

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051016\
 Data File : BF086880.D
 Acq On : 11 May 2016 4:43
 Operator : UM/SJ
 Sample : H2668-08DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 11 07:54:53 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 16:04:56 2016
 Response via : Initial Calibration

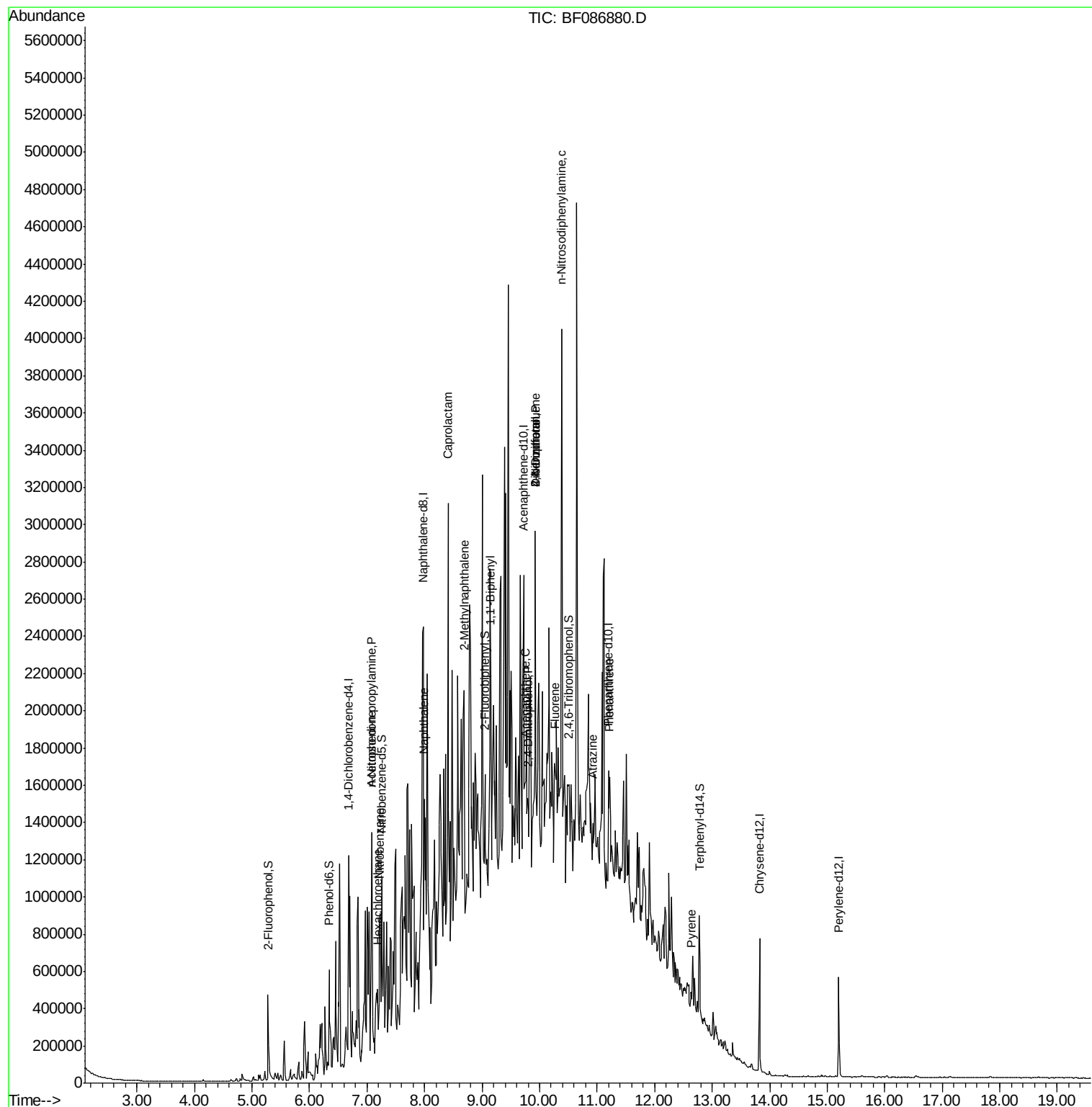
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	138269	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	485888	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	194805	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	295572	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	266872	20.00	ng	-0.01
86) Perylene-d12	15.20	264	229726	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	163100	19.98	ng	-0.01
7) Phenol-d6	6.34	99	222612	20.40	ng	-0.02
23) Nitrobenzene-d5	7.25	82	161185	16.66	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	29881	14.49	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	231791	20.00	ng	-0.01
78) Terphenyl-d14	12.77	244	163032	12.96	ng	-0.02
Target Compounds						Qvalue
18) Hexachloroethane	7.18	117	22458	5.49	ng	# 1
19) n-Nitroso-di-n-propylamine	7.08	70	18481	2.42	ng	# 1
22) Acetophenone	7.08	105	150219	13.09	ng	# 43
24) Nitrobenzene	7.22	77	30331	3.05	ng	# 28
31) Naphthalene	8.00	128	227282	9.34	ng	# 91
35) Caprolactam	8.41	113	40115	17.97	ng	# 1
37) 2-Methylnaphthalene	8.69	142	544551	38.27	ng	98
45) 1,1'-Biphenyl	9.15	154	103345	6.67	ng	98
51) Acenaphthene	9.76	154	39737	3.58	ng	# 90
53) 2,4-Dinitrophenol	9.80	184	242	7.83	ng	# 1
54) Dibenzofuran	9.93	168	29440	2.06	ng	# 1
55) 4-Nitrophenol	9.93	139	27425	16.34	ng	# 71
56) 2,4-Dinitrotoluene	9.93	165	17598	4.55	ng	# 45
57) Fluorene	10.27	166	76382	6.28	ng	# 86
60) 4-Chlorophenyl-phenylether	10.27	204	656	Below Cal		# 1
65) n-Nitrosodiphenylamine	10.38	169	146586	16.14	ng	# 49
68) Atrazine	10.92	200	6892	2.27	ng	# 65
70) Phenanthrene	11.22	178	201990	12.81	ng	# 95
77) Pyrene	12.64	202	43129	2.11	ng	# 92

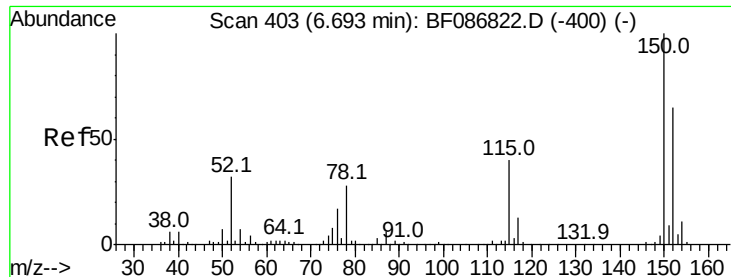
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 402

Delta R.T. -0.01 min

Lab File: BF086880.D

Acq: 11 May 2016 4:43

Instrument :

BNA_F

ClientSampleId :

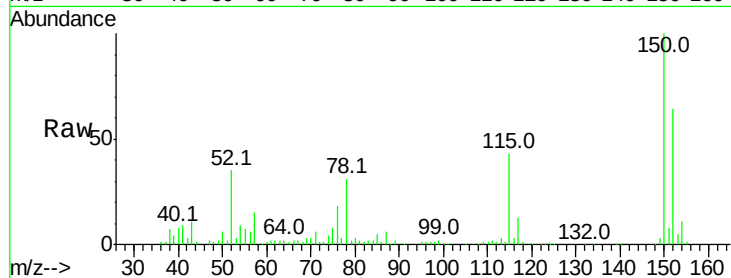
Tot Ion:152 Resp: 138269

Ion Ratio Lower Upper

152 100

150 156.3 125.8 188.6

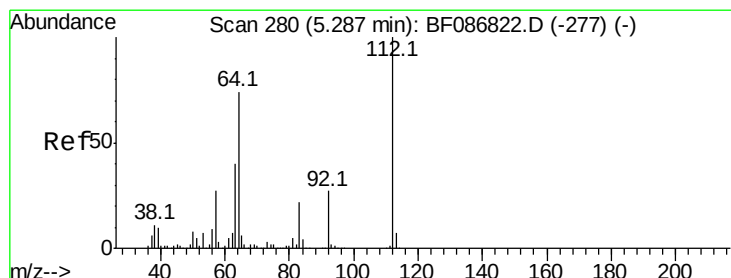
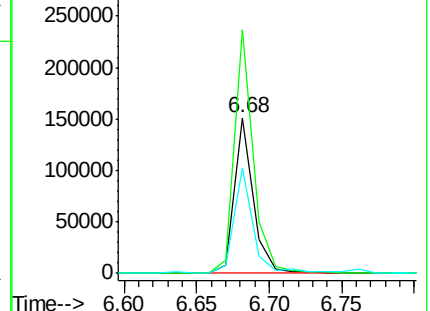
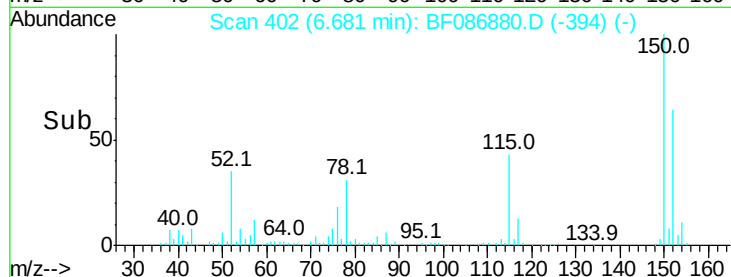
115 68.0 51.5 77.3



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: 19.98 ng

RT: 5.28 min Scan# 279

Delta R.T. -0.01 min

Lab File: BF086880.D

Acq: 11 May 2016 4:43

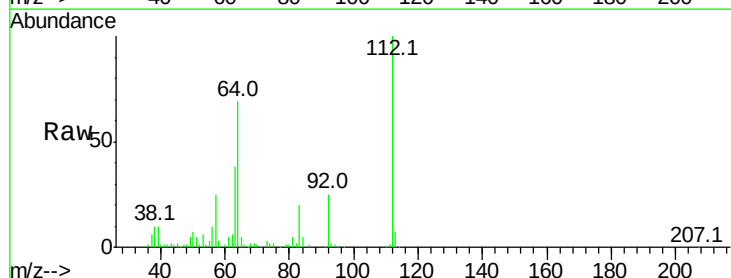
Tgt Ion:112 Resp: 163100

Ion Ratio Lower Upper

112 100

64 69.0 52.1 78.1

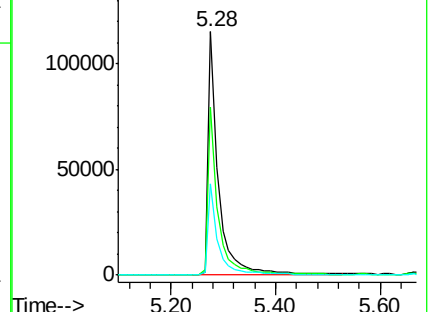
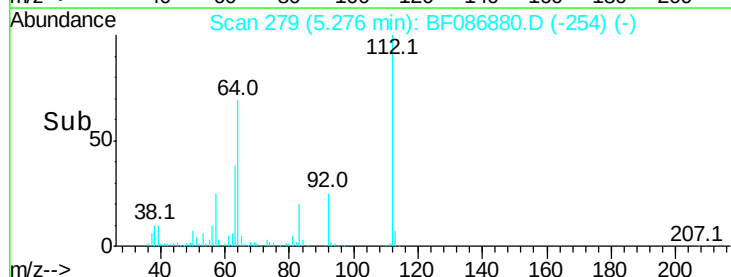
63 37.7 25.7 38.5

