

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110816\
 Data File : BF091098.D
 Acq On : 8 Nov 2016 22:39
 Operator : UM/SJ
 Sample : H5537-08MS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 V001-BF014-01MS

Quant Time: Nov 09 00:46:24 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 12:59:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	194490	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	815738	20.00	ng	0.00
38) Acenaphthene-d10	9.70	164	401233	20.00	ng	0.00
63) Phenanthrene-d10	11.18	188	578637	20.00	ng	0.01
75) Chrysene-d12	13.81	240	412019	20.00	ng	0.00
86) Perylene-d12	15.19	264	356116	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	1617372	137.34	ng	0.02
7) Phenol-d6	6.33	99	1978248	123.76	ng	0.01
23) Nitrobenzene-d5	7.24	82	1477242	98.79	ng	0.00
41) 2,4,6-Tribromophenol	10.50	330	540608	149.03	ng	0.01
44) 2-Fluorobiphenyl	9.04	172	2296235	98.53	ng	0.00
78) Terphenyl-d14	12.76	244	1569427	95.05	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.19	88	211006	31.32	ng	98
3) Pyridine	2.84	79	645519	40.96	ng	95
4) n-Nitrosodimethylamine	2.81	42	257973	41.38	ng	95
6) Aniline	6.33	93	487821	25.87	ng	# 82
8) 2-Chlorophenol	6.45	128	616208	43.87	ng	91
9) Benzaldehyde	6.21	77	70829	7.98	ng	88
10) Phenol	6.34	94	782024	44.21	ng	# 69
11) bis(2-Chloroethyl)ether	6.41	93	555836	37.29	ng	95
12) 1,3-Dichlorobenzene	6.60	146	615156	43.30	ng	97
13) 1,4-Dichlorobenzene	6.68	146	647293	42.46	ng	98
14) 1,2-Dichlorobenzene	6.83	146	566453	40.49	ng	96
15) Benzyl Alcohol	6.82	79	443224	39.31	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.96	45	814978	38.18	ng	88
17) 2-Methylphenol	6.94	107	498187	44.80	ng	96
18) Hexachloroethane	7.17	117	247910	42.02	ng	95
19) n-Nitroso-di-n-propylamine	7.09	70	453462	40.94	ng	98
20) 3+4-Methylphenols	7.10	107	660665	49.48	ng	96
22) Acetophenone	7.08	105	865792	46.10	ng	# 96
24) Nitrobenzene	7.25	77	637125	38.58	ng	92
25) Isophorone	7.49	82	1259697	43.72	ng	97
26) 2-Nitrophenol	7.57	139	339703	48.61	ng	# 80
27) 2,4-Dimethylphenol	7.63	122	556000	48.10	ng	98
28) bis(2-Chloroethoxy)methane	7.71	93	722049	45.87	ng	99
29) 2,4-Dichlorophenol	7.82	162	478700	47.45	ng	94
30) 1,2,4-Trichlorobenzene	7.89	180	496800	43.80	ng	97
31) Naphthalene	7.97	128	1665635	42.70	ng	99
32) Benzoic acid	7.74	122	95085	14.50	ng	98
33) 4-Chloroaniline	8.03	127	250699	15.45	ng	# 92
34) Hexachlorobutadiene	8.10	225	268134	43.80	ng	97
35) Caprolactam	8.41	113	100743	31.79	ng	99
36) 4-Chloro-3-methylphenol	8.53	107	505356	41.38	ng	89
37) 2-Methylnaphthalene	8.67	142	1065359	42.48	ng	96
39) 1,2,4,5-Tetrachlorobenzene	8.83	216	466933	45.64	ng	99
40) Hexachlorocyclopentadiene	8.82	237	273051	69.78	ng	99

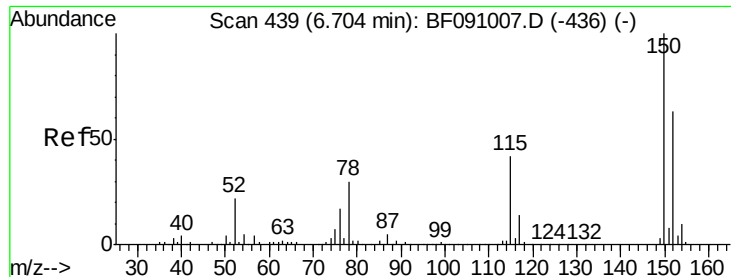
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110816\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.96	196	315863	47.83	ng	97
43) 2,4,5-Trichlorophenol	9.00	196	350202	50.51	ng	98
45) 1,1'-Biphenyl	9.13	154	1209595	41.29	ng	99
46) 2-Chloronaphthalene	9.15	162	975519	43.86	ng	98
47) 2-Nitroaniline	9.25	65	340839	41.29	ng	87
48) Acenaphthylene	9.56	152	1377436	39.74	ng	99
49) Dimethylphthalate	9.44	163	1573285	59.80	ng	100
50) 2,6-Dinitrotoluene	9.50	165	291801	51.75	ng	# 67
51) Acenaphthene	9.73	154	876257	40.26	ng	99
52) 3-Nitroaniline	9.66	138	183167	27.39	ng	88
53) 2,4-Dinitrophenol	9.78	184	143929	49.46	ng	# 72
54) Dibenzofuran	9.90	168	1223611	41.77	ng	99
55) 4-Nitrophenol	9.86	139	331461	74.84	ng	# 79
56) 2,4-Dinitrotoluene	9.90	165	312161	43.51	ng	# 77
57) Fluorene	10.25	166	964391	40.27	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.00	232	220855	40.66	ng	92
59) Diethylphthalate	10.13	149	1112007	41.22	ng	97
60) 4-Chlorophenyl-phenylether	10.25	204	502945	46.15	ng	98
61) 4-Nitroaniline	10.28	138	242003	35.78	ng	91
62) Azobenzene	10.41	77	1385221	43.62	ng	99
64) 4,6-Dinitro-2-methylphenol	10.32	198	146909	41.46	ng	# 64
65) n-Nitrosodiphenylamine	10.36	169	906012	49.26	ng	99
66) 4-Bromophenyl-phenylether	10.73	248	279963	46.52	ng	95
67) Hexachlorobenzene	10.80	284	331575	49.95	ng	98
68) Atrazine	10.90	200	243179	45.83	ng	96
69) Pentachlorophenol	11.00	266	269274	91.59	ng	98
70) Phenanthrene	11.21	178	1649714	53.63	ng	99
71) Anthracene	11.25	178	1391229	42.54	ng	99
72) Carbazole	11.41	167	1180348	40.05	ng	99
73) Di-n-butylphthalate	11.76	149	1819430	49.09	ng	99
74) Fluoranthene	12.39	202	1391150	43.61	ng	98
76) Benzidine	12.52	184	354609	38.52	ng	97
77) Pyrene	12.61	202	1439534	53.35	ng	100
79) Butylbenzylphthalate	13.24	149	640515	49.63	ng	92
80) Benzo(a)anthracene	13.80	228	1108042	47.37	ng	100
81) 3,3'-Dichlorobenzidine	13.77	252	251914	30.65	ng	# 97
82) Chrysene	13.84	228	1060522	45.98	ng	97
83) Bis(2-ethylhexyl)phthalate	13.80	149	795925	45.57	ng	# 98
84) Di-n-octyl phthalate	14.42	149	1352517	47.10	ng	97
85) Indeno(1,2,3-cd)pyrene	16.48	276	991474	51.80	ng	98
87) Benzo(b)fluoranthene	14.81	252	2067464	85.60	ng	98
88) Benzo(k)fluoranthene	14.81	252	2067464	97.58	ng	97
89) Benzo(a)pyrene	15.13	252	1000751	47.59	ng	# 95
90) Dibenzo(a,h)anthracene	16.49	278	822091	45.23	ng	99
91) Benzo(g,h,i)perylene	16.87	276	771888	46.96	ng	95

