

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111315\
 Data File : BF082904.D
 Acq On : 13 Nov 2015 18:30
 Operator : UM/IZ
 Sample : G4406-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PURGEWATER

Quant Time: Nov 13 22:24:05 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 07 02:32:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	193899	20.00	ng	-0.06
21) Naphthalene-d8	8.09	136	766904	20.00	ng	-0.06
38) Acenaphthene-d10	9.84	164	349256	20.00	ng	-0.06
63) Phenanthrene-d10	11.32	188	692526	20.00	ng	-0.06
75) Chrysene-d12	13.95	240	531347	20.00	ng	-0.07
86) Perylene-d12	15.37	264	451956	20.00	ng	-0.09

System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	670042	53.77	ng	-0.06
7) Phenol-d6	6.43	99	542107	32.72	ng	-0.05
23) Nitrobenzene-d5	7.37	82	1355072	76.88	ng	-0.04
41) 2,4,6-Tribromophenol	10.64	330	493158	123.15	ng	-0.04
44) 2-Fluorobiphenyl	9.17	172	2110890	86.62	ng	-0.05
78) Terphenyl-d14	12.91	244	1188085	53.03	ng	-0.06

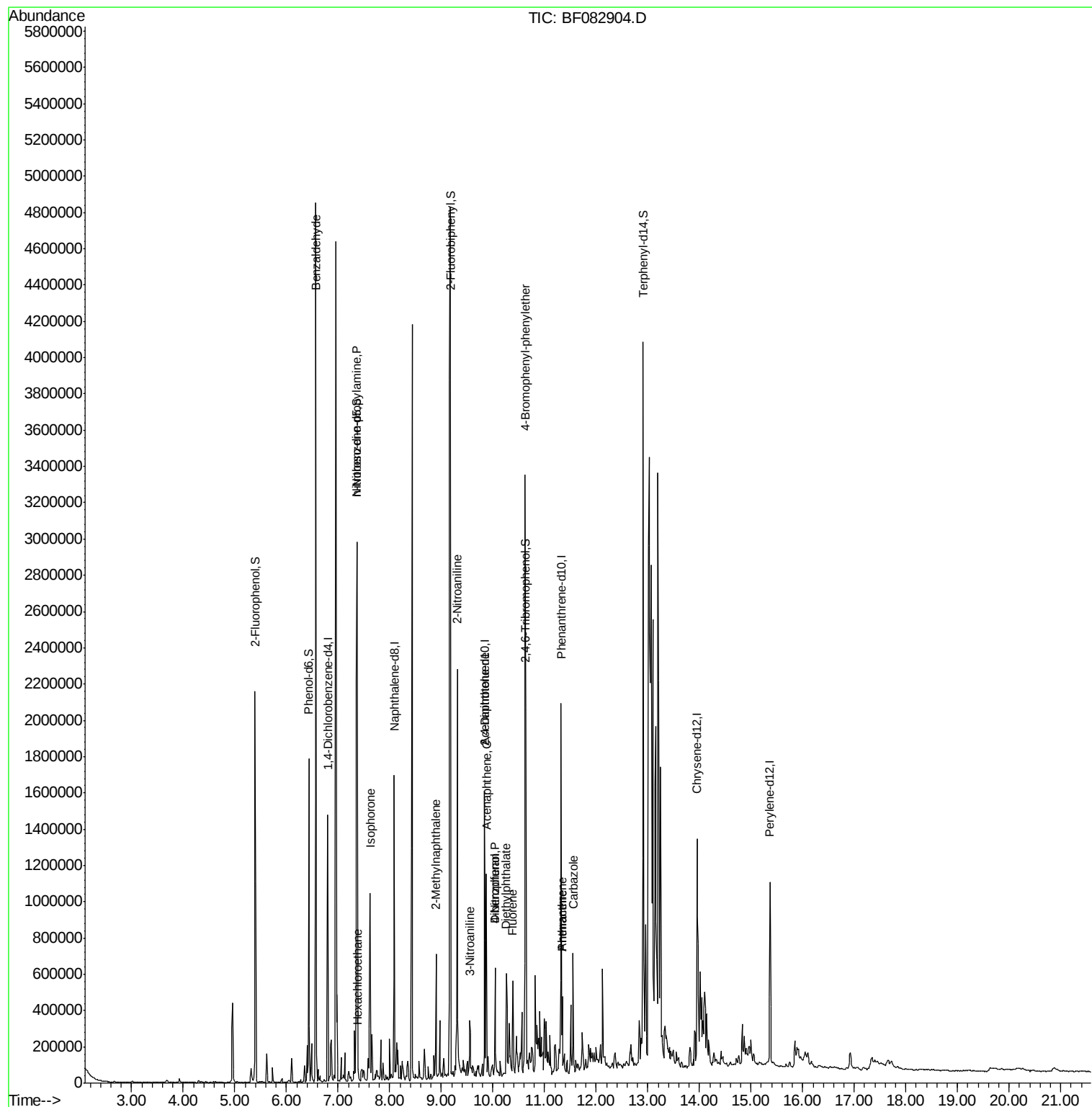
Target Compounds				Qvalue		
9) Benzaldehyde	6.57	77	32057	3.50	ng	88
18) Hexachloroethane	7.38	117	18312	3.16	ng	# 18
19) n-Nitroso-di-n-propylamine	7.37	70	184030	15.11	ng	# 63
25) Isophorone	7.62	82	371386	11.39	ng	# 98
37) 2-Methylnaphthalene	8.90	142	162250	5.93	ng	# 93
47) 2-Nitroaniline	9.31	65	75985	8.76	ng	# 1
51) Acenaphthene	9.87	154	222829	9.60	ng	98
52) 3-Nitroaniline	9.55	138	144311	21.49	ng	# 1
54) Dibenzofuran	10.04	168	189017	6.04	ng	90
55) 4-Nitrophenol	10.04	139	69626	13.52	ng	# 3
56) 2,4-Dinitrotoluene	9.84	165	46402	5.60	ng	# 17
57) Fluorene	10.38	166	127736	5.04	ng	97
59) Diethylphthalate	10.26	149	251692	9.01	ng	96
66) 4-Bromophenyl-phenylether	10.62	248	30543	3.66	ng	# 1
70) Phenanthrene	11.35	178	120441	2.99	ng	95
71) Anthracene	11.35	178	120441	2.84	ng	96
72) Carbazole	11.55	167	229951	6.20	ng	96

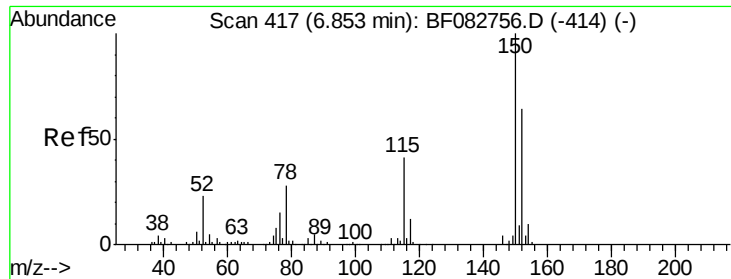
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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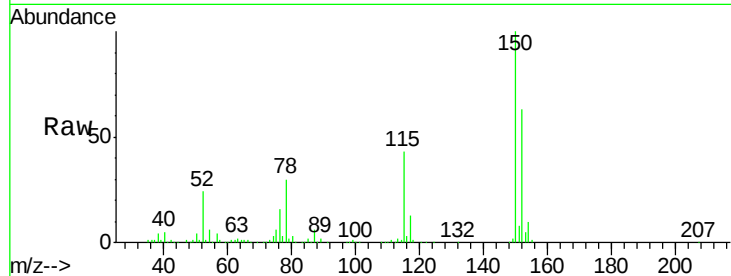


#1

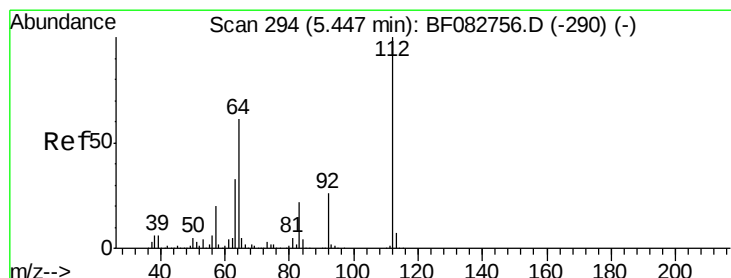
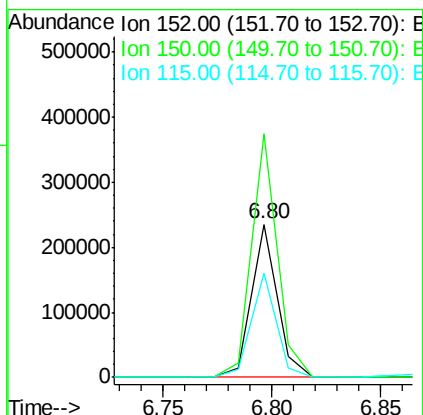
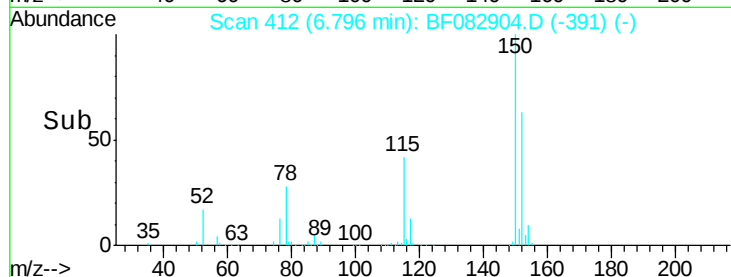
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 412
Delta R.T. -0.06 min
Lab File: BF082904.D
Acq: 13 Nov 2015 18:30

Instrument :
BNA_F
ClientSampleId :
PURGEWATER

Tgt Ion:152 Resp: 193899
Ion Ratio Lower Upper
152 100
150 159.0 127.0 190.4
115 67.6 47.0 70.6



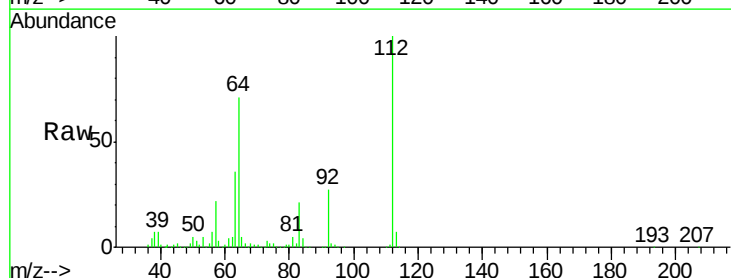
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



