

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
 Data File : BF095138.D
 Acq On : 15 May 2017 21:56
 Operator : SJ/MA
 Sample : I3140-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 16 05:59:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

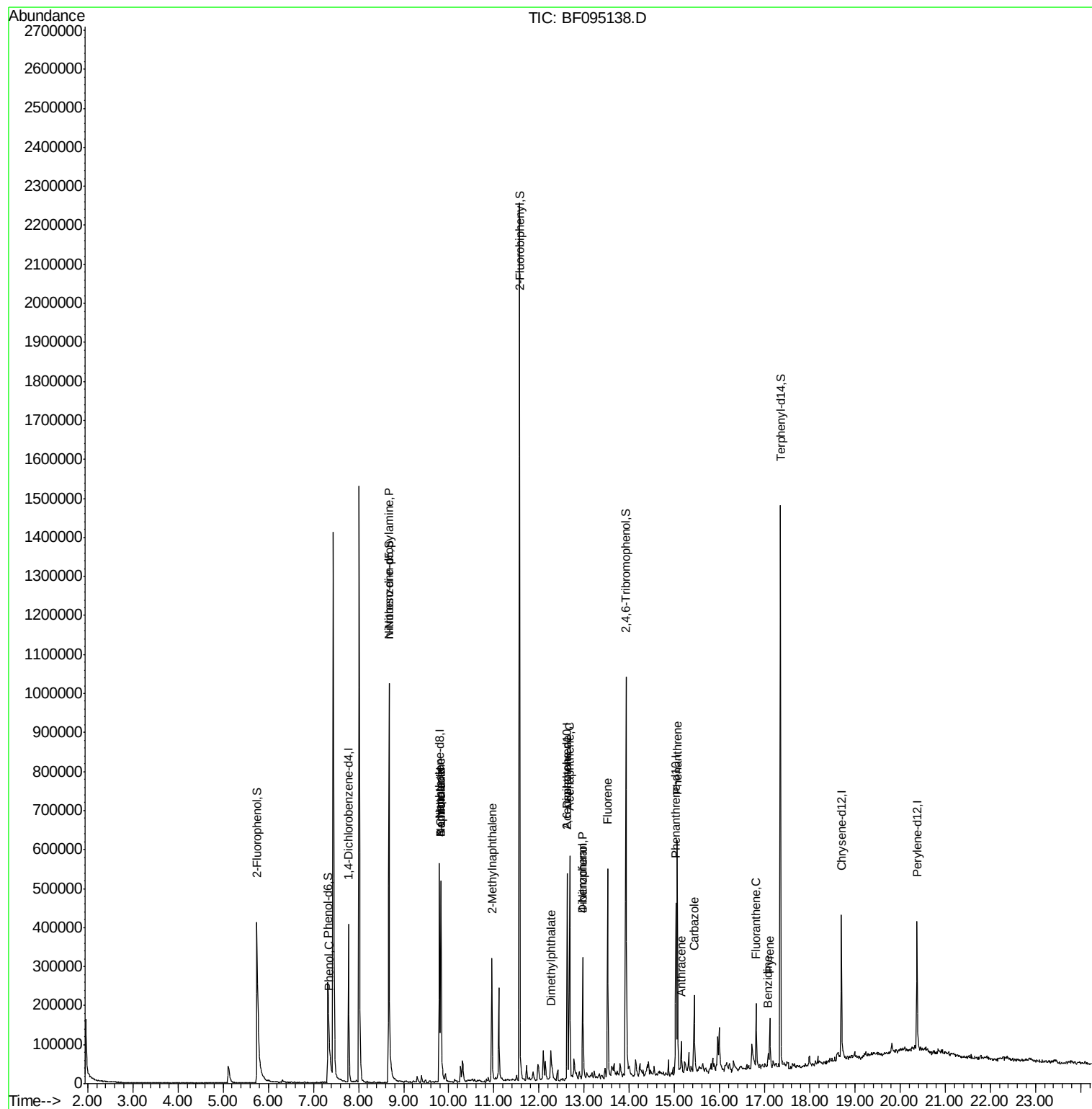
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	87072	20.00	ng	0.05
21) Naphthalene-d8	9.80	136	348855	20.00	ng	0.04
38) Acenaphthene-d10	12.62	164	141310	20.00	ng	0.04
63) Phenanthrene-d10	15.03	188	212551	20.00	ng	0.05
75) Chrysene-d12	18.70	240	161664	20.00	ng	0.05
86) Perylene-d12	20.37	264	150044	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.75	112	345176	66.09	ng	0.07
7) Phenol-d6	7.32	99	260808	41.62	ng	0.05
23) Nitrobenzene-d5	8.68	82	499754	90.33	ng	0.04
41) 2,4,6-Tribromophenol	13.92	330	159928	138.19	ng	0.04
44) 2-Fluorobiphenyl	11.57	172	1001245	101.98	ng	0.04
78) Terphenyl-d14	17.35	244	517256	70.47	ng	0.04
Target Compounds						Qvalue
10) Phenol	7.35	94	17374	2.63	ng	79
19) n-Nitroso-di-n-propylamine	8.68	70	61942	14.62	ng	# 76
31) Naphthalene	9.82	128	339565	19.37	ng	100
32) Benzoic acid	9.82	122	803	5.30	ng	# 1
33) 4-Chloroaniline	9.82	127	44253	6.77	ng	# 34
37) 2-Methylnaphthalene	10.95	142	128352	11.15	ng	96
49) Dimethylphthalate	12.26	163	44211	3.81	ng	100
50) 2,6-Dinitrotoluene	12.62	165	15211	6.43	ng	# 35
51) Acenaphthene	12.68	154	171759	19.11	ng	98
54) Dibenzofuran	12.97	168	191225	15.38	ng	95
55) 4-Nitrophenol	12.97	139	66914	43.86	ng	# 28
57) Fluorene	13.52	166	210573	19.47	ng	99
70) Phenanthrene	15.07	178	298535	24.44	ng	97
71) Anthracene	15.15	178	42298	3.39	ng	94
72) Carbazole	15.44	167	134346	11.84	ng	97
74) Fluoranthene	16.81	202	80550	6.43	ng	98
76) Benzidine	17.07	184	224	6.63	ng	# 1
77) Pyrene	17.11	202	53789	4.45	ng	96

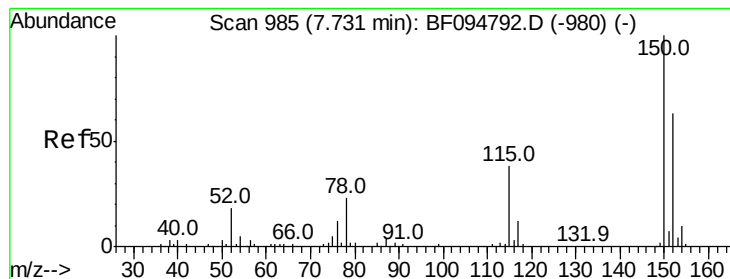
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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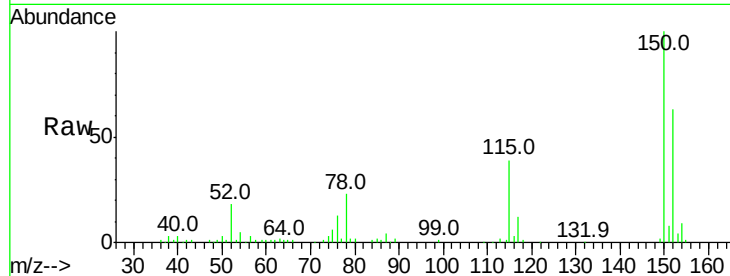


#1

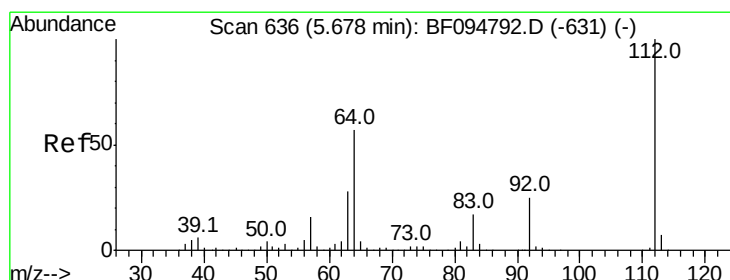
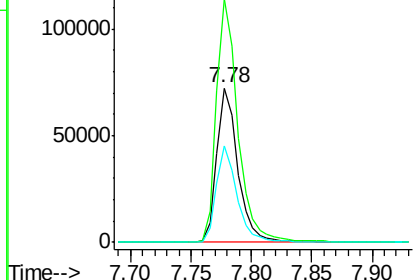
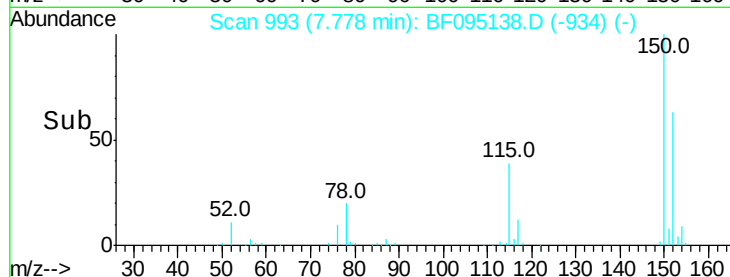
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.78 min Scan# 993
Delta R.T. 0.05 min
Lab File: BF095138.D
Acq: 15 May 2017 21:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 87072
Ion Ratio Lower Upper
152 100
150 157.7 126.2 189.2
115 62.2 52.2 78.2



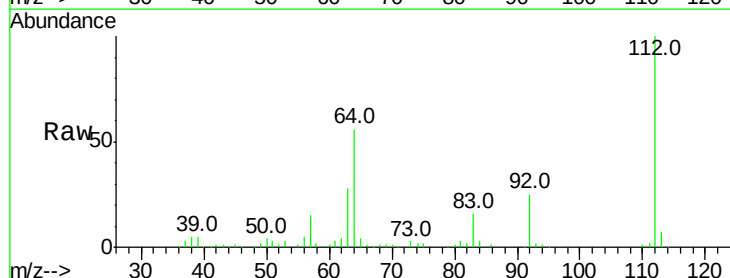
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



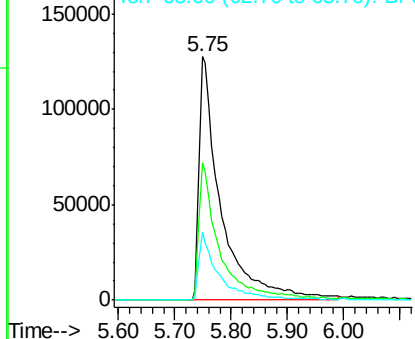
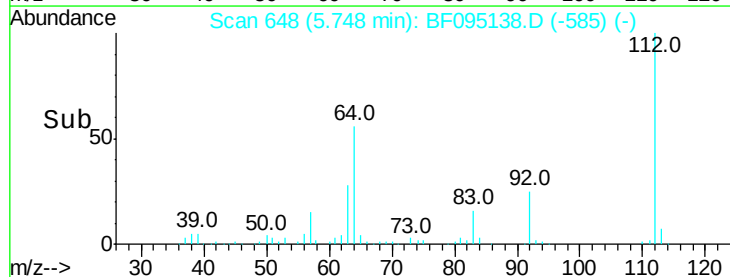
#5

