

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091715\
 Data File : BF081676.D
 Acq On : 17 Sep 2015 13:17
 Operator : UM/IZ
 Sample : G3669-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-91415-WATER

Quant Time: Sep 18 03:24:40 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 15 14:03:59 2015
 Response via : Initial Calibration

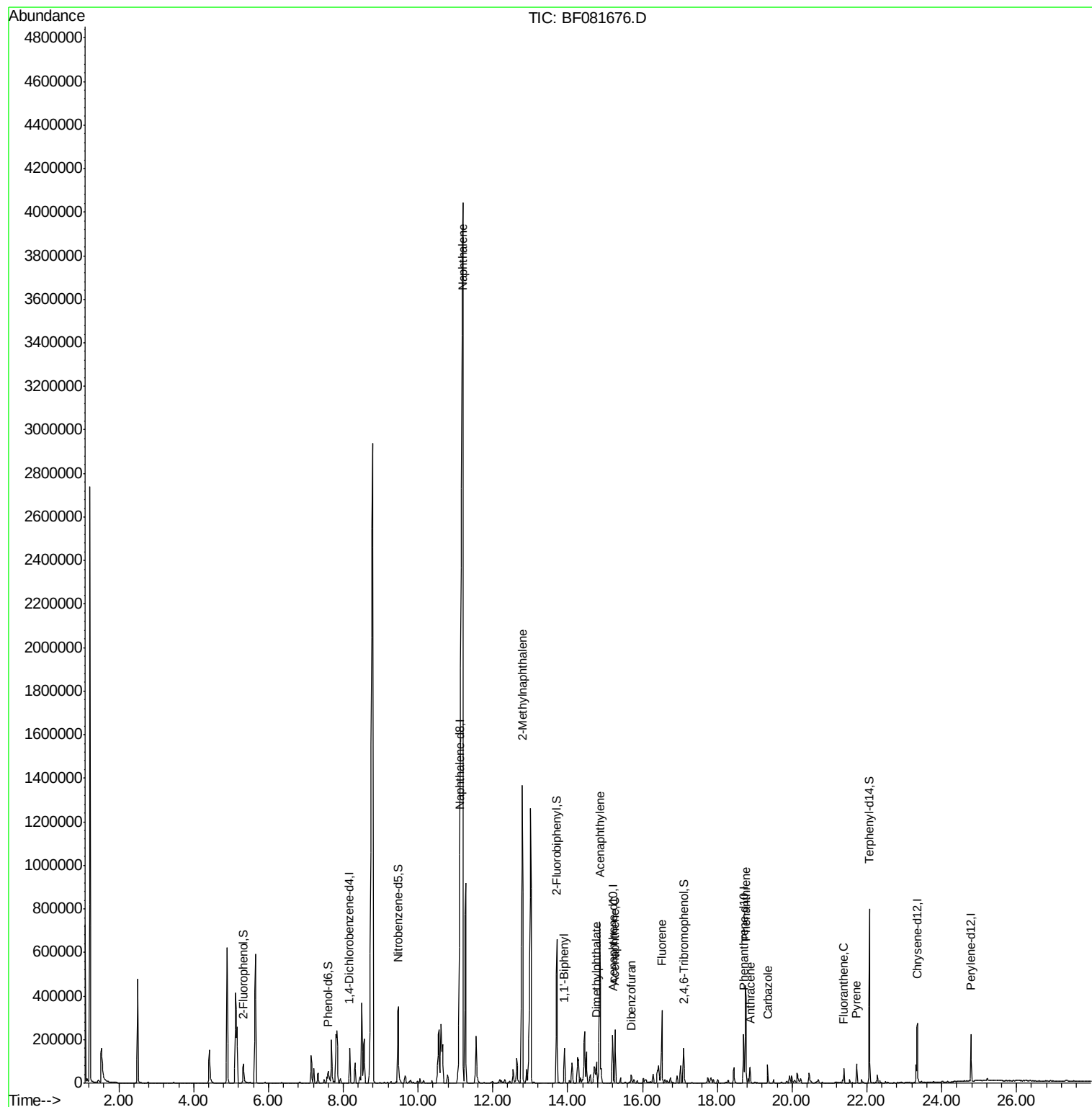
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	43659	20.00	ng	-0.04
21) Naphthalene-d8	11.11	136	171380	20.00	ng	-0.01
38) Acenaphthene-d10	15.20	164	80385	20.00	ng	-0.06
63) Phenanthrene-d10	18.70	188	161969	20.00	ng	-0.06
75) Chrysene-d12	23.35	240	133849	20.00	ng	-0.03
86) Perylene-d12	24.78	264	90801	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	54172	19.25	ng	-0.02
7) Phenol-d6	7.60	99	45957	12.34	ng	-0.04
23) Nitrobenzene-d5	9.48	82	213829	60.20	ng	-0.06
41) 2,4,6-Tribromophenol	17.10	330	27641	38.62	ng	-0.07
44) 2-Fluorobiphenyl	13.72	172	363666	57.98	ng	-0.06
78) Terphenyl-d14	22.07	244	280045	48.70	ng	-0.04
Target Compounds						Qvalue
31) Naphthalene	11.20	128	7585218	829.90	ng	96
37) 2-Methylnaphthalene	12.79	142	827598	139.14	ng	# 88
45) 1,1'-Biphenyl	13.91	154	94614	12.79	ng	95
48) Acenaphthylene	14.86	152	611131	64.50	ng	97
49) Dimethylphthalate	14.77	163	57748	9.25	ng	# 96
51) Acenaphthene	15.27	154	74790	13.88	ng	# 84
54) Dibenzofuran	15.69	168	27185	3.45	ng	# 80
57) Fluorene	16.52	166	192514	32.23	ng	95
70) Phenanthrene	18.76	178	326286	36.24	ng	98
71) Anthracene	18.88	178	56063	6.06	ng	98
72) Carbazole	19.35	167	64557	7.44	ng	# 95
74) Fluoranthene	21.39	202	42993	4.41	ng	86
77) Pyrene	21.73	202	57949	5.84	ng	99

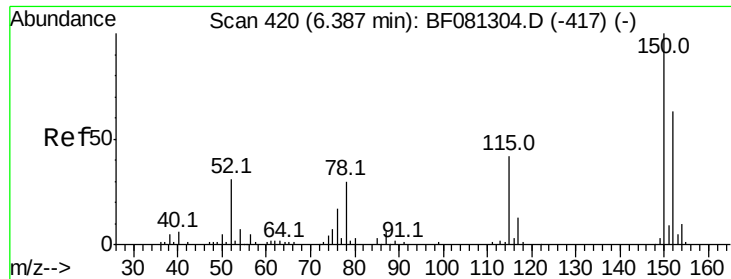
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.17 min Scan# 620

Delta R.T. -0.04 min

Lab File: BF081676.D

Acq: 17 Sep 2015 13:17

Instrument :

BNA_F

ClientSampleId :

WC-91415-WATER

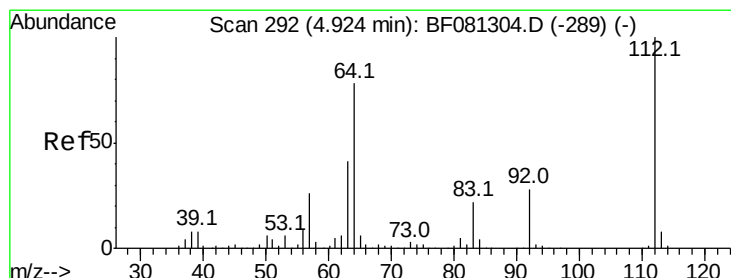
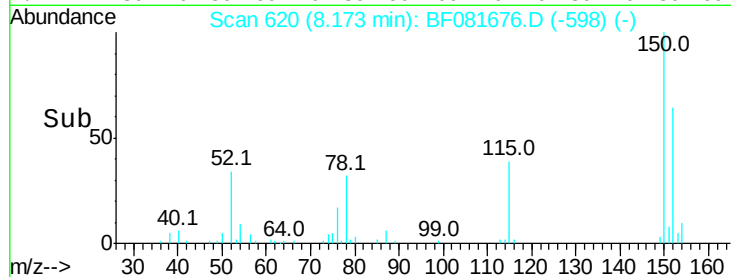
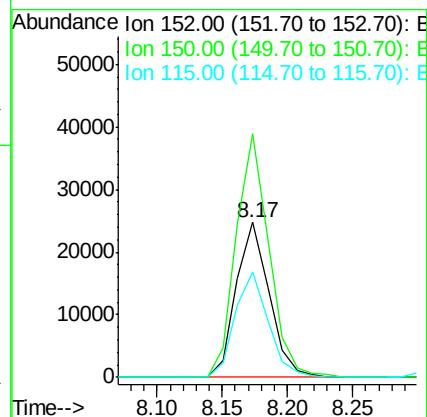
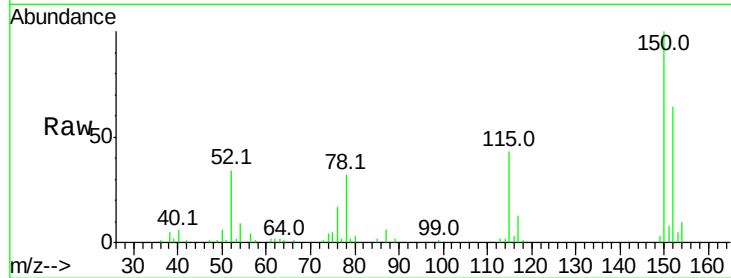
Tgt Ion:152 Resp: 43659

