

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060516\
 Data File : BF087711.D
 Acq On : 5 Jun 2016 16:50
 Operator : UM/SJ
 Sample : H3362-03MS
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP16-JMW0991MS

Quant Time: Jun 06 02:59:52 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 04 11:07:28 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	149170	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	606535	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	293573	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	515027	20.00	ng	0.00
75) Chrysene-d12	14.02	240	374695	20.00	ng	0.00
86) Perylene-d12	15.45	264	312854	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	490315	53.13	ng	0.01
7) Phenol-d6	6.49	99	391510	33.83	ng	0.00
23) Nitrobenzene-d5	7.43	82	773116	73.75	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	307911	104.49	ng	0.01
44) 2-Fluorobiphenyl	9.23	172	1433928	71.23	ng	0.00
78) Terphenyl-d14	12.97	244	1044860	68.04	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.52	88	59038	13.23	ng	# 19
3) Pyridine	3.27	79	124395	10.56	ng	99
4) n-Nitrosodimethylamine	3.19	42	73386	14.74	ng	95
6) Aniline	6.52	93	349784	21.32	ng	97
8) 2-Chlorophenol	6.64	128	304759	28.70	ng	95
9) Benzaldehyde	6.40	77	32093	4.10	ng	85
10) Phenol	6.50	94	170926	12.97	ng	99
11) bis(2-Chloroethyl)ether	6.59	93	336447	35.13	ng	96
12) 1,3-Dichlorobenzene	6.80	146	370523	32.59	ng	99
13) 1,4-Dichlorobenzene	6.88	146	394061	34.54	ng	99
14) 1,2-Dichlorobenzene	7.04	146	358790	33.54	ng	99
15) Benzyl Alcohol	7.00	79	214136	25.04	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.14	45	501604	35.92	ng	97
17) 2-Methylphenol	7.12	107	220197	25.82	ng	97
18) Hexachloroethane	7.38	117	141998	35.59	ng	92
19) n-Nitroso-di-n-propylamine	7.29	70	274639	37.99	ng	# 81
20) 3+4-Methylphenols	7.27	107	222568	21.30	ng	# 67
22) Acetophenone	7.28	105	545414	39.70	ng	98
24) Nitrobenzene	7.45	77	451586	43.04	ng	95
25) Isophorone	7.69	82	739059	38.72	ng	100
26) 2-Nitrophenol	7.76	139	192917	39.57	ng	98
27) 2,4-Dimethylphenol	7.80	122	330157	32.68	ng	97
28) bis(2-Chloroethoxy)methane	7.91	93	495761	40.95	ng	99
29) 2,4-Dichlorophenol	8.00	162	302562	36.46	ng	99
30) 1,2,4-Trichlorobenzene	8.09	180	336425	38.72	ng	100
31) Naphthalene	8.17	128	1102812	37.40	ng	100
32) Benzoic acid	7.88	122	66974	10.99	ng	97
33) 4-Chloroaniline	8.22	127	388729	30.34	ng	99
34) Hexachlorobutadiene	8.30	225	170897	37.83	ng	98
35) Caprolactam	8.59	113	14507	5.32	ng	96
36) 4-Chloro-3-methylphenol	8.70	107	313149	36.48	ng	97
37) 2-Methylnaphthalene	8.87	142	754800	38.76	ng	100
39) 1,2,4,5-Tetrachlorobenzene	9.03	216	282315	34.89	ng	# 1
40) Hexachlorocyclopentadiene	9.02	237	296550	62.31	ng	100

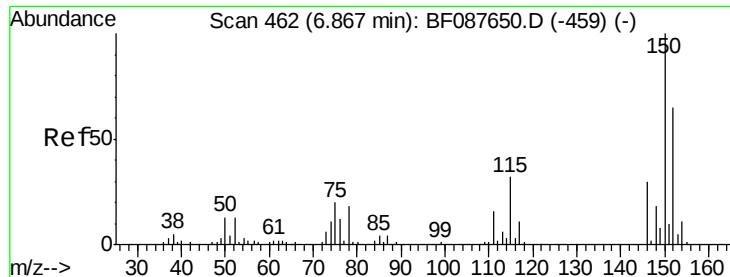
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060516\
 Data File : BF087711.D
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.14	196	237783	38.91	ng	98
43) 2,4,5-Trichlorophenol	9.18	196	221879	39.02	ng	96
45) 1,1'-Biphenyl	9.32	154	829793	34.83	ng	99
46) 2-Chloronaphthalene	9.35	162	670974	35.38	ng	99
47) 2-Nitroaniline	9.45	65	235026	44.01	ng	# 67
48) Acenaphthylene	9.77	152	1180688	39.92	ng	99
49) Dimethylphthalate	9.63	163	757788	35.51	ng	99
50) 2,6-Dinitrotoluene	9.69	165	179904	37.05	ng	# 67
51) Acenaphthene	9.94	154	799787	42.03	ng	99
52) 3-Nitroaniline	9.86	138	210813	37.96	ng	86
53) 2,4-Dinitrophenol	9.96	184	179783	81.50	ng	# 84
54) Dibenzofuran	10.11	168	1048586	40.47	ng	93
55) 4-Nitrophenol	10.01	139	119545	25.18	ng	86
56) 2,4-Dinitrotoluene	10.09	165	229004	37.03	ng	# 64
57) Fluorene	10.46	166	770819	38.06	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.23	232	191029	39.00	ng	# 54
59) Diethylphthalate	10.33	149	762269	35.56	ng	99
60) 4-Chlorophenyl-phenylether	10.44	204	293441	34.24	ng	97
61) 4-Nitroaniline	10.47	138	204826	38.36	ng	94
62) Azobenzene	10.60	77	812215	37.65	ng	97
64) 4,6-Dinitro-2-methylphenol	10.50	198	127090	44.55	ng	# 60
65) n-Nitrosodiphenylamine	10.57	169	733824	43.50	ng	100
66) 4-Bromophenyl-phenylether	10.94	248	215771	42.25	ng	# 92
67) Hexachlorobenzene	10.99	284	221537	38.79	ng	94
68) Atrazine	11.10	200	203551	40.74	ng	93
69) Pentachlorophenol	11.19	266	224141	66.05	ng	98
70) Phenanthrene	11.42	178	1153293	41.30	ng	99
71) Anthracene	11.46	178	1002523	35.83	ng	100
72) Carbazole	11.62	167	1129079	42.63	ng	97
73) Di-n-butylphthalate	11.95	149	1176655	41.44	ng	100
74) Fluoranthene	12.59	202	1001087	36.43	ng	98
76) Benzidine	12.72	184	442007	29.92	ng	99
77) Pyrene	12.82	202	992276	37.19	ng	99
79) Butylbenzylphthalate	13.45	149	531251	46.78	ng	98
80) Benzo(a)anthracene	14.01	228	774964	35.84	ng	99
81) 3,3'-Dichlorobenzidine	13.98	252	219146	35.92	ng	# 99
82) Chrysene	14.05	228	760220	35.32	ng	99
83) Bis(2-ethylhexyl)phthalate	14.01	149	599517	44.37	ng	# 98
84) Di-n-octyl phthalate	14.62	149	1010665	40.23	ng	# 100
85) Indeno(1,2,3-cd)pyrene	16.85	276	784227	44.08	ng	# 100
87) Benzo(b)fluoranthene	15.04	252	782986	38.47	ng	# 98
88) Benzo(k)fluoranthene	15.04	252	782986	46.24	ng	# 97
89) Benzo(a)pyrene	15.38	252	707520	41.36	ng	100
90) Dibenzo(a,h)anthracene	16.87	278	649212	44.59	ng	97
91) Benzo(g,h,i)perylene	17.27	276	658325	44.82	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 461

