

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110816\
 Data File : BF091099.D
 Acq On : 8 Nov 2016 23:07
 Operator : UM/SJ
 Sample : H5537-09MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 V001-BF014-01MSD

Quant Time: Nov 09 00:46:59 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	200920	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	811825	20.00	ng	0.00
38) Acenaphthene-d10	9.70	164	387459	20.00	ng	0.00
63) Phenanthrene-d10	11.18	188	562247	20.00	ng	0.01
75) Chrysene-d12	13.81	240	440939	20.00	ng	0.00
86) Perylene-d12	15.19	264	373648	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	1584201	130.22	ng	0.02
7) Phenol-d6	6.33	99	2096245	126.95	ng	0.01
23) Nitrobenzene-d5	7.24	82	1446487	97.20	ng	0.00
41) 2,4,6-Tribromophenol	10.50	330	538650	153.77	ng	0.01
44) 2-Fluorobiphenyl	9.04	172	2250090	99.98	ng	0.00
78) Terphenyl-d14	12.76	244	1524790	86.29	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.20	88	237289	34.10	ng	97
3) Pyridine	2.85	79	734533	45.12	ng	97
4) n-Nitrosodimethylamine	2.82	42	300135	46.61	ng	91
6) Aniline	6.33	93	606885	31.16	ng	# 89
8) 2-Chlorophenol	6.45	128	684127	47.14	ng	93
9) Benzaldehyde	6.20	77	81895	8.94	ng	88
10) Phenol	6.34	94	774493	42.38	ng	# 80
11) bis(2-Chloroethyl)ether	6.41	93	624568	40.56	ng	98
12) 1,3-Dichlorobenzene	6.68	146	717103	48.86	ng	97
13) 1,4-Dichlorobenzene	6.68	146	724315	46.00	ng	97
14) 1,2-Dichlorobenzene	6.83	146	591009	40.89	ng	95
15) Benzyl Alcohol	6.82	79	492176	42.26	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.96	45	872865	39.58	ng	86
17) 2-Methylphenol	6.94	107	519803	45.25	ng	95
18) Hexachloroethane	7.17	117	267089	43.83	ng	93
19) n-Nitroso-di-n-propylamine	7.09	70	504215	44.06	ng	99
20) 3+4-Methylphenols	7.10	107	686118	49.74	ng	96
22) Acetophenone	7.08	105	959056	51.31	ng	# 96
24) Nitrobenzene	7.25	77	712935	43.38	ng	91
25) Isophorone	7.50	82	1409092	49.14	ng	96
26) 2-Nitrophenol	7.57	139	364433	52.39	ng	# 84
27) 2,4-Dimethylphenol	7.63	122	633287	55.06	ng	100
28) bis(2-Chloroethoxy)methane	7.71	93	811704	51.81	ng	98
29) 2,4-Dichlorophenol	7.82	162	546904	54.48	ng	95
30) 1,2,4-Trichlorobenzene	7.89	180	529084	46.87	ng	98
31) Naphthalene	7.97	128	1729981	44.56	ng	98
32) Benzoic acid	7.74	122	91747	14.22	ng	98
33) 4-Chloroaniline	8.03	127	296619	18.37	ng	# 91
34) Hexachlorobutadiene	8.10	225	319752	52.48	ng	97
35) Caprolactam	8.46	113	54854	17.39	ng	98
36) 4-Chloro-3-methylphenol	8.53	107	549054	45.18	ng	89
37) 2-Methylnaphthalene	8.67	142	1247491	49.98	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.83	216	477437	48.33	ng	99
40) Hexachlorocyclopentadiene	8.82	237	241350	64.45	ng	99

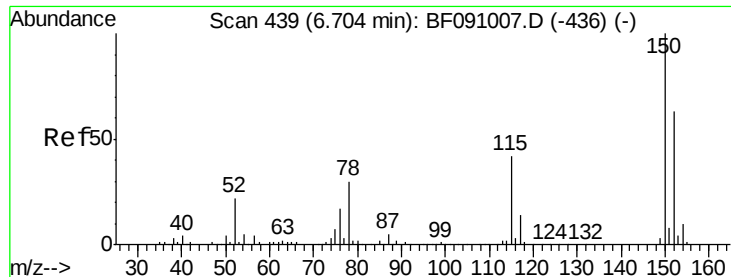
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.96	196	359610	56.39	ng	99
43) 2,4,5-Trichlorophenol	9.00	196	372017	55.56	ng	95
45) 1,1'-Biphenyl	9.13	154	1294095	45.74	ng	99
46) 2-Chloronaphthalene	9.15	162	1064433	49.55	ng	98
47) 2-Nitroaniline	9.25	65	377144	47.31	ng	# 84
48) Acenaphthylene	9.56	152	1465617	43.78	ng	100
49) Dimethylphthalate	9.45	163	1744511	68.66	ng	98
50) 2,6-Dinitrotoluene	9.50	165	299650	55.03	ng	# 79
51) Acenaphthene	9.73	154	892099	42.45	ng	99
52) 3-Nitroaniline	9.66	138	200491	31.05	ng	85
53) 2,4-Dinitrophenol	9.78	184	126042	45.43	ng	# 57
54) Dibenzofuran	9.90	168	1329212	46.99	ng	99
55) 4-Nitrophenol	9.86	139	347580	80.77	ng	88
56) 2,4-Dinitrotoluene	9.90	165	314494	45.40	ng	# 64
57) Fluorene	10.25	166	974847	42.16	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.03	232	254320	48.48	ng	97
59) Diethylphthalate	10.13	149	1218534	46.78	ng	98
60) 4-Chlorophenyl-phenylether	10.25	204	541248	51.43	ng	97
61) 4-Nitroaniline	10.29	138	271970	41.64	ng	91
62) Azobenzene	10.41	77	1520511	49.59	ng	98
64) 4,6-Dinitro-2-methylphenol	10.32	198	133485	38.77	ng	# 44
65) n-Nitrosodiphenylamine	10.37	169	1034522	57.89	ng	99
66) 4-Bromophenyl-phenylether	10.73	248	289411	49.49	ng	98
67) Hexachlorobenzene	10.80	284	347831	53.93	ng	98
68) Atrazine	10.90	200	260003	50.43	ng	95
69) Pentachlorophenol	11.00	266	304831	106.70	ng	98
70) Phenanthrene	11.21	178	1720886	57.58	ng	99
71) Anthracene	11.25	178	1466136	46.14	ng	100
72) Carbazole	11.41	167	1275588	44.54	ng	100
73) Di-n-butylphthalate	11.76	149	1879959	52.20	ng	99
74) Fluoranthene	12.39	202	1446592	46.67	ng	98
76) Benzidine	12.52	184	500685	50.83	ng	97
77) Pyrene	12.61	202	1406826	48.72	ng	100
79) Butylbenzylphthalate	13.24	149	681029	49.30	ng	93
80) Benzo(a)anthracene	13.80	228	1177611	47.04	ng	100
81) 3,3'-Dichlorobenzidine	13.77	252	327686	37.26	ng	# 97
82) Chrysene	13.84	228	950772	38.51	ng	98
83) Bis(2-ethylhexyl)phthalate	13.80	149	863523	46.20	ng	# 99
84) Di-n-octyl phthalate	14.42	149	1495271	48.65	ng	97
85) Indeno(1,2,3-cd)pyrene	16.48	276	1062372	51.87	ng	95
87) Benzo(b)fluoranthene	14.81	252	2232778	88.10	ng	# 98
88) Benzo(k)fluoranthene	14.81	252	2232778	100.44	ng	98
89) Benzo(a)pyrene	15.13	252	1078706	48.89	ng	# 94
90) Dibenzo(a,h)anthracene	16.49	278	883679	46.33	ng	98
91) Benzo(g,h,i)perylene	16.87	276	827015	47.95	ng	# 93

