

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051215\
 Data File : BF079173.D
 Acq On : 12 May 2015 22:37
 Operator : TP/IZ
 Sample : G2196-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KBY-SB-9(6-10)

Quant Time: May 13 01:18:27 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 13 00:53:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.28	152	57485	20.00	ng	0.00
21) Naphthalene-d8	8.86	136	229651	20.00	ng	0.00
38) Acenaphthene-d10	11.04	164	108427	20.00	ng	0.00
63) Phenanthrene-d10	12.88	188	211115	20.00	ng	0.00
75) Chrysene-d12	16.17	240	219279	20.00	ng	-0.02
86) Perylene-d12	17.87	264	222811	20.00	ng	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	337014	100.92	ng	0.01
7) Phenol-d6	6.84	99	429009	97.19	ng	0.00
23) Nitrobenzene-d5	7.98	82	259643	64.98	ng	0.00
41) 2,4,6-Tribromophenol	12.02	330	116626	99.43	ng	0.01
44) 2-Fluorobiphenyl	10.21	172	501015	64.38	ng	0.00
78) Terphenyl-d14	14.87	244	570945	62.34	ng	-0.01

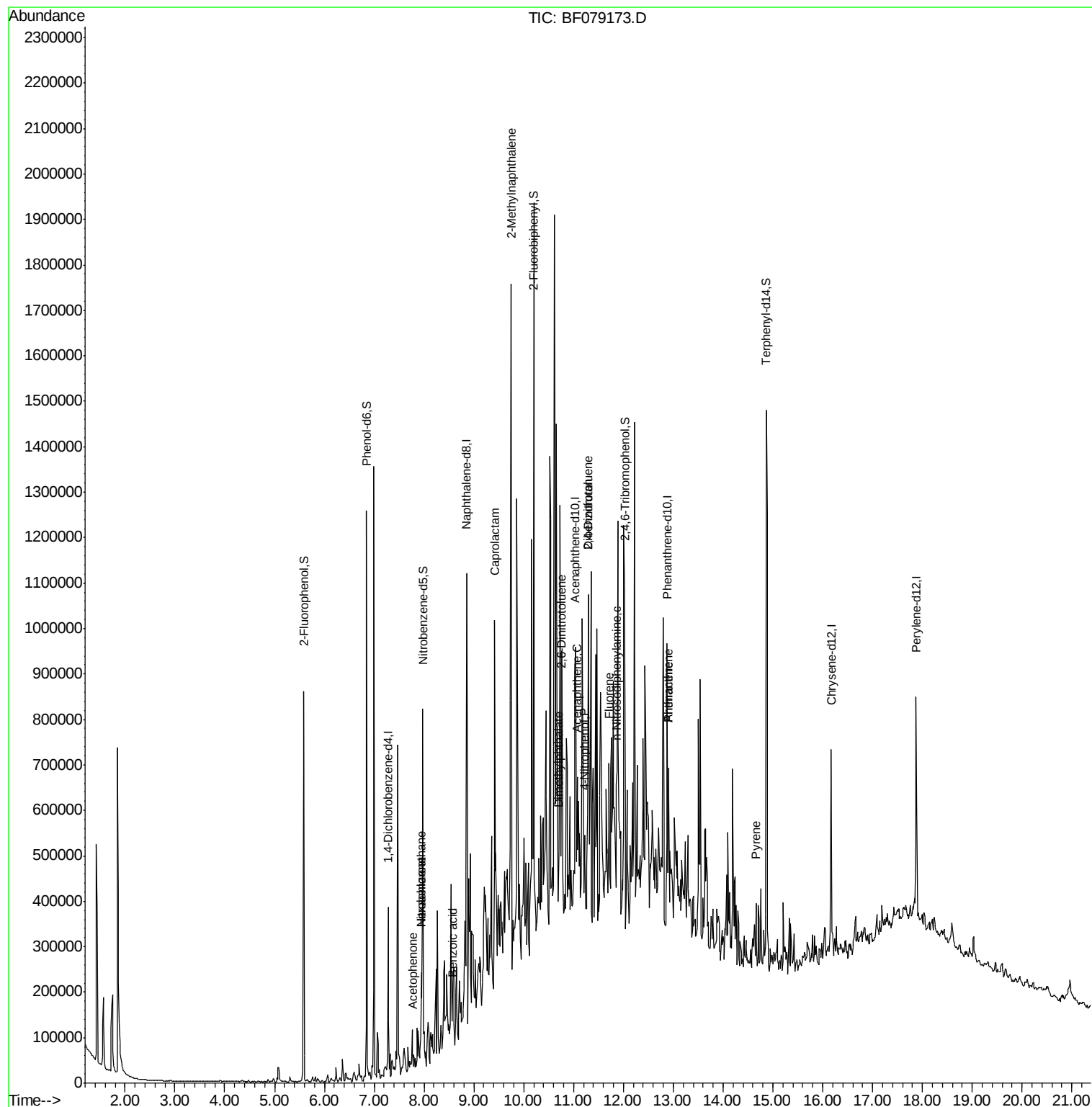
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	7.94	117	15667	10.38	ng	# 1
22) Acetophenone	7.77	105	10378	2.00	ng	# 57
24) Nitrobenzene	7.94	77	8503	2.15	ng	# 27
32) Benzoic acid	8.57	122	241	6.41	ng	# 1
35) Caprolactam	9.42	113	16790	17.80	ng	# 48
37) 2-Methylnaphthalene	9.75	142	399877	52.73	ng	# 97
49) Dimethylphthalate	10.71	163	22937	2.88	ng	# 93
50) 2,6-Dinitrotoluene	10.75	165	3211	2.04	ng	# 1
51) Acenaphthene	11.07	154	28173	4.28	ng	# 93
54) Dibenzofuran	11.29	168	20977	2.21	ng	# 1
55) 4-Nitrophenol	11.22	139	3623	2.33	ng	# 45
56) 2,4-Dinitrotoluene	11.29	165	13094	6.31	ng	# 49
57) Fluorene	11.71	166	57379	7.35	ng	# 91
65) n-Nitrosodiphenylamine	11.86	169	105243	14.97	ng	# 50
70) Phenanthrene	12.90	178	199306	16.88	ng	# 98
71) Anthracene	12.90	178	181671	15.68	ng	# 98
77) Pyrene	14.66	202	73040	5.78	ng	# 95

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

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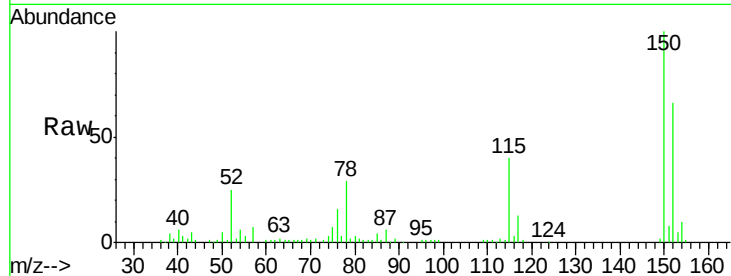




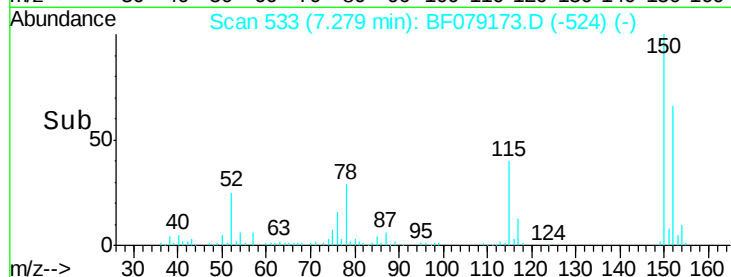
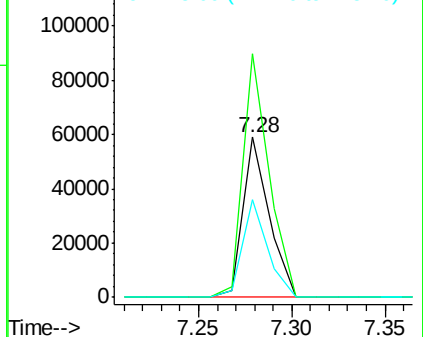
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.28 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: BF079173.D
 Acq: 12 May 2015 22:37

Instrument :
 BNA_F
 ClientSampleId :
 KBY-SB-9(6-10)

Tgt Ion:152 Resp: 57485
 Ion Ratio Lower Upper
 152 100
 150 152.0 122.0 183.0
 115 61.2 46.3 69.5

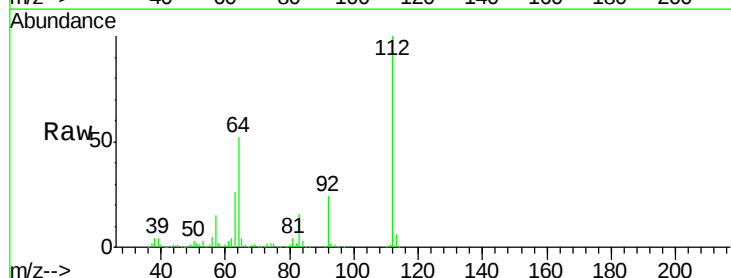


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

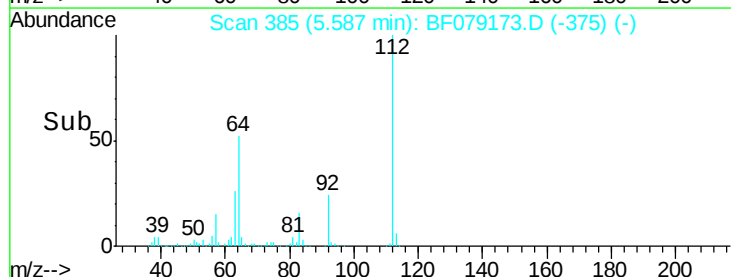
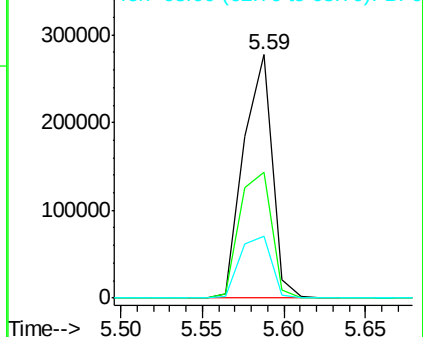


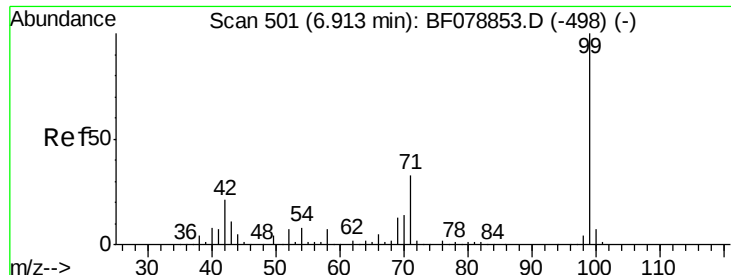
#5
 2-Fluorophenol
 Concen: 100.92 ng
 RT: 5.59 min Scan# 385
 Delta R.T. 0.01 min
 Lab File: BF079173.D
 Acq: 12 May 2015 22:37

