

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
 Data File : BF091705.D
 Acq On : 17 Dec 2016 7:21
 Operator : UM/SJ
 Sample : H6091-01
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-09

Quant Time: Dec 17 22:27:37 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	152328	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	864198	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	421424	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	536887	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	310485	20.00	ng	-0.01
86) Perylene-d12	15.33	264	384273	20.00	ng	-0.01

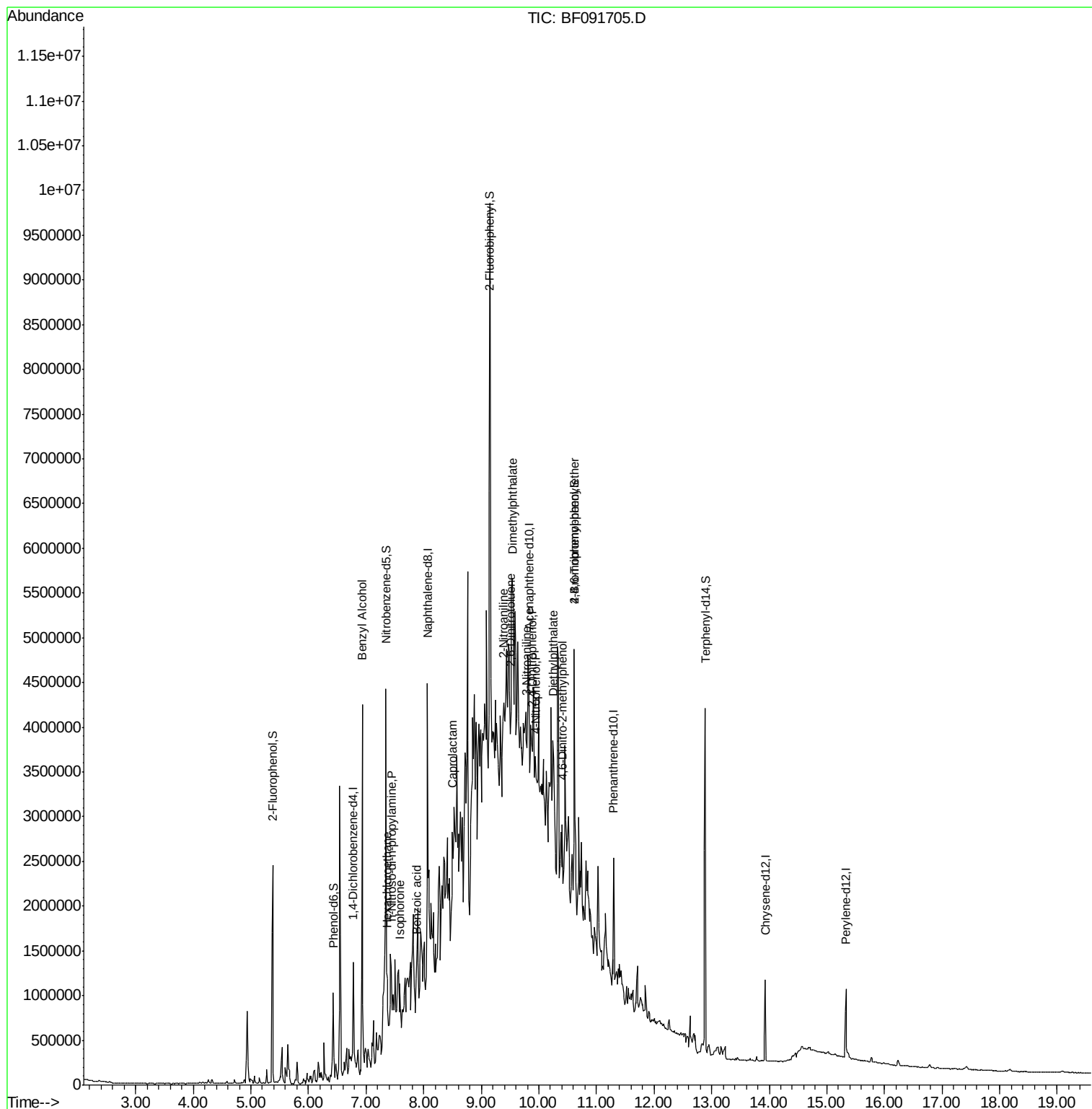
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	865606	95.74	ng	0.00
7) Phenol-d6	6.43	99	437486	38.81	ng	0.00
23) Nitrobenzene-d5	7.34	82	1506890	97.32	ng	-0.01
41) 2,4,6-Tribromophenol	10.61	330	377242	107.77	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	2245751	92.08	ng	0.00
78) Terphenyl-d14	12.89	244	1447558	105.79	ng	-0.01

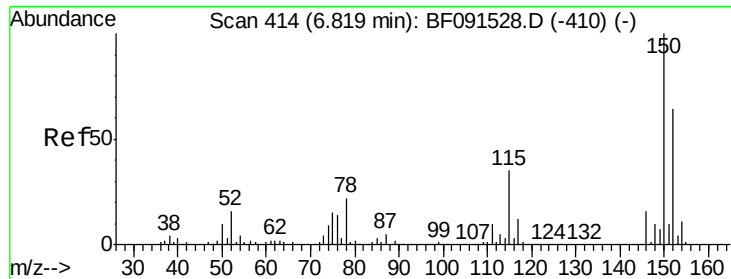
Target Compounds						Qvalue
15) Benzyl Alcohol	6.93	79	23471	2.64	ng	# 45
18) Hexachloroethane	7.36	117	155354	36.47	ng	# 40
19) n-Nitroso-di-n-propylamine	7.44	70	47713	6.77	ng	99
20) 3+4-Methylphenols	7.18	107	2871	Below Cal	#	1
25) Isophorone	7.58	82	60714	2.21	ng	# 1
32) Benzoic acid	7.87	122	20659	6.94	ng	# 56
35) Caprolactam	8.50	113	38372	11.91	ng	# 1
47) 2-Nitroaniline	9.39	65	19111	2.40	ng	# 34
49) Dimethylphthalate	9.55	163	74534	2.79	ng	# 78
50) 2,6-Dinitrotoluene	9.52	165	16206	2.77	ng	89
52) 3-Nitroaniline	9.78	138	66264	9.63	ng	# 11
53) 2,4-Dinitrophenol	9.88	184	405	2.17	ng	# 1
55) 4-Nitrophenol	9.95	139	40195	7.85	ng	# 1
57) Fluorene	10.36	166	12369	Below Cal	#	58
59) Diethylphthalate	10.25	149	68280	2.66	ng	# 43
64) 4,6-Dinitro-2-methylphenol	10.41	198	3148	3.85	ng	# 1
