

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081518\
 Data File : BF108159.D
 Acq On : 15 Aug 2018 11:43
 Operator : JU/SJ
 Sample : SSTDC0040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 15 13:32:44 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	225187	20.00	ng	0.01
21) Naphthalene-d8	8.31	136	874192	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	441481	20.00	ng	0.00
63) Phenanthrene-d10	11.57	188	861716	20.00	ng	0.00
75) Chrysene-d12	14.22	240	583020	20.00	ng	0.00
86) Perylene-d12	15.79	264	469275	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.65	112	1023728	82.31	ng	0.02
7) Phenol-d6	6.65	99	1349194	81.63	ng	0.02
23) Nitrobenzene-d5	7.59	82	1286657	82.13	ng	0.01
41) 2,4,6-Tribromophenol	10.87	330	386730	87.82	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	2236901	81.35	ng	0.00
78) Terphenyl-d14	13.15	244	2098058	91.50	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.93	88	251206	39.305	ng	89
3) Pyridine	3.71	79	646980	39.298	ng	87
4) n-Nitrosodimethylamine	3.67	42	350090	37.790	ng	84
6) Aniline	6.69	93	922108	41.014	ng	97
8) 2-Chlorophenol	6.81	128	579005	41.332	ng	99
9) Benzaldehyde	6.58	77	495688	38.681	ng	96
10) Phenol	6.66	94	698570	40.859	ng	91
11) bis(2-Chloroethyl)ether	6.75	93	561709	40.638	ng	92
12) 1,3-Dichlorobenzene	6.97	146	662877	40.924	ng	100
13) 1,4-Dichlorobenzene	7.04	146	661536	40.649	ng	97
14) 1,2-Dichlorobenzene	7.20	146	609726	40.279	ng	97
15) Benzyl Alcohol	7.16	79	562031	40.392	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.29	45	1087282	38.184	ng	97
17) 2-Methylphenol	7.27	107	486120	40.465	ng	95
18) Hexachloroethane	7.54	117	243393	42.009	ng	90
19) n-Nitroso-di-n-propylamine	7.43	70	431525	38.608	ng	# 88
20) 3+4-Methylphenols	7.42	107	608107	39.501	ng	90
22) Acetophenone	7.43	105	809881	39.621	ng	# 92
24) Nitrobenzene	7.61	77	645894	40.772	ng	96
25) Isophorone	7.84	82	1181040	39.552	ng	96
26) 2-Nitrophenol	7.92	139	282038	47.143	ng	91
27) 2,4-Dimethylphenol	7.95	122	530436	40.024	ng	98
28) bis(2-Chloroethoxy)methane	8.04	93	700606	40.191	ng	99
29) 2,4-Dichlorophenol	8.16	162	503482	41.282	ng	98
30) 1,2,4-Trichlorobenzene	8.25	180	546285	40.626	ng	96
31) Naphthalene	8.33	128	1605704	40.389	ng	98
32) Benzoic acid	8.07	122	262678	35.879	ng	94
33) 4-Chloroaniline	8.37	127	700511	40.432	ng	96
34) Hexachlorobutadiene	8.44	225	345187	40.551	ng	99
35) Caprolactam	8.76	113	169810m	44.430	ng	
36) 4-Chloro-3-methylphenol	8.85	107	524787	39.887	ng	97
37) 2-Methylnaphthalene	9.02	142	1122656	39.912	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.18	216	565933	41.743	ng	98
40) Hexachlorocyclopentadiene	9.17	237	349051	39.860	ng	100

