

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091715\
 Data File : BF081683.D
 Acq On : 17 Sep 2015 17:39
 Operator : UM/IZ
 Sample : G3669-01DL 20X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-91415-WATERDL

Quant Time: Sep 18 00:52:53 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	20002	20.00	ng	-0.04
21) Naphthalene-d8	11.06	136	81948	20.00	ng	-0.06
38) Acenaphthene-d10	15.19	164	38863	20.00	ng	-0.07
63) Phenanthrene-d10	18.70	188	80872	20.00	ng	-0.06
75) Chrysene-d12	23.35	240	66074	20.00	ng	-0.03
86) Perylene-d12	24.78	264	46439	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	7.73	99	208	0.12	ng	0.08
23) Nitrobenzene-d5	9.49	82	8832	5.20	ng	-0.04
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	13.71	172	17710	5.84	ng	-0.07
78) Terphenyl-d14	22.07	244	14257	5.02	ng	-0.04

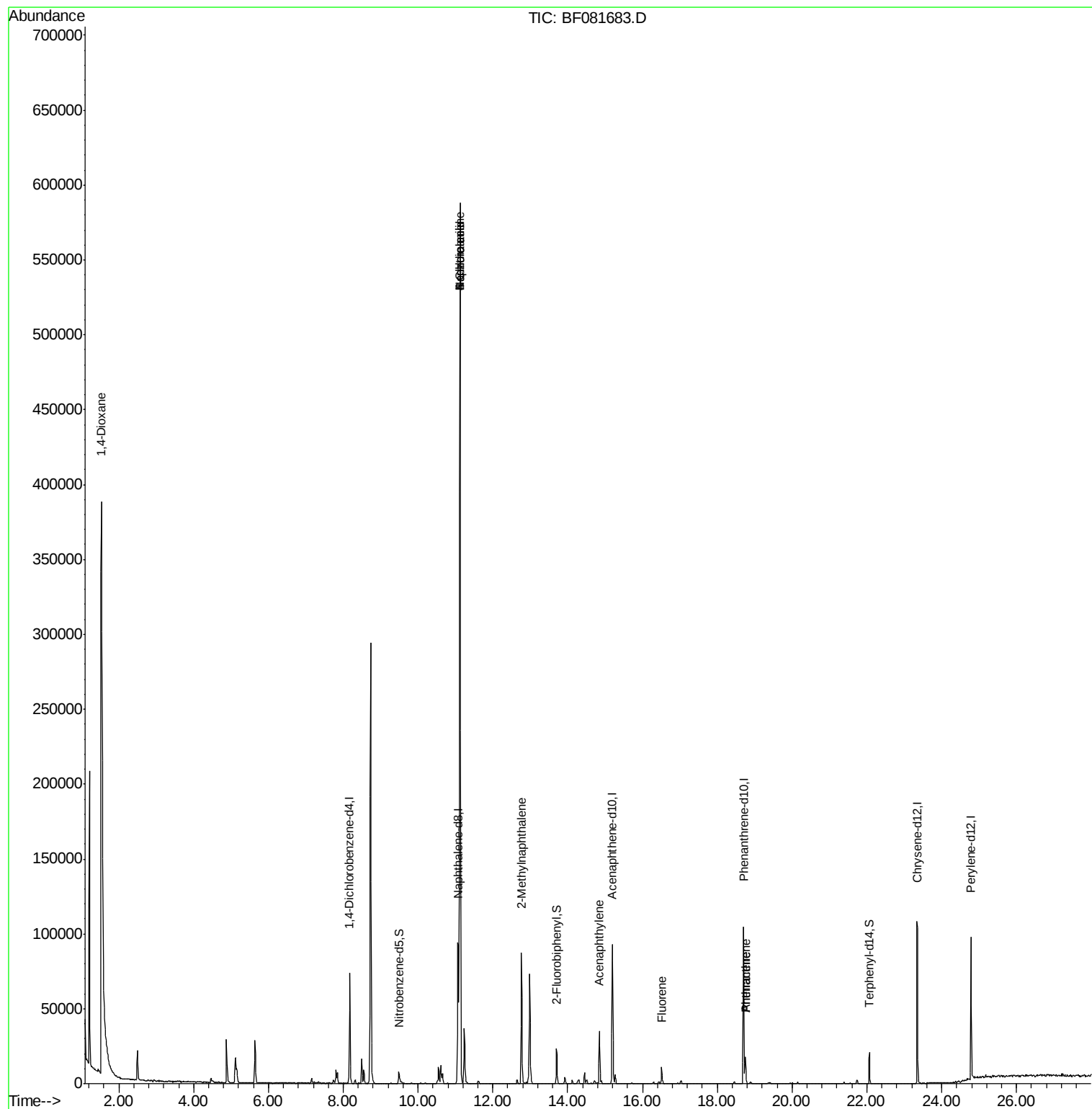
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.53	88	24475	42.27	ng	# 14
31) Naphthalene	11.12	128	455204	104.16	ng	99
32) Benzoic acid	11.12	122	815	3.36	ng	# 1
33) 4-Chloroaniline	11.12	127	58754	32.96	ng	# 36
37) 2-Methylnaphthalene	12.77	142	41939	14.75	ng	# 88
48) Acenaphthylene	14.85	152	31521	6.88	ng	97
57) Fluorene	16.52	166	9118	3.16	ng	98
70) Phenanthrene	18.76	178	17337	3.86	ng	98
71) Anthracene	18.76	178	17337	3.75	ng	98

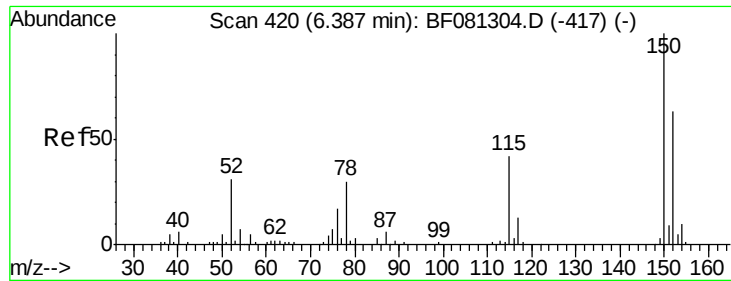
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF081683.D

Acq: 17 Sep 2015 17:39

Instrument :

BNA_F

ClientSampleId :