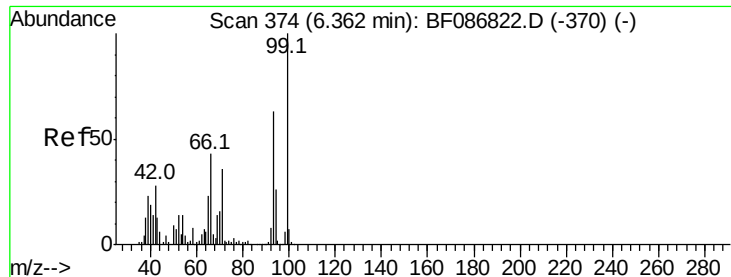


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 20.40 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.02 min

Lab File: BF086880.D

Acq: 11 May 2016 4:43

Instrument :

BNA_F

ClientSampleId :

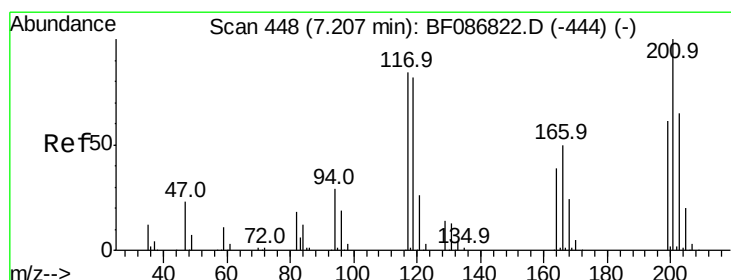
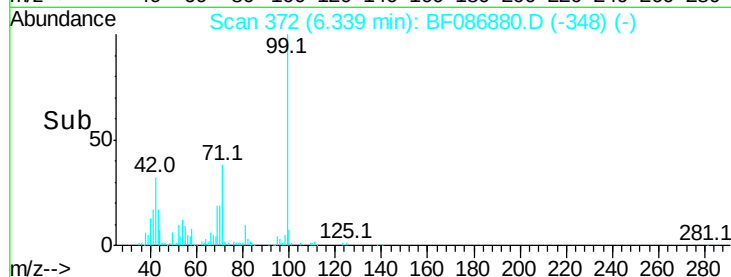
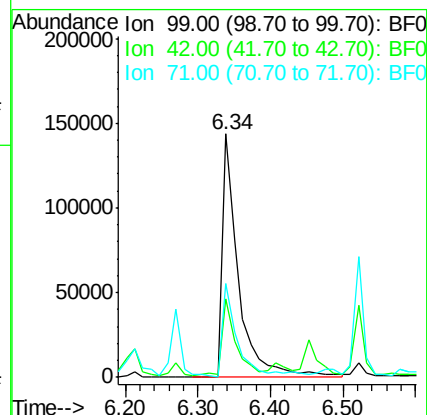
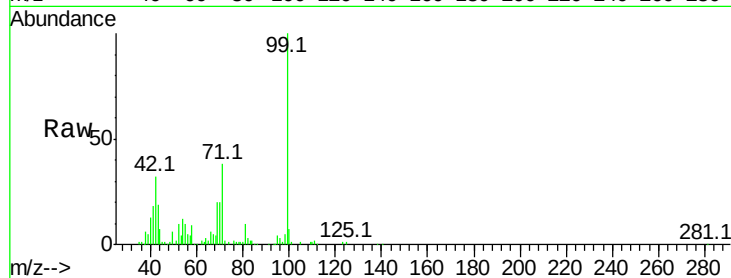
Tot Ion: 99 Resp: 222612

Ion Ratio Lower Upper

99 100

42 32.3 13.6 20.4#

71 38.5 24.6 36.8#



#18

Hexachloroethane

Concen: 5.49 ng

RT: 7.18 min Scan# 446

Delta R.T. -0.02 min

Lab File: BF086880.D

Acq: 11 May 2016 4:43

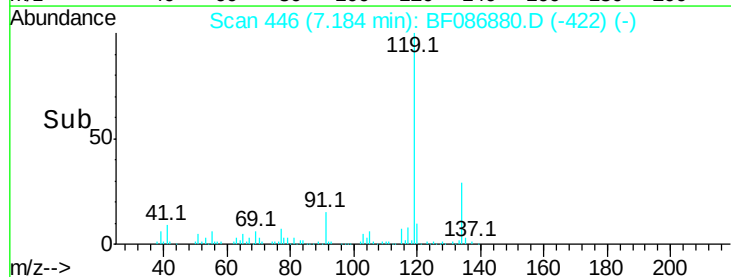
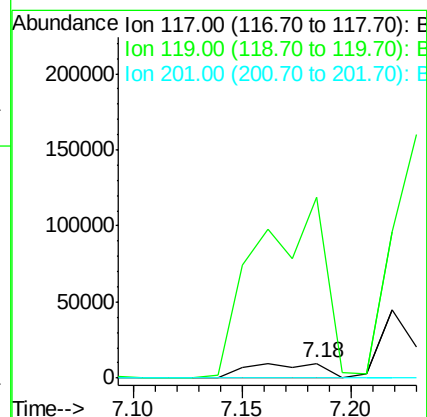
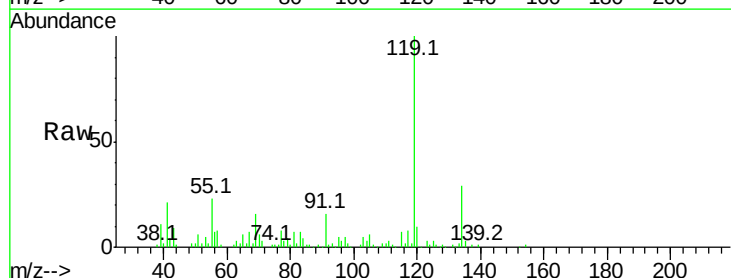
Tgt Ion: 117 Resp: 22458

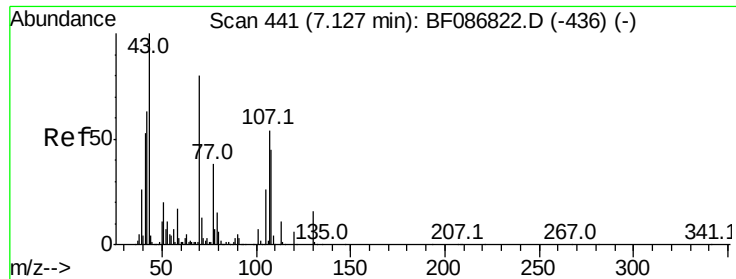
Ion Ratio Lower Upper

117 100

119 1234.9 76.5 114.7#

201 0.0 63.0 94.6#

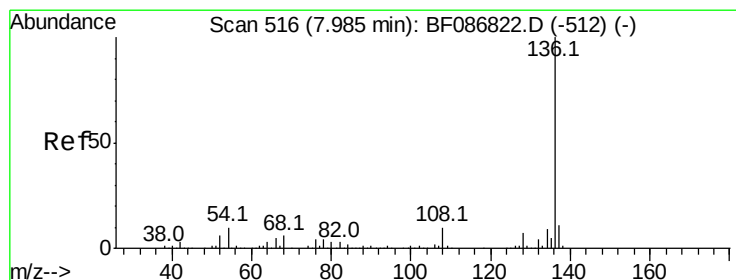
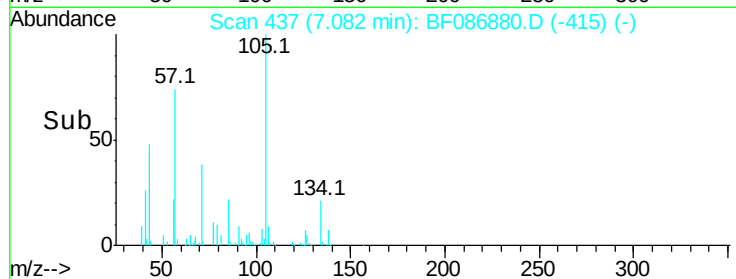
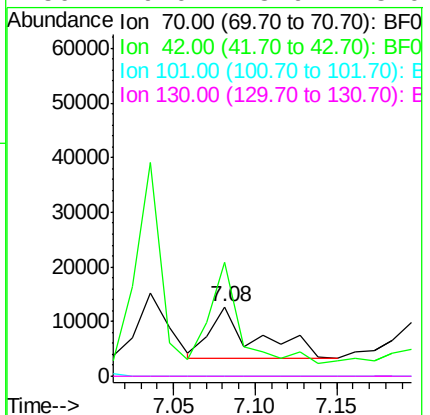
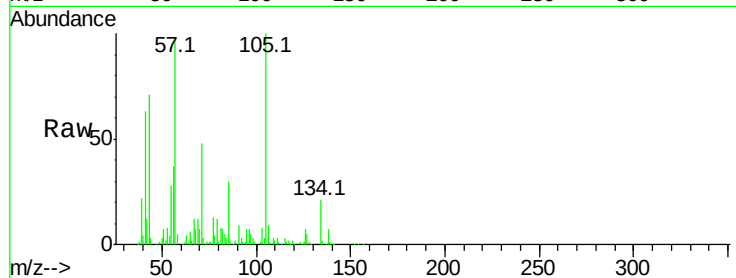




#19
n-Nitroso-di-n-propylamine
Concen: 2.42 ng
RT: 7.08 min Scan# 437
Delta R.T. -0.05 min
Lab File: BF086880.D
Acq: 11 May 2016 4:43

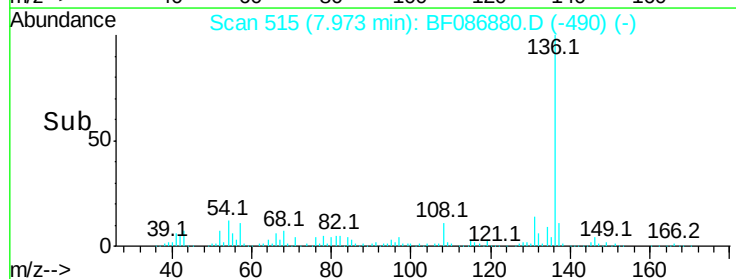
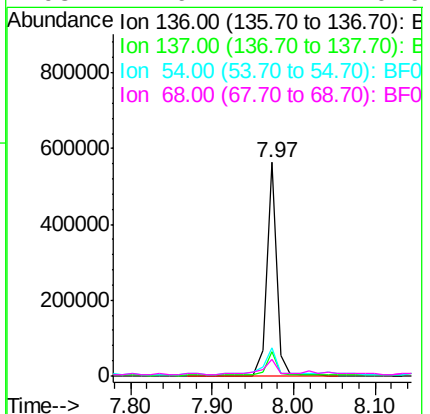
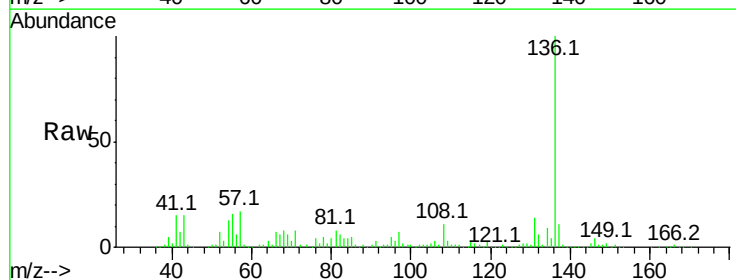
Instrument :
BNA_F
ClientSampleId :

