

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
 Data File : BF097815.D
 Acq On : 18 Aug 2017 5:31
 Operator : SJ/JU
 Sample : I4752-03
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RMAB-MW-8-GW

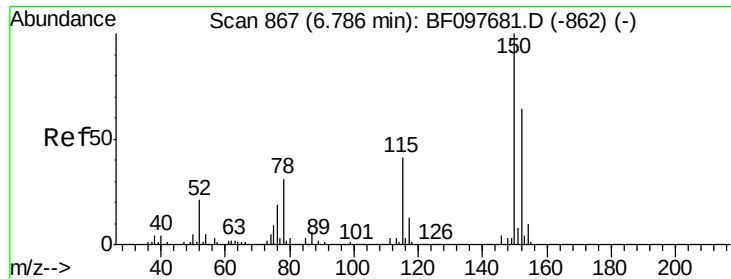
Quant Time: Aug 18 07:08:36 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	130396	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	425546	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	161840	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	272180	20.00	ng	0.00
75) Chrysene-d12	13.93	240	290131	20.00	ng	-0.01
86) Perylene-d12	15.36	264	201746	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	139830	16.31	ng	0.02
7) Phenol-d6	6.42	99	600679	51.57	ng	0.01
23) Nitrobenzene-d5	7.35	82	721230	92.07	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	169539	120.73	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	918973	83.43	ng	0.00
78) Terphenyl-d14	12.89	244	801037	57.58	ng	0.00

Target Compounds						Qvalue
9) Benzaldehyde	6.33	77	670409	90.87	ng	# 1
15) Benzyl Alcohol	6.94	79	27619	3.17	ng	# 45
17) 2-Methylphenol	7.04	107	22519	2.83	ng	# 1
18) Hexachloroethane	7.32	117	359207	92.64	ng	# 1
20) 3+4-Methylphenols	7.19	107	110187	11.32	ng	# 50
22) Acetophenone	7.18	105	755750	67.23	ng	# 55
24) Nitrobenzene	7.36	77	59084	6.77	ng	# 4
25) Isophorone	7.35	82	714438	43.86	ng	# 67
26) 2-Nitrophenol	7.68	139	713	5.46	ng	# 1
27) 2,4-Dimethylphenol	7.75	122	542651	79.88	ng	# 93
31) Naphthalene	8.10	128	4205025	190.34	ng	# 98
32) Benzoic acid	7.84	122	108399	25.38	ng	# 83
33) 4-Chloroaniline	8.10	127	613498	65.85	ng	# 33
37) 2-Methylnaphthalene	8.78	142	631045	46.59	ng	# 98
47) 2-Nitroaniline	9.34	65	11106	3.04	ng	# 74
50) 2,6-Dinitrotoluene	9.61	165	6338	2.68	ng	# 1
53) 2,4-Dinitrophenol	10.11	184	126	10.24	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.60	198	338	8.54	ng	# 1
66) 4-Bromophenyl-phenylether	10.60	248	11857	4.20	ng	# 1

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

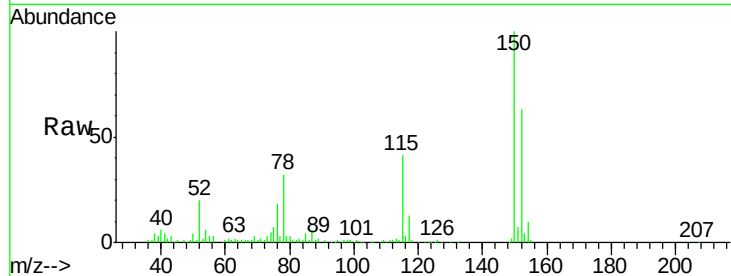


#1

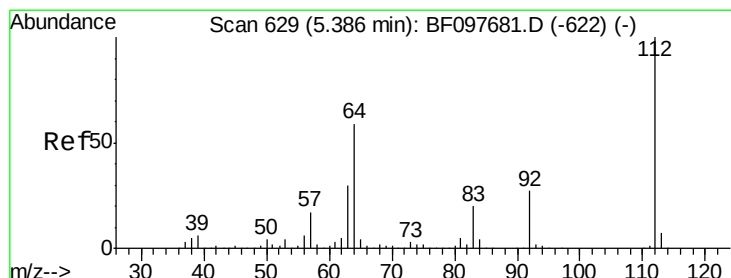
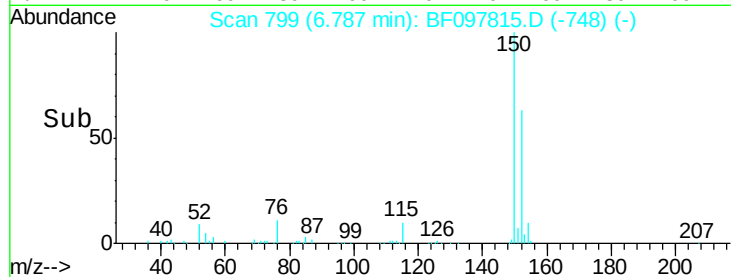
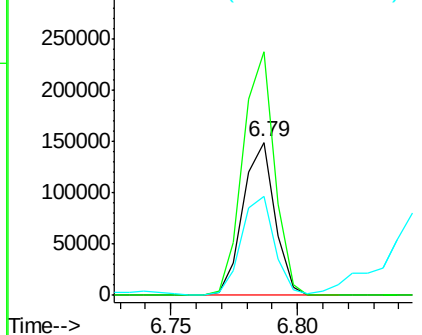
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF097815.D
Acq: 18 Aug 2017 5:31

Instrument :
BNA_F
ClientSampleId :
RMAB-MW-8-GW

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	126.2	189.2
115	64.7	52.2	78.2



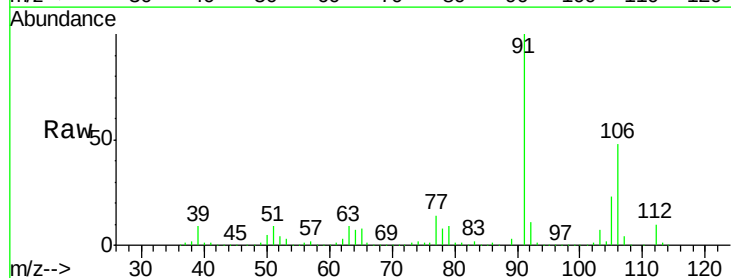
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



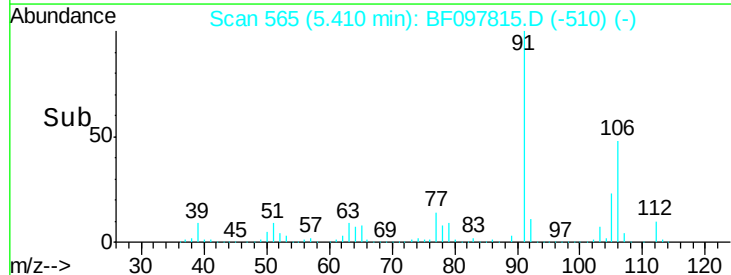
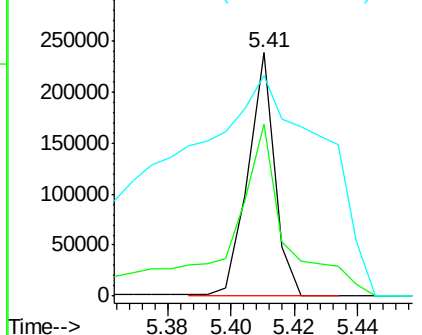
#5

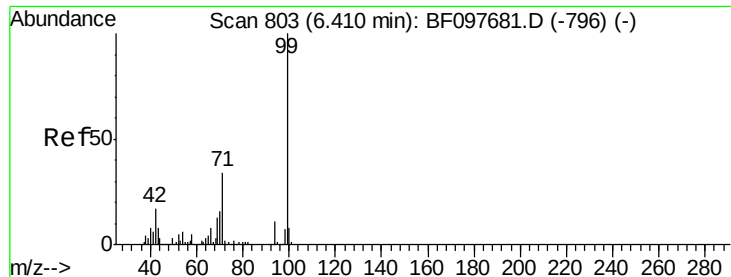
2-Fluorophenol
Concen: 16.31 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.02 min
Lab File: BF097815.D
Acq: 18 Aug 2017 5:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.5	46.0	69.0#
63	90.5	23.4	35.0#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 51.57 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.01 min

Lab File: BF097815.D

Acq: 18 Aug 2017 5:31

Instrument :

BNA_F

ClientSampleId :

RMAB-MW-8-GW

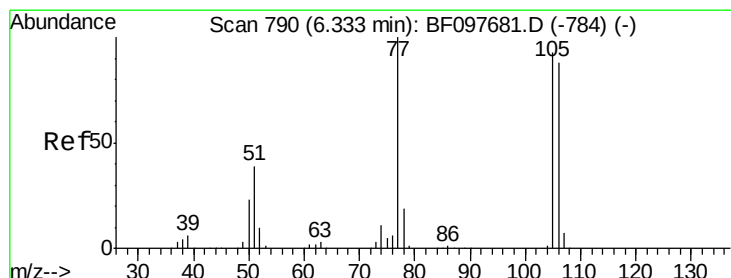
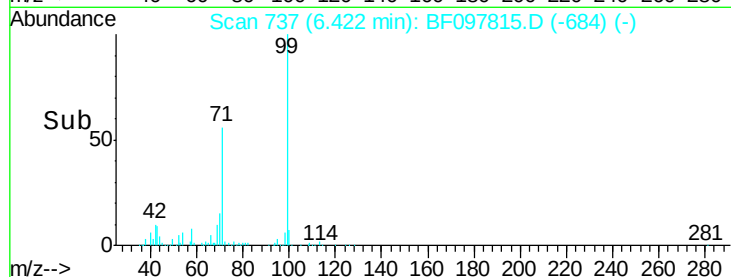
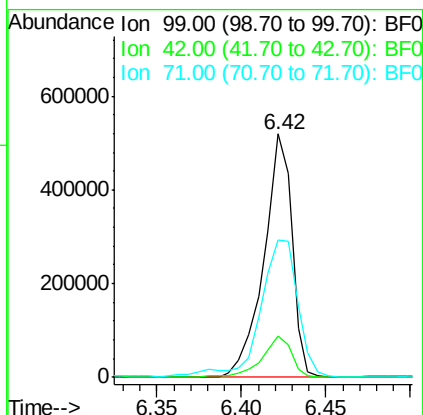
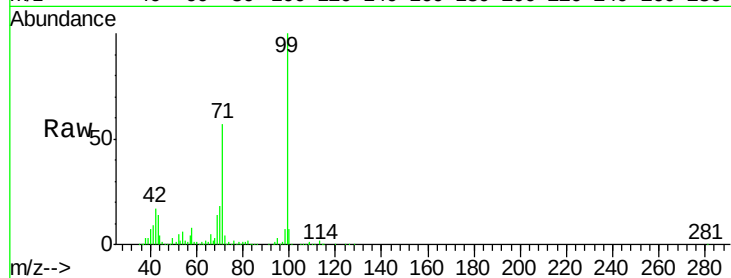
Tot Ion: 99 Resp: 600679