Tgt Ion:112 Resp: 337014
 Ion Ratio Lower Upper
 112 100
 64 51.8 53.5 80.3#
 63 25.6 27.5 41.3#



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: 97.19 ng

RT: 6.84 min Scan# 495

Delta R.T. 0.00 min

Lab File: BF079173.D

Acq: 12 May 2015 22:37

Instrument :

BNA_F

ClientSampleId :

KBY-SB-9(6-10)

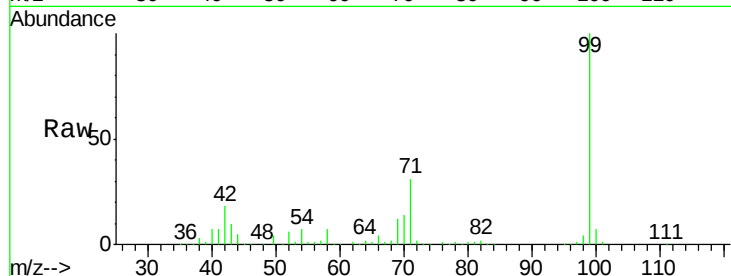
Tgt Ion: 99 Resp: 429009

Ion Ratio Lower Upper

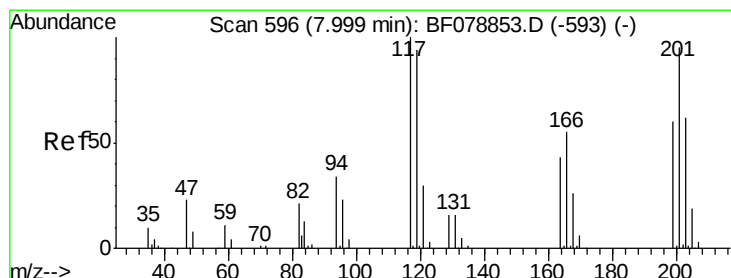
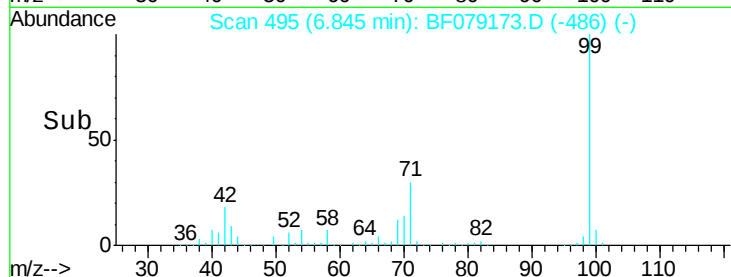
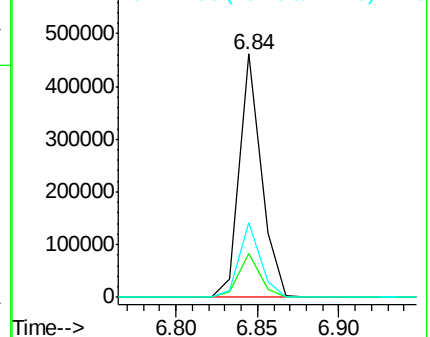
99 100

42 18.2 12.8 19.2

71 30.6 23.4 35.2



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



#18

Hexachloroethane

Concen: 10.38 ng

RT: 7.94 min Scan# 591

Delta R.T. 0.03 min

Lab File: BF079173.D

Acq: 12 May 2015 22:37

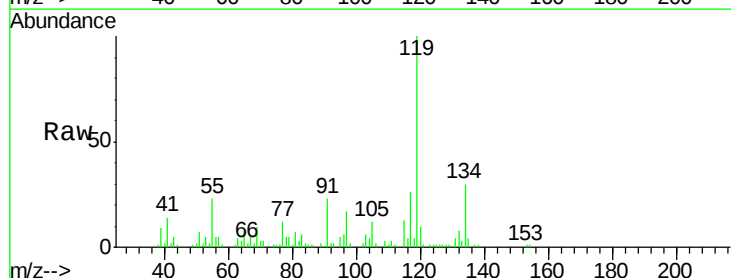
Tgt Ion: 117 Resp: 15667

Ion Ratio Lower Upper

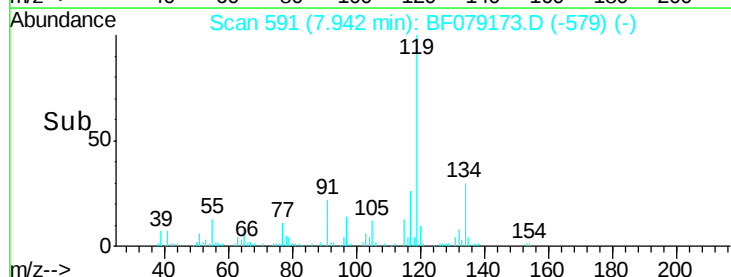
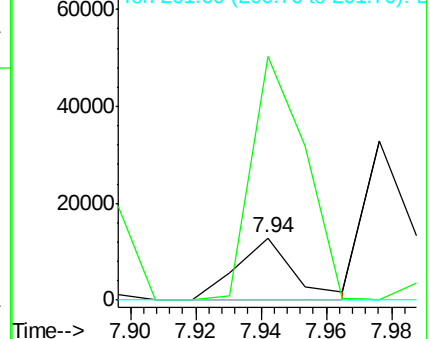
117 100

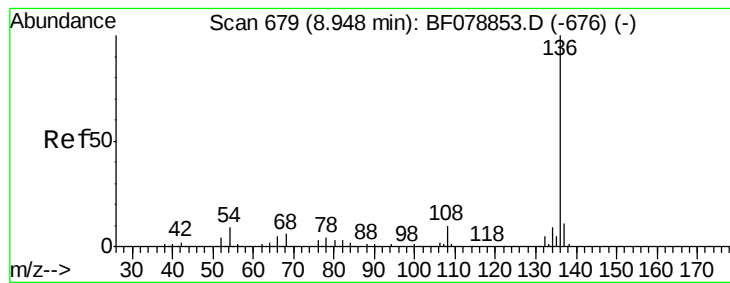
119 391.8 75.4 113.0#

201 0.0 83.2 124.8#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.86 min Scan# 671

Delta R.T. 0.00 min

Lab File: BF079173.D

Acq: 12 May 2015 22:37

Instrument :

BNA_F

ClientSampleId :

KBY-SB-9(6-10)

Tgt Ion:136 Resp: 229651

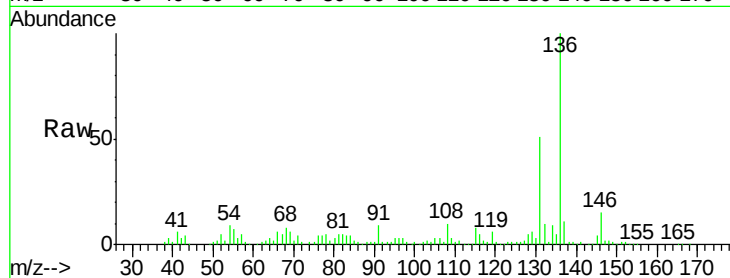
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 9.0 5.8 8.8#

68 7.6 4.2 6.4#

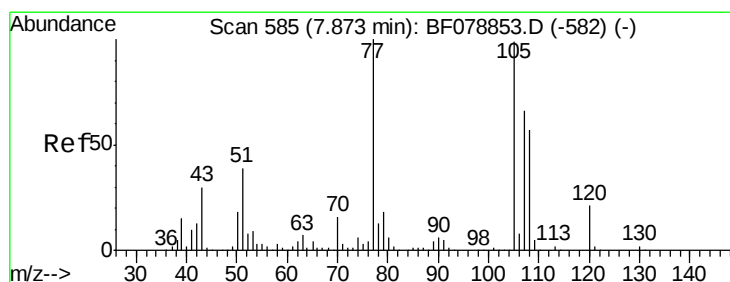
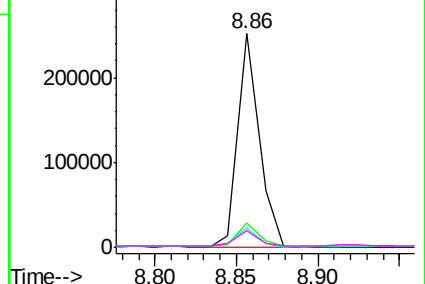
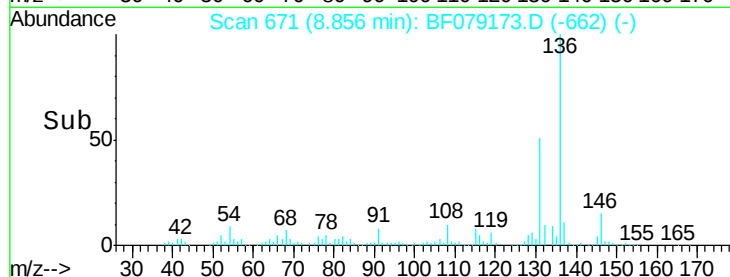


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 2.00 ng

RT: 7.77 min Scan# 576

Delta R.T. -0.02 min

Lab File: BF079173.D

Acq: 12 May 2015 22:37

Tgt Ion:105 Resp: 10378

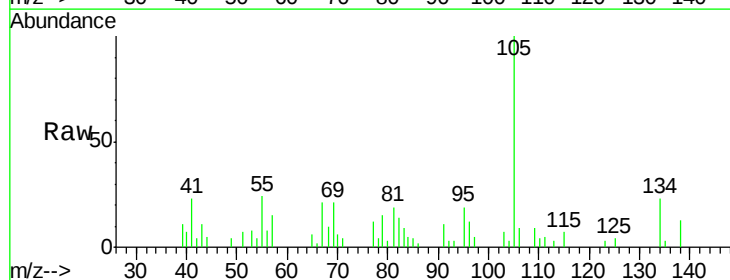
Ion Ratio Lower Upper

105 100

71 4.5 4.6 6.8#

51 6.6 26.7 40.1#

120 0.0 17.4 26.0#

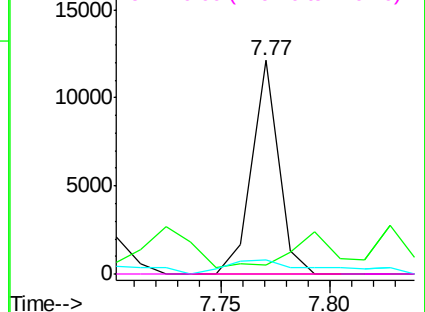
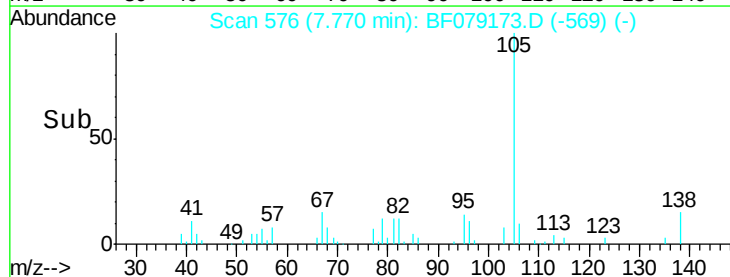


