

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
 Data File : BF091881.D
 Acq On : 22 Dec 2016 13:02
 Operator : UM/SJ
 Sample : H6200-07
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-WATER-COMP

Quant Time: Dec 23 01:28:13 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

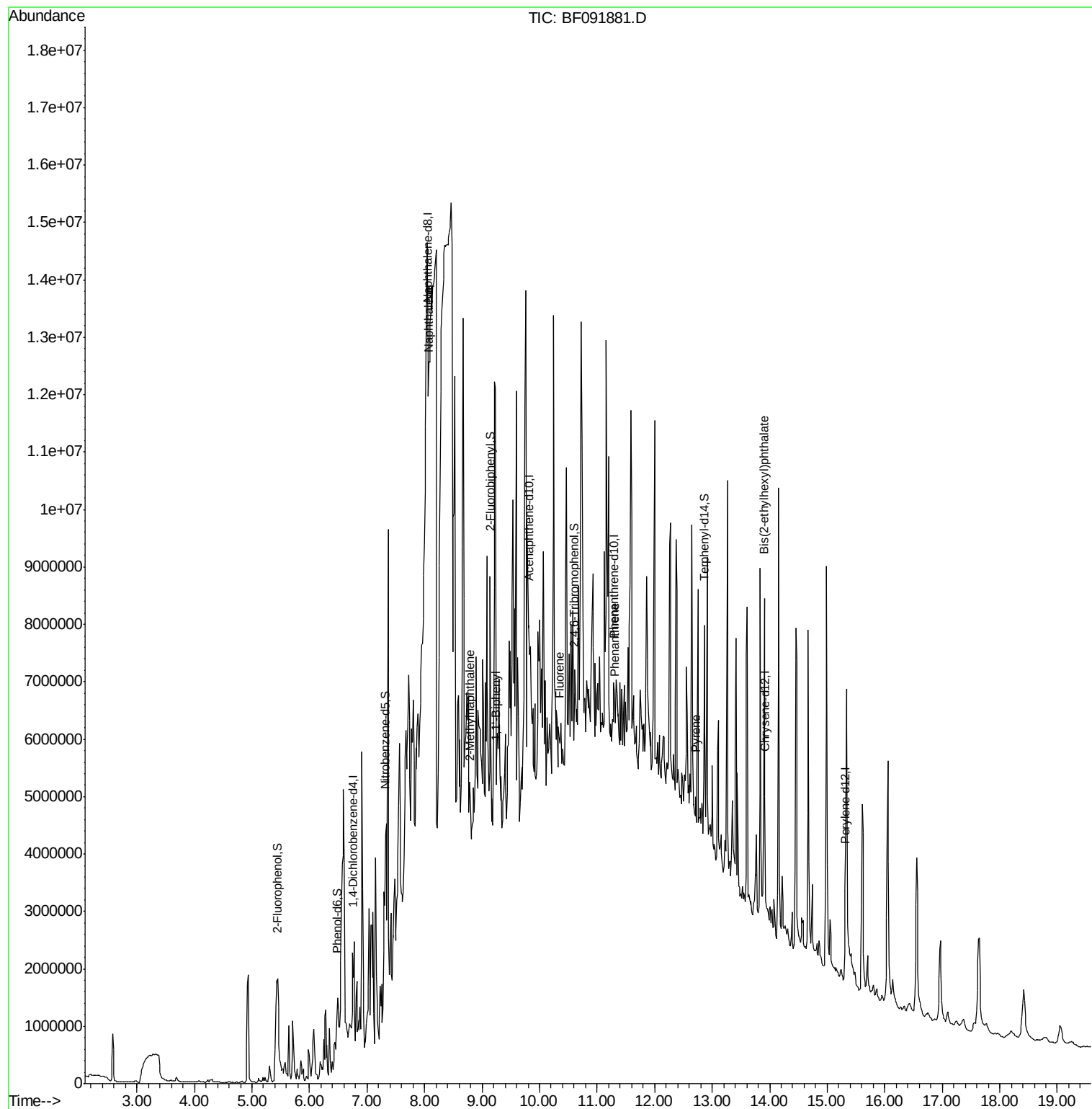
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	280129	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	522731	20.00	ng	0.01
38) Acenaphthene-d10	9.81	164	376440	20.00	ng	0.02
63) Phenanthrene-d10	11.29	188	637619	20.00	ng	0.02
75) Chrysene-d12	13.92	240	480066	20.00	ng	0.01
86) Perylene-d12	15.31	264	576223	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	2292720	136.66	ng	0.10
7) Phenol-d6	6.49	99	1369399	66.86	ng	0.08
23) Nitrobenzene-d5	7.32	82	1858669	197.72	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	407822	130.91	ng	0.02
44) 2-Fluorobiphenyl	9.14	172	2257325	129.64	ng	0.02
78) Terphenyl-d14	12.87	244	1692875	85.52	ng	0.01
Target Compounds						
31) Naphthalene	8.06	128	384352	16.07	ng	# 78
37) 2-Methylnaphthalene	8.80	142	697070	50.14	ng	99
45) 1,1'-Biphenyl	9.24	154	190483	7.39	ng	99
57) Fluorene	10.35	166	59574	2.85	ng	# 57
70) Phenanthrene	11.31	178	94880	2.74	ng	# 66
77) Pyrene	12.72	202	76494	2.17	ng	# 91
83) Bis(2-ethylhexyl)phthalate	13.91	149	1440337	76.35	ng	# 97

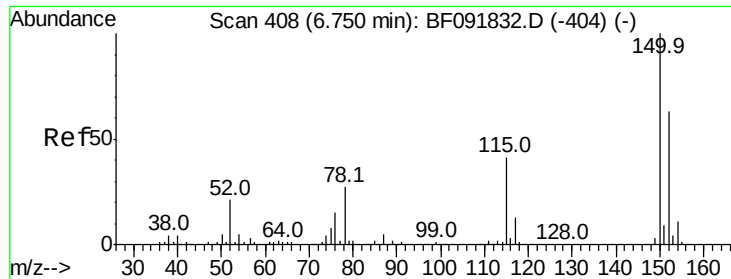
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF091881.D

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ClientSampleId :