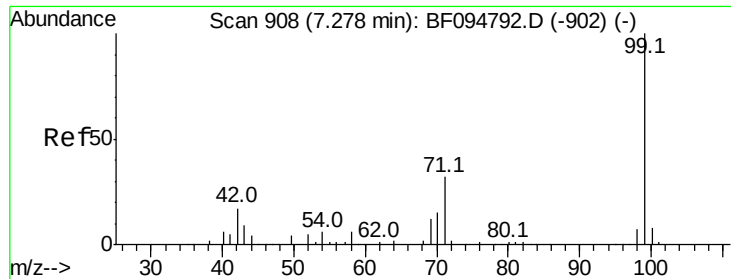
2-Fluorophenol
Concen: 66.09 ng
RT: 5.75 min Scan# 648
Delta R.T. 0.07 min
Lab File: BF095138.D
Acq: 15 May 2017 21:56

Tgt Ion:112 Resp: 345176
Ion Ratio Lower Upper
112 100
64 56.3 46.0 69.0
63 27.8 23.4 35.0



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





#7

Phenol-d6

Concen: 41.62 ng

RT: 7.32 min Scan# 916

Delta R.T. 0.05 min

Lab File: BF095138.D

Acq: 15 May 2017 21:56

Instrument :

BNA_F

ClientSampled :

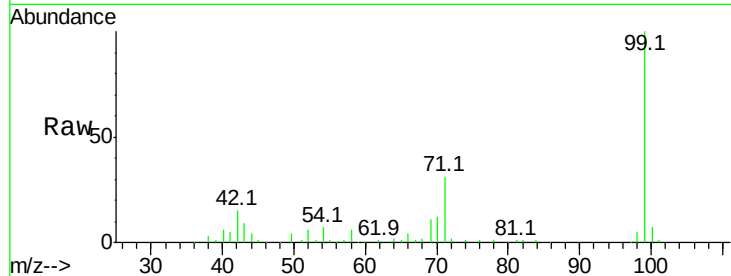
Tot Ion: 99 Resp: 260808

Ion Ratio Lower Upper

99 100

42 15.4 13.5 20.3

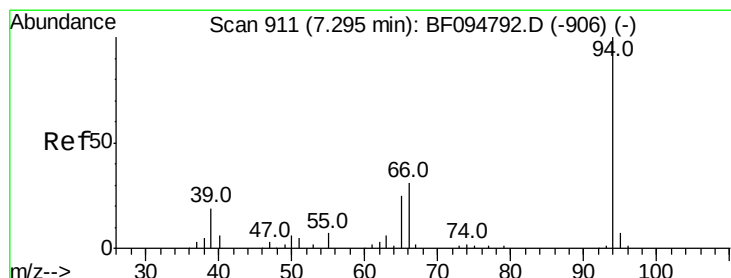
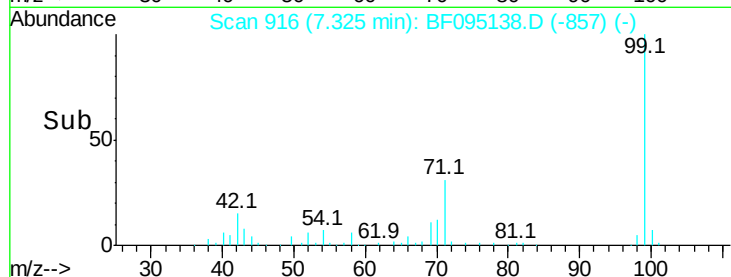
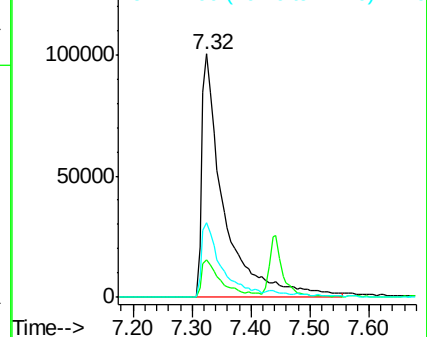
71 30.9 24.5 36.7



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: 2.63 ng

RT: 7.35 min Scan# 921

Delta R.T. 0.06 min

Lab File: BF095138.D

Acq: 15 May 2017 21:56

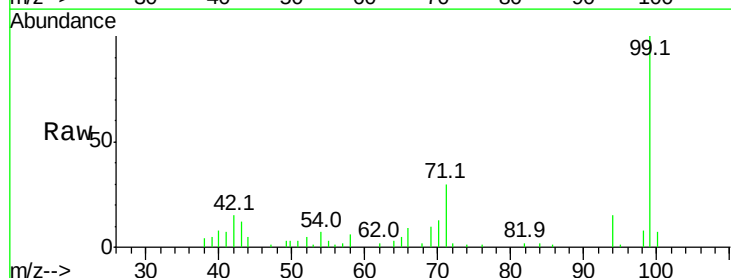
Tgt Ion: 94 Resp: 17374

Ion Ratio Lower Upper

94 100

65 34.3 9.9 49.9

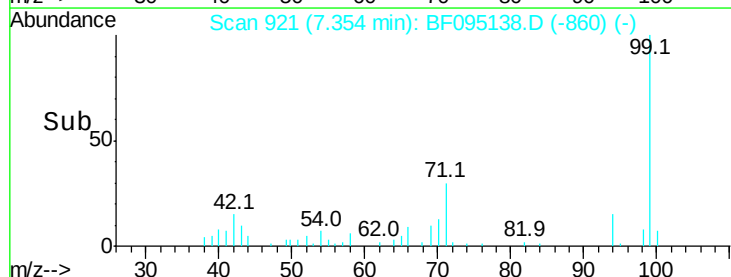
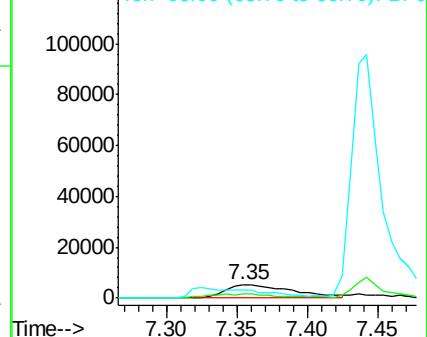
66 62.0 23.1 63.1

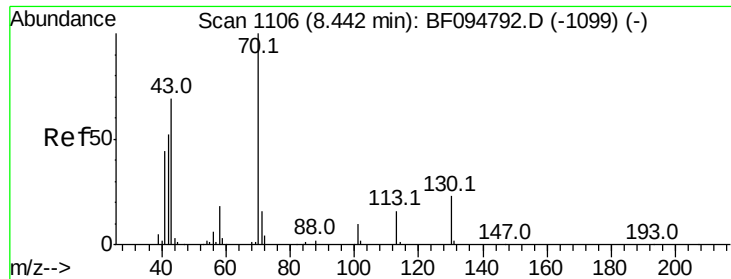


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

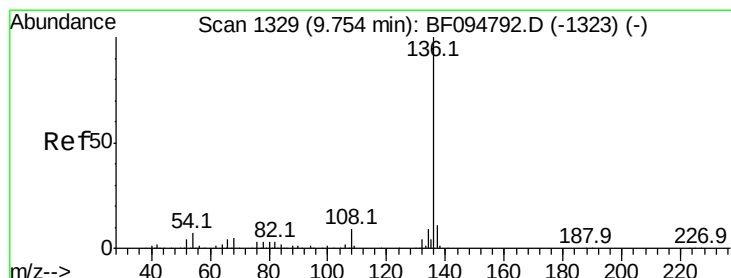
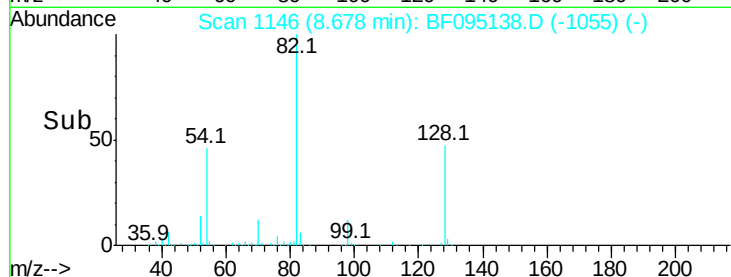
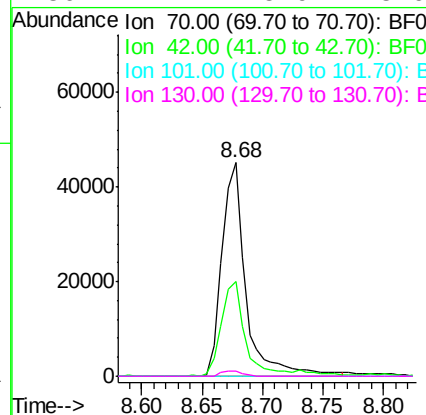
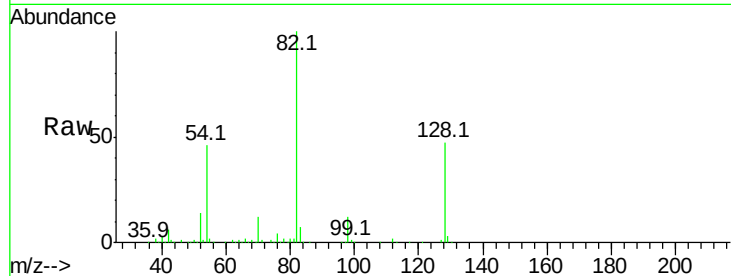




#19
n-Nitroso-di-n-propylamine
Concen: 14.62 ng
RT: 8.68 min Scan# 1146
Delta R.T. 0.24 min
Lab File: BF095138.D
Acq: 15 May 2017 21:56

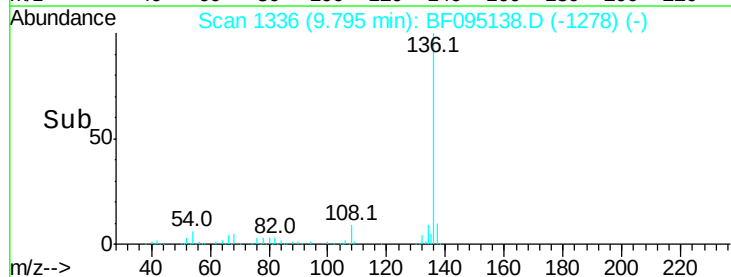
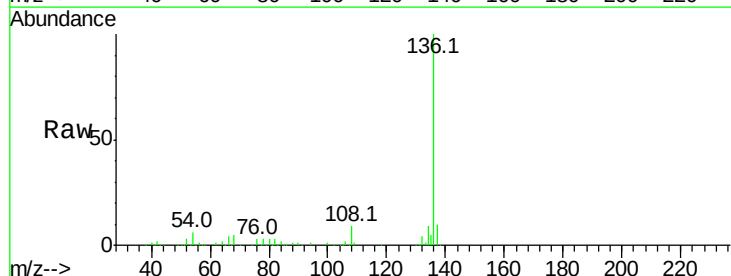
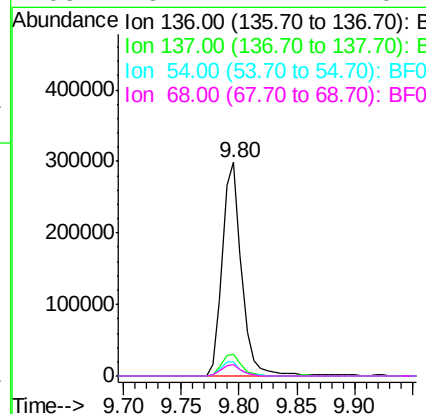
Instrument :
BNA_F
ClientSampleId :

