

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081616\
 Data File : BF089739.D
 Acq On : 17 Aug 2016 3:11
 Operator : UM/SJ
 Sample : PB92850BS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB92850BS

Quant Time: Aug 17 04:26:08 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 16 19:45:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	815034	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	3262380	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	1641429	20.00	ng	0.01
63) Phenanthrene-d10	11.22	188	2959352	20.00	ng	0.01
75) Chrysene-d12	13.87	240	2287337	20.00	ng	-0.02
86) Perylene-d12	15.31	264	2218329	20.00	ng	-0.09

System Monitoring Compounds

5) 2-Fluorophenol	5.29	112	5313428	108.77	ng	0.01
7) Phenol-d6	6.34	99	6228524	100.25	ng	0.01
23) Nitrobenzene-d5	7.27	82	3972290	74.35	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	1795290	113.06	ng	0.01
44) 2-Fluorobiphenyl	9.07	172	6212897	60.74	ng	0.00
78) Terphenyl-d14	12.81	244	5667180	74.02	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.31	88	714748	28.34	ng	99
3) Pyridine	2.95	79	2144534	33.00	ng	95
4) n-Nitrosodimethylamine	2.91	42	922117	35.35	ng	87
6) Aniline	6.36	93	2588884	31.00	ng	95
8) 2-Chlorophenol	6.49	128	2225803	38.31	ng	81
9) Benzaldehyde	6.24	77	671957	16.32	ng	91
10) Phenol	6.35	94	2225785	28.78	ng	91
11) bis(2-Chloroethyl)ether	6.44	93	2008907	35.06	ng	98
12) 1,3-Dichlorobenzene	6.64	146	2027572	32.65	ng	98
13) 1,4-Dichlorobenzene	6.72	146	2184692	34.72	ng	98
14) 1,2-Dichlorobenzene	6.72	146	2184692	36.42	ng	97
15) Benzyl Alcohol	6.86	79	1672468	40.28	ng	90
16) 2,2'-oxybis(1-Chloropropan	6.99	45	2374786	31.59	ng	94
17) 2-Methylphenol	6.97	107	1891152	40.97	ng	96
18) Hexachloroethane	7.22	117	822368	35.66	ng	92
19) n-Nitroso-di-n-propylamine	7.13	70	1406273	34.56	ng	95
20) 3+4-Methylphenols	7.12	107	2072881	35.06	ng	# 82
22) Acetophenone	7.12	105	2487348	32.80	ng	# 94
24) Nitrobenzene	7.29	77	2366687	39.38	ng	92
25) Isophorone	7.53	82	4087823	38.24	ng	98
26) 2-Nitrophenol	7.61	139	1129489	39.94	ng	96
27) 2,4-Dimethylphenol	7.66	122	2216208	41.35	ng	100
28) bis(2-Chloroethoxy)methane	7.75	93	2440435	37.57	ng	98
29) 2,4-Dichlorophenol	7.85	162	1894017	42.44	ng	99
30) 1,2,4-Trichlorobenzene	7.93	180	1747122	36.47	ng	98
31) Naphthalene	8.01	128	5316646	36.31	ng	95
32) Benzoic acid	7.79	122	1342932	32.23	ng	97
33) 4-Chloroaniline	8.06	127	1912176	28.22	ng	# 86
34) Hexachlorobutadiene	8.14	225	923838	36.71	ng	98
35) Caprolactam	8.44	113	366564	26.65	ng	96
36) 4-Chloro-3-methylphenol	8.55	107	1747608	35.97	ng	91
37) 2-Methylnaphthalene	8.71	142	4063388	40.77	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.87	216	1248700	23.66	ng	98
40) Hexachlorocyclopentadiene	8.87	237	1875639	79.76	ng	98

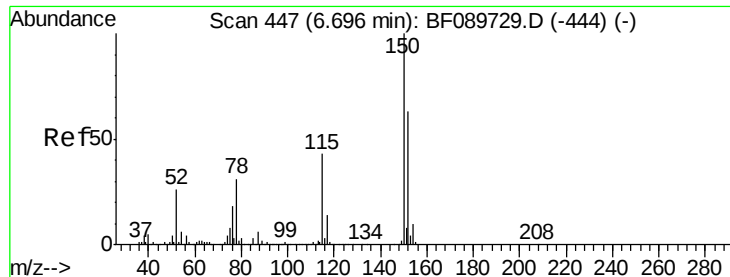
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081616\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.98	196	1348505	39.56	ng	99
43) 2,4,5-Trichlorophenol	9.02	196	1140820	35.10	ng	# 89
45) 1,1'-Biphenyl	9.18	154	4118137	30.29	ng	94
46) 2-Chloronaphthalene	9.19	162	3404396	33.42	ng	98
47) 2-Nitroaniline	9.29	65	1322541	42.61	ng	# 73
48) Acenaphthylene	9.60	152	5564479	35.48	ng	97
49) Dimethylphthalate	9.48	163	4476462	37.69	ng	# 98
50) 2,6-Dinitrotoluene	9.53	165	962860	35.82	ng	# 82
51) Acenaphthene	9.78	154	4245189	40.12	ng	98
52) 3-Nitroaniline	9.70	138	1031215	32.99	ng	# 75
53) 2,4-Dinitrophenol	9.80	184	1075719	89.38	ng	93
54) Dibenzofuran	9.95	168	5329689	40.93	ng	94
55) 4-Nitrophenol	9.86	139	1717888	71.45	ng	88
56) 2,4-Dinitrotoluene	9.93	165	1290791	37.36	ng	# 58
57) Fluorene	10.28	166	3691938	35.09	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.07	232	1090165	42.95	ng	98
59) Diethylphthalate	10.18	149	4192981	34.82	ng	96
60) 4-Chlorophenyl-phenylether	10.28	204	1535057	29.72	ng	93
61) 4-Nitroaniline	10.32	138	1283371	42.29	ng	95
62) Azobenzene	10.44	77	4519522	39.72	ng	96
64) 4,6-Dinitro-2-methylphenol	10.34	198	711381	41.40	ng	82
65) n-Nitrosodiphenylamine	10.41	169	3729459	40.16	ng	96
66) 4-Bromophenyl-phenylether	10.78	248	1183549	38.62	ng	# 83
67) Hexachlorobenzene	10.83	284	1223309	35.91	ng	# 82
68) Atrazine	10.94	200	1029442	36.59	ng	96
69) Pentachlorophenol	11.03	266	1453531	68.48	ng	97
70) Phenanthrene	11.29	178	5595558	38.47	ng	96
71) Anthracene	11.29	178	5595558	36.82	ng	97
72) Carbazole	11.45	167	5131513	35.63	ng	94
73) Di-n-butylphthalate	11.81	149	6485475	37.03	ng	# 97
74) Fluoranthene	12.42	202	5190245	35.51	ng	90
76) Benzidine	12.55	184	2920980	35.58	ng	100
77) Pyrene	12.42	202	5190623	34.68	ng	94
79) Butylbenzylphthalate	13.29	149	2810179	37.42	ng	# 83
80) Benzo(a)anthracene	13.85	228	5048562	37.99	ng	97
81) 3,3'-Dichlorobenzidine	13.83	252	1642003	33.91	ng	98
82) Chrysene	13.90	228	4117223	34.42	ng	94
83) Bis(2-ethylhexyl)phthalate	13.89	149	4012352	40.37	ng	95
84) Di-n-octyl phthalate	14.54	149	6166118	39.92	ng	98
85) Indeno(1,2,3-cd)pyrene	16.62	276	4628415	45.42	ng	99
87) Benzo(b)fluoranthene	14.94	252	9339310	66.44	ng	96
88) Benzo(k)fluoranthene	14.94	252	9344510	80.77	ng	98
89) Benzo(a)pyrene	15.27	252	4662240	40.18	ng	# 93
90) Dibenzo(a,h)anthracene	16.64	278	3791010	41.49	ng	96
91) Benzo(g,h,i)perylene	17.02	276	3770371	40.54	ng	# 94

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 447

Delta R.T. 0.00 min

Lab File: BF089739.D

Acq: 17 Aug 2016 3:11

Instrument :

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ClientSampleId :

