

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
 Data File : BF091702.D
 Acq On : 17 Dec 2016 5:58
 Operator : UM/SJ
 Sample : H6090-03
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-05

Quant Time: Dec 17 22:26:26 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

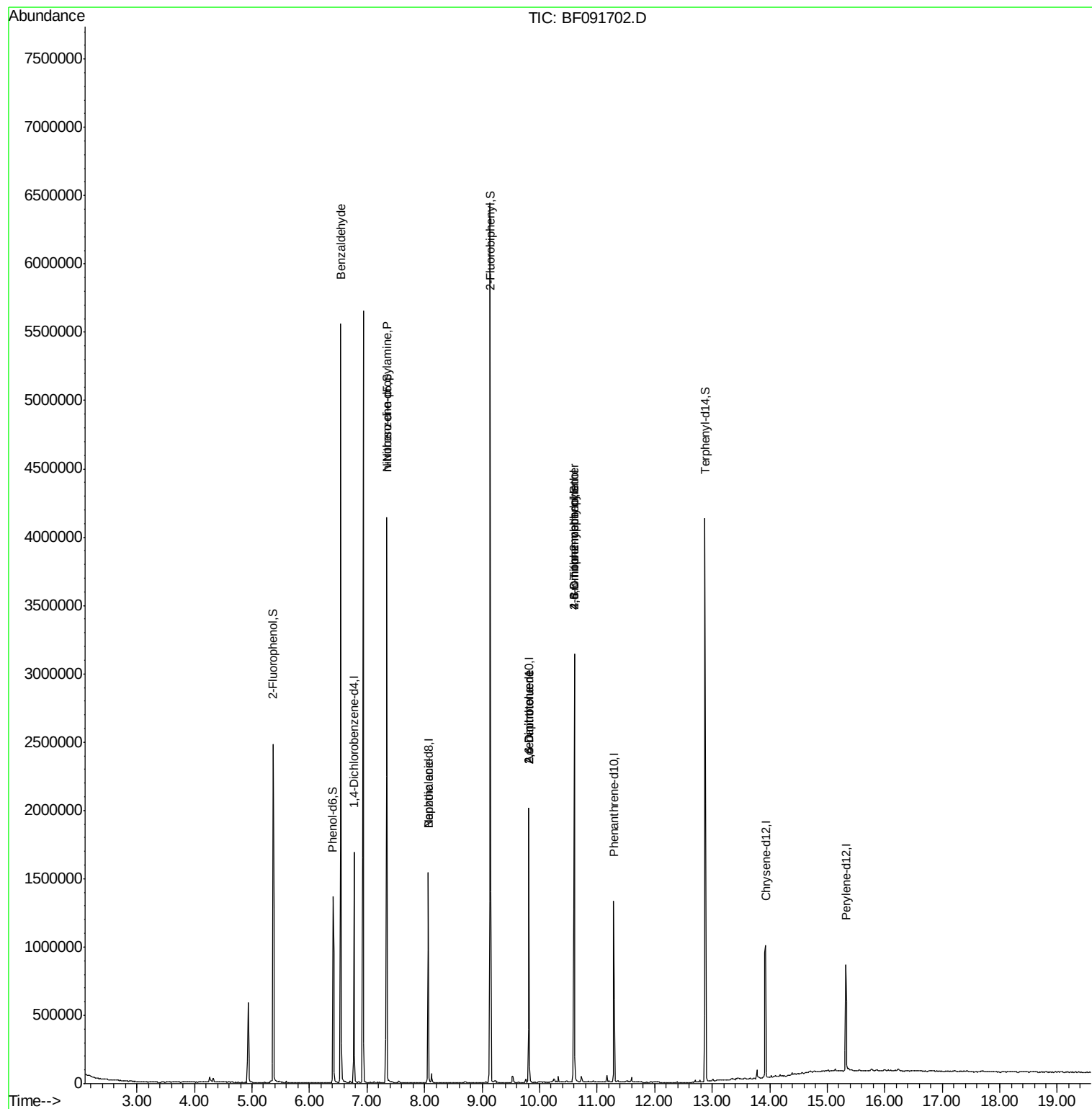
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	234568	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	909255	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	412832	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	547782	20.00	ng	-0.02
75) Chrysene-d12	13.93	240	494422	20.00	ng	-0.01
86) Perylene-d12	15.32	264	373525	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	804913	57.81	ng	-0.01
7) Phenol-d6	6.41	99	566495	32.64	ng	-0.02
23) Nitrobenzene-d5	7.34	82	1647211	101.11	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	379018	110.54	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	2109204	88.28	ng	-0.01
78) Terphenyl-d14	12.88	244	1517474	69.64	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.54	77	36526	3.06	ng	Qvalue 85
19) n-Nitroso-di-n-propylamine	7.34	70	225523	20.78	ng	# 62
20) 3+4-Methylphenols	6.93	107	311	Below Cal	#	1
32) Benzoic acid	8.06	122	209	4.92	ng	# 1
50) 2,6-Dinitrotoluene	9.81	165	53088	9.25	ng	# 16
56) 2,4-Dinitrotoluene	9.81	165	53088	7.38	ng	# 33
57) Fluorene	10.36	166	618	Below Cal	#	85
64) 4,6-Dinitro-2-methylphenol	10.60	198	795	3.17	ng	# 23
66) 4-Bromophenyl-phenylether	10.60	248	25494	4.54	ng	# 1

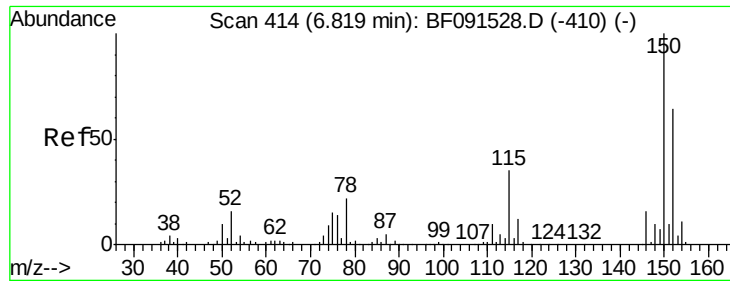
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF091702.D

Acq: 17 Dec 2016 5:58

Instrument :

BNA_F

ClientSampleId :

MW-05

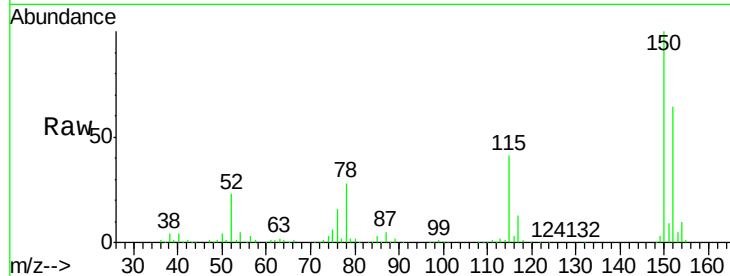
Tgt Ion:152 Resp: 234568

Ion Ratio Lower Upper

152 100

150 155.4 122.5 183.7

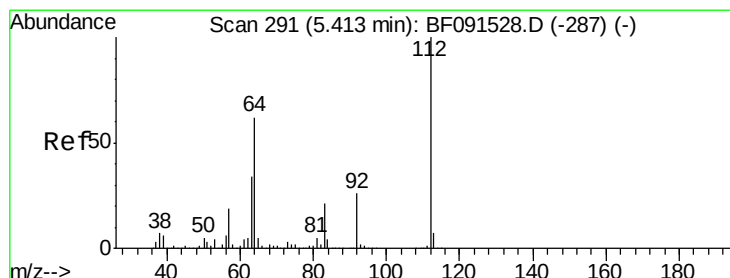
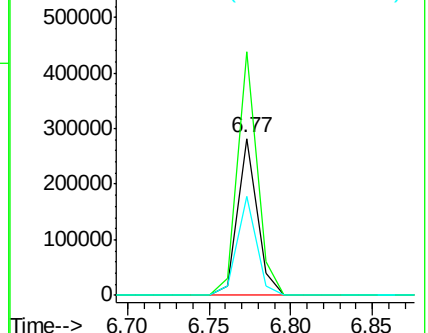
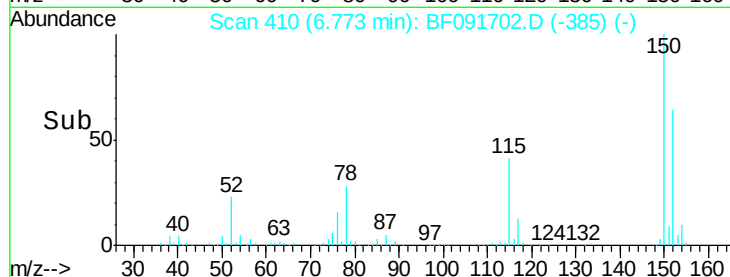
115 63.3 51.8 77.8