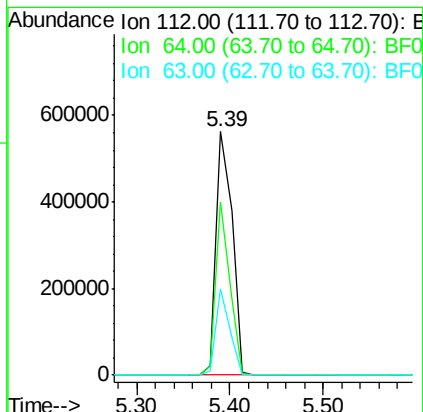
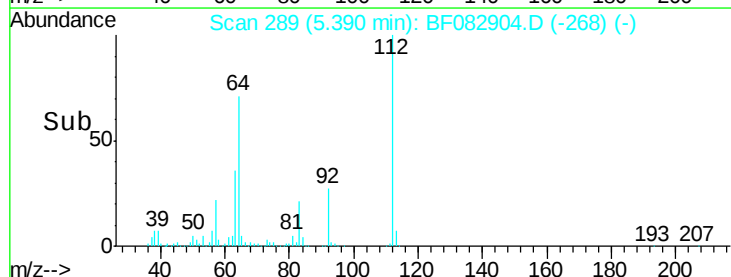
#5

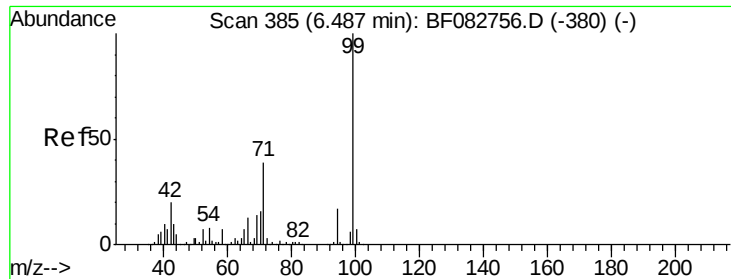
2-Fluorophenol
Concen: 53.77 ng
RT: 5.39 min Scan# 289
Delta R.T. -0.06 min
Lab File: BF082904.D
Acq: 13 Nov 2015 18:30

Tgt Ion:112 Resp: 670042
Ion Ratio Lower Upper
112 100
64 71.0 48.9 73.3
63 35.6 28.1 42.1



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: 32.72 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.05 min

Lab File: BF082904.D

Acq: 13 Nov 2015 18:30

Instrument :

BNA_F

ClientSampleId :

PURGEWATER

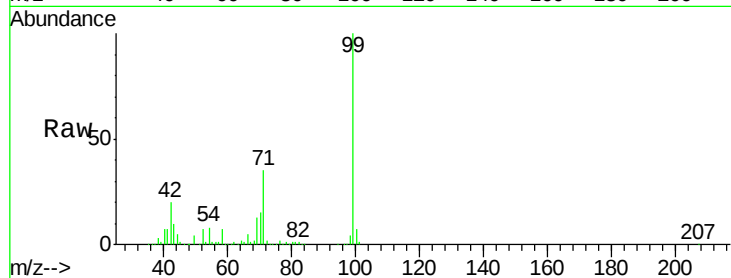
Tgt Ion: 99 Resp: 542107

Ion Ratio Lower Upper

99 100

42 20.2 19.2 28.8

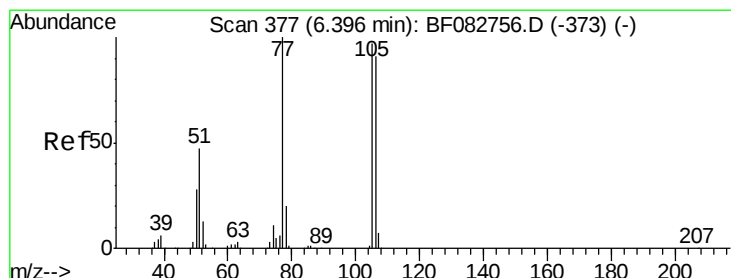
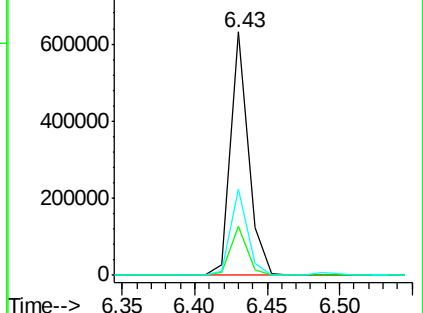
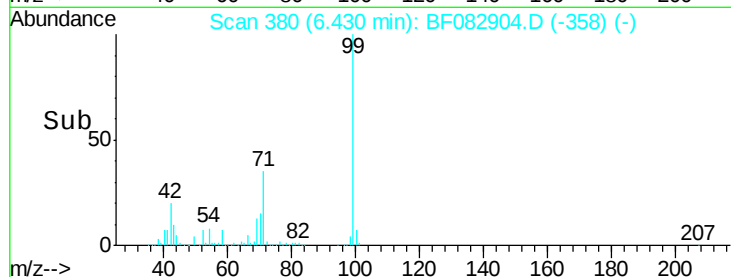
71 35.4 35.0 52.4



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



#9

Benzaldehyde

Concen: 3.50 ng

RT: 6.57 min Scan# 392

Delta R.T. 0.17 min

Lab File: BF082904.D

Acq: 13 Nov 2015 18:30

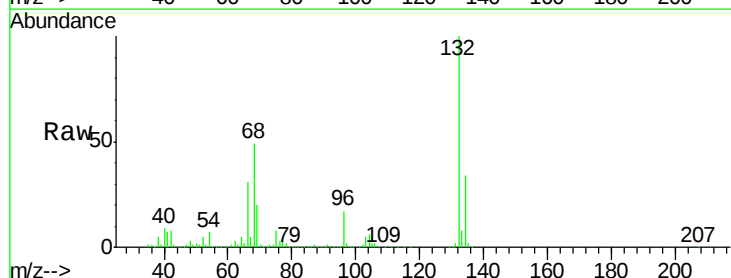
Tgt Ion: 77 Resp: 32057

Ion Ratio Lower Upper

77 100

105 74.8 63.5 103.5

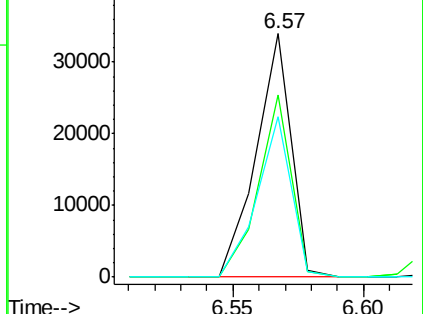
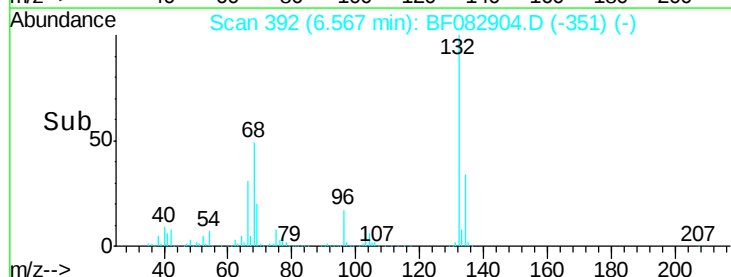
106 66.0 59.3 99.3

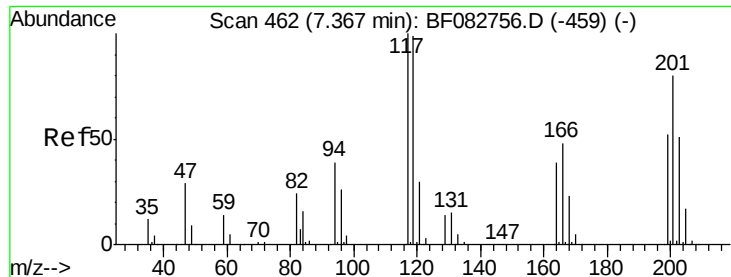


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

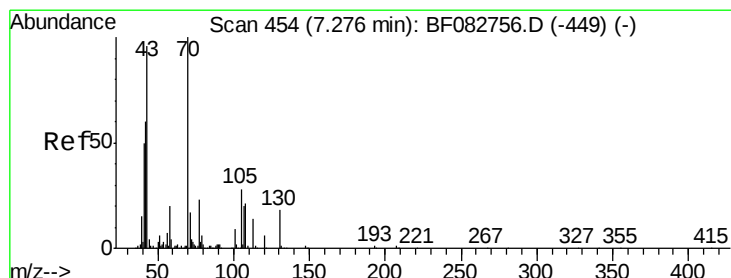
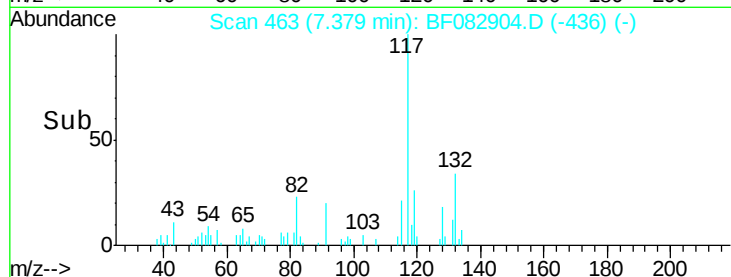
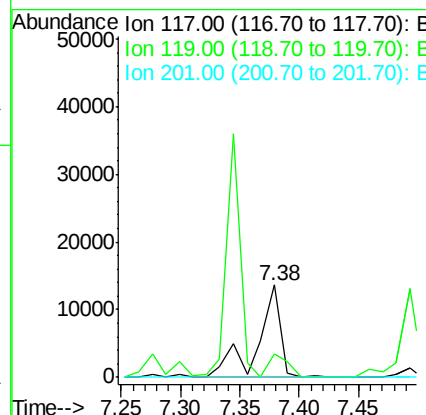
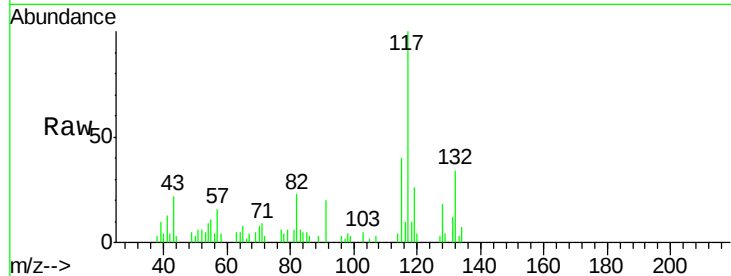




#18
 Hexachloroethane
 Concen: 3.16 ng
 RT: 7.38 min Scan# 463
 Delta R.T. 0.01 min
 Lab File: BF082904.D
 Acq: 13 Nov 2015 18:30