Ion Ratio Lower Upper

99 100

42 16.9 13.5 20.3

71 56.7 24.5 36.7#



#9

Benzaldehyde

Concen: 90.87 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF097815.D

Acq: 18 Aug 2017 5:31

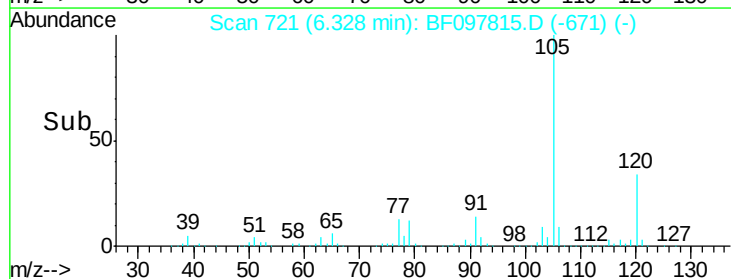
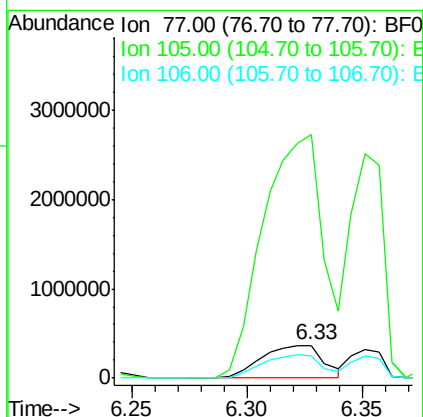
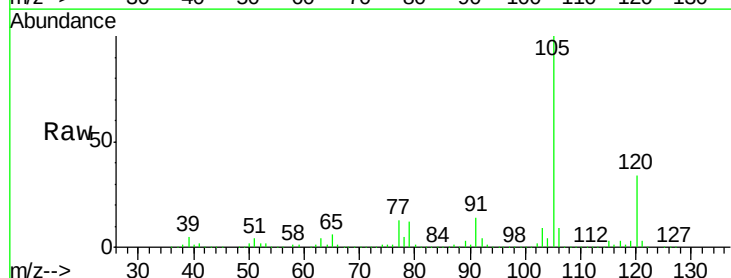
Tgt Ion: 77 Resp: 670409

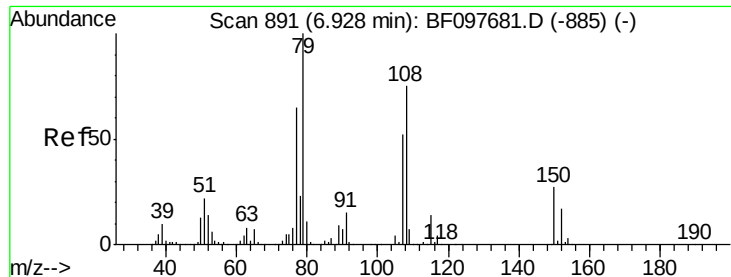
Ion Ratio Lower Upper

77 100

105 744.0 83.8 123.8#

106 69.2 79.1 119.1#

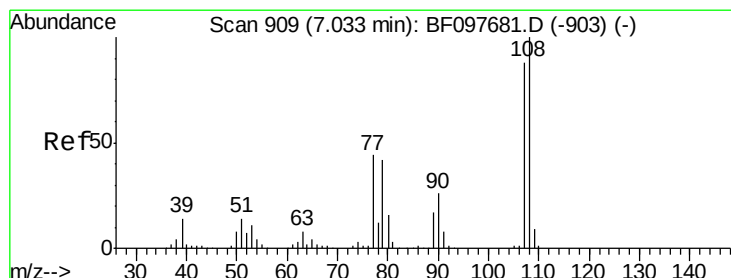
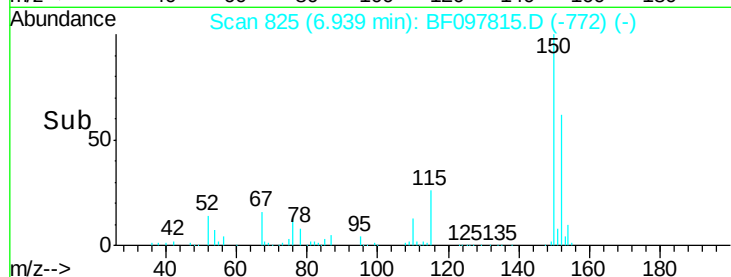
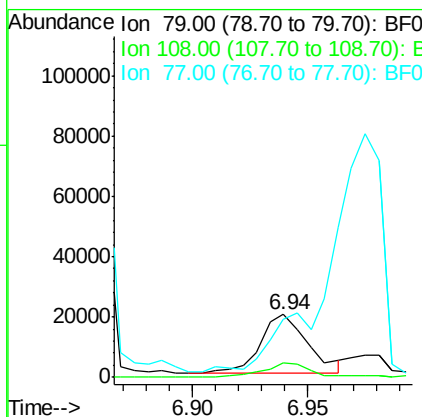
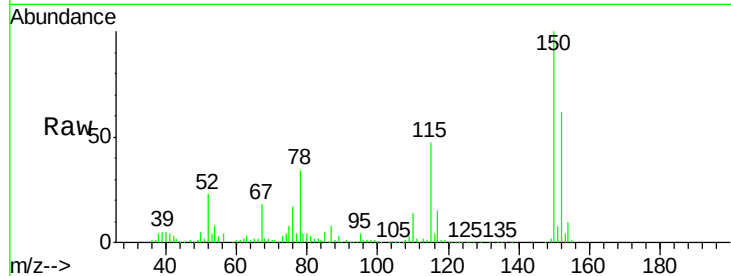




#15
Benzyl Alcohol
Concen: 3.17 ng
RT: 6.94 min Scan# 825
Delta R.T. 0.01 min
Lab File: BF097815.D
Acq: 18 Aug 2017 5:31

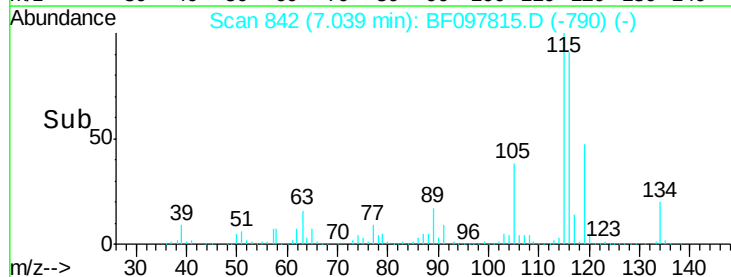
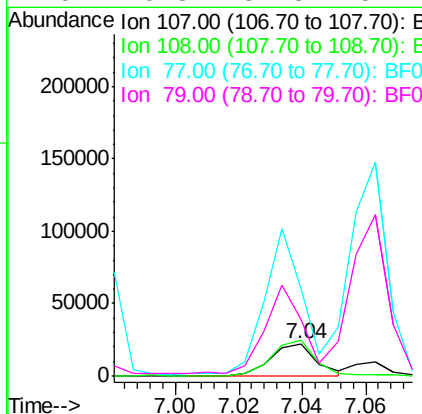
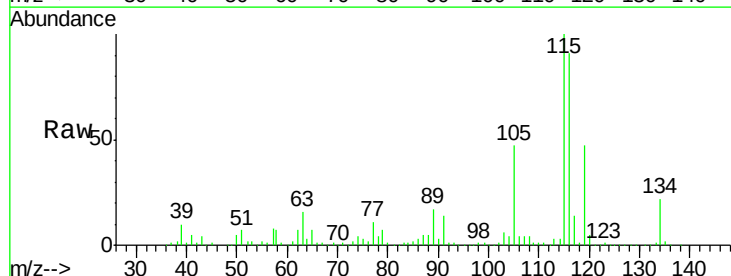
Instrument :
BNA_F
ClientSampleId :
RMAB-MW-8-GW

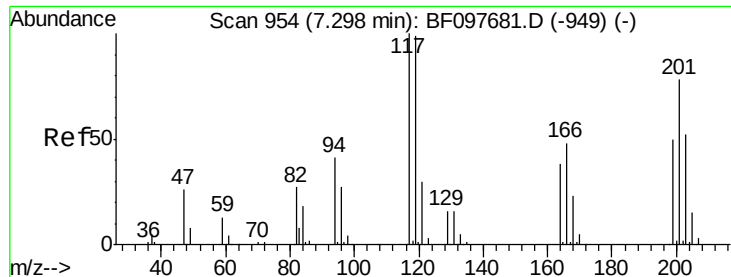
Tot Ion: 79 Resp: 27619
Ion Ratio Lower Upper
79 100
108 22.2 63.4 95.0#
77 93.6 49.2 73.8#



#17
2-Methylphenol
Concen: 2.83 ng
RT: 7.04 min Scan# 842
Delta R.T. 0.01 min
Lab File: BF097815.D
Acq: 18 Aug 2017 5:31

Tgt Ion: 107 Resp: 22519
Ion Ratio Lower Upper
107 100
108 111.1 93.4 140.0
77 269.1 35.8 53.6#
79 176.8 34.8 52.2#





#18

Hexachloroethane

Concen: 92.64 ng

RT: 7.32 min Scan# 889

Delta R.T. 0.02 min

Lab File: BF097815.D

Acq: 18 Aug 2017 5:31

Instrument :

BNA_F

ClientSampleId :

RMAB-MW-8-GW

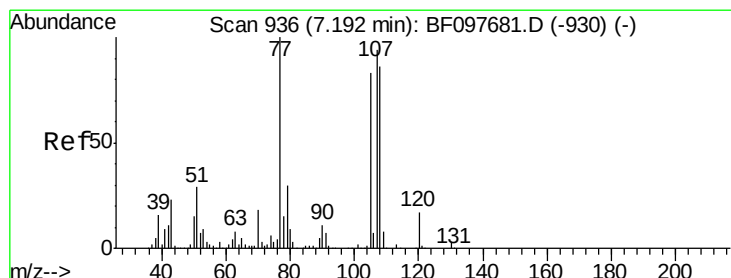
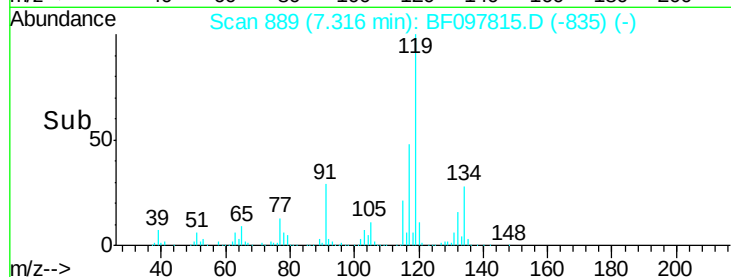
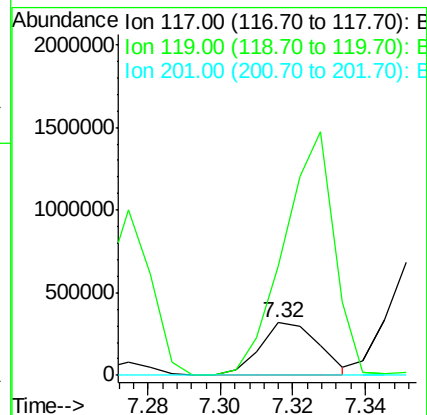
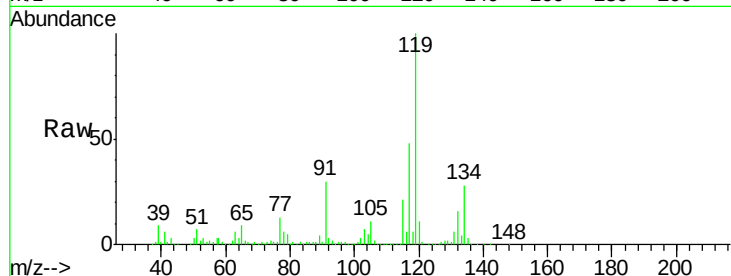
Tot Ion:117 Resp: 359207