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: 57.81 ng

RT: 5.37 min Scan# 287

Delta R.T. -0.01 min

Lab File: BF091702.D

Acq: 17 Dec 2016 5:58

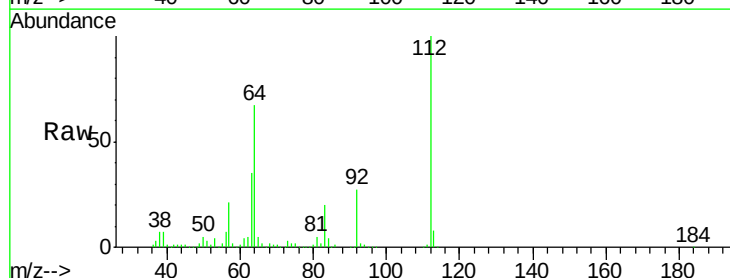
Tgt Ion:112 Resp: 804913

Ion Ratio Lower Upper

112 100

64 67.4 61.5 92.3

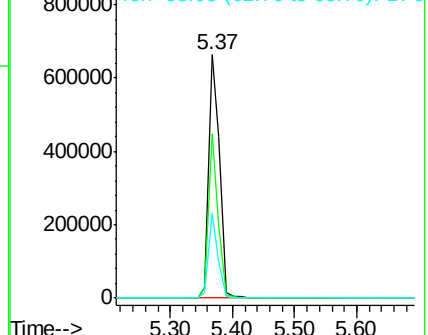
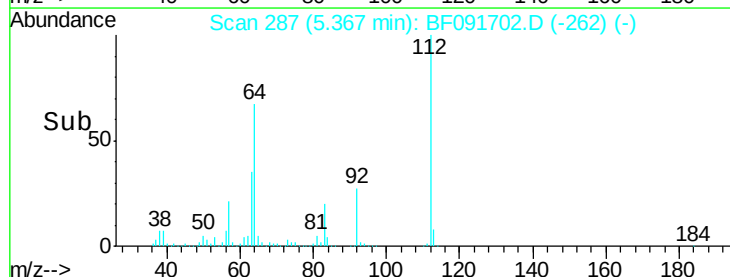
63 34.7 33.3 49.9

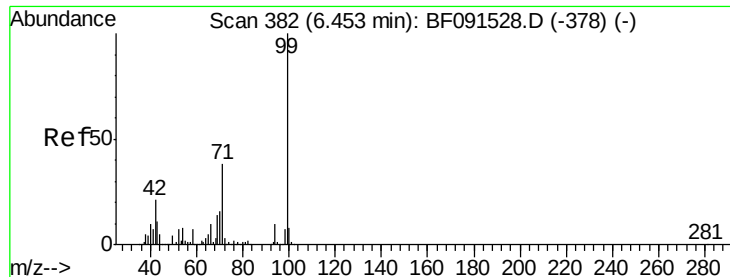


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 32.64 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.02 min

Lab File: BF091702.D

Acq: 17 Dec 2016 5:58

Instrument :

BNA_F

ClientSampleId :

MW-05

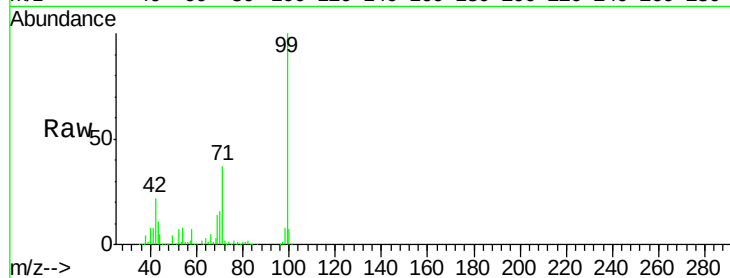
Tgt Ion: 99 Resp: 566495

Ion Ratio Lower Upper

99 100

42 22.1 20.6 31.0

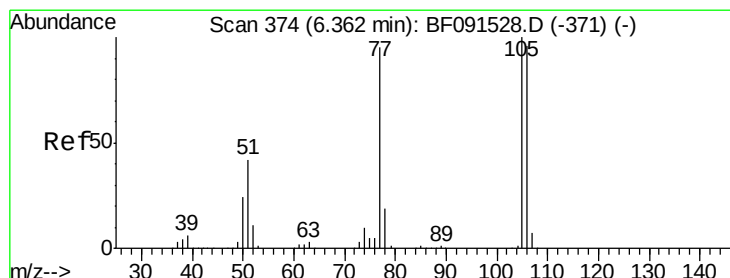
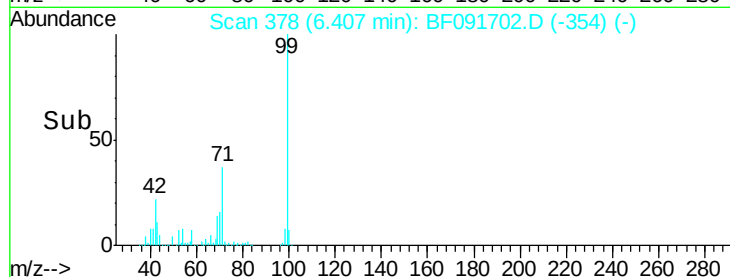
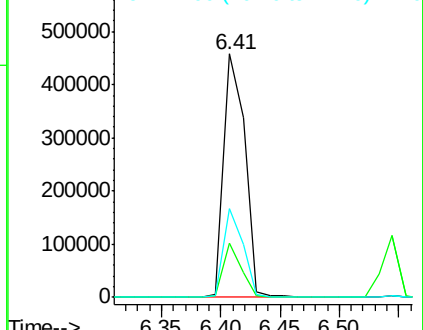
71 36.6 29.9 44.9



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: 3.06 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.22 min

Lab File: BF091702.D

Acq: 17 Dec 2016 5:58

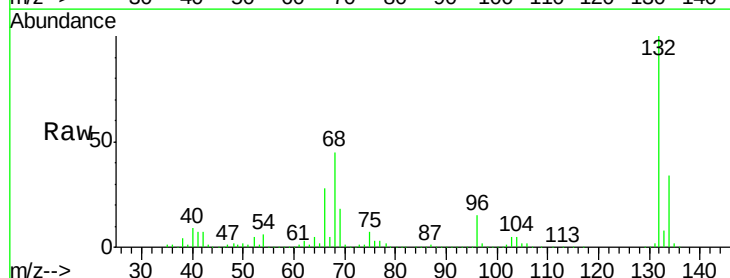
Tgt Ion: 77 Resp: 36526

Ion Ratio Lower Upper

77 100

105 75.5 66.4 106.4

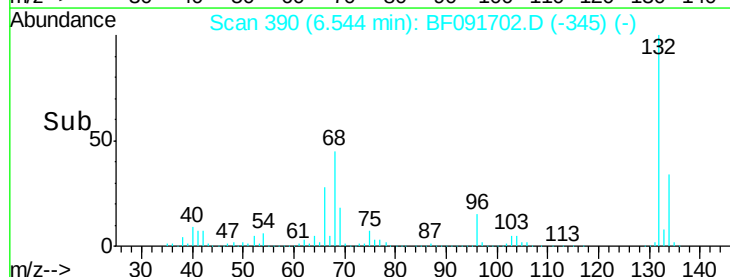
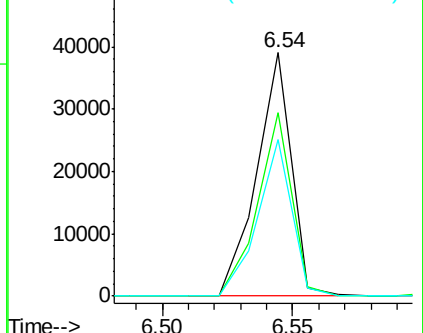
106 64.4 60.9 100.9