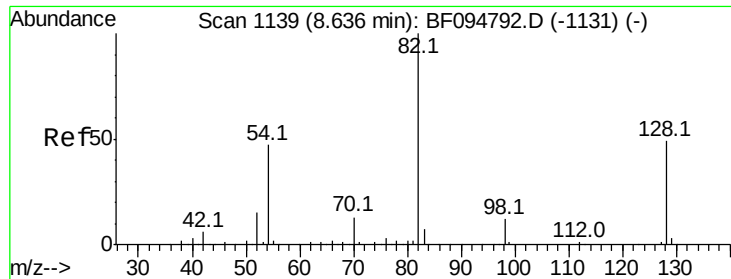
Tot Ion: 70 Resp: 61942
Ion Ratio Lower Upper
70 100
42 44.6 47.2 70.8#
101 0.0 7.2 10.8#
130 2.7 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.80 min Scan# 1336
Delta R.T. 0.04 min
Lab File: BF095138.D
Acq: 15 May 2017 21:56

Tgt Ion: 136 Resp: 348855
Ion Ratio Lower Upper
136 100
137 10.0 8.5 12.7
54 6.3 4.9 7.3
68 5.2 4.1 6.1

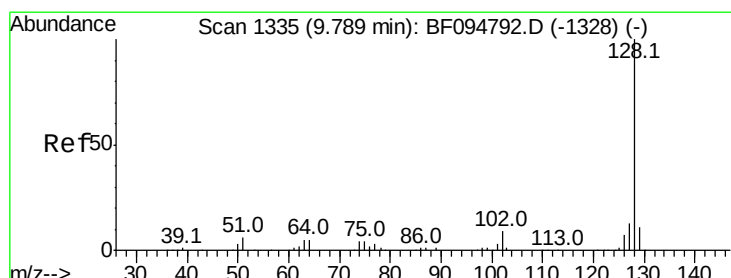
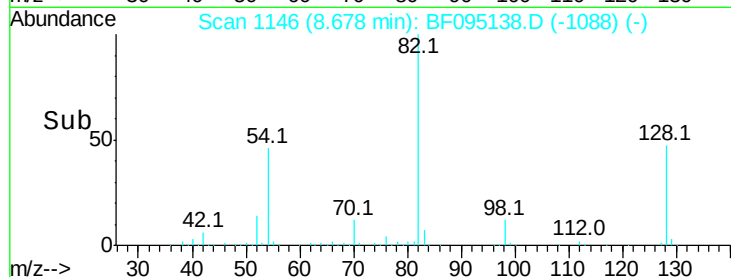
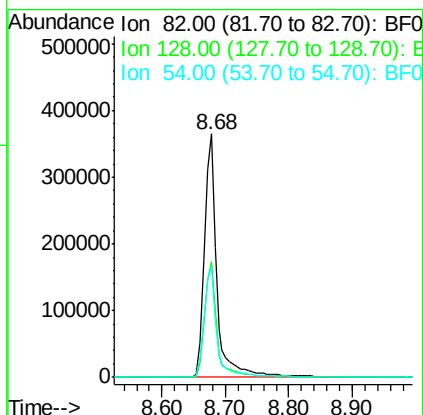
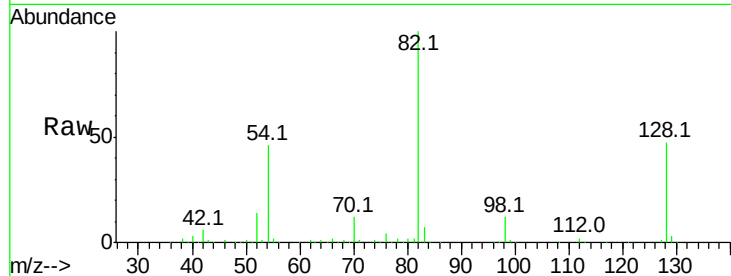




#23
 Nitrobenzene-d5
 Concen: 90.33 ng
 RT: 8.68 min Scan# 1146
 Delta R.T. 0.04 min
 Lab File: BF095138.D
 Acq: 15 May 2017 21:56

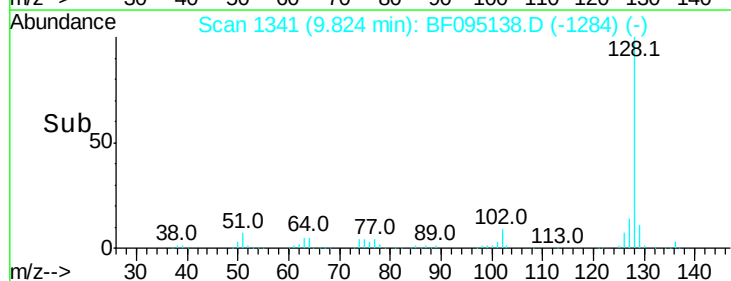
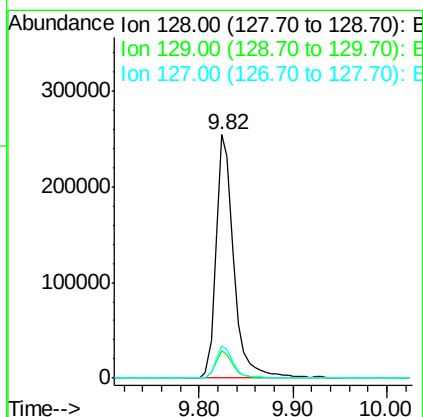
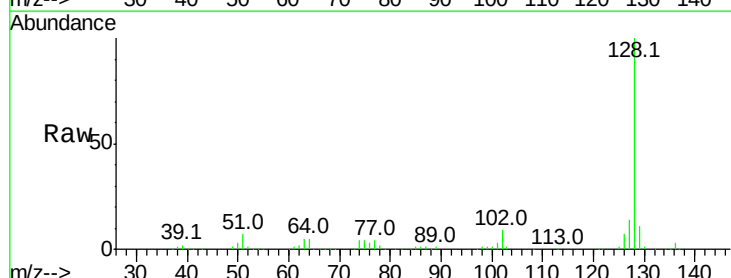
Instrument :
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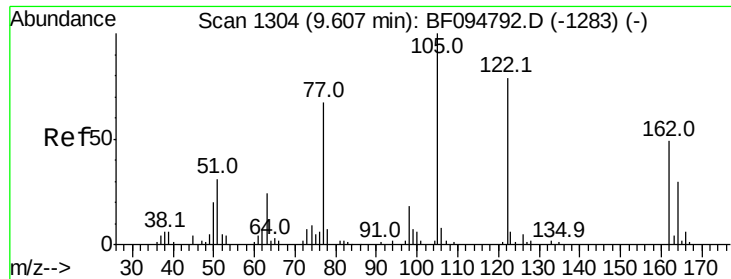
Tot Ion: 82 Resp: 499754
 Ion Ratio Lower Upper
 82 100
 128 47.4 34.0 51.0
 54 45.6 42.2 63.2



#31
 Naphthalene
 Concen: 19.37 ng
 RT: 9.82 min Scan# 1341
 Delta R.T. 0.04 min
 Lab File: BF095138.D
 Acq: 15 May 2017 21:56

Tgt Ion: 128 Resp: 339565
 Ion Ratio Lower Upper
 128 100
 129 11.2 9.0 13.6
 127 13.5 10.8 16.2

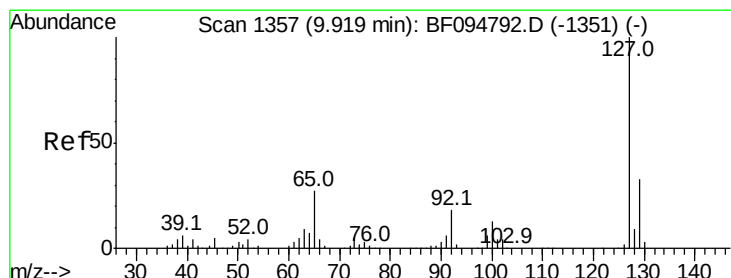
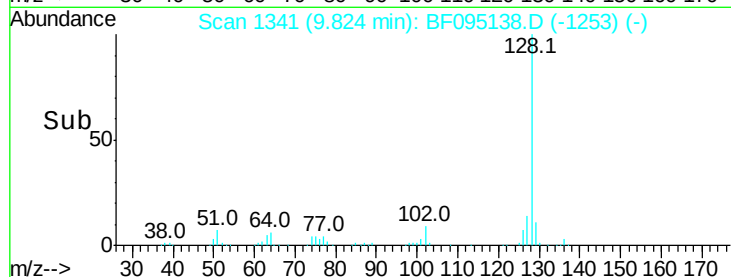
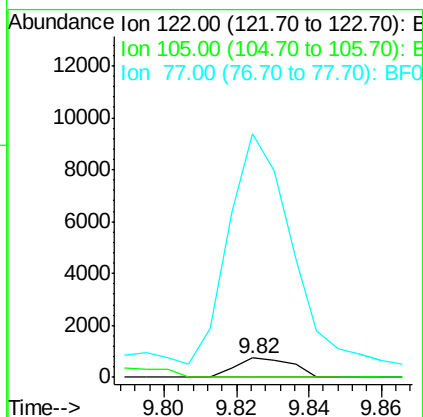
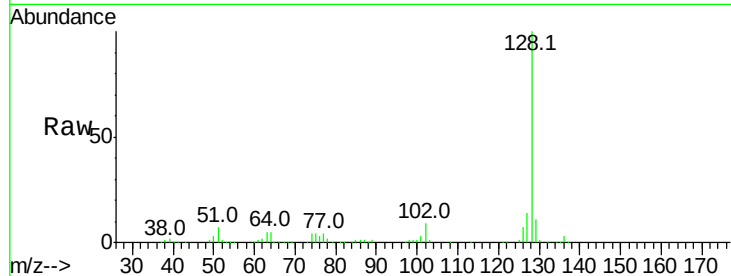




#32
Benzoic acid
Concen: 5.30 ng
RT: 9.82 min Scan# 1341
Delta R.T. 0.22 min
Lab File: BF095138.D
Acq: 15 May 2017 21:56