(#) = 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-BF014-01MSD

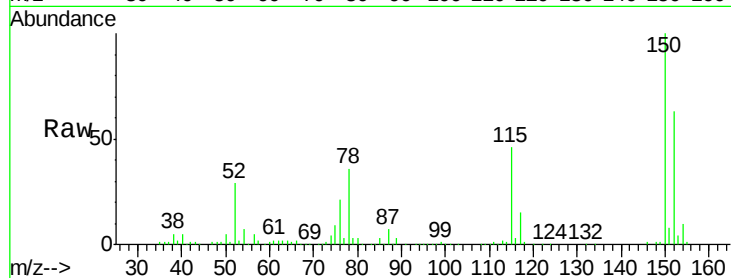
Tgt Ion:152 Resp: 200920

Ion Ratio Lower Upper

152 100

150 159.2 126.8 190.2

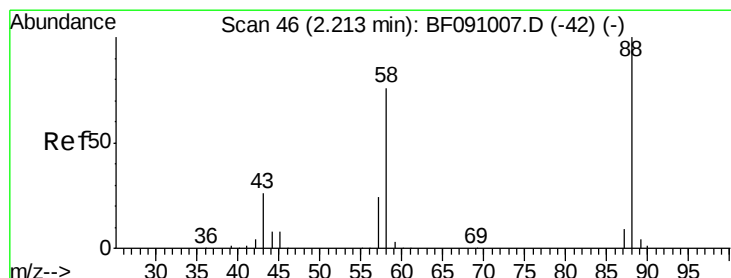
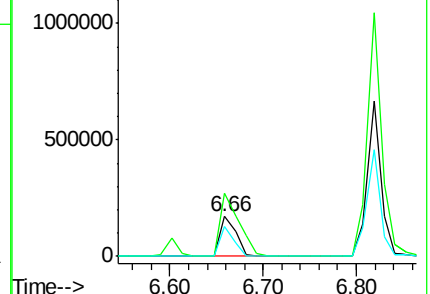
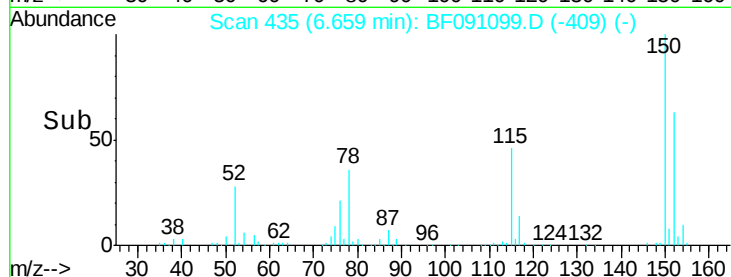
115 74.0 53.3 79.9



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: 34.10 ng

RT: 2.20 min Scan# 45

Delta R.T. 0.06 min

Lab File: BF091099.D

Acq: 8 Nov 2016 23:07

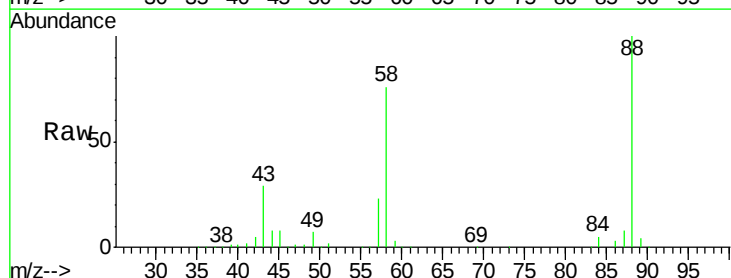
Tgt Ion: 88 Resp: 237289

Ion Ratio Lower Upper

88 100

58 78.6 63.8 95.6

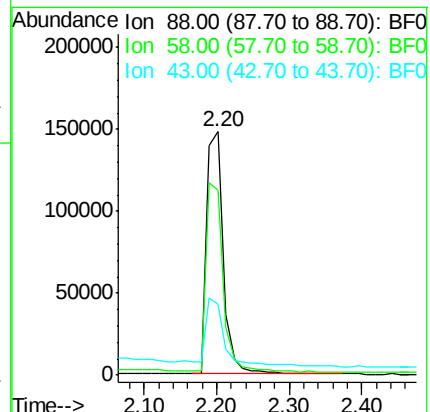
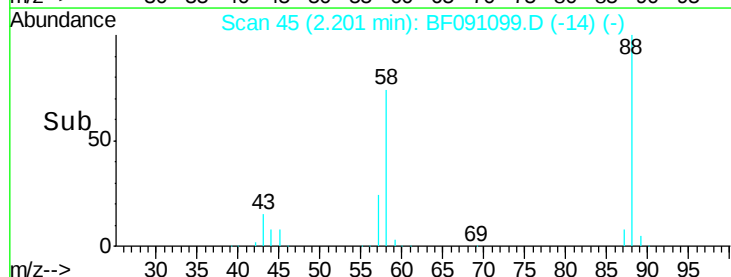
43 32.9 22.6 33.8

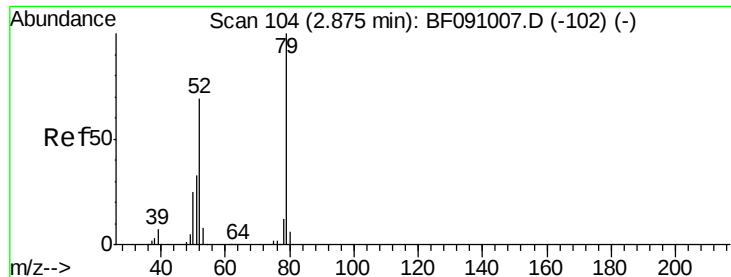


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 45.12 ng

RT: 2.85 min Scan# 102

Delta R.T. 0.07 min

Lab File: BF091099.D

Acq: 8 Nov 2016 23:07

Instrument :

BNA_F

ClientSampleId :