WASTE-WATER-COMP

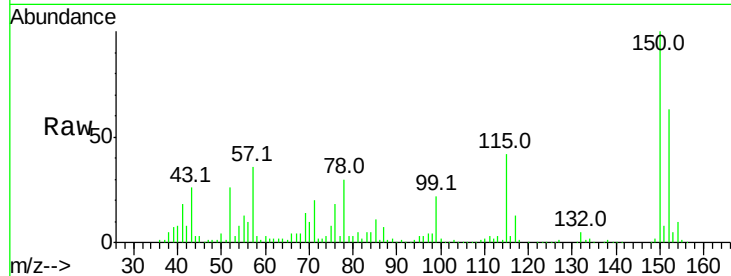
Tot Ion:152 Resp: 280129

Ion Ratio Lower Upper

152 100

150 159.8 124.9 187.3

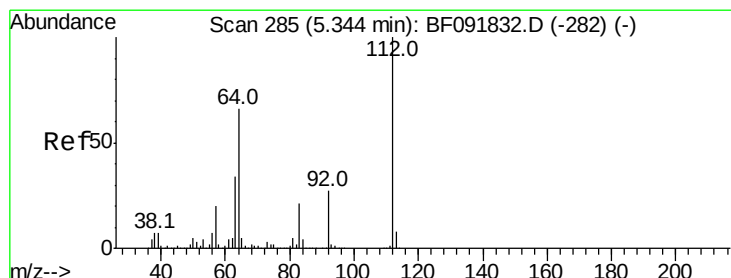
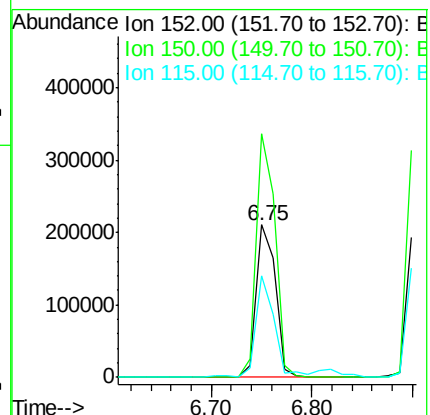
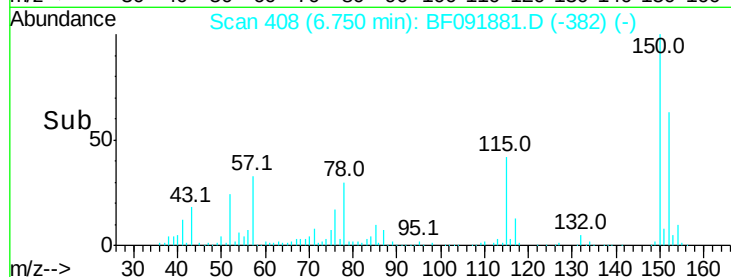
115 66.6 46.0 69.0



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: 136.66 ng

RT: 5.45 min Scan# 294

Delta R.T. 0.10 min

Lab File: BF091881.D

Acq: 22 Dec 2016 13:02

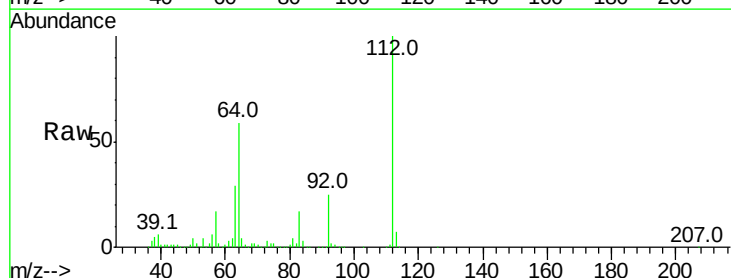
Tgt Ion:112 Resp: 2292720

Ion Ratio Lower Upper

112 100

64 58.6 46.1 69.1

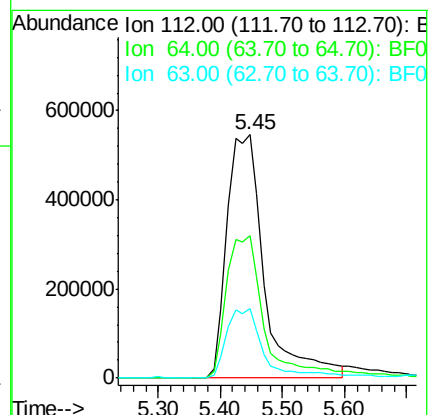
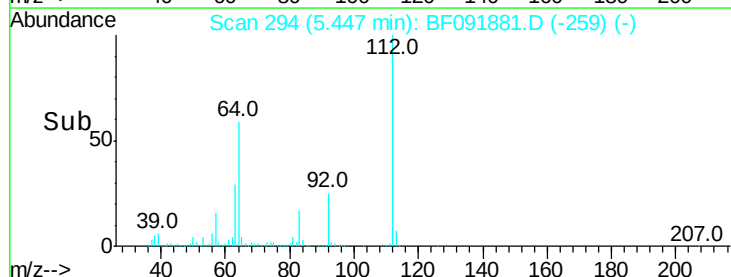
63 28.7 23.8 35.6

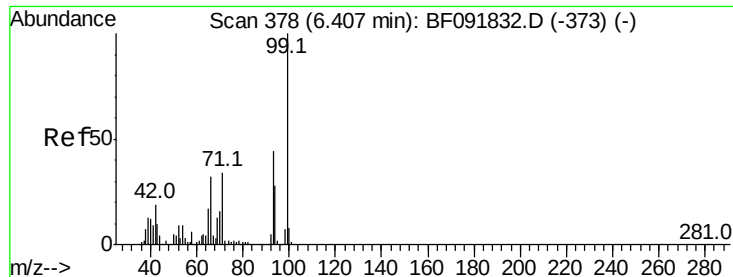


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 66.86 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.08 min

Lab File: BF091881.D

Acq: 22 Dec 2016 13:02

Instrument :

BNA_F

ClientSampleId :

WASTE-WATER-COMP

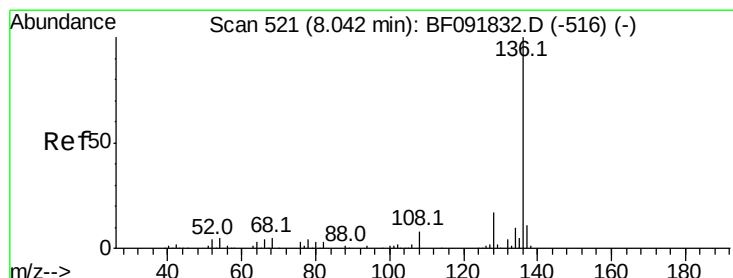
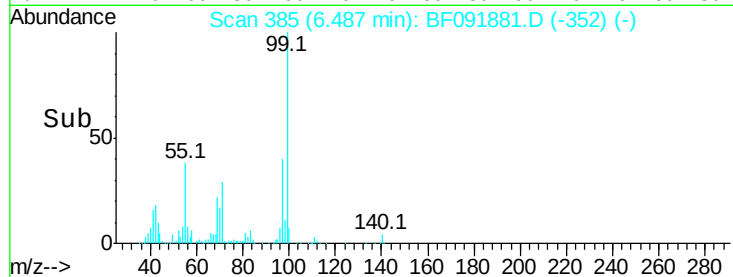
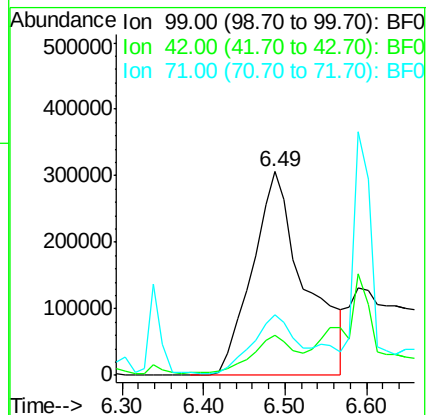
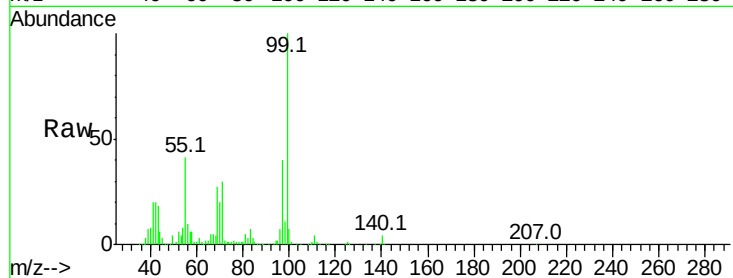
Tot Ion: 99 Resp: 1369399