PB92850BS

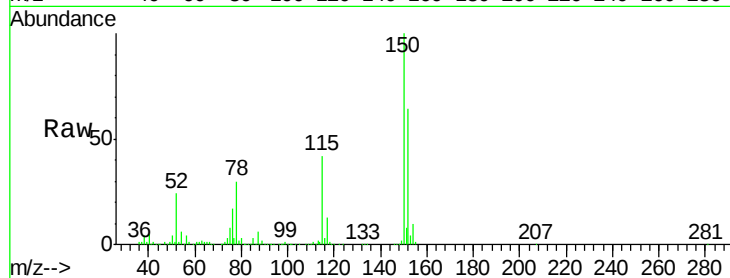
Tgt Ion:152 Resp: 815034

Ion Ratio Lower Upper

152 100

150 157.4 125.3 187.9

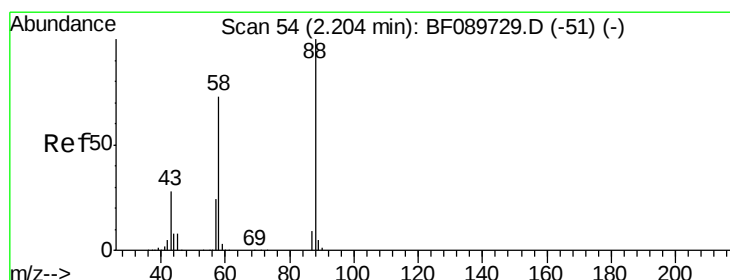
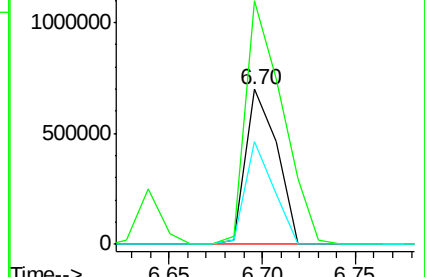
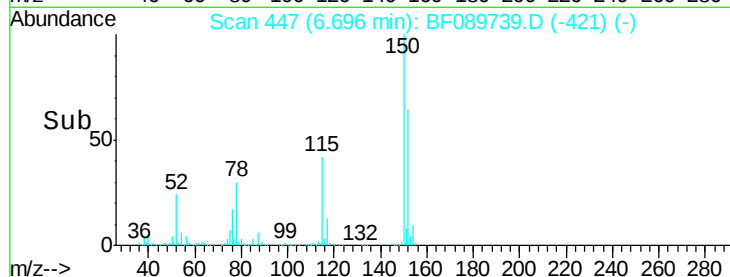
115 66.5 40.9 61.3#



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



#2

1,4-Dioxane

Concen: 28.34 ng

RT: 2.31 min Scan# 63

Delta R.T. 0.10 min

Lab File: BF089739.D

Acq: 17 Aug 2016 3:11

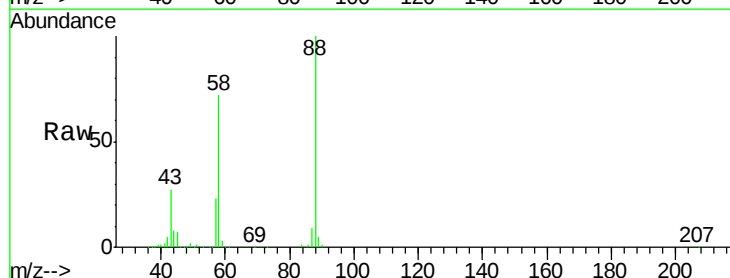
Tgt Ion: 88 Resp: 714748

Ion Ratio Lower Upper

88 100

58 71.9 57.0 85.4

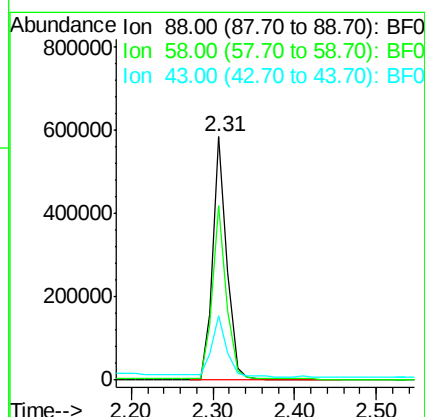
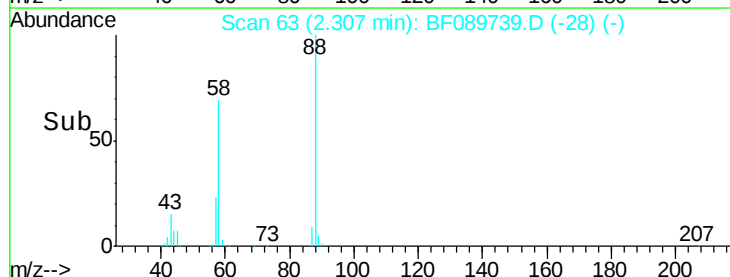
43 27.0 21.8 32.8

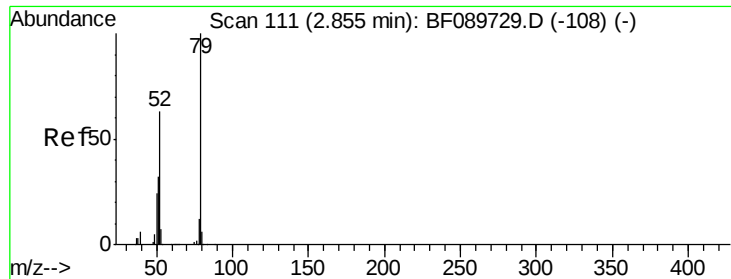


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 33.00 ng

RT: 2.95 min Scan# 119

Delta R.T. 0.09 min

Lab File: BF089739.D

Acq: 17 Aug 2016 3:11

Instrument :

BNA_F

ClientSampleId :

PB92850BS

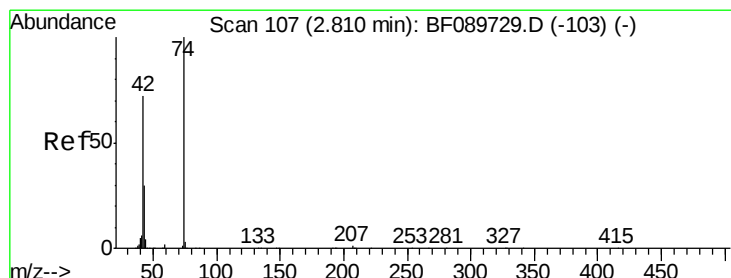
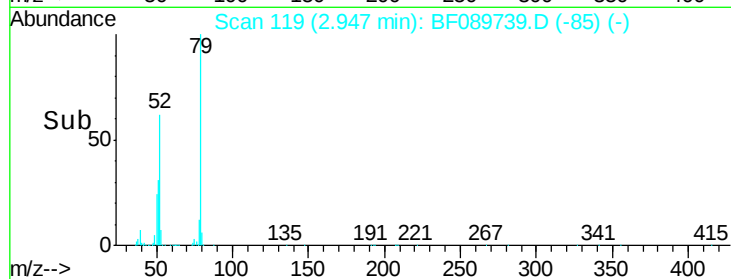
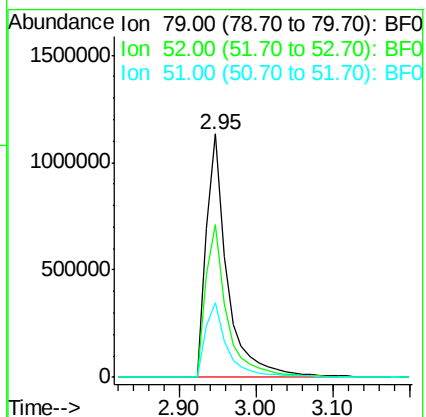
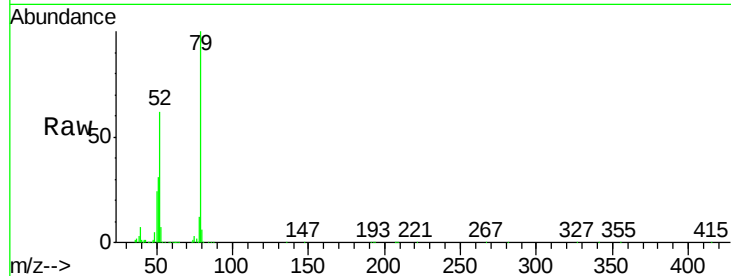
Tgt Ion: 79 Resp: 2144534

Ion Ratio Lower Upper

79 100

52 62.5 53.6 80.4

51 30.9 26.6 39.8



#4

n-Nitrosodimethylamine

Concen: 35.35 ng

RT: 2.91 min Scan# 116

Delta R.T. 0.10 min

Lab File: BF089739.D

Acq: 17 Aug 2016 3:11

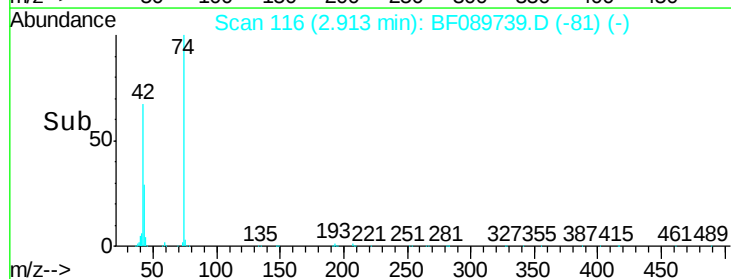
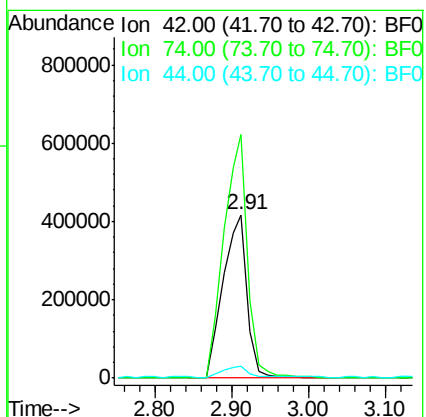
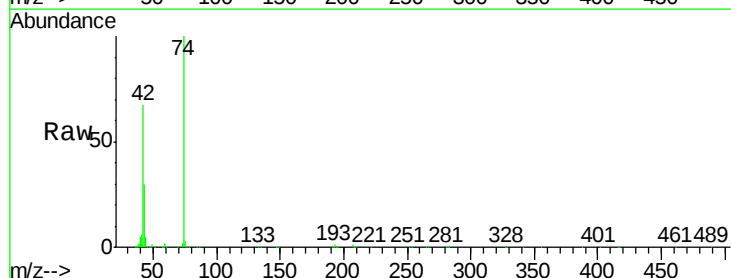
Tgt Ion: 42 Resp: 922117