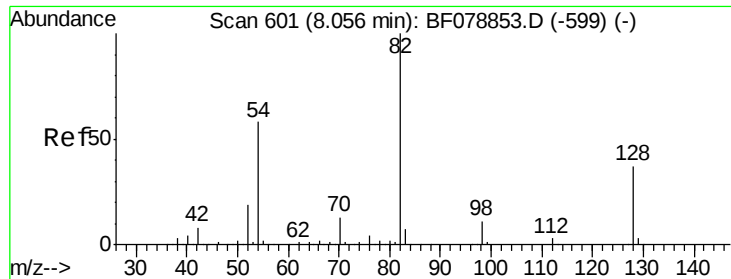
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

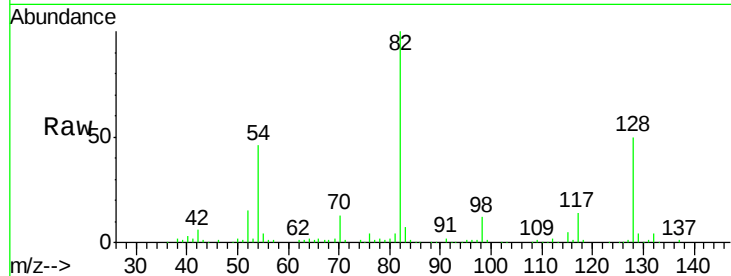




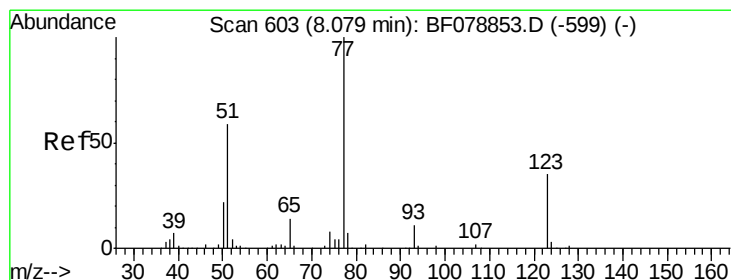
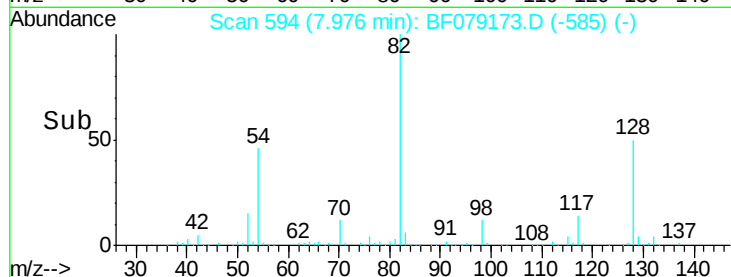
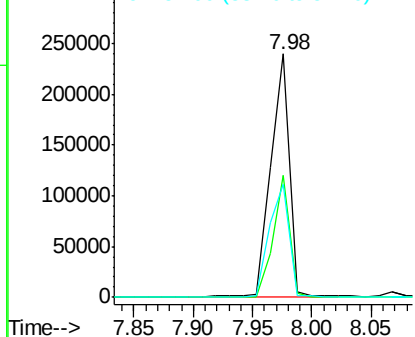
#23
 Nitrobenzene-d5
 Concen: 64.98 ng
 RT: 7.98 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: BF079173.D
 Acq: 12 May 2015 22:37

Instrument :
 BNA_F
 ClientSampleId :
 KBY-SB-9(6-10)

Tgt Ion: 82 Resp: 259643
 Ion Ratio Lower Upper
 82 100
 128 50.2 30.0 45.0#
 54 46.4 46.4 69.6

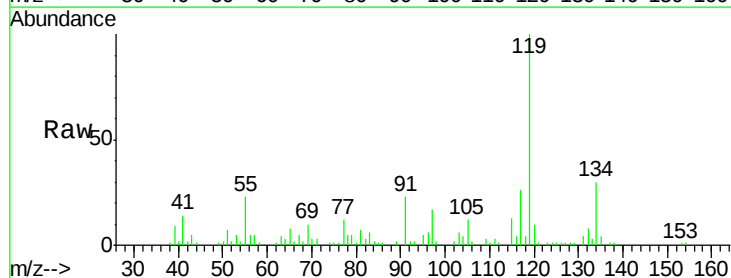


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

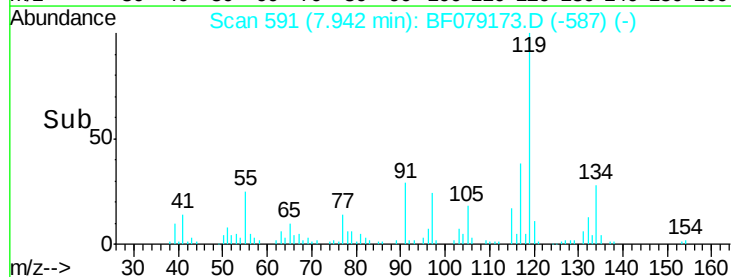
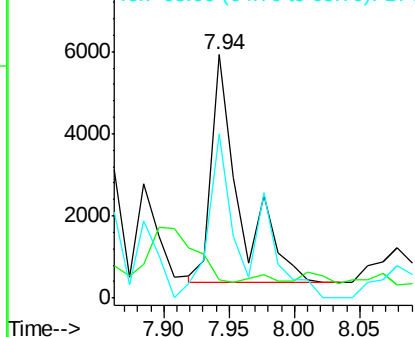


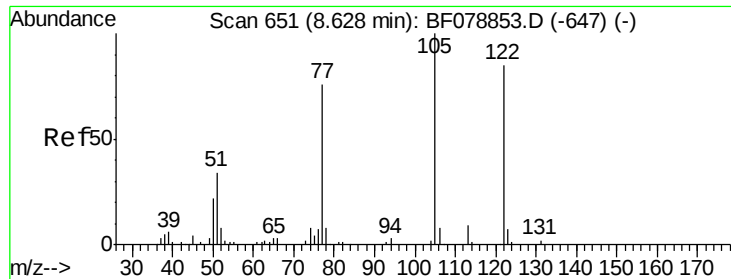
#24
 Nitrobenzene
 Concen: 2.15 ng
 RT: 7.94 min Scan# 591
 Delta R.T. -0.06 min
 Lab File: BF079173.D
 Acq: 12 May 2015 22:37

Tgt Ion: 77 Resp: 8503
 Ion Ratio Lower Upper
 77 100
 123 7.7 31.8 47.8#
 65 67.5 10.6 15.8#



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BF0





#32

Benzoic acid

Concen: 6.41 ng

RT: 8.57 min Scan# 646

Delta R.T. 0.00 min

Lab File: BF079173.D

Acq: 12 May 2015 22:37

Instrument :

BNA_F

ClientSampleId :

KBY-SB-9(6-10)

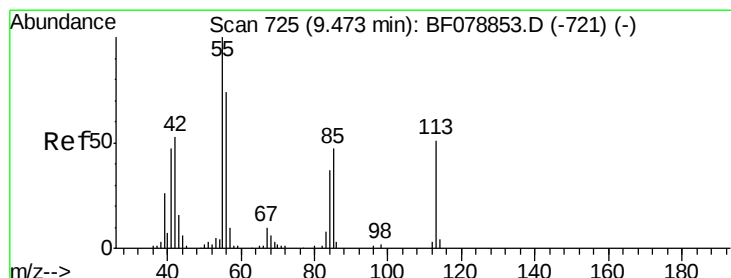
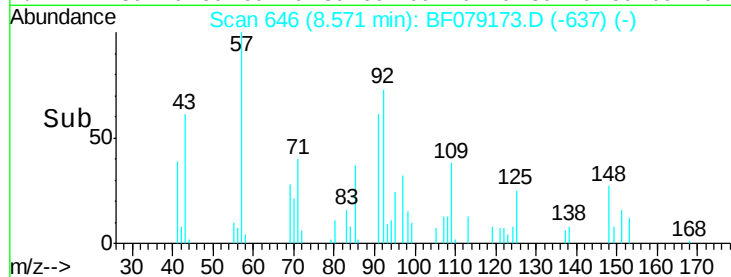
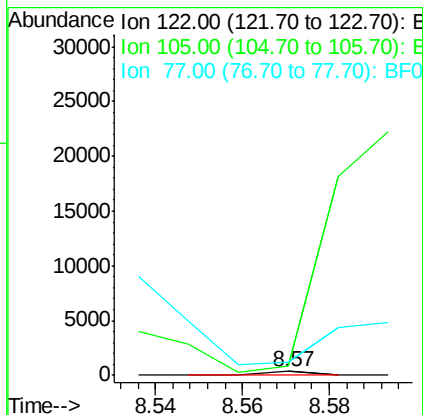
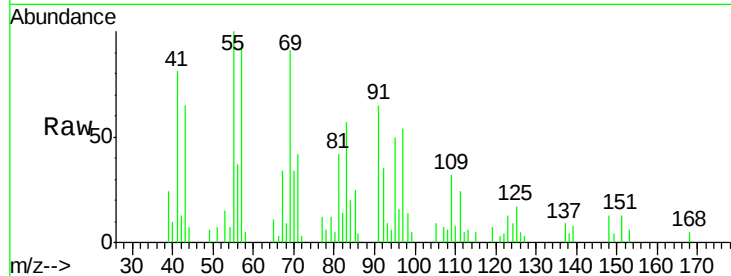
Tgt Ion:122 Resp: 241

