

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110816\
 Data File : BF091111.D
 Acq On : 9 Nov 2016 5:33
 Operator : UM/SJ
 Sample : H5593-07
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TANK-GRAVEBOTTOM

Quant Time: Nov 09 06:06:44 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 12:59:29 2016
 Response via : Initial Calibration

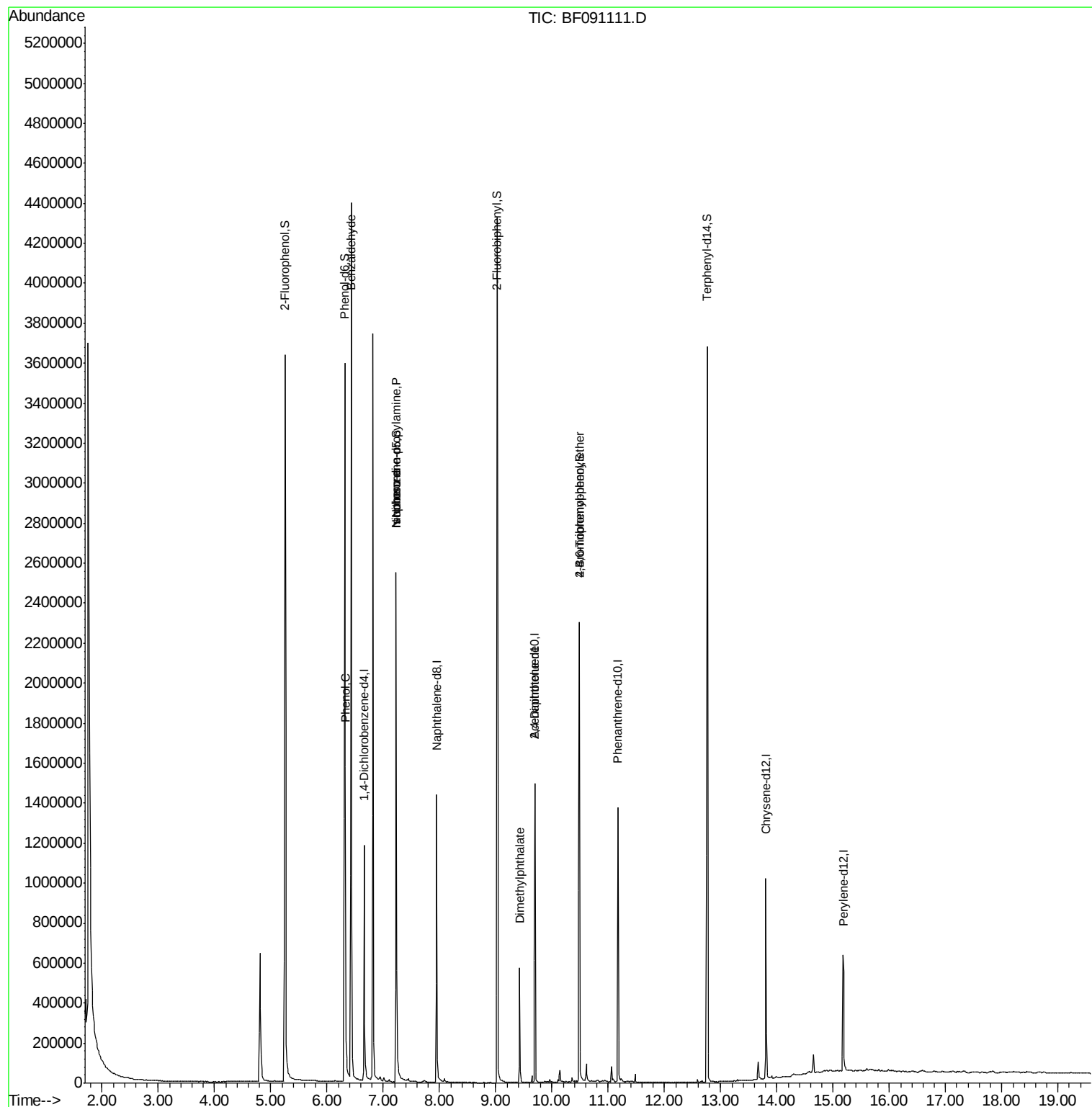
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	185034	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	736184	20.00	ng	0.00
38) Acenaphthene-d10	9.70	164	343362	20.00	ng	0.00
63) Phenanthrene-d10	11.17	188	467389	20.00	ng	0.00
75) Chrysene-d12	13.80	240	333118	20.00	ng	-0.01
86) Perylene-d12	15.19	264	295028	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	1298194	115.87	ng	0.01
7) Phenol-d6	6.32	99	1663260	109.37	ng	0.00
23) Nitrobenzene-d5	7.23	82	989748	73.34	ng	-0.01
41) 2,4,6-Tribromophenol	10.49	330	294377	94.83	ng	0.00
44) 2-Fluorobiphenyl	9.02	172	1473320	73.87	ng	-0.01
78) Terphenyl-d14	12.76	244	1118854	83.82	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.43	77	30229	3.58	ng	88
10) Phenol	6.33	94	84685	5.03	ng	79
19) n-Nitroso-di-n-propylamine	7.23	70	136976	13.00	ng	# 78
25) Isophorone	7.23	82	867119	33.34	ng	# 67
49) Dimethylphthalate	9.42	163	221086	9.82	ng	98
56) 2,4-Dinitrotoluene	9.70	165	43649	7.11	ng	# 26
66) 4-Bromophenyl-phenylether	10.49	248	20380	4.19	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: 6.66 min Scan# 435

Delta R.T. -0.00 min

Lab File: BF091111.D

Acq: 9 Nov 2016 5:33

Instrument :

BNA_F

ClientSampleId :

TANK-GRAVEBOTTOM

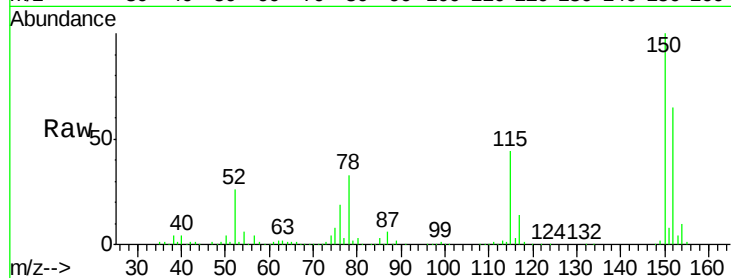
Tgt Ion:152 Resp: 185034

Ion Ratio Lower Upper

152 100

150 154.3 126.8 190.2

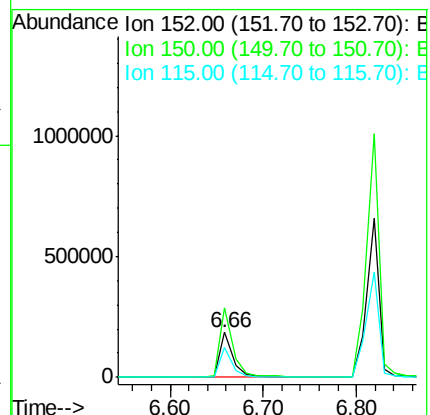
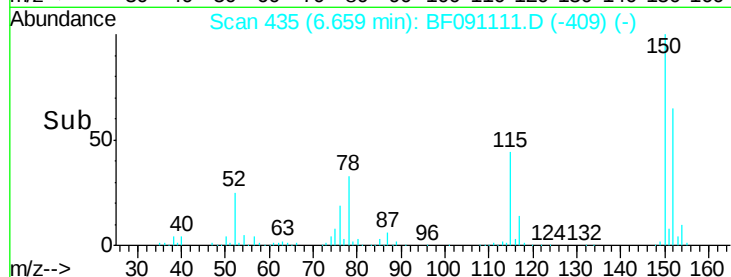
115 67.8 53.3 79.9