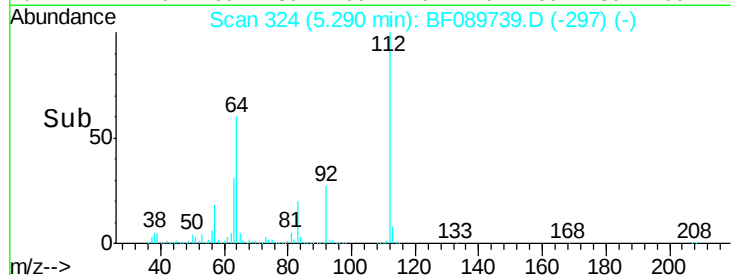
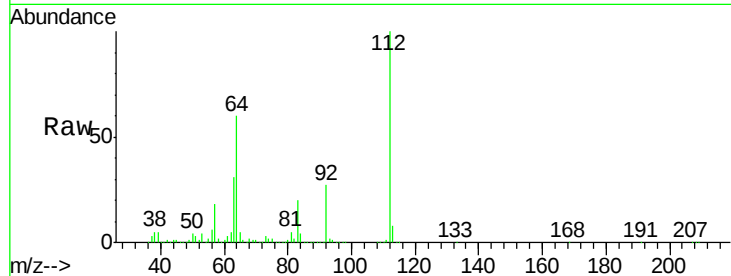
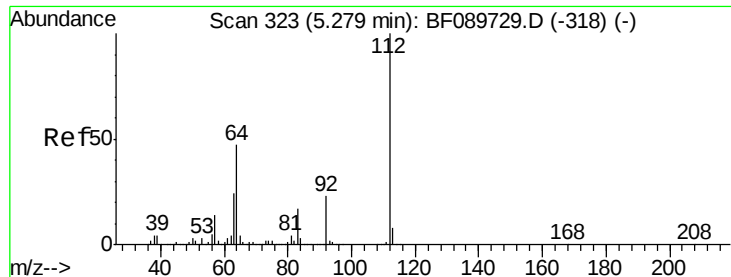
Ion Ratio Lower Upper

42 100

74 149.1 106.2 159.2

44 7.0 6.9 10.3





#5

2-Fluorophenol

Concen: 108.77 ng

RT: 5.29 min Scan# 324

Delta R.T. 0.01 min

Lab File: BF089739.D

Acq: 17 Aug 2016 3:11

Instrument :

BNA_F

ClientSampleId :

PB92850BS

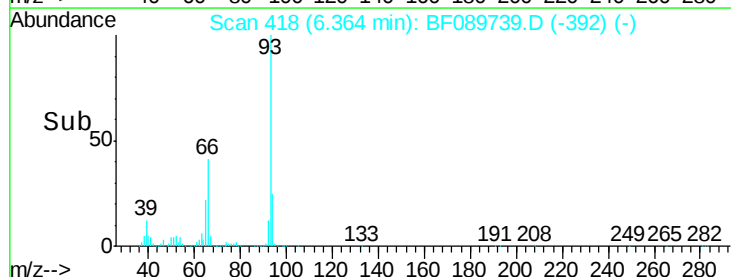
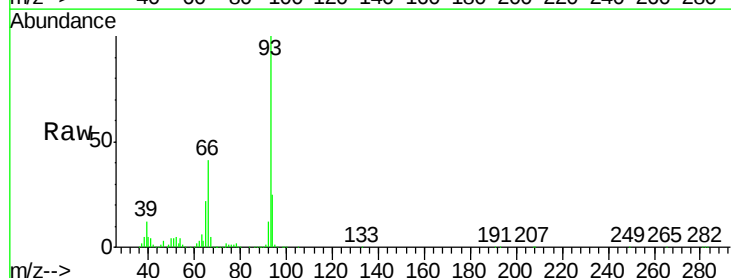
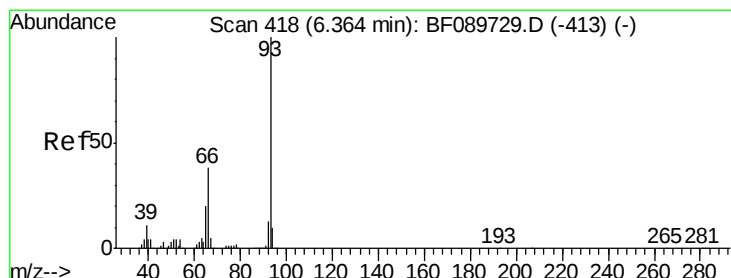
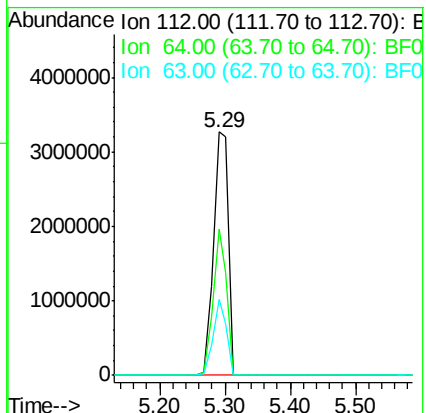
Tgt Ion: 112 Resp: 5313428

Ion Ratio Lower Upper

112 100

64 60.1 45.0 67.4

63 31.1 23.1 34.7



#6

Aniline

Concen: 31.00 ng

RT: 6.36 min Scan# 418

Delta R.T. 0.00 min

Lab File: BF089739.D

Acq: 17 Aug 2016 3:11

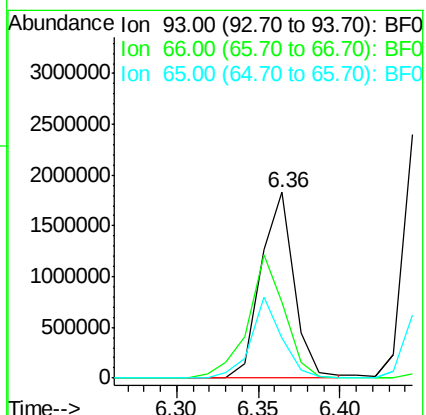
Tgt Ion: 93 Resp: 2588884

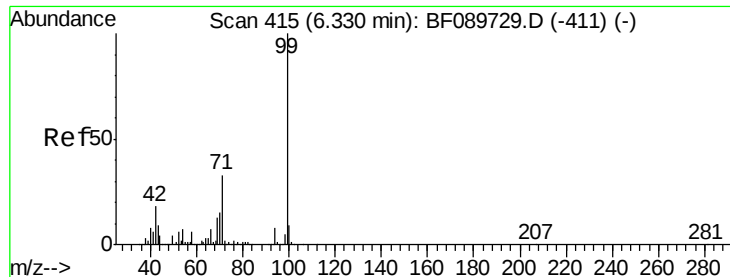
Ion Ratio Lower Upper

93 100

66 41.0 30.6 46.0

65 21.9 15.4 23.2





#7

Phenol-d6

Concen: 100.25 ng

RT: 6.34 min Scan# 416

Delta R.T. 0.01 min

Lab File: BF089739.D

Acq: 17 Aug 2016 3:11

Instrument :

BNA_F

ClientSampleId :

