

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010417\
 Data File : BF092081.D
 Acq On : 4 Jan 2017 21:22
 Operator : UM/SJ
 Sample : I1004-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-30

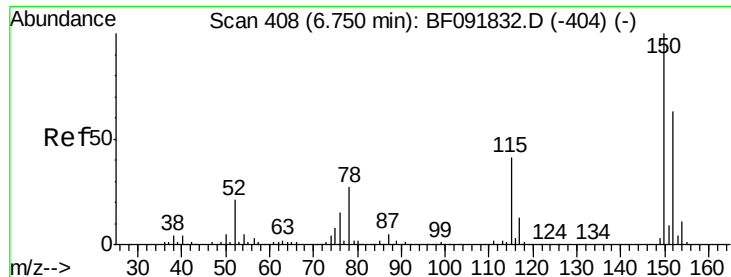
Quant Time: Jan 05 00:06:36 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 28 17:32:10 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	219851	20.00	ng	-0.04
21) Naphthalene-d8	7.94	136	789422	20.00	ng	-0.05
38) Acenaphthene-d10	9.70	164	441417	20.00	ng	-0.05
63) Phenanthrene-d10	11.18	188	623616	20.00	ng	-0.05
75) Chrysene-d12	13.81	240	550887	20.00	ng	-0.06
86) Perylene-d12	15.18	264	452590	20.00	ng	-0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	1147240	87.13	ng	-0.05
7) Phenol-d6	6.32	99	968473	60.25	ng	-0.06
23) Nitrobenzene-d5	7.24	82	1526581	107.53	ng	-0.05
41) 2,4,6-Tribromophenol	10.50	330	511826	140.11	ng	-0.04
44) 2-Fluorobiphenyl	9.03	172	2101406	99.78	ng	-0.05
78) Terphenyl-d14	12.77	244	1799836	79.24	ng	-0.05

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.21	77	2073	Below Cal	#	5
10) Phenol	6.34	94	111328	6.08	ng	65
15) Benzyl Alcohol	6.81	79	31486	2.52	ng	40
18) Hexachloroethane	7.24	117	633276	104.96	ng	4
19) n-Nitroso-di-n-propylamine	7.06	70	56272	5.26	ng	51
24) Nitrobenzene	7.20	77	46779	3.09	ng	16
32) Benzoic acid	7.77	122	20295	2.21	ng	63
35) Caprolactam	8.39	113	18472	5.37	ng	1
37) 2-Methylnaphthalene	8.76	142	470252	17.43	ng	93
47) 2-Nitroaniline	9.29	65	17344	2.04	ng	44
49) Dimethylphthalate	9.43	163	69349	2.46	ng	1
54) Dibenzofuran	9.90	168	71959	2.14	ng	69
55) 4-Nitrophenol	9.90	139	32440	6.25	ng	53
56) 2,4-Dinitrotoluene	9.89	165	28036	3.61	ng	42
57) Fluorene	10.24	166	52468	2.14	ng	88
59) Diethylphthalate	10.12	149	125314	4.57	ng	50
66) 4-Bromophenyl-phenylether	10.49	248	31169	4.80	ng	1
71) Anthracene	11.30	178	3313	Below Cal	#	1
73) Di-n-butylphthalate	11.76	149	9205	Below Cal	#	32
74) Fluoranthene	12.39	202	4444	Below Cal	#	18
76) Benzydine	12.48	184	1231	Below Cal	#	1

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 418

Delta R.T. -0.04 min

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MW-30

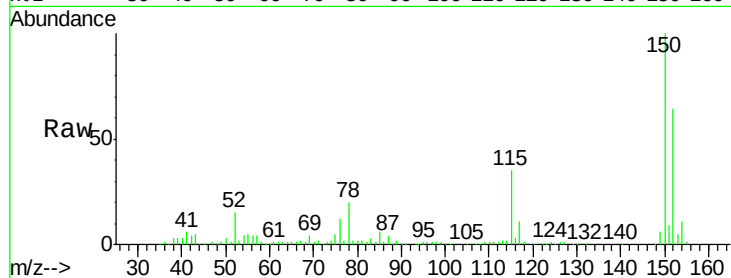
Tgt Ion:152 Resp: 219851

Ion Ratio Lower Upper

152 100

150 155.7 124.9 187.3

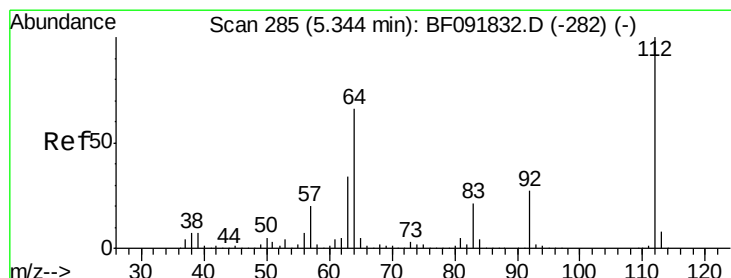
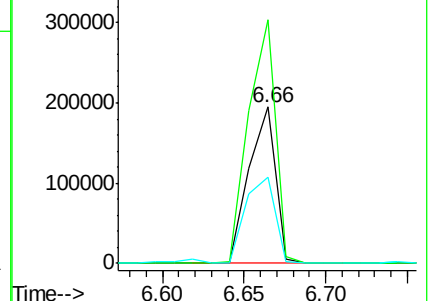
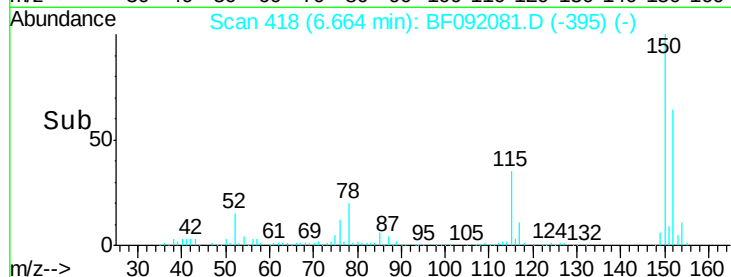
115 55.0 46.0 69.0



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: 87.13 ng

RT: 5.27 min Scan# 296

Delta R.T. -0.05 min

Lab File: BF092081.D

Acq: 4 Jan 2017 21:22

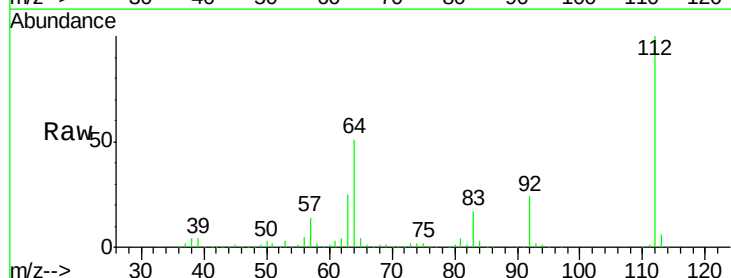
Tgt Ion:112 Resp: 1147240

Ion Ratio Lower Upper

112 100

64 50.9 46.1 69.1

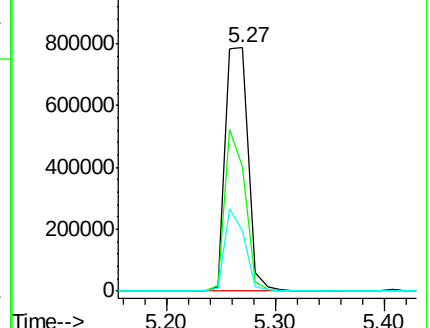
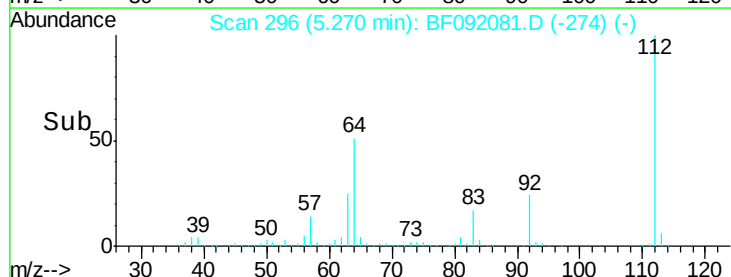
63 24.9 23.8 35.6

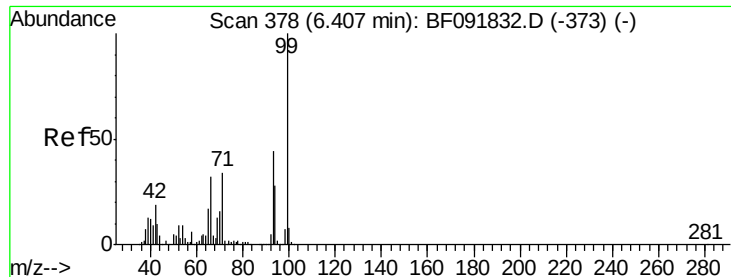


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 60.25 ng

RT: 6.32 min Scan# 388

Delta R.T. -0.06 min

Lab File: BF092081.D

Acq: 4 Jan 2017 21:22

Instrument :

BNA_F

ClientSampleId :

MW-30

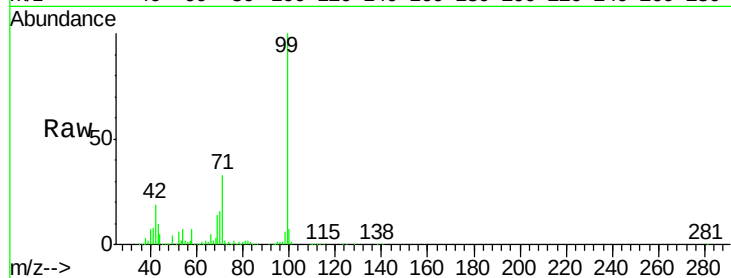
Tgt Ion: 99 Resp: 968473

Ion Ratio Lower Upper

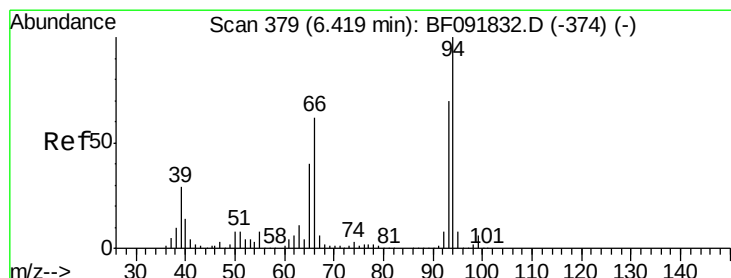
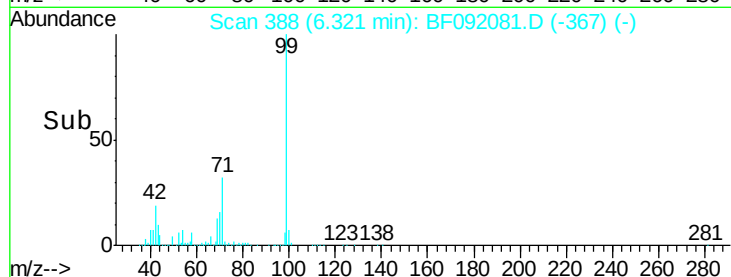
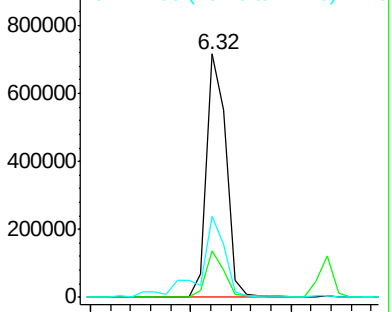
99 100