Ion Ratio Lower Upper

99 100

42 19.8 15.6 23.4

71 29.8 27.5 41.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

Delta R.T. 0.01 min

Lab File: BF091881.D

Acq: 22 Dec 2016 13:02

Tgt Ion: 136 Resp: 522731

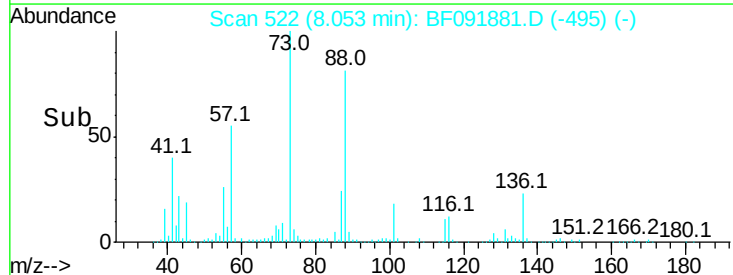
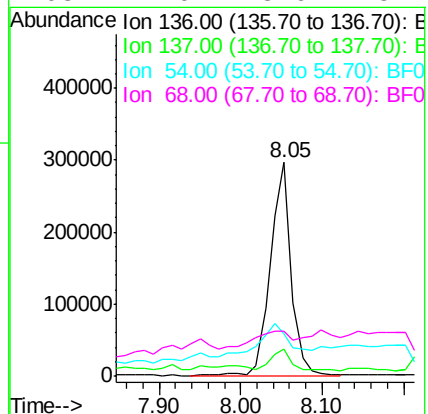
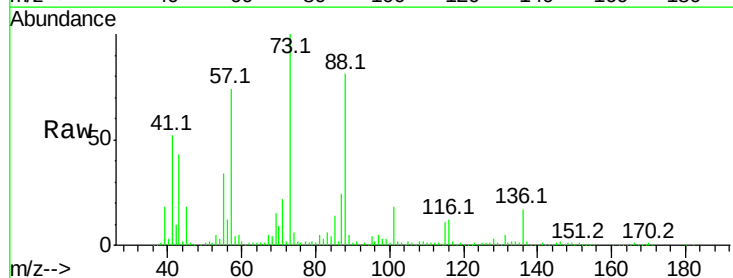
Ion Ratio Lower Upper

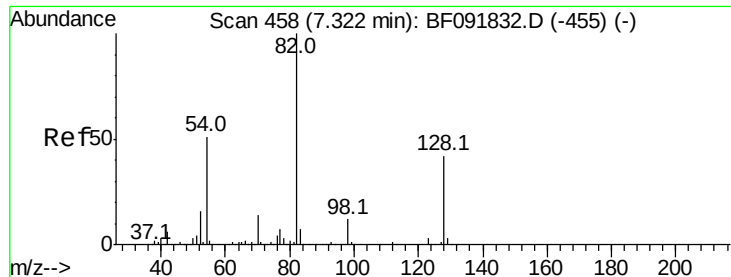
136 100

137 12.5 8.4 12.6

54 20.1 4.5 6.7#

68 21.0 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 197.72 ng

RT: 7.32 min Scan# 458

Delta R.T. -0.00 min

Lab File: BF091881.D

Acq: 22 Dec 2016 13:02

Instrument :

BNA_F

ClientSampleId :

WASTE-WATER-COMP

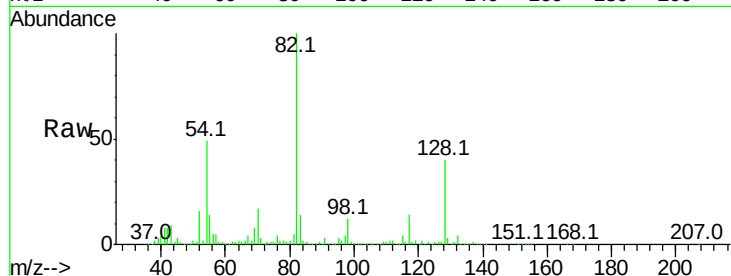
Tot Ion: 82 Resp: 1858669

Ion Ratio Lower Upper

82 100

128 40.4 34.6 52.0

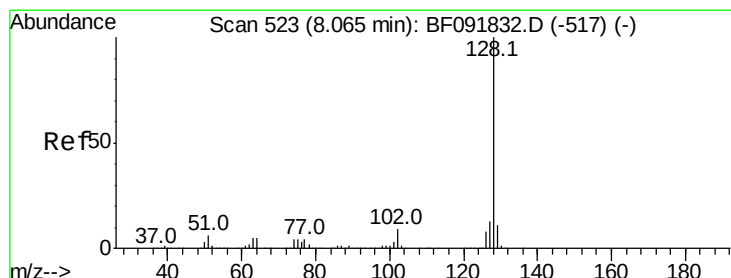
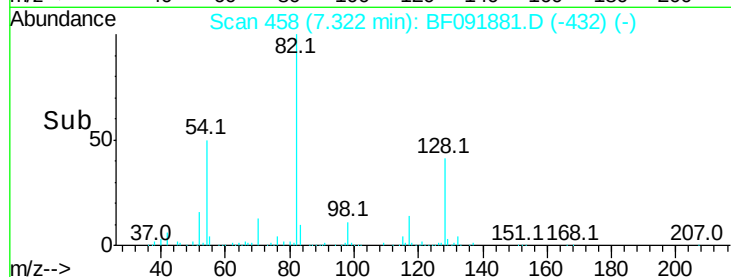
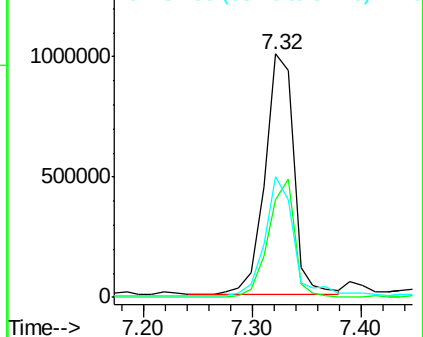
54 49.4 39.5 59.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#31

Naphthalene

Concen: 16.07 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.00 min

Lab File: BF091881.D

Acq: 22 Dec 2016 13:02

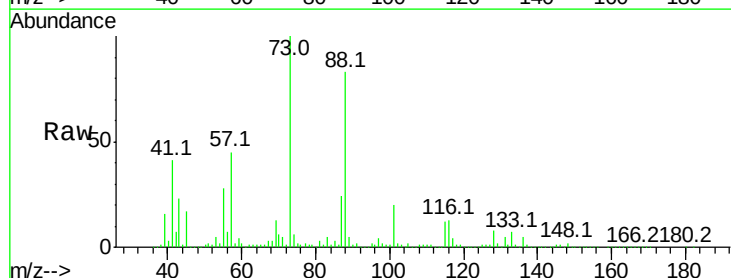
Tgt Ion: 128 Resp: 384352

Ion Ratio Lower Upper

128 100

129 25.6 9.5 14.3#

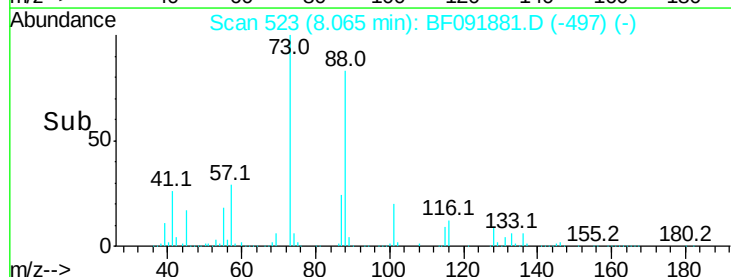
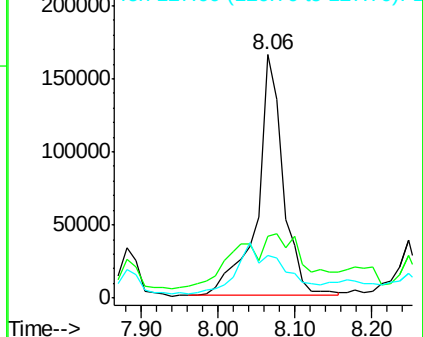
127 17.4 10.8 16.2#