WC-91415-WATERDL

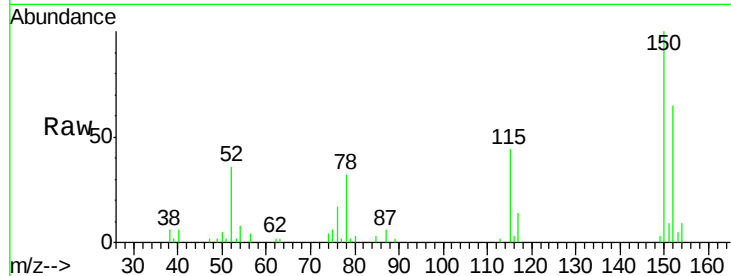
Tgt Ion:152 Resp: 20002

Ion Ratio Lower Upper

152 100

150 154.7 124.7 187.1

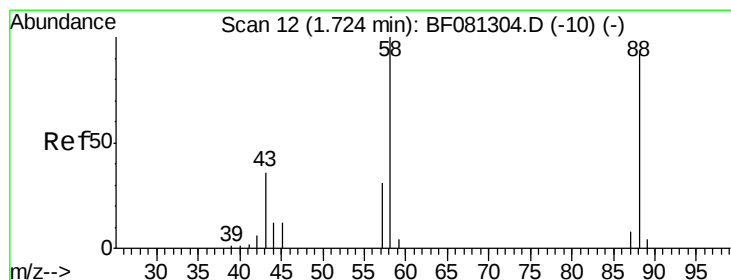
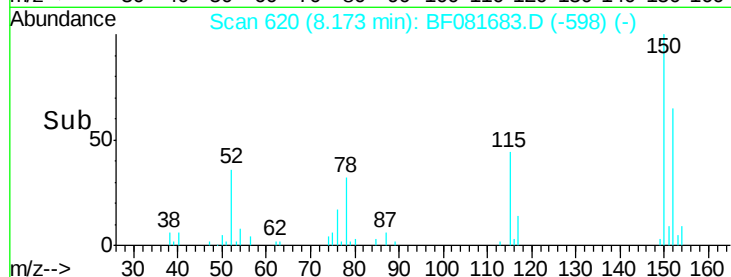
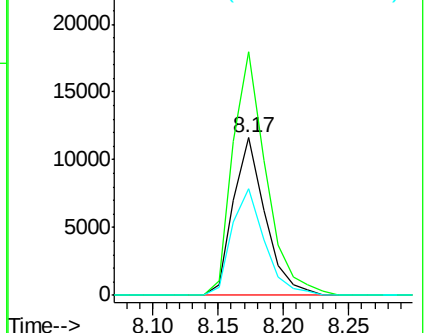
115 68.0 39.0 58.4#



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



#2

1,4-Dioxane

Concen: 42.27 ng

RT: 1.53 min Scan# 39

Delta R.T. -0.03 min

Lab File: BF081683.D

Acq: 17 Sep 2015 17:39

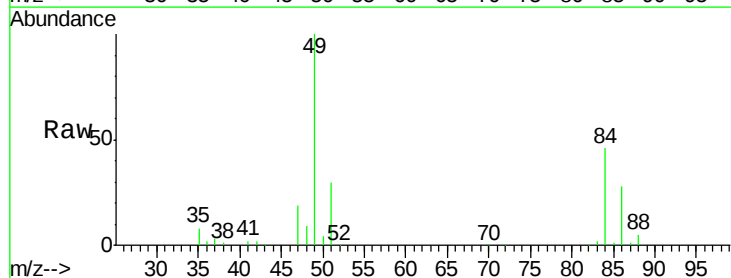
Tgt Ion: 88 Resp: 24475

Ion Ratio Lower Upper

88 100

58 0.0 77.7 116.5#

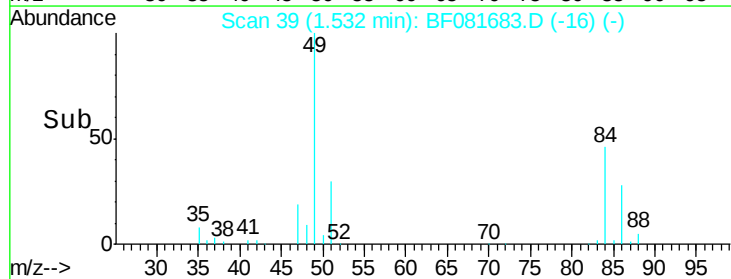
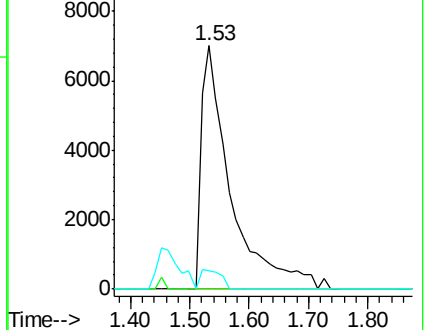
43 5.5 26.6 40.0#

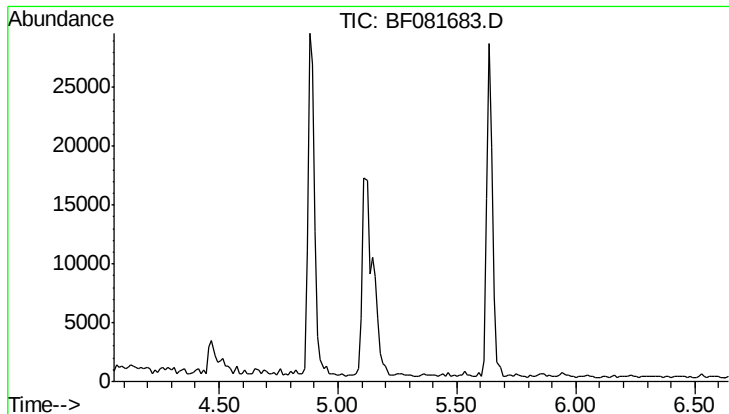


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

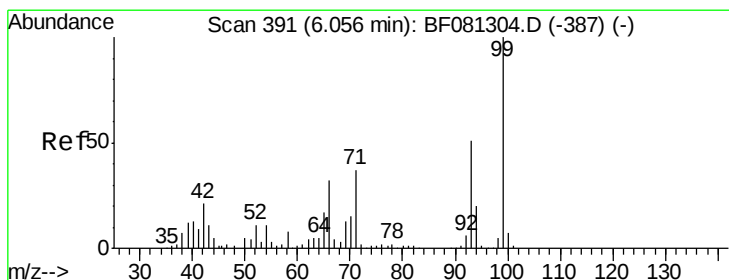
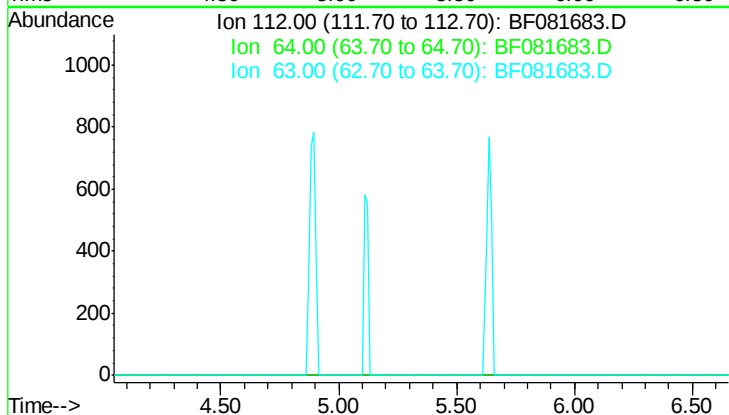




#5
 2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 5.35 min
 Lab File: BF081683.D
 Acq: 17 Sep 2015 17:39

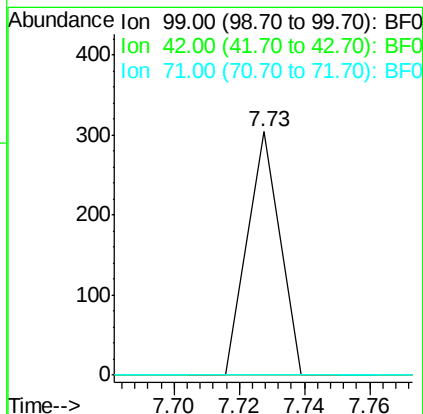
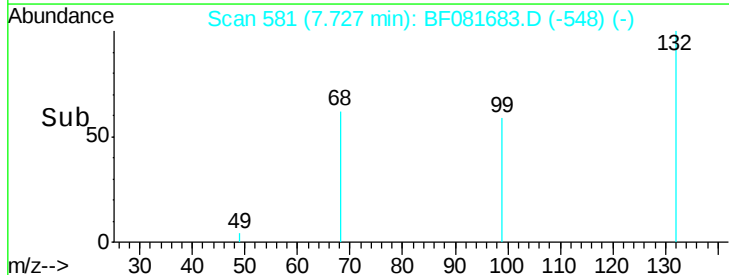
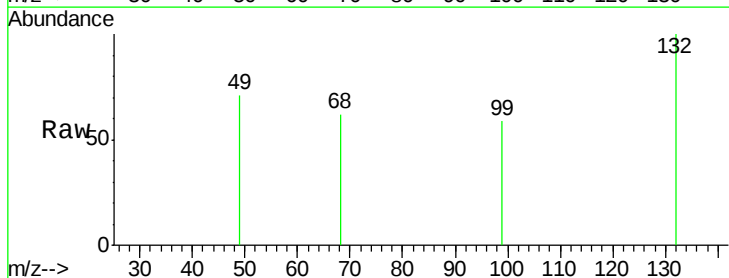
Instrument :
 BNA_F
 ClientSampleId :
 WC-91415-WATERDL