V001-BF014-01MSD

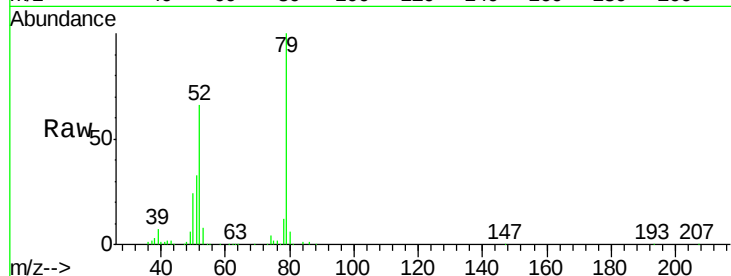
Tgt Ion: 79 Resp: 734533

Ion Ratio Lower Upper

79 100

52 66.1 55.4 83.0

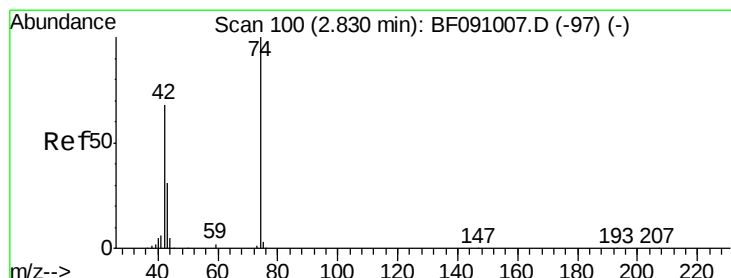
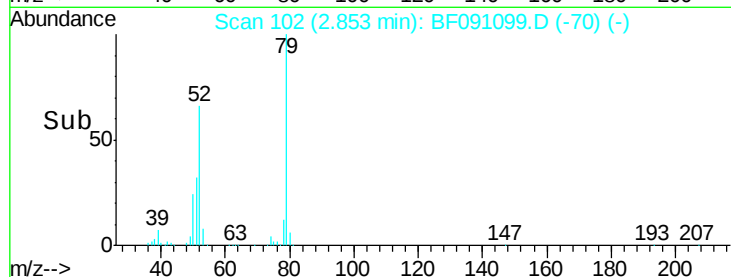
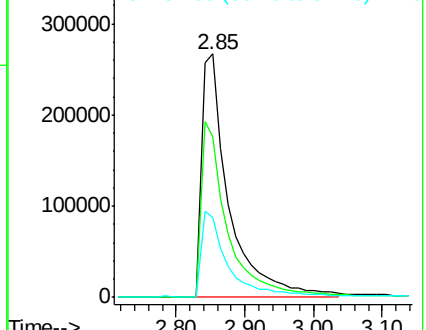
51 32.7 27.4 41.0



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: 46.61 ng

RT: 2.82 min Scan# 99

Delta R.T. 0.07 min

Lab File: BF091099.D

Acq: 8 Nov 2016 23:07

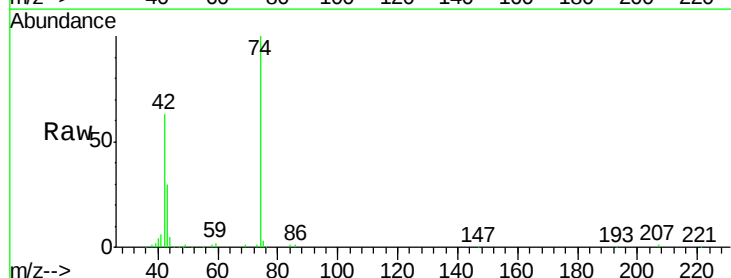
Tgt Ion: 42 Resp: 300135

Ion Ratio Lower Upper

42 100

74 157.8 117.3 175.9

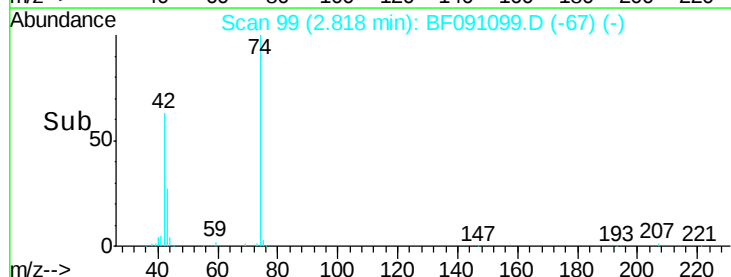
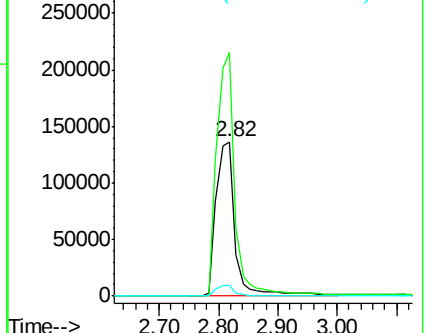
44 7.2 5.8 8.8



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: 130.22 ng

RT: 5.26 min Scan# 313

Delta R.T. 0.02 min

Lab File: BF091099.D

Acq: 8 Nov 2016 23:07

Instrument :

BNA_F

ClientSampleId :

V001-BF014-01MSD

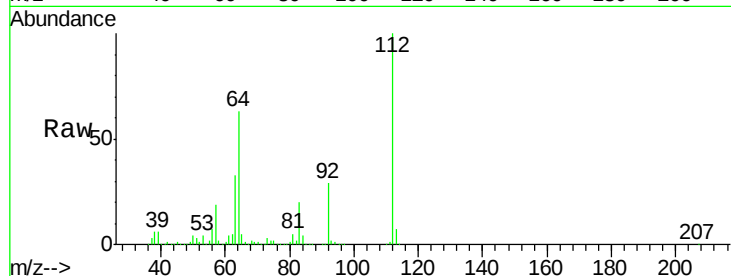
Tgt Ion: 112 Resp: 1584201

Ion Ratio Lower Upper

112 100

64 63.3 55.8 83.6

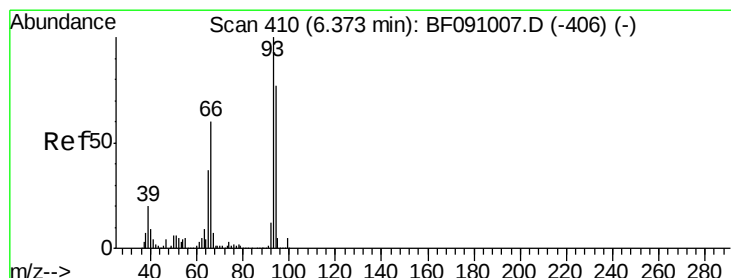
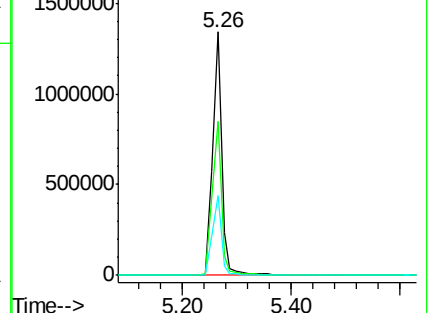
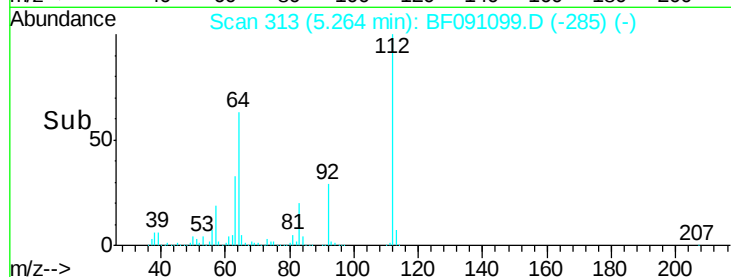
63 32.6 28.0 42.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 31.16 ng

RT: 6.33 min Scan# 406

Delta R.T. 0.00 min

Lab File: BF091099.D

Acq: 8 Nov 2016 23:07

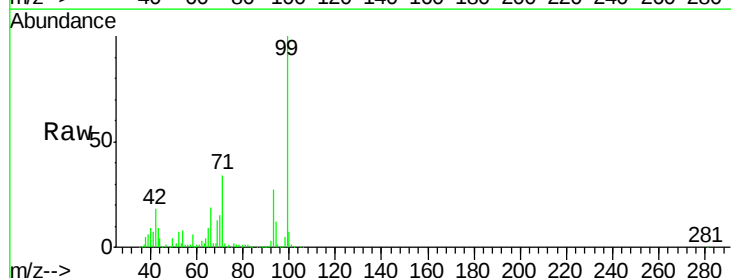
Tgt Ion: 93 Resp: 606885

Ion Ratio Lower Upper

93 100

66 72.3 48.2 72.2#

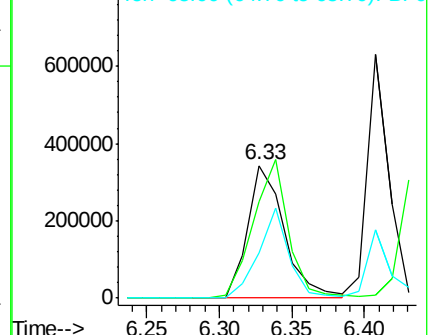
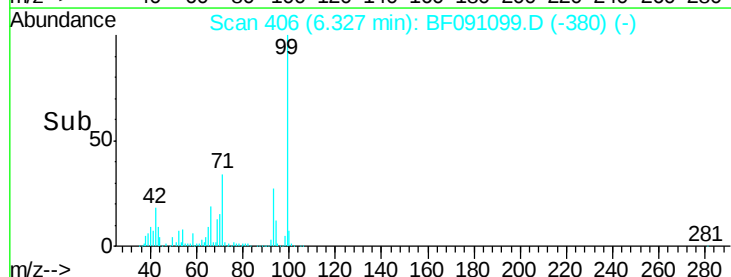
65 34.3 29.4 44.0