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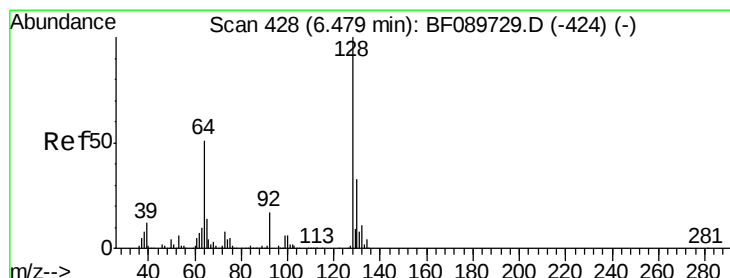
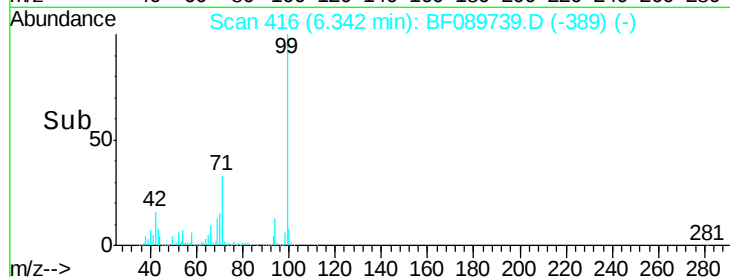
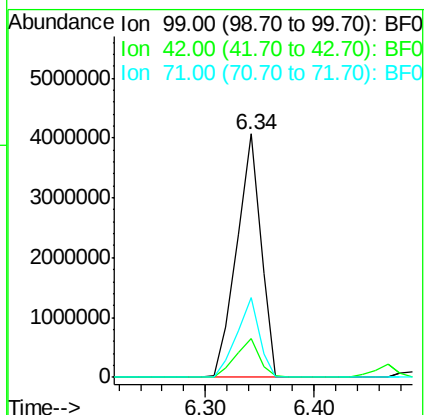
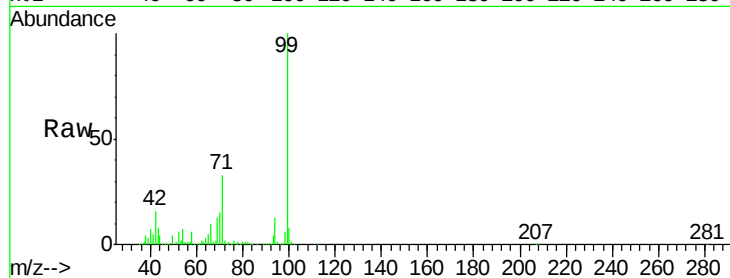
Tgt Ion: 99 Resp: 6228524

Ion Ratio Lower Upper

99 100

42 15.8 12.2 18.4

71 32.5 23.8 35.8



#8

2-Chlorophenol

Concen: 38.31 ng

RT: 6.49 min Scan# 429

Delta R.T. 0.01 min

Lab File: BF089739.D

Acq: 17 Aug 2016 3:11

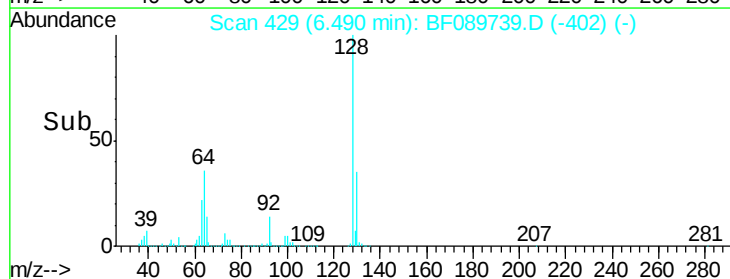
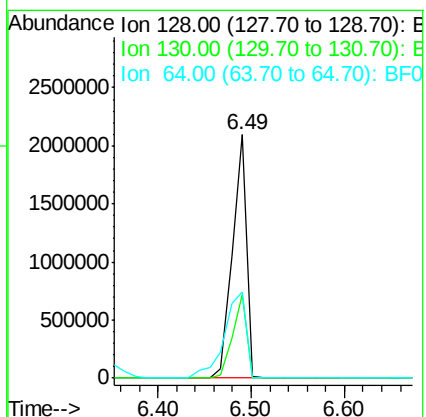
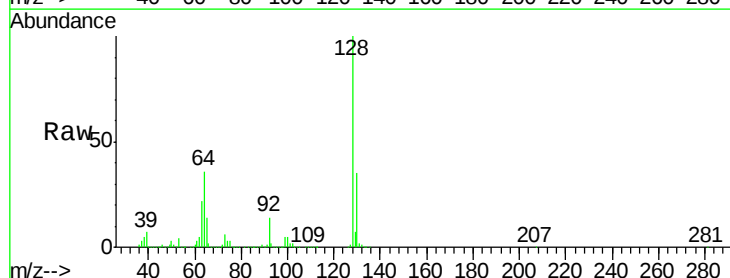
Tgt Ion: 128 Resp: 2225803

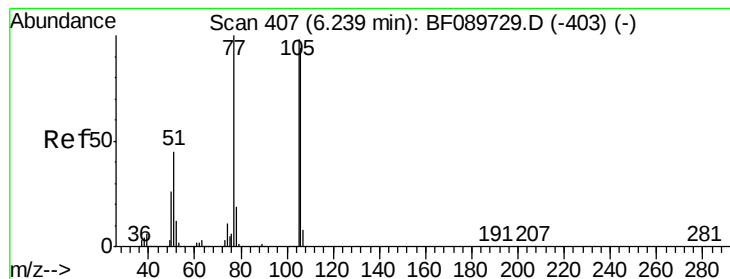
Ion Ratio Lower Upper

128 100

130 34.6 12.0 52.0

64 35.5 35.1 75.1





#9

Benzaldehyde

Concen: 16.32 ng

RT: 6.24 min Scan# 407

Delta R.T. 0.00 min

Lab File: BF089739.D

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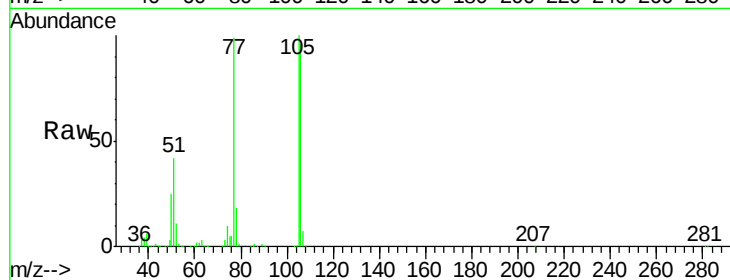
Tgt Ion: 77 Resp: 671957

Ion Ratio Lower Upper

77 100

105 101.4 73.3 113.3

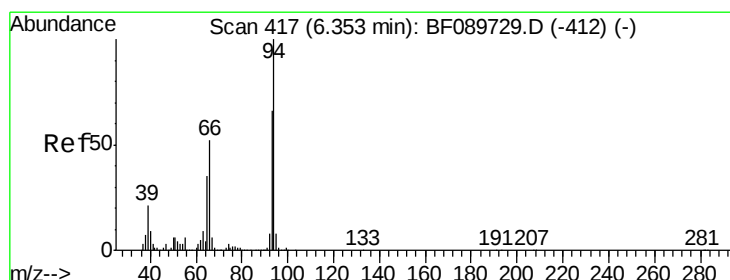
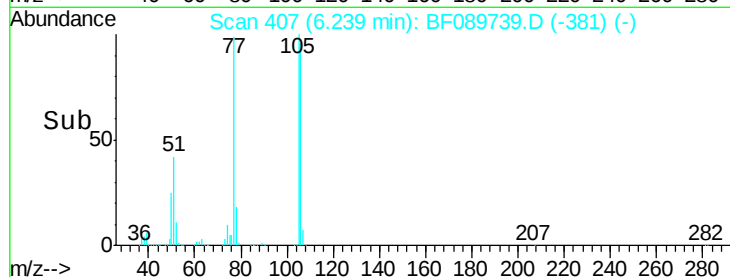
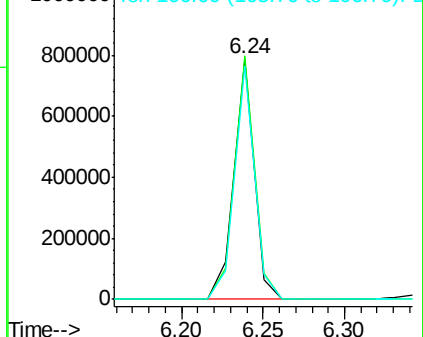
106 97.2 68.6 108.6



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 28.78 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF089739.D