Tgt Ion: 112
 Sig Exp Ratio
 112 100
 64 49.6
 63 21.7



#7
 Phenol-d6
 Concen: 0.12 ng
 RT: 7.73 min Scan# 581
 Delta R.T. 0.08 min
 Lab File: BF081683.D
 Acq: 17 Sep 2015 17:39

Tgt Ion: 99 Resp: 208
 Ion Ratio Lower Upper
 99 100
 42 0.0 13.7 20.5#
 71 0.0 14.2 21.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.06 min Scan# 873

Delta R.T. -0.06 min

Lab File: BF081683.D

Acq: 17 Sep 2015 17:39

Instrument :

BNA_F

ClientSampleId :

WC-91415-WATERDL

Tgt Ion:136 Resp: 81948

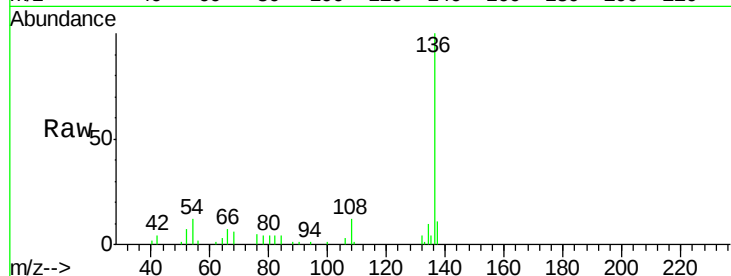
Ion Ratio Lower Upper

136 100

137 11.5 9.0 13.6

54 12.4 8.2 12.2#

68 5.6 5.8 8.6#

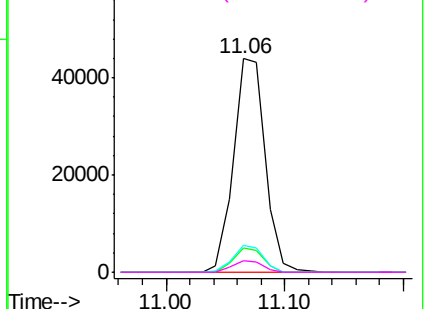
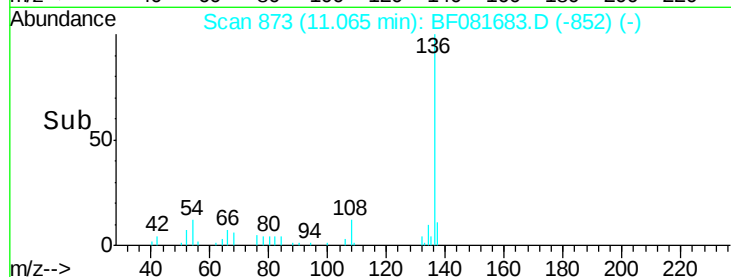


Abundance Ion 136.00 (135.70 to 136.70): E

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: 5.20 ng

RT: 9.49 min Scan# 735

Delta R.T. -0.04 min

Lab File: BF081683.D

Acq: 17 Sep 2015 17:39

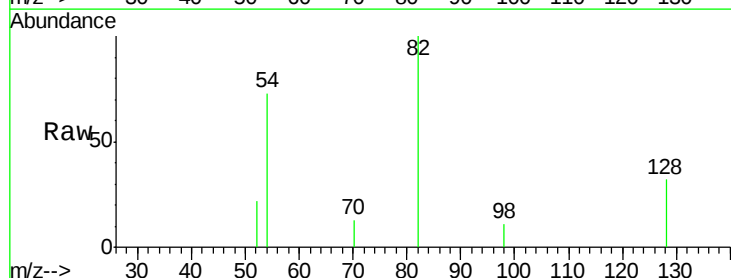
Tgt Ion: 82 Resp: 8832

Ion Ratio Lower Upper

82 100

128 31.8 51.0 76.6#

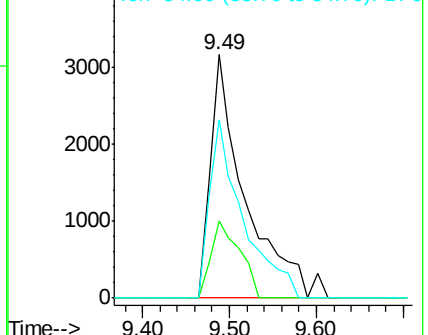
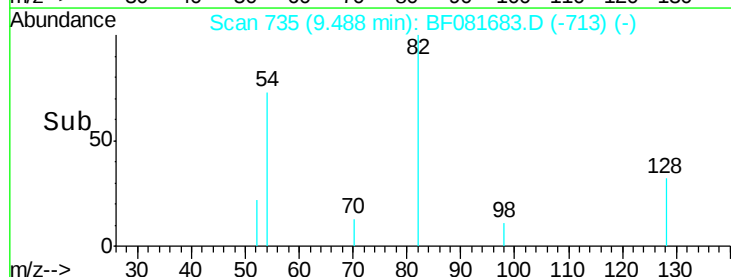
54 73.5 47.5 71.3#

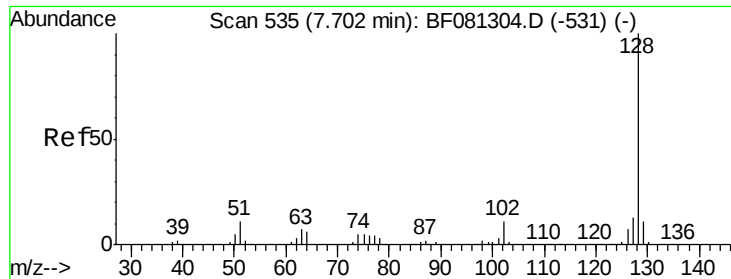


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

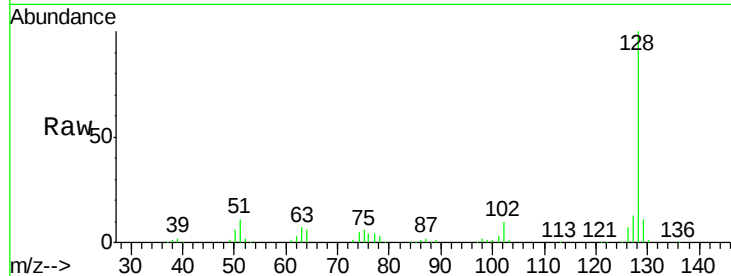




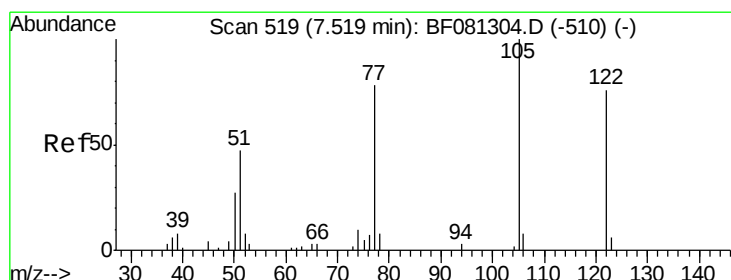
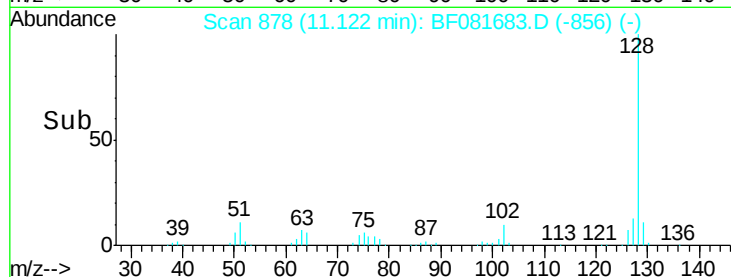
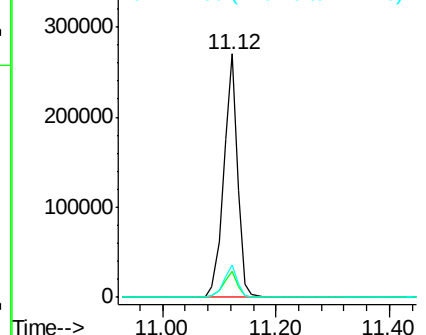
#31
Naphthalene
Concen: 104.16 ng
RT: 11.12 min Scan# 878
Delta R.T. -0.04 min
Lab File: BF081683.D
Acq: 17 Sep 2015 17:39

