

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102716\
 Data File : BF090876.D
 Acq On : 27 Oct 2016 19:41
 Operator : UM/SJ
 Sample : PB94343BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB94343BS

Quant Time: Oct 28 01:02:00 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 27 18:46:43 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	141933	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	555099	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	298543	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	524922	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	400042	20.00	ng	-0.01
86) Perylene-d12	15.35	264	297702	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.38	112	1095927	135.00	ng	0.01
7) Phenol-d6	6.42	99	1259569	115.01	ng	0.00
23) Nitrobenzene-d5	7.34	82	806129	95.07	ng	-0.01
41) 2,4,6-Tribromophenol	10.61	330	450705	146.90	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1551196	91.24	ng	-0.01
78) Terphenyl-d14	12.89	244	1823047	114.81	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.38	88	162535	39.16	ng	# 73
3) Pyridine	3.07	79	405821	36.05	ng	# 65
4) n-Nitrosodimethylamine	3.02	42	132072	41.67	ng	# 55
6) Aniline	6.44	93	299902	23.97	ng	# 80
8) 2-Chlorophenol	6.56	128	415741	41.51	ng	95
9) Benzaldehyde	6.32	77	60151	10.63	ng	# 76
10) Phenol	6.43	94	525566	43.55	ng	# 66
11) bis(2-Chloroethyl)ether	6.51	93	418252	41.89	ng	90
12) 1,3-Dichlorobenzene	6.72	146	465281	45.42	ng	# 97
13) 1,4-Dichlorobenzene	6.78	146	472902	43.90	ng	# 88
14) 1,2-Dichlorobenzene	6.94	146	483248	46.80	ng	94
15) Benzyl Alcohol	6.92	79	349796	48.63	ng	# 77
16) 2,2'-oxybis(1-Chloropropan	7.06	45	514573	51.78	ng	70
17) 2-Methylphenol	7.04	107	352689	46.30	ng	# 83
18) Hexachloroethane	7.29	117	169525	43.24	ng	# 76
19) n-Nitroso-di-n-propylamine	7.20	70	289788	45.77	ng	# 68
20) 3+4-Methylphenols	7.20	107	410457	46.54	ng	# 77
22) Acetophenone	7.18	105	556033	48.69	ng	# 83
24) Nitrobenzene	7.36	77	387047	43.15	ng	# 71
25) Isophorone	7.60	82	789984	45.91	ng	# 89
26) 2-Nitrophenol	7.68	139	223196	46.45	ng	# 71
27) 2,4-Dimethylphenol	7.72	122	360349	46.32	ng	# 80
28) bis(2-Chloroethoxy)methane	7.81	93	469015	47.92	ng	# 93
29) 2,4-Dichlorophenol	7.93	162	351118	48.75	ng	98
30) 1,2,4-Trichlorobenzene	8.01	180	392424	47.15	ng	100
31) Naphthalene	8.09	128	1229855	47.40	ng	98
32) Benzoic acid	7.86	122	207169	36.68	ng	# 69
33) 4-Chloroaniline	8.14	127	112684	10.75	ng	# 95
34) Hexachlorobutadiene	8.20	225	213732	43.67	ng	99
35) Caprolactam	8.51	113	75341	33.70	ng	# 64
36) 4-Chloro-3-methylphenol	8.62	107	358616	45.78	ng	# 82
37) 2-Methylnaphthalene	8.77	142	768171	45.84	ng	# 90
39) 1,2,4,5-Tetrachlorobenzene	8.94	216	406539	49.64	ng	99
40) Hexachlorocyclopentadiene	8.93	237	448638	119.07	ng	97

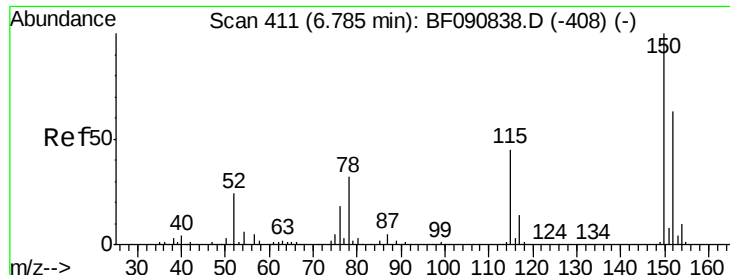
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.06	196	268904	50.86	ng	98
43) 2,4,5-Trichlorophenol	9.10	196	273374	50.20	ng	94
45) 1,1'-Biphenyl	9.24	154	1028947	47.85	ng	94
46) 2-Chloronaphthalene	9.26	162	810758	49.56	ng	93
47) 2-Nitroaniline	9.37	65	209680	45.43	ng	91
48) Acenaphthylene	9.68	152	1147853	46.35	ng	96
49) Dimethylphthalate	9.55	163	968807	48.57	ng	# 97
50) 2,6-Dinitrotoluene	9.61	165	220425	50.04	ng	# 90
51) Acenaphthene	9.85	154	799758	46.88	ng	89
52) 3-Nitroaniline	9.78	138	89007	18.98	ng	# 86
53) 2,4-Dinitrophenol	9.88	184	201849	87.04	ng	# 73
54) Dibenzofuran	10.02	168	1063325	48.30	ng	# 85
55) 4-Nitrophenol	9.95	139	308926	108.02	ng	# 81
56) 2,4-Dinitrotoluene	10.01	165	255964	46.77	ng	# 78
57) Fluorene	10.36	166	790343	43.83	ng	92
58) 2,3,4,6-Tetrachlorophenol	10.14	232	248606	51.12	ng	94
59) Diethylphthalate	10.25	149	949714	47.94	ng	98
60) 4-Chlorophenyl-phenylether	10.36	204	437363	49.69	ng	95
61) 4-Nitroaniline	10.40	138	197510	42.52	ng	# 72
62) Azobenzene	10.52	77	882846	45.32	ng	90
64) 4,6-Dinitro-2-methylphenol	10.42	198	144910	41.64	ng	# 77
65) n-Nitrosodiphenylamine	10.48	169	723164	44.97	ng	92
66) 4-Bromophenyl-phenylether	10.84	248	255934	44.52	ng	# 85
67) Hexachlorobenzene	10.91	284	308883	45.40	ng	# 88
68) Atrazine	11.01	200	271585	54.60	ng	86
69) Pentachlorophenol	11.10	266	309198	84.72	ng	99
70) Phenanthrene	11.32	178	1217729	45.55	ng	95
71) Anthracene	11.38	178	1384685	49.19	ng	98
72) Carbazole	11.53	167	1161430	46.72	ng	# 94
73) Di-n-butylphthalate	11.87	149	1580761	49.33	ng	# 98
74) Fluoranthene	12.51	202	1392562	47.57	ng	90
76) Benzidine	12.64	184	365303	41.82	ng	97
77) Pyrene	12.74	202	1404259	55.47	ng	96
79) Butylbenzylphthalate	13.37	149	617951	53.80	ng	# 87
80) Benzo(a)anthracene	13.93	228	1045705	49.25	ng	96
81) 3,3'-Dichlorobenzidine	13.89	252	216989	26.33	ng	# 93
82) Chrysene	13.96	228	1103830	51.40	ng	94
83) Bis(2-ethylhexyl)phthalate	13.93	149	797400	53.31	ng	97
84) Di-n-octyl phthalate	14.53	149	1200051	47.78	ng	# 86
85) Indeno(1,2,3-cd)pyrene	16.69	276	932533	49.00	ng	# 90
87) Benzo(b)fluoranthene	14.95	252	1703951	85.12	ng	# 87
88) Benzo(k)fluoranthene	14.95	252	1706456	107.87	ng	# 88
89) Benzo(a)pyrene	15.29	252	808986	47.03	ng	# 85
90) Dibenzo(a,h)anthracene	16.72	278	785598	53.95	ng	# 81
91) Benzo(g,h,i)perylene	17.11	276	772841	56.35	ng	# 78