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 Misc :
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Instrument :
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.29	196	371164	44.118	ng	98
43) 2,4,5-Trichlorophenol	9.34	196	405085	43.740	ng	95
45) 1,1'-Biphenyl	9.48	154	1340775	41.191	ng	99
46) 2-Chloronaphthalene	9.51	162	1060911	41.238	ng	99
47) 2-Nitroaniline	9.61	65	362619	43.562	ng	86
48) Acenaphthylene	9.94	152	1674304	41.166	ng	98
49) Dimethylphthalate	9.78	163	1235762	40.184	ng	# 99
50) 2,6-Dinitrotoluene	9.85	165	280125	43.538	ng	91
51) Acenaphthene	10.11	154	1021988	41.025	ng	99
52) 3-Nitroaniline	10.02	138	298866	42.454	ng	96
53) 2,4-Dinitrophenol	10.12	184	103280	46.149	ng	# 19
54) Dibenzofuran	10.28	168	1452427	40.243	ng	95
55) 4-Nitrophenol	10.17	139	226687	42.524	ng	85
56) 2,4-Dinitrotoluene	10.25	165	364991	44.071	ng	# 91
57) Fluorene	10.62	166	1156276	40.471	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.39	232	334659	43.233	ng	# 85
59) Diethylphthalate	10.48	149	1177013	39.525	ng	94
60) 4-Chlorophenyl-phenylether	10.61	204	594764	39.951	ng	94
61) 4-Nitroaniline	10.64	138	297913	42.804	ng	93
62) Azobenzene	10.77	77	1214054	39.477	ng	92
64) 4,6-Dinitro-2-methylphenol	10.67	198	141970	44.343	ng	94
65) n-Nitrosodiphenylamine	10.73	169	1047916	41.152	ng	96
66) 4-Bromophenyl-phenylether	11.10	248	386155	41.236	ng	# 88
67) Hexachlorobenzene	11.17	284	404791	41.083	ng	# 89
68) Atrazine	11.25	200	353363	41.373	ng	94
69) Pentachlorophenol	11.37	266	189680	40.220	ng	97
70) Phenanthrene	11.59	178	1665146	40.969	ng	98
71) Anthracene	11.65	178	1707955	41.000	ng	98
72) Carbazole	11.80	167	1504765	40.657	ng	99
73) Di-n-butylphthalate	12.11	149	1740964	41.528	ng	99
74) Fluoranthene	12.79	202	1749805	39.447	ng	95
76) Benzidine	12.91	184	1025911	47.097	ng	99
77) Pyrene	13.02	202	1730321	46.878	ng	98
79) Butylbenzylphthalate	13.62	149	678443	46.288	ng	94
80) Benzo(a)anthracene	14.21	228	1380184	41.250	ng	98
81) 3,3'-Dichlorobenzidine	14.17	252	494527	41.242	ng	# 97
82) Chrysene	14.25	228	1254408	40.893	ng	99
83) Bis(2-ethylhexyl)phthalate	14.17	149	797846	40.198	ng	99
84) Di-n-octyl phthalate	14.80	149	1210735	39.998	ng	96
85) Indeno(1,2,3-cd)pyrene	17.42	276	1175447	44.225	ng	# 91
87) Benzo(b)fluoranthene	15.32	252	1098498	39.175	ng	96
88) Benzo(k)fluoranthene	15.35	252	1068715	41.461	ng	# 96
89) Benzo(a)pyrene	15.72	252	1038306	41.350	ng	# 96
90) Dibenzo(a,h)anthracene	17.44	278	961561	46.282	ng	# 94
91) Benzo(g,h,i)perylene	17.92	276	990865	48.434	ng	# 90

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

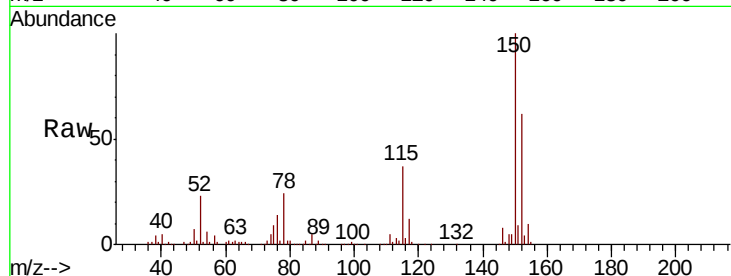


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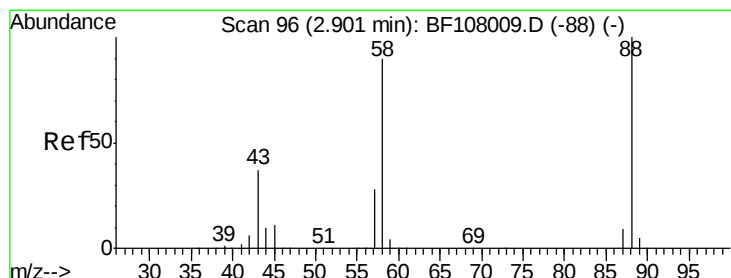
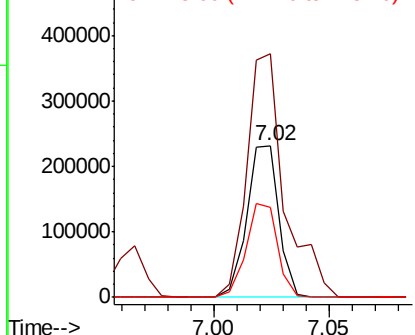
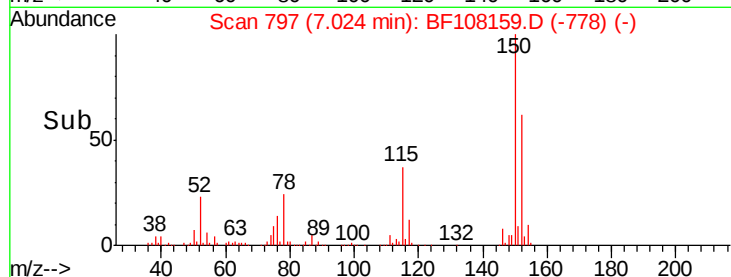
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 797
Delta R.T. 0.01 min
Lab File: BF108159.D
Acq: 15 Aug 2018 11:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.2	124.6	186.8
115	59.3	50.1	75.1



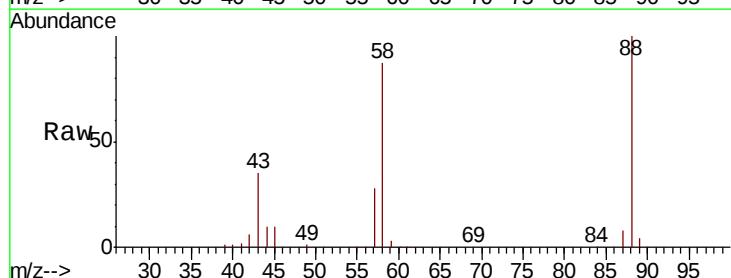
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