Delta R.T. -0.01 min

Lab File: BF087711.D

Acq: 5 Jun 2016 16:50

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BNA_F

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SP16-JMW0991MS

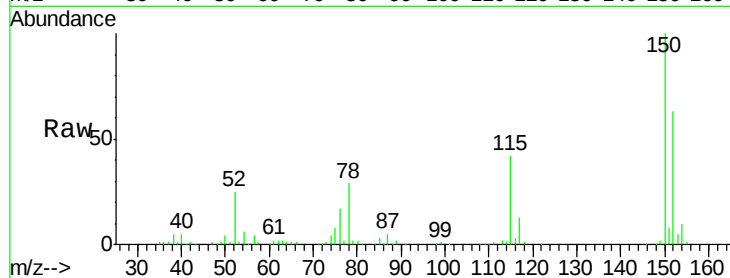
Tgt Ion:152 Resp: 149170

Ion Ratio Lower Upper

152 100

150 159.0 123.8 185.6

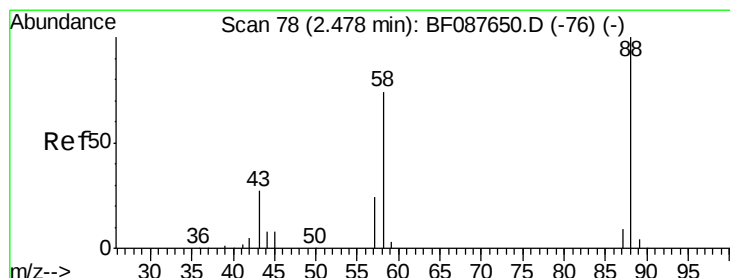
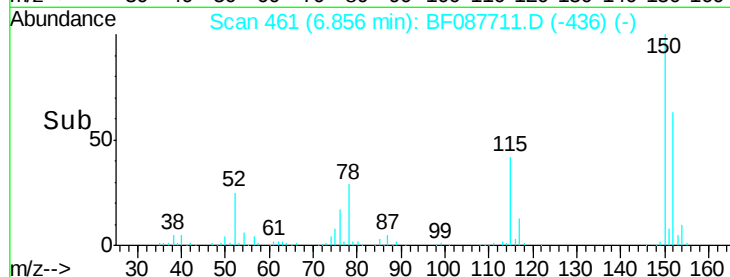
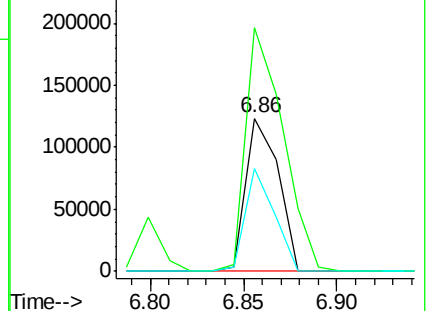
115 67.1 39.6 59.4#



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: 13.23 ng

RT: 2.52 min Scan# 82

Delta R.T. 0.05 min

Lab File: BF087711.D

Acq: 5 Jun 2016 16:50

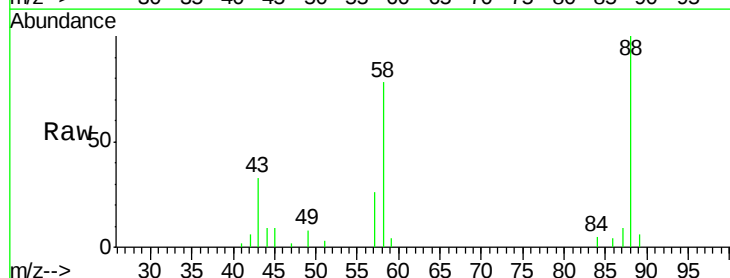
Tgt Ion: 88 Resp: 59038

Ion Ratio Lower Upper

88 100

58 78.3 0.0 0.0#

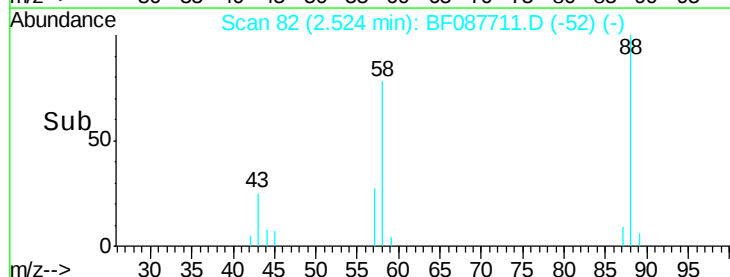
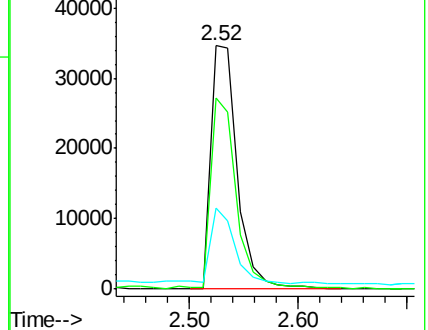
43 31.0 3.4 5.2#

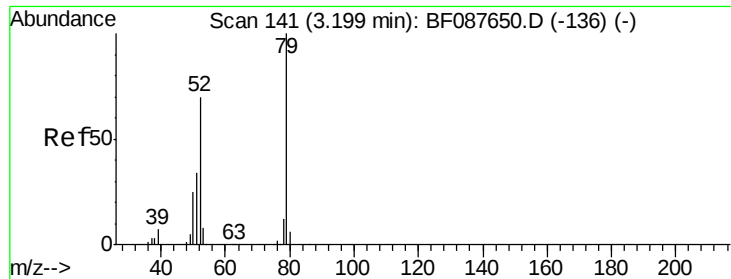


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 10.56 ng

RT: 3.27 min Scan# 147

Delta R.T. 0.07 min

Lab File: BF087711.D

Acq: 5 Jun 2016 16:50

Instrument :

BNA_F

ClientSampleId :

SP16-JMW0991MS

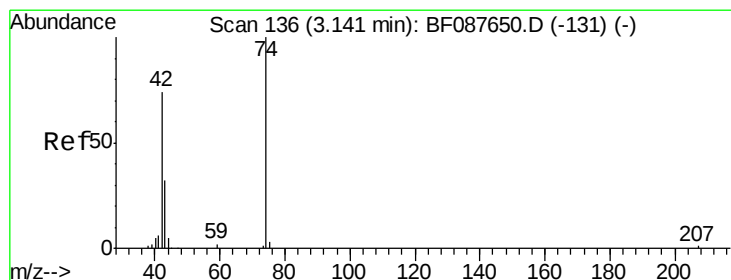
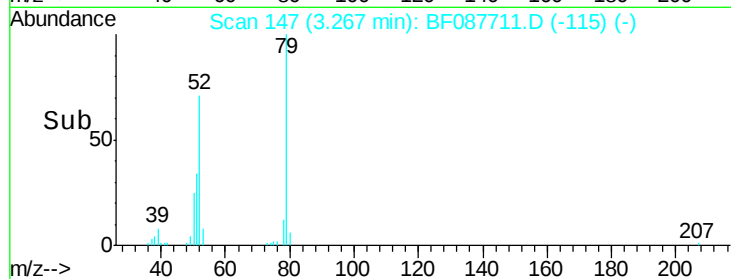
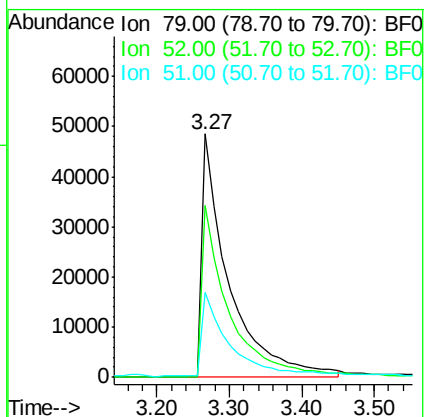
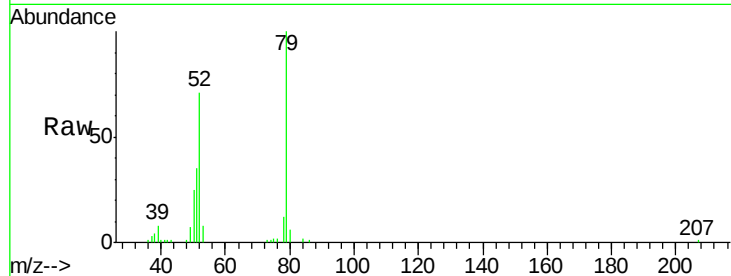
Tgt Ion: 79 Resp: 124395

Ion Ratio Lower Upper

79 100

52 70.8 56.3 84.5

51 35.1 27.4 41.2



#4

n-Nitrosodimethylamine

Concen: 14.74 ng

RT: 3.19 min Scan# 140

Delta R.T. 0.05 min

Lab File: BF087711.D

Acq: 5 Jun 2016 16:50

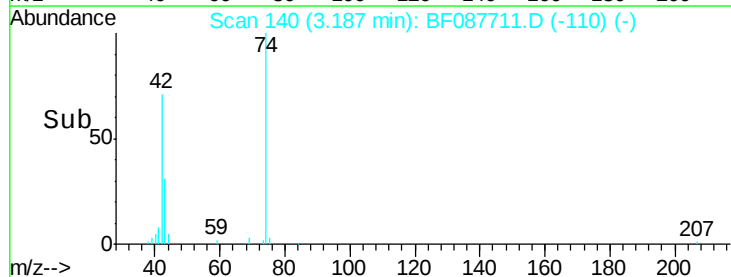
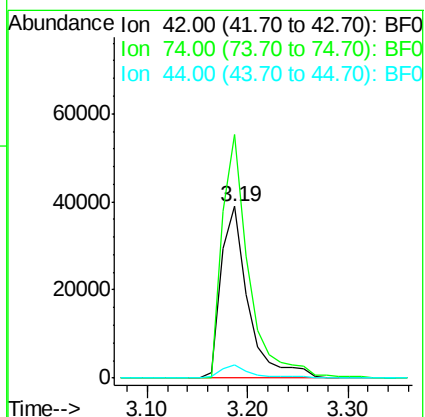
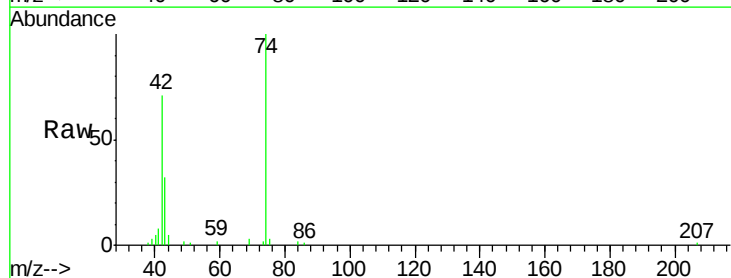
Tgt Ion: 42 Resp: 73386

