

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
 Data File : BF091708.D
 Acq On : 17 Dec 2016 8:45
 Operator : UM/SJ
 Sample : H6091-04
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-21

Quant Time: Dec 17 22:28:48 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 16 00:35:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	152443	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	933667	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	414366	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	534499	20.00	ng	-0.02
75) Chrysene-d12	13.93	240	347024	20.00	ng	-0.01
86) Perylene-d12	15.32	264	364315	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	1023119	113.07	ng	0.00
7) Phenol-d6	6.42	99	786741	69.74	ng	-0.01
23) Nitrobenzene-d5	7.34	82	1466409	87.66	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	380444	110.54	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	2153425	89.80	ng	-0.01
78) Terphenyl-d14	12.88	244	1677463	109.69	ng	-0.02

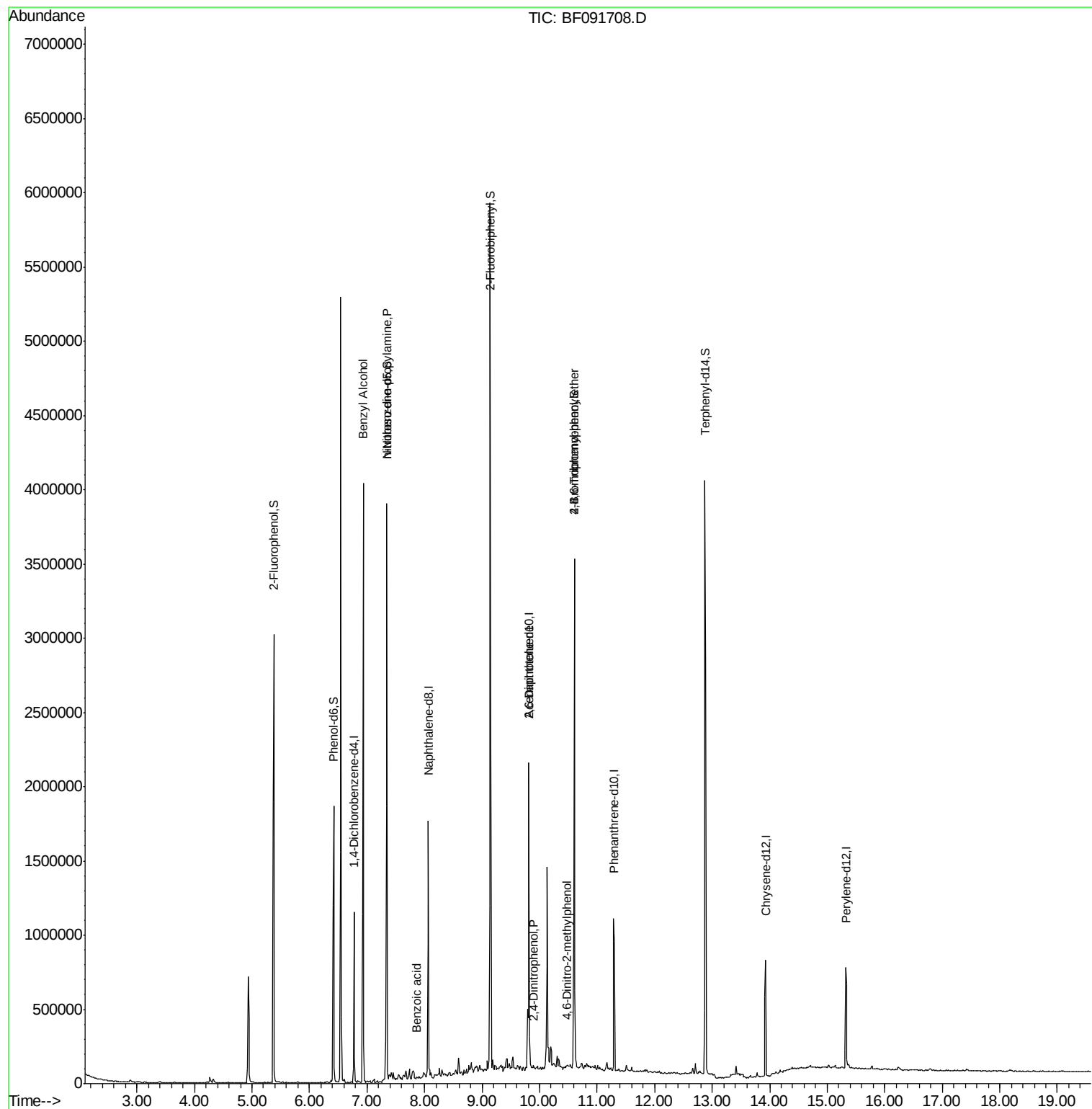
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.93	79	20285	2.28	ng	# 41
19) n-Nitroso-di-n-propylamine	7.34	70	203140	28.80	ng	# 62
20) 3+4-Methylphenols	7.01	107	305	Below Cal		# 20
32) Benzoic acid	7.86	122	1310	5.02	ng	# 52
50) 2,6-Dinitrotoluene	9.81	165	54919	9.54	ng	# 17
53) 2,4-Dinitrophenol	9.89	184	232	2.09	ng	# 38
57) Fluorene	10.36	166	962	Below Cal		# 86
64) 4,6-Dinitro-2-methylphenol	10.48	198	443	3.07	ng	# 1
66) 4-Bromophenyl-phenylether	10.60	248	25047	4.57	ng	# 1

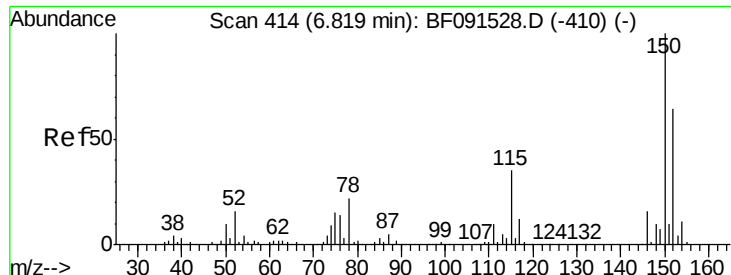
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF091708.D

Acq: 17 Dec 2016 8:45

Instrument :

BNA_F

ClientSampleId :

MW-21

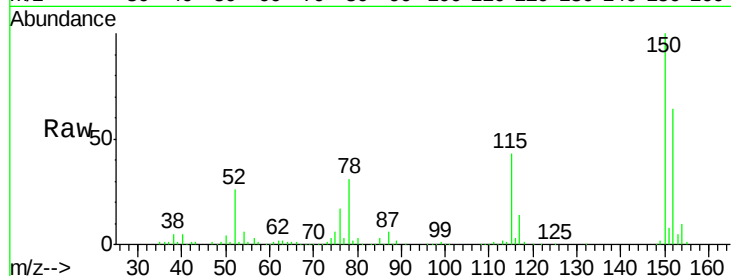
Tgt Ion:152 Resp: 152443

Ion Ratio Lower Upper

152 100

150 156.8 122.5 183.7

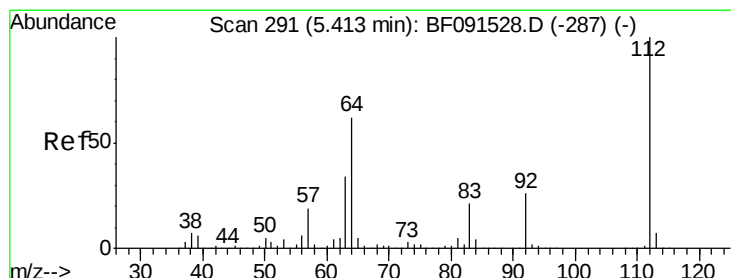
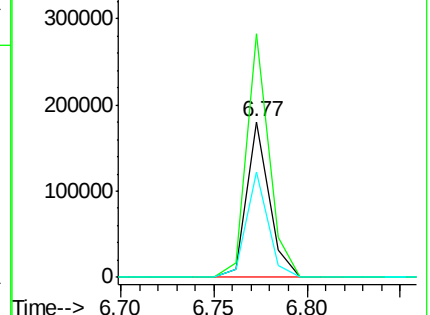
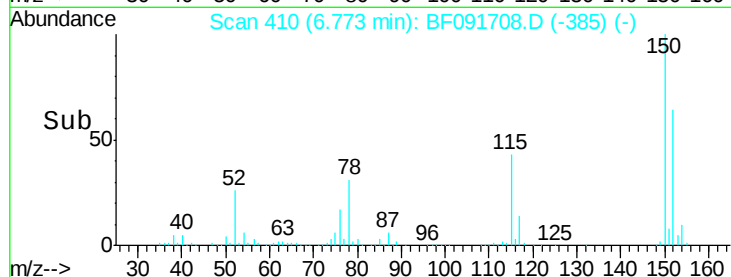
115 67.5 51.8 77.8