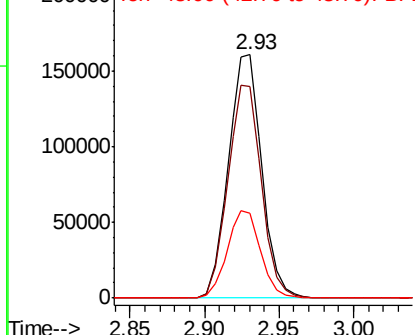
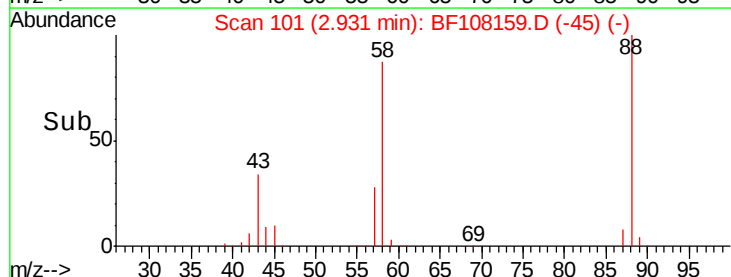
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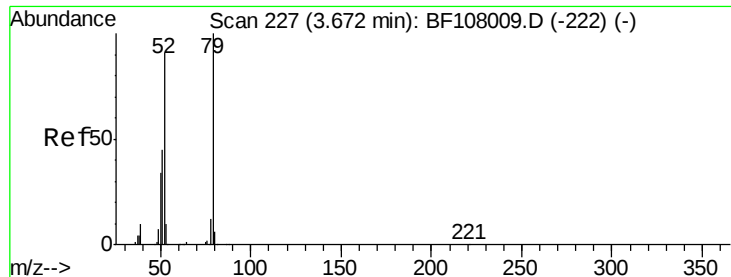
1,4-Dioxane
Concen: 39.305 ng
RT: 2.93 min Scan# 101
Delta R.T. 0.03 min
Lab File: BF108159.D
Acq: 15 Aug 2018 11:43

Tgt Ion	Ratio	Lower	Upper
88	100		
58	88.1	62.6	93.8
43	36.0	24.6	37.0



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1

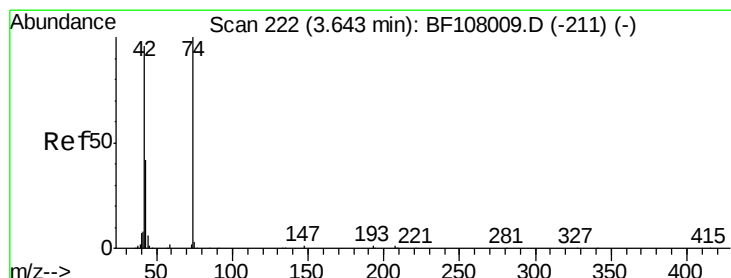
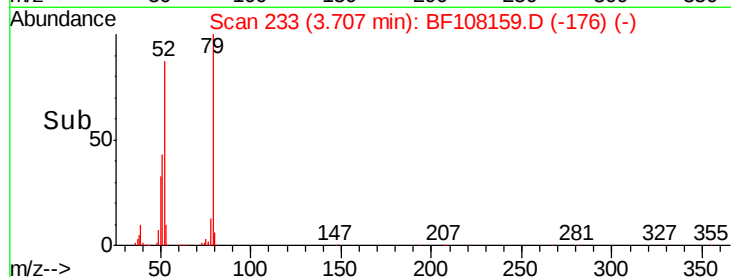
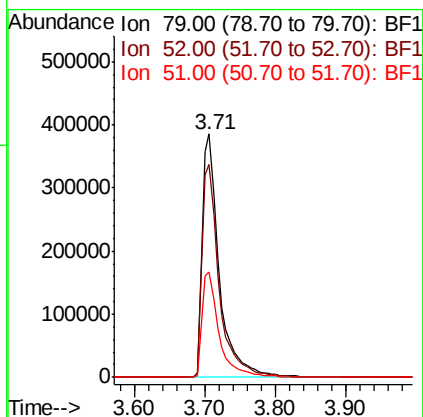
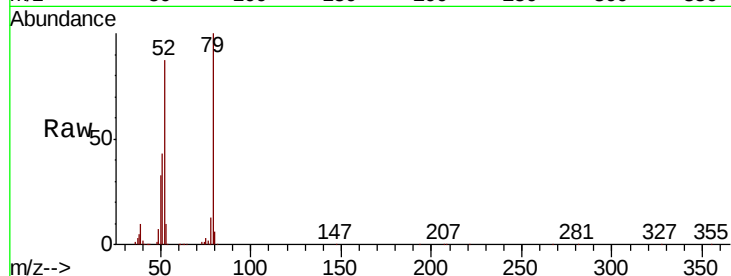




#3
 Pvridine
 Concen: 39.298 ng
 RT: 3.71 min Scan# 233
 Delta R.T. 0.04 min
 Lab File: BF108159.D
 Acq: 15 Aug 2018 11:43