Acq: 17 Aug 2016 3:11

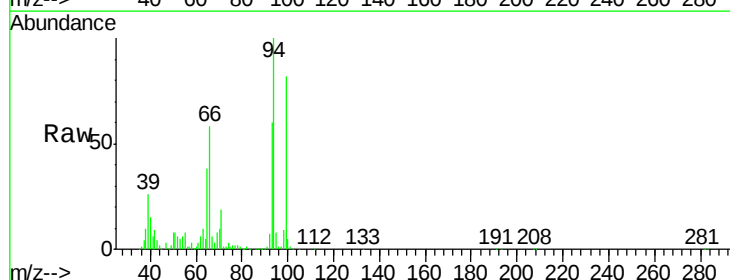
Tgt Ion: 94 Resp: 2225785

Ion Ratio Lower Upper

94 100

65 38.2 14.0 54.0

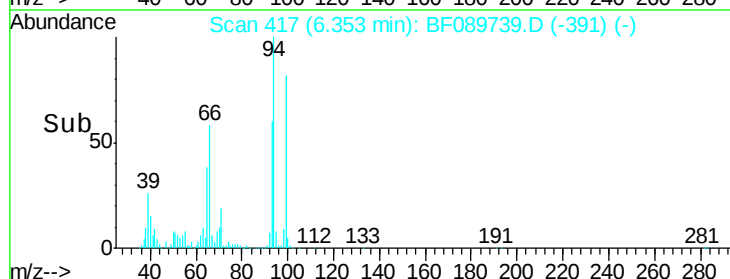
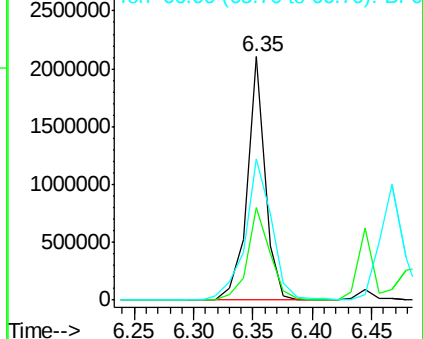
66 57.9 31.2 71.2

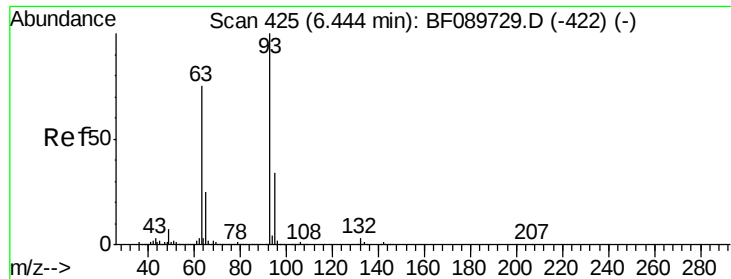


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

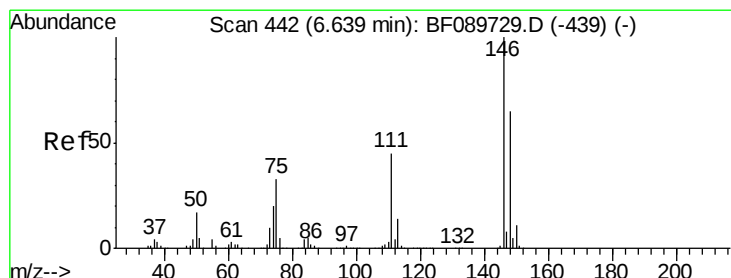
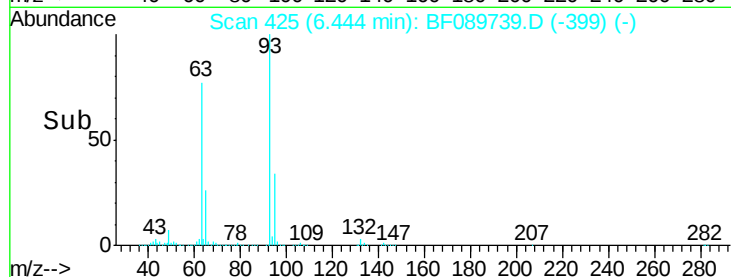
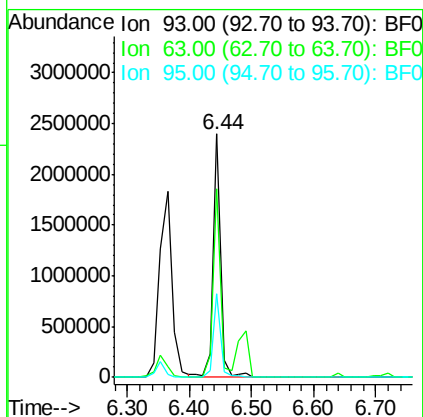
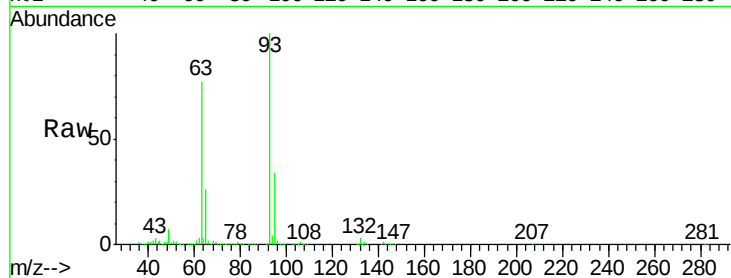




#11
 bis(2-Chloroethyl)ether
 Concen: 35.06 ng
 RT: 6.44 min Scan# 425
 Delta R.T. 0.00 min
 Lab File: BF089739.D
 Acq: 17 Aug 2016 3:11

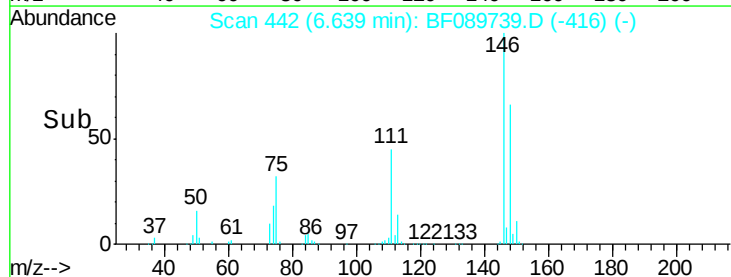
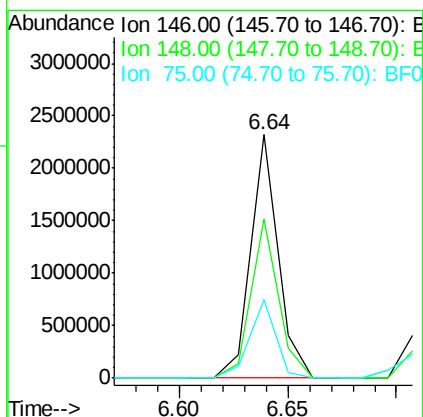
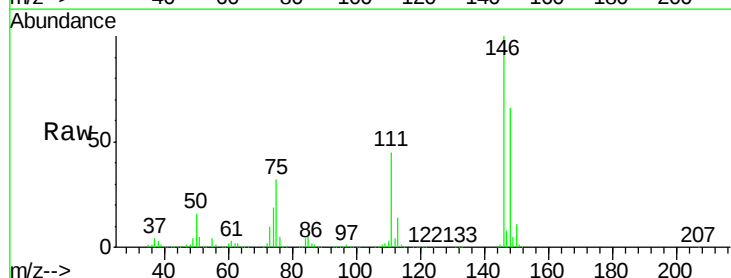
Instrument :
 BNA_F
 ClientSampleId :
 PB92850BS

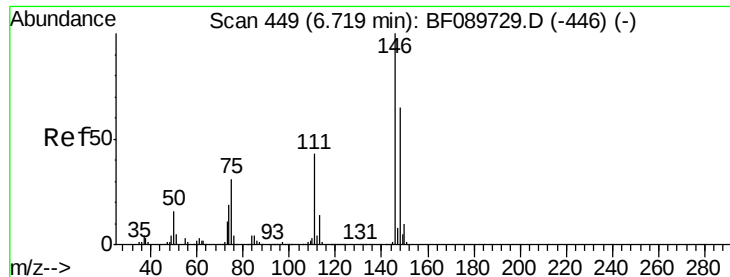
Tgt Ion: 93 Resp: 2008907
 Ion Ratio Lower Upper
 93 100
 63 77.4 55.8 95.8
 95 34.4 13.0 53.0



#12
 1,3-Dichlorobenzene
 Concen: 32.65 ng
 RT: 6.64 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: BF089739.D
 Acq: 17 Aug 2016 3:11

Tgt Ion: 146 Resp: 2027572
 Ion Ratio Lower Upper
 146 100
 148 65.5 51.0 76.4
 75 32.4 27.0 40.6