Ion Ratio Lower Upper

117 100

119 209.0 77.4 116.0#

201 0.0 94.6 141.8#



#20

3+4-Methylphenols

Concen: 11.32 ng

RT: 7.19 min Scan# 868

Delta R.T. 0.00 min

Lab File: BF097815.D

Acq: 18 Aug 2017 5:31

Tgt Ion:107 Resp: 110187

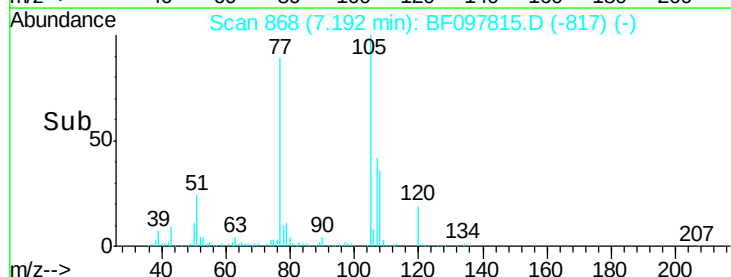
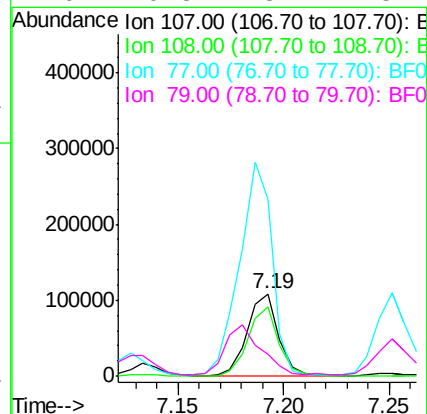
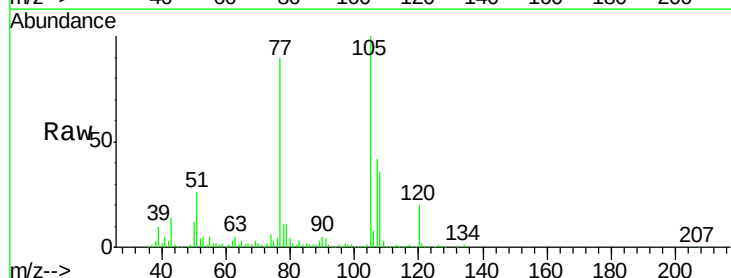
Ion Ratio Lower Upper

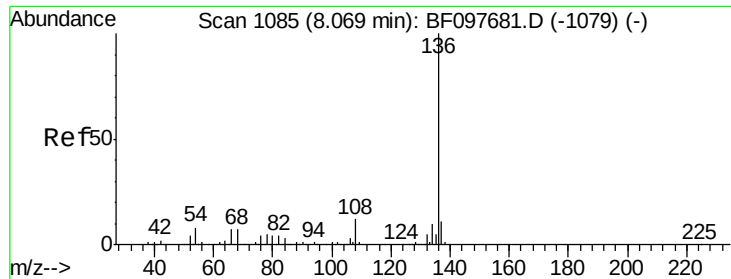
107 100

108 84.6 71.0 111.0

77 214.5 90.5 130.5#

79 26.8 8.4 48.4

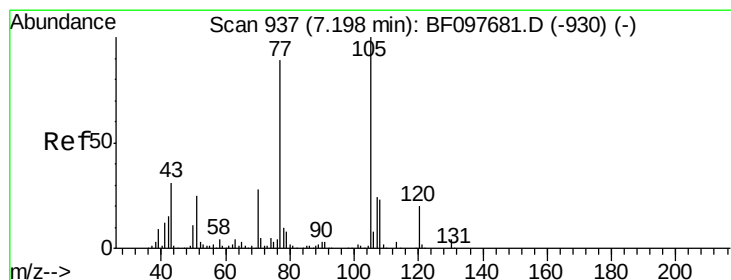
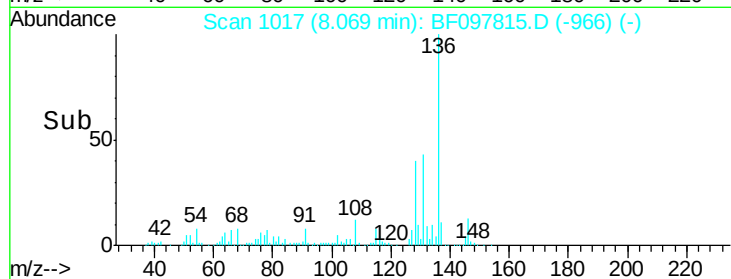
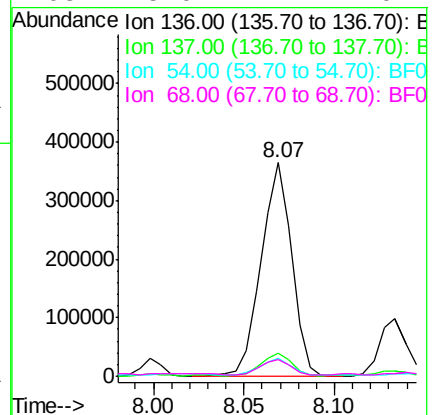
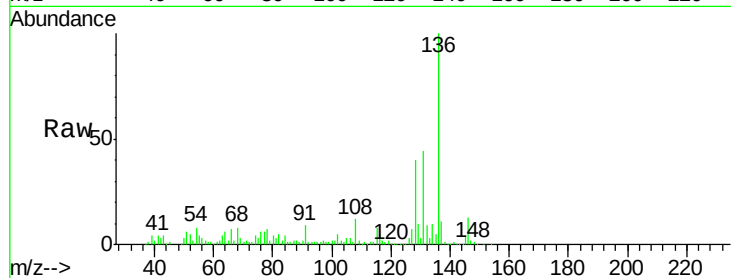




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BF097815.D
Acq: 18 Aug 2017 5:31

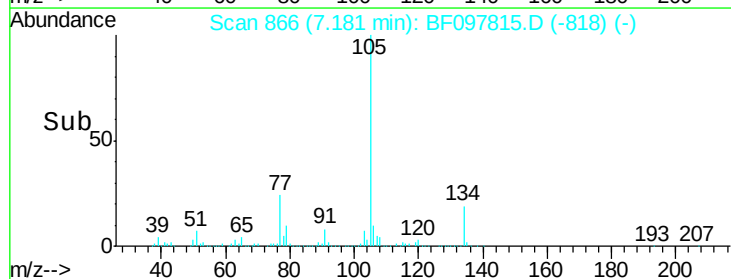
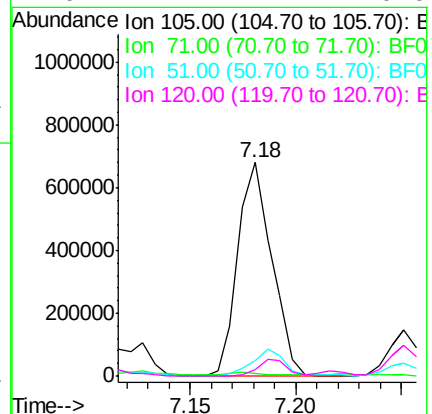
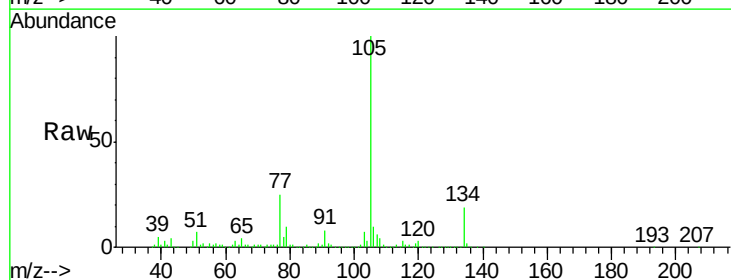
Instrument :
BNA_F
ClientSampleId :
RMAB-MW-8-GW

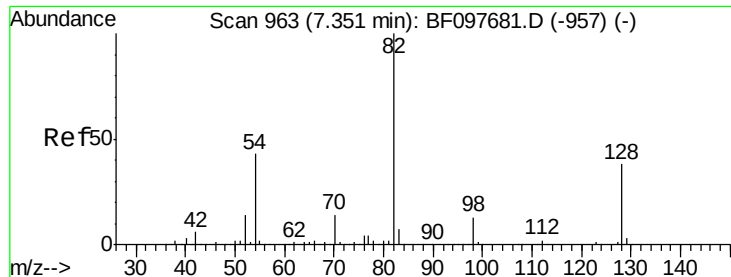
Tot Ion:136	Resp:	425546
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.5 12.7
54	8.2	4.9 7.3#
68	8.0	4.1 6.1#



#22
Acetophenone
Concen: 67.23 ng
RT: 7.18 min Scan# 866
Delta R.T. -0.02 min
Lab File: BF097815.D
Acq: 18 Aug 2017 5:31

Tgt Ion:105	Resp:	755750
Ion Ratio	Lower	Upper
105	100	
71	1.1	2.8 4.2#
51	7.0	30.7 46.1#
120	2.7	17.4 26.0#

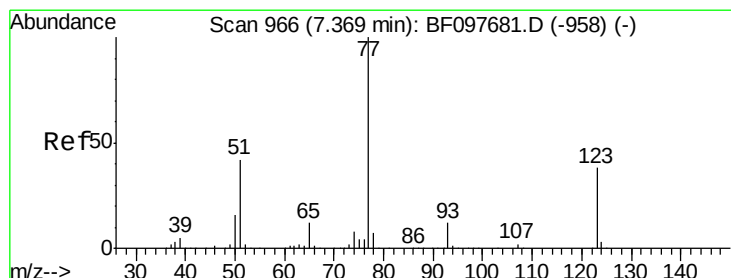
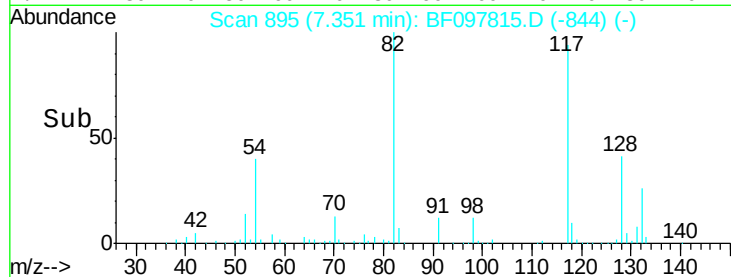
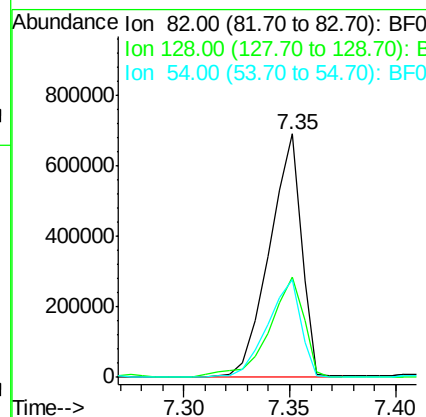
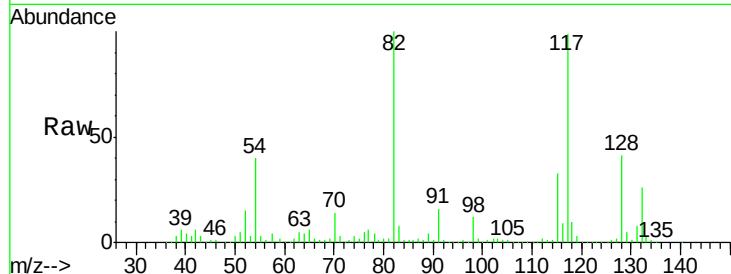