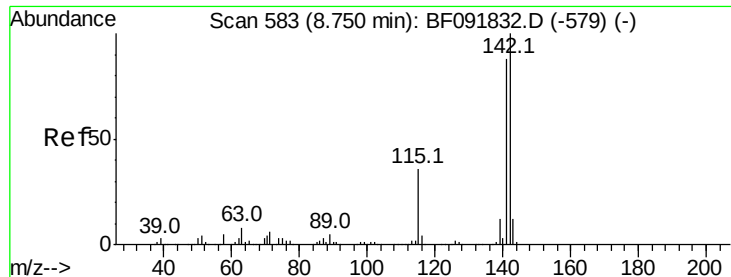


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

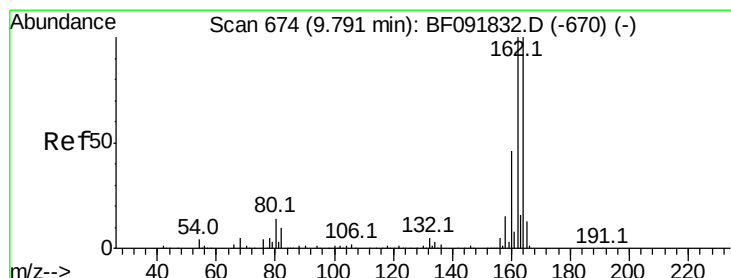
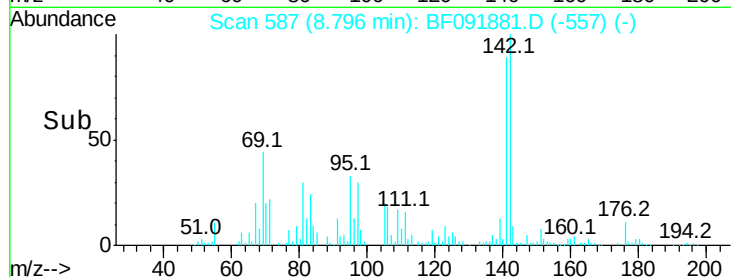
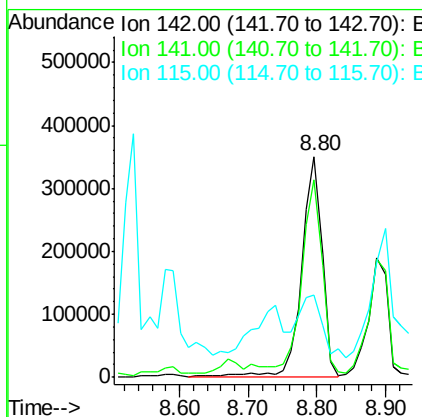
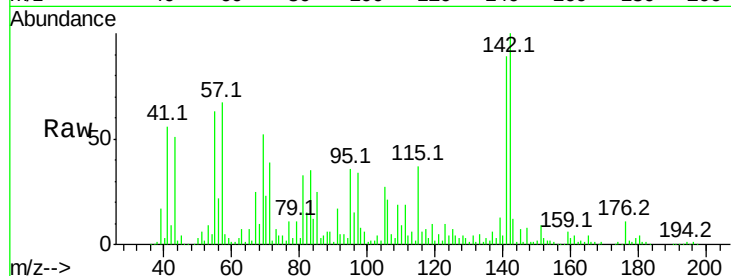




#37
2-Methylnaphthalene
Concen: 50.14 ng
RT: 8.80 min Scan# 587
Delta R.T. 0.05 min
Lab File: BF091881.D
Acq: 22 Dec 2016 13:02

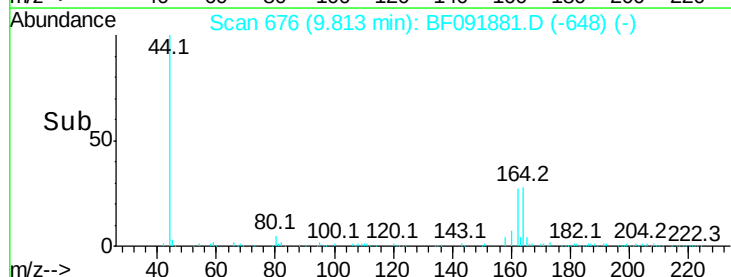
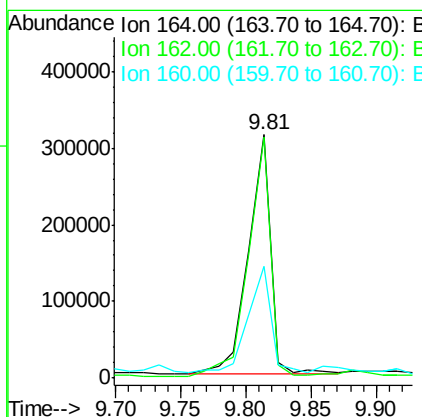
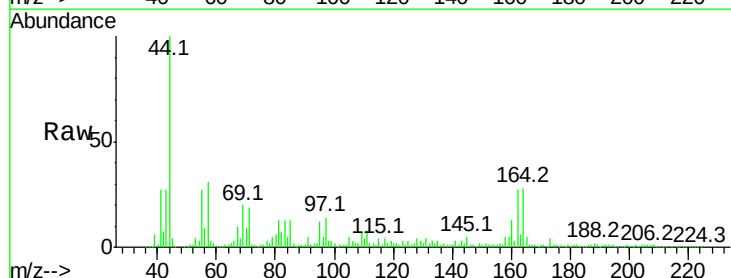
Instrument :
BNA_F
ClientSampleId :
WASTE-WATER-COMP

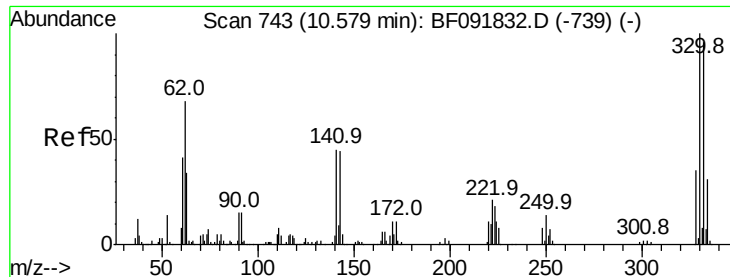
Tot Ion:142 Resp: 697070
Ion Ratio Lower Upper
142 100
141 89.2 71.0 106.6
115 37.3 28.3 42.5