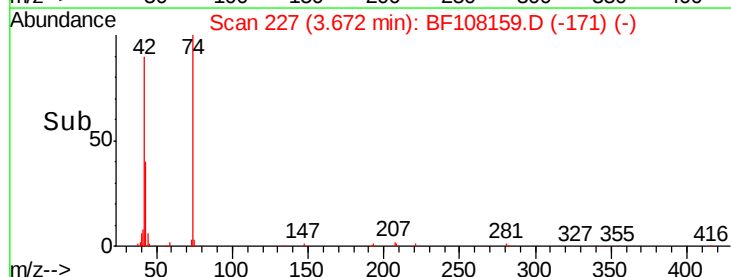
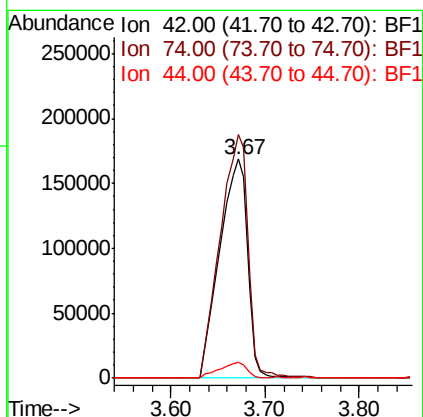
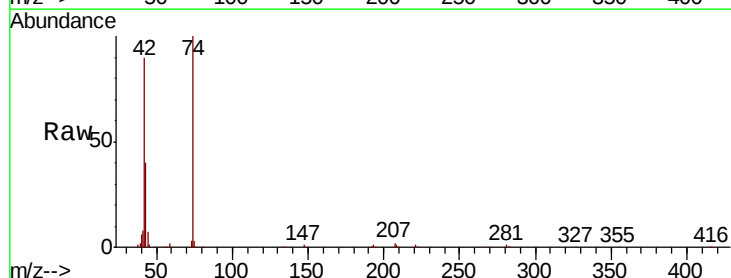
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 79 Resp: 646980
 Ion Ratio Lower Upper
 79 100
 52 87.3 59.8 89.6
 51 43.4 29.8 44.8



#4
 n-Nitrosodimethylamine
 Concen: 37.790 ng
 RT: 3.67 min Scan# 227
 Delta R.T. 0.03 min
 Lab File: BF108159.D
 Acq: 15 Aug 2018 11:43

Tgt Ion: 42 Resp: 350090
 Ion Ratio Lower Upper
 42 100
 74 111.2 104.9 157.3
 44 7.3 6.9 10.3





#5

2-Fluorophenol

Concen: 82.306 ng

RT: 5.65 min Scan# 563

Delta R.T. 0.02 min

Lab File: BF108159.D

Acq: 15 Aug 2018 11:43

Instrument :

BNA_F

ClientSampleId :

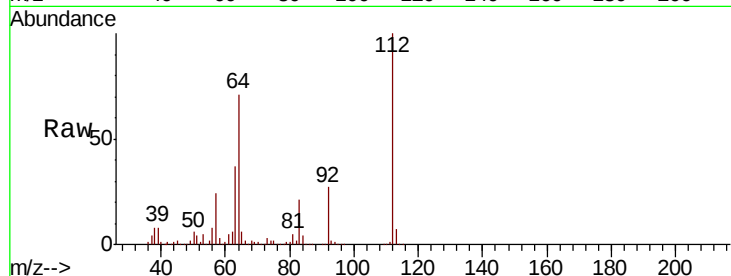
Tot Ion:112 Resp: 1023728

Ion Ratio Lower Upper

112 100

64 70.6 47.9 71.9

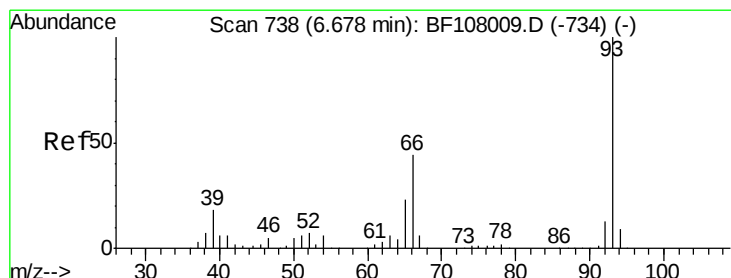
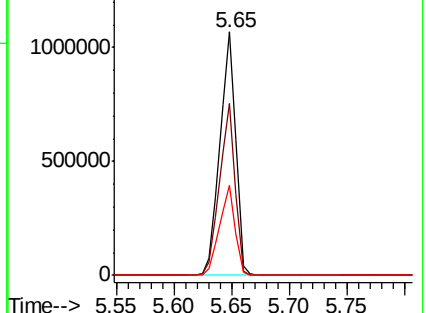
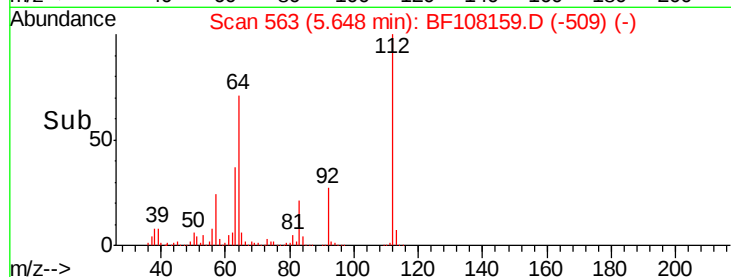
63 36.9 23.7 35.5#