#23
 Nitrobenzene-d5
 Concen: 92.07 ng
 RT: 7.35 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: BF097815.D
 Acq: 18 Aug 2017 5:31

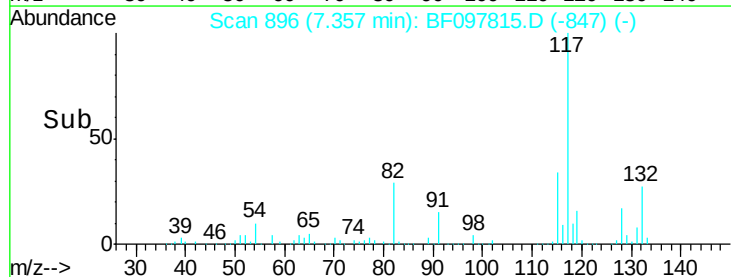
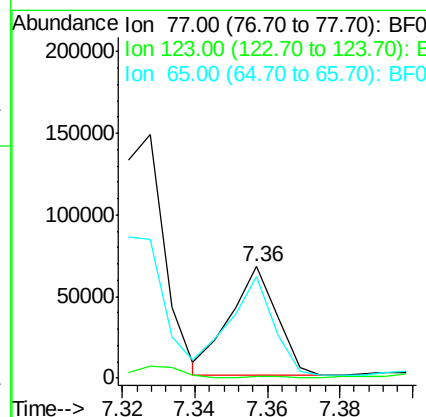
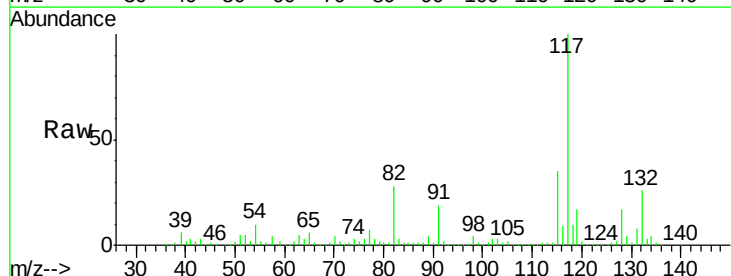
Instrument :
 BNA_F
 ClientSampleId :
 RMAB-MW-8-GW

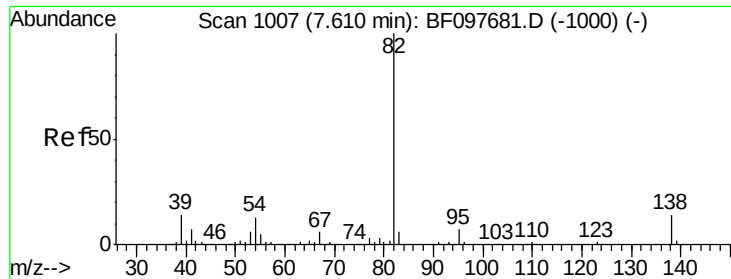
Tot Ion	Ratio	Lower	Upper
82	100		
128	41.1	34.0	51.0
54	40.3	42.2	63.2#



#24
 Nitrobenzene
 Concen: 6.77 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF097815.D
 Acq: 18 Aug 2017 5:31

Tgt Ion	Ratio	Lower	Upper
77	100		
123	1.0	35.8	53.8#
65	90.9	10.6	15.8#





#25

Isophorone

Concen: 43.86 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.26 min

Lab File: BF097815.D

Acq: 18 Aug 2017 5:31

Instrument :

BNA_F

ClientSampleId :

RMAB-MW-8-GW

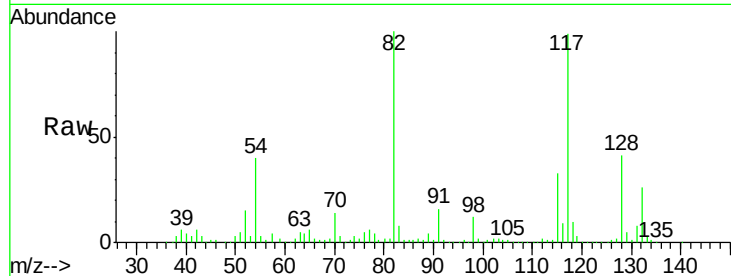
Tot Ion: 82 Resp: 714438

Ion Ratio Lower Upper

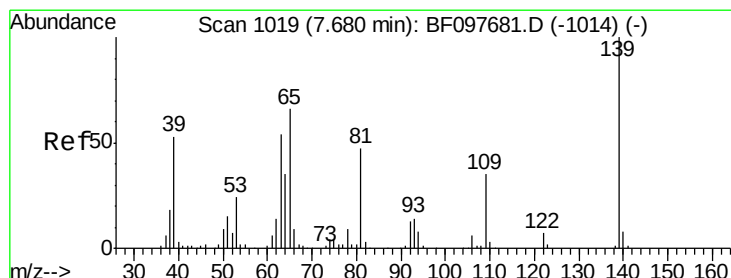
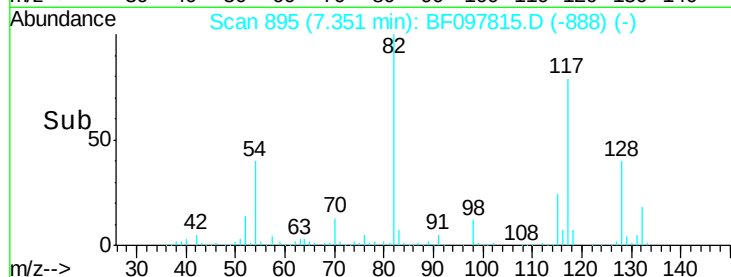
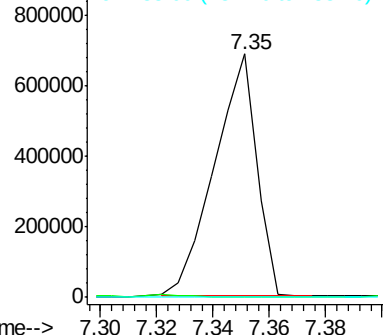
82 100

95 0.2 5.3 7.9#

138 0.0 13.1 19.7#



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



#26

2-Nitrophenol

Concen: 5.46 ng

RT: 7.68 min Scan# 951

Delta R.T. 0.00 min

Lab File: BF097815.D

Acq: 18 Aug 2017 5:31

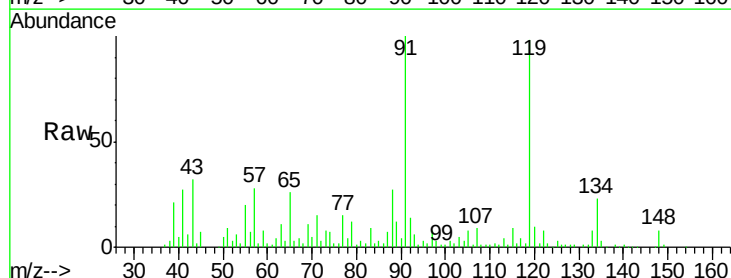
Tgt Ion: 139 Resp: 713

Ion Ratio Lower Upper

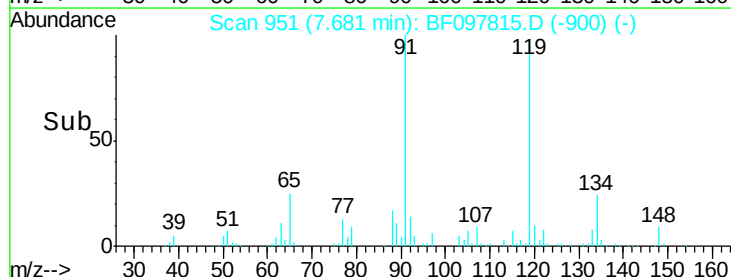
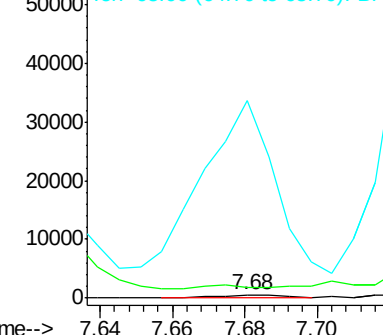
139 100

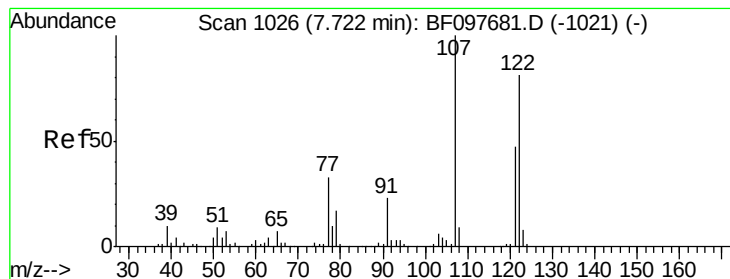
109 348.0 21.0 31.6#

65 6643.5 33.0 49.6#



Abundance Ion 139.00 (138.70 to 139.70): BF0
Ion 109.00 (108.70 to 109.70): BF0
Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 79.88 ng

RT: 7.75 min Scan# 962

Delta R.T. 0.02 min

Lab File: BF097815.D

Acq: 18 Aug 2017 5:31

Instrument :

BNA_F

ClientSampleId :