42 19.3 15.6 23.4

71 33.1 27.5 41.3



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



#10

Phenol

Concen: 6.08 ng

RT: 6.34 min Scan# 390

Delta R.T. -0.05 min

Lab File: BF092081.D

Acq: 4 Jan 2017 21:22

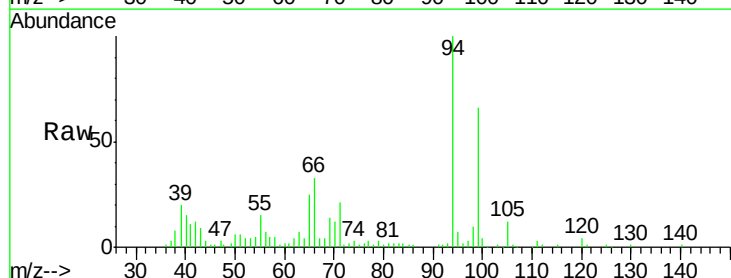
Tgt Ion: 94 Resp: 111328

Ion Ratio Lower Upper

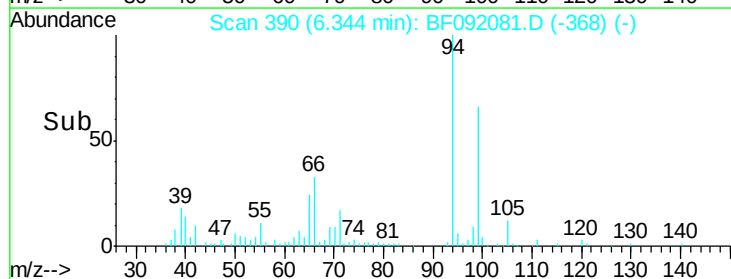
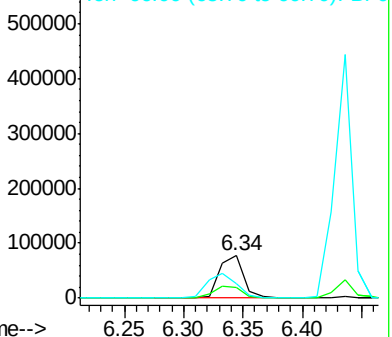
94 100

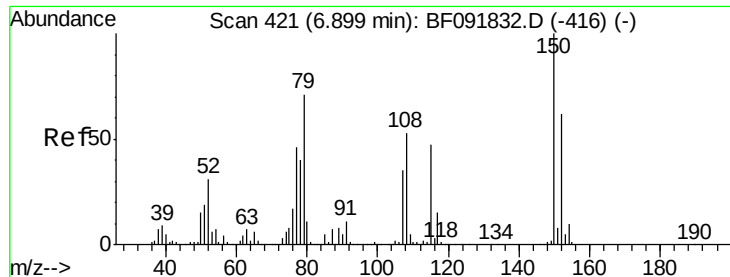
65 24.8 21.4 61.4

66 32.7 44.0 84.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

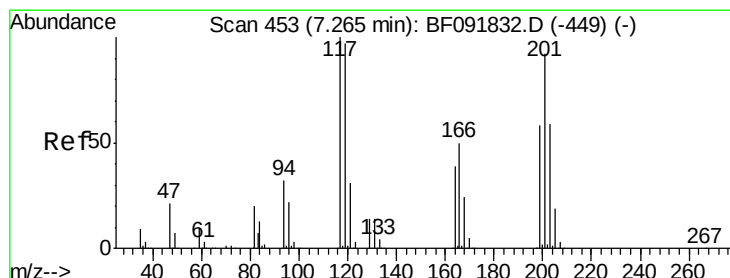
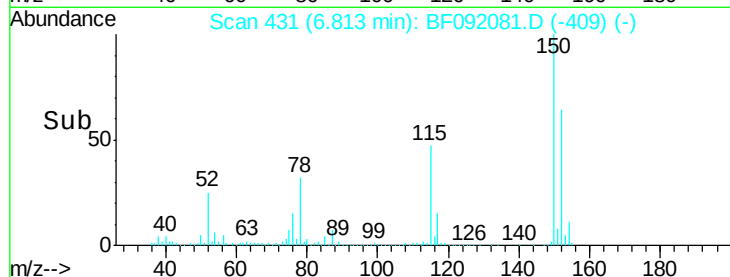
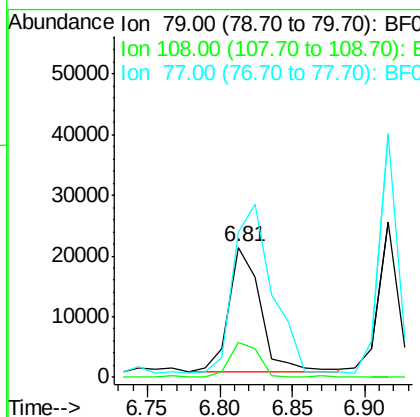
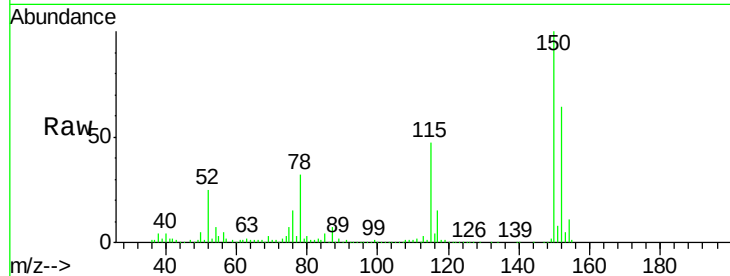




#15
Benzyl Alcohol
Concen: 2.52 ng
RT: 6.81 min Scan# 431
Delta R.T. -0.05 min
Lab File: BF092081.D
Acq: 4 Jan 2017 21:22

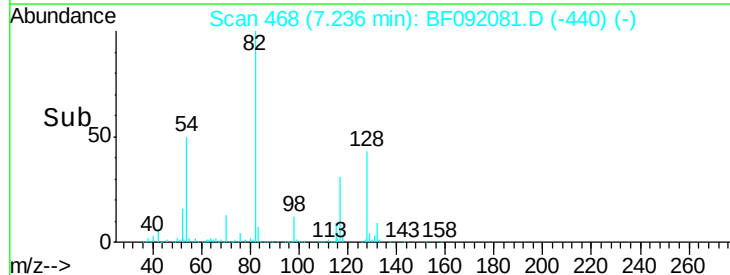
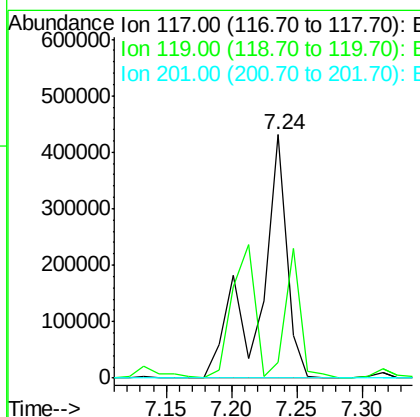
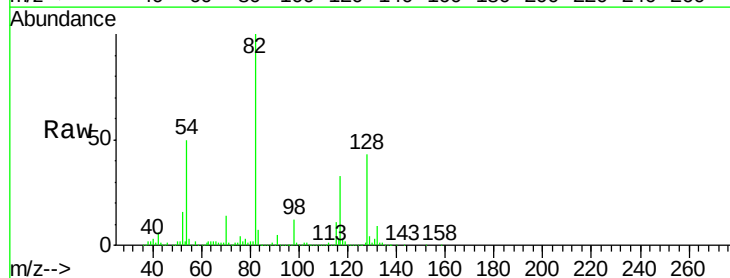
Instrument :
BNA_F
ClientSampled :
MW-30

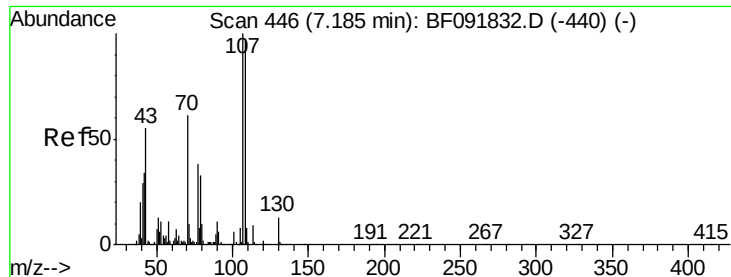
Tgt Ion: 79 Resp: 31486
Ion Ratio Lower Upper
79 100
108 26.4 61.4 92.0#
77 111.5 50.9 76.3#



#18
Hexachloroethane
Concen: 104.96 ng
RT: 7.24 min Scan# 468
Delta R.T. 0.02 min
Lab File: BF092081.D
Acq: 4 Jan 2017 21:22

Tgt Ion: 117 Resp: 633276
Ion Ratio Lower Upper
117 100
119 6.4 78.1 117.1#
201 0.0 78.6 117.8#

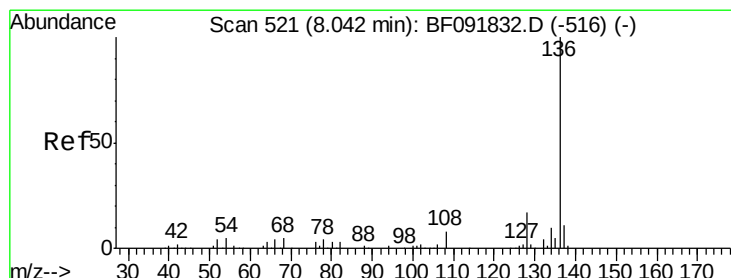
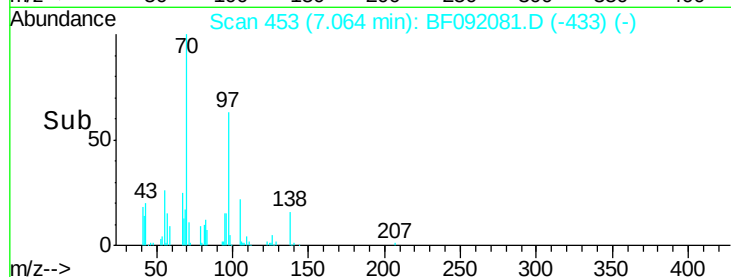
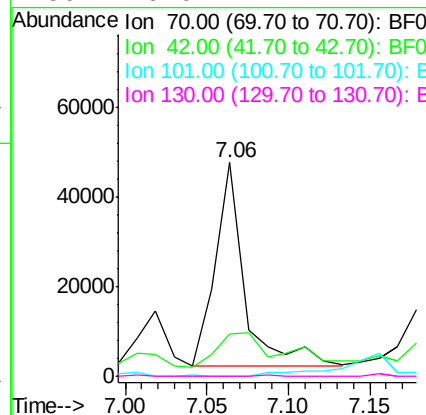
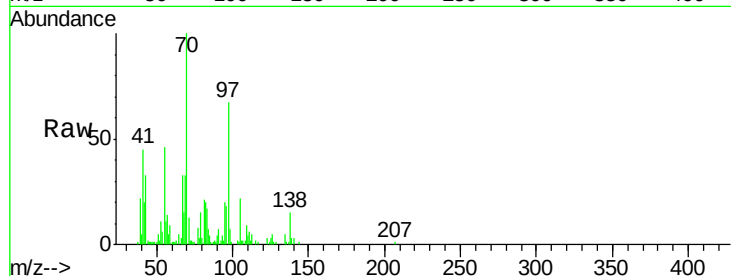




