

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061915\
 Data File : BF080062.D
 Acq On : 19 Jun 2015 17:29
 Operator : TP/IZ
 Sample : G2653-05
 Misc : LOD-SVOC-WATER-8PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER2015-01

Quant Time: Jun 20 00:49:05 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 17 16:41:53 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	39102	20.00	ng	-0.01
21) Naphthalene-d8	8.62	136	161276	20.00	ng	-0.01
38) Acenaphthene-d10	10.39	164	86137	20.00	ng	-0.01
63) Phenanthrene-d10	11.90	188	179502	20.00	ng	-0.01
75) Chrysene-d12	14.93	240	212437	20.00	ng	0.07
86) Perylene-d12	16.84	264	197819	20.00	ng	0.09

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.94	112	238803	108.11	ng	0.00
7) Phenol-d6	6.93	99	307238	104.52	ng	-0.01
23) Nitrobenzene-d5	7.89	82	185499	66.96	ng	-0.01
41) 2,4,6-Tribromophenol	11.19	330	90937	107.96	ng	-0.01
44) 2-Fluorobiphenyl	9.69	172	375826	62.22	ng	-0.01
78) Terphenyl-d14	13.63	244	532667	58.56	ng	0.04

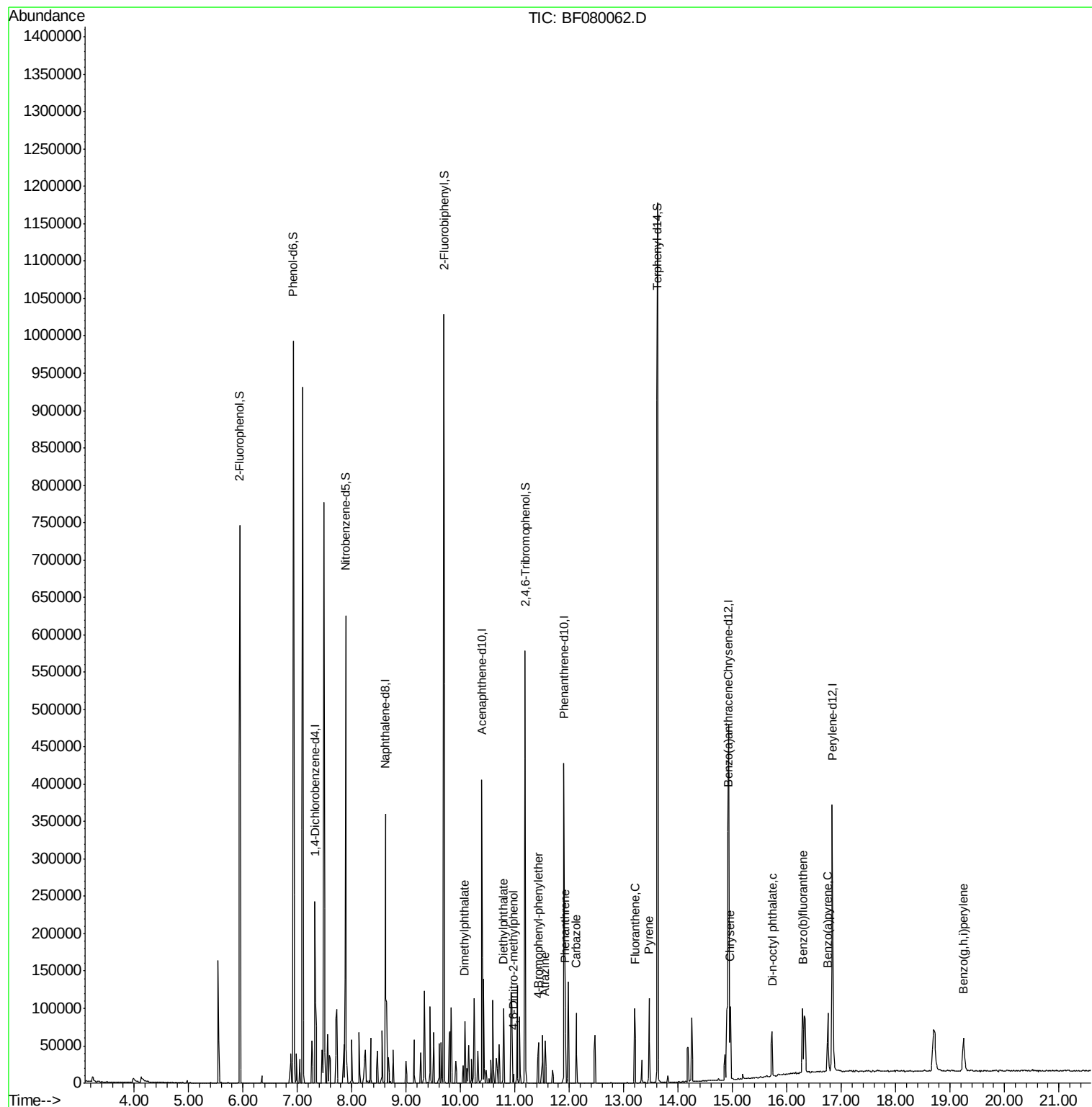
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	10.08	163	31895	4.93	ng	# 97
59) Diethylphthalate	10.79	149	34841	5.34	ng	99
64) 4,6-Dinitro-2-methylphenol	10.97	198	1985	6.23	ng	87
66) 4-Bromophenyl-phenylether	11.43	248	9577	5.02	ng	# 92
68) Atrazine	11.56	200	8087	4.38	ng	84
70) Phenanthrene	11.92	178	52810	4.86	ng	97
72) Carbazole	12.13	167	43833	4.39	ng	95
74) Fluoranthene	13.20	202	52122	4.50	ng	94
77) Pyrene	13.47	202	56235	4.30	ng	97
80) Benzo(a)anthracene	14.92	228	56907	4.40	ng	97
82) Chrysene	14.96	228	54044	4.53	ng	95
84) Di-n-octyl phthalate	15.73	149	40567	2.85	ng	# 98
87) Benzo(b)fluoranthene	16.29	252	53525	4.47	ng	# 90
89) Benzo(a)pyrene	16.76	252	50164	4.41	ng	# 85
91) Benzo(g,h,i)perylene	19.25	276	49940	4.25	ng	# 76

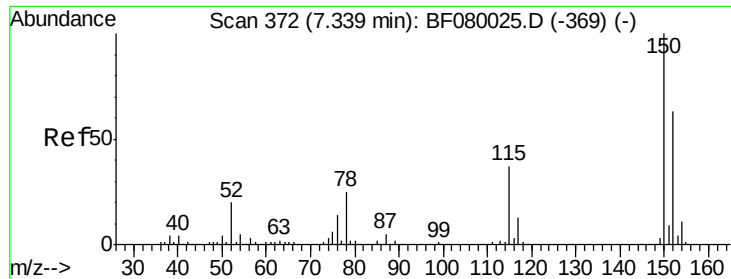
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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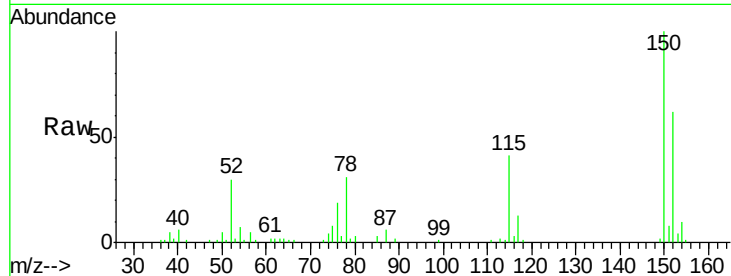




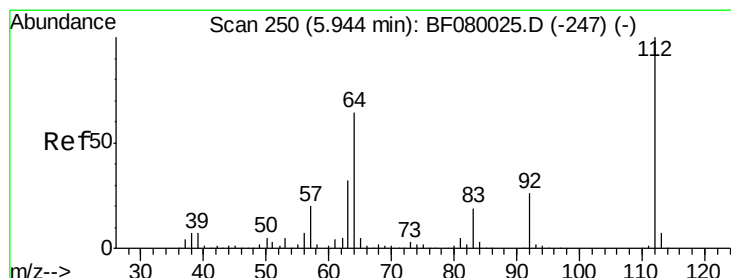
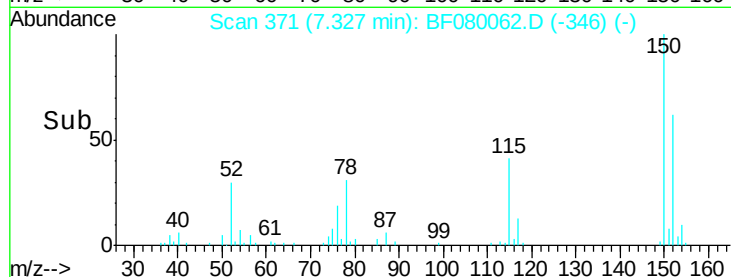
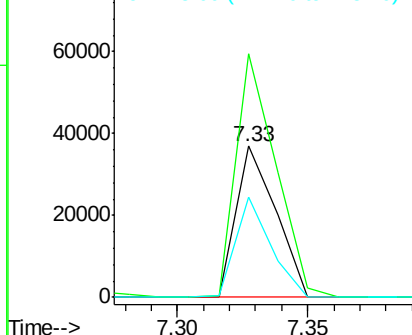
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.33 min Scan# 371
 Delta R.T. -0.01 min
 Lab File: BF080062.D
 Acq: 19 Jun 2015 17:29

Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER2015-01

Tgt Ion:152 Resp: 39102
 Ion Ratio Lower Upper
 152 100
 150 160.8 124.7 187.1
 115 66.5 39.0 58.4#

