

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032217\
 Data File : BF093845.D
 Acq On : 22 Mar 2017 21:12
 Operator : SJ/MA
 Sample : I2296-05
 Misc : LOD 1 PPB
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER-05-QT2-2017

Quant Time: Mar 23 13:37:22 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 23 02:02:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.99	152	186286	20.00	ng	0.00
21) Naphthalene-d8	7.49	136	754108	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	345955	20.00	ng	0.00
63) Phenanthrene-d10	11.46	188	615492	20.00	ng	0.00
75) Chrysene-d12	14.71	240	519335	20.00	ng	0.00
86) Perylene-d12	16.34	264	409879	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	4.50	112	1391576	126.17	ng	0.00
7) Phenol-d6	5.57	99	1731910	126.93	ng	0.00
23) Nitrobenzene-d5	6.63	82	1117532	84.57	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	381849	139.68	ng	0.00
44) 2-Fluorobiphenyl	8.82	172	1974237	87.04	ng	0.00
78) Terphenyl-d14	13.44	244	1672107	72.17	ng	0.00

Target Compounds					Qvalue	
6) Aniline	5.60	93	21278	1.12	ng	99
8) 2-Chlorophenol	5.74	128	13786	1.14	ng	84
9) Benzaldehyde	5.47	77	10717	1.16	ng	94
10) Phenol	5.58	94	17387	1.12	ng	91
11) bis(2-Chloroethyl)ether	5.69	93	14065	1.16	ng	95
12) 1,3-Dichlorobenzene	5.92	146	15896	1.17	ng	98
13) 1,4-Dichlorobenzene	6.00	146	16249	1.18	ng	92
14) 1,2-Dichlorobenzene	6.18	146	16054	1.27	ng	94
15) Benzyl Alcohol	6.14	79	8424	0.84	ng	94
16) 2,2'-oxybis(1-Chloropropan	6.30	45	20528	1.10	ng	97
18) Hexachloroethane	6.58	117	5683	1.17	ng	# 80
24) Nitrobenzene	6.65	77	18344	1.41	ng	92
31) Naphthalene	7.51	128	44934	1.24	ng	99
34) Hexachlorobutadiene	7.67	225	5892	1.11	ng	93
37) 2-Methylnaphthalene	8.36	142	28709	1.19	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.56	216	12001	1.27	ng	98
45) 1,1'-Biphenyl	8.93	154	38725	1.39	ng	98
46) 2-Chloronaphthalene	8.95	162	26637	1.22	ng	95
47) 2-Nitroaniline	9.06	65	6009	0.93	ng	93
48) Acenaphthylene	9.46	152	42103	1.16	ng	95
49) Dimethylphthalate	9.30	163	29593	1.20	ng	96
50) 2,6-Dinitrotoluene	9.37	165	5620	1.00	ng	# 85
51) Acenaphthene	9.67	154	25723	1.21	ng	97
54) Dibenzofuran	9.88	168	36270	1.26	ng	99
57) Fluorene	10.30	166	30180	1.26	ng	100
58) 2,3,4,6-Tetrachlorophenol	10.03	232	4469	0.90	ng	# 97
59) Diethylphthalate	10.18	149	28777	1.18	ng	99
62) Azobenzene	10.51	77	26212	1.14	ng	95
65) n-Nitrosodiphenylamine	10.46	169	24588	1.16	ng	98
66) 4-Bromophenyl-phenylether	10.91	248	6610	1.09	ng	91
67) Hexachlorobenzene	10.98	284	7522	1.23	ng	# 83
68) Atrazine	11.12	200	6320	0.99	ng	89
70) Phenanthrene	11.48	178	43506	1.27	ng	97
71) Anthracene	11.55	178	41291	1.17	ng	96

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032217\
 Data File : BF093845.D
 Acq On : 22 Mar 2017 21:12
 Operator : SJ/MA
 Sample : I2296-05
 Misc : LOD 1 PPB
 ALS Vial : 17 Sample Multiplier: 1

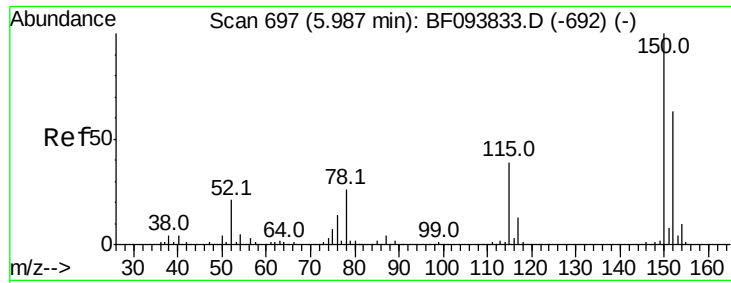
Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER-05-QT2-2017

Quant Time: Mar 23 13:37:22 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 23 02:02:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

72) Carbazole	11.74	167	41844	1.16	nq	96
73) Di-n-butylphthalate	12.20	149	36627	0.97	nq	100
74) Fluoranthene	12.94	202	38829	1.11	nq	98
77) Pyrene	13.22	202	41339	1.10	nq	95
79) Butylbenzylphthalate	14.04	149	11948	0.74	nq	# 82
80) Benzo(a)anthracene	14.69	228	32787	1.08	nq	98
82) Chrysene	14.73	228	33334	1.19	nq	96
83) Bis(2-ethylhexyl)phthalate	14.76	149	19652	0.90	nq	# 98
84) Di-n-octyl phthalate	15.51	149	24603	0.67	nq	# 100
85) Indeno(1,2,3-cd)pyrene	17.73	276	21030	0.86	nq	99
87) Benzo(b)fluoranthene	15.95	252	26463	1.05	nq	97
88) Benzo(k)fluoranthene	15.95	252	26463	1.08	nq	97
89) Benzo(a)pyrene	16.28	252	22608	0.98	nq	99
90) Dibenzo(a,h)anthracene	17.75	278	17328	0.88	nq	93
91) Benzo(a,h,i)perylene	18.13	276	17887	0.91	nq	94

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

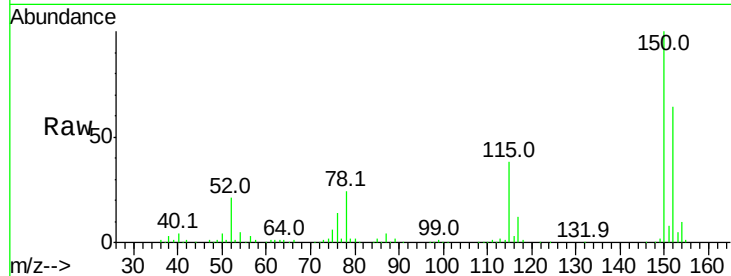


#1

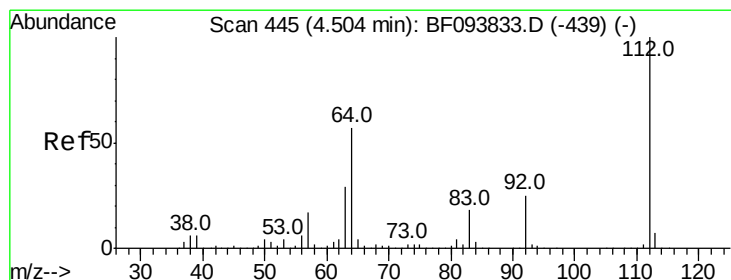
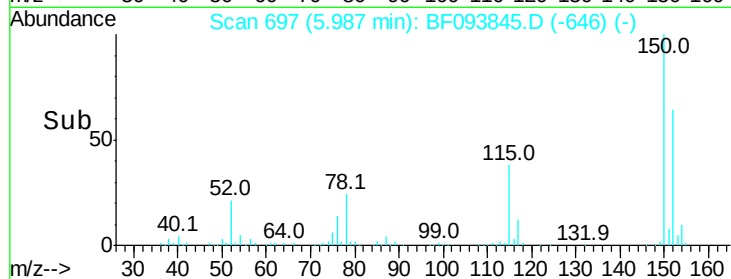
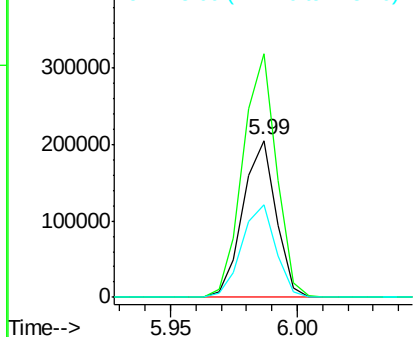
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.99 min Scan# 697
Delta R.T. 0.00 min
Lab File: BF093845.D
Acq: 22 Mar 2017 21:12

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT2-2017

Tot Ion:152 Resp: 186286
Ion Ratio Lower Upper
152 100
150 155.3 126.2 189.2
115 58.7 52.2 78.2



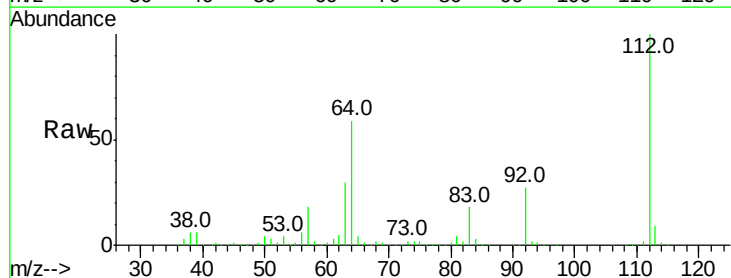
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



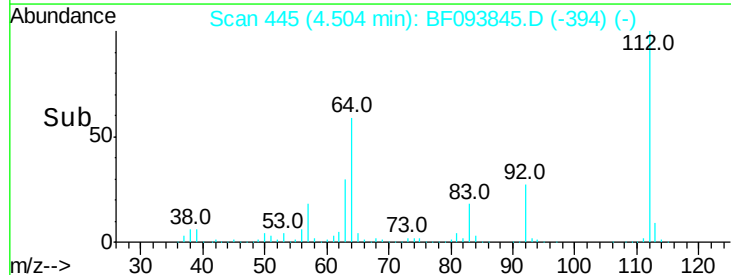
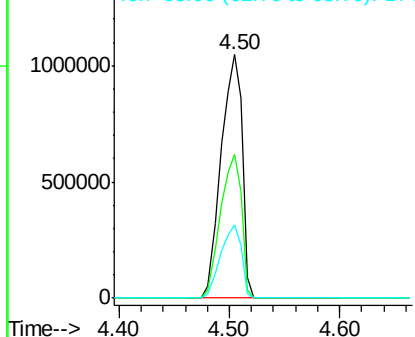
#5

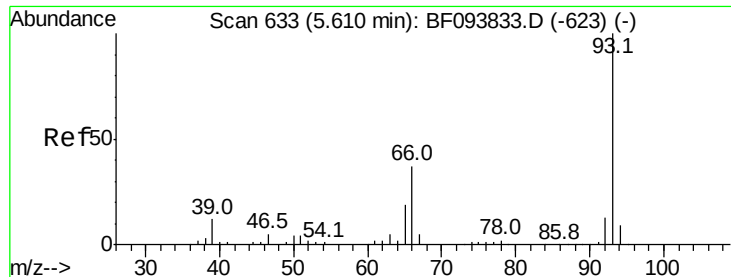
2-Fluorophenol
Concen: 126.17 ng
RT: 4.50 min Scan# 445
Delta R.T. 0.00 min
Lab File: BF093845.D
Acq: 22 Mar 2017 21:12

Tgt Ion:112 Resp: 1391576
Ion Ratio Lower Upper
112 100
64 59.1 46.0 69.0
63 30.2 23.4 35.0



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: 1.12 ng

RT: 5.60 min Scan# 632

Delta R.T. -0.01 min

Lab File: BF093845.D

Acq: 22 Mar 2017 21:12

Instrument :

BNA_F

ClientSampleId :

LOD-WATER-05-QT2-2017

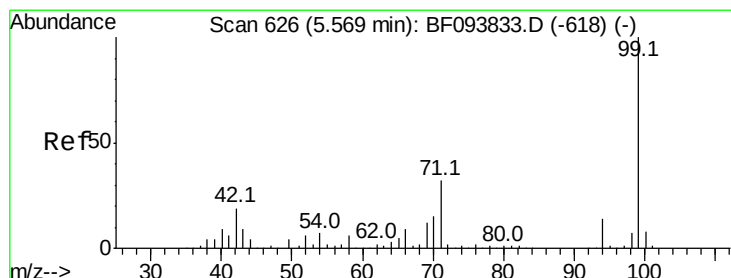
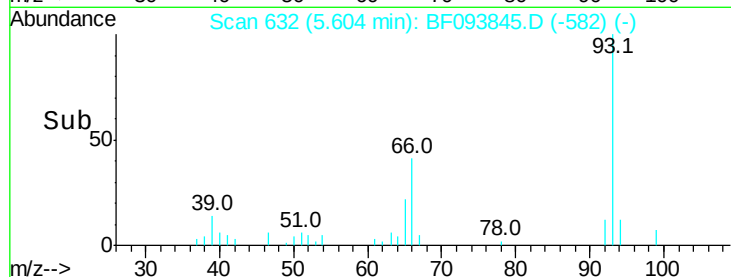
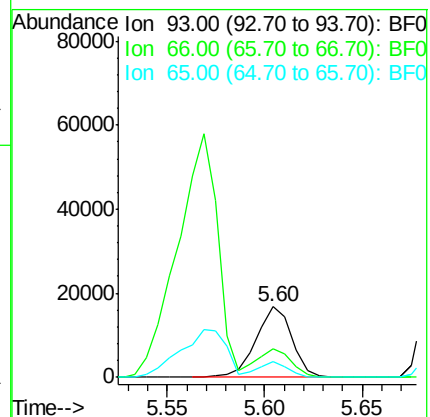
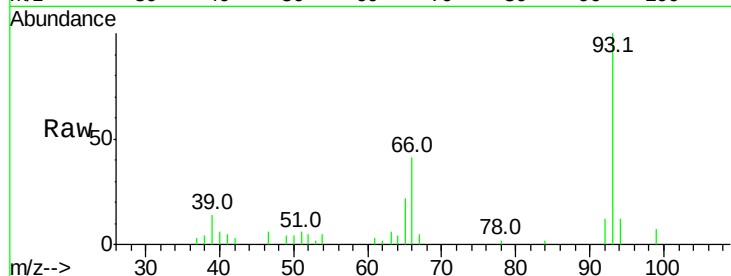
Tot Ion: 93 Resp: 21278

Ion Ratio Lower Upper

93 100

66 40.8 32.9 49.3

65 21.6 16.0 24.0



#7

Phenol-d6

Concen: 126.93 ng

RT: 5.57 min Scan# 626

Delta R.T. 0.00 min

Lab File: BF093845.D

Acq: 22 Mar 2017 21:12

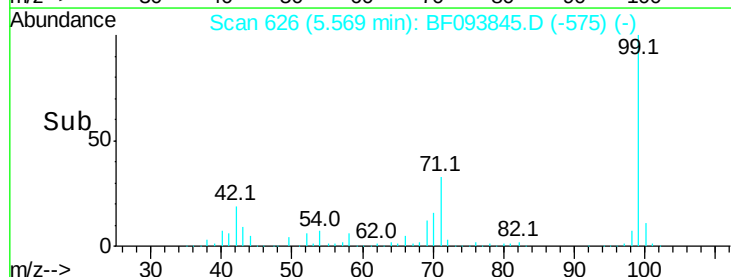
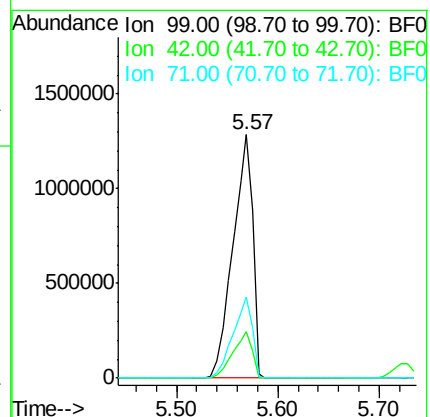
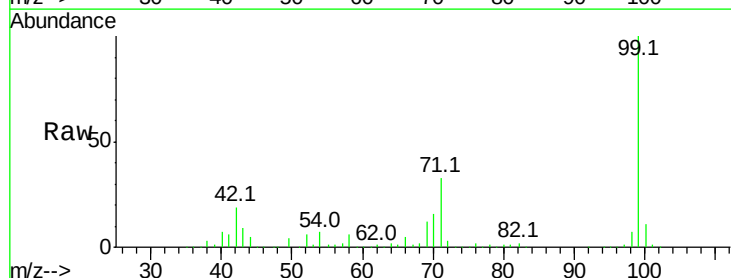
Tgt Ion: 99 Resp: 1731910

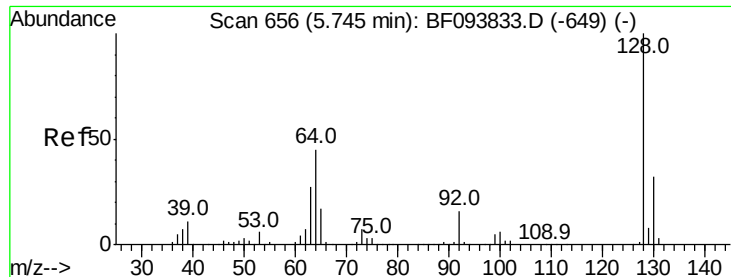
Ion Ratio Lower Upper

99 100

42 19.1 13.5 20.3

71 33.2 24.5 36.7





#8

2-Chlorophenol

Concen: 1.14 ng

RT: 5.74 min Scan# 655

Delta R.T. -0.01 min

Lab File: BF093845.D

Acq: 22 Mar 2017 21:12

Instrument :

BNA_F

ClientSampleId :

LOD-WATER-05-QT2-2017

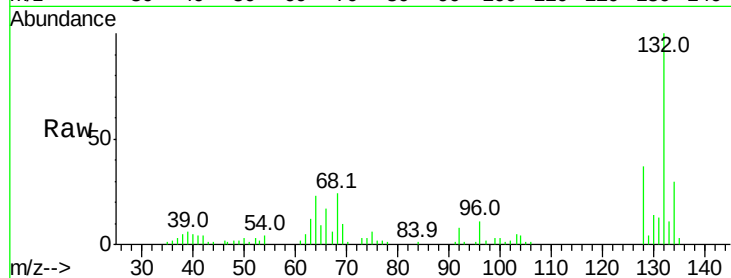
Tot Ion:128 Resp: 13786

Ion Ratio Lower Upper

128 100

130 37.9 12.9 52.9

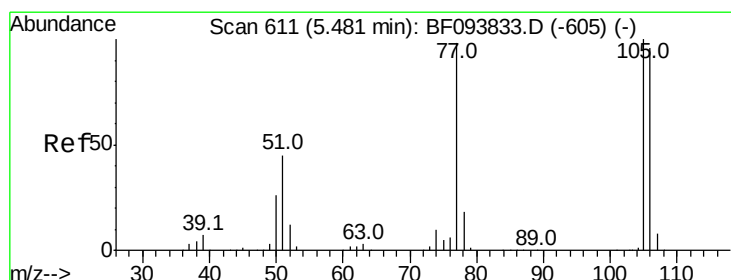
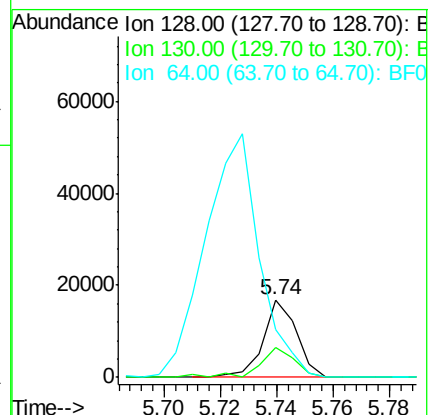
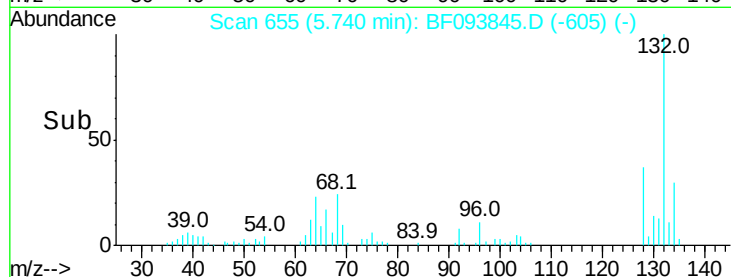
64 62.5 28.4 68.4



Abundance Ion 128.00 (127.70 to 128.70): B

Ion 130.00 (129.70 to 130.70): B

Ion 64.00 (63.70 to 64.70): B



#9

Benzaldehyde

Concen: 1.16 ng

RT: 5.47 min Scan# 610

Delta R.T. -0.01 min

Lab File: BF093845.D

Acq: 22 Mar 2017 21:12

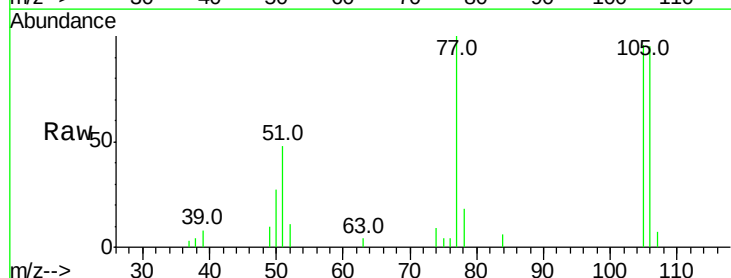
Tgt Ion: 77 Resp: 10717

Ion Ratio Lower Upper

77 100

105 95.6 83.8 123.8

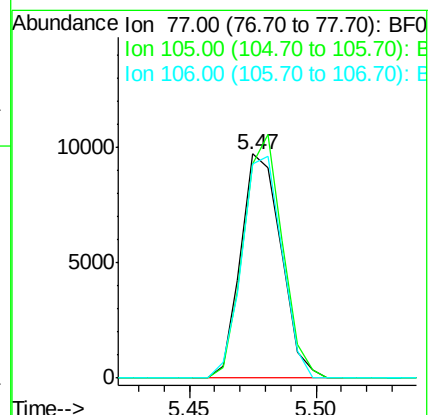
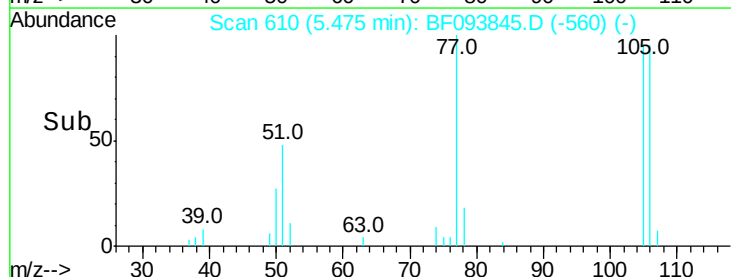
106 95.4 79.1 119.1