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: 115.87 ng

RT: 5.25 min Scan# 312

Delta R.T. 0.01 min

Lab File: BF091111.D

Acq: 9 Nov 2016 5:33

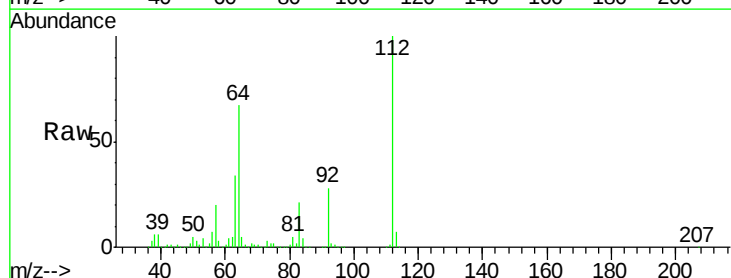
Tgt Ion:112 Resp: 1298194

Ion Ratio Lower Upper

112 100

64 66.7 55.8 83.6

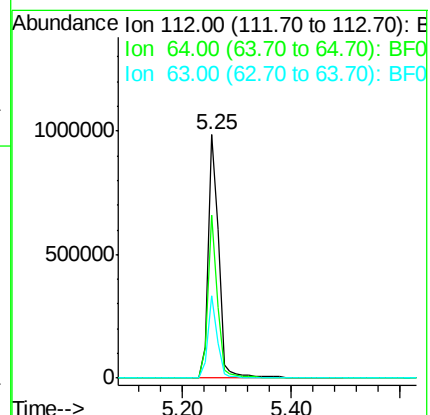
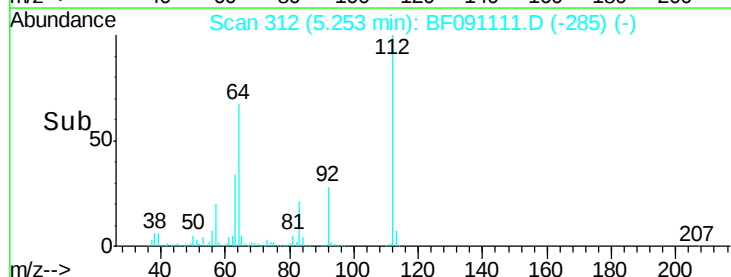
63 33.9 28.0 42.0

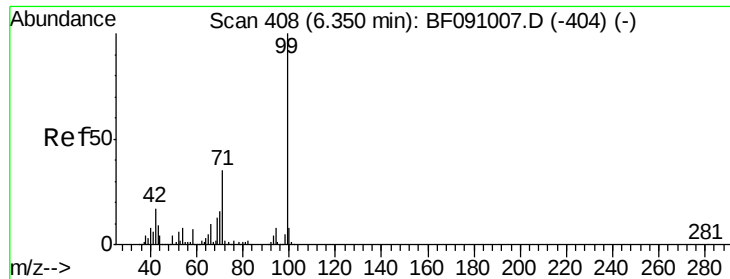


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 109.37 ng

RT: 6.32 min Scan# 405

Delta R.T. -0.00 min

Lab File: BF091111.D

Acq: 9 Nov 2016 5:33

Instrument :

BNA_F

ClientSampleId :

TANK-GRAVEBOTTOM

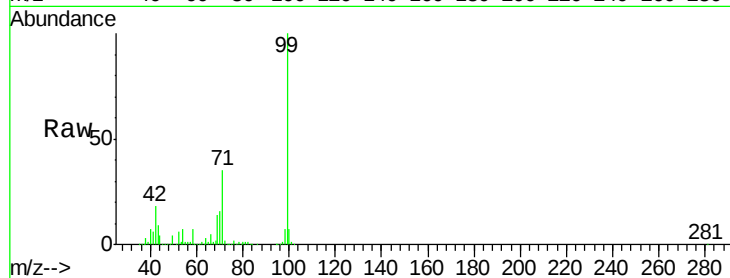
Tgt Ion: 99 Resp: 1663260

Ion Ratio Lower Upper

99 100

42 17.8 13.9 20.9

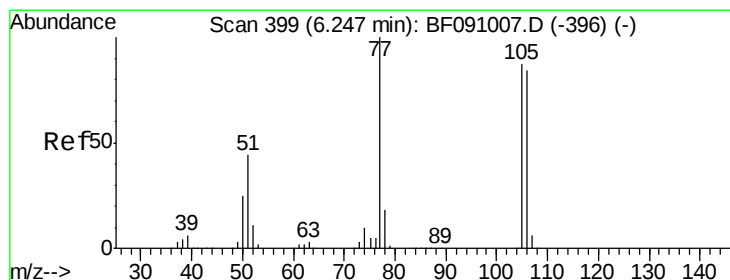
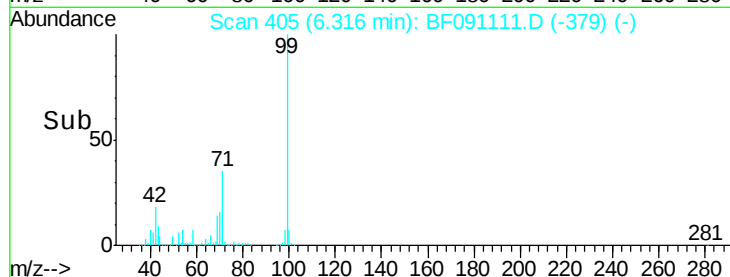
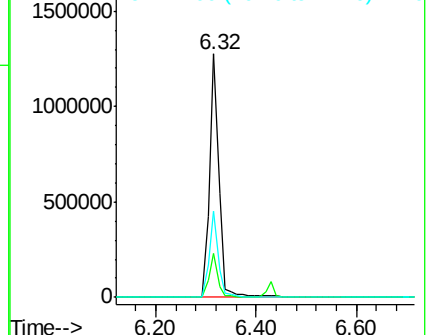
71 35.1 27.8 41.8