Instrument :
BNA_F
ClientSampleId :
WC-91415-WATERDL

Tgt Ion:128 Resp: 455204
Ion Ratio Lower Upper
128 100
129 10.7 8.4 12.6
127 13.2 9.9 14.9

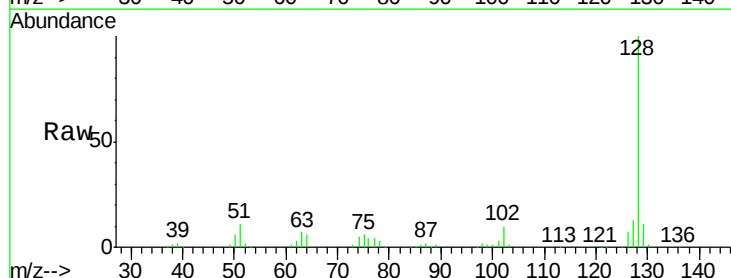


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

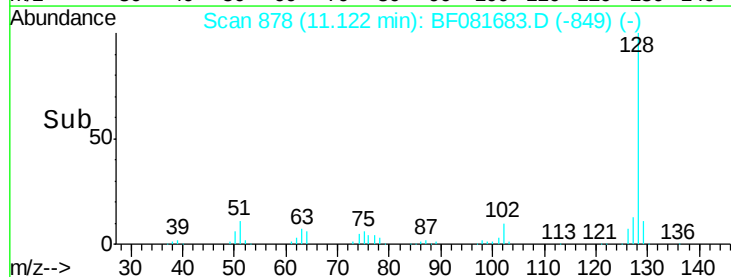
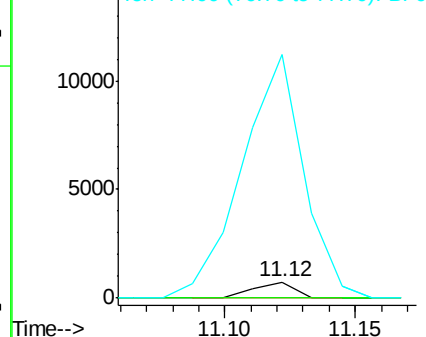


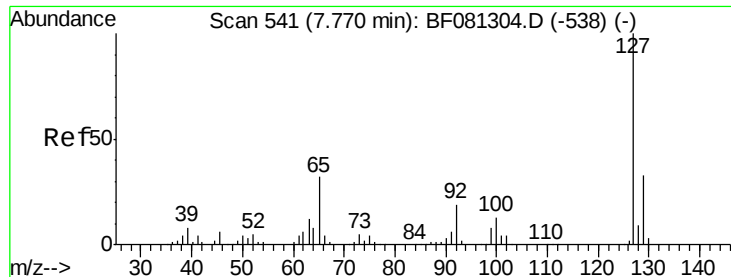
#32
Benzoic acid
Concen: 3.36 ng
RT: 11.12 min Scan# 878
Delta R.T. 0.04 min
Lab File: BF081683.D
Acq: 17 Sep 2015 17:39

Tgt Ion:122 Resp: 815
Ion Ratio Lower Upper
122 100
105 0.0 76.1 116.1#
77 1540.0 40.5 80.5#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

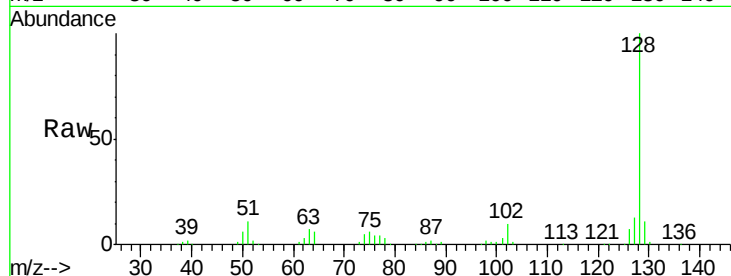




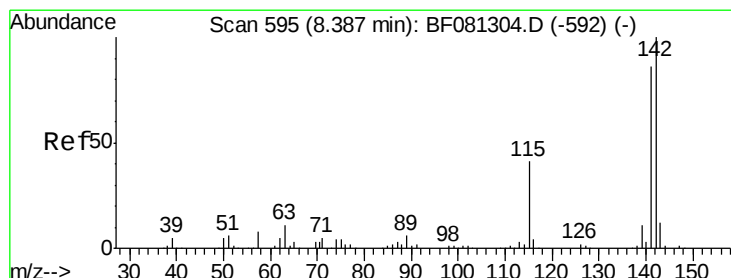
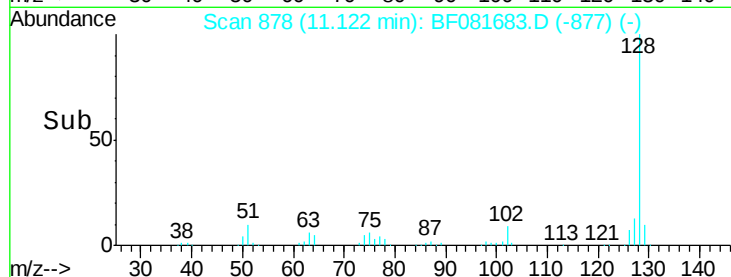
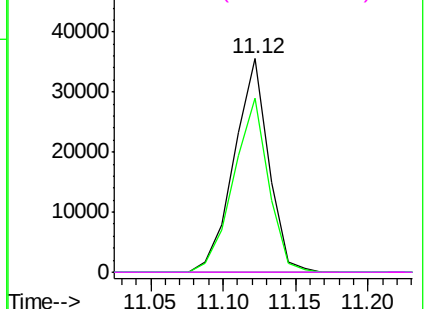
#33
 4-Chloroaniline
 Concen: 32.96 ng
 RT: 11.12 min Scan# 878
 Delta R.T. -0.28 min
 Lab File: BF081683.D
 Acq: 17 Sep 2015 17:39

Instrument :
 BNA_F
 ClientSampleId :
 WC-91415-WATERDL

Tgt Ion:127 Resp: 58754
 Ion Ratio Lower Upper
 127 100
 129 81.3 25.8 38.6#
 65 0.0 17.9 26.9#
 92 0.0 10.5 15.7#

