

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111116\
 Data File : BF091151.D
 Acq On : 11 Nov 2016 20:19
 Operator : UM/SJ
 Sample : H5609-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-15R

Quant Time: Nov 11 23:58:16 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	6.65	152	147485	20.00	ng	-0.01
21) Naphthalene-d8	7.93	136	650092	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	329141	20.00	ng	-0.02
63) Phenanthrene-d10	11.15	188	463421	20.00	ng	-0.02
75) Chrysene-d12	13.78	240	277852	20.00	ng	-0.03
86) Perylene-d12	15.15	264	258501	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.24	112	535395	59.95	ng	0.00
7) Phenol-d6	6.30	99	459576	37.92	ng	-0.01
23) Nitrobenzene-d5	7.22	82	1144116	96.01	ng	-0.02
41) 2,4,6-Tribromophenol	10.46	330	402633	135.31	ng	-0.02
44) 2-Fluorobiphenyl	9.01	172	1812210	94.79	ng	-0.02
78) Terphenyl-d14	12.74	244	1276519	114.65	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.42	77	26268	3.90	ng	90
10) Phenol	6.32	94	28960	2.16	ng	88
15) Benzyl Alcohol	6.80	79	17721	2.07	ng	# 55
19) n-Nitroso-di-n-propylamine	7.22	70	158190	18.83	ng	# 74
25) Isophorone	7.22	82	1121173	48.82	ng	# 67
32) Benzoic acid	7.93	122	206	5.10	ng	# 1
55) 4-Nitrophenol	9.84	139	251	5.80	ng	# 46
56) 2,4-Dinitrotoluene	9.68	165	43109	7.33	ng	# 27
66) 4-Bromophenyl-phenylether	10.46	248	25772	5.35	ng	# 1

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.65 min Scan# 434

Delta R.T. -0.01 min

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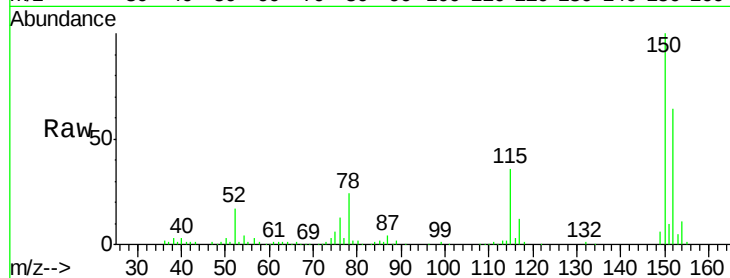
Tgt Ion:152 Resp: 147485

Ion Ratio Lower Upper

152 100

150 155.9 126.8 190.2

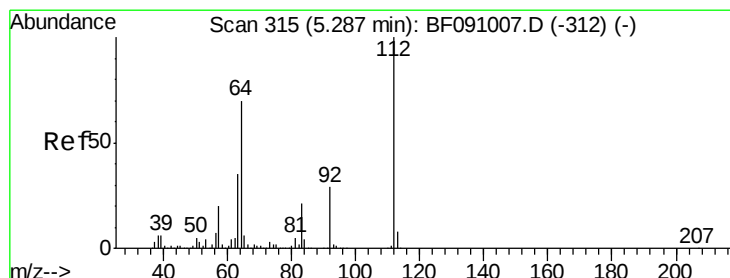
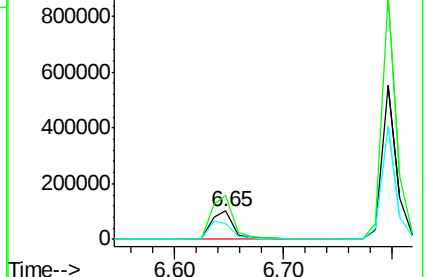
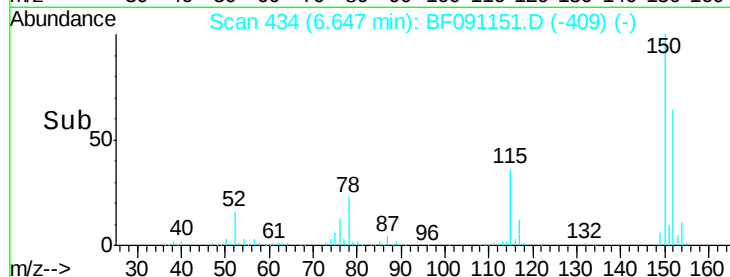
115 56.6 53.3 79.9



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: 59.95 ng

RT: 5.24 min Scan# 311

Delta R.T. 0.00 min

Lab File: BF091151.D

Acq: 11 Nov 2016 20:19

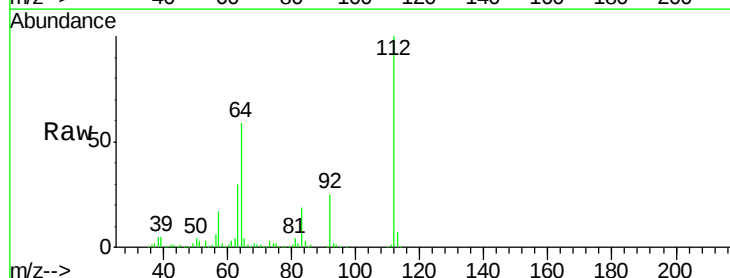
Tgt Ion:112 Resp: 535395

Ion Ratio Lower Upper

112 100

64 58.7 55.8 83.6

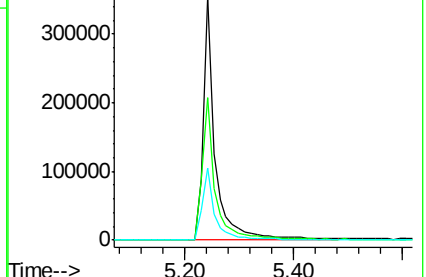
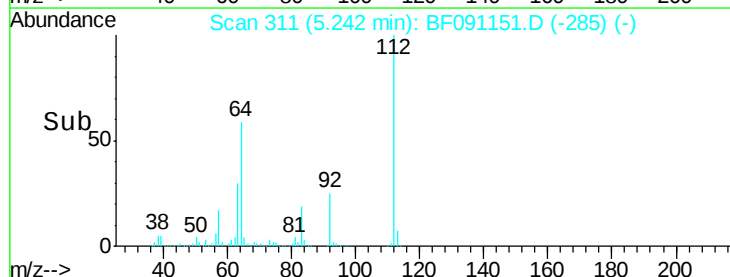
63 29.6 28.0 42.0



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: 37.92 ng

RT: 6.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: BF091151.D

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Instrument :

BNA_F

ClientSampleId :