66) 4-Bromophenyl-phenylether	10.61	248	24306	4.42	ng	# 1

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

```
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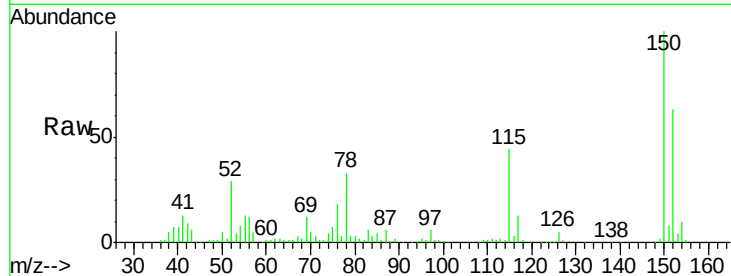




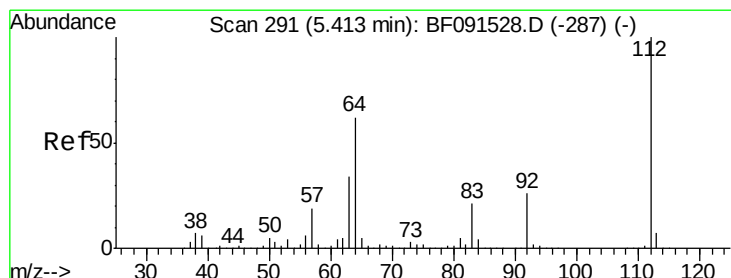
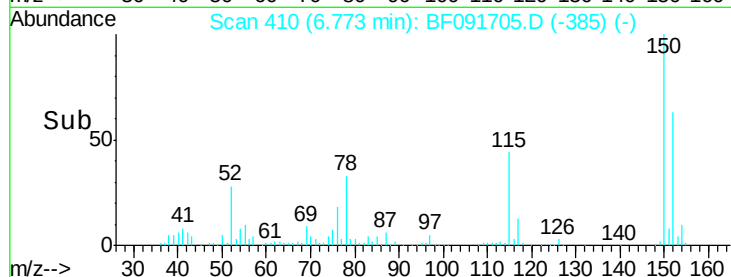
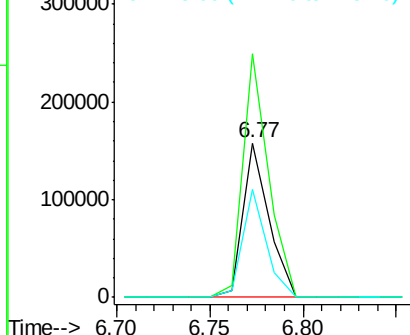
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.77 min Scan# 410
 Delta R.T. -0.01 min
 Lab File: BF091705.D
 Acq: 17 Dec 2016 7:21

Instrument :
 BNA_F
 ClientSampleId :
 MW-09

Tgt Ion:152 Resp: 152328
 Ion Ratio Lower Upper
 152 100
 150 158.1 122.5 183.7
 115 70.3 51.8 77.8

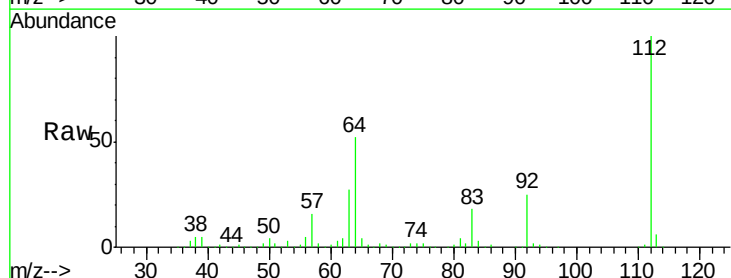


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

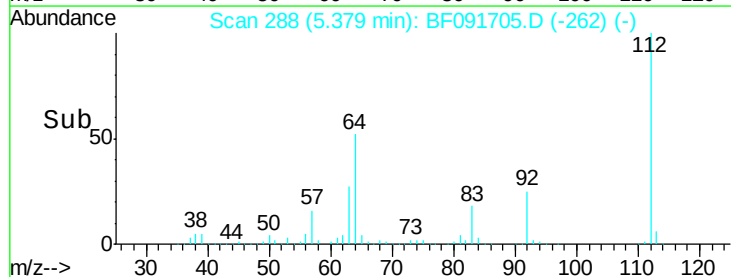
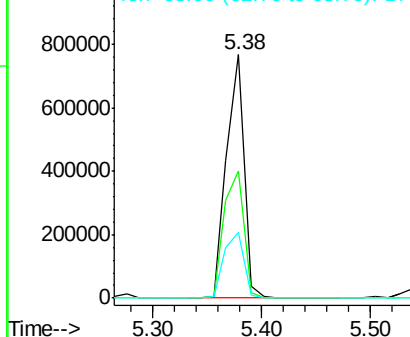


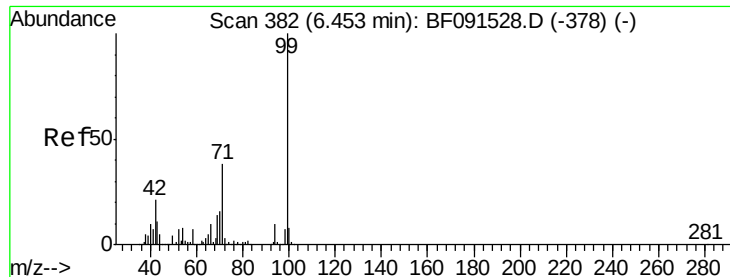
#5
 2-Fluorophenol
 Concen: 95.74 ng
 RT: 5.38 min Scan# 288
 Delta R.T. -0.00 min
 Lab File: BF091705.D
 Acq: 17 Dec 2016 7:21

Tgt Ion:112 Resp: 865606
 Ion Ratio Lower Upper
 112 100
 64 52.5 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: 38.81 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.00 min

Lab File: BF091705.D

Acq: 17 Dec 2016 7:21

Instrument :

BNA_F

ClientSampleId :

MW-09

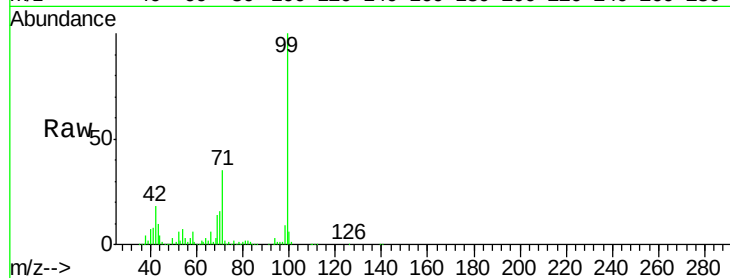
Tgt Ion: 99 Resp: 437486

Ion Ratio Lower Upper

99 100

42 18.0 20.6 31.0#

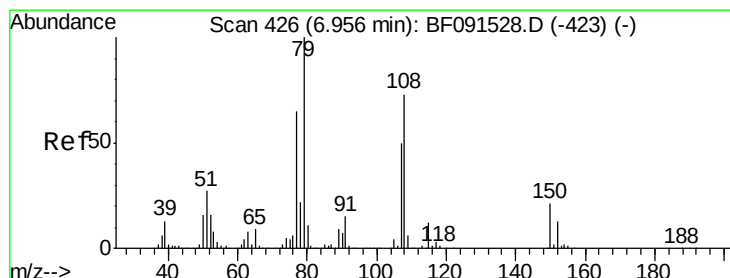
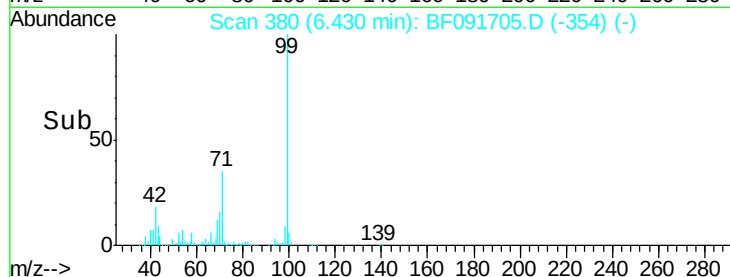
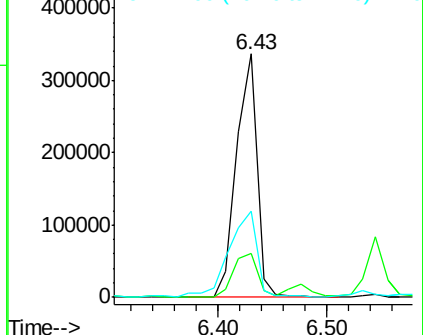
71 35.2 29.9 44.9



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: 2.64 ng

RT: 6.93 min Scan# 424

Delta R.T. -0.00 min

Lab File: BF091705.D

Acq: 17 Dec 2016 7:21

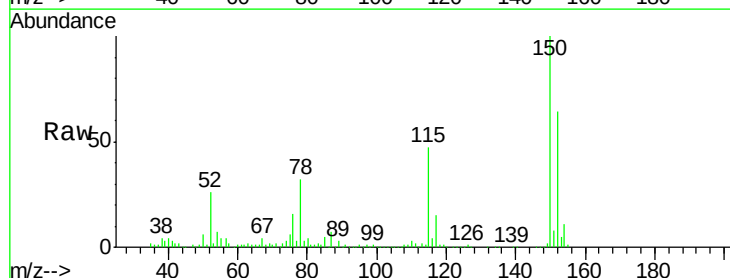
Tgt Ion: 79 Resp: 23471

Ion Ratio Lower Upper

79 100

108 27.9 62.7 94.1#

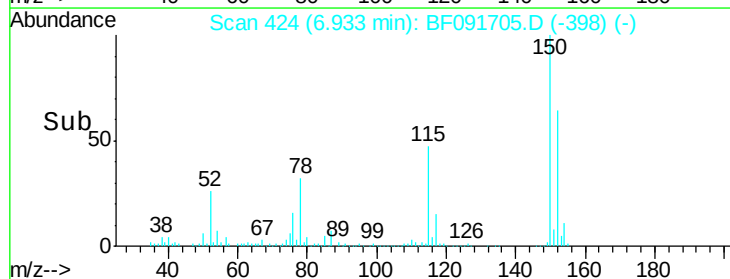