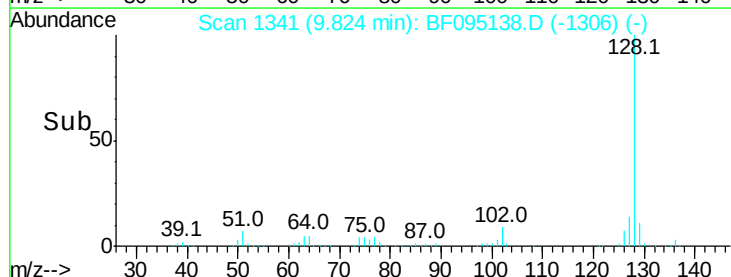
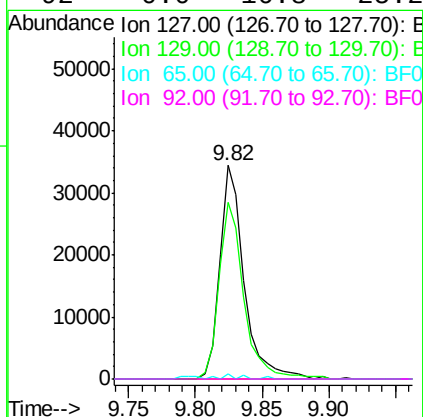
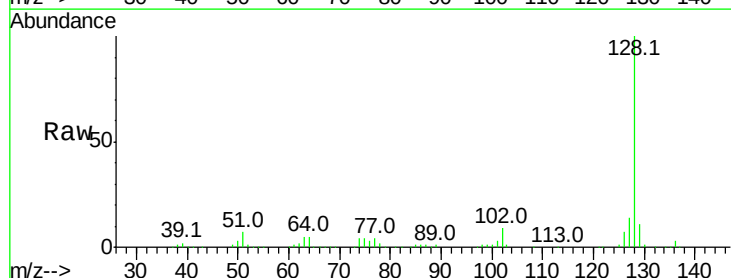
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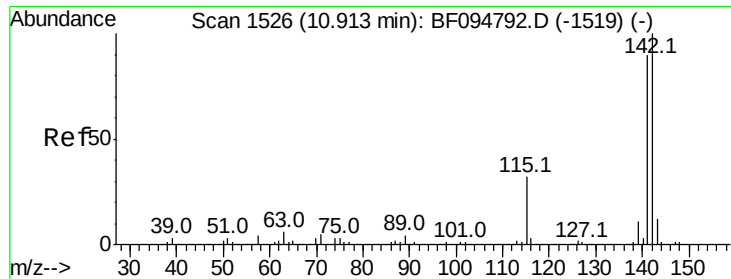
Tot Ion:122 Resp: 803
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 1245.6 73.7 113.7#



#33
4-Chloroaniline
Concen: 6.77 ng
RT: 9.82 min Scan# 1341
Delta R.T. -0.09 min
Lab File: BF095138.D
Acq: 15 May 2017 21:56

Tgt Ion:127 Resp: 44253
Ion Ratio Lower Upper
127 100
129 82.7 26.2 39.2#
65 2.3 27.8 41.8#
92 0.0 16.8 25.2#

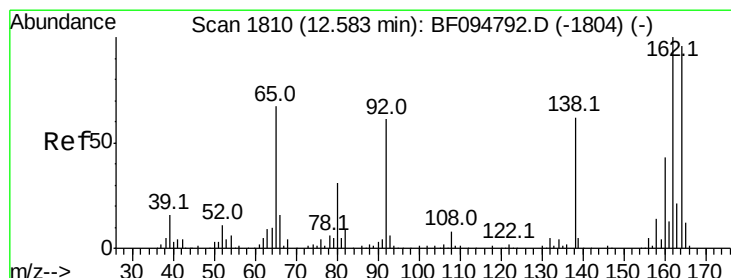
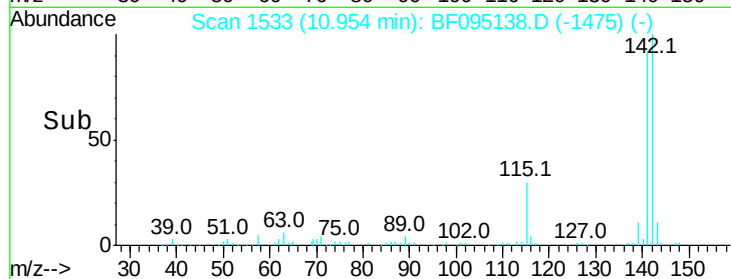
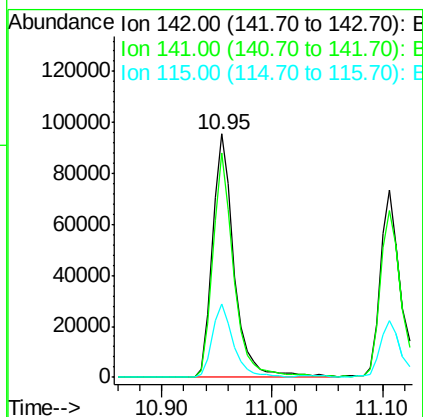
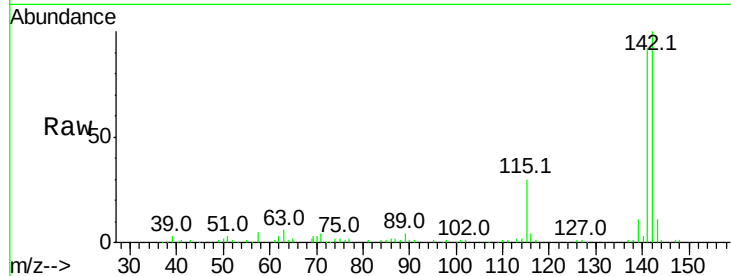




#37
2-Methylnaphthalene
Concen: 11.15 ng
RT: 10.95 min Scan# 1533
Delta R.T. 0.04 min
Lab File: BF095138.D
Acq: 15 May 2017 21:56

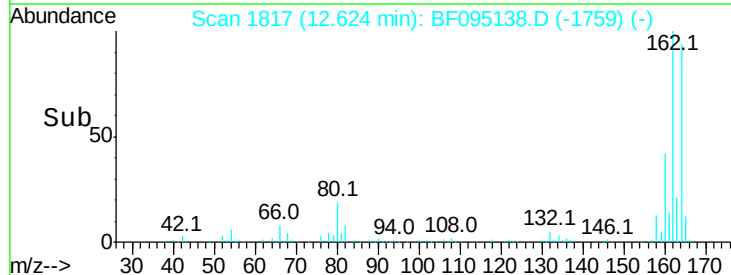
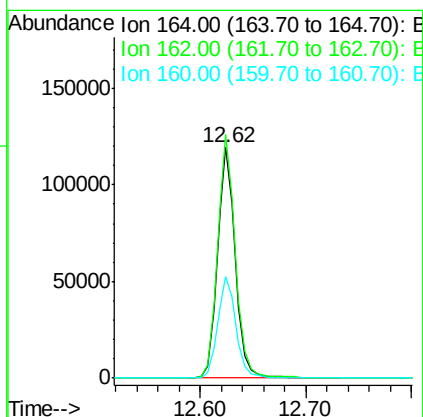
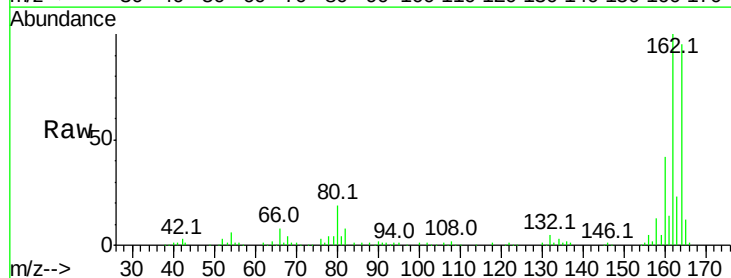
Instrument :
BNA_F
ClientSampleId :

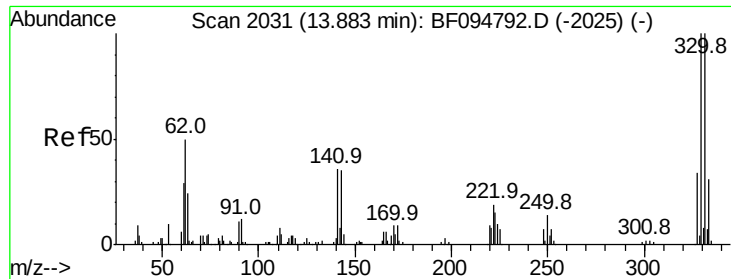
Tot Ion:142 Resp: 128352
Ion Ratio Lower Upper
142 100
141 92.1 71.3 106.9
115 30.1 27.1 40.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.62 min Scan# 1817
Delta R.T. 0.04 min
Lab File: BF095138.D
Acq: 15 May 2017 21:56

Tgt Ion:164 Resp: 141310
Ion Ratio Lower Upper
164 100
162 105.7 82.6 123.8
160 43.9 36.2 54.2

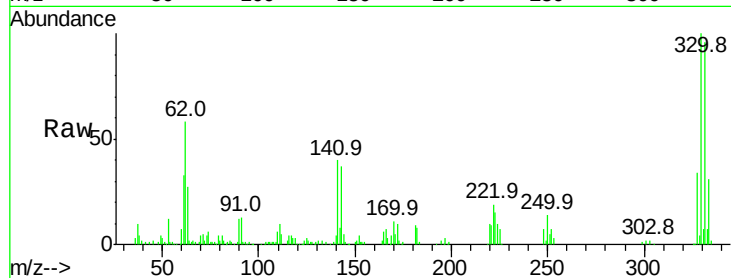




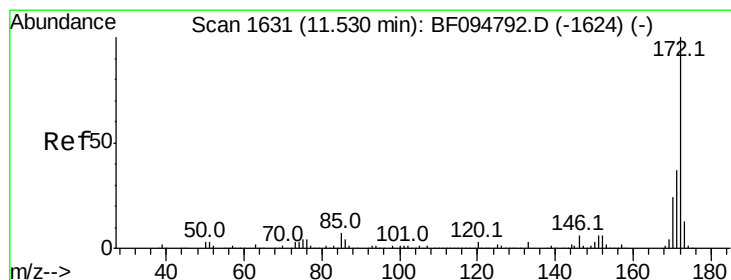
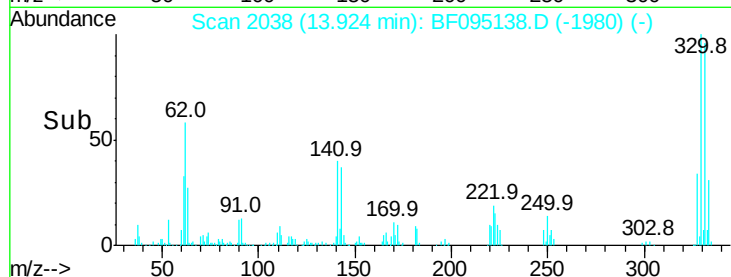
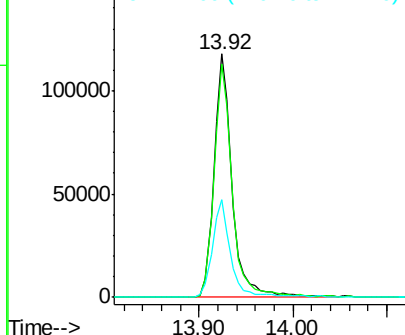
#41
2,4,6-Tribromophenol
Concen: 138.19 ng
RT: 13.92 min Scan# 2038
Delta R.T. 0.04 min
Lab File: BF095138.D
Acq: 15 May 2017 21:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:330 Resp: 159928
Ion Ratio Lower Upper
330 100
332 96.1 76.6 115.0
141 41.0 31.4 47.2