MW-15R

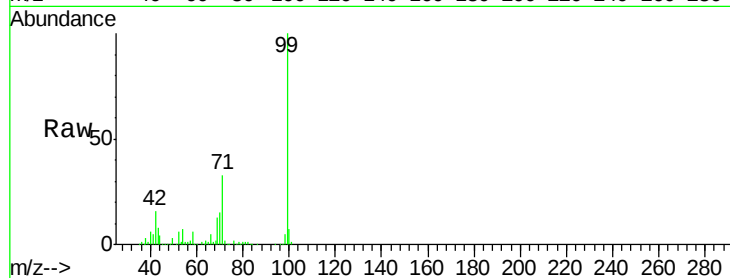
Tgt Ion: 99 Resp: 459576

Ion Ratio Lower Upper

99 100

42 15.8 13.9 20.9

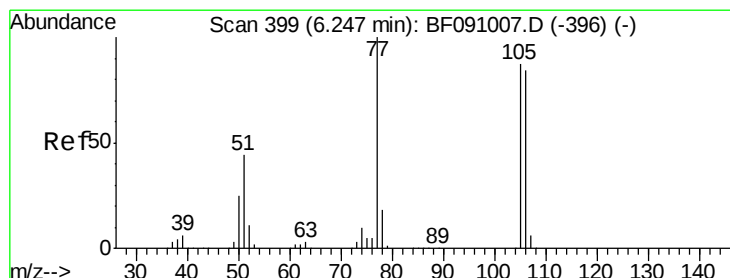
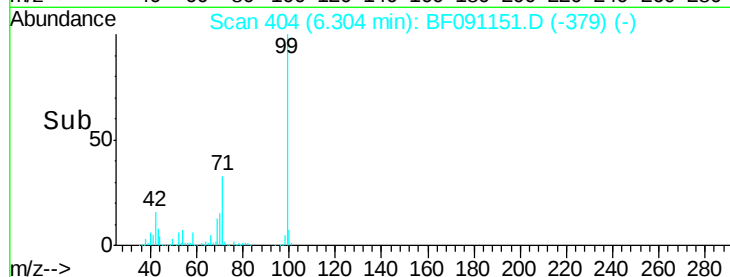
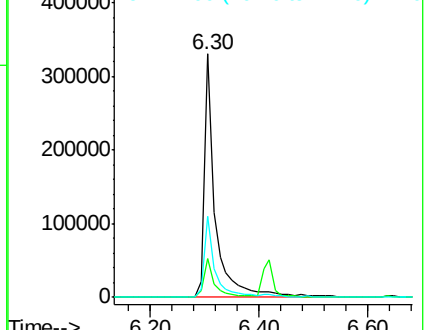
71 33.3 27.8 41.8



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: 3.90 ng

RT: 6.42 min Scan# 414

Delta R.T. 0.22 min

Lab File: BF091151.D

Acq: 11 Nov 2016 20:19

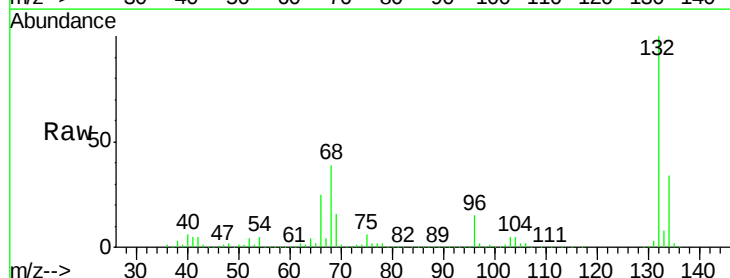
Tgt Ion: 77 Resp: 26268

Ion Ratio Lower Upper

77 100

105 81.8 66.8 106.8

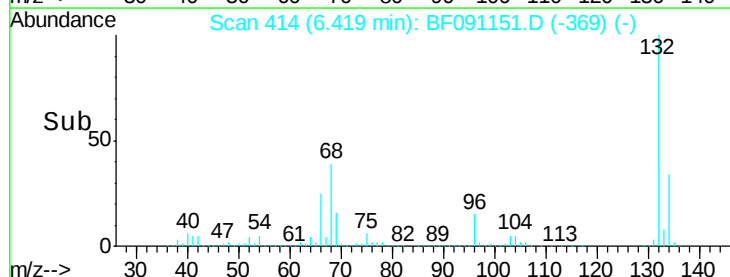
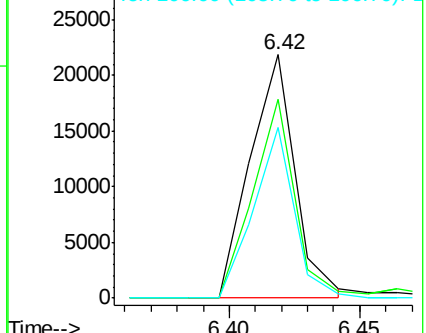
106 70.3 64.0 104.0

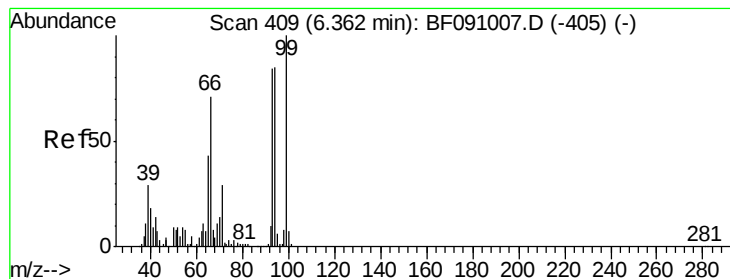


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.16 ng

RT: 6.32 min Scan# 405

Delta R.T. -0.01 min

Lab File: BF091151.D

Acq: 11 Nov 2016 20:19

Instrument :

BNA_F

ClientSampleId :

MW-15R

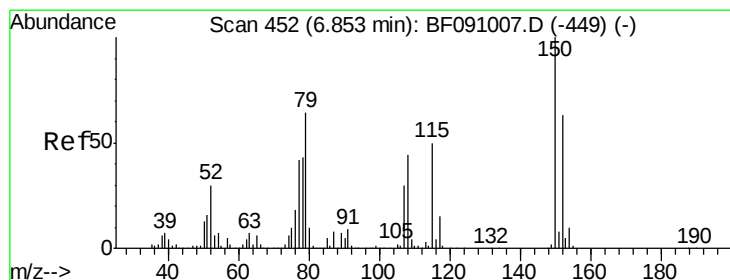
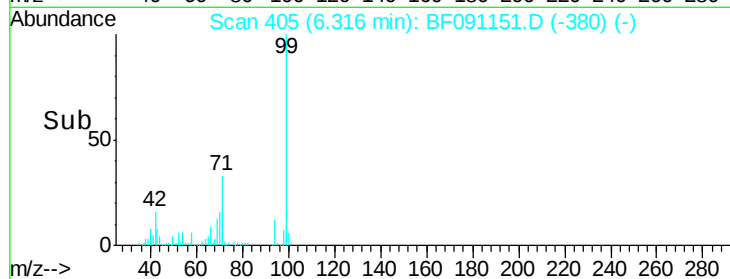
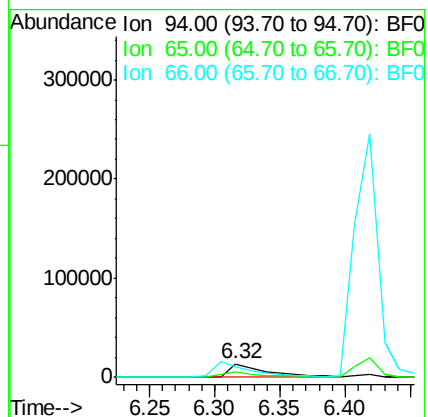
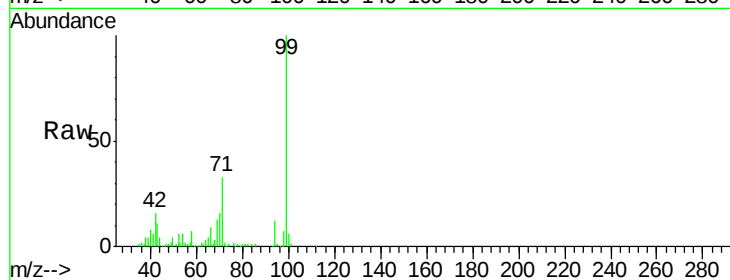
Tgt Ion: 94 Resp: 28960