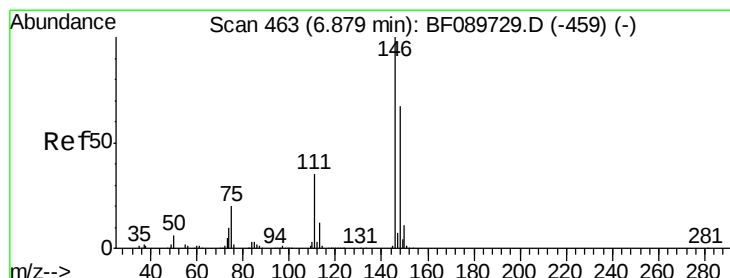
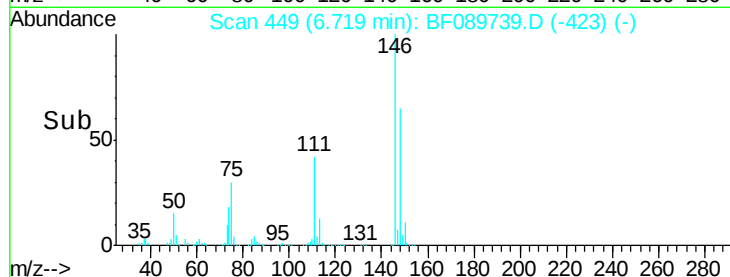
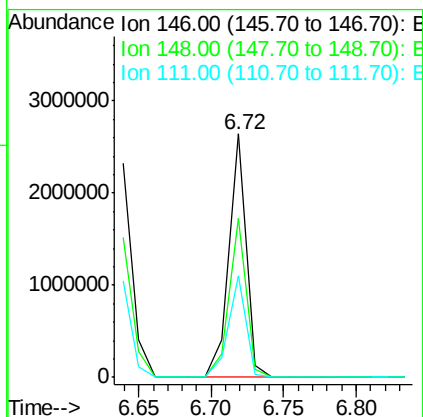
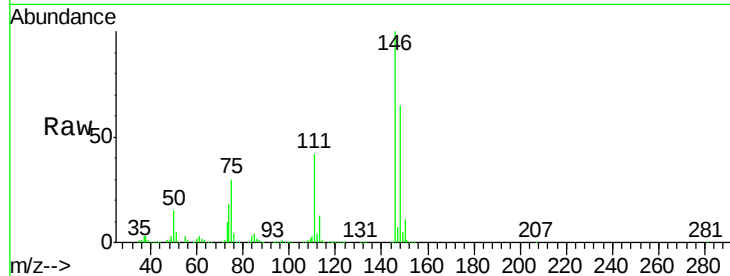




#13
 1,4-Dichlorobenzene
 Concen: 34.72 ng
 RT: 6.72 min Scan# 449
 Delta R.T. 0.00 min
 Lab File: BF089739.D
 Acq: 17 Aug 2016 3:11

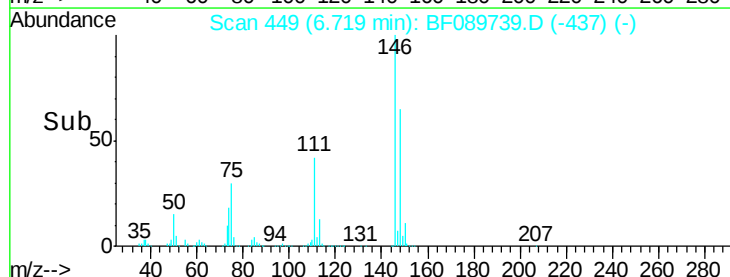
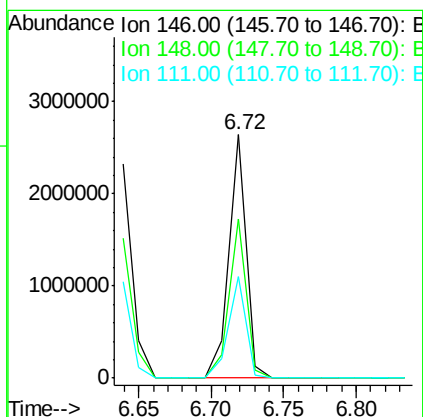
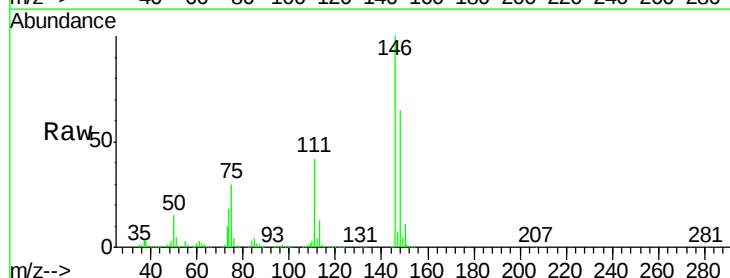
Instrument :
 BNA_F
 ClientSampleId :
 PB92850BS

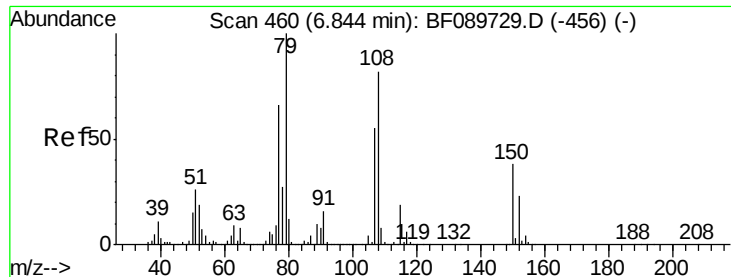
Tgt Ion:146 Resp: 2184692
 Ion Ratio Lower Upper
 146 100
 148 65.5 51.0 76.6
 111 41.6 34.6 52.0



#14
 1,2-Dichlorobenzene
 Concen: 36.42 ng
 RT: 6.72 min Scan# 449
 Delta R.T. -0.16 min
 Lab File: BF089739.D
 Acq: 17 Aug 2016 3:11

Tgt Ion:146 Resp: 2184692
 Ion Ratio Lower Upper
 146 100
 148 65.5 52.2 78.2
 111 41.6 29.8 44.6





#15

Benzyl Alcohol

Concen: 40.28 ng

RT: 6.86 min Scan# 461

Delta R.T. 0.01 min

Lab File: BF089739.D

Acq: 17 Aug 2016 3:11

Instrument :

BNA_F

ClientSampleId :

PB92850BS

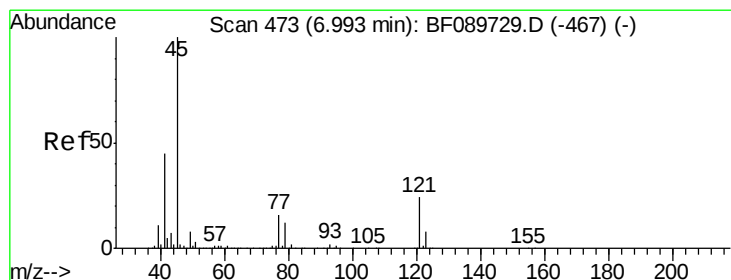
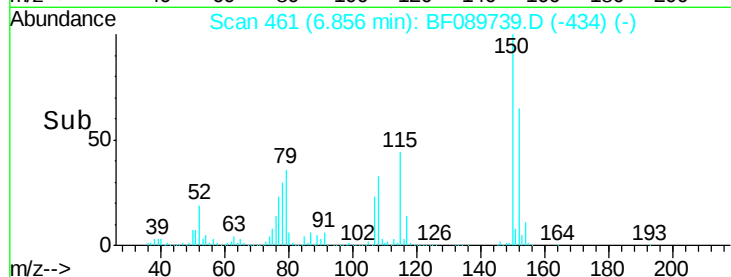
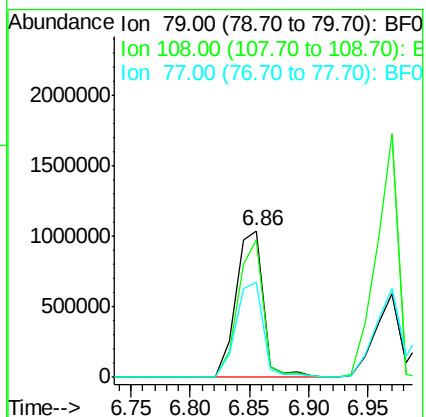
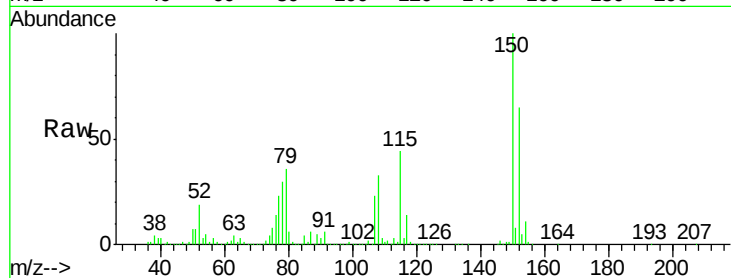
Tgt Ion: 79 Resp: 1672468