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

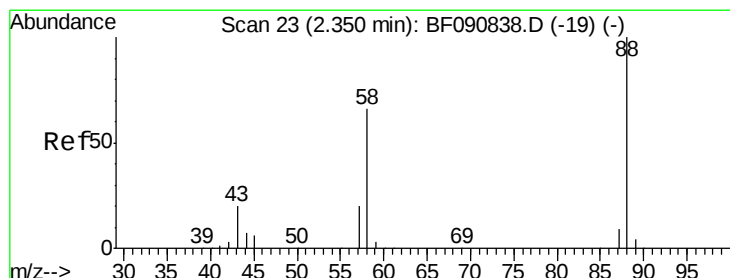
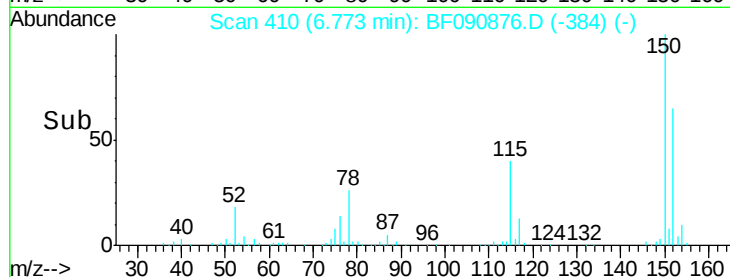
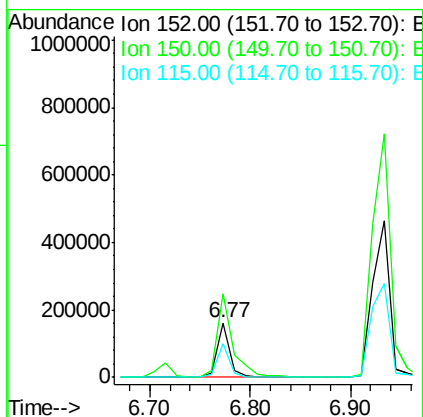
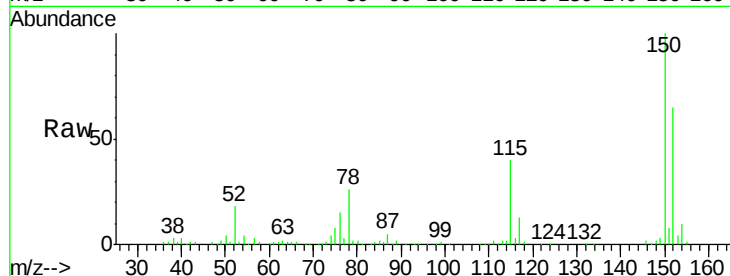


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 410
Delta R.T. 0.00 min
Lab File: BF090876.D
Acq: 27 Oct 2016 19:41

Instrument :
BNA_F
ClientSampleId :
PB94343BS

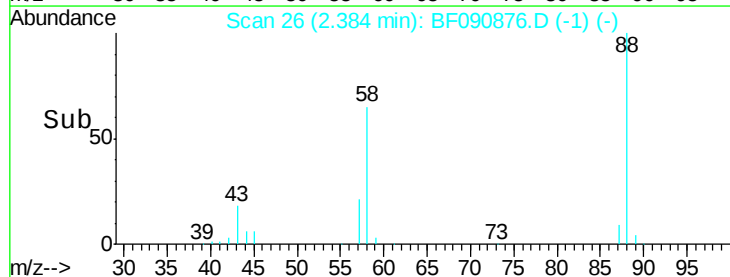
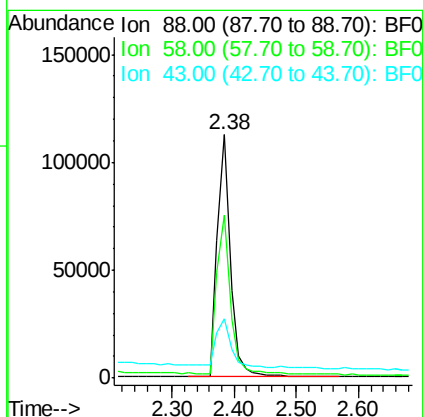
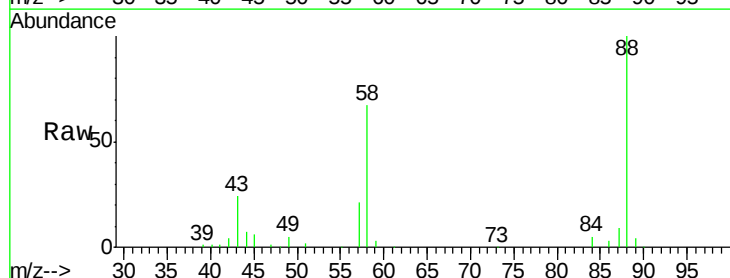
Tgt Ion:152 Resp: 141933
Ion Ratio Lower Upper
152 100
150 154.3 124.7 187.1
115 61.7 39.0 58.4#

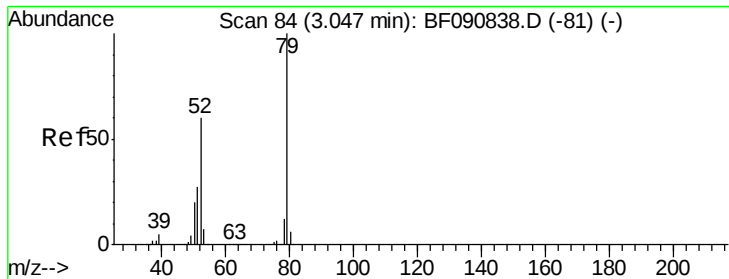


#2

1,4-Dioxane
Concen: 39.16 ng
RT: 2.38 min Scan# 26
Delta R.T. 0.06 min
Lab File: BF090876.D
Acq: 27 Oct 2016 19:41

Tgt Ion: 88 Resp: 162535
Ion Ratio Lower Upper
88 100
58 67.7 77.7 116.5#
43 22.0 26.6 40.0#





#3

Pyridine

Concen: 36.05 ng

RT: 3.07 min Scan# 86

Delta R.T. 0.06 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

Instrument :

BNA_F

ClientSampleId :