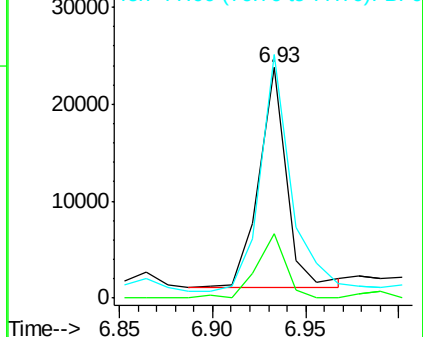
77 105.7 51.7 77.5#

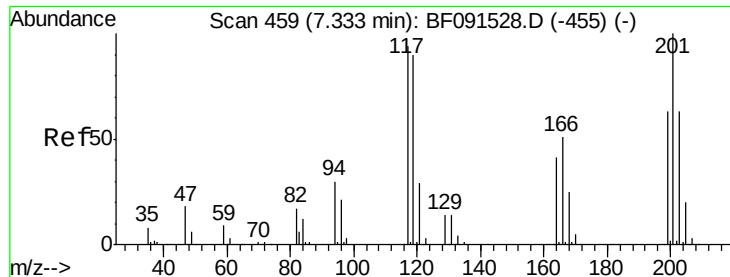


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

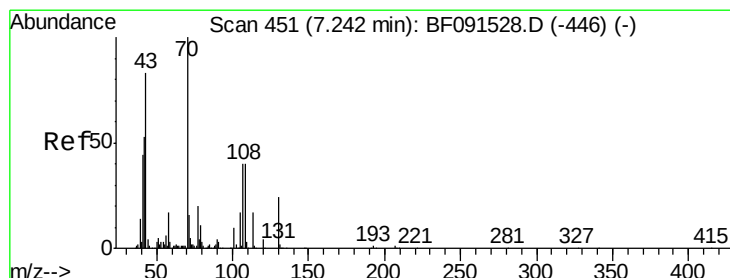
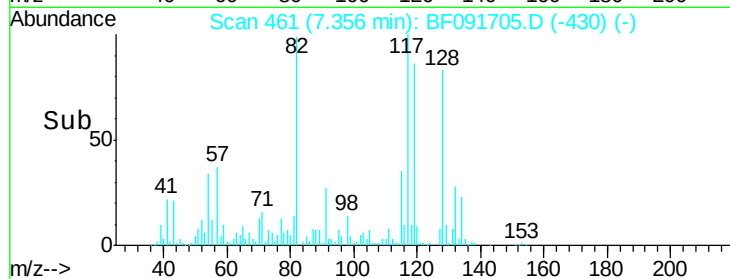
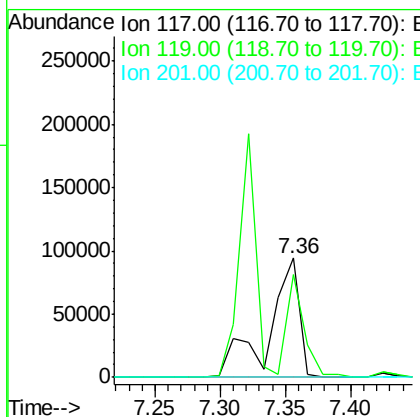
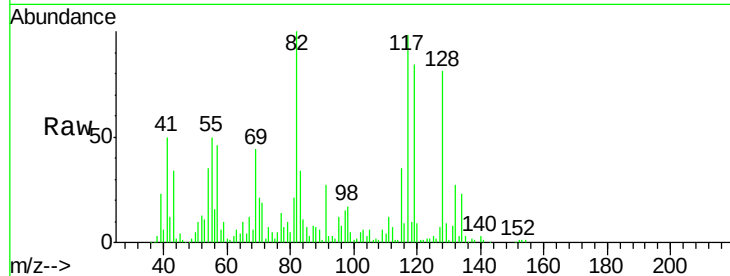




#18
Hexachloroethane
Concen: 36.47 ng
RT: 7.36 min Scan# 461
Delta R.T. 0.06 min
Lab File: BF091705.D
Acq: 17 Dec 2016 7:21

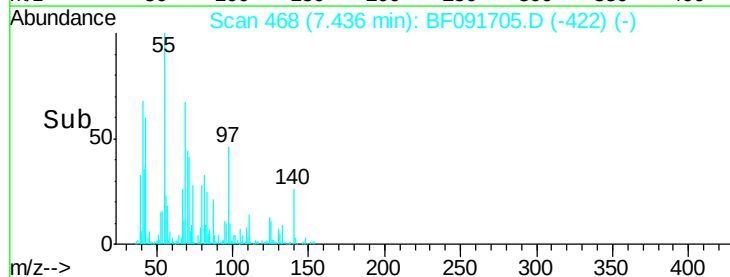
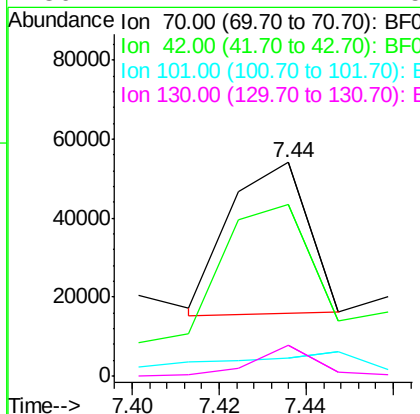
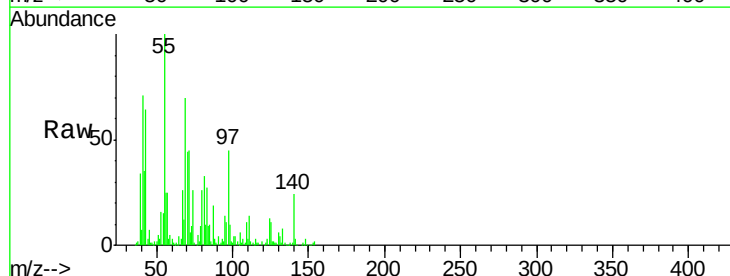
Instrument :
BNA_F
ClientSampleId :
MW-09

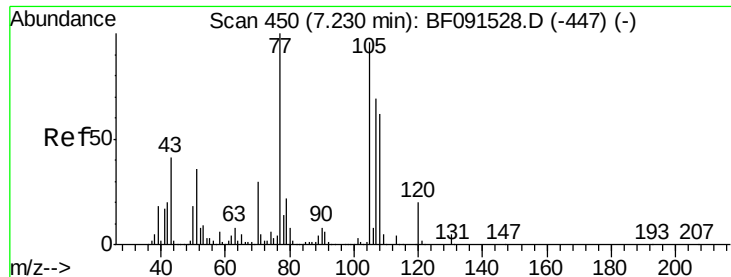
Tgt Ion:117 Resp: 155354
Ion Ratio Lower Upper
117 100
119 85.7 78.6 118.0
201 0.0 86.7 130.1#



#19
n-Nitroso-di-n-propylamine
Concen: 6.77 ng
RT: 7.44 min Scan# 468
Delta R.T. 0.23 min
Lab File: BF091705.D
Acq: 17 Dec 2016 7:21

Tgt Ion: 70 Resp: 47713
Ion Ratio Lower Upper
70 100
42 80.3 64.8 97.2
101 8.3 6.2 9.4
130 14.1 11.7 17.5

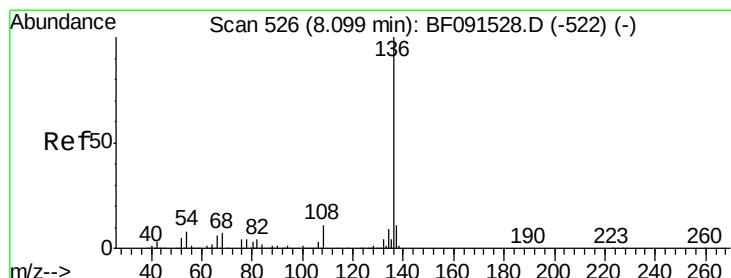
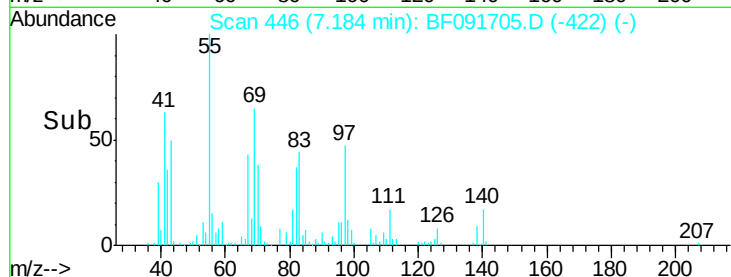
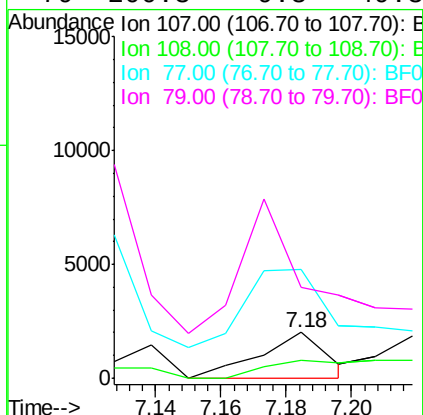
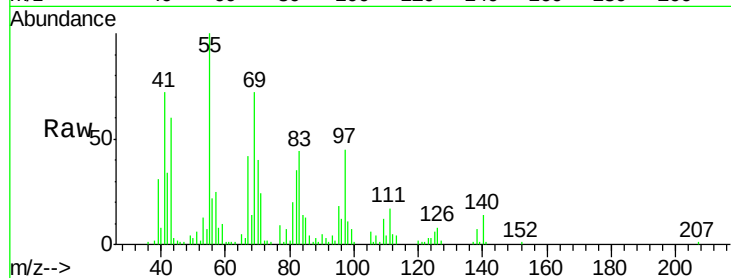




#20
3+4-Methylphenols
Concen: Below Cal
RT: 7.18 min Scan# 446
Delta R.T. -0.02 min
Lab File: BF091705.D
Acq: 17 Dec 2016 7:21

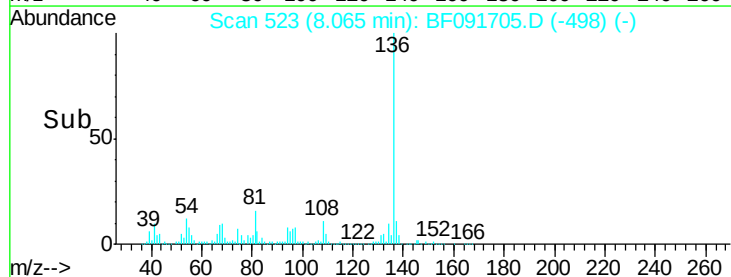
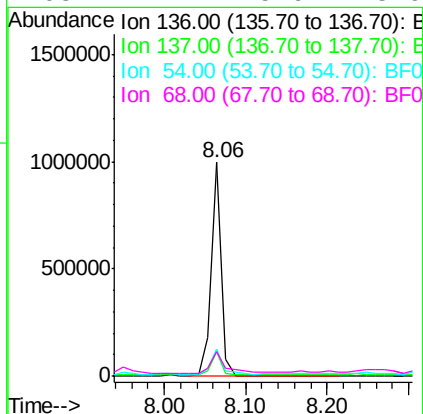
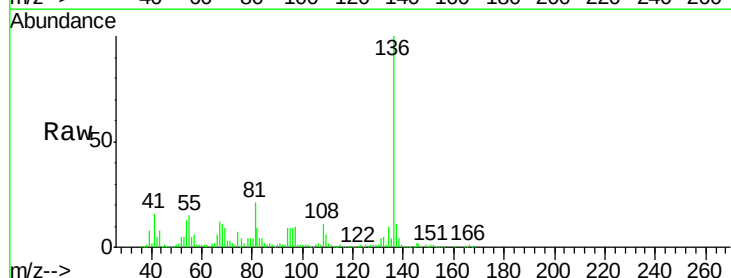
Instrument :
BNA_F
ClientSampleId :
MW-09

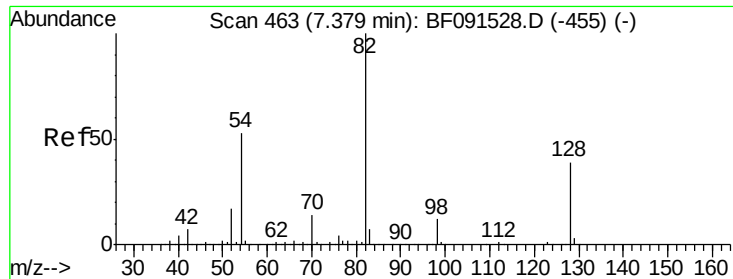
Tgt Ion:	107	Resp:	2871
Ion	Ratio	Lower	Upper
107	100		
108	40.1	64.6	104.6#
77	240.3	30.9	70.9#
79	200.3	9.3	49.3#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 523
Delta R.T. -0.01 min
Lab File: BF091705.D
Acq: 17 Dec 2016 7:21

Tgt Ion:	136	Resp:	864198
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	12.6	9.1	13.7
68	11.1	5.9	8.9#