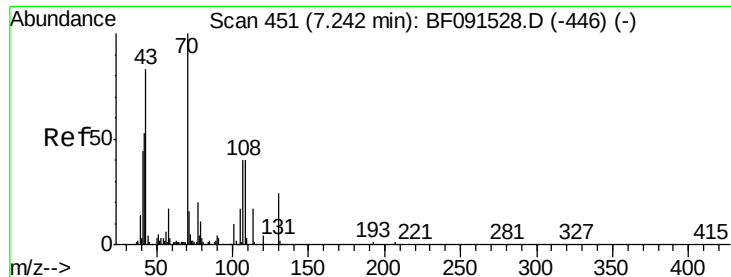


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

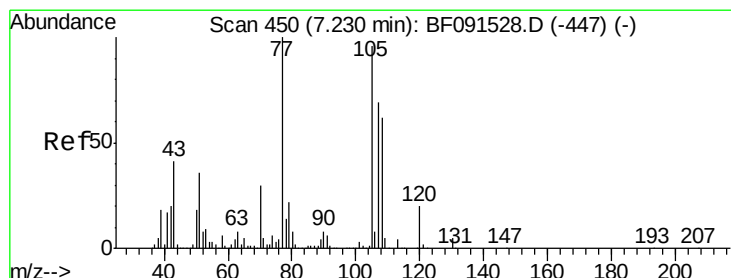
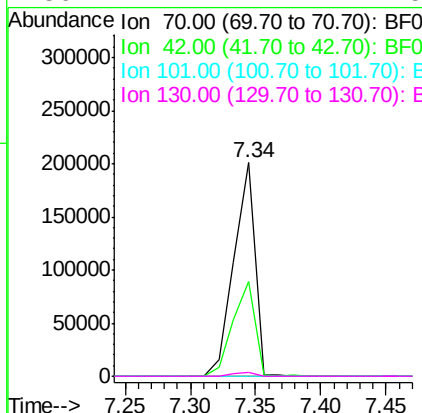
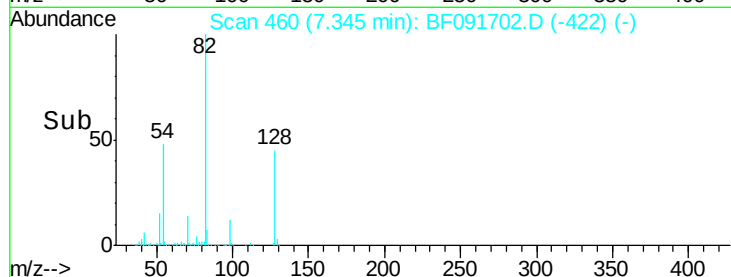
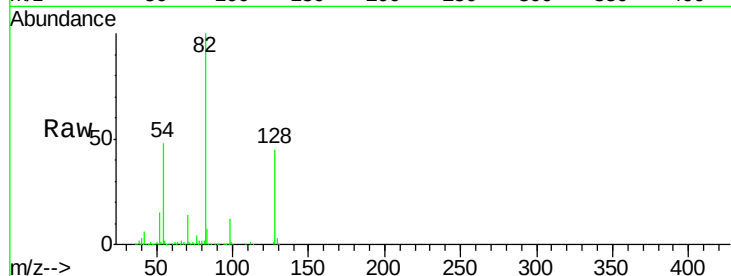




#19
n-Nitroso-di-n-propylamine
Concen: 20.78 ng
RT: 7.34 min Scan# 460
Delta R.T. 0.14 min
Lab File: BF091702.D
Acq: 17 Dec 2016 5:58

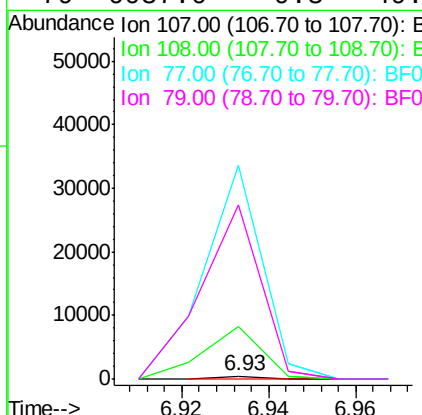
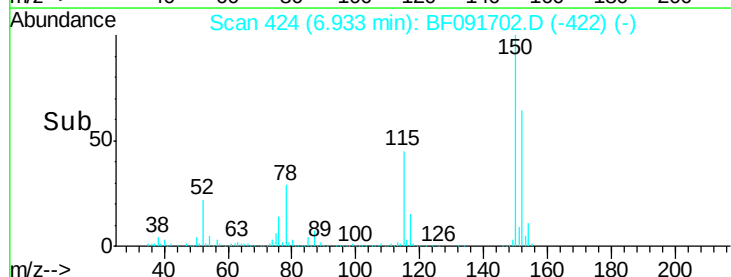
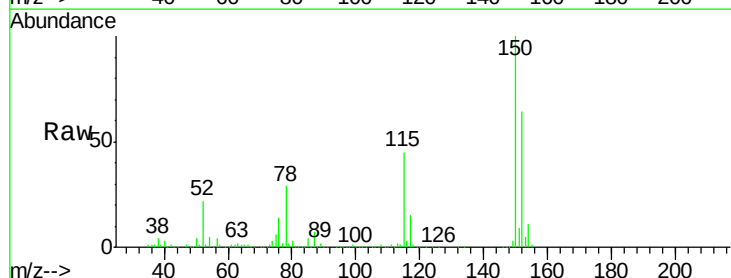
Instrument :
BNA_F
ClientSampleId :
MW-05

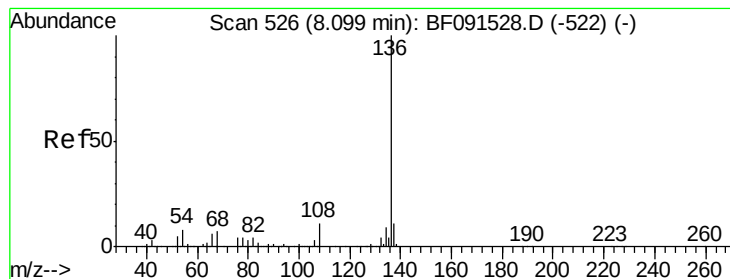
Tgt Ion: 70 Resp: 225523
Ion Ratio Lower Upper
70 100
42 44.2 64.8 97.2#
101 0.0 6.2 9.4#
130 2.1 11.7 17.5#



#20
3+4-Methylphenols
Concen: Below Cal
RT: 6.93 min Scan# 424
Delta R.T. -0.27 min
Lab File: BF091702.D
Acq: 17 Dec 2016 5:58

Tgt Ion: 107 Resp: 311
Ion Ratio Lower Upper
107 100
108 1805.7 64.6 104.6#
77 7400.9 30.9 70.9#
79 6037.0 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: BF091702.D

Acq: 17 Dec 2016 5:58

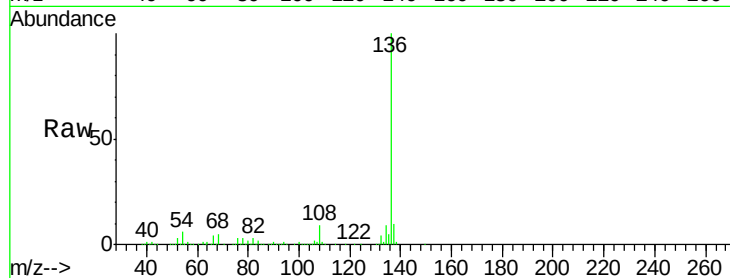
Instrument :