PB94343BS

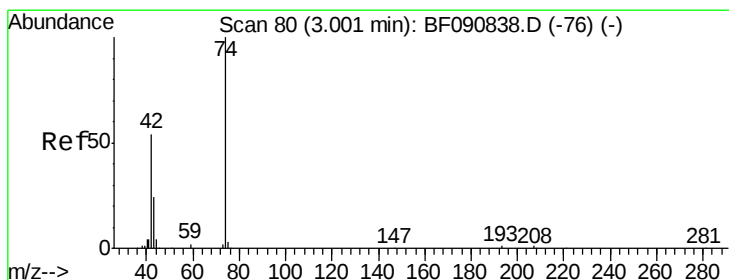
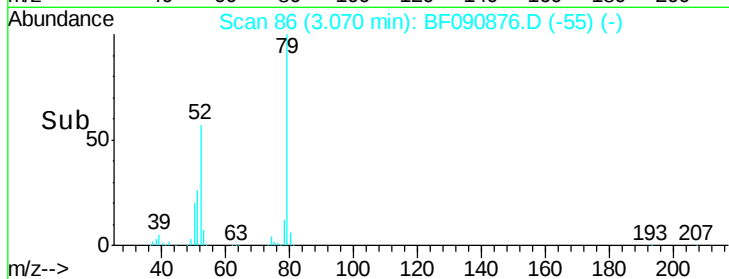
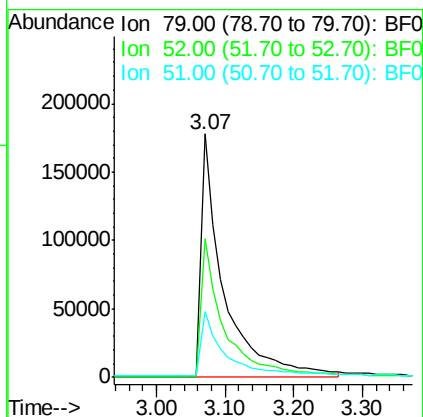
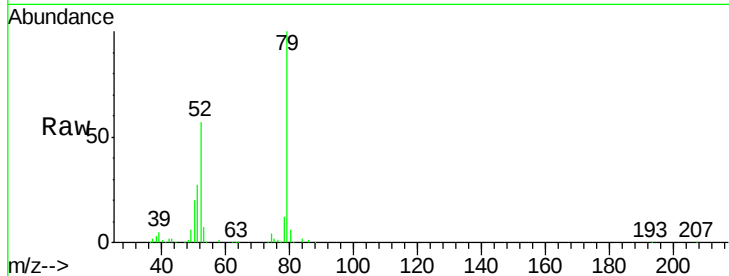
Tgt Ion: 79 Resp: 405821

Ion Ratio Lower Upper

79 100

52 56.7 76.8 115.2#

51 26.8 32.2 48.4#



#4

n-Nitrosodimethylamine

Concen: 41.67 ng

RT: 3.02 min Scan# 82

Delta R.T. 0.05 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

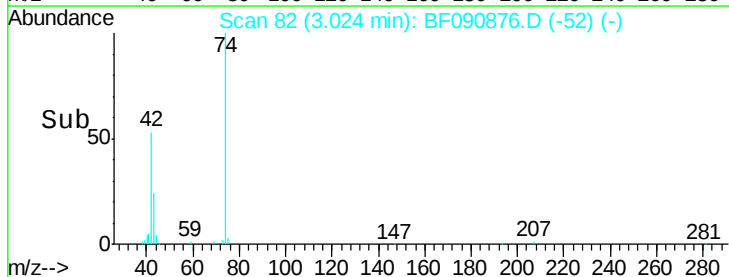
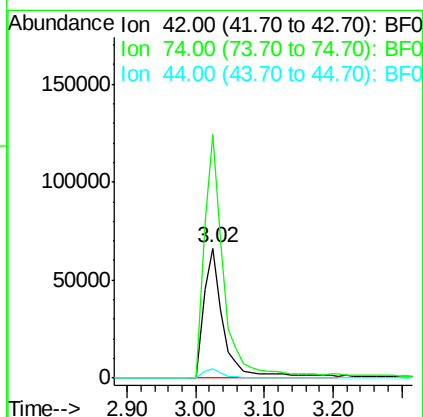
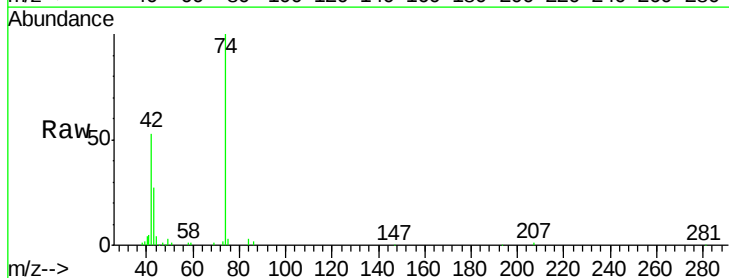
Tgt Ion: 42 Resp: 132072

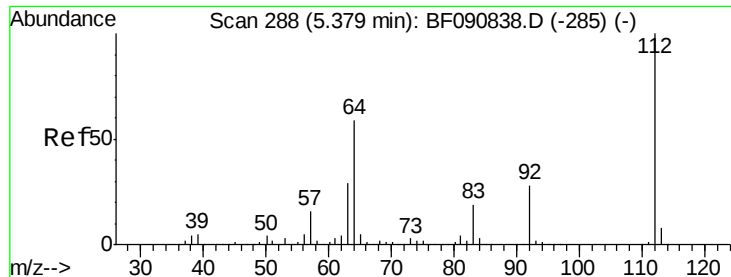
Ion Ratio Lower Upper

42 100

74 187.5 105.0 157.6#

44 7.0 6.6 10.0





#5

2-Fluorophenol

Concen: 135.00 ng

RT: 5.38 min Scan# 288

Delta R.T. 0.01 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

Instrument :

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ClientSampleId :

PB94343BS

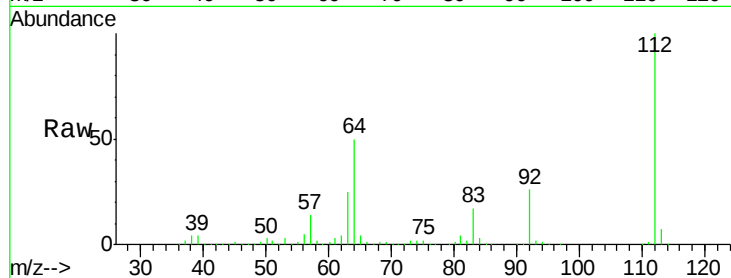
Tgt Ion: 112 Resp: 1095927

Ion Ratio Lower Upper

112 100

64 50.0 39.7 59.5

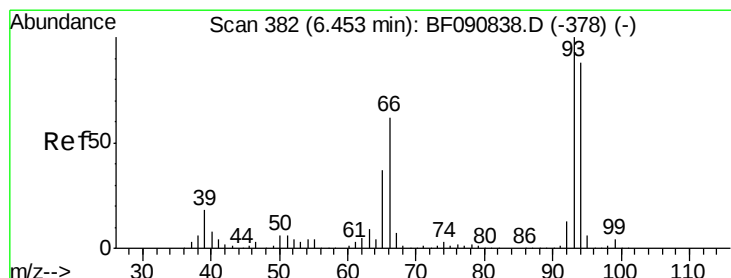
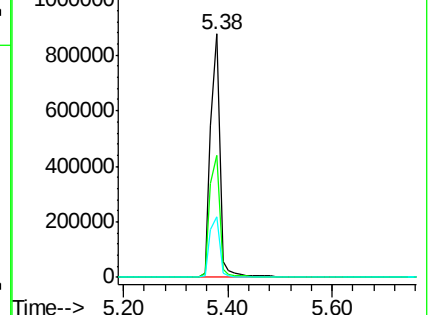
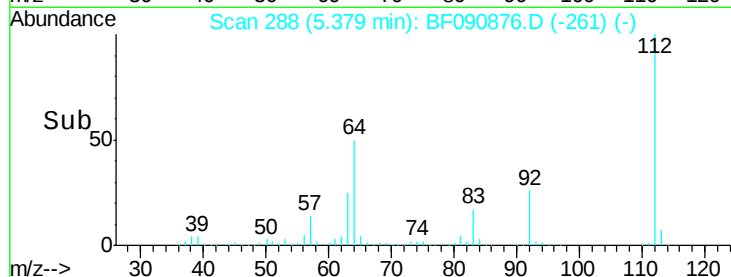
63 24.9 17.4 26.0