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: 3.58 ng

RT: 6.43 min Scan# 415

Delta R.T. 0.23 min

Lab File: BF091111.D

Acq: 9 Nov 2016 5:33

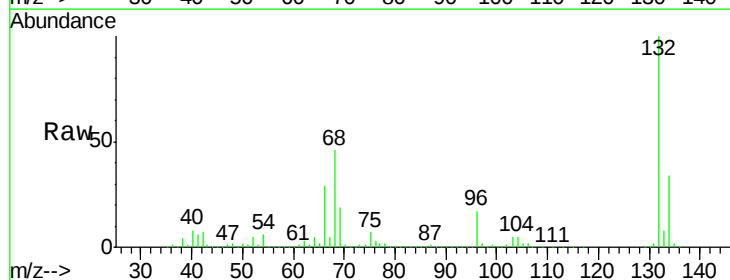
Tgt Ion: 77 Resp: 30229

Ion Ratio Lower Upper

77 100

105 78.8 66.8 106.8

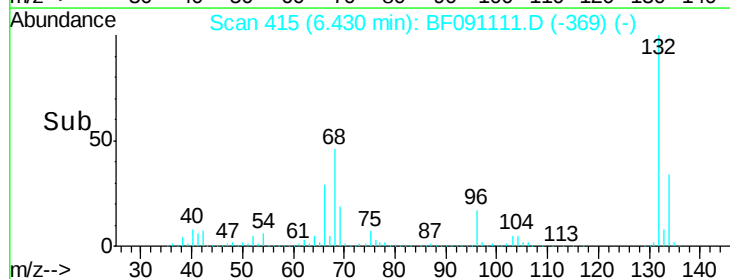
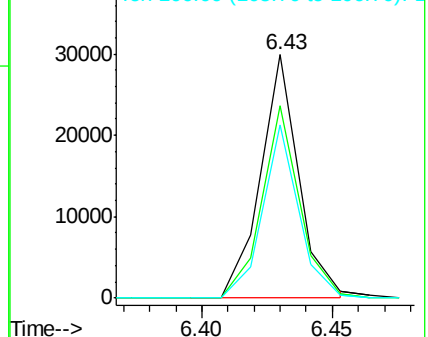
106 70.9 64.0 104.0

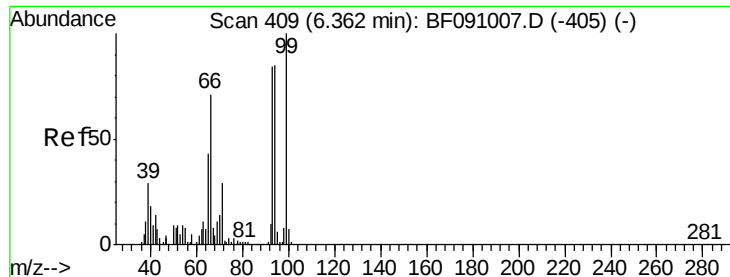


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 5.03 ng

RT: 6.33 min Scan# 406

Delta R.T. -0.00 min

Lab File: BF091111.D

Acq: 9 Nov 2016 5:33

Instrument :

BNA_F

ClientSampleId :

TANK-GRAVEBOTTOM

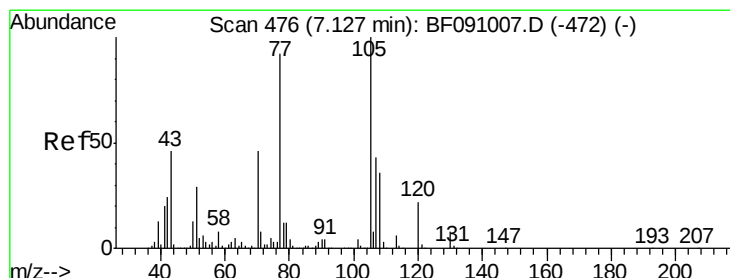
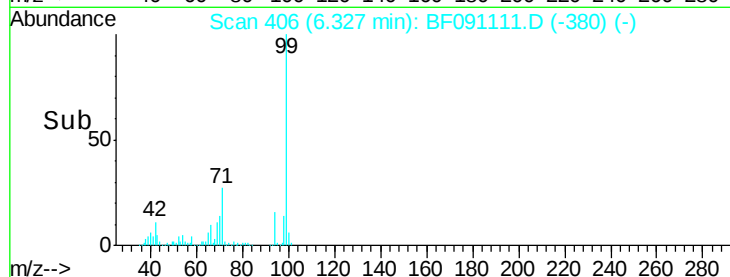
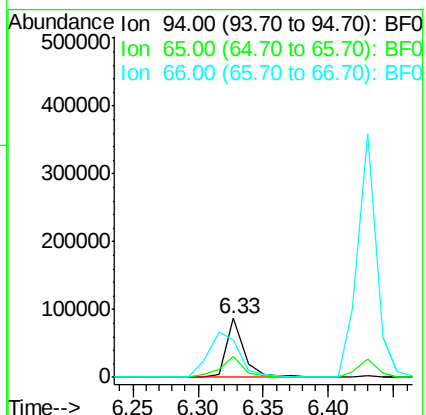
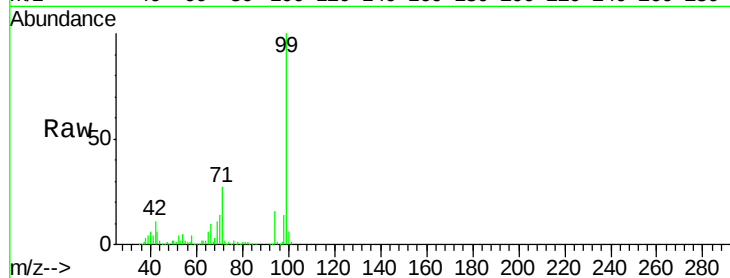
Tgt Ion: 94 Resp: 84685

Ion Ratio Lower Upper

94 100

65 35.9 30.4 70.4

66 63.5 62.9 102.9



#19

n-Nitroso-di-n-propylamine

Concen: 13.00 ng

RT: 7.23 min Scan# 485

Delta R.T. 0.14 min

Lab File: BF091111.D

Acq: 9 Nov 2016 5:33

Tgt Ion: 70 Resp: 136976

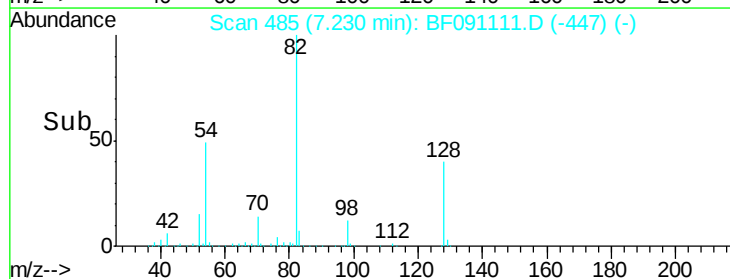
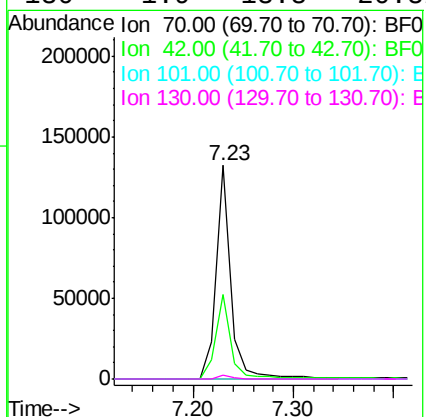
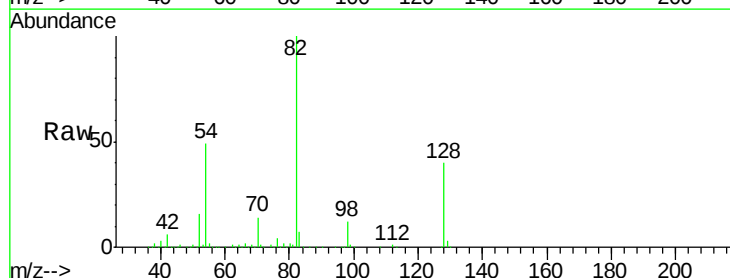
Ion Ratio Lower Upper