Ion Ratio Lower Upper

152 100

150 157.1 124.7 187.1

115 68.2 39.0 58.4#



#5

2-Fluorophenol

Concen: 19.25 ng

RT: 5.33 min Scan# 371

Delta R.T. -0.02 min

Lab File: BF081676.D

Acq: 17 Sep 2015 13:17

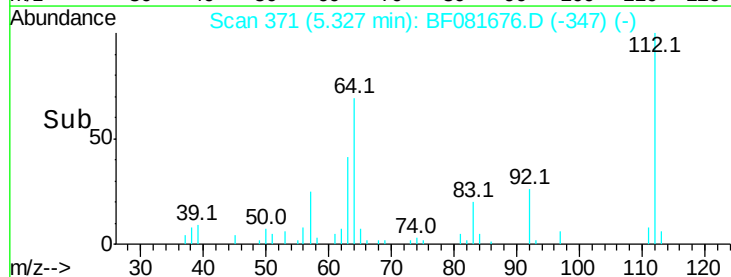
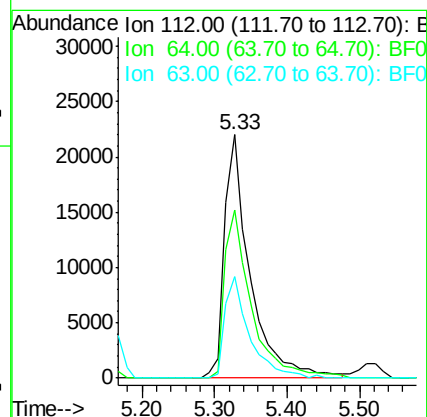
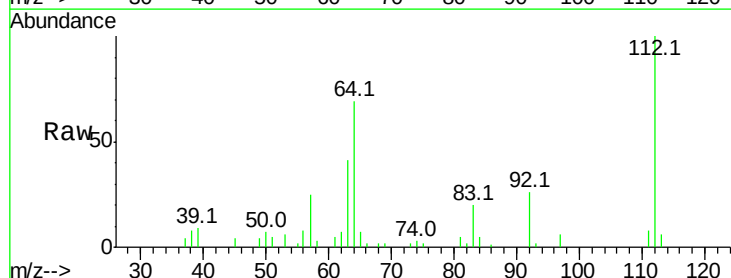
Tgt Ion:112 Resp: 54172

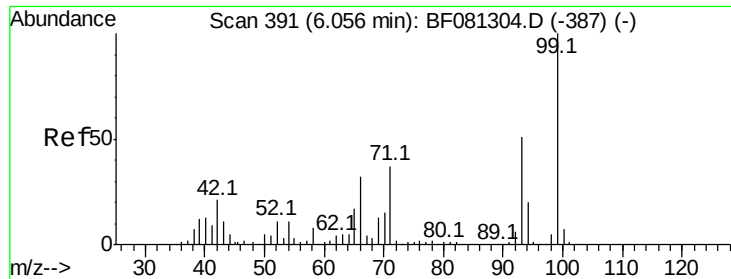
Ion Ratio Lower Upper

112 100

64 68.9 39.7 59.5#

63 41.4 17.4 26.0#





#7

Phenol-d6

Concen: 12.34 ng

RT: 7.60 min Scan# 570

Delta R.T. -0.04 min

Lab File: BF081676.D

Acq: 17 Sep 2015 13:17

Instrument :

BNA_F

ClientSampleId :

WC-91415-WATER

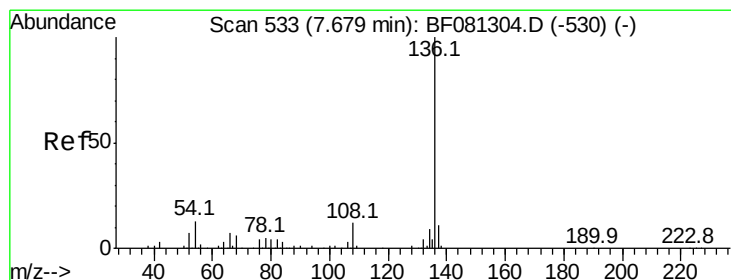
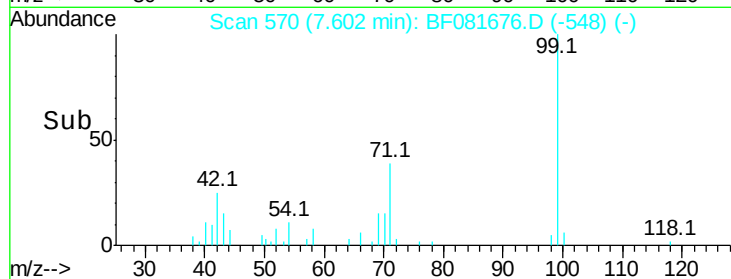
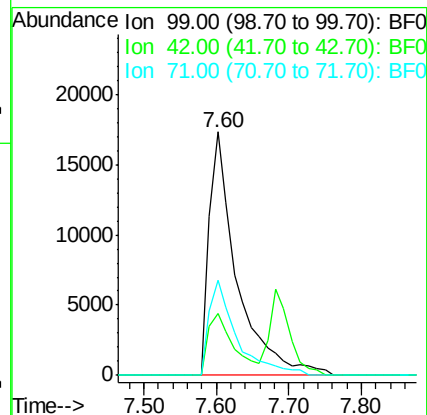
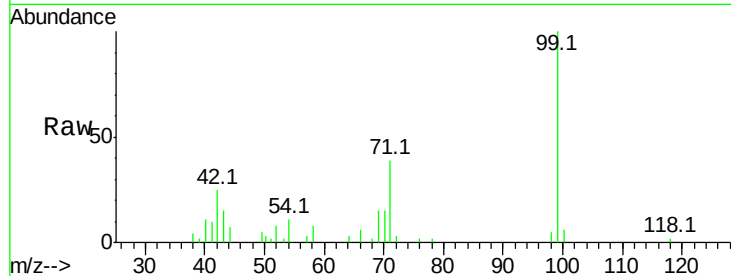
Tgt Ion: 99 Resp: 45957

Ion Ratio Lower Upper

99 100

42 25.3 13.7 20.5#

71 38.8 14.2 21.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.11 min Scan# 877

Delta R.T. -0.01 min

Lab File: BF081676.D

Acq: 17 Sep 2015 13:17

Tgt Ion: 136 Resp: 171380

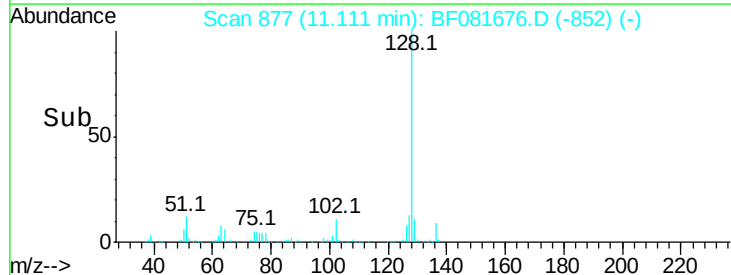
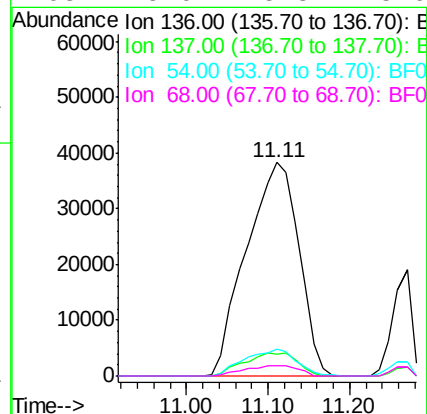
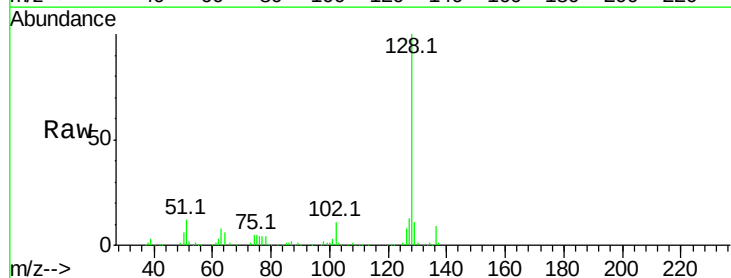
Ion Ratio Lower Upper