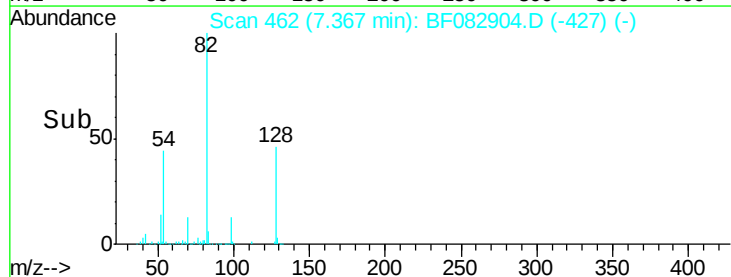
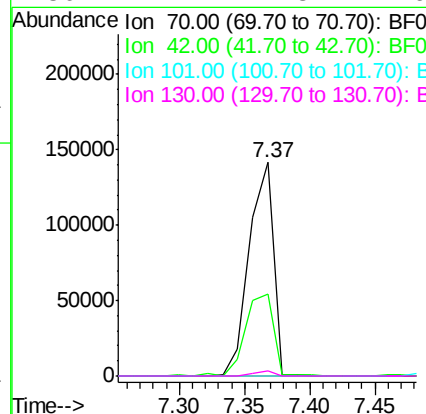
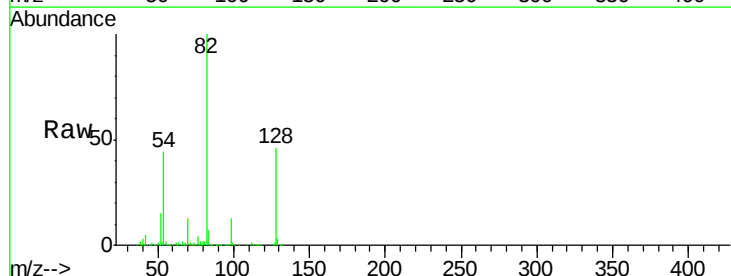
Instrument :
 BNA_F
 ClientSampleId :
 PURGEWATER

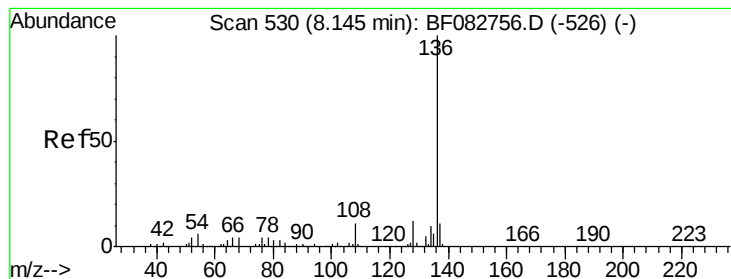
Tgt Ion: 117 Resp: 18312
 Ion Ratio Lower Upper
 117 100
 119 25.5 77.7 116.5#
 201 0.0 66.7 100.1#



#19
 n-Nitroso-di-n-propylamine
 Concen: 15.11 ng
 RT: 7.37 min Scan# 462
 Delta R.T. 0.10 min
 Lab File: BF082904.D
 Acq: 13 Nov 2015 18:30

Tgt Ion: 70 Resp: 184030
 Ion Ratio Lower Upper
 70 100
 42 38.5 57.7 86.5#
 101 0.0 7.0 10.6#
 130 2.1 11.8 17.6#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.06 min

Lab File: BF082904.D

Acq: 13 Nov 2015 18:30

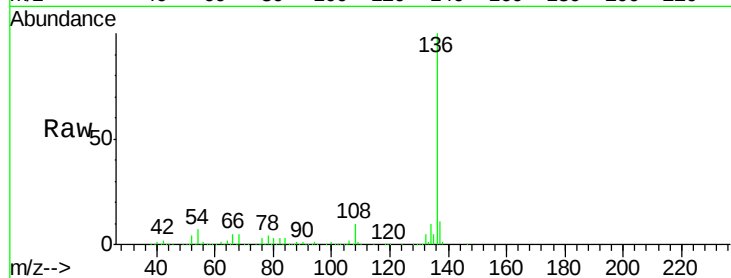
Instrument :

BNA_F

ClientSampleId :

PURGEWATER

Tgt Ion:	136	Resp:	766904
Ion Ratio	Lower	Upper	
136	100		
137	10.7	9.1	13.7
54	7.2	9.1	13.7#
68	5.2	4.8	7.2

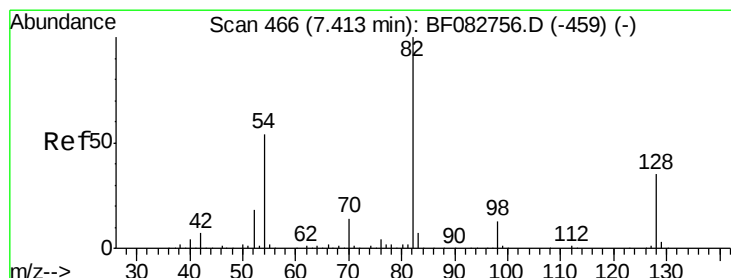
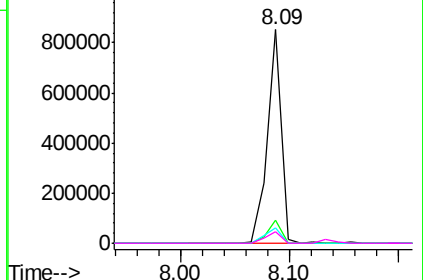
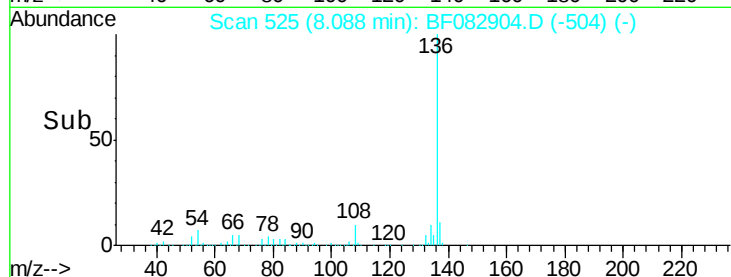


Abundance Ion 136.00 (135.70 to 136.70): E

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: 76.88 ng

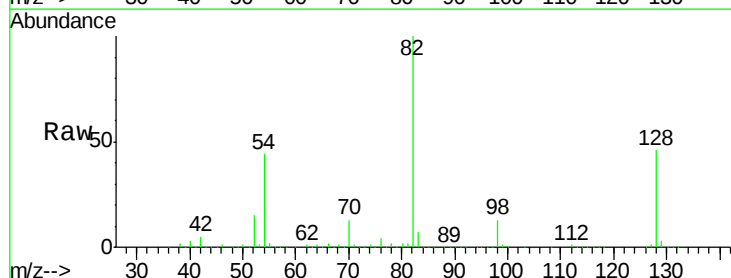
RT: 7.37 min Scan# 462

Delta R.T. -0.04 min

Lab File: BF082904.D

Acq: 13 Nov 2015 18:30

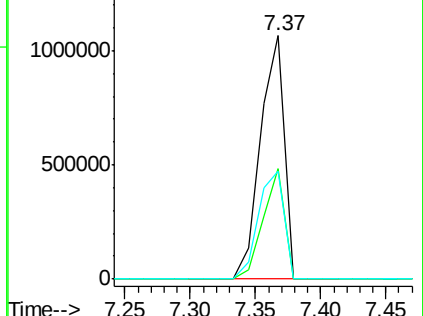
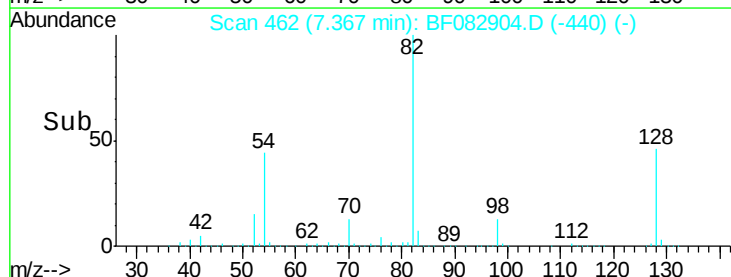
Tgt Ion:	82	Resp:	1355072
Ion Ratio	Lower	Upper	
82	100		
128	45.6	26.8	40.2#
54	44.1	45.7	68.5#

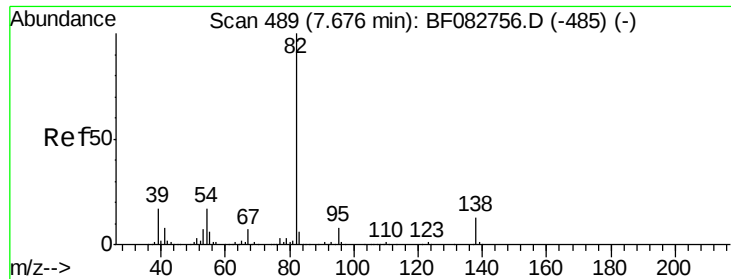


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 11.39 ng

RT: 7.62 min Scan# 484

Delta R.T. -0.06 min

Lab File: BF082904.D

Acq: 13 Nov 2015 18:30

Instrument :

BNA_F

ClientSampleId :

PURGEWATER

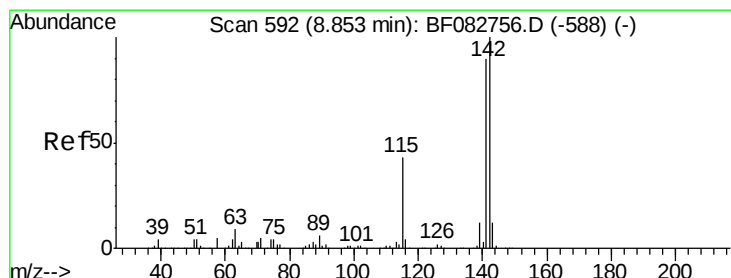
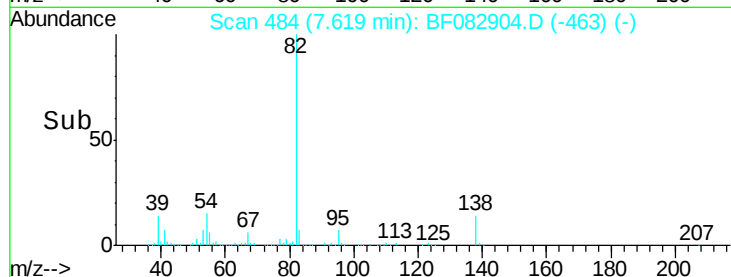
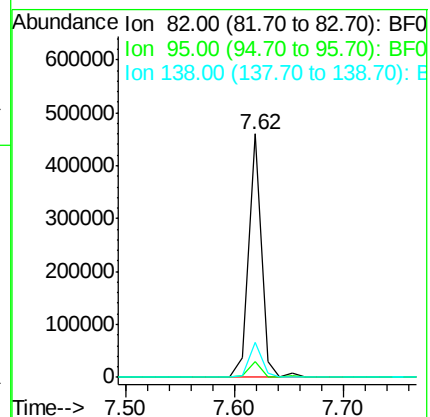
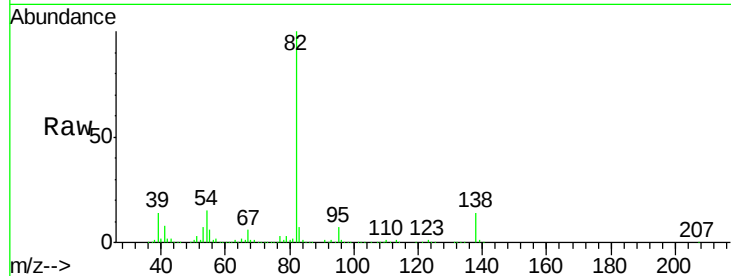
Tgt Ion: 82 Resp: 371386