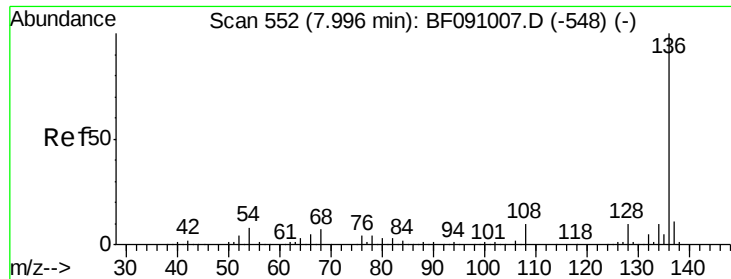
70 100

42 39.7 41.7 62.5#

101 0.0 6.7 10.1#

130 1.9 13.8 20.8#

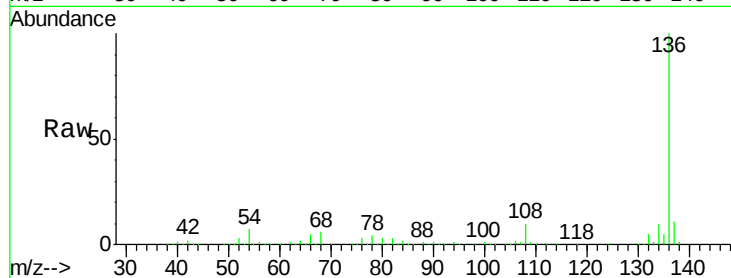




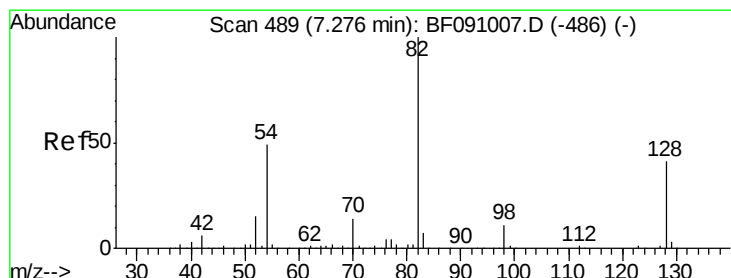
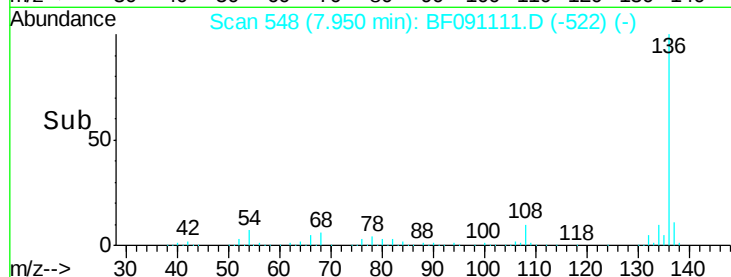
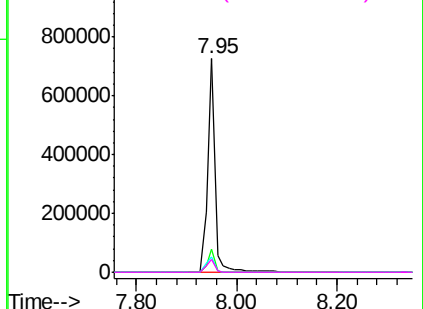
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 548
Delta R.T. -0.00 min
Lab File: BF091111.D
Acq: 9 Nov 2016 5:33

Instrument :
BNA_F
ClientSampleId :
TANK-GRAVEBOTTOM

Tgt Ion:	136	Resp:	736184
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.1	6.2	9.2
68	6.2	5.5	8.3

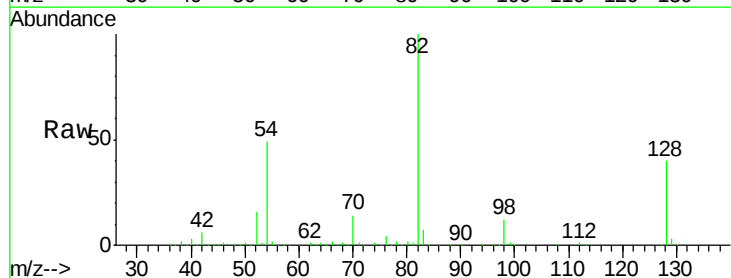


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

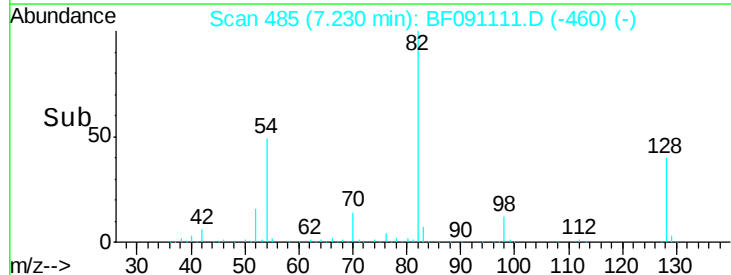
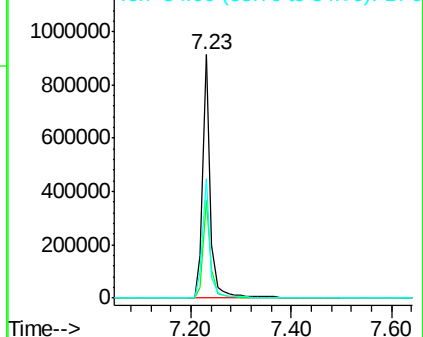


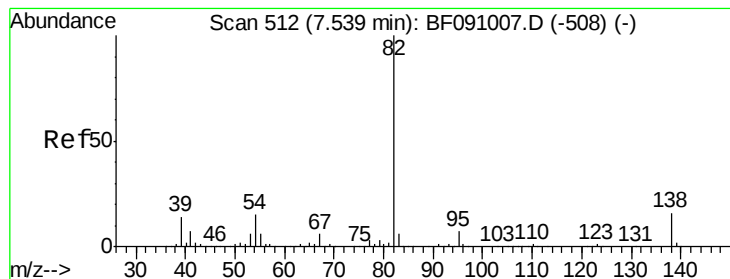
#23
Nitrobenzene-d5
Concen: 73.34 ng
RT: 7.23 min Scan# 485
Delta R.T. -0.01 min
Lab File: BF091111.D
Acq: 9 Nov 2016 5:33

Tgt Ion:	82	Resp:	989748
Ion	Ratio	Lower	Upper
82	100		
128	40.1	32.4	48.6
54	49.0	39.2	58.8



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: 33.34 ng

RT: 7.23 min Scan# 485

Delta R.T. -0.26 min

Lab File: BF091111.D

Acq: 9 Nov 2016 5:33

Instrument :

BNA_F

ClientSampleId :

