

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121316\
 Data File : BF091555.D
 Acq On : 13 Dec 2016 15:50
 Operator : UM/SJ
 Sample : H5943-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2

Quant Time: Dec 14 00:19:35 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 19:00:21 2016
 Response via : Initial Calibration

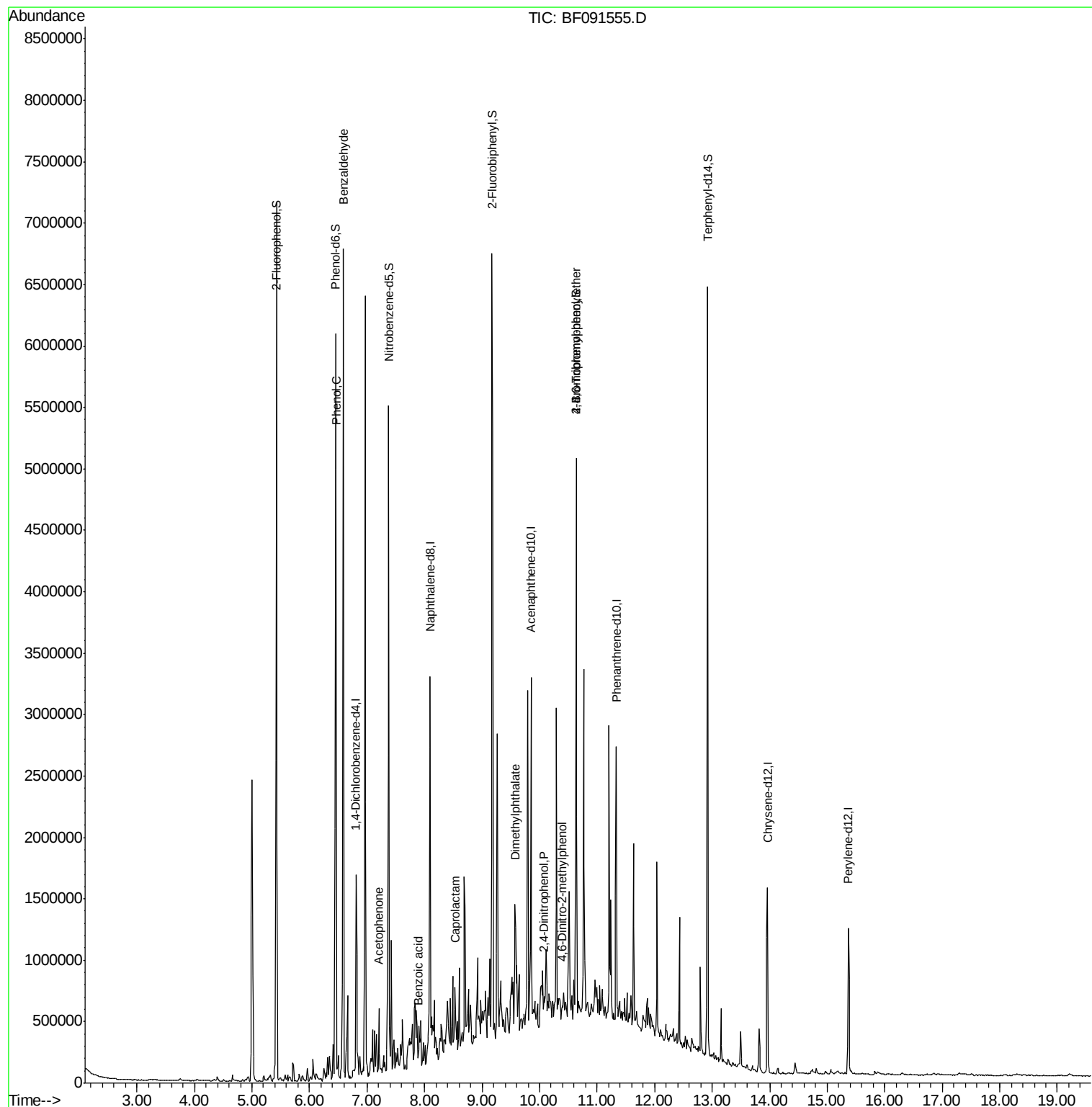
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	296878	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	1204594	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	571190	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	945483	20.00	ng	0.00
75) Chrysene-d12	13.96	240	691267	20.00	ng	0.00
86) Perylene-d12	15.37	264	578327	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	2313651	131.30	ng	0.01
7) Phenol-d6	6.45	99	3195990	145.48	ng	0.00
23) Nitrobenzene-d5	7.38	82	1987901	92.11	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	659339	138.98	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	3082668	93.25	ng	-0.01
78) Terphenyl-d14	12.92	244	2536854	83.28	ng	0.00
Target Compounds						
9) Benzaldehyde	6.59	77	64501	4.27	ng	Qvalue 93
10) Phenol	6.46	94	51480	2.00	ng	# 1
20) 3+4-Methylphenols	7.23	107	3071	Below Cal	#	55
22) Acetophenone	7.21	105	59185	2.05	ng	# 37
32) Benzoic acid	7.89	122	2908	5.10	ng	# 13
35) Caprolactam	8.53	113	13840	3.08	ng	# 85
49) Dimethylphthalate	9.57	163	251604	6.96	ng	# 98
53) 2,4-Dinitrophenol	10.08	184	294	2.08	ng	# 1
57) Fluorene	10.40	166	11052	Below Cal	#	72
64) 4,6-Dinitro-2-methylphenol	10.40	198	232	2.98	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	38841	4.01	ng	# 1

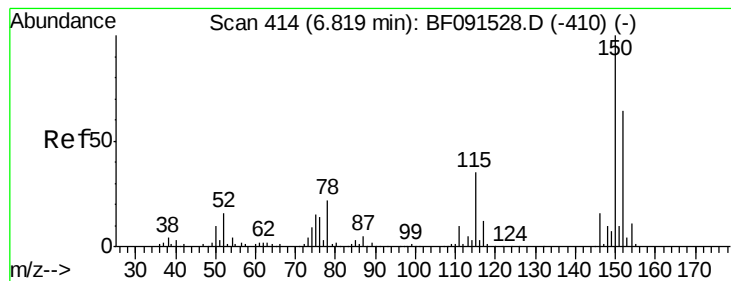
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121316\
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QLast Update : Fri Dec 09 19:00:21 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. -0.01 min

Lab File: BF091555.D

Acq: 13 Dec 2016 15:50

Instrument :

BNA_F

ClientSampleId :

MW-2

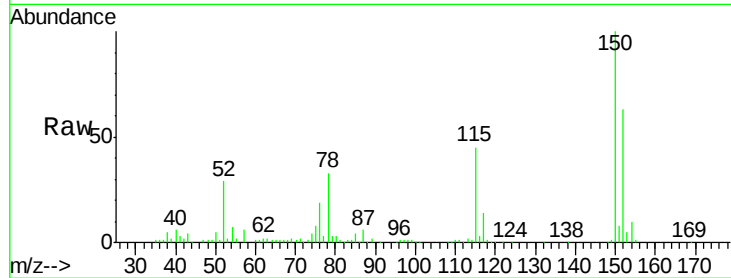
Tgt Ion:152 Resp: 296878

Ion Ratio Lower Upper

152 100

150 158.3 122.5 183.7

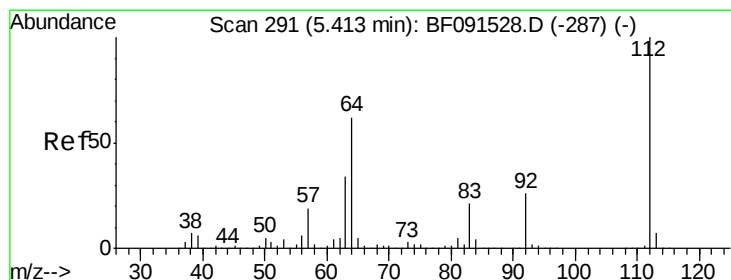
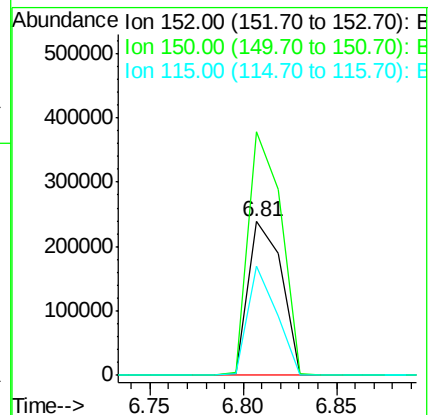
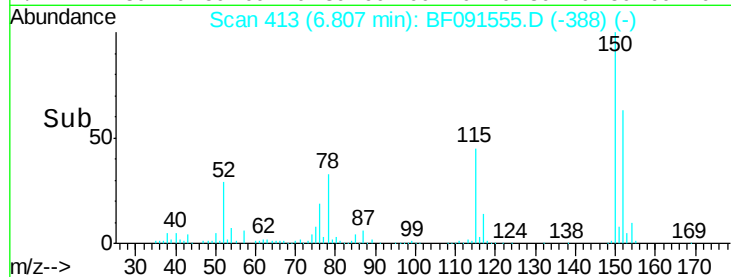
115 71.0 51.8 77.8