Ion Ratio Lower Upper

122 100

105 251.7 107.1 147.1#

77 337.2 73.9 113.9#



#35

Caprolactam

Concen: 17.80 ng

RT: 9.42 min Scan# 720

Delta R.T. 0.02 min

Lab File: BF079173.D

Acq: 12 May 2015 22:37

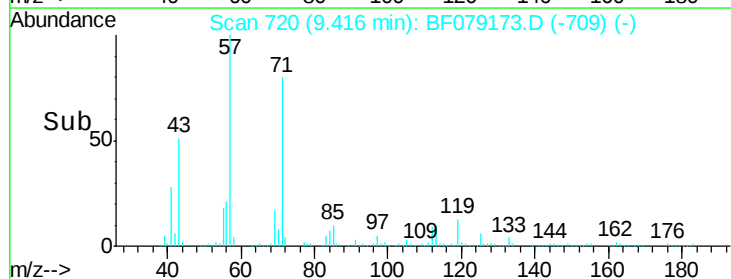
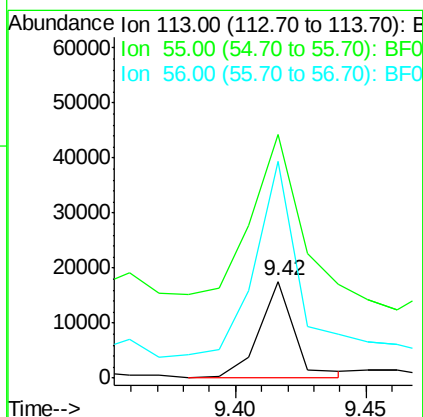
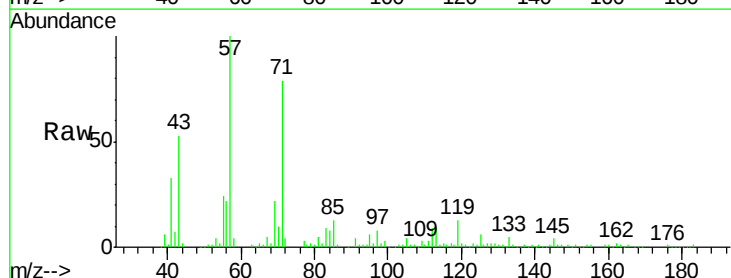
Tgt Ion:113 Resp: 16790

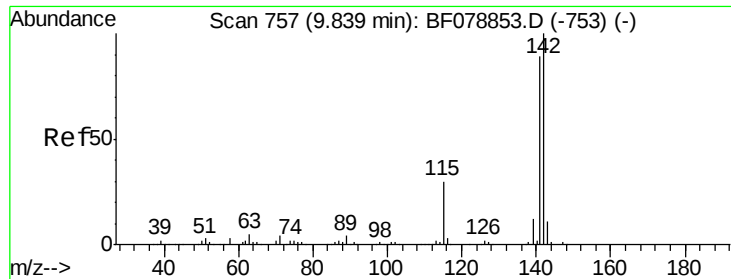
Ion Ratio Lower Upper

113 100

55 251.2 169.7 209.7#

56 223.7 122.5 162.5#

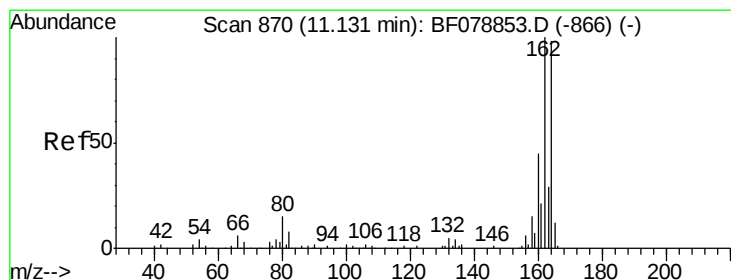
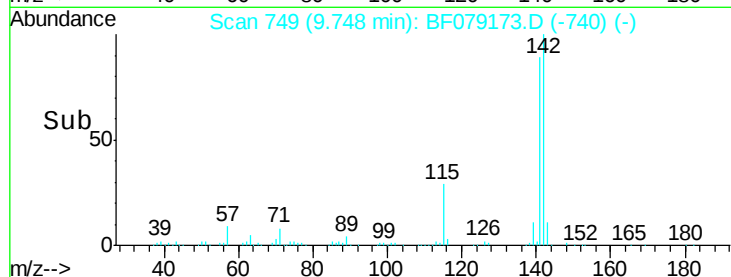
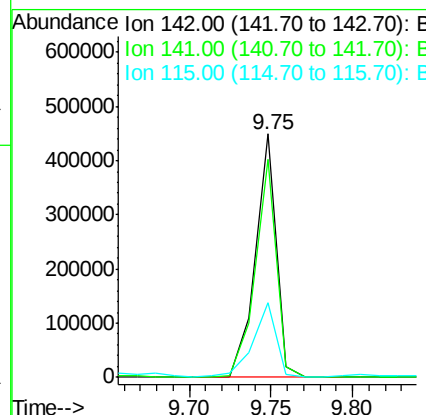
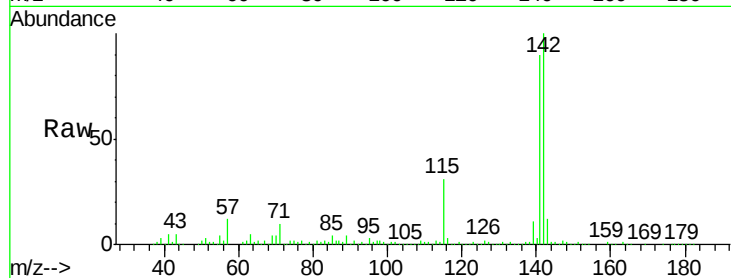




#37
2-Methylnaphthalene
Concen: 52.73 ng
RT: 9.75 min Scan# 749
Delta R.T. 0.00 min
Lab File: BF079173.D
Acq: 12 May 2015 22:37

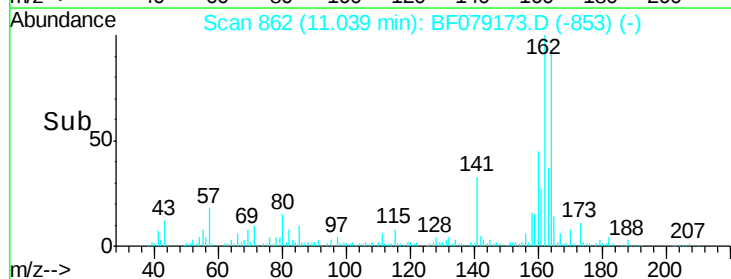
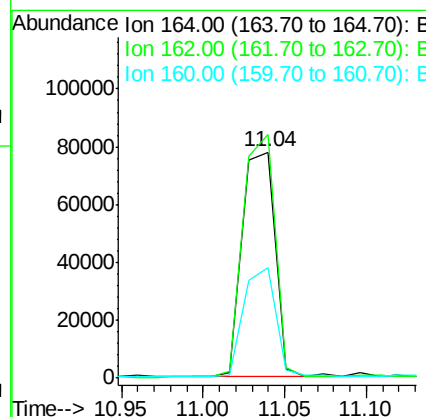
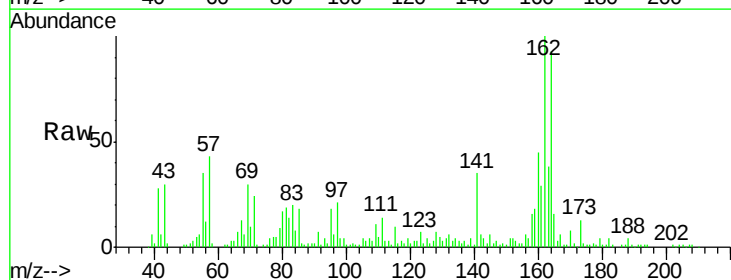
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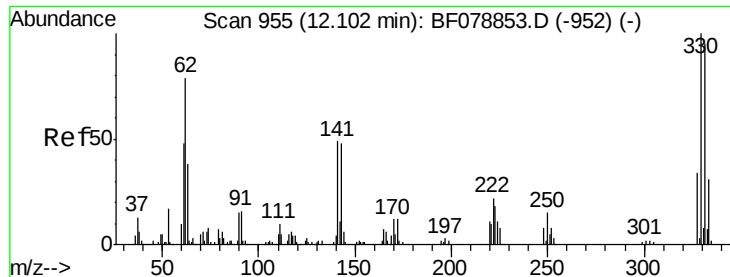
Tgt Ion:142 Resp: 399877
Ion Ratio Lower Upper
142 100
141 89.6 70.9 106.3
115 30.9 28.5 42.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.04 min Scan# 862
Delta R.T. 0.00 min
Lab File: BF079173.D
Acq: 12 May 2015 22:37

Tgt Ion:164 Resp: 108427
Ion Ratio Lower Upper
164 100
162 107.8 82.7 124.1
160 48.8 35.8 53.8

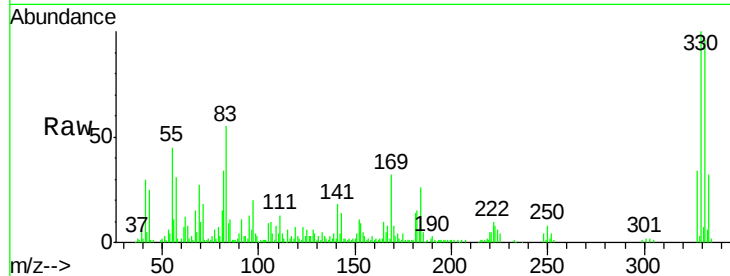




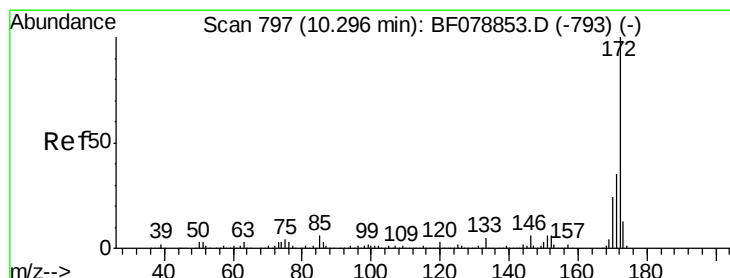
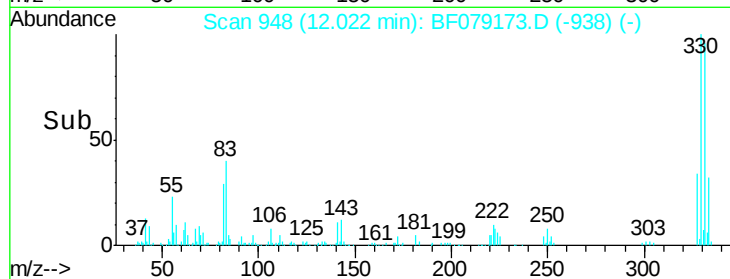
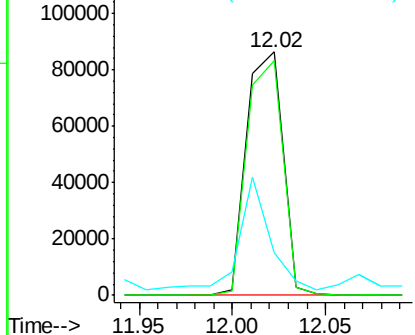
#41
 2,4,6-Tribromophenol
 Concen: 99.43 ng
 RT: 12.02 min Scan# 948
 Delta R.T. 0.01 min
 Lab File: BF079173.D
 Acq: 12 May 2015 22:37

Instrument :
 BNA_F
 ClientSampleId :
 KBY-SB-9(6-10)

Tgt Ion:330 Resp: 116626
 Ion Ratio Lower Upper
 330 100
 332 95.8 0.0 0.0#
 141 38.5 0.0 0.0#