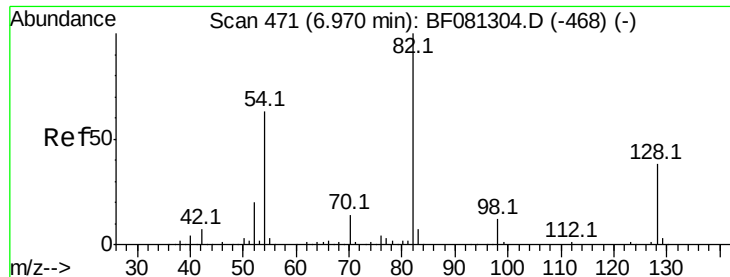
136 100

137 10.4 9.0 13.6

54 12.3 8.2 12.2#

68 5.0 5.8 8.6#

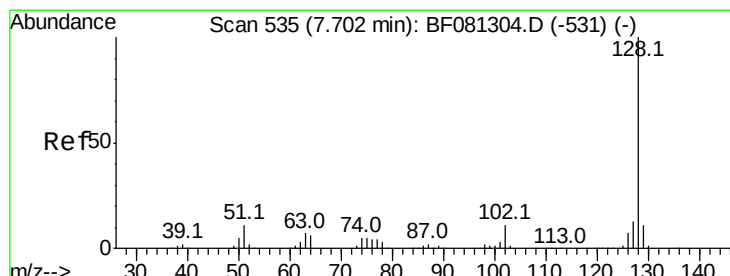
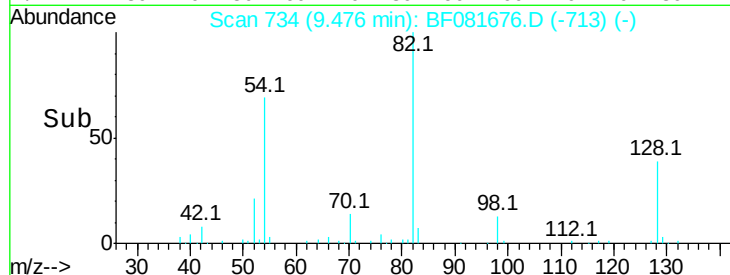
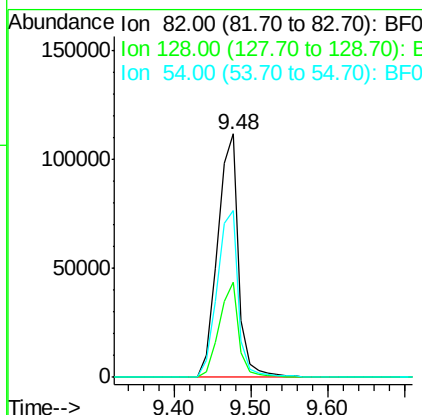
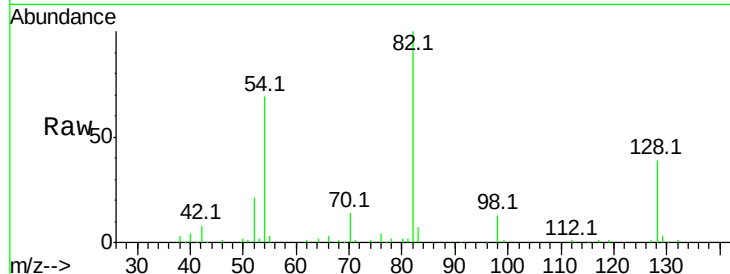




#23
 Nitrobenzene-d5
 Concen: 60.20 ng
 RT: 9.48 min Scan# 734
 Delta R.T. -0.06 min
 Lab File: BF081676.D
 Acq: 17 Sep 2015 13:17

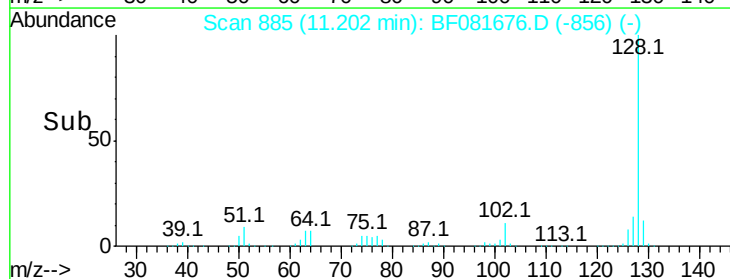
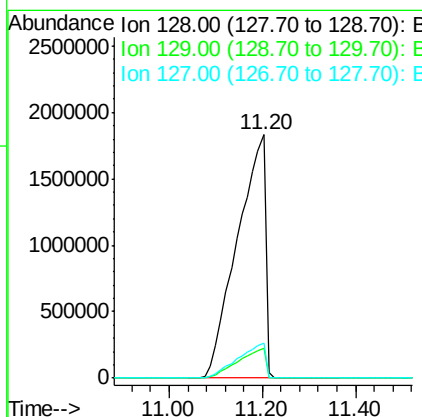
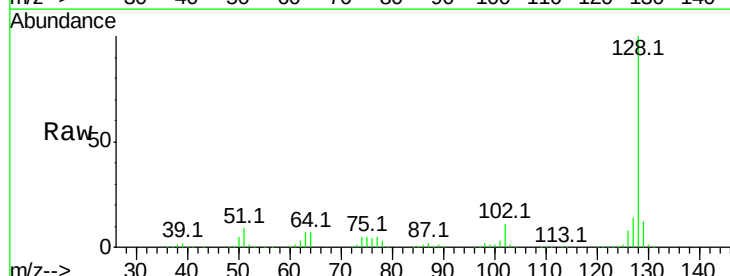
Instrument :
 BNA_F
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 WC-91415-WATER

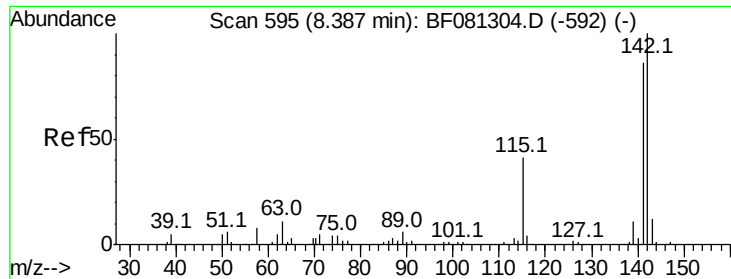
Tgt Ion:	82	Resp:	213829
Ion	Ratio	Lower	Upper
82	100		
128	38.9	51.0	76.6#
54	68.5	47.5	71.3



#31
 Naphthalene
 Concen: 829.90 ng
 RT: 11.20 min Scan# 885
 Delta R.T. 0.04 min
 Lab File: BF081676.D
 Acq: 17 Sep 2015 13:17

Tgt Ion:	128	Resp:	7585218
Ion	Ratio	Lower	Upper
128	100		
129	12.0	8.4	12.6
127	14.3	9.9	14.9

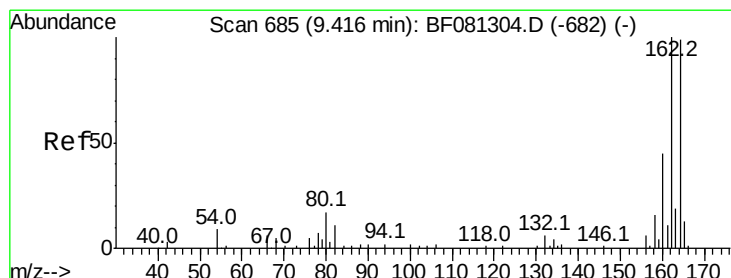
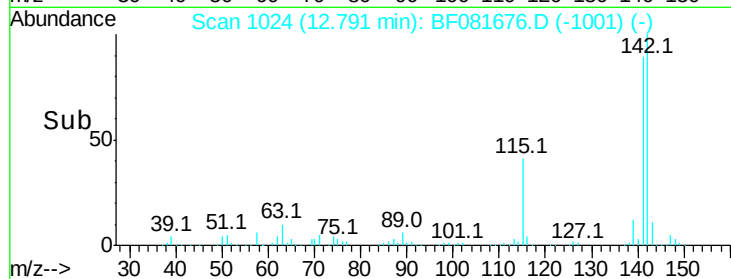
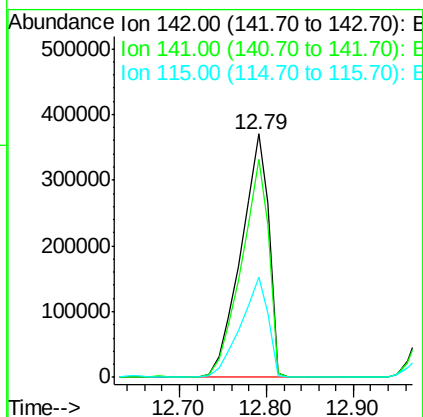
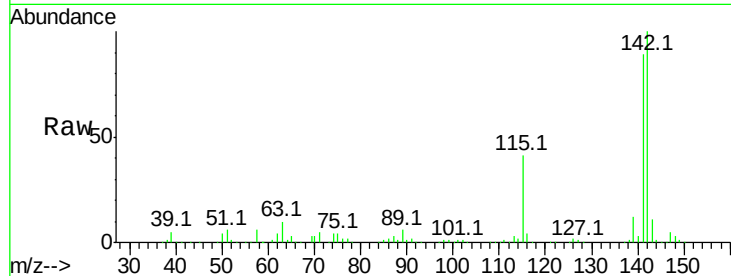




#37
 2-Methylnaphthalene
 Concen: 139.14 ng
 RT: 12.79 min Scan# 1024
 Delta R.T. -0.03 min
 Lab File: BF081676.D
 Acq: 17 Sep 2015 13:17

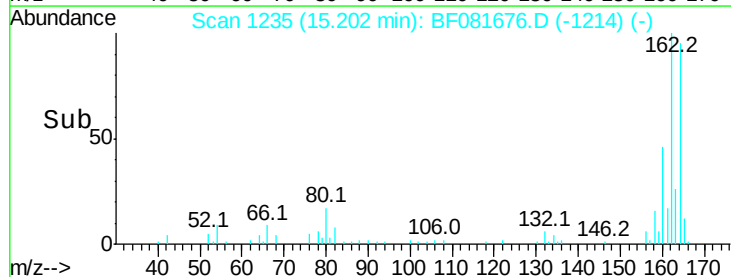
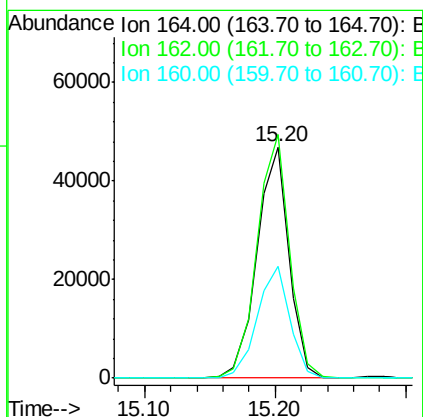
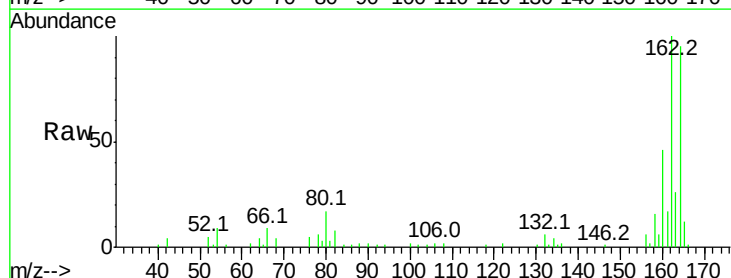
Instrument :
 BNA_F
 ClientSampleId :
 WC-91415-WATER