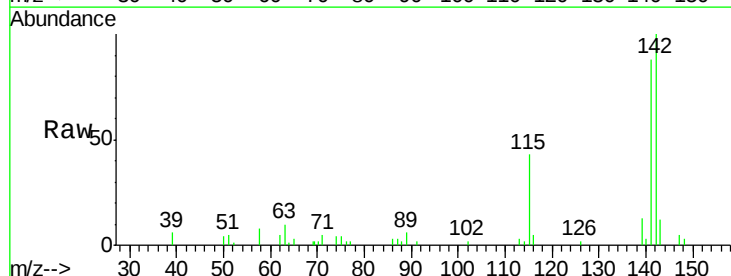


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0

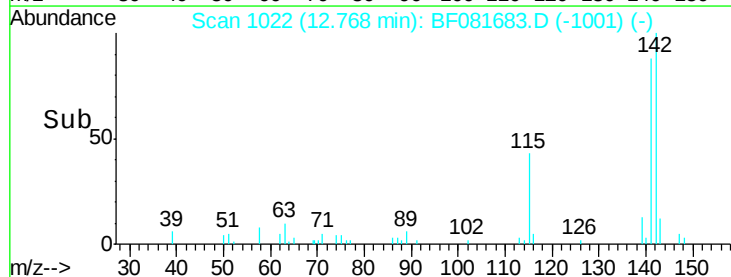
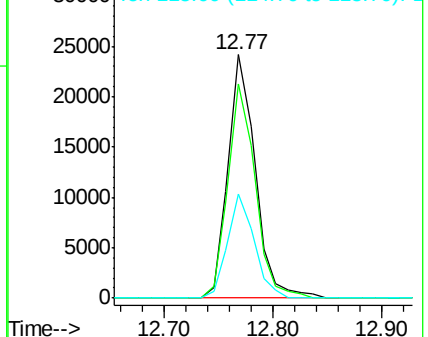


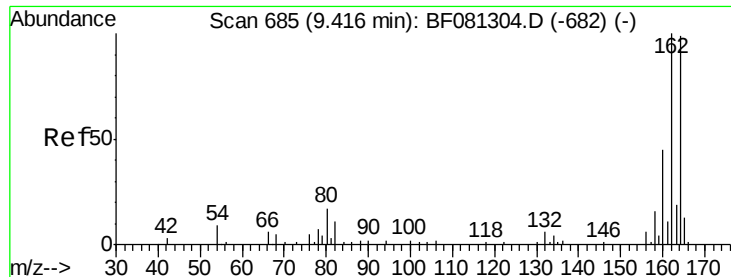
#37
 2-Methylnaphthalene
 Concen: 14.75 ng
 RT: 12.77 min Scan# 1022
 Delta R.T. -0.06 min
 Lab File: BF081683.D
 Acq: 17 Sep 2015 17:39

Tgt Ion:142 Resp: 41939
 Ion Ratio Lower Upper
 142 100
 141 88.2 67.5 101.3
 115 42.5 18.2 27.2#



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: 15.19 min Scan# 1234

Delta R.T. -0.07 min

Lab File: BF081683.D

Acq: 17 Sep 2015 17:39

Instrument :

BNA_F

ClientSampleId :

WC-91415-WATERDL

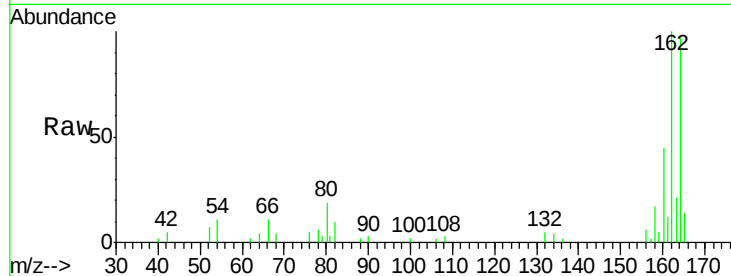
Tgt Ion:164 Resp: 38863

Ion Ratio Lower Upper

164 100

162 102.7 75.2 112.8

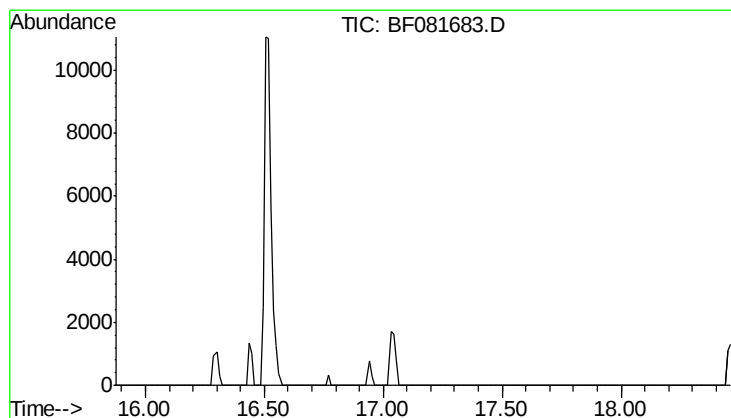
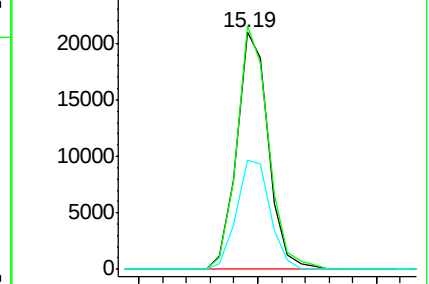
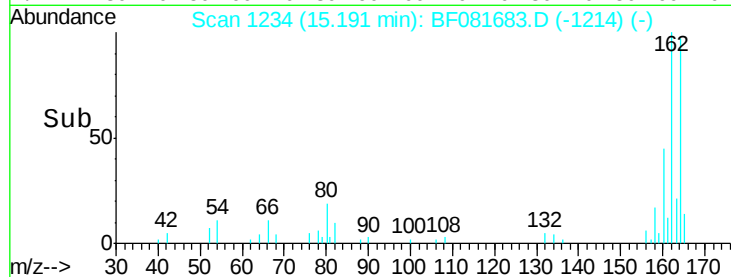
160 46.1 31.5 47.3



