

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\  
 Data File : BF091883.D  
 Acq On : 22 Dec 2016 13:57  
 Operator : UM/SJ  
 Sample : H6200-04 20X  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WASTE-WATER-COMP

Quant Time: Dec 23 12:41:56 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 23 12:37:26 2016  
 Response via : Initial Calibration

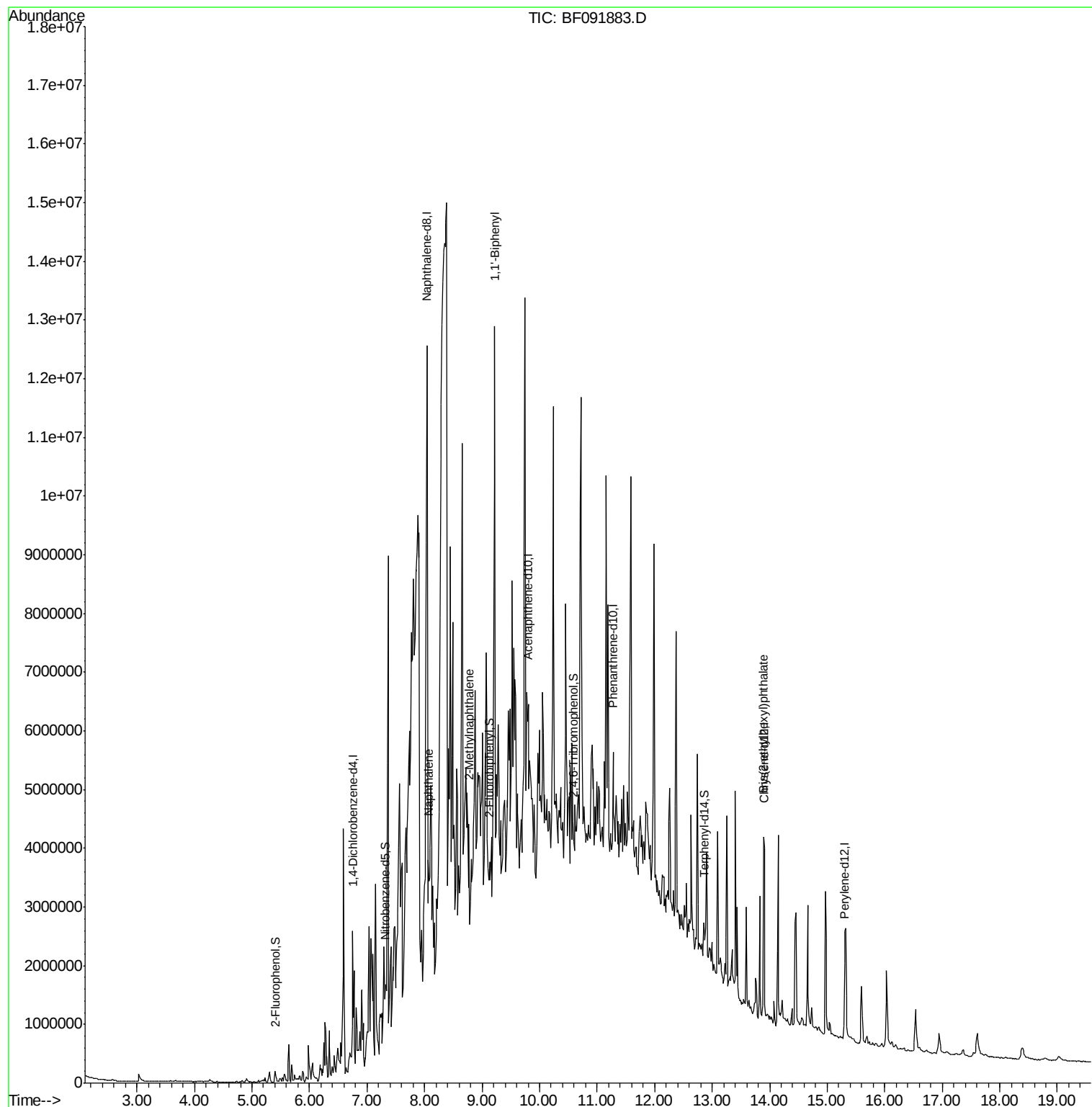
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)       |
|--------------------------------|-------|------|----------|-------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4      | 6.75  | 152  | 341144   | 20.00 | ng    | 0.00           |
| 21) Naphthalene-d8             | 8.04  | 136  | 865050   | 20.00 | ng    | 0.00           |
| 38) Acenaphthene-d10           | 9.80  | 164  | 537992   | 20.00 | ng    | 0.01           |
| 63) Phenanthrene-d10           | 11.28 | 188  | 786071   | 20.00 | ng    | 0.01           |
| 75) Chrysene-d12               | 13.91 | 240  | 516664   | 20.00 | ng    | 0.00           |
| 86) Perylene-d12               | 15.30 | 264  | 632923   | 20.00 | ng    | 0.00           |
| System Monitoring Compounds    |       |      |          |       |       |                |
| 5) 2-Fluorophenol              | 5.40  | 112  | 68779    | 3.37  | ng    | 0.06           |
| 7) Phenol-d6                   | 6.37  | 99   | 2503     | 0.10  | ng    | -0.03          |
| 23) Nitrobenzene-d5            | 7.32  | 82   | 170702   | 10.97 | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol       | 10.59 | 330  | 27224    | 6.11  | ng    | 0.01           |
| 44) 2-Fluorobiphenyl           | 9.13  | 172  | 177938   | 6.35  | ng    | 0.01           |
| 78) Terphenyl-d14              | 12.85 | 244  | 115279   | 5.41  | ng    | 0.00           |
| Target Compounds               |       |      |          |       |       |                |
| 31) Naphthalene                | 8.06  | 128  | 429614   | 10.85 | ng    | Qvalue<br># 89 |
| 37) 2-Methylnaphthalene        | 8.77  | 142  | 484269   | 16.23 | ng    | 98             |
| 45) 1,1'-Biphenyl              | 9.22  | 154  | 114505   | 3.11  | ng    | 89             |
| 83) Bis(2-ethylhexyl)phthalate | 13.89 | 149  | 878097   | 43.25 | ng    | 99             |