Ion Ratio Lower Upper

94 100

65 37.4 30.4 70.4

66 76.4 62.9 102.9



#15

Benzyl Alcohol

Concen: 2.07 ng

RT: 6.80 min Scan# 447

Delta R.T. -0.02 min

Lab File: BF091151.D

Acq: 11 Nov 2016 20:19

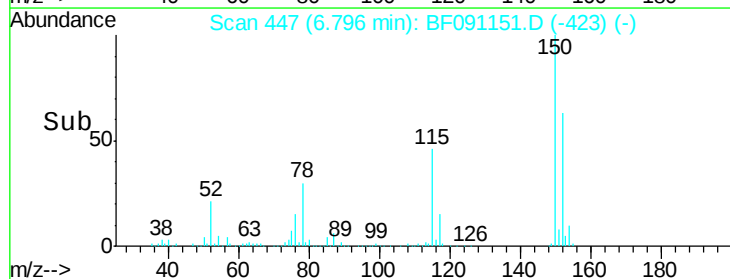
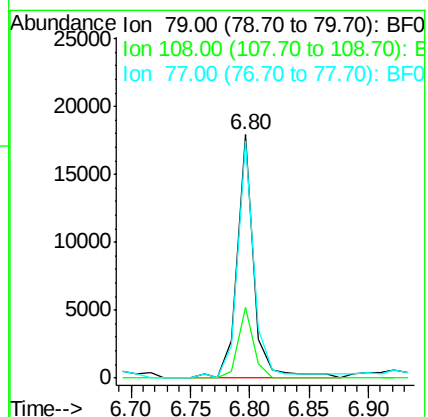
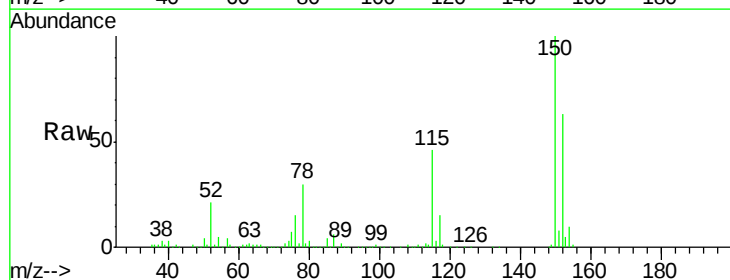
Tgt Ion: 79 Resp: 17721

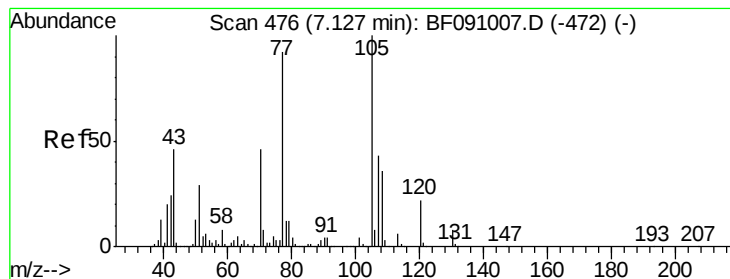
Ion Ratio Lower Upper

79 100

108 28.9 55.7 83.5#

77 97.3 52.6 79.0#





#19

n-Nitroso-di-n-propylamine

Concen: 18.83 ng

RT: 7.22 min Scan# 484

Delta R.T. 0.13 min

Lab File: BF091151.D

Acq: 11 Nov 2016 20:19

Instrument :

BNA_F

ClientSampleId :

MW-15R

Tgt Ion: 70 Resp: 158190

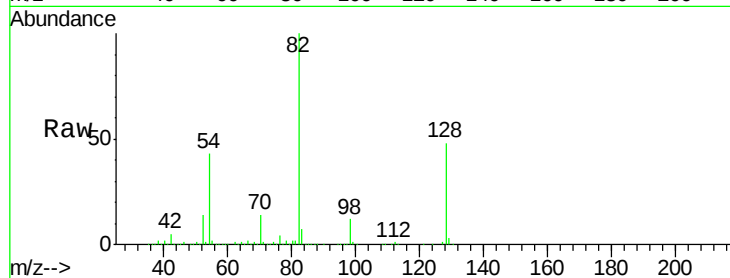
Ion Ratio Lower Upper

70 100

42 35.2 41.7 62.5#

101 0.0 6.7 10.1#

130 2.5 13.8 20.8#

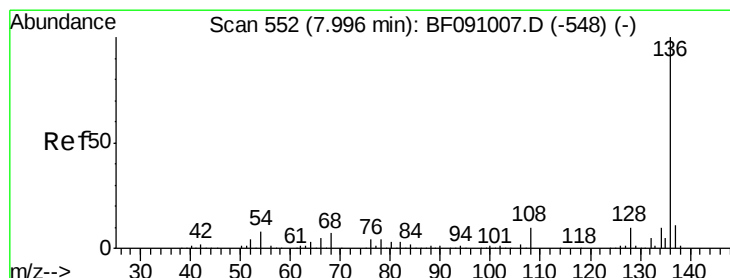
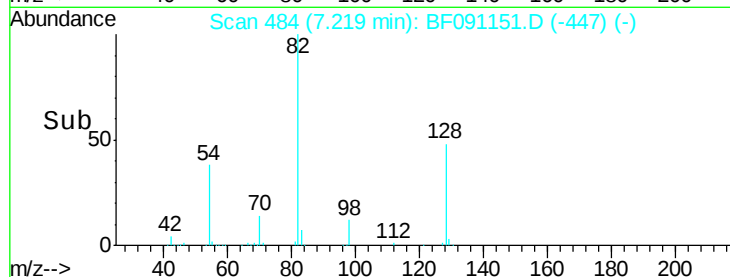
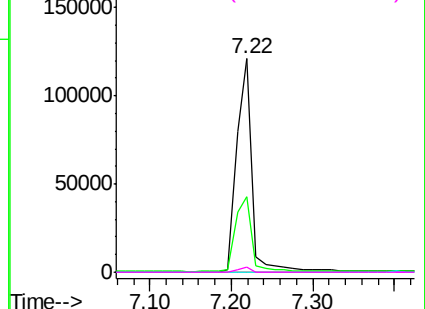


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.93 min Scan# 546

Delta R.T. -0.02 min

Lab File: BF091151.D

Acq: 11 Nov 2016 20:19

Tgt Ion: 136 Resp: 650092

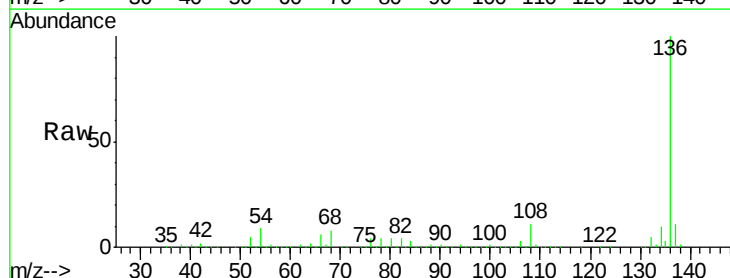
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 9.2 6.2 9.2

