

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123115\
 Data File : BF084202.D
 Acq On : 31 Dec 2015 18:40
 Operator : UM/SJ
 Sample : G4825-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER2016-01

Quant Time: Jan 01 23:23:30 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 31 14:15:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	302297	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	1222251	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	573257	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	1099540	20.00	ng	0.00
75) Chrysene-d12	14.05	240	793713	20.00	ng	-0.01
86) Perylene-d12	15.49	264	582581	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1785544	95.54	ng	0.01
7) Phenol-d6	6.52	99	2214098	94.33	ng	-0.01
23) Nitrobenzene-d5	7.46	82	1384749	63.05	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	543432	93.90	ng	-0.01
44) 2-Fluorobiphenyl	9.26	172	2367154	71.65	ng	0.00
78) Terphenyl-d14	13.01	244	2282361	64.19	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.60	88	44262	5.00	ng	# 67
3) Pyridine	3.38	79	109628	4.44	ng	# 74
4) n-Nitrosodimethylamine	3.26	42	62633	4.94	ng	# 81
6) Aniline	6.56	93	135037	3.93	ng	# 79
8) 2-Chlorophenol	6.68	128	133945	6.32	ng	97
9) Benzaldehyde	6.44	77	108292	7.09	ng	94
10) Phenol	6.53	94	130813	4.90	ng	79
11) bis(2-Chloroethyl)ether	6.64	93	121911	5.90	ng	89
12) 1,3-Dichlorobenzene	6.84	146	131776	6.02	ng	96
13) 1,4-Dichlorobenzene	6.84	146	131776	6.01	ng	91
14) 1,2-Dichlorobenzene	7.07	146	128633	6.12	ng	98
15) Benzyl Alcohol	7.04	79	127711	6.47	ng	92
16) 2,2'-oxybis(1-Chloropropan	7.18	45	219714	5.84	ng	85
17) 2-Methylphenol	7.15	107	104224	5.86	ng	96
18) Hexachloroethane	7.41	117	47198	5.38	ng	94
19) n-Nitroso-di-n-propylamine	7.31	70	94074	5.92	ng	# 75
20) 3+4-Methylphenols	7.30	107	132891	6.36	ng	# 76
22) Acetophenone	7.30	105	177824	6.05	ng	# 76
24) Nitrobenzene	7.48	77	131346	5.90	ng	91
25) Isophorone	7.72	82	239304	5.70	ng	# 93
26) 2-Nitrophenol	7.80	139	51941	5.12	ng	97
27) 2,4-Dimethylphenol	7.84	122	121304	5.91	ng	88
28) bis(2-Chloroethoxy)methane	7.94	93	142000	5.53	ng	97
29) 2,4-Dichlorophenol	8.04	162	96675	5.66	ng	93
30) 1,2,4-Trichlorobenzene	8.12	180	104497	5.92	ng	95
31) Naphthalene	8.20	128	341851	6.16	ng	99
32) Benzoic acid	7.88	122	27916	8.09	ng	91
33) 4-Chloroaniline	8.25	127	120663	4.75	ng	96
34) Hexachlorobutadiene	8.33	225	59834	5.90	ng	99
35) Caprolactam	8.58	113	30881	5.36	ng	# 42
36) 4-Chloro-3-methylphenol	8.73	107	117907	6.16	ng	99
37) 2-Methylnaphthalene	8.90	142	258705	6.50	ng	97
39) 1,2,4,5-Tetrachlorobenzene	9.06	216	96473	5.85	ng	98
40) Hexachlorocyclopentadiene	9.06	237	51839	5.21	ng	95

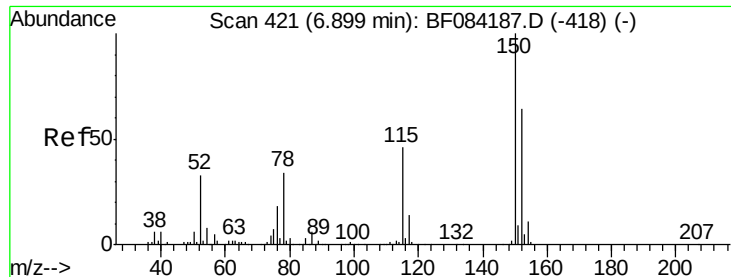
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123115\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.17	196	65143	5.28	ng	94
43) 2,4,5-Trichlorophenol	9.21	196	70110	5.93	ng #	89
45) 1,1'-Biphenyl	9.37	154	286013	6.28	ng	93
46) 2-Chloronaphthalene	9.39	162	220609	6.16	ng #	86
47) 2-Nitroaniline	9.47	65	58342	4.94	ng #	81
48) Acenaphthylene	9.80	152	351589	6.65	ng	98
49) Dimethylphthalate	9.65	163	238619	5.82	ng #	89
50) 2,6-Dinitrotoluene	9.72	165	50148	5.58	ng	95
51) Acenaphthene	9.97	154	227183	6.41	ng	98
52) 3-Nitroaniline	9.88	138	59013	5.30	ng	98
53) 2,4-Dinitrophenol	9.98	184	5449	4.92	ng #	1
54) Dibenzofuran	10.14	168	325212	4.40	ng	99
55) 4-Nitrophenol	10.03	139	36825	4.55	ng #	73
56) 2,4-Dinitrotoluene	10.12	165	57361	5.04	ng #	70
57) Fluorene	10.49	166	252236	4.98	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.26	232	62802	6.22	ng #	85
59) Diethylphthalate	10.36	149	283830	7.02	ng	99
60) 4-Chlorophenyl-phenylether	10.49	204	112234	Below Cal	ng #	83
61) 4-Nitroaniline	10.49	138	52631	5.30	ng	94
62) Azobenzene	10.64	77	250744	5.66	ng	83
64) 4,6-Dinitro-2-methylphenol	10.52	198	15836	8.14	ng	85
65) n-Nitrosodiphenylamine	10.60	169	211429	6.01	ng	94
66) 4-Bromophenyl-phenylether	10.97	248	66336	5.61	ng #	67
67) Hexachlorobenzene	11.04	284	77644	5.83	ng #	89
68) Atrazine	11.12	200	66113	5.75	ng	96
69) Pentachlorophenol	11.22	266	18764	2.72	ng	93
70) Phenanthrene	11.45	178	390090	6.78	ng	99
71) Anthracene	11.49	178	369280	6.55	ng	100
72) Carbazole	11.65	167	327981	5.95	ng	98
73) Di-n-butylphthalate	12.00	149	379556	2.55	ng	99
74) Fluoranthene	12.64	202	362075	6.03	ng	93
76) Benzidine	12.75	184	76919	2.70	ng	98
77) Pyrene	12.87	202	377108	6.05	ng	98
79) Butylbenzylphthalate	13.48	149	143273	5.32	ng #	75
80) Benzo(a)anthracene	14.04	228	280690	6.02	ng	98
81) 3,3'-Dichlorobenzidine	14.01	252	48633	2.99	ng #	94
82) Chrysene	14.09	228	257871	5.76	ng	99
83) Bis(2-ethylhexyl)phthalate	14.05	149	205233	6.03	ng #	97
84) Di-n-octyl phthalate	14.66	149	302263	5.26	ng #	87
85) Indeno(1,2,3-cd)pyrene	16.91	276	191490	5.39	ng	98
87) Benzo(b)fluoranthene	15.08	252	216002	5.67	ng	98
88) Benzo(k)fluoranthene	15.08	252	216002	6.93	ng #	94
89) Benzo(a)pyrene	15.44	252	183277	5.67	ng	99
90) Dibenzo(a,h)anthracene	16.93	278	163825	5.89	ng #	94
91) Benzo(g,h,i)perylene	17.33	276	159975	5.55	ng	98