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: 126.95 ng

RT: 6.33 min Scan# 406

Delta R.T. 0.01 min

Lab File: BF091099.D

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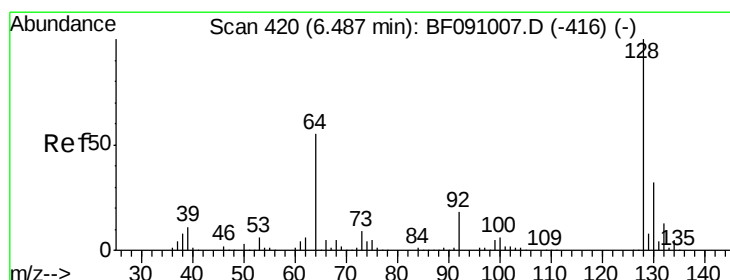
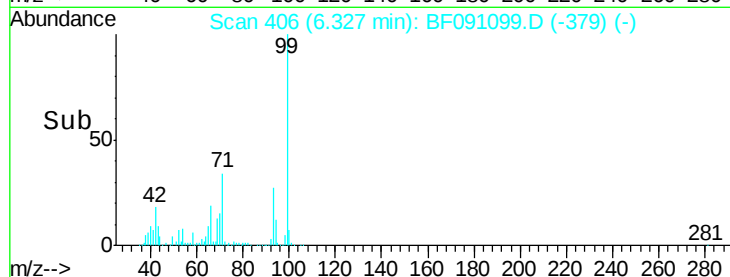
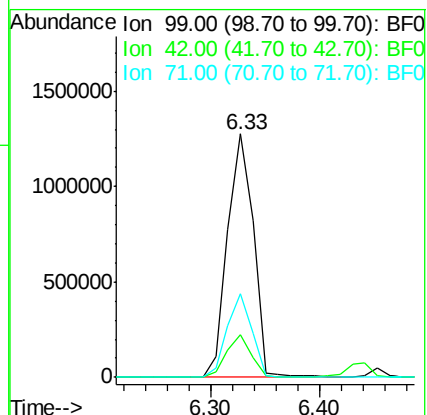
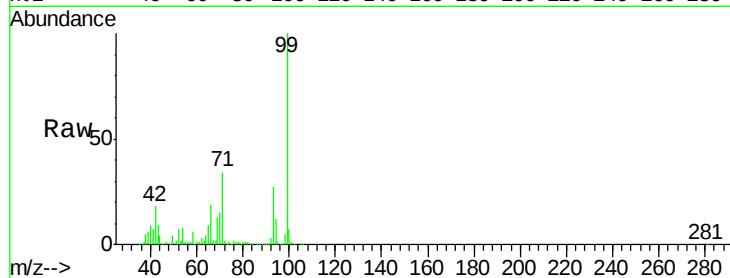
Tgt Ion: 99 Resp: 2096245

Ion Ratio Lower Upper

99 100

42 17.6 13.9 20.9

71 34.5 27.8 41.8



#8

2-Chlorophenol

Concen: 47.14 ng

RT: 6.45 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF091099.D

Acq: 8 Nov 2016 23:07

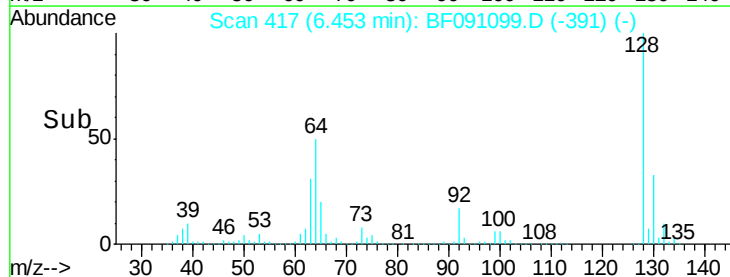
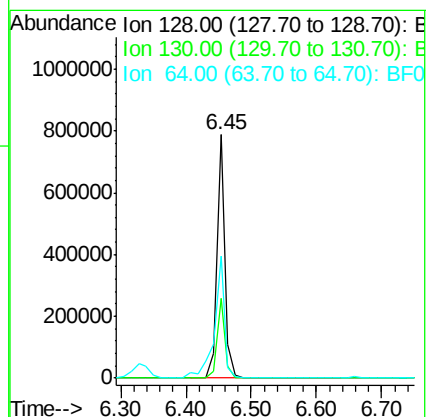
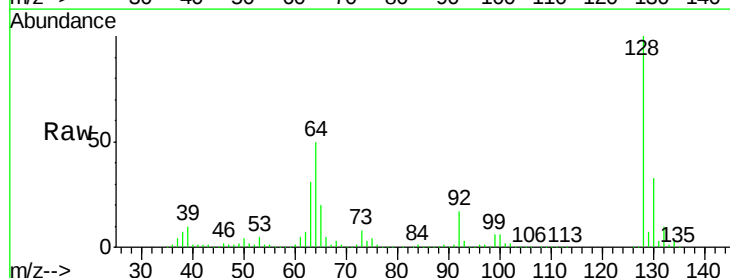
Tgt Ion: 128 Resp: 684127

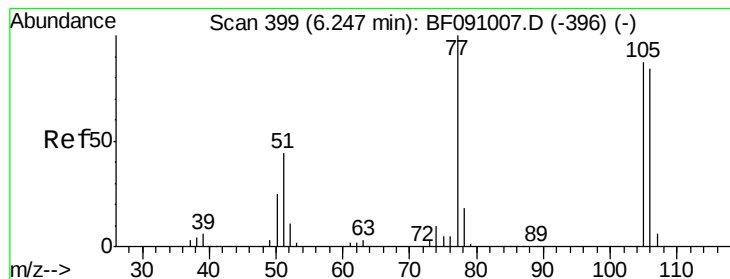
Ion Ratio Lower Upper

128 100

130 32.8 12.0 52.0

64 50.3 37.2 77.2





#9

Benzaldehyde

Concen: 8.94 ng

RT: 6.20 min Scan# 395

Delta R.T. 0.00 min

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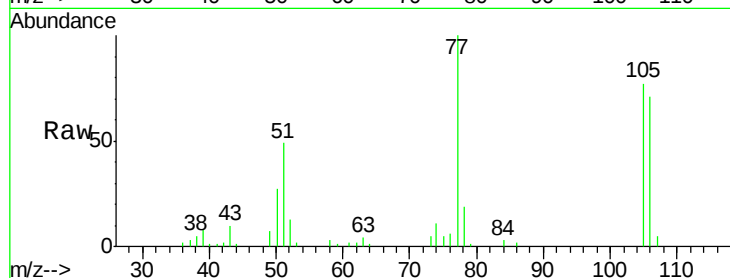
Tgt Ion: 77 Resp: 81895