68 7.8 5.5 8.3

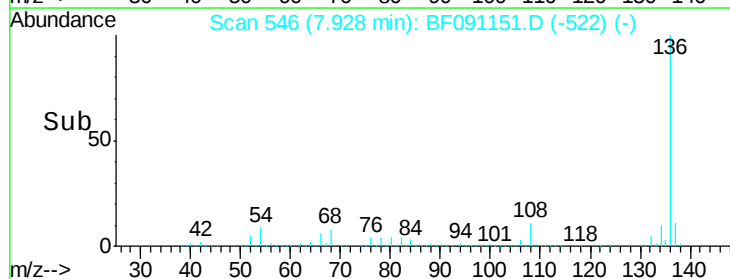
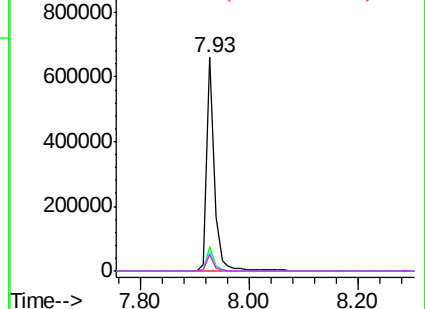


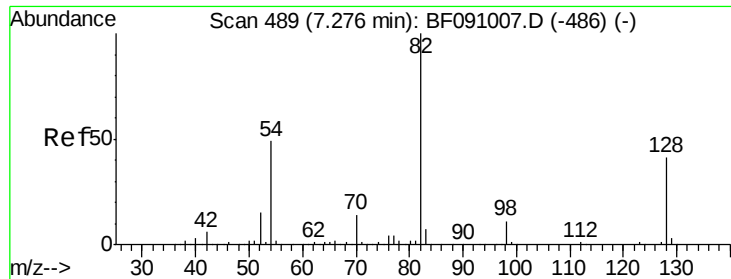
Abundance Ion 136.00 (135.70 to 136.70): E

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

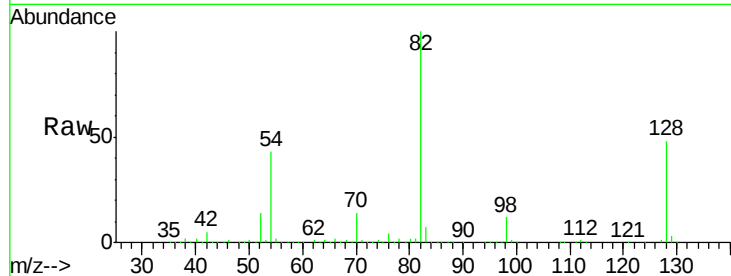




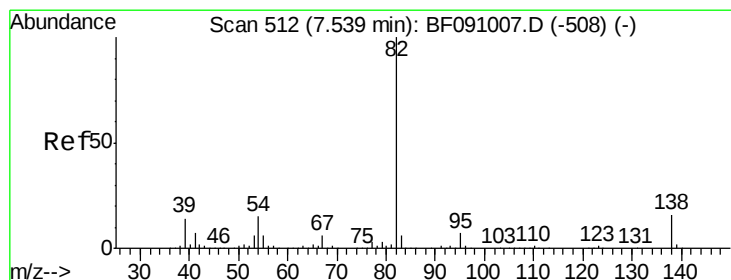
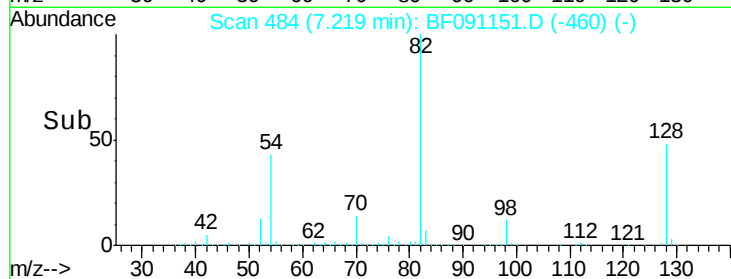
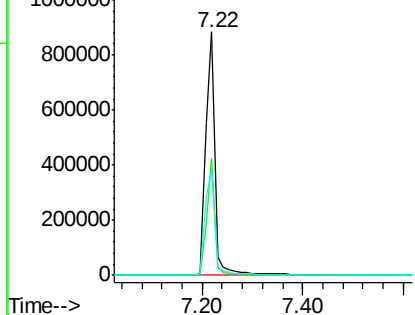
#23
 Nitrobenzene-d5
 Concen: 96.01 ng
 RT: 7.22 min Scan# 484
 Delta R.T. -0.02 min
 Lab File: BF091151.D
 Acq: 11 Nov 2016 20:19

Instrument :
 BNA_F
 ClientSampleId :
 MW-15R

Tgt Ion: 82 Resp: 1144116
 Ion Ratio Lower Upper
 82 100
 128 48.1 32.4 48.6
 54 43.4 39.2 58.8

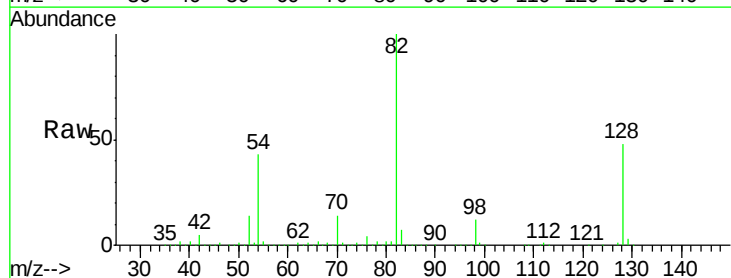


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

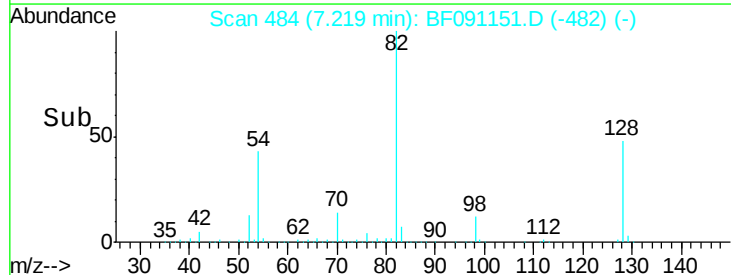
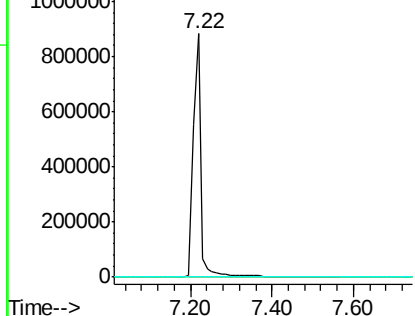


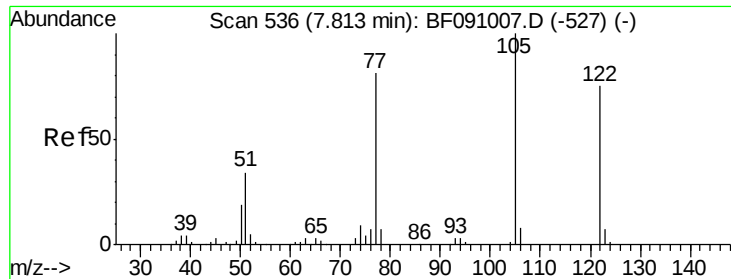
#25
 Isophorone
 Concen: 48.82 ng
 RT: 7.22 min Scan# 484
 Delta R.T. -0.27 min
 Lab File: BF091151.D
 Acq: 11 Nov 2016 20:19