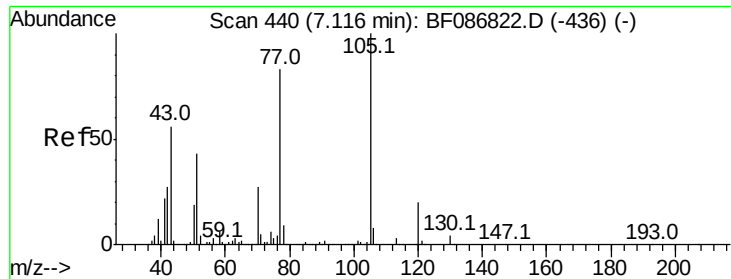
Tot Ion: 70 Resp: 18481
Ion Ratio Lower Upper
70 100
42 162.8 43.1 64.7#
101 0.0 8.1 12.1#
130 0.0 18.6 28.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.97 min Scan# 515
Delta R.T. -0.01 min
Lab File: BF086880.D
Acq: 11 May 2016 4:43

Tgt Ion:136 Resp: 485888
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 13.1 5.0 7.4#
68 7.6 4.4 6.6#





#22

Acetophenone

Concen: 13.09 ng

RT: 7.08 min Scan# 437

Delta R.T. -0.03 min

Lab File: BF086880.D

Acq: 11 May 2016 4:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 150219

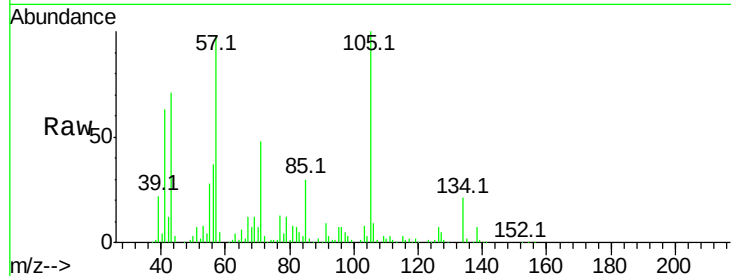
Ion Ratio Lower Upper

105 100

71 47.7 4.8 7.2#

51 6.9 32.6 49.0#

120 0.2 16.5 24.7#



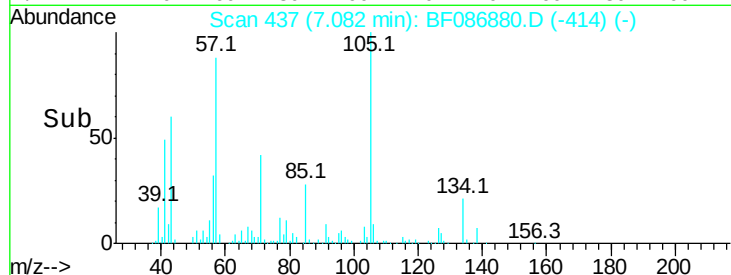
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

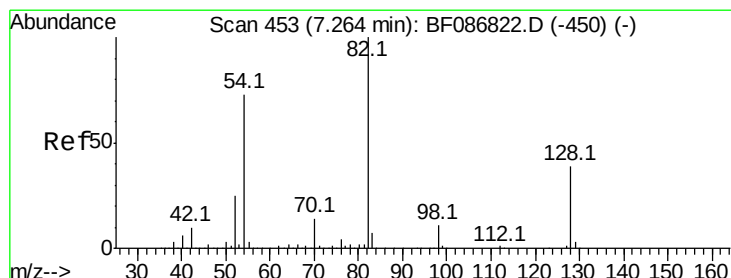
Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

Time-->



Time-->



#23

Nitrobenzene-d5

Concen: 16.66 ng

RT: 7.25 min Scan# 452

Delta R.T. -0.01 min

Lab File: BF086880.D

Acq: 11 May 2016 4:43

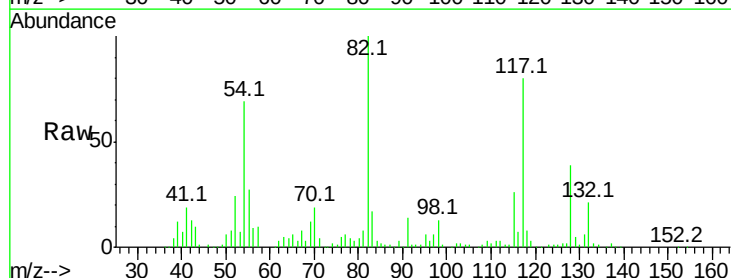
Tgt Ion: 82 Resp: 161185

Ion Ratio Lower Upper

82 100

128 39.5 40.6 61.0#

54 68.6 38.1 57.1#

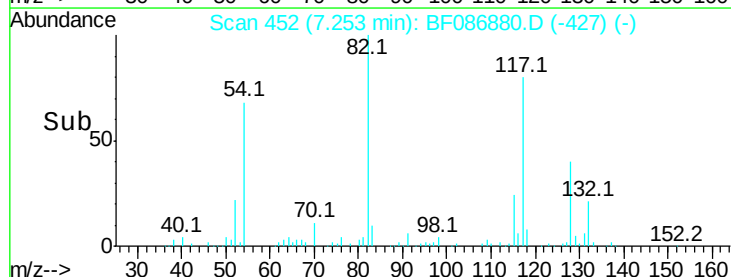


Abundance Ion 82.00 (81.70 to 82.70): BF0

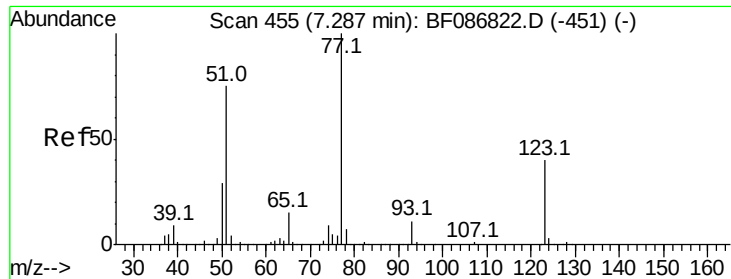
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time-->



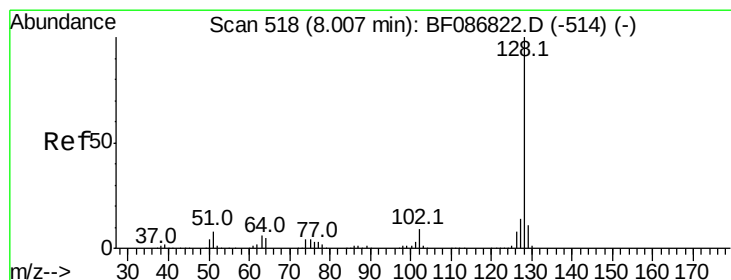
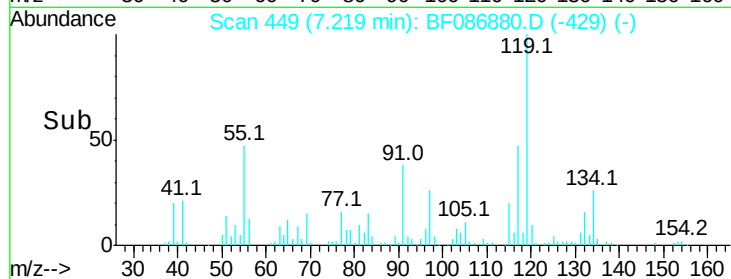
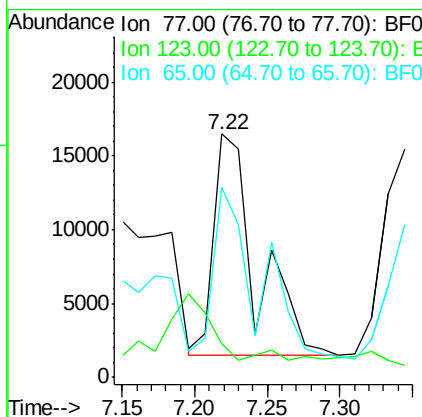
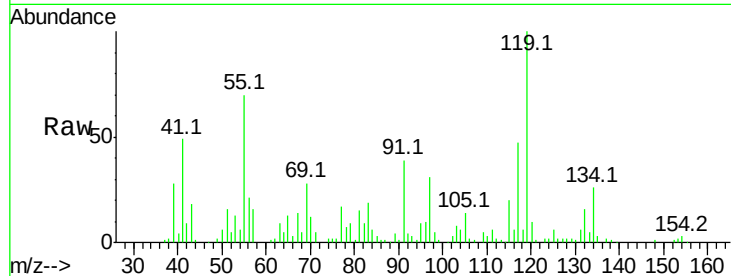
Time-->



#24
Nitrobenzene
Concen: 3.05 ng
RT: 7.22 min Scan# 449
Delta R.T. -0.07 min
Lab File: BF086880.D
Acq: 11 May 2016 4:43

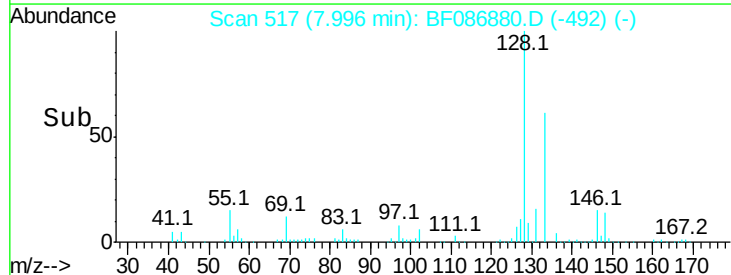
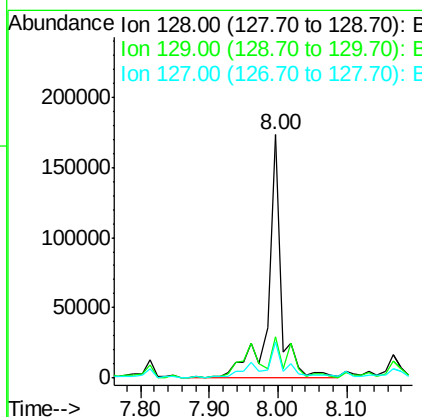
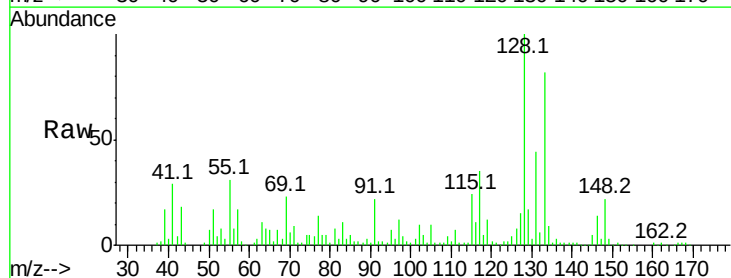
Instrument :
BNA_F
ClientSampled :