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 41.014 ng

RT: 6.69 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF108159.D

Acq: 15 Aug 2018 11:43

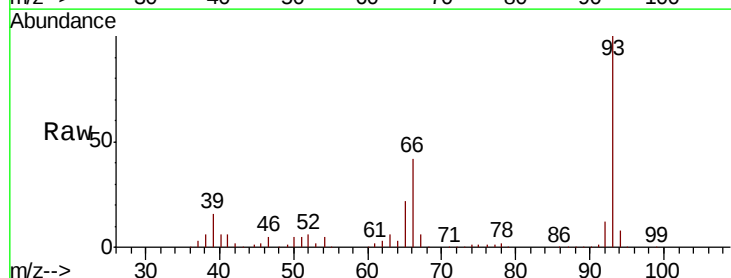
Tgt Ion: 93 Resp: 922108

Ion Ratio Lower Upper

93 100

66 42.2 32.2 48.2

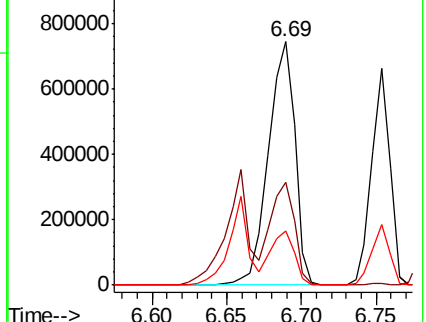
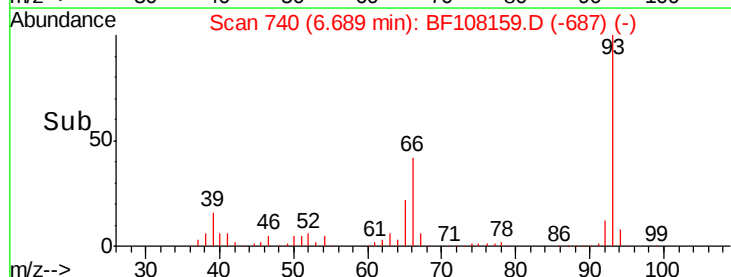
65 22.1 16.4 24.6

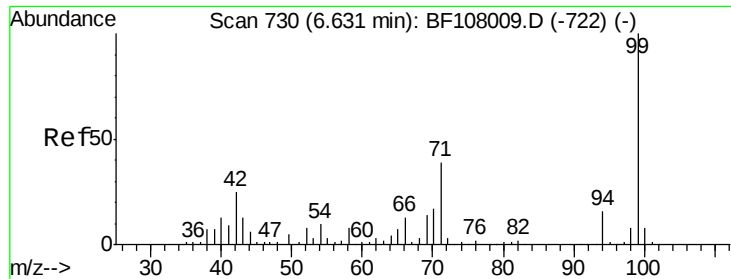


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 81.628 ng

RT: 6.65 min Scan# 733

Delta R.T. 0.02 min

Lab File: BF108159.D

Acq: 15 Aug 2018 11:43

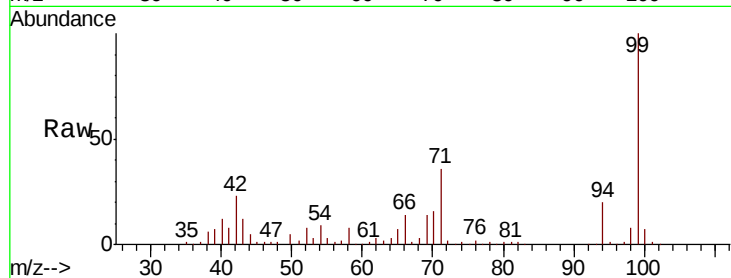
Instrument :

BNA_F

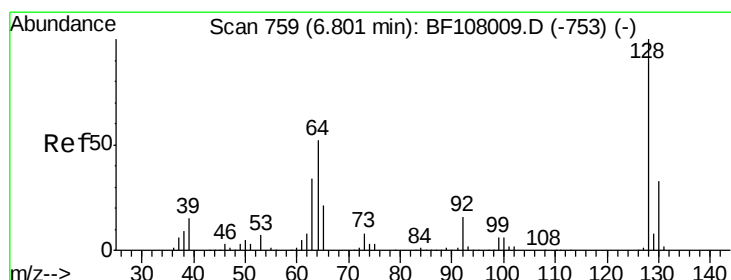
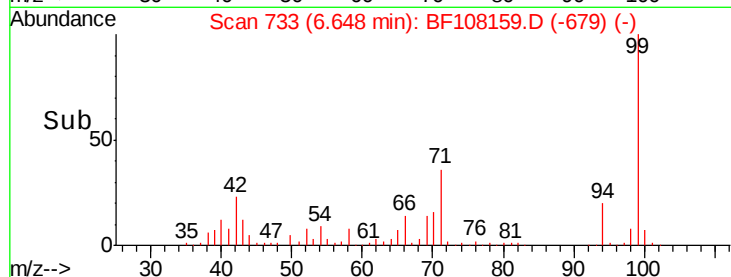
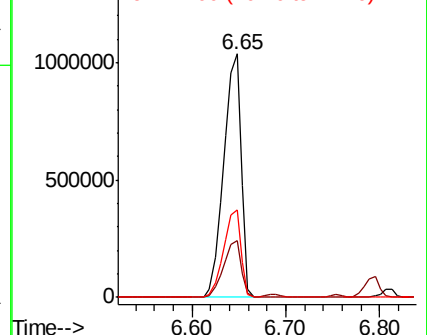
ClientSampleId :