#19
n-Nitroso-di-n-propylamine
Concen: 5.26 ng
RT: 7.06 min Scan# 453
Delta R.T. -0.07 min
Lab File: BF092081.D
Acq: 4 Jan 2017 21:22

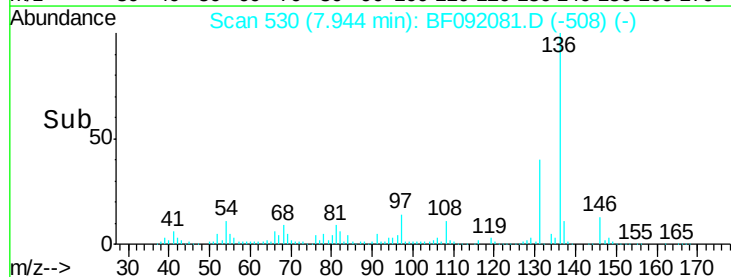
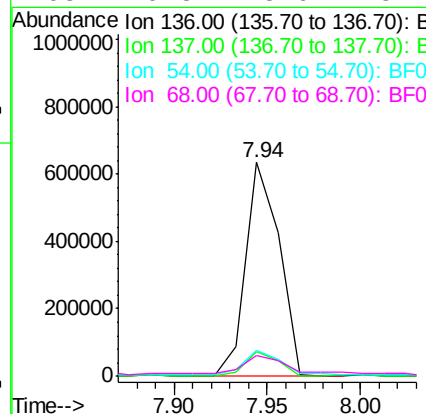
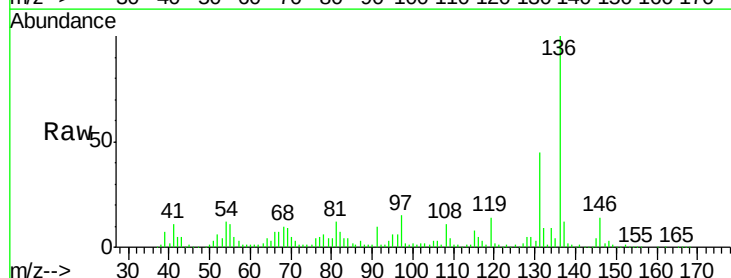
Instrument :
BNA_F
ClientSampleId :
MW-30

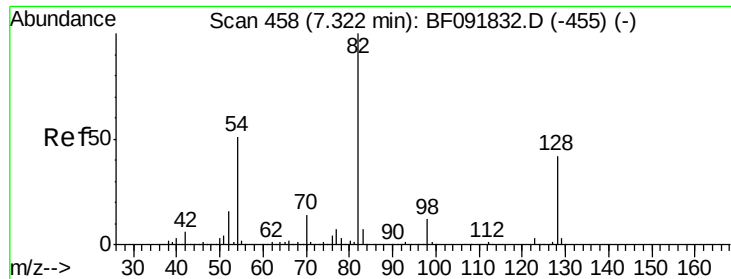
Tgt Ion: 70 Resp: 56272
Ion Ratio Lower Upper
70 100
42 19.7 49.4 74.0#
101 0.0 7.4 11.2#
130 0.0 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.94 min Scan# 530
Delta R.T. -0.05 min
Lab File: BF092081.D
Acq: 4 Jan 2017 21:22

Tgt Ion: 136 Resp: 789422
Ion Ratio Lower Upper
136 100
137 11.6 8.4 12.6
54 11.9 4.5 6.7#
68 9.8 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 107.53 ng

RT: 7.24 min Scan# 468

Delta R.T. -0.05 min

Lab File: BF092081.D

Acq: 4 Jan 2017 21:22

Instrument :

BNA_F

ClientSampleId :

MW-30

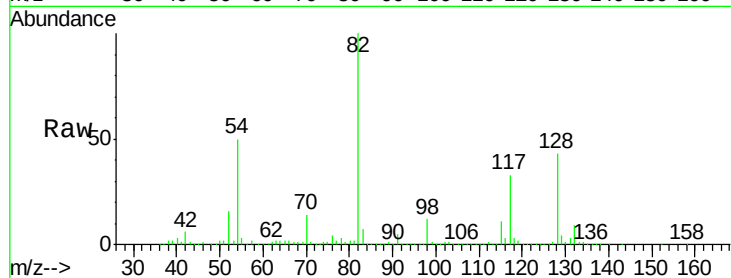
Tgt Ion: 82 Resp: 1526581

Ion Ratio Lower Upper

82 100

128 43.3 34.6 52.0

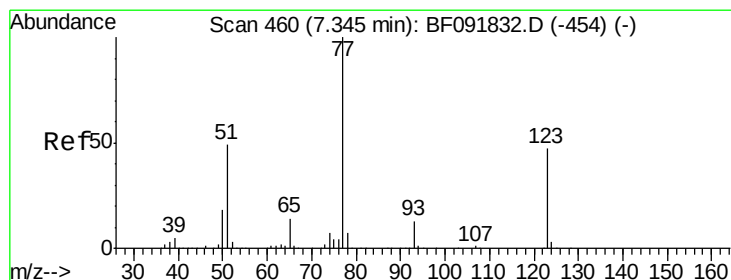
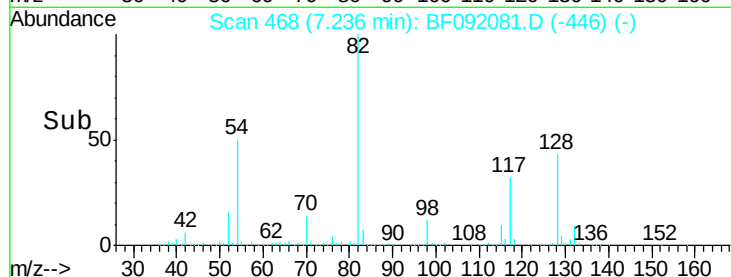
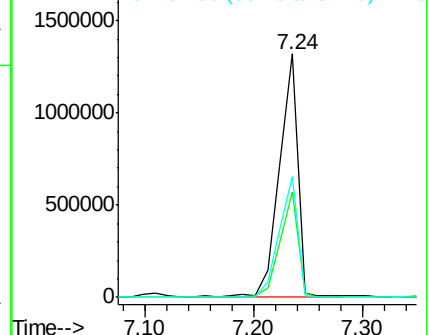
54 49.5 39.5 59.3



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



#24

Nitrobenzene

Concen: 3.09 ng

RT: 7.20 min Scan# 465

Delta R.T. -0.10 min

Lab File: BF092081.D

Acq: 4 Jan 2017 21:22

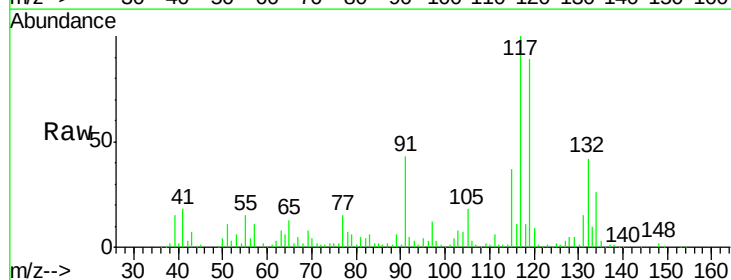
Tgt Ion: 77 Resp: 46779

Ion Ratio Lower Upper

77 100

123 5.7 33.0 49.4#

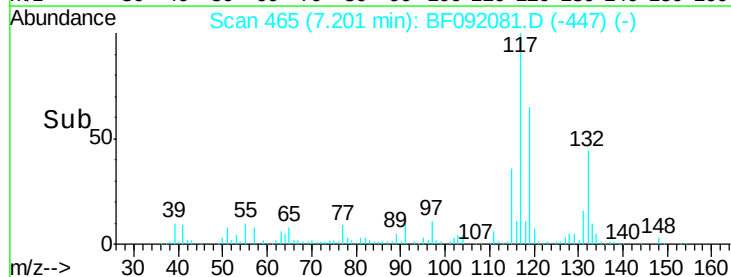
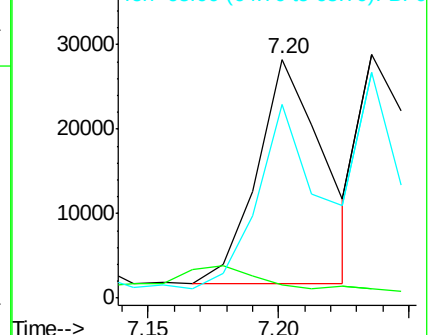
65 81.4 11.2 16.8#

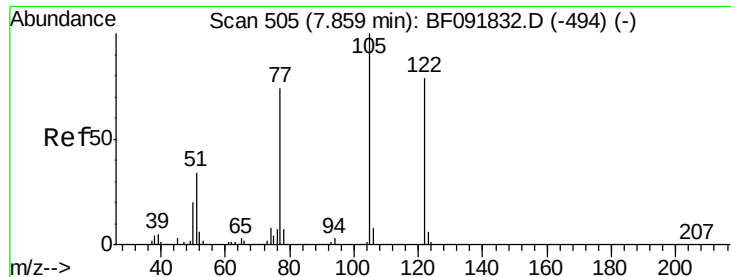


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#32

Benzoic acid

Concen: 2.21 ng

RT: 7.77 min Scan# 515

Delta R.T. -0.06 min

Lab File: BF092081.D

Acq: 4 Jan 2017 21:22

Instrument :

BNA_F

ClientSampled :