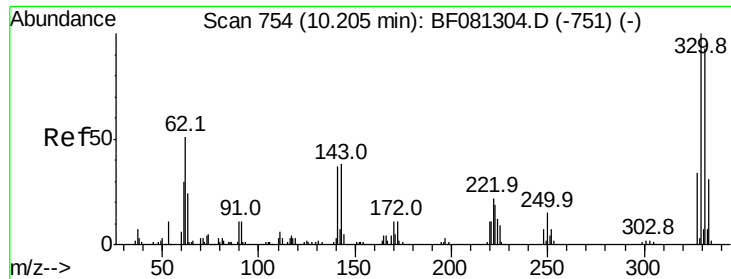
Tgt Ion:142 Resp: 827598
 Ion Ratio Lower Upper
 142 100
 141 89.4 67.5 101.3
 115 41.3 18.2 27.2#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.20 min Scan# 1235
 Delta R.T. -0.06 min
 Lab File: BF081676.D
 Acq: 17 Sep 2015 13:17

Tgt Ion:164 Resp: 80385
 Ion Ratio Lower Upper
 164 100
 162 105.3 75.2 112.8
 160 48.1 31.5 47.3#

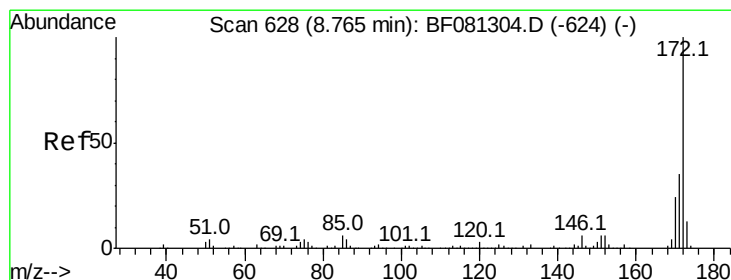
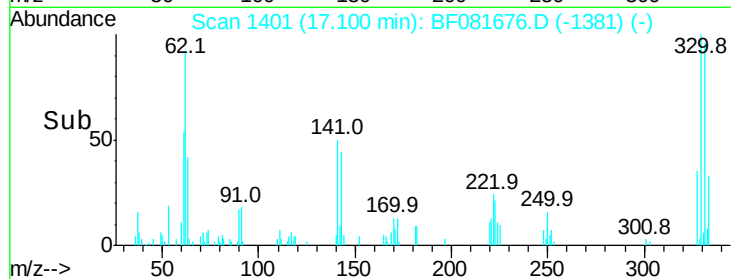
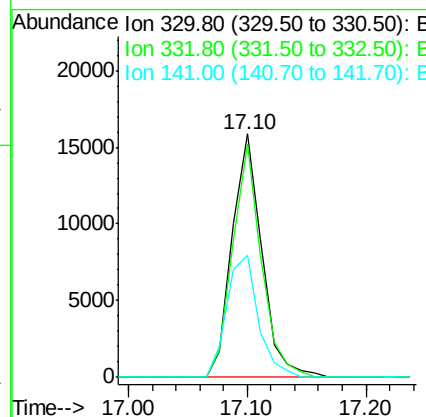
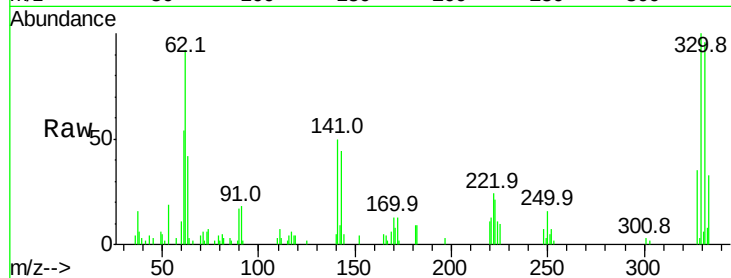




#41
 2,4,6-Tribromophenol
 Concen: 38.62 ng
 RT: 17.10 min Scan# 1401
 Delta R.T. -0.07 min
 Lab File: BF081676.D
 Acq: 17 Sep 2015 13:17

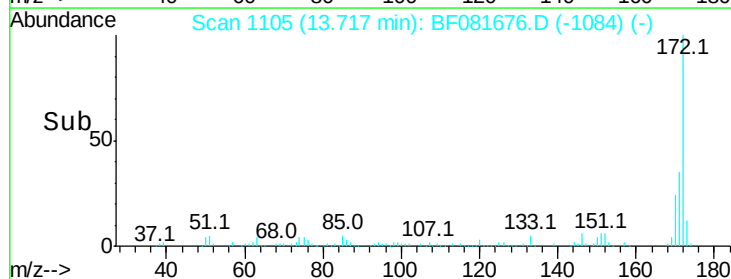
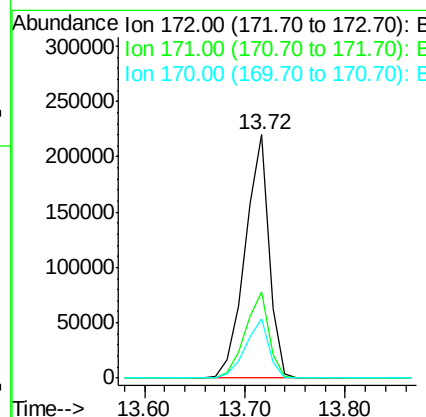
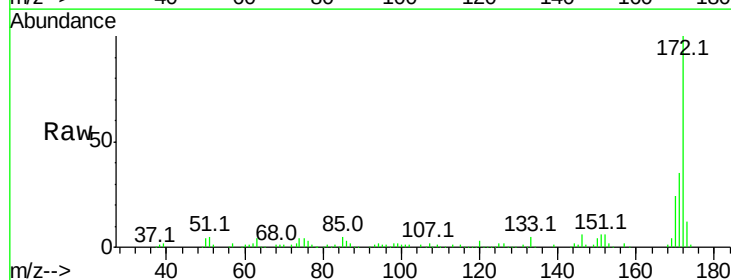
Instrument :
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 WC-91415-WATER

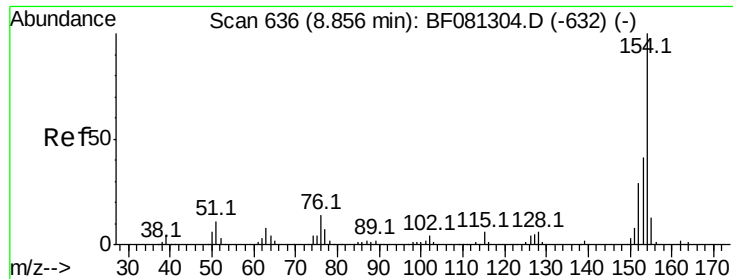
Tgt Ion:330 Resp: 27641
 Ion Ratio Lower Upper
 330 100
 332 92.8 76.6 114.8
 141 52.9 29.7 44.5#



#44
 2-Fluorobiphenyl
 Concen: 57.98 ng
 RT: 13.72 min Scan# 1105
 Delta R.T. -0.06 min
 Lab File: BF081676.D
 Acq: 17 Sep 2015 13:17

Tgt Ion:172 Resp: 363666
 Ion Ratio Lower Upper
 172 100
 171 35.4 26.1 39.1
 170 24.2 17.4 26.2

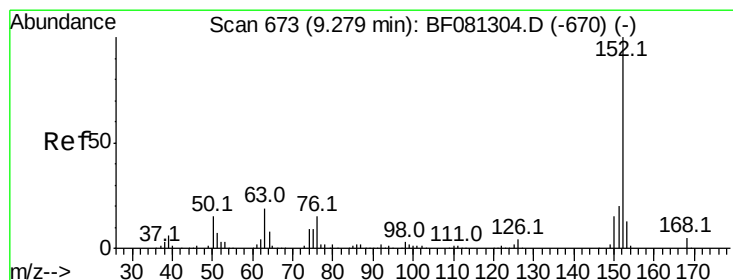
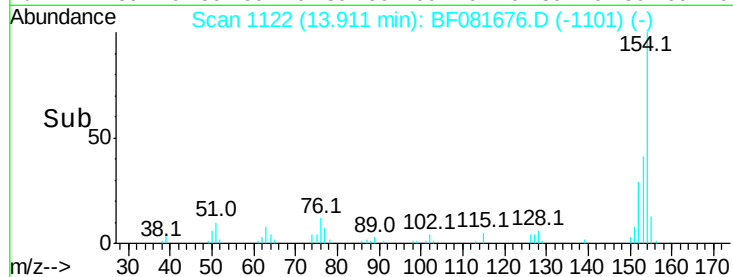
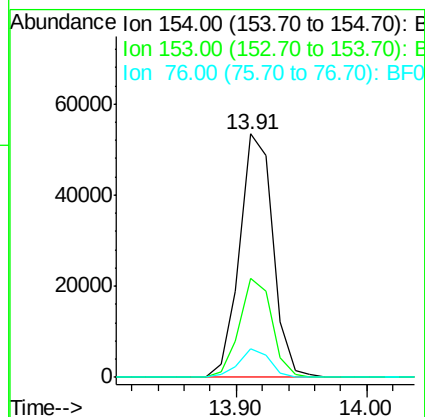
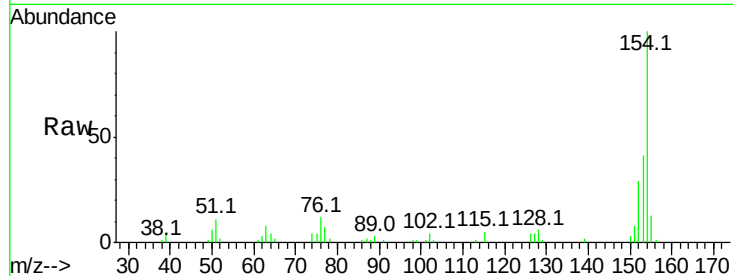