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: 0.00 ng

Expected RT: 17.17 min

Lab File: BF081683.D

Acq: 17 Sep 2015 17:39

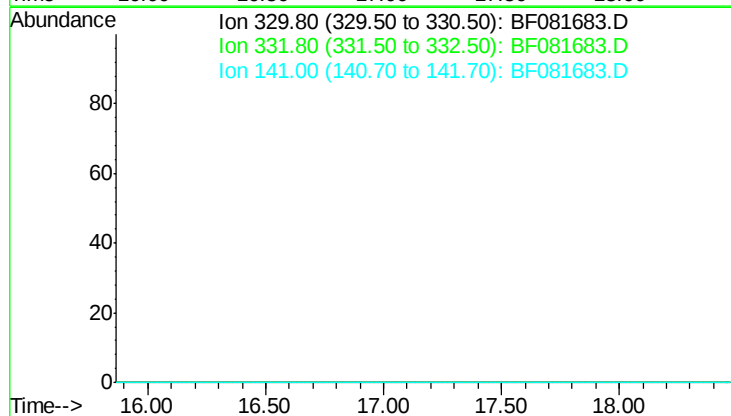
Tgt Ion: 330

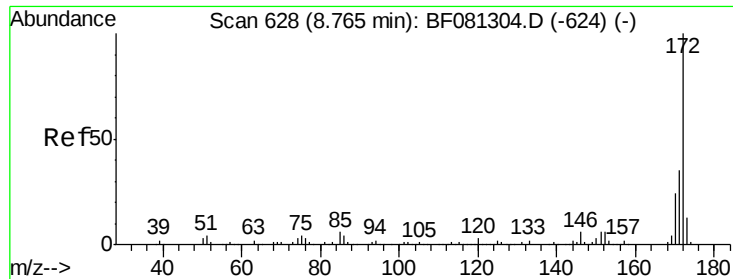
Sig Exp Ratio

330 100

332 95.7

141 37.1

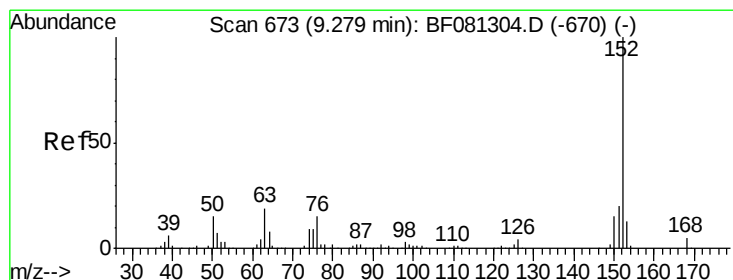
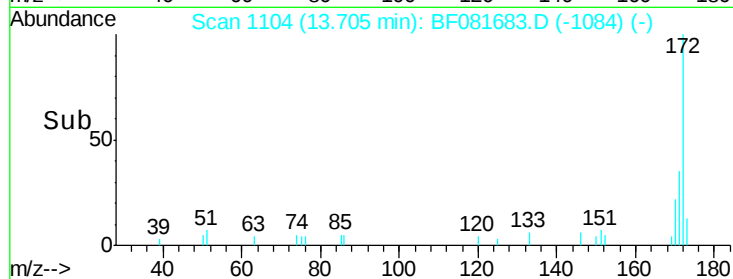
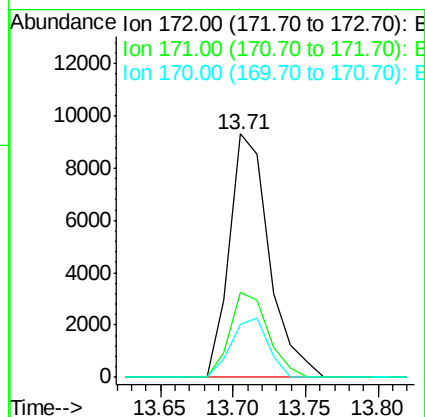
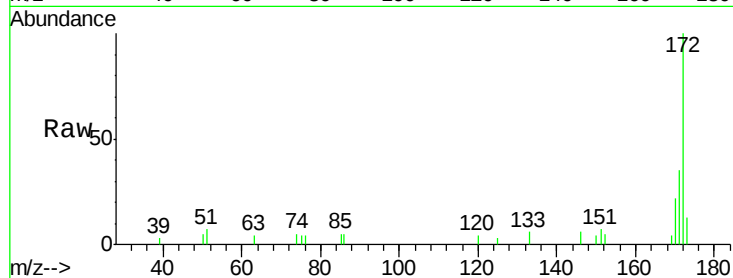




#44
 2-Fluorobiphenyl
 Concen: 5.84 ng
 RT: 13.71 min Scan# 1104
 Delta R.T. -0.07 min
 Lab File: BF081683.D
 Acq: 17 Sep 2015 17:39

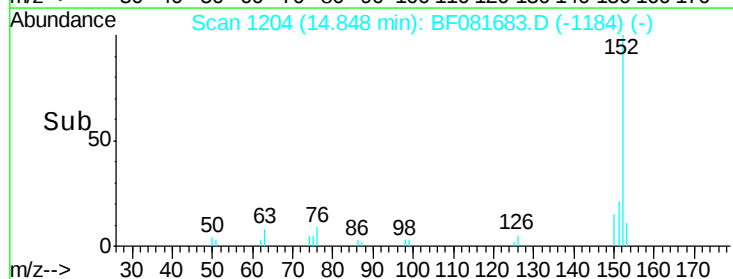
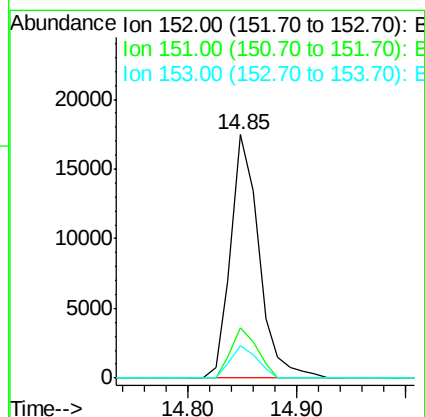
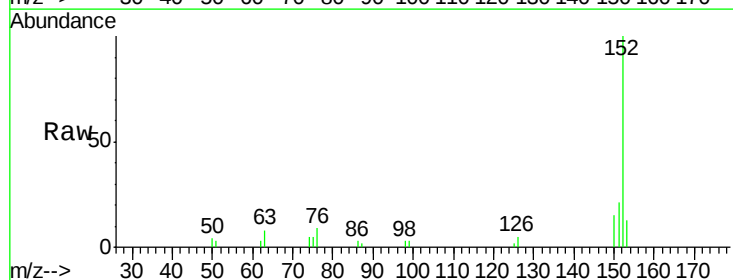
Instrument :
 BNA_F
 ClientSampleId :
 WC-91415-WATERDL

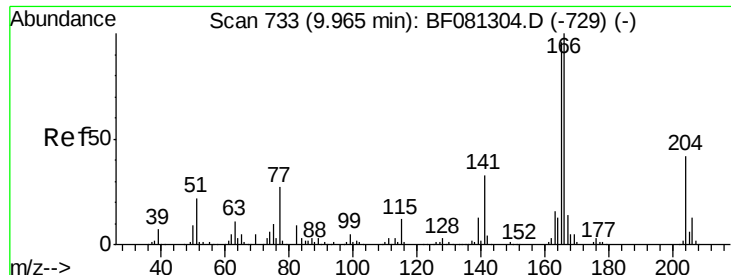
Tgt Ion:172 Resp: 17710
 Ion Ratio Lower Upper
 172 100
 171 34.7 26.1 39.1
 170 21.7 17.4 26.2



#48
 Acenaphthylene
 Concen: 6.88 ng
 RT: 14.85 min Scan# 1204
 Delta R.T. -0.07 min
 Lab File: BF081683.D
 Acq: 17 Sep 2015 17:39

Tgt Ion:152 Resp: 31521
 Ion Ratio Lower Upper
 152 100
 151 20.6 14.6 22.0
 153 13.1 10.3 15.5





#57

Fluorene

Concen: 3.16 ng

RT: 16.52 min Scan# 1350

Delta R.T. -0.06 min

Lab File: BF081683.D

Acq: 17 Sep 2015 17:39

Instrument :

BNA_F

ClientSampleId :

WC-91415-WATERDL

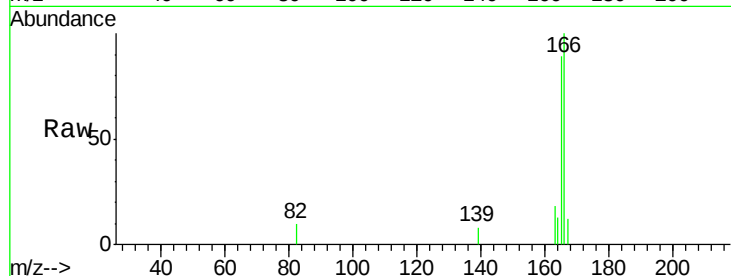
Tgt Ion:166 Resp: 9118

Ion Ratio Lower Upper

166 100

165 89.0 72.6 109.0

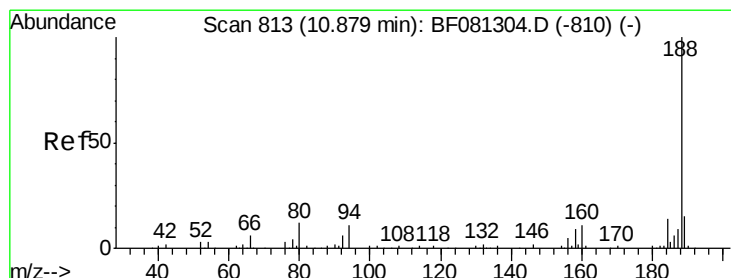
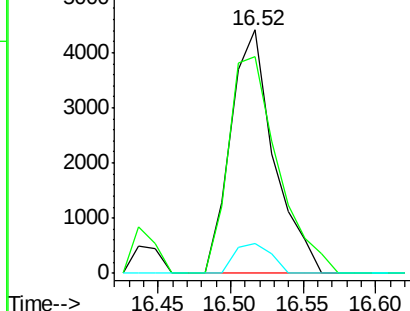
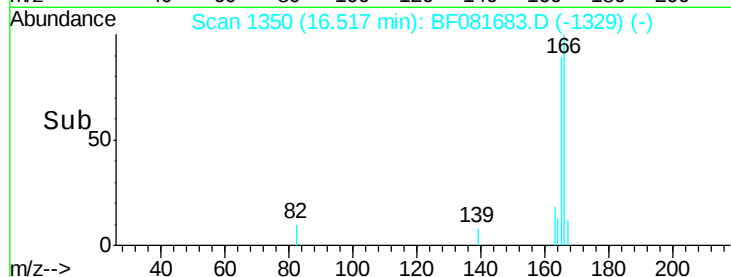
167 12.5 10.6 16.0