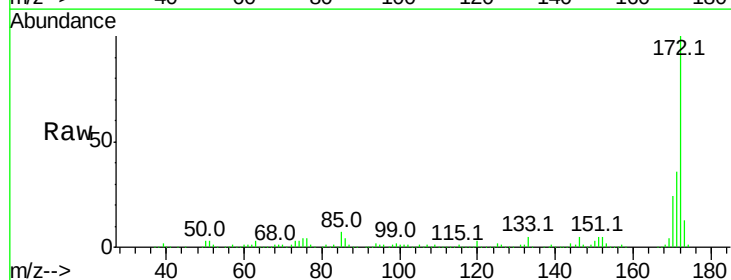


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

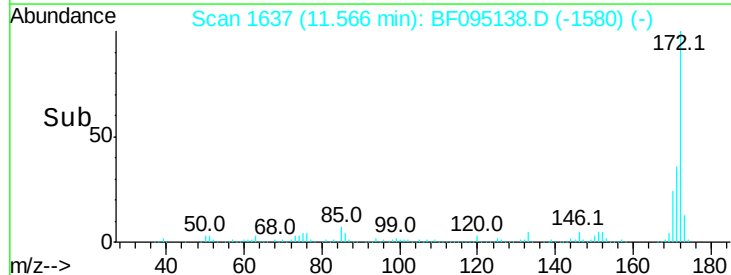
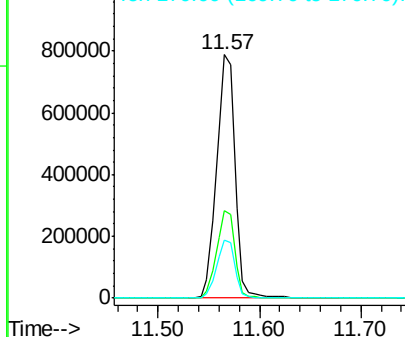


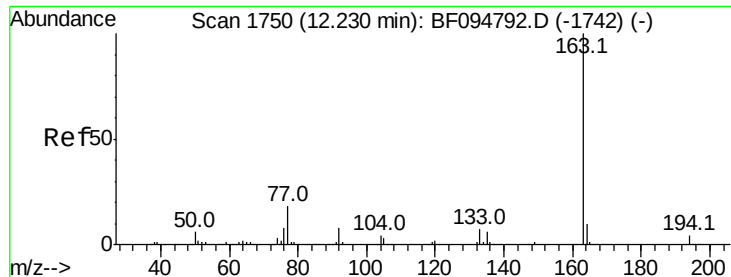
#44
2-Fluorobiphenyl
Concen: 101.98 ng
RT: 11.57 min Scan# 1637
Delta R.T. 0.04 min
Lab File: BF095138.D
Acq: 15 May 2017 21:56

Tgt Ion:172 Resp: 1001245
Ion Ratio Lower Upper
172 100
171 35.9 29.6 44.4
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





#49

Dimethylphthalate

Concen: 3.81 ng

RT: 12.26 min Scan# 1755

Delta R.T. 0.03 min

Lab File: BF095138.D

Acq: 15 May 2017 21:56

Instrument :

BNA_F

ClientSampleId :

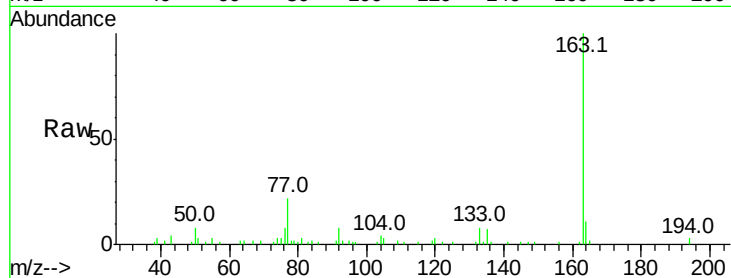
Tot Ion:163 Resp: 44211

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

164 10.7 8.4 12.6

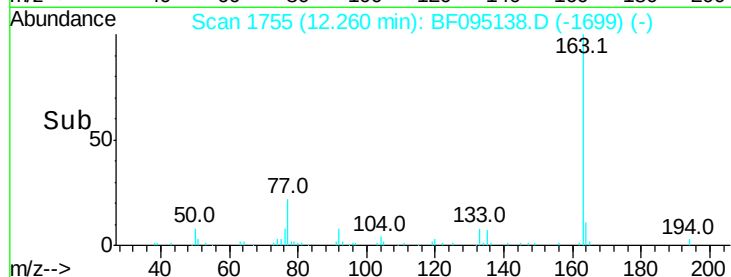


Abundance Ion 163.00 (162.70 to 163.70): E

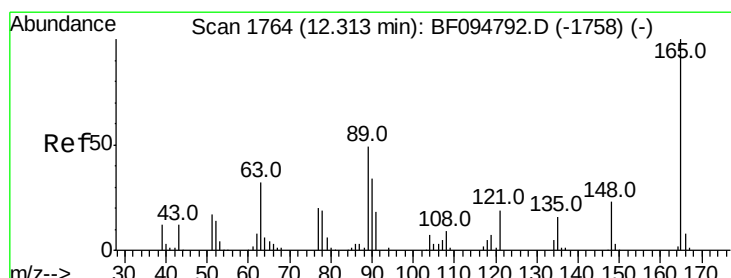
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

Time-->



Time-->



#50

2,6-Dinitrotoluene

Concen: 6.43 ng

RT: 12.62 min Scan# 1817

Delta R.T. 0.31 min

Lab File: BF095138.D

Acq: 15 May 2017 21:56

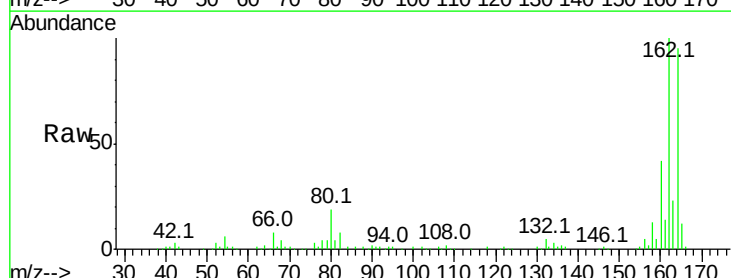
Tgt Ion:165 Resp: 15211

Ion Ratio Lower Upper

165 100

63 2.3 34.3 51.5#

89 2.4 37.1 55.7#

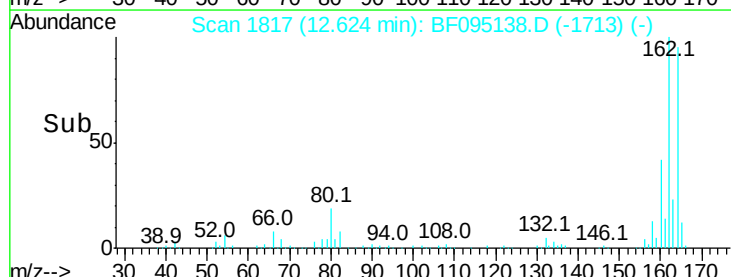


Abundance Ion 165.00 (164.70 to 165.70): E

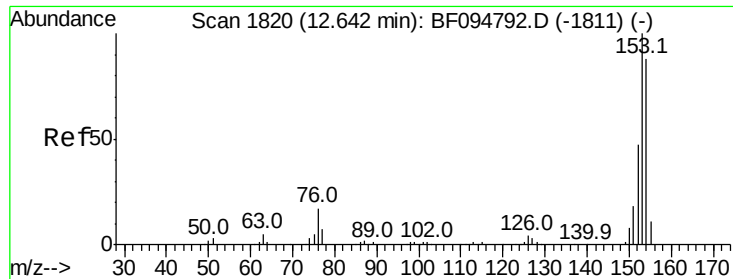
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Time-->



Time-->



#51

Acenaphthene

Concen: 19.11 ng

RT: 12.68 min Scan# 1826

Delta R.T. 0.04 min

Lab File: BF095138.D

Acq: 15 May 2017 21:56

Instrument :

BNA_F

ClientSampleId :

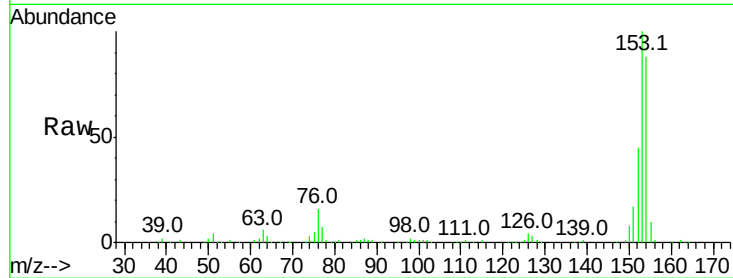
Tot Ion:154 Resp: 171759

Ion Ratio Lower Upper

154 100

153 113.5 90.5 135.7

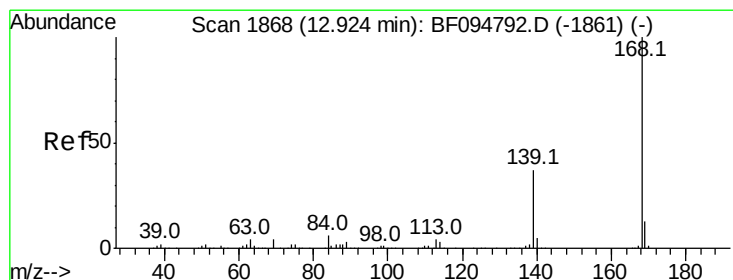
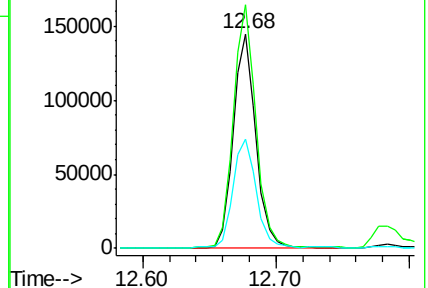
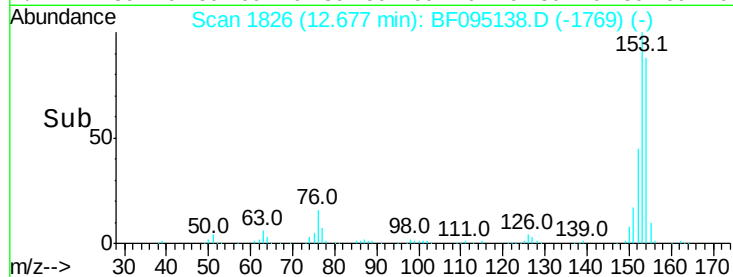
152 51.0 43.6 65.4



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: 15.38 ng

RT: 12.97 min Scan# 1875

Delta R.T. 0.04 min

Lab File: BF095138.D

Acq: 15 May 2017 21:56

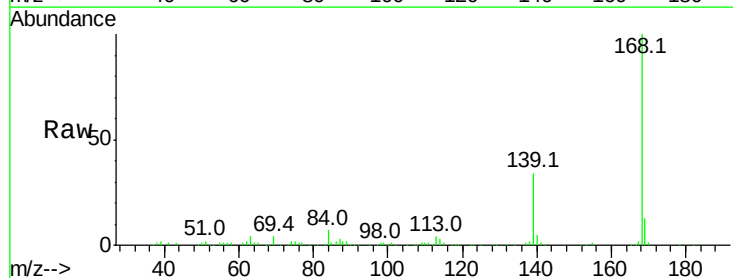
Tgt Ion:168 Resp: 191225

Ion Ratio Lower Upper

168 100

139 34.4 30.6 45.8

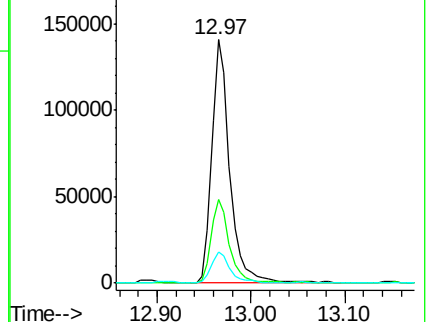
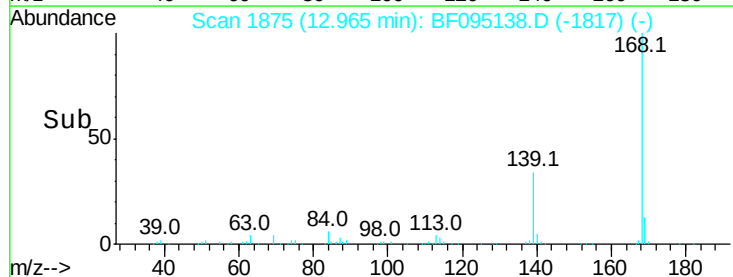
169 12.9 10.8 16.2