Ion Ratio Lower Upper

82 100

95 6.5 6.6 9.8#

138 14.2 11.4 17.0



#37

2-Methylnaphthalene

Concen: 5.93 ng

RT: 8.90 min Scan# 596

Delta R.T. 0.05 min

Lab File: BF082904.D

Acq: 13 Nov 2015 18:30

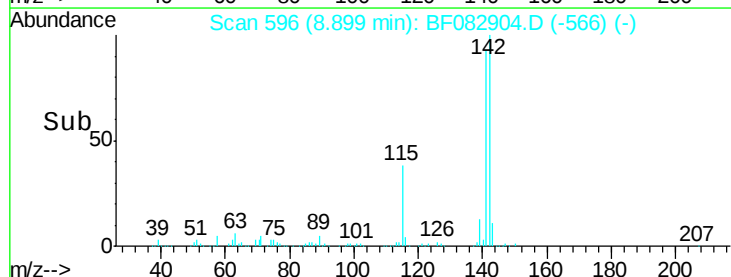
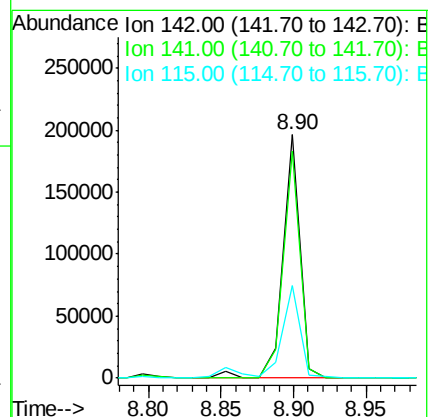
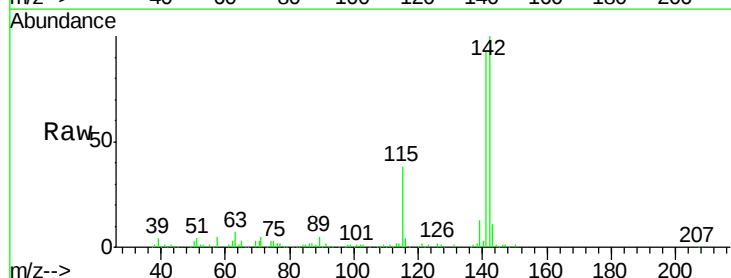
Tgt Ion: 142 Resp: 162250

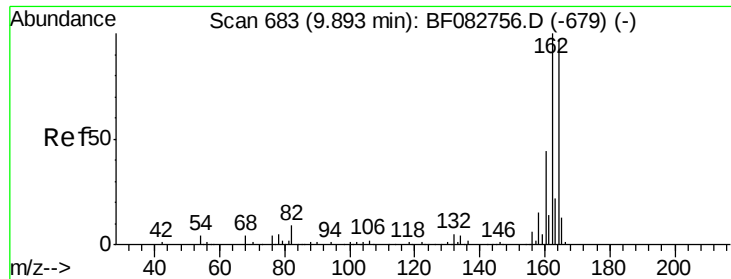
Ion Ratio Lower Upper

142 100

141 93.3 72.3 108.5

115 38.0 38.1 57.1#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.06 min

Lab File: BF082904.D

Acq: 13 Nov 2015 18:30

Instrument :

BNA_F

ClientSampleId :

PURGEWATER

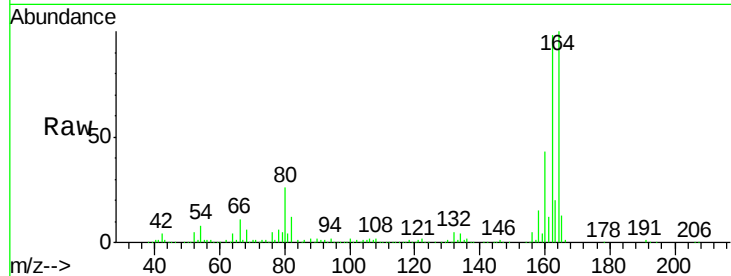
Tgt Ion:164 Resp: 349256

Ion Ratio Lower Upper

164 100

162 98.1 84.9 127.3

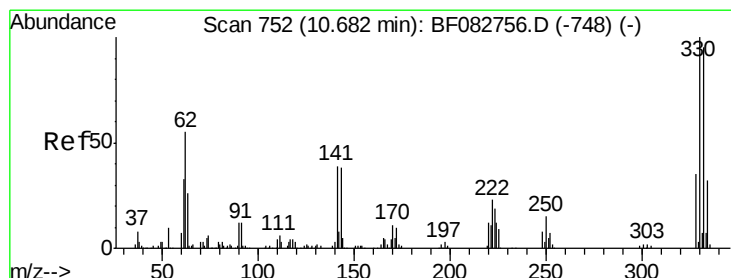
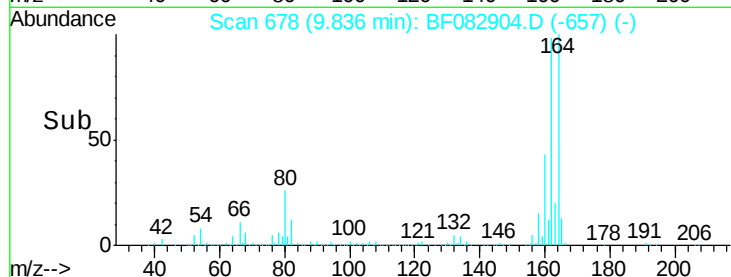
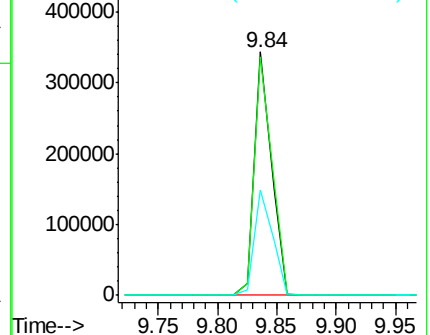
160 43.5 37.5 56.3



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: 123.15 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.04 min

Lab File: BF082904.D

Acq: 13 Nov 2015 18:30

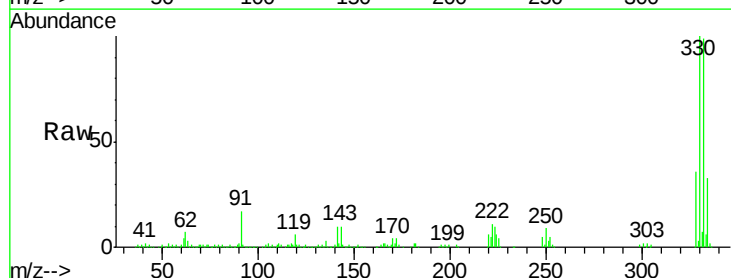
Tgt Ion:330 Resp: 493158

Ion Ratio Lower Upper

330 100

332 98.0 76.6 114.8

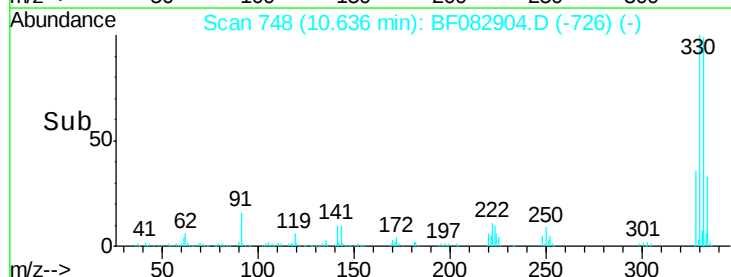
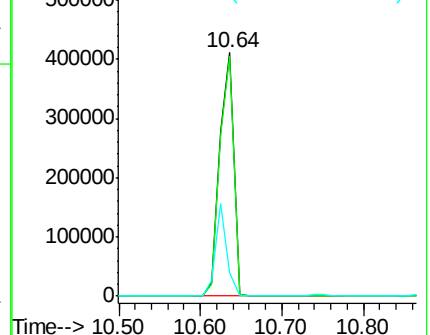
141 31.7 41.2 61.8#

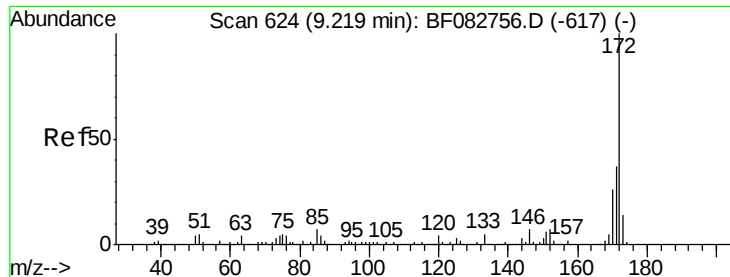


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

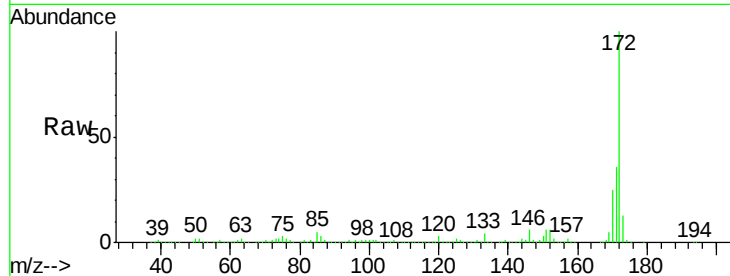




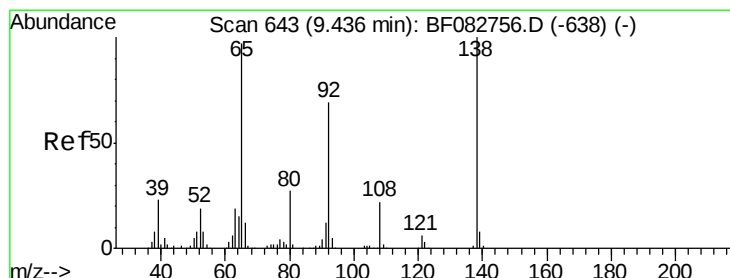
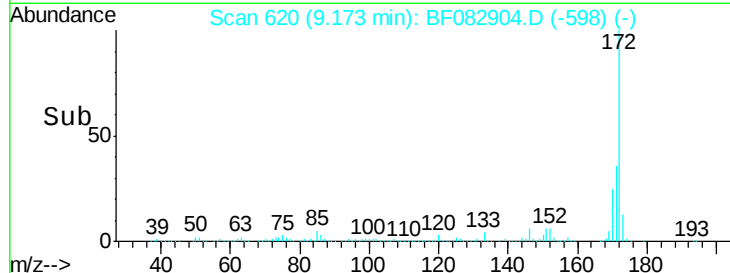
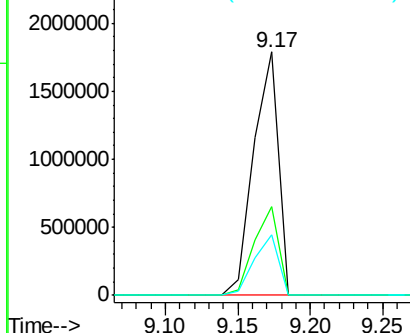
#44
2-Fluorobiphenyl
Concen: 86.62 ng
RT: 9.17 min Scan# 620
Delta R.T. -0.05 min
Lab File: BF082904.D
Acq: 13 Nov 2015 18:30

Instrument :
BNA_F
ClientSampleId :
PURGEWATER

Tgt Ion: 172 Resp: 2110890
Ion Ratio Lower Upper
172 100
171 36.5 30.8 46.2
170 24.7 21.2 31.8