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: BF081683.D

Acq: 17 Sep 2015 17:39

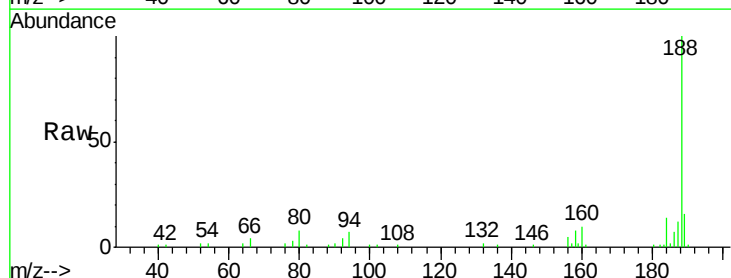
Tgt Ion:188 Resp: 80872

Ion Ratio Lower Upper

188 100

94 7.1 11.1 16.7#

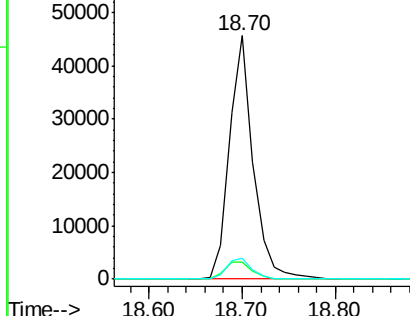
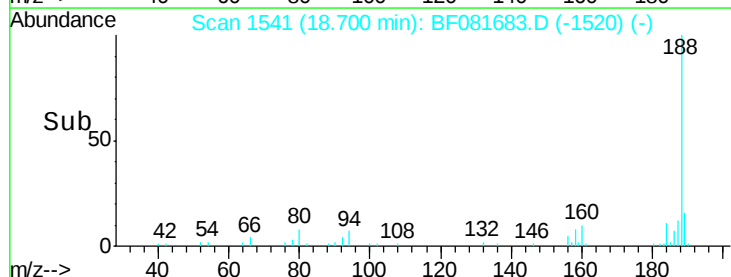
80 8.5 11.0 16.4#

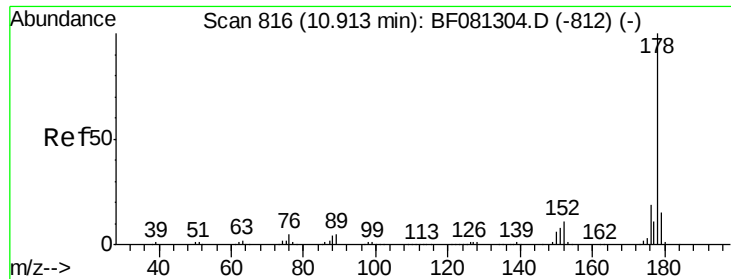


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

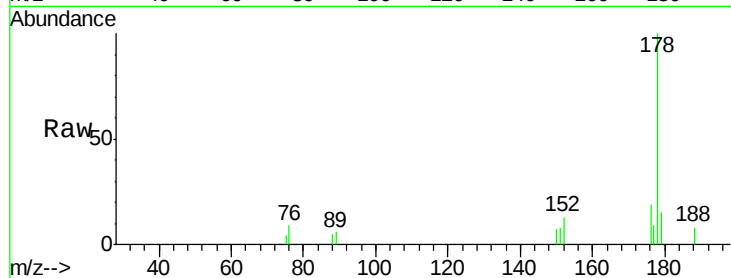




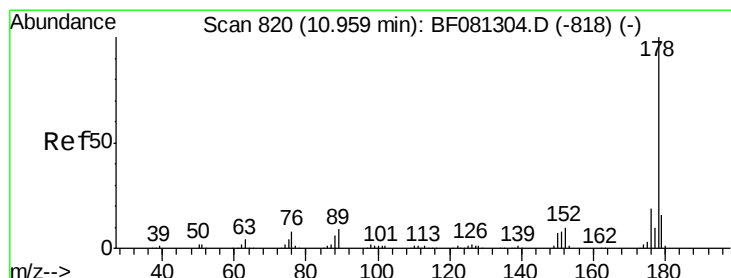
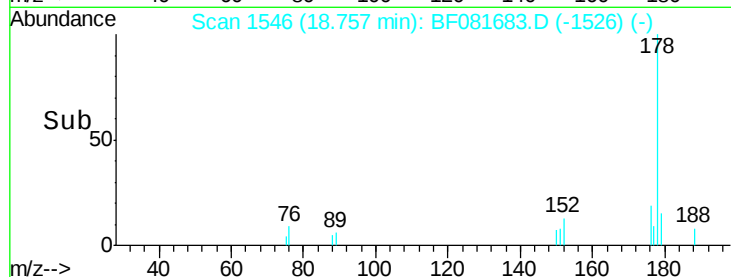
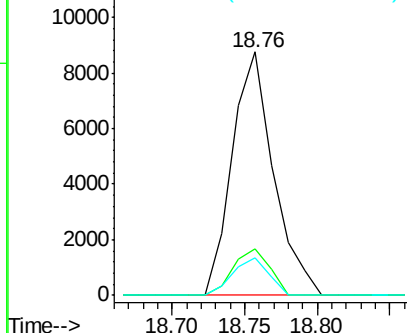
#70
Phenanthrene
Concen: 3.86 ng
RT: 18.76 min Scan# 1546
Delta R.T. -0.07 min
Lab File: BF081683.D
Acq: 17 Sep 2015 17:39

Instrument :
BNA_F
ClientSampleId :
WC-91415-WATERDL

Tgt Ion:178 Resp: 17337
Ion Ratio Lower Upper
178 100
176 19.0 13.8 20.8
179 15.4 12.2 18.2

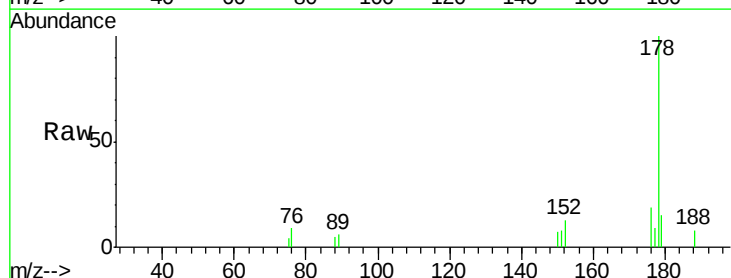


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

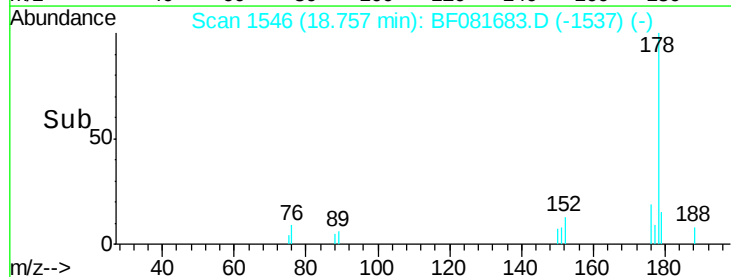
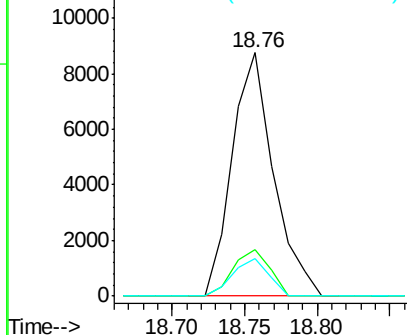