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: 113.07 ng

RT: 5.38 min Scan# 288

Delta R.T. -0.00 min

Lab File: BF091708.D

Acq: 17 Dec 2016 8:45

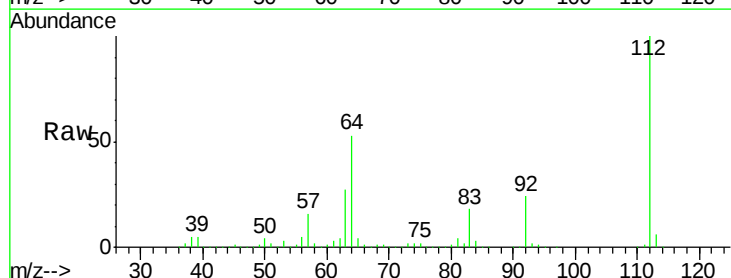
Tgt Ion:112 Resp: 1023119

Ion Ratio Lower Upper

112 100

64 53.4 61.5 92.3#

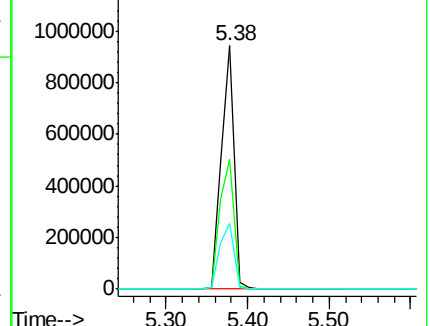
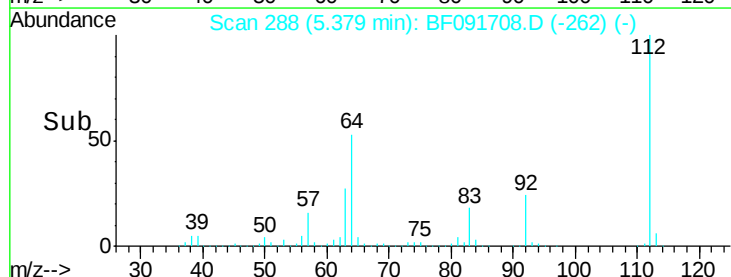
63 27.1 33.3 49.9#

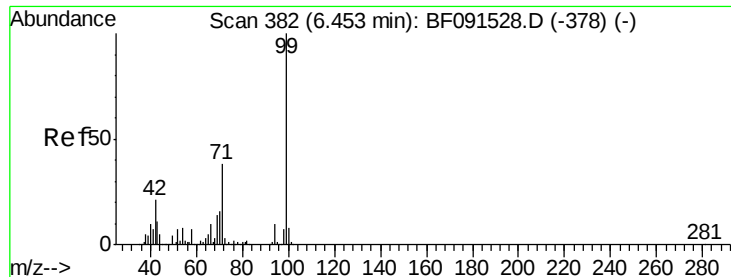


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 69.74 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF091708.D

Acq: 17 Dec 2016 8:45

Instrument :

BNA_F

ClientSampleId :

MW-21

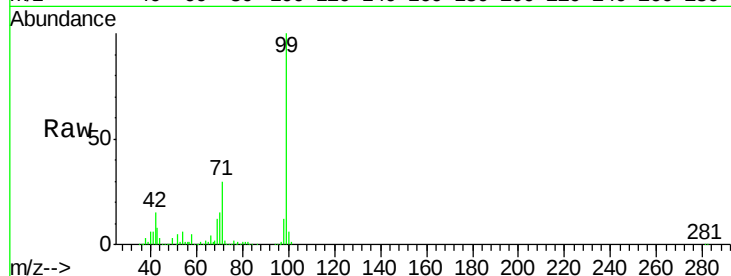
Tgt Ion: 99 Resp: 786741

Ion Ratio Lower Upper

99 100

42 14.6 20.6 31.0#

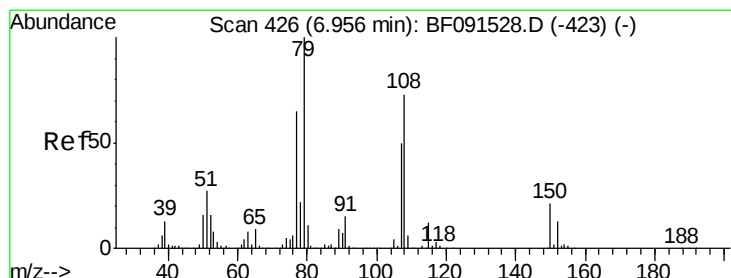
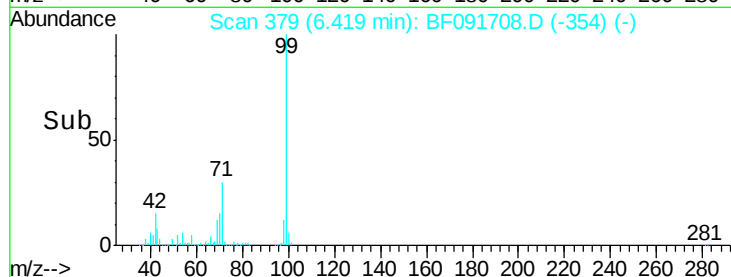
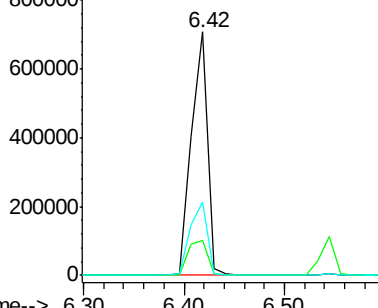
71 30.2 29.9 44.9



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



#15

Benzyl Alcohol

Concen: 2.28 ng

RT: 6.93 min Scan# 424

Delta R.T. 0.00 min

Lab File: BF091708.D

Acq: 17 Dec 2016 8:45

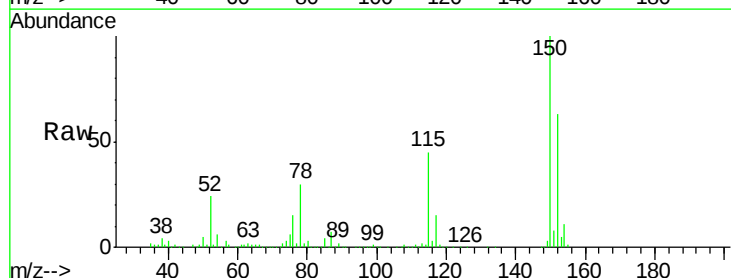
Tgt Ion: 79 Resp: 20285

Ion Ratio Lower Upper

79 100

108 27.1 62.7 94.1#

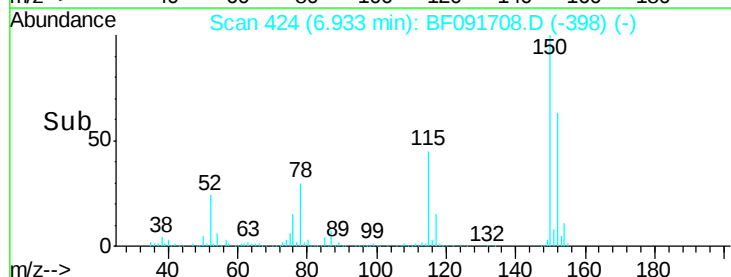
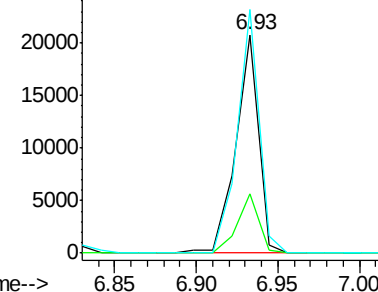
77 111.5 51.7 77.5#