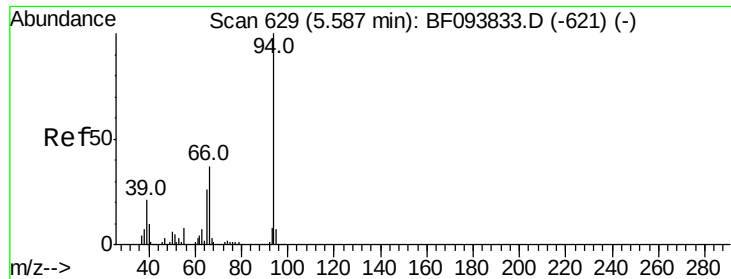


Abundance Ion 77.00 (76.70 to 77.70): B

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 1.12 ng

RT: 5.58 min Scan# 628

Delta R.T. -0.01 min

Lab File: BF093845.D

Acq: 22 Mar 2017 21:12

Instrument :

BNA_F

ClientSampleId :

LOD-WATER-05-QT2-2017

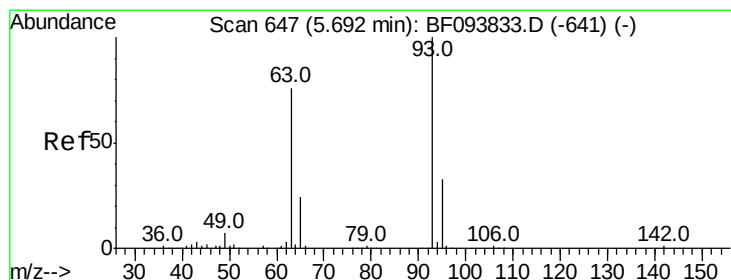
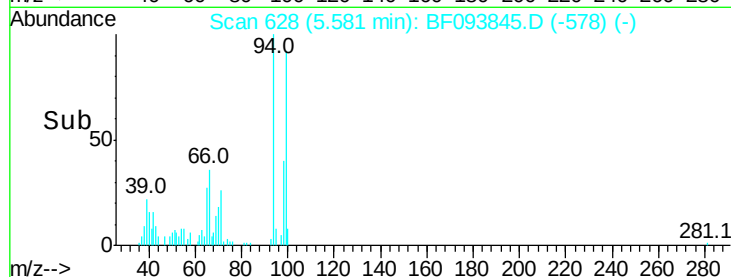
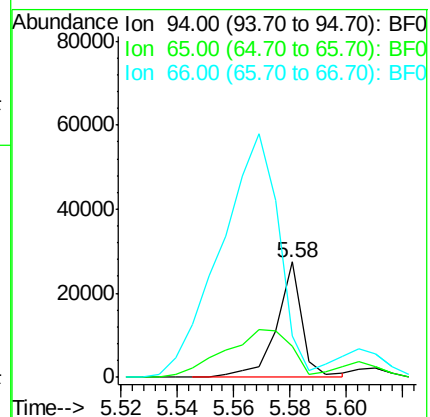
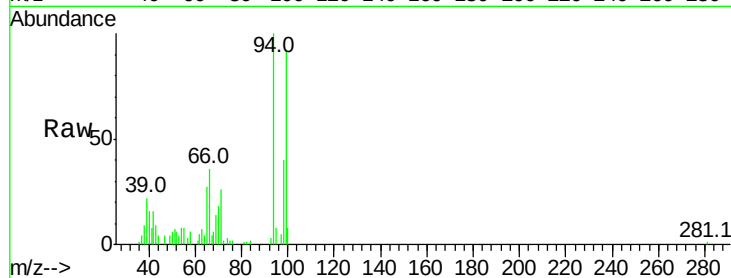
Tot Ion: 94 Resp: 17387

Ion Ratio Lower Upper

94 100

65 27.2 9.9 49.9

66 35.9 23.1 63.1



#11

bis(2-Chloroethyl)ether

Concen: 1.16 ng

RT: 5.69 min Scan# 646

Delta R.T. -0.01 min

Lab File: BF093845.D

Acq: 22 Mar 2017 21:12

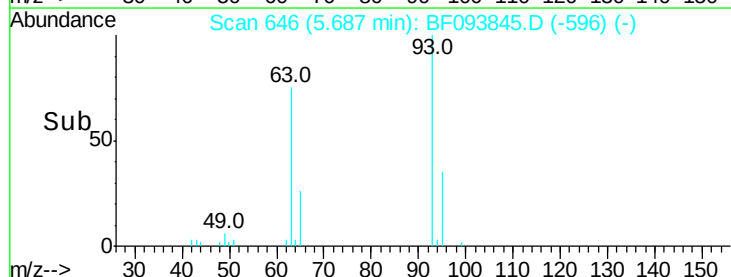
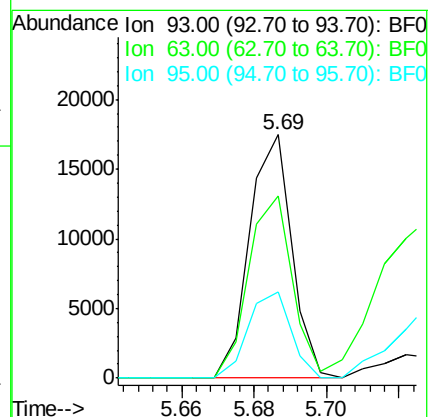
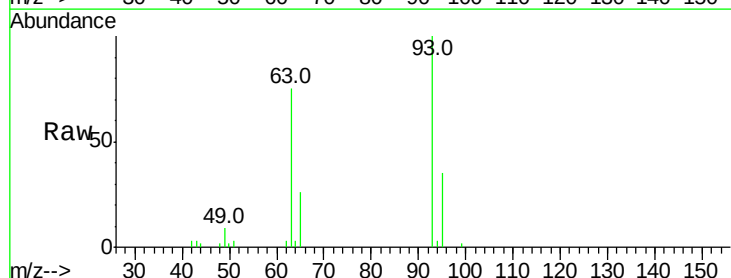
Tgt Ion: 93 Resp: 14065

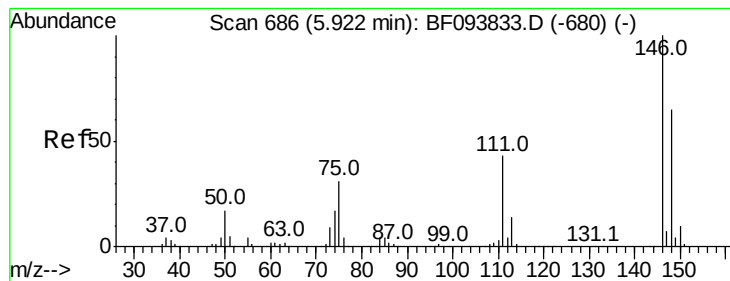
Ion Ratio Lower Upper

93 100

63 74.7 59.2 99.2

95 35.3 12.8 52.8





#12

1,3-Dichlorobenzene

Concen: 1.17 ng

RT: 5.92 min Scan# 685

Delta R.T. -0.01 min

Lab File: BF093845.D

Acq: 22 Mar 2017 21:12

Instrument :

BNA_F

ClientSampleId :

LOD-WATER-05-QT2-2017

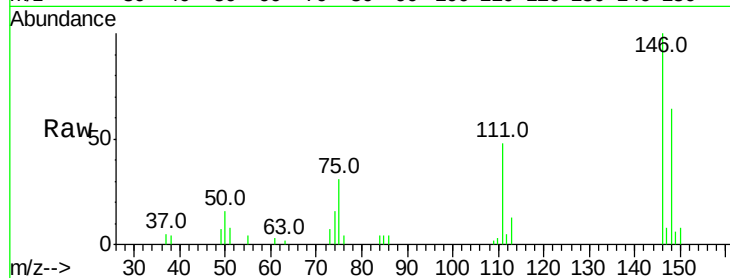
Tot Ion:146 Resp: 15896

Ion Ratio Lower Upper

146 100

148 63.8 51.8 77.6

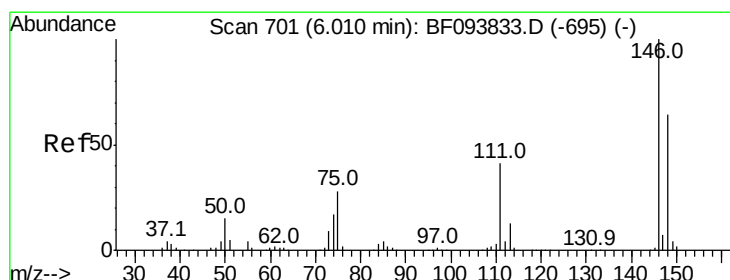
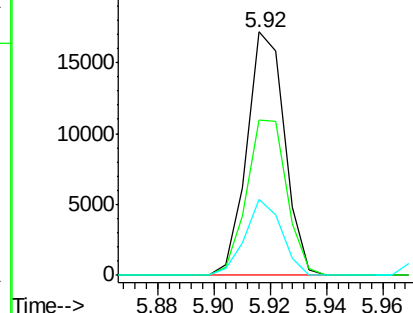
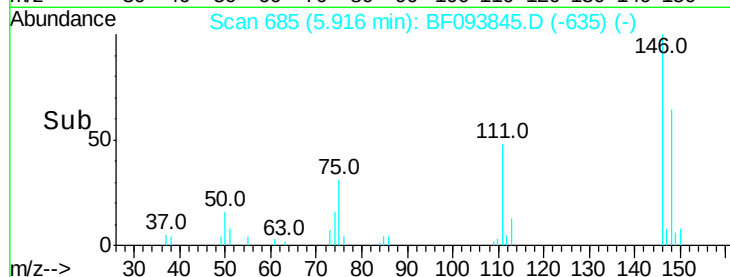
75 31.0 23.1 34.7



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: 1.18 ng

RT: 6.00 min Scan# 700

Delta R.T. -0.01 min

Lab File: BF093845.D

Acq: 22 Mar 2017 21:12

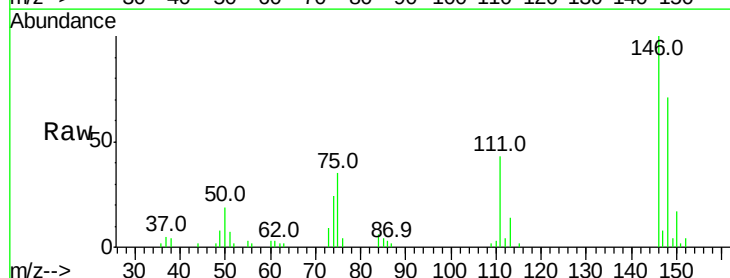
Tgt Ion:146 Resp: 16249

Ion Ratio Lower Upper

146 100

148 71.1 52.2 78.2

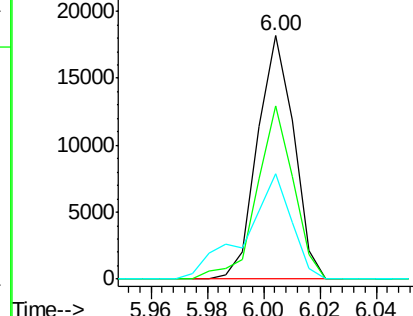
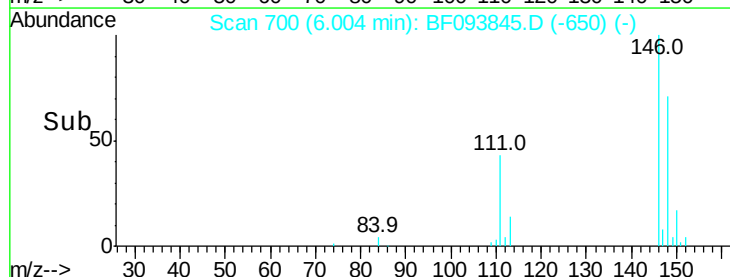
111 43.5 30.3 45.5

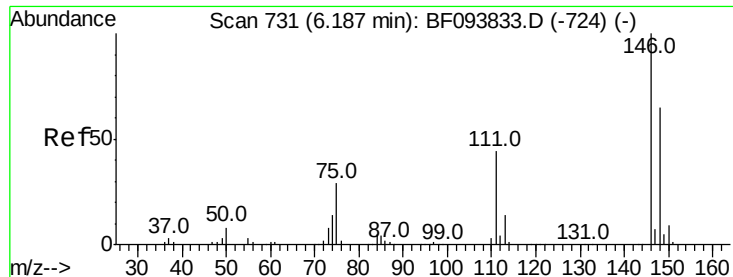


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

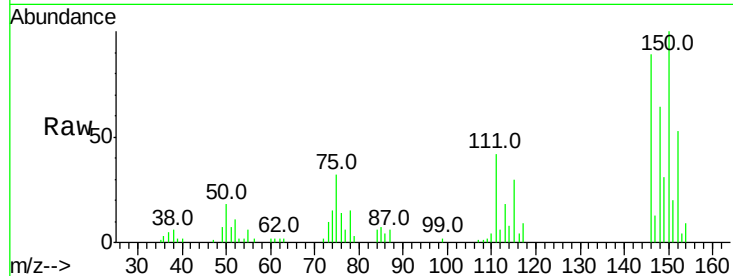




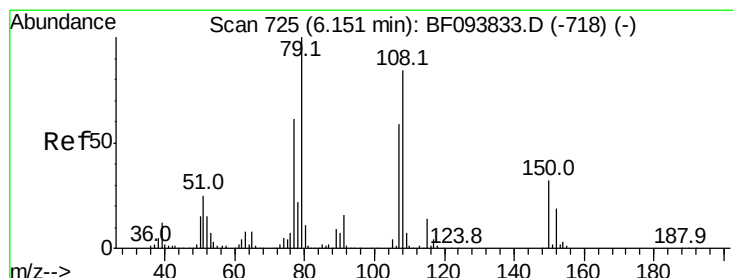
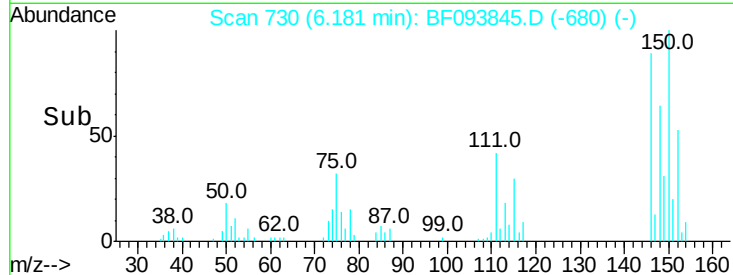
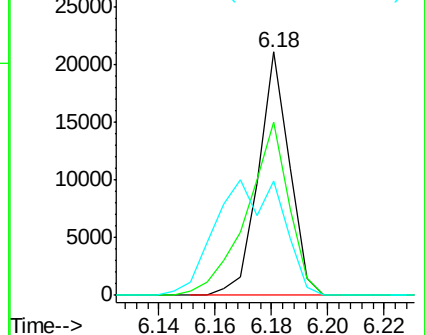
#14
 1,2-Dichlorobenzene
 Concen: 1.27 ng
 RT: 6.18 min Scan# 730
 Delta R.T. -0.01 min
 Lab File: BF093845.D
 Acq: 22 Mar 2017 21:12

Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER-05-QT2-2017

Tot Ion:146 Resp: 16054
 Ion Ratio Lower Upper
 146 100
 148 71.0 50.4 75.6
 111 46.9 38.2 57.4

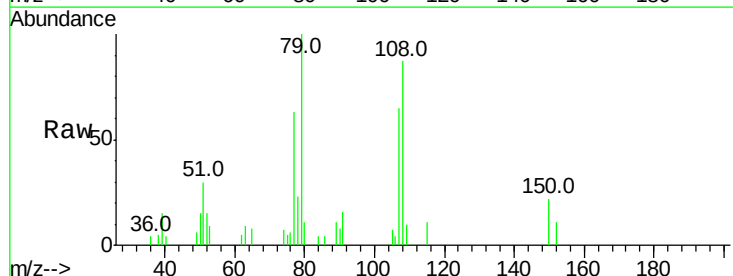


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

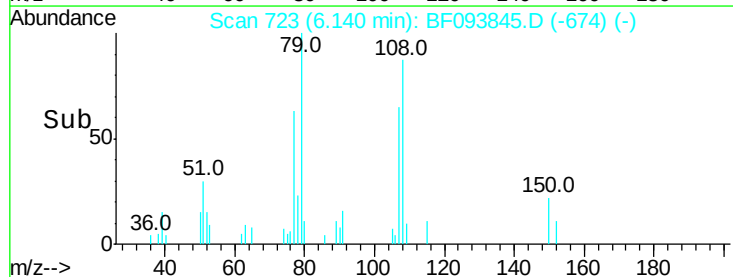
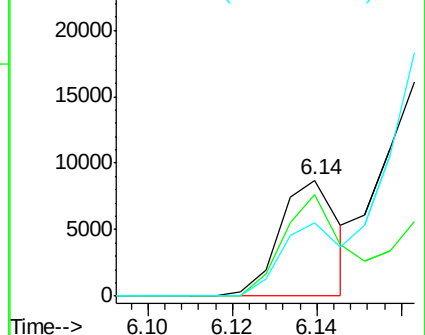


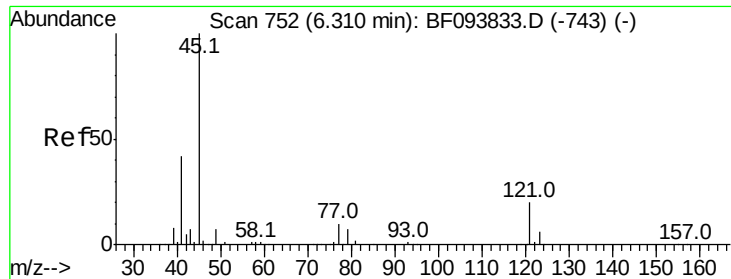
#15
 Benzyl Alcohol
 Concen: 0.84 ng
 RT: 6.14 min Scan# 723
 Delta R.T. -0.01 min
 Lab File: BF093845.D
 Acq: 22 Mar 2017 21:12

Tgt Ion: 79 Resp: 8424
 Ion Ratio Lower Upper
 79 100
 108 87.2 63.4 95.0
 77 63.2 49.2 73.8



Abundance Ion 79.00 (78.70 to 79.70): BF0
 Ion 108.00 (107.70 to 108.70): E
 Ion 77.00 (76.70 to 77.70): BF0

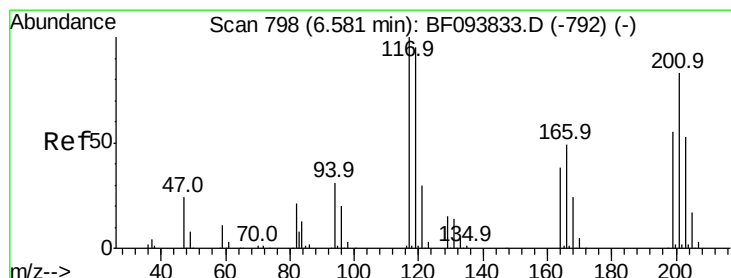
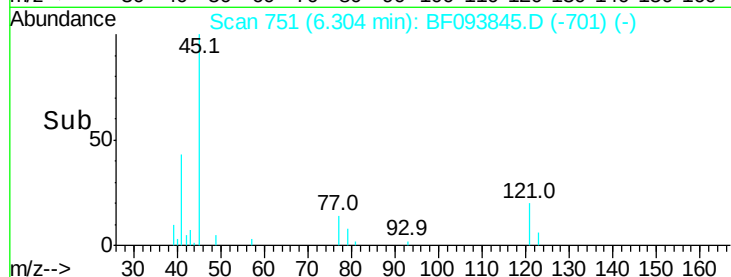
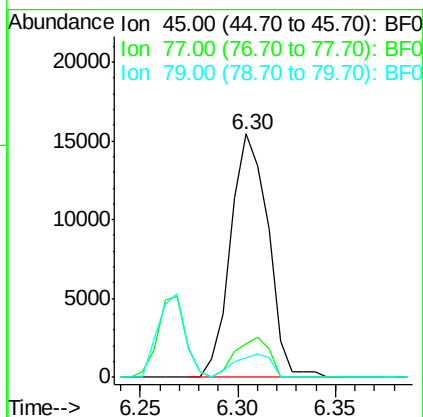
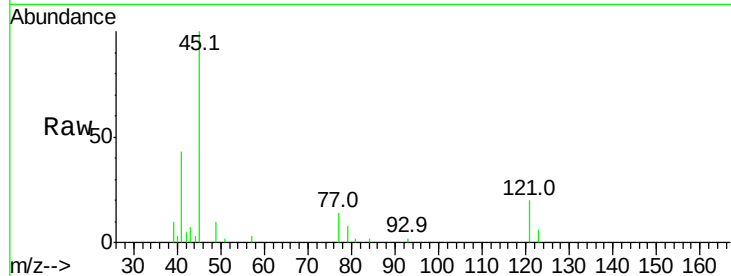




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 1.10 ng
RT: 6.30 min Scan# 751
Delta R.T. -0.01 min
Lab File: BF093845.D
Acq: 22 Mar 2017 21:12