Tgt Ion: 82 Resp: 1121173
 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): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0

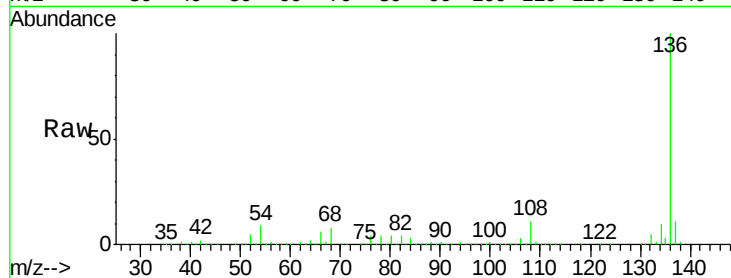




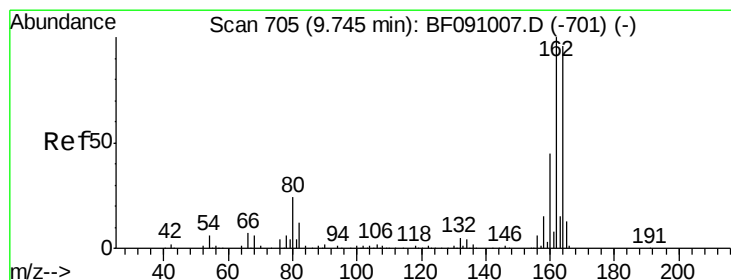
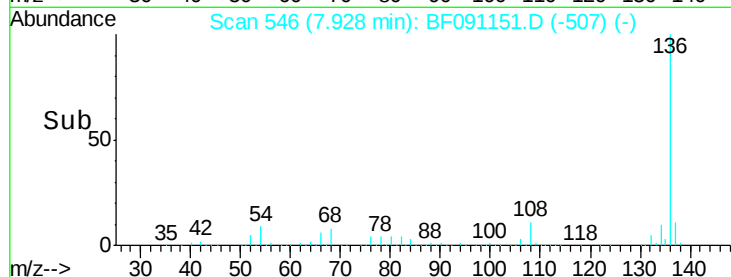
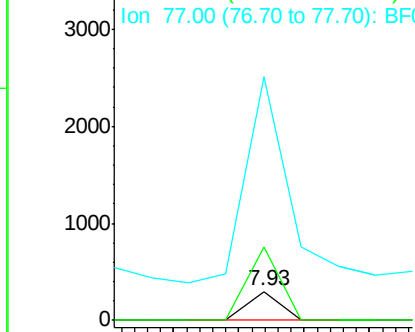
#32
Benzoic acid
Concen: 5.10 ng
RT: 7.93 min Scan# 546
Delta R.T. 0.15 min
Lab File: BF091151.D
Acq: 11 Nov 2016 20:19

Instrument :
BNA_F
ClientSampleId :
MW-15R

Tgt Ion:122 Resp: 206
Ion Ratio Lower Upper
122 100
105 251.8 105.9 145.9#
77 833.6 84.0 124.0#

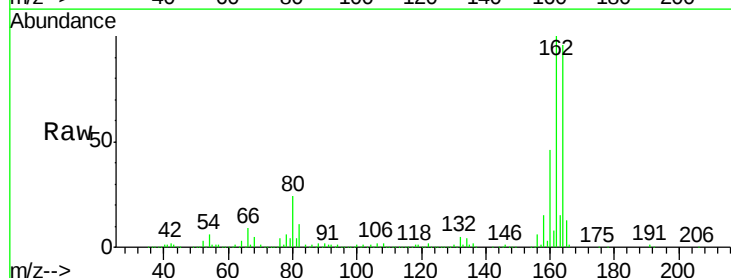


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

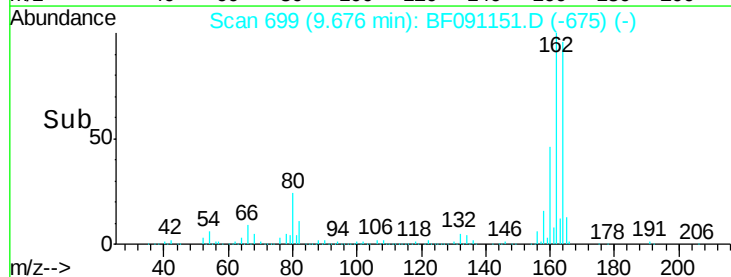
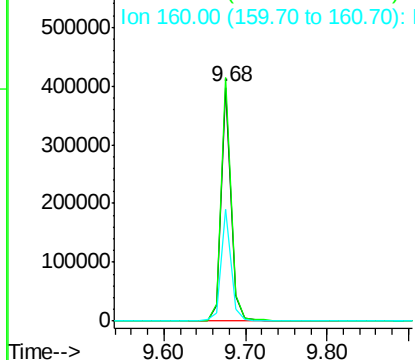


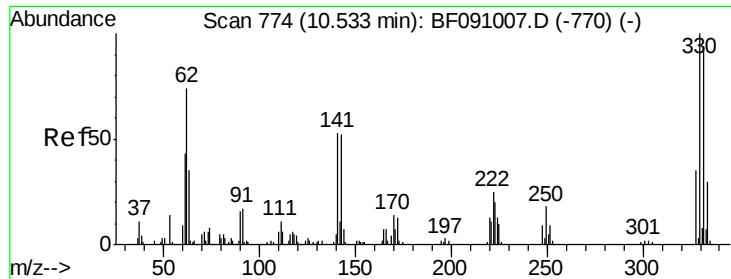
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.68 min Scan# 699
Delta R.T. -0.02 min
Lab File: BF091151.D
Acq: 11 Nov 2016 20:19

Tgt Ion:164 Resp: 329141
Ion Ratio Lower Upper
164 100
162 104.3 83.6 125.4
160 48.1 37.9 56.9



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

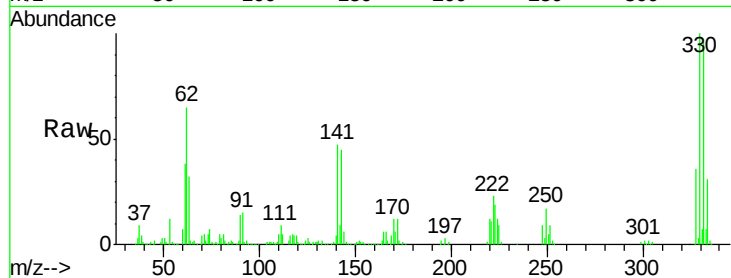




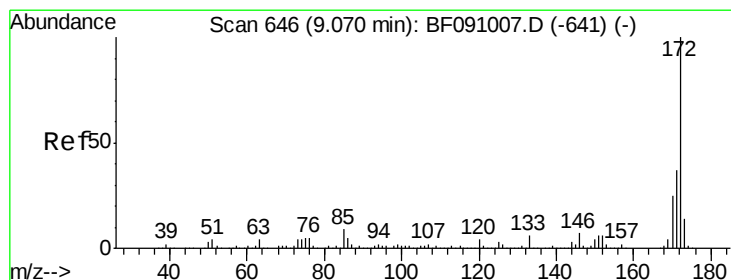
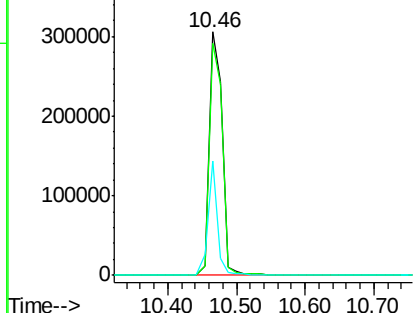
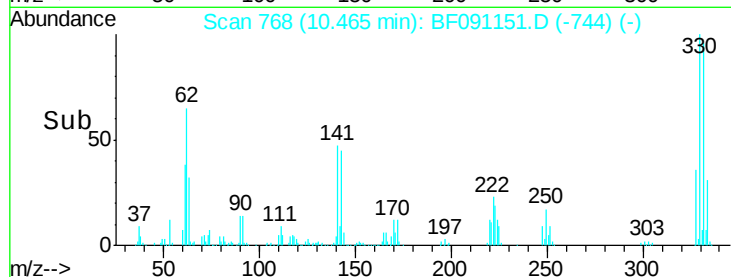
#41
 2,4,6-Tribromophenol
 Concen: 135.31 ng
 RT: 10.46 min Scan# 768
 Delta R.T. -0.02 min
 Lab File: BF091151.D
 Acq: 11 Nov 2016 20:19