RMAB-MW-8-GW

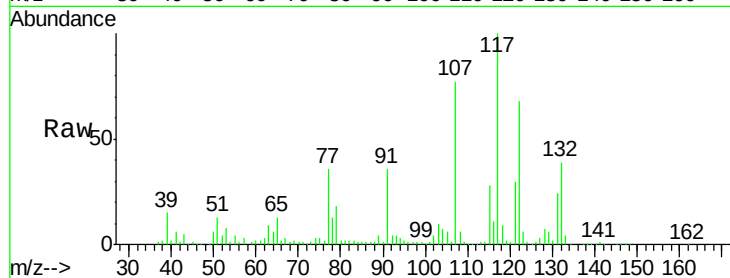
Tot Ion:122 Resp: 542651

Ion Ratio Lower Upper

122 100

107 113.4 89.2 133.8

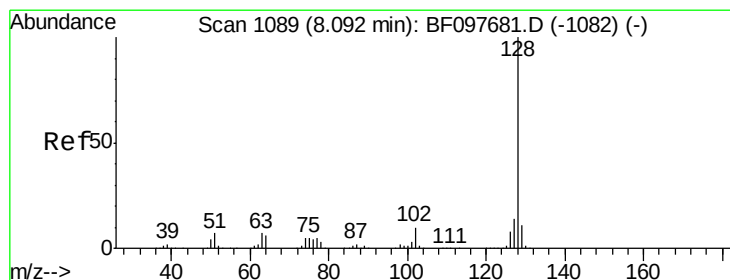
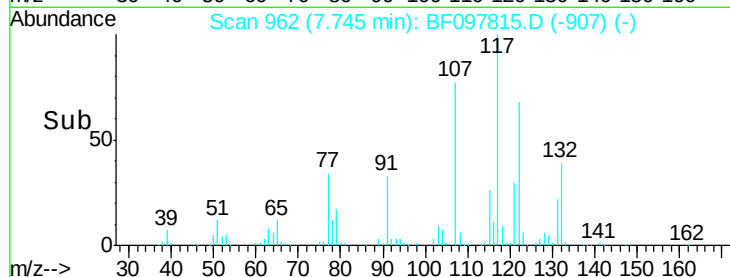
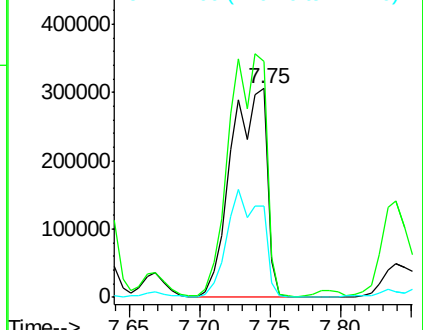
121 43.9 45.2 67.8#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 190.34 ng

RT: 8.10 min Scan# 1022

Delta R.T. 0.01 min

Lab File: BF097815.D

Acq: 18 Aug 2017 5:31

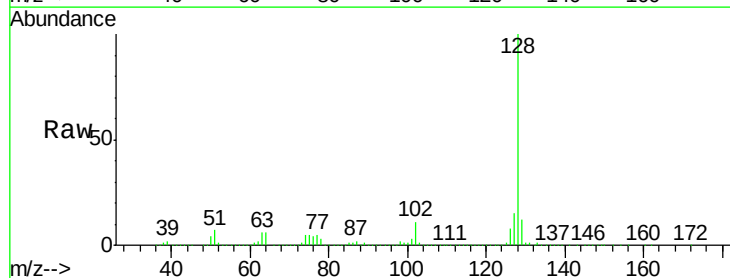
Tgt Ion:128 Resp: 4205025

Ion Ratio Lower Upper

128 100

129 12.0 9.0 13.6

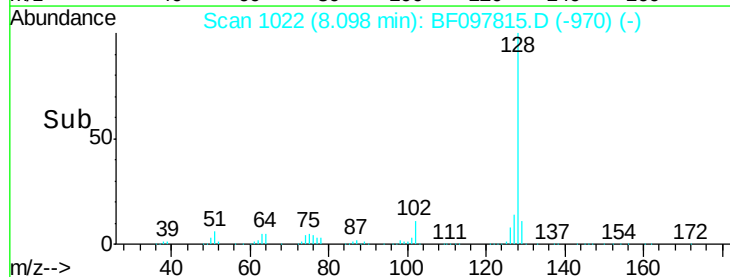
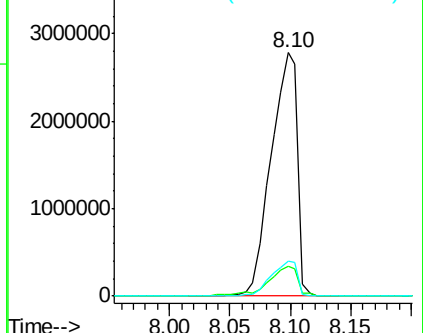
127 14.5 10.8 16.2

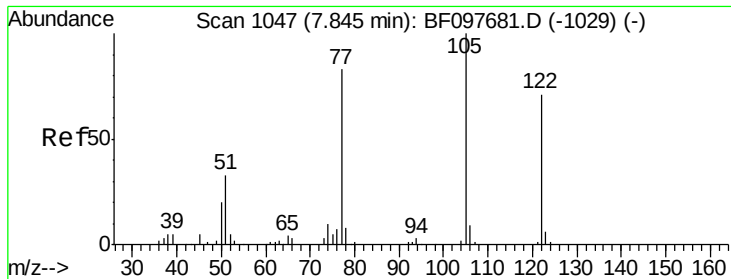


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

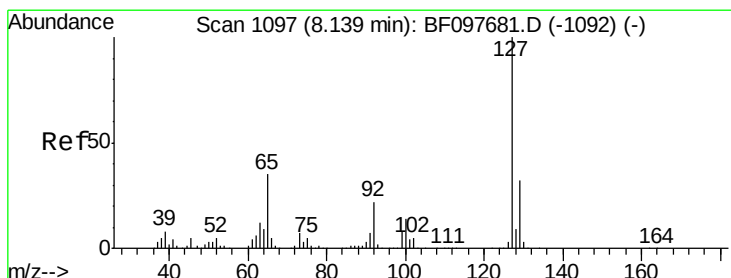
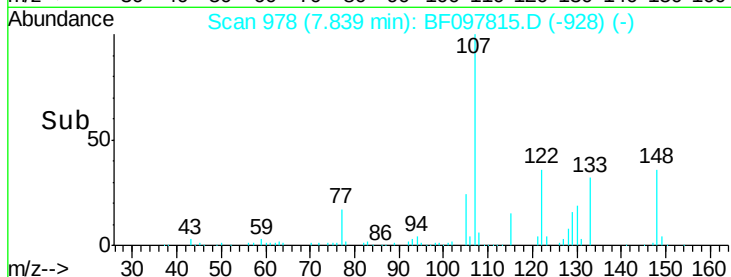
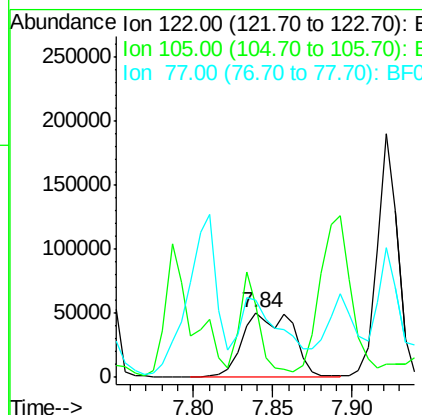
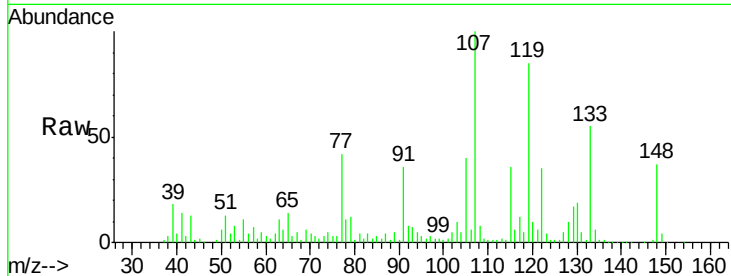




#32
Benzoic acid
Concen: 25.38 ng
RT: 7.84 min Scan# 978
Delta R.T. -0.01 min
Lab File: BF097815.D
Acq: 18 Aug 2017 5:31

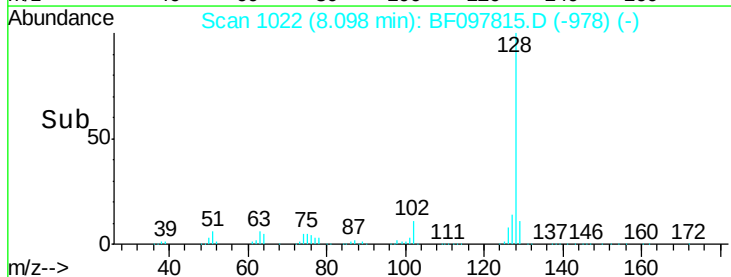
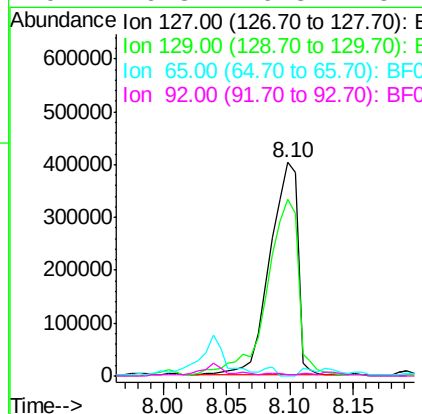
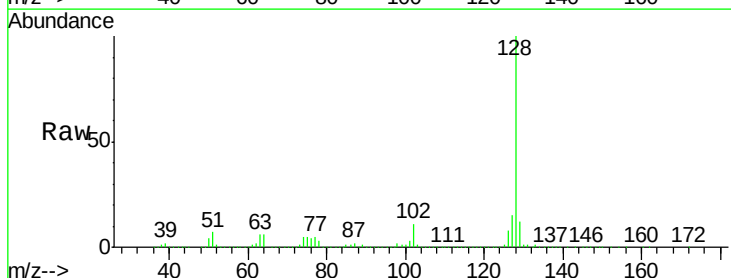
Instrument :
BNA_F
ClientSampleId :
RMAB-MW-8-GW

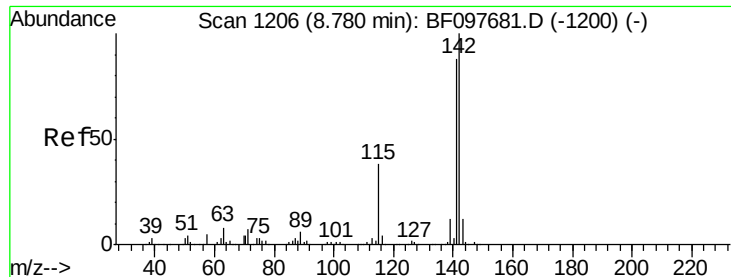
Tot Ion:122 Resp: 108399
Ion Ratio Lower Upper
122 100
105 111.8 103.3 143.3
77 119.3 73.7 113.7#



#33
4-Chloroaniline
Concen: 65.85 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.04 min
Lab File: BF097815.D
Acq: 18 Aug 2017 5:31

Tgt Ion:127 Resp: 613498
Ion Ratio Lower Upper
127 100
129 82.8 26.2 39.2#
65 0.0 27.8 41.8#
92 0.3 16.8 25.2#





#37

2-Methylnaphthalene

Concen: 46.59 ng

RT: 8.78 min Scan# 1138

Delta R.T. 0.00 min

Lab File: BF097815.D

Acq: 18 Aug 2017 5:31

Instrument :

BNA_F

ClientSampleId :