#23

Nitrobenzene-d5

Concen: 97.32 ng

RT: 7.34 min Scan# 460

Delta R.T. -0.01 min

Lab File: BF091705.D

Acq: 17 Dec 2016 7:21

Instrument :

BNA_F

ClientSampled :

MW-09

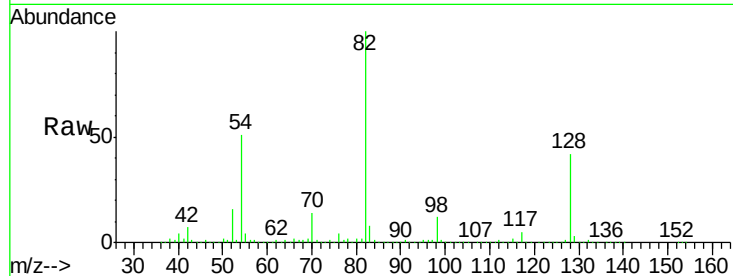
Tgt Ion: 82 Resp: 1506890

Ion Ratio Lower Upper

82 100

128 41.8 31.8 47.6

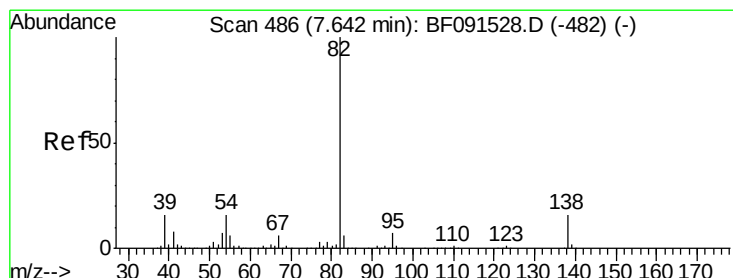
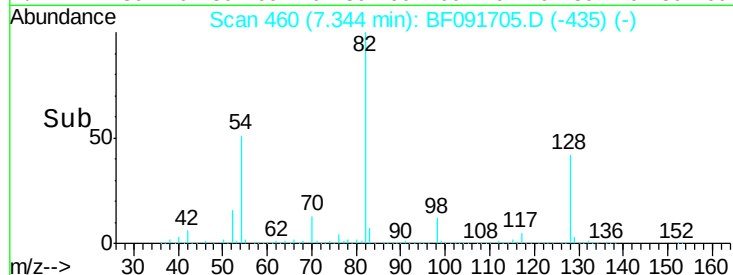
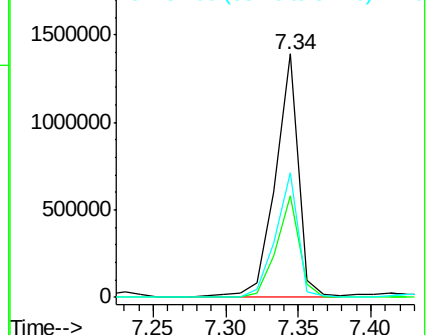
54 51.0 49.1 73.7



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: 2.21 ng

RT: 7.58 min Scan# 481

Delta R.T. -0.03 min

Lab File: BF091705.D

Acq: 17 Dec 2016 7:21

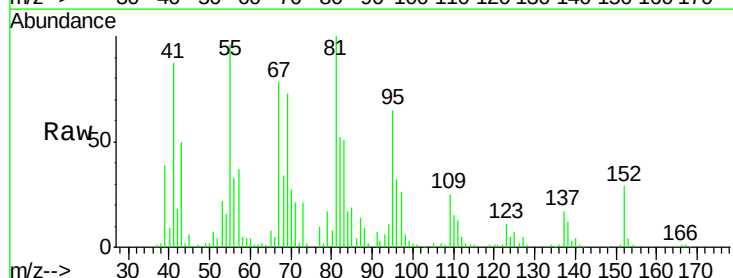
Tgt Ion: 82 Resp: 60714

Ion Ratio Lower Upper

82 100

95 125.2 5.7 8.5#

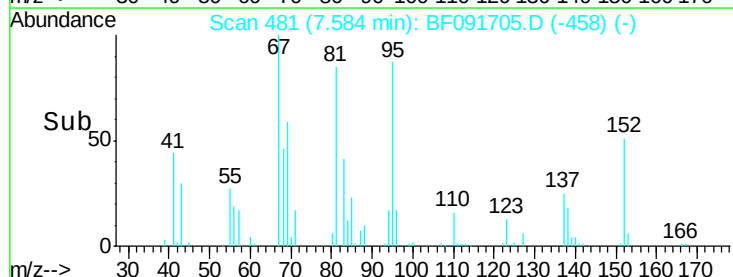
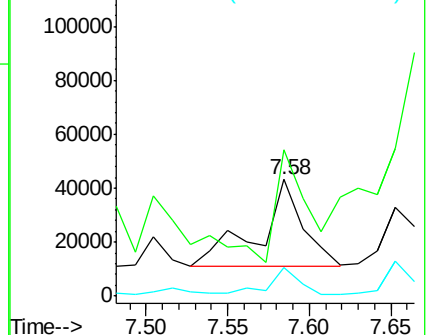
138 24.0 13.4 20.0#

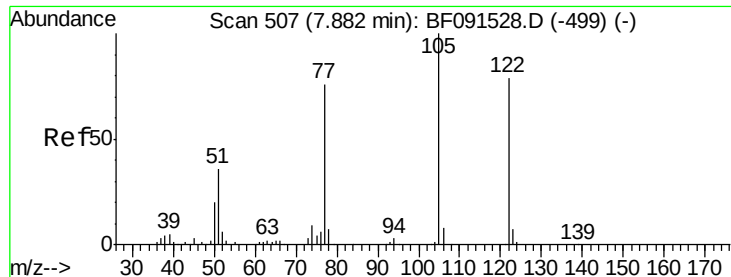


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

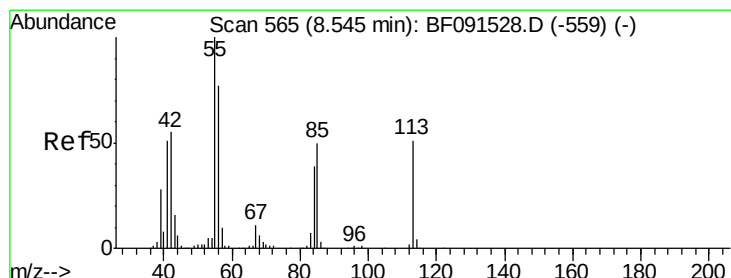
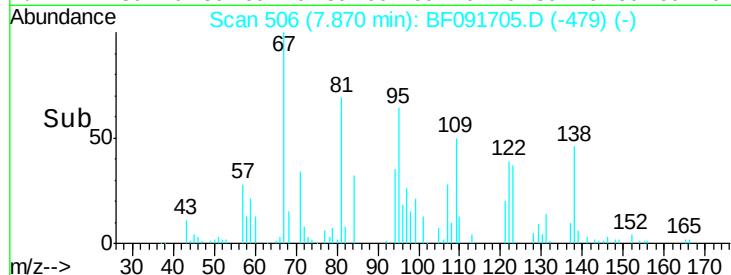
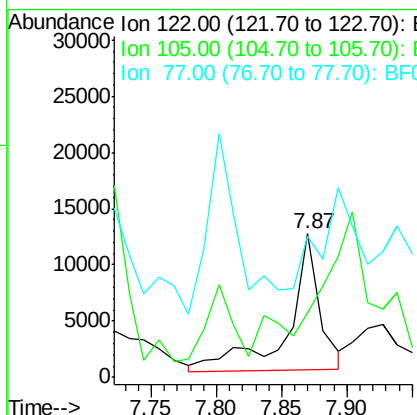
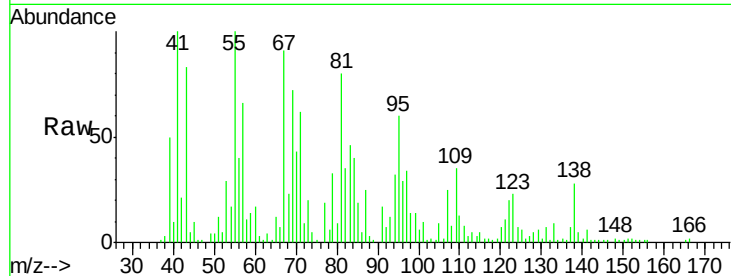




#32
Benzoic acid
Concen: 6.94 ng
RT: 7.87 min Scan# 506
Delta R.T. 0.01 min
Lab File: BF091705.D
Acq: 17 Dec 2016 7:21

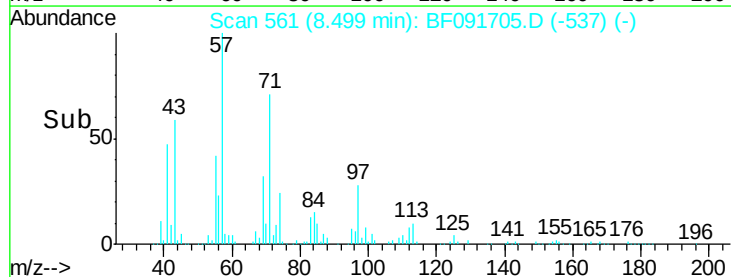
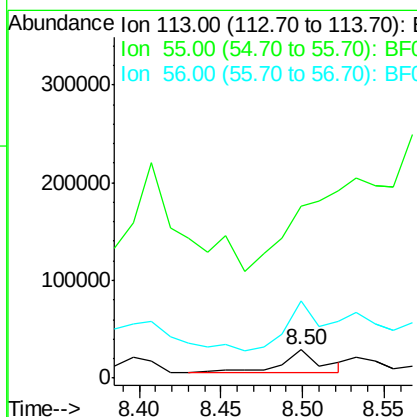
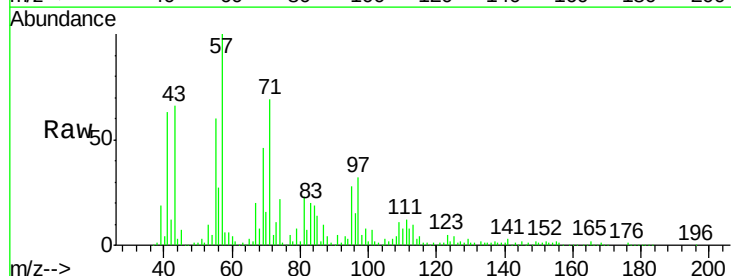
Instrument :
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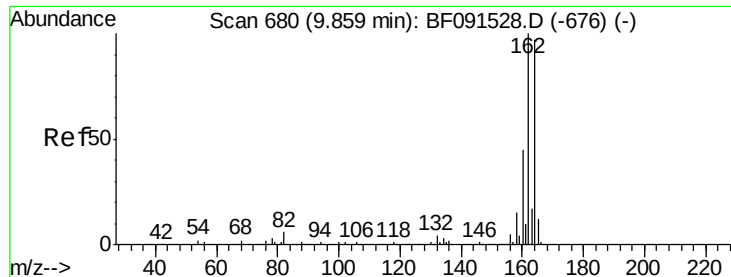
Tgt Ion:122 Resp: 20659
Ion Ratio Lower Upper
122 100
105 44.5 113.0 153.0#
77 98.8 82.0 122.0



#35
Caprolactam
Concen: 11.91 ng
RT: 8.50 min Scan# 561
Delta R.T. -0.02 min
Lab File: BF091705.D
Acq: 17 Dec 2016 7:21

Tgt Ion:113 Resp: 38372
Ion Ratio Lower Upper
113 100
55 612.9 239.8 279.8#
56 277.0 165.6 205.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.00 min

Lab File: BF091705.D

Acq: 17 Dec 2016 7:21