TANK-GRAVEBOTTOM

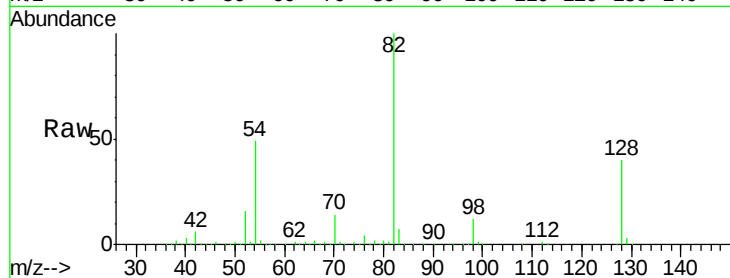
Tgt Ion: 82 Resp: 867119

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

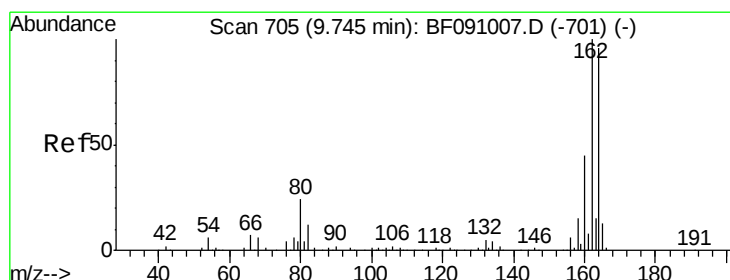
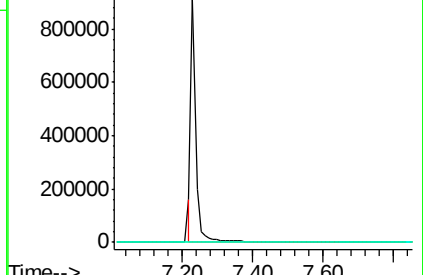
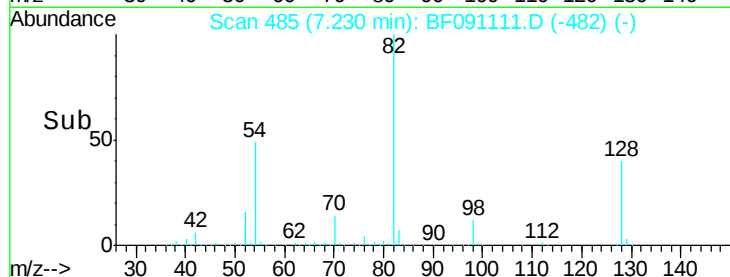
138 0.0 13.0 19.4#



Abundance Ion 82.00 (81.70 to 82.70): BF091111.D (-482) (-)

Ion 95.00 (94.70 to 95.70): BF091111.D (-482) (-)

Ion 138.00 (137.70 to 138.70): BF091111.D (-482) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.70 min Scan# 701

Delta R.T. -0.00 min

Lab File: BF091111.D

Acq: 9 Nov 2016 5:33

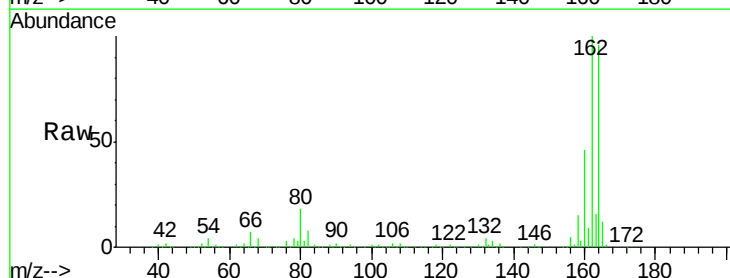
Tgt Ion: 164 Resp: 343362

Ion Ratio Lower Upper

164 100

162 104.5 83.6 125.4

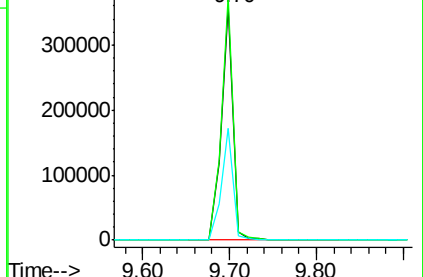
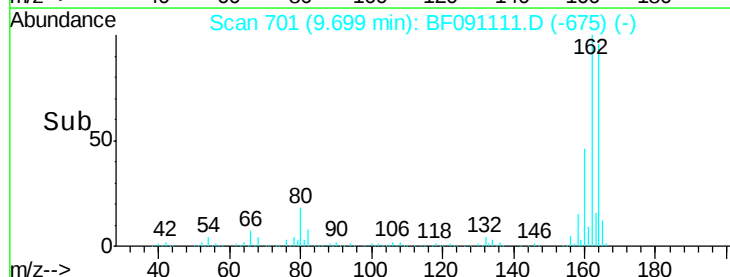
160 47.7 37.9 56.9

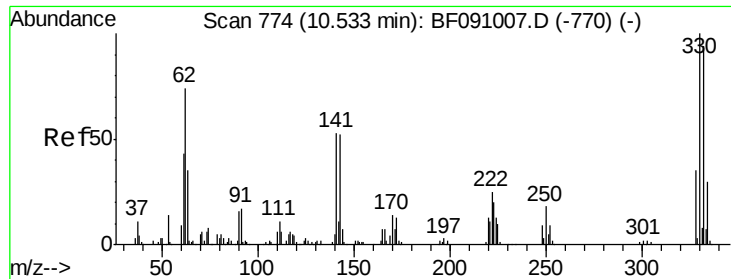


Abundance Ion 164.00 (163.70 to 164.70): BF091111.D (-675) (-)

Ion 162.00 (161.70 to 162.70): BF091111.D (-675) (-)

Ion 160.00 (159.70 to 160.70): BF091111.D (-675) (-)

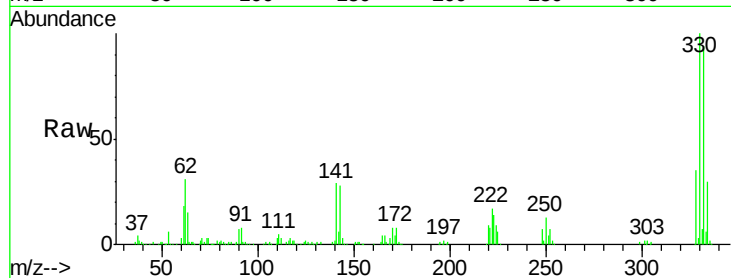




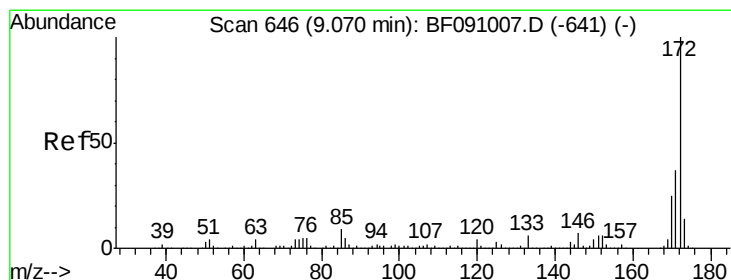
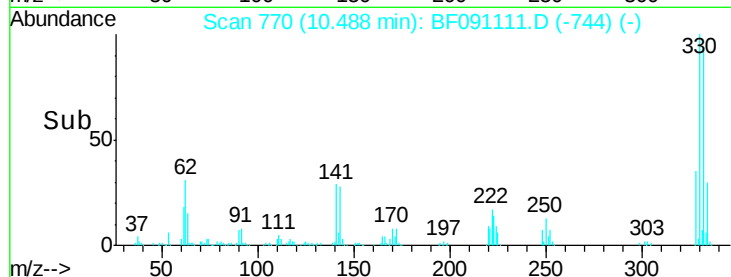
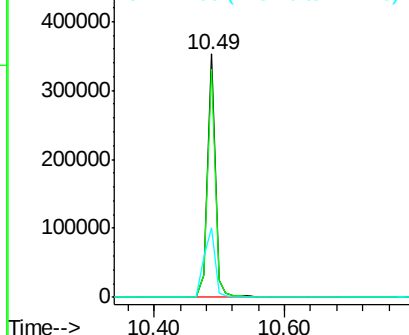
#41
 2,4,6-Tribromophenol
 Concen: 94.83 ng
 RT: 10.49 min Scan# 770
 Delta R.T. -0.00 min
 Lab File: BF091111.D
 Acq: 9 Nov 2016 5:33