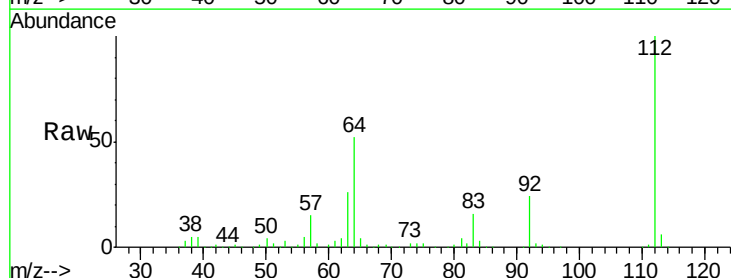


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

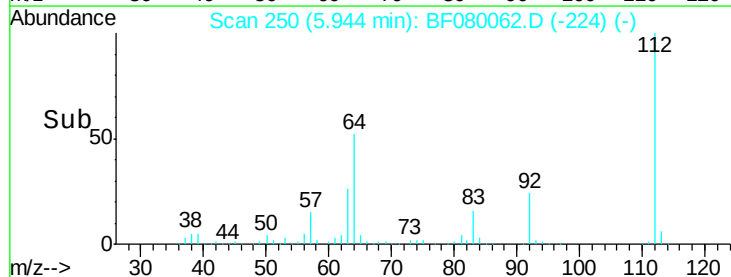
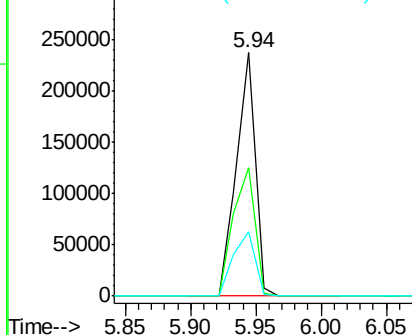


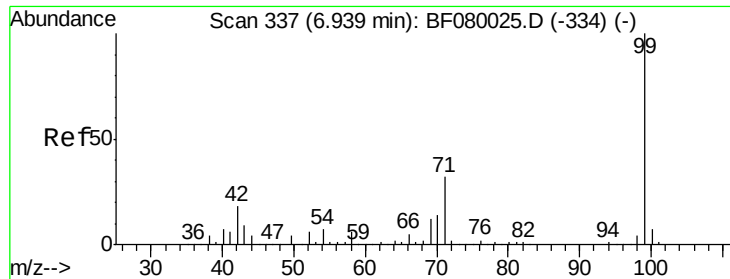
#5
 2-Fluorophenol
 Concen: 108.11 ng
 RT: 5.94 min Scan# 250
 Delta R.T. 0.00 min
 Lab File: BF080062.D
 Acq: 19 Jun 2015 17:29

Tgt Ion:112 Resp: 238803
 Ion Ratio Lower Upper
 112 100
 64 52.5 39.7 59.5
 63 26.2 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





#7

Phenol-d6

Concen: 104.52 ng

RT: 6.93 min Scan# 336

Delta R.T. -0.01 min

Lab File: BF080062.D

Acq: 19 Jun 2015 17:29

Instrument :

BNA_F

ClientSampleId :

LOD-WATER2015-01

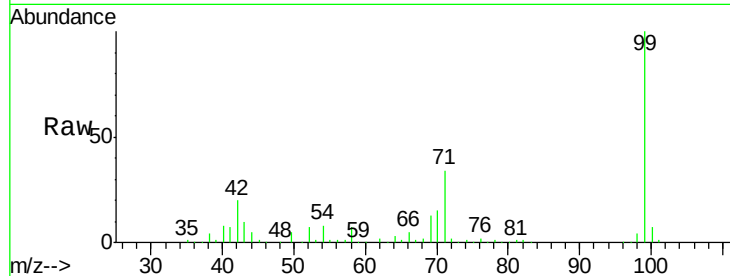
Tgt Ion: 99 Resp: 307238

Ion Ratio Lower Upper

99 100

42 20.4 13.7 20.5

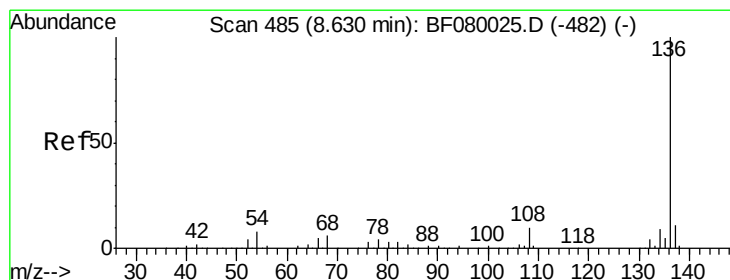
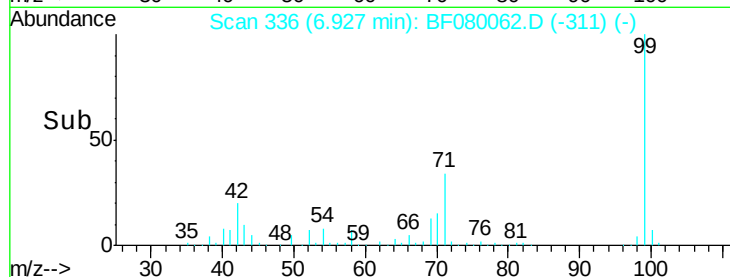
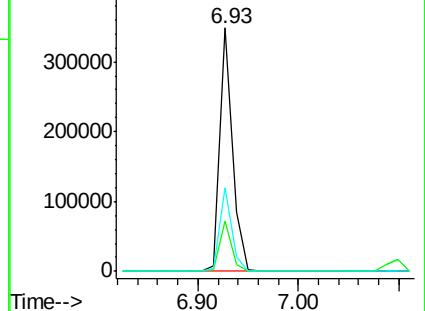
71 34.3 14.2 21.2#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.62 min Scan# 484

Delta R.T. -0.01 min

Lab File: BF080062.D

Acq: 19 Jun 2015 17:29

Tgt Ion: 136 Resp: 161276

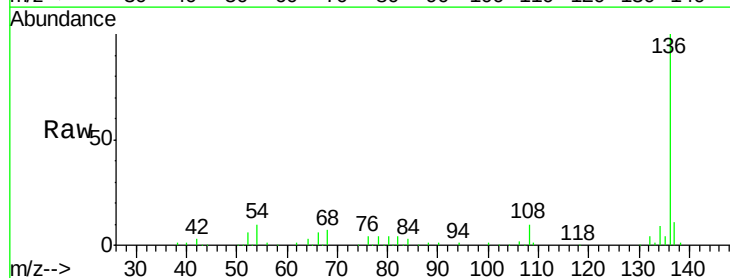
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 10.1 8.2 12.2

68 7.1 5.8 8.6

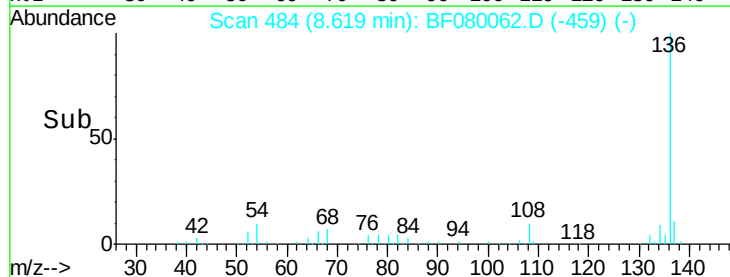
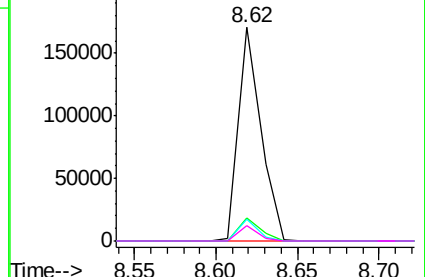


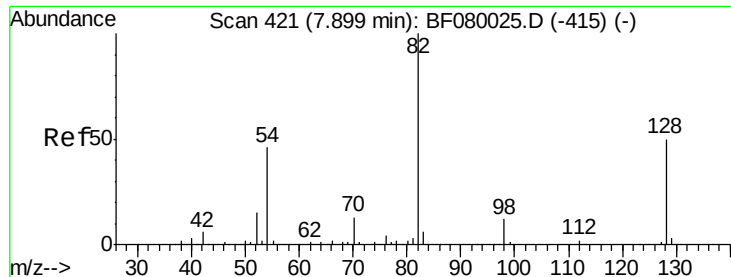
Abundance Ion 136.00 (135.70 to 136.70): E

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

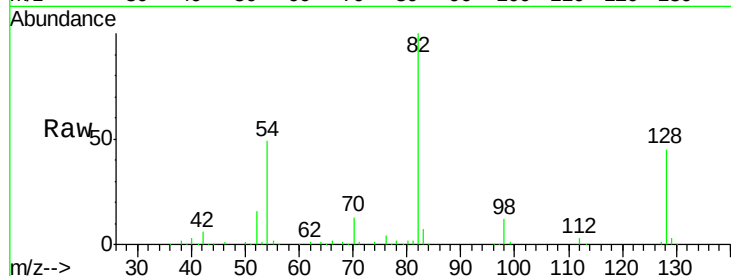




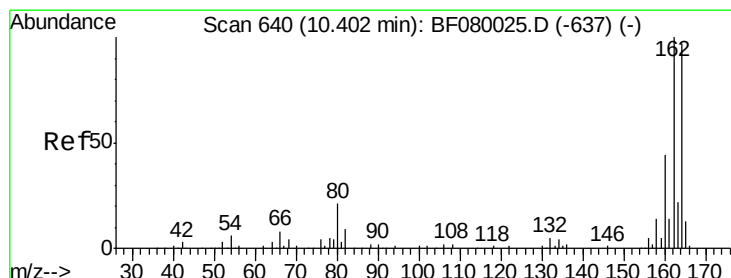
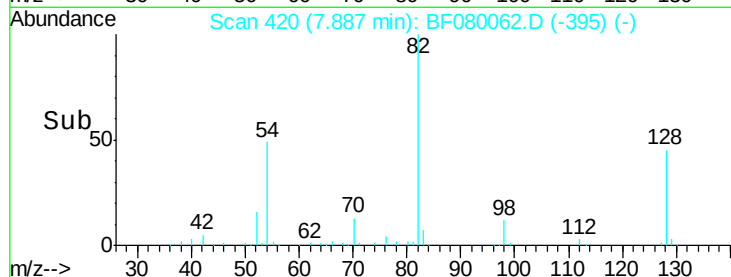
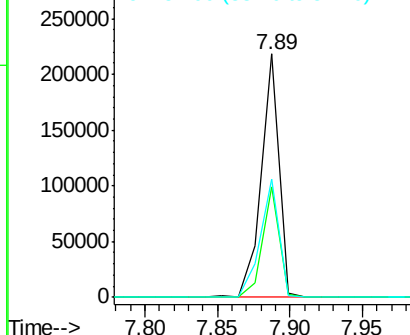
#23
 Nitrobenzene-d5
 Concen: 66.96 ng
 RT: 7.89 min Scan# 420
 Delta R.T. -0.01 min
 Lab File: BF080062.D
 Acq: 19 Jun 2015 17:29

Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER2015-01

Tgt Ion: 82 Resp: 185499
 Ion Ratio Lower Upper
 82 100
 128 45.4 51.0 76.6#
 54 48.6 47.5 71.3

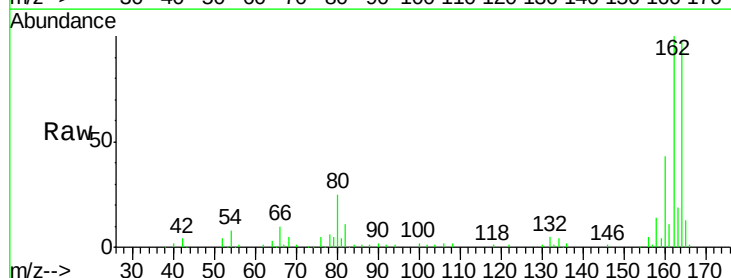


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

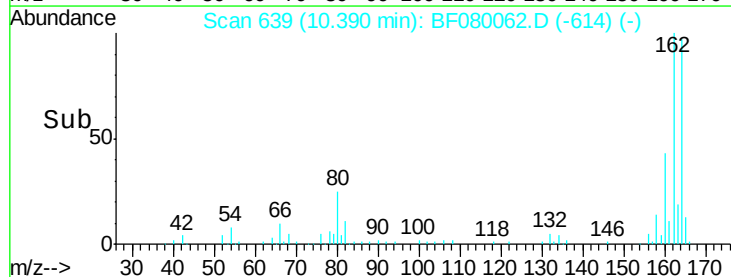
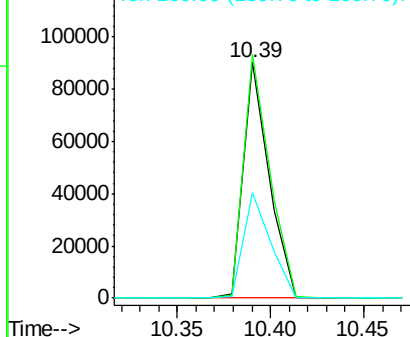


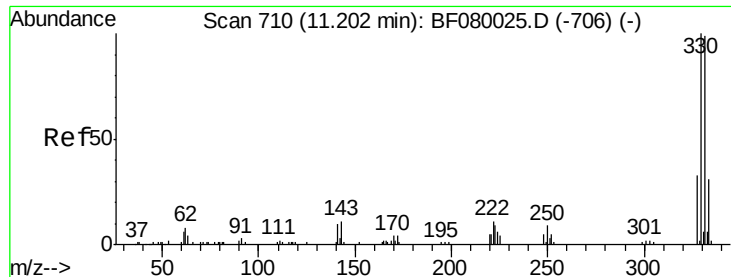
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.39 min Scan# 639
 Delta R.T. -0.01 min
 Lab File: BF080062.D
 Acq: 19 Jun 2015 17:29

Tgt Ion: 164 Resp: 86137
 Ion Ratio Lower Upper
 164 100
 162 103.4 75.2 112.8
 160 44.5 31.5 47.3



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

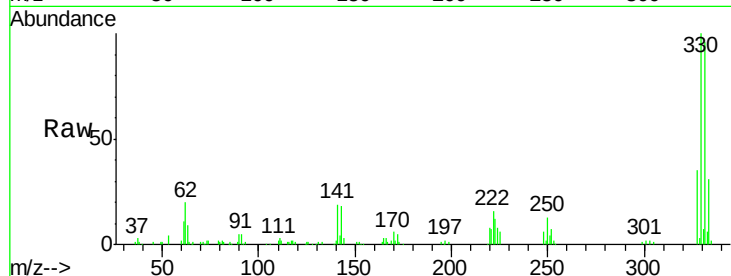




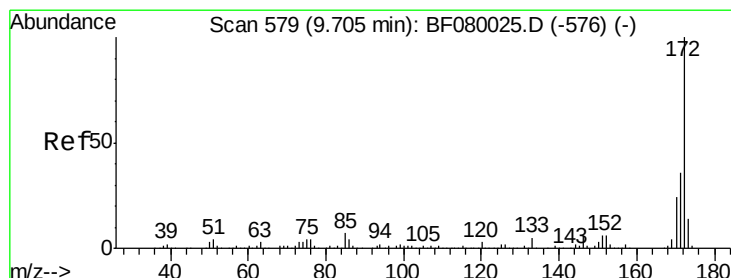
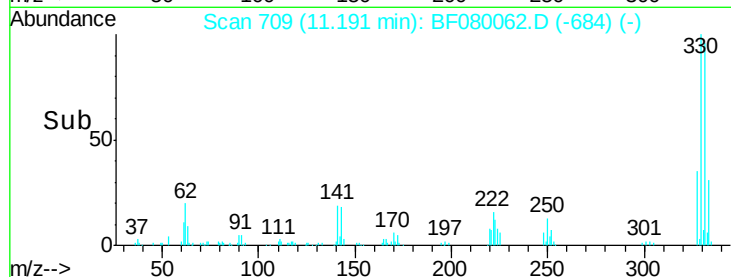
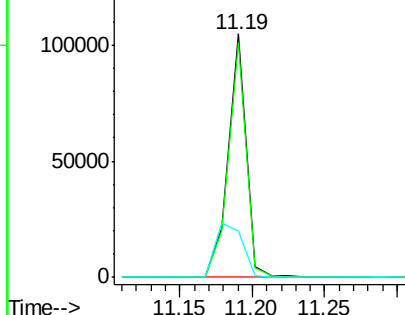
#41
 2,4,6-Tribromophenol
 Concen: 107.96 ng
 RT: 11.19 min Scan# 709
 Delta R.T. -0.01 min
 Lab File: BF080062.D
 Acq: 19 Jun 2015 17:29

Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER2015-01

Tgt Ion:330 Resp: 90937
 Ion Ratio Lower Upper
 330 100
 332 95.6 76.6 114.8
 141 33.3 29.7 44.5

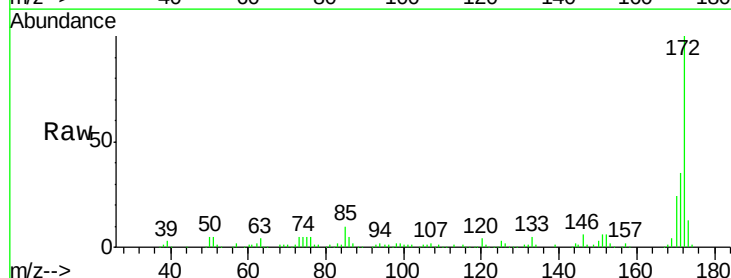


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

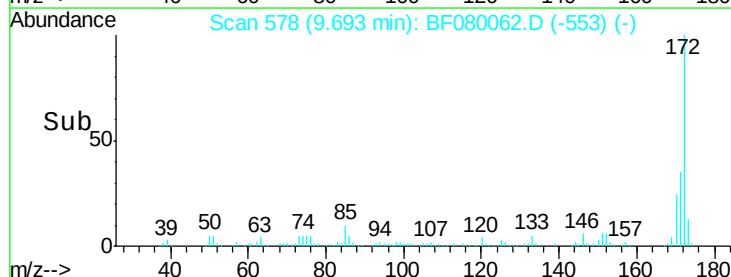
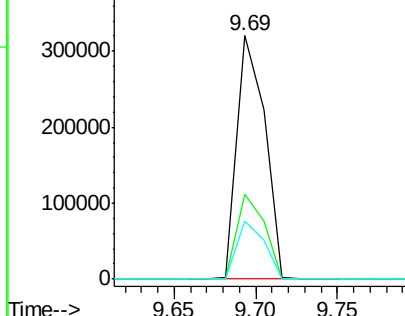


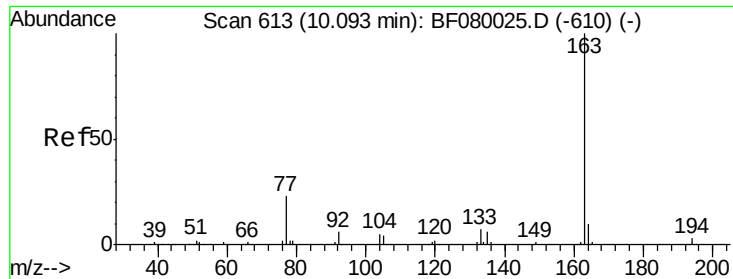
#44
 2-Fluorobiphenyl
 Concen: 62.22 ng
 RT: 9.69 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: BF080062.D
 Acq: 19 Jun 2015 17:29

Tgt Ion:172 Resp: 375826
 Ion Ratio Lower Upper
 172 100
 171 34.7 26.1 39.1
 170 23.7 17.4 26.2



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

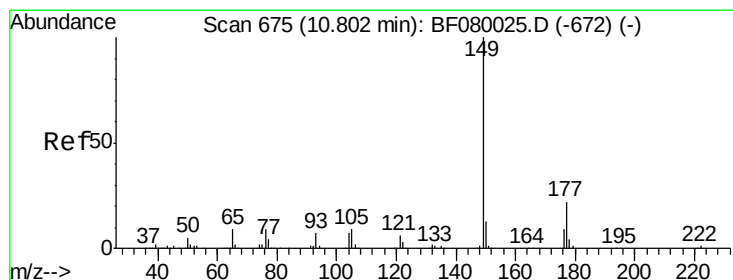
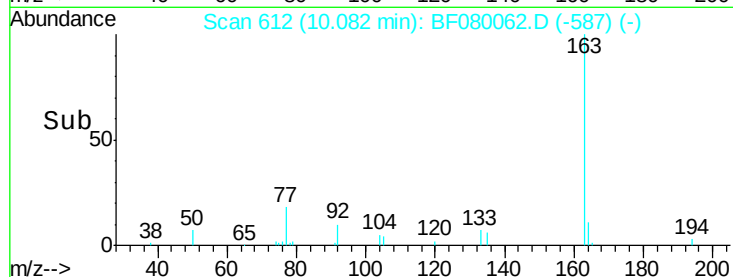
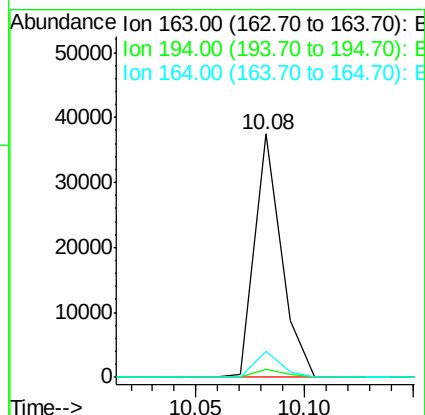
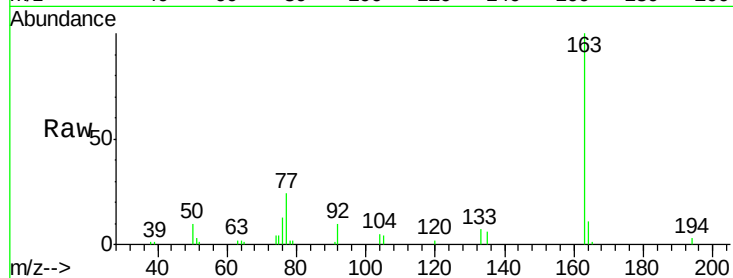