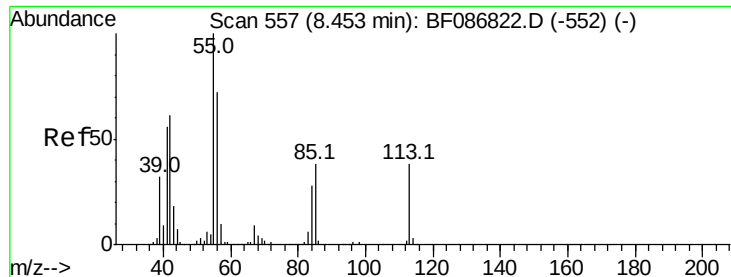
Tot Ion: 77 Resp: 30331
Ion Ratio Lower Upper
77 100
123 13.9 33.0 49.4#
65 77.9 10.8 16.2#



#31
Naphthalene
Concen: 9.34 ng
RT: 8.00 min Scan# 517
Delta R.T. -0.01 min
Lab File: BF086880.D
Acq: 11 May 2016 4:43

Tgt Ion: 128 Resp: 227282
Ion Ratio Lower Upper
128 100
129 17.0 8.6 13.0#
127 14.9 10.8 16.2





#35

Caprolactam

Concen: 17.97 ng

RT: 8.41 min Scan# 553

Delta R.T. -0.05 min

Lab File: BF086880.D

Acq: 11 May 2016 4:43

Instrument :

BNA_F

ClientSampleId :

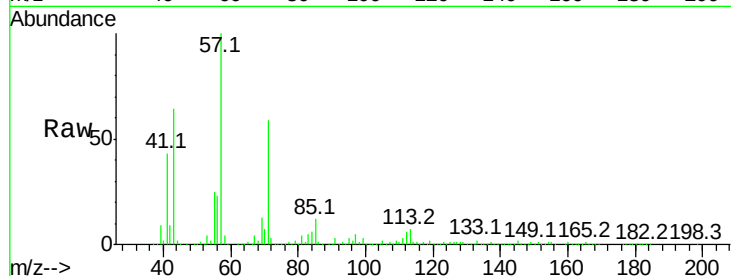
Tot Ion:113 Resp: 40115

Ion Ratio Lower Upper

113 100

55 361.0 162.0 202.0#

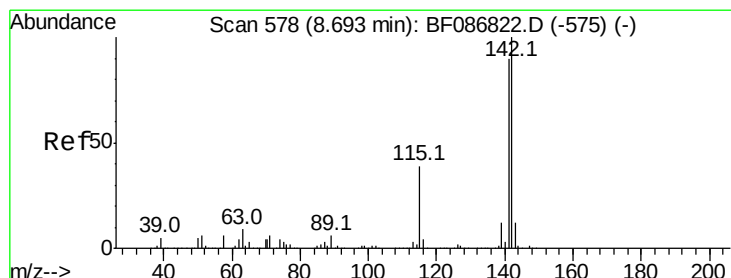
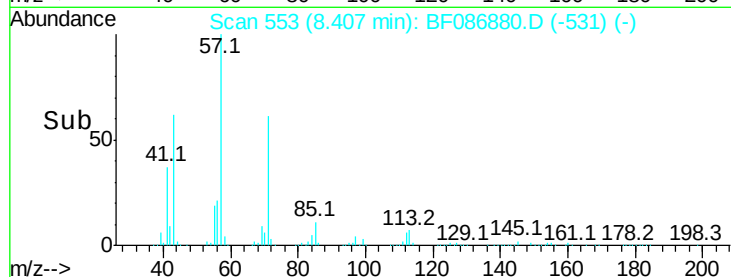
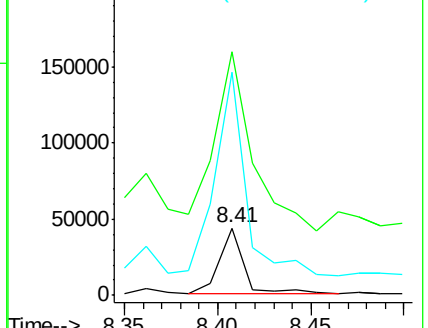
56 331.5 115.3 155.3#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#37

2-Methylnaphthalene

Concen: 38.27 ng

RT: 8.69 min Scan# 578

Delta R.T. -0.00 min

Lab File: BF086880.D

Acq: 11 May 2016 4:43

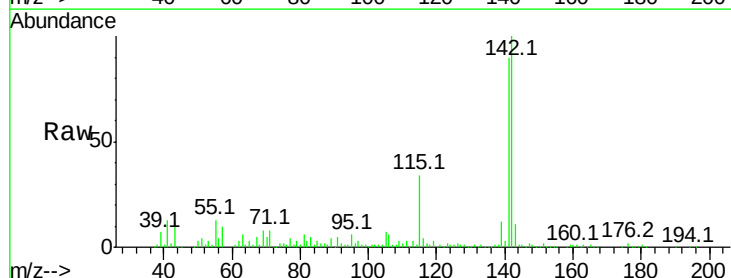
Tgt Ion:142 Resp: 544551

Ion Ratio Lower Upper

142 100

141 90.5 71.0 106.6

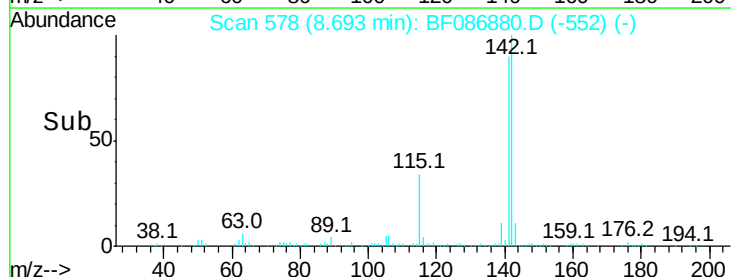
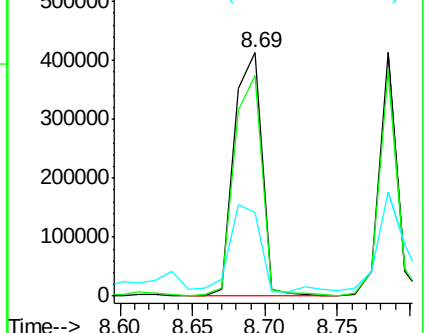
115 34.1 26.6 39.8

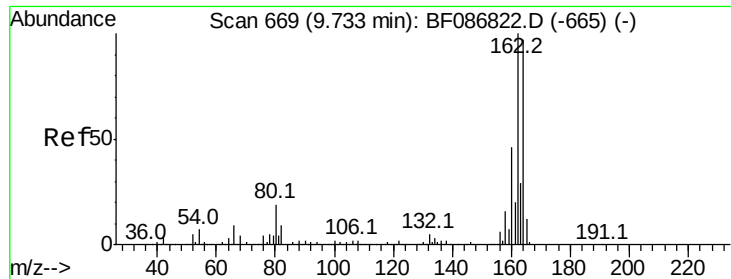


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

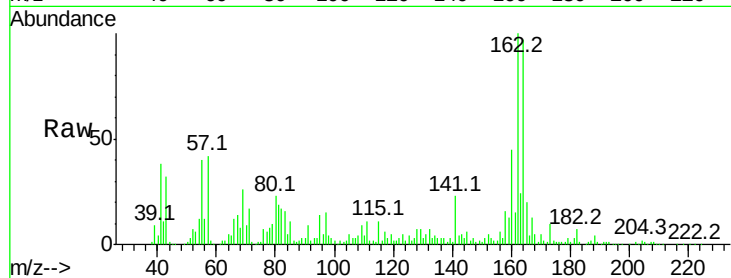




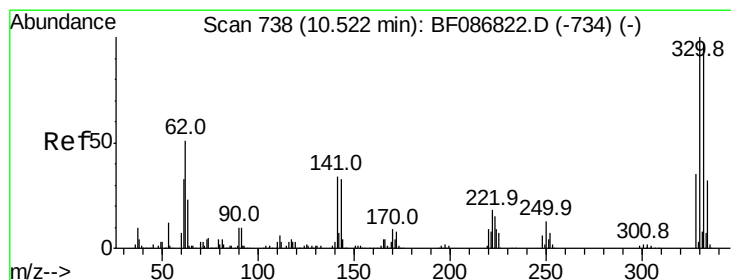
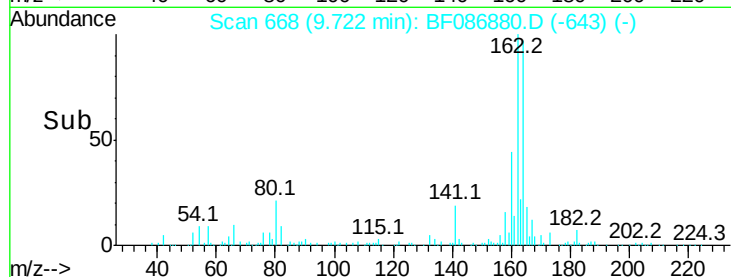
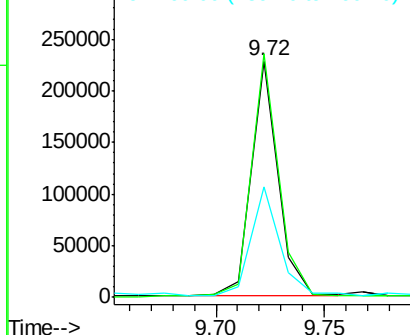
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.72 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF086880.D
Acq: 11 May 2016 4:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 194805
Ion Ratio Lower Upper
164 100
162 102.9 82.8 124.2
160 46.5 36.9 55.3

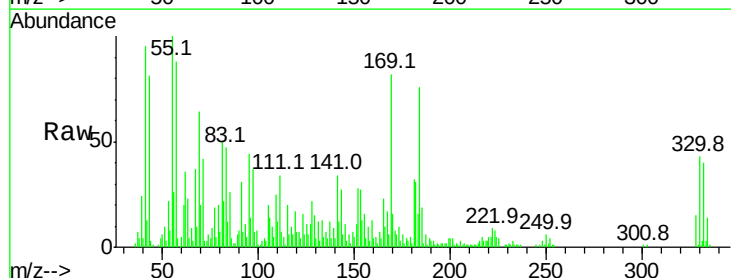


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

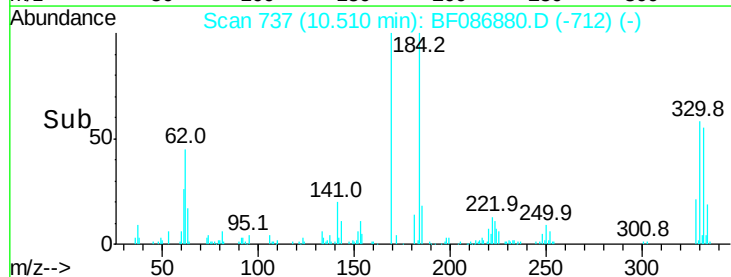
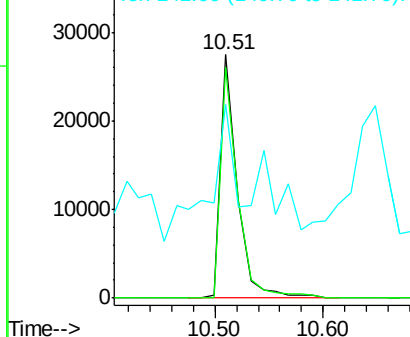