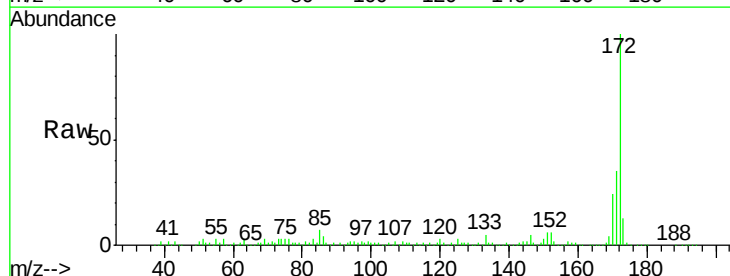


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

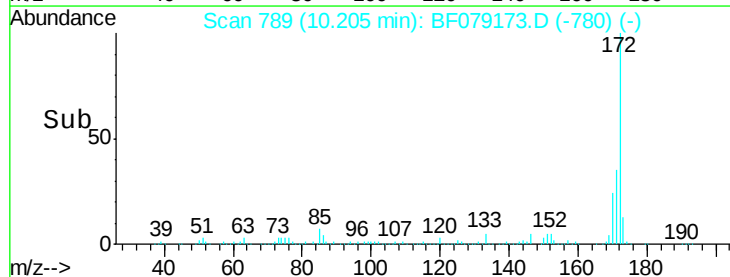
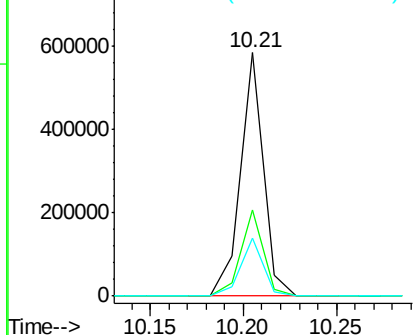


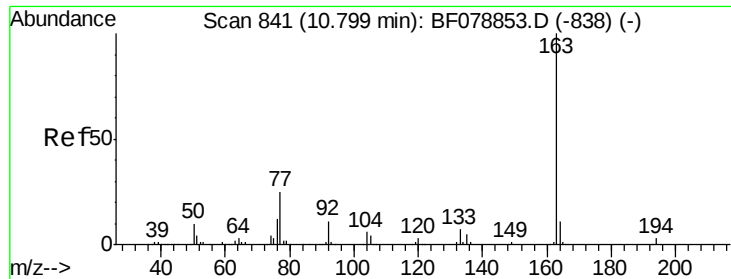
#44
 2-Fluorobiphenyl
 Concen: 64.38 ng
 RT: 10.21 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF079173.D
 Acq: 12 May 2015 22:37

Tgt Ion:172 Resp: 501015
 Ion Ratio Lower Upper
 172 100
 171 35.3 27.9 41.9
 170 23.9 19.4 29.0



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

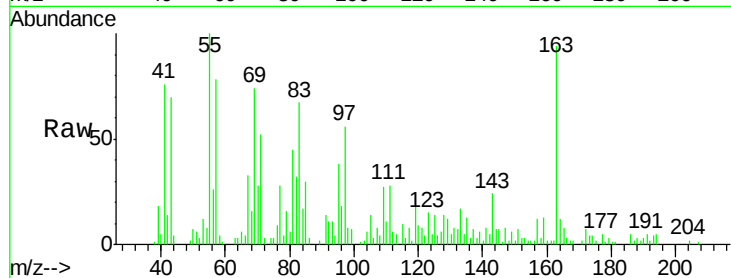




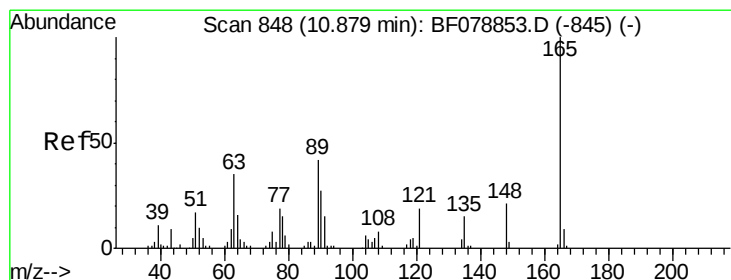
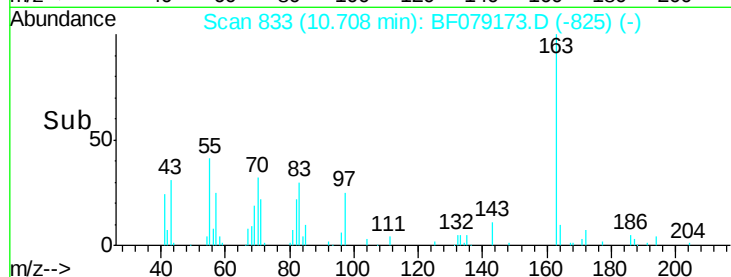
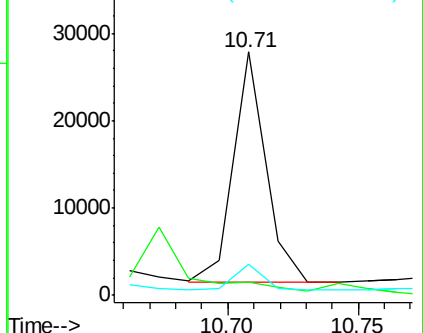
#49
Dimethylphthalate
Concen: 2.88 ng
RT: 10.71 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF079173.D
Acq: 12 May 2015 22:37

Instrument :
BNA_F
ClientSampleId :
KBY-SB-9(6-10)

Tgt Ion:163 Resp: 22937
Ion Ratio Lower Upper
163 100
194 5.7 2.6 4.0#
164 12.6 8.1 12.1#

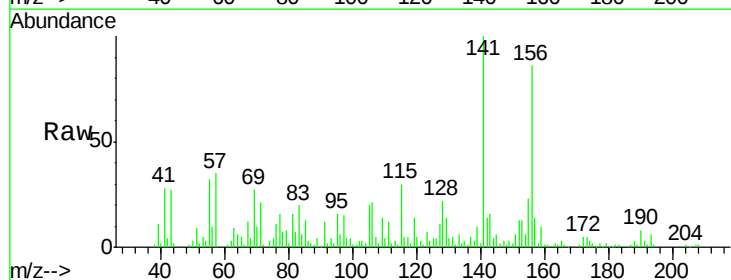


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

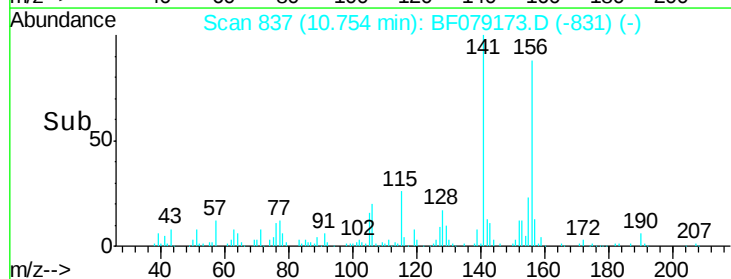
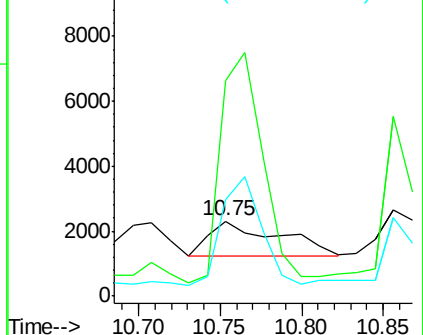


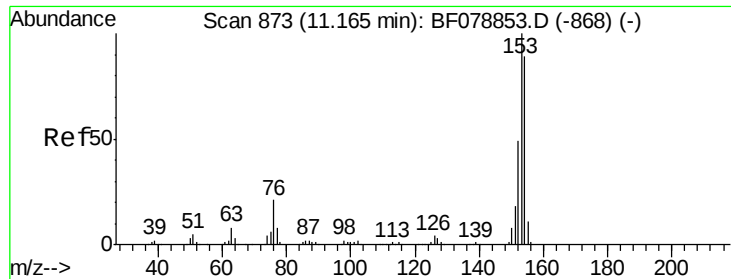
#50
2,6-Dinitrotoluene
Concen: 2.04 ng
RT: 10.75 min Scan# 837
Delta R.T. -0.03 min
Lab File: BF079173.D
Acq: 12 May 2015 22:37

Tgt Ion:165 Resp: 3211
Ion Ratio Lower Upper
165 100
63 286.7 54.4 81.6#
89 129.1 55.7 83.5#



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





#51

Acenaphthene

Concen: 4.28 ng

RT: 11.07 min Scan# 865

Delta R.T. 0.00 min

Lab File: BF079173.D

Acq: 12 May 2015 22:37

Instrument :

BNA_F

ClientSampleId :

KBY-SB-9(6-10)

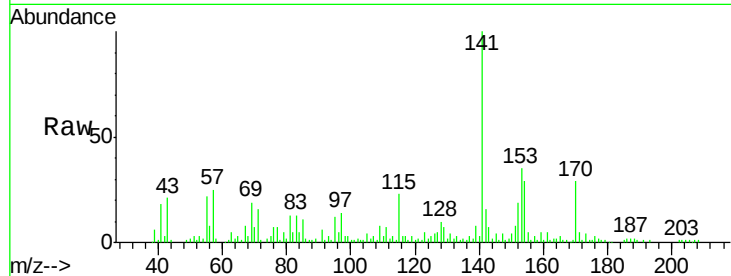
Tgt Ion:154 Resp: 28173

Ion Ratio Lower Upper

154 100

153 118.8 91.5 137.3

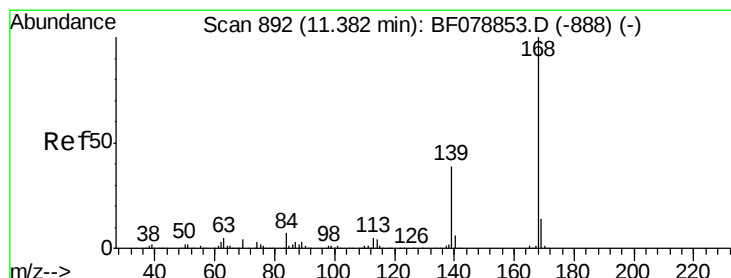
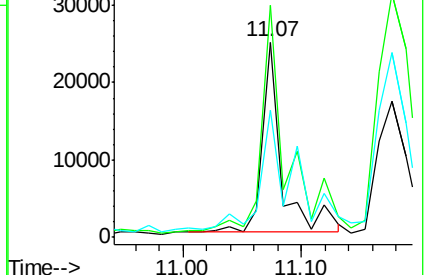
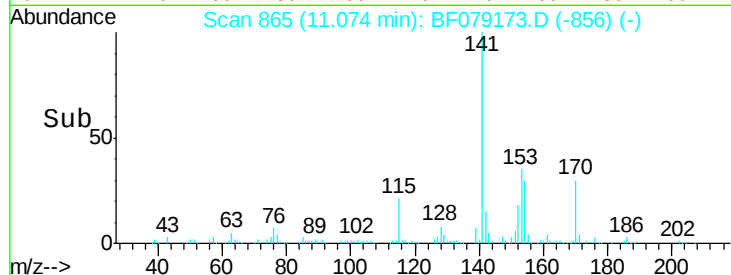
152 65.2 44.2 66.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.21 ng