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

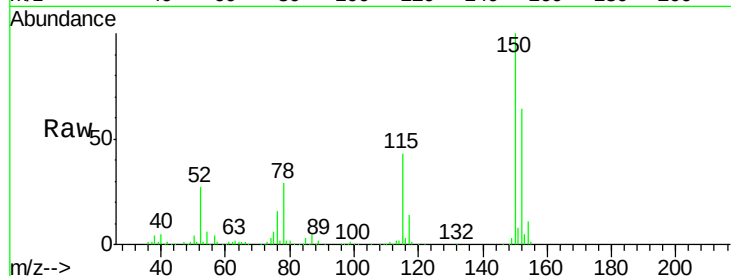


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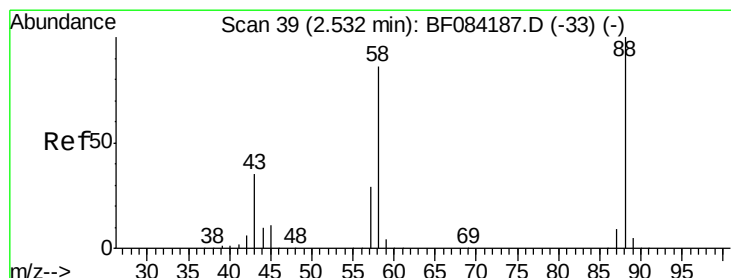
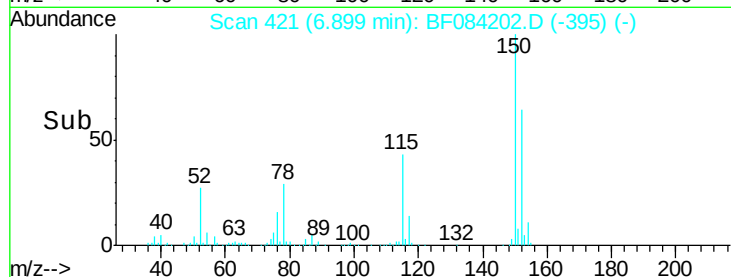
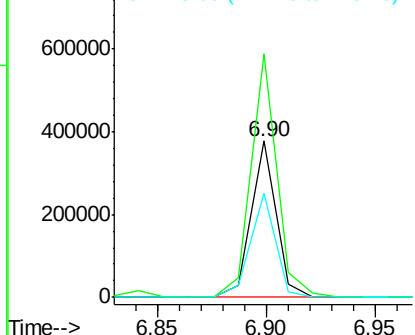
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. 0.00 min
Lab File: BF084202.D
Acq: 31 Dec 2015 18:40

Instrument :
BNA_F
ClientSampleId :
LOD-WATER2016-01

Tgt Ion:152 Resp: 302297
Ion Ratio Lower Upper
152 100
150 155.7 123.0 184.4
115 66.4 51.4 77.2



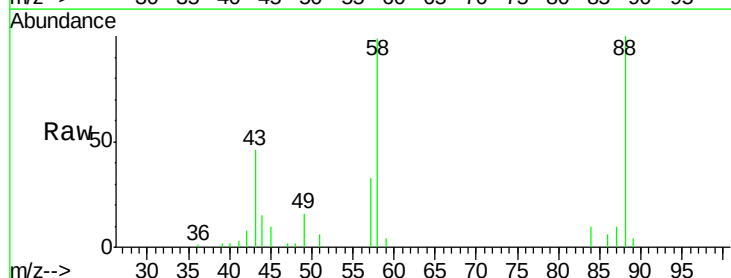
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