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: 131.30 ng

RT: 5.42 min Scan# 292

Delta R.T. 0.01 min

Lab File: BF091555.D

Acq: 13 Dec 2016 15:50

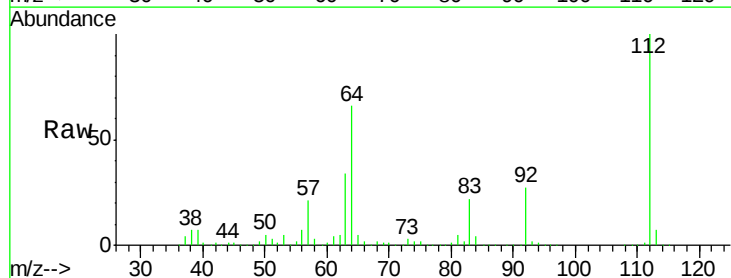
Tgt Ion:112 Resp: 2313651

Ion Ratio Lower Upper

112 100

64 65.5 61.5 92.3

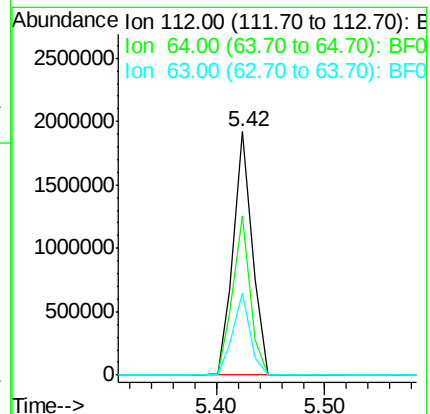
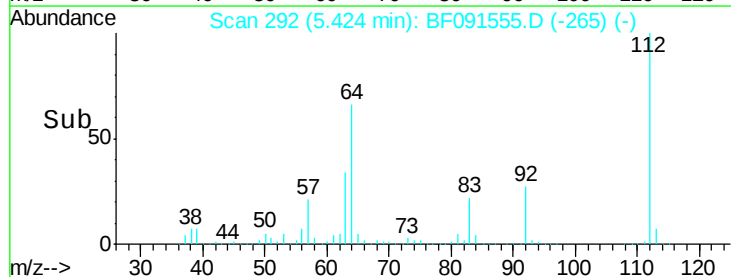
63 34.1 33.3 49.9

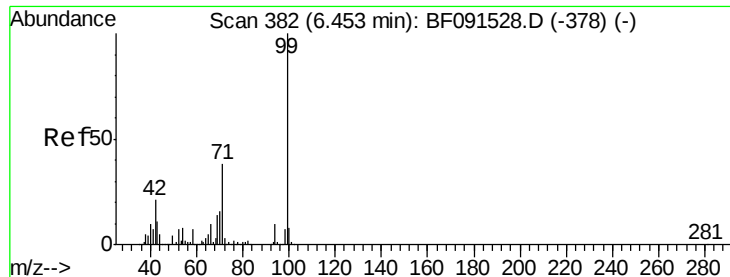


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 145.48 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.00 min

Lab File: BF091555.D

Acq: 13 Dec 2016 15:50

Instrument :

BNA_F

ClientSampled :

MW-2

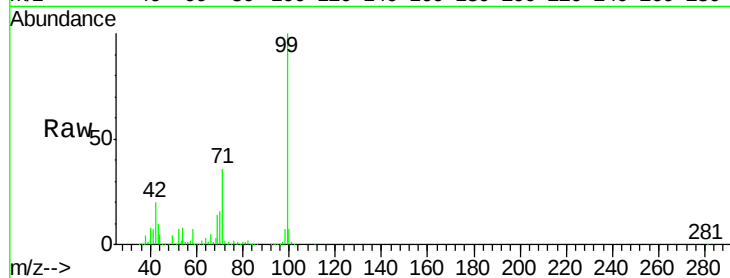
Tgt Ion: 99 Resp: 3195990

Ion Ratio Lower Upper

99 100

42 20.4 20.6 31.0#

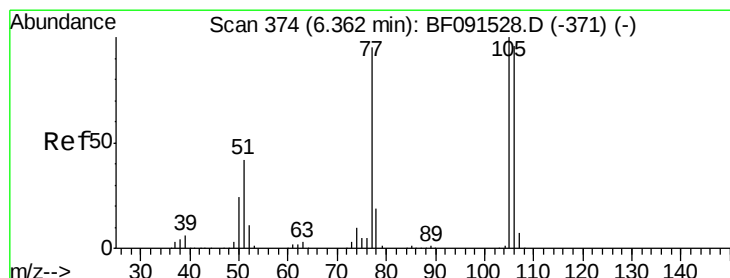
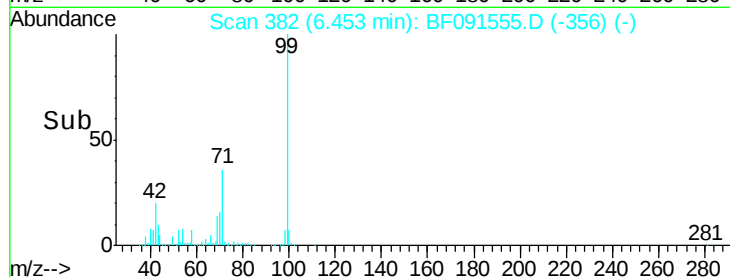
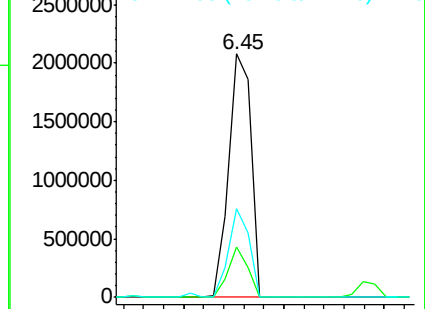
71 36.4 29.9 44.9



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: 4.27 ng

RT: 6.59 min Scan# 394

Delta R.T. 0.23 min

Lab File: BF091555.D

Acq: 13 Dec 2016 15:50

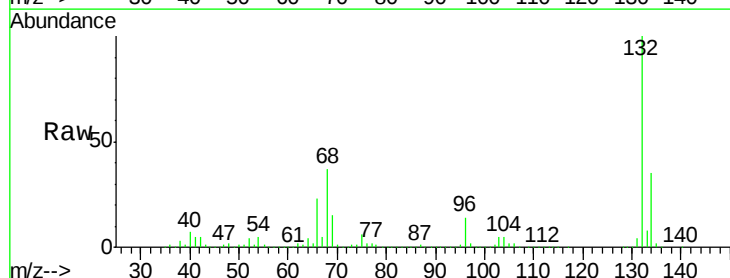
Tgt Ion: 77 Resp: 64501

Ion Ratio Lower Upper

77 100

105 81.7 66.4 106.4

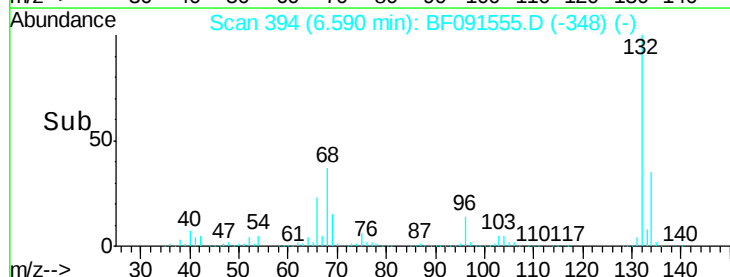
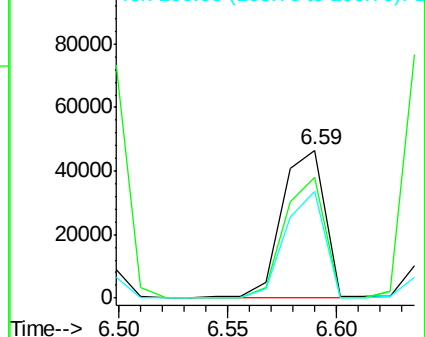
106 72.5 60.9 100.9