Instrument :
 BNA_F
 ClientSampleId :
 TANK-GRAVEBOTTOM

Tgt Ion:330 Resp: 294377
 Ion Ratio Lower Upper
 330 100
 332 94.9 75.9 113.9
 141 40.5 36.1 54.1

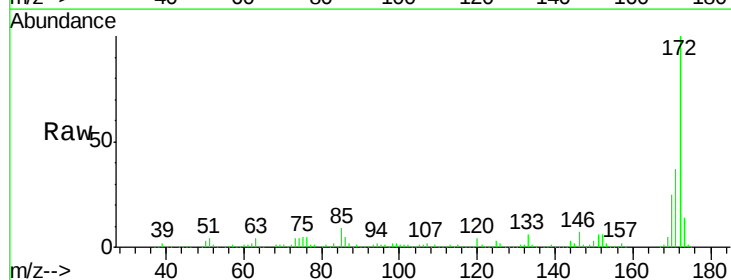


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

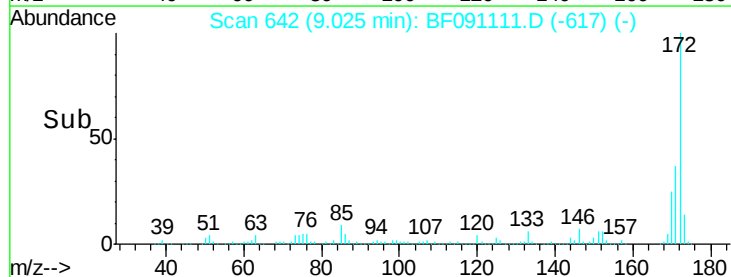
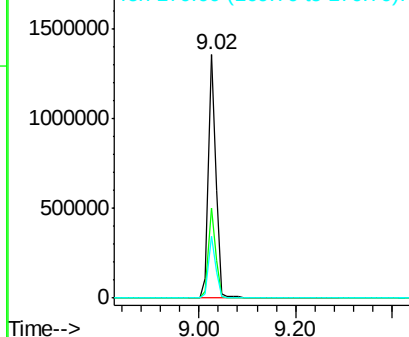


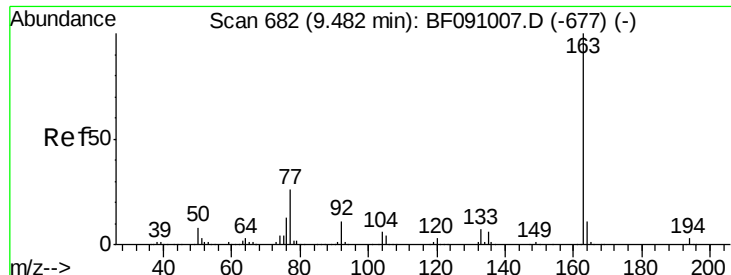
#44
 2-Fluorobiphenyl
 Concen: 73.87 ng
 RT: 9.02 min Scan# 642
 Delta R.T. -0.01 min
 Lab File: BF091111.D
 Acq: 9 Nov 2016 5:33

Tgt Ion:172 Resp: 1473320
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.8 44.6
 170 25.4 20.3 30.5



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





#49

Dimethylphthalate

Concen: 9.82 ng

RT: 9.42 min Scan# 677

Delta R.T. -0.01 min

Lab File: BF091111.D

Acq: 9 Nov 2016 5:33

Instrument :

BNA_F

ClientSampleId :

TANK-GRAVEBOTTOM

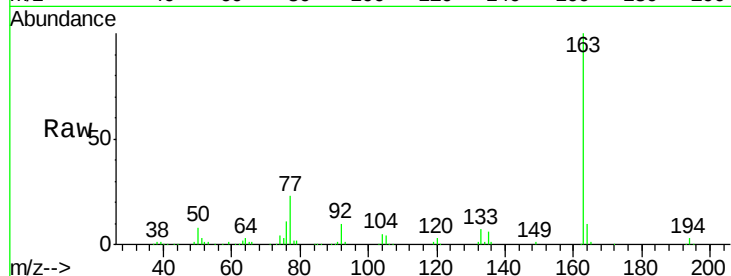
Tgt Ion:163 Resp: 221086

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

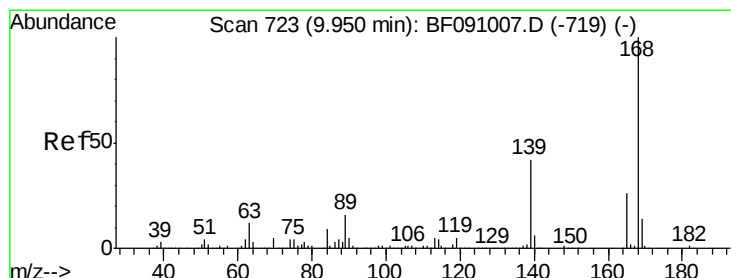
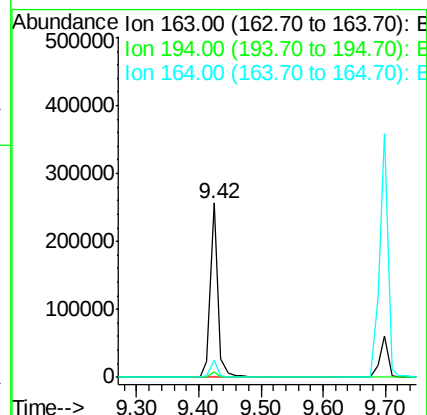
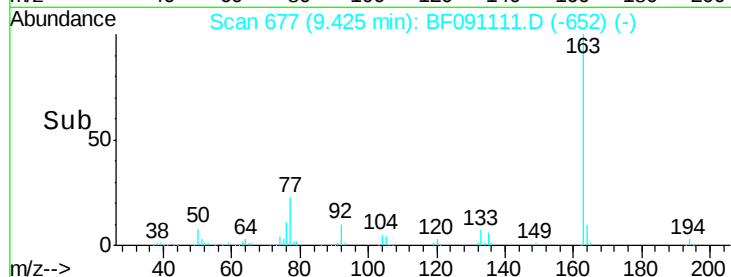
164 9.9 8.7 13.1