Instrument :

BNA_F

ClientSampleId :

MW-09

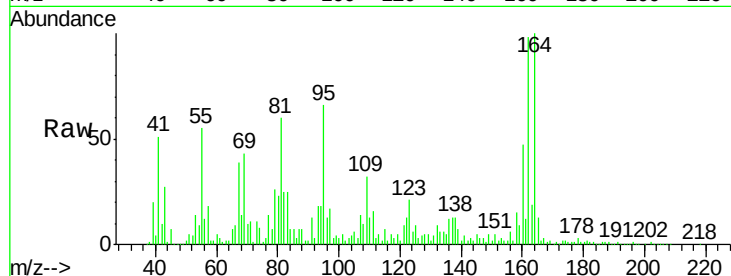
Tgt Ion:164 Resp: 421424

Ion Ratio Lower Upper

164 100

162 98.4 82.6 124.0

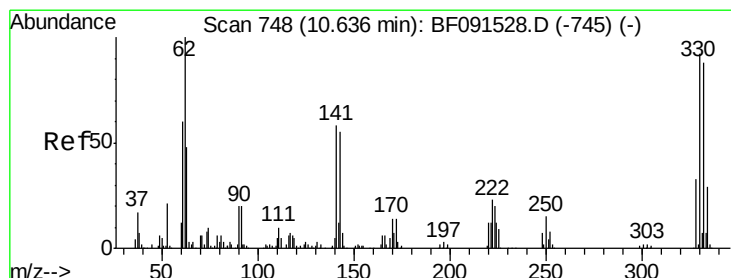
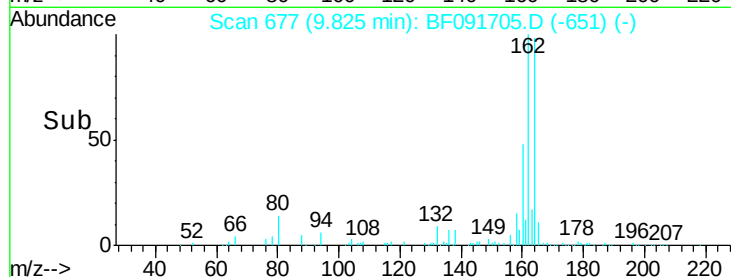
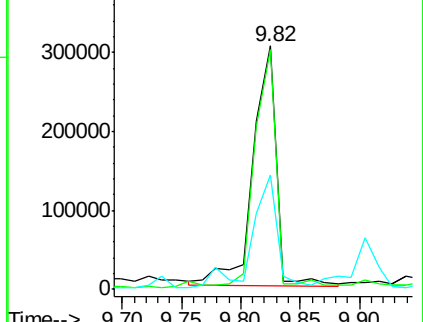
160 46.8 36.7 55.1



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: 107.77 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.00 min

Lab File: BF091705.D

Acq: 17 Dec 2016 7:21

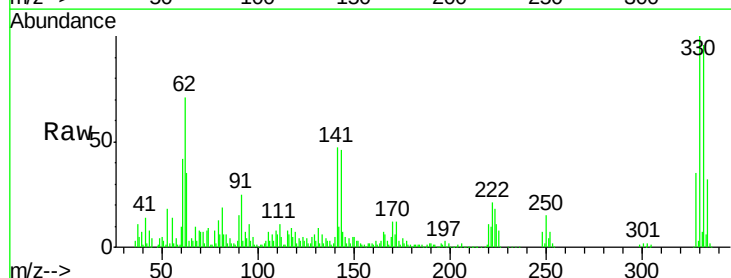
Tgt Ion:330 Resp: 377242

Ion Ratio Lower Upper

330 100

332 96.5 76.2 114.4

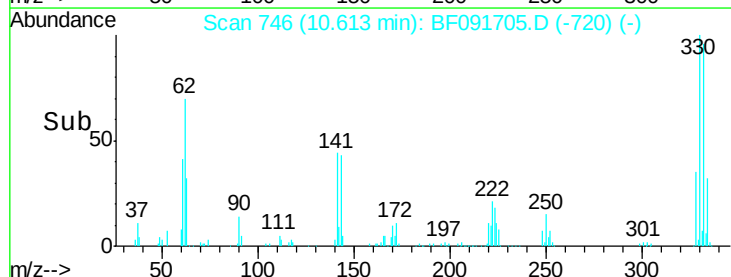
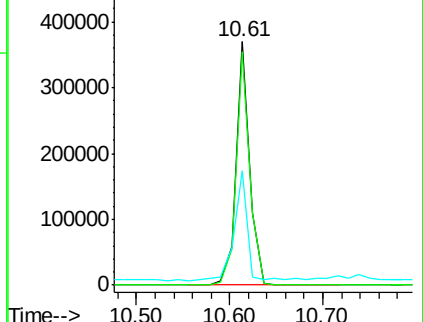
141 43.5 33.6 50.4

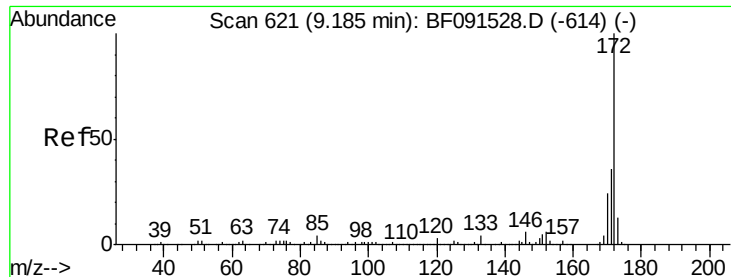


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 92.08 ng

RT: 9.15 min Scan# 618

Delta R.T. -0.00 min

Lab File: BF091705.D

Acq: 17 Dec 2016 7:21

Instrument :

BNA_F

ClientSampleId :

MW-09

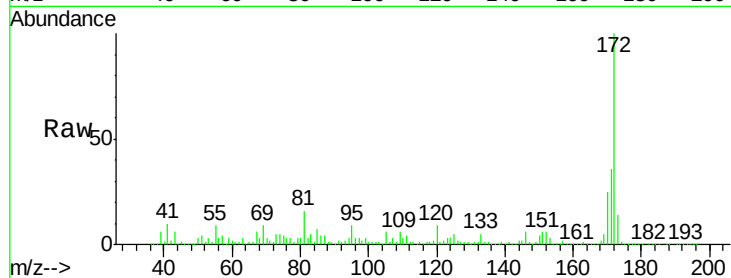
Tgt Ion:172 Resp: 2245751

Ion Ratio Lower Upper

172 100

171 36.5 29.4 44.0

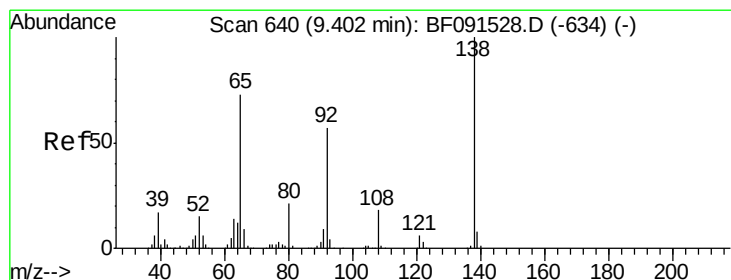
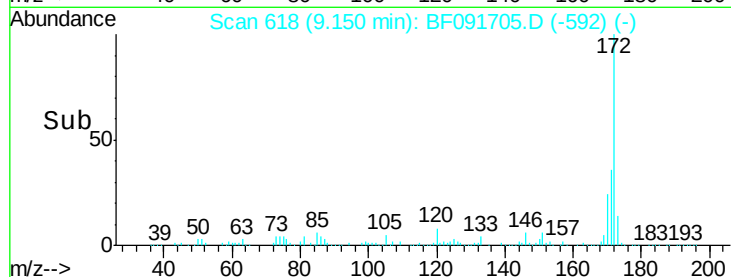
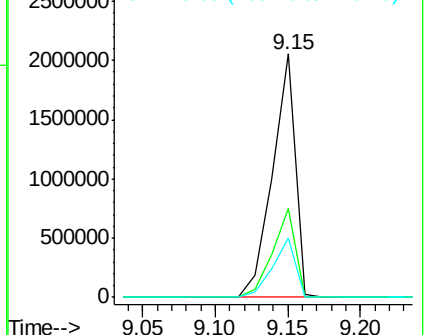
170 24.5 19.7 29.5



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



#47

2-Nitroaniline

Concen: 2.40 ng

RT: 9.39 min Scan# 639

Delta R.T. 0.02 min

Lab File: BF091705.D

Acq: 17 Dec 2016 7:21

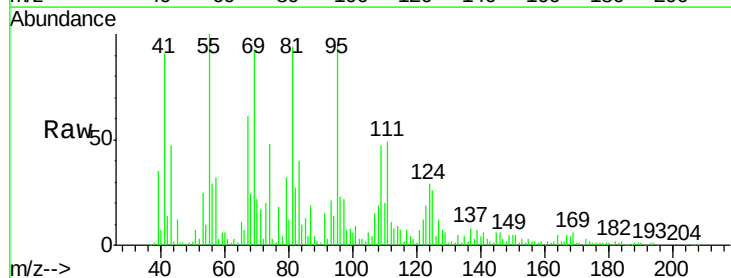
Tgt Ion: 65 Resp: 19111

Ion Ratio Lower Upper

65 100

92 28.3 53.6 80.4#

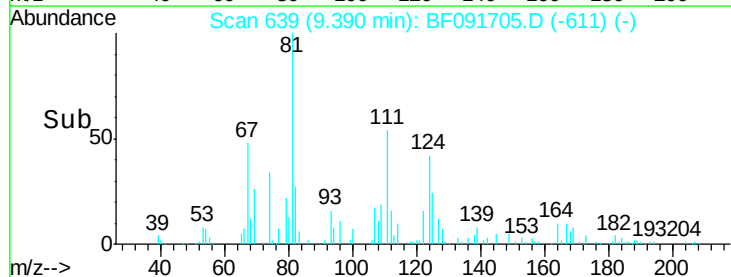
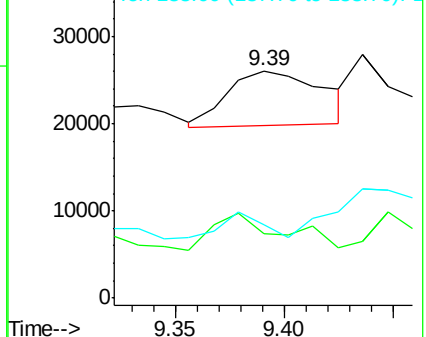
138 32.3 91.0 136.6#

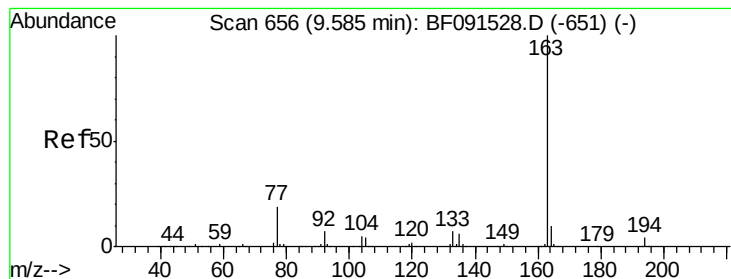


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E





#49

Dimethylphthalate

Concen: 2.79 ng

RT: 9.55 min Scan# 653

Delta R.T. -0.01 min

Lab File: BF091705.D