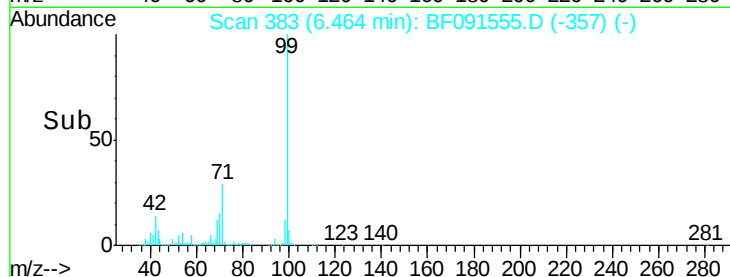
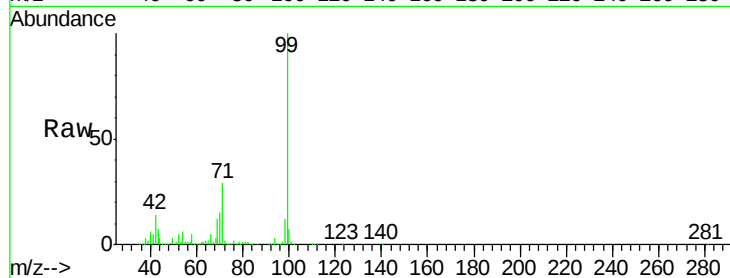
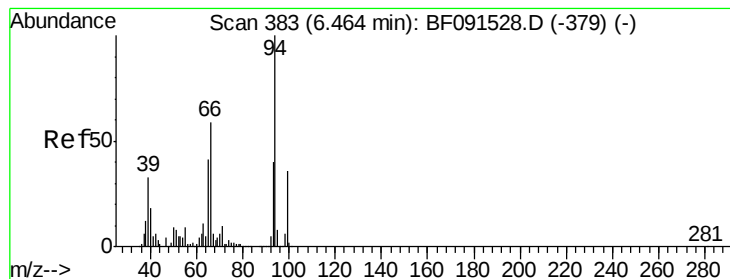


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.00 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.00 min

Lab File: BF091555.D

Acq: 13 Dec 2016 15:50

Instrument :

BNA_F

ClientSampleId :

MW-2

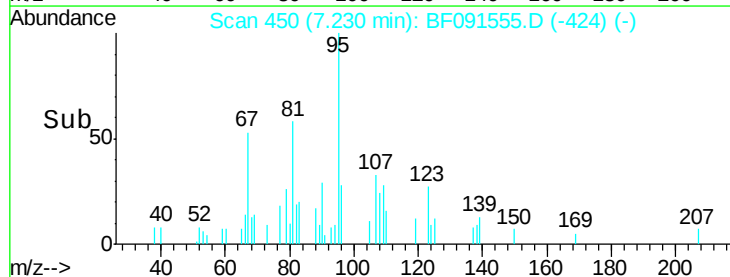
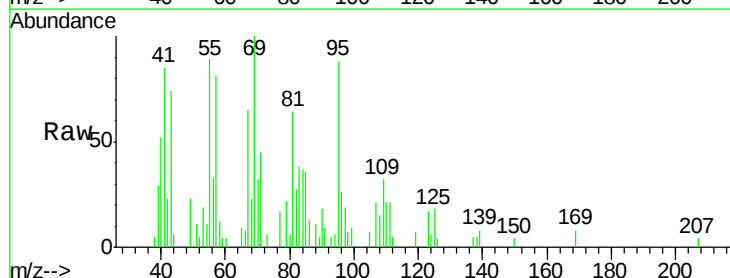
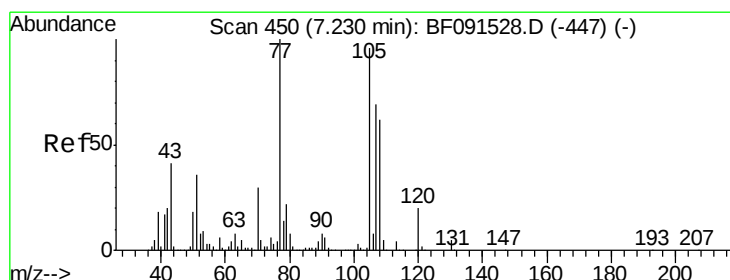
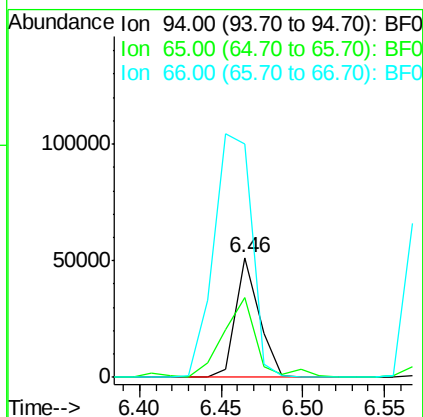
Tgt Ion: 94 Resp: 51480

Ion Ratio Lower Upper

94 100

65 66.6 16.9 56.9#

66 194.0 30.6 70.6#



#20

3+4-Methylphenols

Concen: Below Cal

RT: 7.23 min Scan# 450

Delta R.T. 0.00 min

Lab File: BF091555.D

Acq: 13 Dec 2016 15:50

Tgt Ion: 107 Resp: 3071

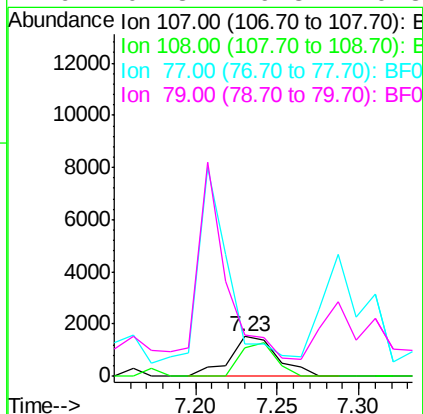
Ion Ratio Lower Upper

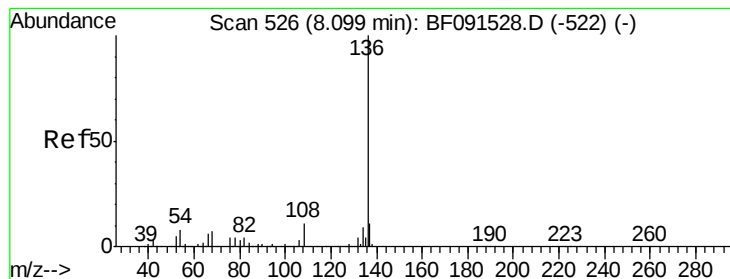
107 100

108 71.9 64.6 104.6

77 80.3 30.9 70.9#

79 104.3 9.3 49.3#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 526

Delta R.T. -0.00 min

Lab File: BF091555.D

Acq: 13 Dec 2016 15:50

Instrument :

BNA_F

ClientSampleId :

MW-2

Tgt Ion:136 Resp: 1204594

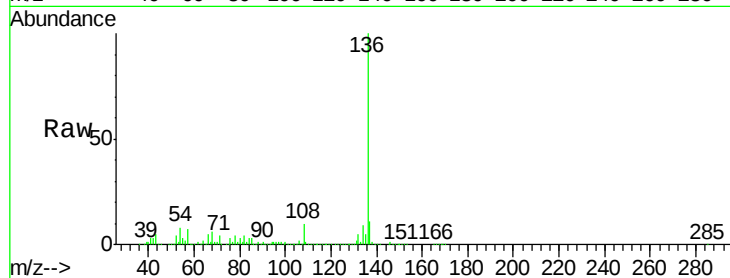
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 7.5 9.1 13.7#

68 6.0 5.9 8.9

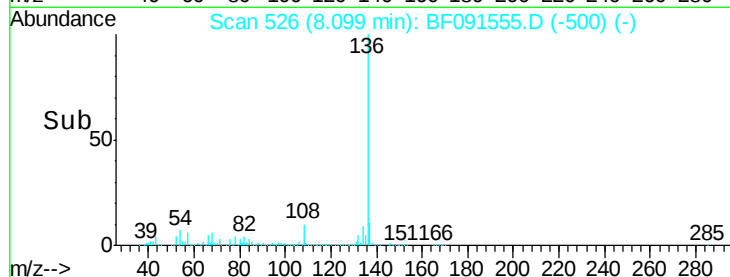


Abundance Ion 136.00 (135.70 to 136.70): E

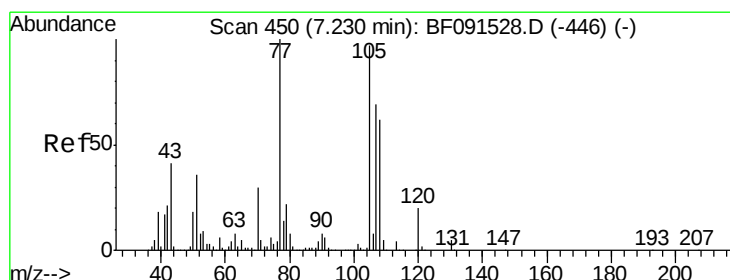
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 2.05 ng