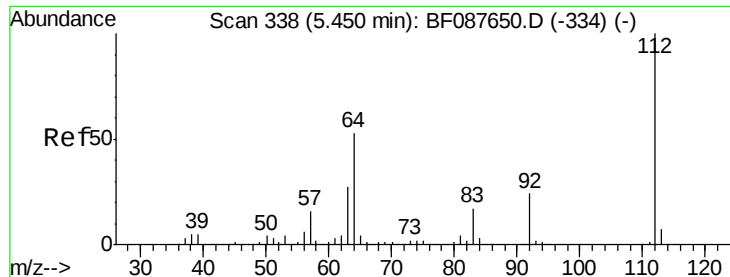
Ion Ratio Lower Upper

42 100

74 141.7 108.6 163.0

44 7.3 5.5 8.3





#5

2-Fluorophenol

Concen: 53.13 ng

RT: 5.46 min Scan# 339

Delta R.T. 0.01 min

Lab File: BF087711.D

Acq: 5 Jun 2016 16:50

Instrument :

BNA_F

ClientSampleId :

SP16-JMW0991MS

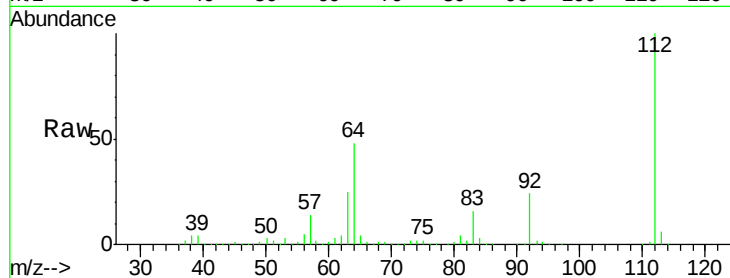
Tgt Ion: 112 Resp: 490315

Ion Ratio Lower Upper

112 100

64 48.3 42.2 63.2

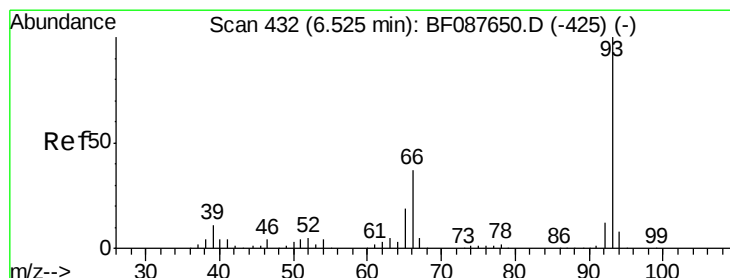
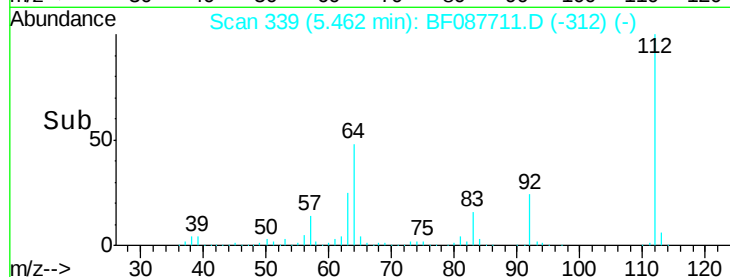
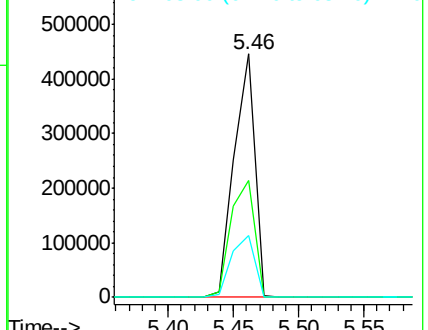
63 25.2 21.8 32.8



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



#6

Aniline

Concen: 21.32 ng

RT: 6.52 min Scan# 432

Delta R.T. -0.00 min

Lab File: BF087711.D

Acq: 5 Jun 2016 16:50

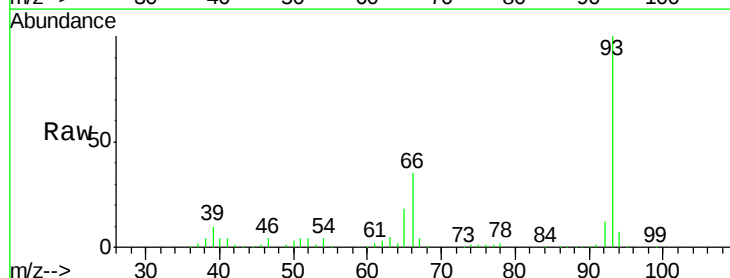
Tgt Ion: 93 Resp: 349784

Ion Ratio Lower Upper

93 100

66 35.2 29.8 44.8

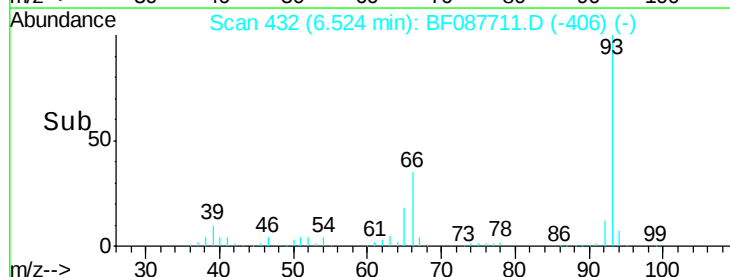
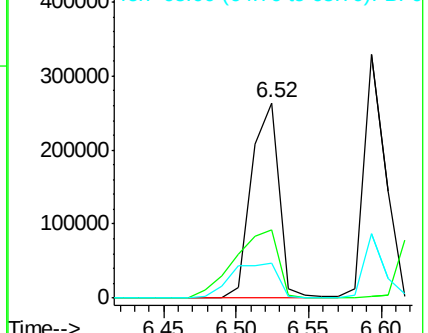
65 17.9 14.9 22.3

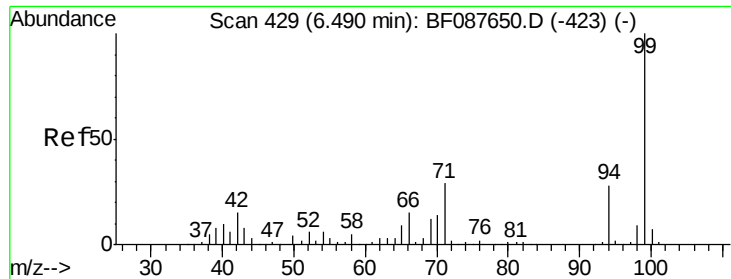


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 33.83 ng

RT: 6.49 min Scan# 429

Delta R.T. -0.00 min

Lab File: BF087711.D

Acq: 5 Jun 2016 16:50

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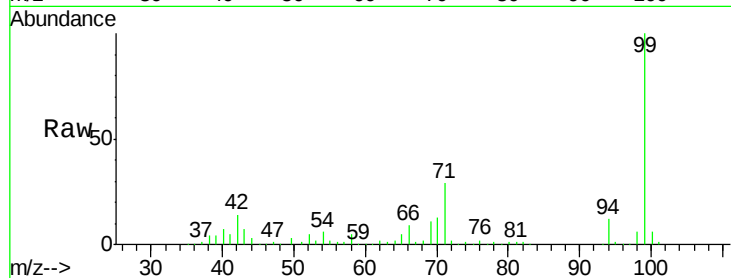
Tgt Ion: 99 Resp: 391510