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: 7.11 ng

RT: 9.70 min Scan# 701

Delta R.T. -0.21 min

Lab File: BF091111.D

Acq: 9 Nov 2016 5:33

Tgt Ion:165 Resp: 43649

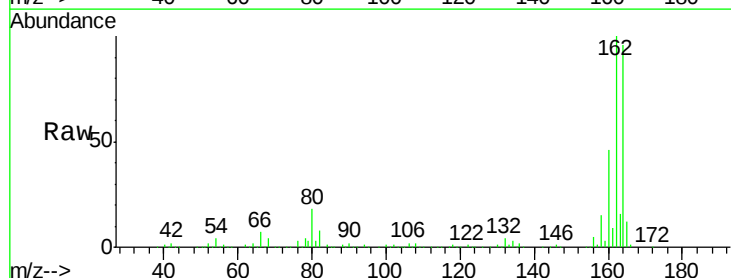
Ion Ratio Lower Upper

165 100

63 1.3 38.7 58.1#

89 1.1 50.6 76.0#

182 0.0 1.8 2.8#

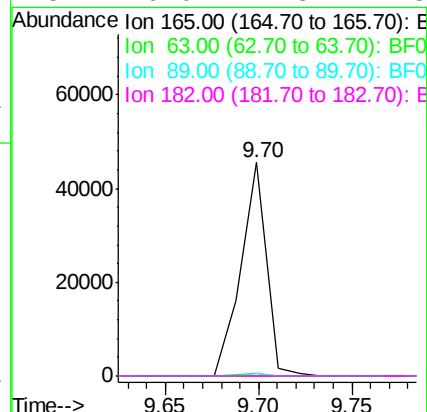
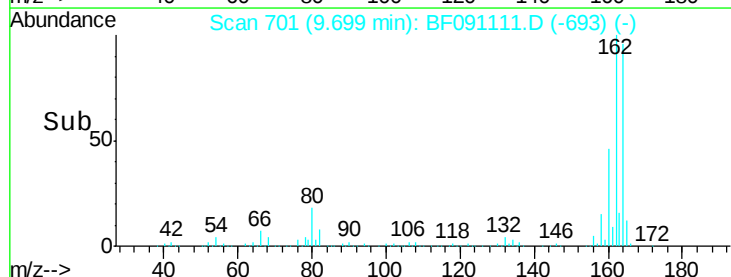


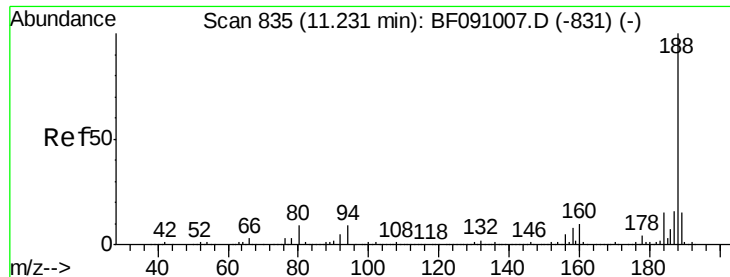
Abundance Ion 165.00 (164.70 to 165.70): E

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

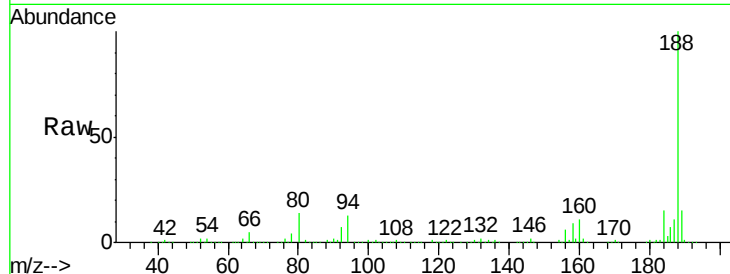




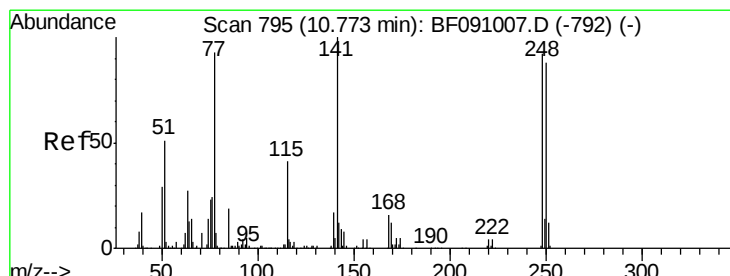
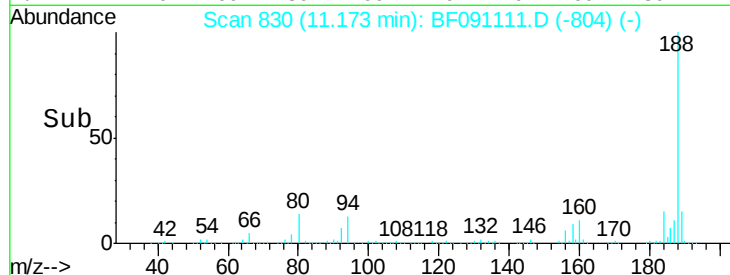
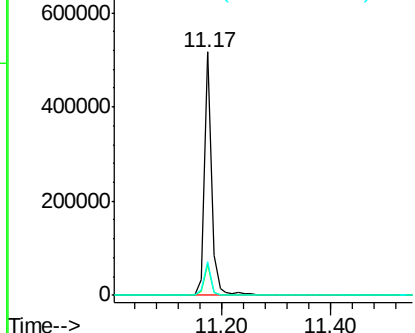
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.17 min Scan# 830
 Delta R.T. -0.00 min
 Lab File: BF091111.D
 Acq: 9 Nov 2016 5:33

Instrument :
 BNA_F
 ClientSampleId :
 TANK-GRAVEBOTTOM

Tgt Ion:188 Resp: 467389
 Ion Ratio Lower Upper
 188 100
 94 12.6 7.0 10.4#
 80 14.1 7.5 11.3#

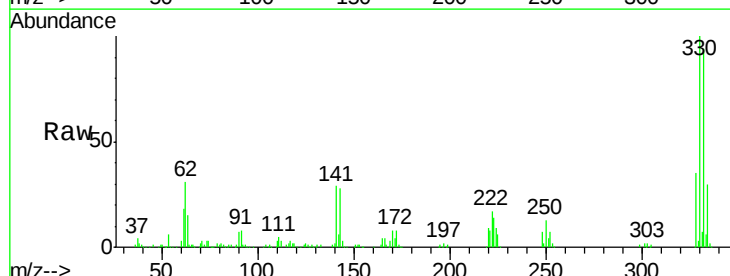


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

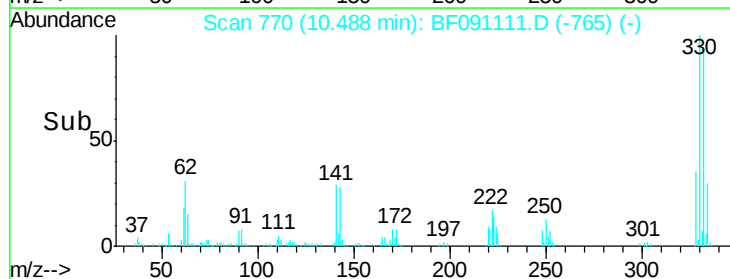
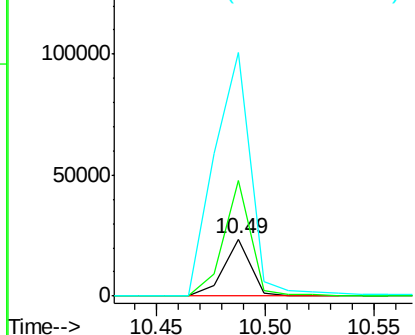