RT: 7.21 min Scan# 448

Delta R.T. -0.02 min

Lab File: BF091555.D

Acq: 13 Dec 2016 15:50

Tgt Ion:105 Resp: 59185

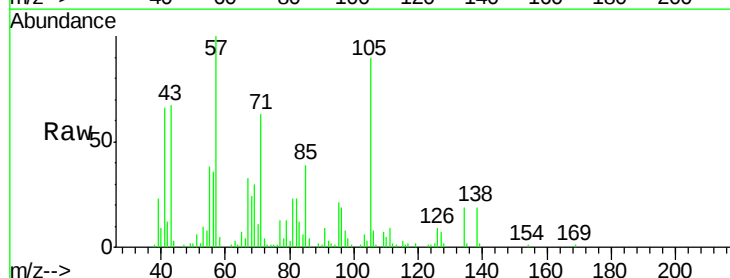
Ion Ratio Lower Upper

105 100

71 70.1 7.9 11.9#

51 6.9 24.5 36.7#

120 0.0 16.6 24.8#

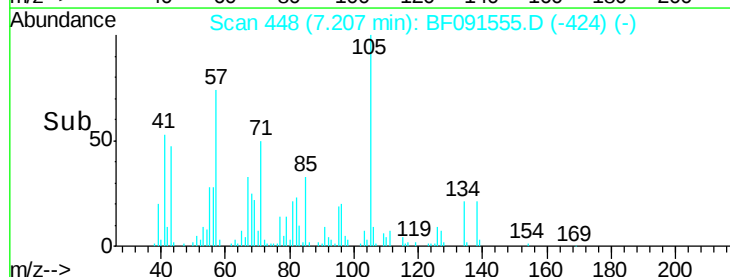


Abundance Ion 105.00 (104.70 to 105.70): E

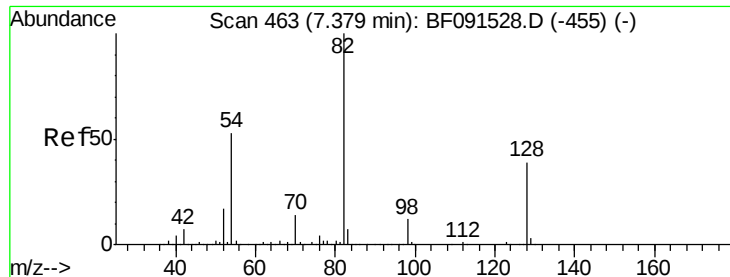
Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



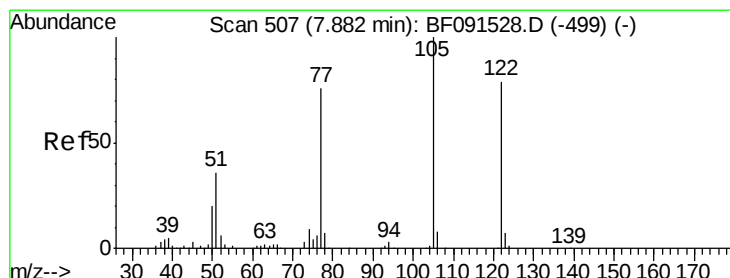
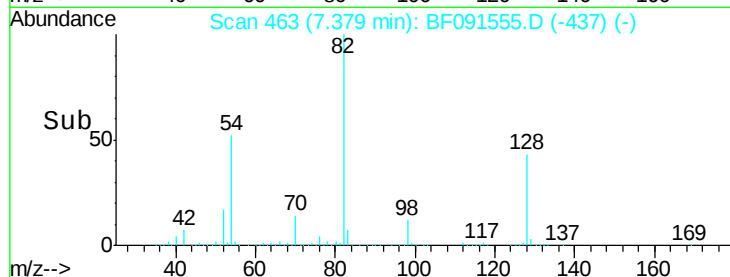
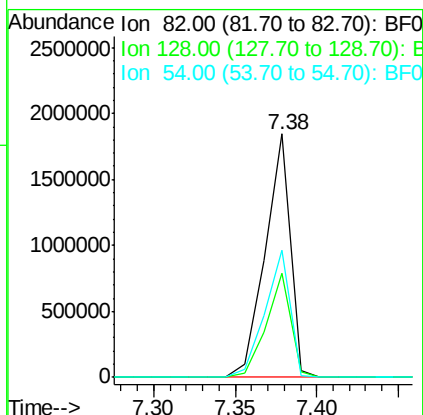
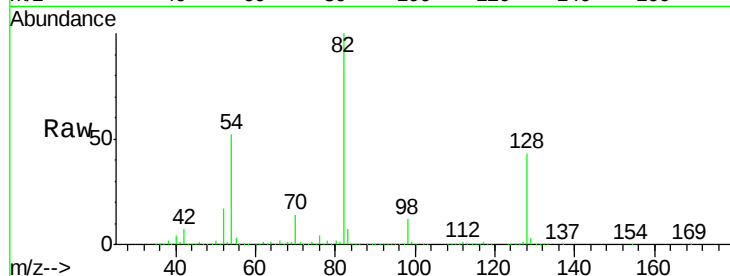
Time-->



#23
 Nitrobenzene-d5
 Concen: 92.11 ng
 RT: 7.38 min Scan# 463
 Delta R.T. -0.00 min
 Lab File: BF091555.D
 Acq: 13 Dec 2016 15:50

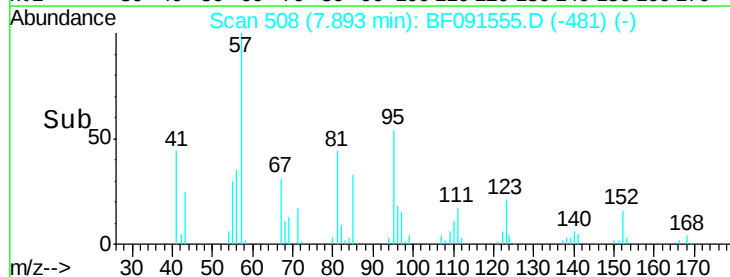
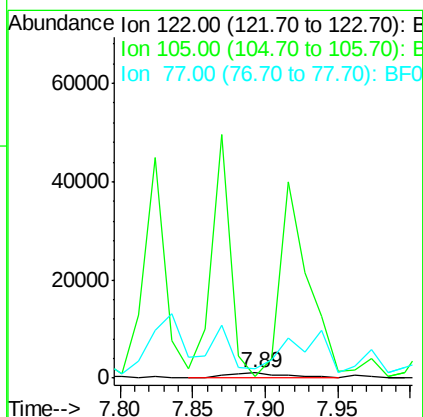
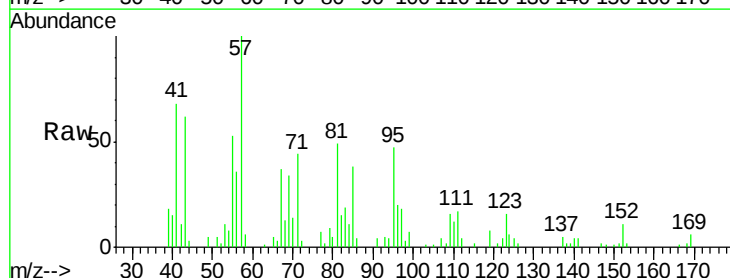
Instrument :
 BNA_F
 ClientSampleId :
 MW-2

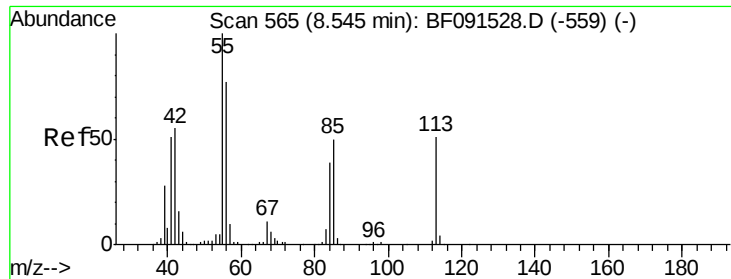
Tgt Ion: 82 Resp: 1987901
 Ion Ratio Lower Upper
 82 100
 128 42.7 31.8 47.6
 54 52.0 49.1 73.7



#32
 Benzoic acid
 Concen: 5.10 ng
 RT: 7.89 min Scan# 508
 Delta R.T. 0.01 min
 Lab File: BF091555.D
 Acq: 13 Dec 2016 15:50

Tgt Ion: 122 Resp: 2908
 Ion Ratio Lower Upper
 122 100
 105 37.5 113.0 153.0#
 77 197.1 82.0 122.0#





#35

Caprolactam

Concen: 3.08 ng

RT: 8.53 min Scan# 564

Delta R.T. -0.01 min

Lab File: BF091555.D

Acq: 13 Dec 2016 15:50

Instrument :

BNA_F

ClientSampleId :