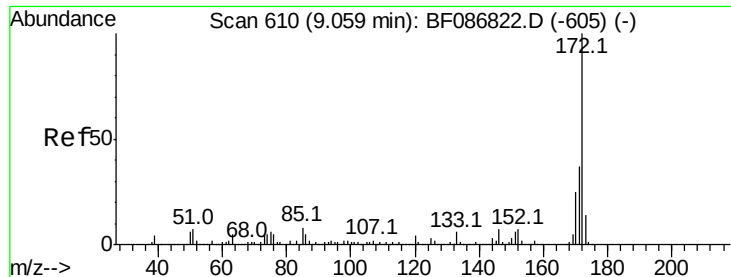
#41
2,4,6-Tribromophenol
Concen: 14.49 ng
RT: 10.51 min Scan# 737
Delta R.T. -0.01 min
Lab File: BF086880.D
Acq: 11 May 2016 4:43

Tgt Ion:330 Resp: 29881
Ion Ratio Lower Upper
330 100
332 96.5 79.0 118.4
141 91.8 31.2 46.8#



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: 20.00 ng

RT: 9.05 min Scan# 609

Delta R.T. -0.01 min

Lab File: BF086880.D

Acq: 11 May 2016 4:43

Instrument :

BNA_F

ClientSampleId :

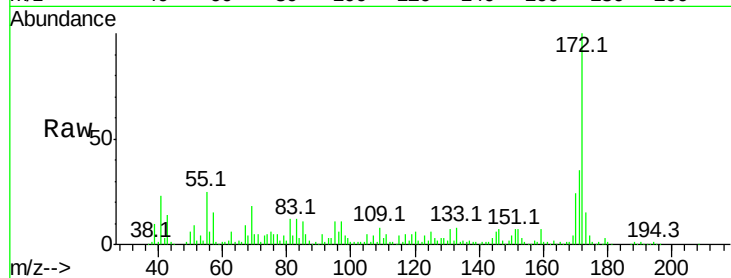
Tot Ion:172 Resp: 231791

Ion Ratio Lower Upper

172 100

171 35.4 29.0 43.6

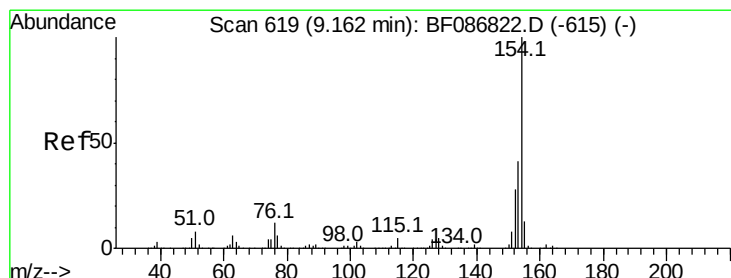
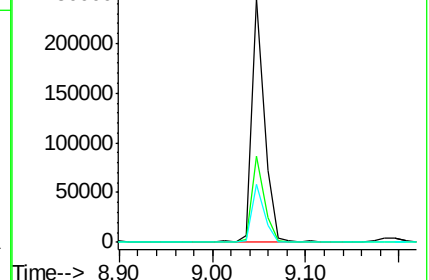
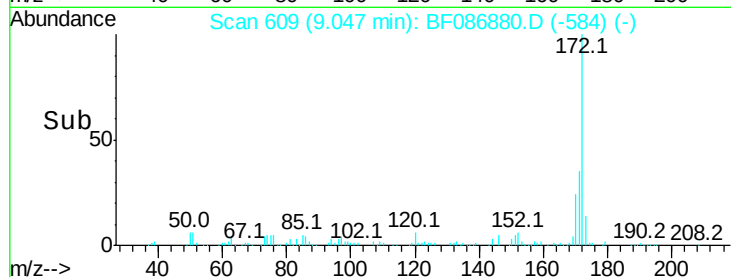
170 23.6 19.8 29.8



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



#45

1,1'-Biphenyl

Concen: 6.67 ng

RT: 9.15 min Scan# 618

Delta R.T. -0.01 min

Lab File: BF086880.D

Acq: 11 May 2016 4:43

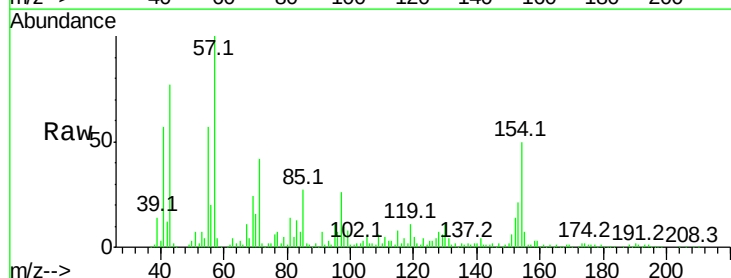
Tgt Ion:154 Resp: 103345

Ion Ratio Lower Upper

154 100

153 41.1 20.3 60.3

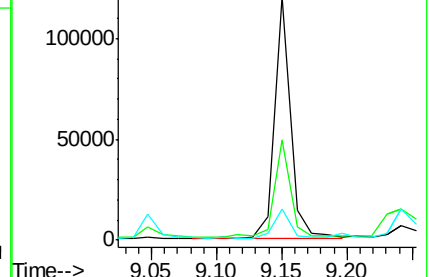
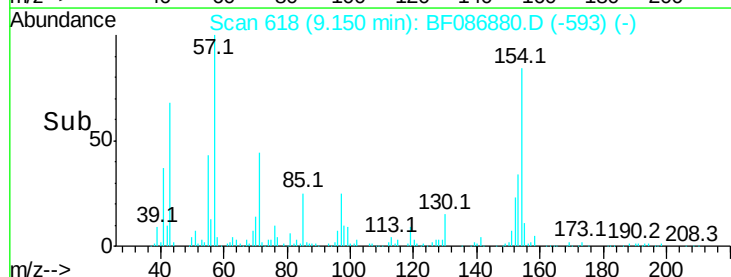
76 12.7 0.0 30.2

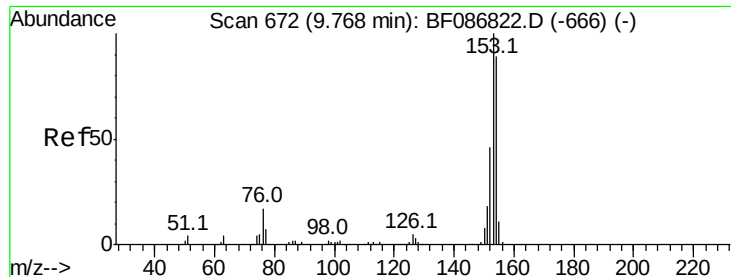


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





#51

Acenaphthene

Concen: 3.58 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.01 min

Lab File: BF086880.D

Acq: 11 May 2016 4:43

Instrument :

BNA_F

ClientSampleId :

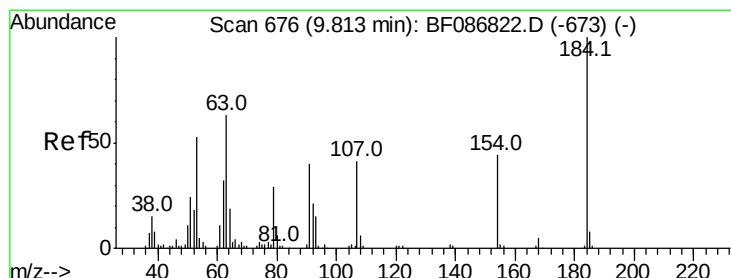
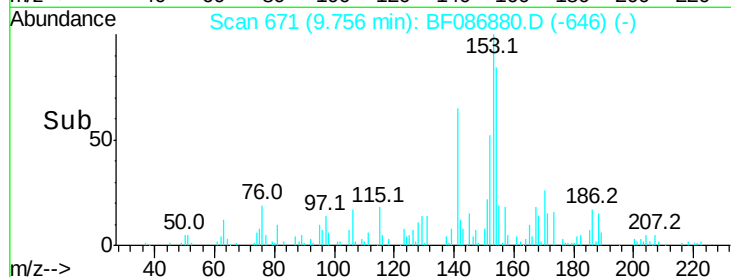
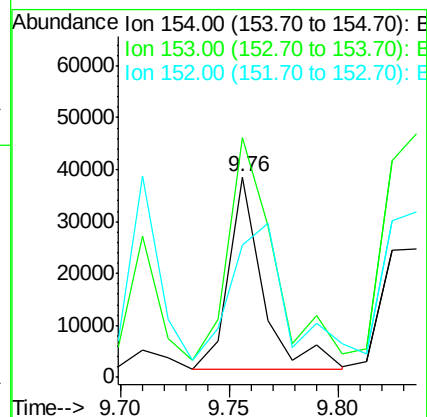
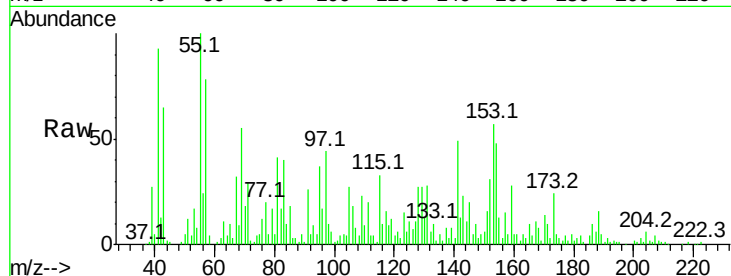
Tot Ion:154 Resp: 39737

Ion Ratio Lower Upper

154 100

153 119.9 89.8 134.6

152 66.1 43.4 65.0#



#53

2,4-Dinitrophenol

Concen: 7.83 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF086880.D

Acq: 11 May 2016 4:43

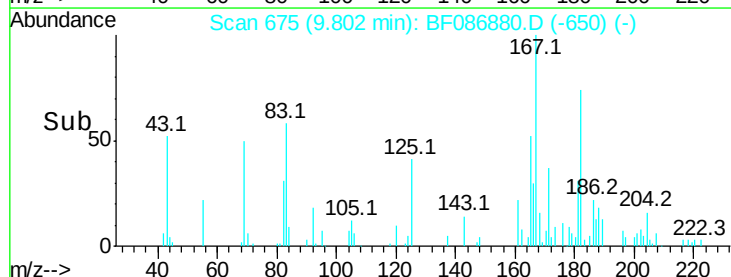
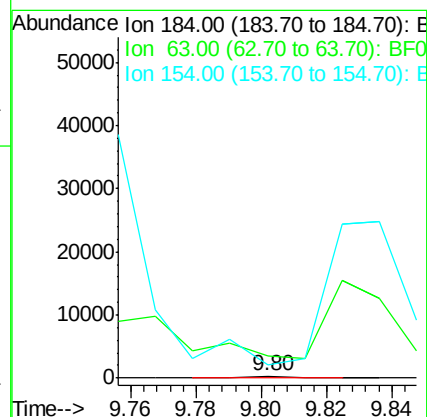
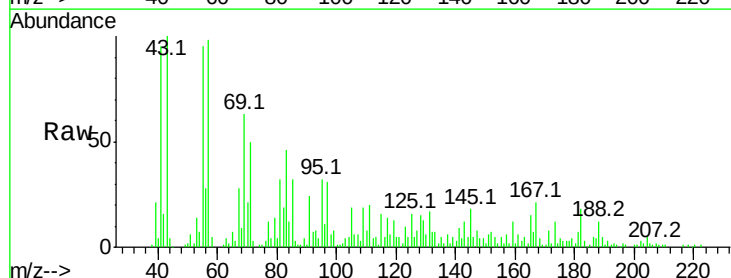
Tgt Ion:184 Resp: 242