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 435

Delta R.T. 0.00 min

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V001-BF014-01MS

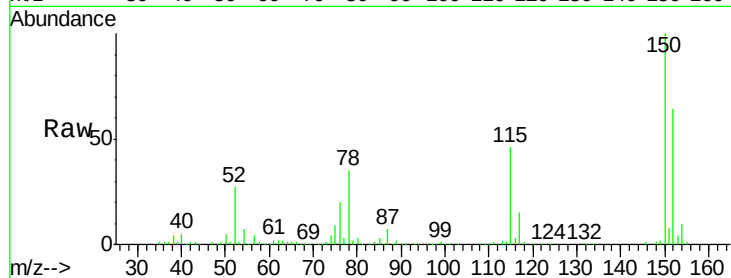
Tgt Ion:152 Resp: 194490

Ion Ratio Lower Upper

152 100

150 157.3 126.8 190.2

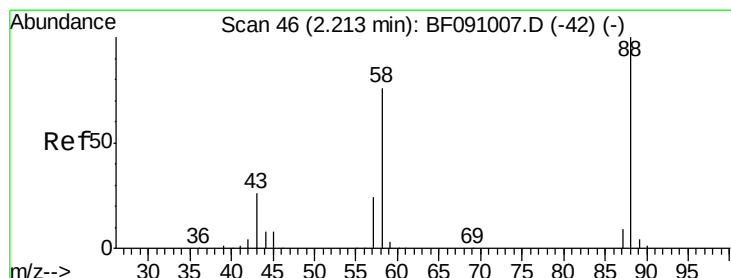
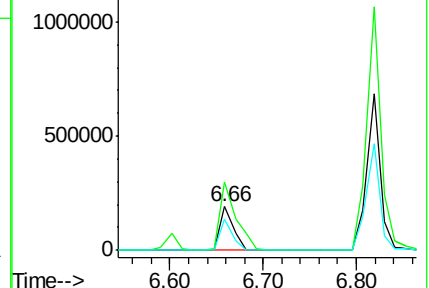
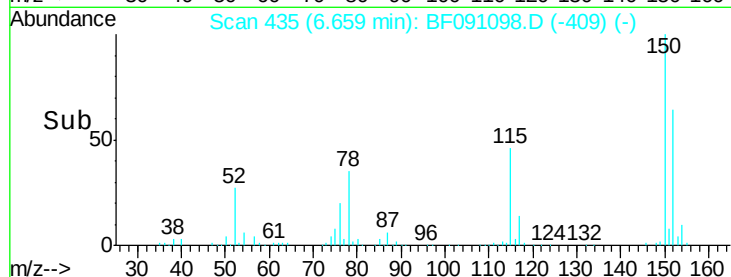
115 71.6 53.3 79.9



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: 31.32 ng

RT: 2.19 min Scan# 44

Delta R.T. 0.05 min

Lab File: BF091098.D

Acq: 8 Nov 2016 22:39

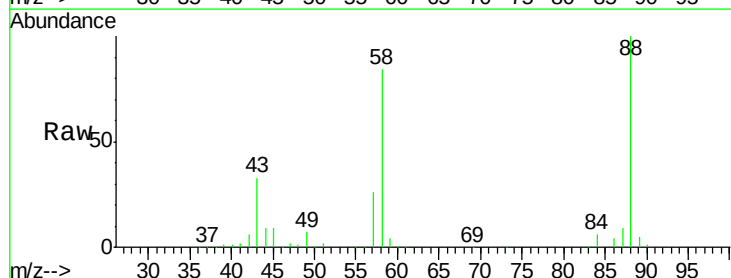
Tgt Ion: 88 Resp: 211006

Ion Ratio Lower Upper

88 100

58 80.3 63.8 95.6

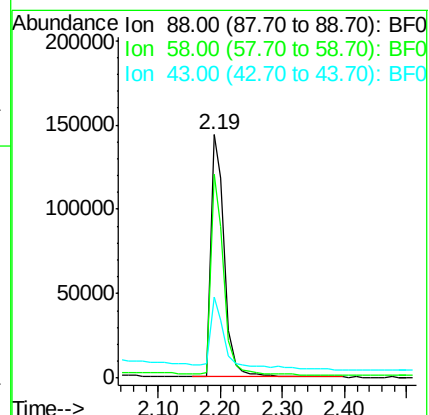
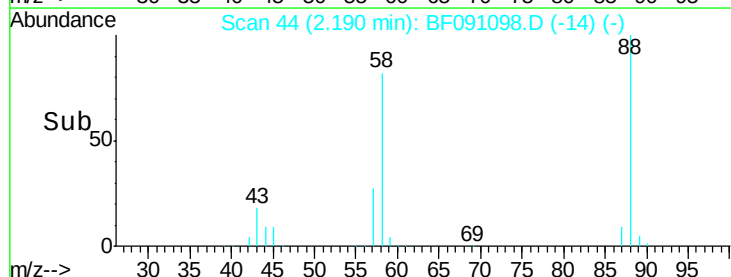
43 31.1 22.6 33.8

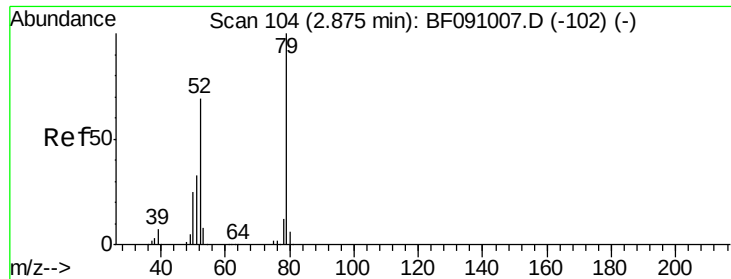


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 40.96 ng

RT: 2.84 min Scan# 101

Delta R.T. 0.06 min

Lab File: BF091098.D

Acq: 8 Nov 2016 22:39

Instrument :

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ClientSampleId :

