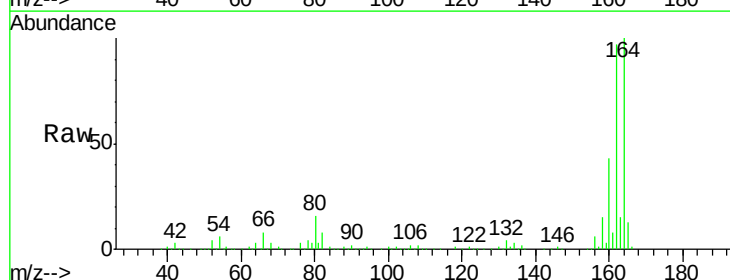
Ion Ratio Lower Upper

165 100

63 0.8 29.0 43.4#

89 0.8 43.1 64.7#

182 0.0 1.9 2.9#

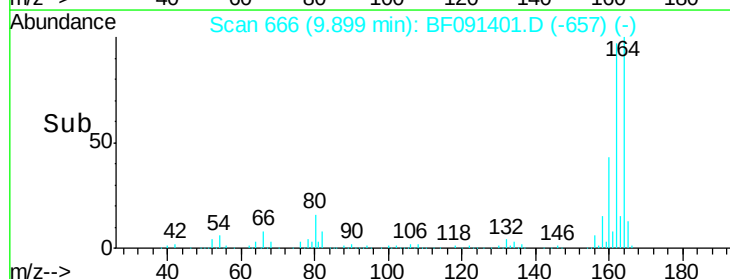
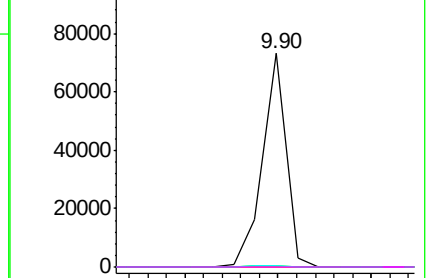


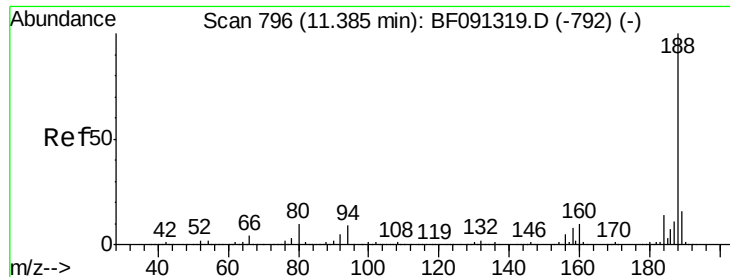
Abundance Ion 165.00 (164.70 to 165.70): E

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

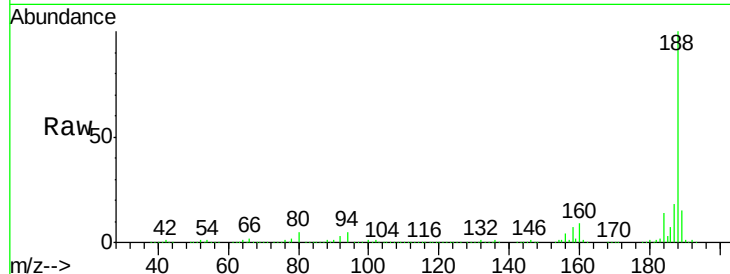




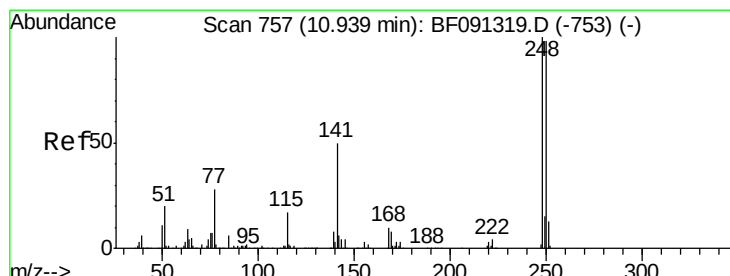
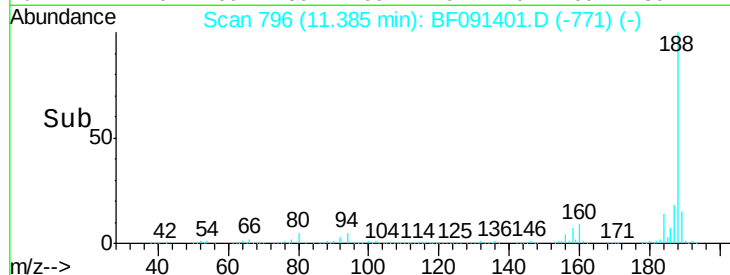
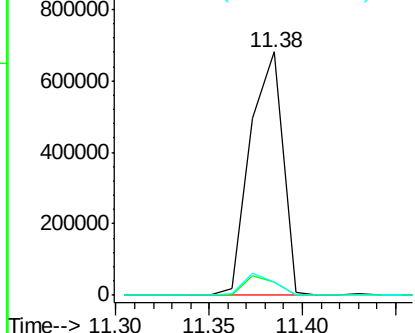
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.38 min Scan# 796
 Delta R.T. -0.02 min
 Lab File: BF091401.D
 Acq: 2 Dec 2016 20:47