Ion Ratio Lower Upper

99 100

42 14.2 12.2 18.2

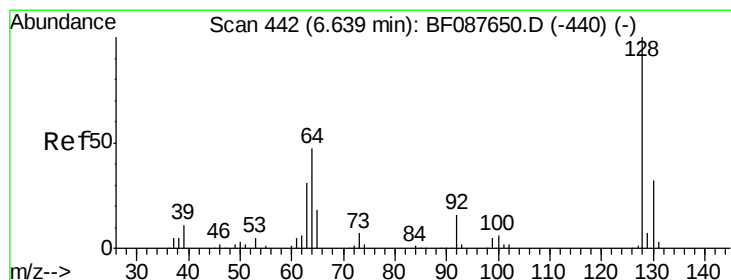
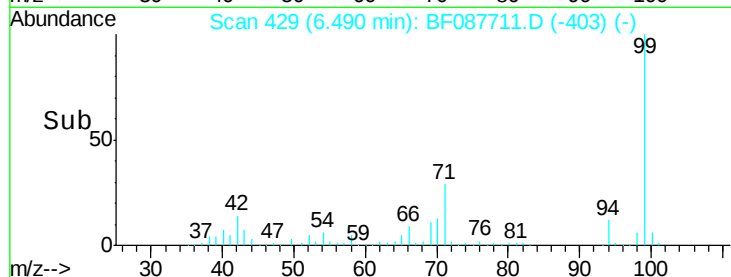
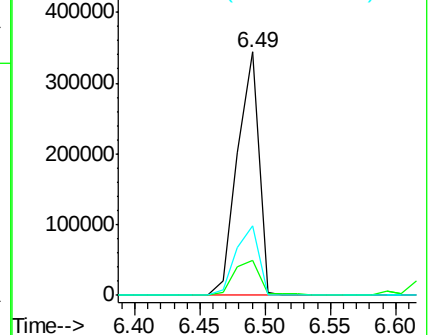
71 28.7 23.4 35.0



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



#8

2-Chlorophenol

Concen: 28.70 ng

RT: 6.64 min Scan# 442

Delta R.T. -0.00 min

Lab File: BF087711.D

Acq: 5 Jun 2016 16:50

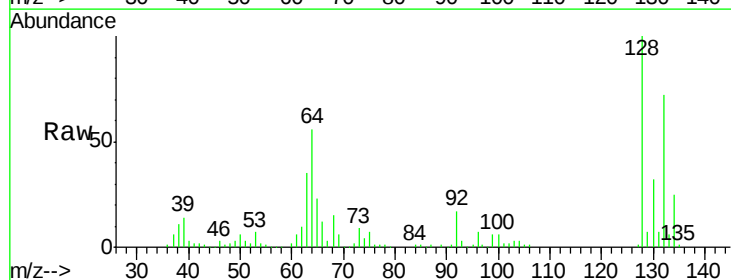
Tgt Ion: 128 Resp: 304759

Ion Ratio Lower Upper

128 100

130 31.8 12.0 52.0

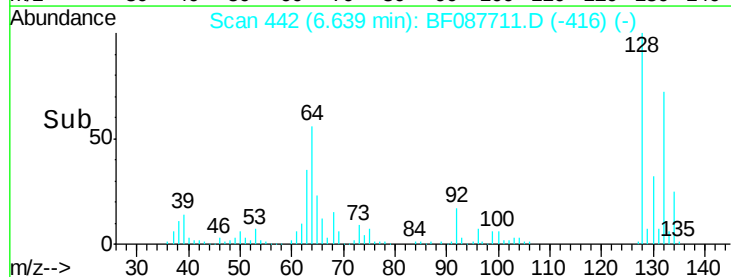
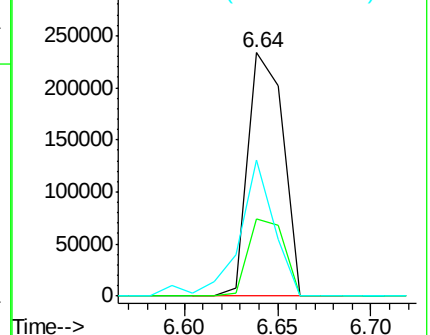
64 56.0 30.8 70.8

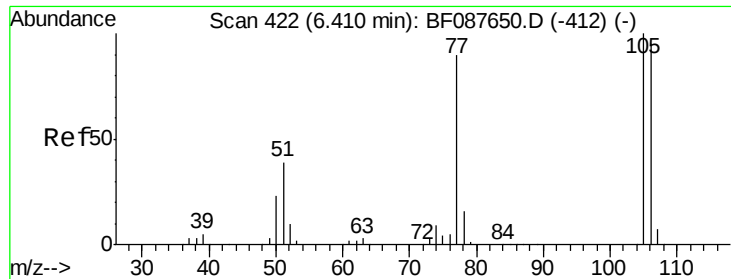


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 4.10 ng

RT: 6.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: BF087711.D

Acq: 5 Jun 2016 16:50

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ClientSampleId :

SP16-JMW0991MS

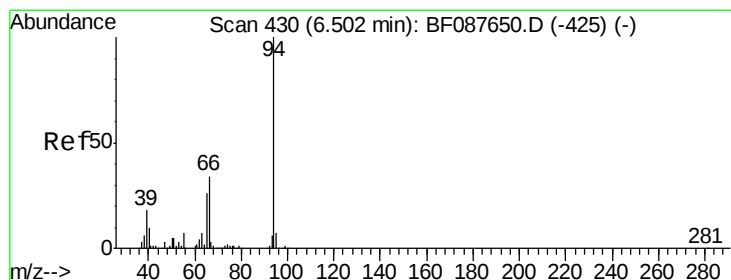
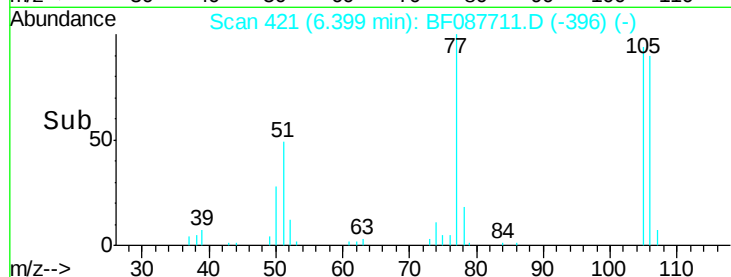
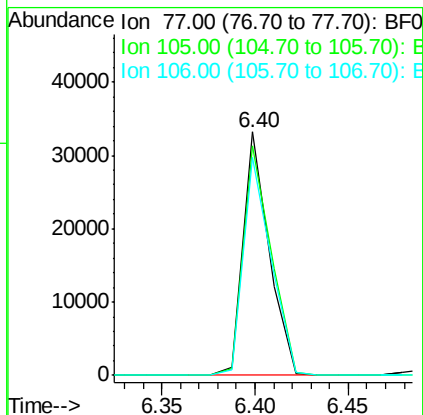
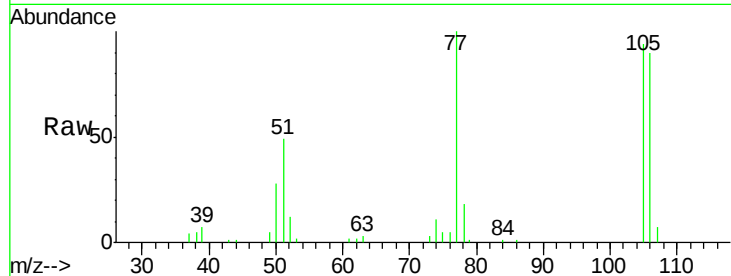
Tgt Ion: 77 Resp: 32093

Ion Ratio Lower Upper

77 100

105 94.3 90.6 130.6

106 89.6 85.3 125.3



#10

Phenol

Concen: 12.97 ng

RT: 6.50 min Scan# 430

Delta R.T. -0.00 min

Lab File: BF087711.D

Acq: 5 Jun 2016 16:50

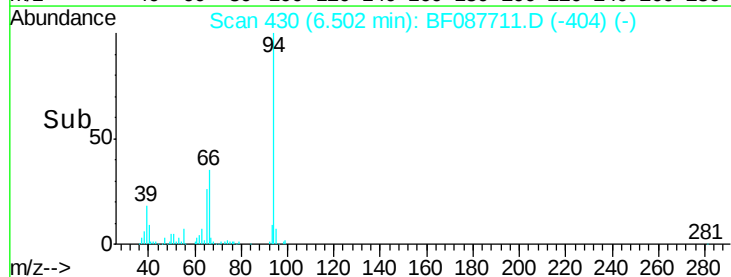
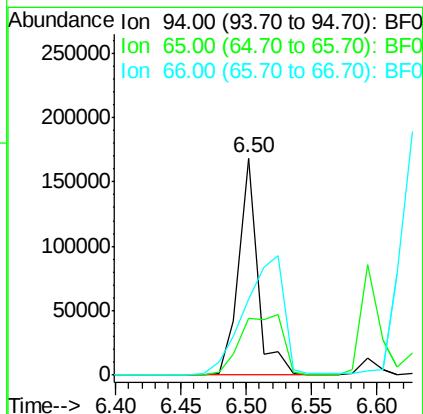
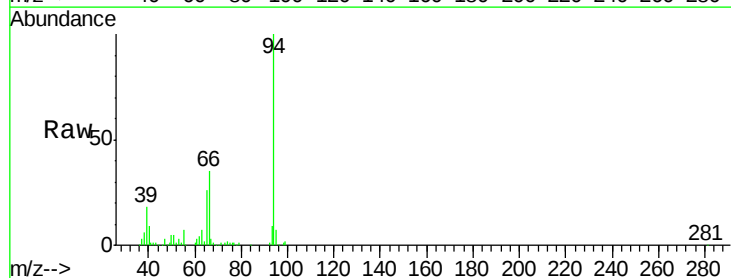
Tgt Ion: 94 Resp: 170926