V001-BF014-01MS

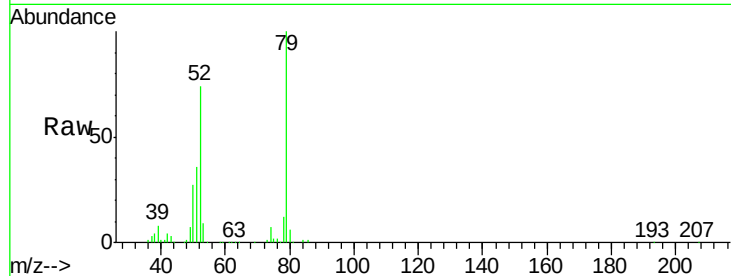
Tgt Ion: 79 Resp: 645519

Ion Ratio Lower Upper

79 100

52 73.8 55.4 83.0

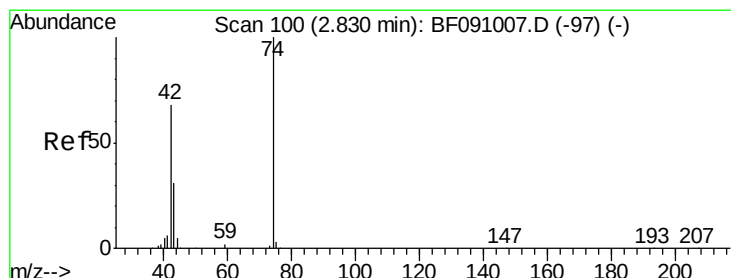
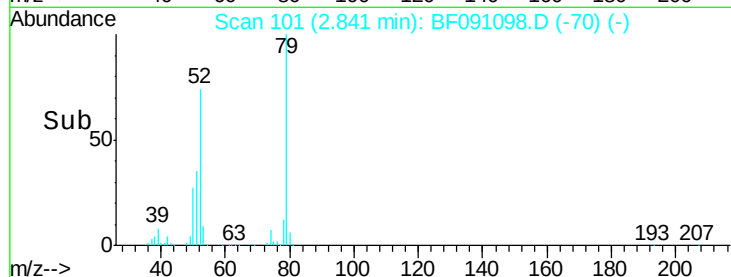
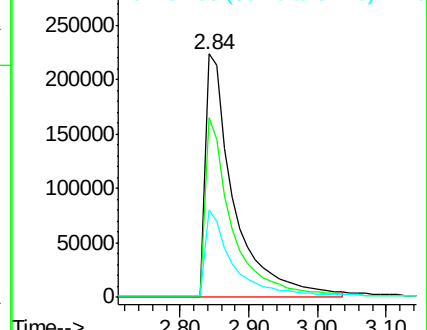
51 36.2 27.4 41.0



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 41.38 ng

RT: 2.81 min Scan# 98

Delta R.T. 0.06 min

Lab File: BF091098.D

Acq: 8 Nov 2016 22:39

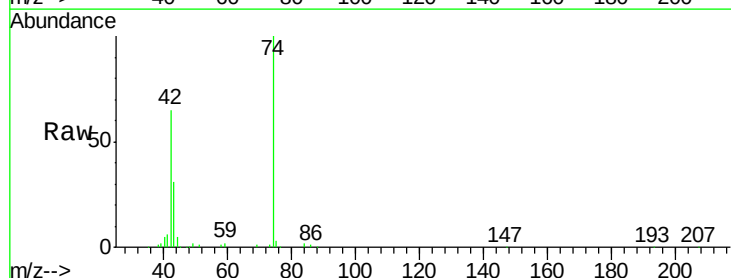
Tgt Ion: 42 Resp: 257973

Ion Ratio Lower Upper

42 100

74 153.3 117.3 175.9

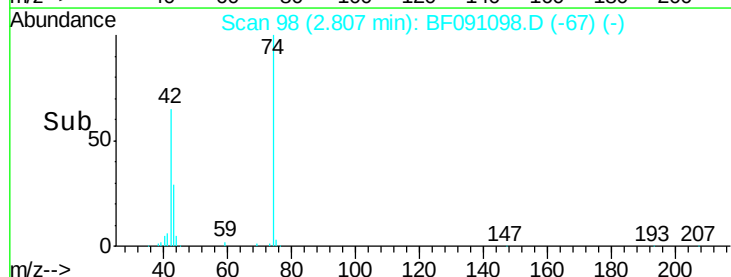
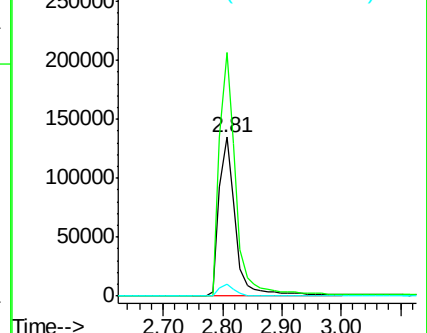
44 7.2 5.8 8.8

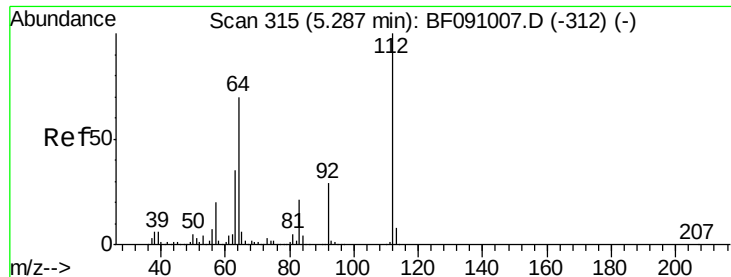


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 137.34 ng

RT: 5.26 min Scan# 313

Delta R.T. 0.02 min

Lab File: BF091098.D

Acq: 8 Nov 2016 22:39

Instrument :

BNA_F

ClientSampleId :

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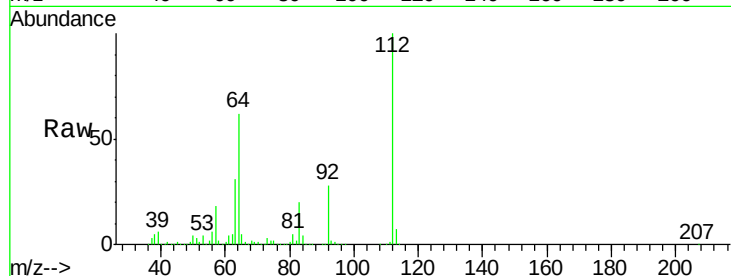
Tgt Ion:112 Resp: 1617372

Ion Ratio Lower Upper

112 100

64 61.8 55.8 83.6

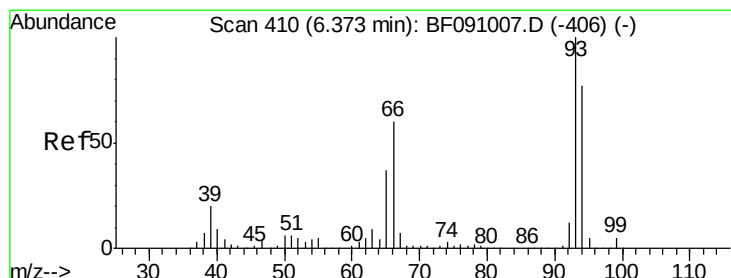
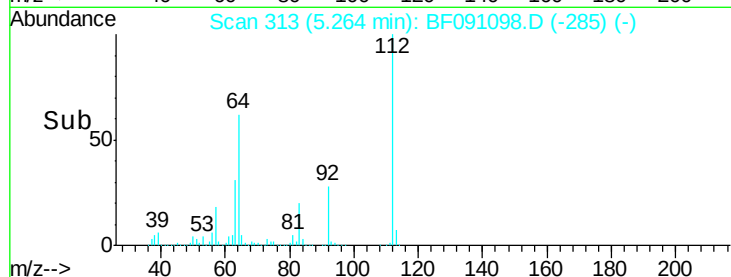
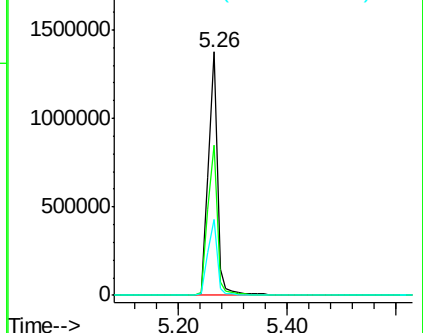
63 31.3 28.0 42.0