Instrument :
 BNA_F
 ClientSampleId :
 113016-10

Tgt Ion:188 Resp: 824680
 Ion Ratio Lower Upper
 188 100
 94 5.4 9.2 13.8#
 80 5.2 10.5 15.7#

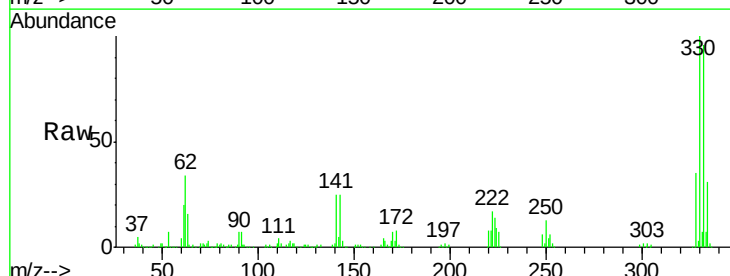


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

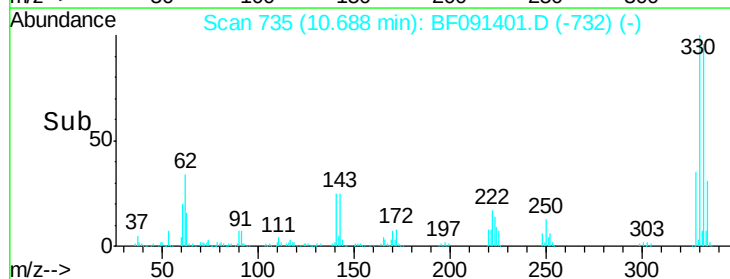
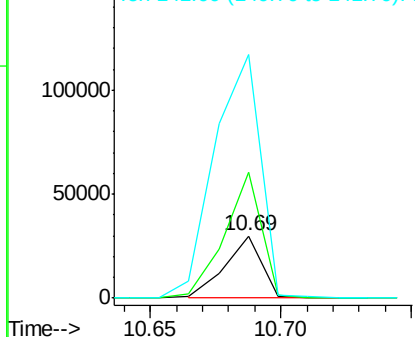


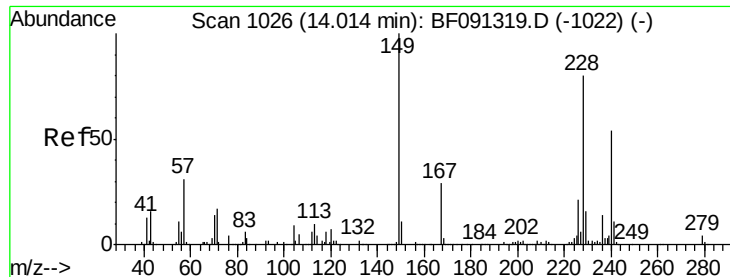
#66
 4-Bromophenyl-phenylether
 Concen: 3.27 ng
 RT: 10.69 min Scan# 735
 Delta R.T. -0.27 min
 Lab File: BF091401.D
 Acq: 2 Dec 2016 20:47

Tgt Ion:248 Resp: 29008
 Ion Ratio Lower Upper
 248 100
 250 202.3 78.2 117.4#
 141 393.1 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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1026

Delta R.T. -0.03 min

Lab File: BF091401.D

Acq: 2 Dec 2016 20:47

Instrument :

BNA_F

ClientSampleId :