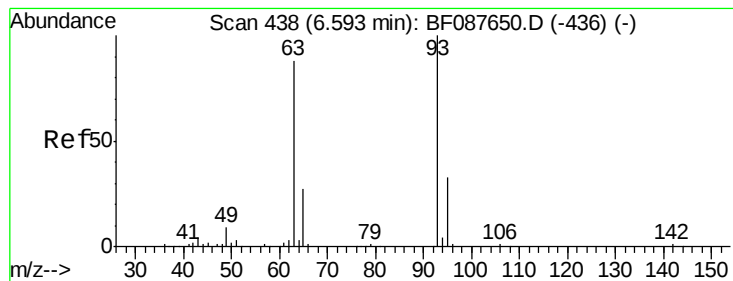
Ion Ratio Lower Upper

94 100

65 26.3 5.9 45.9

66 34.9 14.0 54.0

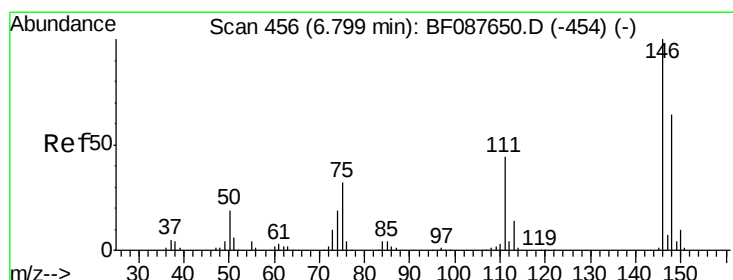
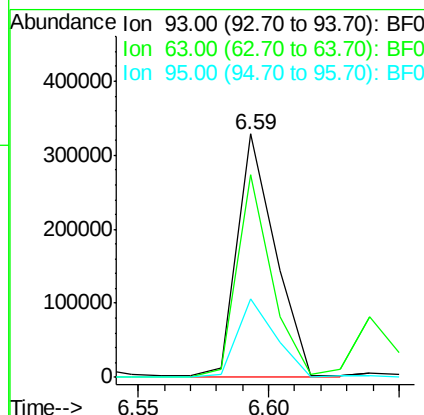
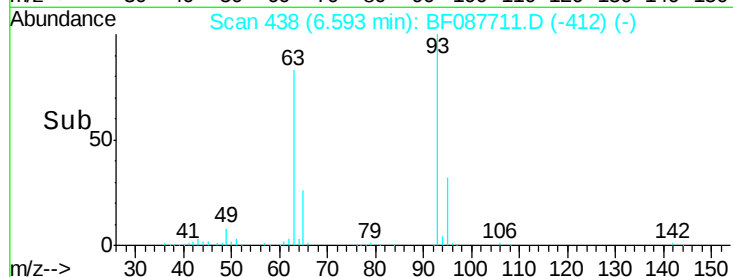
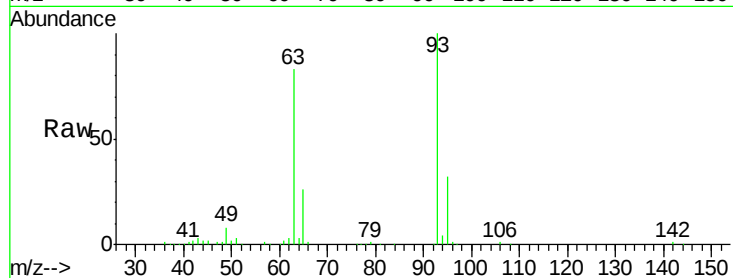




#11
bis(2-Chloroethyl)ether
Concen: 35.13 ng
RT: 6.59 min Scan# 438
Delta R.T. -0.00 min
Lab File: BF087711.D
Acq: 5 Jun 2016 16:50

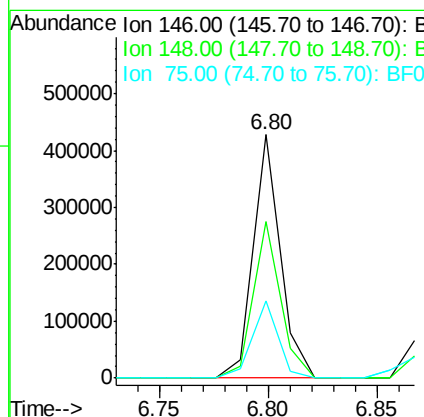
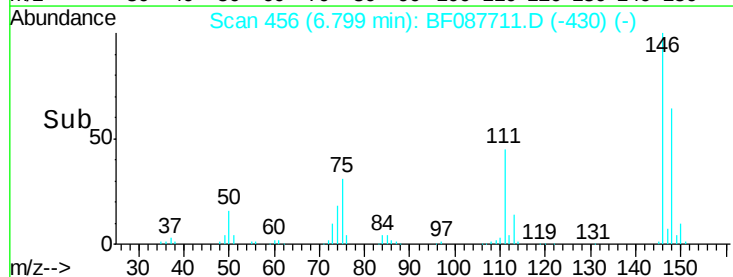
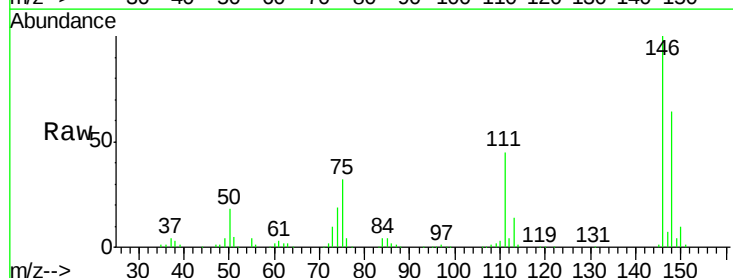
Instrument :
BNA_F
ClientSampleId :
SP16-JMW0991MS

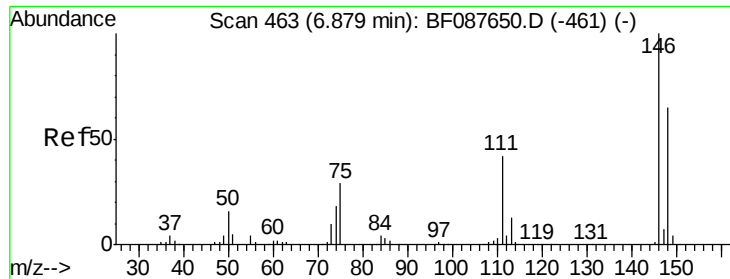
Tgt Ion: 93 Resp: 336447
Ion Ratio Lower Upper
93 100
63 83.1 67.6 107.6
95 32.4 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 32.59 ng
RT: 6.80 min Scan# 456
Delta R.T. -0.00 min
Lab File: BF087711.D
Acq: 5 Jun 2016 16:50

Tgt Ion: 146 Resp: 370523
Ion Ratio Lower Upper
146 100
148 64.1 50.9 76.3
75 31.8 25.6 38.4

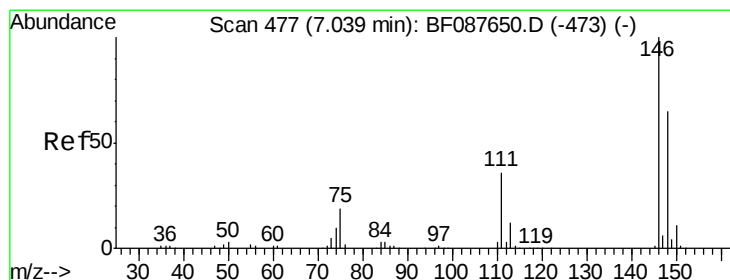
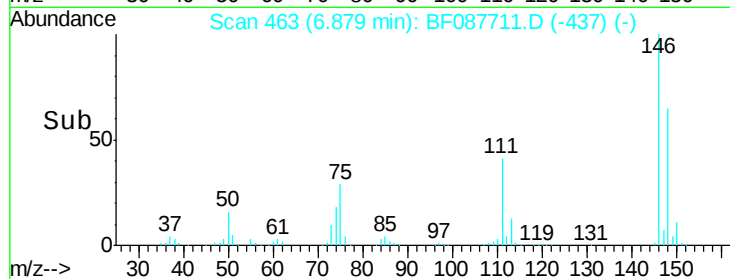
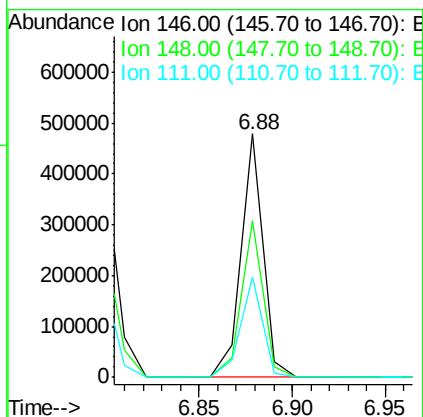
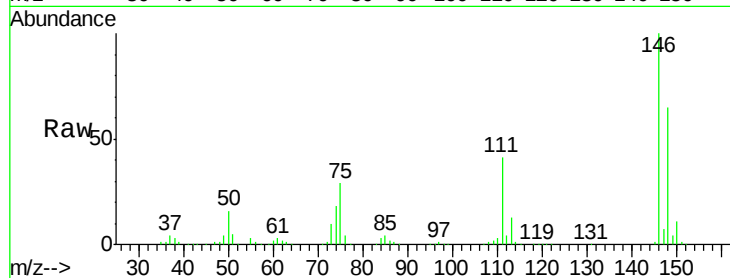