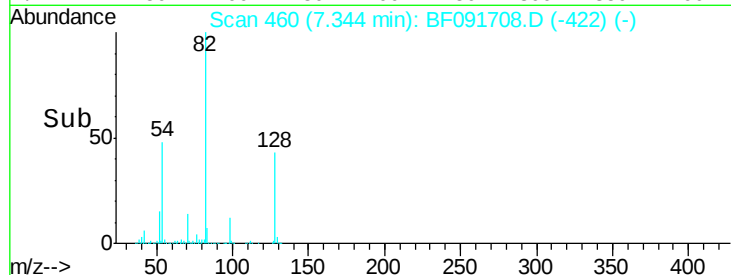
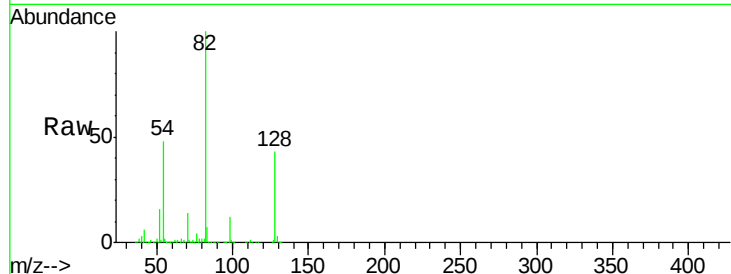
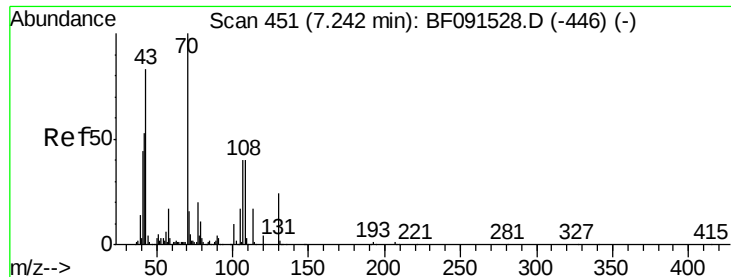


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

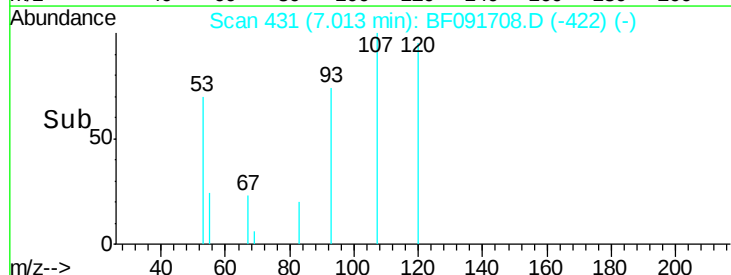
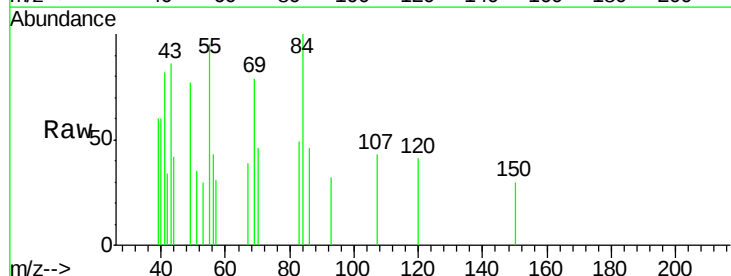
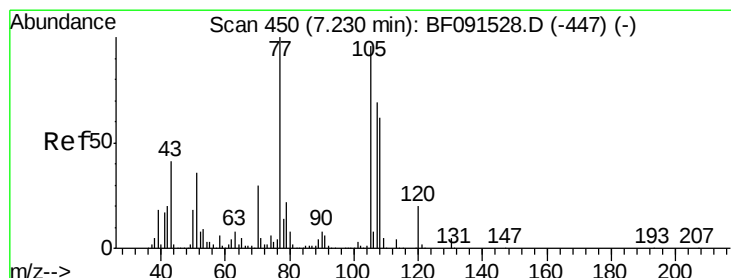
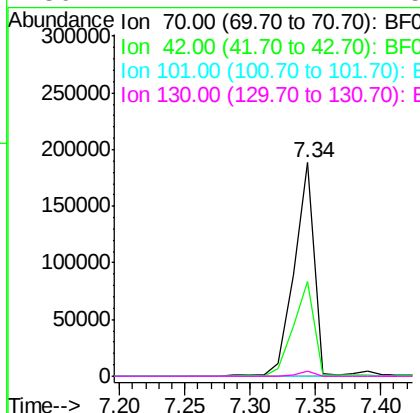




#19
n-Nitroso-di-n-propylamine
Concen: 28.80 ng
RT: 7.34 min Scan# 460
Delta R.T. 0.14 min
Lab File: BF091708.D
Acq: 17 Dec 2016 8:45

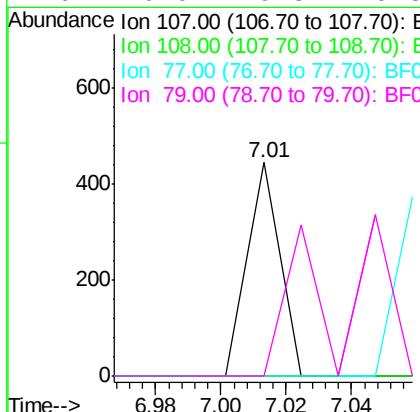
Instrument :
BNA_F
ClientSampleId :
MW-21

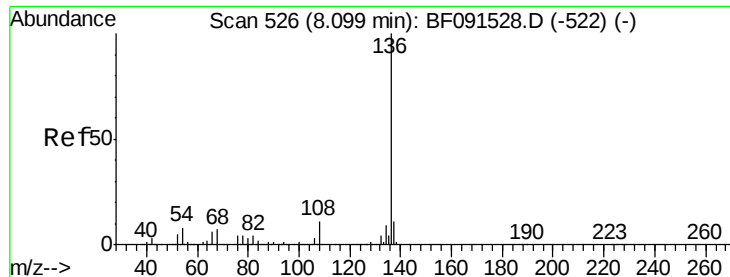
Tgt Ion: 70 Resp: 203140
Ion Ratio Lower Upper
70 100
42 44.3 64.8 97.2#
101 0.2 6.2 9.4#
130 2.2 11.7 17.5#



#20
3+4-Methylphenols
Concen: Below Cal
RT: 7.01 min Scan# 431
Delta R.T. -0.19 min
Lab File: BF091708.D
Acq: 17 Dec 2016 8:45

Tgt Ion: 107 Resp: 305
Ion Ratio Lower Upper
107 100
108 0.0 64.6 104.6#
77 0.0 30.9 70.9#
79 0.0 9.3 49.3#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.01 min

Lab File: BF091708.D

Acq: 17 Dec 2016 8:45

Instrument :

BNA_F

ClientSampleId :

MW-21

Tgt Ion:136 Resp: 933667

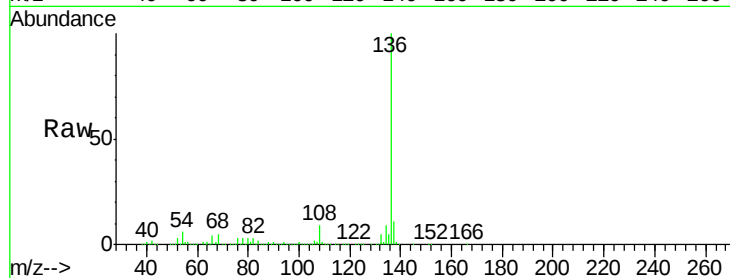
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 5.7 9.1 13.7#