RT: 11.29 min Scan# 884

Delta R.T. 0.00 min

Lab File: BF079173.D

Acq: 12 May 2015 22:37

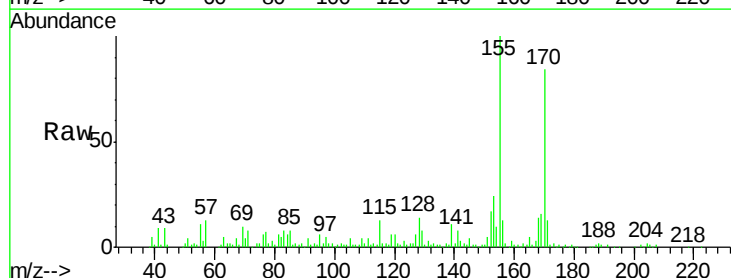
Tgt Ion:168 Resp: 20977

Ion Ratio Lower Upper

168 100

139 80.5 31.0 46.4#

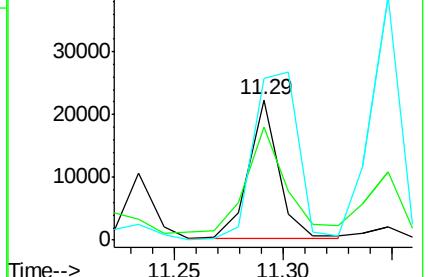
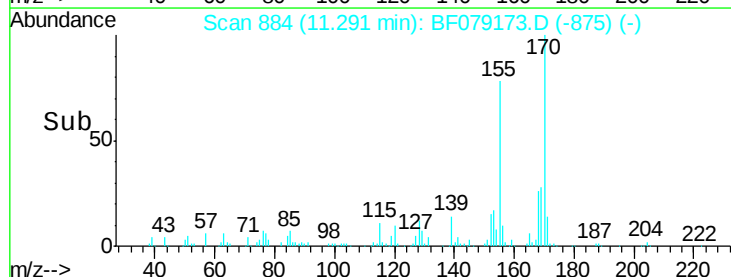
169 115.6 10.6 16.0#

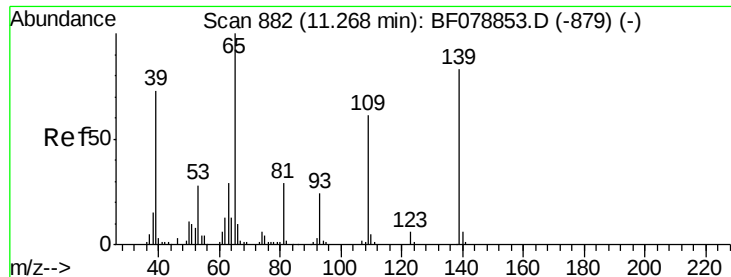


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

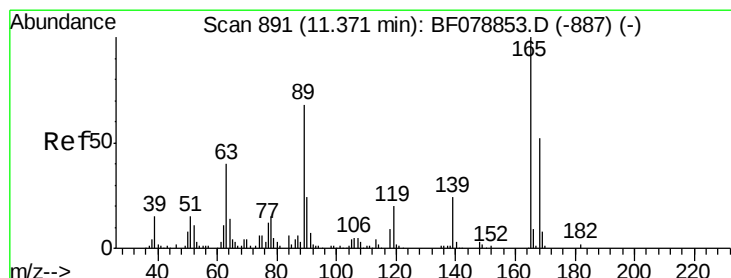
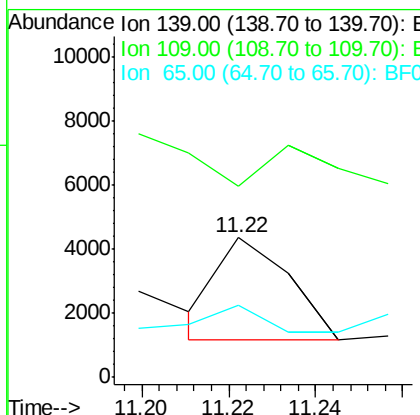
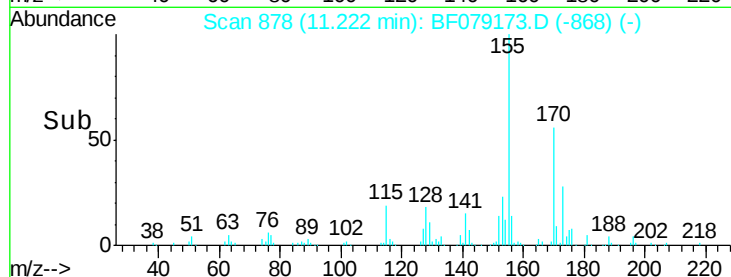
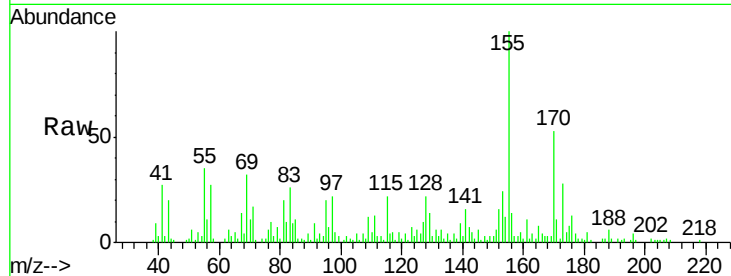




#55
4-Nitrophenol
Concen: 2.33 ng
RT: 11.22 min Scan# 878
Delta R.T. 0.01 min
Lab File: BF079173.D
Acq: 12 May 2015 22:37

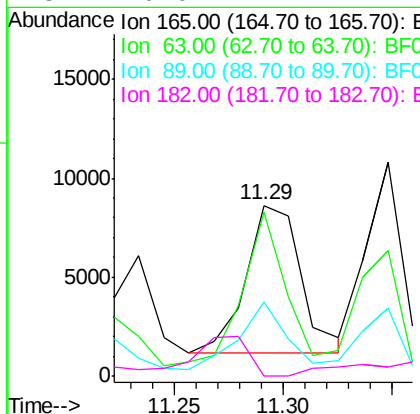
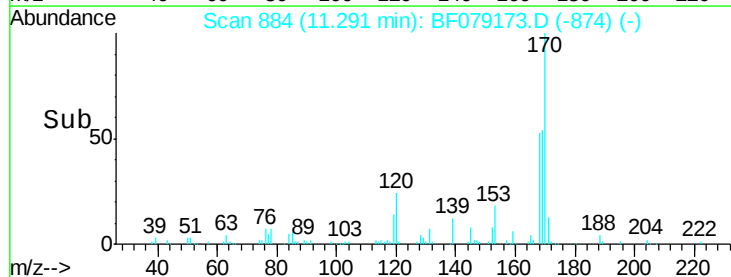
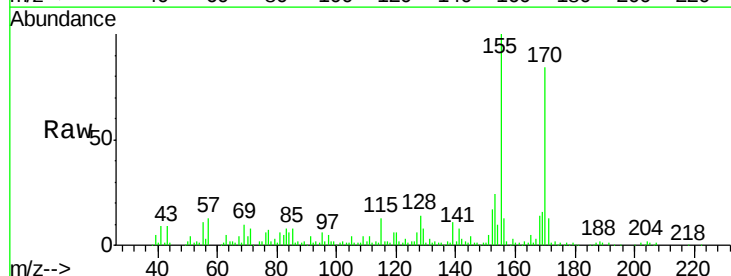
Instrument :
BNA_F
ClientSampleId :
KBY-SB-9(6-10)

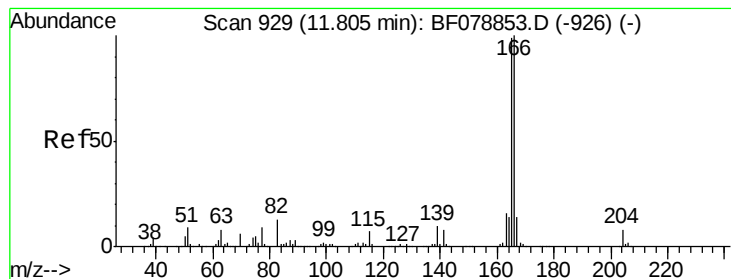
Tgt Ion:139 Resp: 3623
Ion Ratio Lower Upper
139 100
109 137.1 47.6 87.6#
65 51.9 54.3 94.3#



#56
2,4-Dinitrotoluene
Concen: 6.31 ng
RT: 11.29 min Scan# 884
Delta R.T. 0.01 min
Lab File: BF079173.D
Acq: 12 May 2015 22:37

Tgt Ion:165 Resp: 13094
Ion Ratio Lower Upper
165 100
63 96.3 51.2 76.8#
89 43.6 82.7 124.1#
182 0.0 1.4 2.2#





#57

Fluorene

Concen: 7.35 ng

RT: 11.71 min Scan# 921

Delta R.T. 0.00 min

Lab File: BF079173.D

Acq: 12 May 2015 22:37

Instrument :

BNA_F

ClientSampleId :

KBY-SB-9(6-10)

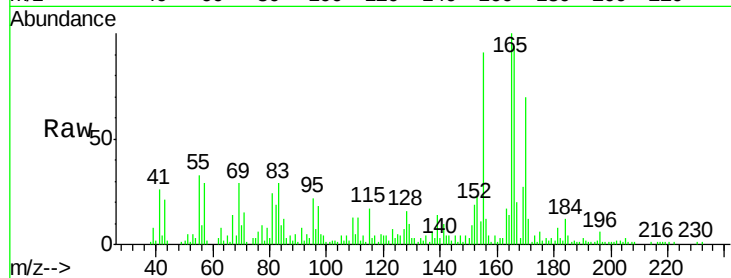
Tgt Ion:166 Resp: 57379

Ion Ratio Lower Upper

166 100

165 106.2 78.5 117.7

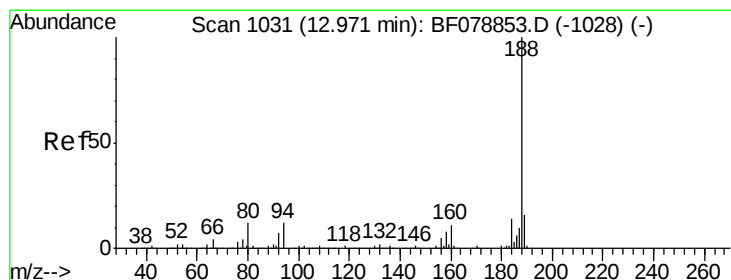
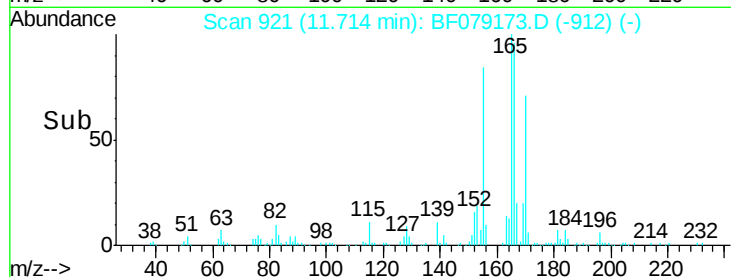
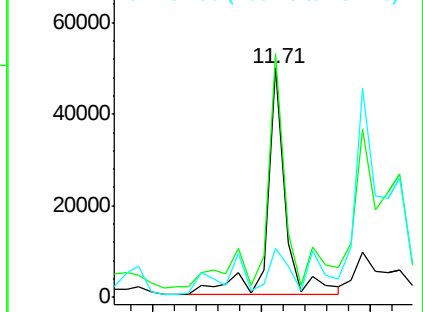
167 21.5 11.0 16.6#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.88 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BF079173.D