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



#6

Aniline

Concen: 25.87 ng

RT: 6.33 min Scan# 406

Delta R.T. 0.00 min

Lab File: BF091098.D

Acq: 8 Nov 2016 22:39

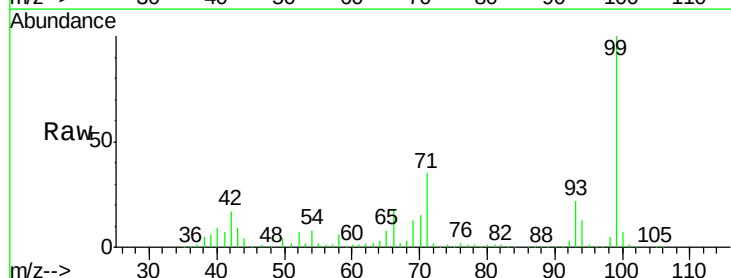
Tgt Ion: 93 Resp: 487821

Ion Ratio Lower Upper

93 100

66 81.0 48.2 72.2#

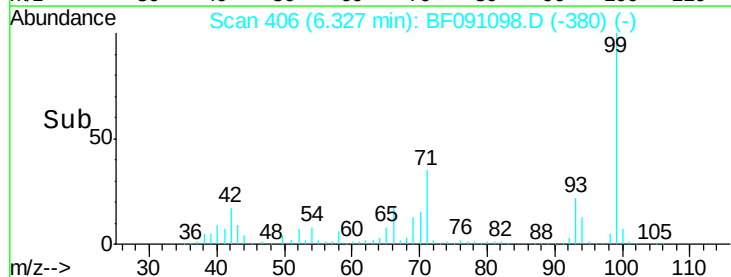
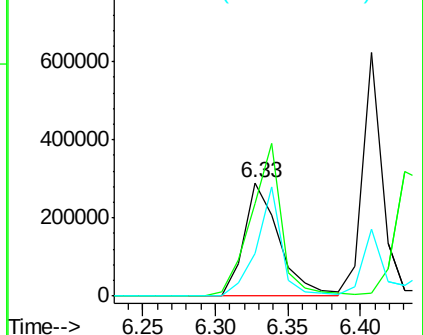
65 37.8 29.4 44.0

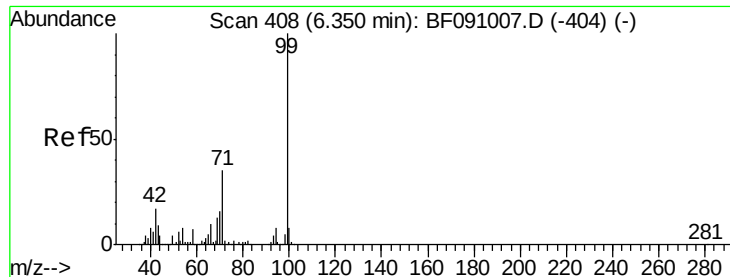


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 123.76 ng

RT: 6.33 min Scan# 406

Delta R.T. 0.01 min

Lab File: BF091098.D

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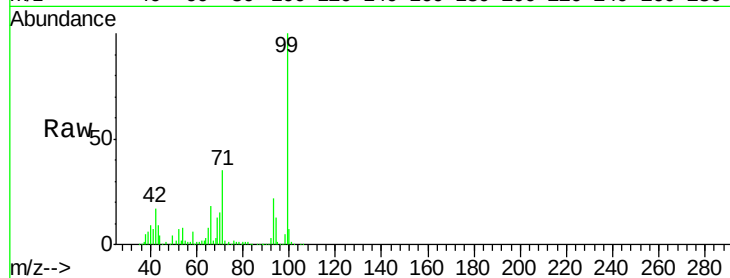
Tgt Ion: 99 Resp: 1978248

Ion Ratio Lower Upper

99 100

42 17.4 13.9 20.9

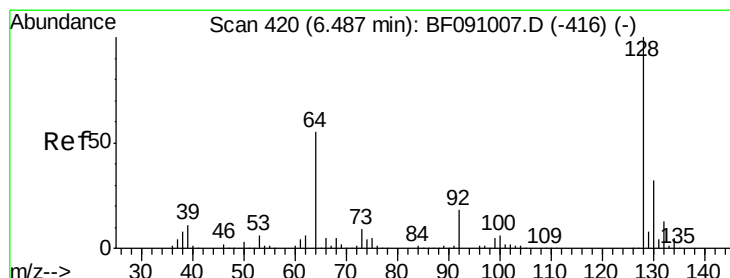
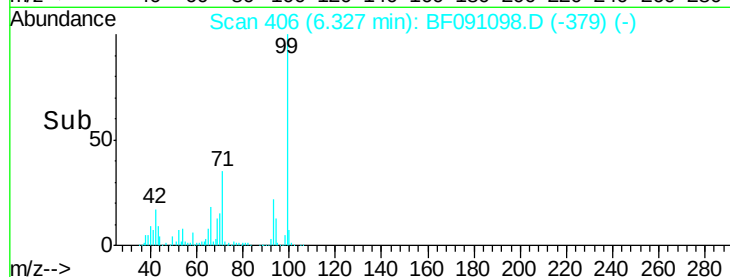
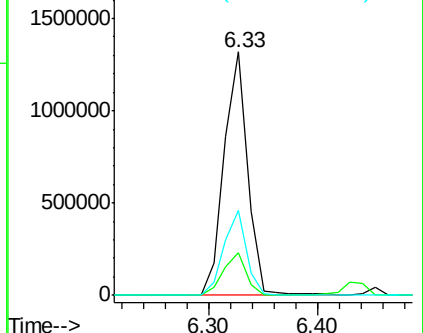
71 34.7 27.8 41.8



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: 43.87 ng

RT: 6.45 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF091098.D

Acq: 8 Nov 2016 22:39

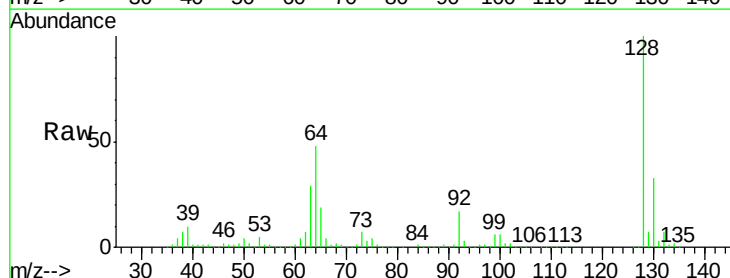
Tgt Ion: 128 Resp: 616208

Ion Ratio Lower Upper

128 100

130 33.2 12.0 52.0

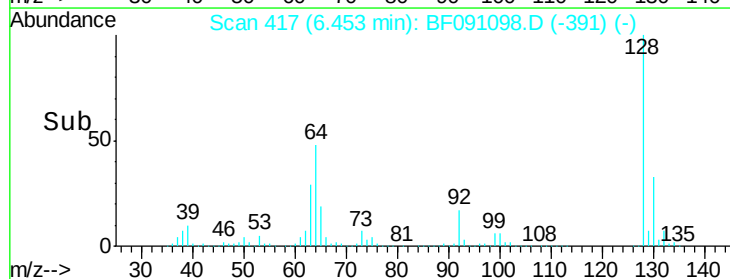
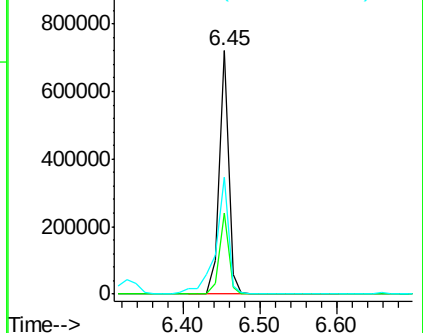
64 48.2 37.2 77.2