#49
Dimethylphthalate
Concen: 4.93 ng
RT: 10.08 min Scan# 612
Delta R.T. -0.01 min
Lab File: BF080062.D
Acq: 19 Jun 2015 17:29

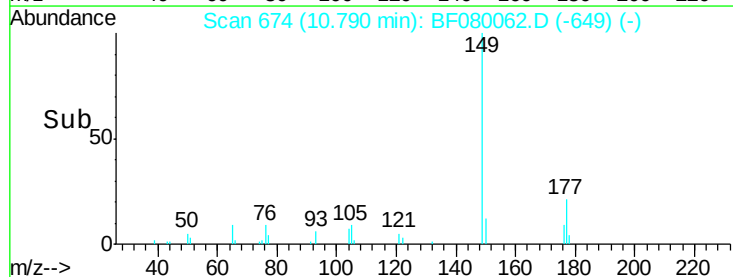
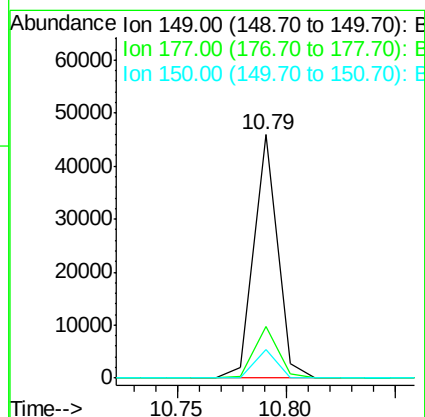
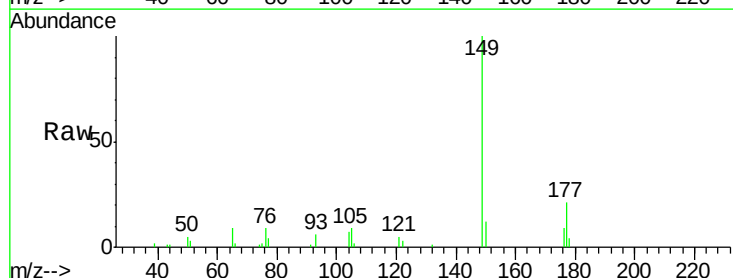
Instrument :
BNA_F
ClientSampleId :
LOD-WATER2015-01

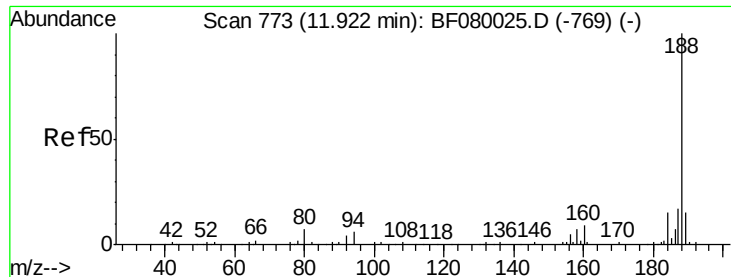
Tgt Ion:163 Resp: 31895
Ion Ratio Lower Upper
163 100
194 3.2 4.4 6.6#
164 10.6 8.3 12.5



#59
Diethylphthalate
Concen: 5.34 ng
RT: 10.79 min Scan# 674
Delta R.T. -0.01 min
Lab File: BF080062.D
Acq: 19 Jun 2015 17:29

Tgt Ion:149 Resp: 34841
Ion Ratio Lower Upper
149 100
177 21.4 17.5 26.3
150 11.9 9.4 14.2

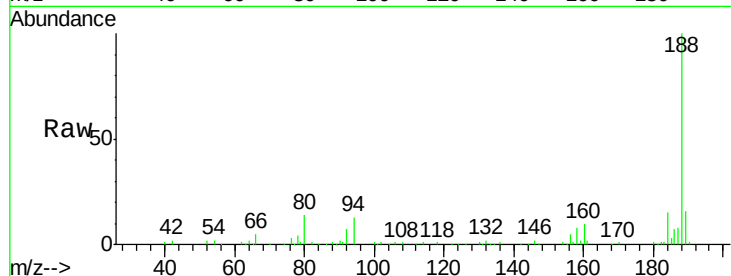




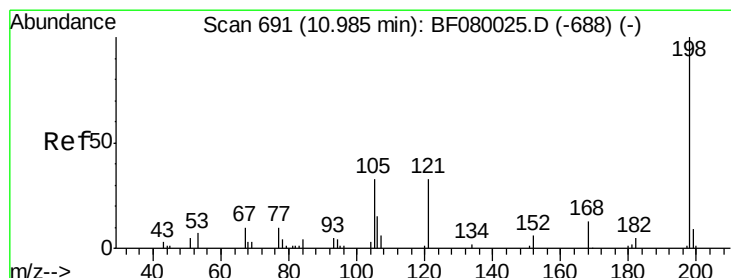
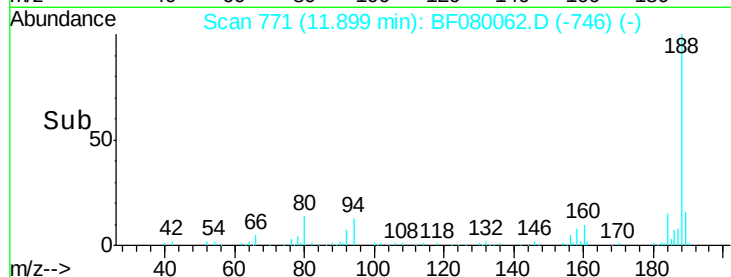
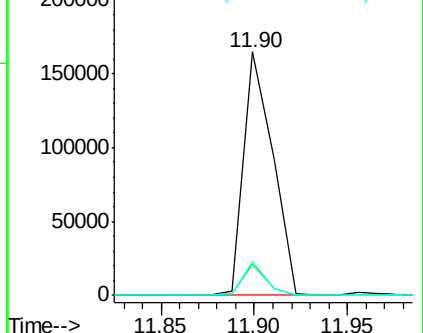
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.90 min Scan# 771
 Delta R.T. -0.01 min
 Lab File: BF080062.D
 Acq: 19 Jun 2015 17:29

Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER2015-01

Tgt Ion:188 Resp: 179502
 Ion Ratio Lower Upper
 188 100
 94 12.7 11.1 16.7
 80 13.7 11.0 16.4

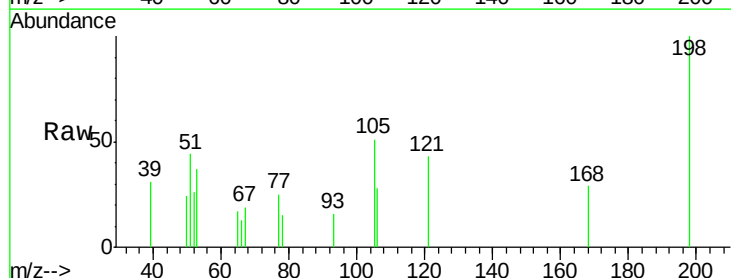


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

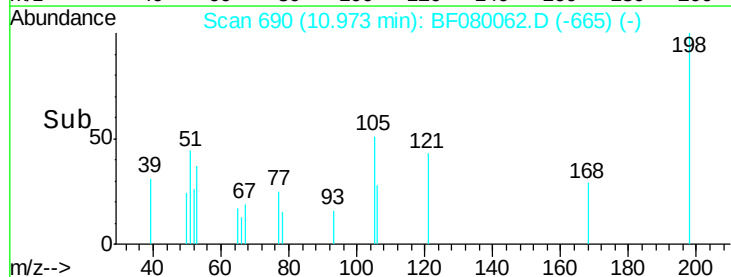
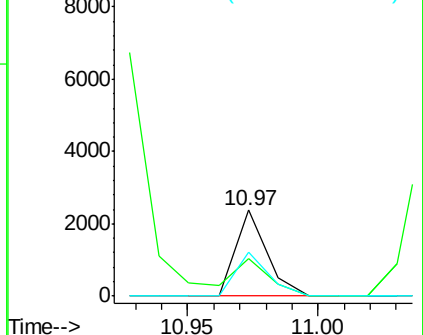


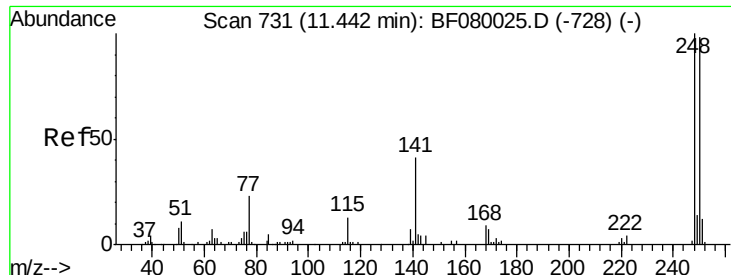
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.23 ng
 RT: 10.97 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: BF080062.D
 Acq: 19 Jun 2015 17:29

Tgt Ion:198 Resp: 1985
 Ion Ratio Lower Upper
 198 100
 51 43.6 39.6 79.6
 105 50.7 28.5 68.5