Ion Ratio Lower Upper

79 100

108 93.6 62.5 93.7

77 64.7 51.5 77.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 31.59 ng

RT: 6.99 min Scan# 473

Delta R.T. 0.00 min

Lab File: BF089739.D

Acq: 17 Aug 2016 3:11

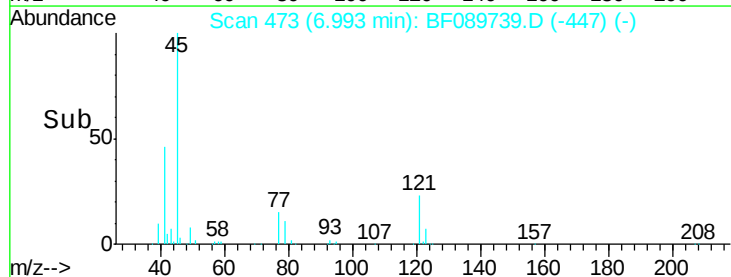
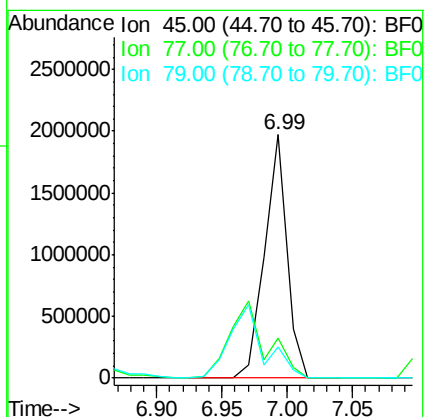
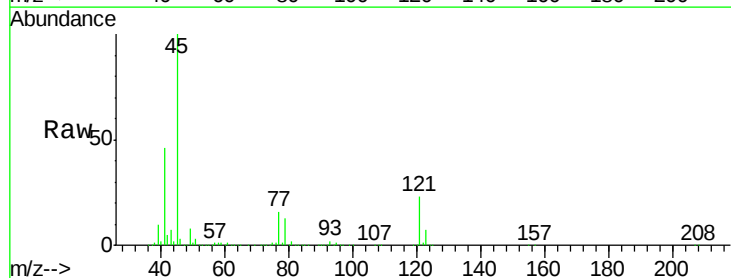
Tgt Ion: 45 Resp: 2374786

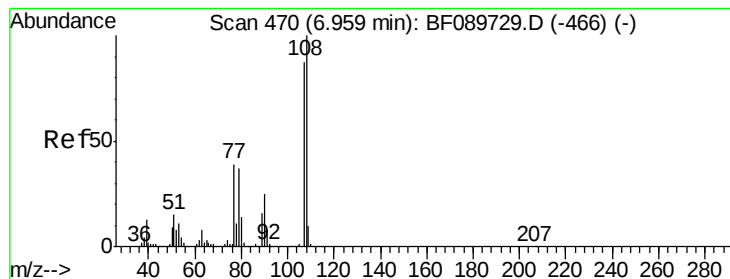
Ion Ratio Lower Upper

45 100

77 16.2 0.0 33.5

79 12.6 0.0 30.7

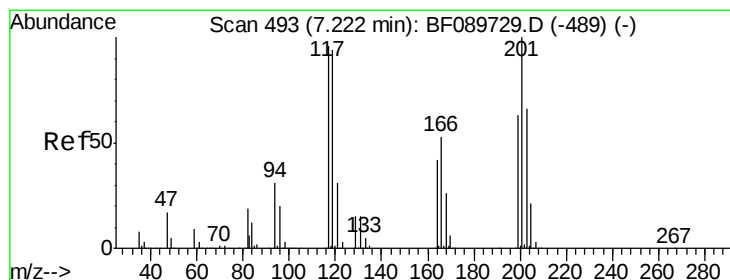
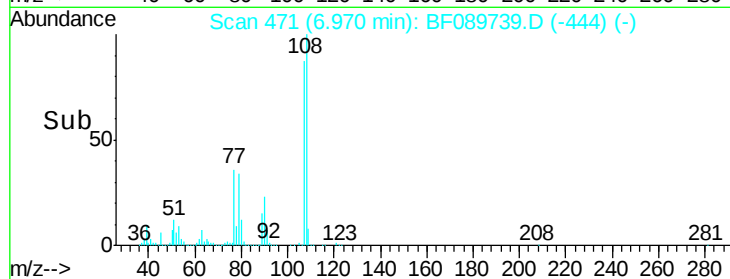
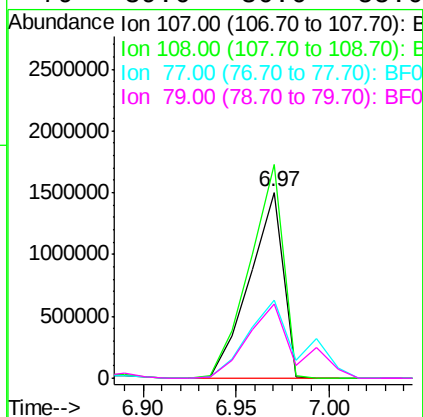
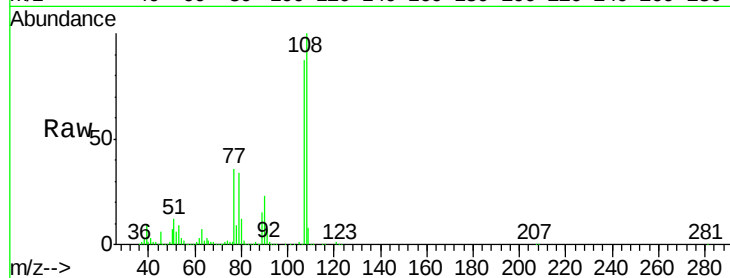




#17
 2-Methylphenol
 Concen: 40.97 ng
 RT: 6.97 min Scan# 471
 Delta R.T. 0.01 min
 Lab File: BF089739.D
 Acq: 17 Aug 2016 3:11

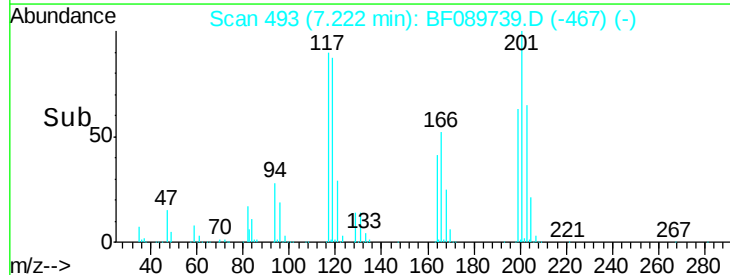
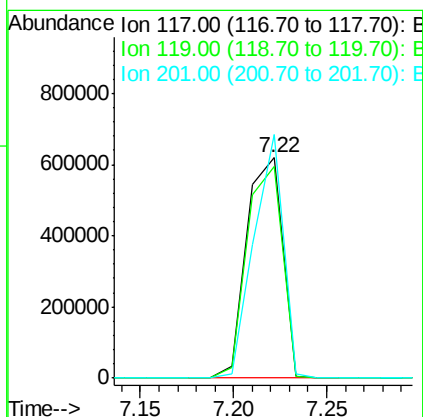
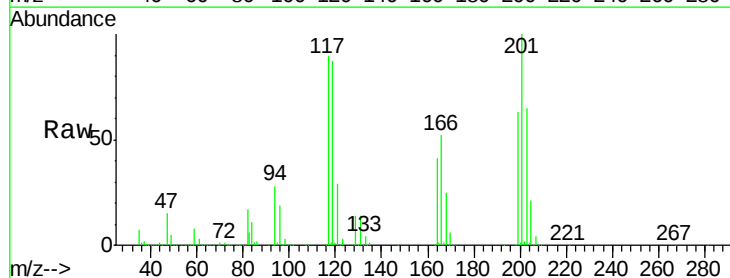
Instrument :
 BNA_F
 ClientSampleId :
 PB92850BS

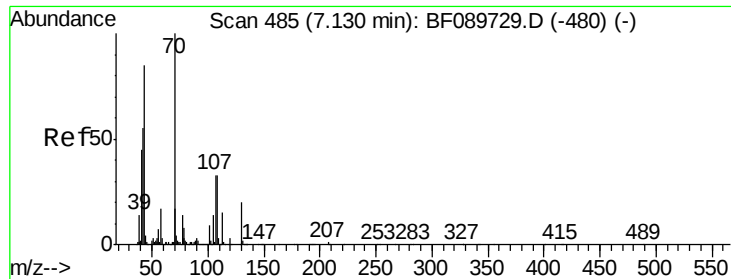
Tgt Ion:107 Resp: 1891152
 Ion Ratio Lower Upper
 107 100
 108 114.7 91.0 136.4
 77 41.8 37.4 56.0
 79 39.6 36.6 55.0



#18
 Hexachloroethane
 Concen: 35.66 ng
 RT: 7.22 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: BF089739.D
 Acq: 17 Aug 2016 3:11

Tgt Ion:117 Resp: 822368
 Ion Ratio Lower Upper
 117 100
 119 96.0 77.1 115.7
 201 110.7 76.9 115.3