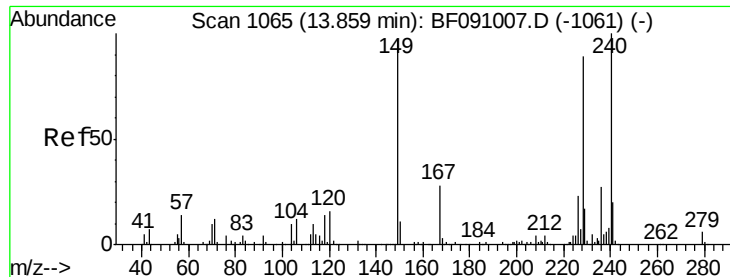
#66
 4-Bromophenyl-phenylether
 Concen: 4.19 ng
 RT: 10.49 min Scan# 770
 Delta R.T. -0.24 min
 Lab File: BF091111.D
 Acq: 9 Nov 2016 5:33

Tgt Ion:248 Resp: 20380
 Ion Ratio Lower Upper
 248 100
 250 202.0 76.3 114.5#
 141 426.6 86.8 130.2#



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: 13.80 min Scan# 1060

Delta R.T. -0.01 min

Lab File: BF091111.D

Acq: 9 Nov 2016 5:33

Instrument :

BNA_F

ClientSampleId :

TANK-GRAVEBOTTOM

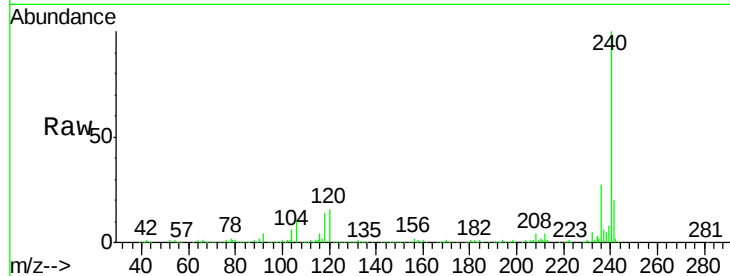
Tgt Ion:240 Resp: 333118

Ion Ratio Lower Upper

240 100

120 15.8 12.9 19.3

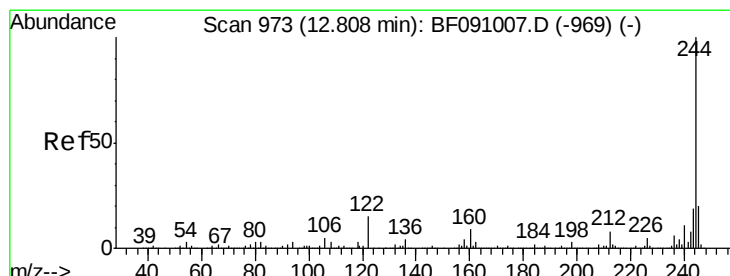
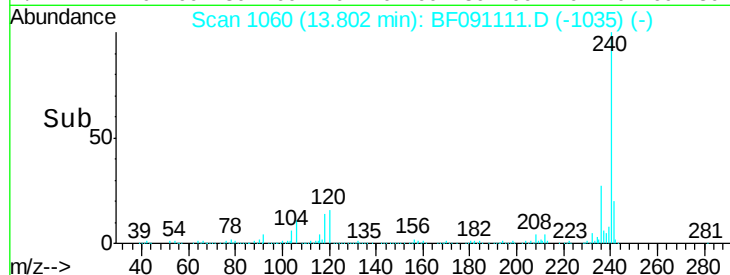
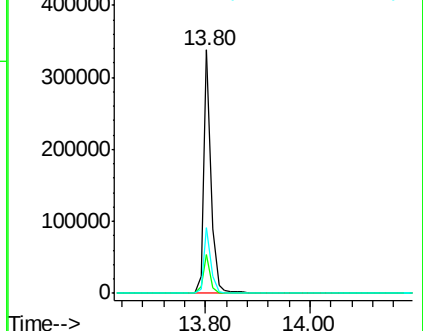
236 27.1 21.9 32.9



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: 83.82 ng

RT: 12.76 min Scan# 969

Delta R.T. -0.00 min

Lab File: BF091111.D

Acq: 9 Nov 2016 5:33

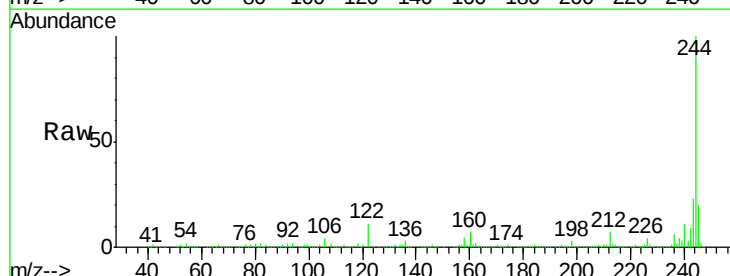
Tgt Ion:244 Resp: 1118854

Ion Ratio Lower Upper

244 100

212 7.4 6.4 9.6

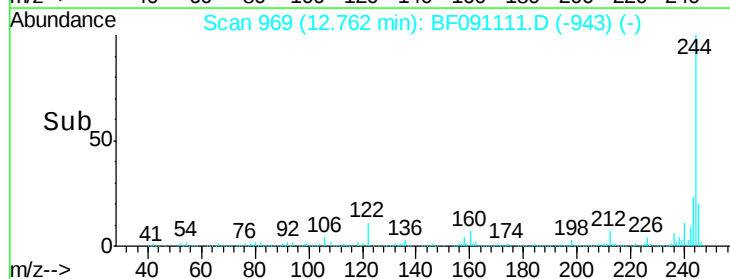
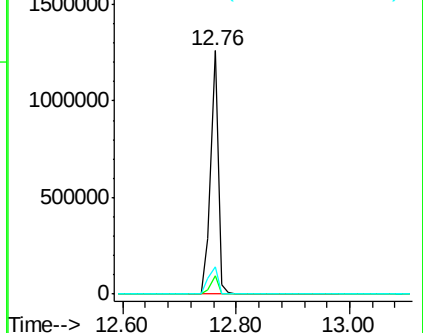
122 11.2 12.3 18.5#

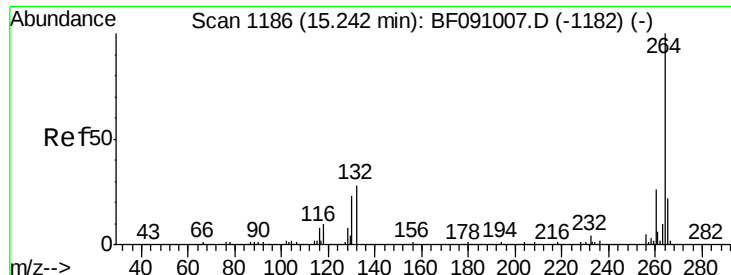


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.19 min Scan# 1181
Delta R.T. -0.00 min
Lab File: BF091111.D
Acq: 9 Nov 2016 5:33

Instrument :
BNA_F
ClientSampleId :
TANK-GRAVEBOTTOM

Tgt Ion: 264 Resp: 295028
Ion Ratio Lower Upper
264 100
260 24.3 20.6 30.8
265 21.0 17.8 26.8