Acq: 12 May 2015 22:37

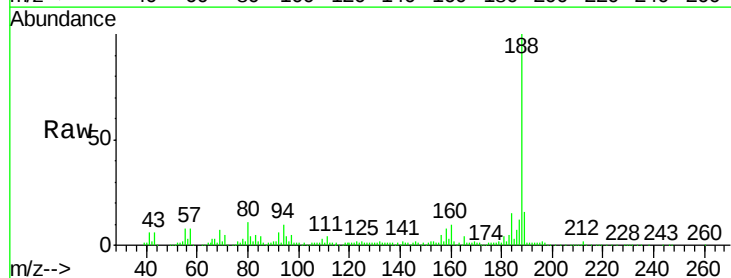
Tgt Ion:188 Resp: 211115

Ion Ratio Lower Upper

188 100

94 9.9 8.2 12.2

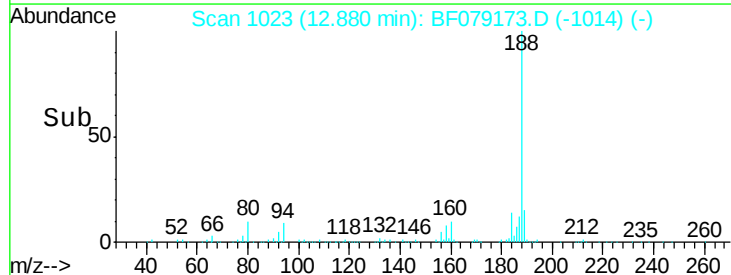
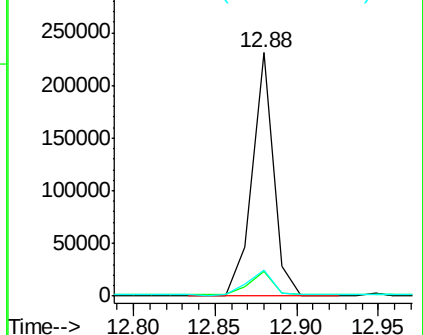
80 10.5 8.9 13.3

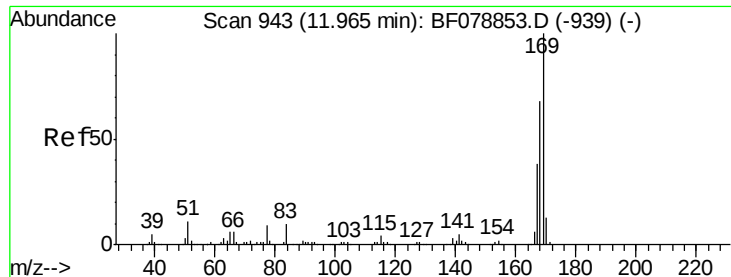


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 14.97 ng

RT: 11.86 min Scan# 934

Delta R.T. -0.01 min

Lab File: BF079173.D

Acq: 12 May 2015 22:37

Instrument :

BNA_F

ClientSampleId :

KBY-SB-9(6-10)

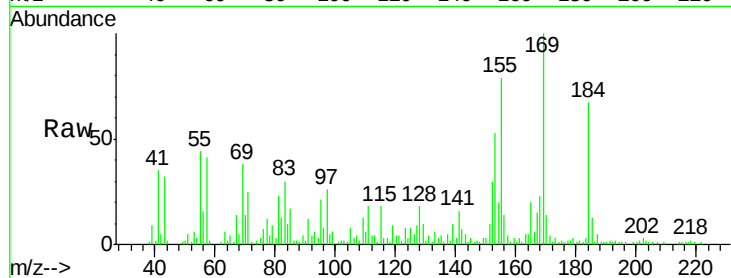
Tgt Ion:169 Resp: 105243

Ion Ratio Lower Upper

169 100

168 22.6 54.6 82.0#

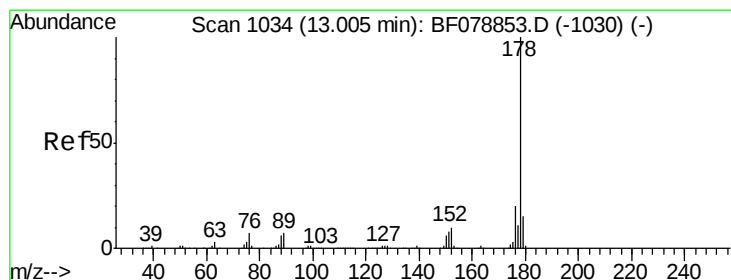
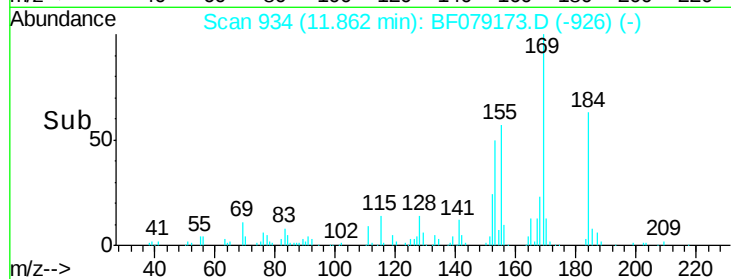
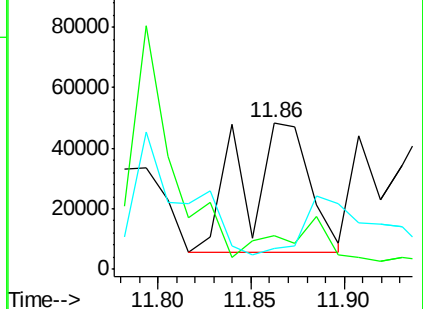
167 14.6 30.6 45.8#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 16.88 ng

RT: 12.90 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BF079173.D

Acq: 12 May 2015 22:37

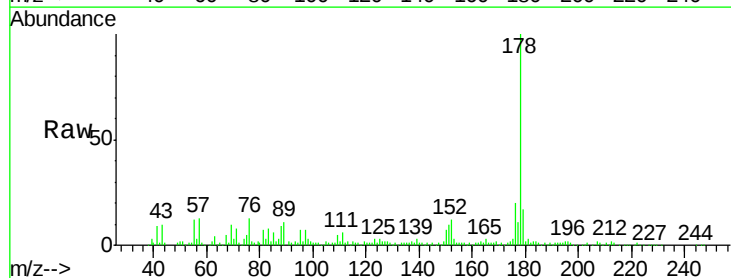
Tgt Ion:178 Resp: 199306

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

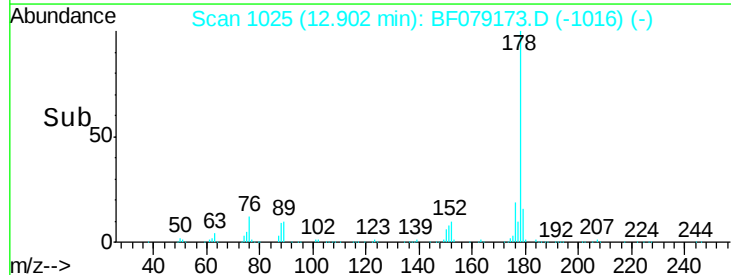
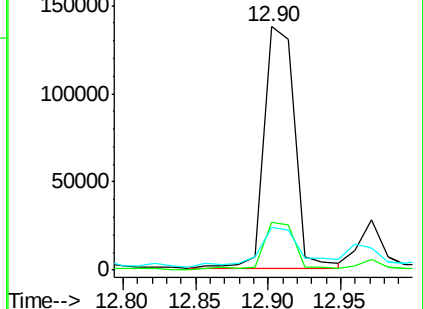
179 17.5 12.5 18.7

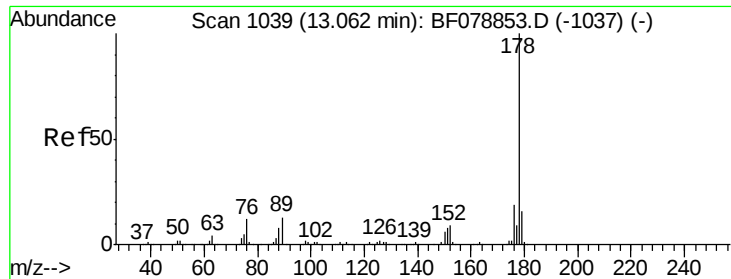


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 15.68 ng

RT: 12.90 min Scan# 1025

Delta R.T. -0.07 min

Lab File: BF079173.D

Acq: 12 May 2015 22:37

Instrument :

BNA_F

ClientSampleId :

KBY-SB-9(6-10)