68 5.0 5.9 8.9#

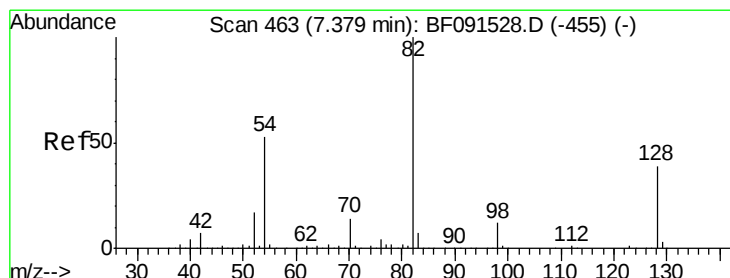
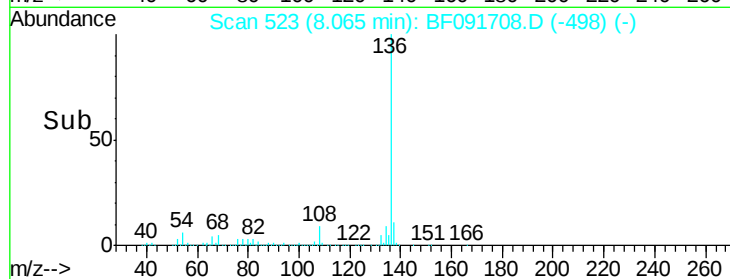
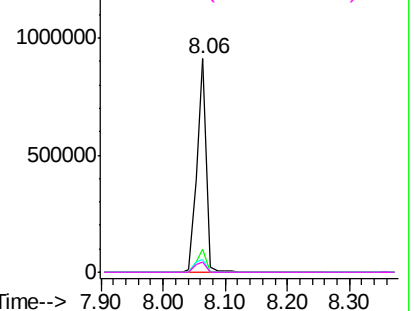


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.66 ng

RT: 7.34 min Scan# 460

Delta R.T. -0.01 min

Lab File: BF091708.D

Acq: 17 Dec 2016 8:45

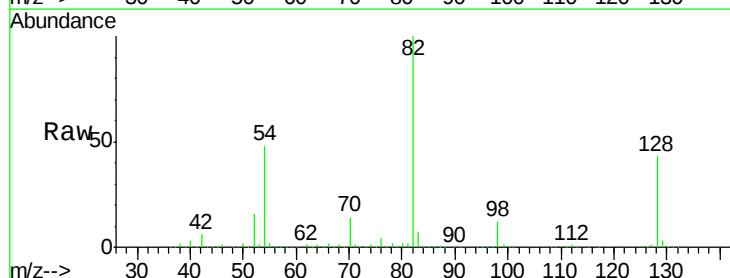
Tgt Ion: 82 Resp: 1466409

Ion Ratio Lower Upper

82 100

128 43.5 31.8 47.6

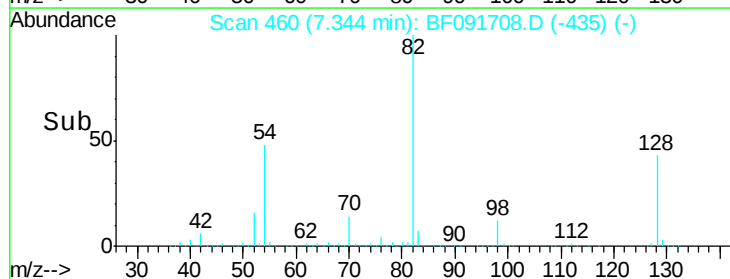
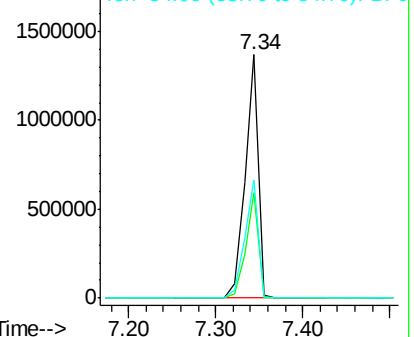
54 48.4 49.1 73.7#

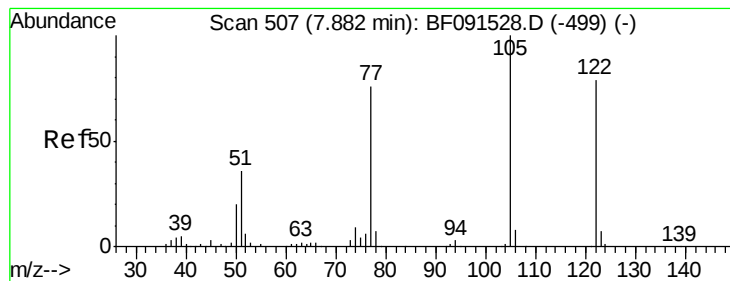


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#32

Benzoic acid

Concen: 5.02 ng

RT: 7.86 min Scan# 505

Delta R.T. -0.00 min

Lab File: BF091708.D

Acq: 17 Dec 2016 8:45

Instrument :

BNA_F

ClientSampleId :

MW-21

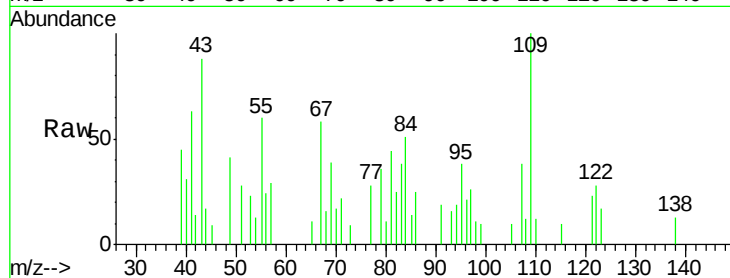
Tgt Ion:122 Resp: 1310

Ion Ratio Lower Upper

122 100

105 36.0 113.0 153.0#

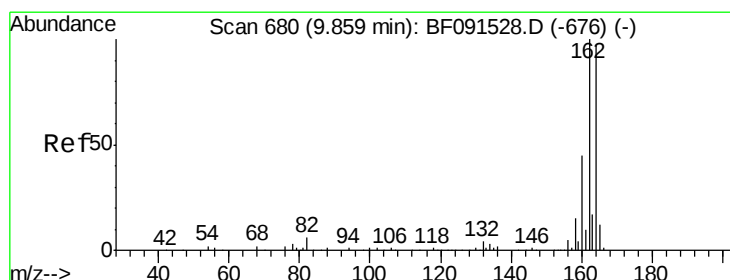
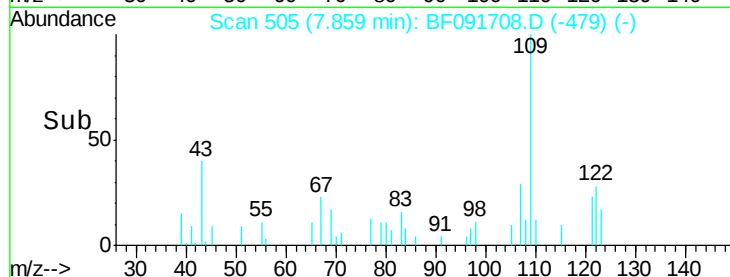
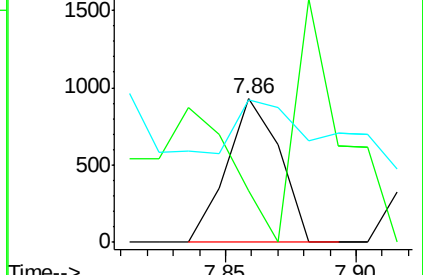
77 99.5 82.0 122.0