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

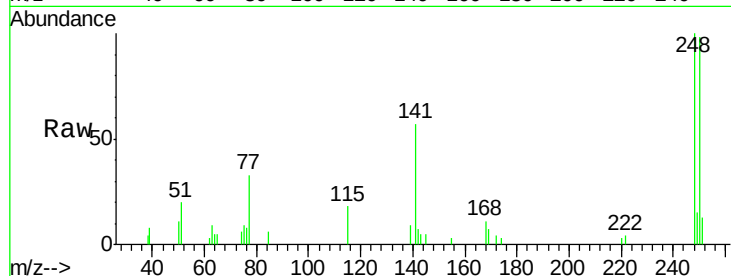




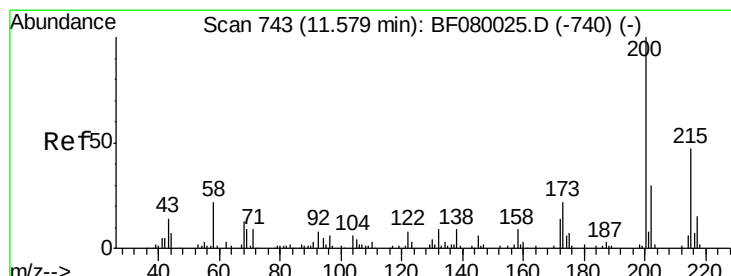
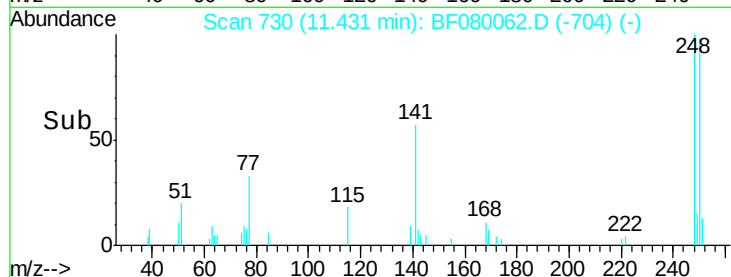
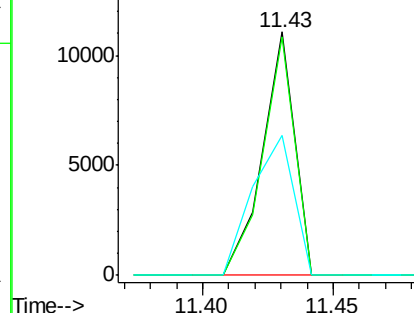
#66
 4-Bromophenyl-phenylether
 Concen: 5.02 ng
 RT: 11.43 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: BF080062.D
 Acq: 19 Jun 2015 17:29

Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER2015-01

Tgt Ion: 248 Resp: 9577
 Ion Ratio Lower Upper
 248 100
 250 97.8 78.5 117.7
 141 57.4 59.0 88.6#

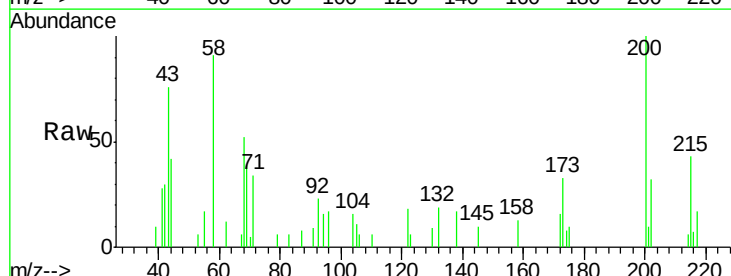


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

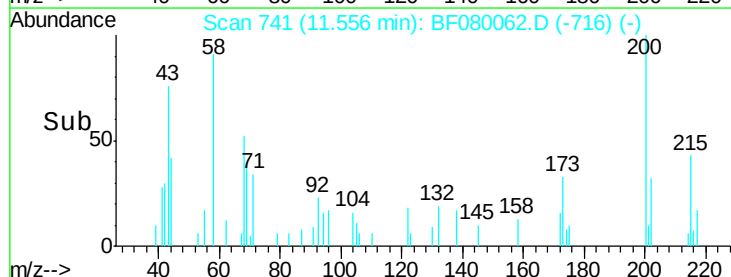
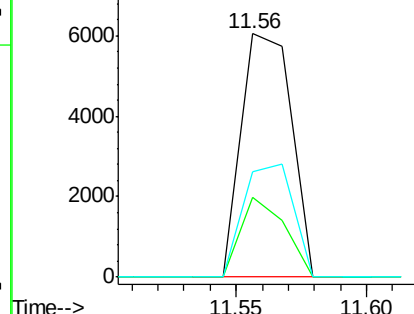


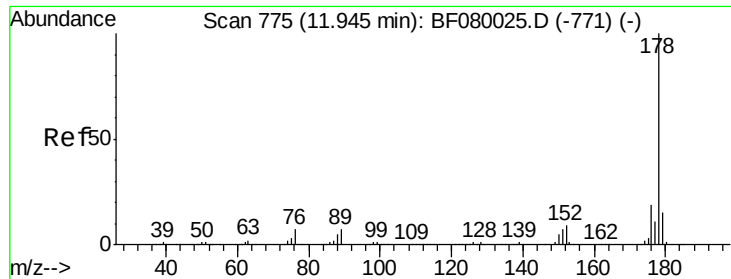
#68
 Atrazine
 Concen: 4.38 ng
 RT: 11.56 min Scan# 741
 Delta R.T. -0.01 min
 Lab File: BF080062.D
 Acq: 19 Jun 2015 17:29

Tgt Ion: 200 Resp: 8087
 Ion Ratio Lower Upper
 200 100
 173 32.7 13.2 53.2
 215 43.5 41.8 81.8



Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

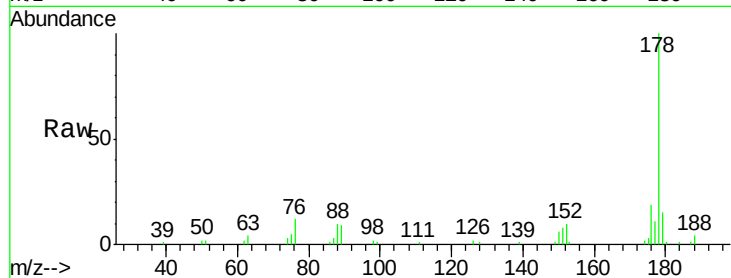




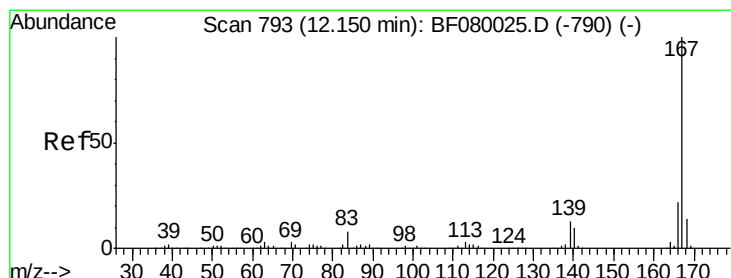
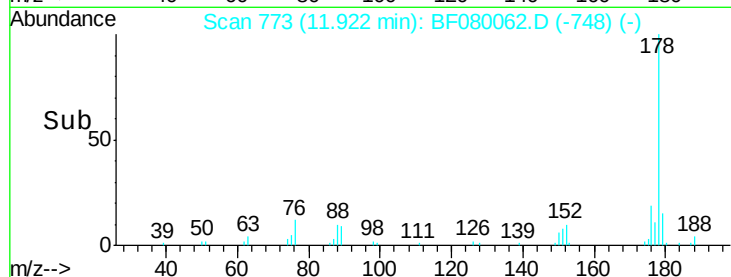
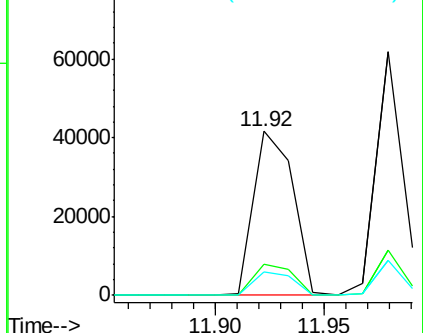
#70
 Phenanthrene
 Concen: 4.86 ng
 RT: 11.92 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF080062.D
 Acq: 19 Jun 2015 17:29

Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER2015-01

Tgt Ion:178 Resp: 52810
 Ion Ratio Lower Upper
 178 100
 176 19.3 13.8 20.8
 179 14.6 12.2 18.2

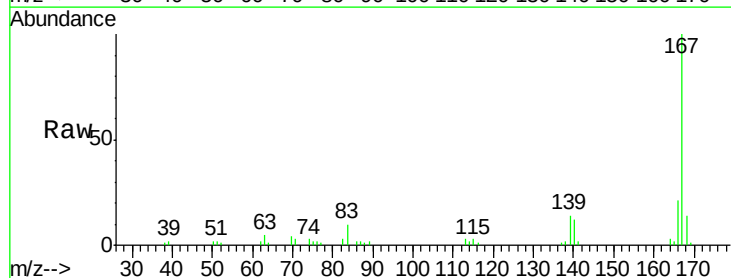


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

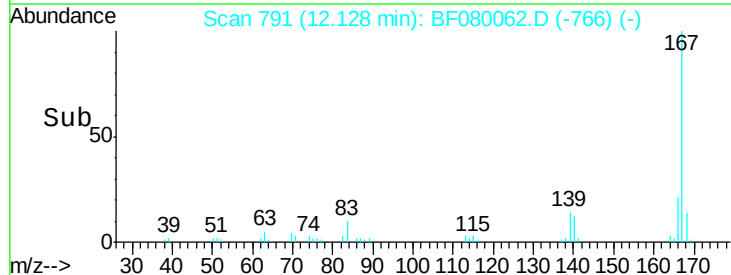
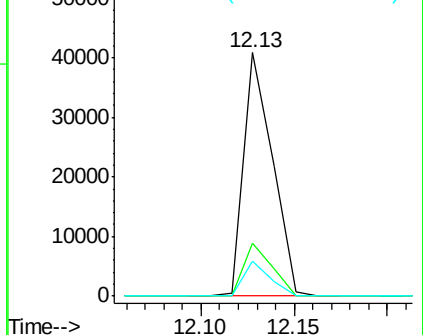