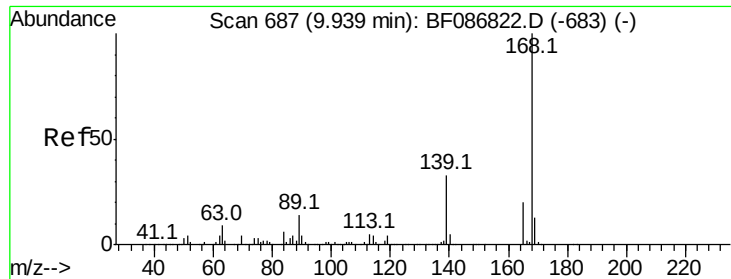
Ion Ratio Lower Upper

184 100

63 973.4 55.8 83.8#

154 573.7 62.4 93.6#





#54

Dibenzofuran

Concen: 2.06 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF086880.D

Acq: 11 May 2016 4:43

Instrument :

BNA_F

ClientSampled :

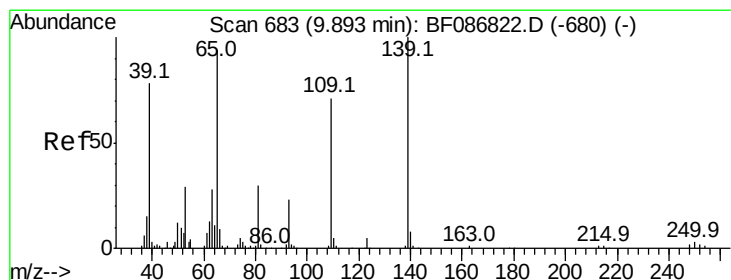
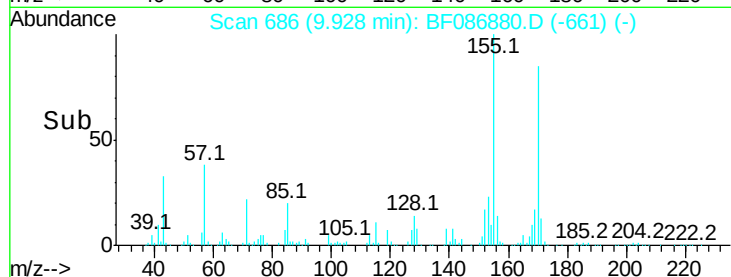
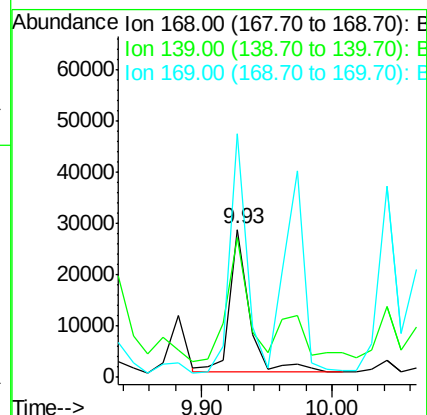
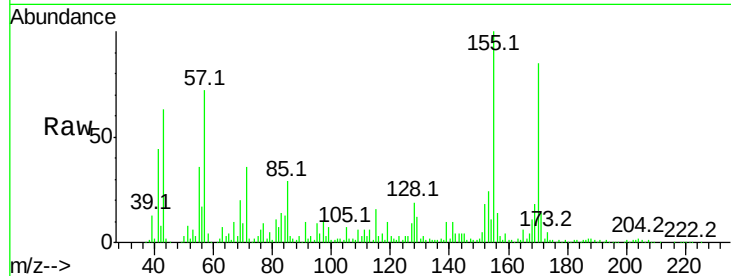
Tot Ion:168 Resp: 29440

Ion Ratio Lower Upper

168 100

139 95.0 31.4 47.0#

169 164.7 10.7 16.1#



#55

4-Nitrophenol

Concen: 16.34 ng

RT: 9.93 min Scan# 686

Delta R.T. 0.03 min

Lab File: BF086880.D

Acq: 11 May 2016 4:43

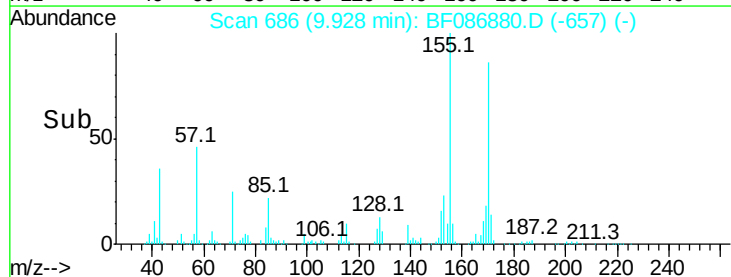
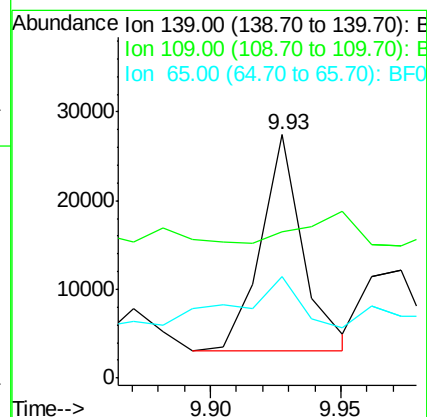
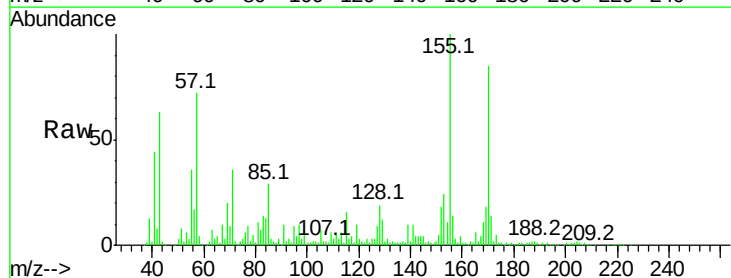
Tgt Ion:139 Resp: 27425

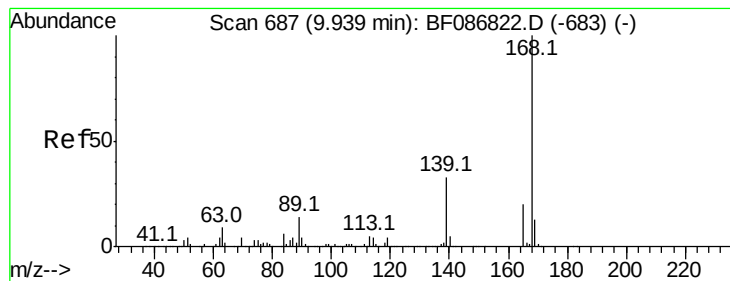
Ion Ratio Lower Upper

139 100

109 60.2 36.9 76.9

65 41.9 64.0 104.0#





#56

2,4-Dinitrotoluene

Concen: 4.55 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF086880.D

Acq: 11 May 2016 4:43

Instrument :

BNA_F

ClientSampled :

Tot Ion:165 Resp: 17598

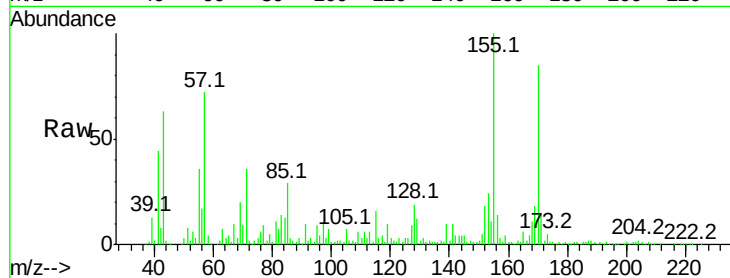
Ion Ratio Lower Upper

165 100

63 113.0 44.3 66.5#

89 49.7 70.0 105.0#

182 10.1 1.8 2.6#

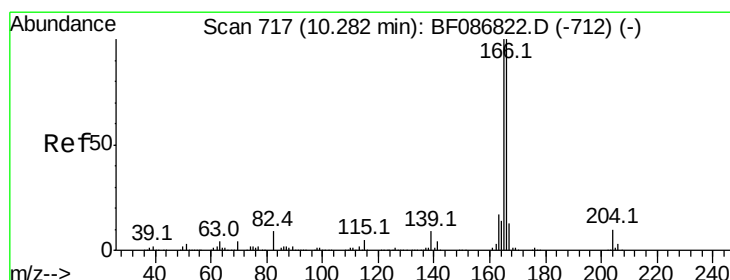
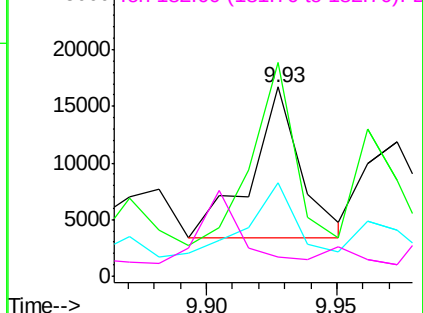
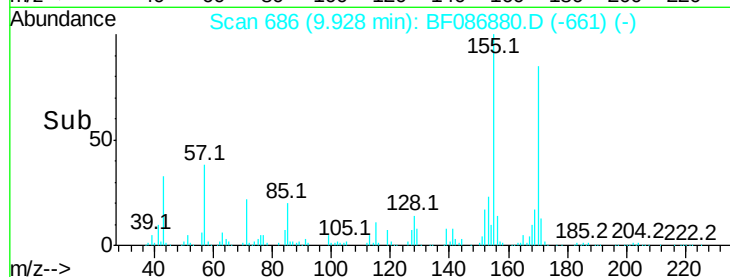