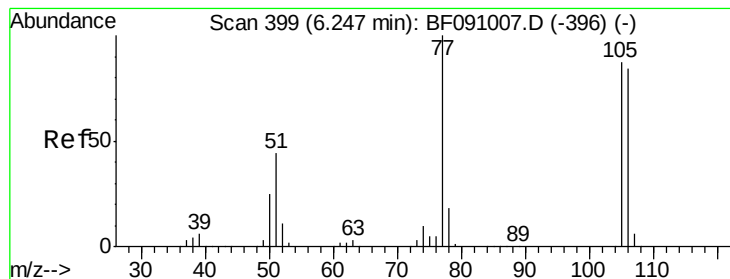


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 7.98 ng

RT: 6.21 min Scan# 396

Delta R.T. 0.01 min

Lab File: BF091098.D

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V001-BF014-01MS

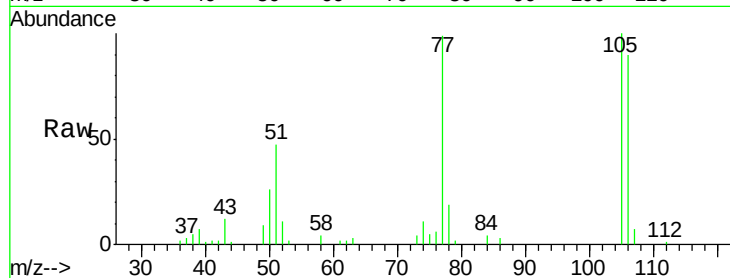
Tgt Ion: 77 Resp: 70829

Ion Ratio Lower Upper

77 100

105 101.0 66.8 106.8

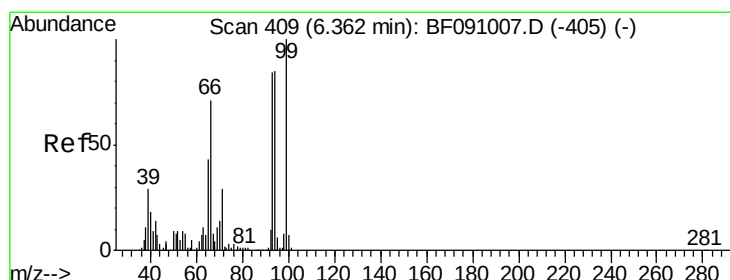
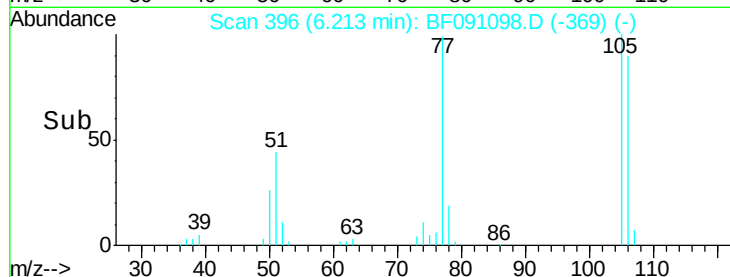
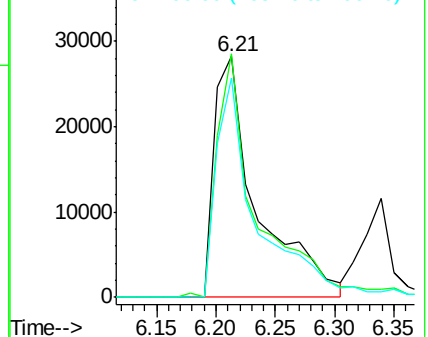
106 91.2 64.0 104.0



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: 44.21 ng

RT: 6.34 min Scan# 407

Delta R.T. 0.01 min

Lab File: BF091098.D

Acq: 8 Nov 2016 22:39

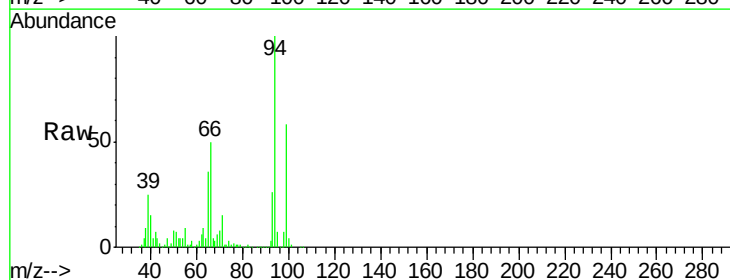
Tgt Ion: 94 Resp: 782024

Ion Ratio Lower Upper

94 100

65 35.6 30.4 70.4

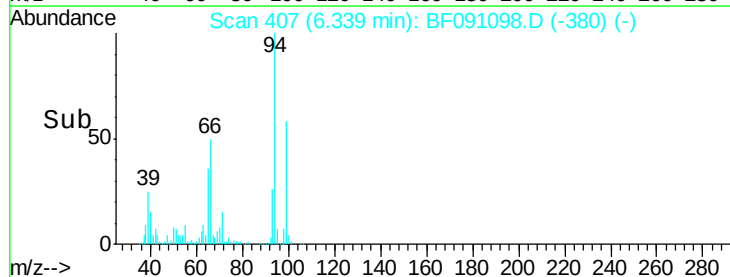
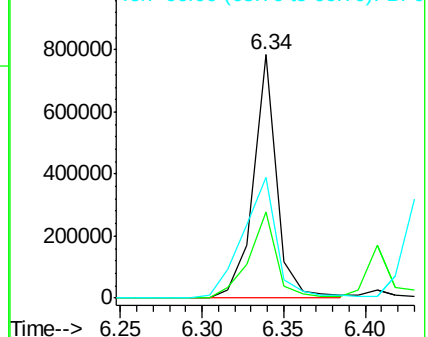
66 49.8 62.9 102.9#

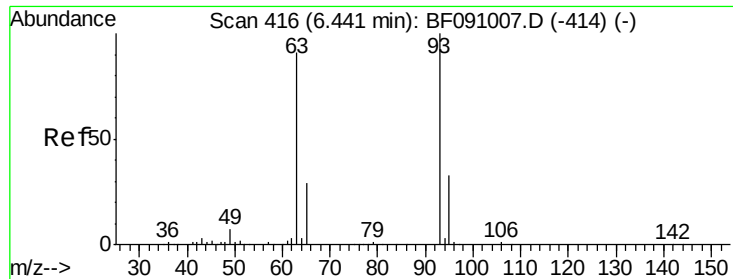


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 37.29 ng

RT: 6.41 min Scan# 413

Delta R.T. 0.00 min

Lab File: BF091098.D

Acq: 8 Nov 2016 22:39

Instrument :