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: 9.81 min Scan# 676

Delta R.T. -0.01 min

Lab File: BF091708.D

Acq: 17 Dec 2016 8:45

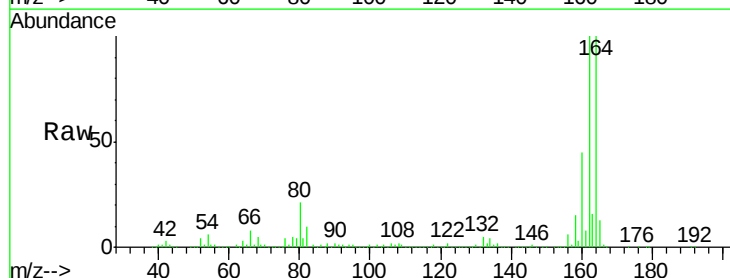
Tgt Ion:164 Resp: 414366

Ion Ratio Lower Upper

164 100

162 99.6 82.6 124.0

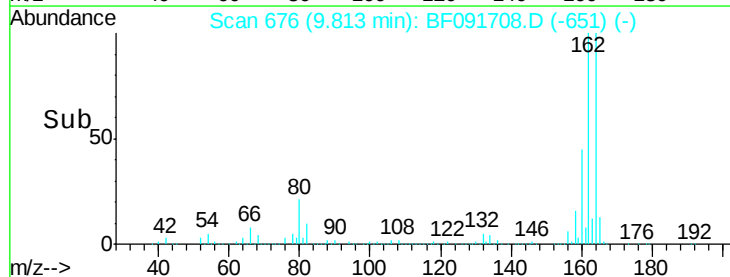
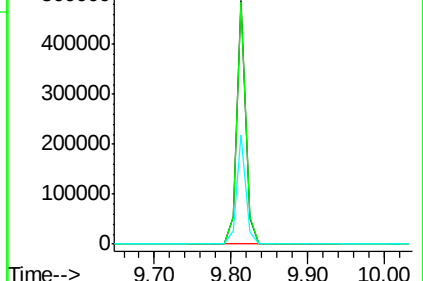
160 44.7 36.7 55.1

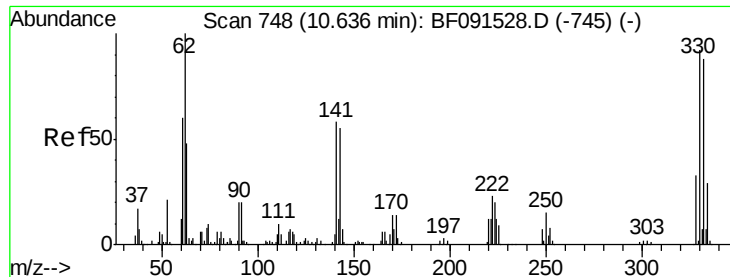


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

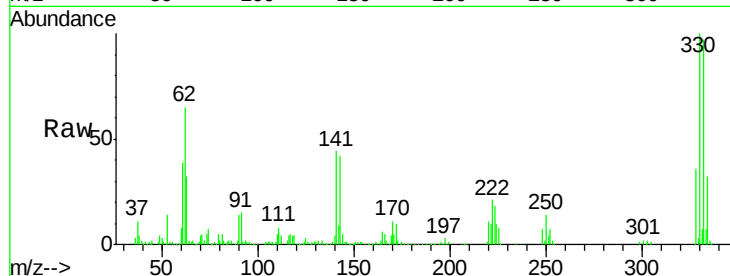




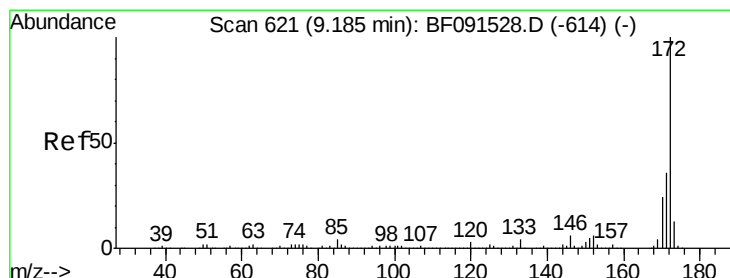
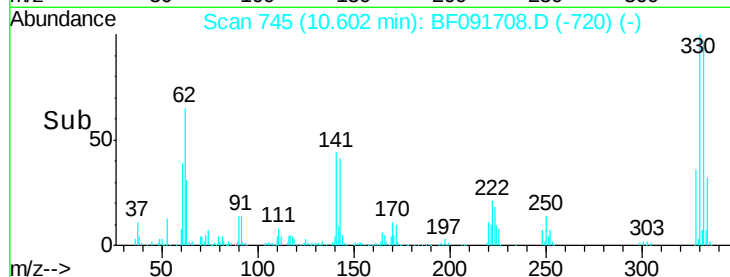
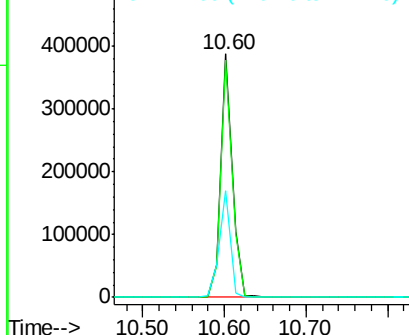
#41
 2,4,6-Tribromophenol
 Concen: 110.54 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF091708.D
 Acq: 17 Dec 2016 8:45

Instrument :
 BNA_F
 ClientSampleId :
 MW-21

Tgt Ion:330 Resp: 380444
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.2 114.4
 141 41.7 33.6 50.4

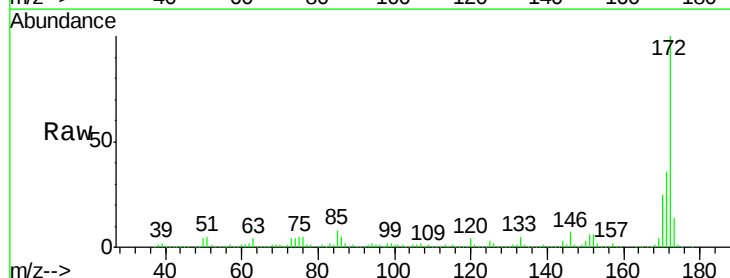


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

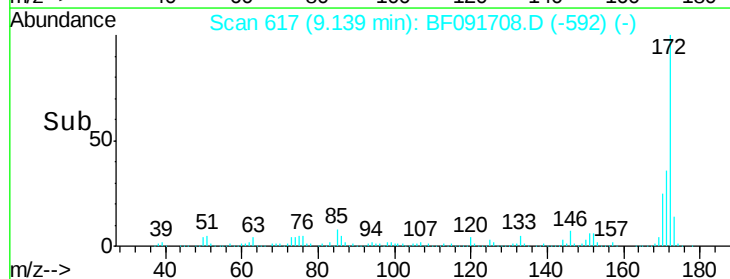
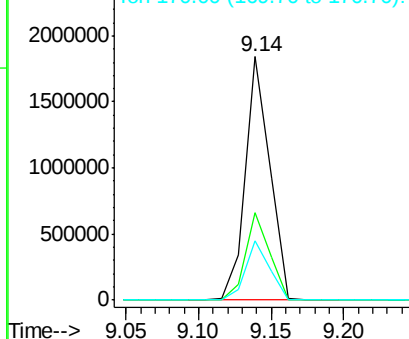


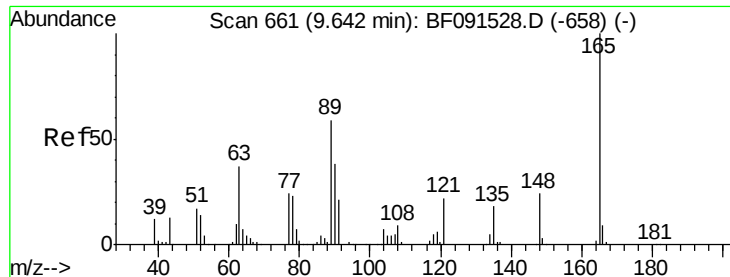
#44
 2-Fluorobiphenyl
 Concen: 89.80 ng
 RT: 9.14 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF091708.D
 Acq: 17 Dec 2016 8:45