Ion Ratio Lower Upper

77 100

105 77.4 66.8 106.8

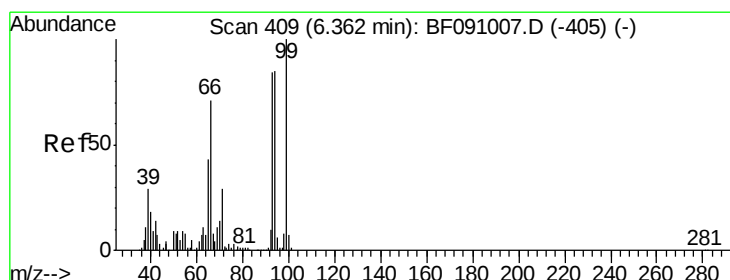
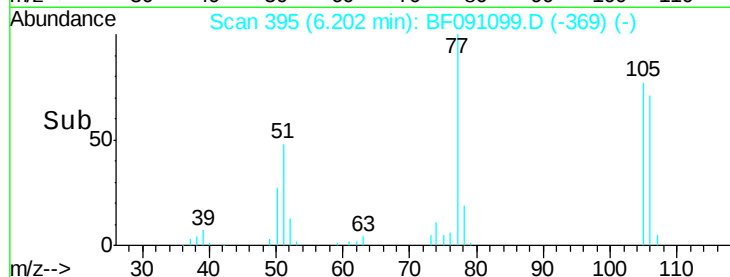
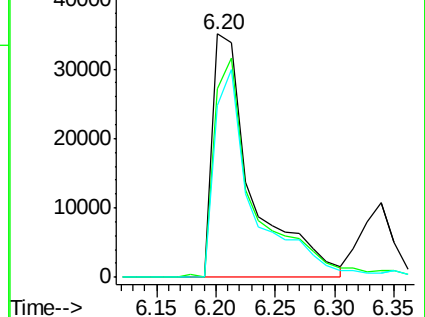
106 70.5 64.0 104.0



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: 42.38 ng

RT: 6.34 min Scan# 407

Delta R.T. 0.01 min

Lab File: BF091099.D

Acq: 8 Nov 2016 23:07

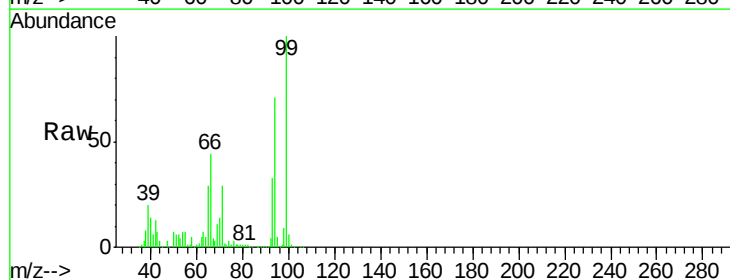
Tgt Ion: 94 Resp: 774493

Ion Ratio Lower Upper

94 100

65 40.1 30.4 70.4

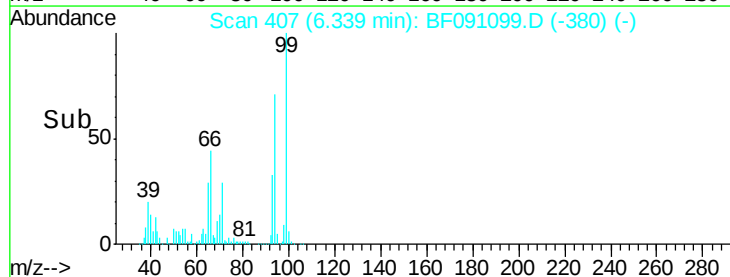
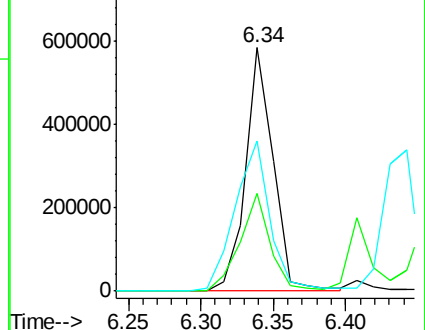
66 61.7 62.9 102.9#

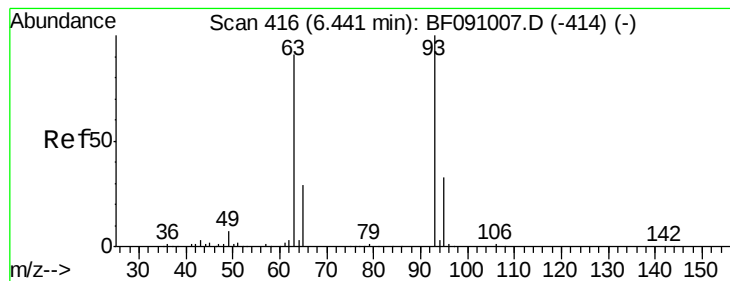


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 40.56 ng

RT: 6.41 min Scan# 413

Delta R.T. 0.00 min

Lab File: BF091099.D

Acq: 8 Nov 2016 23:07

Instrument :

BNA_F

ClientSampleId :

V001-BF014-01MSD

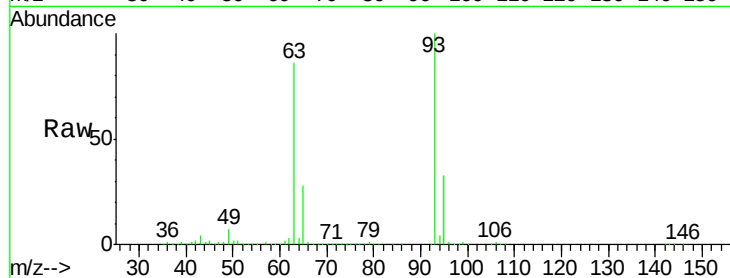
Tgt Ion: 93 Resp: 624568

Ion Ratio Lower Upper

93 100

63 86.5 68.9 108.9

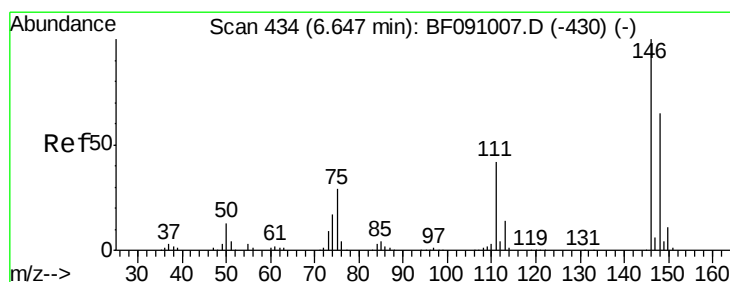
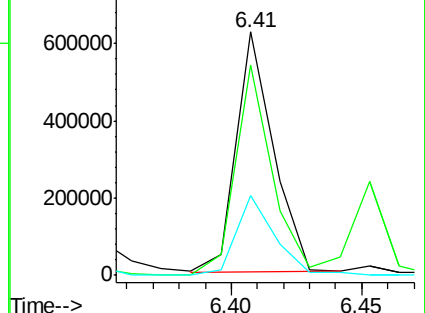
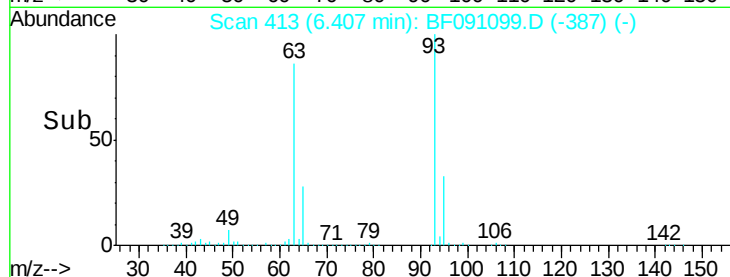
95 32.7 12.3 52.3