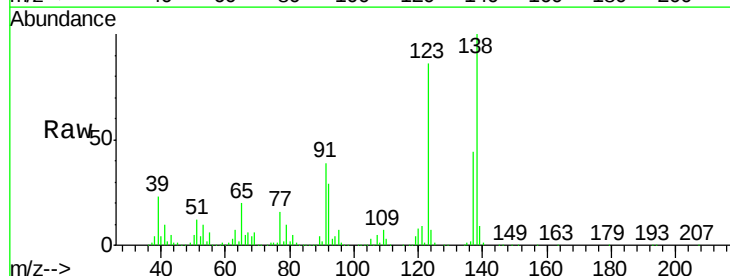


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

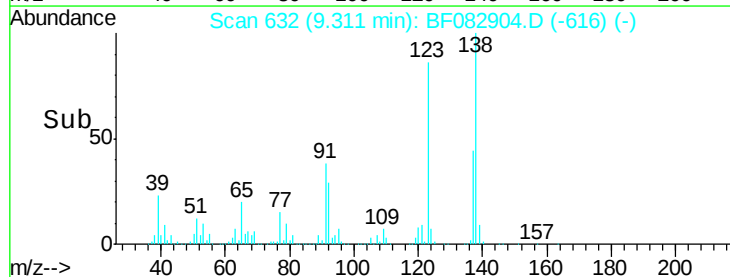
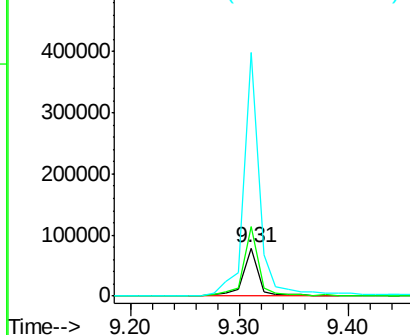


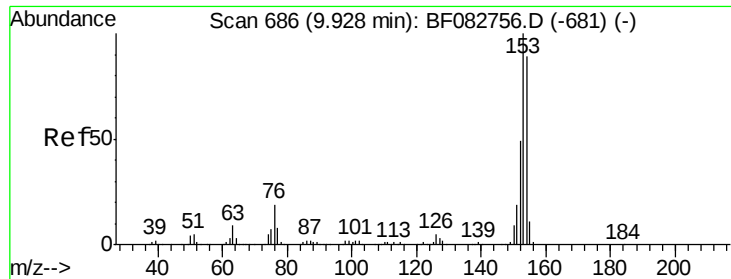
#47
2-Nitroaniline
Concen: 8.76 ng
RT: 9.31 min Scan# 632
Delta R.T. -0.11 min
Lab File: BF082904.D
Acq: 13 Nov 2015 18:30

Tgt Ion: 65 Resp: 75985
Ion Ratio Lower Upper
65 100
92 145.6 46.6 70.0#
138 505.9 54.6 81.8#



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E





#51

Acenaphthene

Concen: 9.60 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.06 min

Lab File: BF082904.D

Acq: 13 Nov 2015 18:30

Instrument :

BNA_F

ClientSampleId :

PURGEWATER

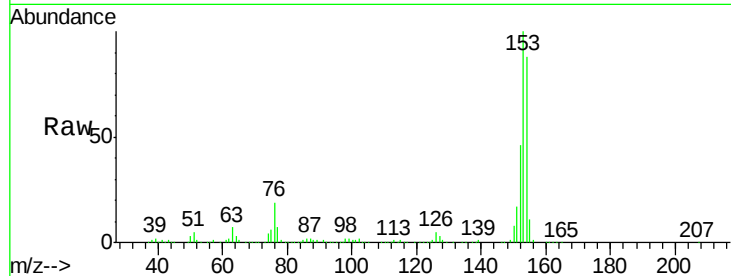
Tgt Ion:154 Resp: 222829

Ion Ratio Lower Upper

154 100

153 113.6 90.1 135.1

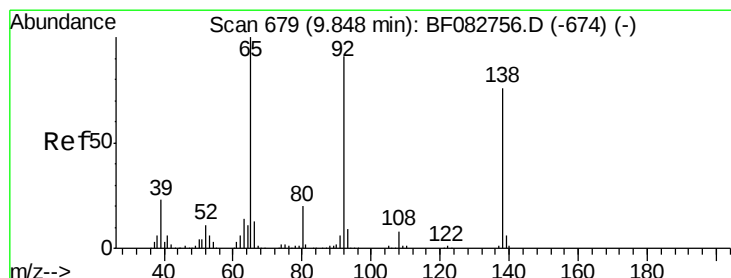
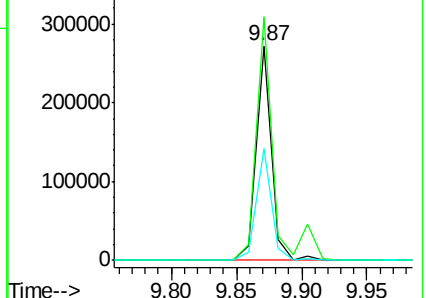
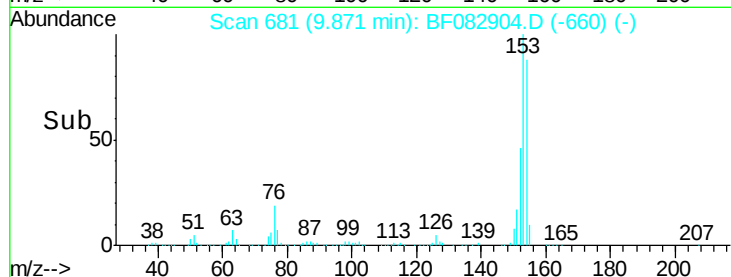
152 52.0 44.3 66.5



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



#52

3-Nitroaniline

Concen: 21.49 ng

RT: 9.55 min Scan# 653

Delta R.T. -0.29 min

Lab File: BF082904.D

Acq: 13 Nov 2015 18:30

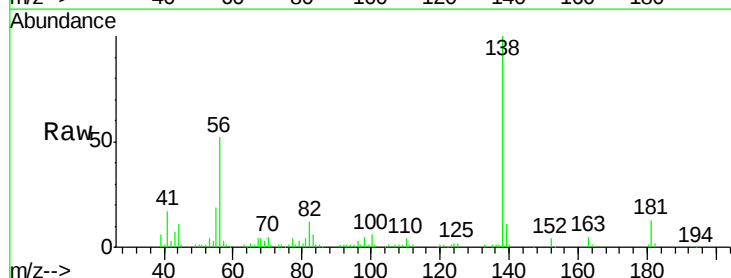
Tgt Ion:138 Resp: 144311

Ion Ratio Lower Upper

138 100

108 0.7 11.3 16.9#

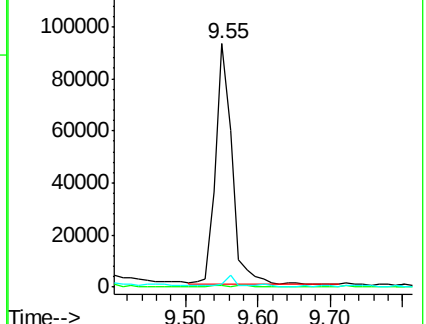
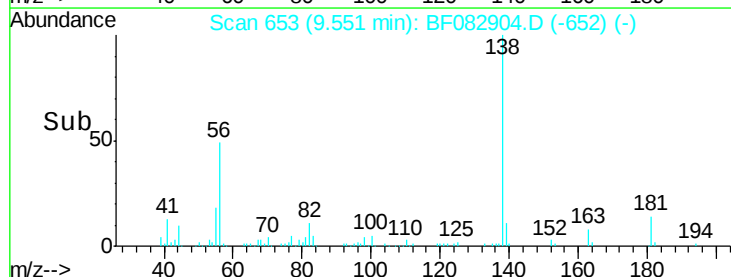
92 1.3 122.4 183.6#

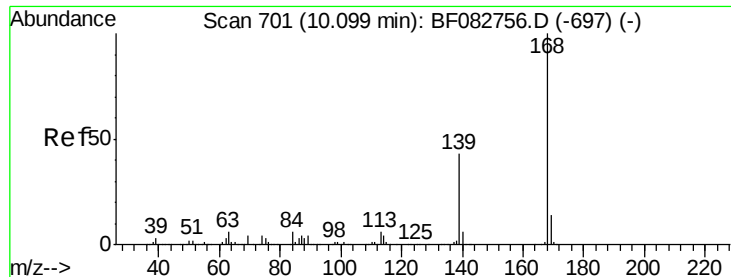


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#54

Dibenzofuran

Concen: 6.04 ng

RT: 10.04 min Scan# 696

Delta R.T. -0.06 min

Lab File: BF082904.D

Acq: 13 Nov 2015 18:30

Instrument :

BNA_F

ClientSampleId :

PURGEWATER

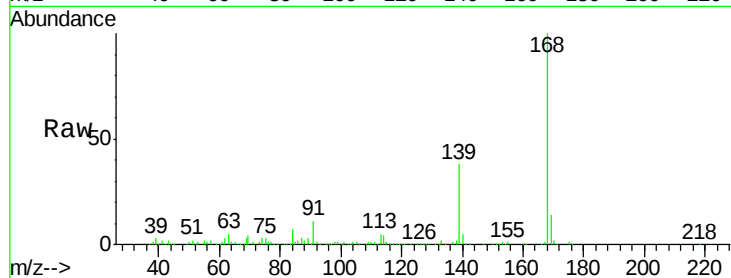
Tgt Ion:168 Resp: 189017

Ion Ratio Lower Upper

168 100

139 38.2 37.8 56.6

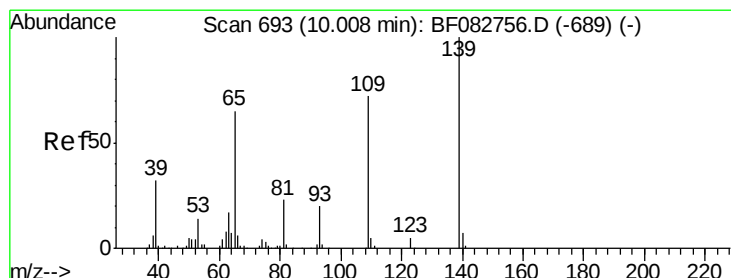
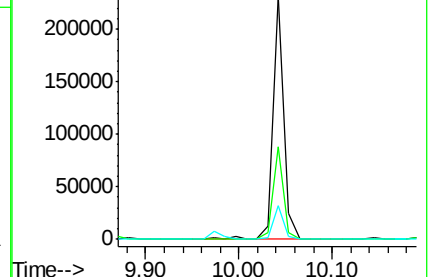
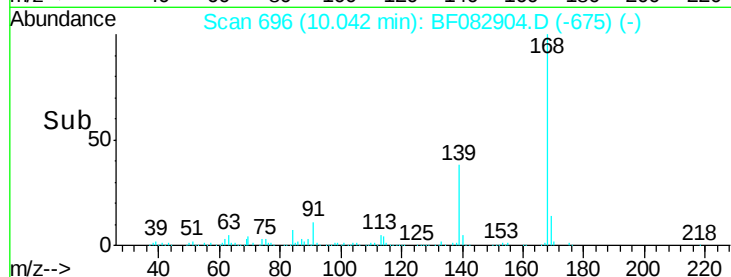
169 13.9 11.3 16.9