MW-2

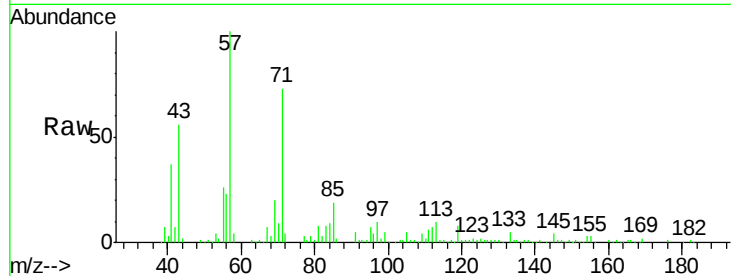
Tgt Ion:113 Resp: 13840

Ion Ratio Lower Upper

113 100

55 264.6 239.8 279.8

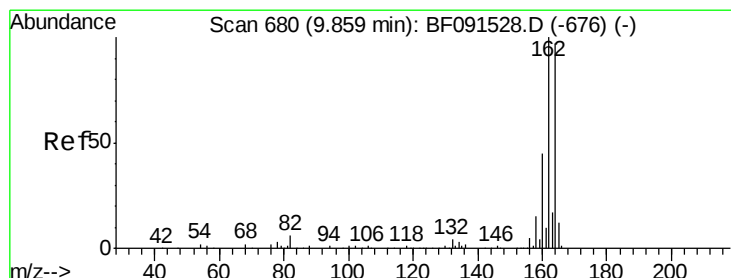
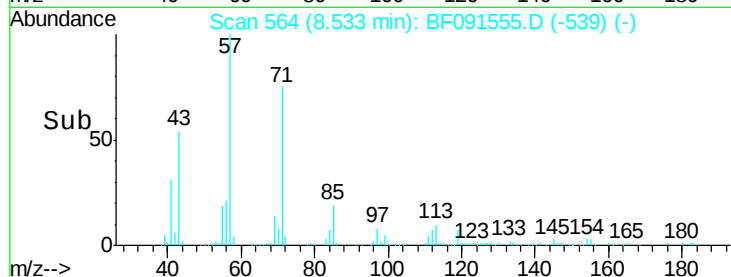
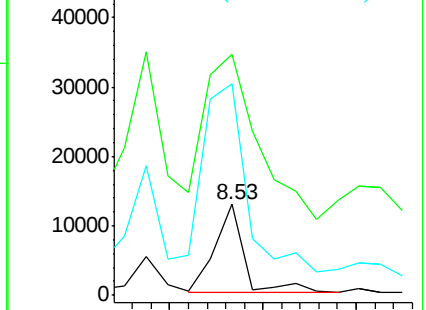
56 232.2 165.6 205.6#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.01 min

Lab File: BF091555.D

Acq: 13 Dec 2016 15:50

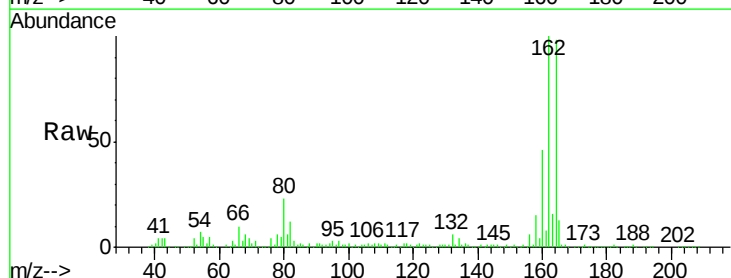
Tgt Ion:164 Resp: 571190

Ion Ratio Lower Upper

164 100

162 102.4 82.6 124.0

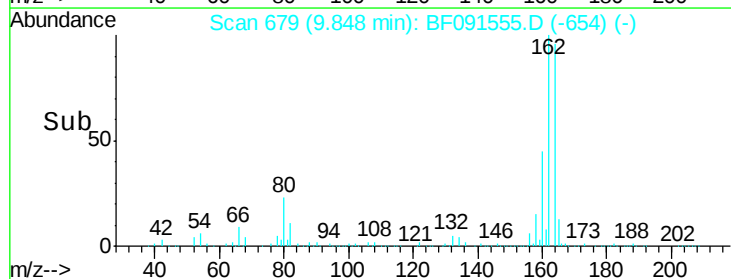
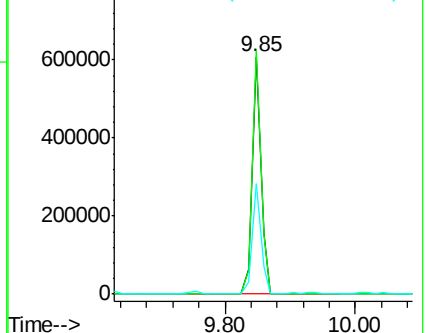
160 46.7 36.7 55.1

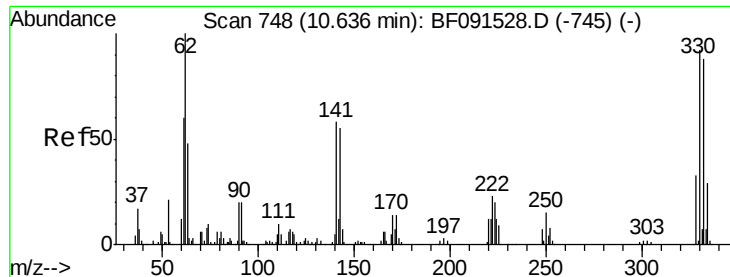


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

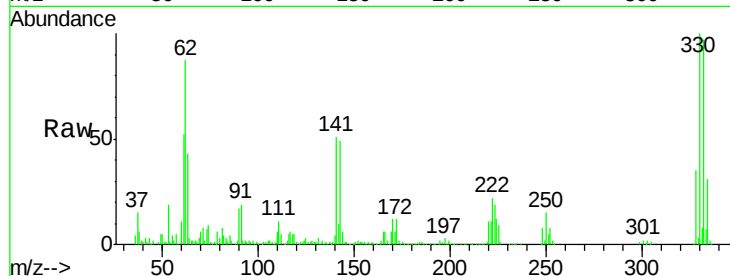




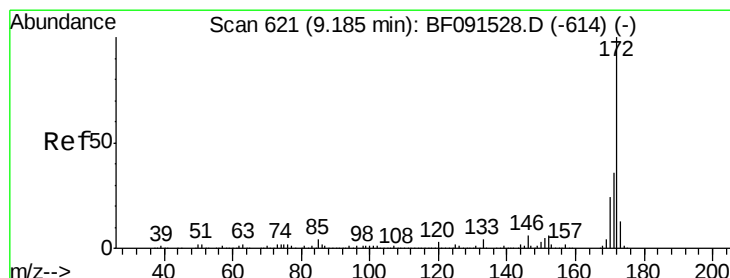
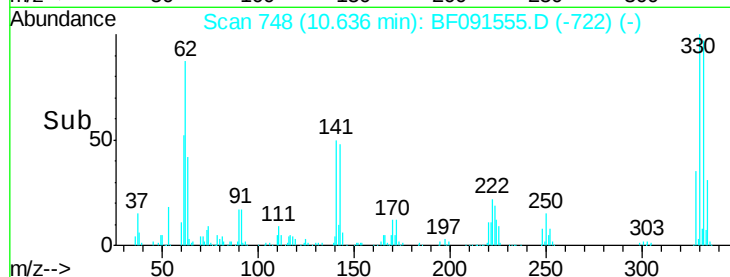
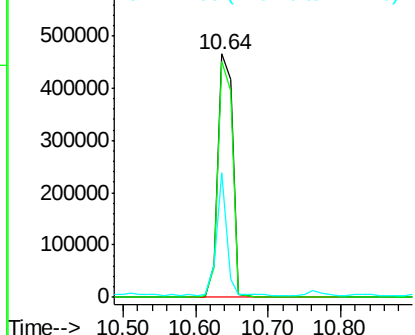
#41
 2,4,6-Tribromophenol
 Concen: 138.98 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.00 min
 Lab File: BF091555.D
 Acq: 13 Dec 2016 15:50

Instrument :
 BNA_F
 ClientSampleId :
 MW-2

Tgt Ion:330 Resp: 659339
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.2 114.4
 141 36.1 33.6 50.4