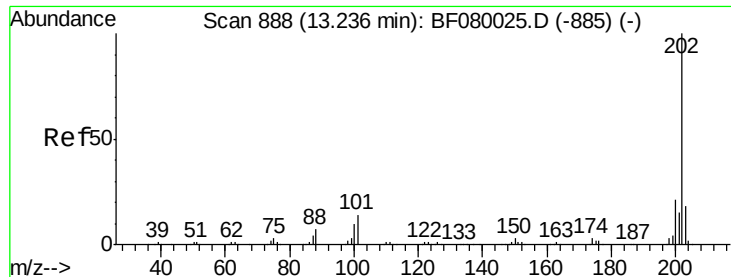
#72
 Carbazole
 Concen: 4.39 ng
 RT: 12.13 min Scan# 791
 Delta R.T. -0.01 min
 Lab File: BF080062.D
 Acq: 19 Jun 2015 17:29

Tgt Ion:167 Resp: 43833
 Ion Ratio Lower Upper
 167 100
 166 21.5 15.7 23.5
 139 14.3 9.5 14.3



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

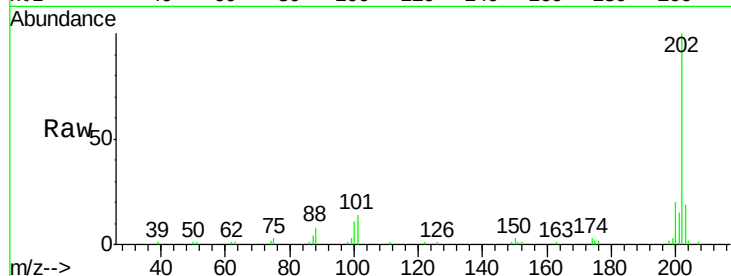




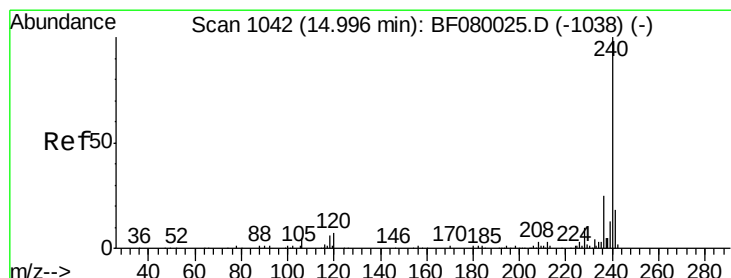
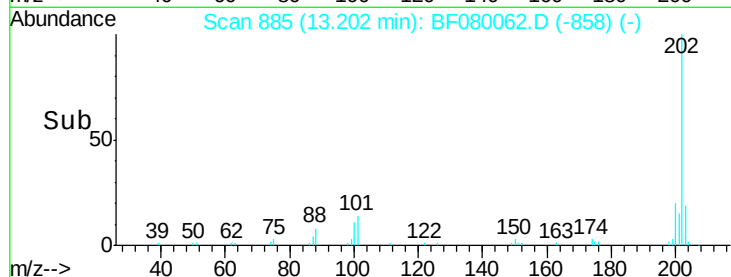
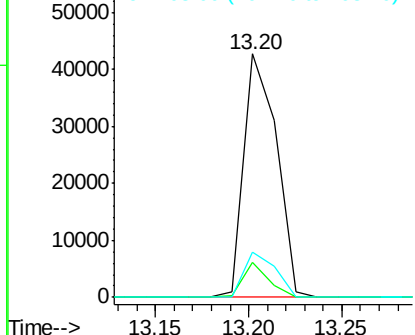
#74
 Fluoranthene
 Concen: 4.50 ng
 RT: 13.20 min Scan# 885
 Delta R.T. 0.01 min
 Lab File: BF080062.D
 Acq: 19 Jun 2015 17:29

Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER2015-01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.3	0.0	38.3
203	18.6	0.0	37.3

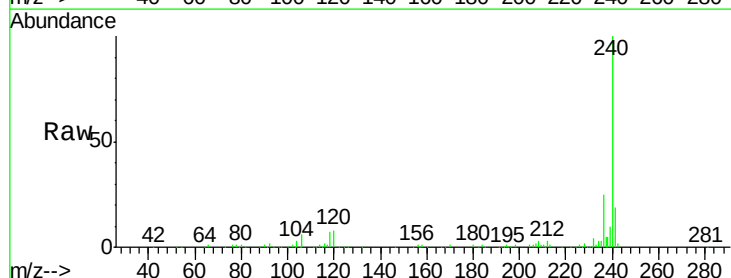


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

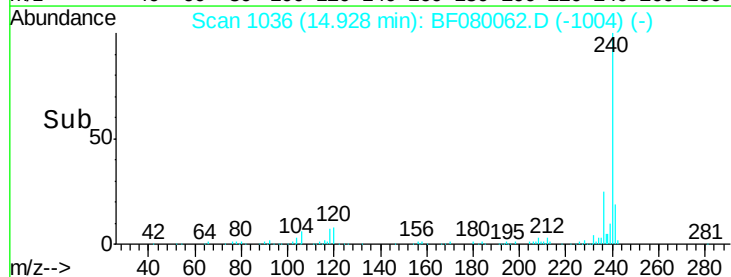
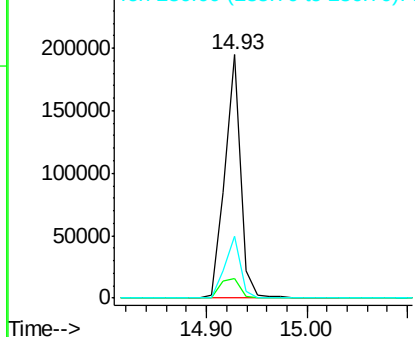


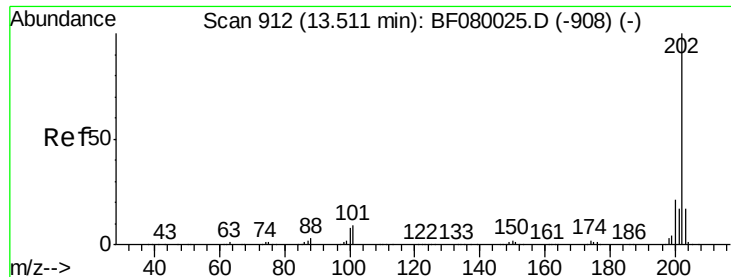
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.93 min Scan# 1036
 Delta R.T. 0.07 min
 Lab File: BF080062.D
 Acq: 19 Jun 2015 17:29

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.1	16.2	24.2#
236	25.4	18.4	27.6



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

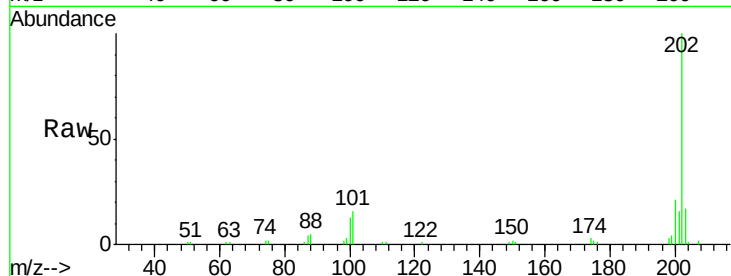




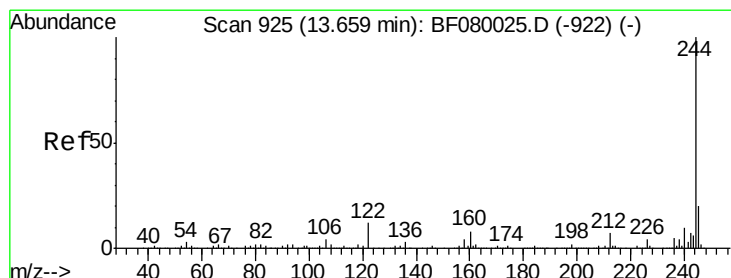
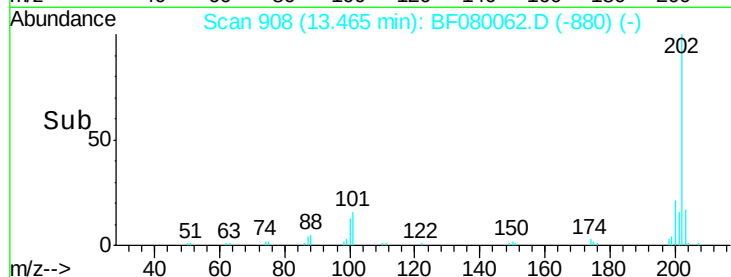
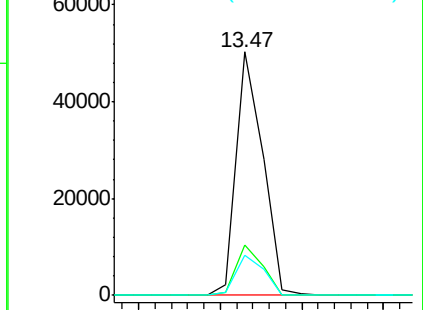
#77
 Pyrene
 Concen: 4.30 ng
 RT: 13.47 min Scan# 908
 Delta R.T. 0.02 min
 Lab File: BF080062.D
 Acq: 19 Jun 2015 17:29

Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER2015-01

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	15.0	22.4
203	16.7	14.1	21.1

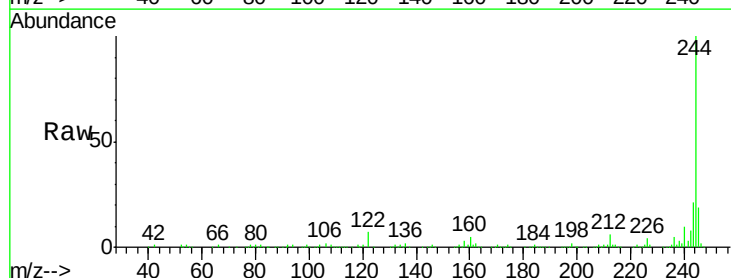


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

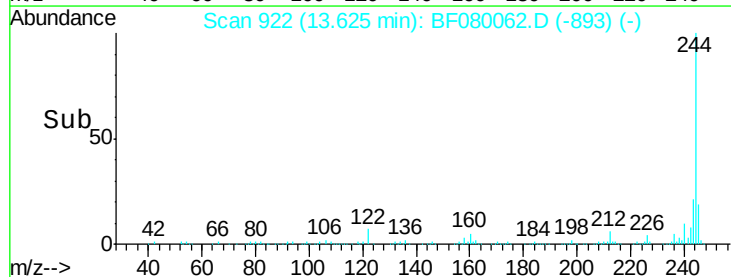
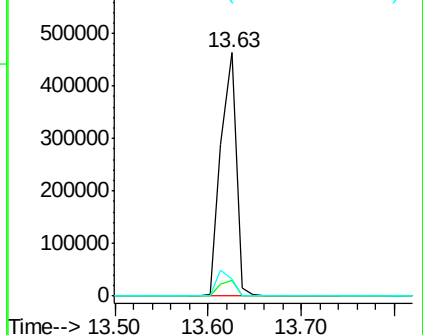