Acq: 17 Dec 2016 7:21

Instrument :

BNA_F

ClientSampleId :

MW-09

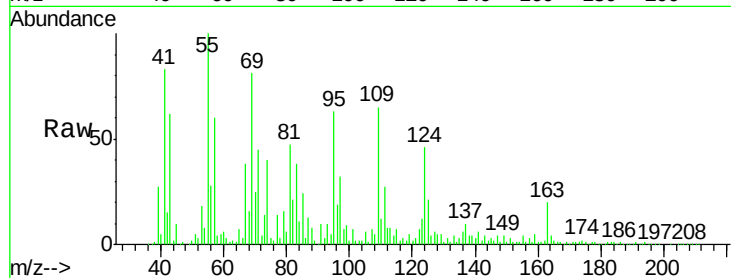
Tgt Ion:163 Resp: 74534

Ion Ratio Lower Upper

163 100

194 4.2 3.0 4.4

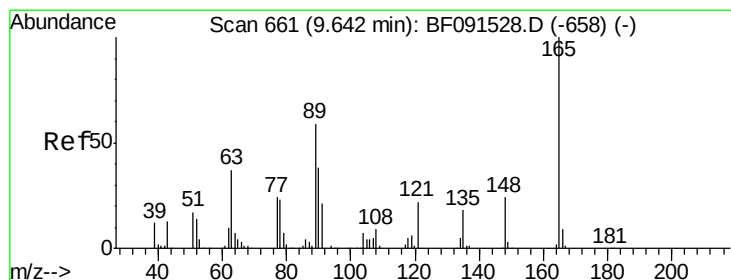
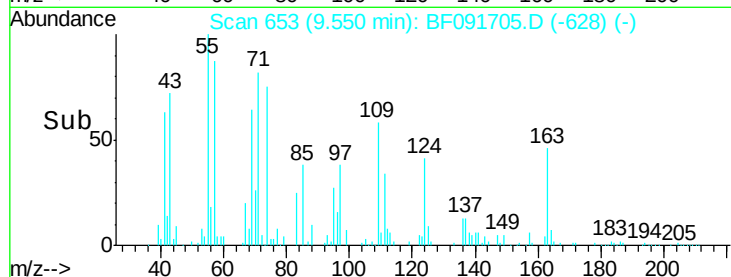
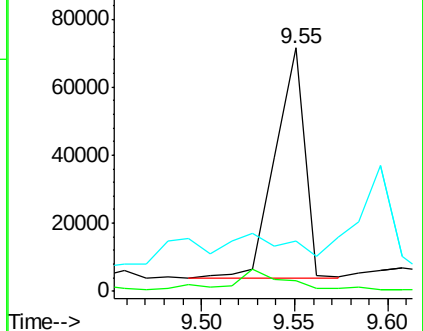
164 20.8 7.8 11.8#



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



#50

2,6-Dinitrotoluene

Concen: 2.77 ng

RT: 9.52 min Scan# 650

Delta R.T. -0.10 min

Lab File: BF091705.D

Acq: 17 Dec 2016 7:21

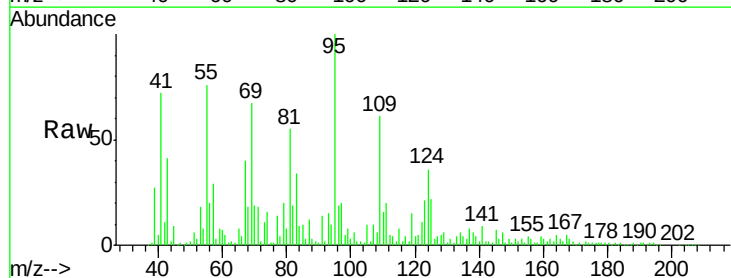
Tgt Ion:165 Resp: 16206

Ion Ratio Lower Upper

165 100

63 83.2 59.4 89.0

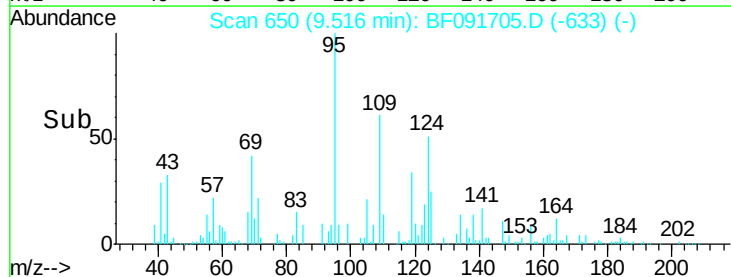
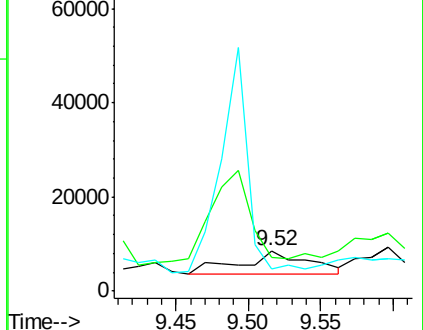
89 54.5 50.8 76.2

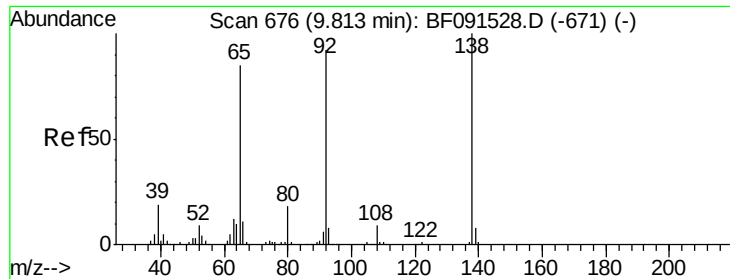


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#52

3-Nitroaniline

Concen: 9.63 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.01 min

Lab File: BF091705.D

Acq: 17 Dec 2016 7:21

Instrument :

BNA_F

ClientSampleId :

MW-09

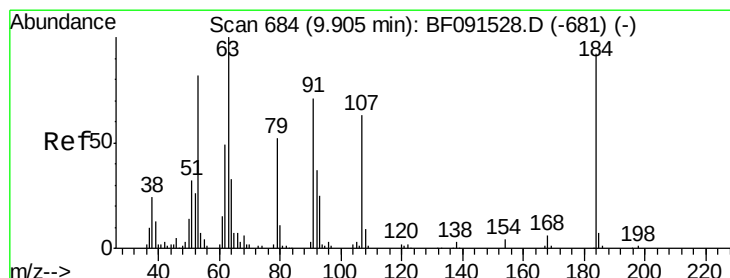
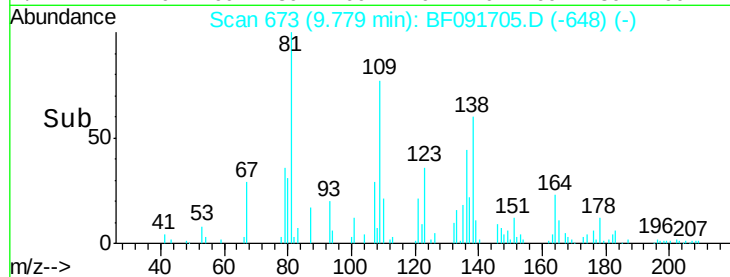
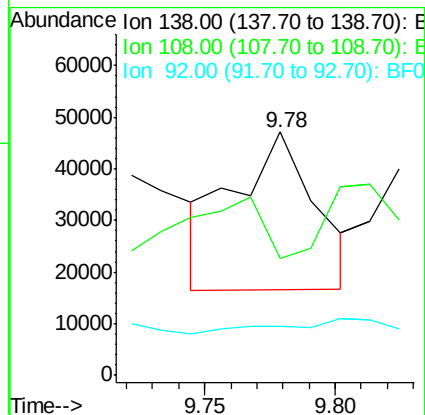
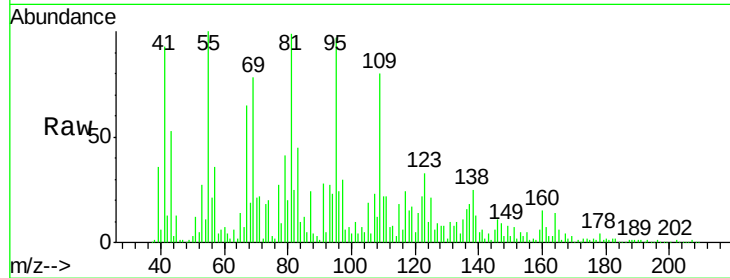
Tgt Ion:138 Resp: 66264

Ion Ratio Lower Upper

138 100

108 48.2 8.1 12.1#

92 20.1 92.5 138.7#



#53

2,4-Dinitrophenol

Concen: 2.17 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF091705.D

Acq: 17 Dec 2016 7:21

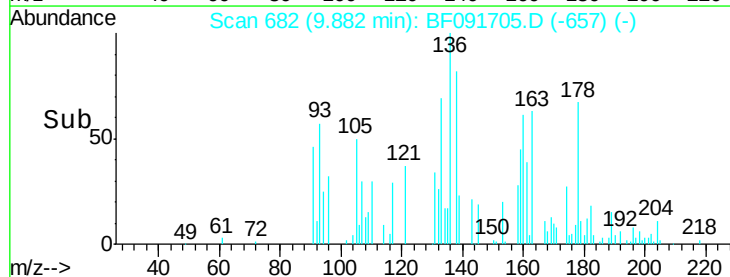
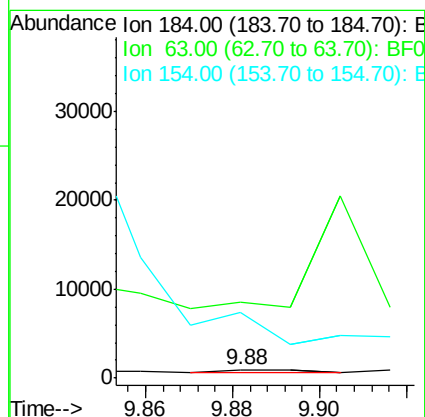
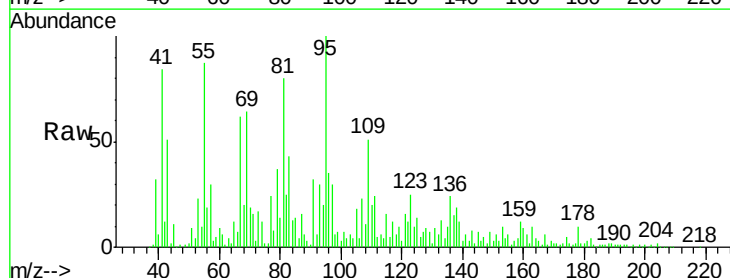
Tgt Ion:184 Resp: 405

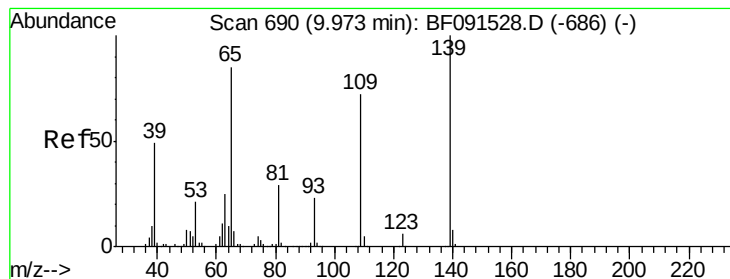
Ion Ratio Lower Upper

184 100

63 935.1 58.3 87.5#

154 801.4 48.6 73.0#





#55

4-Nitrophenol

Concen: 7.85 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.00 min

Lab File: BF091705.D

Acq: 17 Dec 2016 7:21

Instrument :

BNA_F