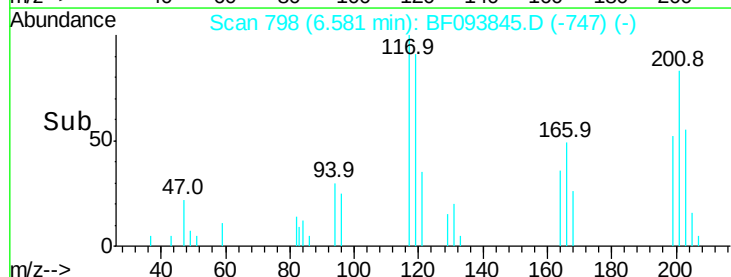
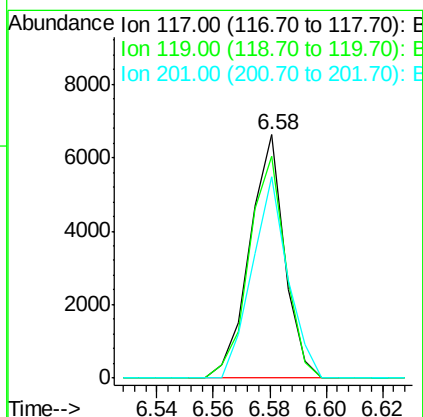
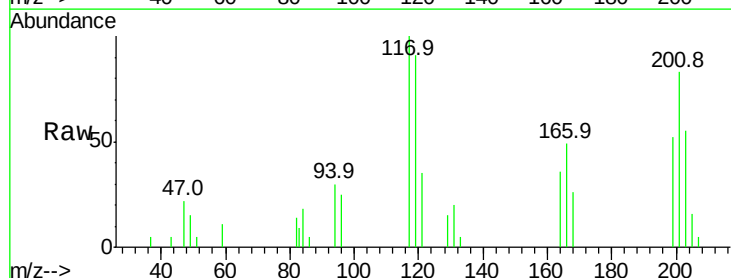
Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT2-2017

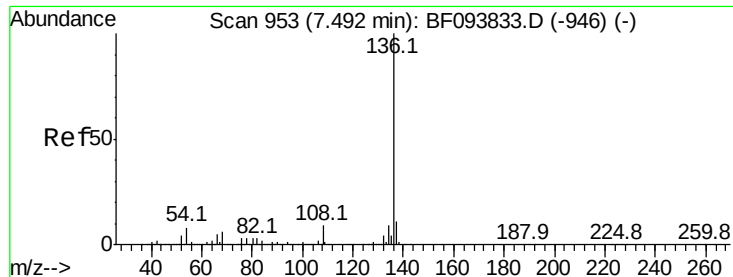
Tot Ion: 45 Resp: 20528
Ion Ratio Lower Upper
45 100
77 14.1 0.0 33.2
79 8.2 0.0 30.0



#18
Hexachloroethane
Concen: 1.17 ng
RT: 6.58 min Scan# 798
Delta R.T. 0.00 min
Lab File: BF093845.D
Acq: 22 Mar 2017 21:12

Tgt Ion: 117 Resp: 5683
Ion Ratio Lower Upper
117 100
119 91.2 77.4 116.0
201 82.5 94.6 141.8#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.49 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF093845.D

Acq: 22 Mar 2017 21:12

Instrument :

BNA_F

ClientSampleId :

LOD-WATER-05-QT2-2017

Tot Ion:136 Resp: 754108

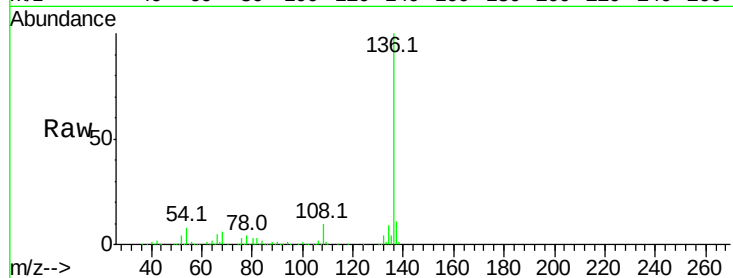
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 8.2 4.9 7.3#

68 6.5 4.1 6.1#

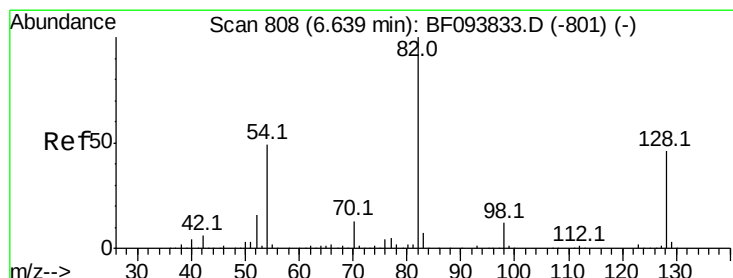
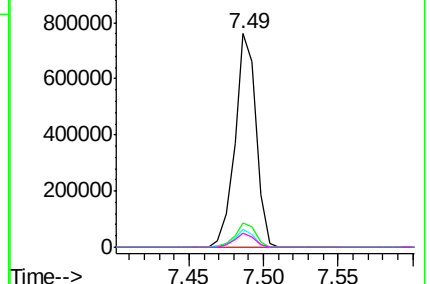
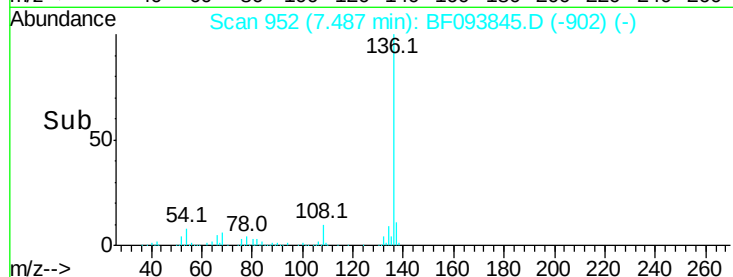


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 84.57 ng

RT: 6.63 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF093845.D

Acq: 22 Mar 2017 21:12

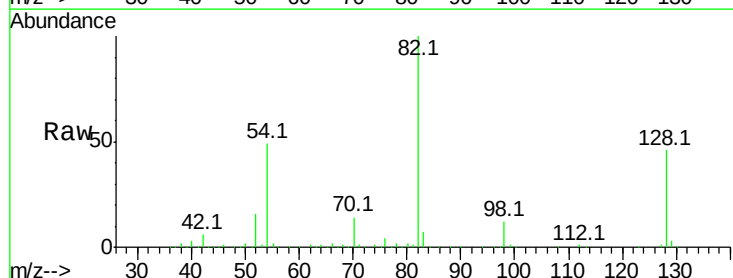
Tgt Ion: 82 Resp: 1117532

Ion Ratio Lower Upper

82 100

128 45.6 34.0 51.0

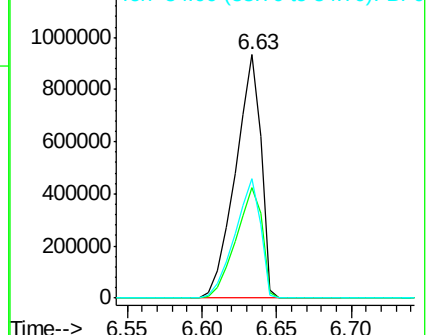
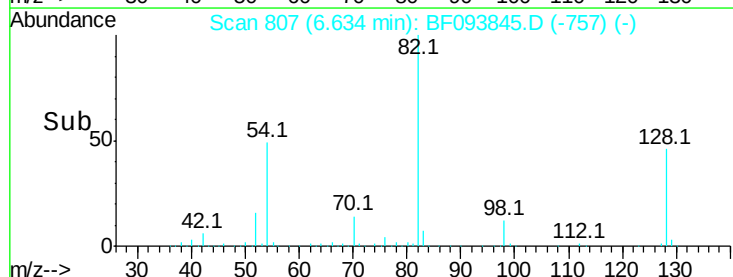
54 49.2 42.2 63.2

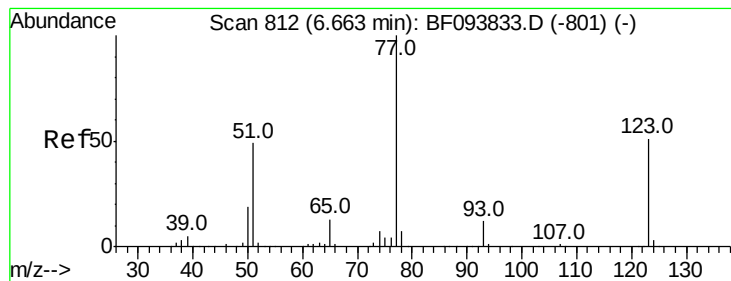


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 1.41 ng

RT: 6.65 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF093845.D

Acq: 22 Mar 2017 21:12

Instrument :

BNA_F

ClientSampleId :

LOD-WATER-05-QT2-2017

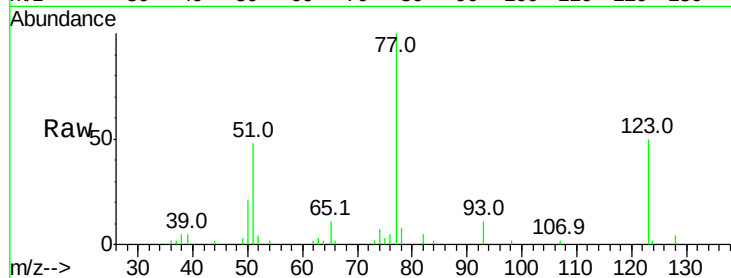
Tot Ion: 77 Resp: 18344

Ion Ratio Lower Upper

77 100

123 50.2 35.8 53.8

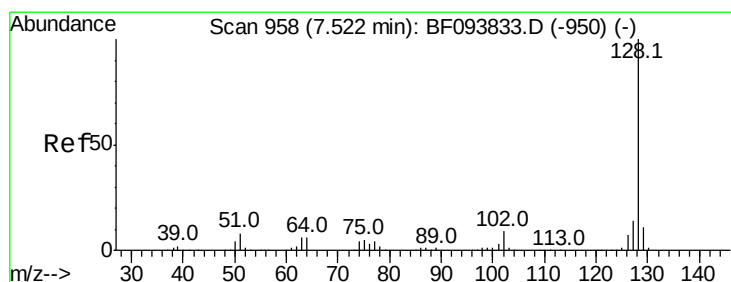
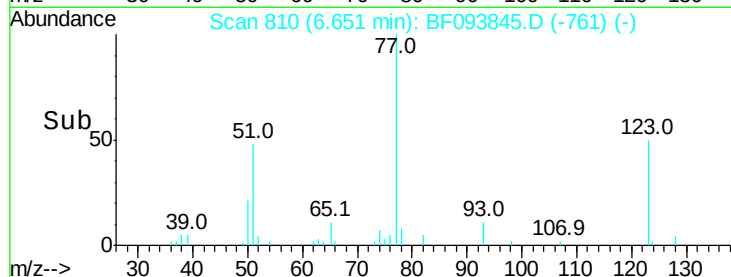
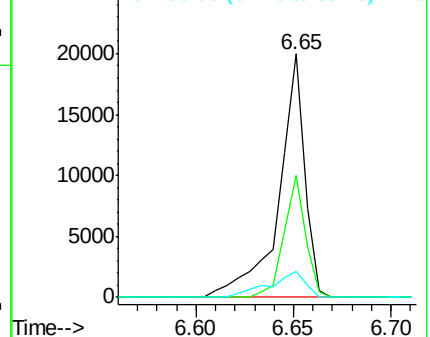
65 10.7 10.6 15.8



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BF0



#31

Naphthalene

Concen: 1.24 ng

RT: 7.51 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF093845.D

Acq: 22 Mar 2017 21:12

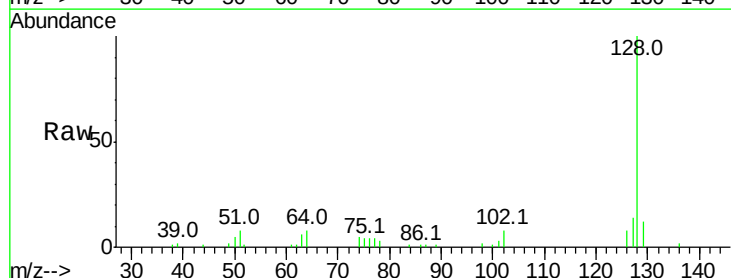
Tgt Ion: 128 Resp: 44934

Ion Ratio Lower Upper

128 100

129 11.6 9.0 13.6

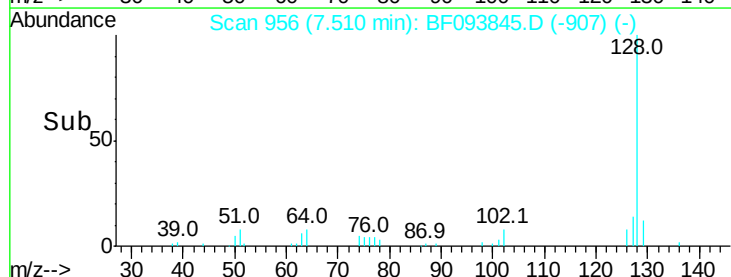
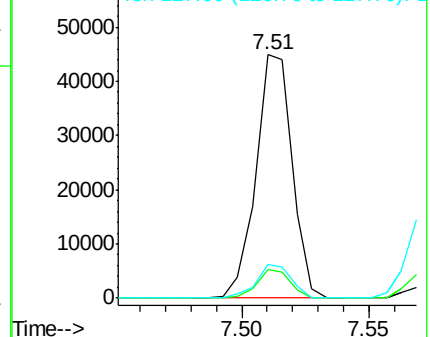
127 13.8 10.8 16.2

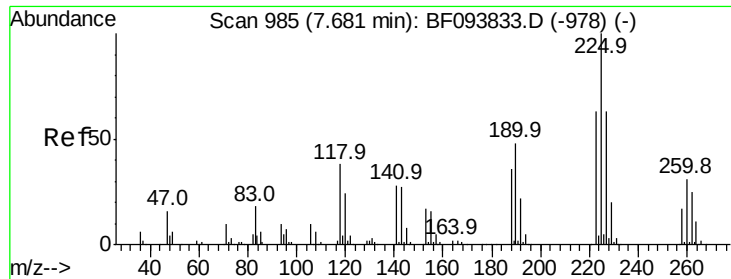


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

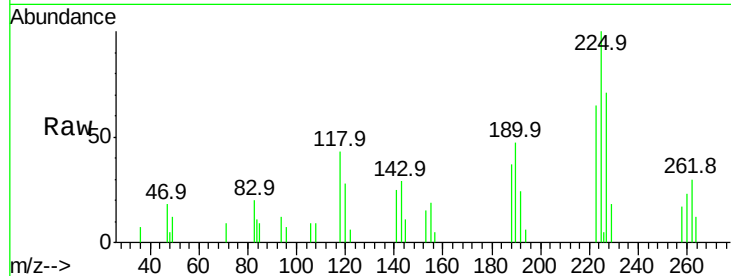




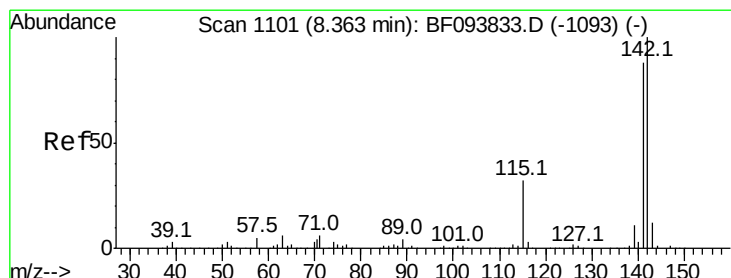
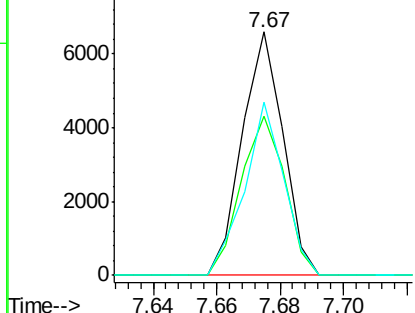
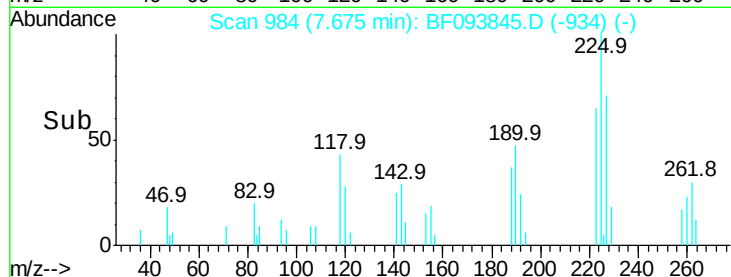
#34
Hexachlorobutadiene
Concen: 1.11 ng
RT: 7.67 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF093845.D
Acq: 22 Mar 2017 21:12

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT2-2017

Tot Ion:225 Resp: 5892
Ion Ratio Lower Upper
225 100
223 65.2 48.8 73.2
227 70.9 51.1 76.7

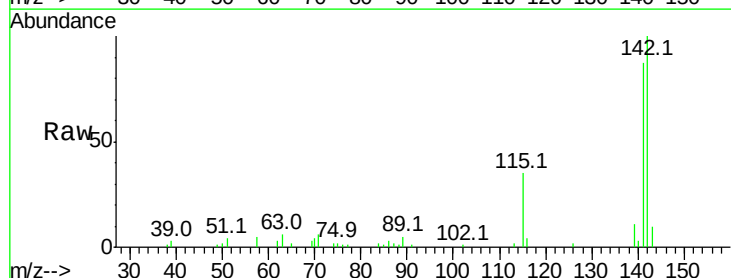


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

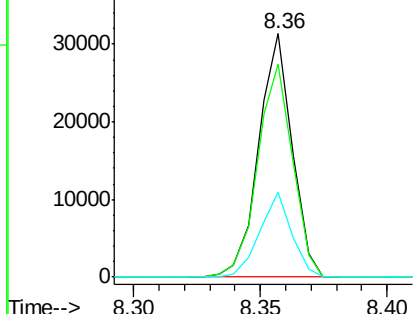
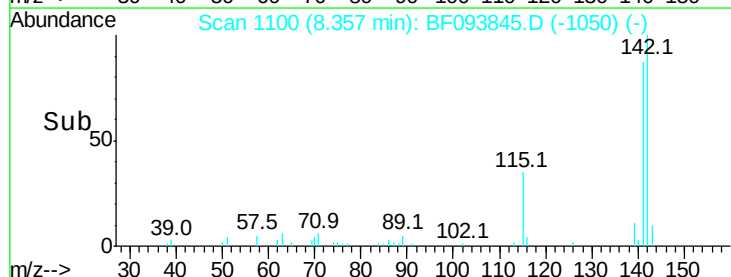


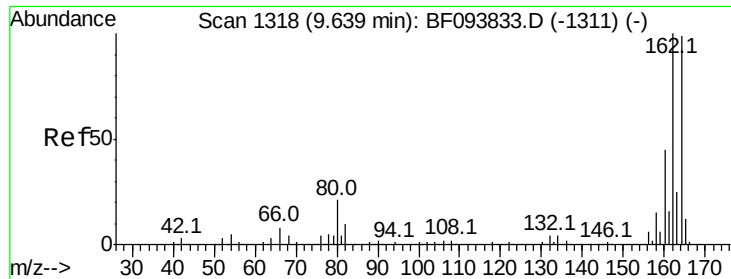
#37
2-Methylnaphthalene
Concen: 1.19 ng
RT: 8.36 min Scan# 1100
Delta R.T. -0.01 min
Lab File: BF093845.D
Acq: 22 Mar 2017 21:12

Tgt Ion:142 Resp: 28709
Ion Ratio Lower Upper
142 100
141 87.4 71.3 106.9
115 34.7 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

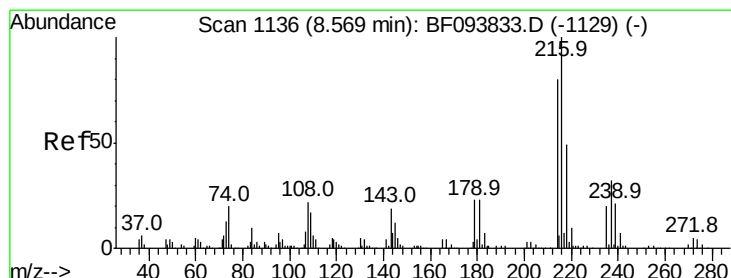
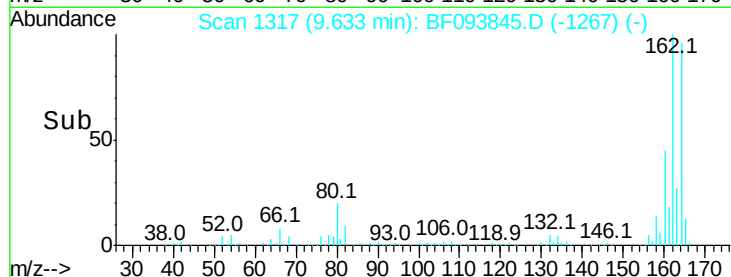
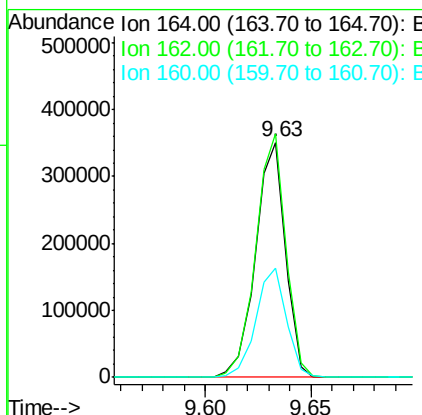
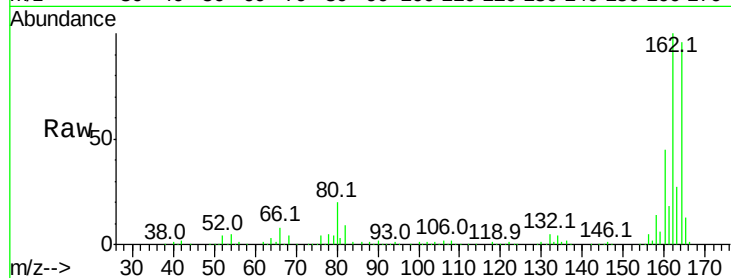




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.63 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: BF093845.D
 Acq: 22 Mar 2017 21:12