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.81 min Scan# 676
Delta R.T. 0.02 min
Lab File: BF091881.D
Acq: 22 Dec 2016 13:02

Tgt Ion:164 Resp: 376440
Ion Ratio Lower Upper
164 100
162 98.8 80.2 120.2
160 45.9 36.9 55.3

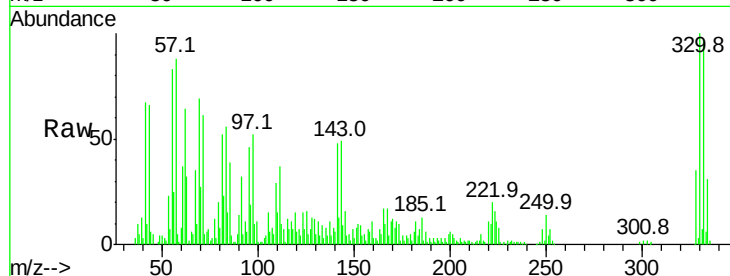




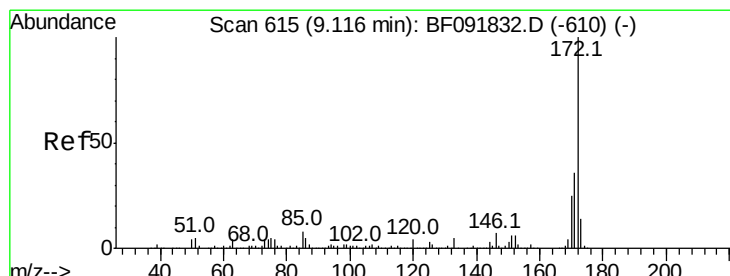
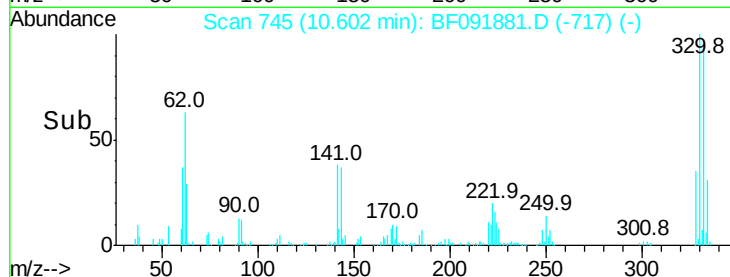
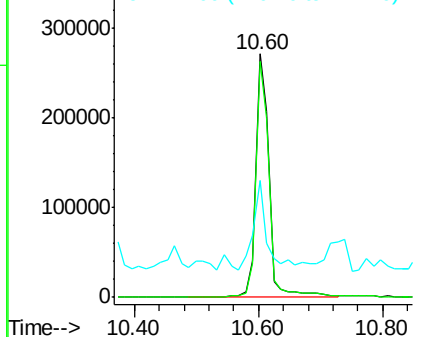
#41
 2,4,6-Tribromophenol
 Concen: 130.91 ng
 RT: 10.60 min Scan# 745
 Delta R.T. 0.02 min
 Lab File: BF091881.D
 Acq: 22 Dec 2016 13:02

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-WATER-COMP

Tot Ion:330 Resp: 407822
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.4 116.2
 141 41.6 34.1 51.1

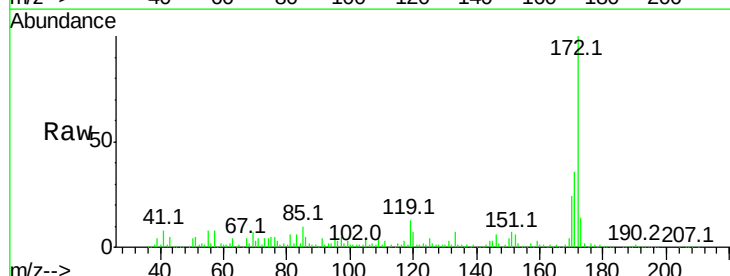


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

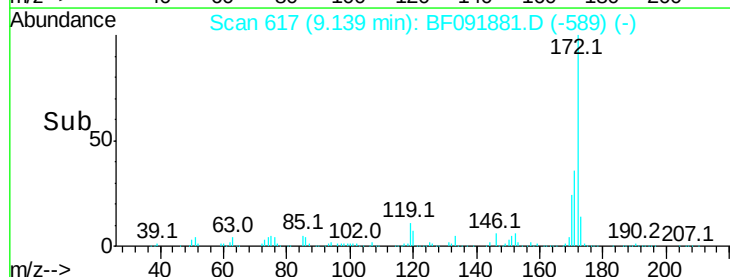
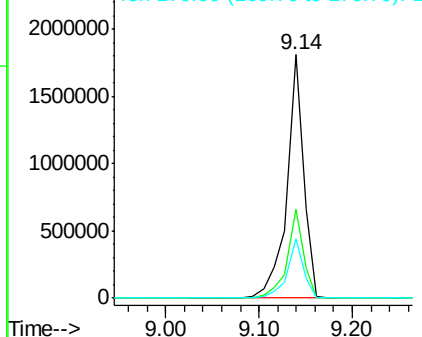


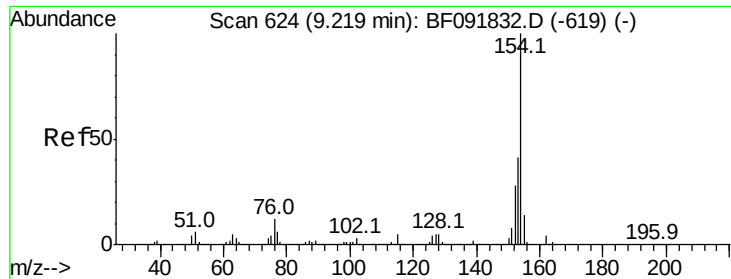
#44
 2-Fluorobiphenyl
 Concen: 129.64 ng
 RT: 9.14 min Scan# 617
 Delta R.T. 0.02 min
 Lab File: BF091881.D
 Acq: 22 Dec 2016 13:02

Tgt Ion:172 Resp: 2257325
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 24.4 20.2 30.4



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: 7.39 ng

RT: 9.24 min Scan# 626

Delta R.T. 0.02 min

Lab File: BF091881.D

Acq: 22 Dec 2016 13:02

Instrument :

BNA_F

ClientSampleId :