MW-30

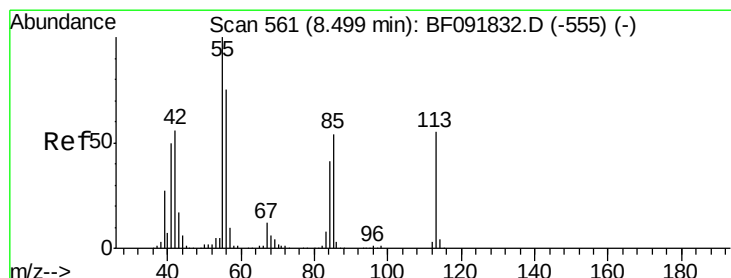
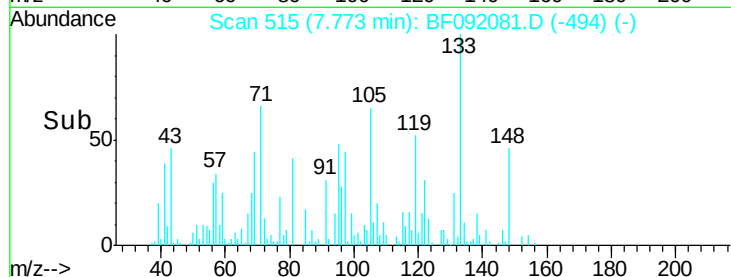
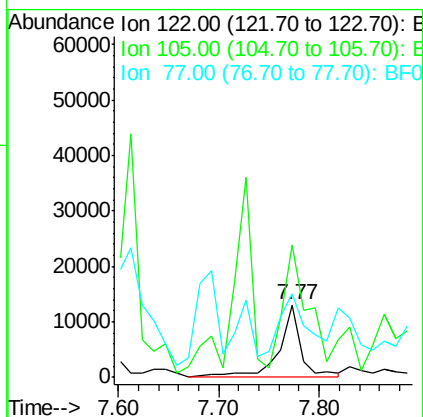
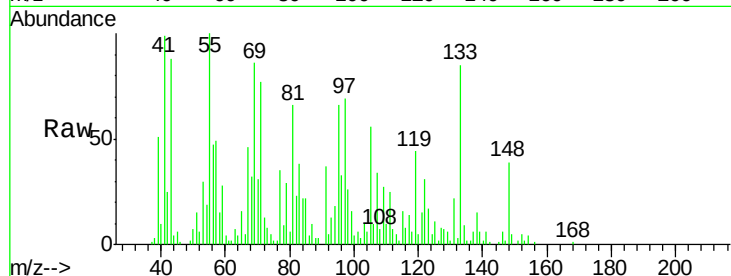
Tgt Ion:122 Resp: 20295

Ion Ratio Lower Upper

122 100

105 183.5 107.2 147.2#

77 115.2 74.5 114.5#



#35

Caprolactam

Concen: 5.37 ng

RT: 8.39 min Scan# 569

Delta R.T. -0.09 min

Lab File: BF092081.D

Acq: 4 Jan 2017 21:22

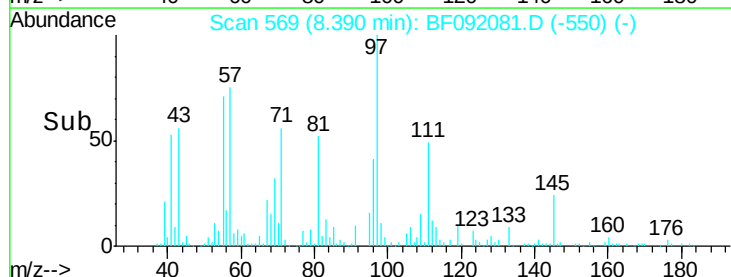
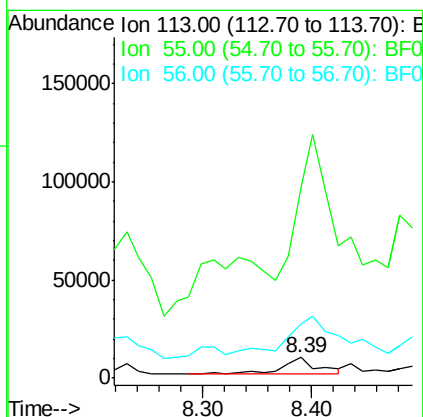
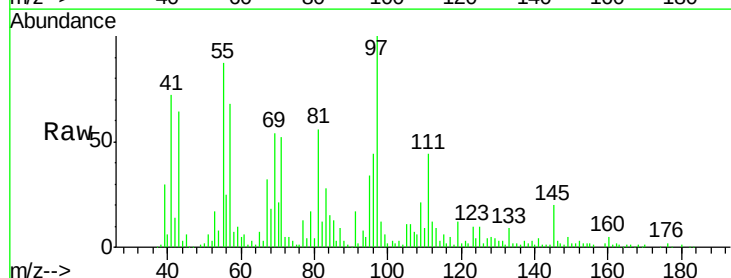
Tgt Ion:113 Resp: 18472

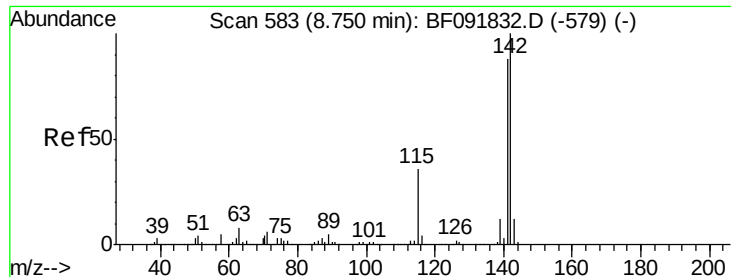
Ion Ratio Lower Upper

113 100

55 929.8 119.2 159.2#

56 265.2 83.8 123.8#

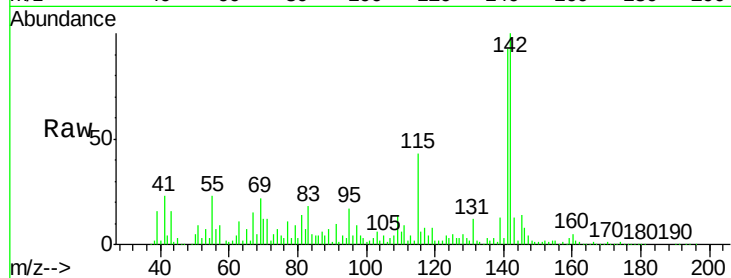




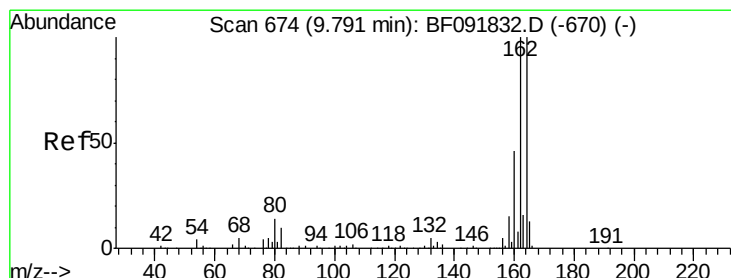
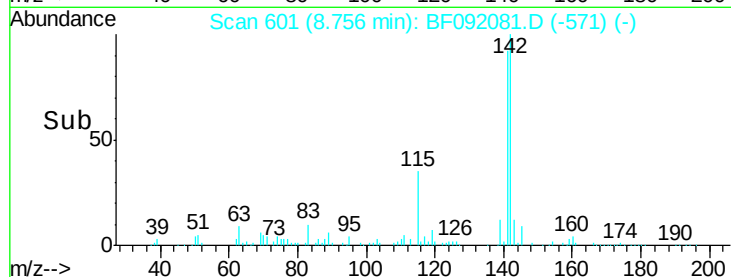
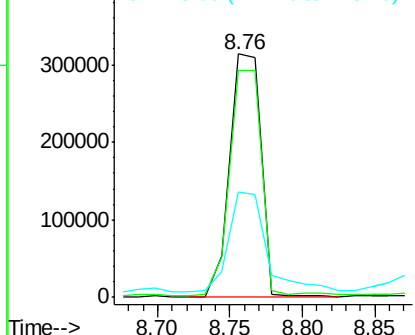
#37
 2-Methylnaphthalene
 Concen: 17.43 ng
 RT: 8.76 min Scan# 601
 Delta R.T. 0.04 min
 Lab File: BF092081.D
 Acq: 4 Jan 2017 21:22

Instrument :
 BNA_F
 ClientSampled :
 MW-30

Tgt Ion:142 Resp: 470252
 Ion Ratio Lower Upper
 142 100
 141 93.5 71.0 106.6
 115 43.4 28.3 42.5#

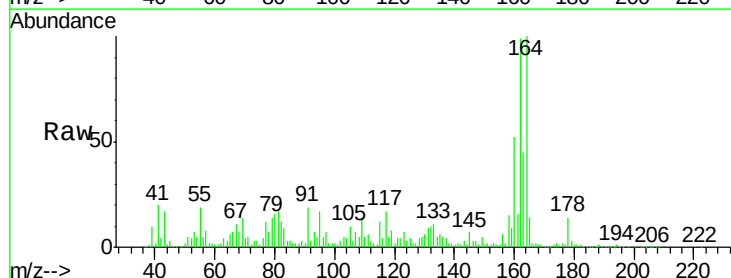


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

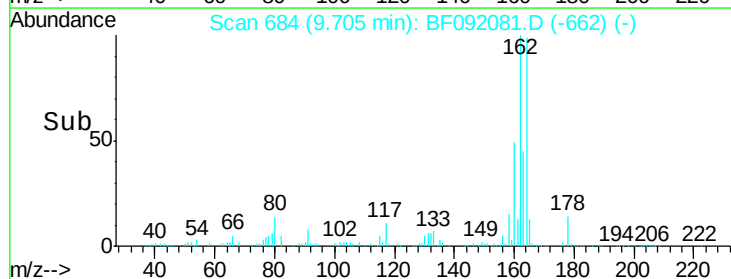
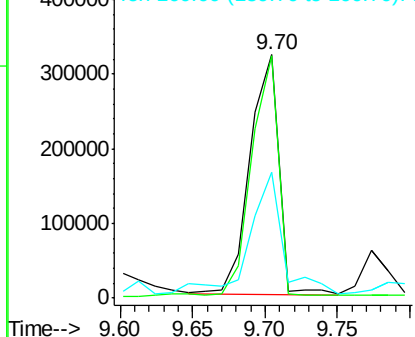


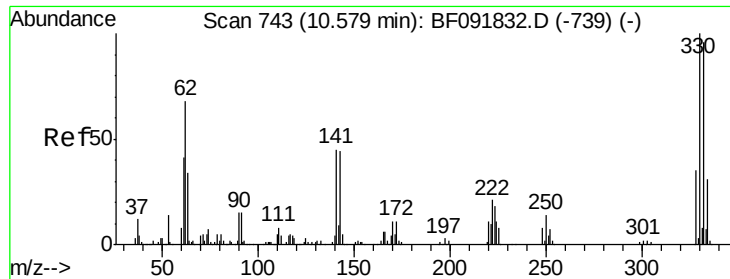
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.70 min Scan# 684
 Delta R.T. -0.05 min
 Lab File: BF092081.D
 Acq: 4 Jan 2017 21:22

Tgt Ion:164 Resp: 441417
 Ion Ratio Lower Upper
 164 100
 162 99.3 80.2 120.2
 160 52.0 36.9 55.3