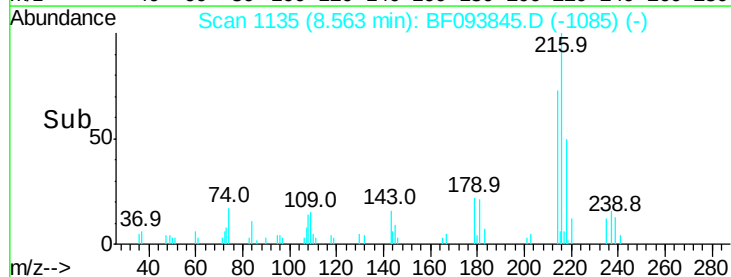
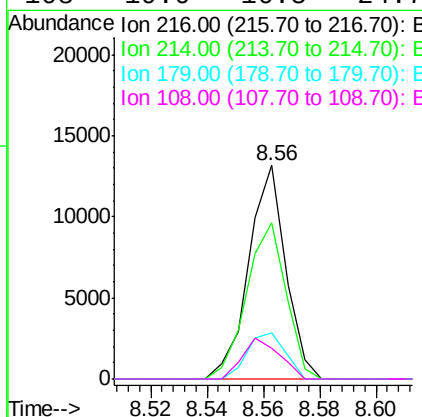
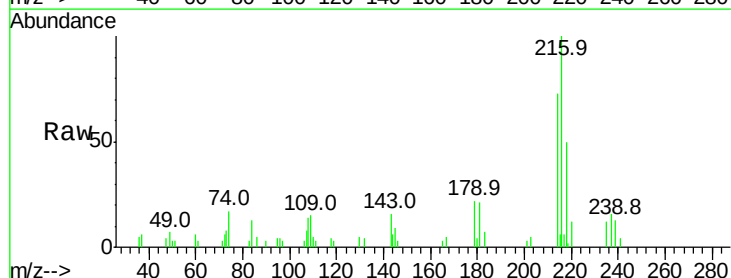
Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER-05-QT2-2017

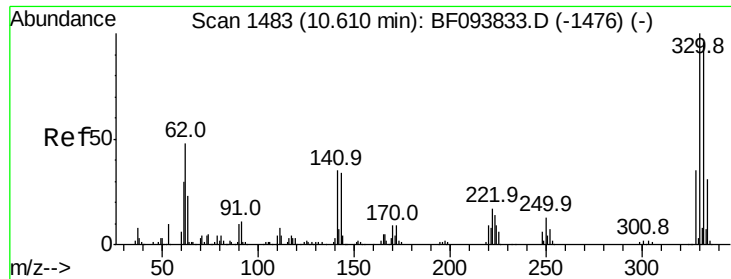
Tot Ion:164 Resp: 345955
 Ion Ratio Lower Upper
 164 100
 162 103.7 82.6 123.8
 160 46.8 36.2 54.2



#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 1.27 ng
 RT: 8.56 min Scan# 1135
 Delta R.T. -0.01 min
 Lab File: BF093845.D
 Acq: 22 Mar 2017 21:12

Tgt Ion:216 Resp: 12001
 Ion Ratio Lower Upper
 216 100
 214 78.0 63.4 95.2
 179 22.2 17.9 26.9
 108 19.0 16.5 24.7

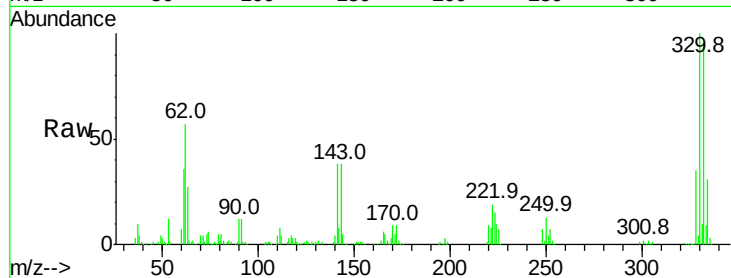




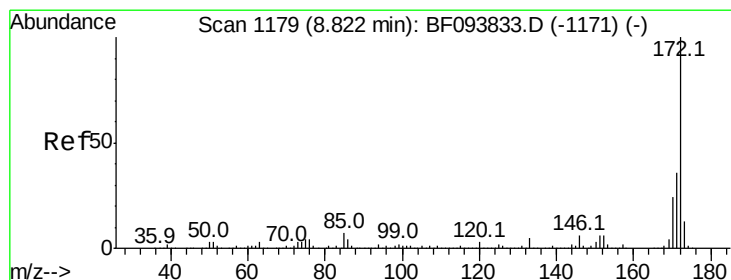
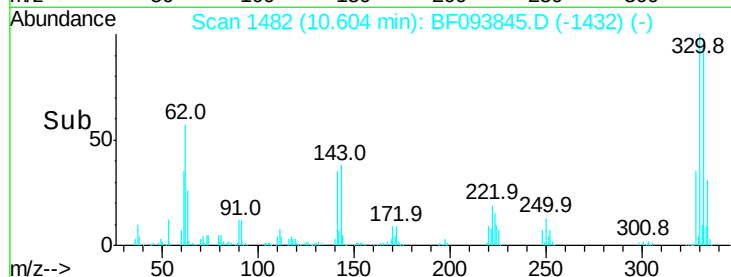
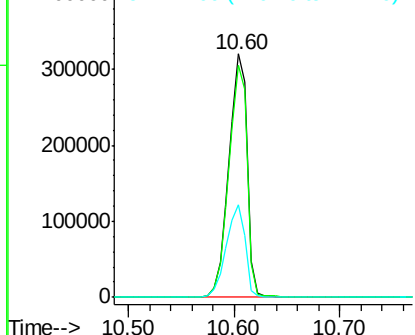
#41
 2,4,6-Tribromophenol
 Concen: 139.68 ng
 RT: 10.60 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF093845.D
 Acq: 22 Mar 2017 21:12

Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER-05-QT2-2017

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.6	115.0
141	39.5	31.4	47.2

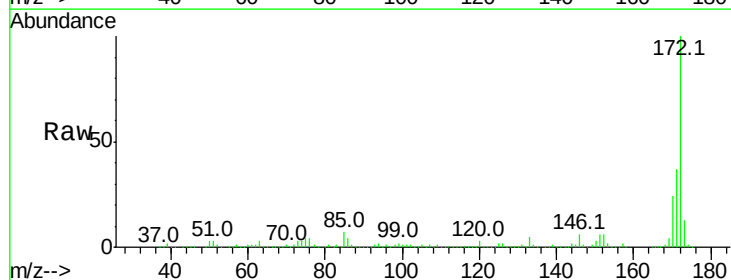


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

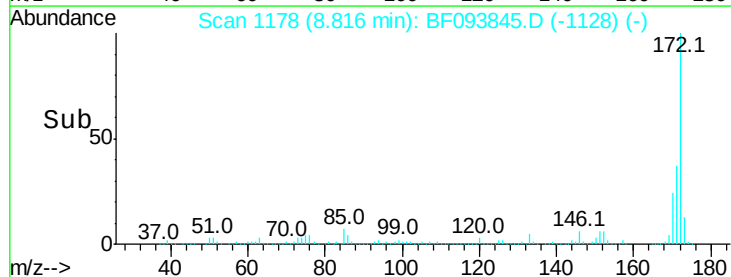
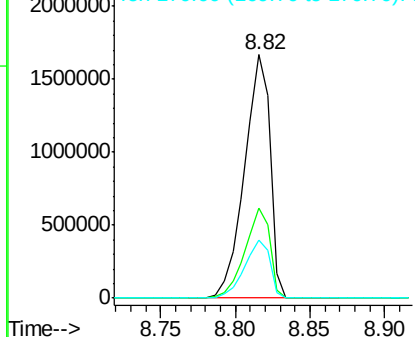


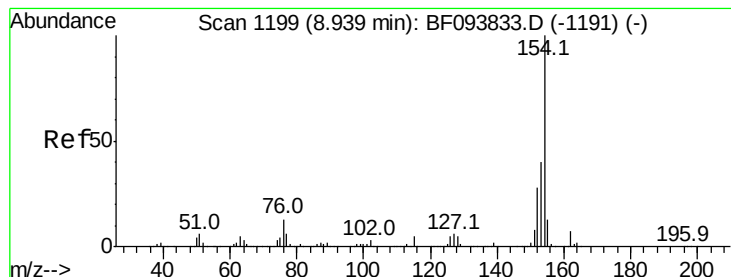
#44
 2-Fluorobiphenyl
 Concen: 87.04 ng
 RT: 8.82 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BF093845.D
 Acq: 22 Mar 2017 21:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.6	44.4
170	23.9	19.8	29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 1.39 ng

RT: 8.93 min Scan# 1197

Delta R.T. -0.01 min

Lab File: BF093845.D

Acq: 22 Mar 2017 21:12

Instrument :

BNA_F

ClientSampleId :

LOD-WATER-05-QT2-2017

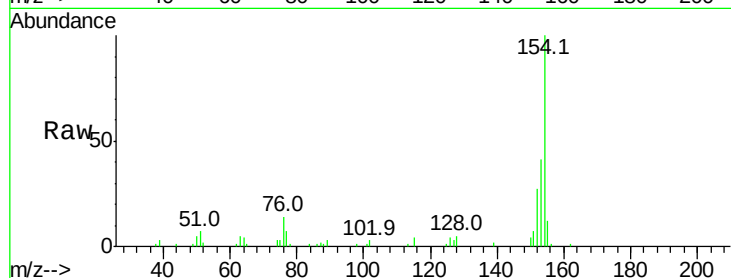
Tot Ion:154 Resp: 38725

Ion Ratio Lower Upper

154 100

153 40.9 21.2 61.2

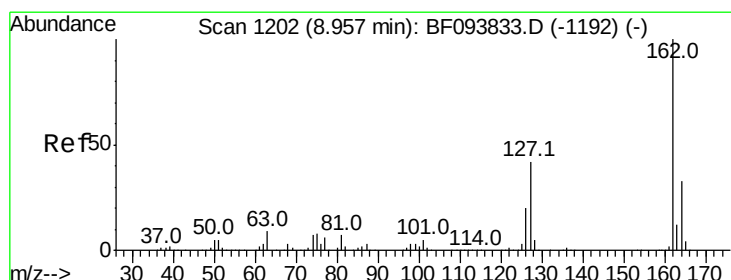
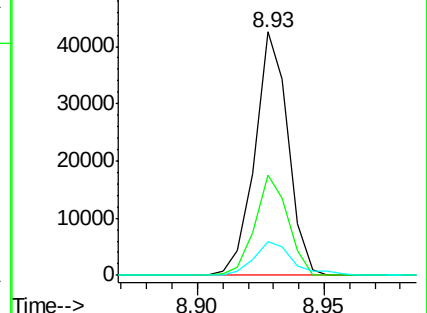
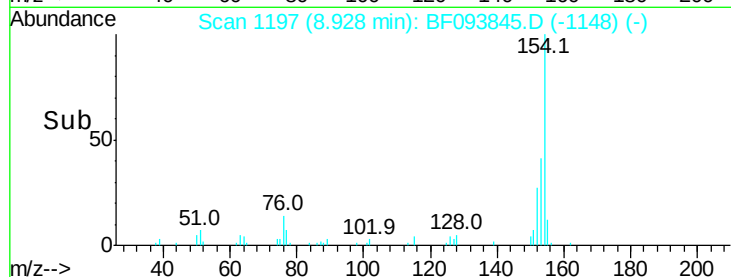
76 14.0 0.0 29.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 1.22 ng

RT: 8.95 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF093845.D

Acq: 22 Mar 2017 21:12

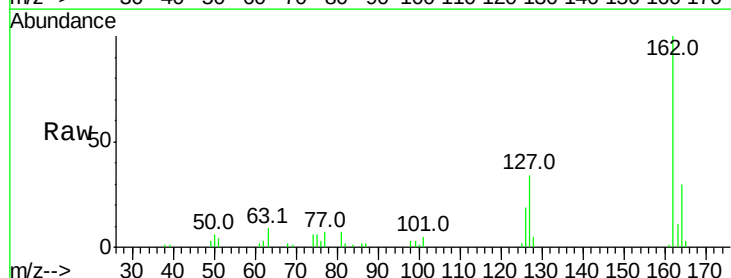
Tgt Ion:162 Resp: 26637

Ion Ratio Lower Upper

162 100

127 33.7 28.3 42.5

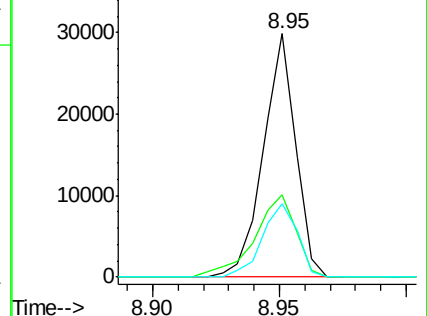
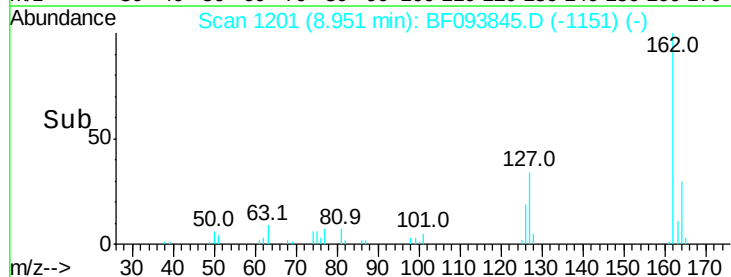
164 30.0 27.0 40.4

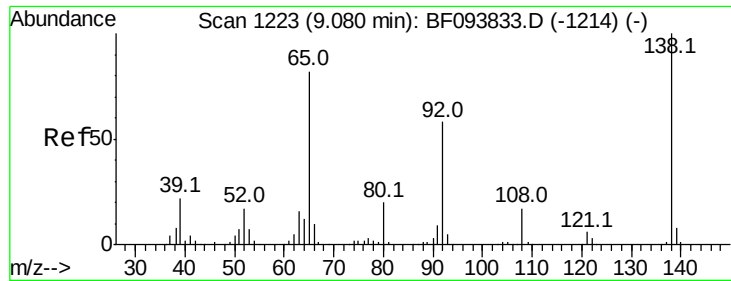


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 0.93 ng

RT: 9.06 min Scan# 1220

Delta R.T. -0.02 min

Lab File: BF093845.D

Acq: 22 Mar 2017 21:12

Instrument :

BNA_F

ClientSampleId :

LOD-WATER-05-QT2-2017

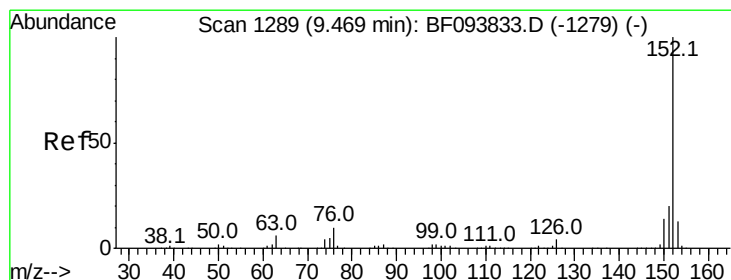
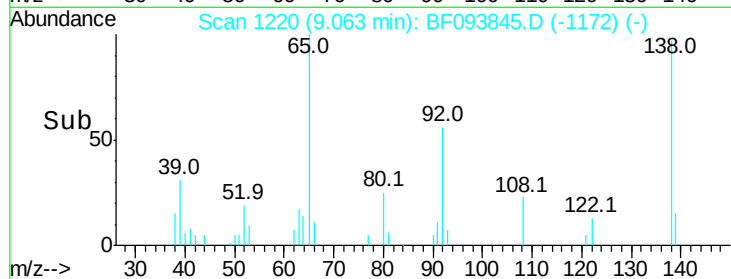
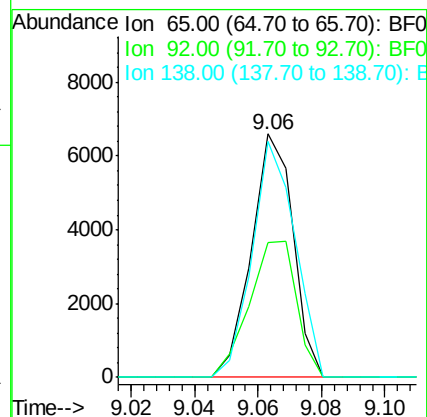
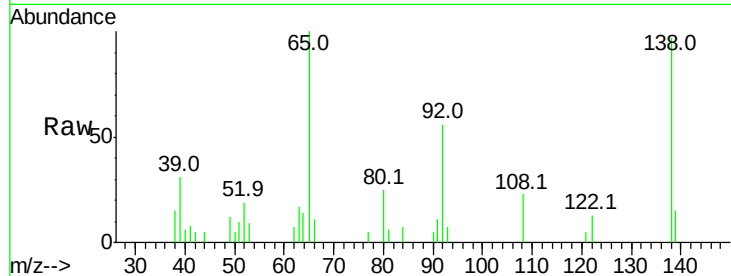
Tot Ion: 65 Resp: 6009

Ion Ratio Lower Upper

65 100

92 55.5 53.9 80.9

138 96.9 78.8 118.2



#48

Acenaphthylene

Concen: 1.16 ng

RT: 9.46 min Scan# 1287

Delta R.T. -0.01 min

Lab File: BF093845.D

Acq: 22 Mar 2017 21:12

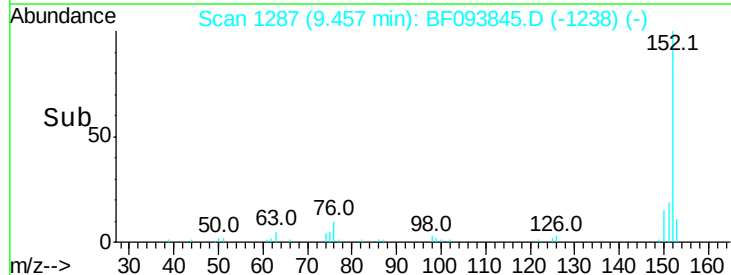
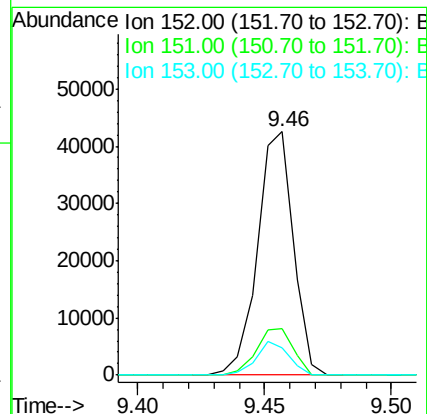
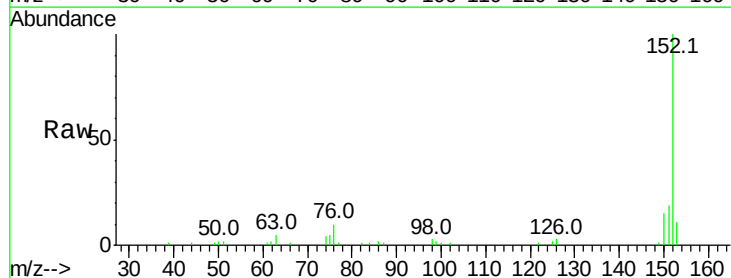
Tgt Ion: 152 Resp: 42103

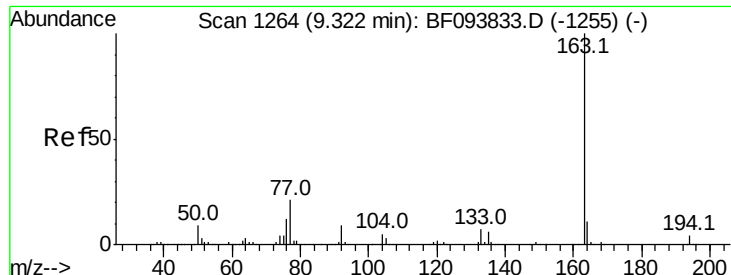
Ion Ratio Lower Upper

152 100

151 19.0 16.8 25.2

153 11.3 10.8 16.2

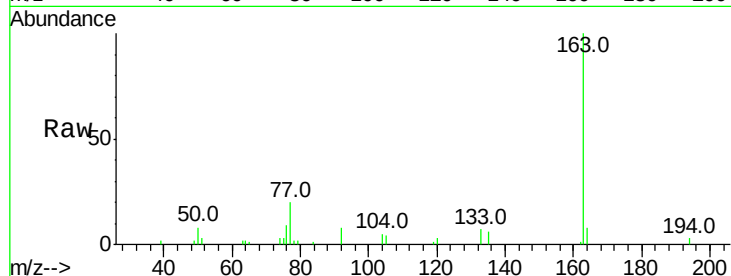




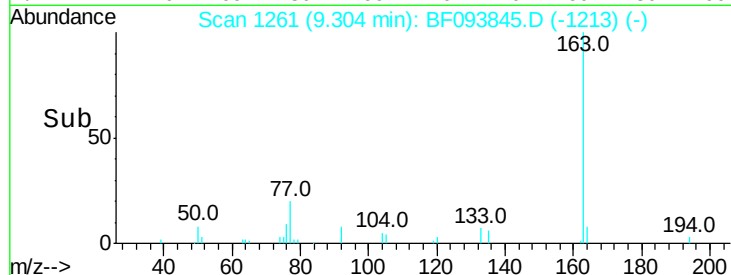
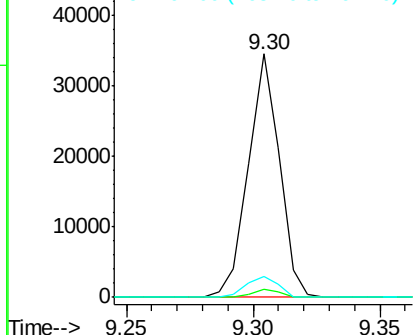
#49
Dimethylphthalate
Concen: 1.20 ng
RT: 9.30 min Scan# 1261
Delta R.T. -0.02 min
Lab File: BF093845.D
Acq: 22 Mar 2017 21:12

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT2-2017

Tot Ion:163 Resp: 29593
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 8.4 8.4 12.6

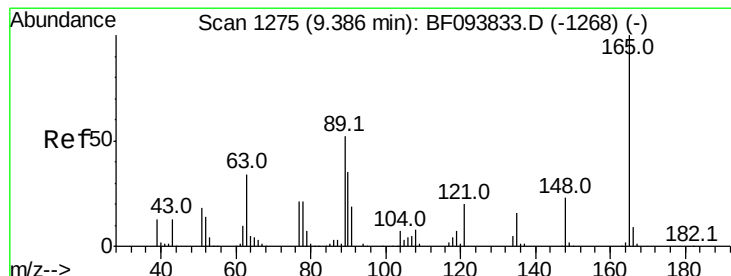


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

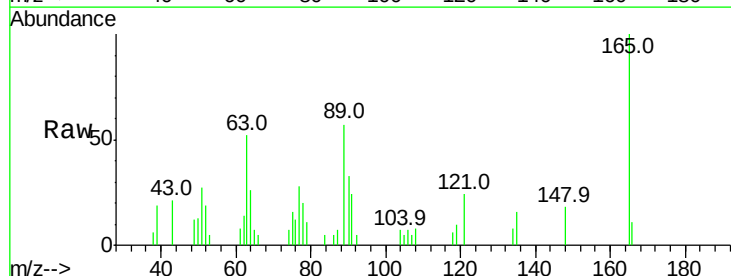
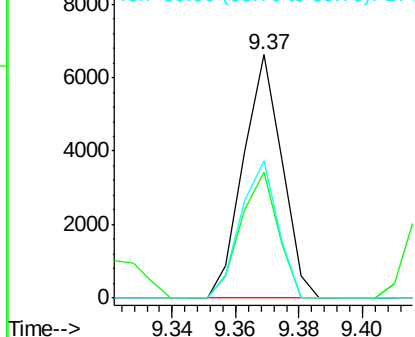