RMAB-MW-8-GW

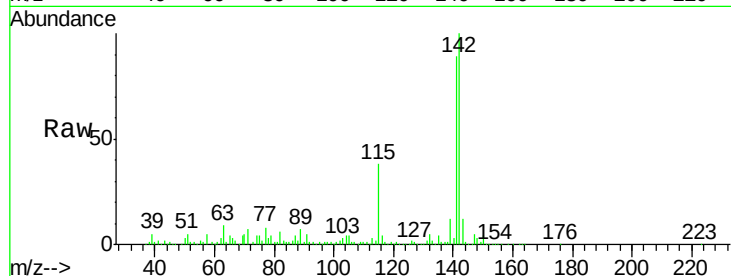
Tot Ion:142 Resp: 631045

Ion Ratio Lower Upper

142 100

141 88.9 71.3 106.9

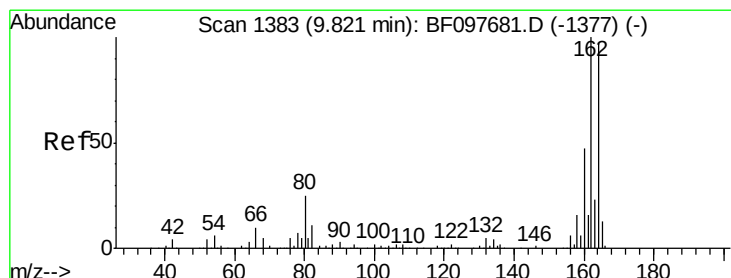
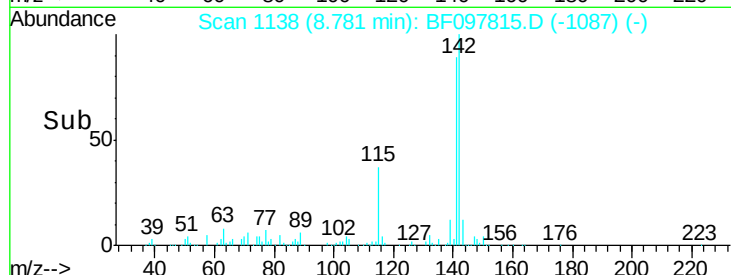
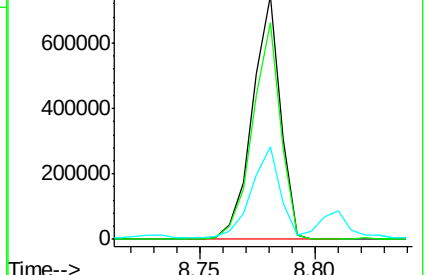
115 37.8 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BF097815.D

Acq: 18 Aug 2017 5:31

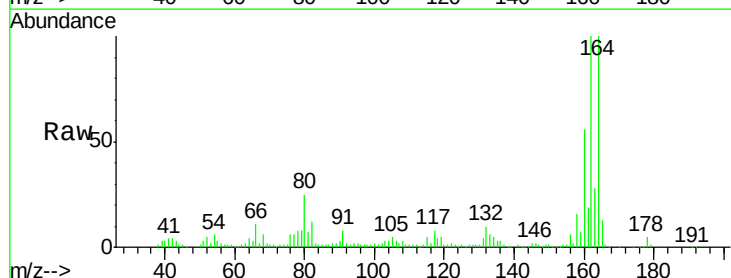
Tgt Ion:164 Resp: 161840

Ion Ratio Lower Upper

164 100

162 99.7 82.6 123.8

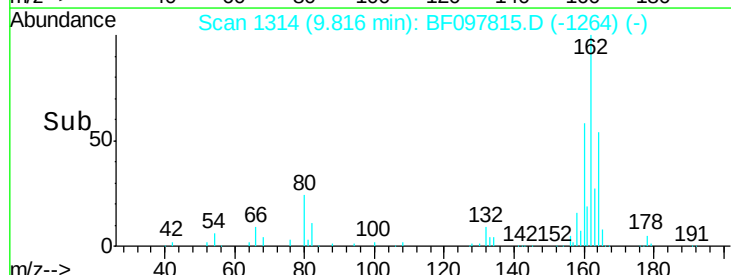
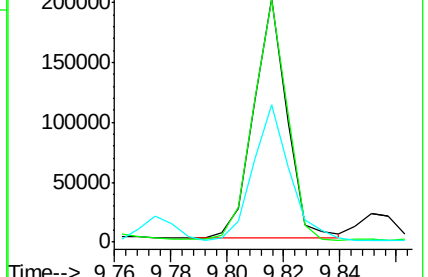
160 56.3 36.2 54.2#

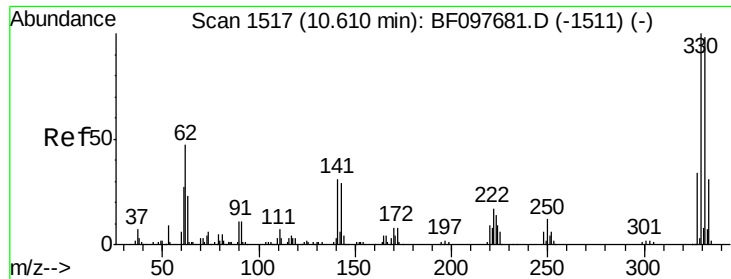


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

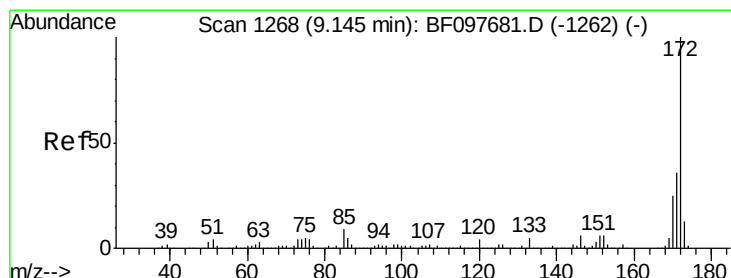
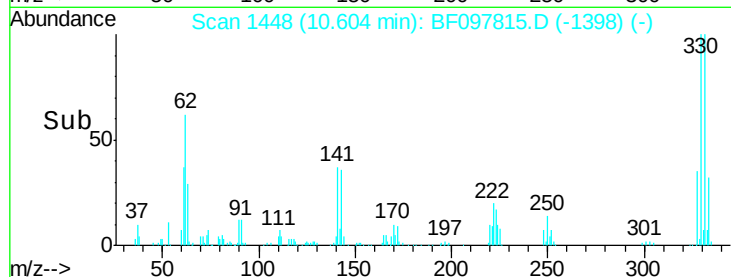
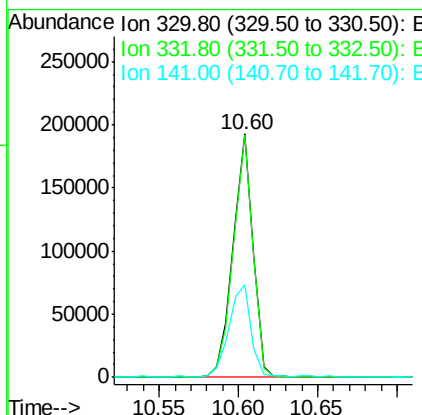
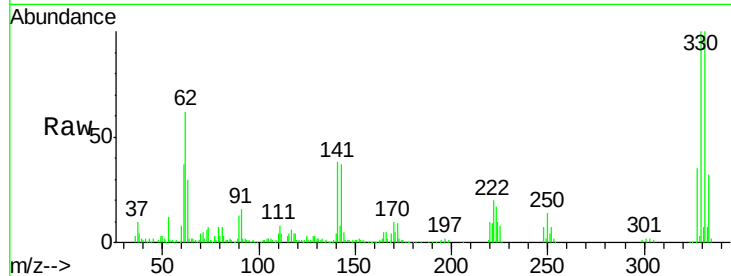




#41
 2,4,6-Tribromophenol
 Concen: 120.73 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF097815.D
 Acq: 18 Aug 2017 5:31

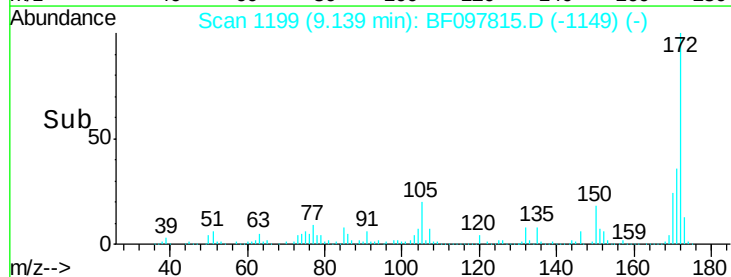
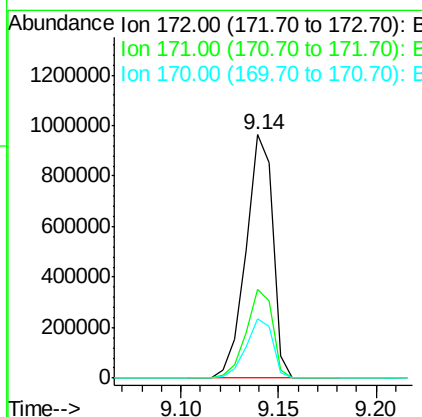
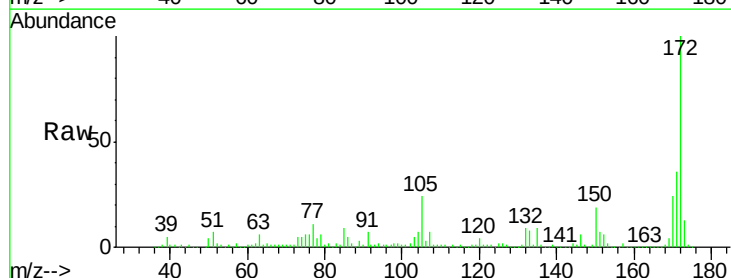
Instrument :
 BNA_F
 ClientSampleId :
 RMAB-MW-8-GW

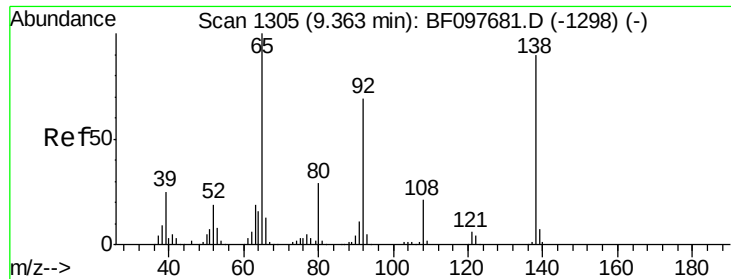
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	76.6	115.0
141	40.6	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 83.43 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF097815.D
 Acq: 18 Aug 2017 5:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	24.2	19.8	29.8





#47

2-Nitroaniline

Concen: 3.04 ng

RT: 9.34 min Scan# 1233

Delta R.T. -0.02 min

Lab File: BF097815.D

Acq: 18 Aug 2017 5:31

Instrument :

BNA_F

ClientSampleId :