WASTE-WATER-COMP

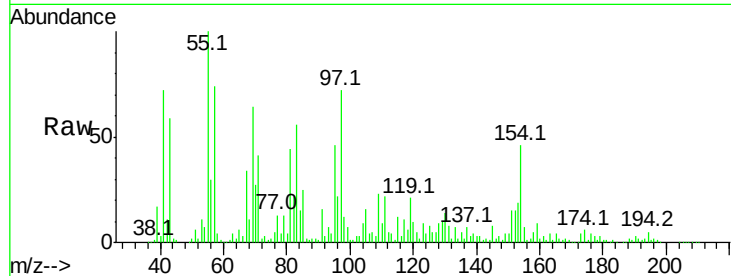
Tot Ion:154 Resp: 190483

Ion Ratio Lower Upper

154 100

153 40.3 20.9 60.9

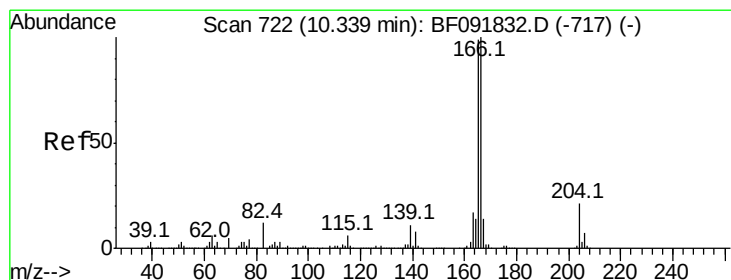
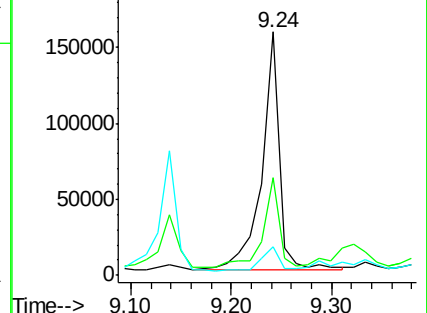
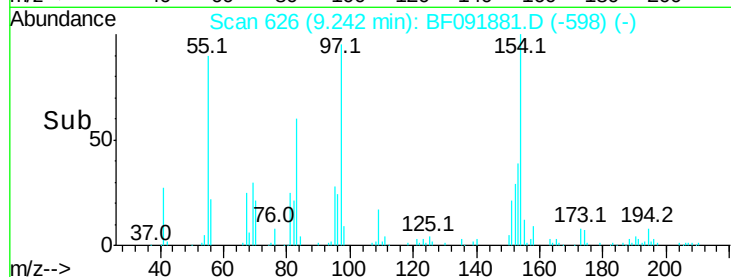
76 11.6 0.0 30.5



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



#57

Fluorene

Concen: 2.85 ng

RT: 10.35 min Scan# 723

Delta R.T. 0.01 min

Lab File: BF091881.D

Acq: 22 Dec 2016 13:02

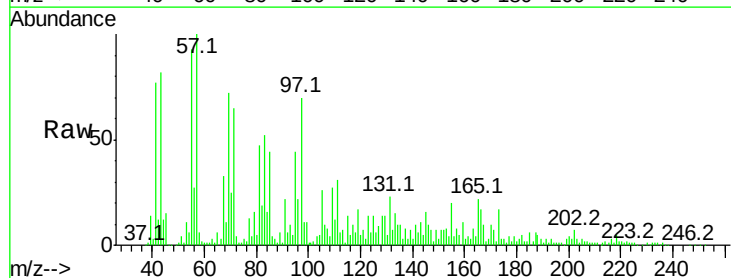
Tgt Ion:166 Resp: 59574

Ion Ratio Lower Upper

166 100

165 129.3 77.8 116.8#

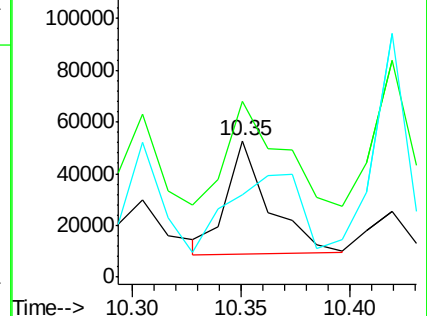
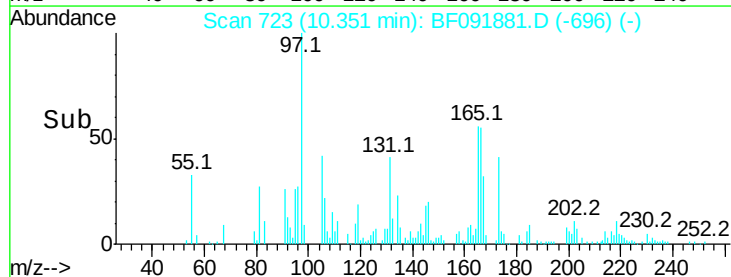
167 60.2 10.8 16.2#

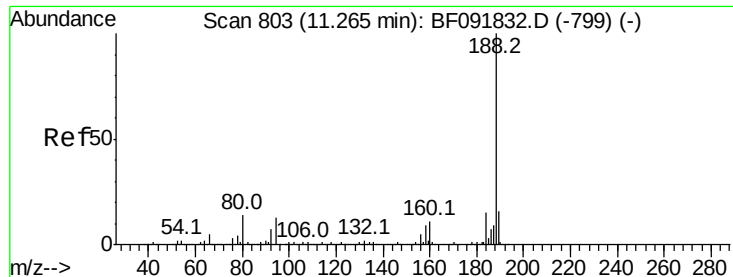


Abundance Ion 166.00 (165.70 to 166.70): E

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: 11.29 min Scan# 805

Delta R.T. 0.02 min

Lab File: BF091881.D

Acq: 22 Dec 2016 13:02

Instrument :

BNA_F

ClientSampleId :

WASTE-WATER-COMP

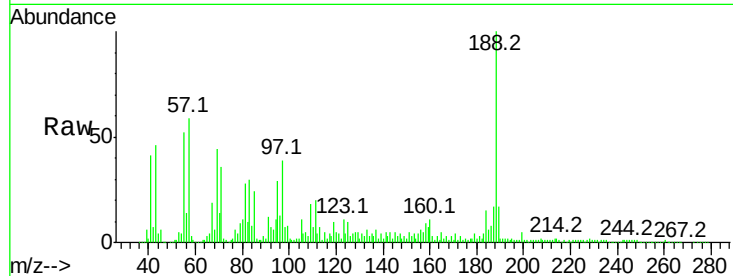
Tot Ion:188 Resp: 637619

Ion Ratio Lower Upper

188 100

94 10.8 10.0 15.0

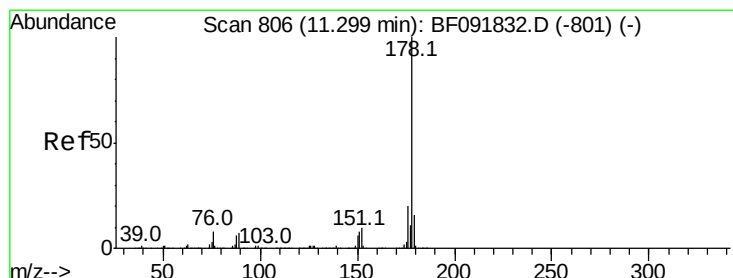
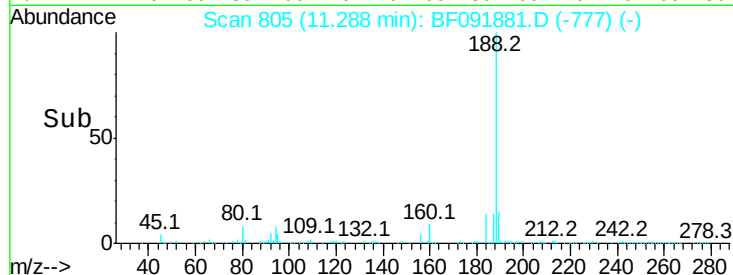
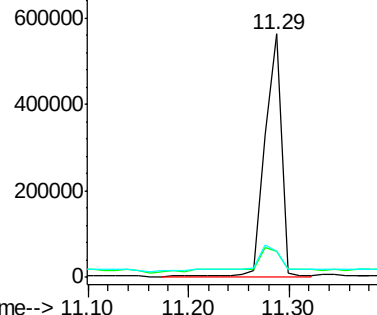
80 10.7 11.2 16.8#