#45
 1,1'-Biphenyl
 Concen: 12.79 ng
 RT: 13.91 min Scan# 1122
 Delta R.T. -0.06 min
 Lab File: BF081676.D
 Acq: 17 Sep 2015 13:17

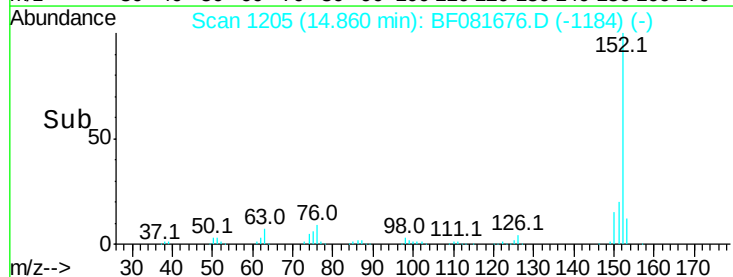
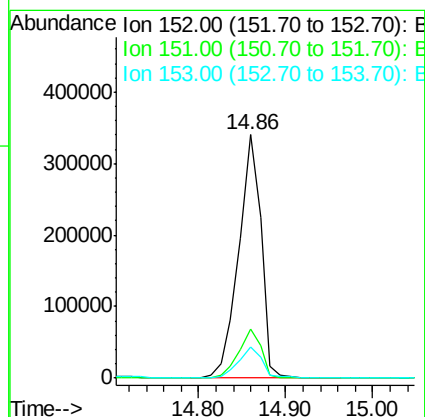
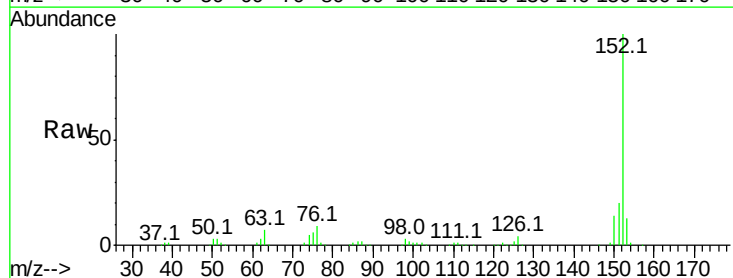
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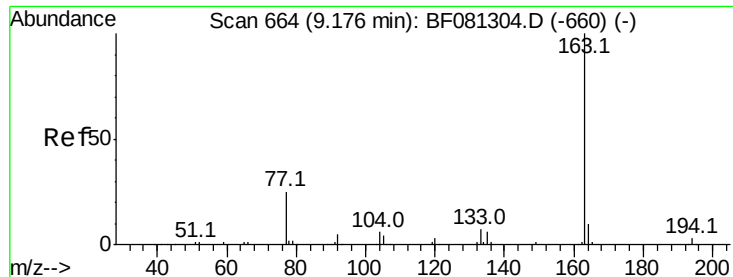
Tgt Ion:154 Resp: 94614
 Ion Ratio Lower Upper
 154 100
 153 40.9 17.1 57.1
 76 11.7 0.0 31.6



#48
 Acenaphthylene
 Concen: 64.50 ng
 RT: 14.86 min Scan# 1205
 Delta R.T. -0.06 min
 Lab File: BF081676.D
 Acq: 17 Sep 2015 13:17

Tgt Ion:152 Resp: 611131
 Ion Ratio Lower Upper
 152 100
 151 20.2 14.6 22.0
 153 12.8 10.3 15.5





#49

Dimethylphthalate

Concen: 9.25 ng

RT: 14.77 min Scan# 1197

Delta R.T. -0.09 min

Lab File: BF081676.D

Acq: 17 Sep 2015 13:17

Instrument :

BNA_F

ClientSampleId :

WC-91415-WATER

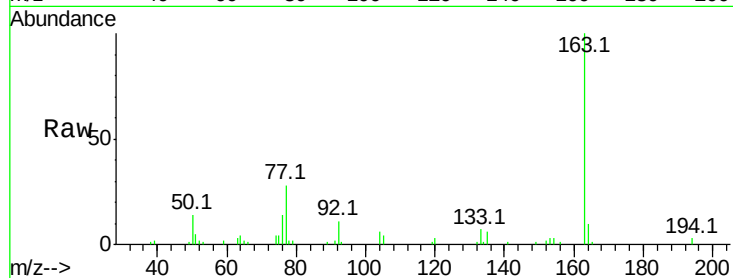
Tgt Ion:163 Resp: 57748

Ion Ratio Lower Upper

163 100

194 3.1 4.4 6.6#

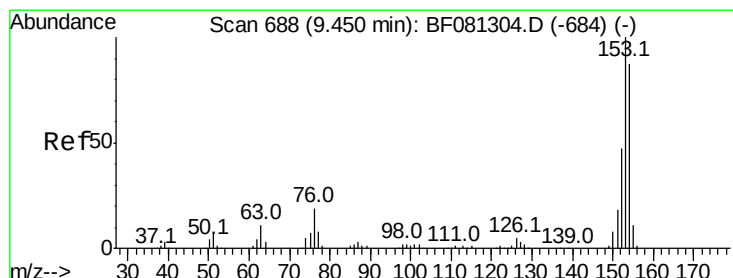
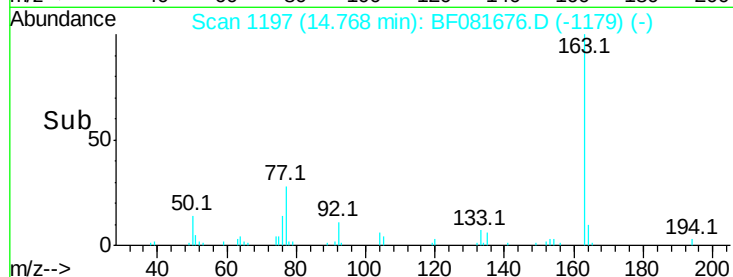
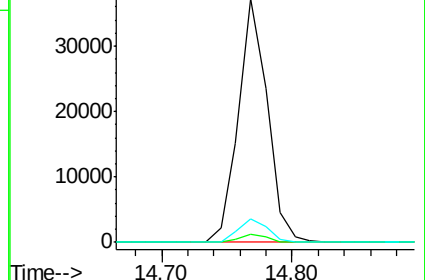
164 9.8 8.3 12.5



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



#51

Acenaphthene

Concen: 13.88 ng

RT: 15.27 min Scan# 1241

Delta R.T. -0.07 min

Lab File: BF081676.D

Acq: 17 Sep 2015 13:17

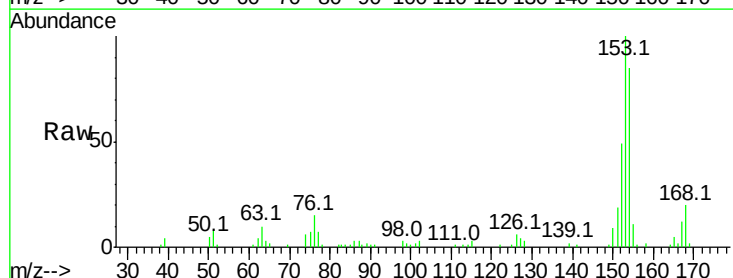
Tgt Ion:154 Resp: 74790

Ion Ratio Lower Upper

154 100

153 118.0 82.1 123.1

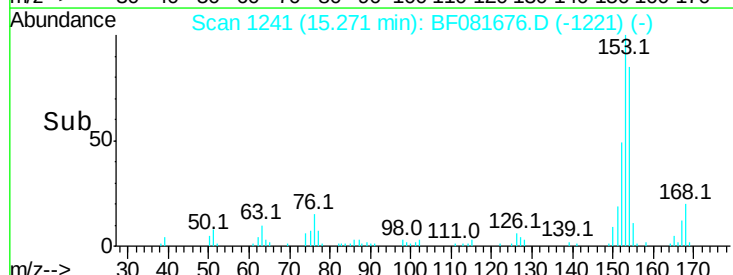
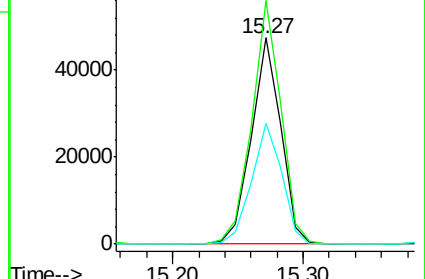
152 58.4 37.9 56.9#

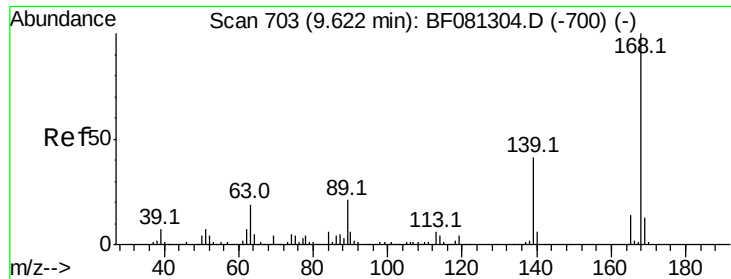


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 3.45 ng

RT: 15.69 min Scan# 1278

Delta R.T. -0.07 min

Lab File: BF081676.D

Acq: 17 Sep 2015 13:17

Instrument :

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ClientSampleId :