BNA_F

ClientSampleId :

MW-05

Tgt Ion:	136	Resp:	909255
Ion Ratio	Lower	Upper	
136	100		
137	10.4	9.1	13.7
54	5.6	9.1	13.7#
68	4.7	5.9	8.9#



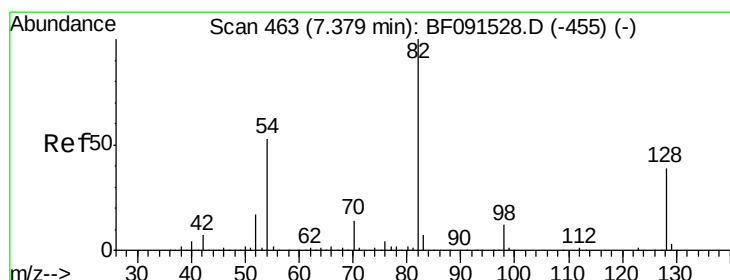
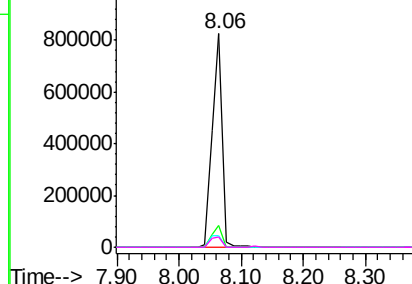
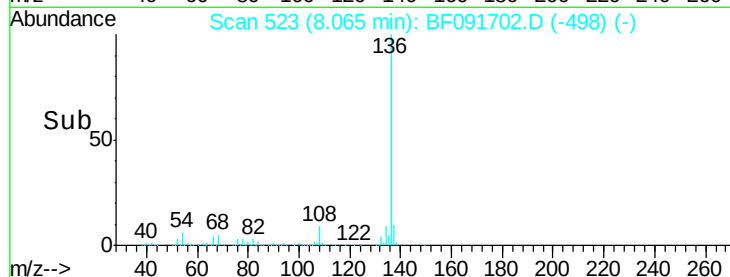
Abundance

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: 101.11 ng

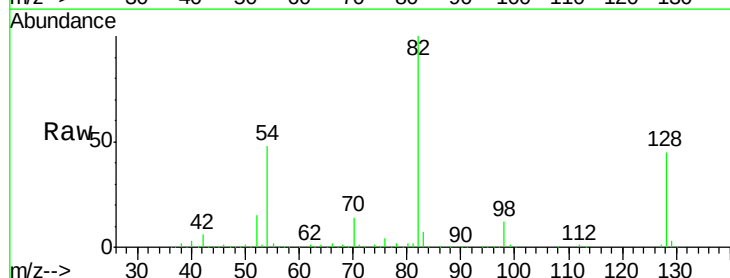
RT: 7.34 min Scan# 460

Delta R.T. -0.01 min

Lab File: BF091702.D

Acq: 17 Dec 2016 5:58

Tgt Ion:	82	Resp:	1647211
Ion Ratio	Lower	Upper	
82	100		
128	44.9	31.8	47.6
54	48.1	49.1	73.7#

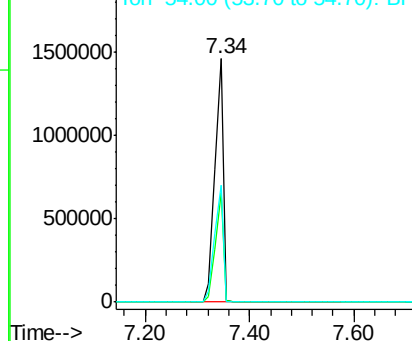
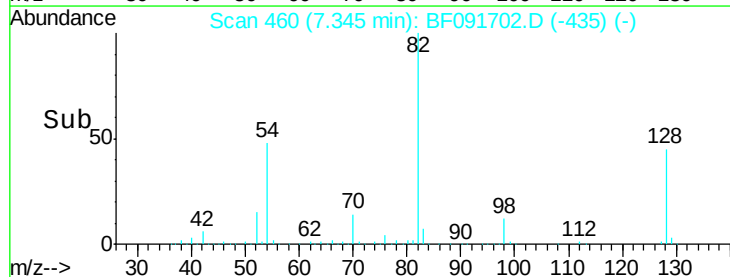


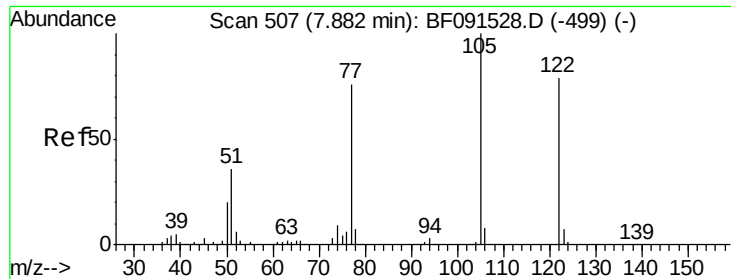
Abundance

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





#32

Benzoic acid

Concen: 4.92 ng

RT: 8.06 min Scan# 523

Delta R.T. 0.21 min

Lab File: BF091702.D

Acq: 17 Dec 2016 5:58

Instrument :

BNA_F

ClientSampled :

MW-05

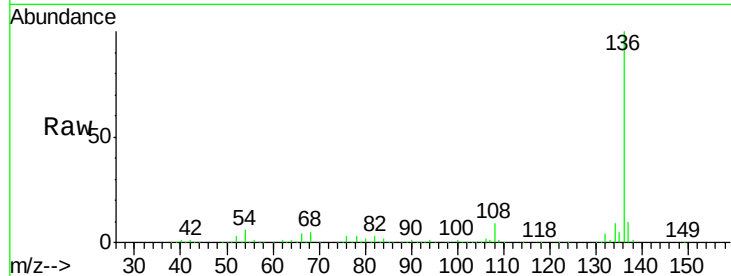
Tgt Ion:122 Resp: 209

Ion Ratio Lower Upper

122 100

105 316.7 113.0 153.0#

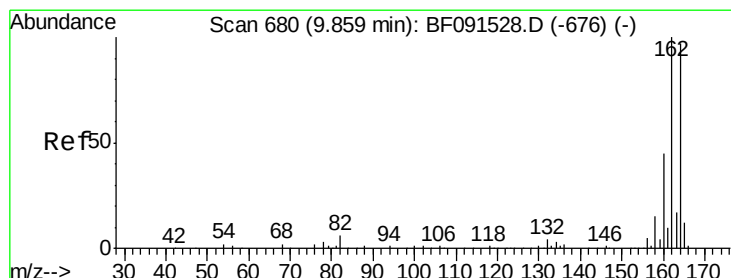
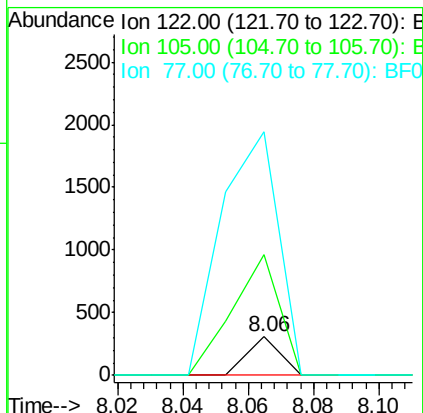
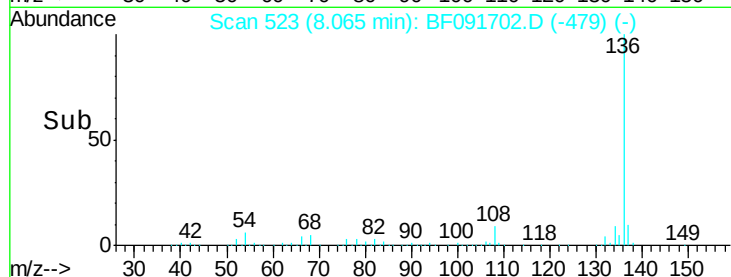
77 637.0 82.0 122.0#