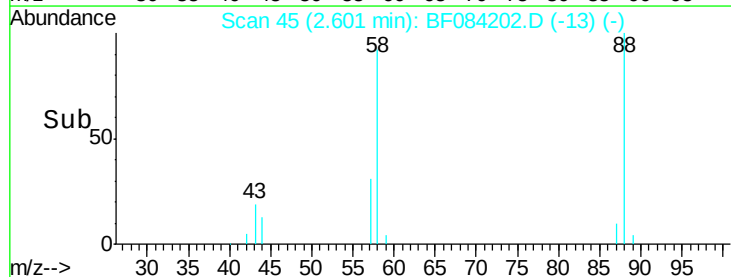
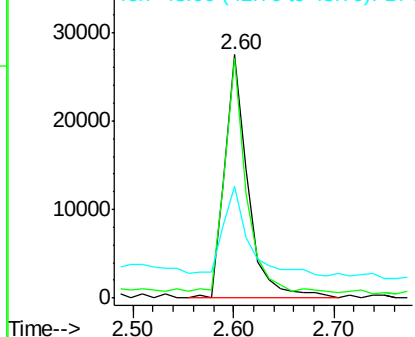
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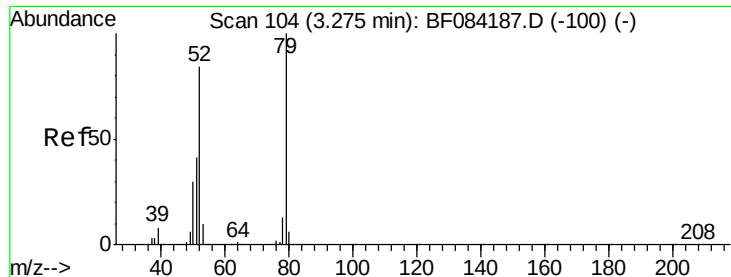
1,4-Dioxane
Concen: 5.00 ng
RT: 2.60 min Scan# 45
Delta R.T. 0.07 min
Lab File: BF084202.D
Acq: 31 Dec 2015 18:40

Tgt Ion: 88 Resp: 44262
Ion Ratio Lower Upper
88 100
58 88.8 51.2 76.8#
43 41.9 19.5 29.3#



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

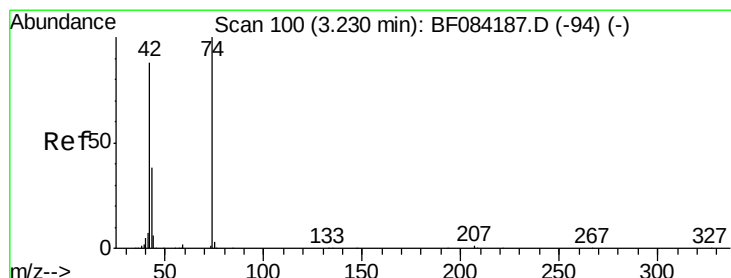
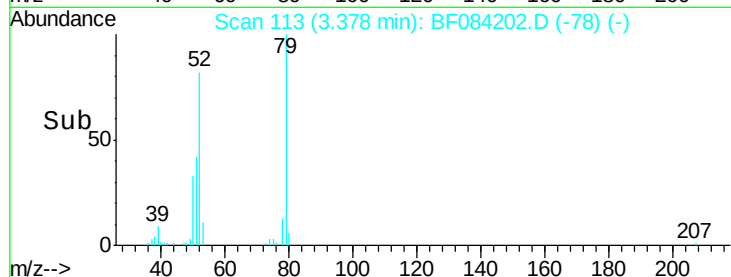
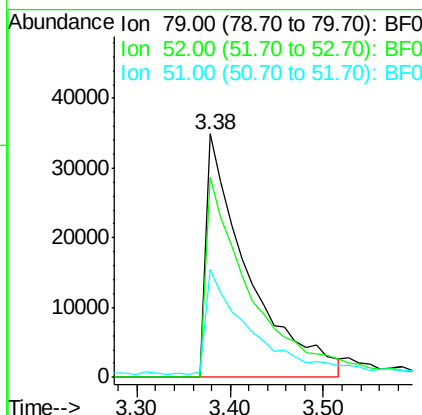
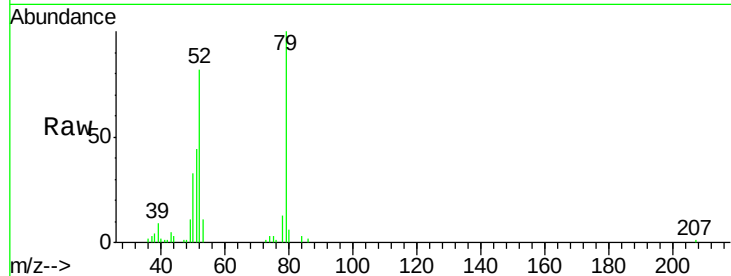




#3
 Pyridine
 Concen: 4.44 ng
 RT: 3.38 min Scan# 113
 Delta R.T. 0.10 min
 Lab File: BF084202.D
 Acq: 31 Dec 2015 18:40

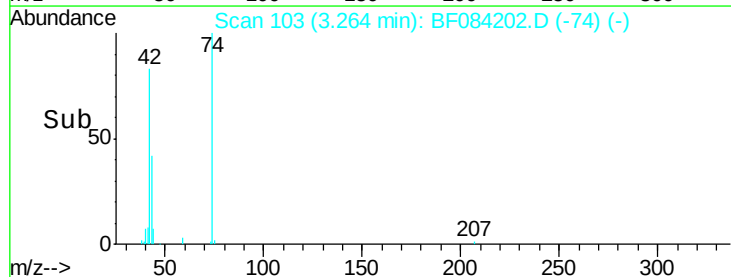
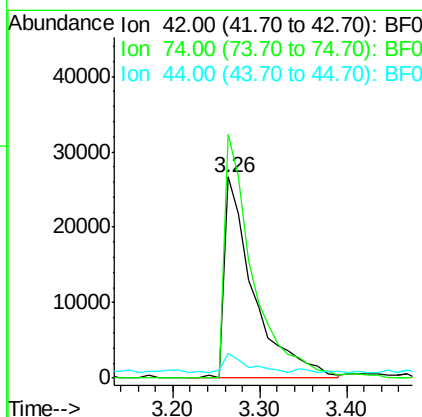
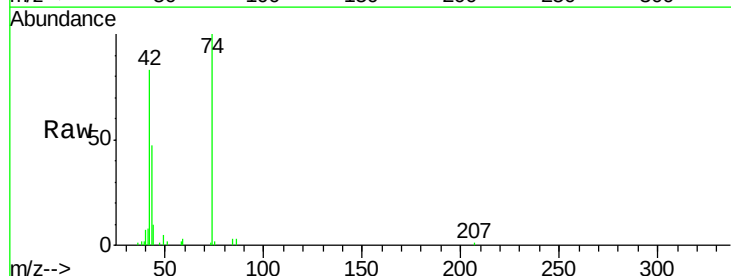
Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER2016-01