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: 23.97 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

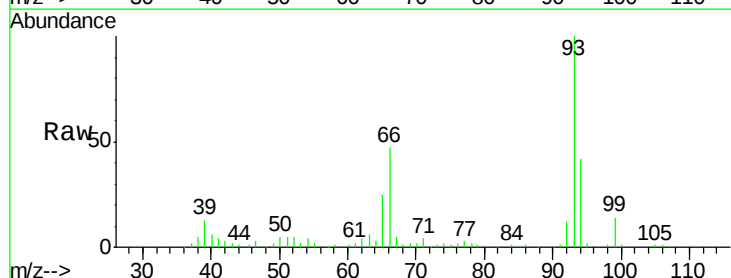
Tgt Ion: 93 Resp: 299902

Ion Ratio Lower Upper

93 100

66 47.0 27.2 40.8#

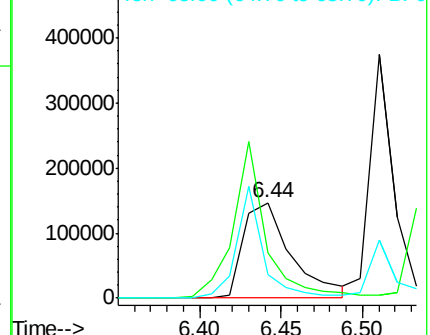
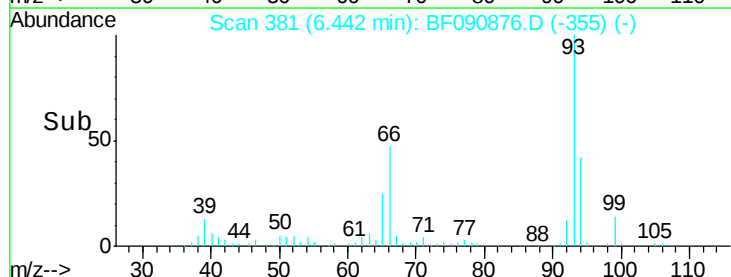
65 25.2 14.7 22.1#

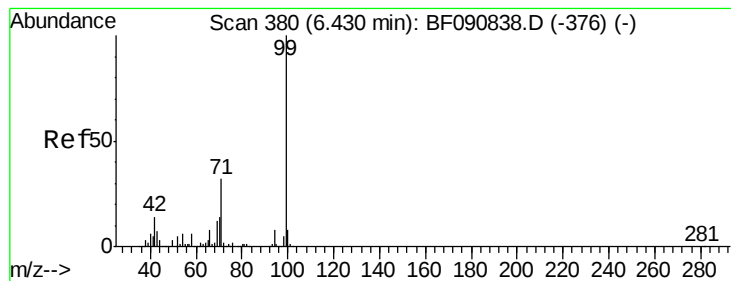


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 115.01 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

Instrument :

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ClientSampleId :

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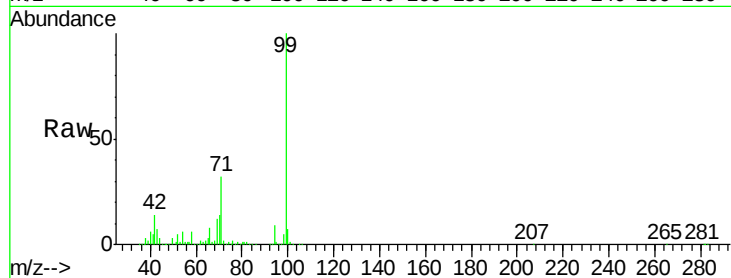
Tgt Ion: 99 Resp: 1259569

Ion Ratio Lower Upper

99 100

42 14.2 13.7 20.5

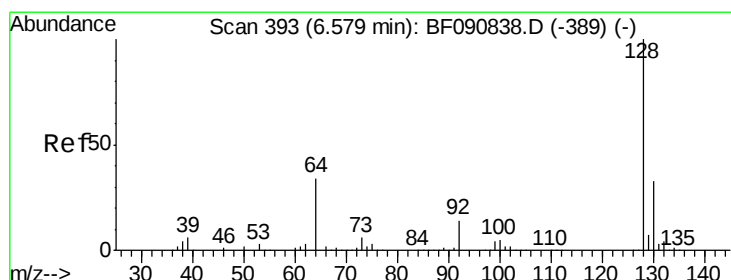
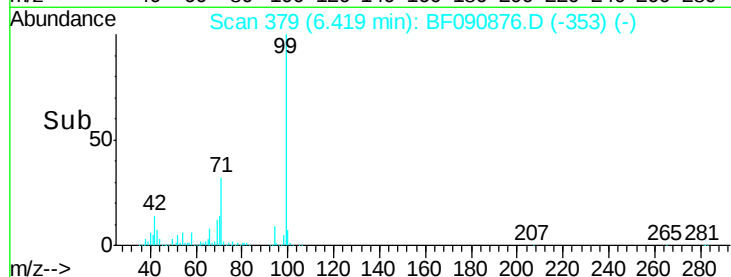
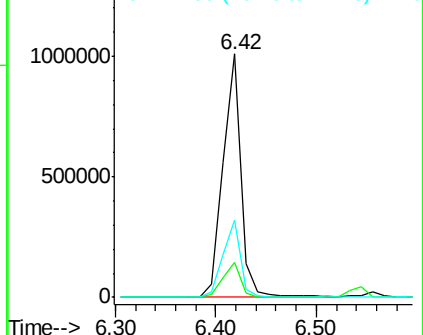
71 31.7 14.2 21.2#