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: BF091702.D

Acq: 17 Dec 2016 5:58

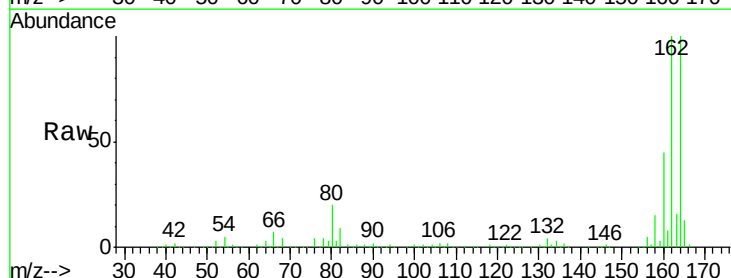
Tgt Ion:164 Resp: 412832

Ion Ratio Lower Upper

164 100

162 100.0 82.6 124.0

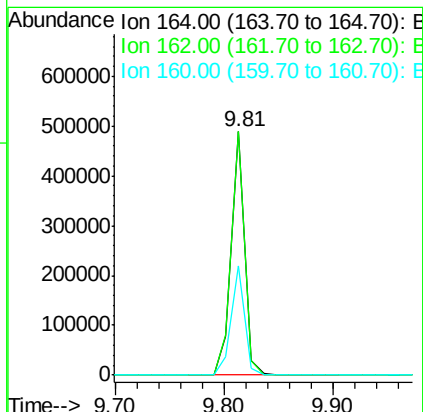
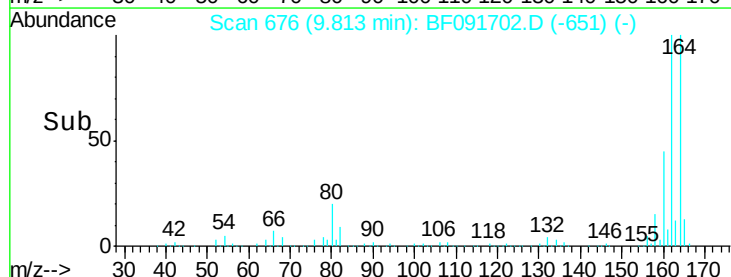
160 45.0 36.7 55.1

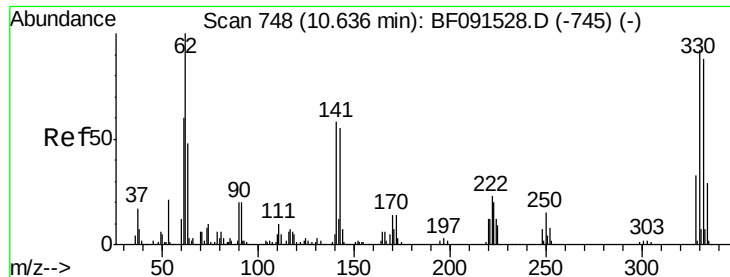


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

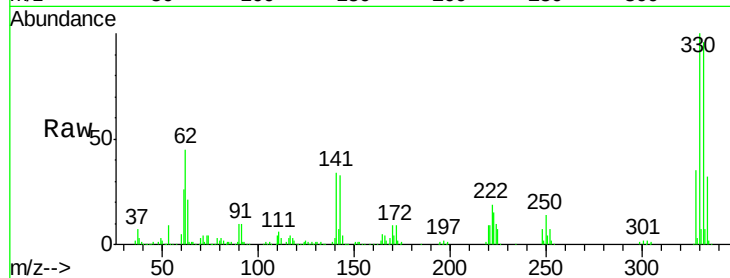




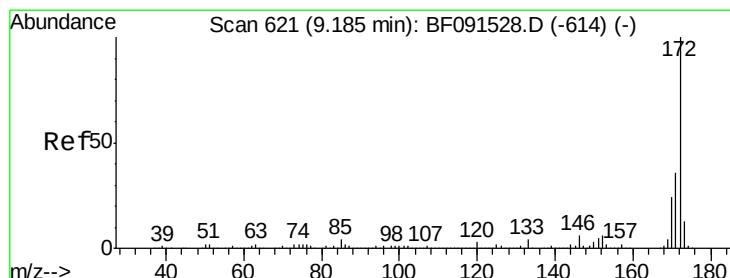
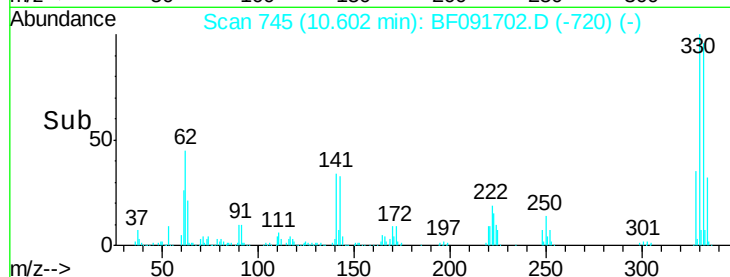
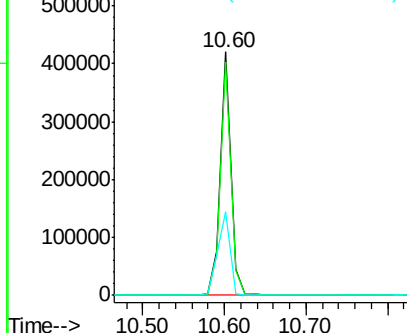
#41
 2,4,6-Tribromophenol
 Concen: 110.54 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF091702.D
 Acq: 17 Dec 2016 5:58

Instrument :
 BNA_F
 ClientSampled :
 MW-05

Tgt Ion:330 Resp: 379018
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.2 114.4
 141 40.4 33.6 50.4

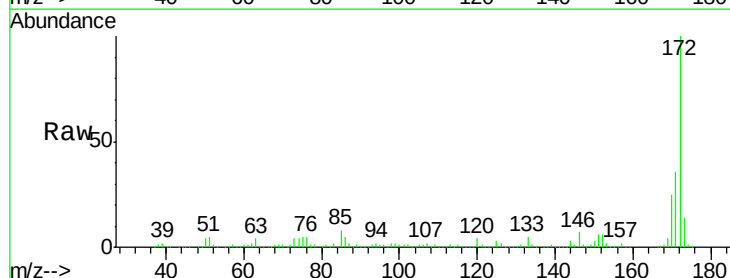


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

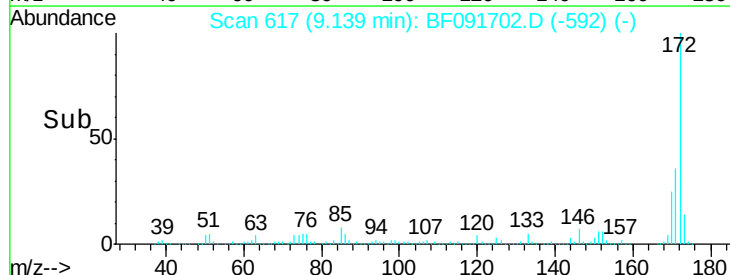
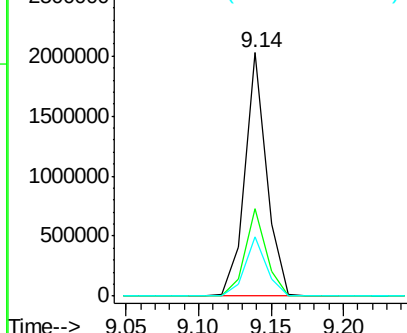


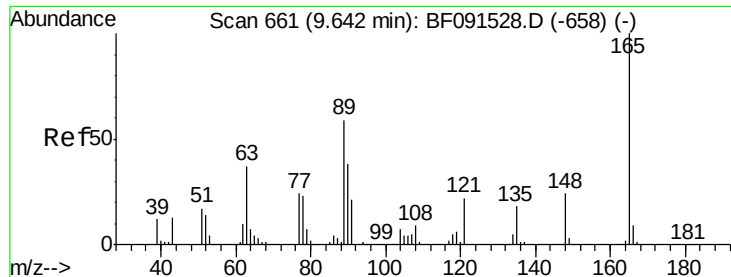
#44
 2-Fluorobiphenyl
 Concen: 88.28 ng
 RT: 9.14 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF091702.D
 Acq: 17 Dec 2016 5:58