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 48.86 ng

RT: 6.68 min Scan# 437

Delta R.T. 0.08 min

Lab File: BF091099.D

Acq: 8 Nov 2016 23:07

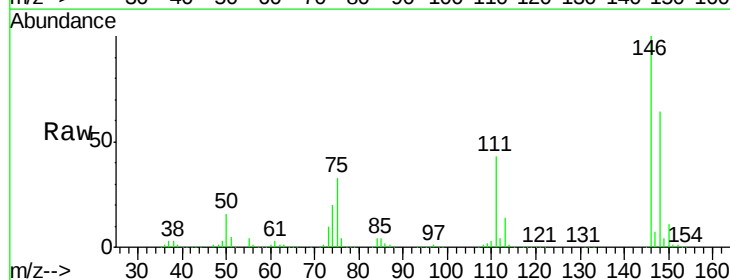
Tgt Ion: 146 Resp: 717103

Ion Ratio Lower Upper

146 100

148 64.3 52.0 78.0

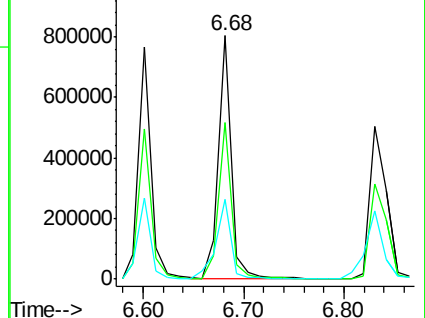
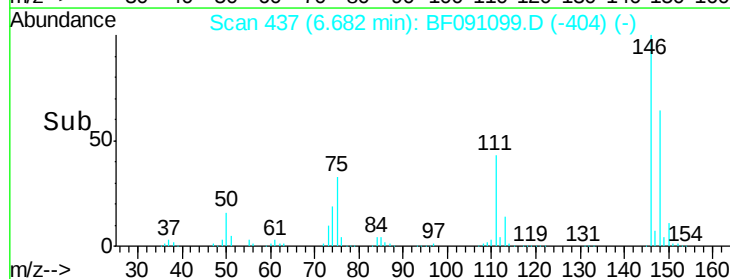
75 32.9 23.0 34.6



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): BF0

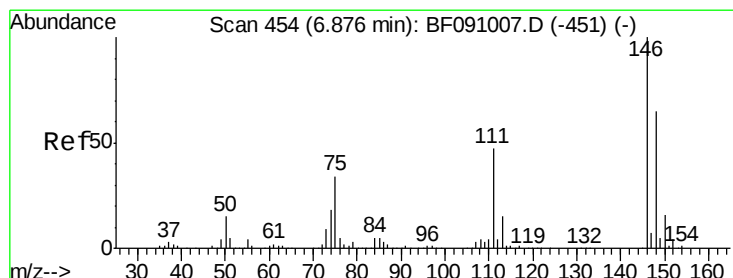
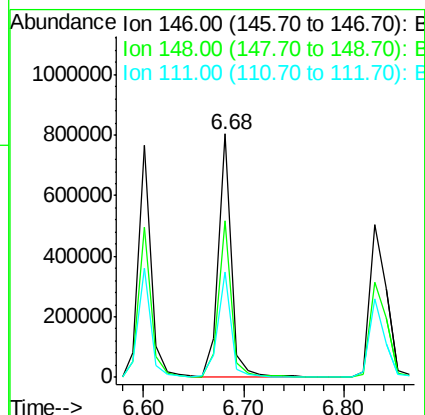
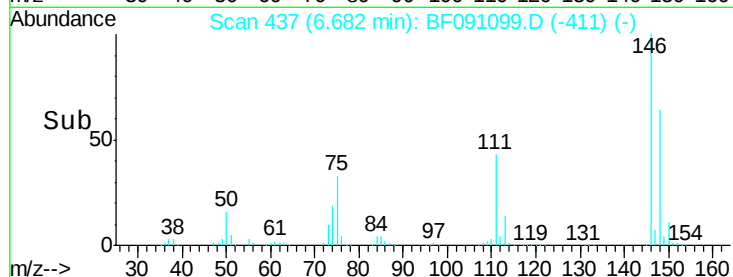
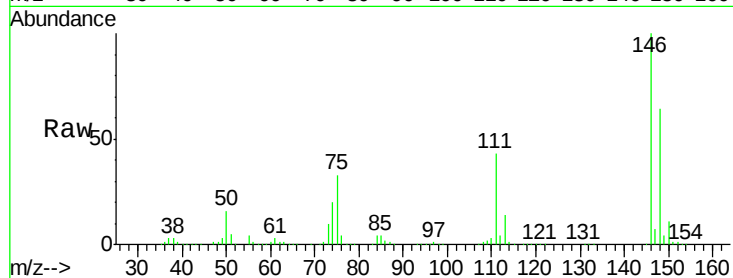




#13
 1,4-Dichlorobenzene
 Concen: 46.00 ng
 RT: 6.68 min Scan# 437
 Delta R.T. 0.00 min
 Lab File: BF091099.D
 Acq: 8 Nov 2016 23:07

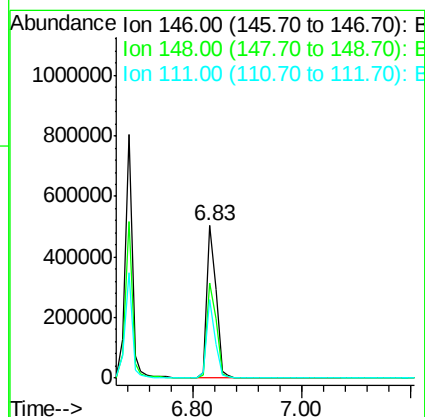
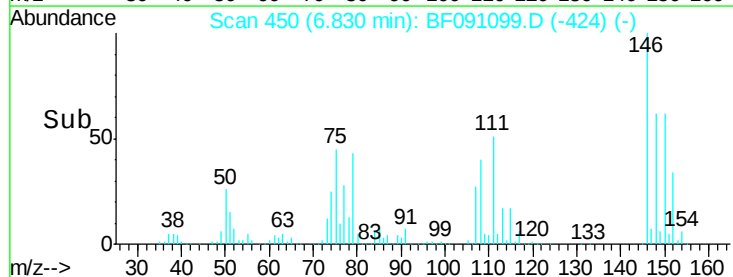
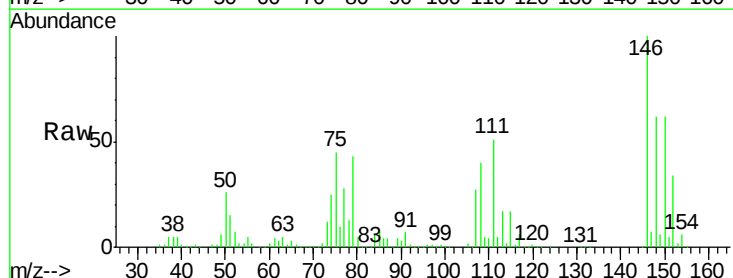
Instrument :
 BNA_F
 ClientSampleId :
 V001-BF014-01MSD