BNA_F

ClientSampleId :

V001-BF014-01MS

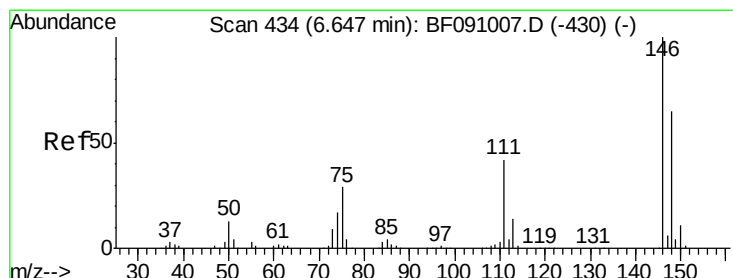
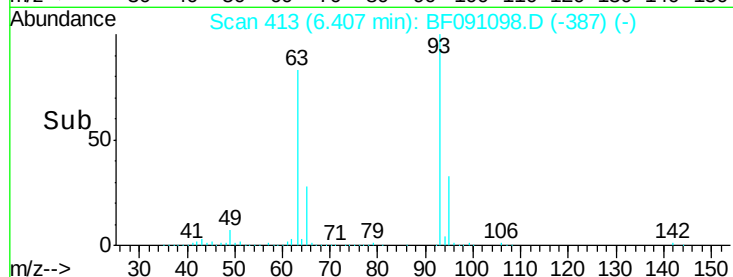
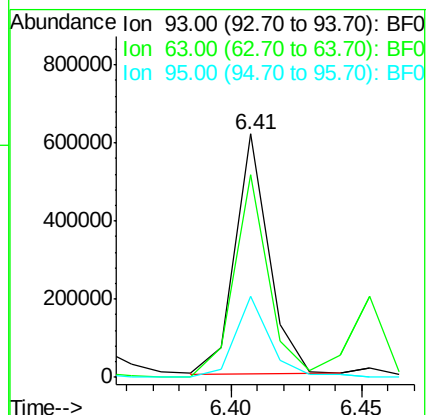
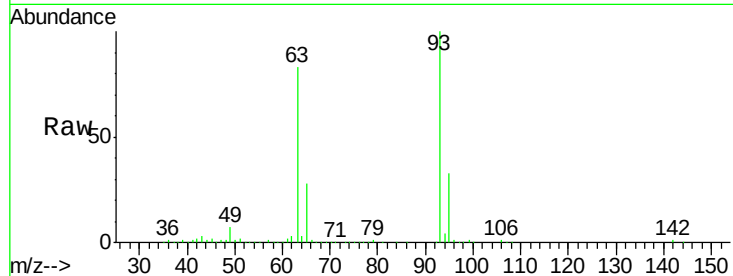
Tgt Ion: 93 Resp: 555836

Ion Ratio Lower Upper

93 100

63 83.3 68.9 108.9

95 33.1 12.3 52.3



#12

1,3-Dichlorobenzene

Concen: 43.30 ng

RT: 6.60 min Scan# 430

Delta R.T. 0.00 min

Lab File: BF091098.D

Acq: 8 Nov 2016 22:39

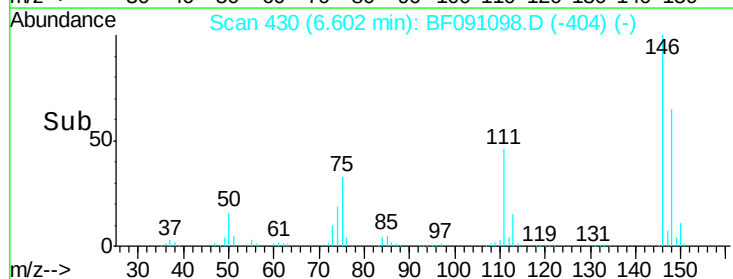
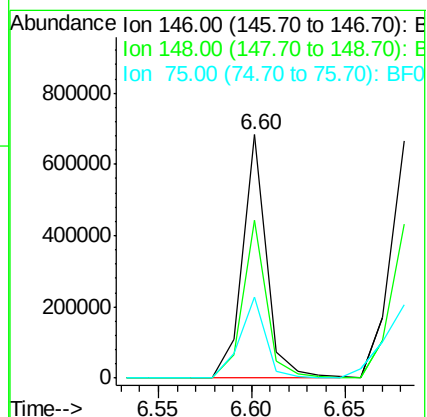
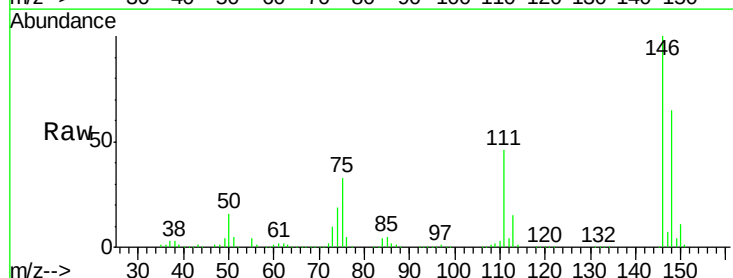
Tgt Ion: 146 Resp: 615156

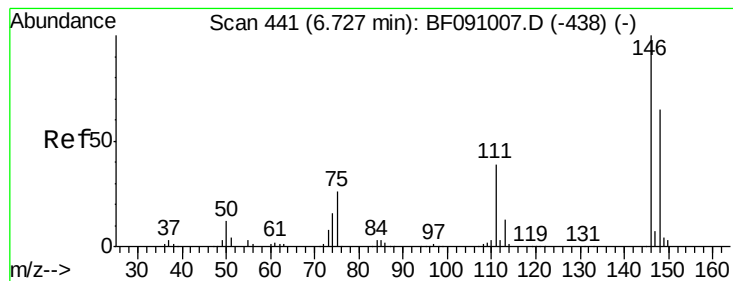
Ion Ratio Lower Upper

146 100

148 64.8 52.0 78.0

75 33.3 23.0 34.6





#13

1,4-Dichlorobenzene

Concen: 42.46 ng

RT: 6.68 min Scan# 437

Delta R.T. 0.00 min

Lab File: BF091098.D

Acq: 8 Nov 2016 22:39

Instrument :

BNA_F

ClientSampleId :