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: 41.51 ng

RT: 6.56 min Scan# 391

Delta R.T. -0.01 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

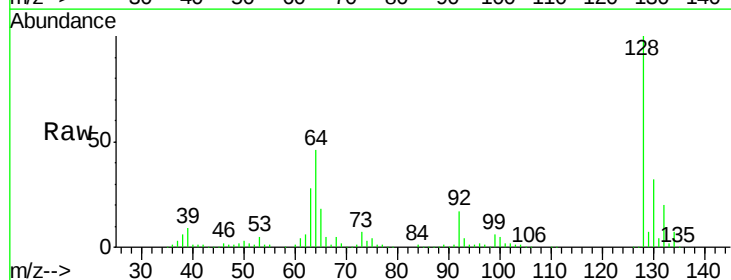
Tgt Ion: 128 Resp: 415741

Ion Ratio Lower Upper

128 100

130 32.1 12.2 52.2

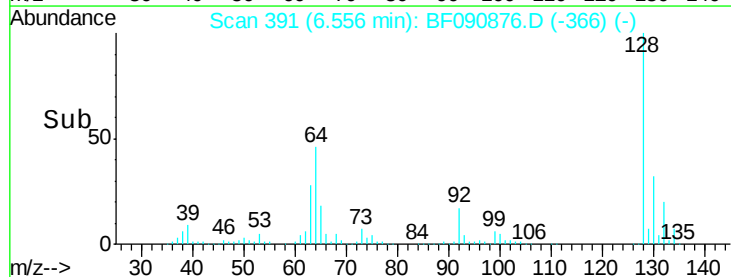
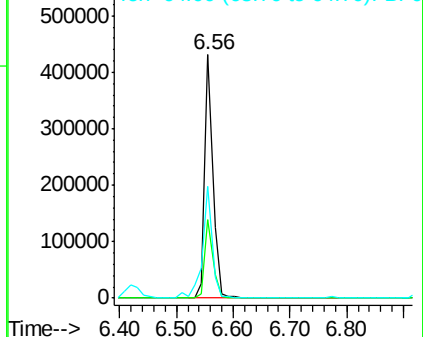
64 45.9 20.5 60.5

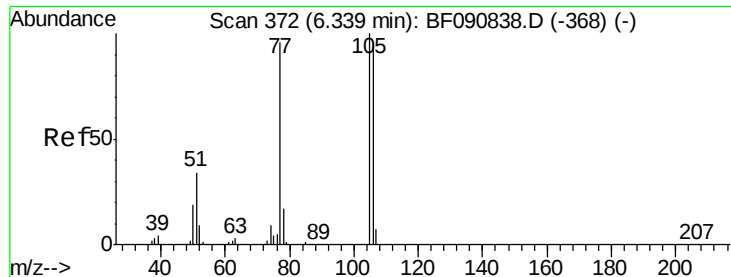


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 10.63 ng

RT: 6.32 min Scan# 370

Delta R.T. 0.00 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

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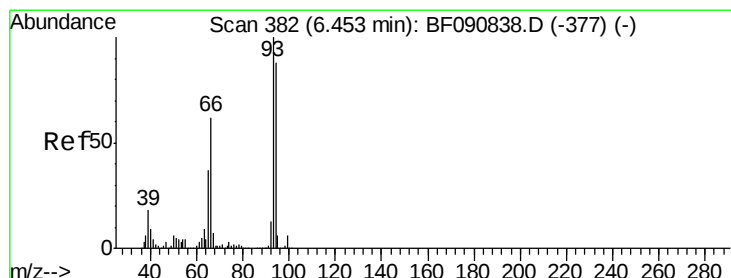
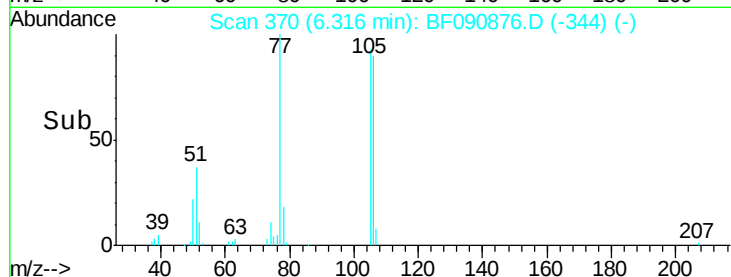
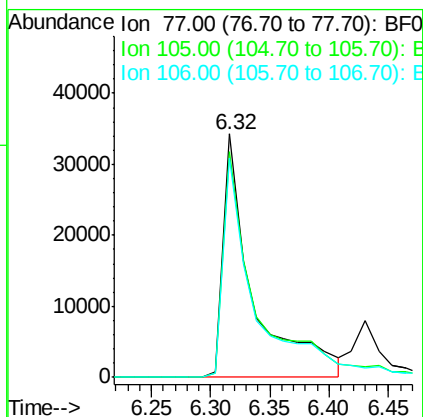
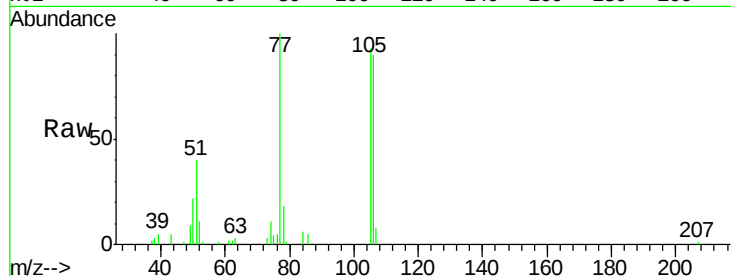
Tgt Ion: 77 Resp: 60151

Ion Ratio Lower Upper

77 100

105 92.9 91.6 131.6

106 89.8 102.6 142.6#



#10

Phenol

Concen: 43.55 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

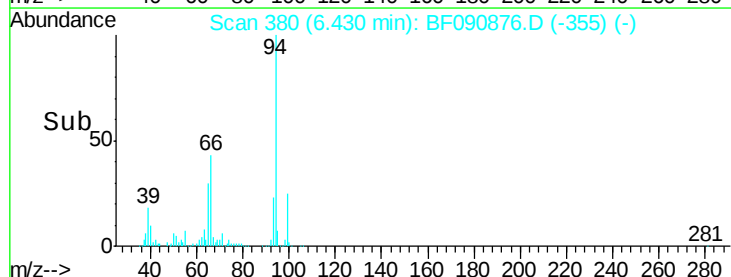
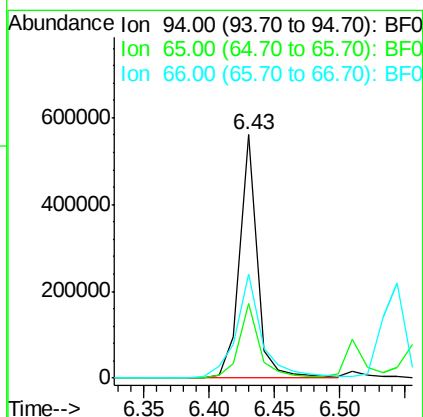
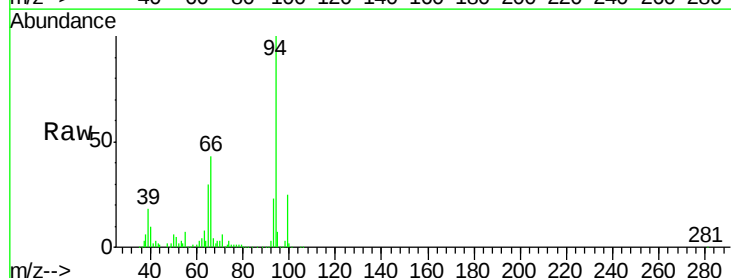
Tgt Ion: 94 Resp: 525566