#13
 1,4-Dichlorobenzene
 Concen: 34.54 ng
 RT: 6.88 min Scan# 463
 Delta R.T. -0.00 min
 Lab File: BF087711.D
 Acq: 5 Jun 2016 16:50

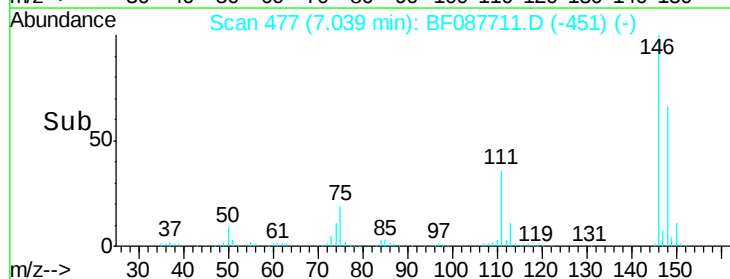
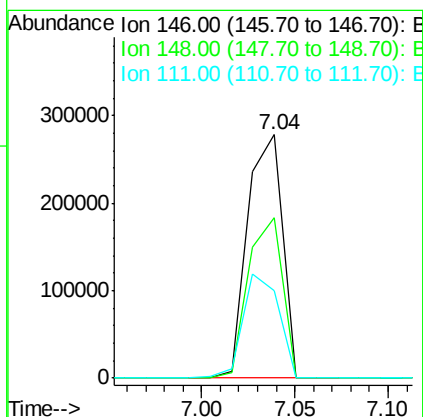
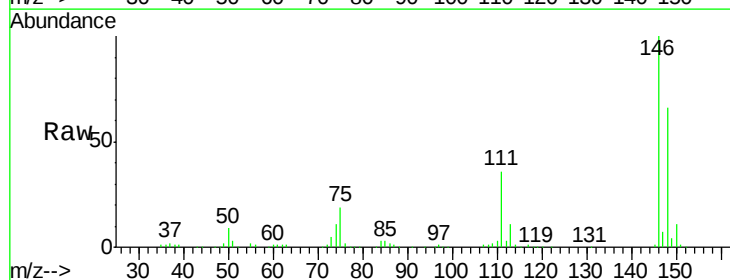
Instrument :
 BNA_F
 ClientSampleId :
 SP16-JMW0991MS

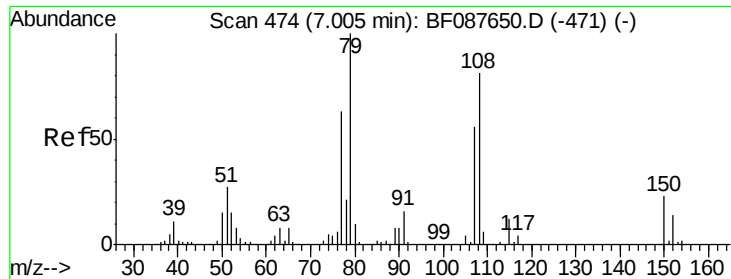
Tgt Ion:146 Resp: 394061
 Ion Ratio Lower Upper
 146 100
 148 64.5 52.0 78.0
 111 41.2 33.8 50.8



#14
 1,2-Dichlorobenzene
 Concen: 33.54 ng
 RT: 7.04 min Scan# 477
 Delta R.T. -0.00 min
 Lab File: BF087711.D
 Acq: 5 Jun 2016 16:50

Tgt Ion:146 Resp: 358790
 Ion Ratio Lower Upper
 146 100
 148 65.9 52.3 78.5
 111 35.8 28.7 43.1





#15

Benzyl Alcohol

Concen: 25.04 ng

RT: 7.00 min Scan# 474

Delta R.T. -0.00 min

Lab File: BF087711.D

Acq: 5 Jun 2016 16:50

Instrument :

BNA_F

ClientSampleId :

SP16-JMW0991MS

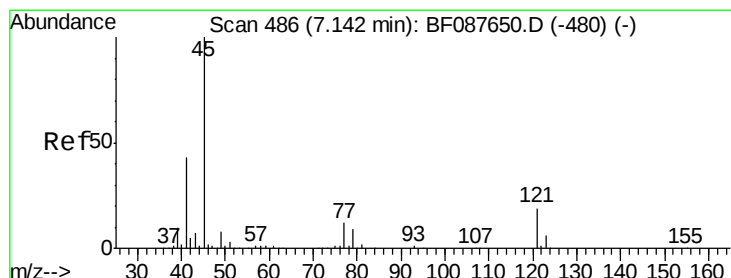
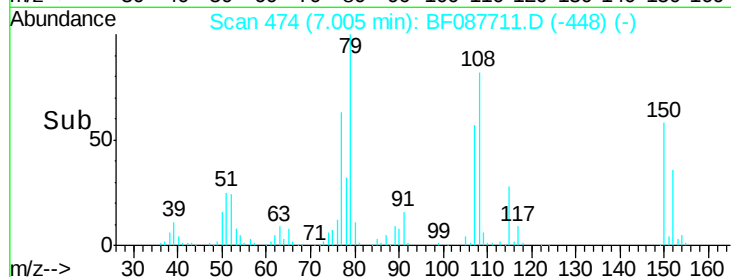
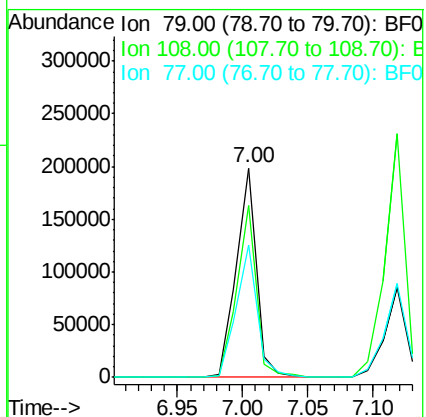
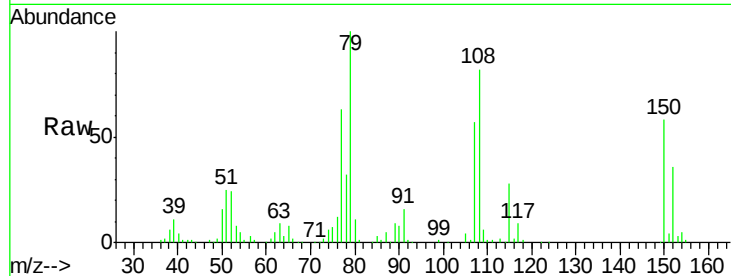
Tgt Ion: 79 Resp: 214136

Ion Ratio Lower Upper

79 100

108 82.2 65.0 97.6

77 62.9 50.3 75.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 35.92 ng

RT: 7.14 min Scan# 486

Delta R.T. -0.00 min

Lab File: BF087711.D

Acq: 5 Jun 2016 16:50

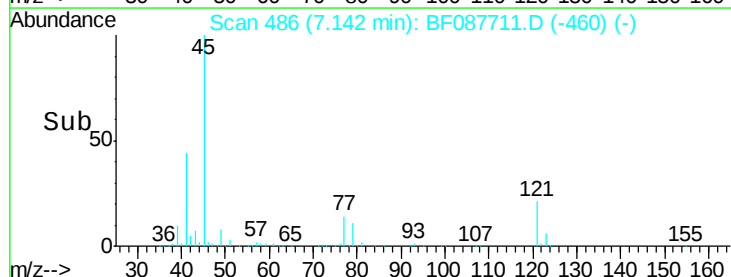
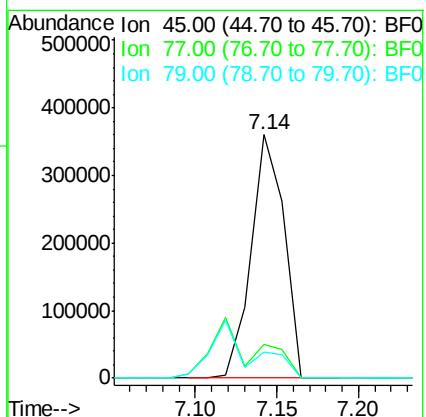
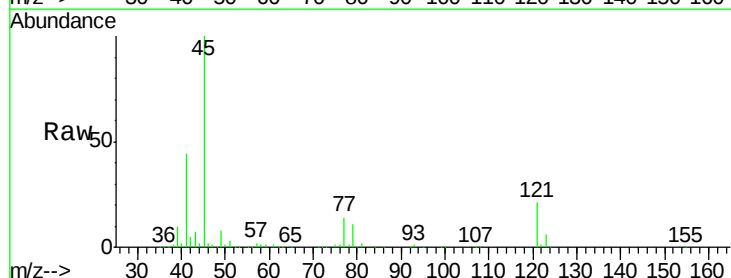
Tgt Ion: 45 Resp: 501604