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



#55

4-Nitrophenol

Concen: 13.52 ng

RT: 10.04 min Scan# 696

Delta R.T. 0.05 min

Lab File: BF082904.D

Acq: 13 Nov 2015 18:30

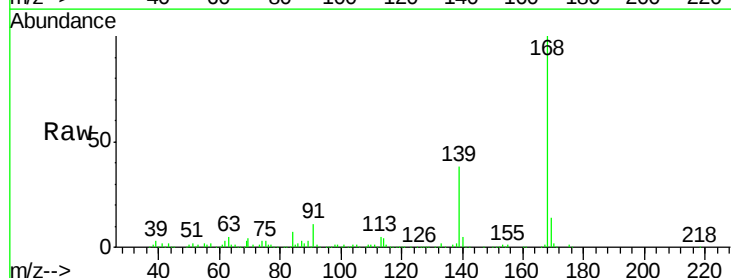
Tgt Ion:139 Resp: 69626

Ion Ratio Lower Upper

139 100

109 1.3 73.7 113.7#

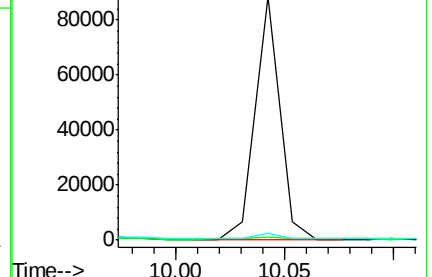
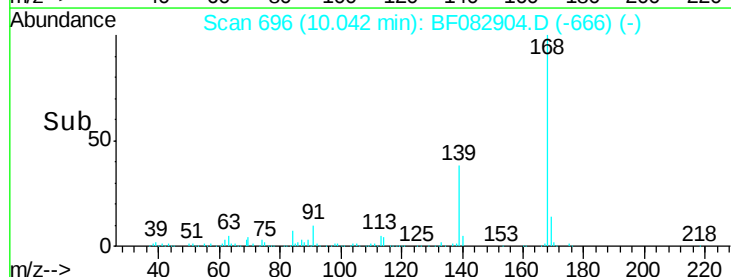
65 2.9 82.9 122.9#

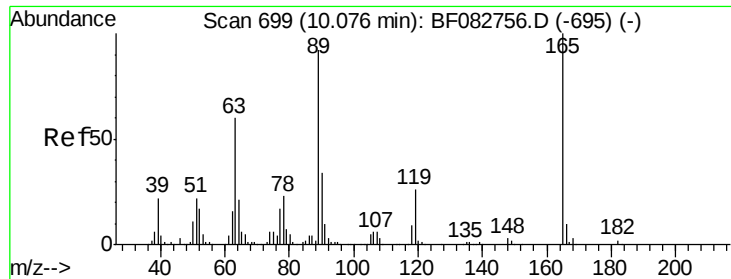


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

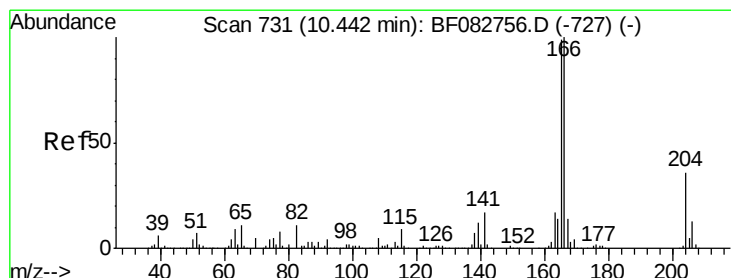
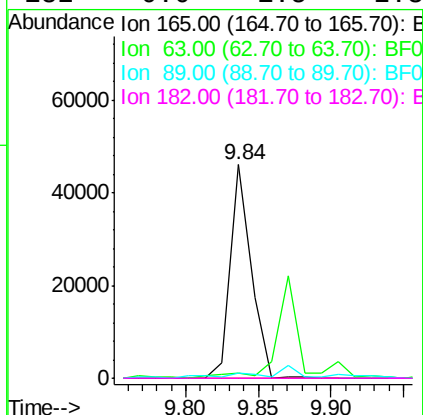
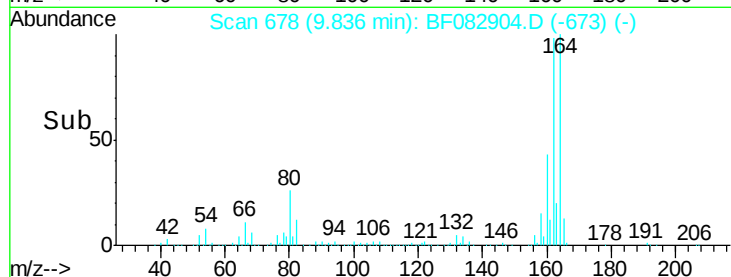
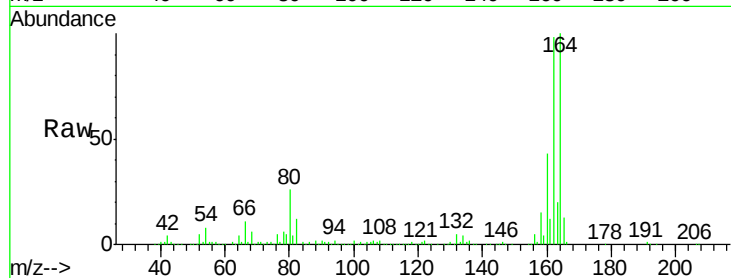




#56
2,4-Dinitrotoluene
Concen: 5.60 ng
RT: 9.84 min Scan# 678
Delta R.T. -0.24 min
Lab File: BF082904.D
Acq: 13 Nov 2015 18:30

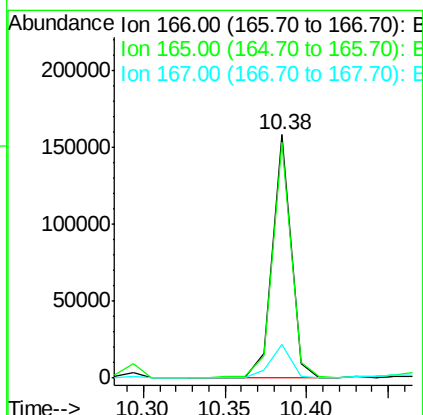
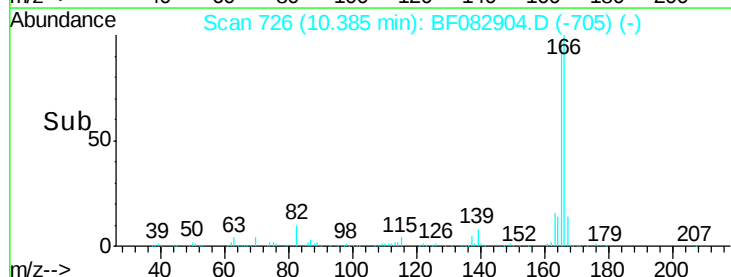
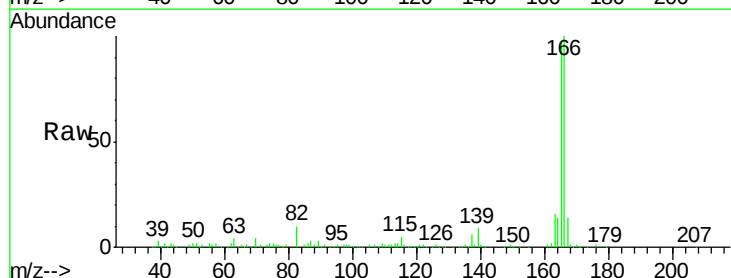
Instrument :
BNA_F
ClientSampleId :
PURGEWATER

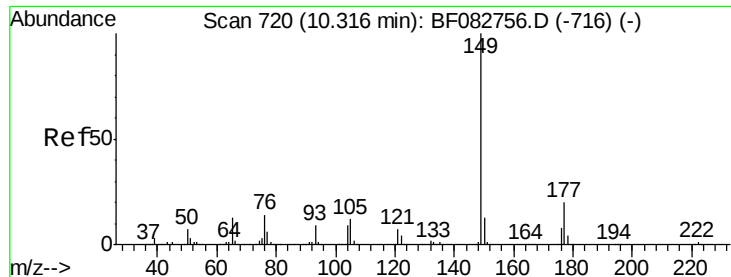
Tgt Ion:165 Resp: 46402
Ion Ratio Lower Upper
165 100
63 2.3 43.4 65.0#
89 2.7 70.6 106.0#
182 0.0 1.5 2.3#



#57
Fluorene
Concen: 5.04 ng
RT: 10.38 min Scan# 726
Delta R.T. -0.06 min
Lab File: BF082904.D
Acq: 13 Nov 2015 18:30

Tgt Ion:166 Resp: 127736
Ion Ratio Lower Upper
166 100
165 96.9 80.2 120.4
167 13.7 11.2 16.8

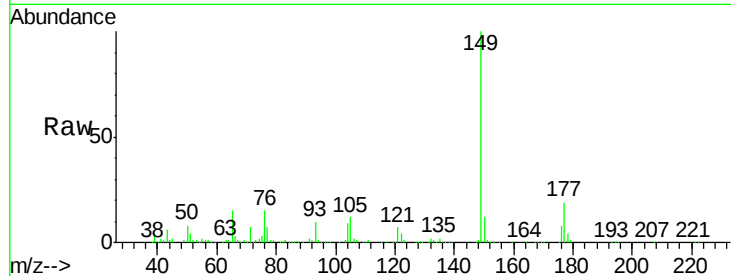




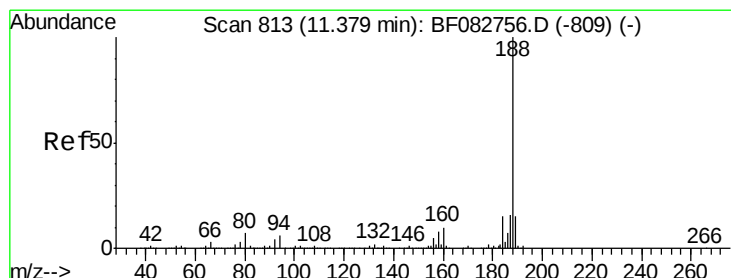
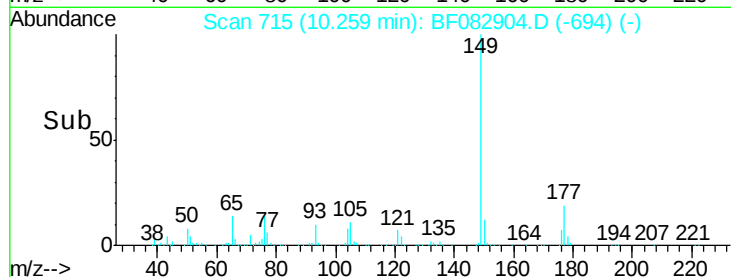
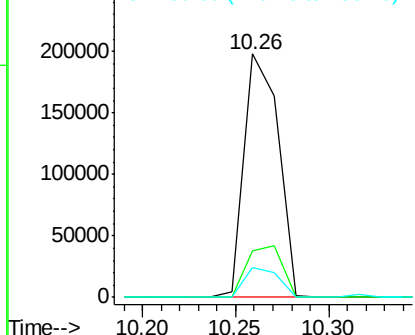
#59
Diethylphthalate
Concen: 9.01 ng
RT: 10.26 min Scan# 715
Delta R.T. -0.06 min
Lab File: BF082904.D
Acq: 13 Nov 2015 18:30