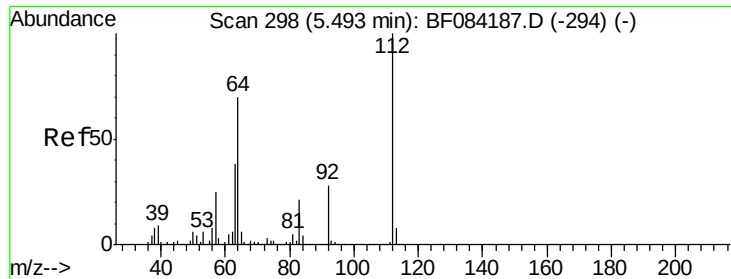
Tgt Ion: 79 Resp: 109628
 Ion Ratio Lower Upper
 79 100
 52 82.3 49.0 73.4#
 51 44.4 25.2 37.8#



#4
 n-Nitrosodimethylamine
 Concen: 4.94 ng
 RT: 3.26 min Scan# 103
 Delta R.T. 0.03 min
 Lab File: BF084202.D
 Acq: 31 Dec 2015 18:40

Tgt Ion: 42 Resp: 62633
 Ion Ratio Lower Upper
 42 100
 74 121.2 115.7 173.5
 44 12.1 5.1 7.7#





#5

2-Fluorophenol

Concen: 95.54 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.01 min

Lab File: BF084202.D

Acq: 31 Dec 2015 18:40

Instrument :

BNA_F

ClientSampleId :

LOD-WATER2016-01

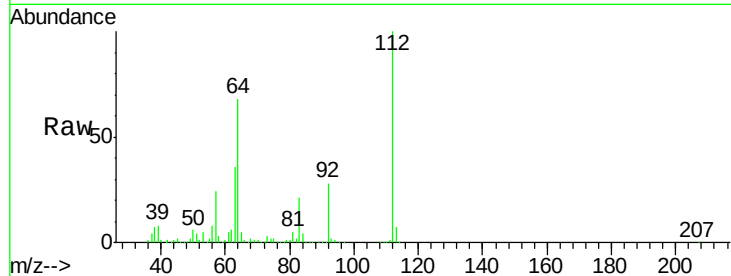
Tgt Ion:112 Resp: 1785544

Ion Ratio Lower Upper

112 100

64 67.8 36.6 55.0#

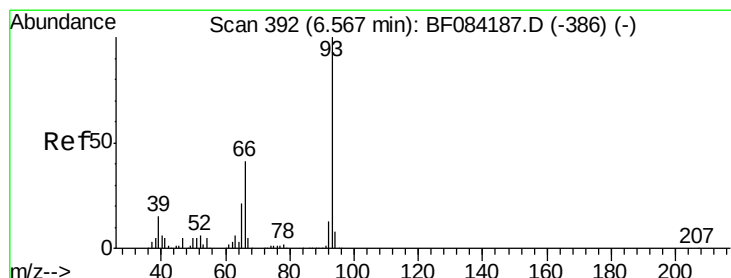
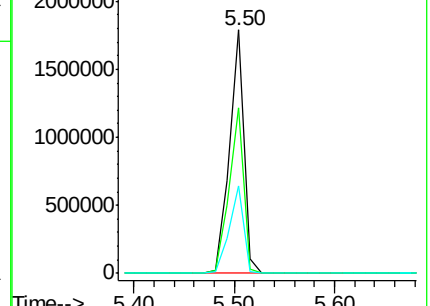
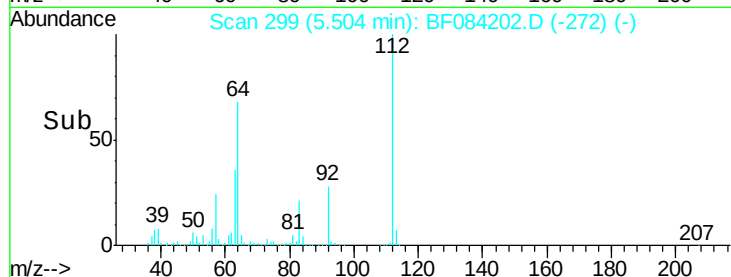
63 36.1 19.4 29.0#



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: 3.93 ng

RT: 6.56 min Scan# 391

Delta R.T. -0.01 min

Lab File: BF084202.D

Acq: 31 Dec 2015 18:40

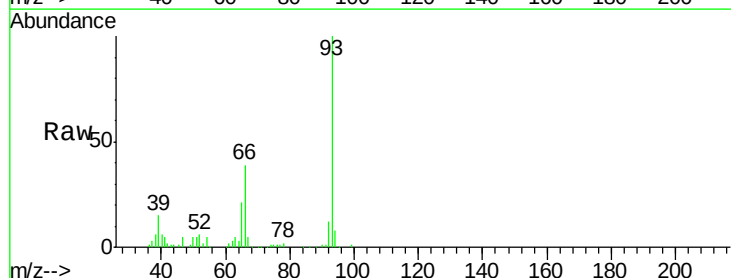
Tgt Ion: 93 Resp: 135037

Ion Ratio Lower Upper

93 100

66 38.9 44.9 67.3#

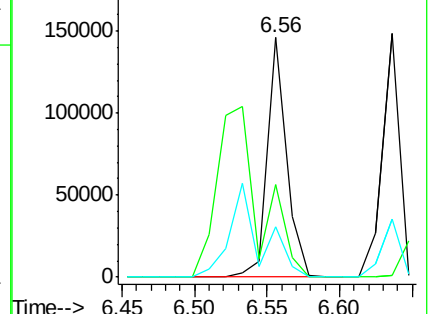
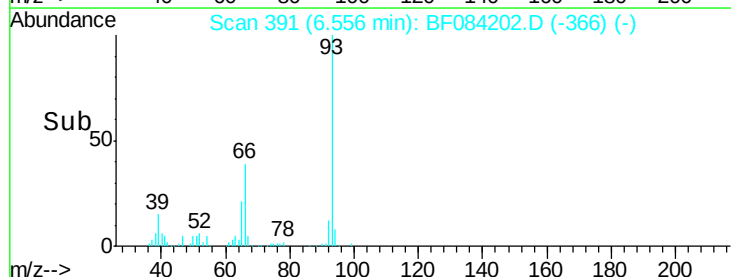
65 20.9 23.7 35.5#