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

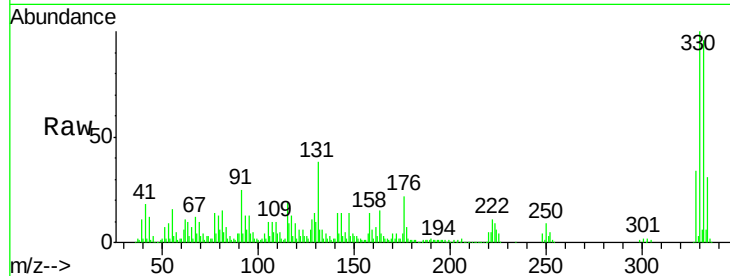




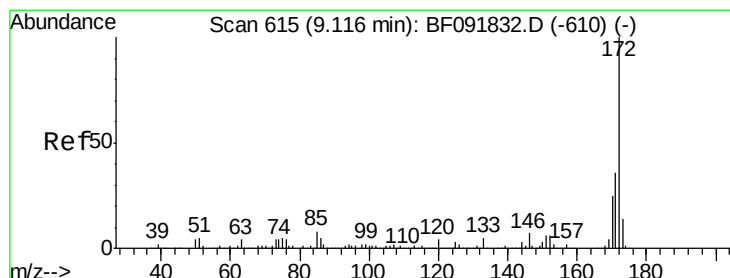
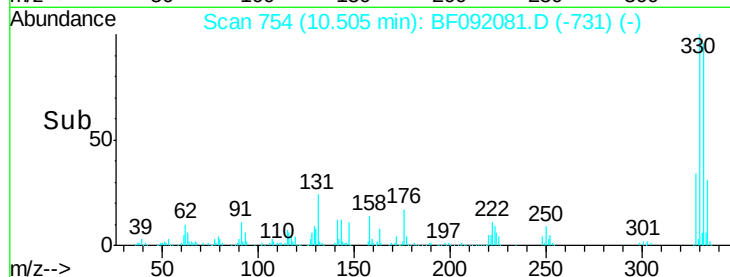
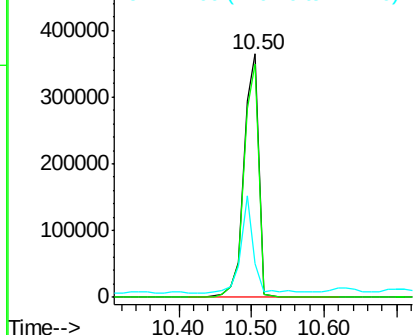
#41
 2,4,6-Tribromophenol
 Concen: 140.11 ng
 RT: 10.50 min Scan# 754
 Delta R.T. -0.04 min
 Lab File: BF092081.D
 Acq: 4 Jan 2017 21:22

Instrument :
 BNA_F
 ClientSampleId :
 MW-30

Tgt Ion:330 Resp: 511826
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.4 116.2
 141 33.6 34.1 51.1#

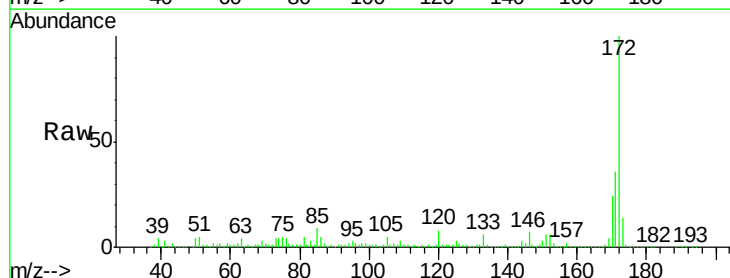


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

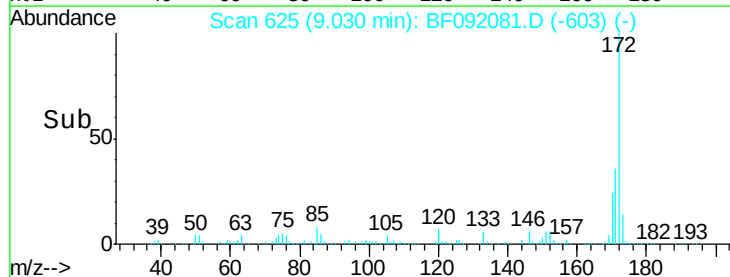
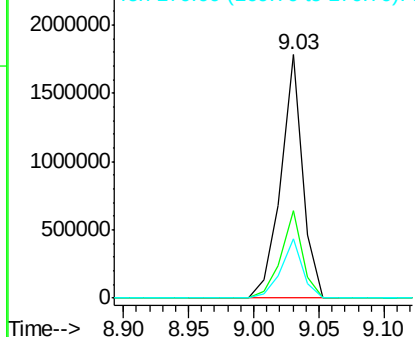


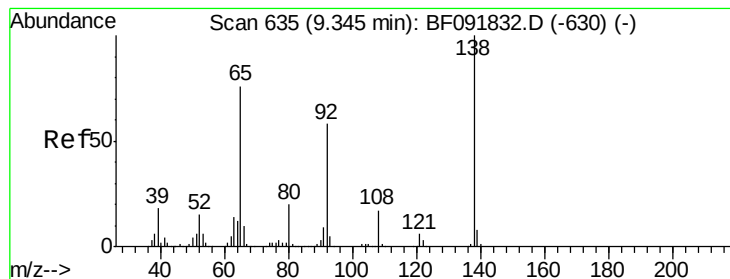
#44
 2-Fluorobiphenyl
 Concen: 99.78 ng
 RT: 9.03 min Scan# 625
 Delta R.T. -0.05 min
 Lab File: BF092081.D
 Acq: 4 Jan 2017 21:22

Tgt Ion:172 Resp: 2101406
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.4 44.0
 170 24.5 20.2 30.4



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: 2.04 ng

RT: 9.29 min Scan# 648

Delta R.T. -0.02 min

Lab File: BF092081.D

Acq: 4 Jan 2017 21:22

Instrument :

BNA_F

ClientSampleId :

MW-30

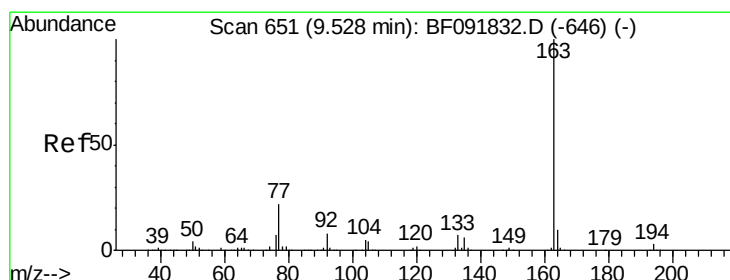
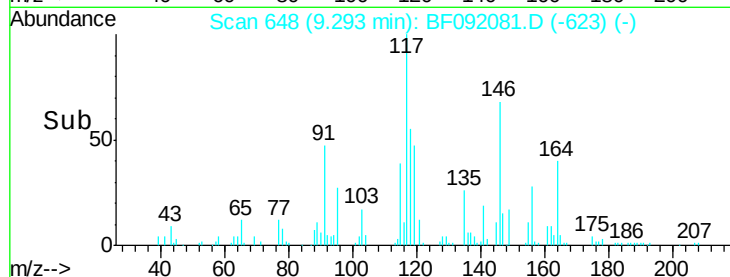
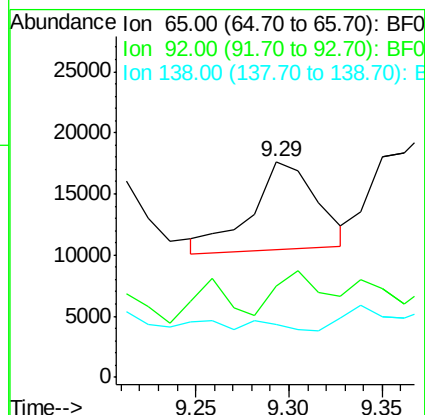
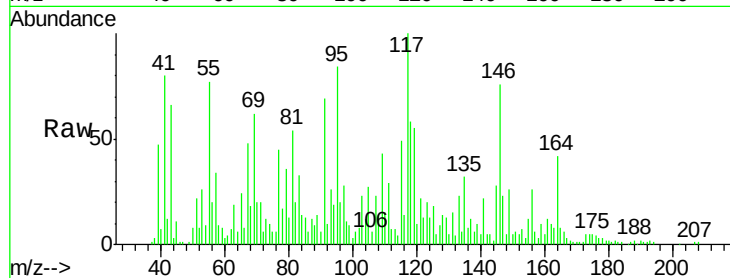
Tgt Ion: 65 Resp: 17344

Ion Ratio Lower Upper

65 100

92 42.1 53.9 80.9#

138 24.5 76.8 115.2#



#49

Dimethylphthalate

Concen: 2.46 ng

RT: 9.43 min Scan# 660

Delta R.T. -0.06 min

Lab File: BF092081.D

Acq: 4 Jan 2017 21:22

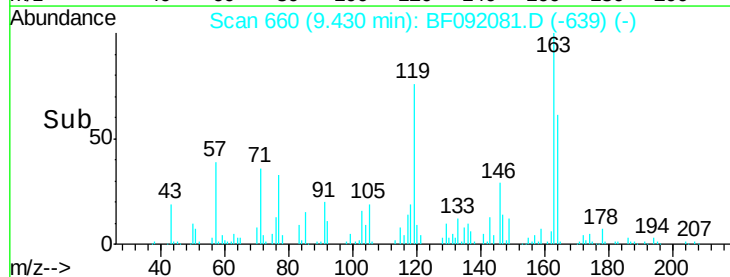
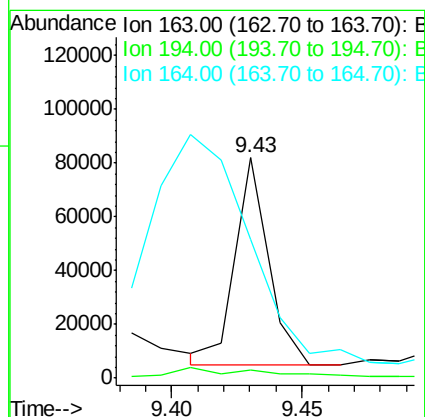
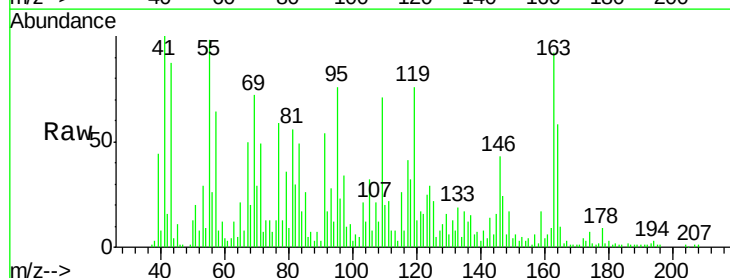
Tgt Ion: 163 Resp: 69349

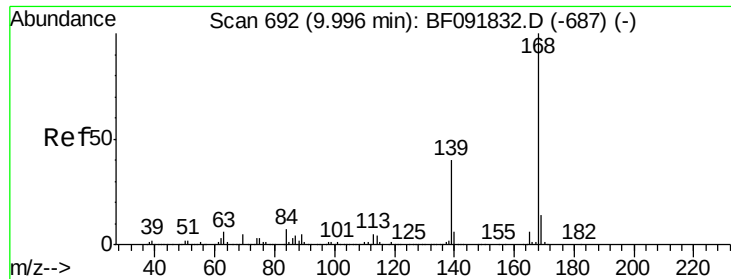
Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.4