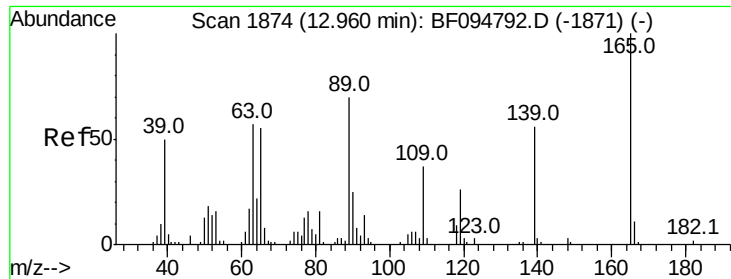


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

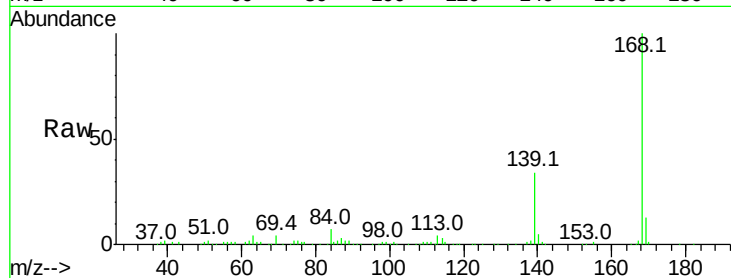




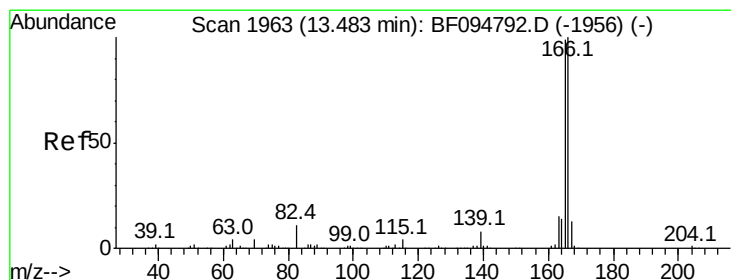
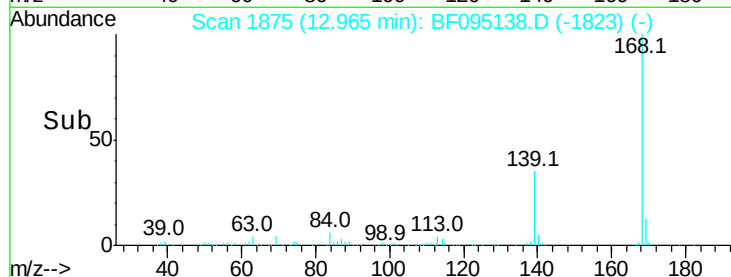
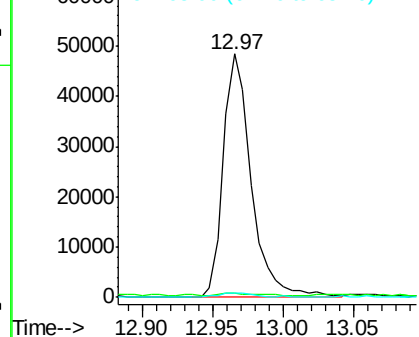
#55
4-Nitrophenol
Concen: 43.86 ng
RT: 12.97 min Scan# 1875
Delta R.T. 0.01 min
Lab File: BF095138.D
Acq: 15 May 2017 21:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 66914
Ion Ratio Lower Upper
139 100
109 1.7 34.1 74.1#
65 1.8 31.4 71.4#

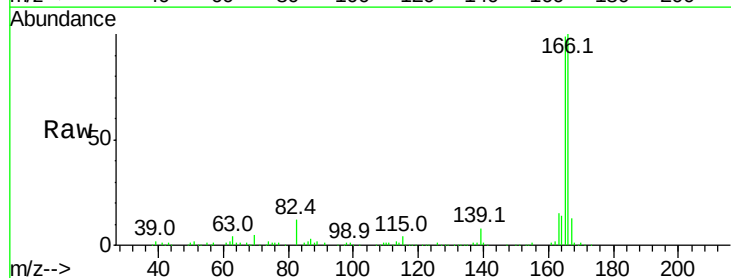


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

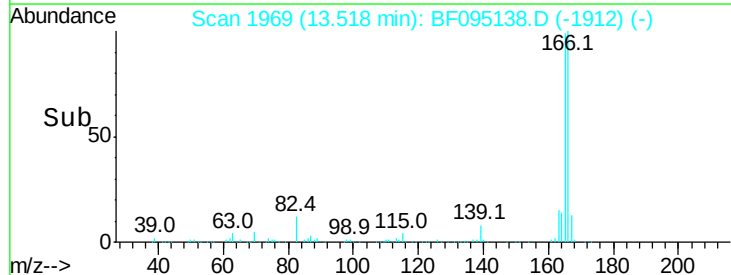
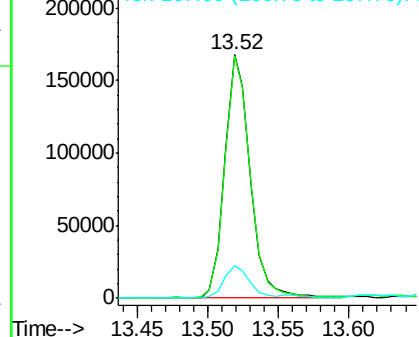


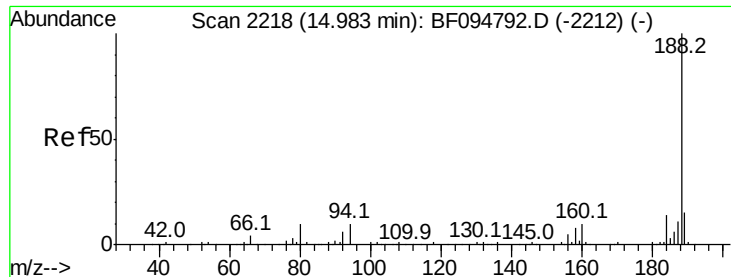
#57
Fluorene
Concen: 19.47 ng
RT: 13.52 min Scan# 1969
Delta R.T. 0.04 min
Lab File: BF095138.D
Acq: 15 May 2017 21:56

Tgt Ion:166 Resp: 210573
Ion Ratio Lower Upper
166 100
165 99.3 78.8 118.2
167 13.4 10.6 16.0



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: 15.03 min Scan# 2226

Delta R.T. 0.05 min

Lab File: BF095138.D

Acq: 15 May 2017 21:56

Instrument :

BNA_F

ClientSampleId :

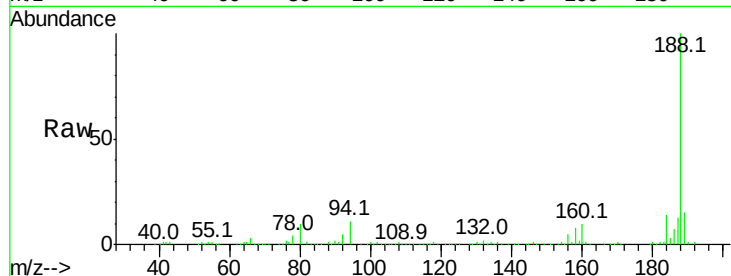
Tot Ion:188 Resp: 212551

Ion Ratio Lower Upper

188 100

94 10.6 9.4 14.2

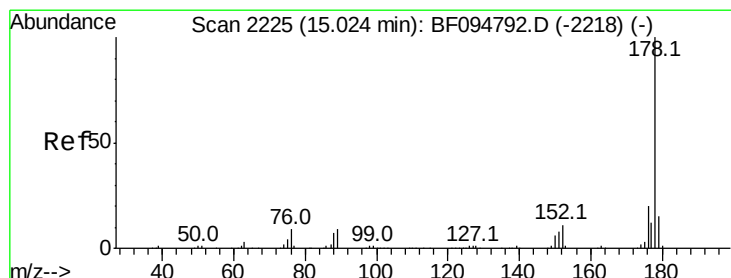
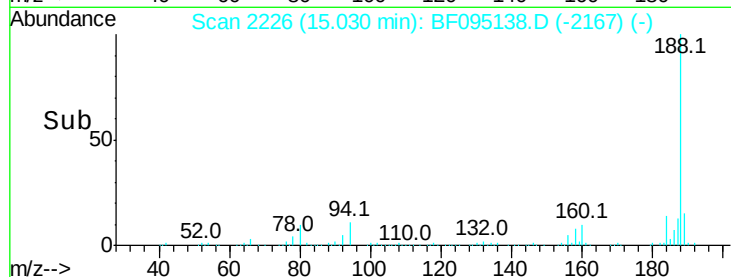
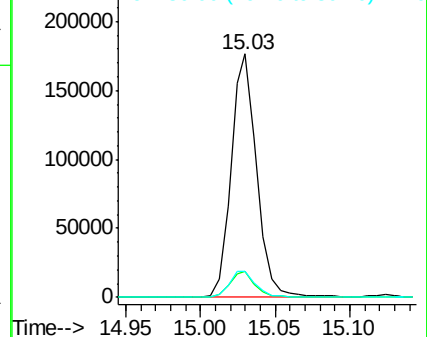
80 10.5 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 24.44 ng

RT: 15.07 min Scan# 2232

Delta R.T. 0.04 min

Lab File: BF095138.D

Acq: 15 May 2017 21:56

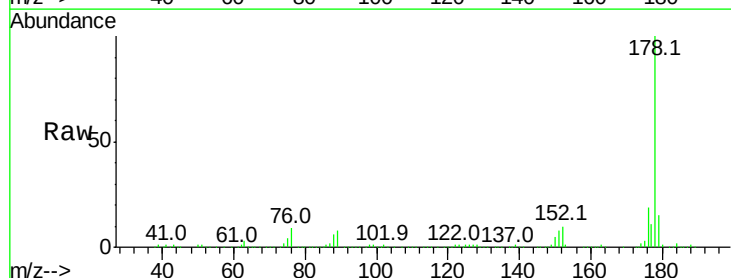
Tgt Ion:178 Resp: 298535

Ion Ratio Lower Upper

178 100

176 18.5 16.2 24.4

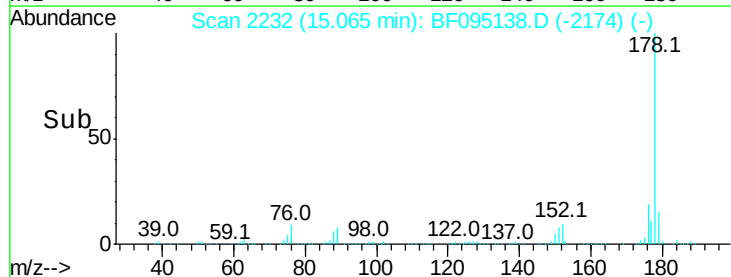
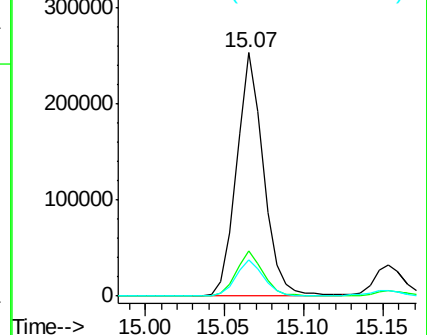
179 14.8 12.6 19.0