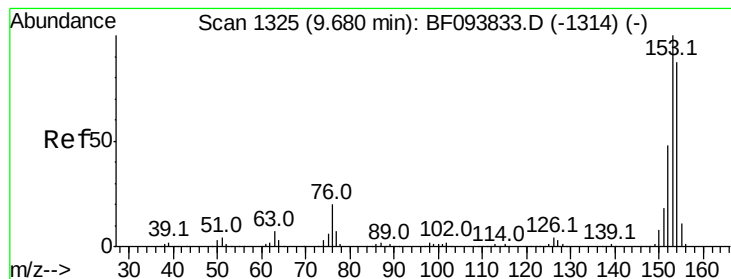
#50
2,6-Dinitrotoluene
Concen: 1.00 ng
RT: 9.37 min Scan# 1272
Delta R.T. -0.02 min
Lab File: BF093845.D
Acq: 22 Mar 2017 21:12

Tgt Ion:165 Resp: 5620
Ion Ratio Lower Upper
165 100
63 51.9 34.3 51.5#
89 56.6 37.1 55.7#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 1.21 ng

RT: 9.67 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF093845.D

Acq: 22 Mar 2017 21:12

Instrument :

BNA_F

ClientSampleId :

LOD-WATER-05-QT2-2017

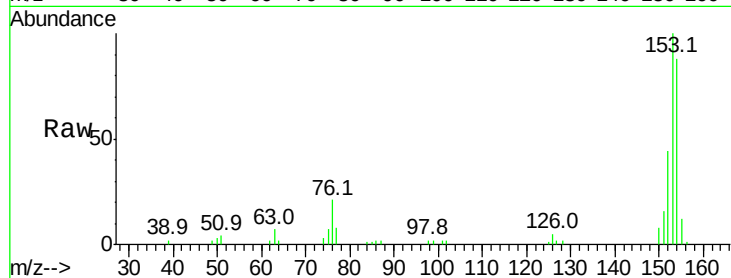
Tot Ion:154 Resp: 25723

Ion Ratio Lower Upper

154 100

153 114.0 90.5 135.7

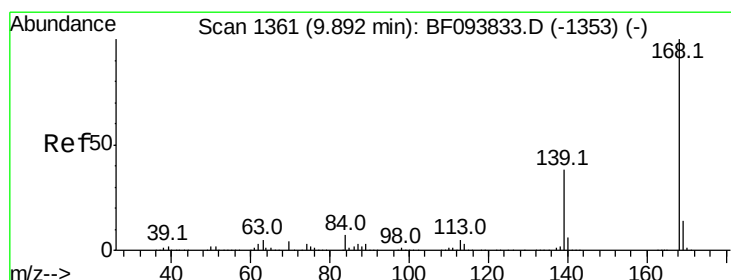
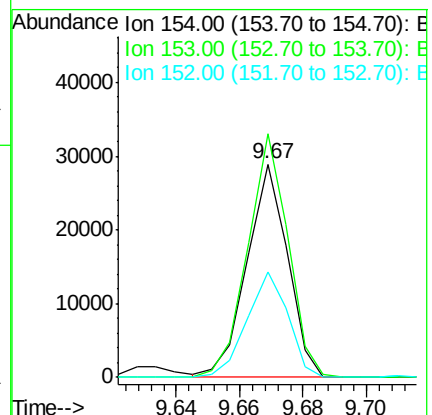
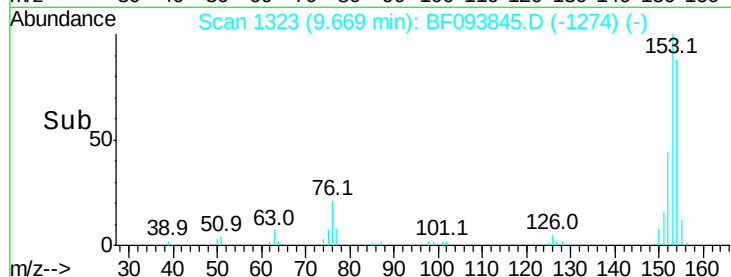
152 49.7 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 1.26 ng

RT: 9.88 min Scan# 1359

Delta R.T. -0.01 min

Lab File: BF093845.D

Acq: 22 Mar 2017 21:12

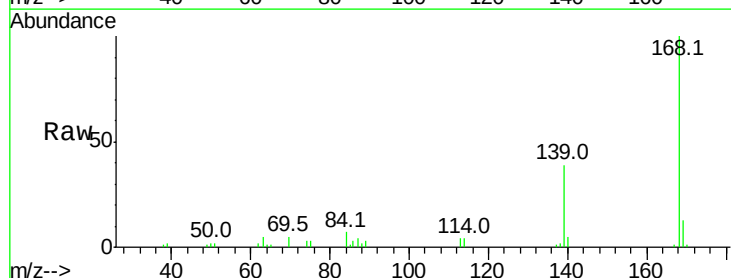
Tgt Ion:168 Resp: 36270

Ion Ratio Lower Upper

168 100

139 38.8 30.6 45.8

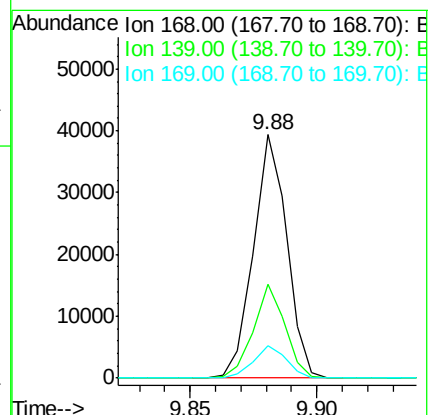
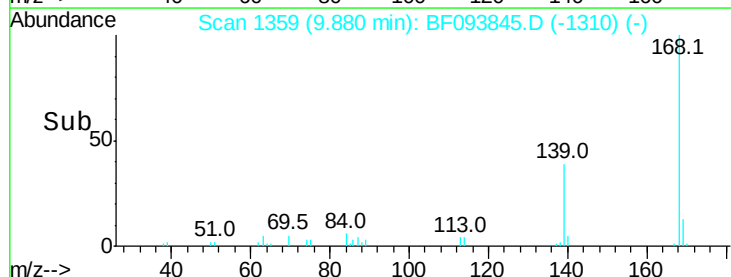
169 13.5 10.8 16.2

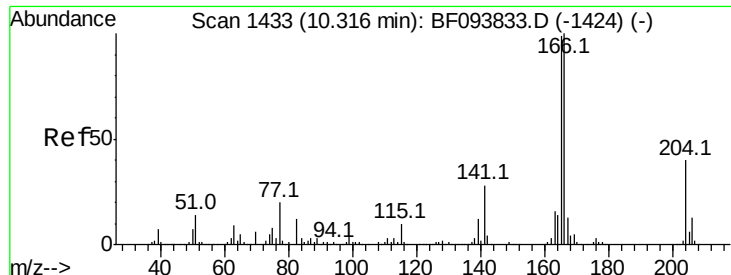


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

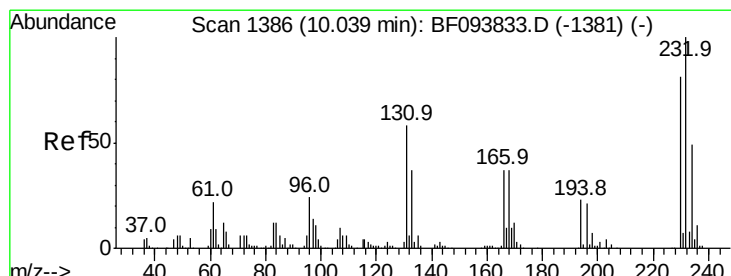
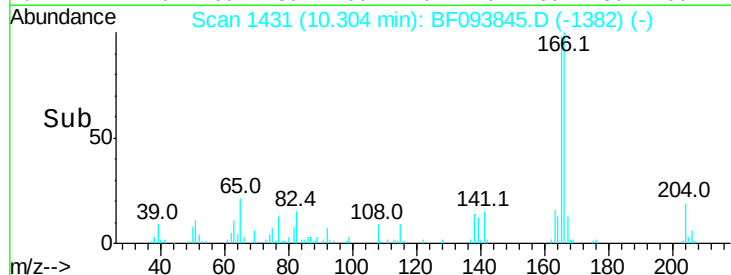
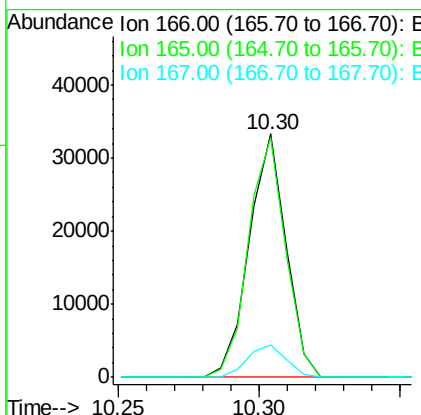
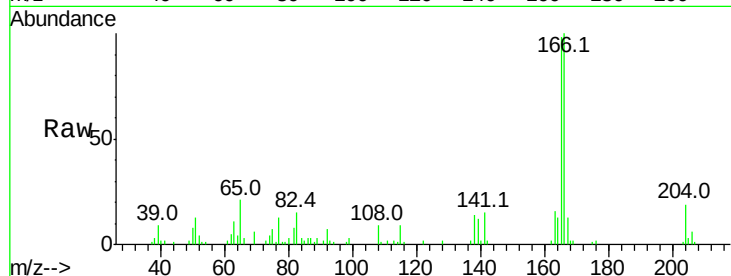




#57
 Fluorene
 Concen: 1.26 ng
 RT: 10.30 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BF093845.D
 Acq: 22 Mar 2017 21:12

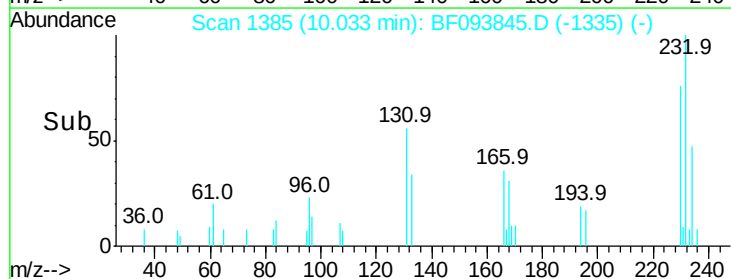
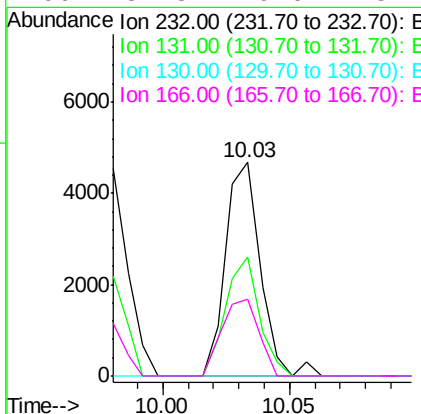
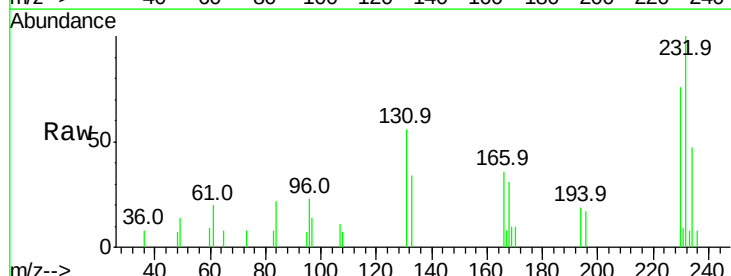
Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER-05-QT2-2017

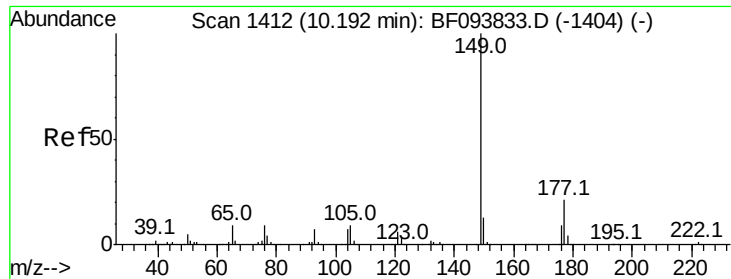
Tot Ion:166 Resp: 30180
 Ion Ratio Lower Upper
 166 100
 165 98.2 78.8 118.2
 167 13.1 10.6 16.0



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 0.90 ng
 RT: 10.03 min Scan# 1385
 Delta R.T. -0.01 min
 Lab File: BF093845.D
 Acq: 22 Mar 2017 21:12

Tgt Ion:232 Resp: 4469
 Ion Ratio Lower Upper
 232 100
 131 54.0 44.8 67.2
 130 0.0 2.3 3.5#
 166 37.8 29.0 43.4

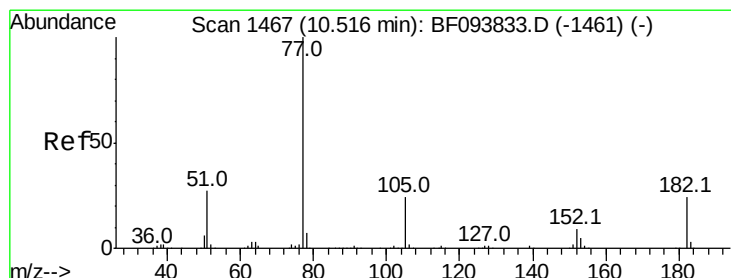
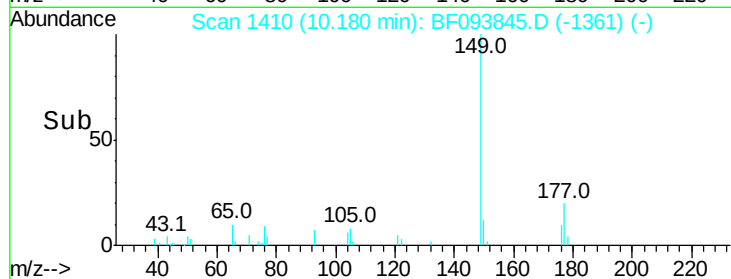
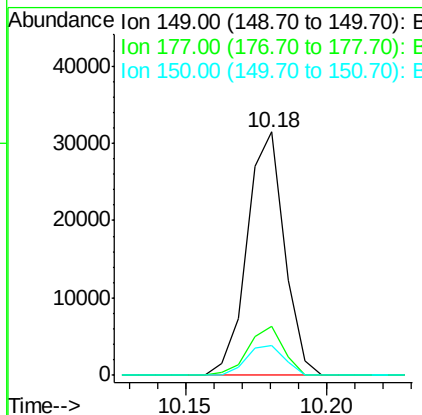
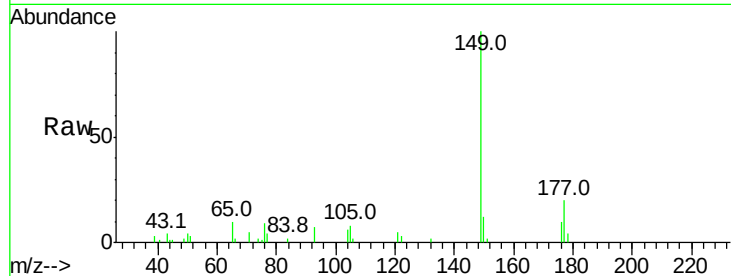




#59
Diethylphthalate
Concen: 1.18 ng
RT: 10.18 min Scan# 1410
Delta R.T. -0.01 min
Lab File: BF093845.D
Acq: 22 Mar 2017 21:12

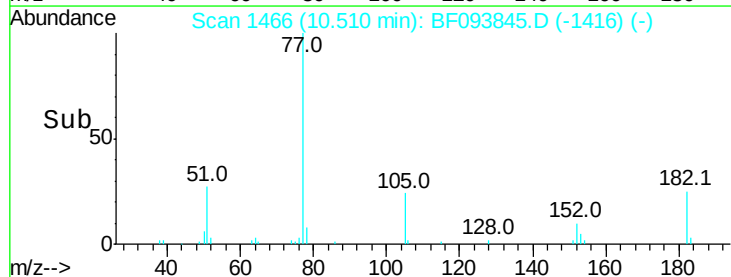
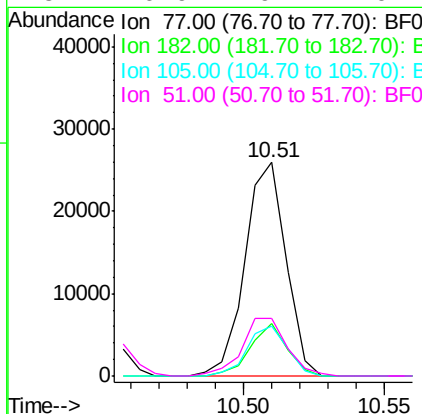
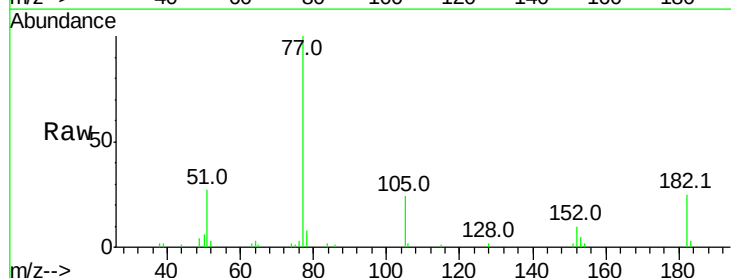
Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT2-2017

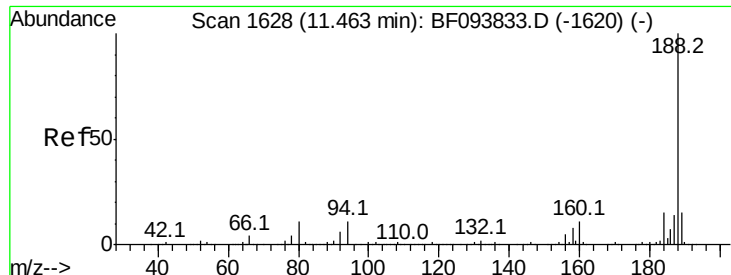
Tot Ion:149 Resp: 28777
Ion Ratio Lower Upper
149 100
177 20.2 16.7 25.1
150 12.4 10.2 15.2



#62
Azobenzene
Concen: 1.14 ng
RT: 10.51 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF093845.D
Acq: 22 Mar 2017 21:12

Tgt Ion: 77 Resp: 26212
Ion Ratio Lower Upper
77 100
182 24.6 0.1 40.1
105 23.6 3.6 43.6
51 26.9 9.4 49.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.46 min Scan# 1627

Delta R.T. -0.01 min

Lab File: BF093845.D

Acq: 22 Mar 2017 21:12

Instrument :

BNA_F

ClientSampleId :

LOD-WATER-05-QT2-2017

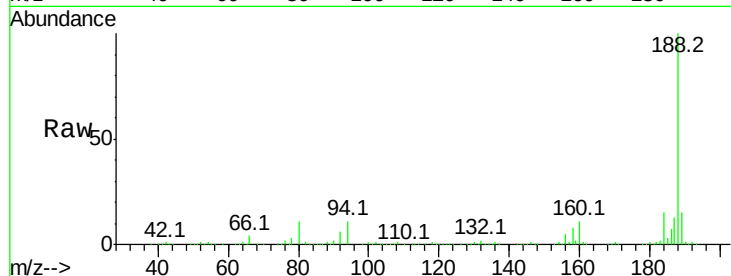
Tot Ion:188 Resp: 615492

Ion Ratio Lower Upper

188 100

94 10.8 9.4 14.2

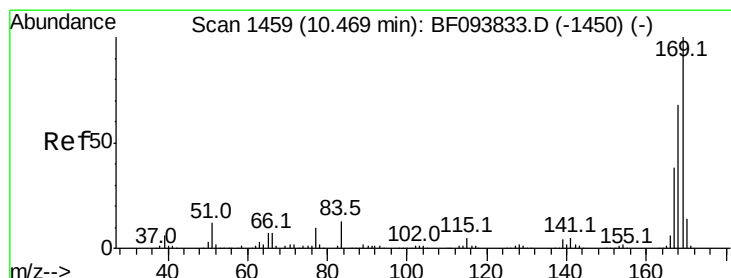
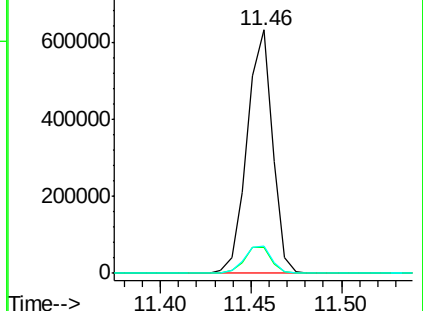
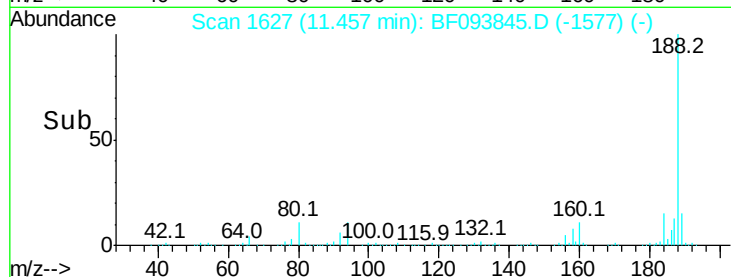
80 11.2 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#65

n-Nitrosodiphenylamine

Concen: 1.16 ng

RT: 10.46 min Scan# 1457

Delta R.T. -0.01 min

Lab File: BF093845.D

Acq: 22 Mar 2017 21:12

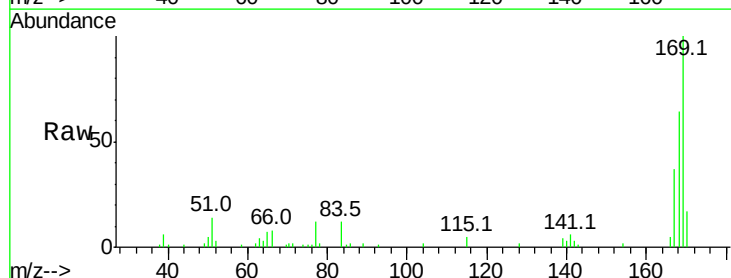
Tgt Ion:169 Resp: 24588

Ion Ratio Lower Upper

169 100

168 63.8 53.2 79.8

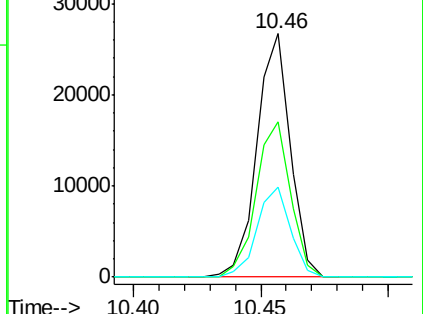
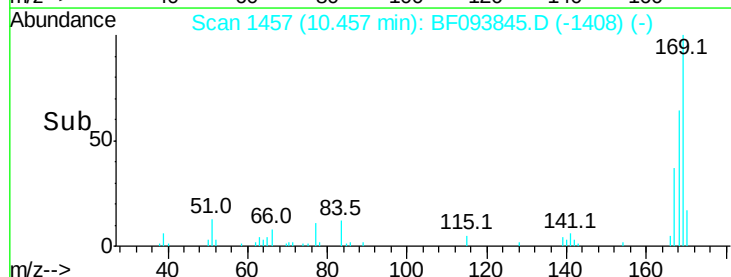
167 36.9 29.5 44.3