Instrument :
 BNA_F
 ClientSampleId :
 MW-15R

Tgt Ion:330 Resp: 402633
 Ion Ratio Lower Upper
 330 100
 332 97.0 75.9 113.9
 141 34.6 36.1 54.1#

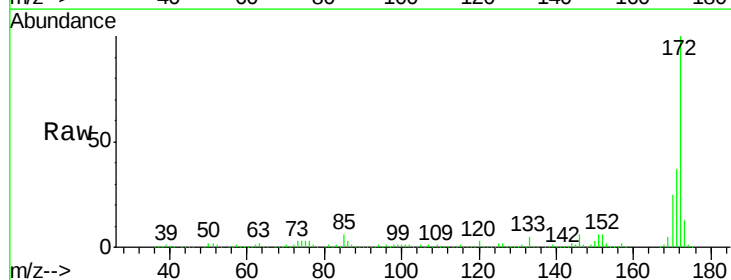


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

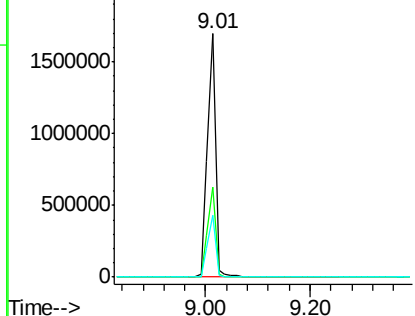
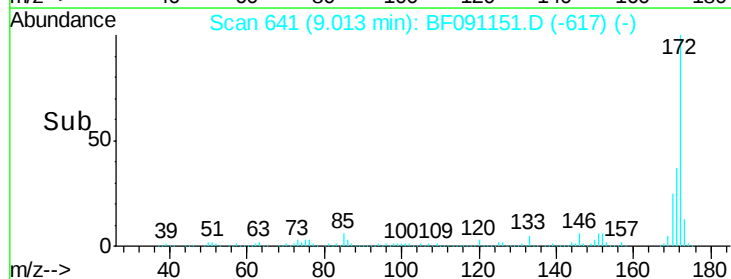


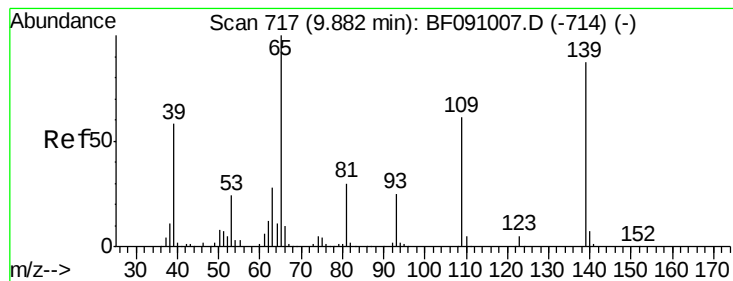
#44
 2-Fluorobiphenyl
 Concen: 94.79 ng
 RT: 9.01 min Scan# 641
 Delta R.T. -0.02 min
 Lab File: BF091151.D
 Acq: 11 Nov 2016 20:19

Tgt Ion:172 Resp: 1812210
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.8 44.6
 170 25.5 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





#55

4-Nitrophenol

Concen: 5.80 ng

RT: 9.84 min Scan# 713

Delta R.T. -0.01 min

Lab File: BF091151.D

Acq: 11 Nov 2016 20:19

Instrument :

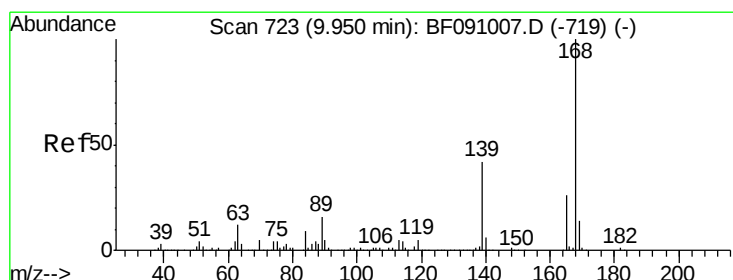
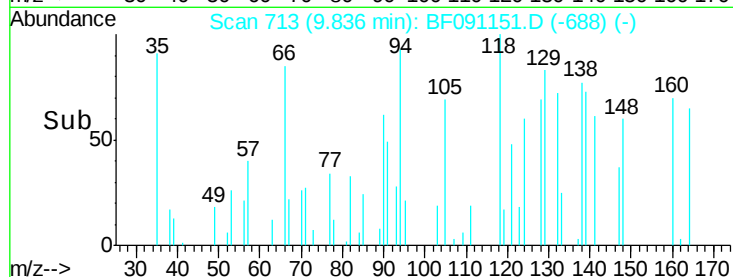
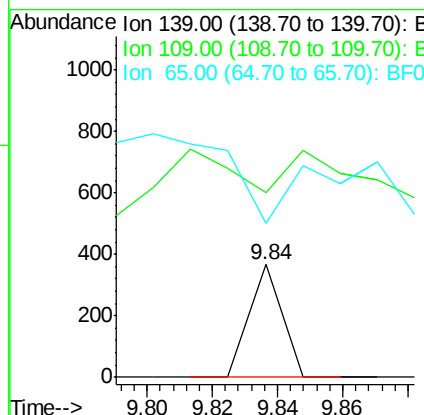
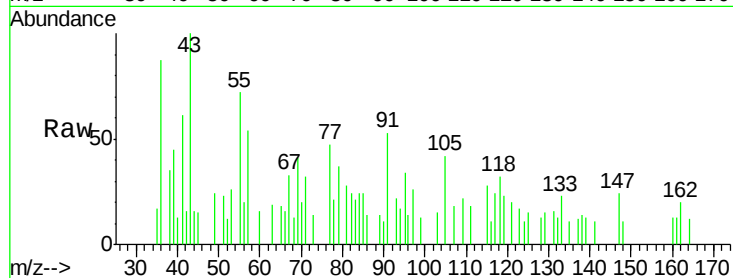
BNA_F

ClientSampleId :