ClientSampleId :

MW-09

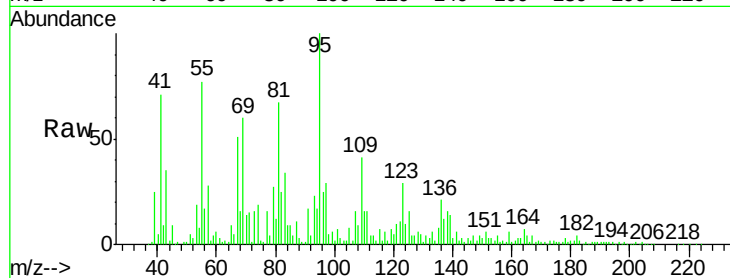
Tgt Ion:139 Resp: 40195

Ion Ratio Lower Upper

139 100

109 290.9 54.9 94.9#

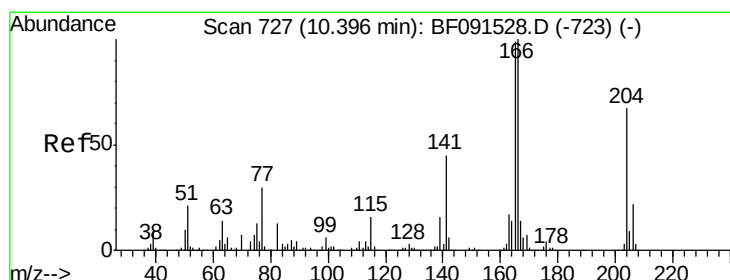
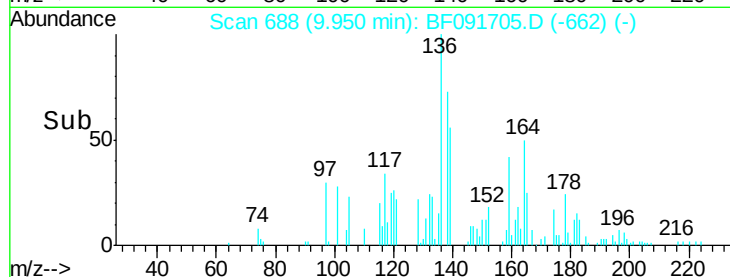
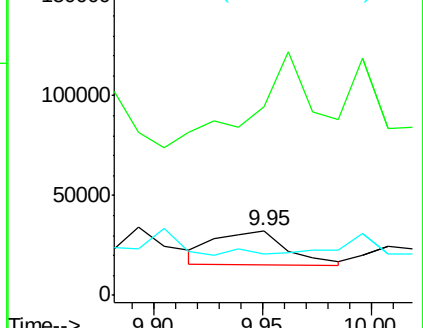
65 63.2 102.2 142.2#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#57

Fluorene

Concen: Below Cal

RT: 10.36 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF091705.D

Acq: 17 Dec 2016 7:21

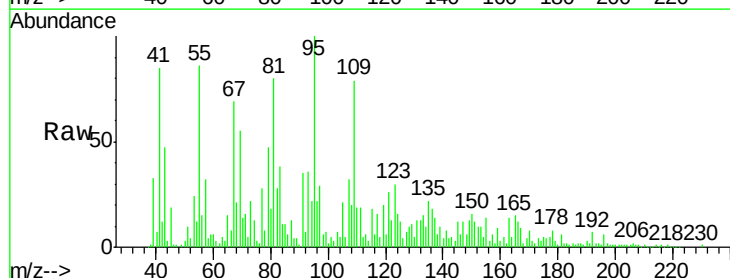
Tgt Ion:166 Resp: 12369

Ion Ratio Lower Upper

166 100

165 125.7 80.0 120.0#

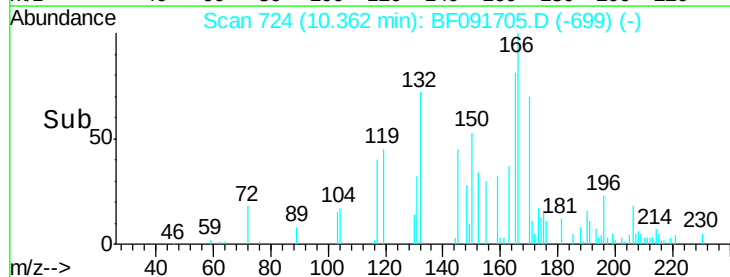
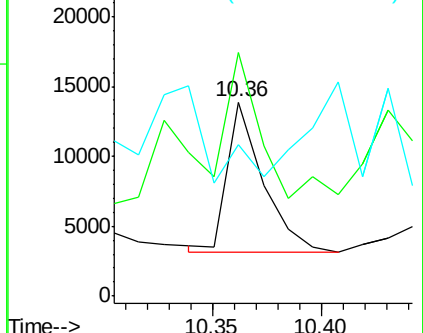
167 78.3 10.8 16.2#

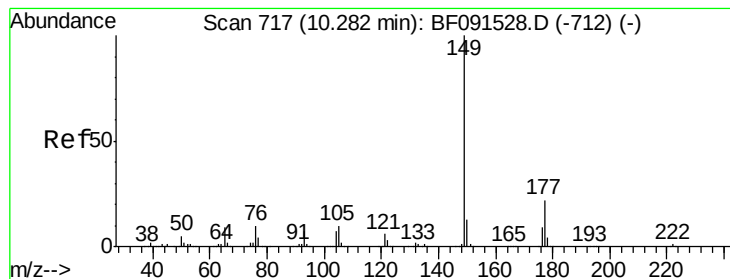


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#59

Diethylphthalate

Concen: 2.66 ng

RT: 10.25 min Scan# 714

Delta R.T. -0.01 min

Lab File: BF091705.D

Acq: 17 Dec 2016 7:21

Instrument :

BNA_F

ClientSampleId :

MW-09

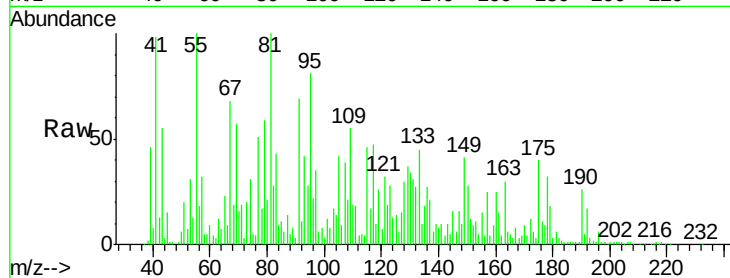
Tgt Ion:149 Resp: 68280

Ion Ratio Lower Upper

149 100

177 21.8 15.7 23.5

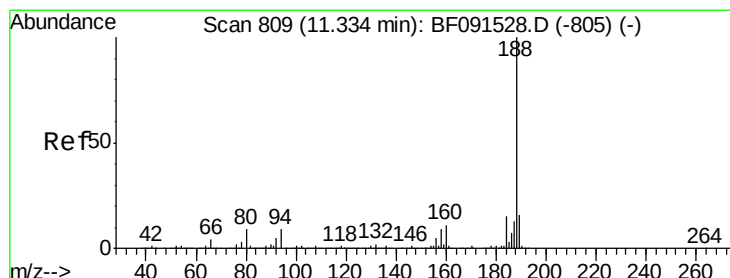
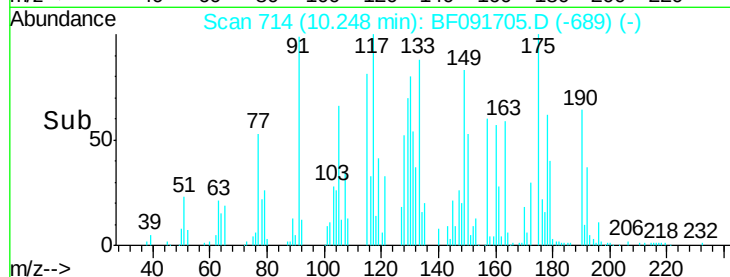
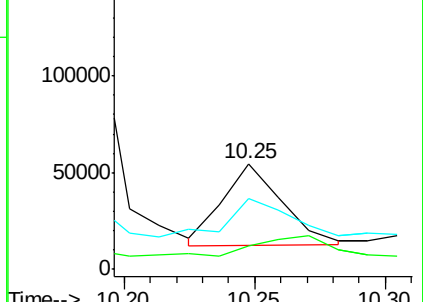
150 67.3 10.2 15.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.30 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF091705.D

Acq: 17 Dec 2016 7:21

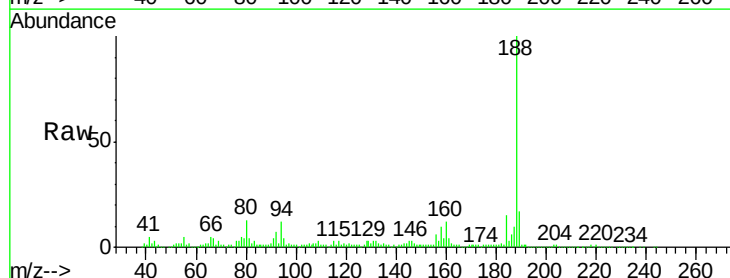
Tgt Ion:188 Resp: 536887

Ion Ratio Lower Upper

188 100

94 12.3 9.2 13.8

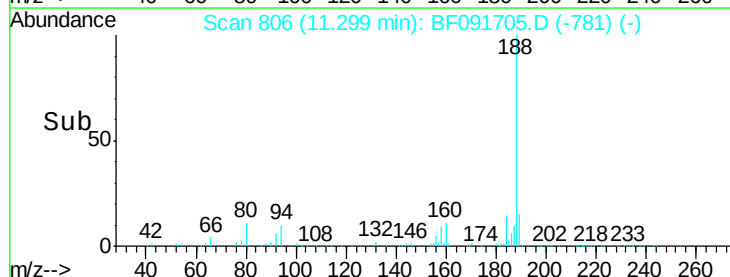
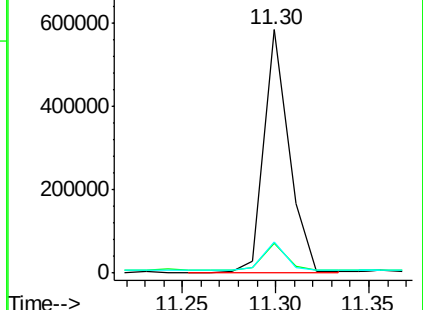
80 13.0 10.5 15.7

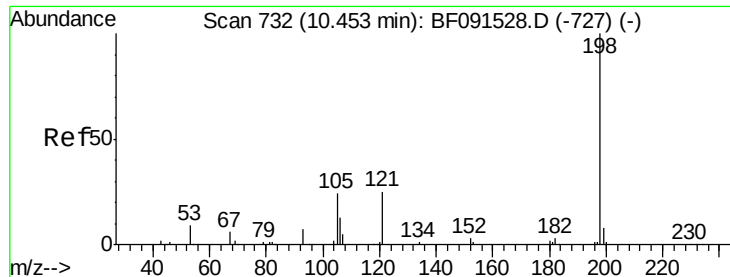


Abundance Ion 188.00 (187.70 to 188.70): E

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: 3.85 ng

RT: 10.41 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF091705.D

Acq: 17 Dec 2016 7:21