Tgt Ion:172 Resp: 2109204
 Ion Ratio Lower Upper
 172 100
 171 35.9 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

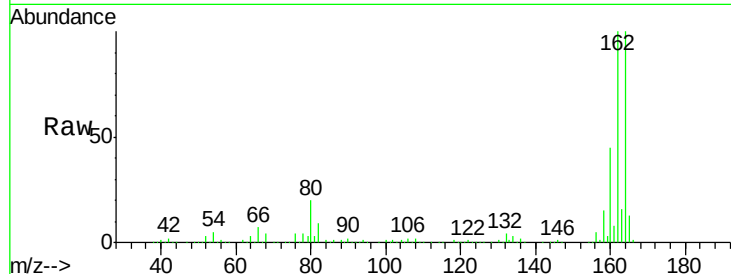




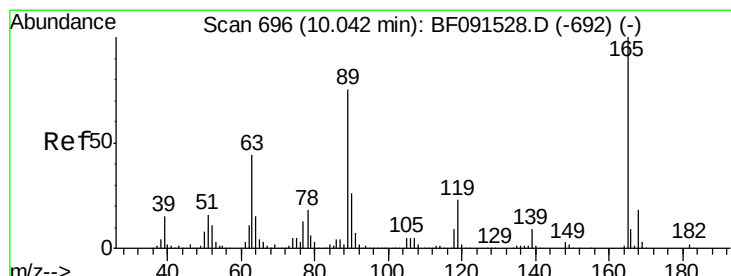
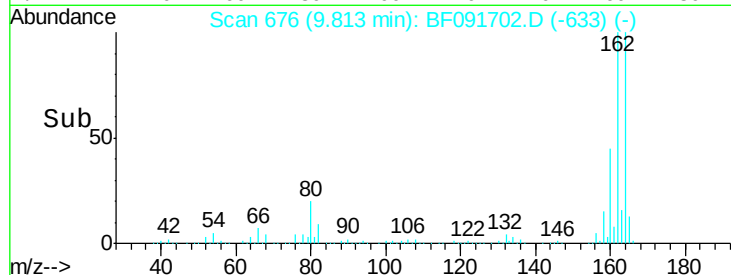
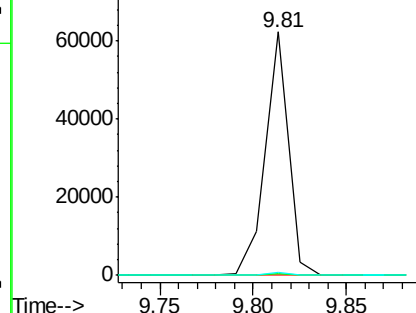
#50
 2,6-Dinitrotoluene
 Concen: 9.25 ng
 RT: 9.81 min Scan# 676
 Delta R.T. 0.19 min
 Lab File: BF091702.D
 Acq: 17 Dec 2016 5:58

Instrument :
 BNA_F
 ClientSampleId :
 MW-05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.8	59.4	89.0#
89	1.2	50.8	76.2#



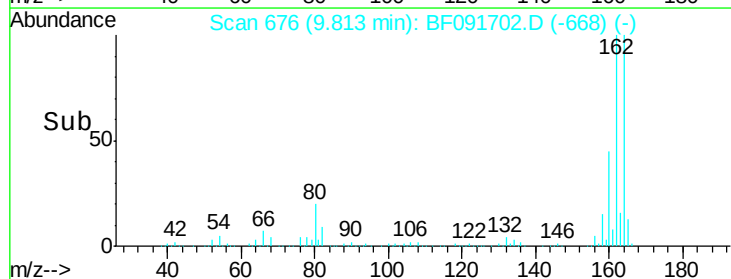
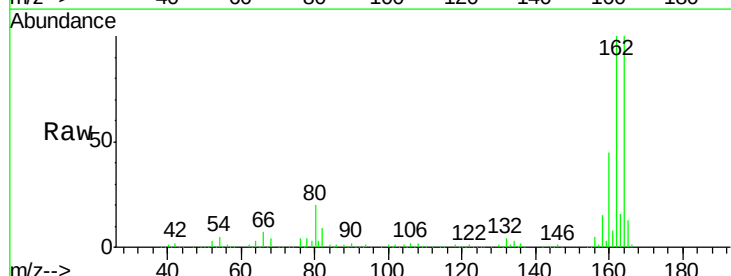
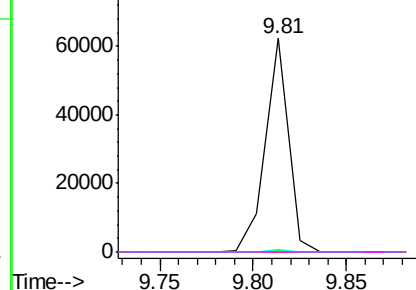
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

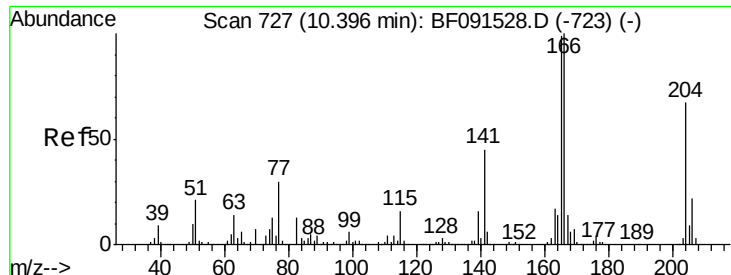


#56
 2,4-Dinitrotoluene
 Concen: 7.38 ng
 RT: 9.81 min Scan# 676
 Delta R.T. -0.21 min
 Lab File: BF091702.D
 Acq: 17 Dec 2016 5:58

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.8	29.0	43.4#
89	1.2	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

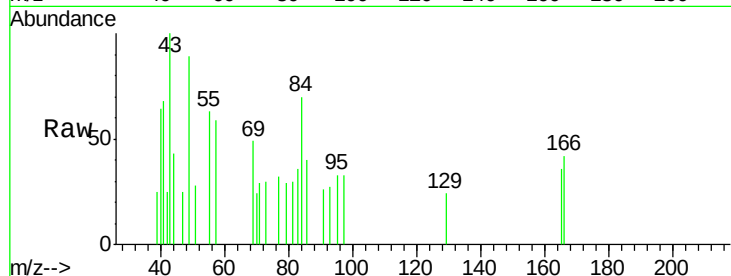




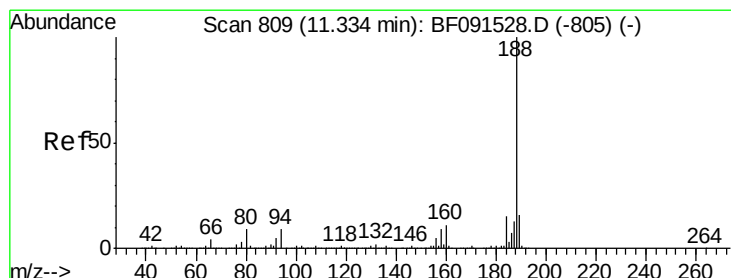
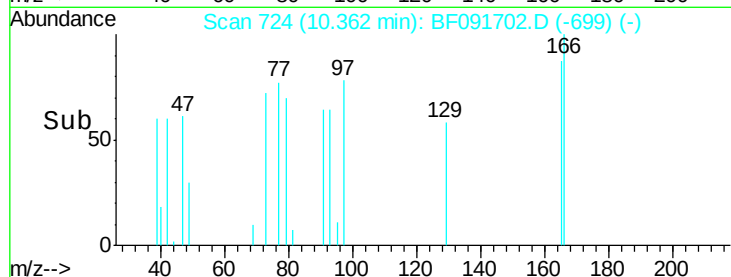
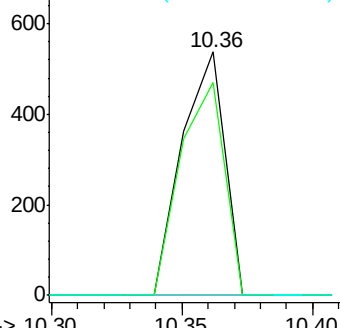
#57
Fluorene
 Concen: Below Cal
 RT: 10.36 min Scan# 724
 Delta R.T. -0.01 min
 Lab File: BF091702.D
 Acq: 17 Dec 2016 5:58