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: 2.74 ng

RT: 11.31 min Scan# 807

Delta R.T. 0.01 min

Lab File: BF091881.D

Acq: 22 Dec 2016 13:02

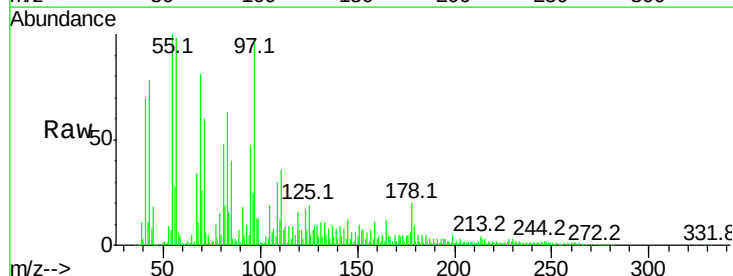
Tgt Ion:178 Resp: 94880

Ion Ratio Lower Upper

178 100

176 24.4 16.6 25.0

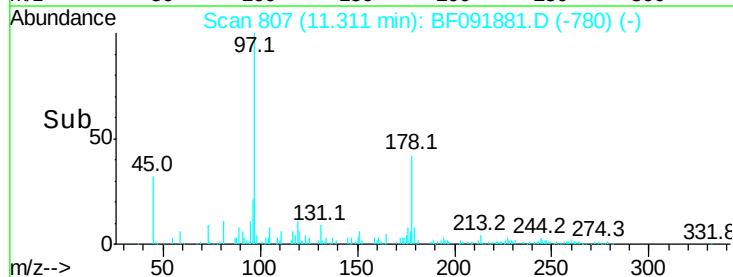
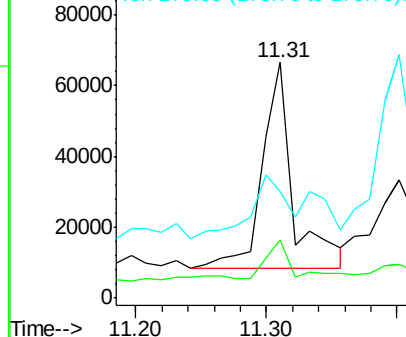
179 45.0 12.8 19.2#

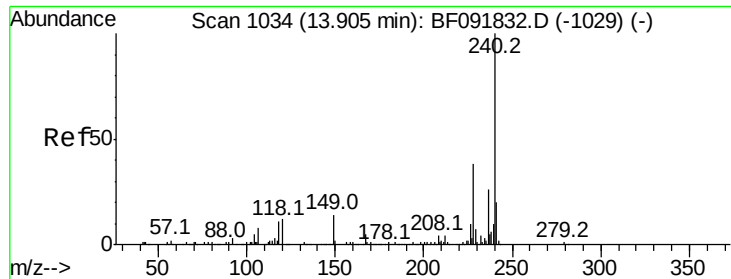


Abundance Ion 178.00 (177.70 to 178.70): E

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: 13.92 min Scan# 1035

Delta R.T. 0.01 min

Lab File: BF091881.D

Acq: 22 Dec 2016 13:02

Instrument :

BNA_F

ClientSampleId :

WASTE-WATER-COMP

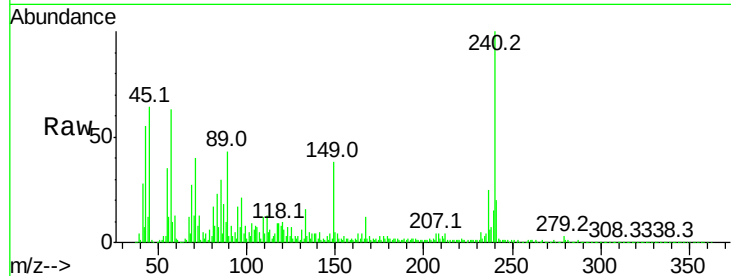
Tot Ion:240 Resp: 480066

Ion Ratio Lower Upper

240 100

120 10.4 12.9 19.3#

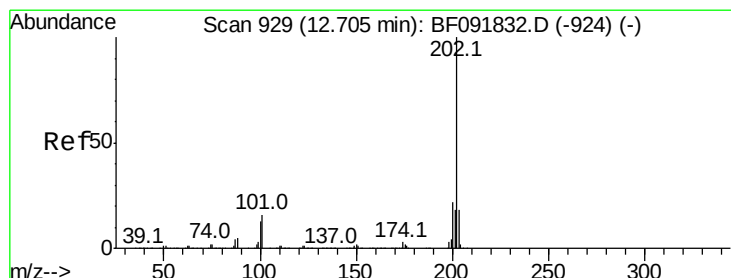
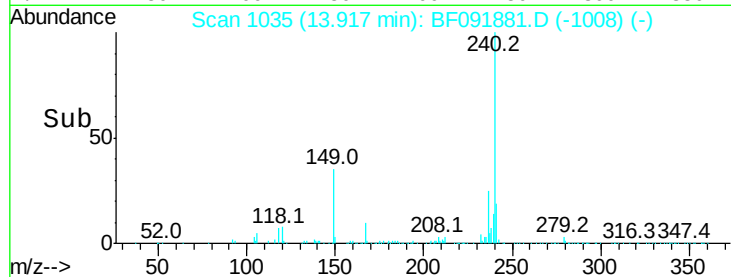
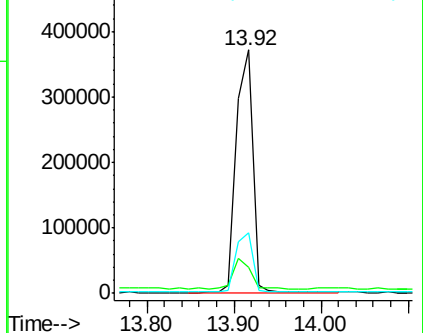
236 25.0 20.9 31.3



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: 2.17 ng

RT: 12.72 min Scan# 930

Delta R.T. 0.01 min

Lab File: BF091881.D

Acq: 22 Dec 2016 13:02

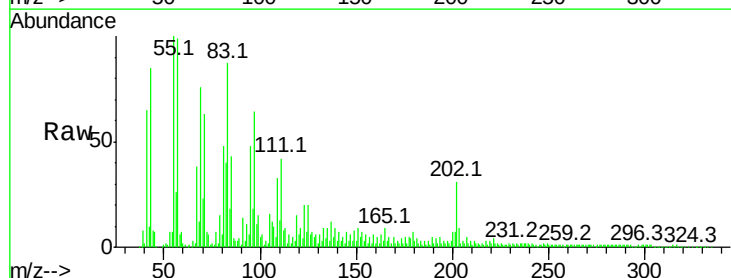
Tgt Ion:202 Resp: 76494

Ion Ratio Lower Upper

202 100

200 22.3 17.7 26.5

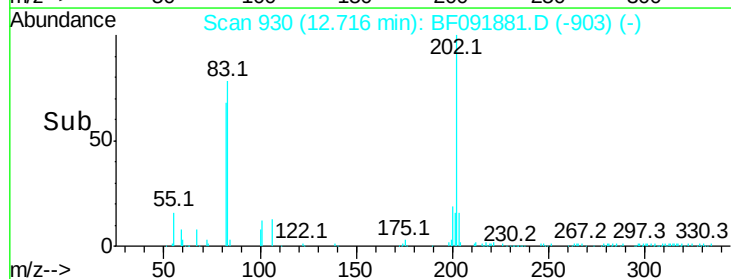
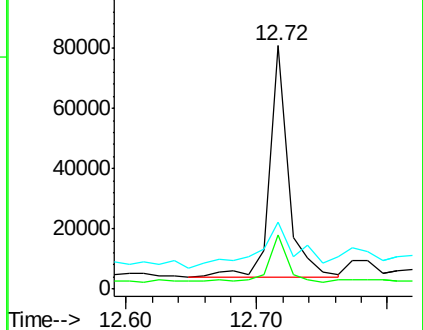
203 27.4 14.7 22.1#