Instrument :
BNA_F
ClientSampleId :
PURGEWATER

Tgt Ion:149 Resp: 251692
Ion Ratio Lower Upper
149 100
177 19.2 17.9 26.9
150 12.5 10.1 15.1

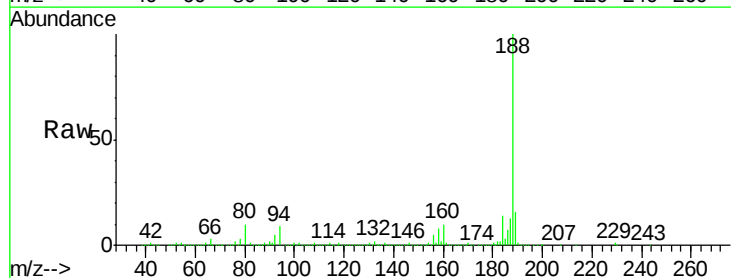


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

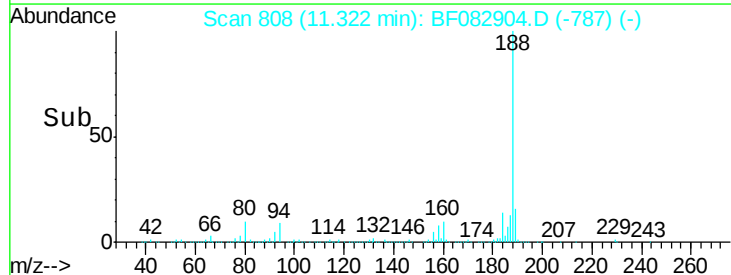
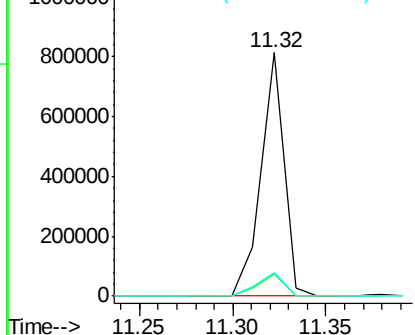


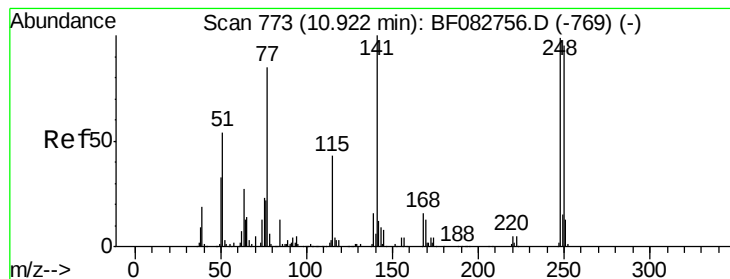
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.06 min
Lab File: BF082904.D
Acq: 13 Nov 2015 18:30

Tgt Ion:188 Resp: 692526
Ion Ratio Lower Upper
188 100
94 8.9 6.1 9.1
80 9.8 7.0 10.6



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





#66

4-Bromophenyl-phenylether

Concen: 3.66 ng

RT: 10.62 min Scan# 747

Delta R.T. -0.30 min

Lab File: BF082904.D

Acq: 13 Nov 2015 18:30

Instrument :

BNA_F

ClientSampleId :

PURGEWATER

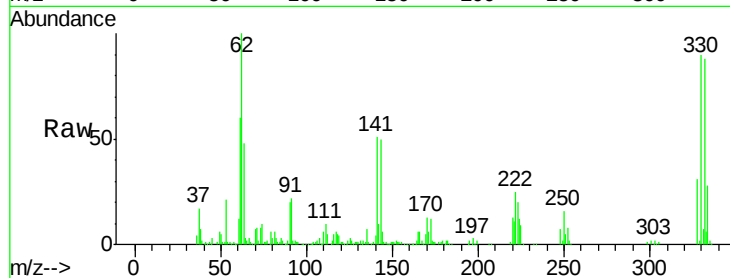
Tgt Ion:248 Resp: 30543

Ion Ratio Lower Upper

248 100

250 210.5 79.4 119.2#

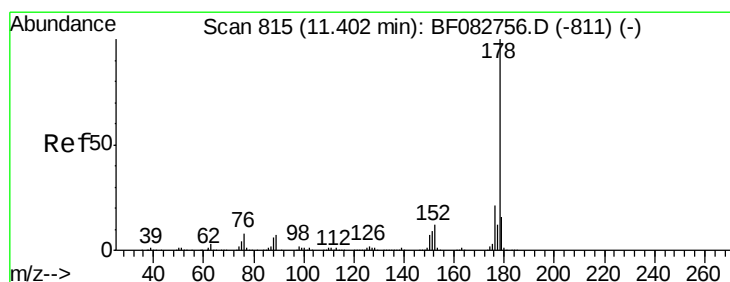
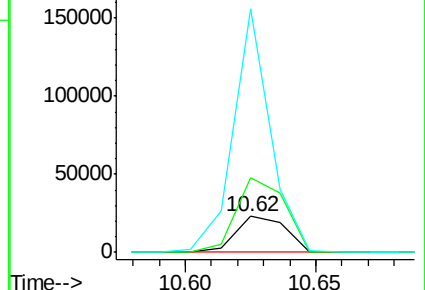
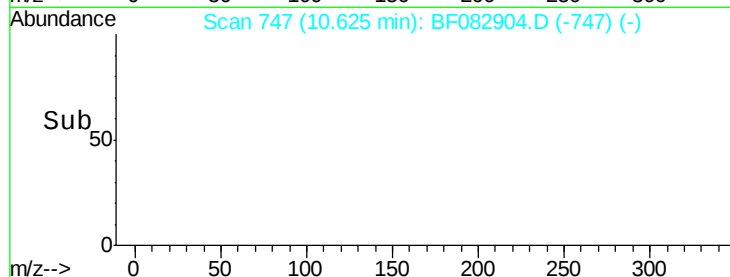
141 682.9 36.3 54.5#



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



#70

Phenanthrene

Concen: 2.99 ng

RT: 11.35 min Scan# 810

Delta R.T. -0.06 min

Lab File: BF082904.D

Acq: 13 Nov 2015 18:30

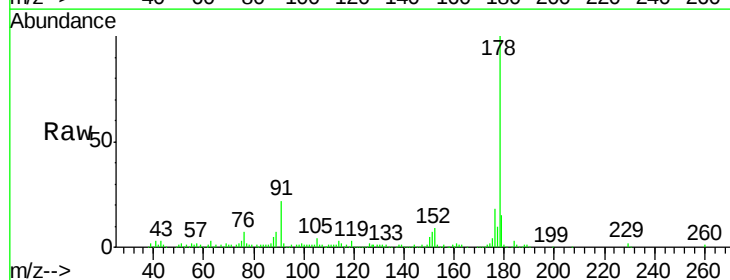
Tgt Ion:178 Resp: 120441

Ion Ratio Lower Upper

178 100

176 18.4 17.0 25.4

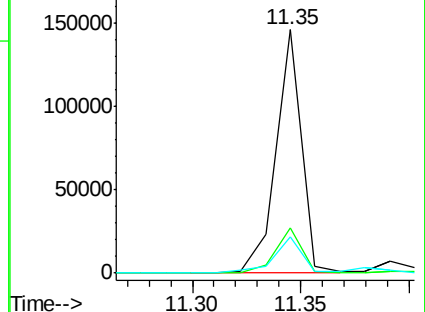
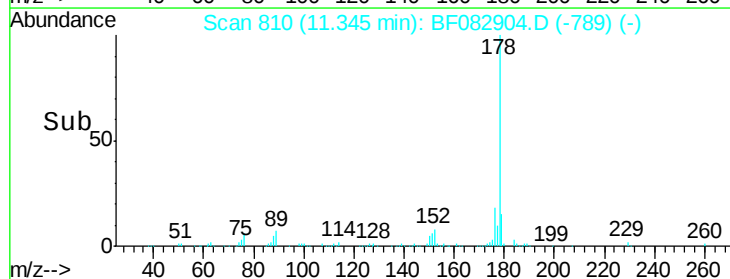
179 14.7 13.4 20.0

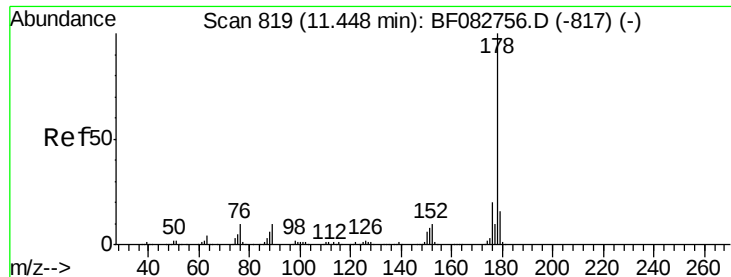


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

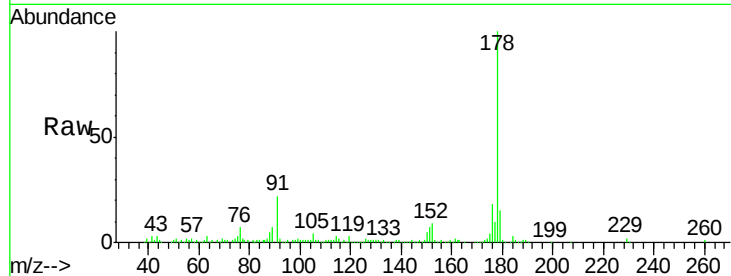




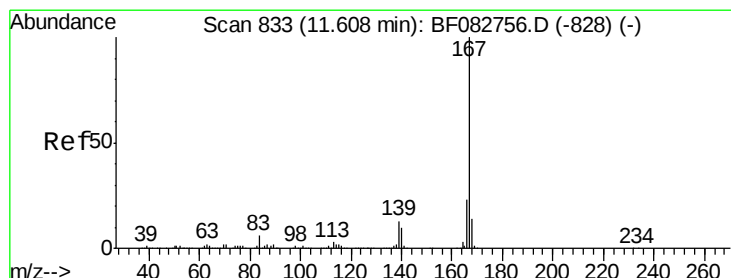
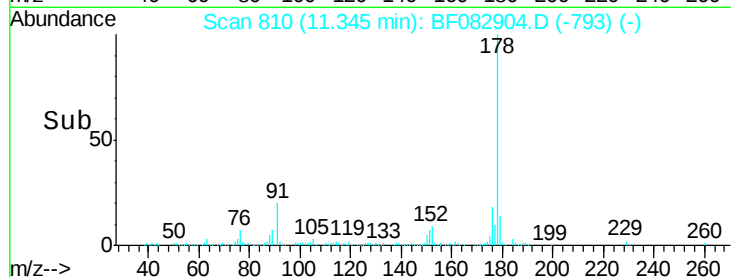
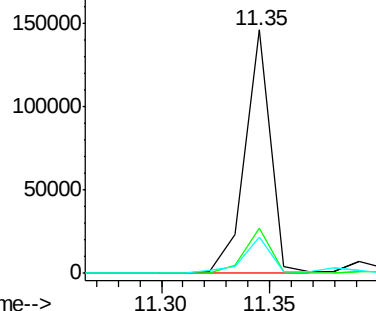
#71
 Anthracene
 Concen: 2.84 ng
 RT: 11.35 min Scan# 810
 Delta R.T. -0.10 min
 Lab File: BF082904.D
 Acq: 13 Nov 2015 18:30