Tgt Ion:172 Resp: 2153425
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.4 44.0
 170 24.6 19.7 29.5



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

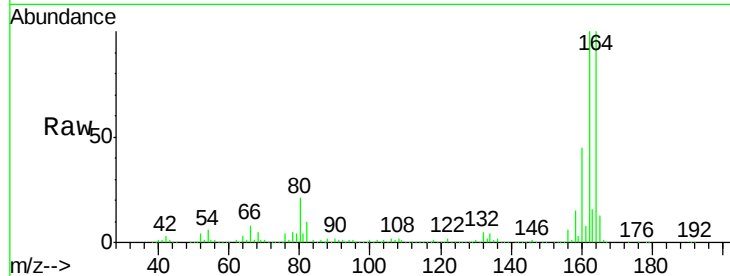




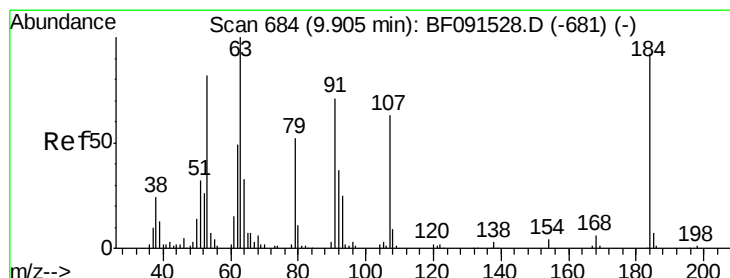
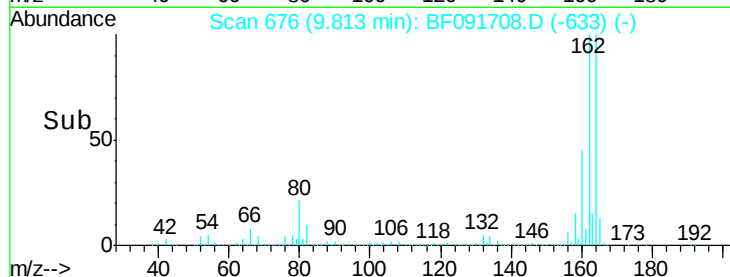
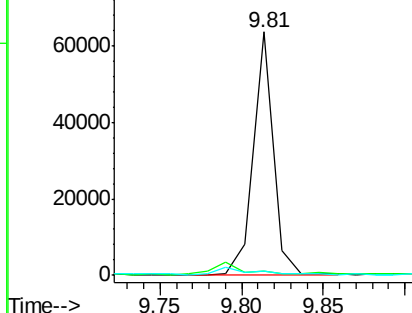
#50
2,6-Dinitrotoluene
Concen: 9.54 ng
RT: 9.81 min Scan# 676
Delta R.T. 0.19 min
Lab File: BF091708.D
Acq: 17 Dec 2016 8:45

Instrument :
BNA_F
ClientSampleId :
MW-21

Tgt Ion:165 Resp: 54919
Ion Ratio Lower Upper
165 100
63 1.6 59.4 89.0#
89 1.6 50.8 76.2#

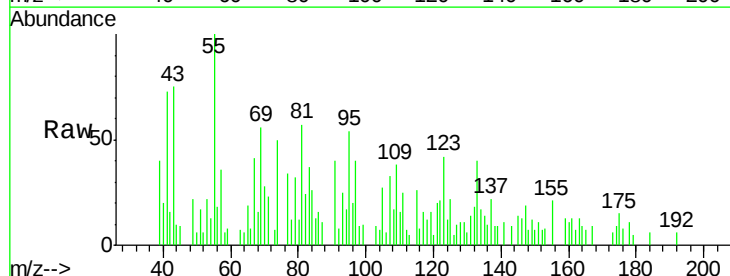


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

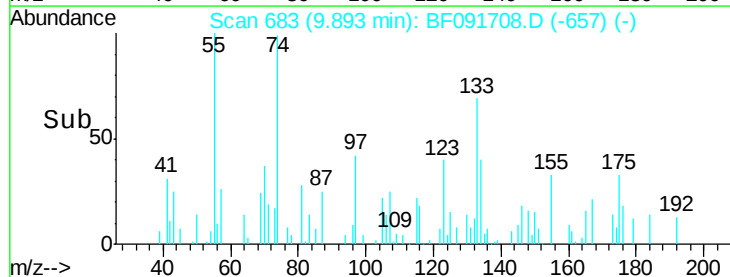
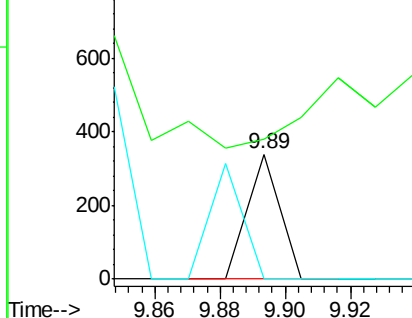


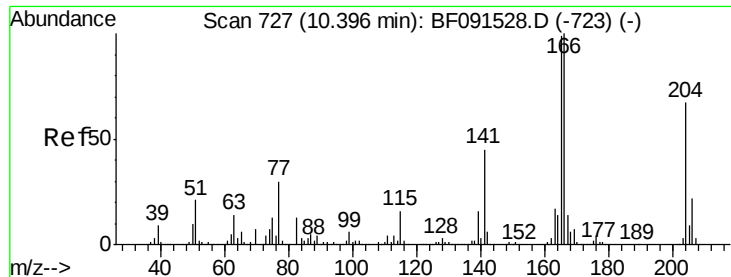
#53
2,4-Dinitrophenol
Concen: 2.09 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.00 min
Lab File: BF091708.D
Acq: 17 Dec 2016 8:45

Tgt Ion:184 Resp: 232
Ion Ratio Lower Upper
184 100
63 112.1 58.3 87.5#
154 0.0 48.6 73.0#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

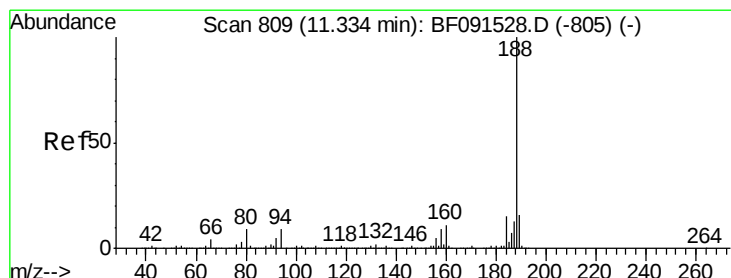
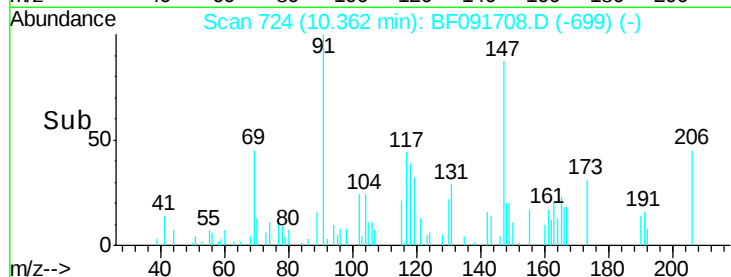
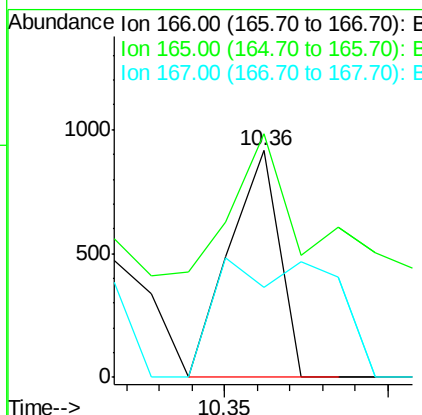
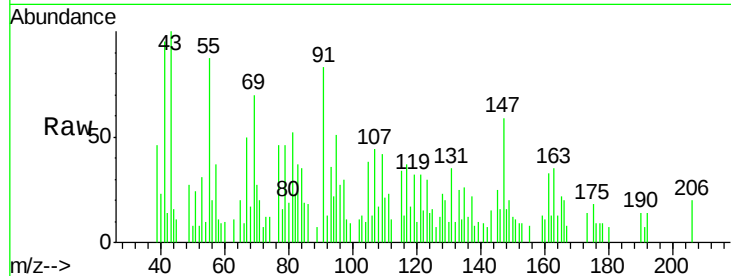