V001-BF014-01MS

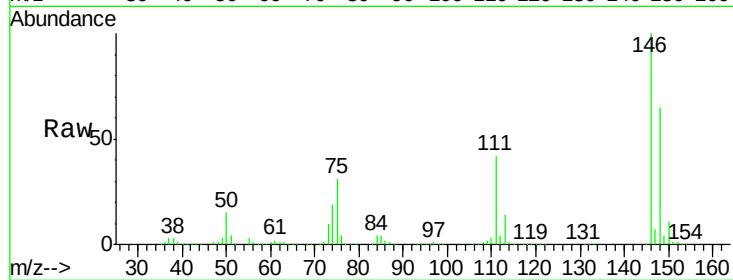
Tgt Ion:146 Resp: 647293

Ion Ratio Lower Upper

146 100

148 64.8 52.1 78.1

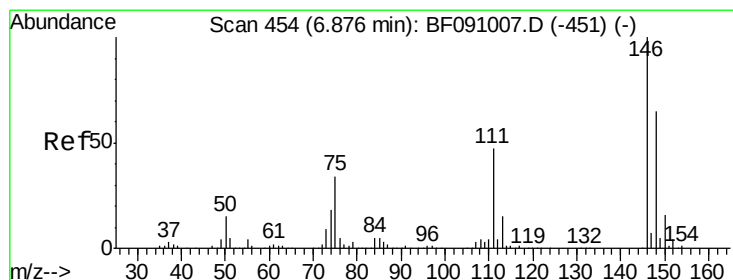
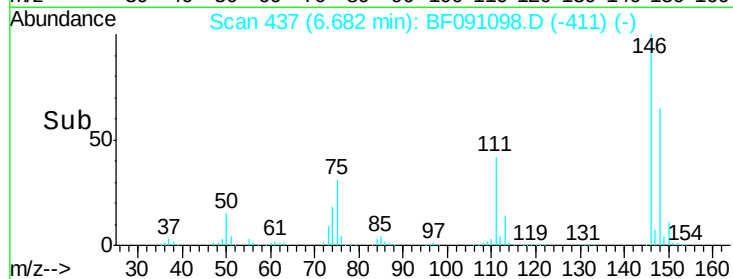
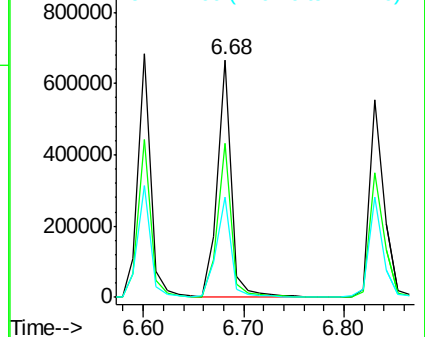
111 42.3 31.6 47.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 40.49 ng

RT: 6.83 min Scan# 450

Delta R.T. 0.00 min

Lab File: BF091098.D

Acq: 8 Nov 2016 22:39

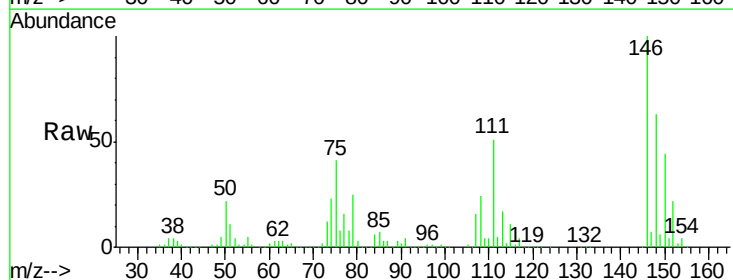
Tgt Ion:146 Resp: 566453

Ion Ratio Lower Upper

146 100

148 63.1 51.6 77.4

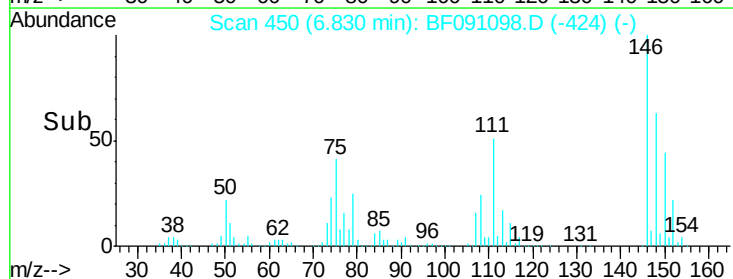
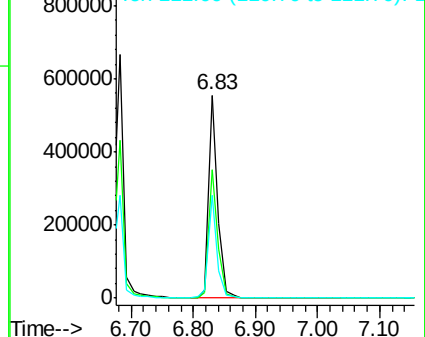
111 50.8 37.3 55.9

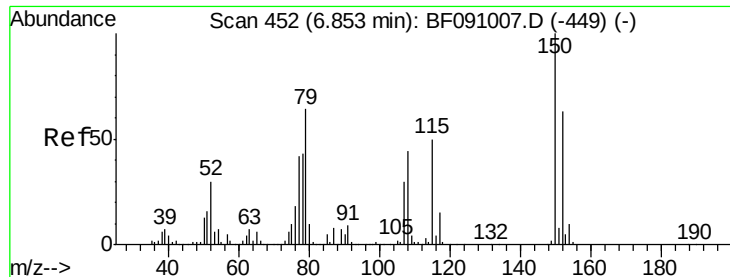


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 39.31 ng

RT: 6.82 min Scan# 449

Delta R.T. 0.00 min

Lab File: BF091098.D

Acq: 8 Nov 2016 22:39

Instrument :

BNA_F

ClientSampleId :

V001-BF014-01MS

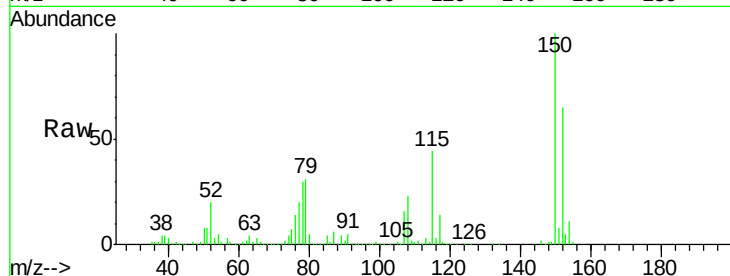
Tgt Ion: 79 Resp: 443224

Ion Ratio Lower Upper

79 100

108 74.9 55.7 83.5

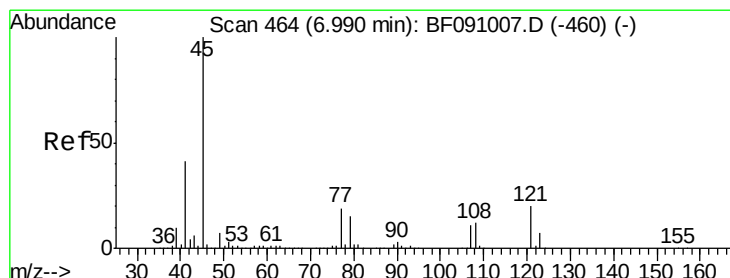
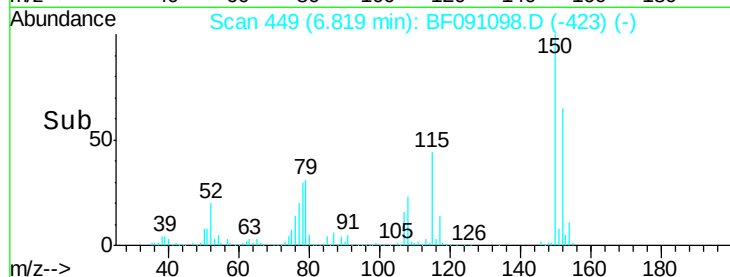
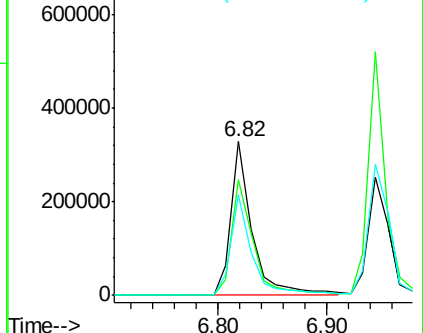
77 65.6 52.6 79.0