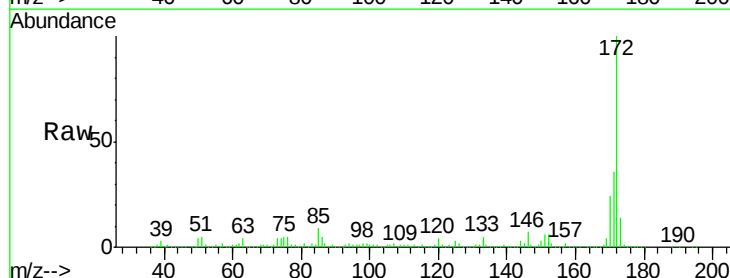


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

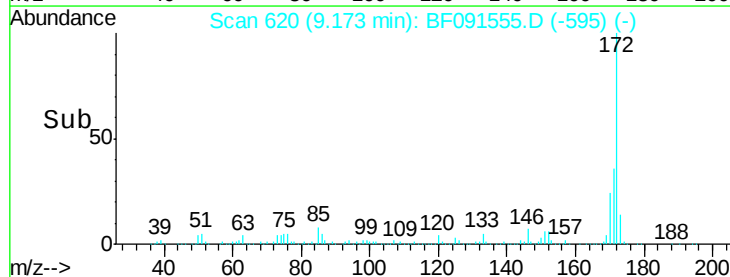
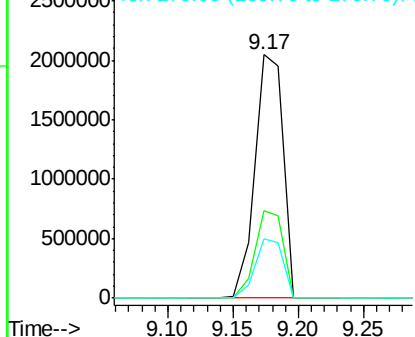


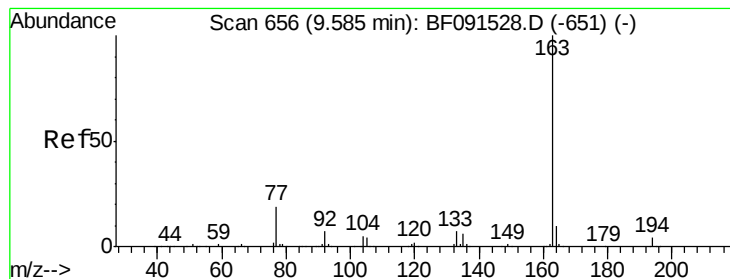
#44
 2-Fluorobiphenyl
 Concen: 93.25 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.01 min
 Lab File: BF091555.D
 Acq: 13 Dec 2016 15:50

Tgt Ion:172 Resp: 3082668
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.4 44.0
 170 24.3 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





#49

Dimethylphthalate

Concen: 6.96 ng

RT: 9.57 min Scan# 655

Delta R.T. -0.01 min

Lab File: BF091555.D

Acq: 13 Dec 2016 15:50

Instrument :

BNA_F

ClientSampleId :

MW-2

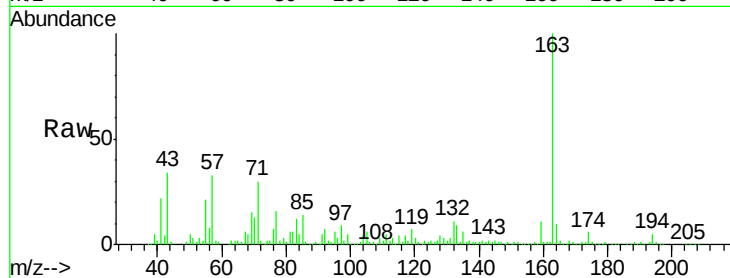
Tgt Ion:163 Resp: 251604

Ion Ratio Lower Upper

163 100

194 4.5 3.0 4.4#

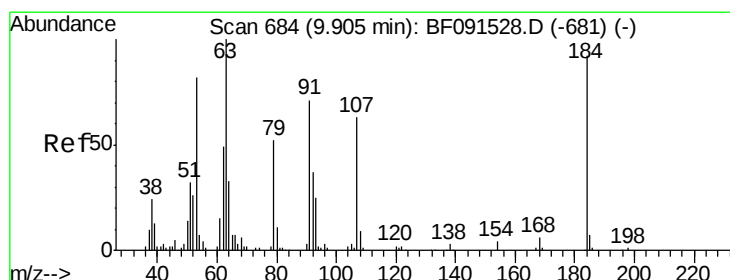
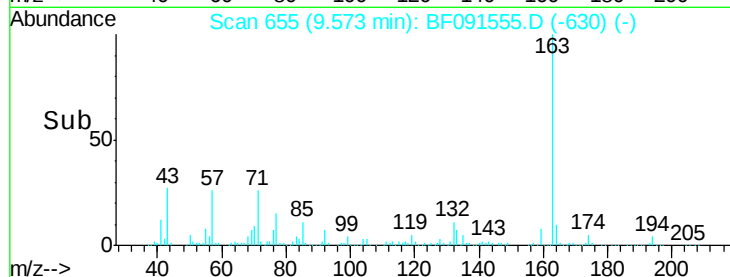
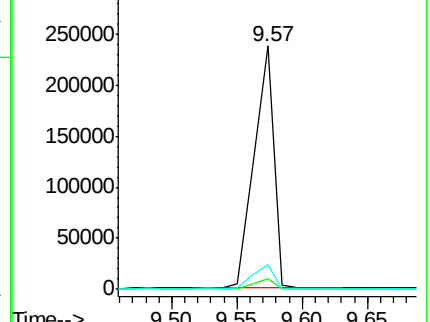
164 10.3 7.8 11.8



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



#53

2,4-Dinitrophenol

Concen: 2.08 ng

RT: 10.08 min Scan# 699

Delta R.T. 0.17 min

Lab File: BF091555.D

Acq: 13 Dec 2016 15:50

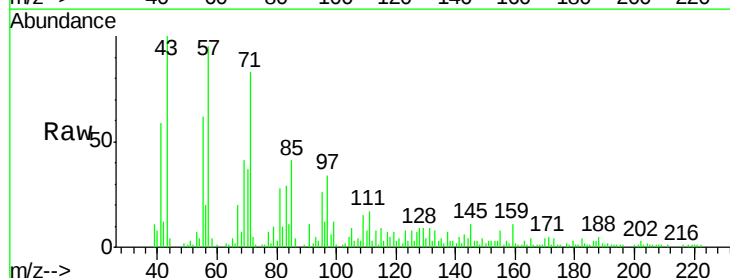
Tgt Ion:184 Resp: 294

Ion Ratio Lower Upper

184 100

63 246.6 58.3 87.5#

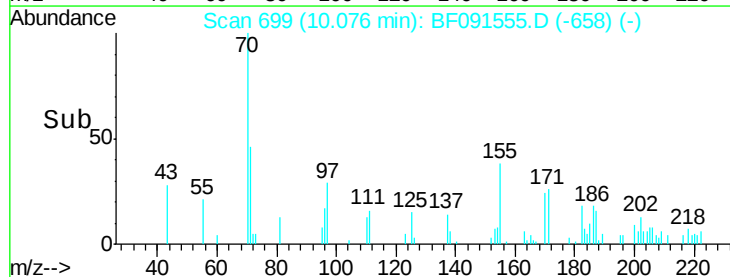
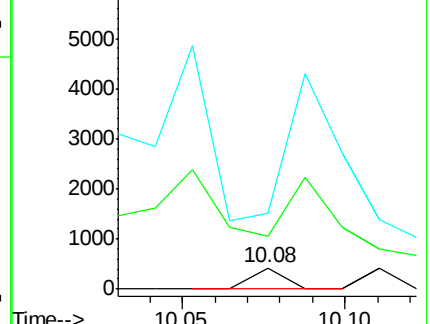
154 354.1 48.6 73.0#

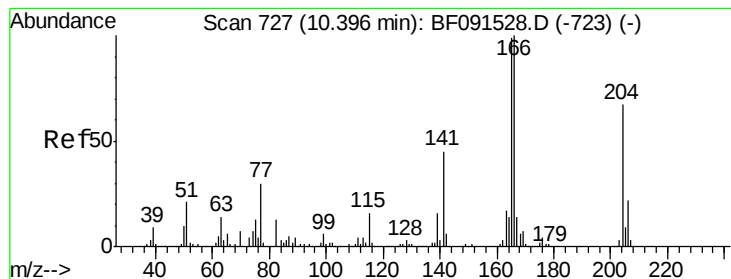


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#57

Fluorene

Concen: Below Cal

RT: 10.40 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF091555.D

Acq: 13 Dec 2016 15:50

Instrument :

BNA_F

ClientSampleId :