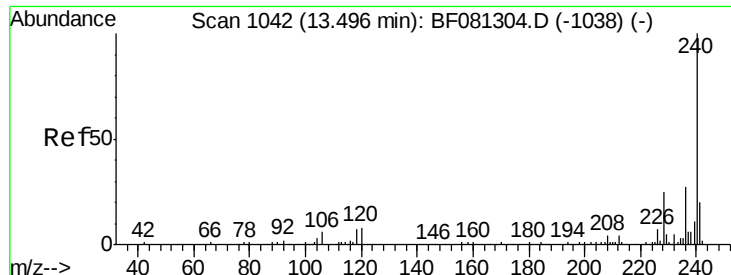
#71
Anthracene
Concen: 3.75 ng
RT: 18.76 min Scan# 1546
Delta R.T. -0.19 min
Lab File: BF081683.D
Acq: 17 Sep 2015 17:39

Tgt Ion:178 Resp: 17337
Ion Ratio Lower Upper
178 100
176 19.0 14.1 21.1
179 15.4 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

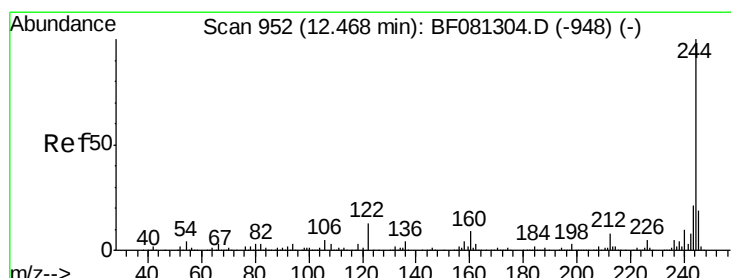
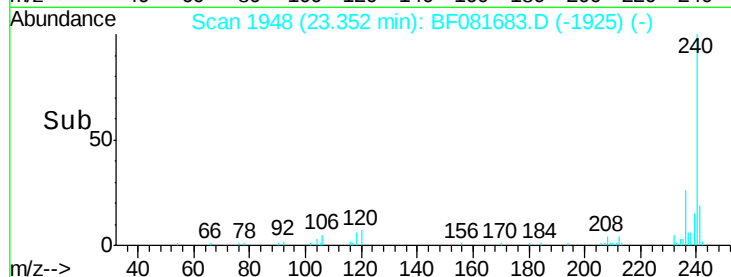
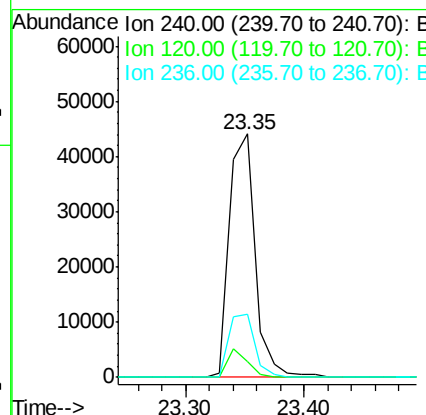
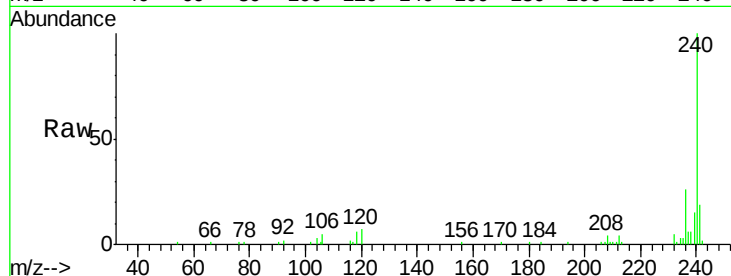




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 23.35 min Scan# 1948
 Delta R.T. -0.03 min
 Lab File: BF081683.D
 Acq: 17 Sep 2015 17:39

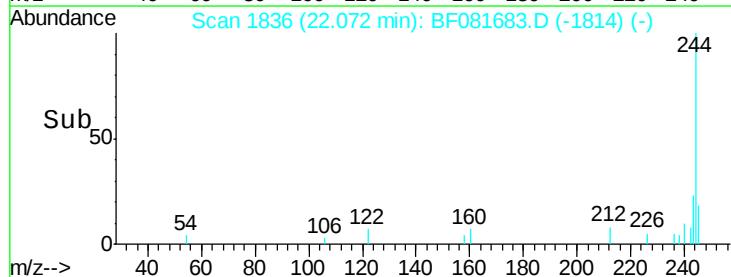
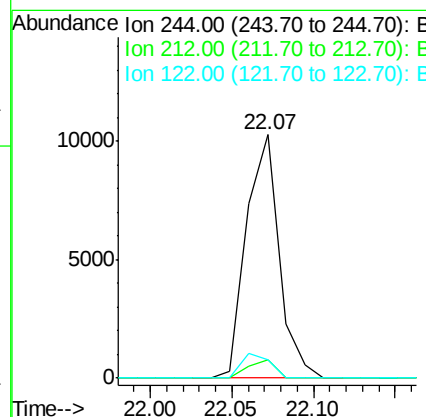
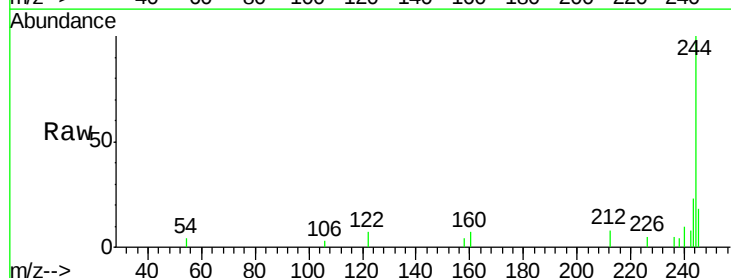
Instrument :
 BNA_F
 ClientSampleId :
 WC-91415-WATERDL

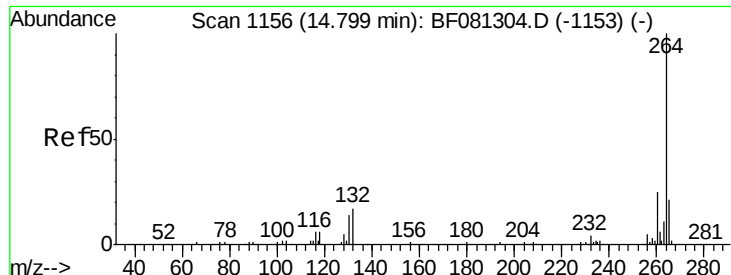
Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.7	16.2	24.2#
236	26.1	18.4	27.6



#78
 Terphenyl-d14
 Concen: 5.02 ng
 RT: 22.07 min Scan# 1836
 Delta R.T. -0.04 min
 Lab File: BF081683.D
 Acq: 17 Sep 2015 17:39

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	4.3	6.5#
122	7.4	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: BF081683.D
Acq: 17 Sep 2015 17:39

Instrument :
BNA_F
ClientSampleId :
WC-91415-WATERDL

Tgt Ion: 264 Resp: 46439
Ion Ratio Lower Upper
264 100
260 23.0 16.7 25.1
265 22.6 17.2 25.8