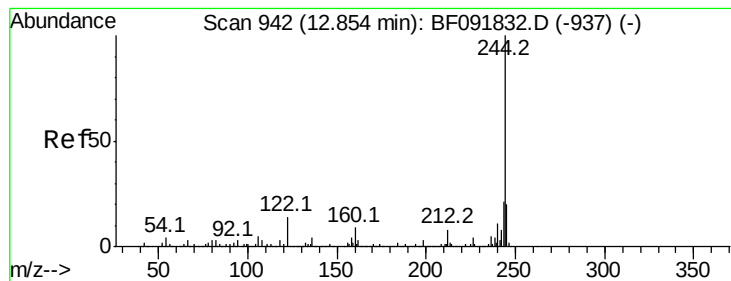


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 85.52 ng

RT: 12.87 min Scan# 943

Delta R.T. 0.01 min

Lab File: BF091881.D

Acq: 22 Dec 2016 13:02

Instrument :

BNA_F

ClientSampleId :

WASTE-WATER-COMP

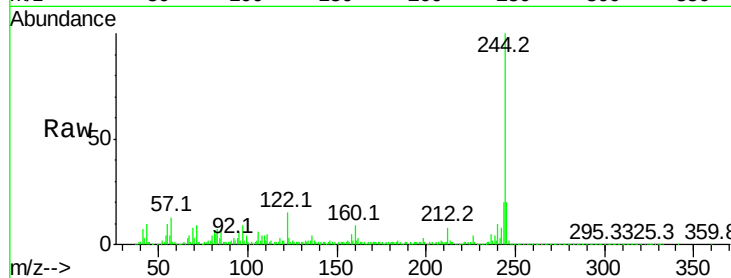
Tot Ion:244 Resp: 1692875

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

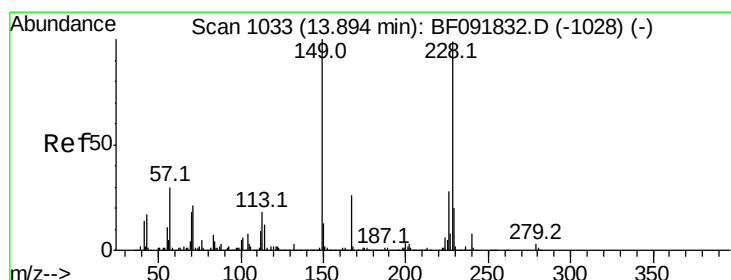
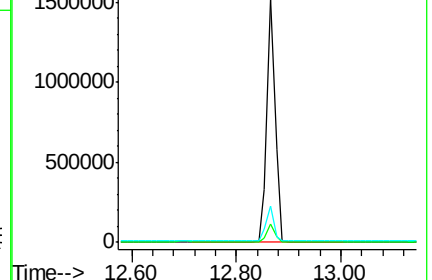
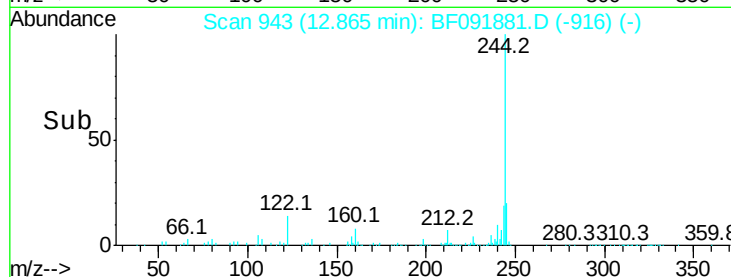
122 15.1 11.4 17.2



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 76.35 ng

RT: 13.91 min Scan# 1034

Delta R.T. 0.01 min

Lab File: BF091881.D

Acq: 22 Dec 2016 13:02

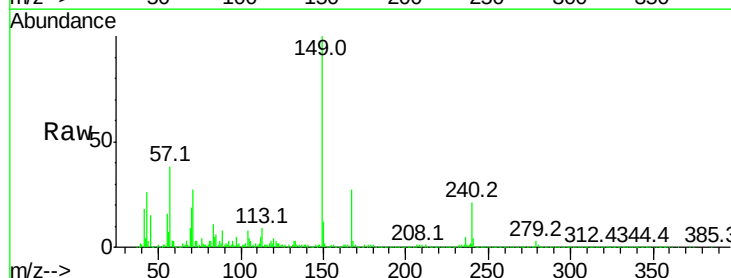
Tgt Ion:149 Resp: 1440337

Ion Ratio Lower Upper

149 100

167 26.8 20.2 30.4

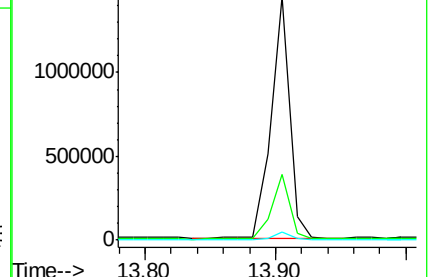
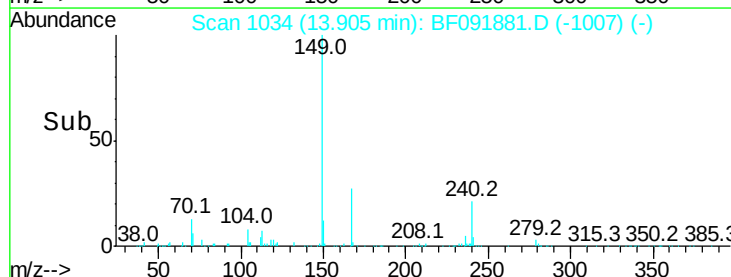
279 3.3 1.8 2.8#

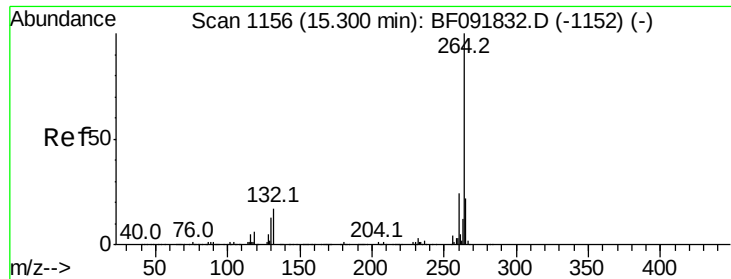


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.31 min Scan# 1157
 Delta R.T. 0.01 min
 Lab File: BF091881.D
 Acq: 22 Dec 2016 13:02

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-WATER-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.9	17.4	26.0