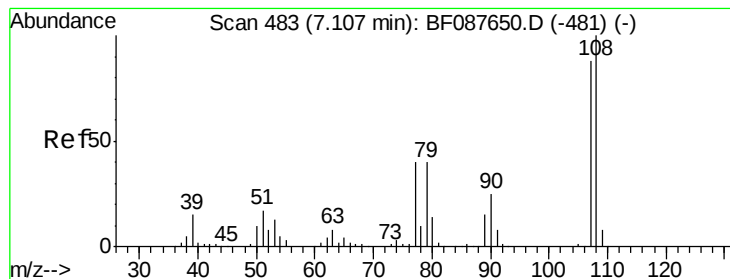
Ion Ratio Lower Upper

45 100

77 13.8 0.0 32.5

79 10.7 0.0 29.5





#17

2-Methylphenol

Concen: 25.82 ng

RT: 7.12 min Scan# 484

Delta R.T. 0.01 min

Lab File: BF087711.D

Acq: 5 Jun 2016 16:50

Instrument :

BNA_F

ClientSampleId :

SP16-JMW0991MS

Tgt Ion:107 Resp: 220197

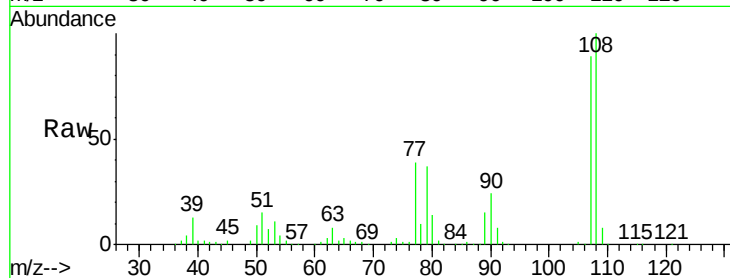
Ion Ratio Lower Upper

107 100

108 112.2 90.9 136.3

77 43.3 36.6 55.0

79 41.7 36.5 54.7

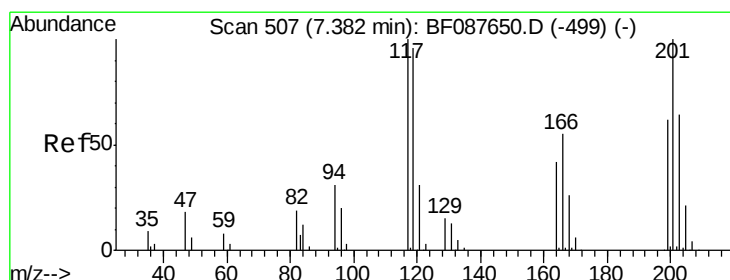
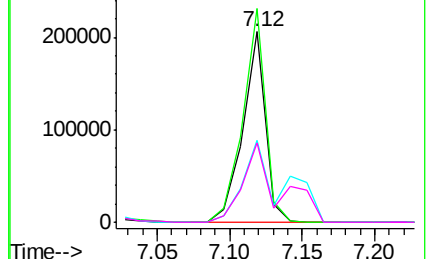
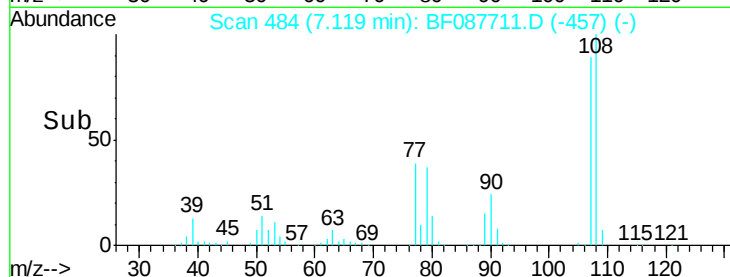


Abundance Ion 107.00 (106.70 to 107.70): E

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



#18

Hexachloroethane

Concen: 35.59 ng

RT: 7.38 min Scan# 507

Delta R.T. -0.00 min

Lab File: BF087711.D

Acq: 5 Jun 2016 16:50

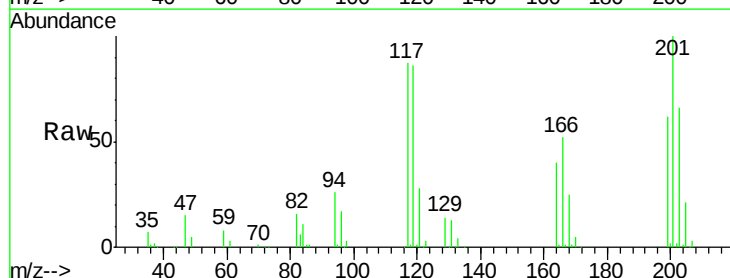
Tgt Ion:117 Resp: 141998

Ion Ratio Lower Upper

117 100

119 98.3 77.4 116.2

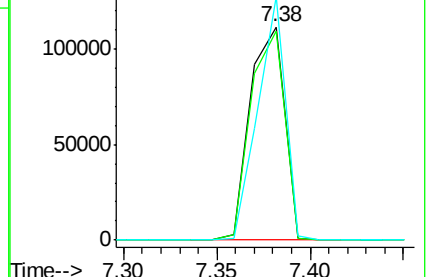
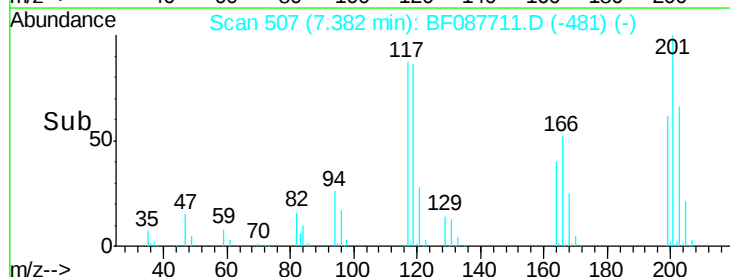
201 114.4 80.4 120.6