Tot Ion: 99 Resp: 1349194

Ion	Ratio	Lower	Upper
99	100		
42	23.1	14.5	21.7#
71	36.1	25.4	38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 41.332 ng

RT: 6.81 min Scan# 761

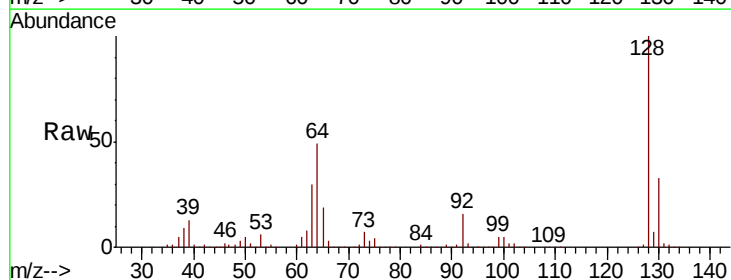
Delta R.T. 0.01 min

Lab File: BF108159.D

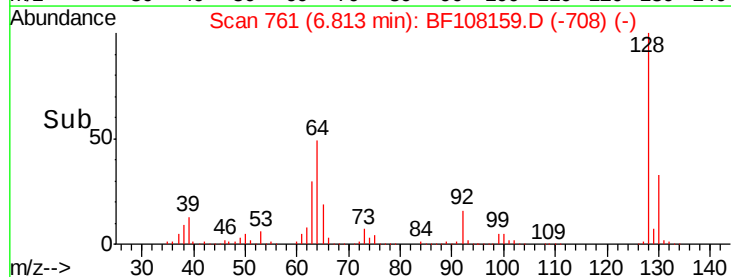
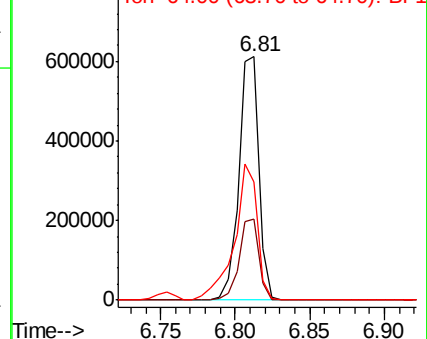
Acq: 15 Aug 2018 11:43

Tgt Ion: 128 Resp: 579005

Ion	Ratio	Lower	Upper
128	100		
130	33.3	13.0	53.0
64	48.6	29.4	69.4



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): BF1





#9

Benzaldehyde

Concen: 38.681 ng

RT: 6.58 min Scan# 721

Delta R.T. 0.01 min

Lab File: BF108159.D

Acq: 15 Aug 2018 11:43

Instrument :

BNA_F

ClientSampleId :

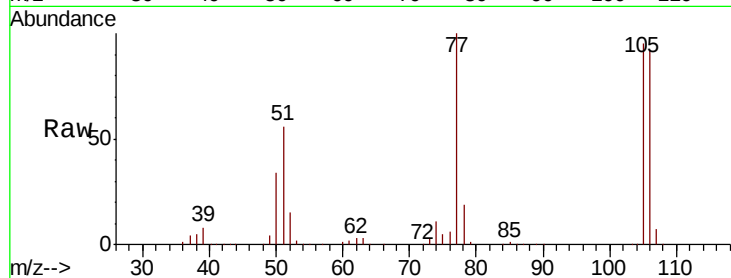
Tot Ion: 77 Resp: 495688

Ion Ratio Lower Upper

77 100

105 95.2 81.1 121.1

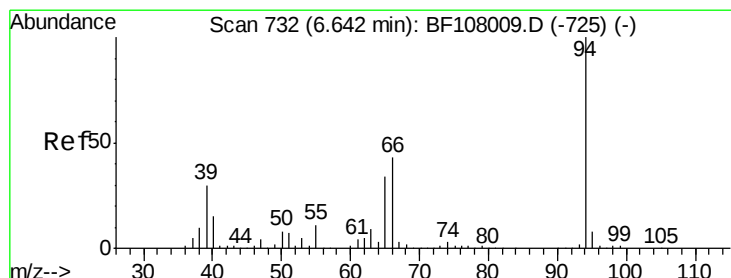
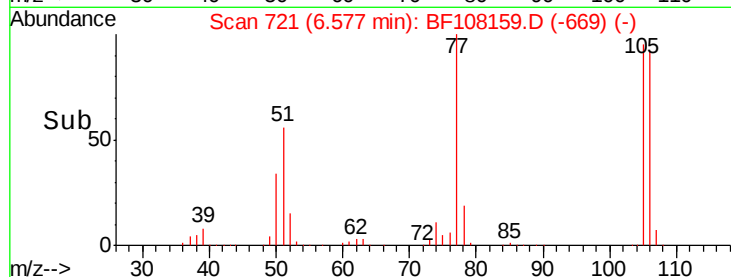
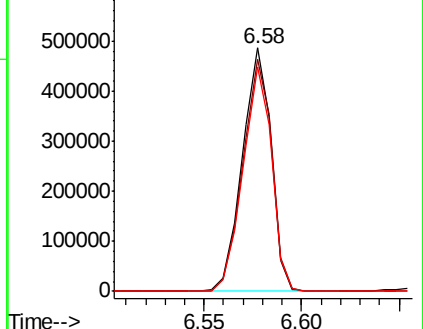
106 92.2 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 40.859 ng