WC-91415-WATER

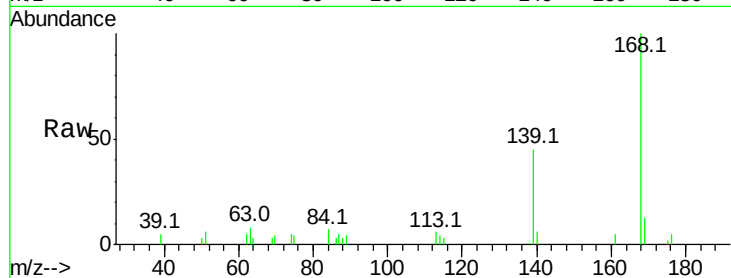
Tgt Ion:168 Resp: 27185

Ion Ratio Lower Upper

168 100

139 45.3 24.2 36.2#

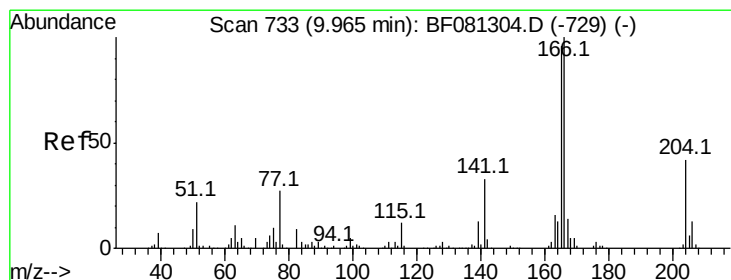
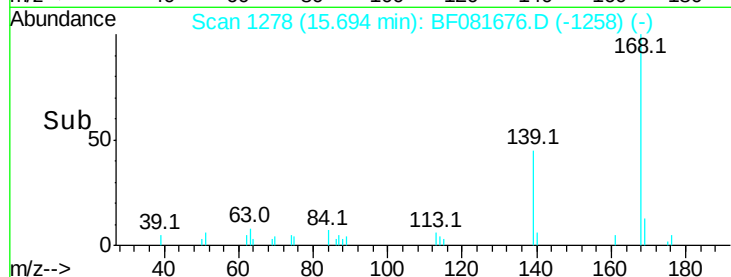
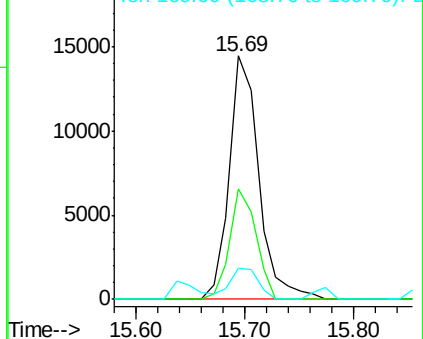
169 13.0 10.6 15.8



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: 32.23 ng

RT: 16.52 min Scan# 1350

Delta R.T. -0.06 min

Lab File: BF081676.D

Acq: 17 Sep 2015 13:17

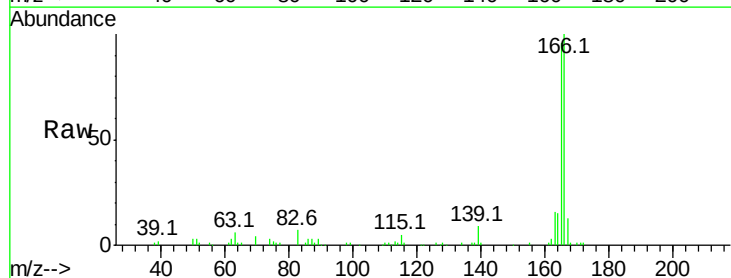
Tgt Ion:166 Resp: 192514

Ion Ratio Lower Upper

166 100

165 96.2 72.6 109.0

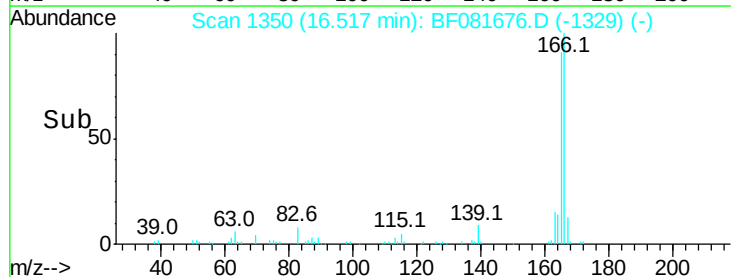
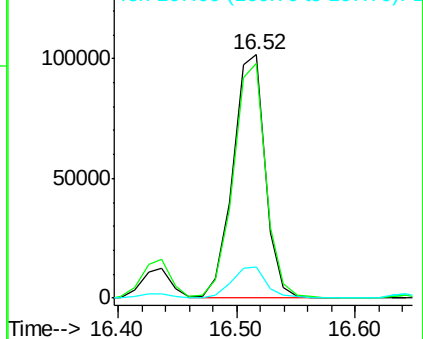
167 12.8 10.6 16.0

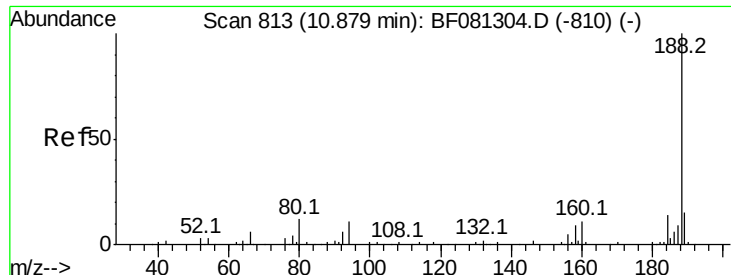


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

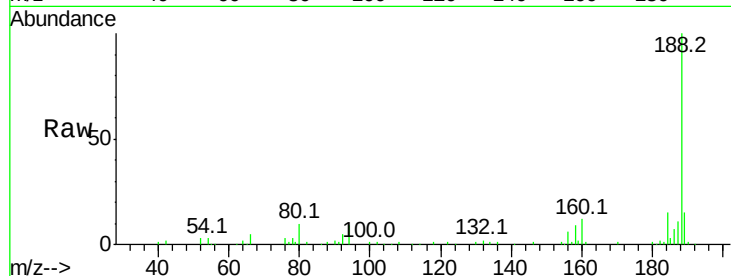




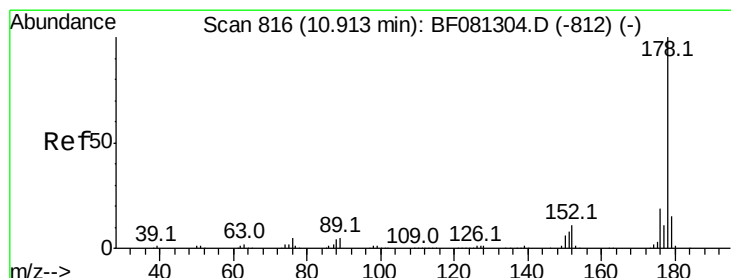
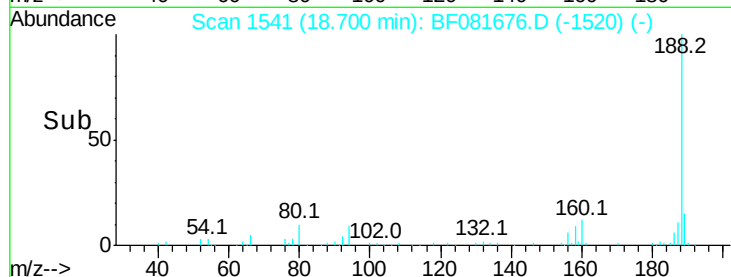
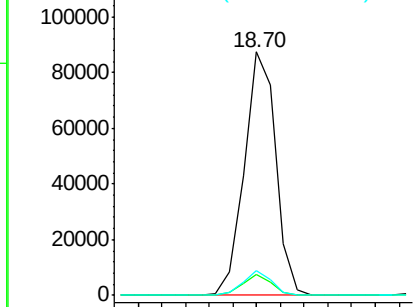
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.70 min Scan# 1541
Delta R.T. -0.06 min
Lab File: BF081676.D
Acq: 17 Sep 2015 13:17

Instrument :
BNA_F
ClientSampleId :
WC-91415-WATER

Tgt Ion:188 Resp: 161969
Ion Ratio Lower Upper
188 100
94 8.7 11.1 16.7#
80 9.9 11.0 16.4#

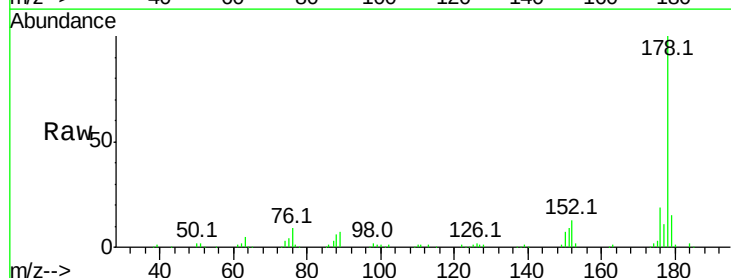


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

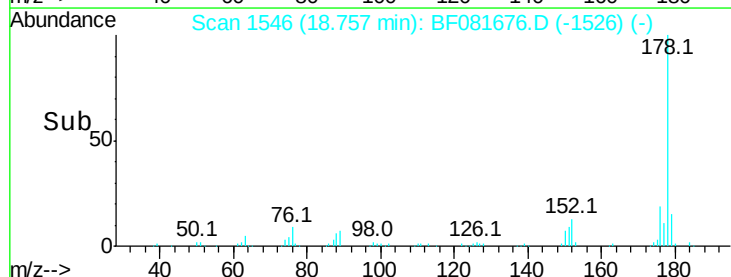
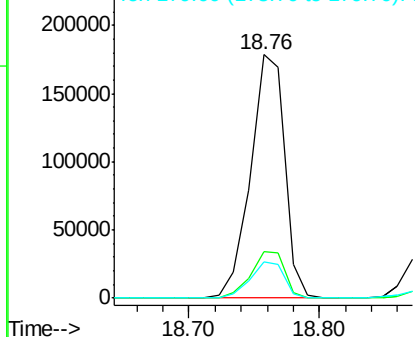