#57
Fluorene
 Concen: Below Cal
 RT: 10.36 min Scan# 724
 Delta R.T. -0.01 min
 Lab File: BF091708.D
 Acq: 17 Dec 2016 8:45

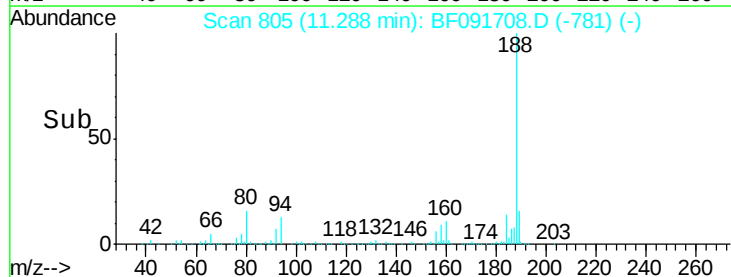
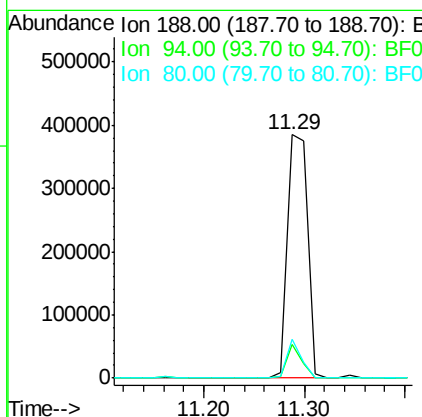
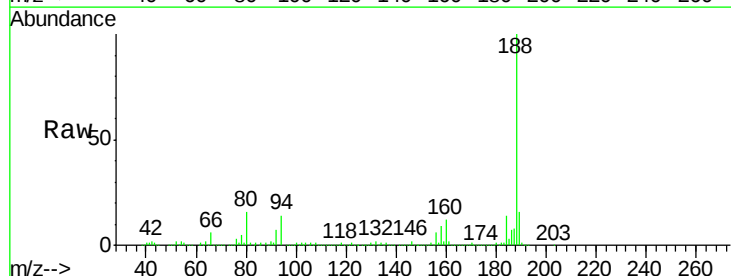
Instrument :
 BNA_F
 ClientSampleId :
 MW-21

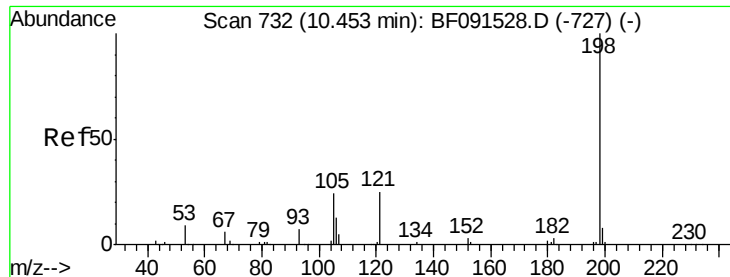
Tgt Ion:166 Resp: 962
 Ion Ratio Lower Upper
 166 100
 165 107.5 80.0 120.0
 167 39.7 10.8 16.2#



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 805
 Delta R.T. -0.02 min
 Lab File: BF091708.D
 Acq: 17 Dec 2016 8:45

Tgt Ion:188 Resp: 534499
 Ion Ratio Lower Upper
 188 100
 94 13.6 9.2 13.8
 80 16.1 10.5 15.7#

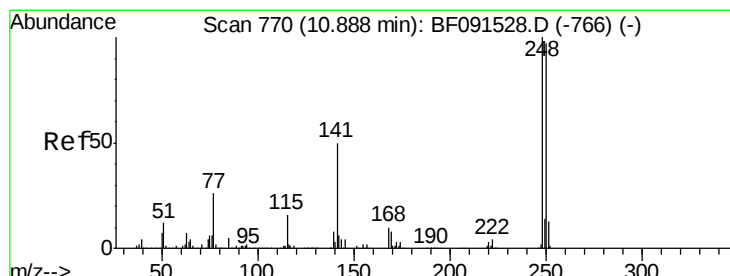
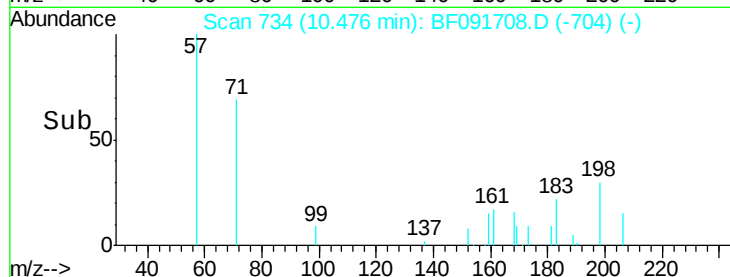
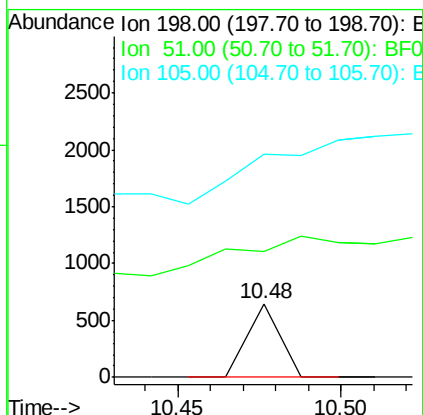
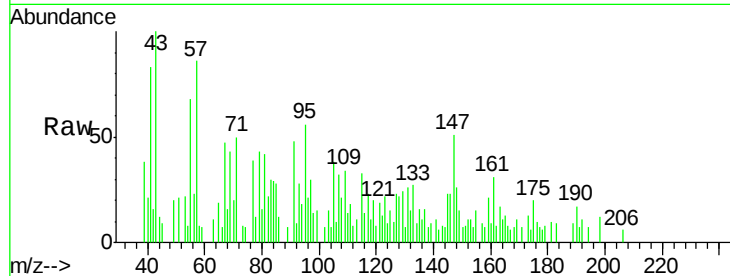




#64
 4,6-Dinitro-2-methylphenol
 Concen: 3.07 ng
 RT: 10.48 min Scan# 734
 Delta R.T. 0.05 min
 Lab File: BF091708.D
 Acq: 17 Dec 2016 8:45

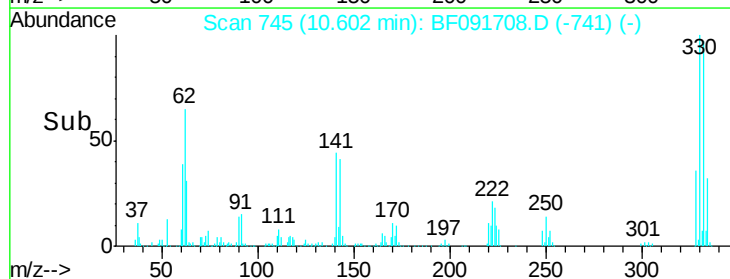
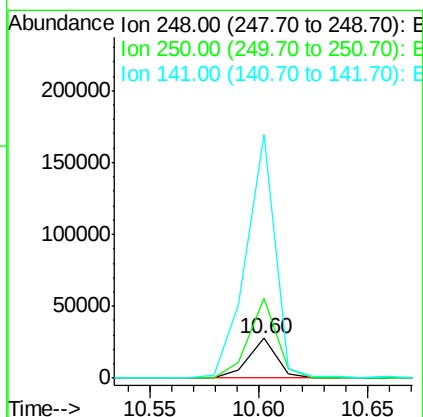
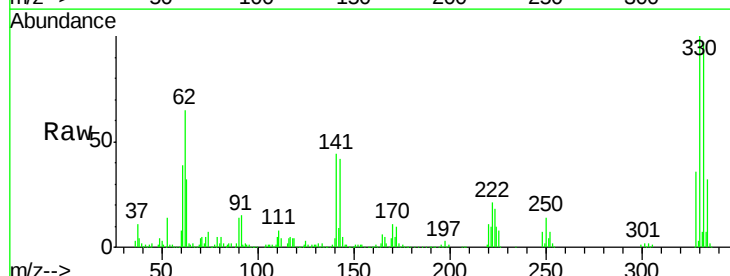
Instrument :
 BNA_F
 ClientSampleId :
 MW-21