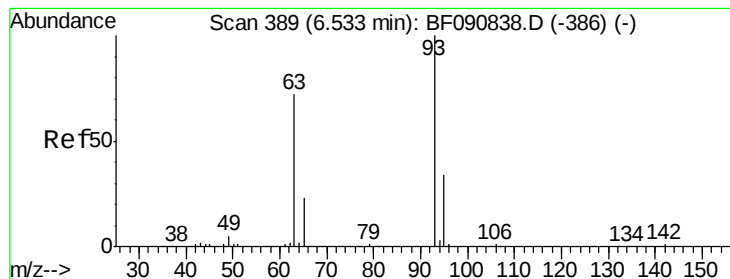
Ion Ratio Lower Upper

94 100

65 30.5 0.7 40.7

66 42.9 0.8 40.8#





#11

bis(2-Chloroethyl)ether

Concen: 41.89 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

Instrument :

BNA_F

ClientSampleId :

PB94343BS

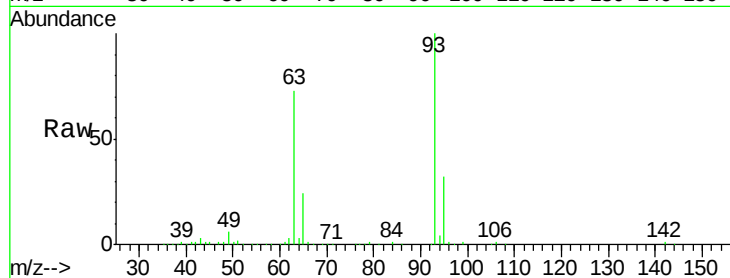
Tgt Ion: 93 Resp: 418252

Ion Ratio Lower Upper

93 100

63 73.2 65.6 105.6

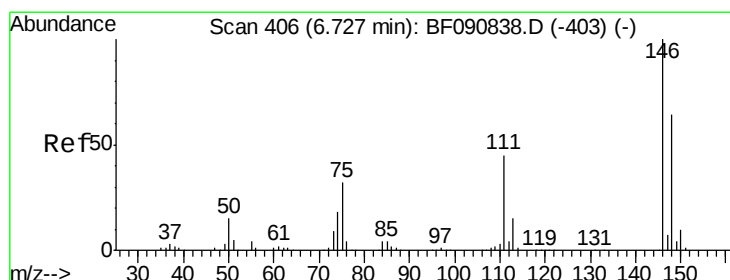
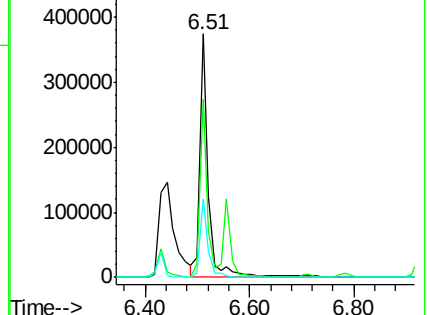
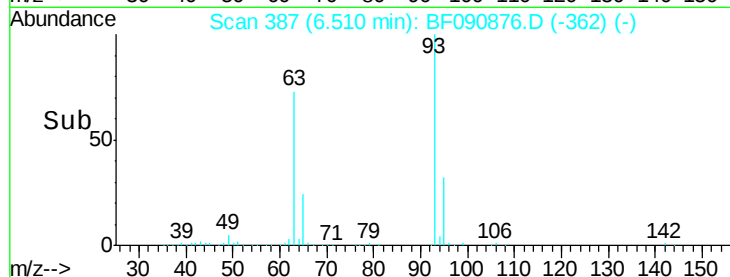
95 32.1 13.6 53.6



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: 45.42 ng

RT: 6.72 min Scan# 405

Delta R.T. 0.00 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

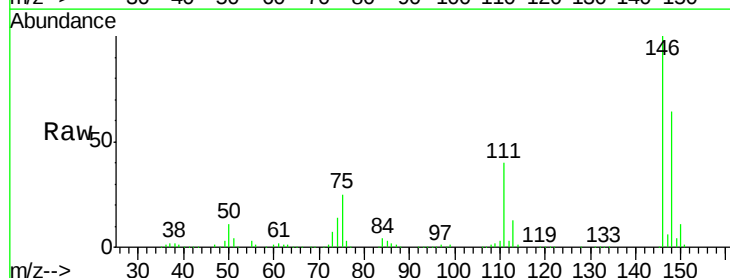
Tgt Ion: 146 Resp: 465281

Ion Ratio Lower Upper

146 100

148 64.1 51.0 76.4

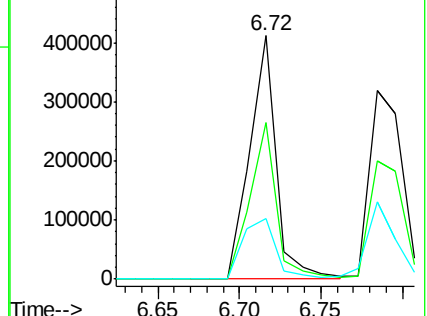
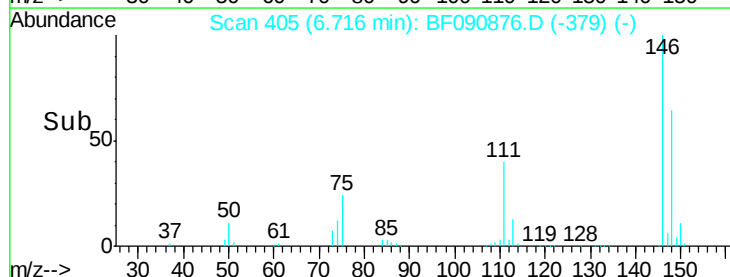
75 24.9 15.0 22.6#