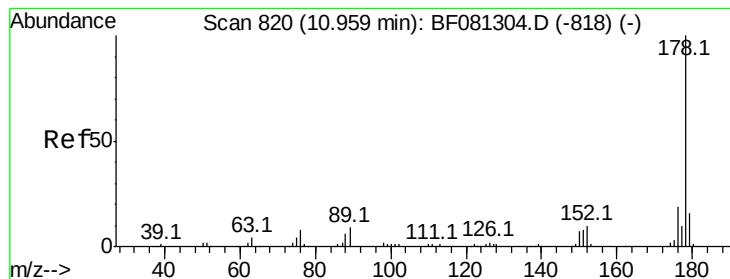
#70
Phenanthrene
Concen: 36.24 ng
RT: 18.76 min Scan# 1546
Delta R.T. -0.07 min
Lab File: BF081676.D
Acq: 17 Sep 2015 13:17

Tgt Ion:178 Resp: 326286
Ion Ratio Lower Upper
178 100
176 18.8 13.8 20.8
179 14.9 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





#71

Anthracene

Concen: 6.06 ng

RT: 18.88 min Scan# 1557

Delta R.T. -0.07 min

Lab File: BF081676.D

Acq: 17 Sep 2015 13:17

Instrument :

BNA_F

ClientSampleId :

WC-91415-WATER

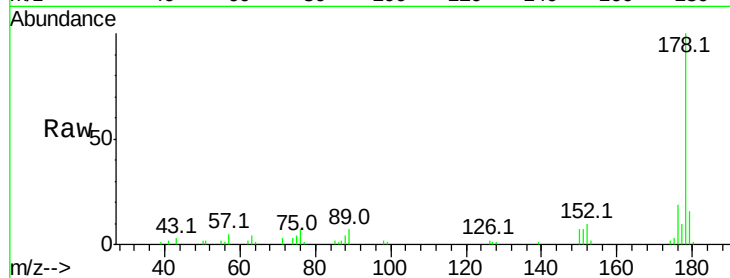
Tgt Ion:178 Resp: 56063

Ion Ratio Lower Upper

178 100

176 19.2 14.1 21.1

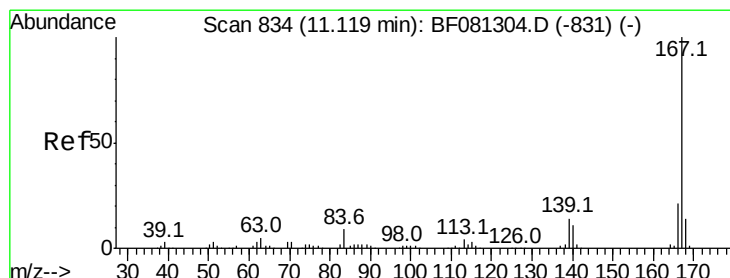
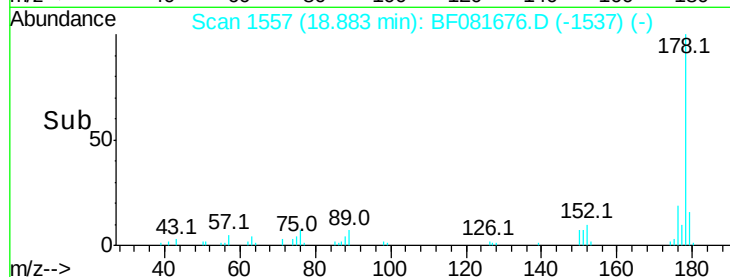
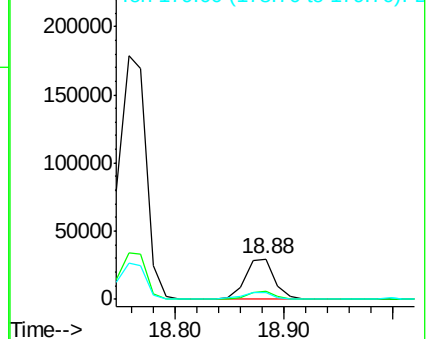
179 15.7 12.2 18.2



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: 7.44 ng

RT: 19.35 min Scan# 1598

Delta R.T. -0.07 min

Lab File: BF081676.D

Acq: 17 Sep 2015 13:17

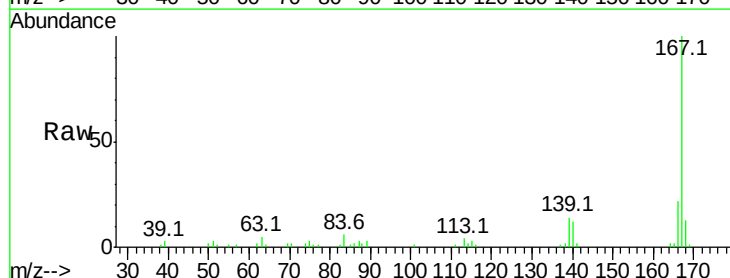
Tgt Ion:167 Resp: 64557

Ion Ratio Lower Upper

167 100

166 21.6 15.7 23.5

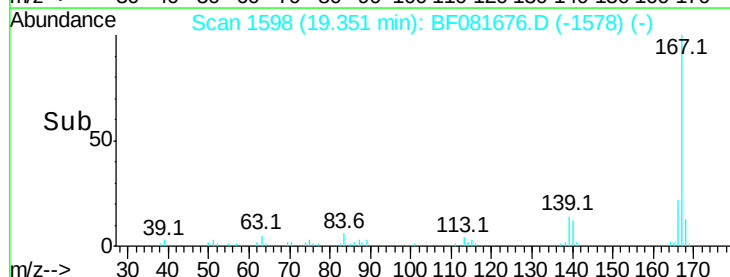
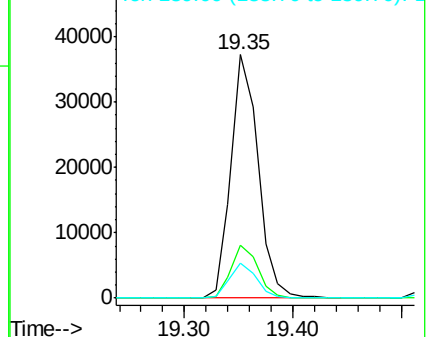
139 14.3 9.5 14.3#

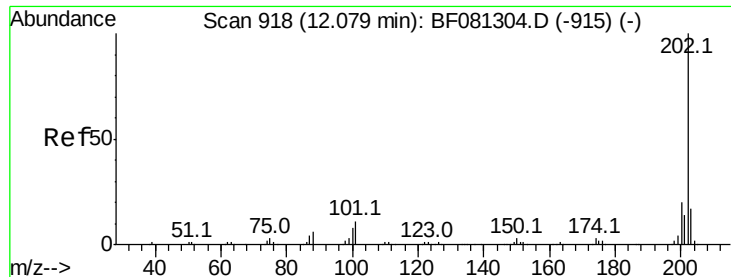


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 4.41 ng

RT: 21.39 min Scan# 1776

Delta R.T. -0.04 min

Lab File: BF081676.D

Acq: 17 Sep 2015 13:17

Instrument :

BNA_F

ClientSampleId :

WC-91415-WATER

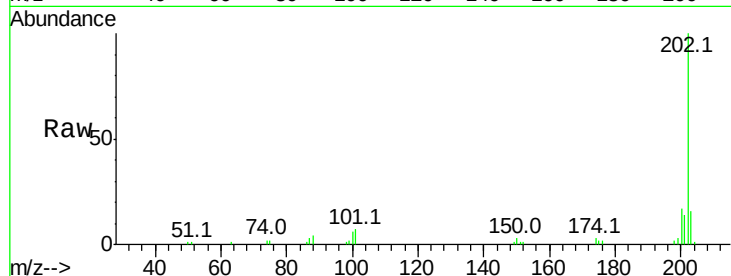
Tgt Ion:202 Resp: 42993

Ion Ratio Lower Upper

202 100

101 7.0 0.0 38.3

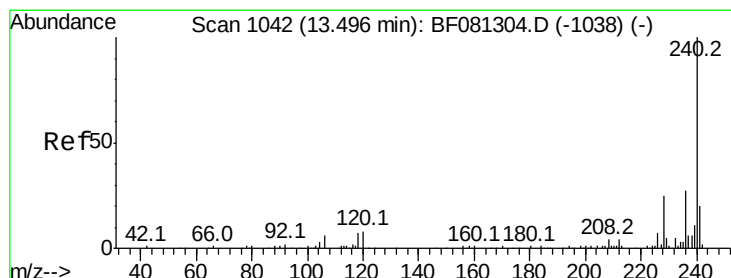
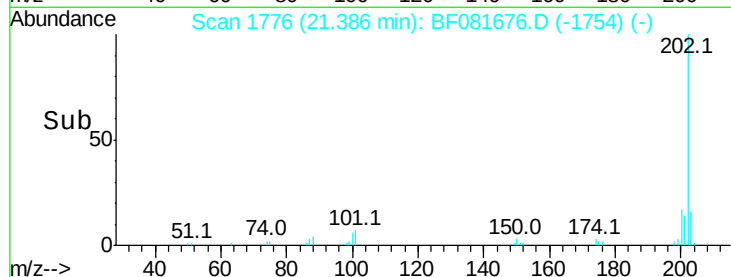
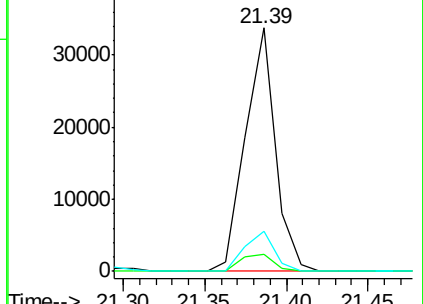
203 16.5 0.0 37.3