Tgt Ion:146 Resp: 724315
 Ion Ratio Lower Upper
 146 100
 148 64.3 52.1 78.1
 111 43.4 31.6 47.4



#14
 1,2-Dichlorobenzene
 Concen: 40.89 ng
 RT: 6.83 min Scan# 450
 Delta R.T. 0.00 min
 Lab File: BF091099.D
 Acq: 8 Nov 2016 23:07

Tgt Ion:146 Resp: 591009
 Ion Ratio Lower Upper
 146 100
 148 62.5 51.6 77.4
 111 51.4 37.3 55.9





#15

Benzyl Alcohol

Concen: 42.26 ng

RT: 6.82 min Scan# 449

Delta R.T. 0.00 min

Lab File: BF091099.D

Acq: 8 Nov 2016 23:07

Instrument :

BNA_F

ClientSampleId :

V001-BF014-01MSD

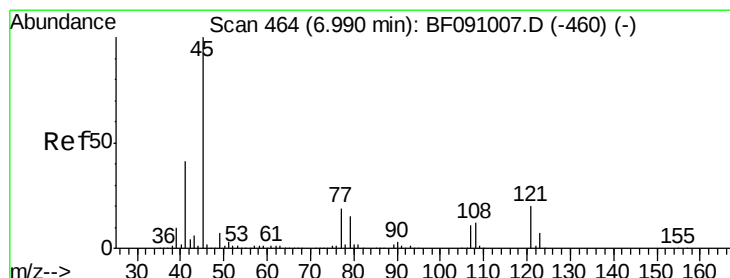
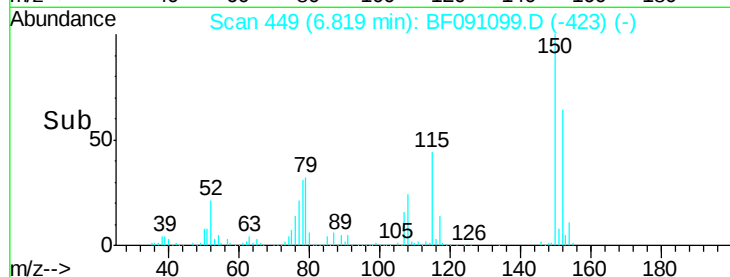
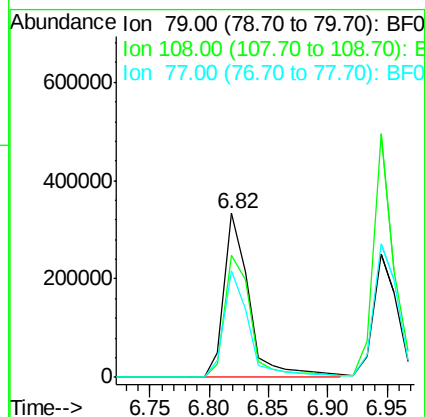
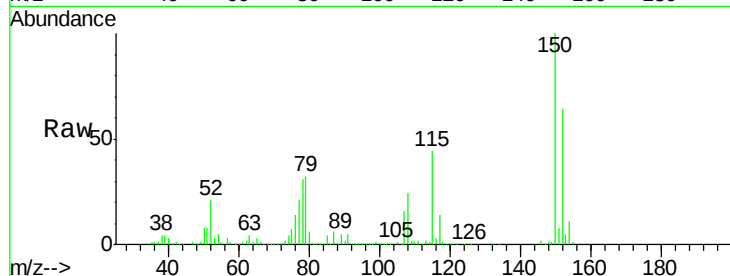
Tgt Ion: 79 Resp: 492176

Ion Ratio Lower Upper

79 100

108 74.7 55.7 83.5

77 65.5 52.6 79.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.58 ng

RT: 6.96 min Scan# 461

Delta R.T. 0.00 min

Lab File: BF091099.D

Acq: 8 Nov 2016 23:07

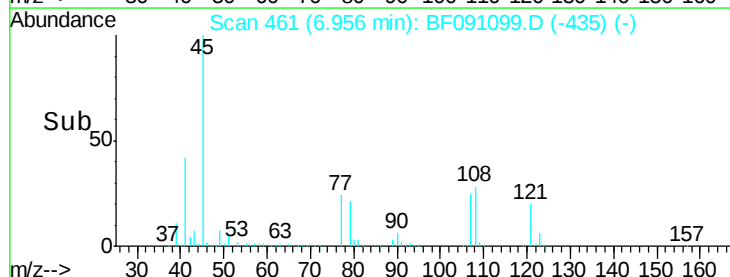
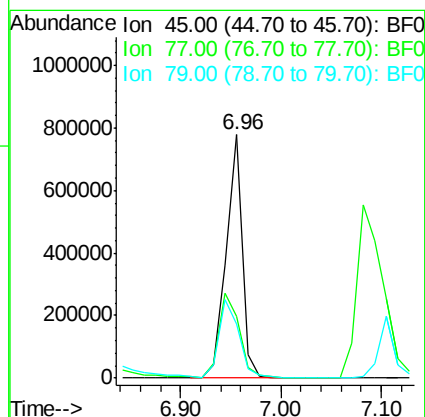
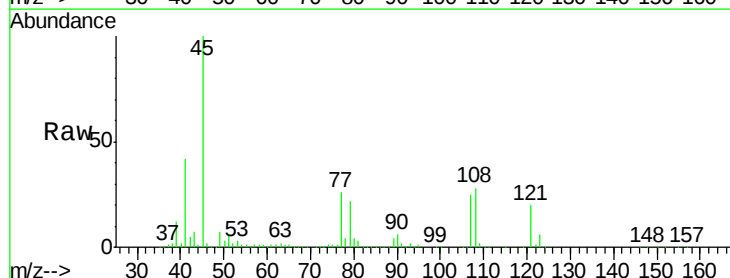
Tgt Ion: 45 Resp: 872865

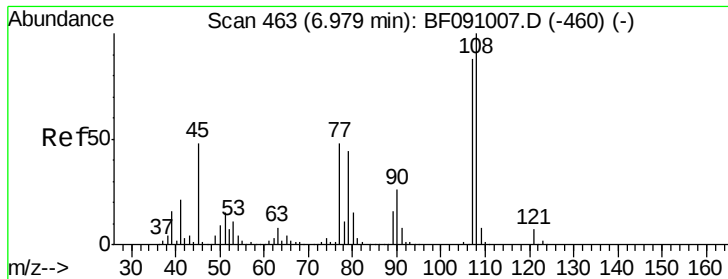
Ion Ratio Lower Upper

45 100

77 25.5 0.0 39.6

79 22.2 0.0 35.9





#17

2-Methylphenol

Concen: 45.25 ng

RT: 6.94 min Scan# 460

Delta R.T. 0.00 min

Lab File: BF091099.D

Acq: 8 Nov 2016 23:07

Instrument :

BNA_F

ClientSampleId :