164 63.0 8.0 12.0#





#54

Dibenzofuran

Concen: 2.14 ng

RT: 9.90 min Scan# 701

Delta R.T. -0.06 min

Lab File: BF092081.D

Acq: 4 Jan 2017 21:22

Instrument :

BNA_F

ClientSampleId :

MW-30

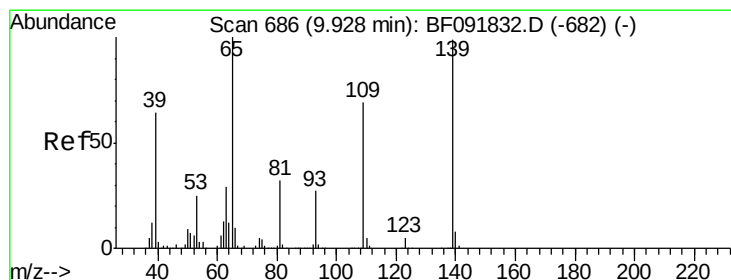
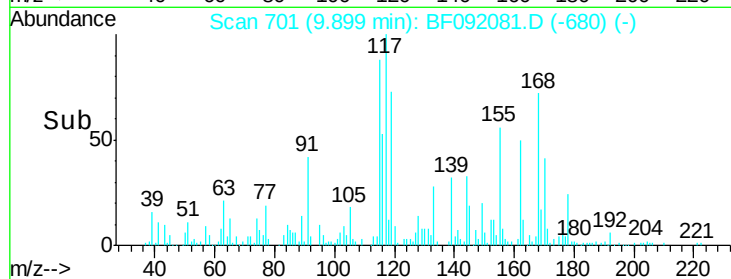
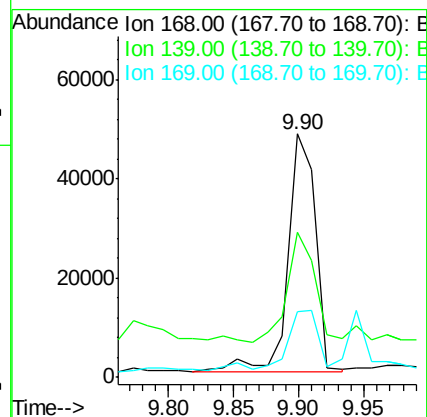
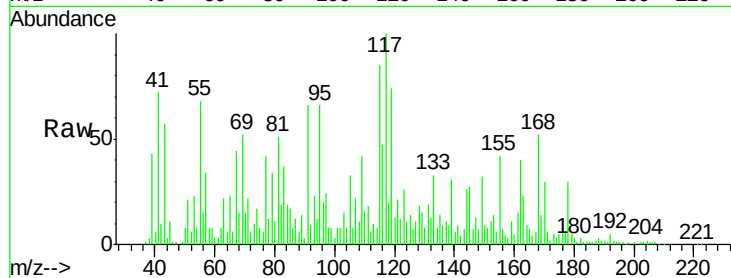
Tgt Ion:168 Resp: 71959

Ion Ratio Lower Upper

168 100

139 59.7 32.6 49.0#

169 26.8 11.3 16.9#



#55

4-Nitrophenol

Concen: 6.25 ng

RT: 9.90 min Scan# 701

Delta R.T. -0.01 min

Lab File: BF092081.D

Acq: 4 Jan 2017 21:22

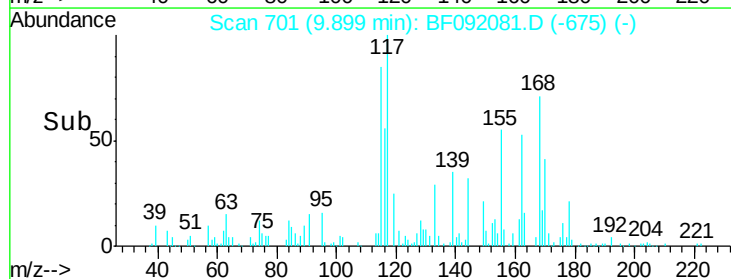
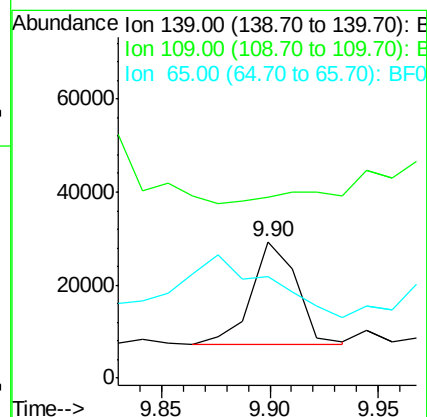
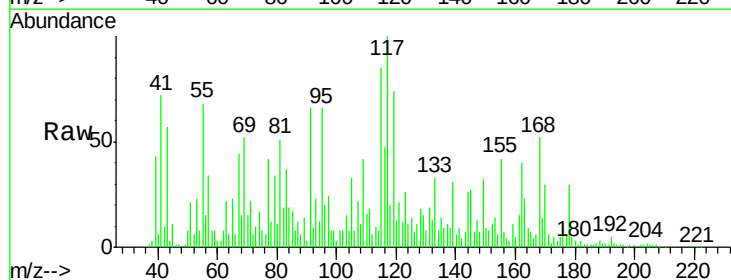
Tgt Ion:139 Resp: 32440

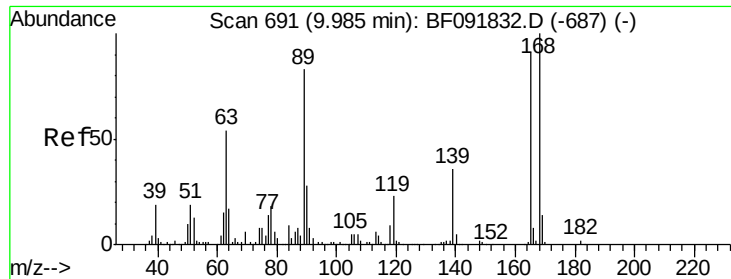
Ion Ratio Lower Upper

139 100

109 132.8 52.2 92.2#

65 74.8 85.8 125.8#

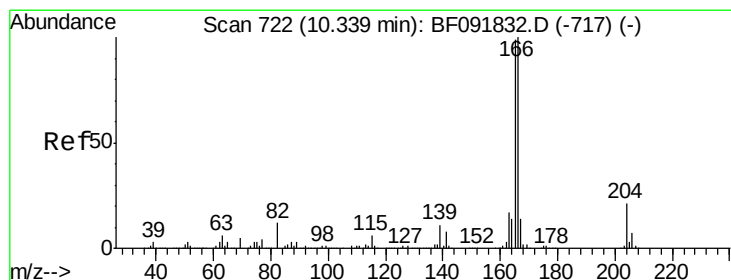
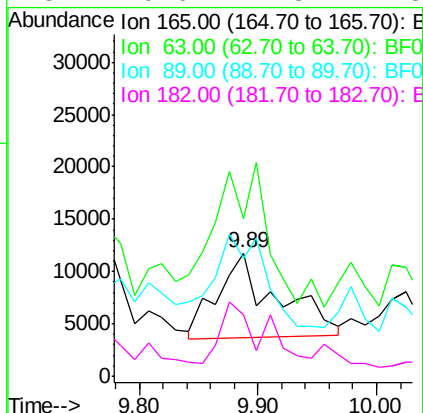
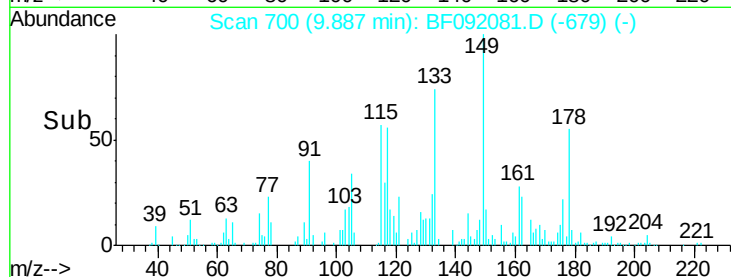
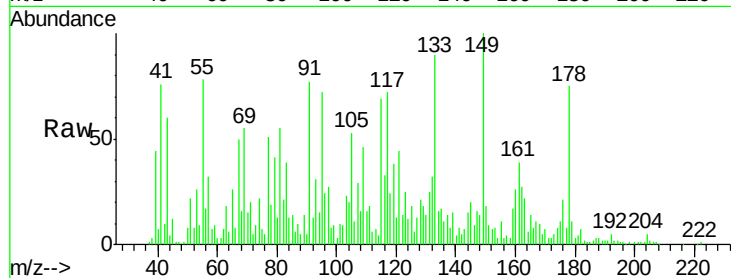




#56
2,4-Dinitrotoluene
Concen: 3.61 ng
RT: 9.89 min Scan# 700
Delta R.T. -0.06 min
Lab File: BF092081.D
Acq: 4 Jan 2017 21:22

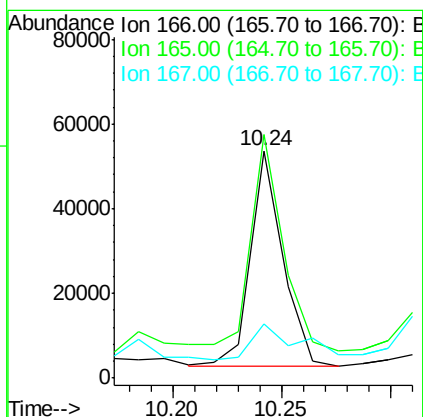
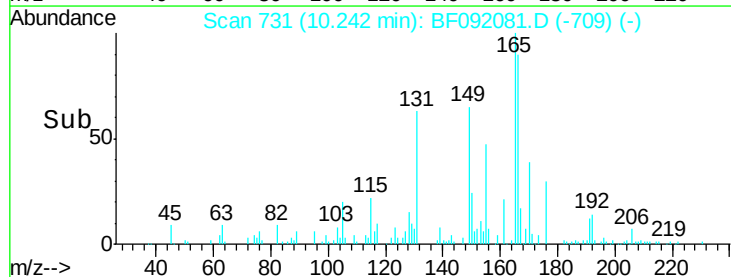
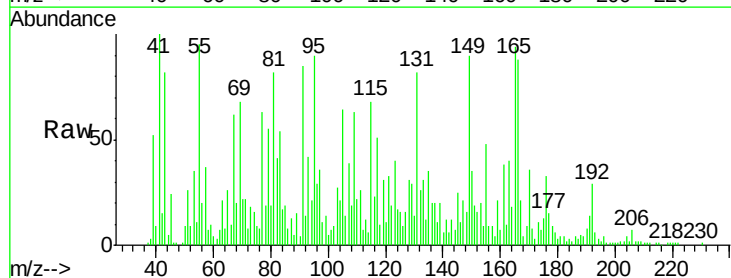
Instrument :
BNA_F
ClientSampleId :
MW-30