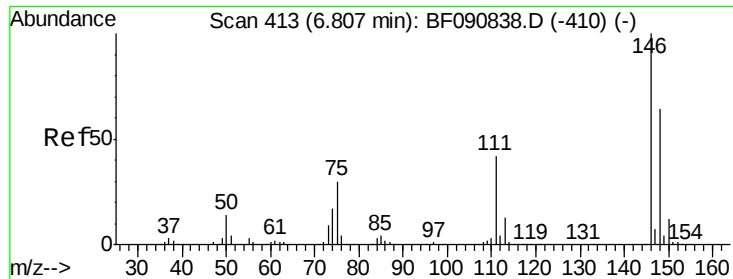


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

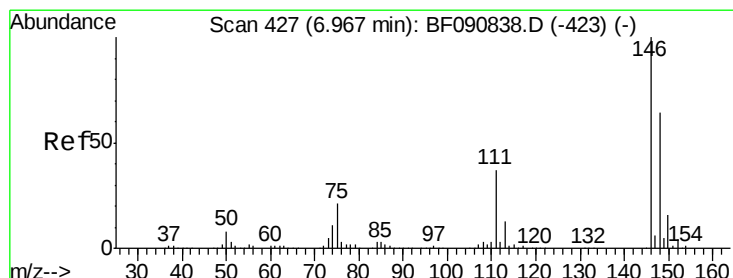
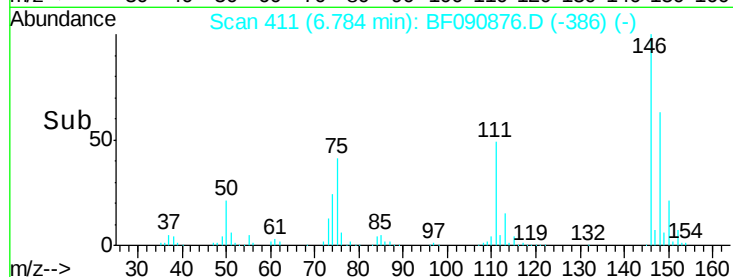
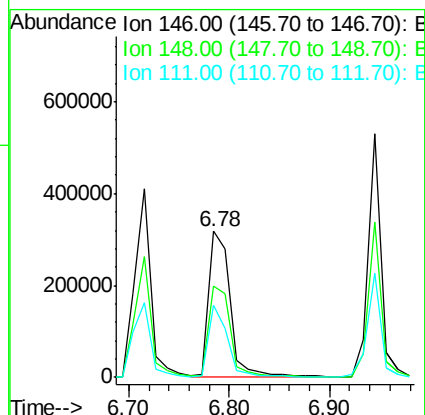
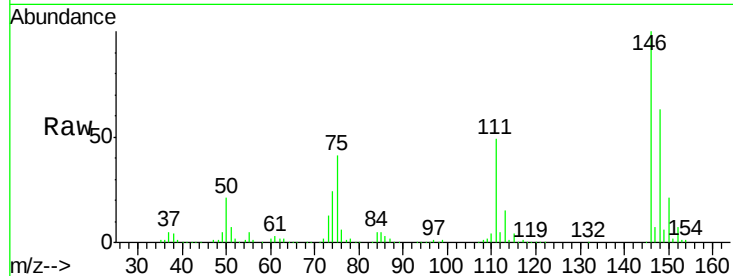




#13
 1,4-Dichlorobenzene
 Concen: 43.90 ng
 RT: 6.78 min Scan# 411
 Delta R.T. -0.01 min
 Lab File: BF090876.D
 Acq: 27 Oct 2016 19:41

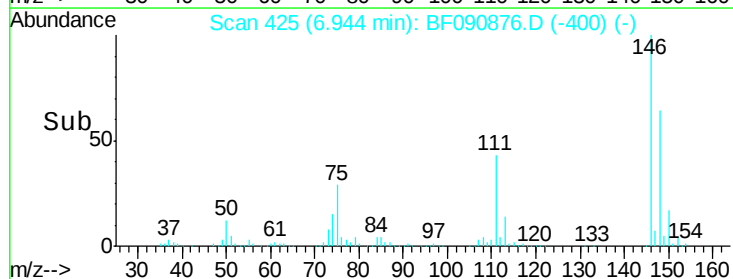
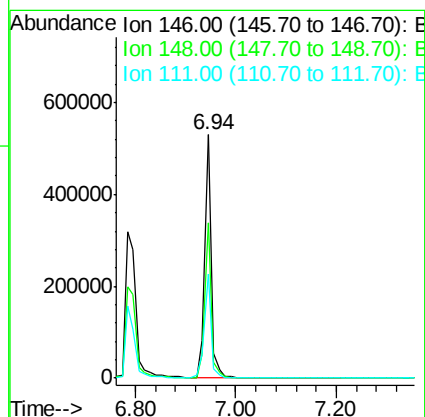
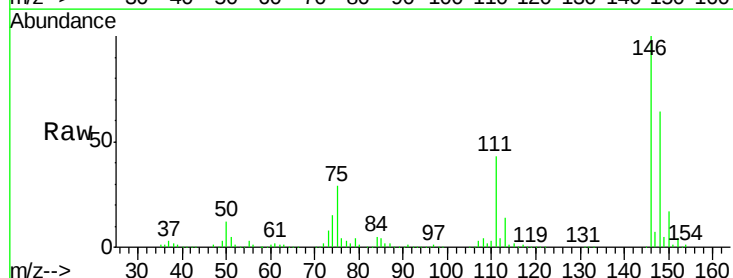
Instrument :
 BNA_F
 ClientSampleId :
 PB94343BS

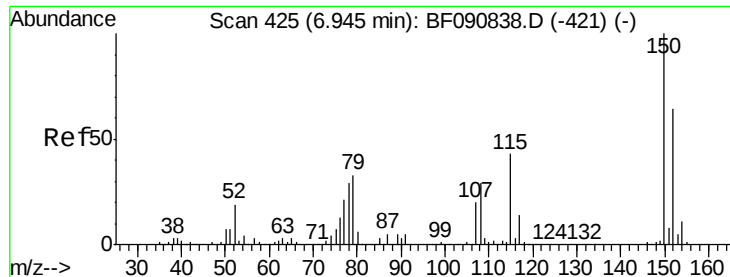
Tgt Ion:146 Resp: 472902
 Ion Ratio Lower Upper
 146 100
 148 62.8 51.8 77.6
 111 49.3 24.9 37.3#



#14
 1,2-Dichlorobenzene
 Concen: 46.80 ng
 RT: 6.94 min Scan# 425
 Delta R.T. -0.01 min
 Lab File: BF090876.D
 Acq: 27 Oct 2016 19:41

Tgt Ion:146 Resp: 483248
 Ion Ratio Lower Upper
 146 100
 148 64.0 52.7 79.1
 111 42.7 28.8 43.2

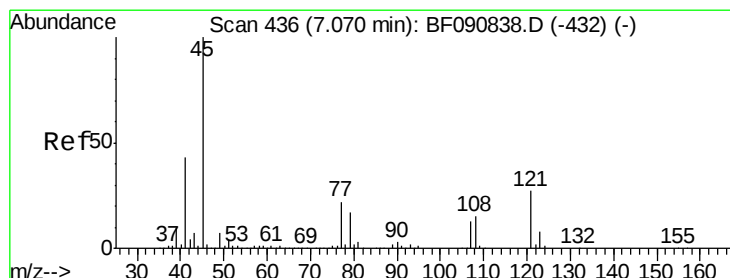
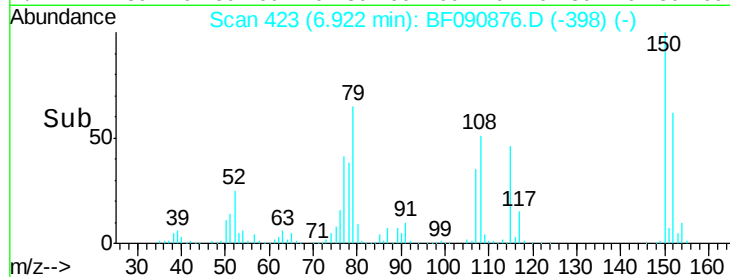
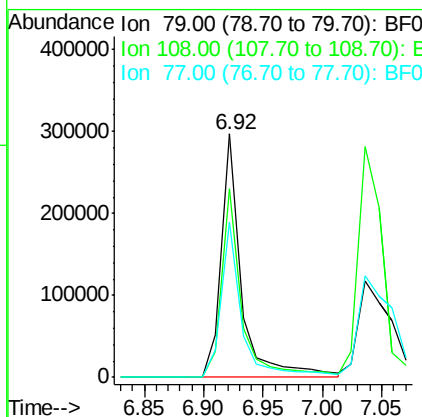
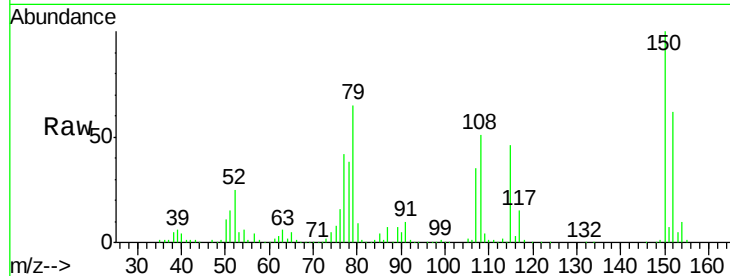