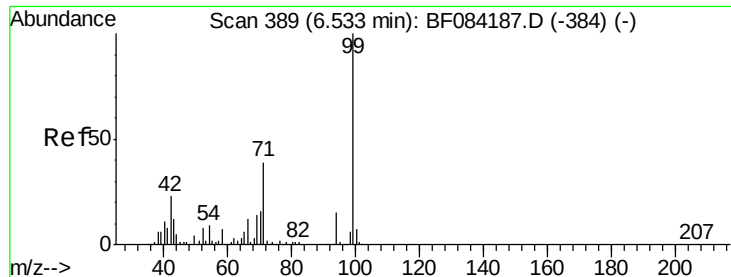


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 94.33 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF084202.D

Acq: 31 Dec 2015 18:40

Instrument :

BNA_F

ClientSampleId :

LOD-WATER2016-01

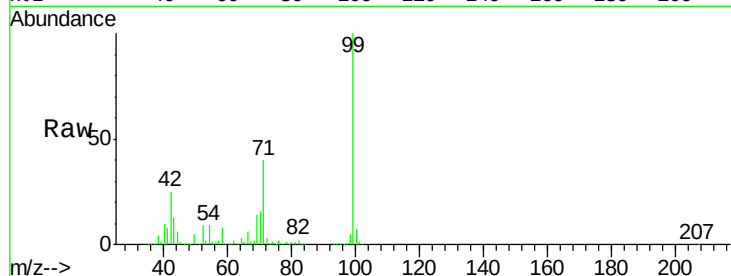
Tgt Ion: 99 Resp: 2214098

Ion Ratio Lower Upper

99 100

42 24.6 12.8 19.2#

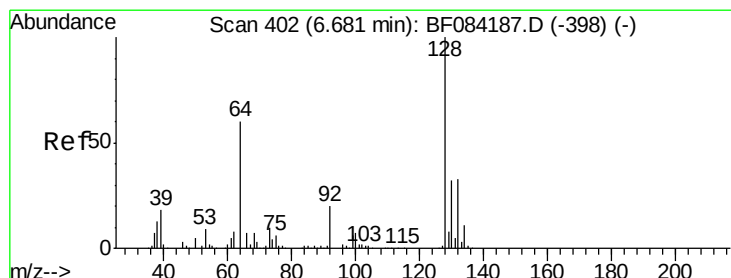
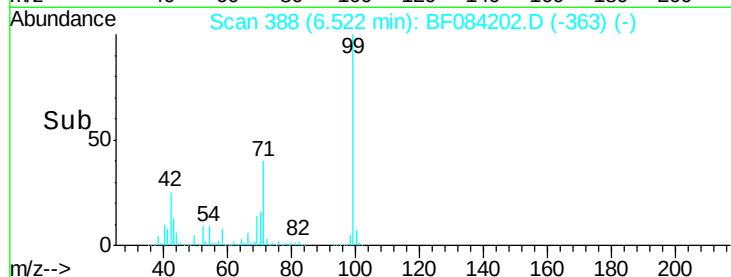
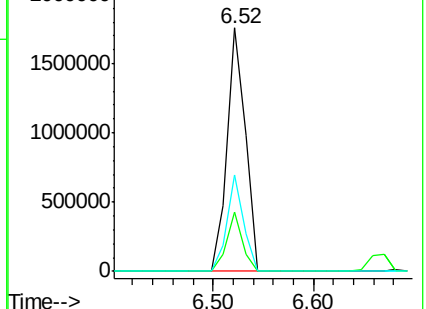
71 39.6 30.9 46.3



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: 6.32 ng

RT: 6.68 min Scan# 402

Delta R.T. 0.00 min

Lab File: BF084202.D

Acq: 31 Dec 2015 18:40

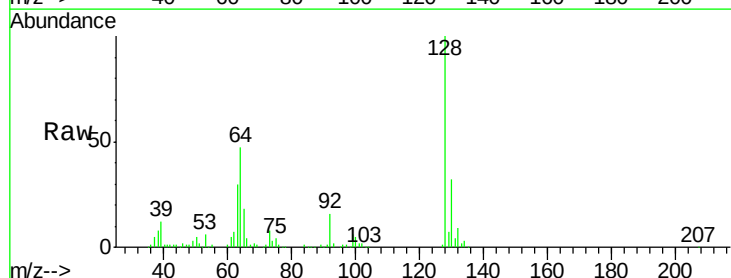
Tgt Ion: 128 Resp: 133945

Ion Ratio Lower Upper

128 100

130 31.8 11.6 51.6

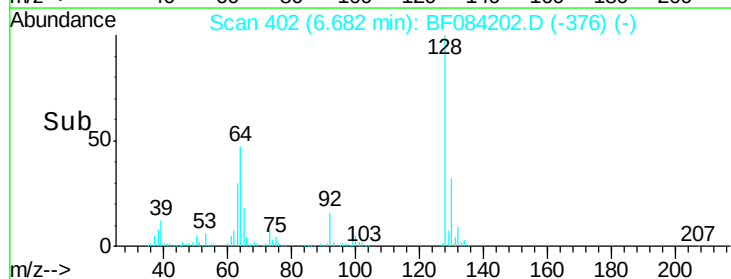
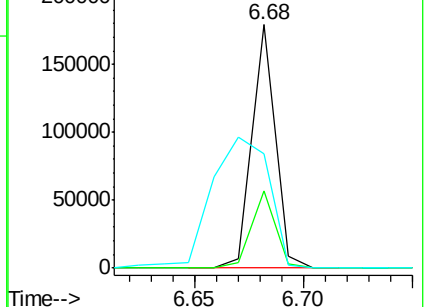
64 46.8 23.8 63.8