MW-15R

Tgt Ion:139 Resp: 251

Ion	Ratio	Lower	Upper
139	100		
109	164.8	50.5	90.5#
65	136.6	97.1	137.1



#56

2,4-Dinitrotoluene

Concen: 7.33 ng

RT: 9.68 min Scan# 699

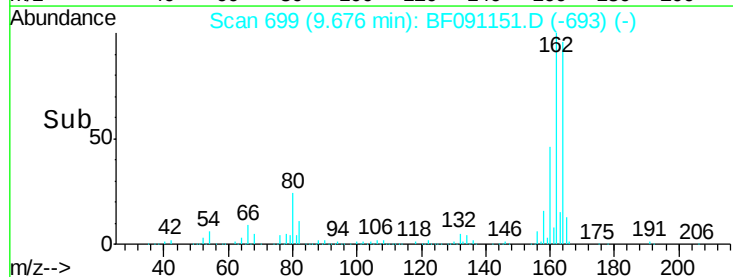
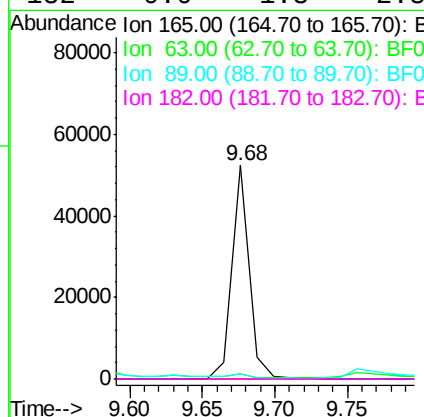
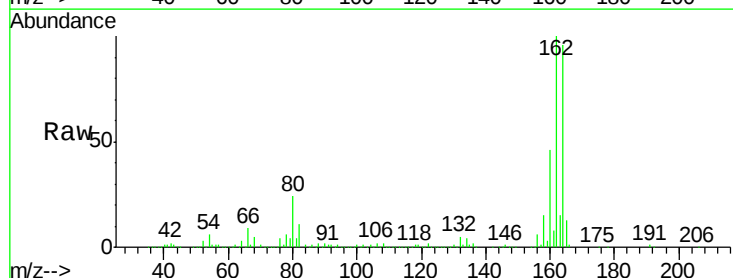
Delta R.T. -0.23 min

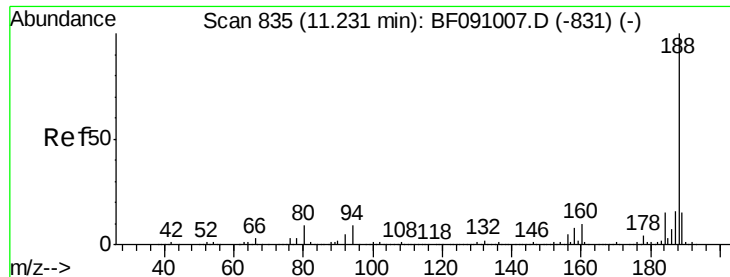
Lab File: BF091151.D

Acq: 11 Nov 2016 20:19

Tgt Ion:165 Resp: 43109

Ion	Ratio	Lower	Upper
165	100		
63	2.1	38.7	58.1#
89	2.2	50.6	76.0#
182	0.0	1.8	2.8#

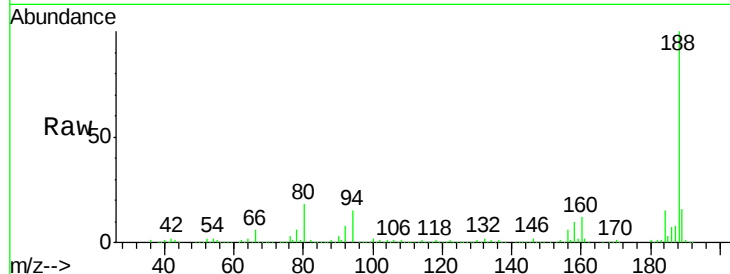




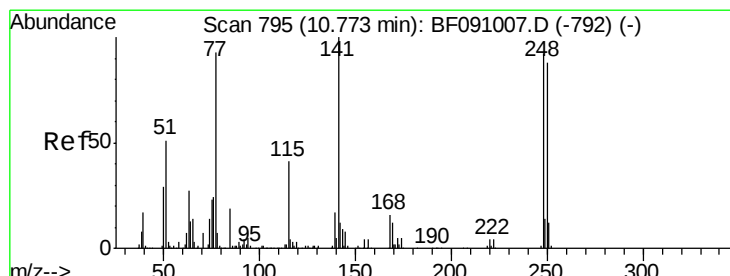
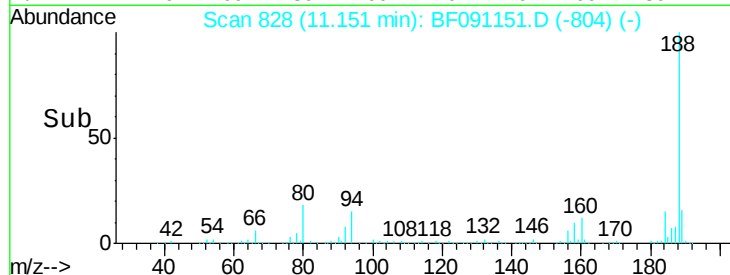
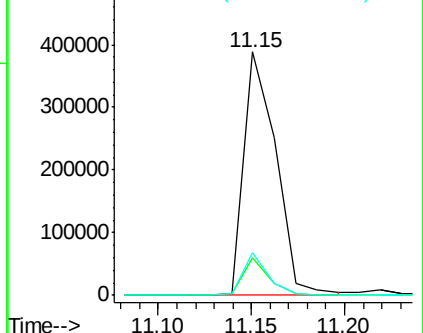
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.15 min Scan# 828
Delta R.T. -0.02 min
Lab File: BF091151.D
Acq: 11 Nov 2016 20:19

Instrument :
BNA_F
ClientSampleId :
MW-15R

Tgt Ion:188 Resp: 463421
Ion Ratio Lower Upper
188 100
94 15.4 7.0 10.4#
80 17.6 7.5 11.3#

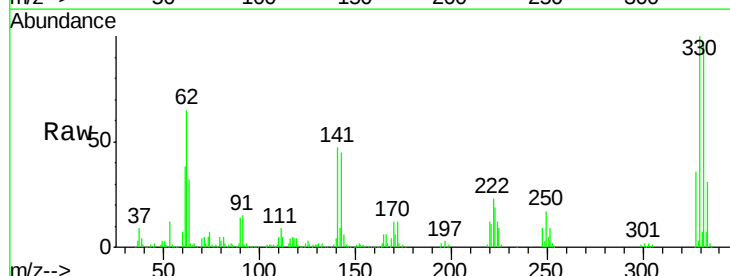


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

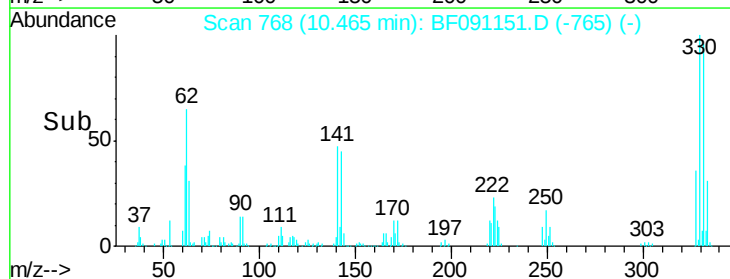
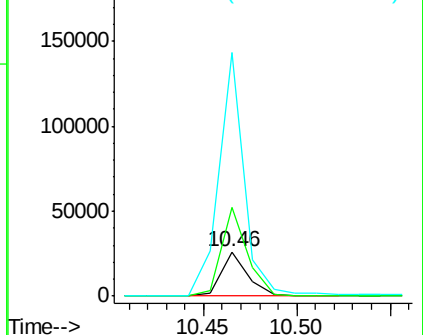