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: 6.28 ng

RT: 10.27 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF086880.D

Acq: 11 May 2016 4:43

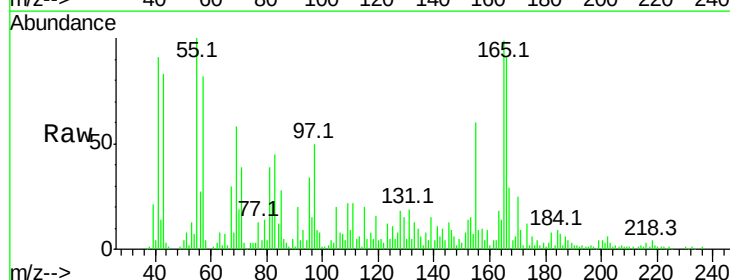
Tgt Ion:166 Resp: 76382

Ion Ratio Lower Upper

166 100

165 108.7 79.0 118.6

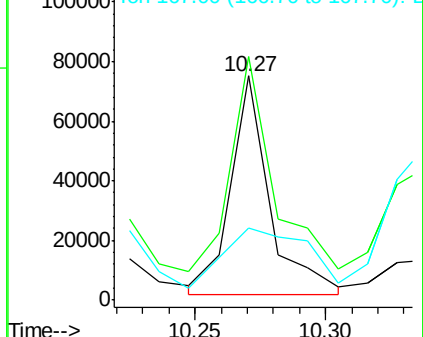
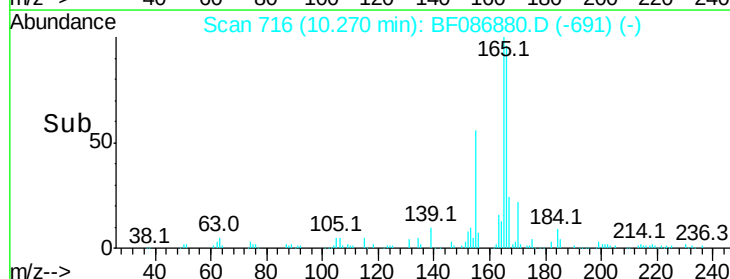
167 32.2 10.6 15.8#

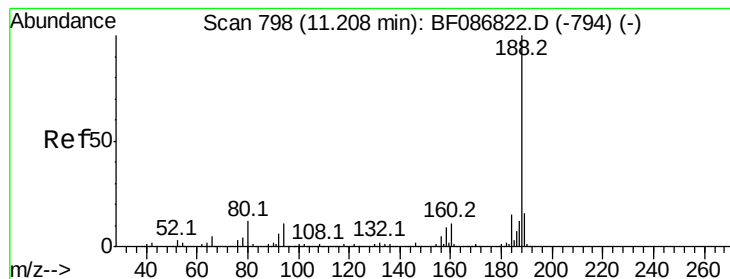


Abundance Ion 166.00 (165.70 to 166.70): E

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: 11.20 min Scan# 797

Delta R.T. -0.01 min

Lab File: BF086880.D

Acq: 11 May 2016 4:43

Instrument :

BNA_F

ClientSampleId :

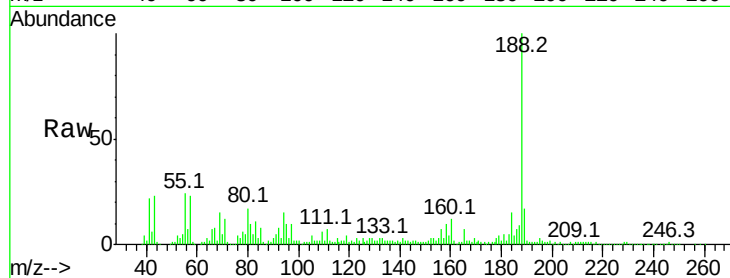
Tot Ion:188 Resp: 295572

Ion Ratio Lower Upper

188 100

94 14.7 6.8 10.2#

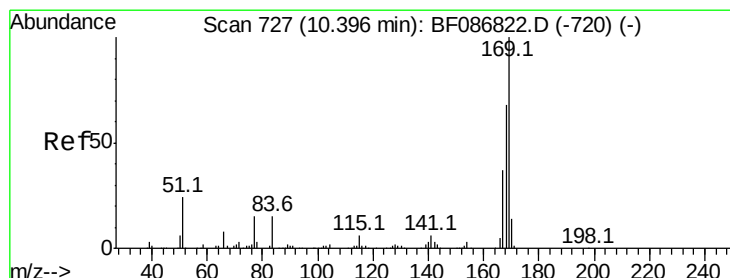
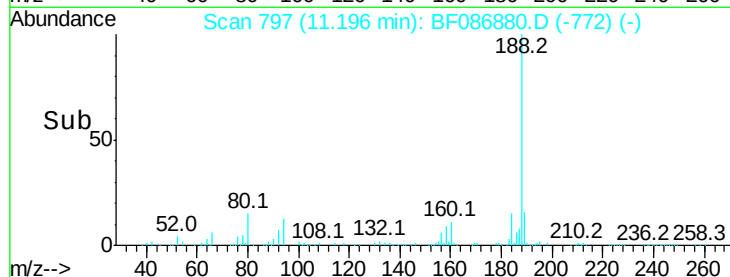
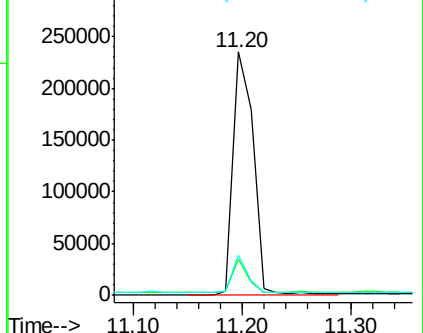
80 16.6 7.1 10.7#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#65

n-Nitrosodiphenylamine

Concen: 16.14 ng

RT: 10.38 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF086880.D

Acq: 11 May 2016 4:43

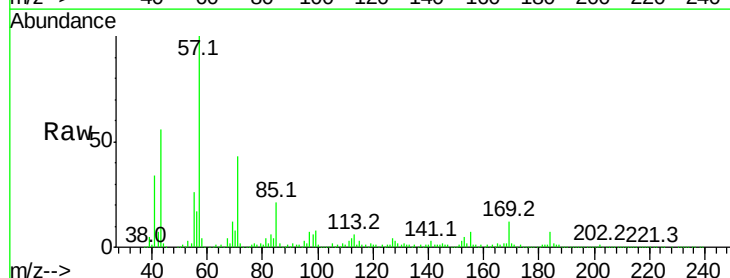
Tgt Ion:169 Resp: 146586

Ion Ratio Lower Upper

169 100

168 21.4 53.8 80.6#

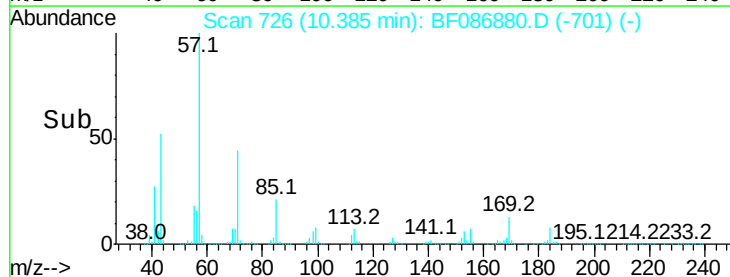
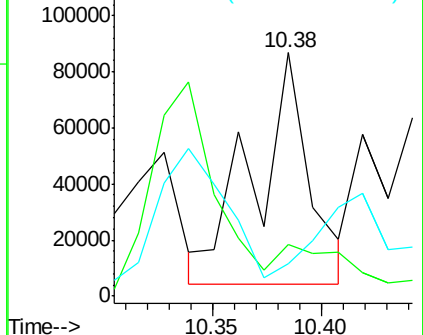
167 13.2 29.5 44.3#

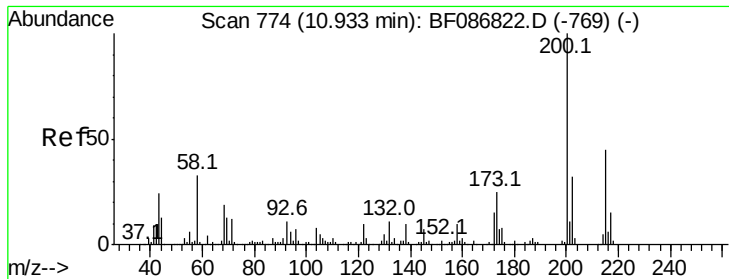


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#68

Atrazine

Concen: 2.27 ng

RT: 10.92 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF086880.D

Acq: 11 May 2016 4:43

Instrument :

BNA_F

ClientSampled :

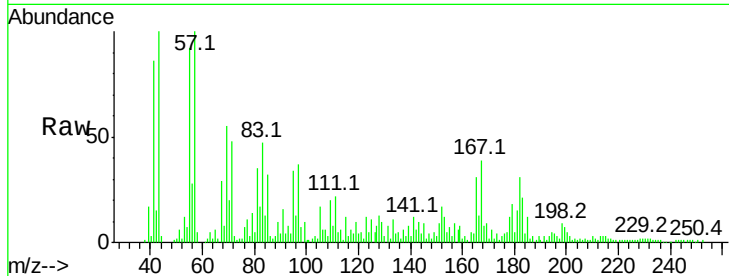
Tot Ion:200 Resp: 6892

Ion Ratio Lower Upper

200 100

173 74.6 8.5 48.5#

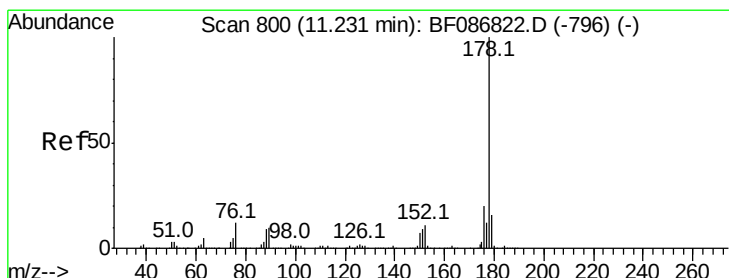
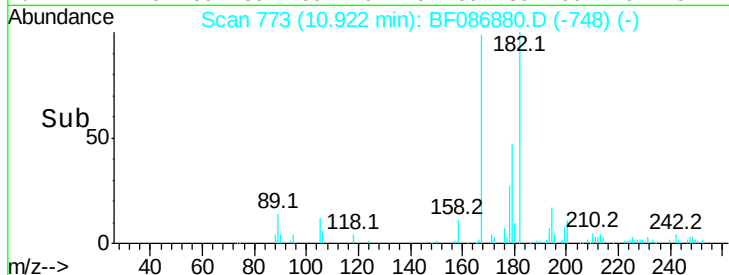
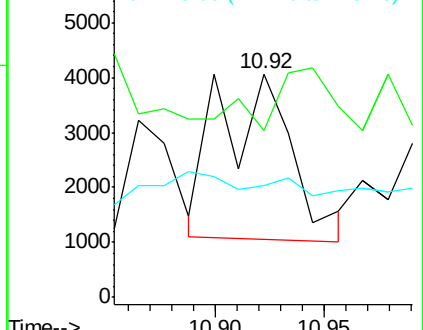
215 49.8 27.2 67.2