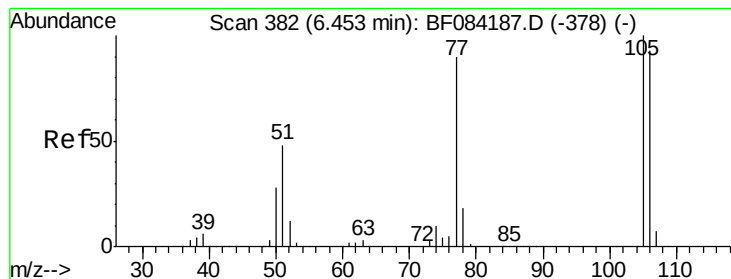


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 7.09 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF084202.D

Acq: 31 Dec 2015 18:40

Instrument :

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ClientSampleId :

LOD-WATER2016-01

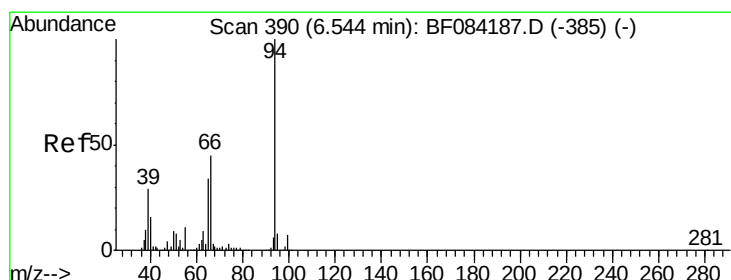
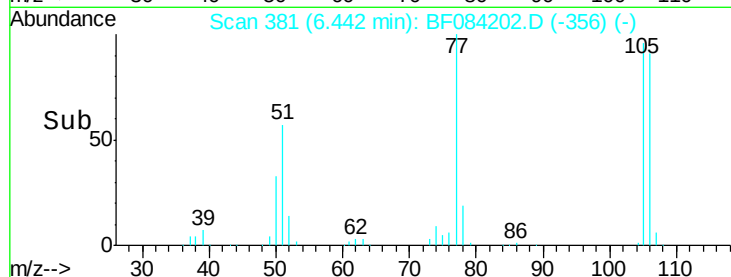
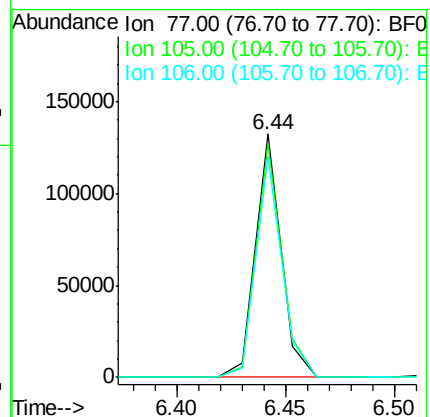
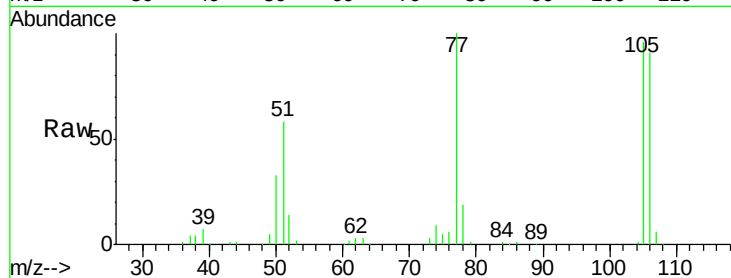
Tgt Ion: 77 Resp: 108292

Ion Ratio Lower Upper

77 100

105 95.8 83.0 123.0

106 90.8 74.6 114.6



#10

Phenol

Concen: 4.90 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.01 min

Lab File: BF084202.D

Acq: 31 Dec 2015 18:40

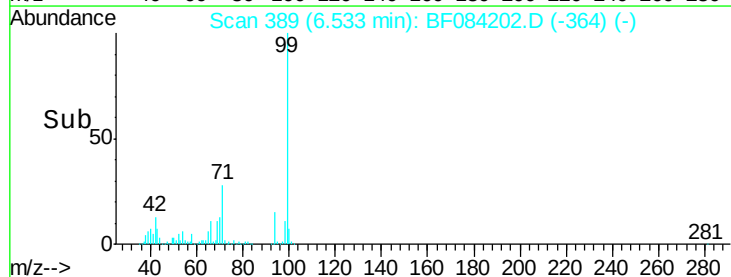
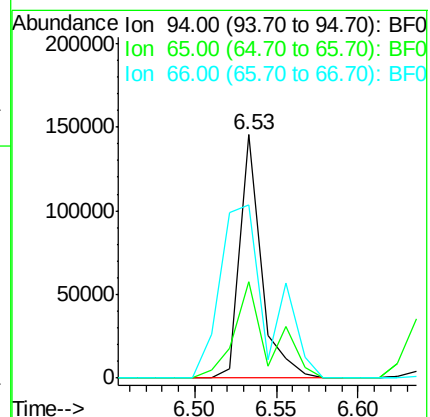
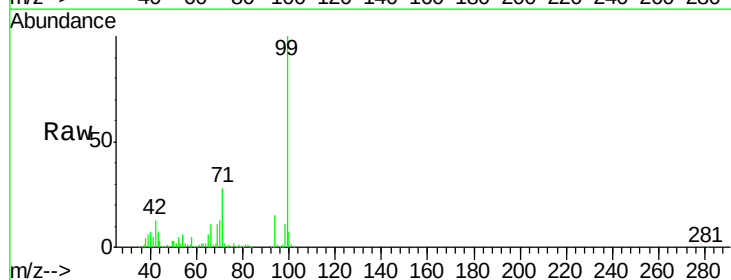
Tgt Ion: 94 Resp: 130813