Instrument :
 BNA_F
 ClientSampleId :
 PURGEWATER

Tgt Ion:178 Resp: 120441
 Ion Ratio Lower Upper
 178 100
 176 18.4 16.5 24.7
 179 14.7 13.2 19.8

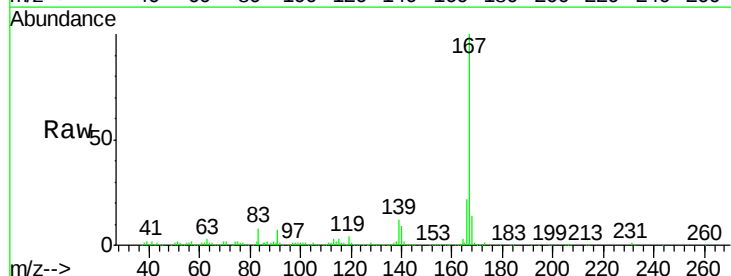


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

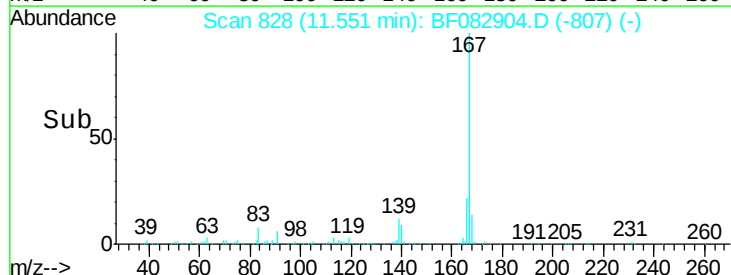
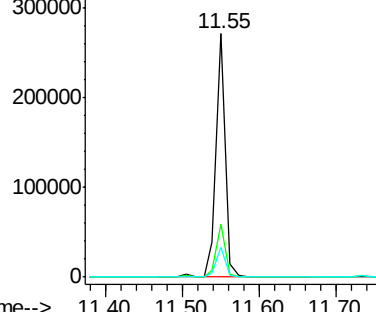


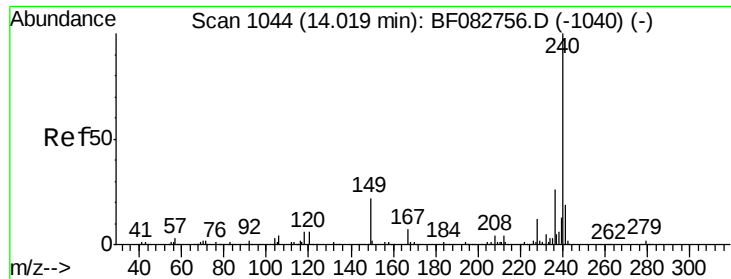
#72
 Carbazole
 Concen: 6.20 ng
 RT: 11.55 min Scan# 828
 Delta R.T. -0.06 min
 Lab File: BF082904.D
 Acq: 13 Nov 2015 18:30

Tgt Ion:167 Resp: 229951
 Ion Ratio Lower Upper
 167 100
 166 21.6 18.7 28.1
 139 12.3 11.8 17.6



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.07 min

Lab File: BF082904.D

Acq: 13 Nov 2015 18:30

Instrument :

BNA_F

ClientSampleId :

PURGEWATER

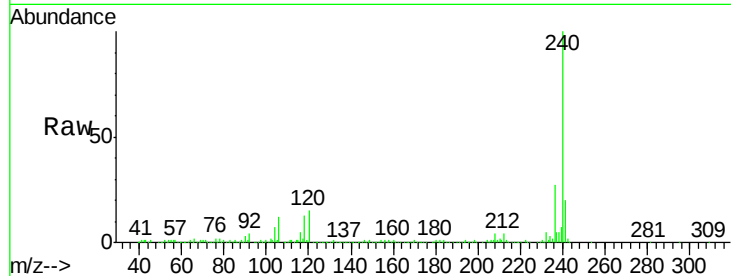
Tgt Ion:240 Resp: 531347

Ion Ratio Lower Upper

240 100

120 14.6 10.9 16.3

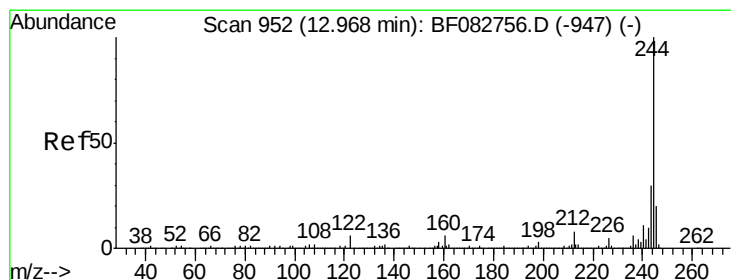
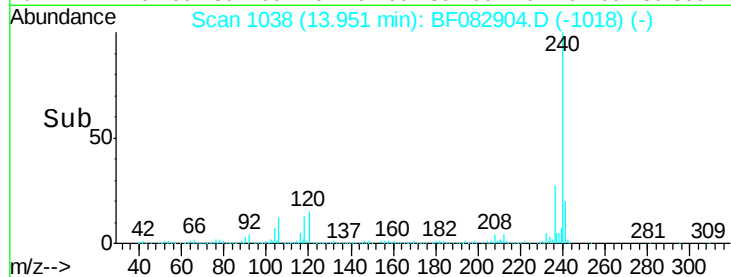
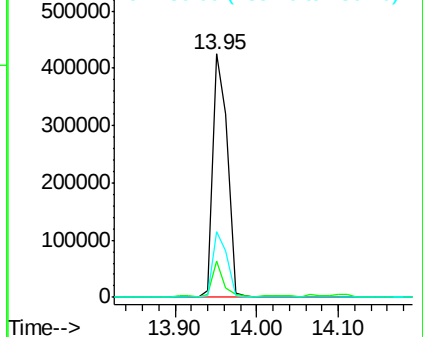
236 26.7 21.6 32.4



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



#78

Terphenyl-d14

Concen: 53.03 ng

RT: 12.91 min Scan# 947

Delta R.T. -0.06 min

Lab File: BF082904.D

Acq: 13 Nov 2015 18:30

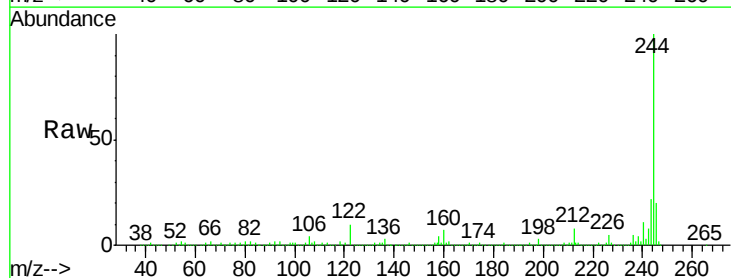
Tgt Ion:244 Resp: 1188085

Ion Ratio Lower Upper

244 100

212 7.9 7.6 11.4

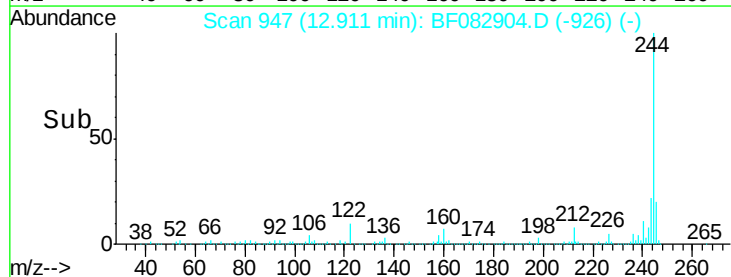
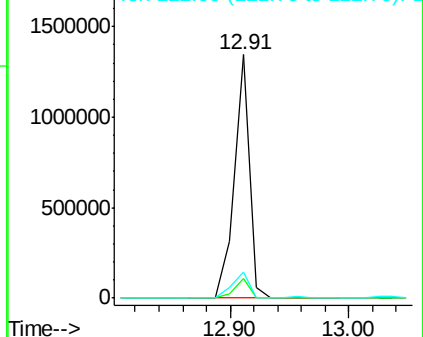
122 10.5 11.3 16.9#

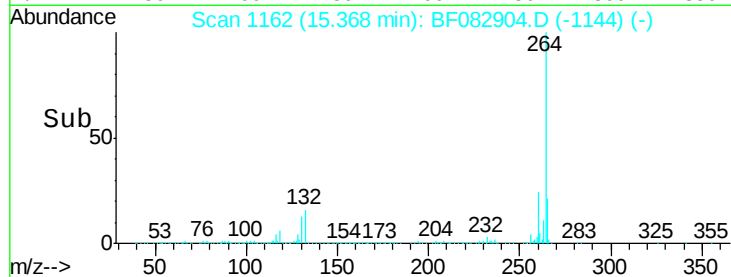
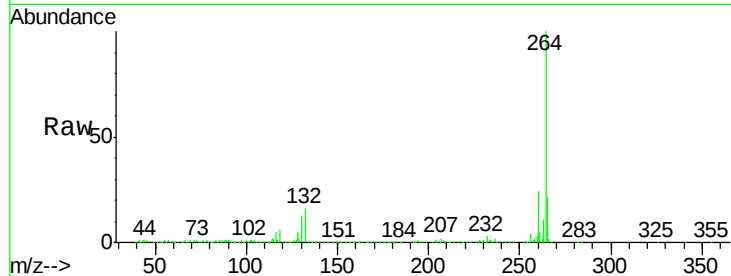
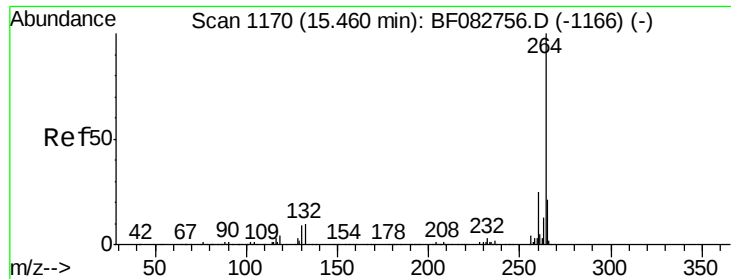


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.37 min Scan# 1162

Delta R.T. -0.09 min

Lab File: BF082904.D

Acq: 13 Nov 2015 18:30

Instrument :

BNA_F

ClientSampleId :

PURGEWATER

Tgt Ion: 264 Resp: 451956

Ion Ratio Lower Upper

264 100

260 23.5 19.8 29.6

265 21.4 17.4 26.0