MW-2

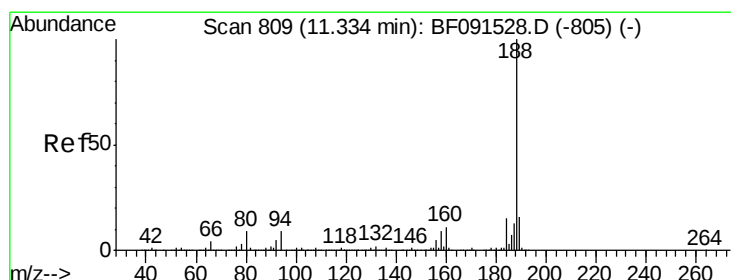
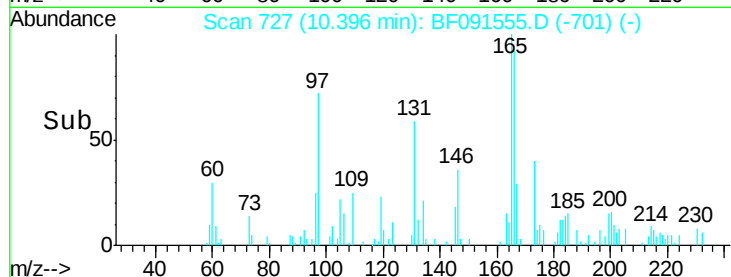
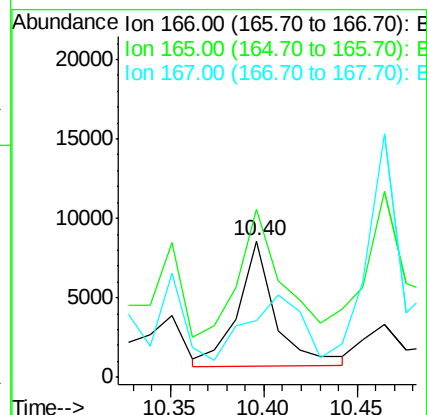
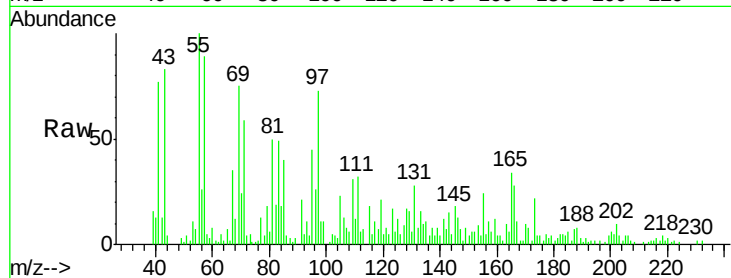
Tgt Ion:166 Resp: 11052

Ion Ratio Lower Upper

166 100

165 122.9 80.0 120.0#

167 41.6 10.8 16.2#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.33 min Scan# 809

Delta R.T. -0.00 min

Lab File: BF091555.D

Acq: 13 Dec 2016 15:50

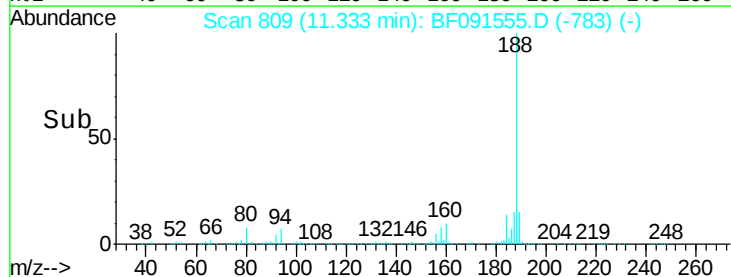
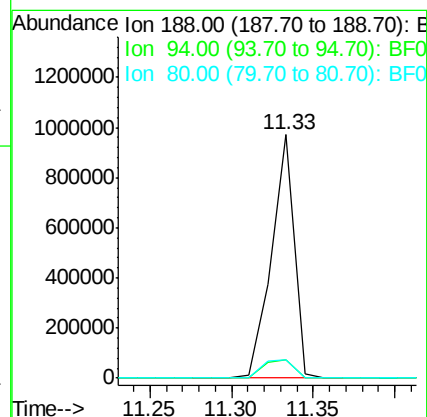
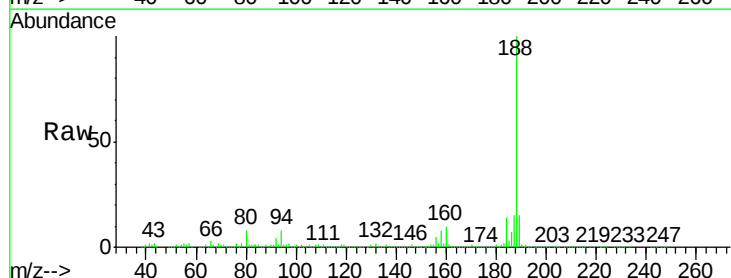
Tgt Ion:188 Resp: 945483

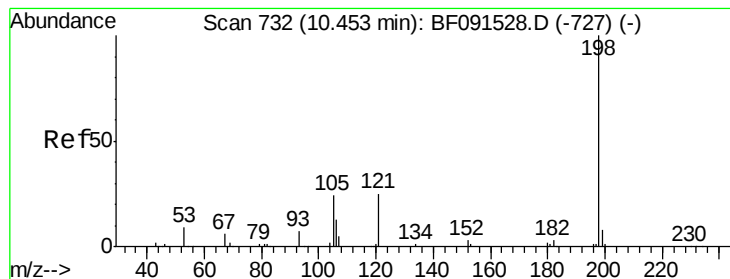
Ion Ratio Lower Upper

188 100

94 7.6 9.2 13.8#

80 7.8 10.5 15.7#





#64

4,6-Dinitro-2-methylphenol

Concen: 2.98 ng

RT: 10.40 min Scan# 727

Delta R.T. -0.06 min

Lab File: BF091555.D

Acq: 13 Dec 2016 15:50

Instrument :

BNA_F

ClientSampleId :

MW-2

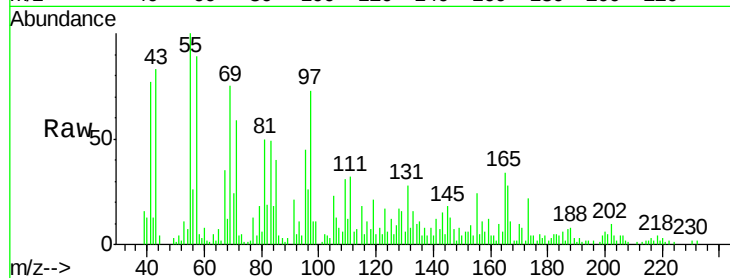
Tgt Ion:198 Resp: 232

Ion Ratio Lower Upper

198 100

51 407.4 77.1 117.1#

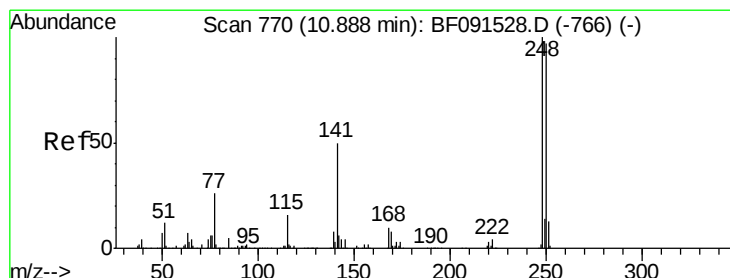
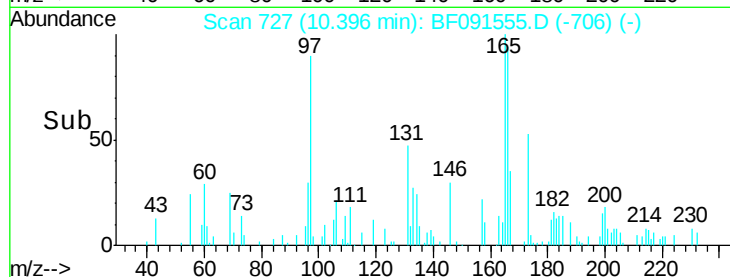
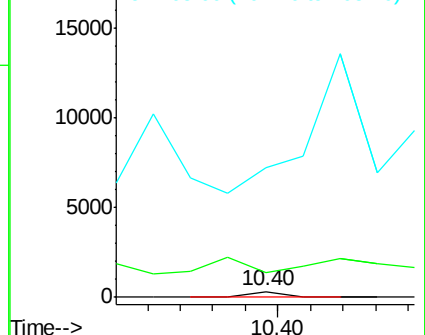
105 2133.7 44.8 84.8#



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: 4.01 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.25 min

Lab File: BF091555.D

Acq: 13 Dec 2016 15:50

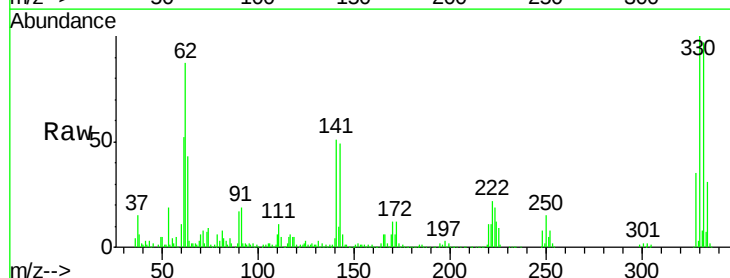
Tgt Ion:248 Resp: 38841

Ion Ratio Lower Upper

248 100

250 201.6 78.2 117.4#

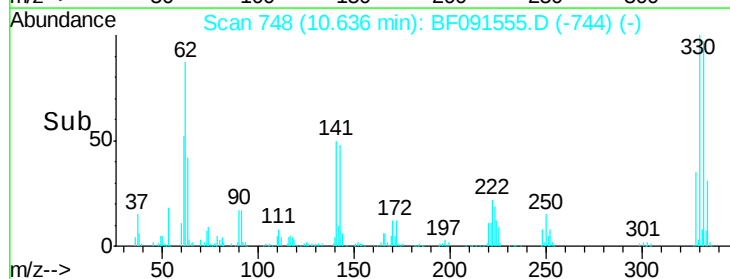
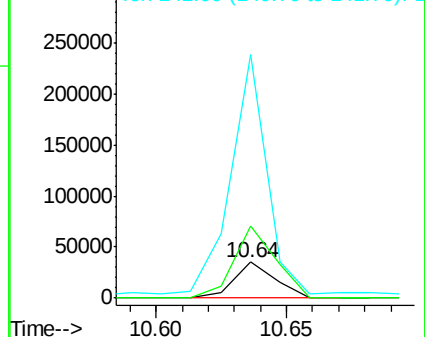
141 678.9 71.9 107.9#