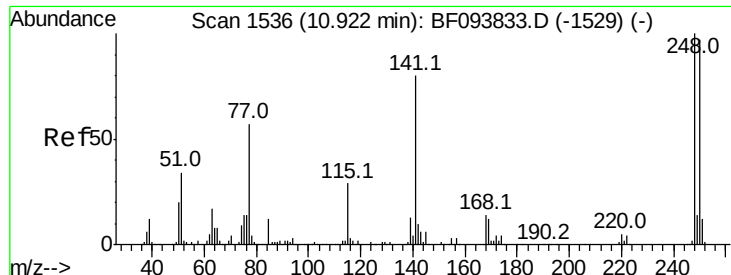


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

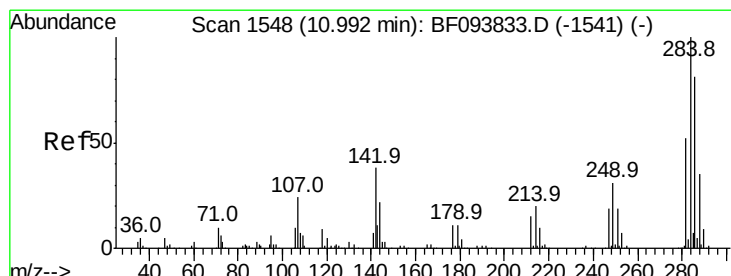
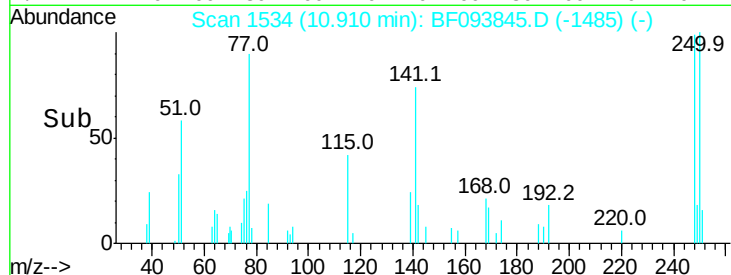
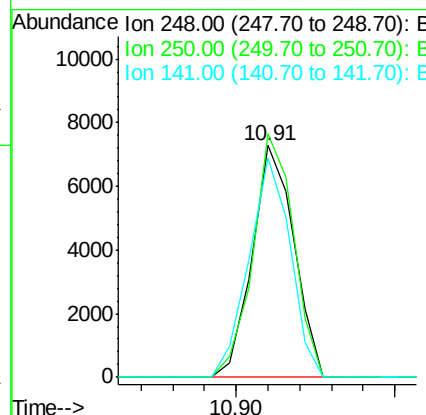
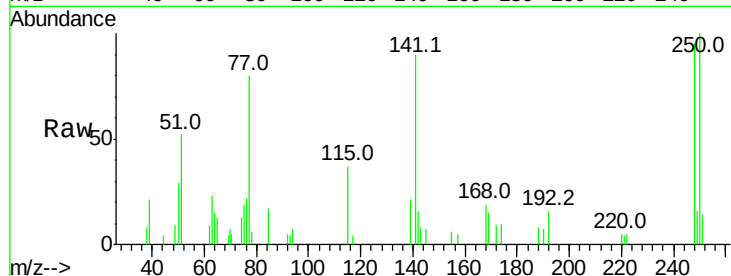




#66
 4-Bromophenyl-phenylether
 Concen: 1.09 ng
 RT: 10.91 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: BF093845.D
 Acq: 22 Mar 2017 21:12

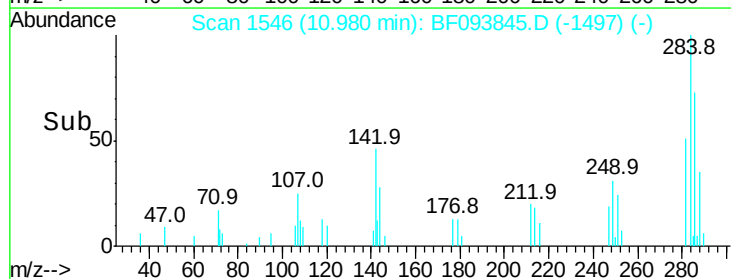
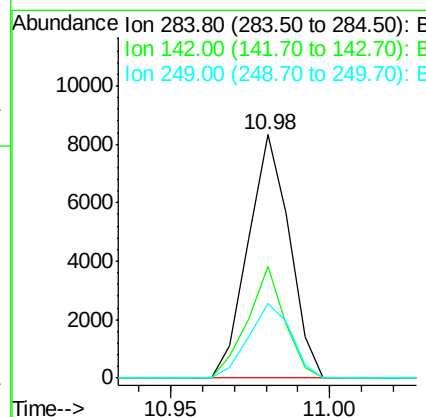
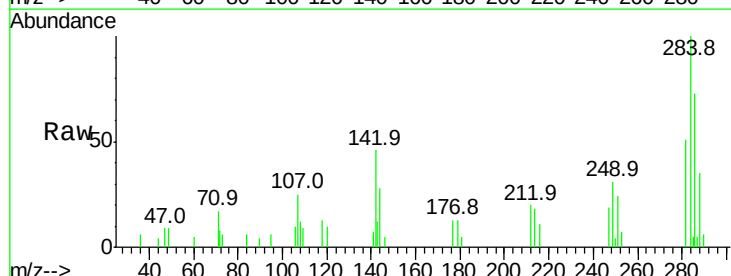
Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER-05-QT2-2017

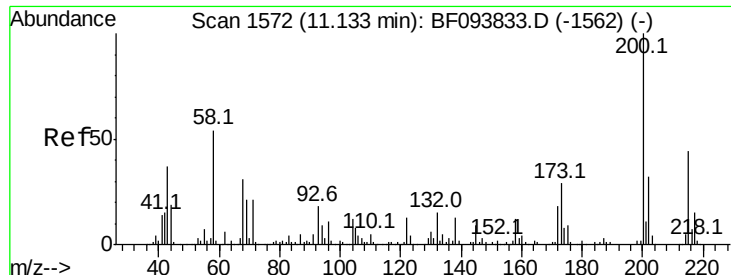
Tot Ion:248 Resp: 6610
 Ion Ratio Lower Upper
 248 100
 250 105.1 76.8 115.2
 141 94.4 68.6 103.0



#67
 Hexachlorobenzene
 Concen: 1.23 ng
 RT: 10.98 min Scan# 1546
 Delta R.T. -0.01 min
 Lab File: BF093845.D
 Acq: 22 Mar 2017 21:12

Tgt Ion:284 Resp: 7522
 Ion Ratio Lower Upper
 284 100
 142 46.0 22.8 34.2#
 249 30.8 24.0 36.0

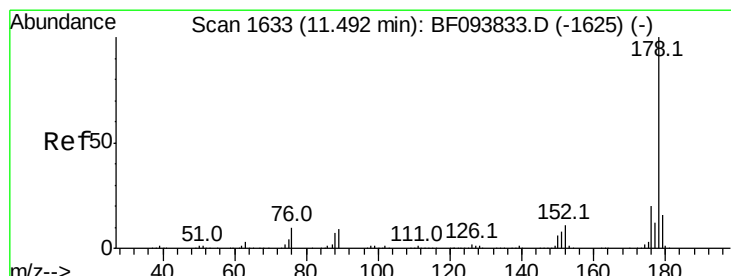
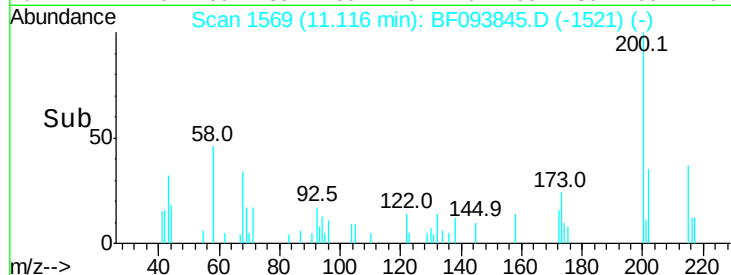
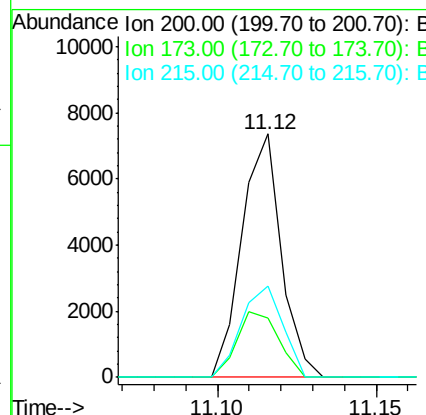
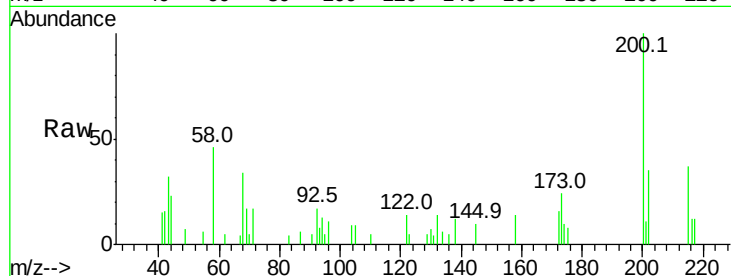




#68
 Atrazine
 Concen: 0.99 ng
 RT: 11.12 min Scan# 1569
 Delta R.T. -0.02 min
 Lab File: BF093845.D
 Acq: 22 Mar 2017 21:12

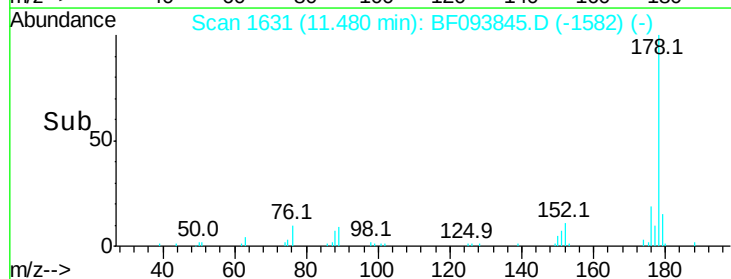
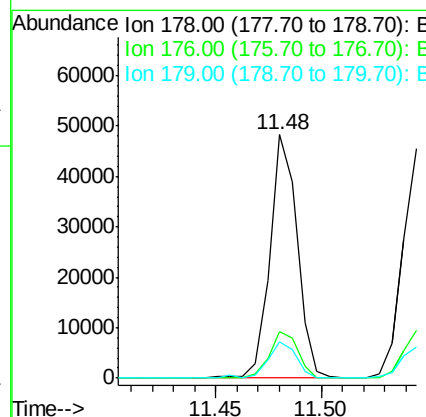
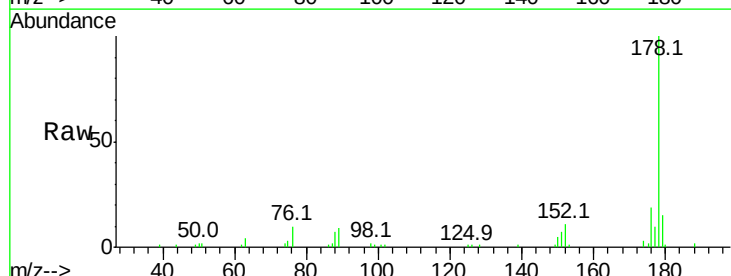
Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER-05-QT2-2017

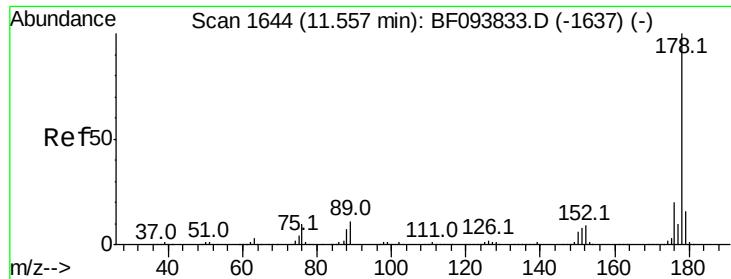
Tot Ion:200 Resp: 6320
 Ion Ratio Lower Upper
 200 100
 173 24.2 6.3 46.3
 215 37.3 27.2 67.2



#70
 Phenanthrene
 Concen: 1.27 ng
 RT: 11.48 min Scan# 1631
 Delta R.T. -0.01 min
 Lab File: BF093845.D
 Acq: 22 Mar 2017 21:12

Tgt Ion:178 Resp: 43506
 Ion Ratio Lower Upper
 178 100
 176 19.0 16.2 24.4
 179 14.9 12.6 19.0

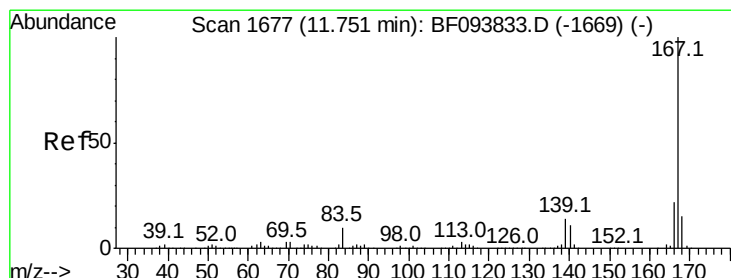
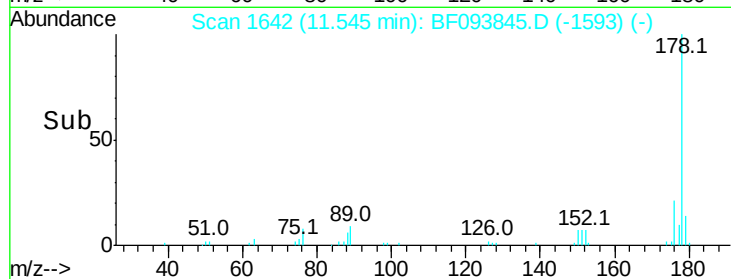
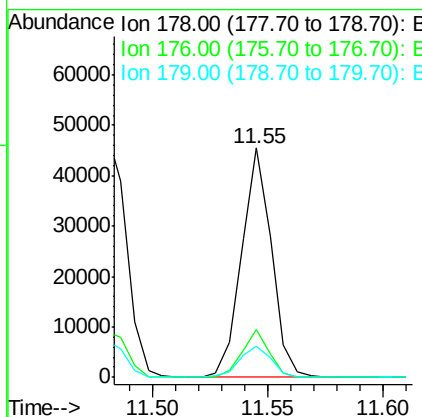
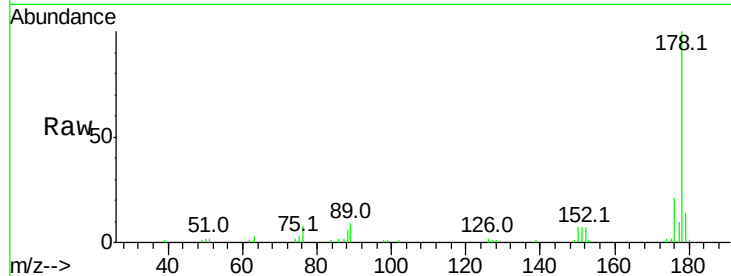




#71
 Anthracene
 Concen: 1.17 ng
 RT: 11.55 min Scan# 1642
 Delta R.T. -0.01 min
 Lab File: BF093845.D
 Acq: 22 Mar 2017 21:12

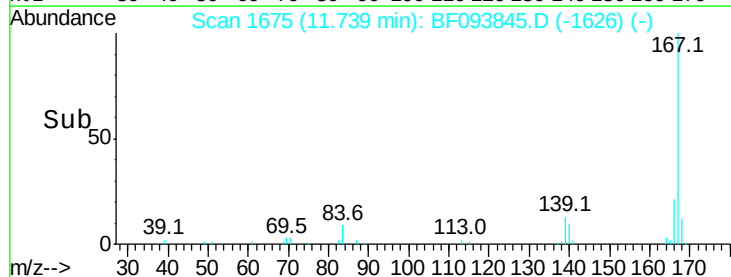
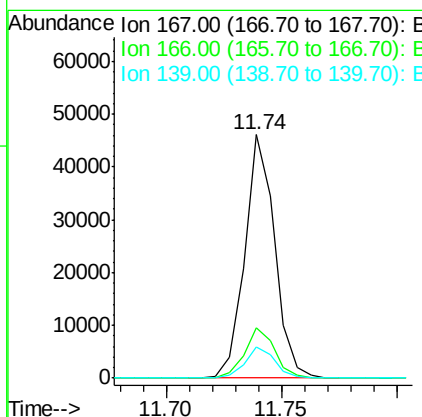
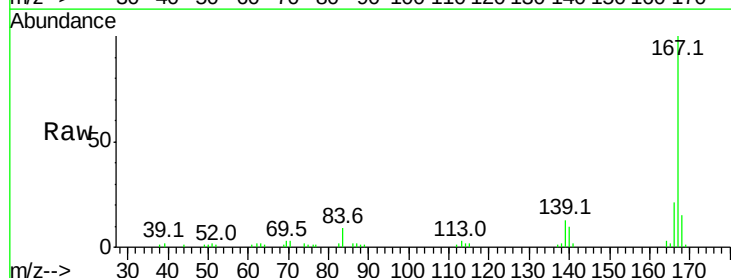
Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER-05-QT2-2017

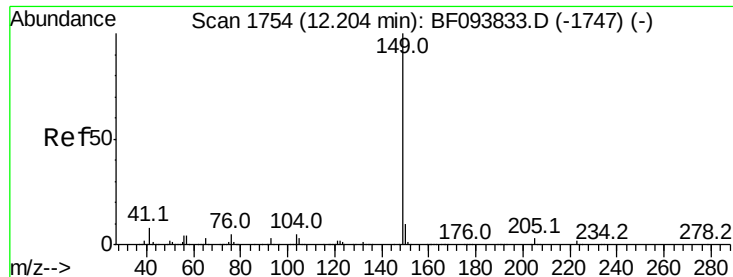
Tot Ion:178 Resp: 41291
 Ion Ratio Lower Upper
 178 100
 176 20.7 15.8 23.8
 179 13.5 12.7 19.1



#72
 Carbazole
 Concen: 1.16 ng
 RT: 11.74 min Scan# 1675
 Delta R.T. -0.01 min
 Lab File: BF093845.D
 Acq: 22 Mar 2017 21:12

Tgt Ion:167 Resp: 41844
 Ion Ratio Lower Upper
 167 100
 166 20.7 18.1 27.1
 139 13.0 11.7 17.5





#73

Di-n-butylphthalate

Concen: 0.97 ng

RT: 12.20 min Scan# 1753

Delta R.T. -0.01 min

Lab File: BF093845.D

Acq: 22 Mar 2017 21:12

Instrument :

BNA_F

ClientSampleId :

LOD-WATER-05-QT2-2017

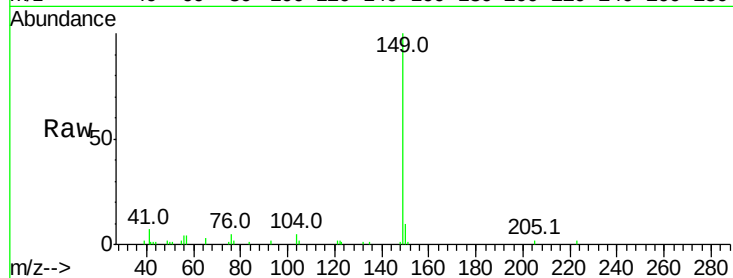
Tot Ion:149 Resp: 36627

Ion Ratio Lower Upper

149 100

150 9.6 7.7 11.5

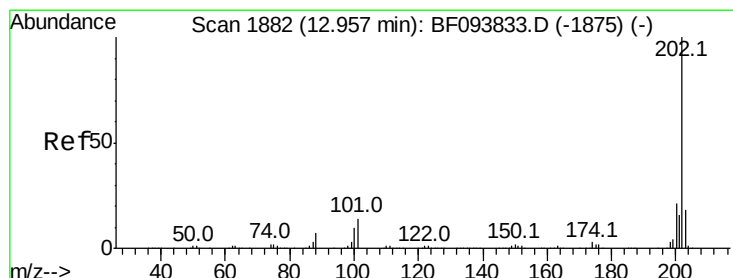
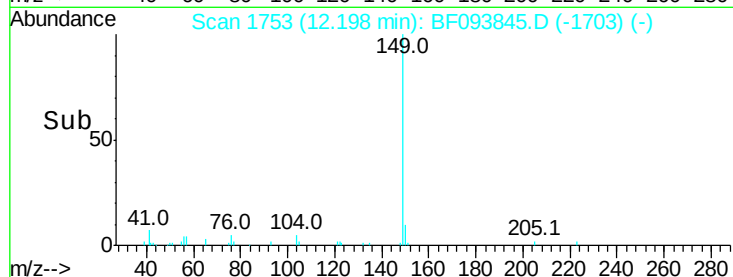
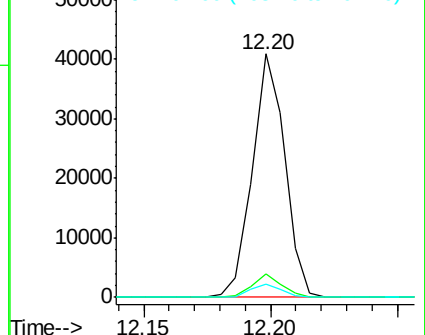
104 5.4 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 1.11 ng