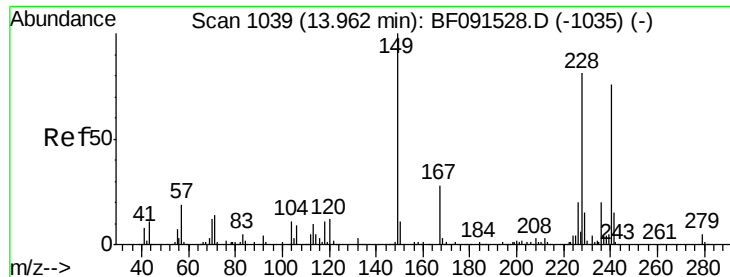
Tgt Ion:198 Resp: 443
 Ion Ratio Lower Upper
 198 100
 51 171.8 77.1 117.1#
 105 302.9 44.8 84.8#



#66
 4-Bromophenyl-phenylether
 Concen: 4.57 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.25 min
 Lab File: BF091708.D
 Acq: 17 Dec 2016 8:45

Tgt Ion:248 Resp: 25047
 Ion Ratio Lower Upper
 248 100
 250 199.3 78.2 117.4#
 141 608.7 71.9 107.9#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF091708.D

Acq: 17 Dec 2016 8:45

Instrument :

BNA_F

ClientSampleId :

MW-21

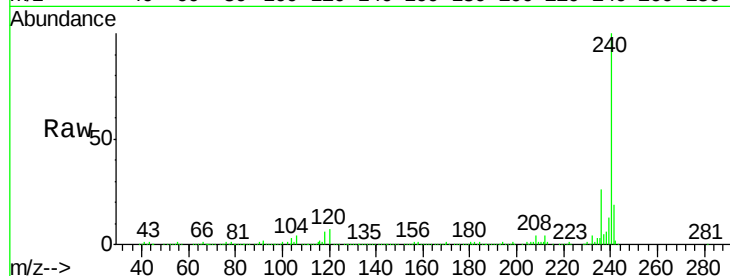
Tgt Ion:240 Resp: 347024

Ion Ratio Lower Upper

240 100

120 6.7 12.1 18.1#

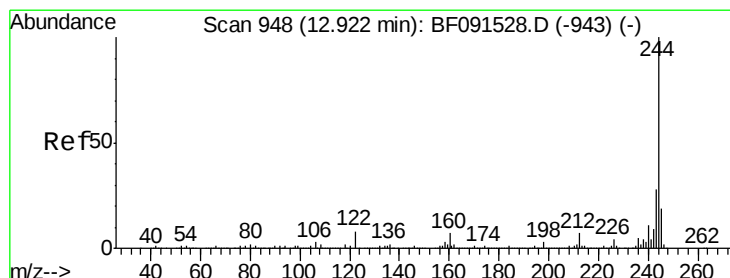
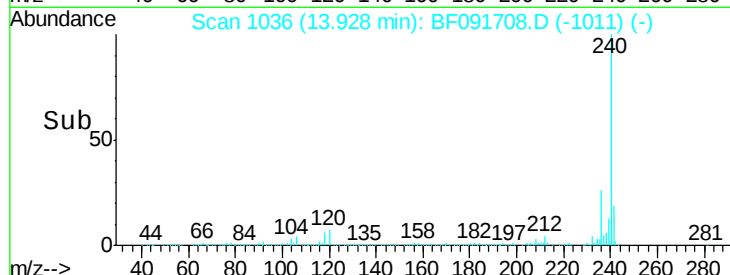
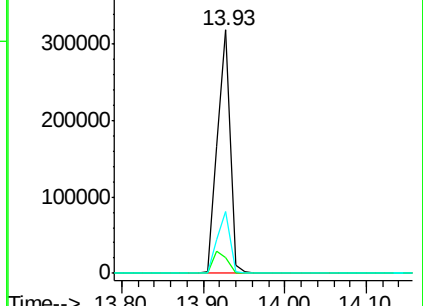
236 25.5 21.0 31.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 109.69 ng

RT: 12.88 min Scan# 944

Delta R.T. -0.02 min

Lab File: BF091708.D

Acq: 17 Dec 2016 8:45

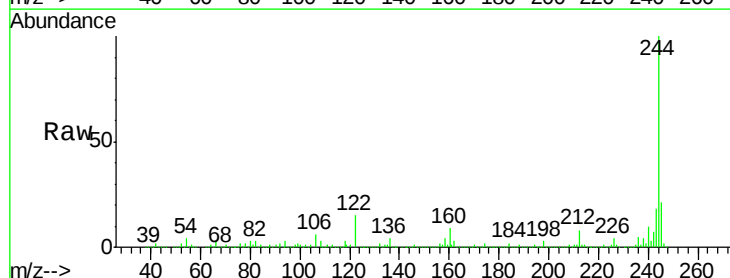
Tgt Ion:244 Resp: 1677463

Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

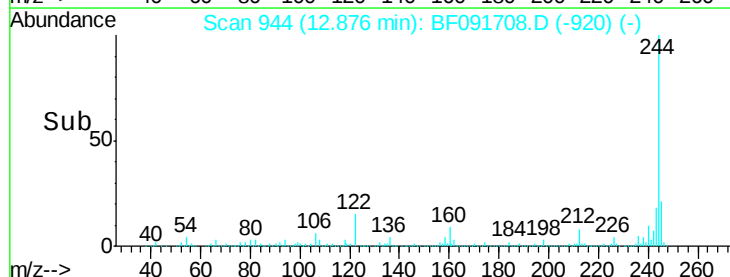
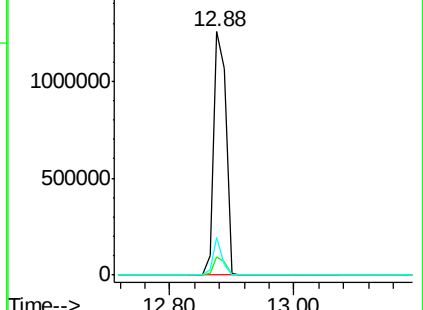
122 15.2 9.5 14.3#

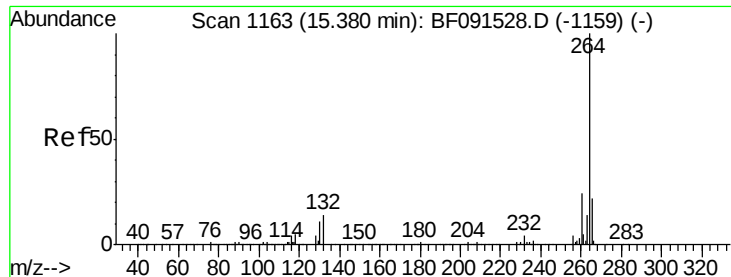


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.32 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BF091708.D
Acq: 17 Dec 2016 8:45

Instrument :
BNA_F
ClientSampleId :
MW-21

Tgt Ion: 264 Resp: 364315
Ion Ratio Lower Upper
264 100
260 23.9 18.8 28.2
265 22.1 17.0 25.6