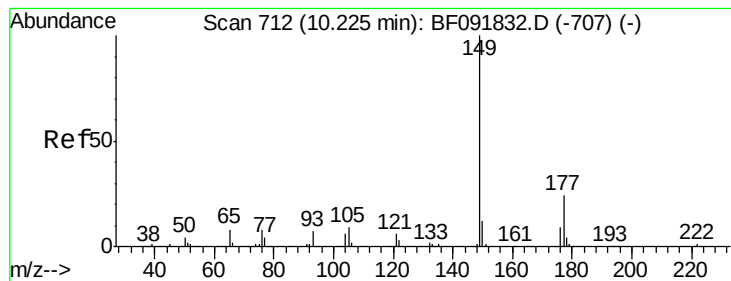
Tgt Ion:165 Resp: 28036
Ion Ratio Lower Upper
165 100
63 128.1 40.2 60.4#
89 95.4 62.5 93.7#
182 49.6 1.8 2.8#



#57
Fluorene
Concen: 2.14 ng
RT: 10.24 min Scan# 731
Delta R.T. -0.05 min
Lab File: BF092081.D
Acq: 4 Jan 2017 21:22

Tgt Ion:166 Resp: 52468
Ion Ratio Lower Upper
166 100
165 107.2 77.8 116.8
167 23.7 10.8 16.2#





#59

Diethylphthalate

Concen: 4.57 ng

RT: 10.12 min Scan# 720

Delta R.T. -0.06 min

Lab File: BF092081.D

Acq: 4 Jan 2017 21:22

Instrument :

BNA_F

ClientSampleId :

MW-30

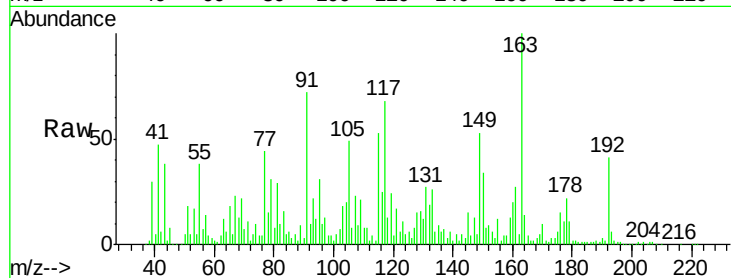
Tgt Ion:149 Resp: 125314

Ion Ratio Lower Upper

149 100

177 20.3 16.6 25.0

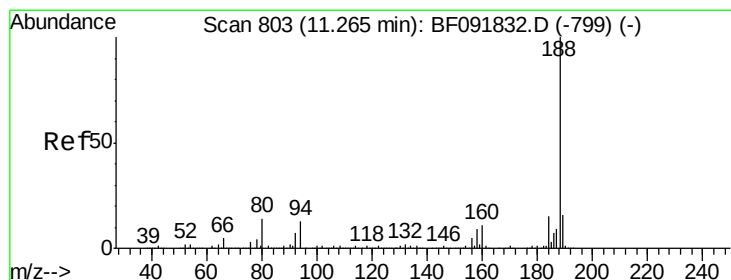
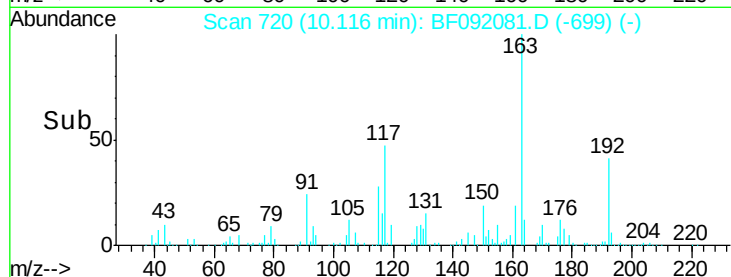
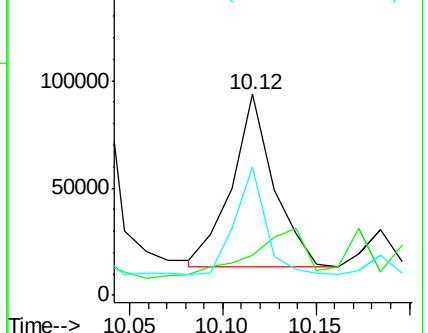
150 63.8 10.4 15.6#



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: 11.18 min Scan# 813

Delta R.T. -0.05 min

Lab File: BF092081.D

Acq: 4 Jan 2017 21:22

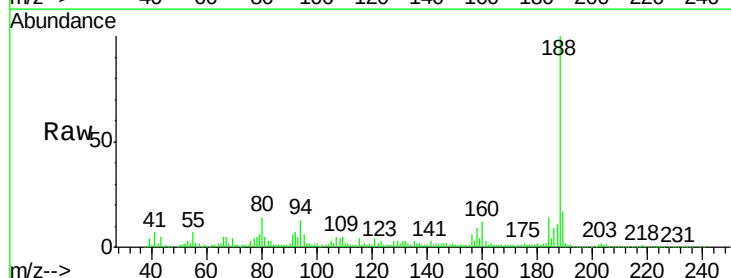
Tgt Ion:188 Resp: 623616

Ion Ratio Lower Upper

188 100

94 13.3 10.0 15.0

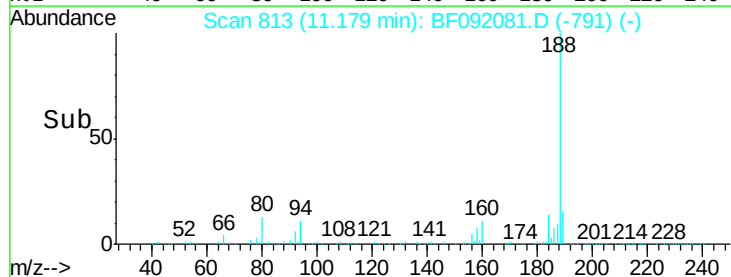
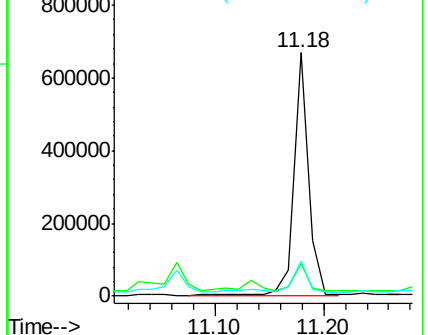
80 14.4 11.2 16.8

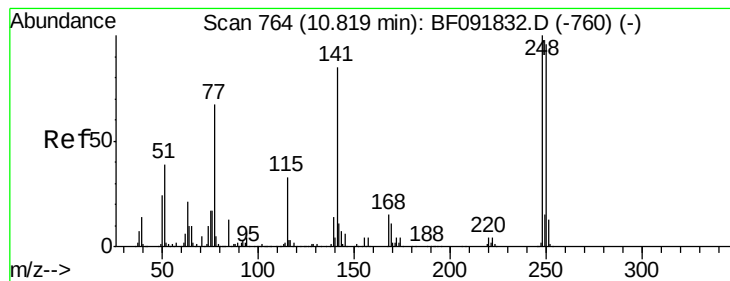


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 4.80 ng

RT: 10.49 min Scan# 753

Delta R.T. -0.29 min

Lab File: BF092081.D

Acq: 4 Jan 2017 21:22

Instrument :

BNA_F

ClientSampleId :

MW-30

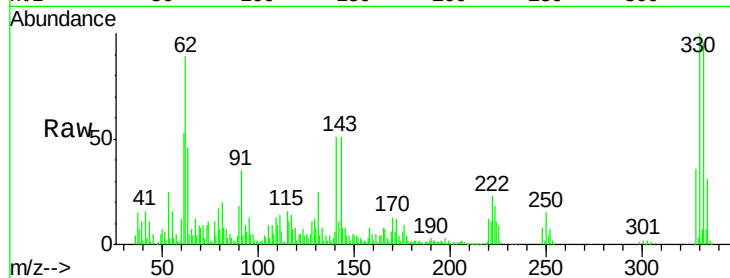
Tgt Ion:248 Resp: 31169

Ion Ratio Lower Upper

248 100

250 193.5 76.9 115.3#

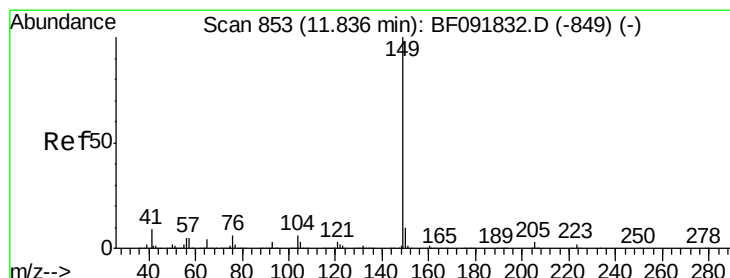
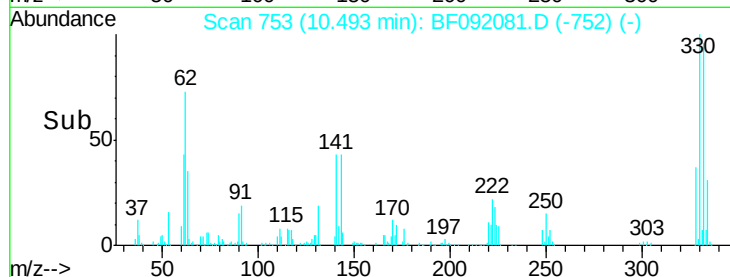
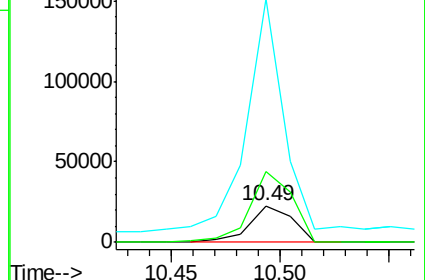
141 662.4 68.2 102.4#



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



#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.76 min Scan# 864

Delta R.T. -0.04 min

Lab File: BF092081.D

Acq: 4 Jan 2017 21:22

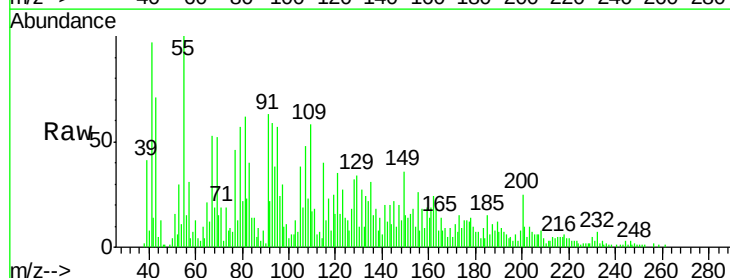
Tgt Ion:149 Resp: 9205

Ion Ratio Lower Upper

149 100

150 41.7 8.1 12.1#

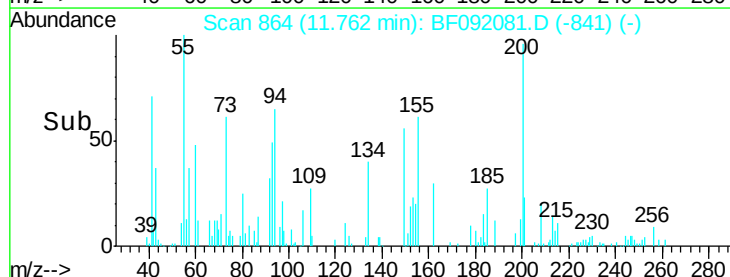
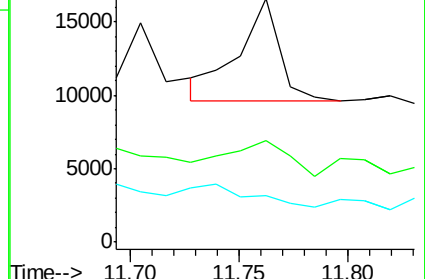
104 19.0 4.6 7.0#