RT: 6.66 min Scan# 735

Delta R.T. 0.02 min

Lab File: BF108159.D

Acq: 15 Aug 2018 11:43

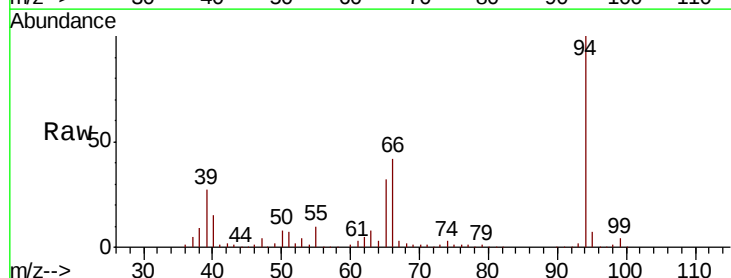
Tgt Ion: 94 Resp: 698570

Ion Ratio Lower Upper

94 100

65 32.3 7.9 47.9

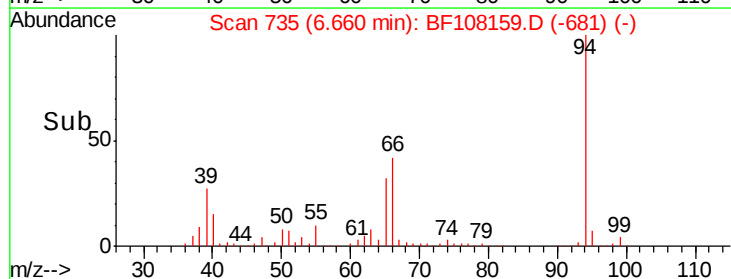
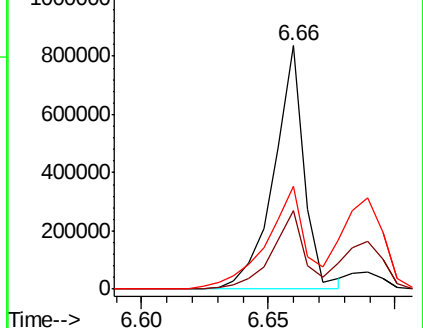
66 42.1 16.2 56.2

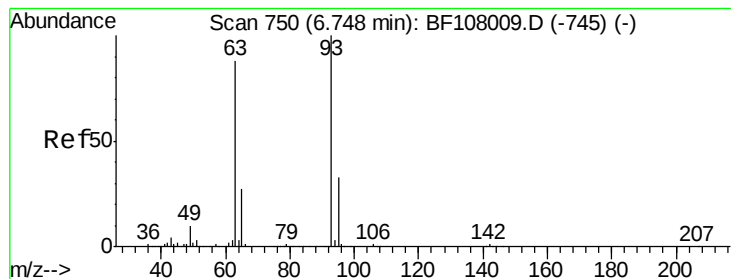


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 40.638 ng

RT: 6.75 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF108159.D

Acq: 15 Aug 2018 11:43

Instrument :

BNA_F

ClientSampleId :