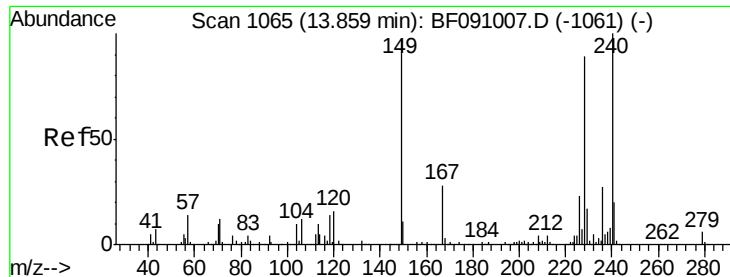
#66
4-Bromophenyl-phenylether
Concen: 5.35 ng
RT: 10.46 min Scan# 768
Delta R.T. -0.26 min
Lab File: BF091151.D
Acq: 11 Nov 2016 20:19

Tgt Ion:248 Resp: 25772
Ion Ratio Lower Upper
248 100
250 201.0 76.3 114.5#
141 551.2 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: 13.78 min Scan# 1058

Delta R.T. -0.03 min

Lab File: BF091151.D

Acq: 11 Nov 2016 20:19

Instrument :

BNA_F

ClientSampleId :

MW-15R

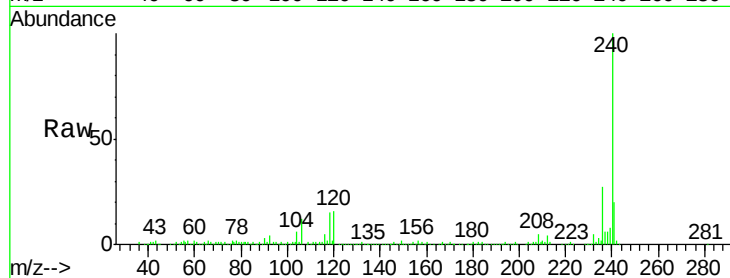
Tgt Ion:240 Resp: 277852

Ion Ratio Lower Upper

240 100

120 16.4 12.9 19.3

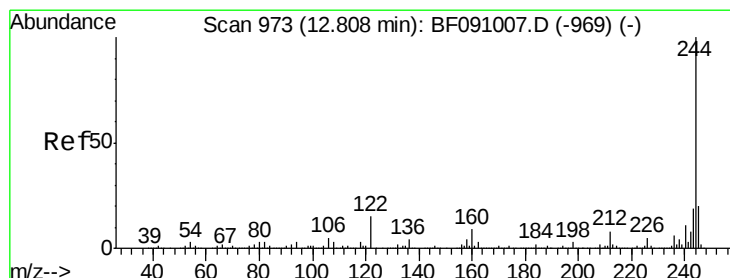
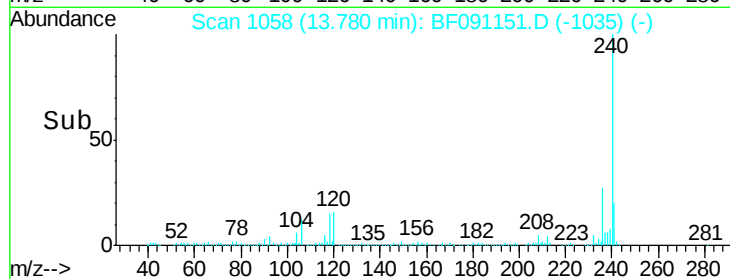
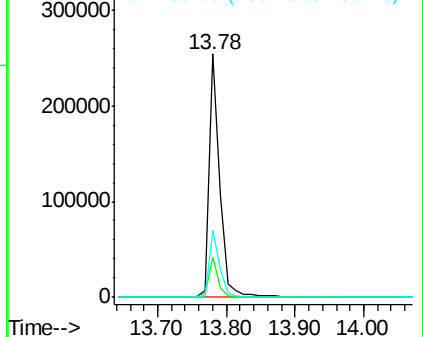
236 27.5 21.9 32.9



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: 114.65 ng

RT: 12.74 min Scan# 967

Delta R.T. -0.02 min

Lab File: BF091151.D

Acq: 11 Nov 2016 20:19

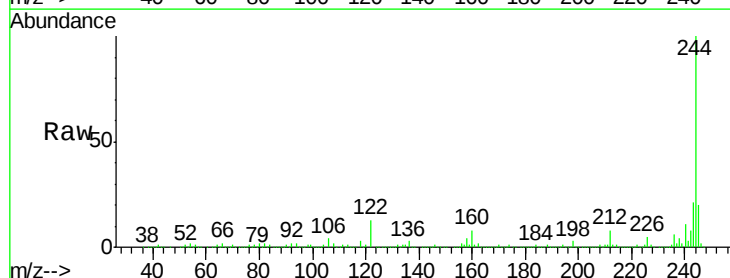
Tgt Ion:244 Resp: 1276519

Ion Ratio Lower Upper

244 100

212 7.8 6.4 9.6

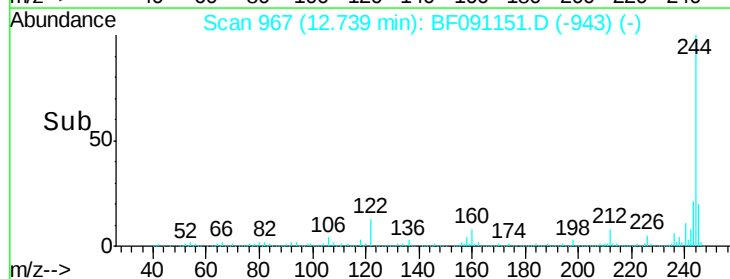
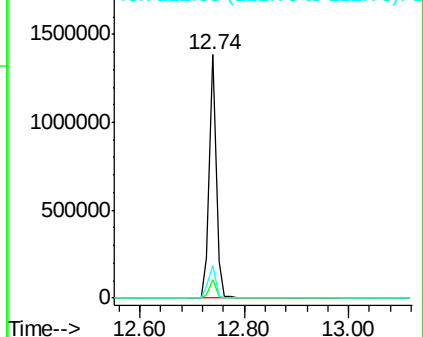
122 13.2 12.3 18.5

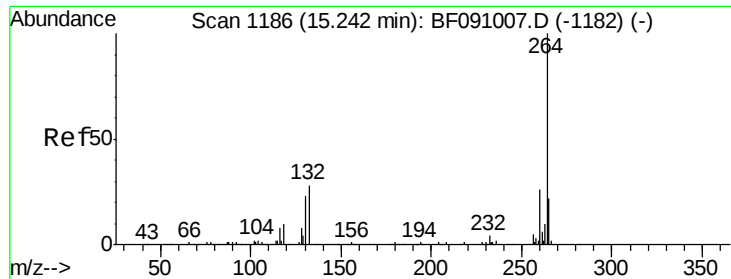


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.15 min Scan# 1178
Delta R.T. -0.03 min
Lab File: BF091151.D
Acq: 11 Nov 2016 20:19

Instrument :
BNA_F
ClientSampleId :
MW-15R

Tgt Ion: 264 Resp: 258501
Ion Ratio Lower Upper
264 100
260 25.7 20.6 30.8
265 21.8 17.8 26.8