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.18 ng

RT: 6.96 min Scan# 461

Delta R.T. 0.00 min

Lab File: BF091098.D

Acq: 8 Nov 2016 22:39

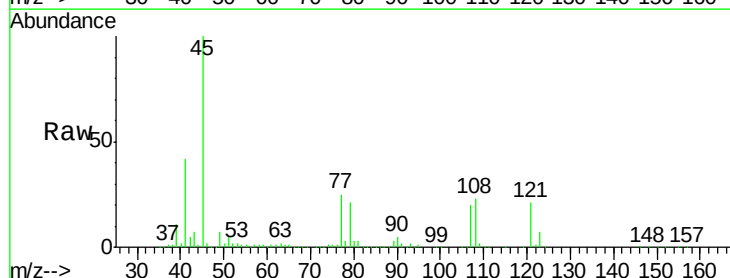
Tgt Ion: 45 Resp: 814978

Ion Ratio Lower Upper

45 100

77 24.9 0.0 39.6

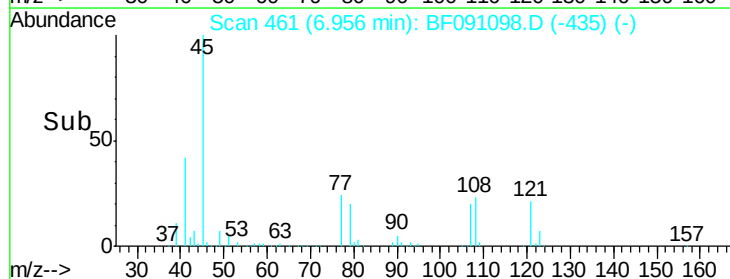
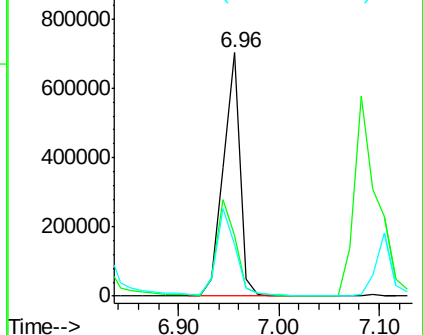
79 21.3 0.0 35.9

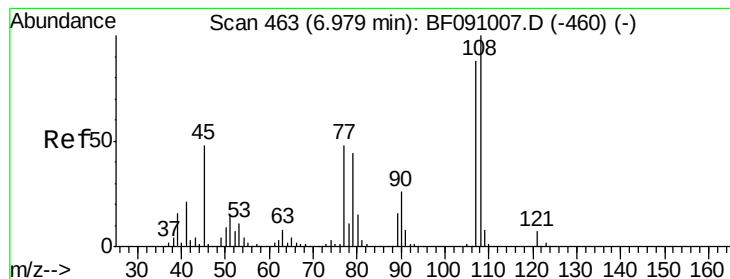


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 44.80 ng

RT: 6.94 min Scan# 460

Delta R.T. 0.00 min

Lab File: BF091098.D

Acq: 8 Nov 2016 22:39

Instrument :

BNA_F

ClientSampleId :

V001-BF014-01MS

Tgt Ion:107 Resp: 498187

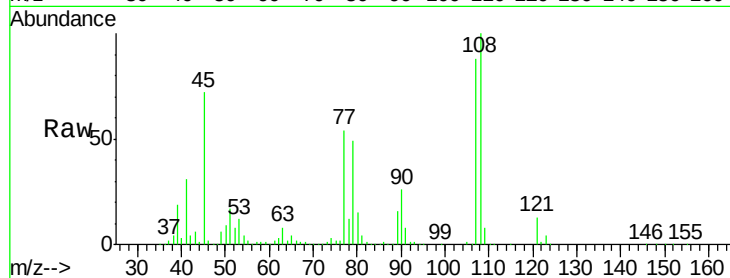
Ion Ratio Lower Upper

107 100

108 114.2 91.0 136.6

77 61.4 43.8 65.8

79 55.4 40.6 60.8

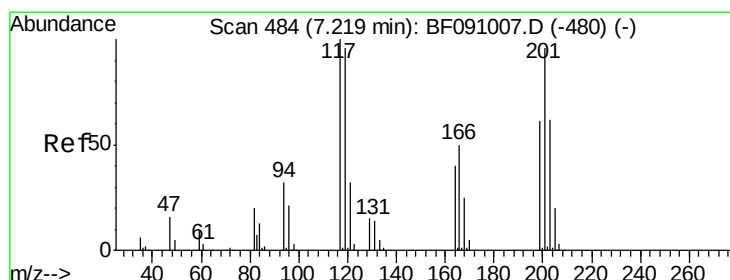
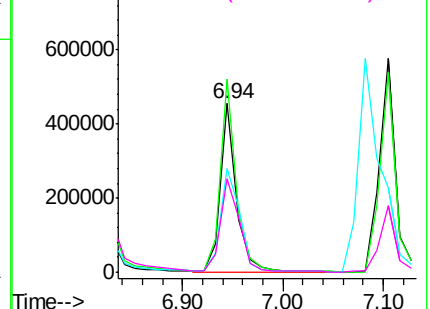
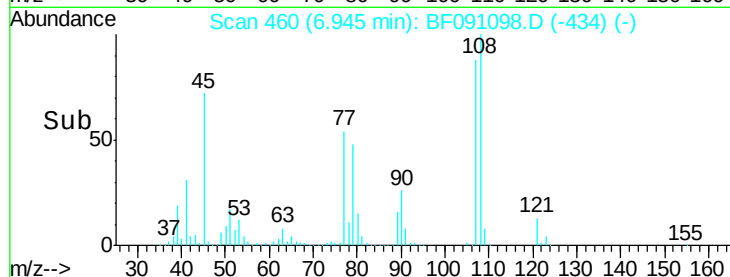


Abundance Ion 107.00 (106.70 to 107.70): E

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: 42.02 ng

RT: 7.17 min Scan# 480

Delta R.T. 0.00 min

Lab File: BF091098.D

Acq: 8 Nov 2016 22:39

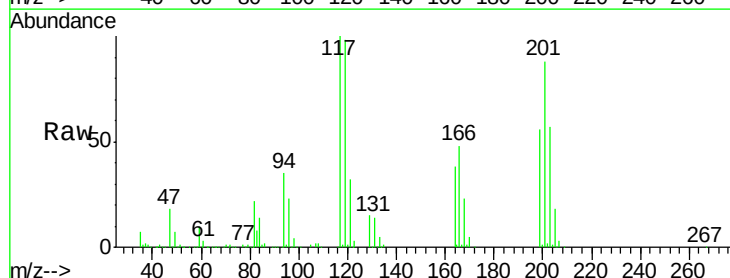
Tgt Ion:117 Resp: 247910

Ion Ratio Lower Upper

117 100

119 98.2 76.6 115.0

201 88.5 77.1 115.7



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