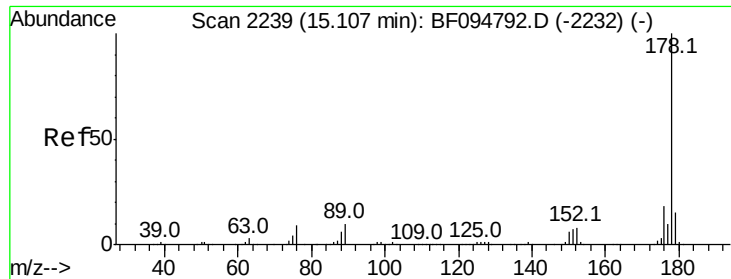


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

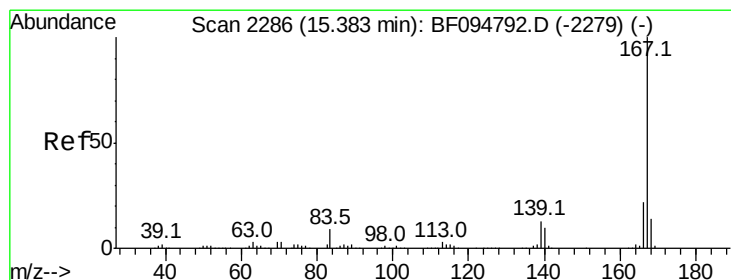
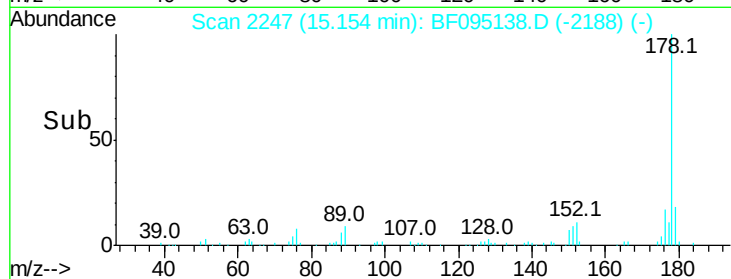
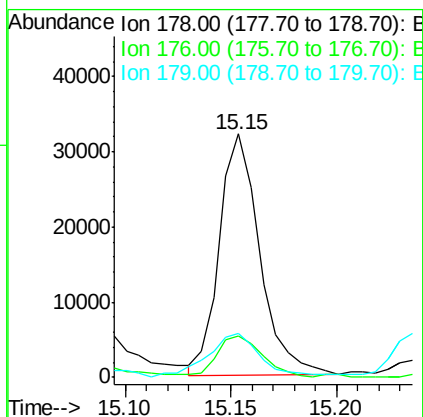
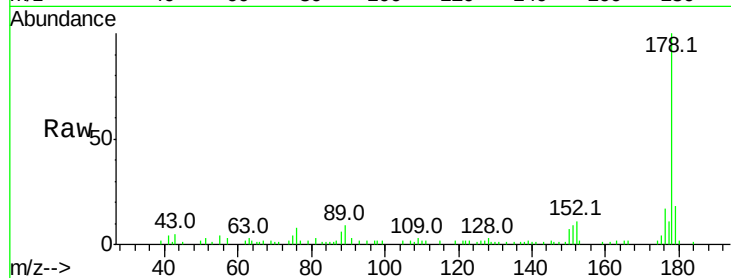




#71
 Anthracene
 Concen: 3.39 ng
 RT: 15.15 min Scan# 2247
 Delta R.T. 0.05 min
 Lab File: BF095138.D
 Acq: 15 May 2017 21:56

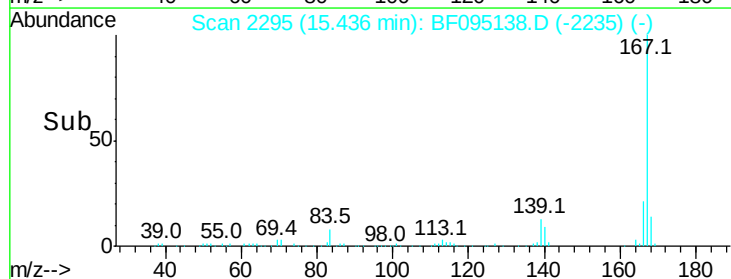
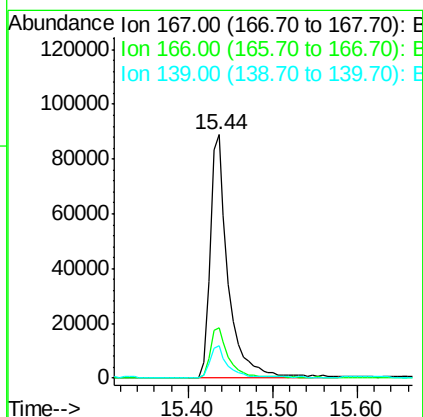
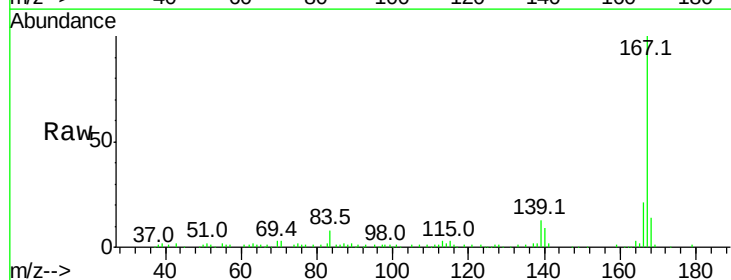
Instrument :
 BNA_F
 ClientSampleId :

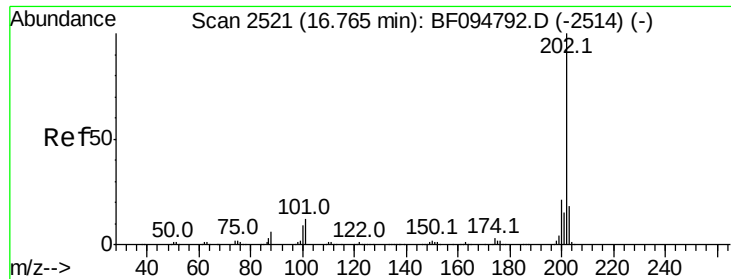
Tot Ion:178 Resp: 42298
 Ion Ratio Lower Upper
 178 100
 176 16.9 15.8 23.8
 179 17.8 12.7 19.1



#72
 Carbazole
 Concen: 11.84 ng
 RT: 15.44 min Scan# 2295
 Delta R.T. 0.05 min
 Lab File: BF095138.D
 Acq: 15 May 2017 21:56

Tgt Ion:167 Resp: 134346
 Ion Ratio Lower Upper
 167 100
 166 20.9 18.1 27.1
 139 13.4 11.7 17.5





#74

Fluoranthene

Concen: 6.43 ng

RT: 16.81 min Scan# 2529

Delta R.T. 0.05 min

Lab File: BF095138.D

Acq: 15 May 2017 21:56

Instrument :

BNA_F

ClientSampleId :

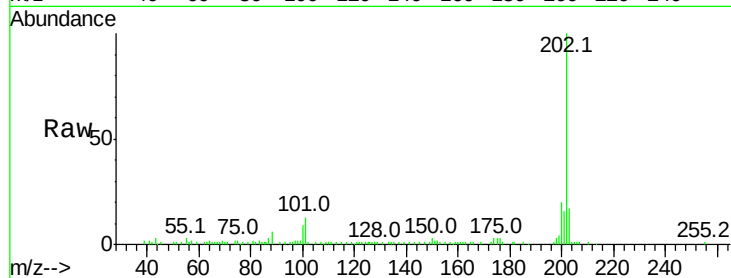
Tot Ion:202 Resp: 80550

Ion Ratio Lower Upper

202 100

101 13.2 0.0 33.2

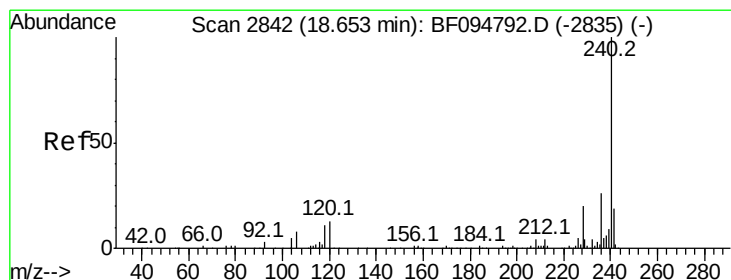
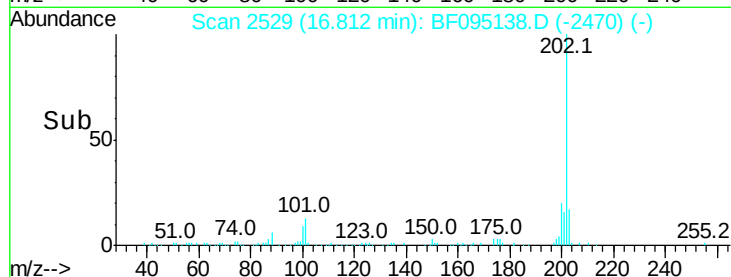
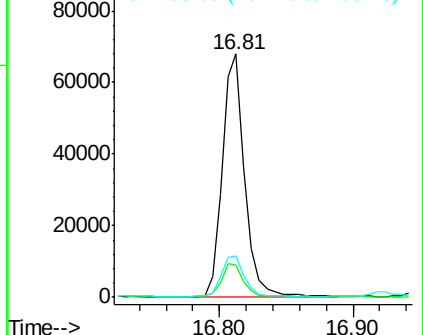
203 16.8 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.70 min Scan# 2850