RMAB-MW-8-GW

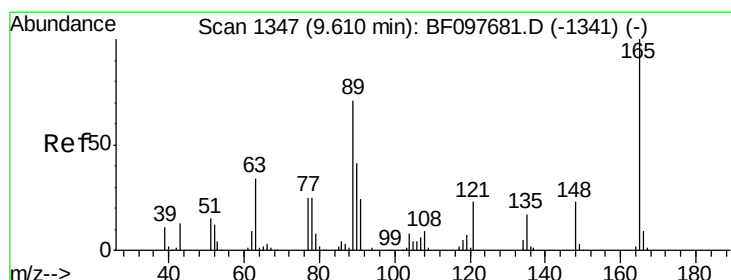
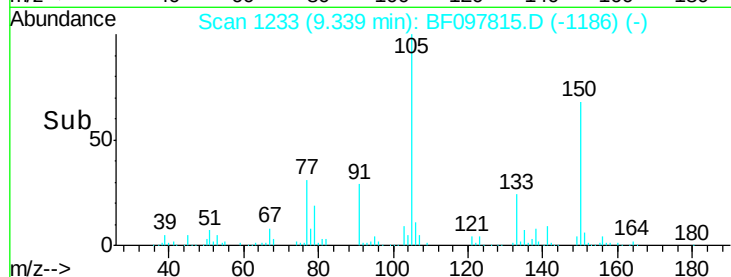
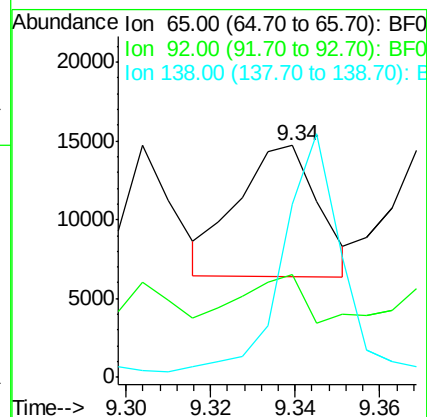
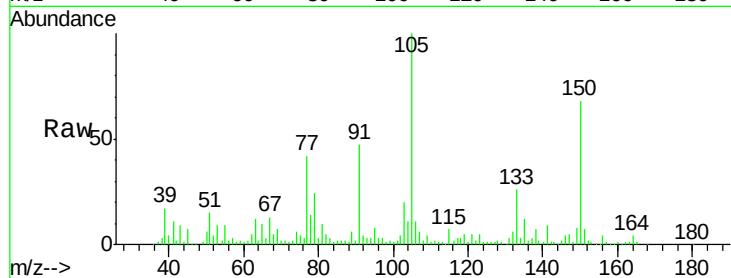
Tot Ion: 65 Resp: 11106

Ion Ratio Lower Upper

65 100

92 44.3 53.9 80.9#

138 74.7 78.8 118.2#



#50

2,6-Dinitrotoluene

Concen: 2.68 ng

RT: 9.61 min Scan# 1279

Delta R.T. 0.00 min

Lab File: BF097815.D

Acq: 18 Aug 2017 5:31

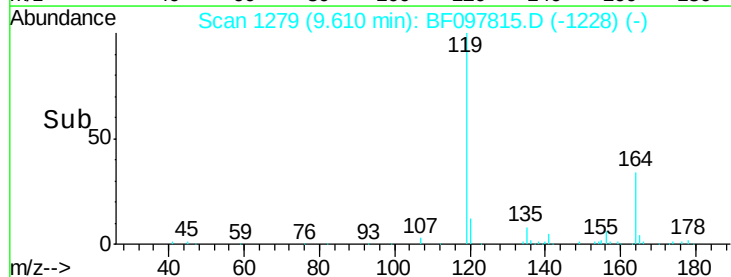
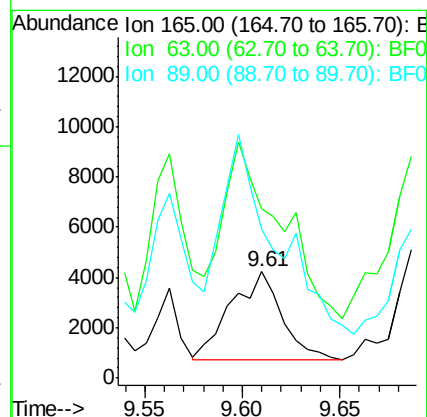
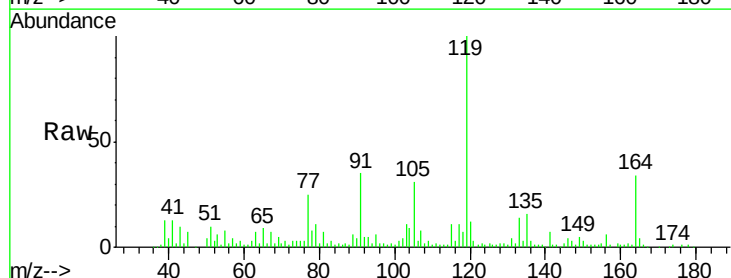
Tgt Ion: 165 Resp: 6338

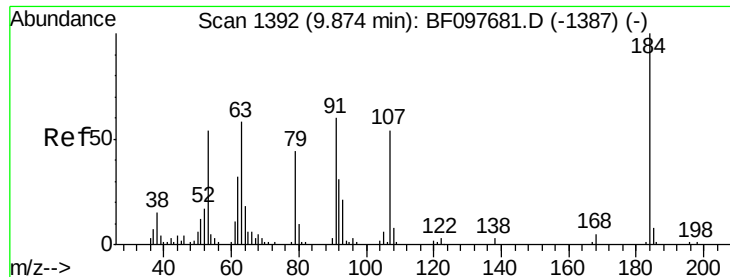
Ion Ratio Lower Upper

165 100

63 159.7 34.3 51.5#

89 140.0 37.1 55.7#

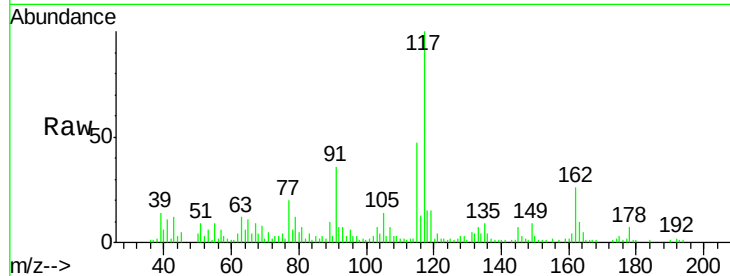




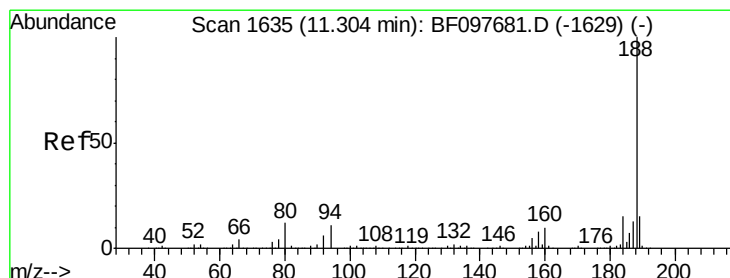
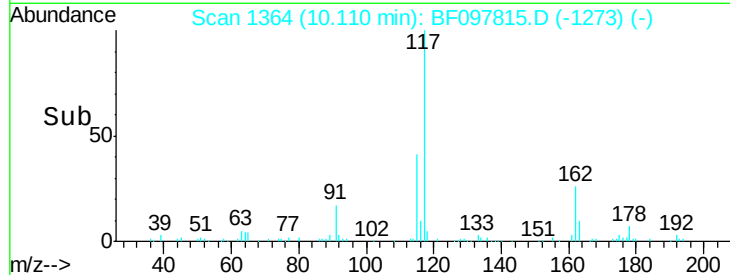
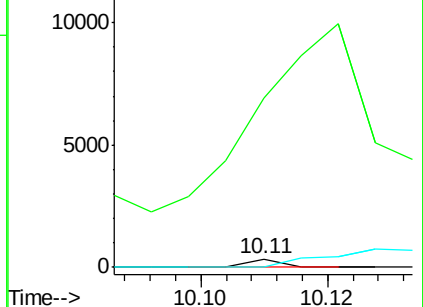
#53
2,4-Dinitrophenol
Concen: 10.24 ng
RT: 10.11 min Scan# 1364
Delta R.T. 0.24 min
Lab File: BF097815.D
Acq: 18 Aug 2017 5:31

Instrument :
BNA_F
ClientSampleId :
RMAB-MW-8-GW

Tot Ion:184 Resp: 126
Ion Ratio Lower Upper
184 100
63 1947.8 62.7 94.1#
154 0.0 81.1 121.7#

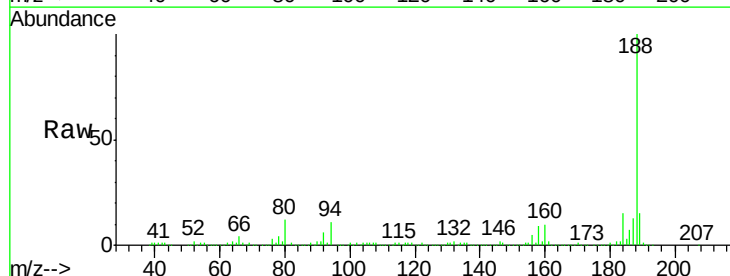


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

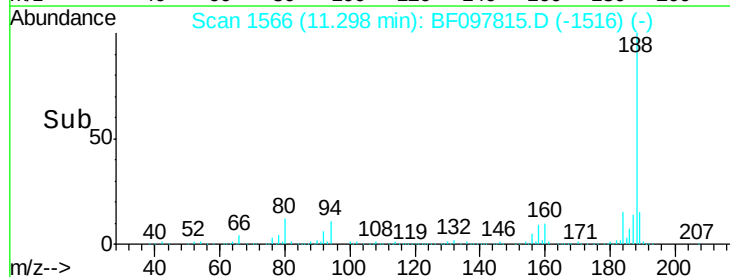
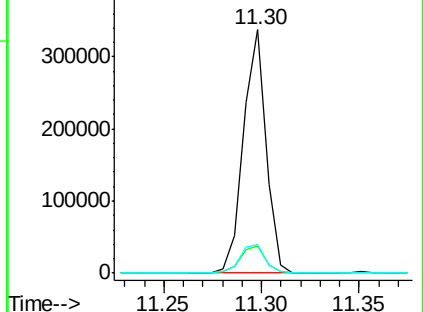


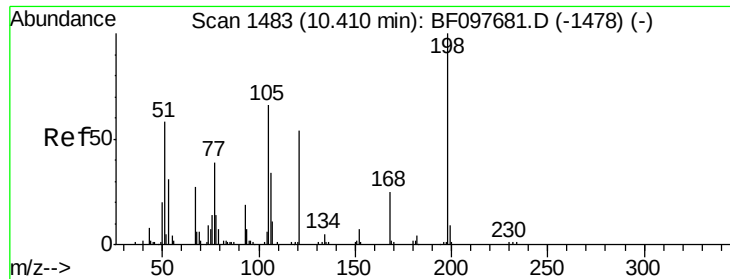
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF097815.D
Acq: 18 Aug 2017 5:31

Tgt Ion:188 Resp: 272180
Ion Ratio Lower Upper
188 100
94 11.4 9.4 14.2
80 11.9 10.2 15.2