RT: 12.94 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BF093845.D

Acq: 22 Mar 2017 21:12

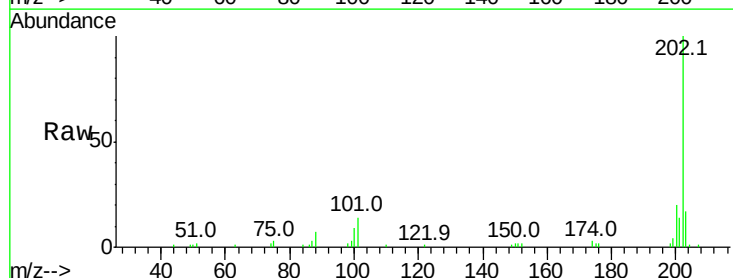
Tgt Ion:202 Resp: 38829

Ion Ratio Lower Upper

202 100

101 14.4 0.0 33.2

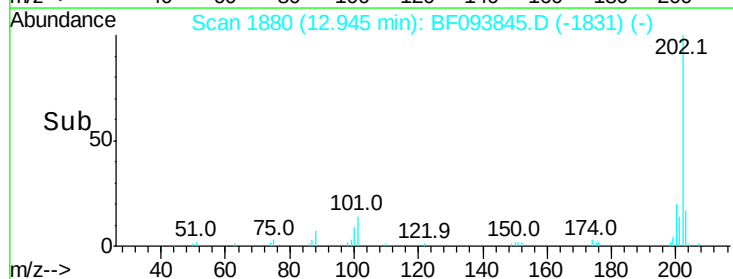
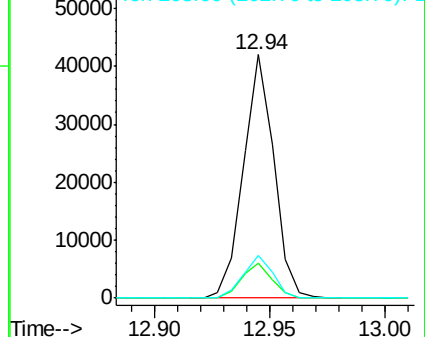
203 17.3 0.0 38.1

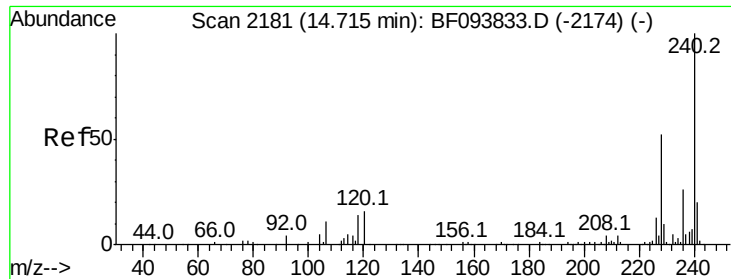


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.71 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BF093845.D

Acq: 22 Mar 2017 21:12

Instrument :

BNA_F

ClientSampleId :

LOD-WATER-05-QT2-2017

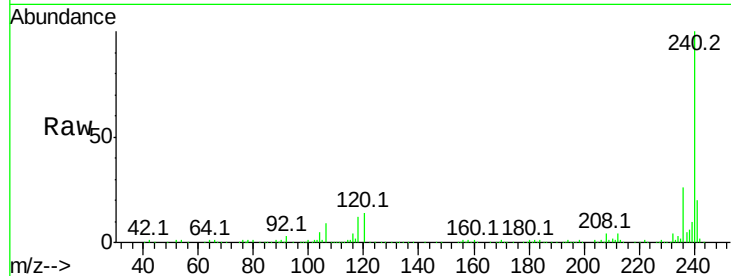
Tot Ion:240 Resp: 519335

Ion Ratio Lower Upper

240 100

120 13.8 5.8 8.8#

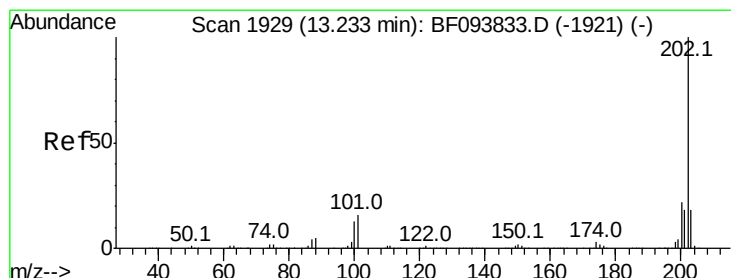
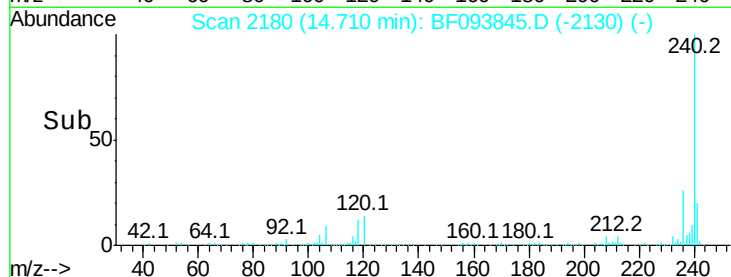
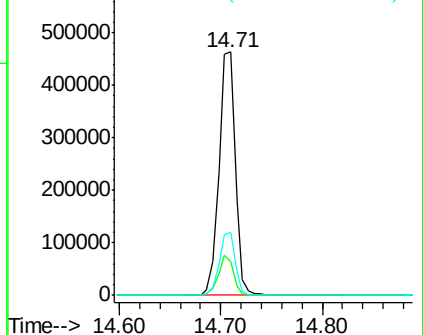
236 25.7 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 1.10 ng

RT: 13.22 min Scan# 1927

Delta R.T. -0.01 min

Lab File: BF093845.D

Acq: 22 Mar 2017 21:12

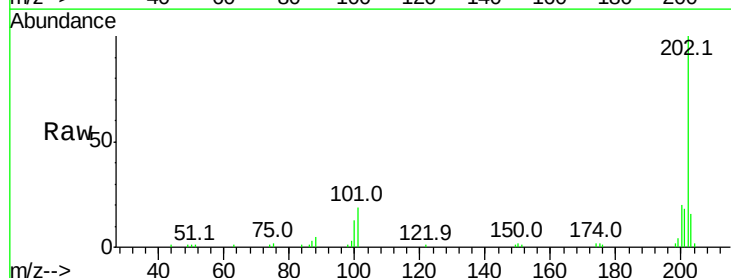
Tgt Ion:202 Resp: 41339

Ion Ratio Lower Upper

202 100

200 19.6 17.6 26.4

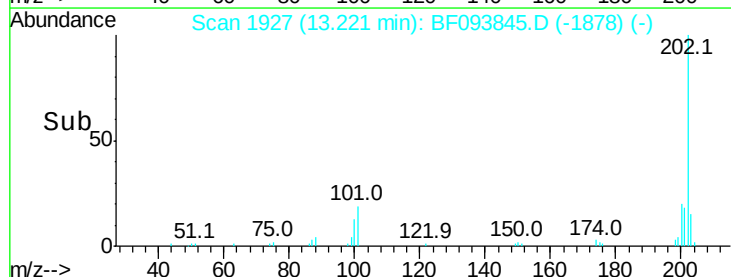
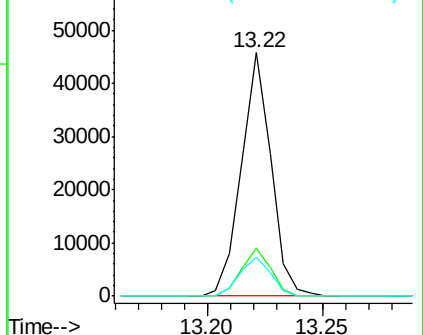
203 15.8 14.4 21.6

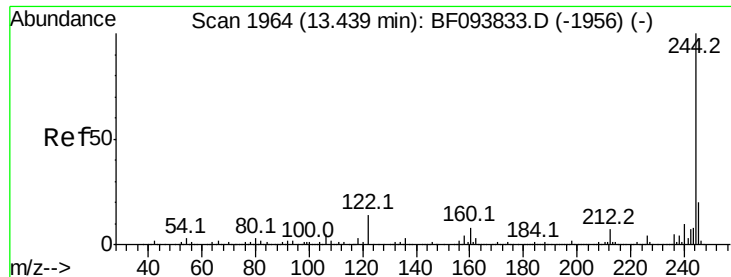


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



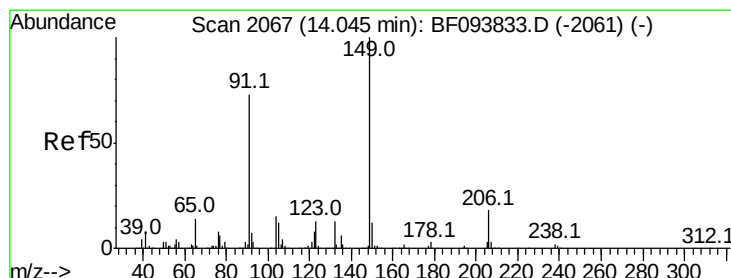
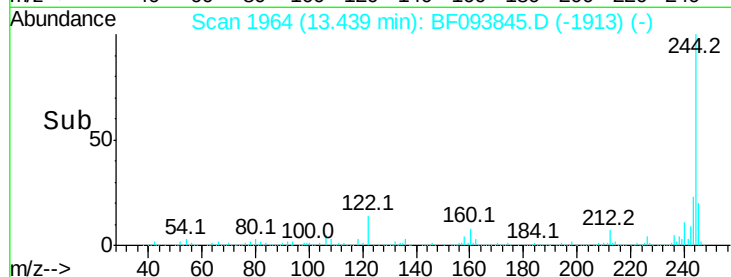
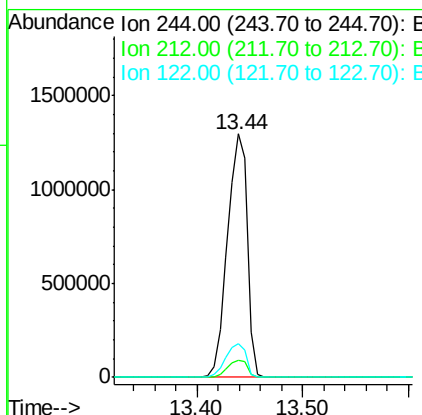
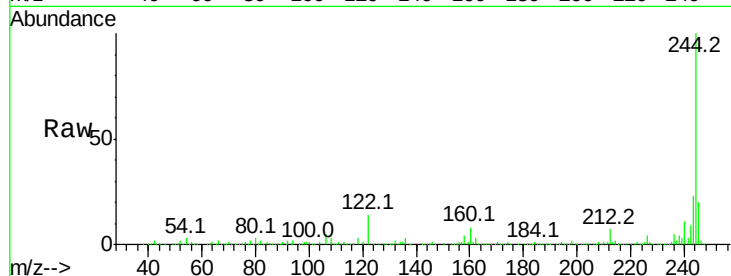


#78
 Terphenyl-d14
 Concen: 72.17 ng
 RT: 13.44 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: BF093845.D
 Acq: 22 Mar 2017 21:12

Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER-05-QT2-2017

Tot Ion:244 Resp: 1672107

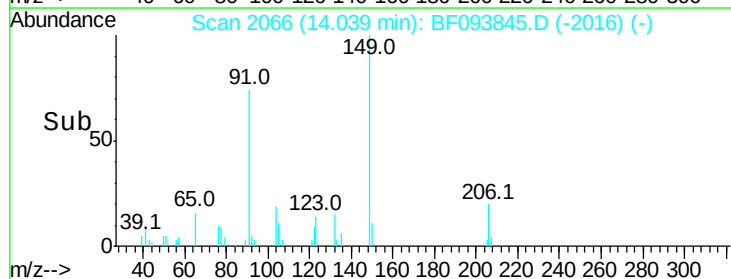
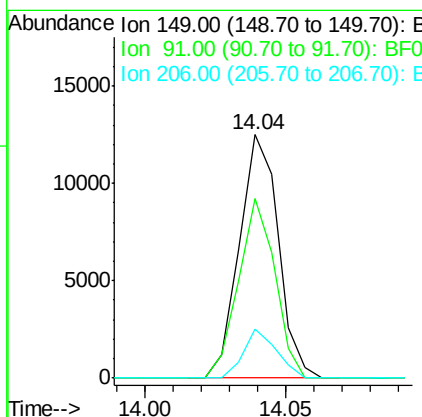
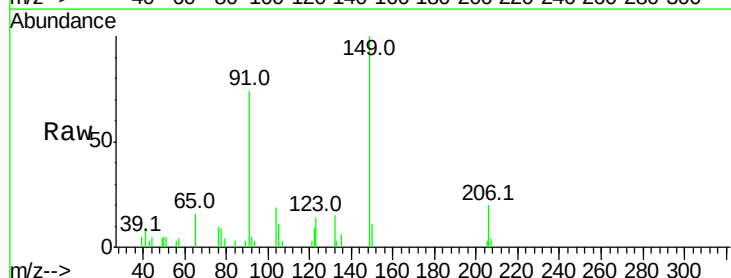
Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	14.0	10.3	15.5

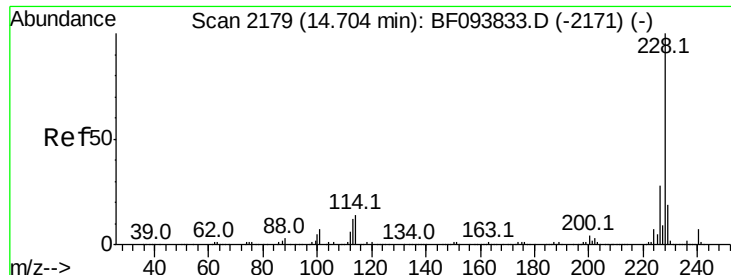


#79
 Butylbenzylphthalate
 Concen: 0.74 ng
 RT: 14.04 min Scan# 2066
 Delta R.T. -0.01 min
 Lab File: BF093845.D
 Acq: 22 Mar 2017 21:12

Tgt Ion:149 Resp: 11948

Ion	Ratio	Lower	Upper
149	100		
91	73.6	45.0	67.4#
206	20.2	17.0	25.6





#80

Benzo(a)anthracene

Concen: 1.08 ng

RT: 14.69 min Scan# 2177

Delta R.T. -0.01 min

Lab File: BF093845.D

Acq: 22 Mar 2017 21:12

Instrument :

BNA_F

ClientSampleId :

LOD-WATER-05-QT2-2017

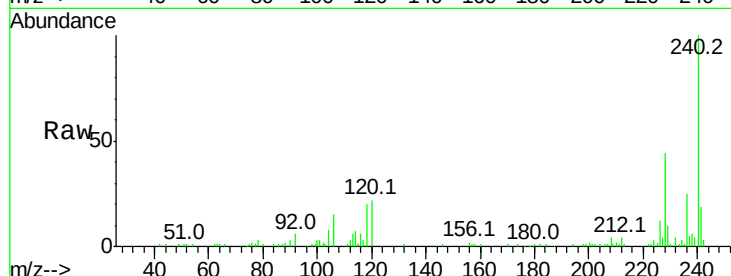
Tot Ion:228 Resp: 32787

Ion Ratio Lower Upper

228 100

226 28.6 22.6 33.8

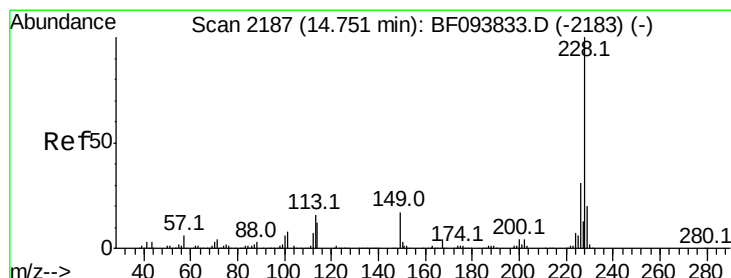
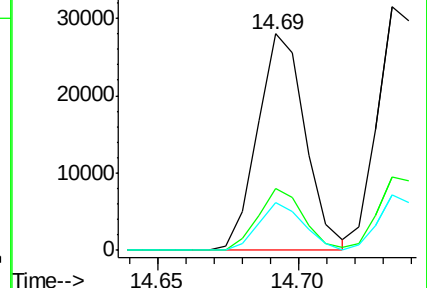
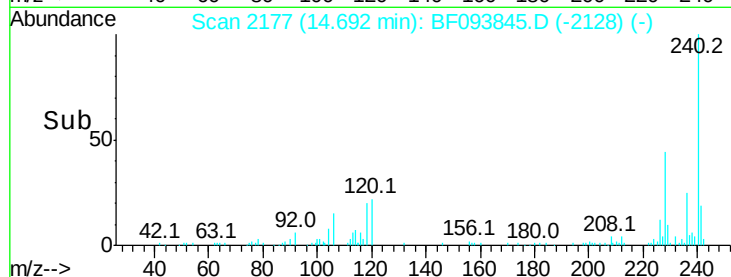
229 22.0 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 1.19 ng

RT: 14.73 min Scan# 2184

Delta R.T. -0.02 min

Lab File: BF093845.D

Acq: 22 Mar 2017 21:12

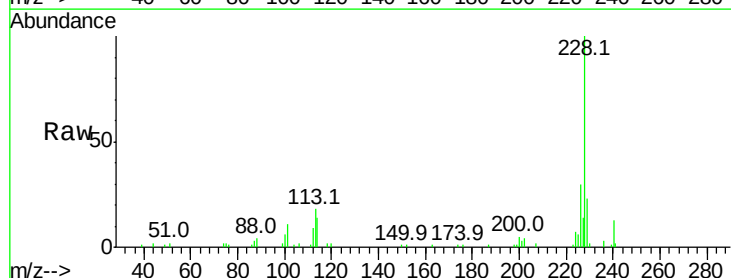
Tgt Ion:228 Resp: 33334

Ion Ratio Lower Upper

228 100

226 29.9 24.9 37.3

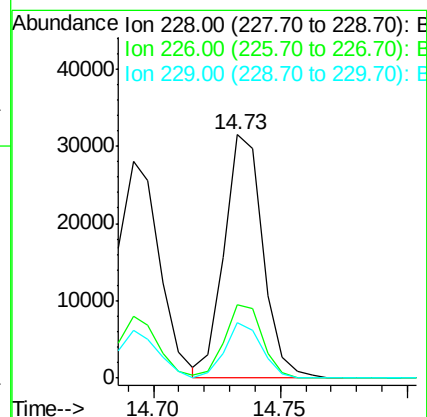
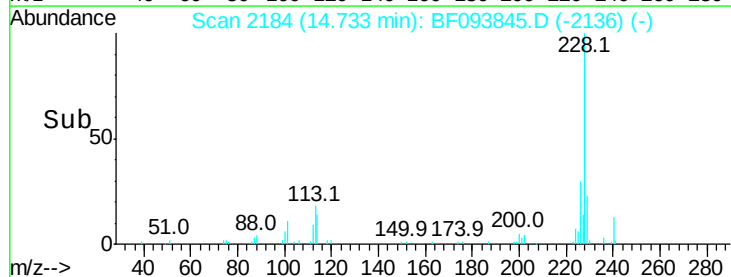
229 23.0 15.8 23.6

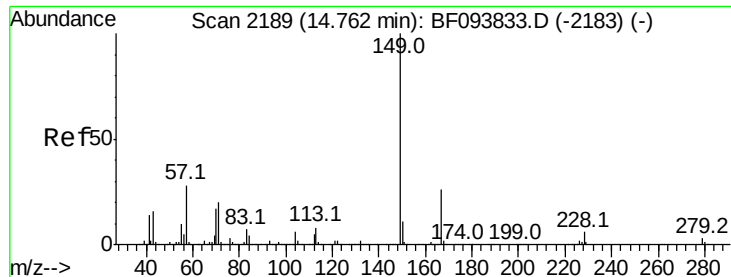


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.90 ng

RT: 14.76 min Scan# 2188

Delta R.T. -0.01 min

Lab File: BF093845.D

Acq: 22 Mar 2017 21:12

Instrument :

BNA_F

ClientSampleId :

LOD-WATER-05-QT2-2017

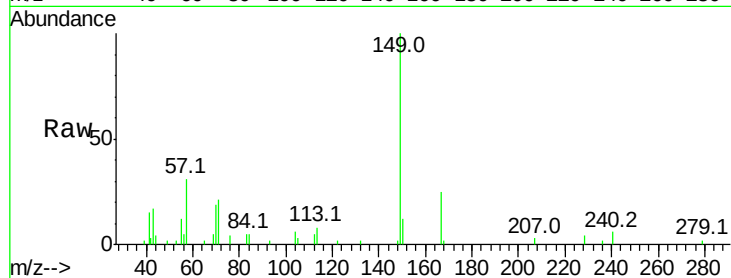
Tot Ion:149 Resp: 19652

Ion Ratio Lower Upper

149 100

167 25.4 21.0 31.4

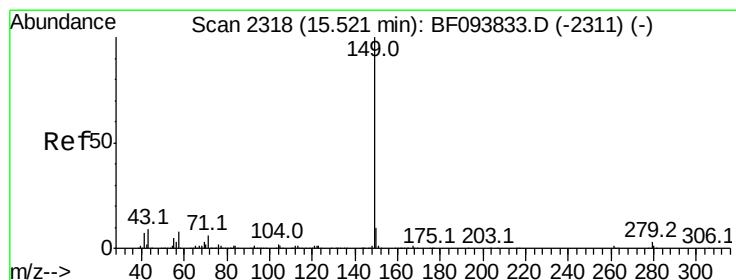
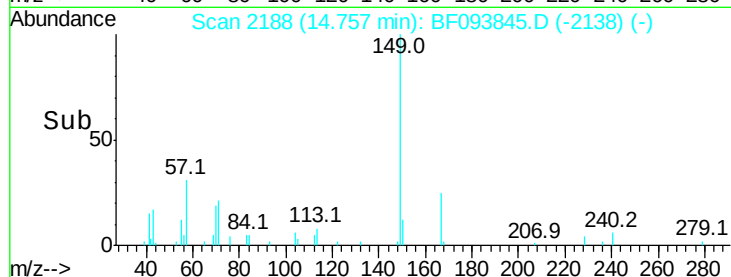
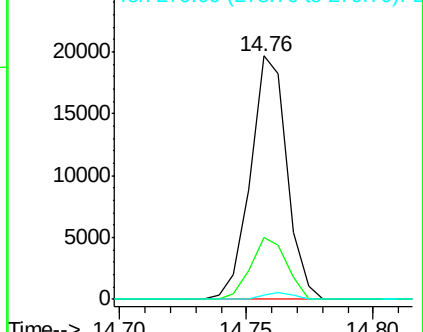
279 1.9 1.9 2.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 0.67 ng