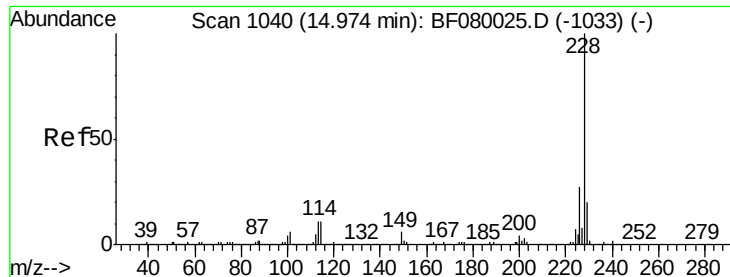
#78
 Terphenyl-d14
 Concen: 58.56 ng
 RT: 13.63 min Scan# 922
 Delta R.T. 0.04 min
 Lab File: BF080062.D
 Acq: 19 Jun 2015 17:29

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	4.3	6.5
122	6.8	17.4	26.2



Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.40 ng

RT: 14.92 min Scan# 1035

Delta R.T. 0.07 min

Lab File: BF080062.D

Acq: 19 Jun 2015 17:29

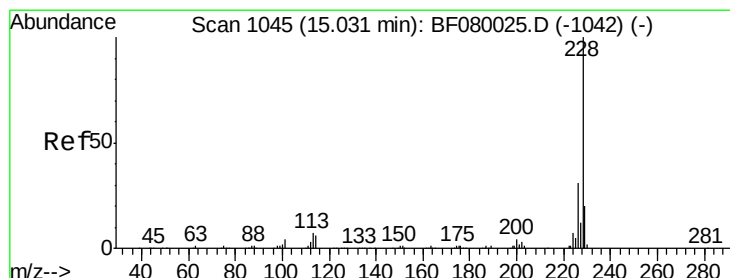
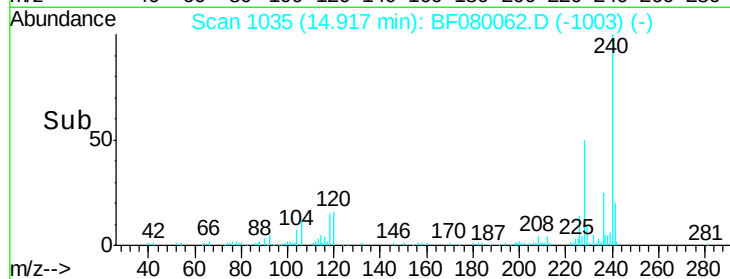
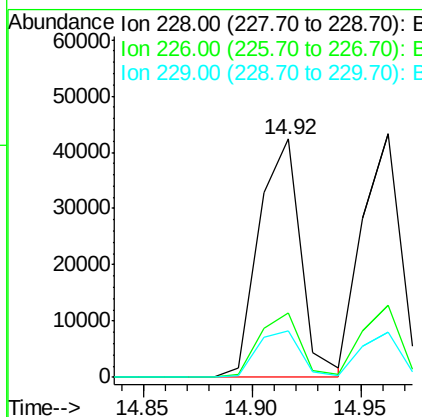
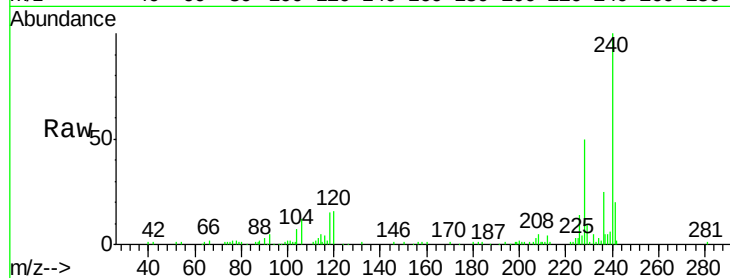
Instrument :

BNA_F

ClientSampleId :

LOD-WATER2015-01

Tgt Ion:	228	Resp:	56907
Ion	Ratio	Lower	Upper
228	100		
226	27.3	20.0	30.0
229	19.6	15.4	23.2



#82

Chrysene

Concen: 4.53 ng

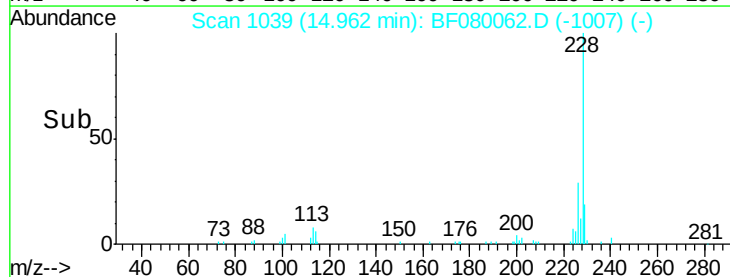
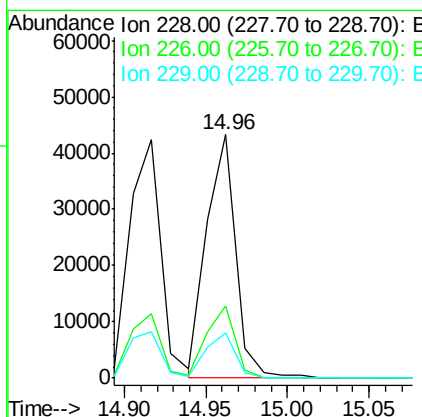
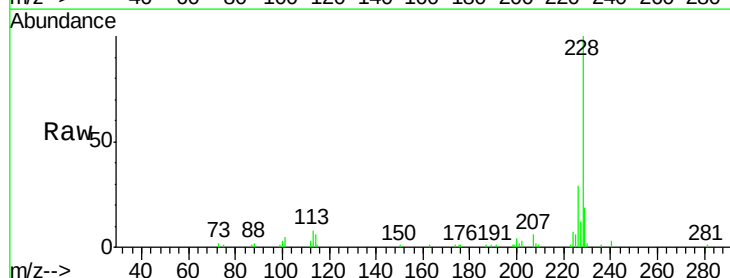
RT: 14.96 min Scan# 1039

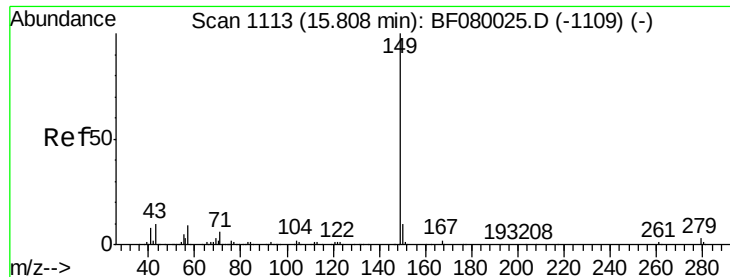
Delta R.T. 0.07 min

Lab File: BF080062.D

Acq: 19 Jun 2015 17:29

Tgt Ion:	228	Resp:	54044
Ion	Ratio	Lower	Upper
228	100		
226	29.4	21.0	31.4
229	18.5	15.6	23.4





#84

Di-n-octyl phthalate

Concen: 2.85 ng

RT: 15.73 min Scan# 1106

Delta R.T. 0.09 min

Lab File: BF080062.D

Acq: 19 Jun 2015 17:29

Instrument :

BNA_F

ClientSampleId :

LOD-WATER2015-01

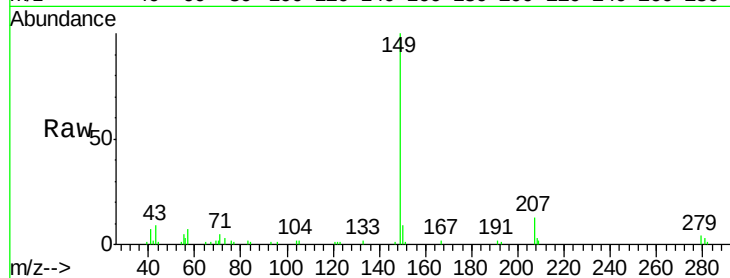
Tgt Ion:149 Resp: 40567

Ion Ratio Lower Upper

149 100

167 0.9 1.0 1.6#

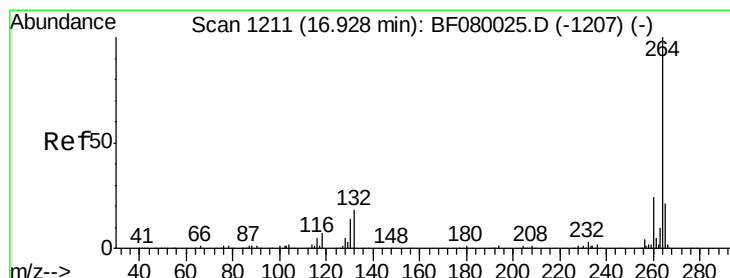
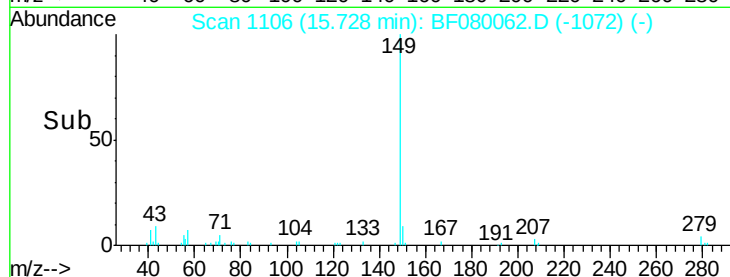
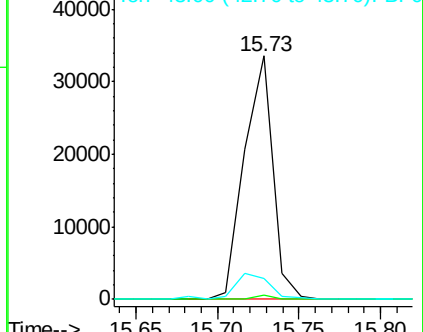
43 13.5 10.2 15.2