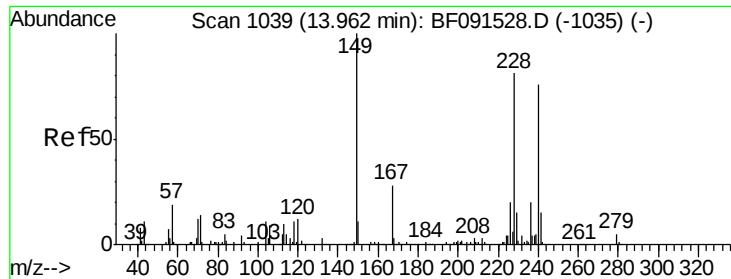


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.96 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BF091555.D

Acq: 13 Dec 2016 15:50

Instrument :

BNA_F

ClientSampleId :

MW-2

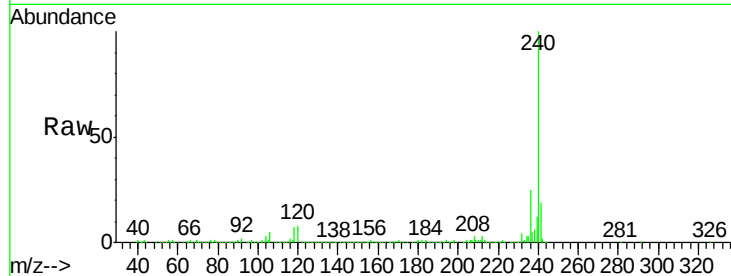
Tgt Ion:240 Resp: 691267

Ion Ratio Lower Upper

240 100

120 7.9 12.1 18.1#

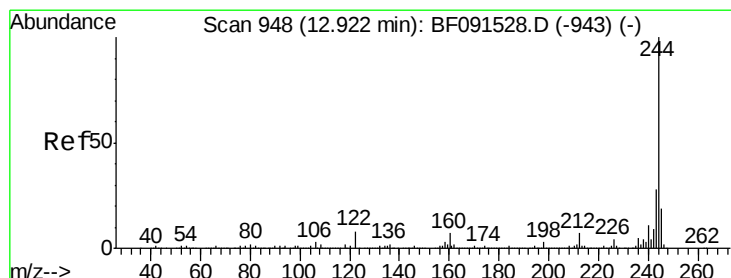
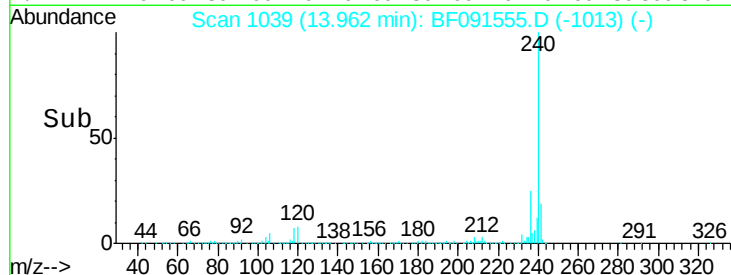
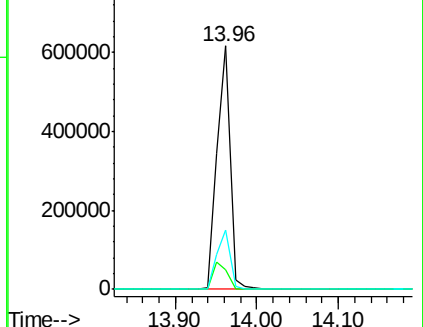
236 24.6 21.0 31.6



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: 83.28 ng

RT: 12.92 min Scan# 948

Delta R.T. -0.00 min

Lab File: BF091555.D

Acq: 13 Dec 2016 15:50

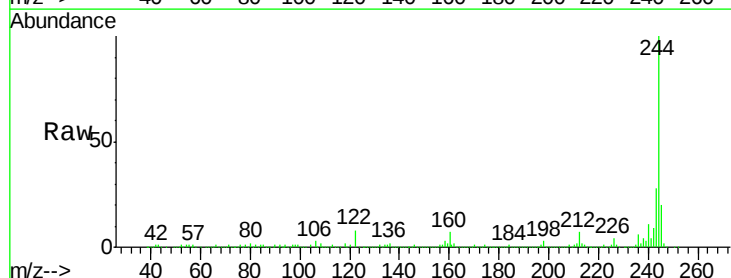
Tgt Ion:244 Resp: 2536854

Ion Ratio Lower Upper

244 100

212 7.3 6.5 9.7

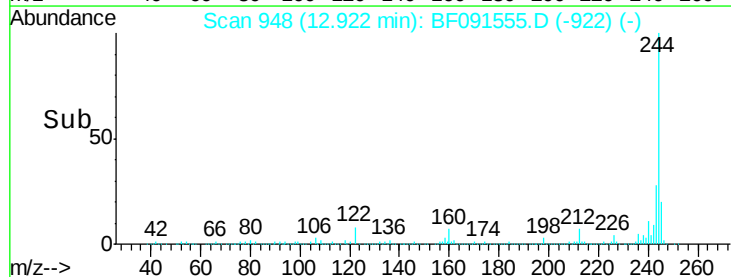
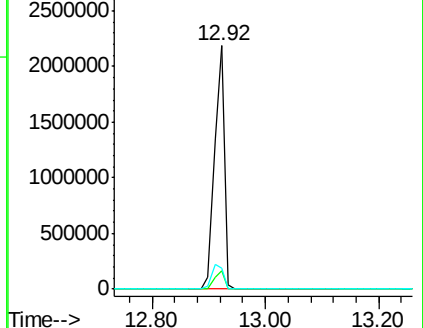
122 8.4 9.5 14.3#

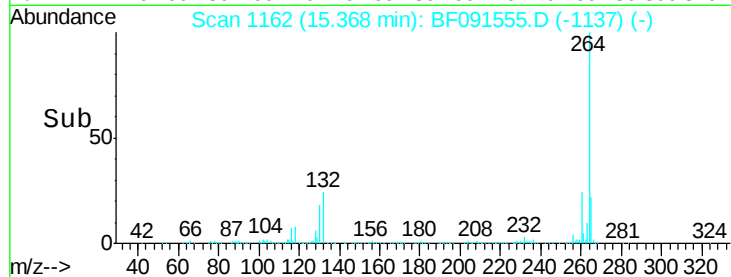
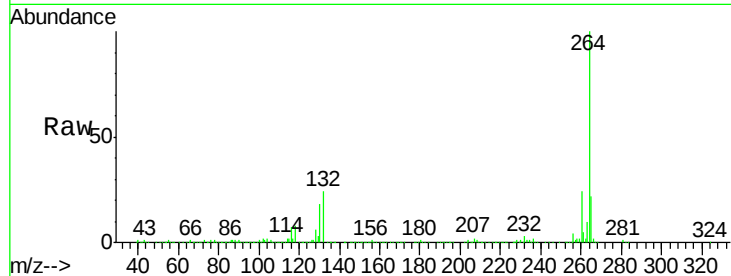
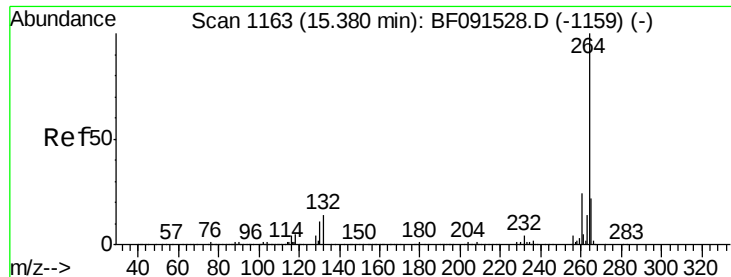


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.37 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BF091555.D
Acq: 13 Dec 2016 15:50

Instrument :
BNA_F
ClientSampleId :
MW-2

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.8	28.2
265	22.2	17.0	25.6