RT: 15.51 min Scan# 2316

Delta R.T. -0.01 min

Lab File: BF093845.D

Acq: 22 Mar 2017 21:12

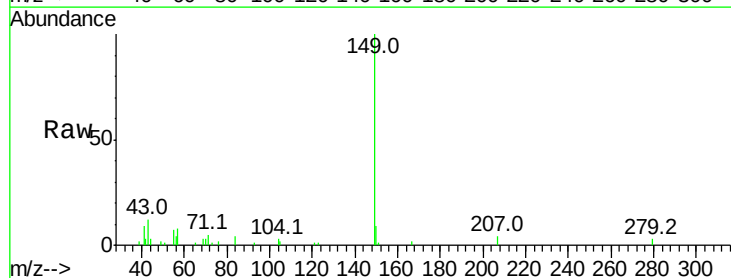
Tgt Ion:149 Resp: 24603

Ion Ratio Lower Upper

149 100

167 0.6 1.2 1.8#

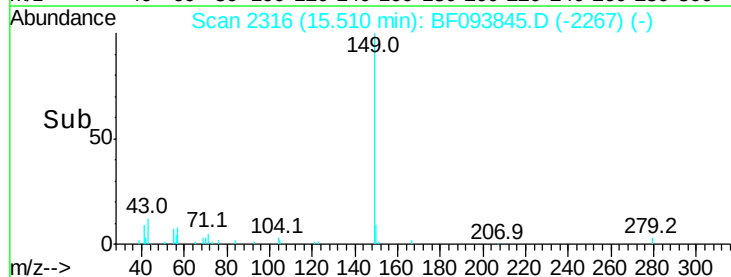
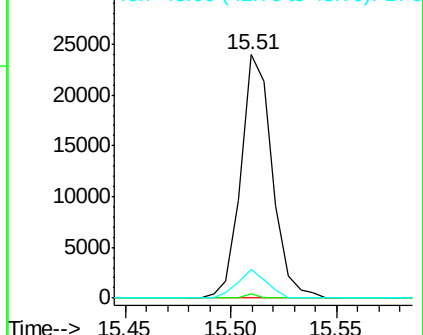
43 10.6 8.5 12.7

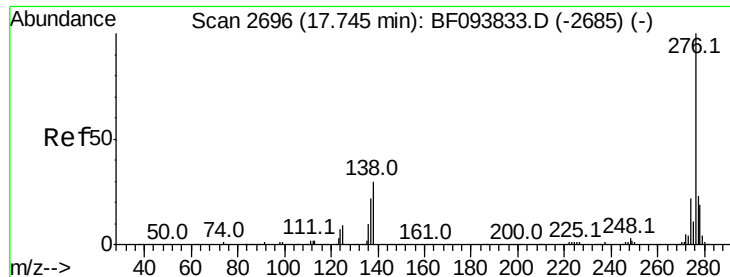


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

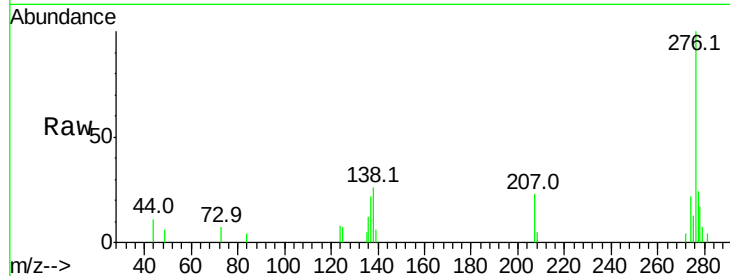




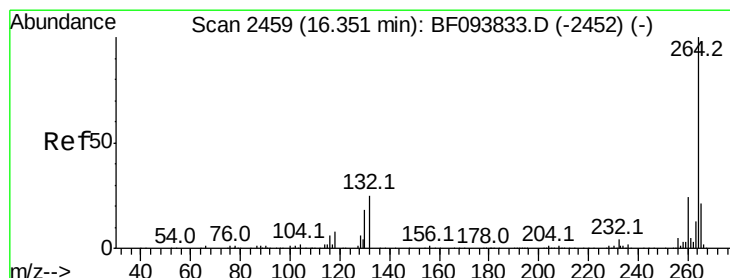
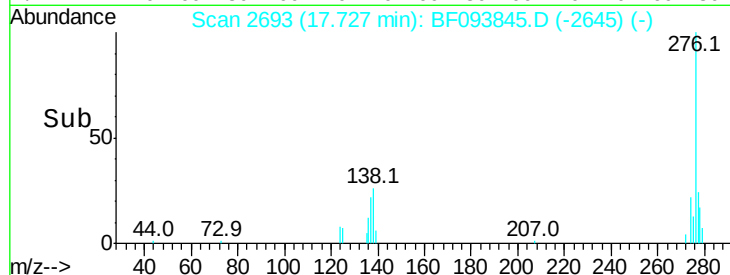
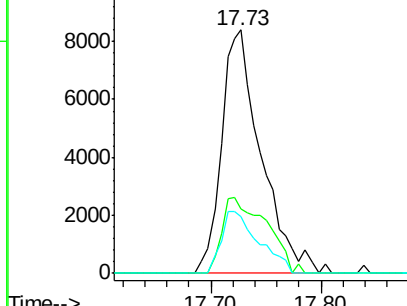
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 0.86 ng
 RT: 17.73 min Scan# 2693
 Delta R.T. -0.02 min
 Lab File: BF093845.D
 Acq: 22 Mar 2017 21:12

Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER-05-QT2-2017

Tot Ion:276 Resp: 21030
 Ion Ratio Lower Upper
 276 100
 138 35.2 27.8 41.6
 277 24.2 20.2 30.4

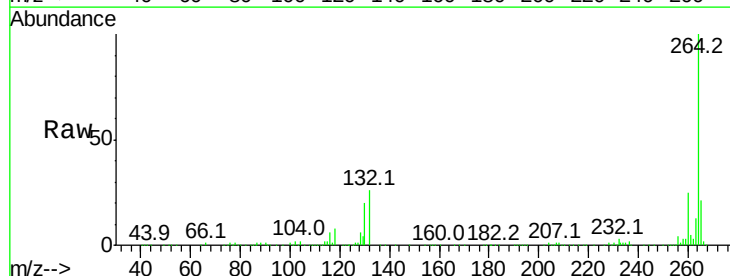


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

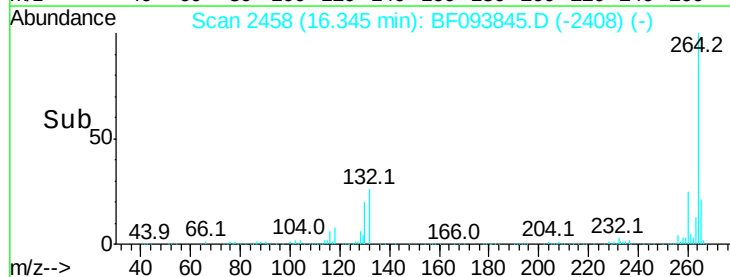
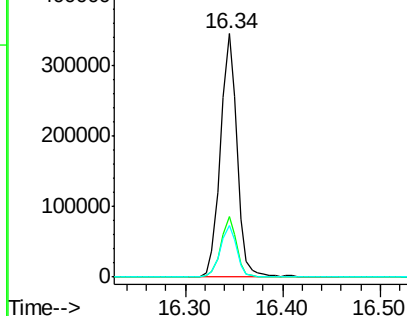


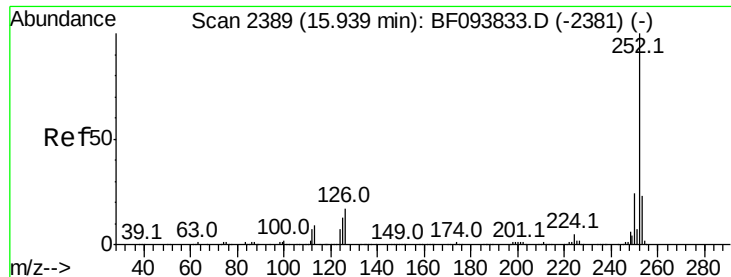
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.34 min Scan# 2458
 Delta R.T. -0.01 min
 Lab File: BF093845.D
 Acq: 22 Mar 2017 21:12

Tgt Ion:264 Resp: 409879
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.5 29.3
 265 21.3 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

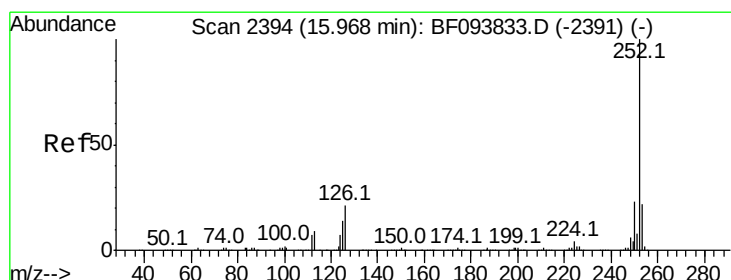
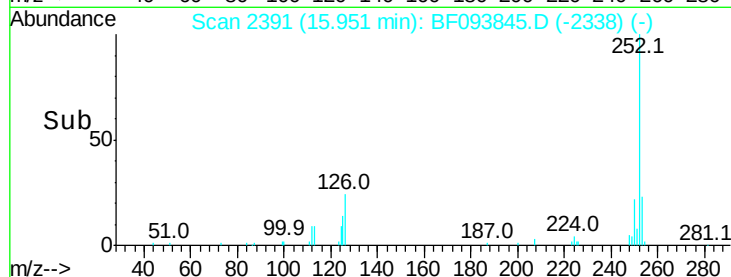
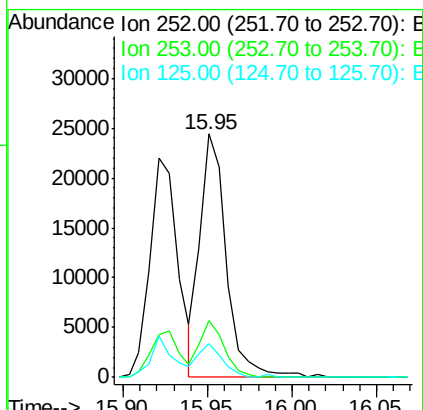
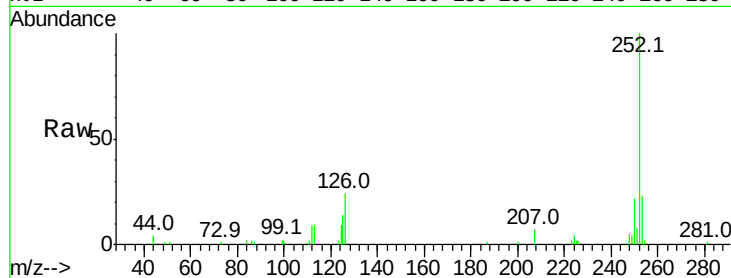




#87
Benzo(b)fluoranthene
Concen: 1.05 ng
RT: 15.95 min Scan# 2391
Delta R.T. 0.01 min
Lab File: BF093845.D
Acq: 22 Mar 2017 21:12

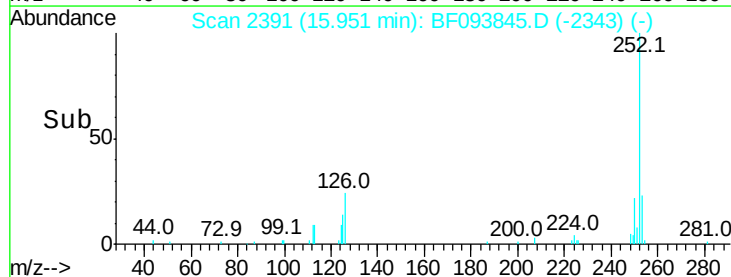
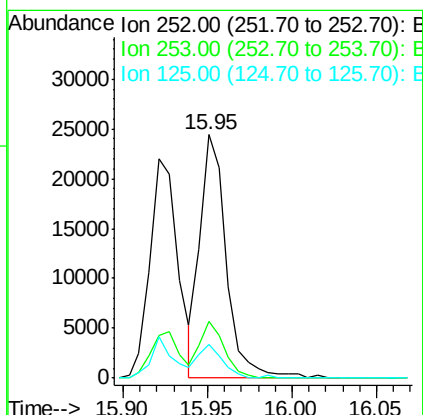
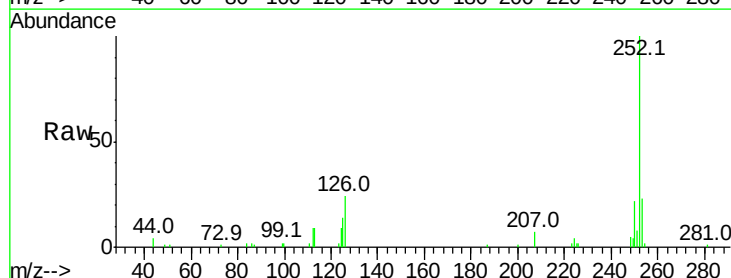
Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT2-2017

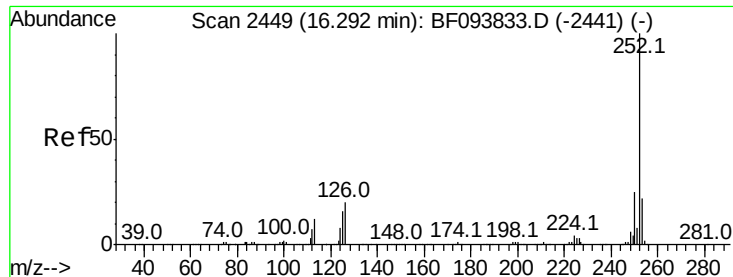
Tot Ion:252 Resp: 26463
Ion Ratio Lower Upper
252 100
253 23.5 18.1 27.1
125 14.0 9.8 14.8



#88
Benzo(k)fluoranthene
Concen: 1.08 ng
RT: 15.95 min Scan# 2391
Delta R.T. -0.02 min
Lab File: BF093845.D
Acq: 22 Mar 2017 21:12

Tgt Ion:252 Resp: 26463
Ion Ratio Lower Upper
252 100
253 23.5 18.4 27.6
125 14.0 13.1 19.7

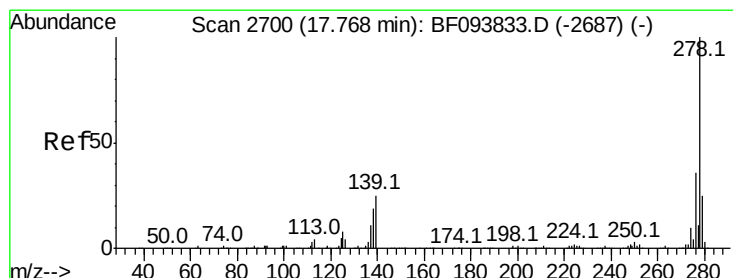
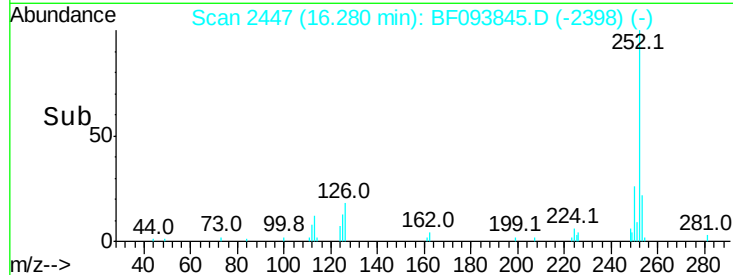
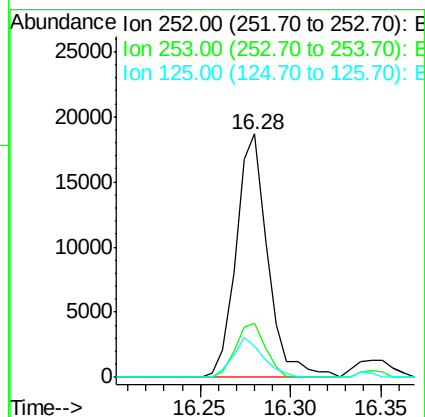
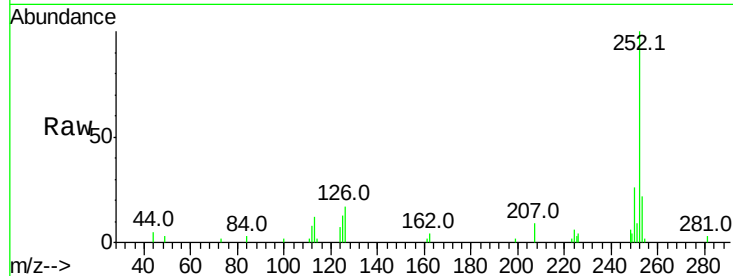




#89
Benzo(a)pyrene
Concen: 0.98 ng
RT: 16.28 min Scan# 2447
Delta R.T. -0.01 min
Lab File: BF093845.D
Acq: 22 Mar 2017 21:12

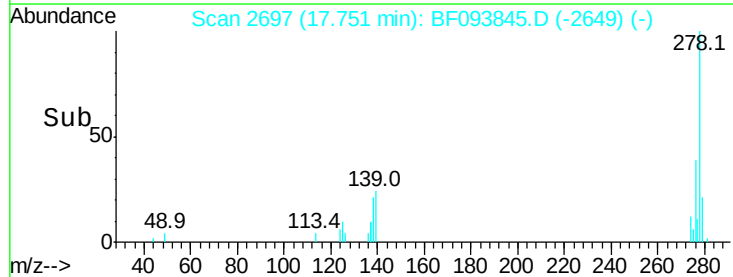
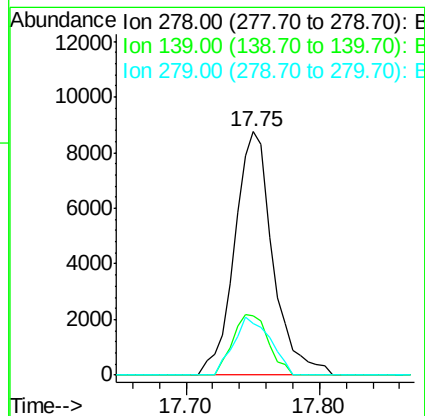
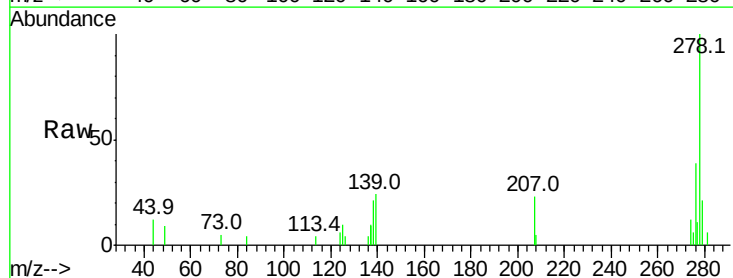
Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT2-2017

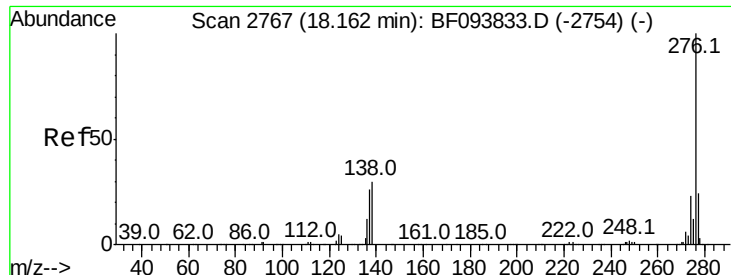
Tot Ion:252 Resp: 22608
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 13.0 11.0 16.4



#90
Dibenzo(a,h)anthracene
Concen: 0.88 ng
RT: 17.75 min Scan# 2697
Delta R.T. -0.02 min
Lab File: BF093845.D
Acq: 22 Mar 2017 21:12

Tgt Ion:278 Resp: 17328
Ion Ratio Lower Upper
278 100
139 24.1 16.6 24.8
279 21.2 19.3 28.9





#91

Benzo(a,h,i)perylene

Concen: 0.91 ng

RT: 18.13 min Scan# 2762

Delta R.T. -0.03 min

Lab File: BF093845.D

Acq: 22 Mar 2017 21:12

Instrument :

BNA_F

ClientSampleId :

LOD-WATER-05-QT2-2017

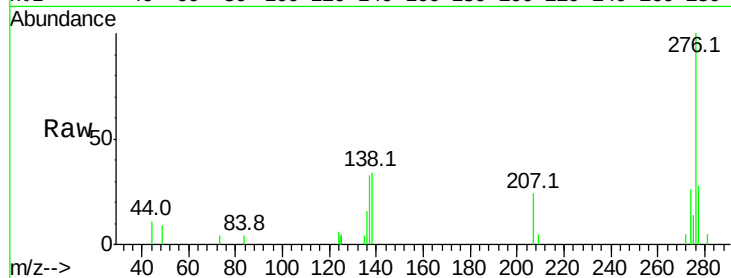
Tot Ion:276 Resp: 17887

Ion Ratio Lower Upper

276 100

277 27.8 18.6 28.0

138 33.8 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