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Phenanthrene

Concen: 12.81 ng

RT: 11.22 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF086880.D

Acq: 11 May 2016 4:43

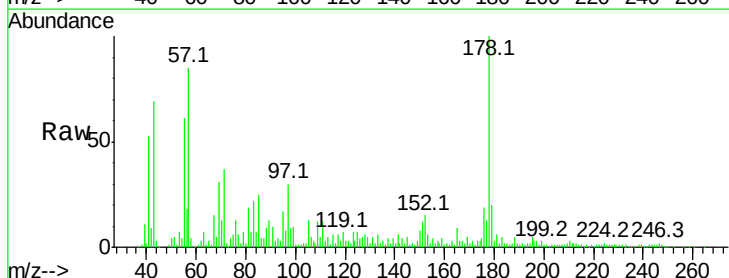
Tgt Ion:178 Resp: 201990

Ion Ratio Lower Upper

178 100

176 19.3 16.0 24.0

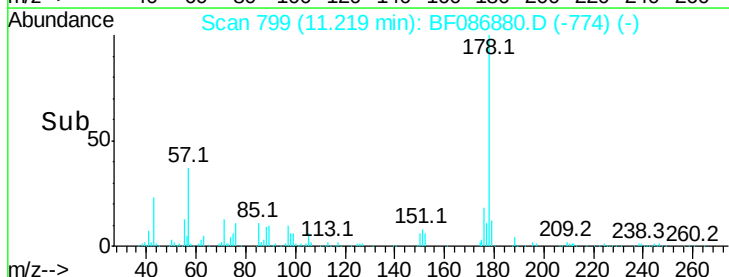
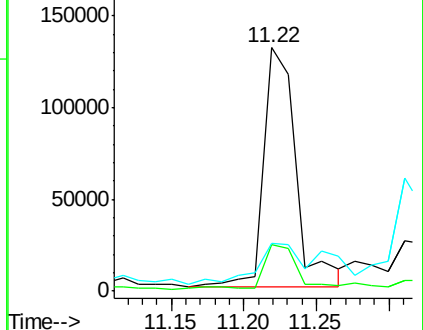
179 19.7 12.6 18.8#

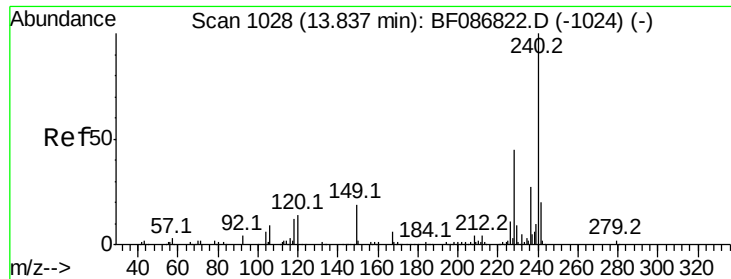


Abundance Ion 178.00 (177.70 to 178.70): E

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: 13.83 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF086880.D

Acq: 11 May 2016 4:43

Instrument :

BNA_F

ClientSampleId :

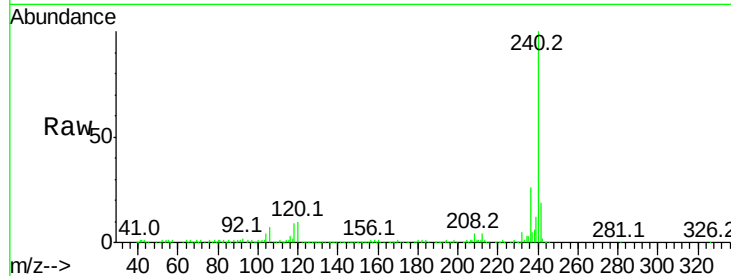
Tot Ion:240 Resp: 266872

Ion Ratio Lower Upper

240 100

120 9.5 11.2 16.8#

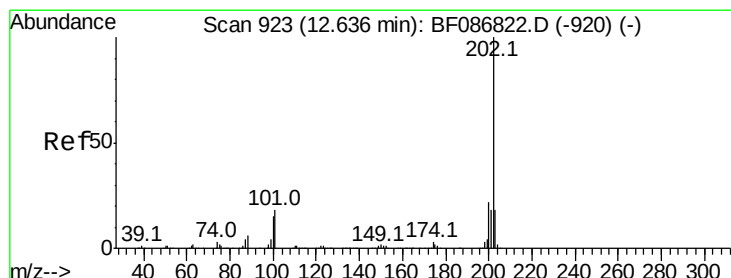
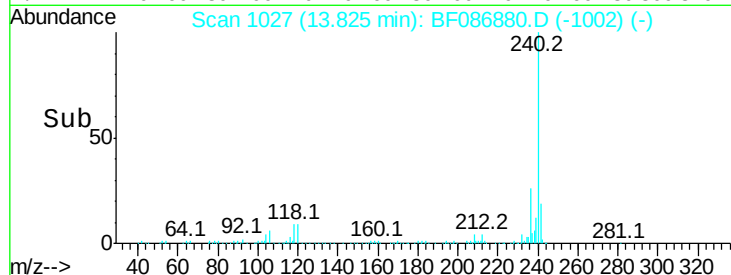
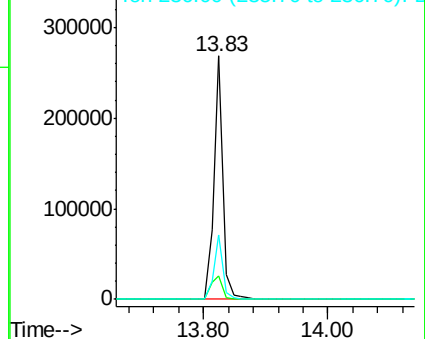
236 26.4 21.2 31.8



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: 2.11 ng

RT: 12.64 min Scan# 923

Delta R.T. -0.00 min

Lab File: BF086880.D

Acq: 11 May 2016 4:43

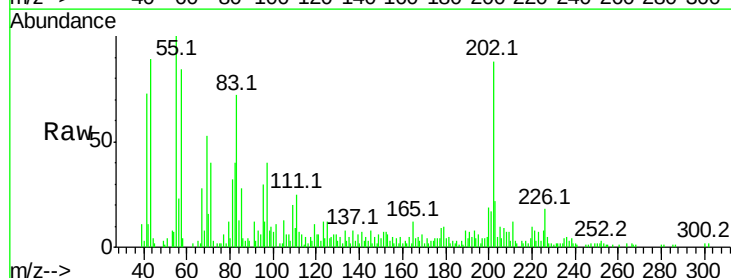
Tgt Ion:202 Resp: 43129

Ion Ratio Lower Upper

202 100

200 22.1 17.7 26.5

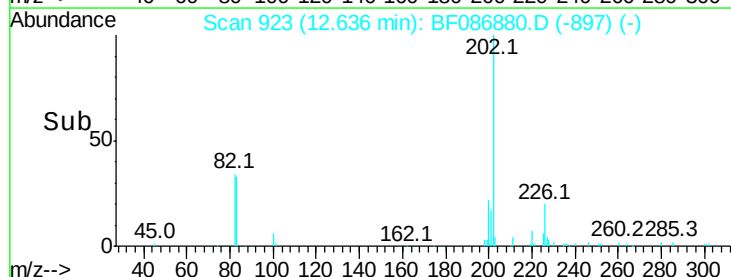
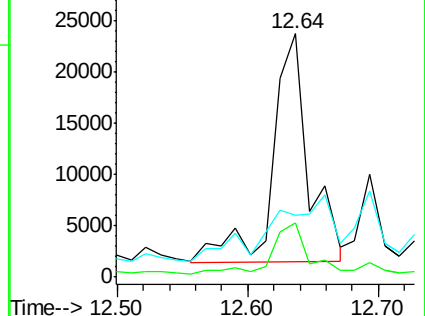
203 25.5 14.2 21.4#

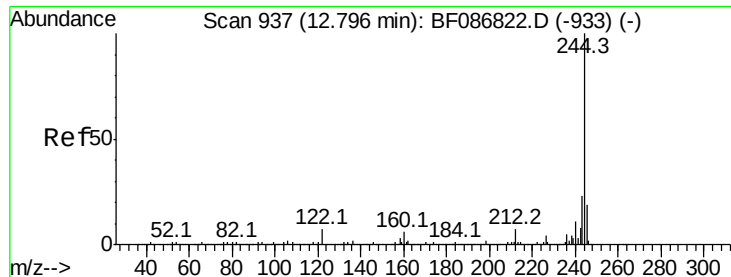


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

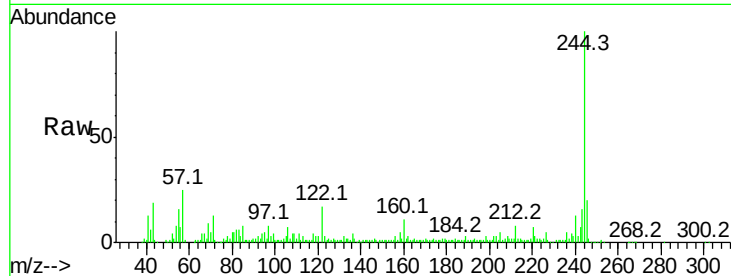




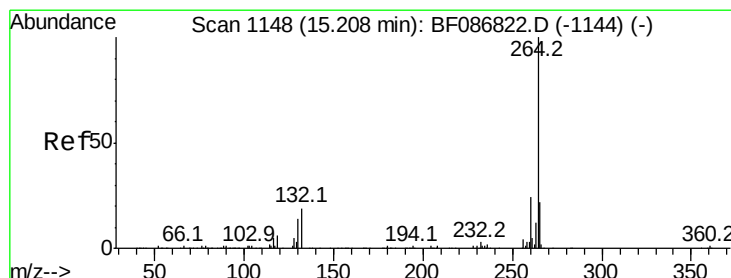
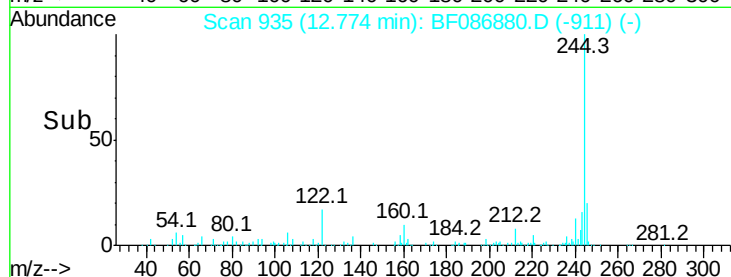
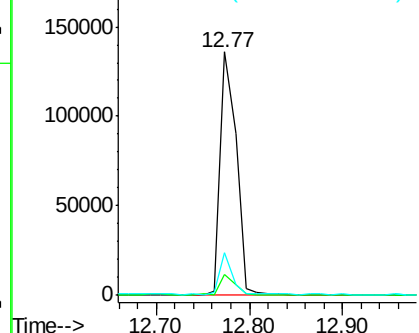
#78
 Terphenyl-d14
 Concen: 12.96 ng
 RT: 12.77 min Scan# 935
 Delta R.T. -0.02 min
 Lab File: BF086880.D
 Acq: 11 May 2016 4:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 163032
 Ion Ratio Lower Upper
 244 100
 212 8.5 6.2 9.2
 122 17.4 12.0 18.0

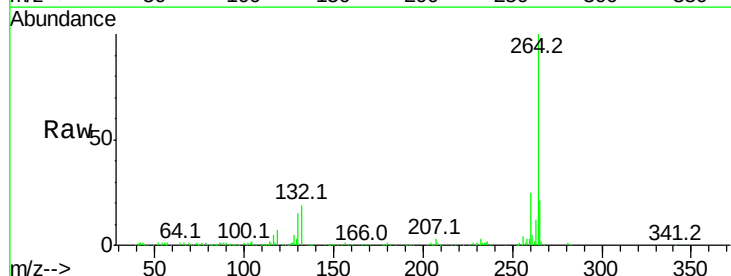


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.20 min Scan# 1147
 Delta R.T. -0.01 min
 Lab File: BF086880.D
 Acq: 11 May 2016 4:43

Tgt Ion:264 Resp: 229726
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.5 29.3
 265 20.8 17.3 25.9



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