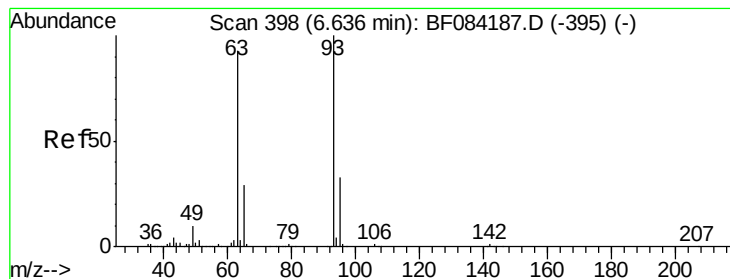
Ion Ratio Lower Upper

94 100

65 39.4 12.9 52.9

66 71.3 32.7 72.7





#11

bis(2-Chloroethyl)ether

Concen: 5.90 ng

RT: 6.64 min Scan# 398

Delta R.T. 0.00 min

Lab File: BF084202.D

Acq: 31 Dec 2015 18:40

Instrument :

BNA_F

ClientSampleId :

LOD-WATER2016-01

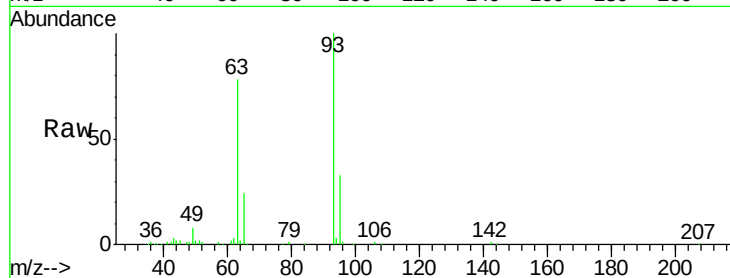
Tgt Ion: 93 Resp: 121911

Ion Ratio Lower Upper

93 100

63 77.9 45.9 85.9

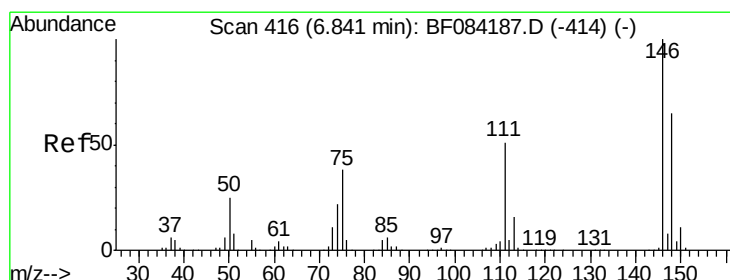
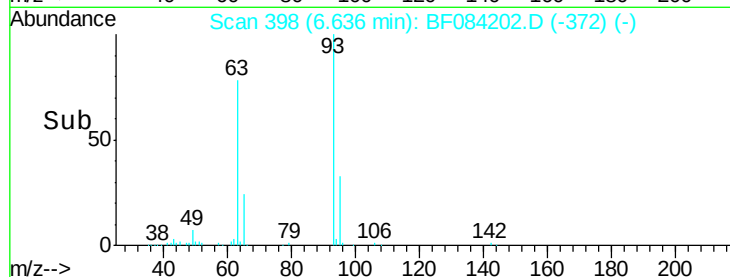
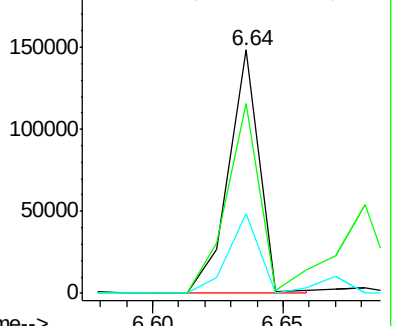
95 32.9 12.3 52.3



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: 6.02 ng

RT: 6.84 min Scan# 416

Delta R.T. 0.00 min

Lab File: BF084202.D

Acq: 31 Dec 2015 18:40

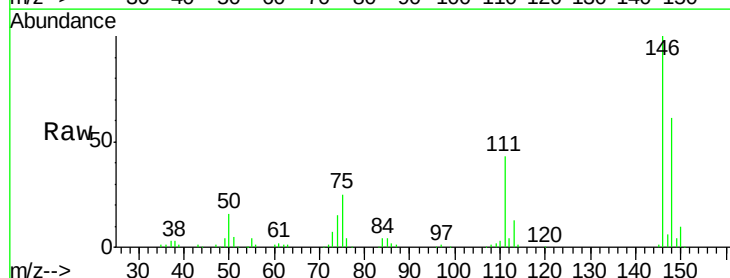
Tgt Ion: 146 Resp: 131776

Ion Ratio Lower Upper

146 100

148 60.7 51.9 77.9

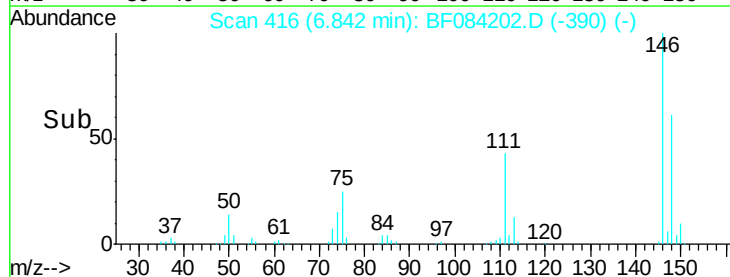
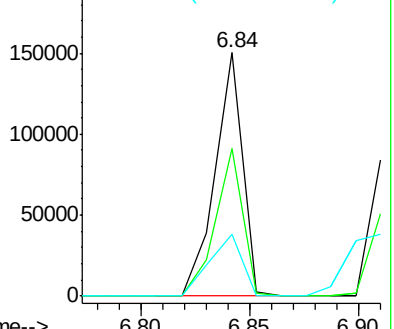
75 25.4 20.5 30.7