Instrument :
 BNA_F
 ClientSampleId :
 MW-05

Tgt Ion:166 Resp: 618
 Ion Ratio Lower Upper
 166 100
 165 87.2 80.0 120.0
 167 0.0 10.8 16.2#

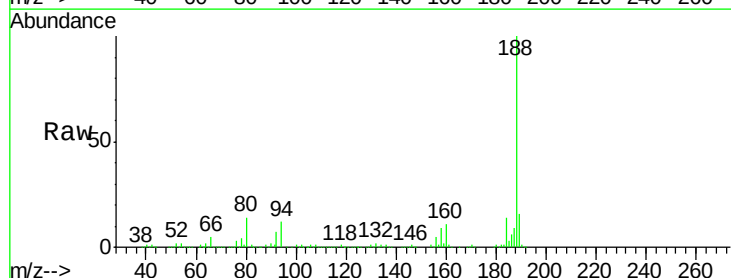


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

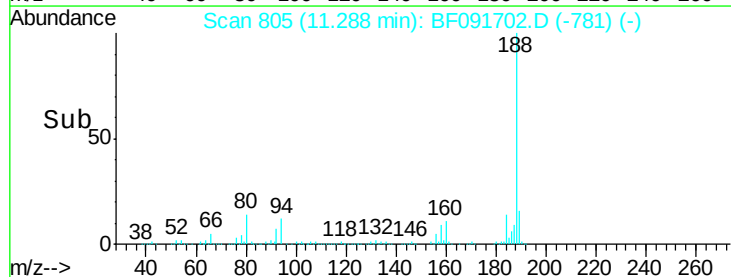
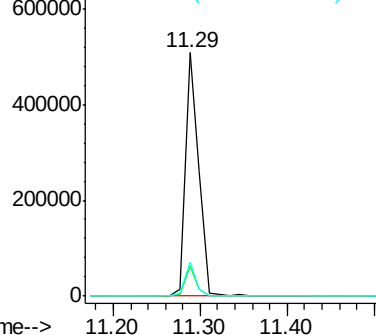


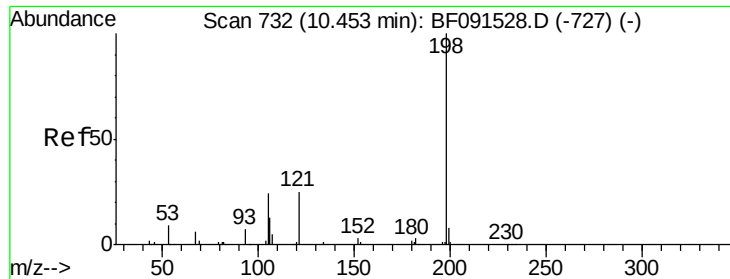
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 805
 Delta R.T. -0.02 min
 Lab File: BF091702.D
 Acq: 17 Dec 2016 5:58

Tgt Ion:188 Resp: 547782
 Ion Ratio Lower Upper
 188 100
 94 12.1 9.2 13.8
 80 13.7 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

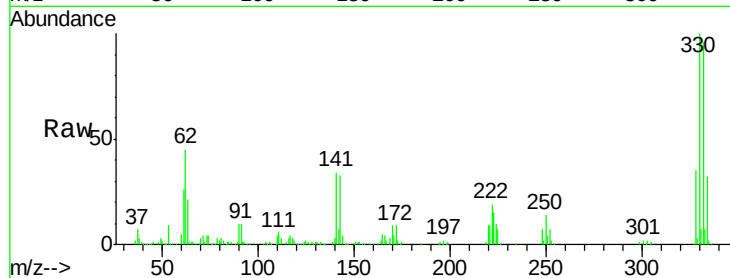




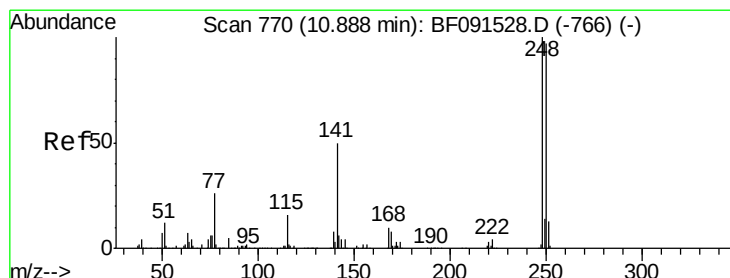
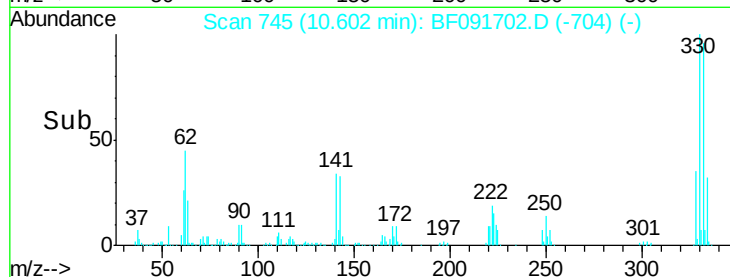
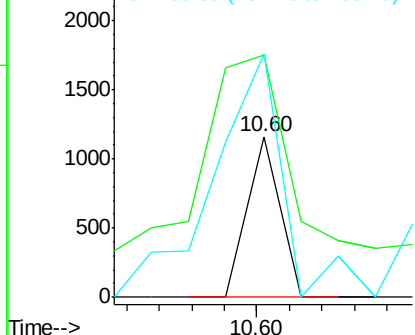
#64
4,6-Dinitro-2-methylphenol
Concen: 3.17 ng
RT: 10.60 min Scan# 745
Delta R.T. 0.17 min
Lab File: BF091702.D
Acq: 17 Dec 2016 5:58

Instrument :
BNA_F
ClientSampled :
MW-05

Tgt Ion:198 Resp: 795
Ion Ratio Lower Upper
198 100
51 150.8 77.1 117.1#
105 151.8 44.8 84.8#

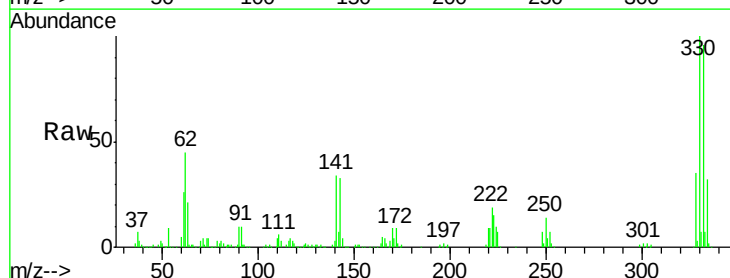


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

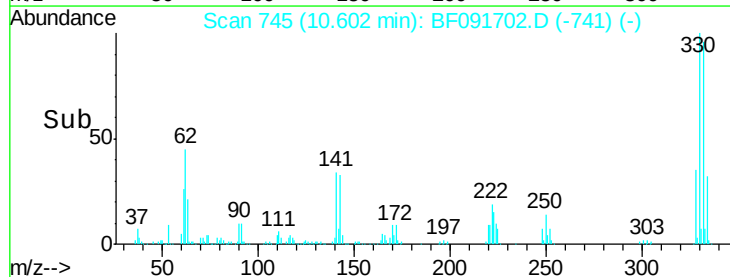
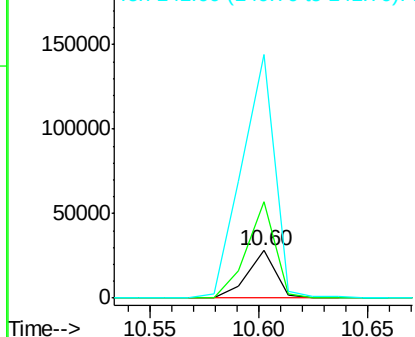