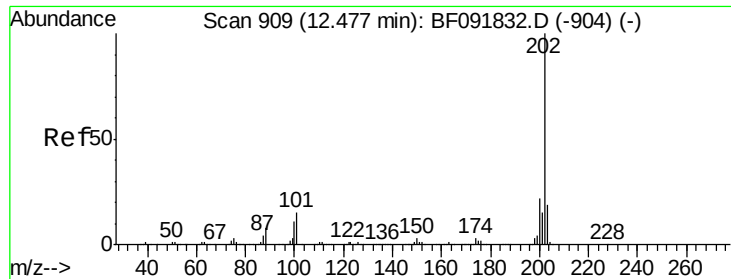


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

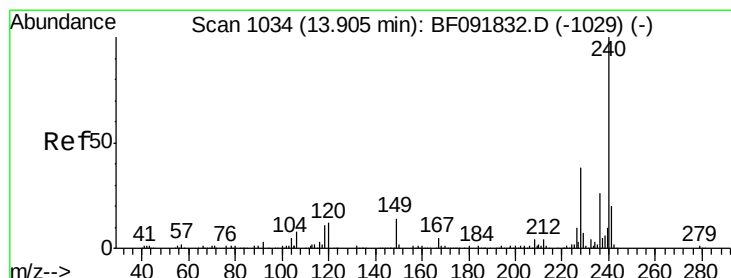
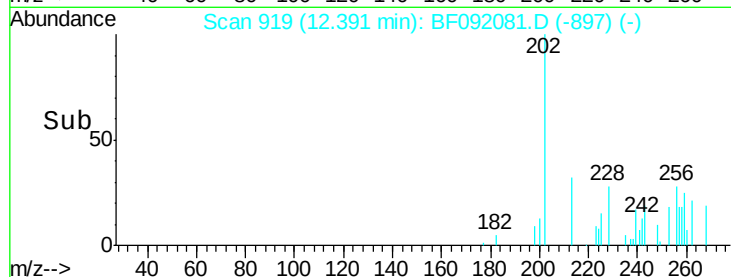
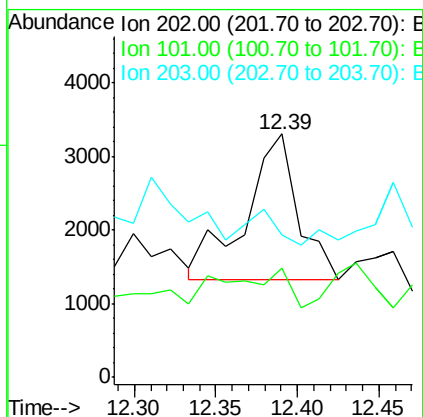
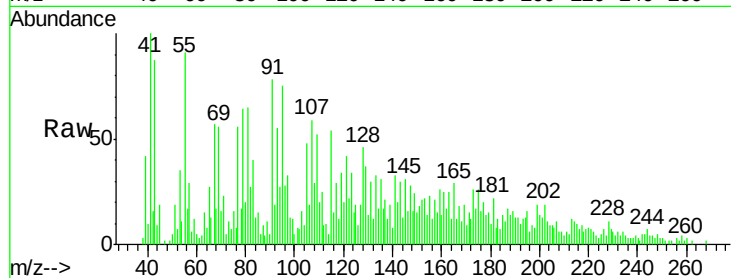




#74
Fluoranthene
Concen: Below Cal
RT: 12.39 min Scan# 919
Delta R.T. -0.05 min
Lab File: BF092081.D
Acq: 4 Jan 2017 21:22

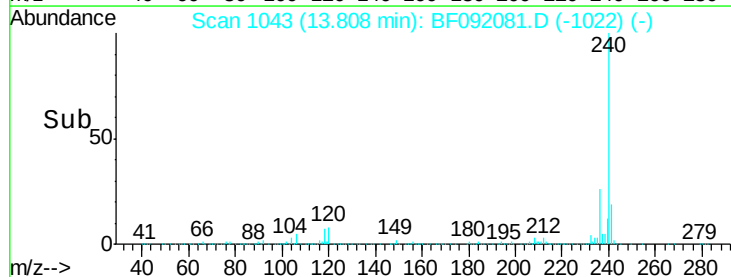
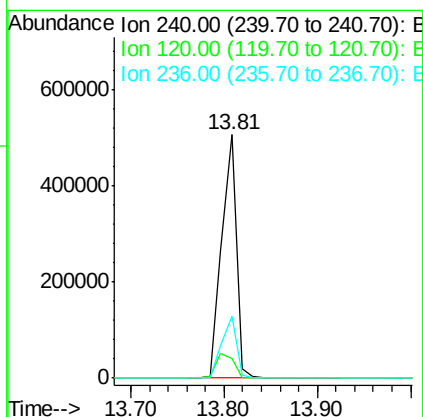
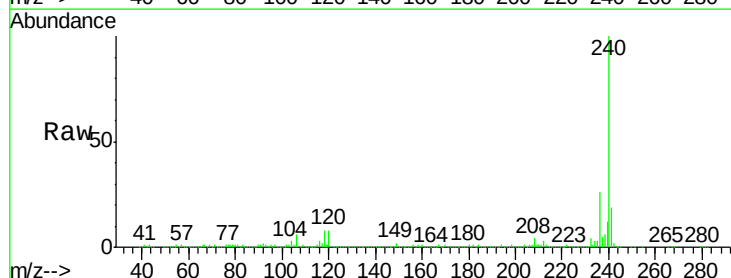
Instrument :
BNA_F
ClientSampleId :
MW-30

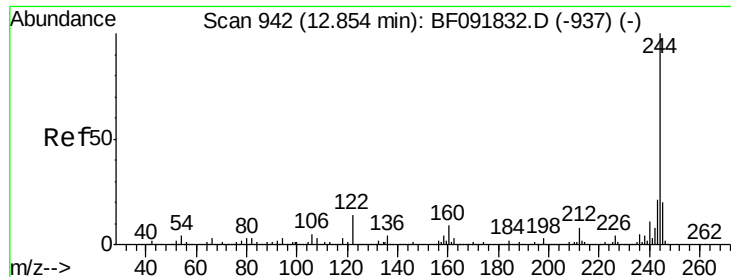
Tgt Ion:202 Resp: 4444
Ion Ratio Lower Upper
202 100
101 44.8 0.0 34.6#
203 58.3 0.0 38.7#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.81 min Scan# 1043
Delta R.T. -0.06 min
Lab File: BF092081.D
Acq: 4 Jan 2017 21:22

Tgt Ion:240 Resp: 550887
Ion Ratio Lower Upper
240 100
120 8.1 12.9 19.3#
236 25.6 20.9 31.3





#78

Terphenyl-d14

Concen: 79.24 ng

RT: 12.77 min Scan# 952

Delta R.T. -0.05 min

Lab File: BF092081.D

Acq: 4 Jan 2017 21:22

Instrument :

BNA_F

ClientSampleId :

MW-30

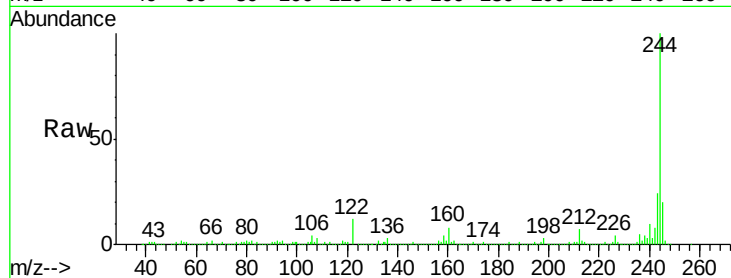
Tgt Ion:244 Resp: 1799836

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

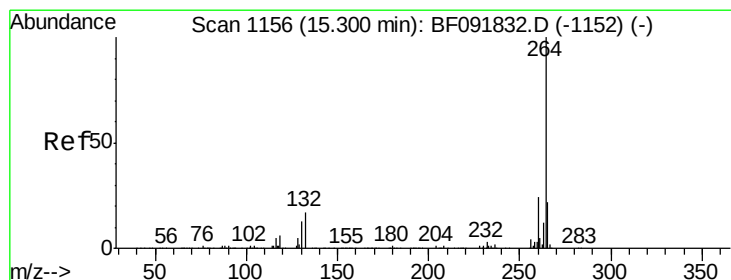
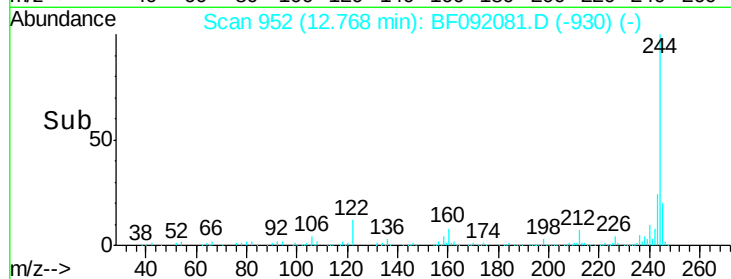
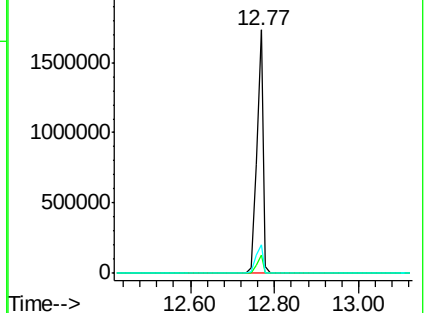
122 11.9 11.4 17.2



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: 15.18 min Scan# 1163

Delta R.T. -0.07 min

Lab File: BF092081.D

Acq: 4 Jan 2017 21:22

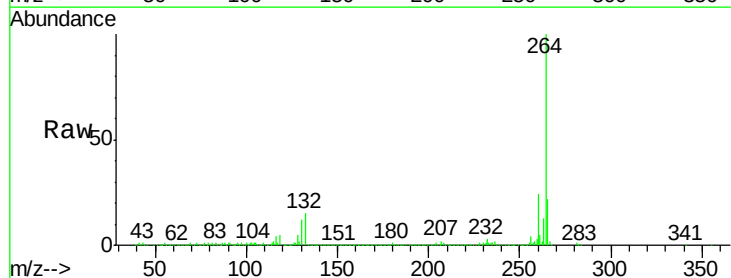
Tgt Ion:264 Resp: 452590

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.9 17.4 26.0



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