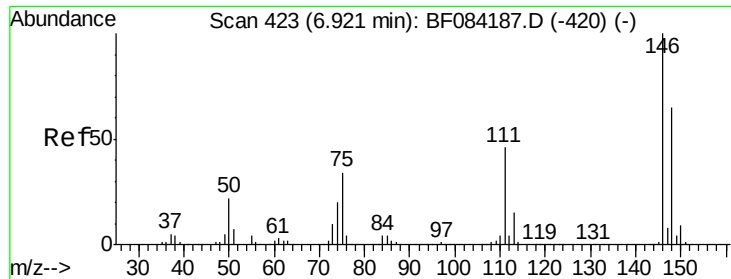


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

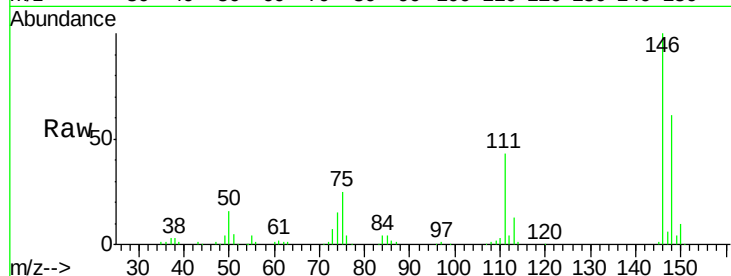




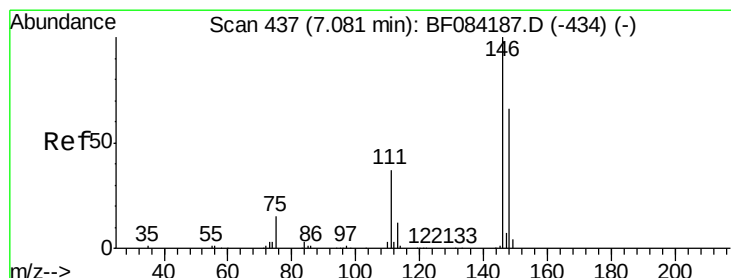
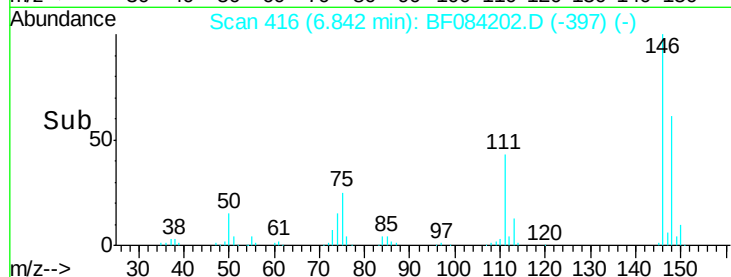
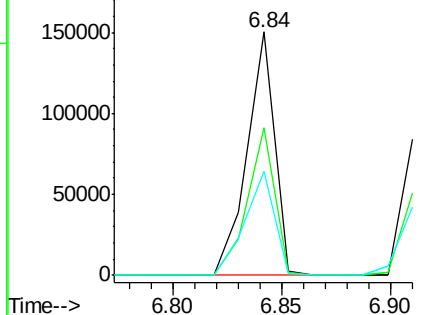
#13
 1,4-Dichlorobenzene
 Concen: 6.01 ng
 RT: 6.84 min Scan# 416
 Delta R.T. -0.08 min
 Lab File: BF084202.D
 Acq: 31 Dec 2015 18:40

Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER2016-01

Tgt Ion:146 Resp: 131776
 Ion Ratio Lower Upper
 146 100
 148 60.7 51.9 77.9
 111 42.6 41.6 62.4

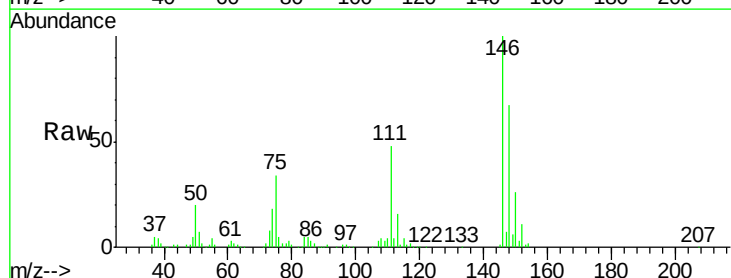


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

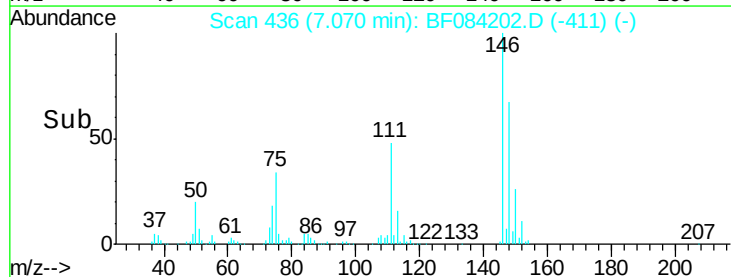
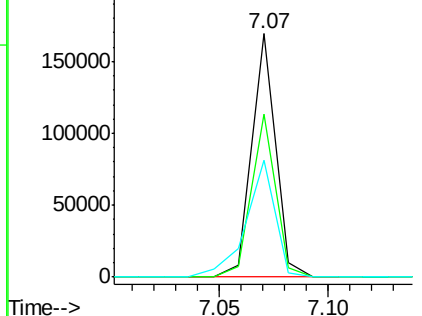


#14
 1,2-Dichlorobenzene
 Concen: 6.12 ng
 RT: 7.07 min Scan# 436
 Delta R.T. -0.01 min
 Lab File: BF084202.D
 Acq: 31 Dec 2015 18:40

Tgt Ion:146 Resp: 128633
 Ion Ratio Lower Upper
 146 100
 148 67.1 51.6 77.4
 111 47.8 38.0 57.0



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



Ref

#15

Benzyl Alcohol

Concen: 6.47 ng

RT: 7.04 min Scan# 433

Delta R.T. -0.01 min

Lab File: BF084202.D

Acq: 31 Dec 2015 18:40

Instrument :

BNA_F

ClientSampleId :

LOD-WATER2016-01

Raw

Tgt Ion: 79 Resp: 127711

Ion	Ratio	Lower	Upper
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79	100		
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108	75.5	69.0	103.4
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77	60.1	50.0	75.0
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Sub