V001-BF014-01MSD

Tgt Ion:107 Resp: 519803

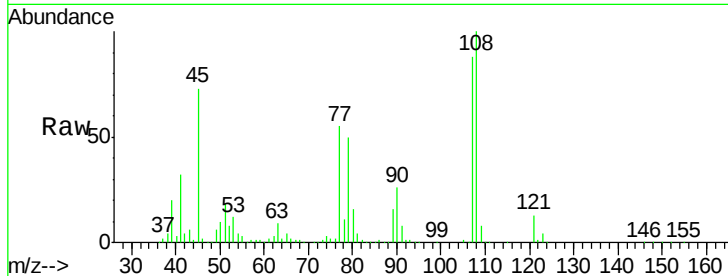
Ion Ratio Lower Upper

107 100

108 114.0 91.0 136.6

77 62.7 43.8 65.8

79 57.5 40.6 60.8

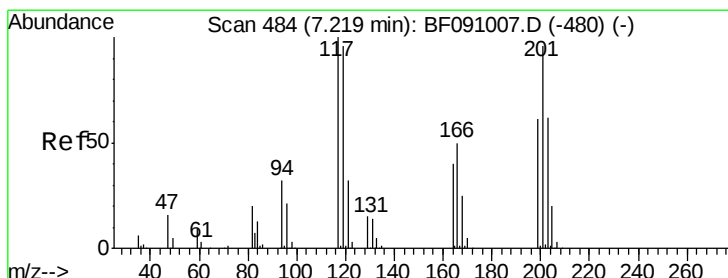
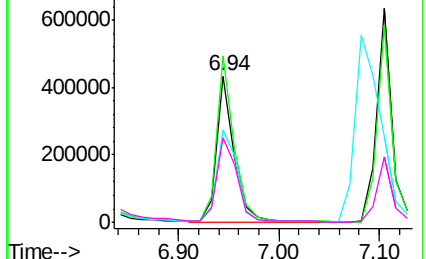
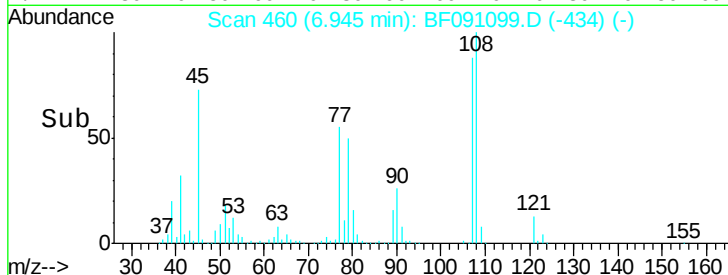


Abundance Ion 107.00 (106.70 to 107.70): E

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: 43.83 ng

RT: 7.17 min Scan# 480

Delta R.T. 0.00 min

Lab File: BF091099.D

Acq: 8 Nov 2016 23:07

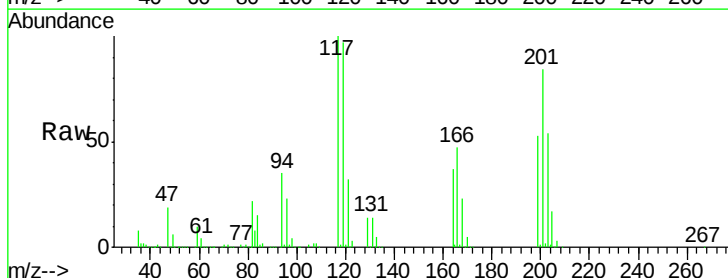
Tgt Ion:117 Resp: 267089

Ion Ratio Lower Upper

117 100

119 96.8 76.6 115.0

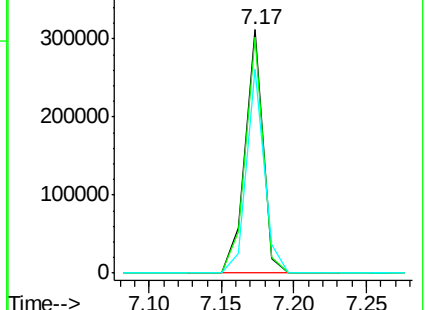
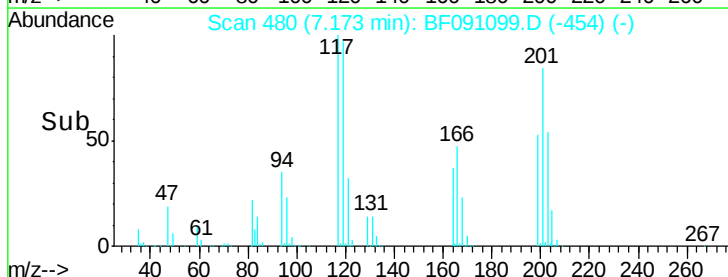
201 83.7 77.1 115.7

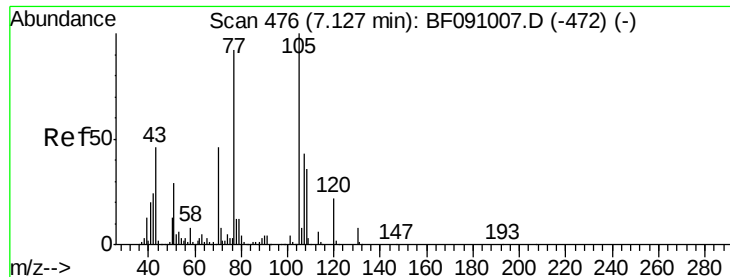


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

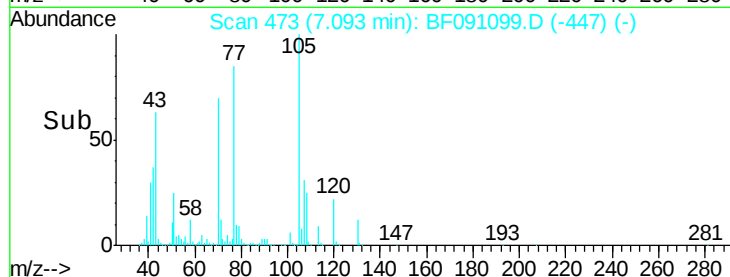
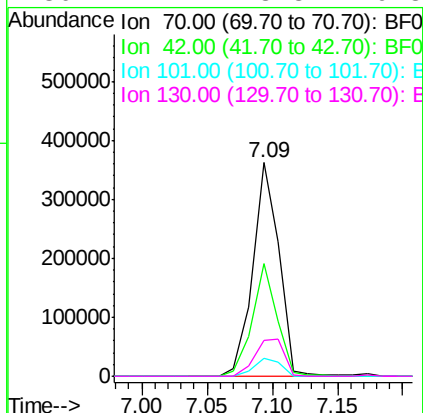
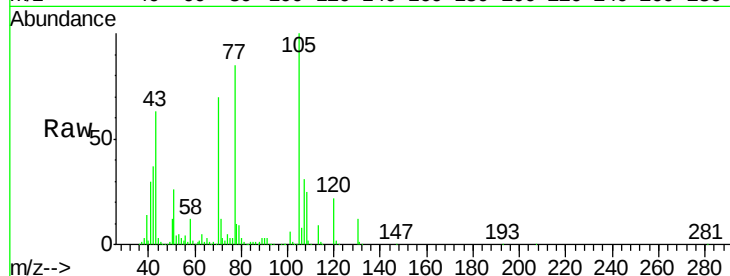




#19
n-Nitroso-di-n-propylamine
Concen: 44.06 ng
RT: 7.09 min Scan# 473
Delta R.T. 0.00 min
Lab File: BF091099.D
Acq: 8 Nov 2016 23:07

Instrument :
BNA_F
ClientSampleId :
V001-BF014-01MSD

Tgt Ion:	70	Resp:	504215
Ion	Ratio	Lower	Upper
70	100		
42	52.6	41.7	62.5
101	8.4	6.7	10.1
130	17.1	13.8	20.8



#20
3+4-Methylphenols
Concen: 49.74 ng
RT: 7.10 min Scan# 474
Delta R.T. 0.01 min
Lab File: BF091099.D
Acq: 8 Nov 2016 23:07

Tgt Ion:	107	Resp:	686118
Ion	Ratio	Lower	Upper
107	100		
108	92.1	75.5	115.5
77	40.3	26.4	66.4
79	30.9	11.1	51.1