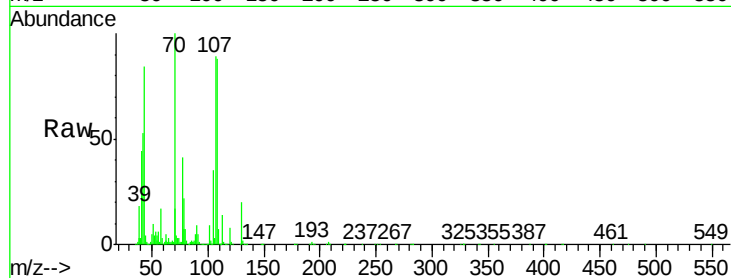




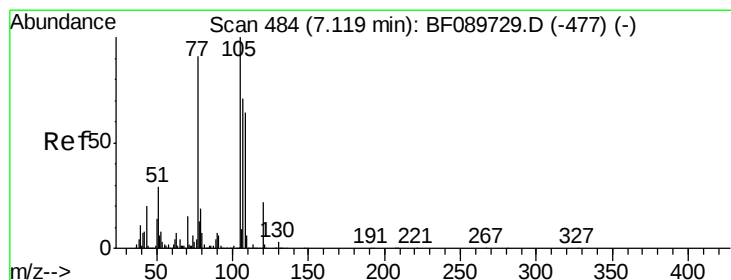
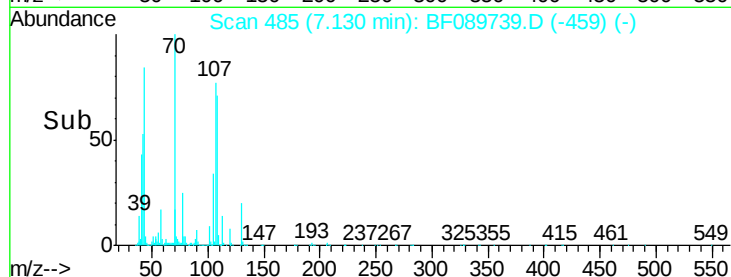
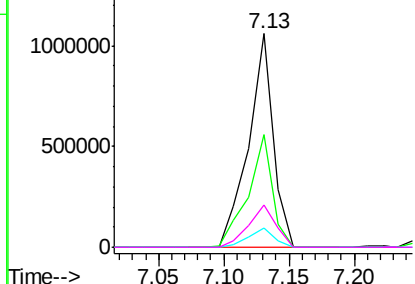
#19
n-Nitroso-di-n-propylamine
Concen: 34.56 ng
RT: 7.13 min Scan# 485
Delta R.T. 0.00 min
Lab File: BF089739.D
Acq: 17 Aug 2016 3:11

Instrument :
BNA_F
ClientSampleId :
PB92850BS

Tgt Ion: 70 Resp: 1406273
Ion Ratio Lower Upper
70 100
42 52.9 46.3 69.5
101 9.1 7.0 10.6
130 19.7 14.4 21.6

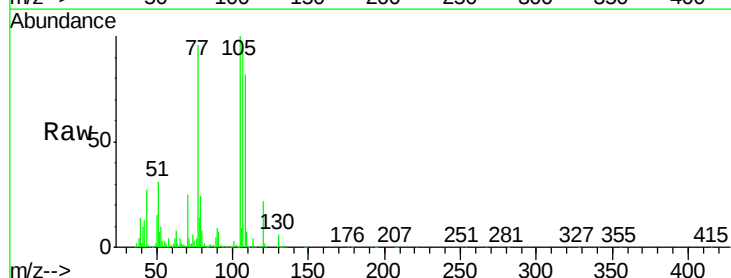


Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

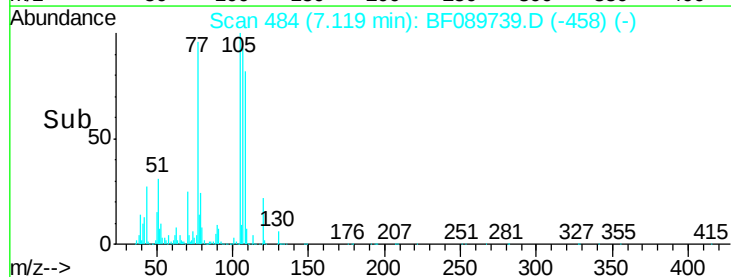
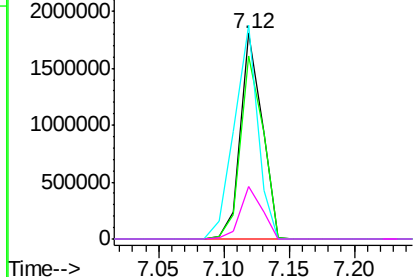


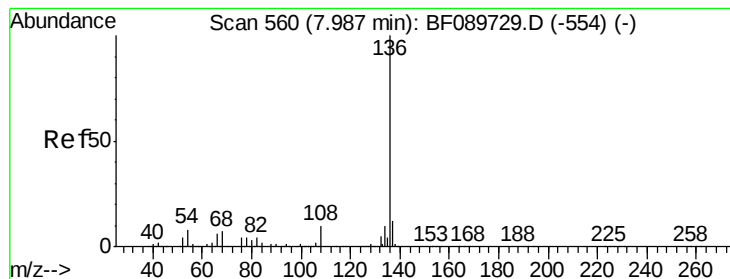
#20
3+4-Methylphenols
Concen: 35.06 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.00 min
Lab File: BF089739.D
Acq: 17 Aug 2016 3:11

Tgt Ion: 107 Resp: 2072881
Ion Ratio Lower Upper
107 100
108 88.9 68.2 108.2
77 103.8 122.3 162.3#
79 25.7 8.2 48.2



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.99 min Scan# 560

Delta R.T. 0.00 min

Lab File: BF089739.D

Acq: 17 Aug 2016 3:11

Instrument :

BNA_F

ClientSampleId :

PB92850BS

Tgt Ion:136 Resp: 3262380

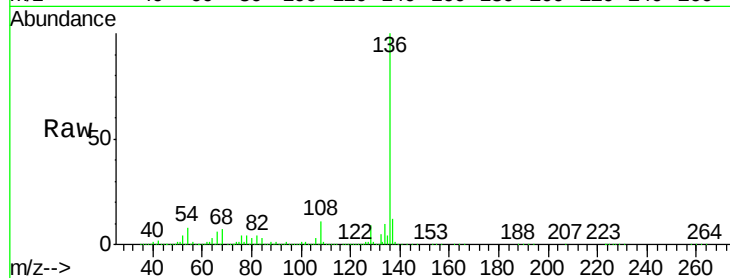
Ion Ratio Lower Upper

136 100

137 12.0 9.2 13.8

54 7.9 7.2 10.8

68 6.9 5.8 8.8

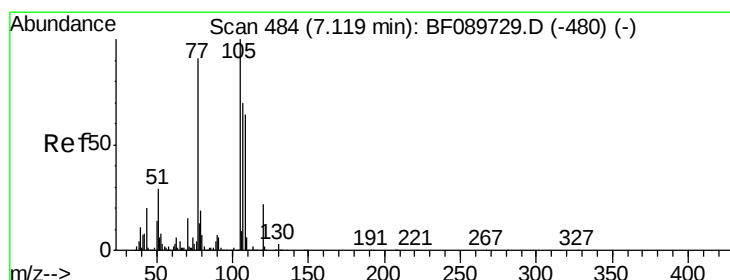
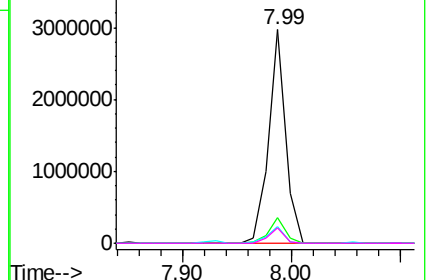
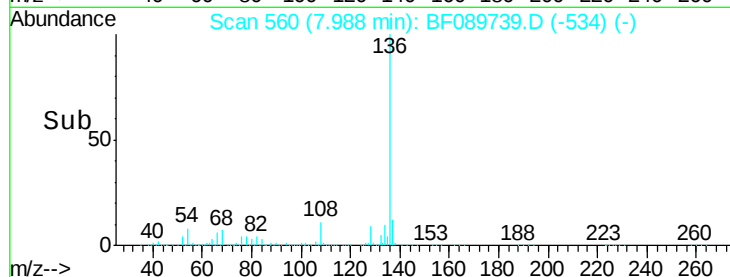


Abundance Ion 136.00 (135.70 to 136.70): E

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: 32.80 ng

RT: 7.12 min Scan# 484

Delta R.T. 0.00 min

Lab File: BF089739.D

Acq: 17 Aug 2016 3:11

Tgt Ion:105 Resp: 2487348

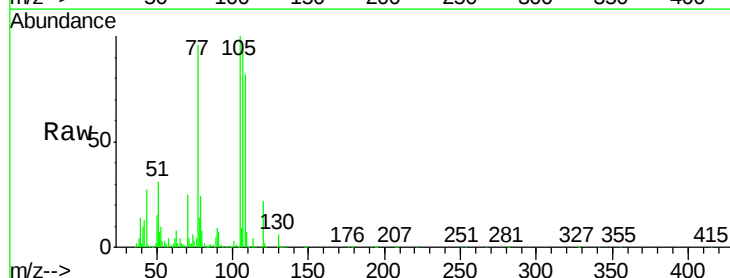
Ion Ratio Lower Upper

105 100

71 4.3 1.9 2.9#

51 30.9 28.5 42.7

120 21.7 16.6 25.0



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