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: 8.54 ng

RT: 10.60 min Scan# 1448

Delta R.T. 0.19 min

Lab File: BF097815.D

Acq: 18 Aug 2017 5:31

Instrument :

BNA_F

ClientSampleId :

RMAB-MW-8-GW

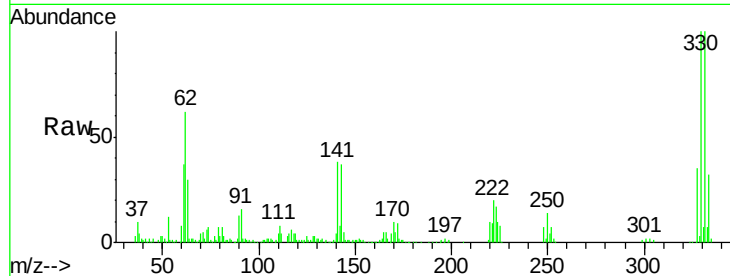
Tot Ion:198 Resp: 338

Ion Ratio Lower Upper

198 100

51 524.6 53.2 93.2#

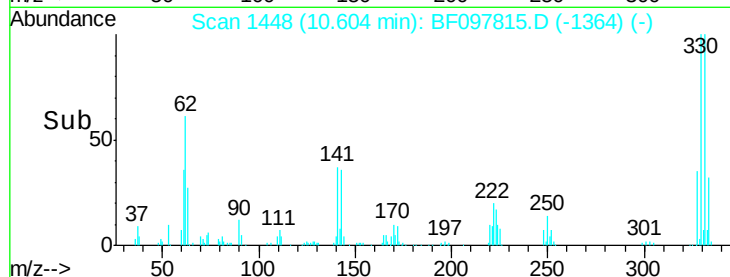
105 796.6 45.8 85.8#



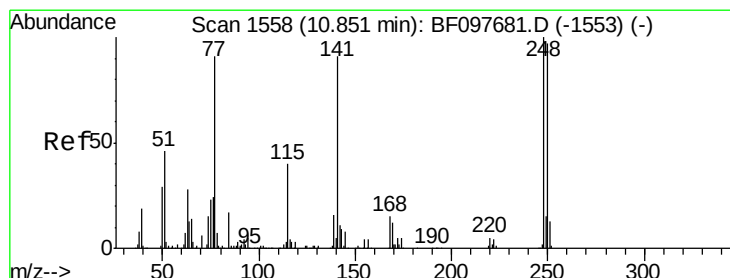
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



Time-->



#66

4-Bromophenyl-phenylether

Concen: 4.20 ng

RT: 10.60 min Scan# 1448

Delta R.T. -0.25 min

Lab File: BF097815.D

Acq: 18 Aug 2017 5:31

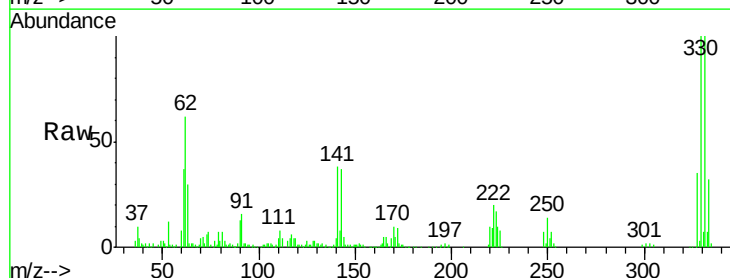
Tgt Ion:248 Resp: 11857

Ion Ratio Lower Upper

248 100

250 192.9 76.8 115.2#

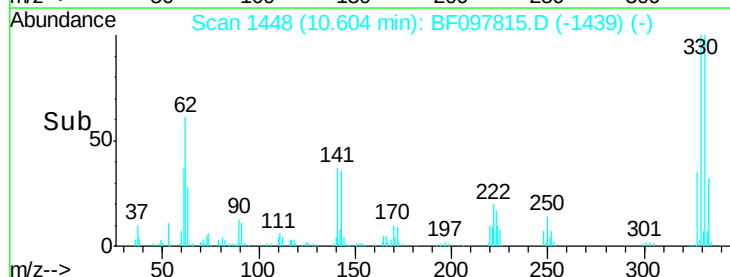
141 534.9 68.6 103.0#



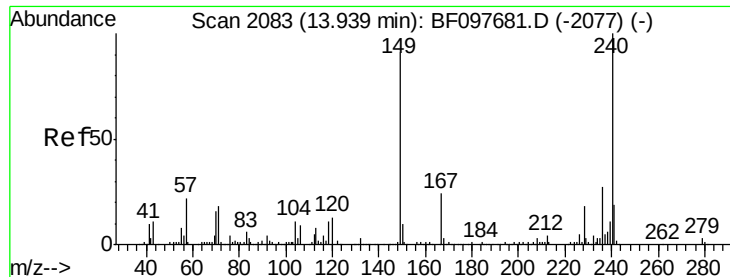
Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 2083

Delta R.T. -0.01 min

Lab File: BF097815.D

Acq: 18 Aug 2017 5:31

Instrument :

BNA_F

ClientSampleId :

RMAB-MW-8-GW

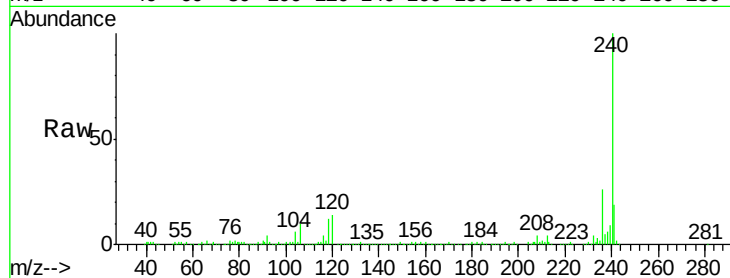
Tot Ion:240 Resp: 290131

Ion Ratio Lower Upper

240 100

120 14.1 5.8 8.8#

236 25.7 20.5 30.7



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

13.93

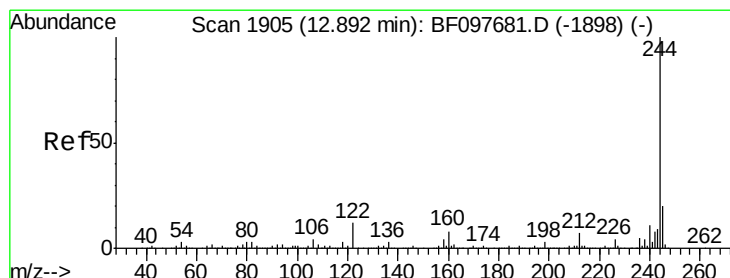
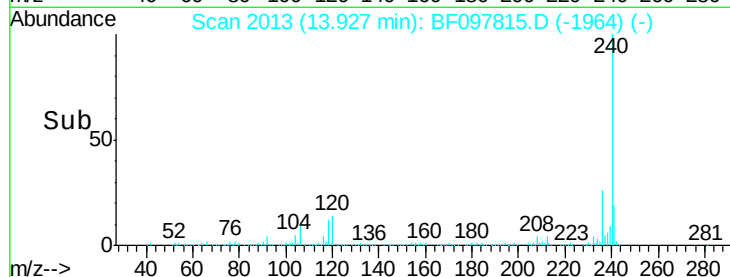
300000

200000

100000

0

Time-->



#78

Terphenyl-d14

Concen: 57.58 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF097815.D

Acq: 18 Aug 2017 5:31

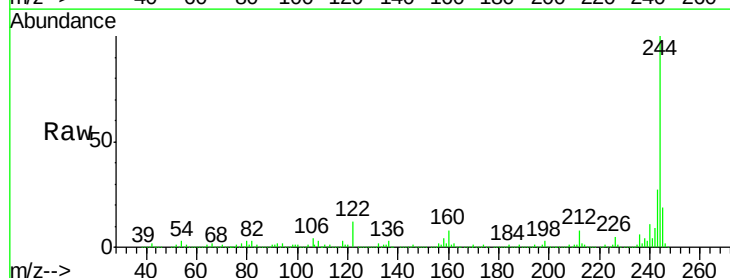
Tgt Ion:244 Resp: 801037

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

122 12.5 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

12.89

1000000

800000

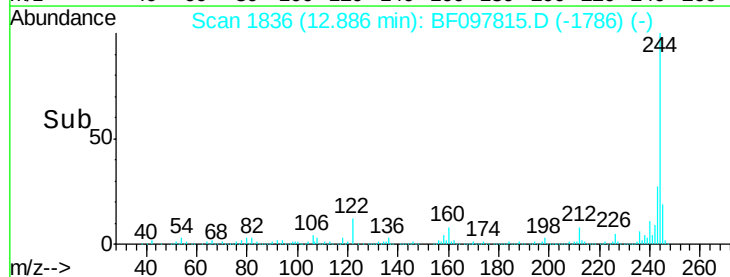
600000

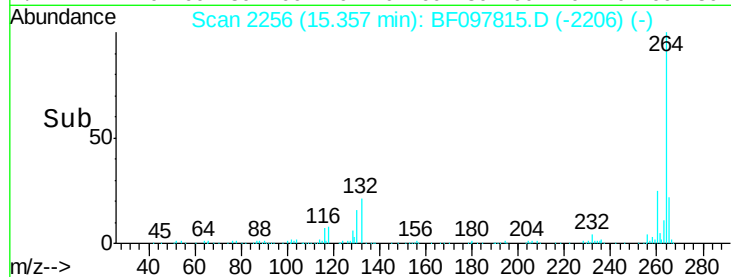
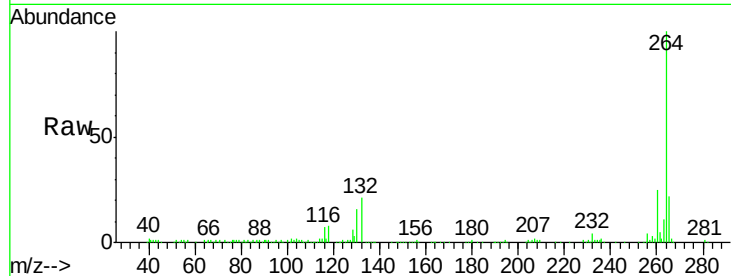
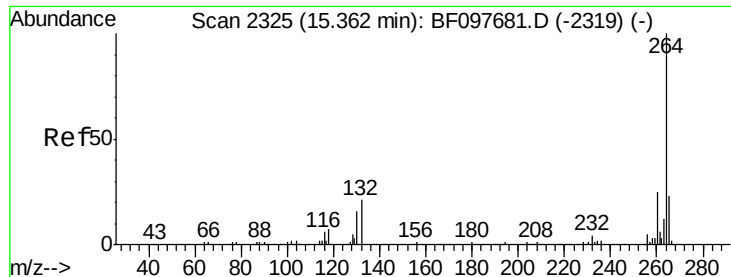
400000

200000

0

Time-->





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 2256
 Delta R.T. -0.01 min
 Lab File: BF097815.D
 Acq: 18 Aug 2017 5:31

Instrument :
 BNA_F
 ClientSampleId :
 RMAB-MW-8-GW

Tot Ion:264	Resp:	201746
Ion	Ratio	Lower Upper
264	100	
260	24.7	19.5 29.3
265	21.7	17.2 25.8