Instrument :

BNA_F

ClientSampled :

MW-09

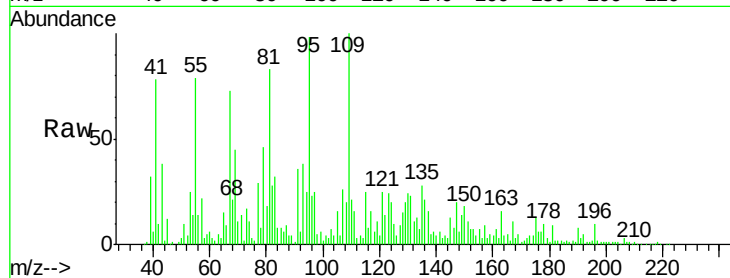
Tgt Ion:198 Resp: 3148

Ion Ratio Lower Upper

198 100

51 729.2 77.1 117.1#

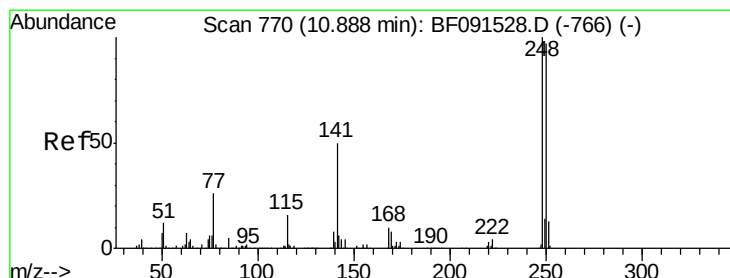
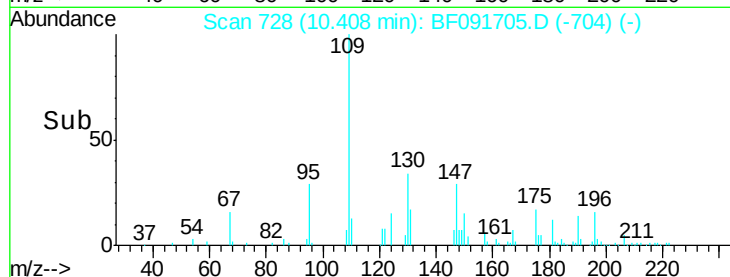
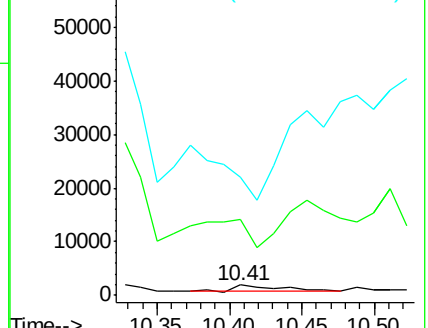
105 1139.1 44.8 84.8#



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: 4.42 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.24 min

Lab File: BF091705.D

Acq: 17 Dec 2016 7:21

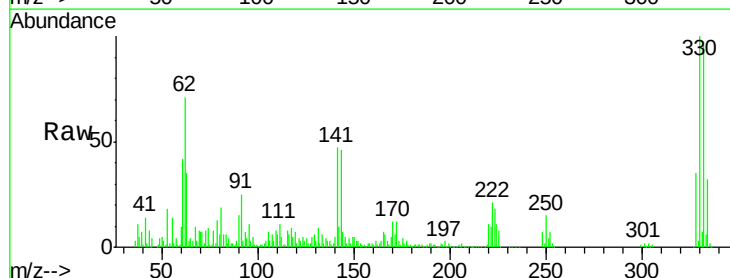
Tgt Ion:248 Resp: 24306

Ion Ratio Lower Upper

248 100

250 202.1 78.2 117.4#

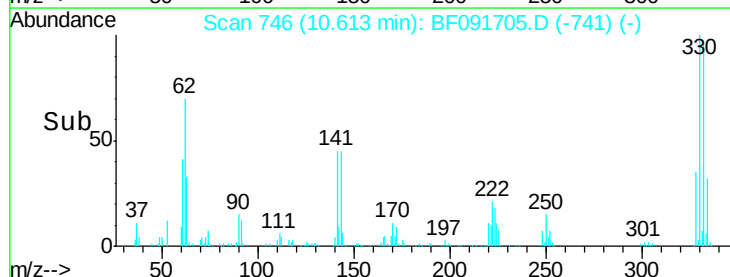
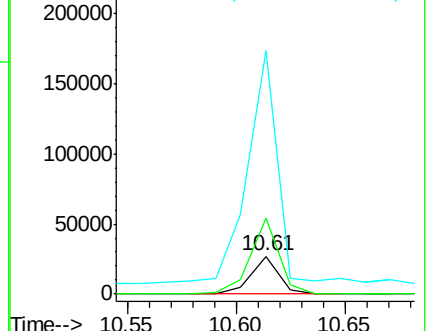
141 647.6 71.9 107.9#

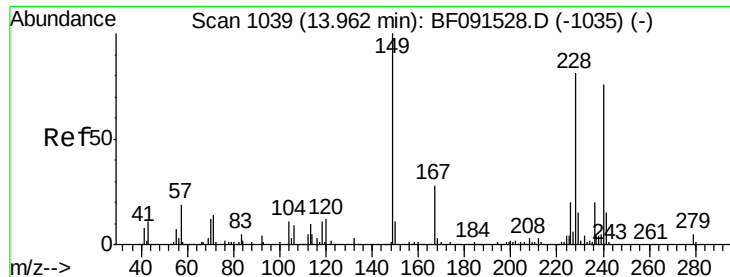


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF091705.D

Acq: 17 Dec 2016 7:21

Instrument :

BNA_F

ClientSampleId :

MW-09

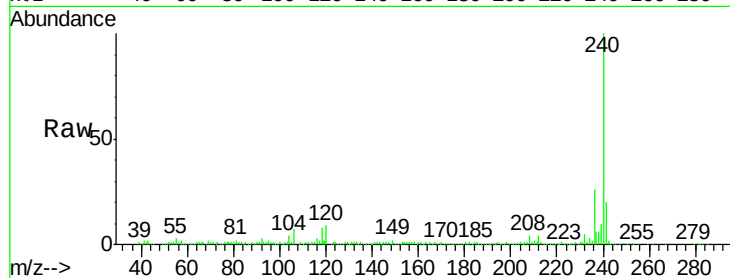
Tgt Ion:240 Resp: 310485

Ion Ratio Lower Upper

240 100

120 9.2 12.1 18.1#

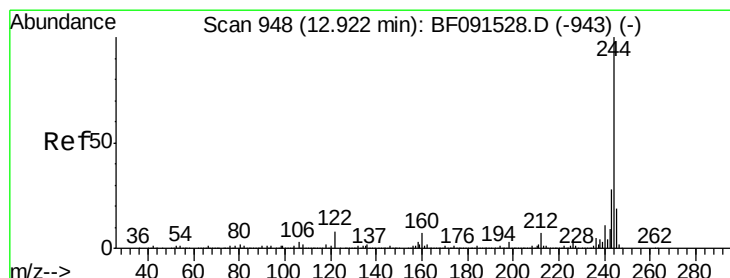
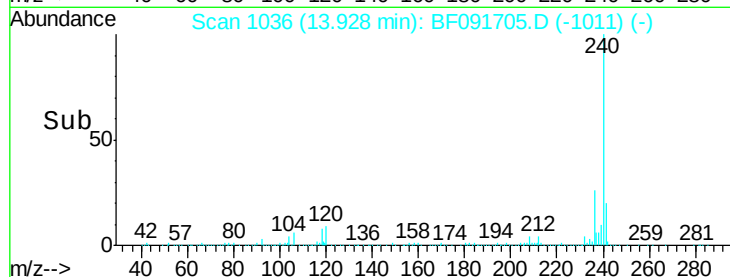
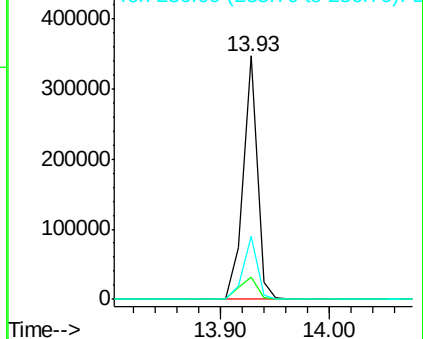
236 25.8 21.0 31.6



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: 105.79 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF091705.D

Acq: 17 Dec 2016 7:21

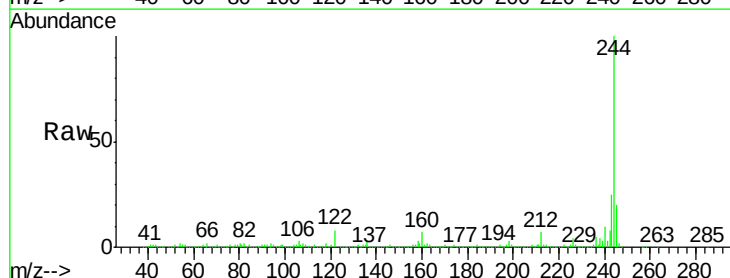
Tgt Ion:244 Resp: 1447558

Ion Ratio Lower Upper

244 100

212 7.0 6.5 9.7

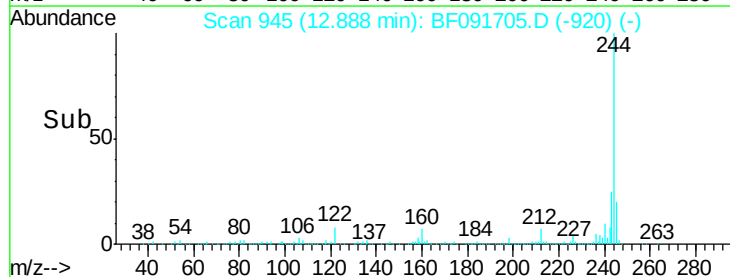
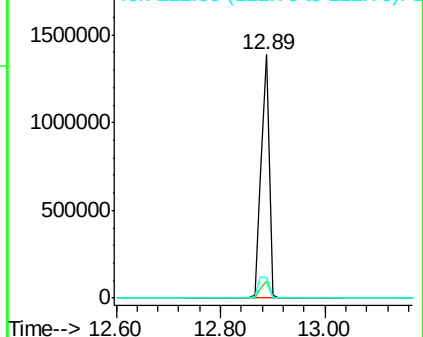
122 8.4 9.5 14.3#

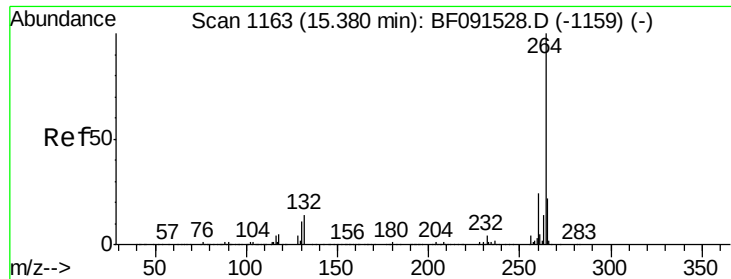


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.33 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BF091705.D

Acq: 17 Dec 2016 7:21

Instrument :

BNA_F

ClientSampleId :

MW-09

Tgt Ion: 264 Resp: 384273

Ion Ratio Lower Upper

264 100

260 23.5 18.8 28.2

265 21.2 17.0 25.6