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: 23.35 min Scan# 1948

Delta R.T. -0.03 min

Lab File: BF081676.D

Acq: 17 Sep 2015 13:17

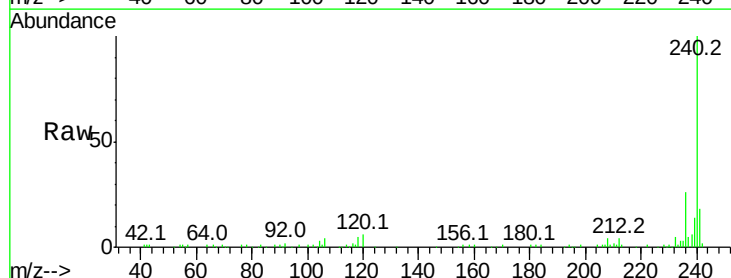
Tgt Ion:240 Resp: 133849

Ion Ratio Lower Upper

240 100

120 6.1 16.2 24.2#

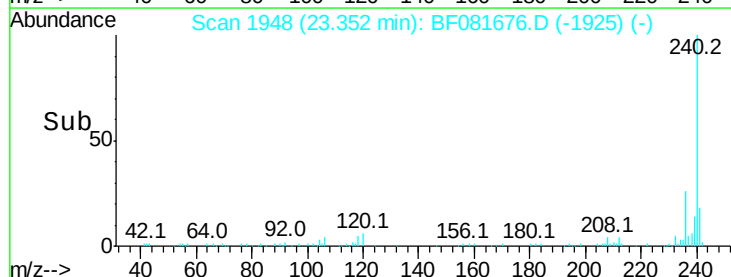
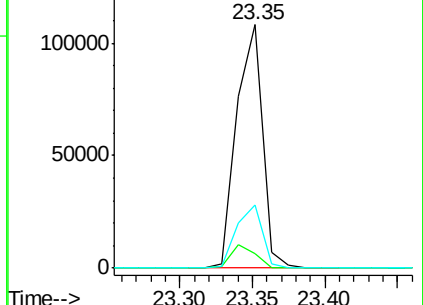
236 26.0 18.4 27.6

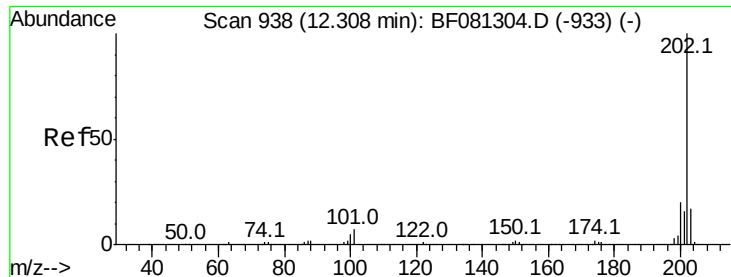


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

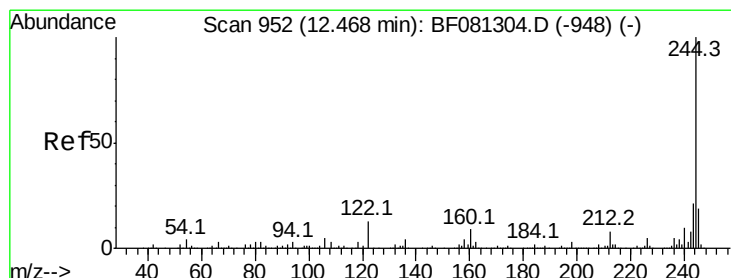
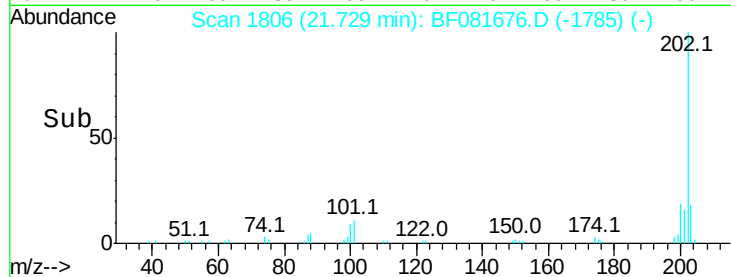
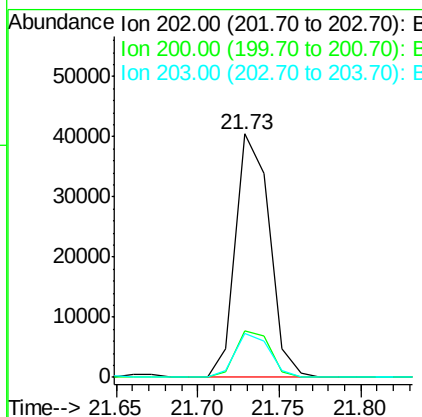
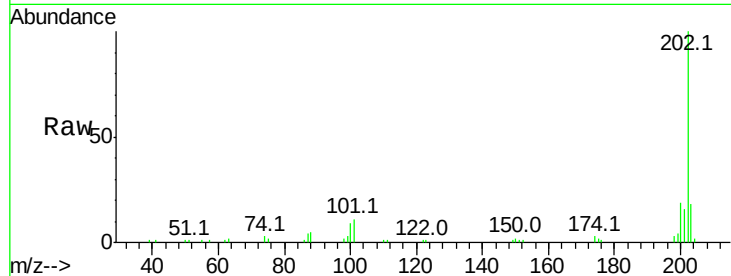




#77
Pyrene
 Concen: 5.84 ng
 RT: 21.73 min Scan# 1806
 Delta R.T. -0.06 min
 Lab File: BF081676.D
 Acq: 17 Sep 2015 13:17

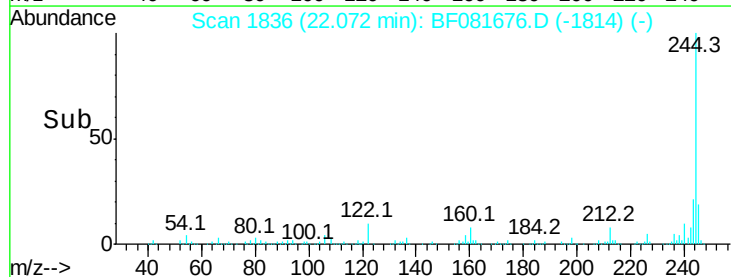
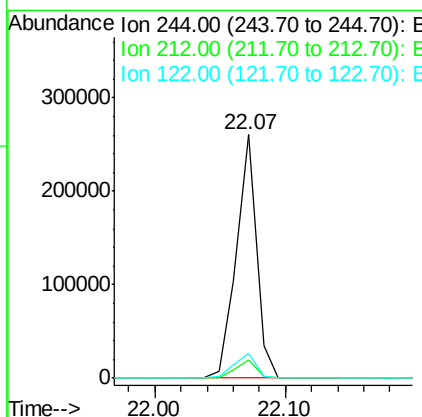
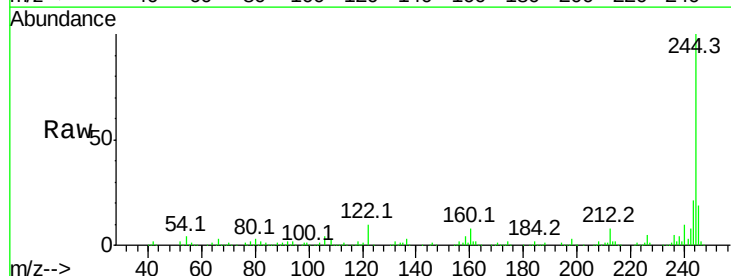
Instrument :
 BNA_F
 ClientSampleId :
 WC-91415-WATER

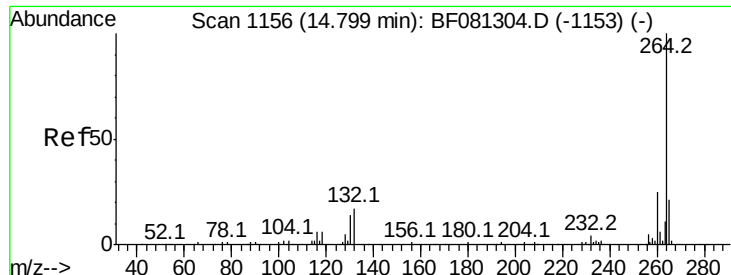
Tgt Ion:202 Resp: 57949
 Ion Ratio Lower Upper
 202 100
 200 19.3 15.0 22.4
 203 18.2 14.1 21.1



#78
Terphenyl-d14
 Concen: 48.70 ng
 RT: 22.07 min Scan# 1836
 Delta R.T. -0.04 min
 Lab File: BF081676.D
 Acq: 17 Sep 2015 13:17

Tgt Ion:244 Resp: 280045
 Ion Ratio Lower Upper
 244 100
 212 7.6 4.3 6.5#
 122 10.2 17.4 26.2#





#86
Perylene-d12
Concen: 20.00 ng
RT: 24.78 min Scan# 2073
Delta R.T. -0.03 min
Lab File: BF081676.D
Acq: 17 Sep 2015 13:17

Instrument :
BNA_F
ClientSampleId :
WC-91415-WATER

Tgt Ion: 264 Resp: 90801
Ion Ratio Lower Upper
264 100
260 24.6 16.7 25.1
265 21.8 17.2 25.8