Delta R.T. 0.05 min

Lab File: BF095138.D

Acq: 15 May 2017 21:56

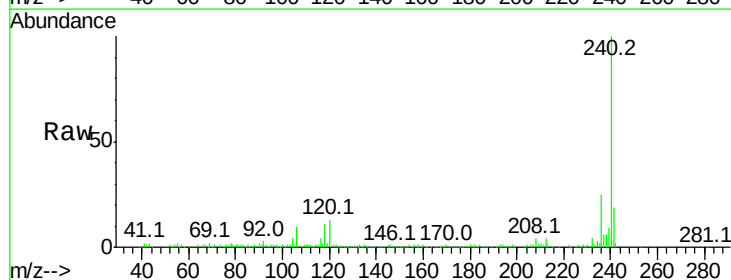
Tgt Ion:240 Resp: 161664

Ion Ratio Lower Upper

240 100

120 13.2 5.8 8.8#

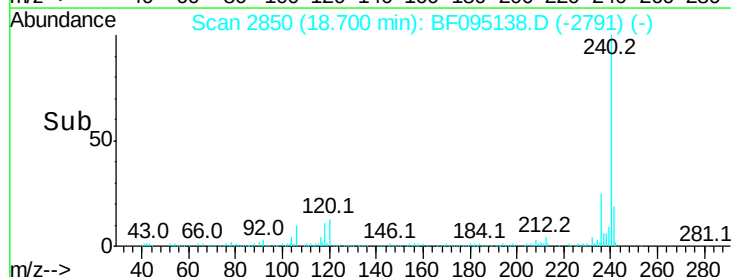
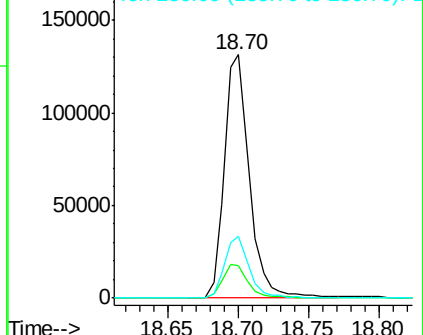
236 25.3 20.5 30.7

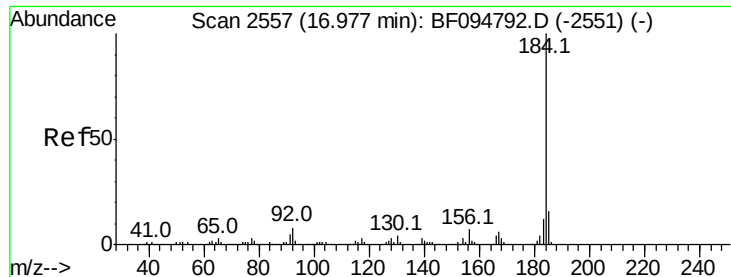


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 6.63 ng

RT: 17.07 min Scan# 2573

Delta R.T. 0.09 min

Lab File: BF095138.D

Acq: 15 May 2017 21:56

Instrument :

BNA_F

ClientSampled :

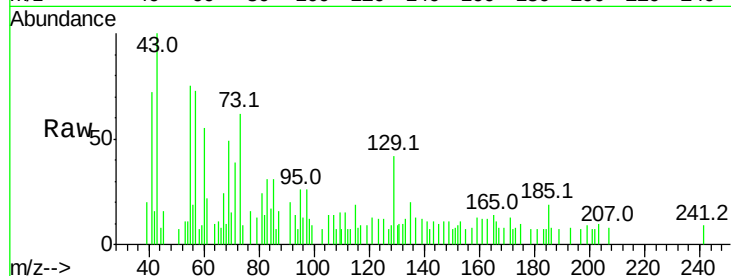
Tot Ion:184 Resp: 224

Ion Ratio Lower Upper

184 100

185 260.9 15.5 23.3#

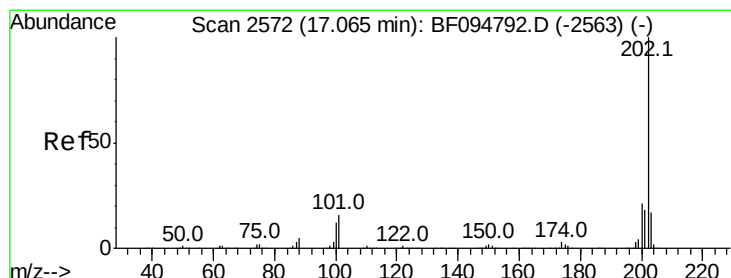
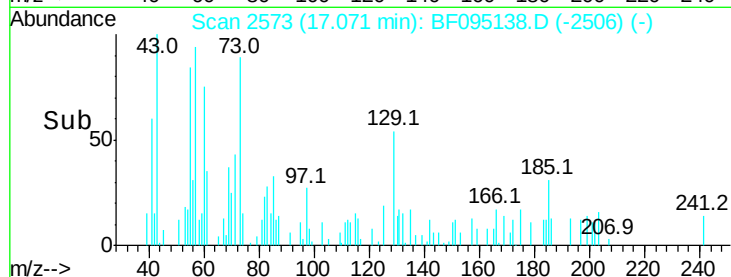
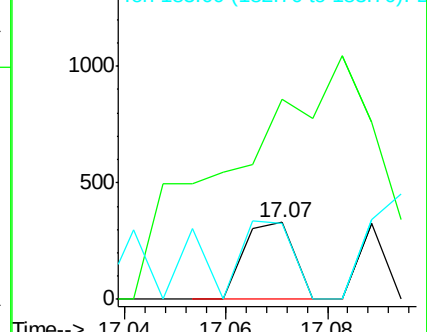
183 99.4 9.8 14.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 4.45 ng

RT: 17.11 min Scan# 2580

Delta R.T. 0.05 min

Lab File: BF095138.D

Acq: 15 May 2017 21:56

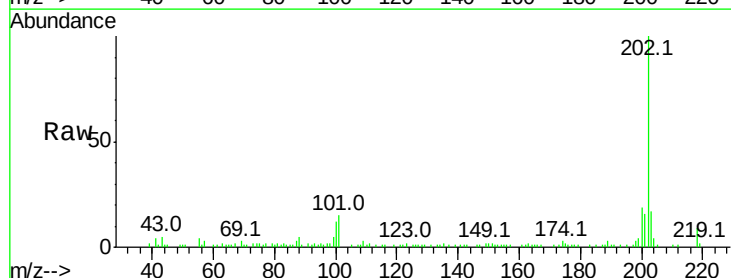
Tgt Ion:202 Resp: 53789

Ion Ratio Lower Upper

202 100

200 18.9 17.6 26.4

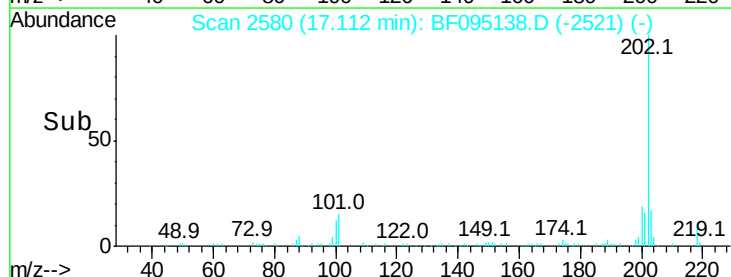
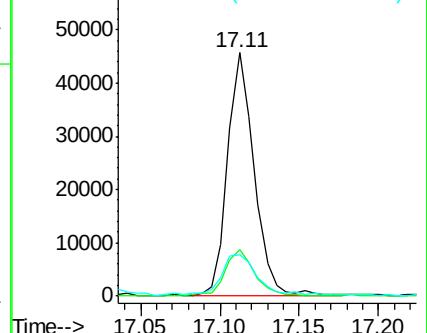
203 17.1 14.4 21.6

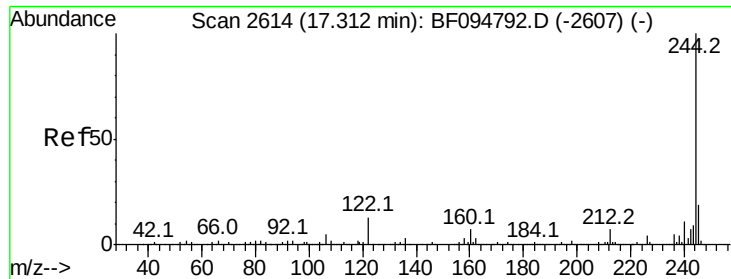


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

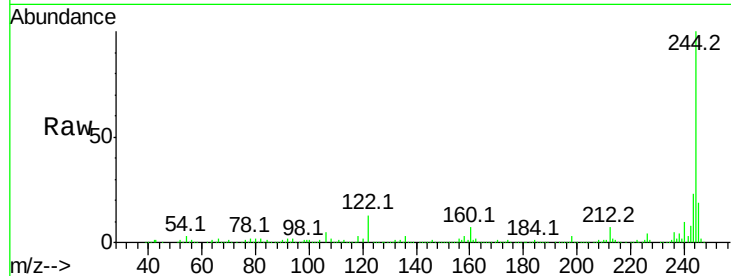




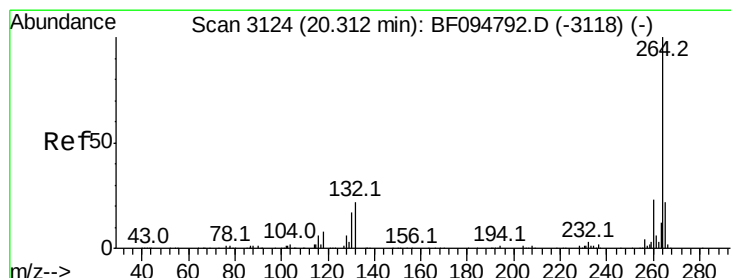
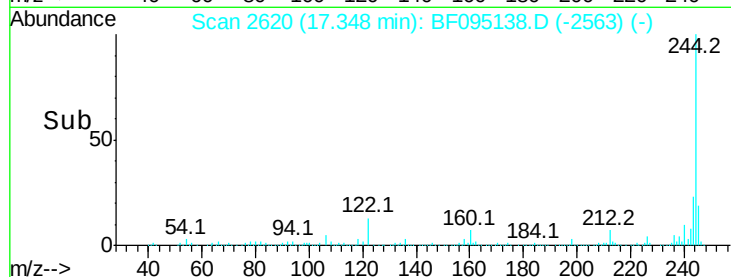
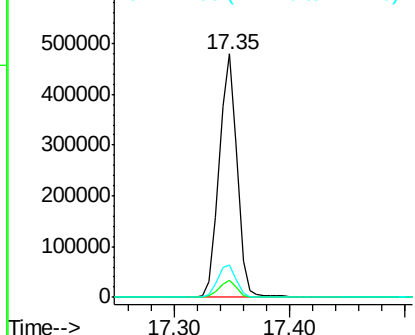
#78
 Terphenyl-d14
 Concen: 70.47 ng
 RT: 17.35 min Scan# 2620
 Delta R.T. 0.04 min
 Lab File: BF095138.D
 Acq: 15 May 2017 21:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 517256
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 13.3 10.3 15.5

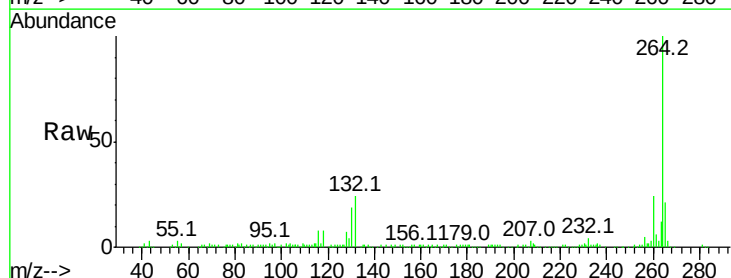


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.37 min Scan# 3134
 Delta R.T. 0.06 min
 Lab File: BF095138.D
 Acq: 15 May 2017 21:56

Tgt Ion:264 Resp: 150044
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.5 29.3
 265 21.3 17.2 25.8



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