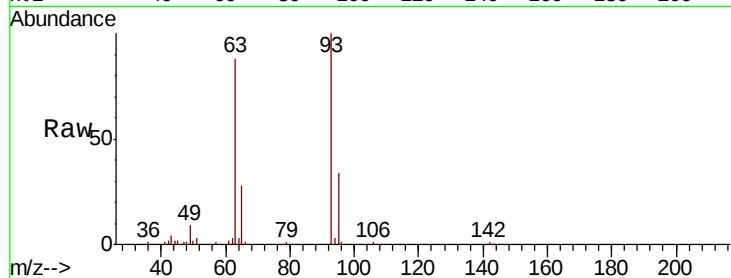
Tot Ion: 93 Resp: 561709

Ion Ratio Lower Upper

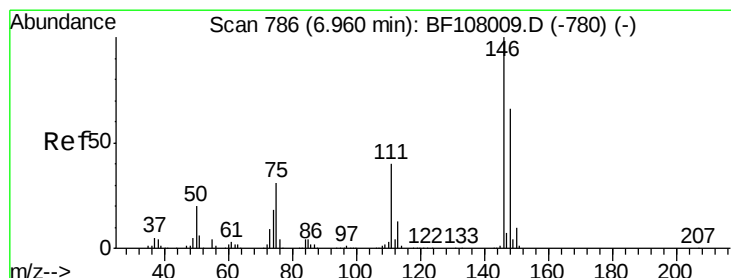
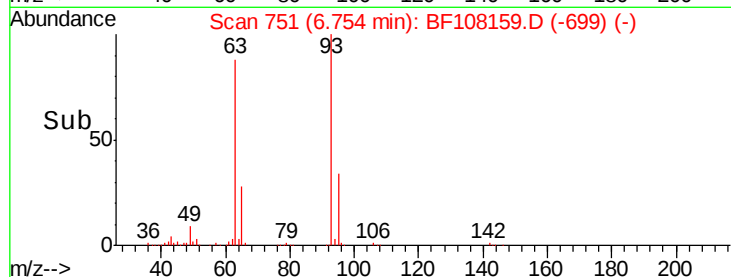
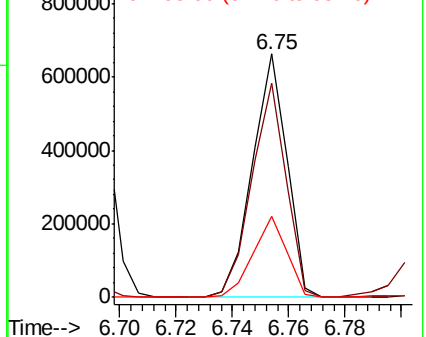
93 100

63 87.8 58.6 98.6

95 33.6 11.8 51.8



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 40.924 ng

RT: 6.97 min Scan# 787

Delta R.T. 0.01 min

Lab File: BF108159.D

Acq: 15 Aug 2018 11:43

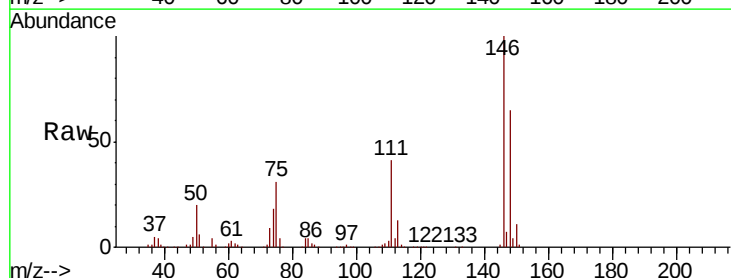
Tgt Ion: 146 Resp: 662877

Ion Ratio Lower Upper

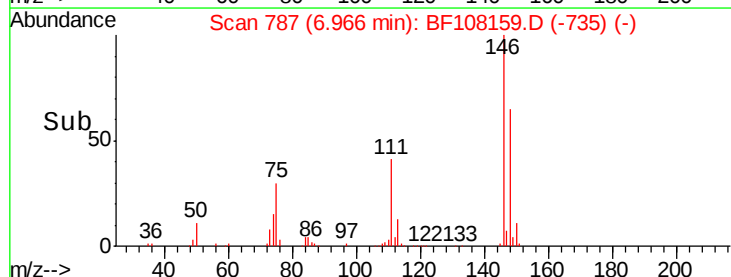
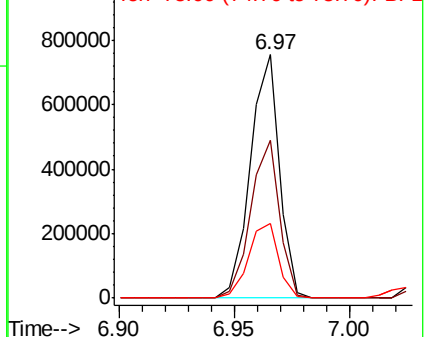
146 100

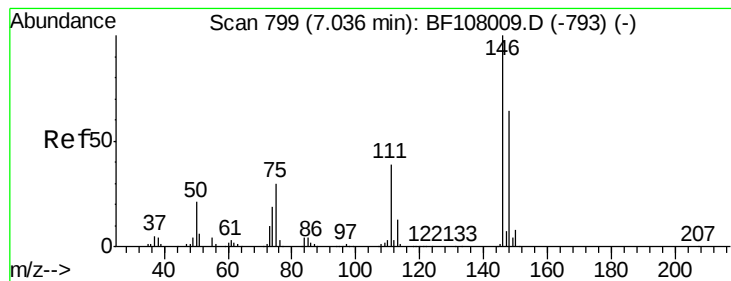
148 64.7 51.8 77.8

75 30.9 24.2 36.4



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1





#13

1,4-Dichlorobenzene

Concen: 40.649 ng

RT: 7.04 min Scan# 800

Delta R.T. 0.01 min

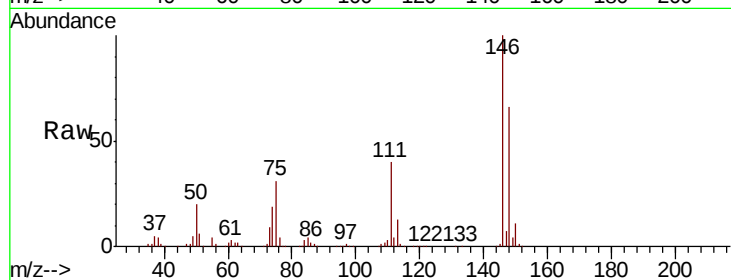
Lab File: BF108159.D

Acq: 15 Aug 2018 11:43

Instrument :

BNA_F

ClientSampleId :



Tot Ion:146 Resp: 661536

Ion Ratio Lower Upper

146 100

148 65.6 50.8 76.2

111 40.1 34.2 51.2