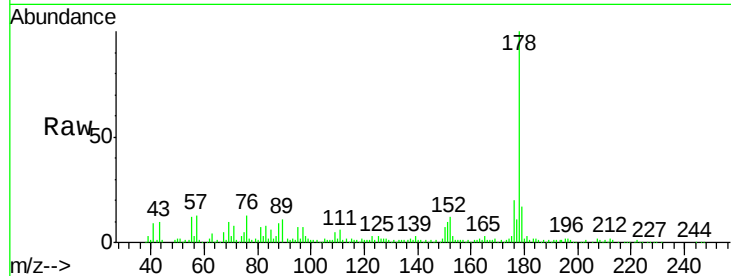
Tgt Ion:178 Resp: 181671

Ion Ratio Lower Upper

178 100

176 19.6 15.5 23.3

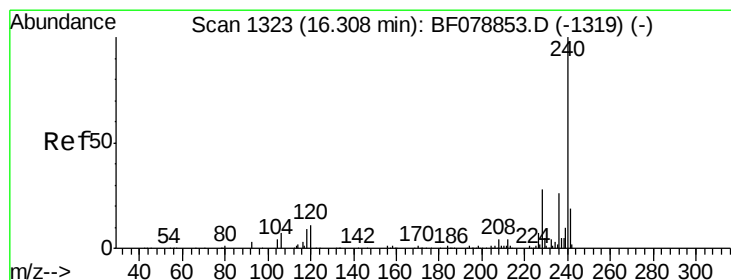
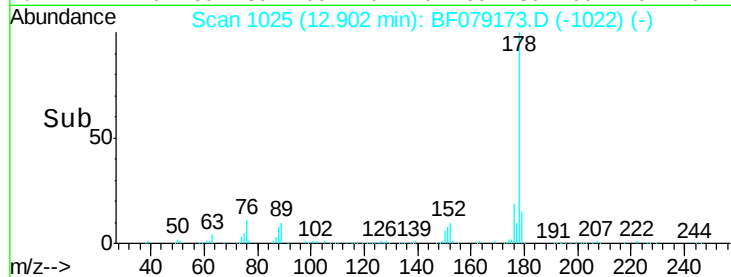
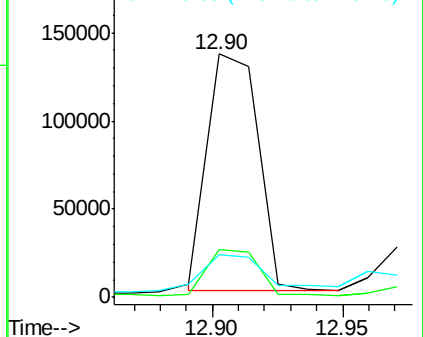
179 17.5 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.17 min Scan# 1311

Delta R.T. -0.02 min

Lab File: BF079173.D

Acq: 12 May 2015 22:37

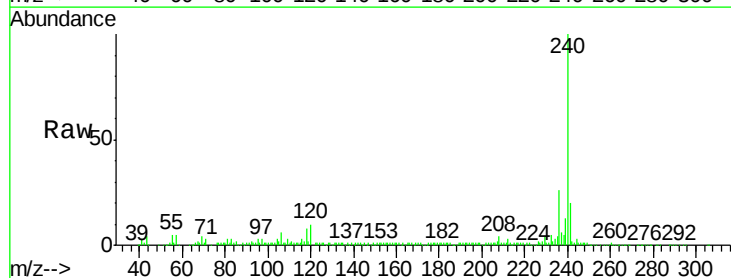
Tgt Ion:240 Resp: 219279

Ion Ratio Lower Upper

240 100

120 9.7 9.7 14.5#

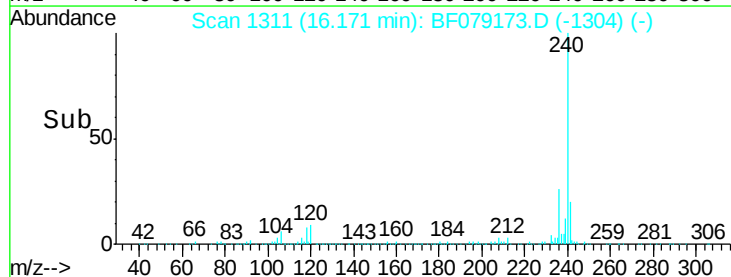
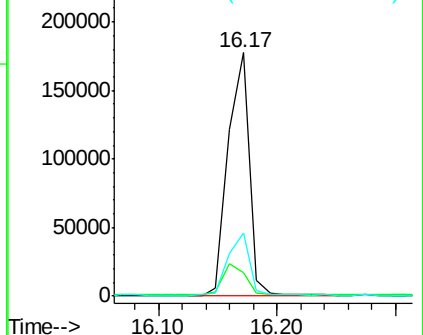
236 26.0 20.2 30.4

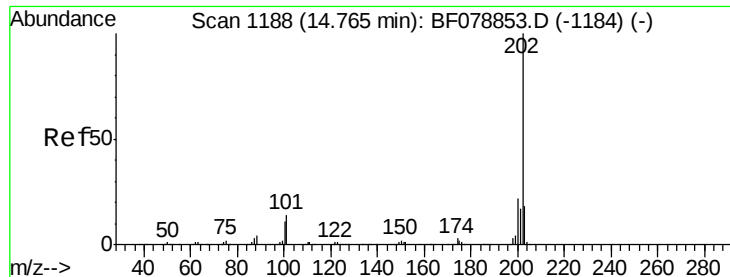


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 5.78 ng

RT: 14.66 min Scan# 1179

Delta R.T. 0.00 min

Lab File: BF079173.D

Acq: 12 May 2015 22:37

Instrument :

BNA_F

ClientSampleId :

KBY-SB-9(6-10)

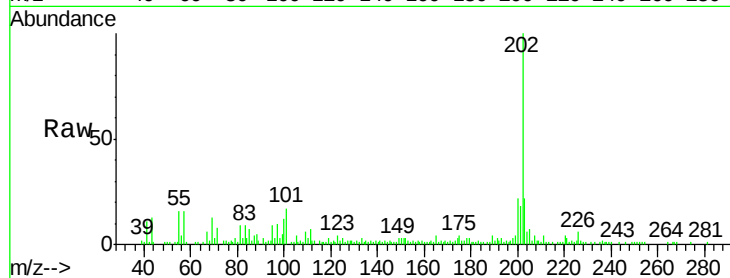
Tgt Ion:202 Resp: 73040

Ion Ratio Lower Upper

202 100

200 21.6 17.5 26.3

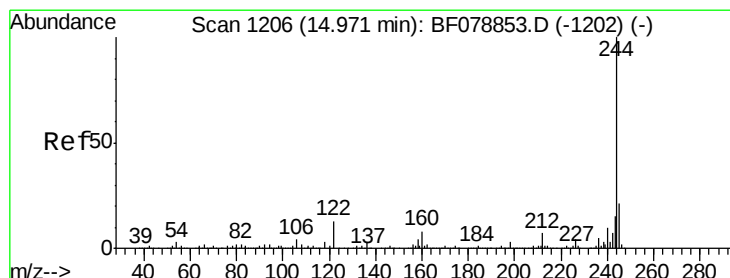
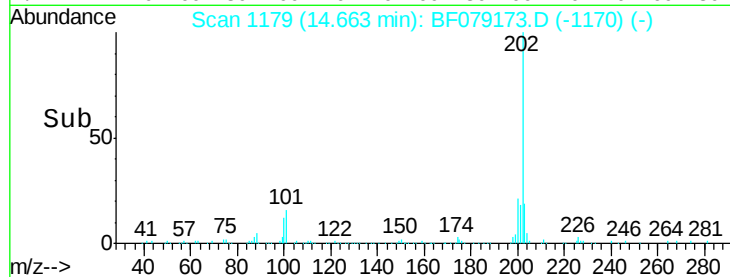
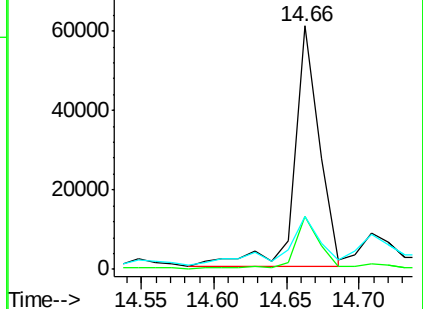
203 21.6 13.9 20.9#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 62.34 ng

RT: 14.87 min Scan# 1197

Delta R.T. -0.01 min

Lab File: BF079173.D

Acq: 12 May 2015 22:37

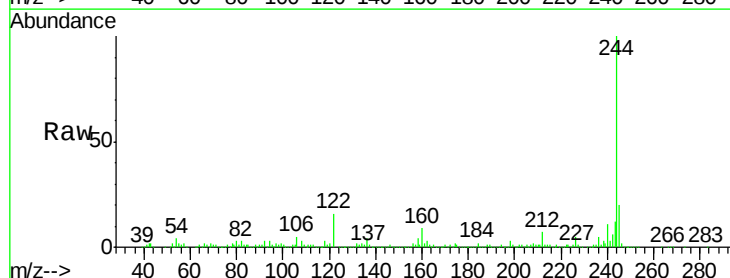
Tgt Ion:244 Resp: 570945

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

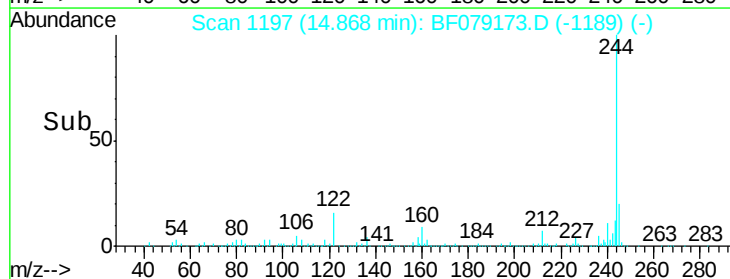
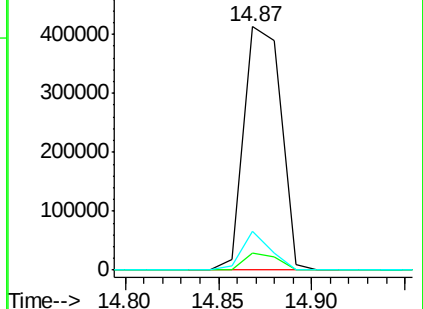
122 16.0 10.3 15.5#

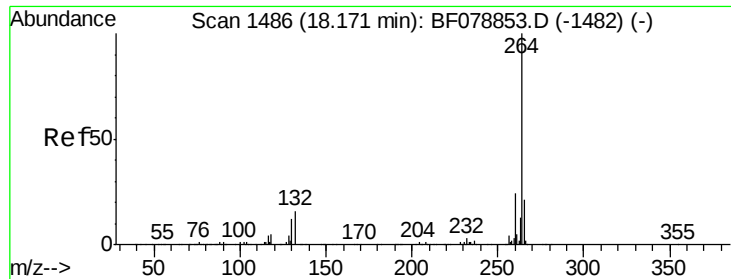


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

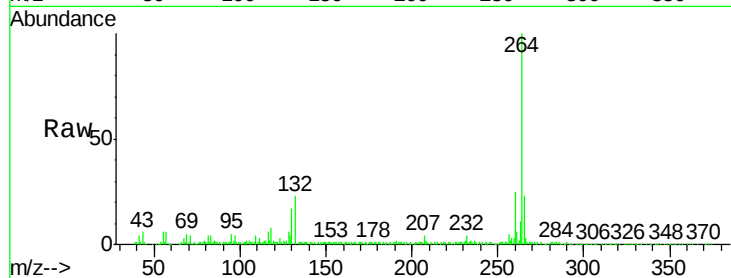




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.87 min Scan# 1460
Delta R.T. -0.15 min
Lab File: BF079173.D
Acq: 12 May 2015 22:37

Instrument :
BNA_F
ClientSampleId :
KBY-SB-9(6-10)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.4	29.2
265	23.3	18.3	27.5



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