113016-10

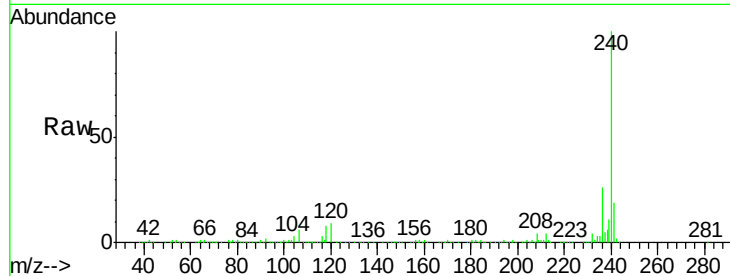
Tgt Ion:240 Resp: 703485

Ion Ratio Lower Upper

240 100

120 8.6 12.1 18.1#

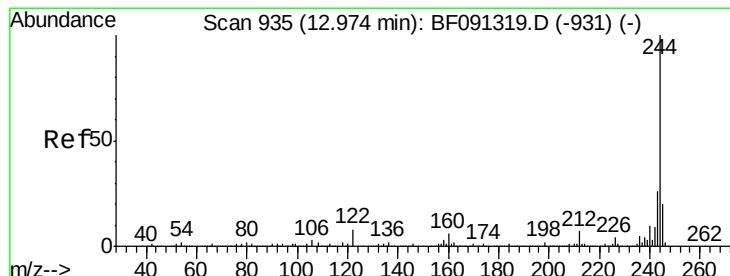
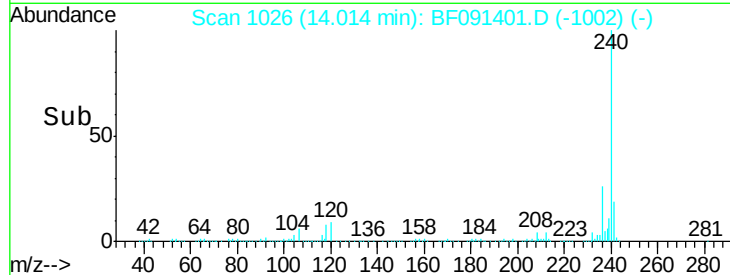
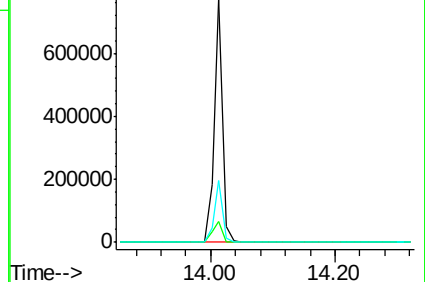
236 25.6 21.0 31.6



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



#78

Terphenyl-d14

Concen: 56.59 ng

RT: 12.97 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF091401.D

Acq: 2 Dec 2016 20:47

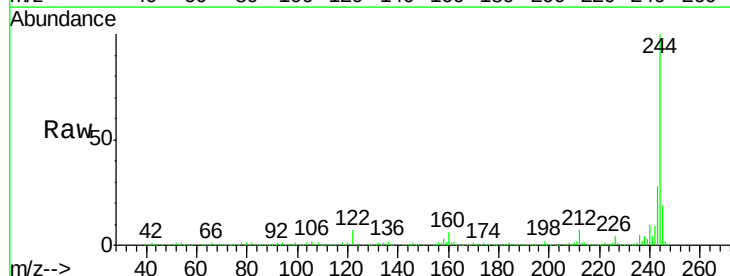
Tgt Ion:244 Resp: 1831592

Ion Ratio Lower Upper

244 100

212 6.9 6.5 9.7

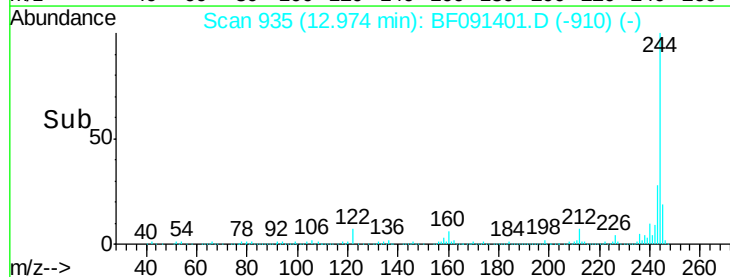
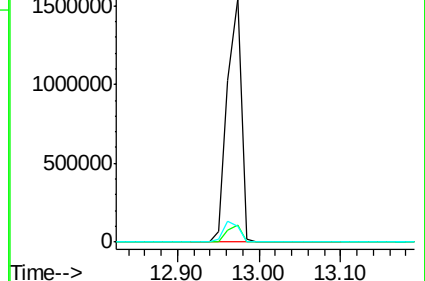
122 6.5 9.5 14.3#

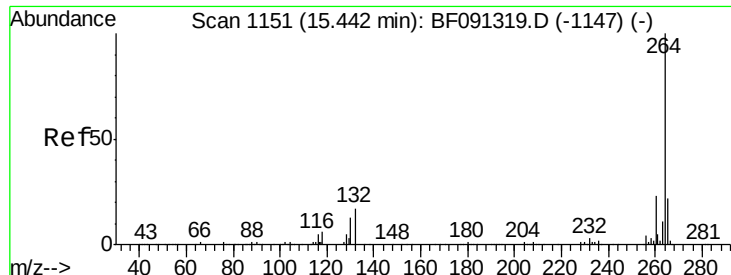


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.44 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF091401.D
Acq: 2 Dec 2016 20:47

Instrument :
BNA_F
ClientSampleId :
113016-10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.8	28.2
265	21.2	17.0	25.6