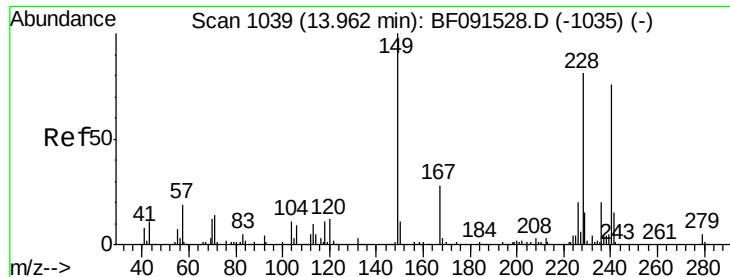
#66
4-Bromophenyl-phenylether
Concen: 4.54 ng
RT: 10.60 min Scan# 745
Delta R.T. -0.25 min
Lab File: BF091702.D
Acq: 17 Dec 2016 5:58

Tgt Ion:248 Resp: 25494
Ion Ratio Lower Upper
248 100
250 202.2 78.2 117.4#
141 511.1 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: 13.93 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF091702.D

Acq: 17 Dec 2016 5:58

Instrument :

BNA_F

ClientSampleId :

MW-05

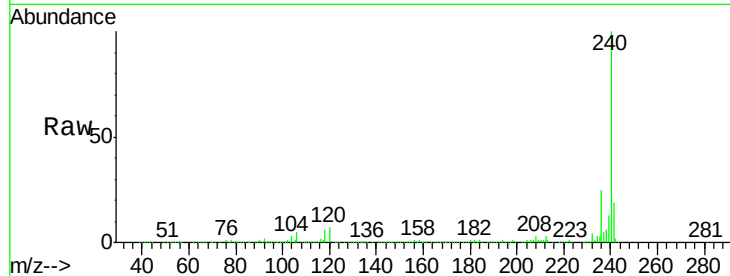
Tgt Ion:240 Resp: 494422

Ion Ratio Lower Upper

240 100

120 6.6 12.1 18.1#

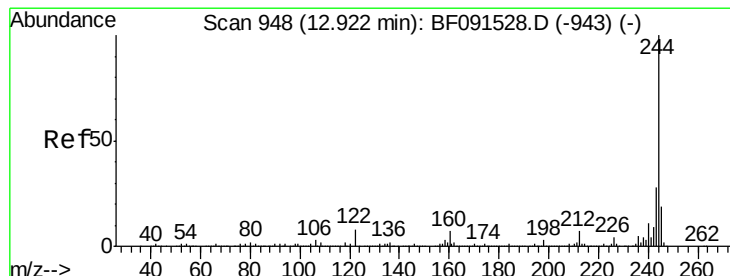
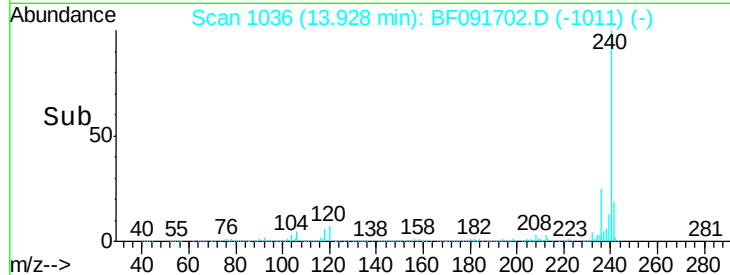
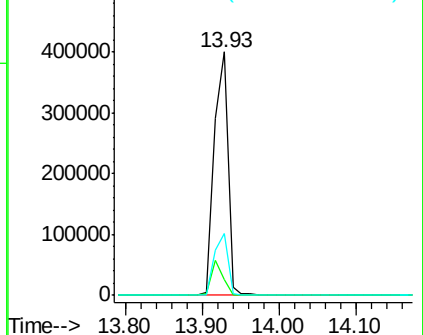
236 25.4 21.0 31.6



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: 69.64 ng

RT: 12.88 min Scan# 944

Delta R.T. -0.02 min

Lab File: BF091702.D

Acq: 17 Dec 2016 5:58

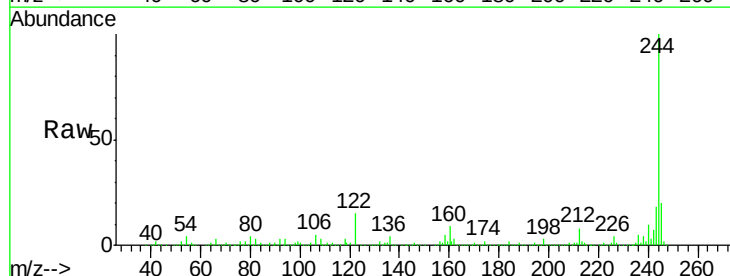
Tgt Ion:244 Resp: 1517474

Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

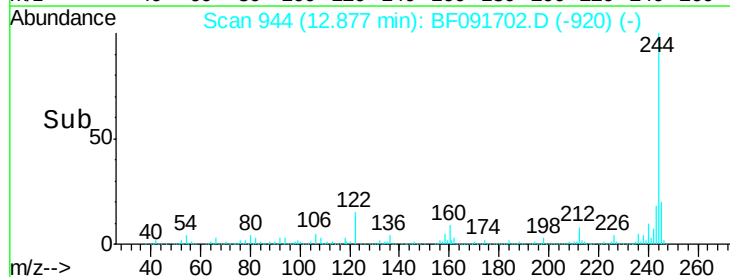
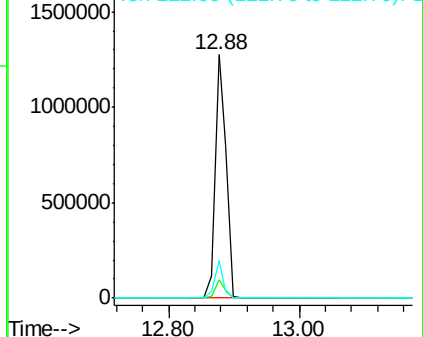
122 15.3 9.5 14.3#

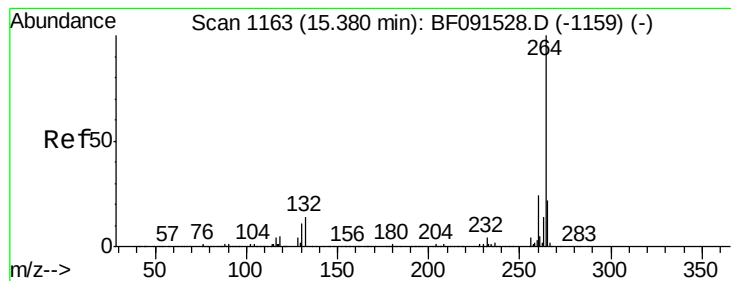


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF091702.D

Acq: 17 Dec 2016 5:58

Instrument :

BNA_F

ClientSampleId :

MW-05

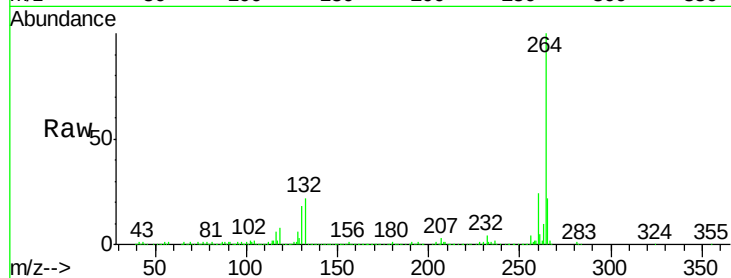
Tgt Ion: 264 Resp: 373525

Ion Ratio Lower Upper

264 100

260 23.9 18.8 28.2

265 21.6 17.0 25.6



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