#15
Benzyl Alcohol
Concen: 48.63 ng
RT: 6.92 min Scan# 423
Delta R.T. -0.01 min
Lab File: BF090876.D
Acq: 27 Oct 2016 19:41

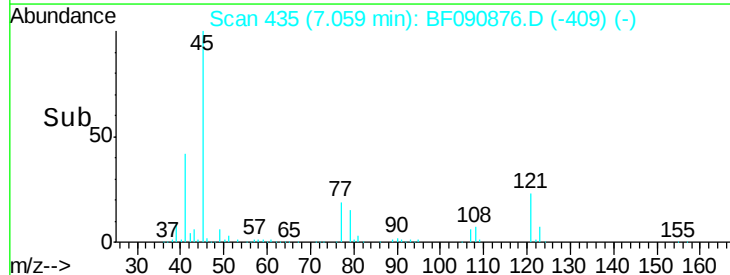
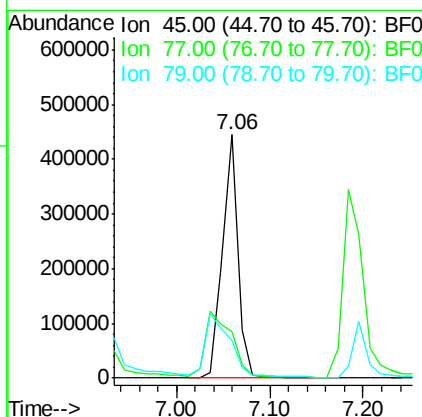
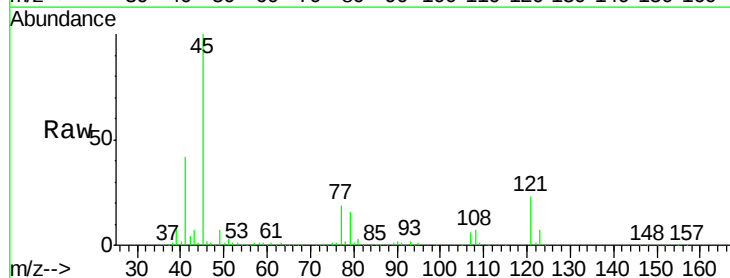
Instrument :
BNA_F
ClientSampleId :
PB94343BS

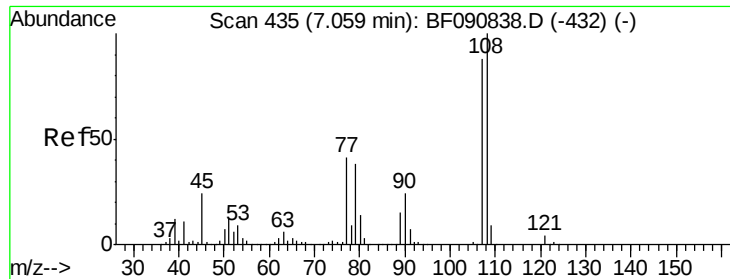
Tgt Ion: 79 Resp: 349796
Ion Ratio Lower Upper
79 100
108 77.6 88.6 132.8#
77 63.6 47.0 70.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.78 ng
RT: 7.06 min Scan# 435
Delta R.T. -0.00 min
Lab File: BF090876.D
Acq: 27 Oct 2016 19:41

Tgt Ion: 45 Resp: 514573
Ion Ratio Lower Upper
45 100
77 19.1 0.0 28.1
79 15.6 0.0 26.0

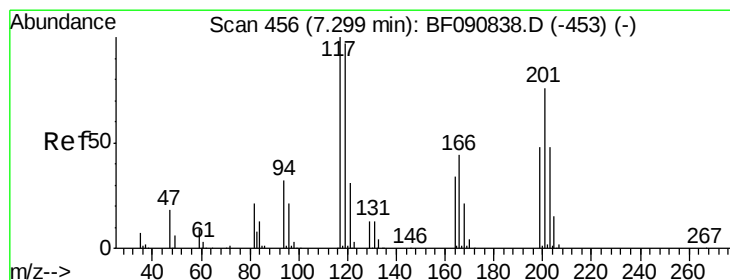
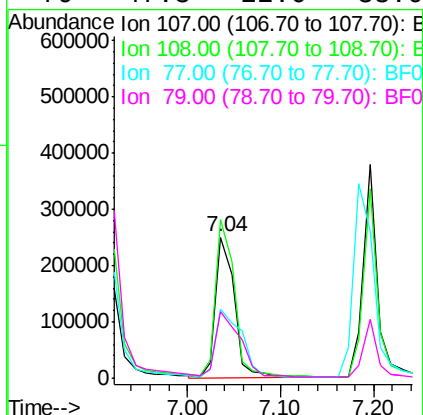
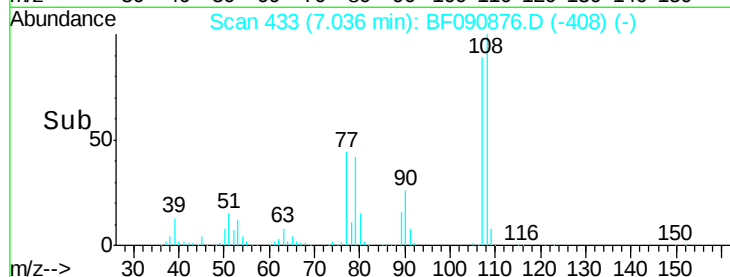
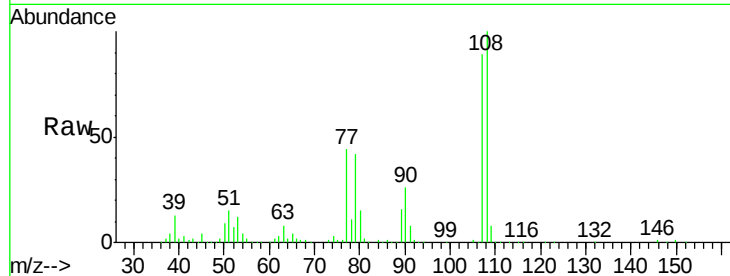




#17
2-Methylphenol
Concen: 46.30 ng
RT: 7.04 min Scan# 433
Delta R.T. -0.01 min
Lab File: BF090876.D
Acq: 27 Oct 2016 19:41

Instrument :
BNA_F
ClientSampleId :
PB94343BS

Tgt Ion	Ratio	Lower	Upper
107	100		
108	112.6	96.6	145.0
77	49.4	23.3	34.9#
79	47.3	22.0	33.0#



#18
Hexachloroethane
Concen: 43.24 ng
RT: 7.29 min Scan# 455
Delta R.T. 0.00 min
Lab File: BF090876.D
Acq: 27 Oct 2016 19:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	83.8	125.6
201	108.6	55.1	82.7#