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.84 min Scan# 1203

Delta R.T. 0.09 min

Lab File: BF080062.D

Acq: 19 Jun 2015 17:29

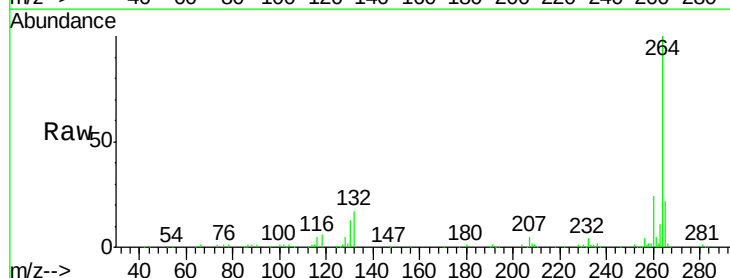
Tgt Ion:264 Resp: 197819

Ion Ratio Lower Upper

264 100

260 23.8 16.7 25.1

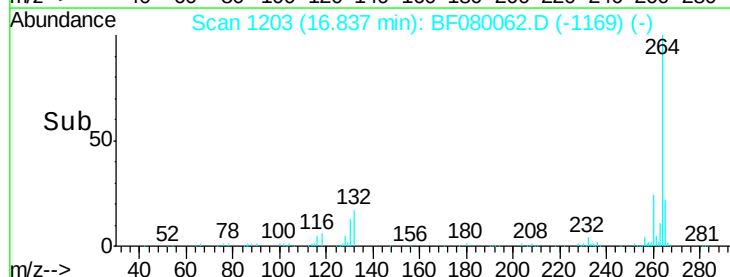
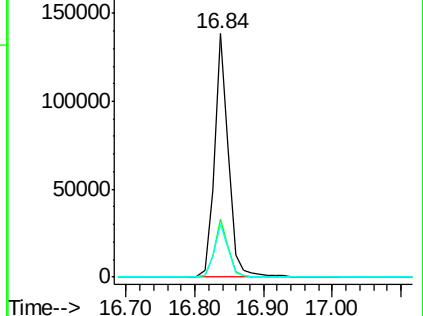
265 21.5 17.2 25.8

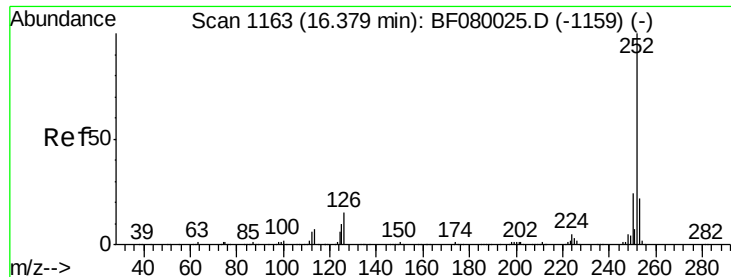


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

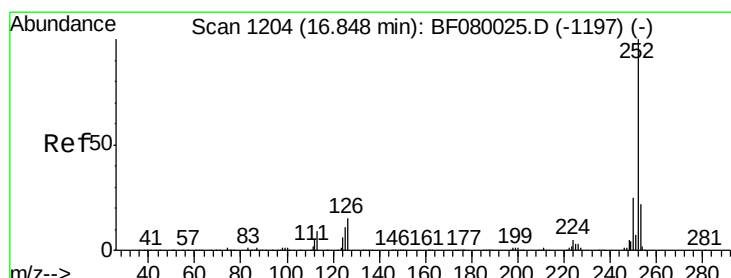
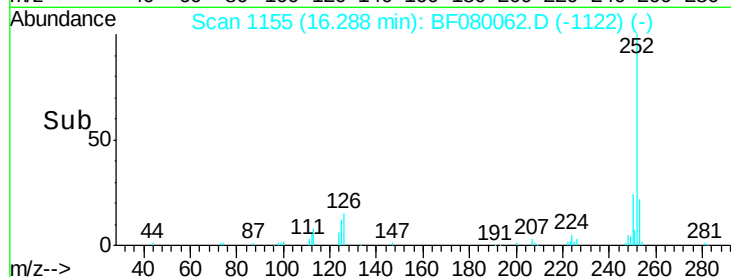
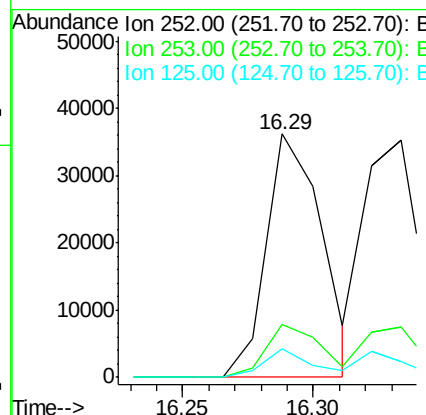
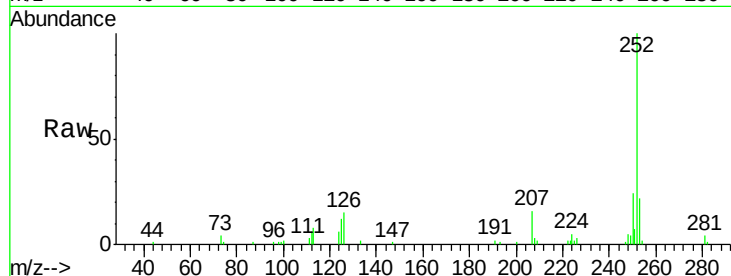




#87
Benzo(b)fluoranthene
Concen: 4.47 ng
RT: 16.29 min Scan# 1155
Delta R.T. 0.08 min
Lab File: BF080062.D
Acq: 19 Jun 2015 17:29

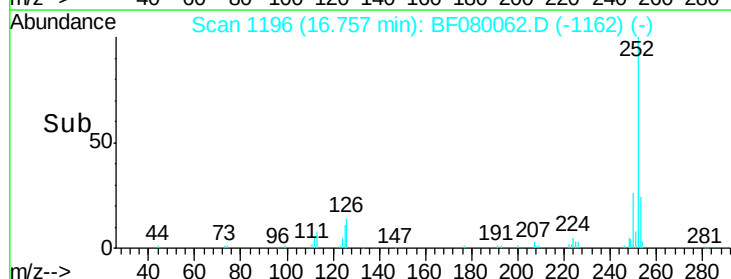
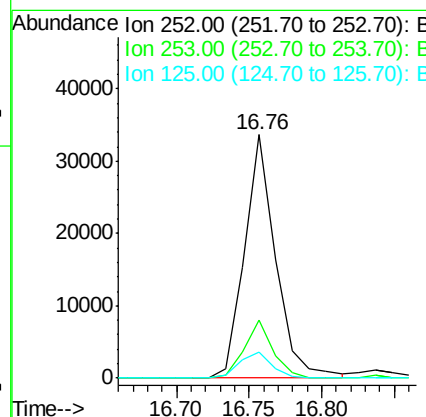
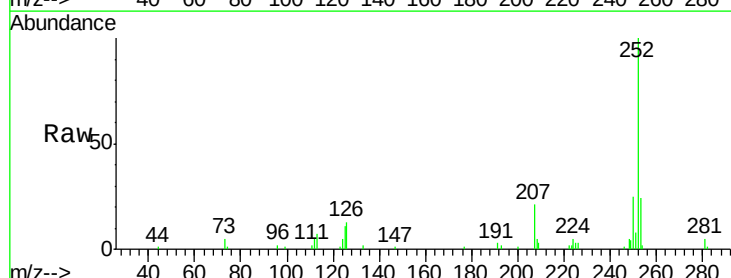
Instrument :
BNA_F
ClientSampleId :
LOD-WATER2015-01

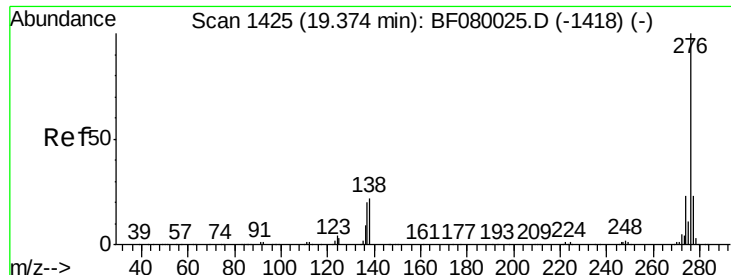
Tgt Ion: 252 Resp: 53525
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 11.9 17.1 25.7#



#89
Benzo(a)pyrene
Concen: 4.41 ng
RT: 16.76 min Scan# 1196
Delta R.T. 0.09 min
Lab File: BF080062.D
Acq: 19 Jun 2015 17:29

Tgt Ion: 252 Resp: 50164
Ion Ratio Lower Upper
252 100
253 23.6 17.2 25.8
125 10.8 18.0 27.0#





#91

Benzo(g,h,i)perylene

Concen: 4.25 ng

RT: 19.25 min Scan# 1414

Delta R.T. 0.07 min

Lab File: BF080062.D

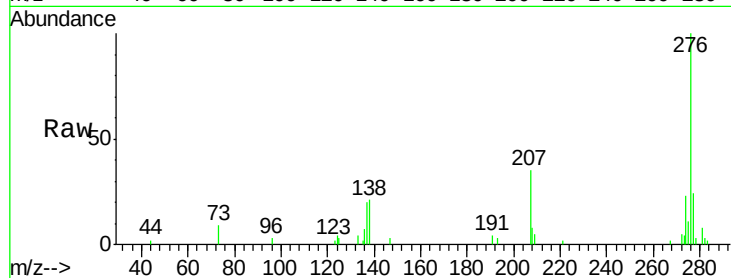
Acq: 19 Jun 2015 17:29

Instrument :

BNA_F

ClientSampleId :

LOD-WATER2015-01



Tgt Ion:	276	Resp:	49940
Ion	Ratio	Lower	Upper
276	100		
277	23.8	17.8	26.6
138	21.1	34.6	51.8#