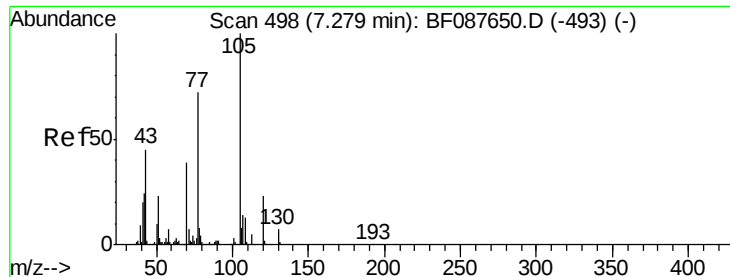


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

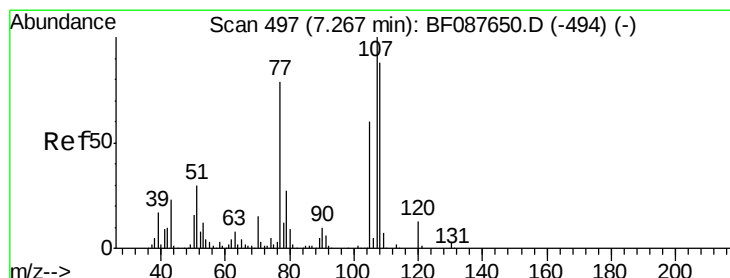
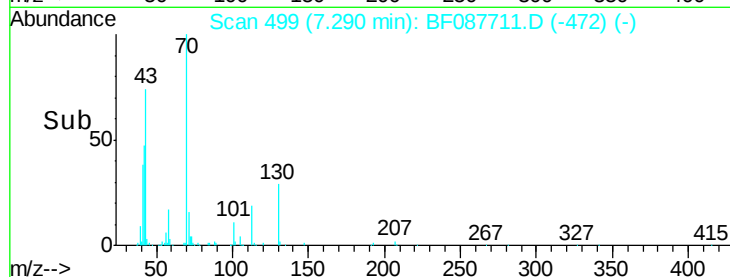
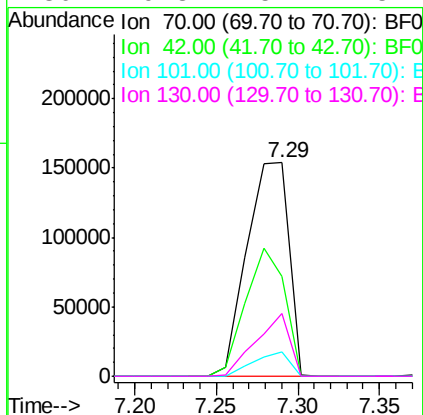
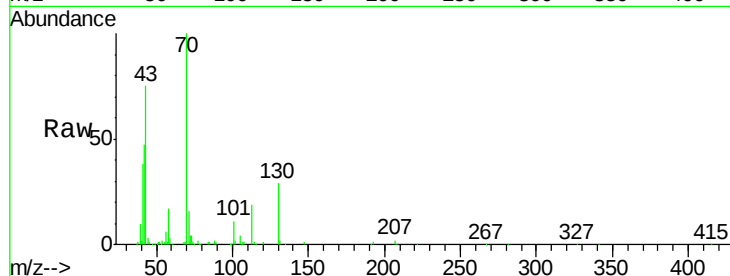




#19
n-Nitroso-di-n-propylamine
Concen: 37.99 ng
RT: 7.29 min Scan# 499
Delta R.T. 0.01 min
Lab File: BF087711.D
Acq: 5 Jun 2016 16:50

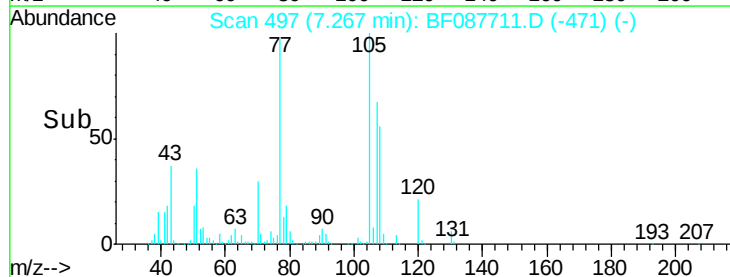
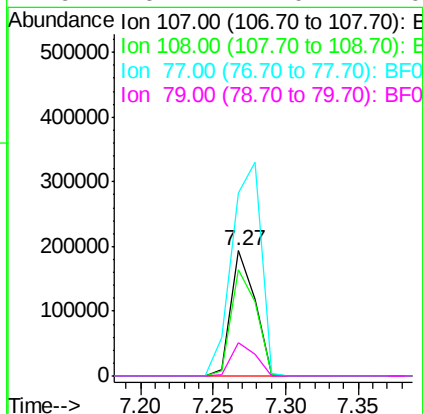
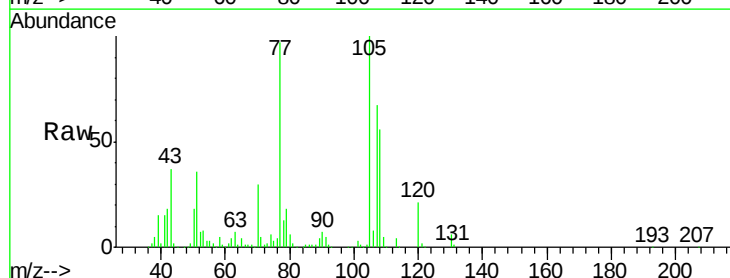
Instrument :
BNA_F
ClientSampleId :
SP16-JMW0991MS

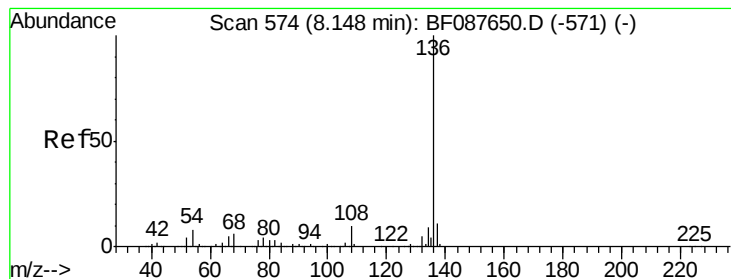
Tgt Ion: 70 Resp: 274639
Ion Ratio Lower Upper
70 100
42 46.8 49.6 74.4#
101 11.1 7.1 10.7#
130 29.3 15.4 23.2#



#20
3+4-Methylphenols
Concen: 21.30 ng
RT: 7.27 min Scan# 497
Delta R.T. -0.00 min
Lab File: BF087711.D
Acq: 5 Jun 2016 16:50

Tgt Ion: 107 Resp: 222568
Ion Ratio Lower Upper
107 100
108 84.3 67.8 107.8
77 145.7 59.3 99.3#
79 26.4 7.0 47.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 574

Delta R.T. -0.00 min

Lab File: BF087711.D

Acq: 5 Jun 2016 16:50

Instrument :

BNA_F

ClientSampleId :

SP16-JMW0991MS

Tgt Ion:136 Resp: 606535

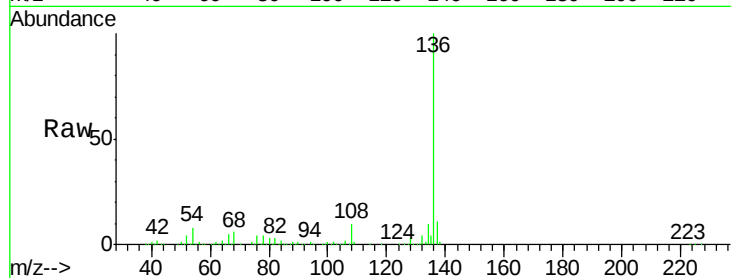
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 8.3 6.6 10.0

68 6.5 5.1 7.7

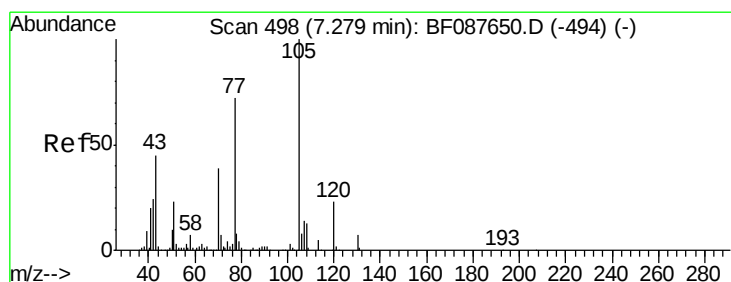
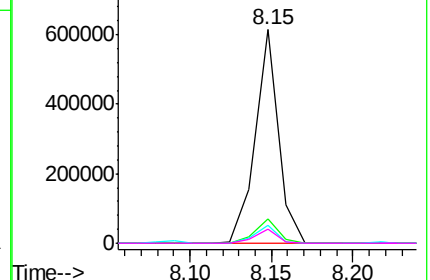
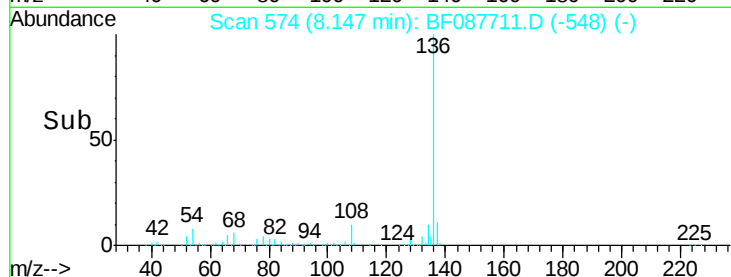


Abundance Ion 136.00 (135.70 to 136.70): E

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: 39.70 ng

RT: 7.28 min Scan# 498

Delta R.T. -0.00 min

Lab File: BF087711.D

Acq: 5 Jun 2016 16:50

Tgt Ion:105 Resp: 545414

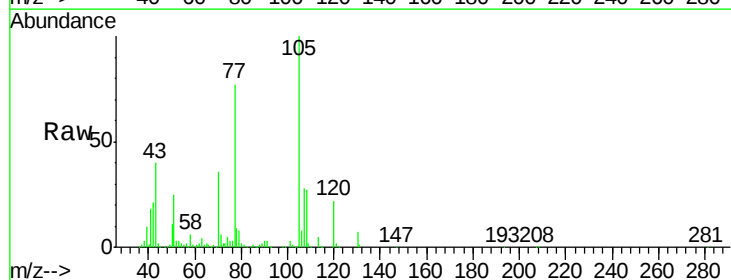
Ion Ratio Lower Upper

105 100

71 6.0 5.3 7.9

51 24.7 18.2 27.4

120 22.4 18.0 27.0



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