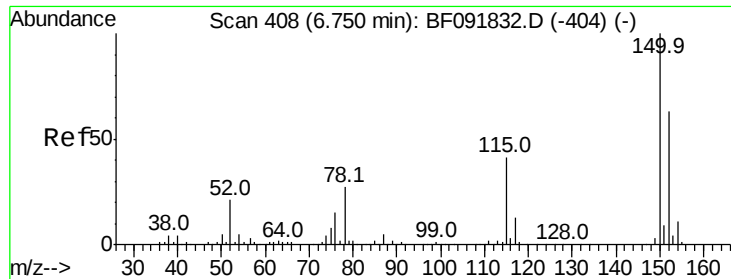
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 23 12:37:26 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF091883.D

Acq: 22 Dec 2016 13:57

Instrument :

BNA\_F

ClientSampleId :

WASTE-WATER-COMP

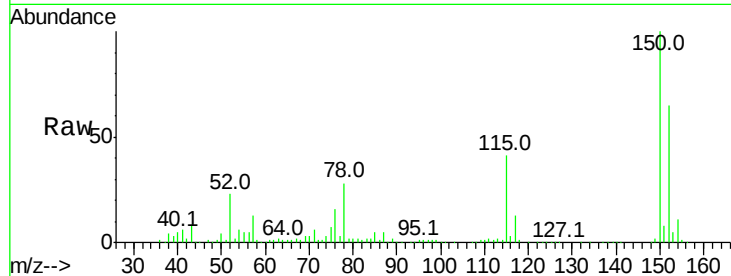
Tot Ion:152 Resp: 341144

Ion Ratio Lower Upper

152 100

150 154.1 124.9 187.3

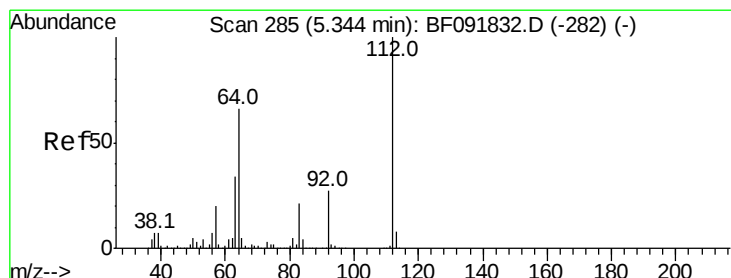
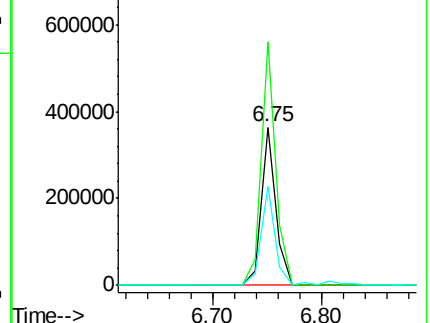
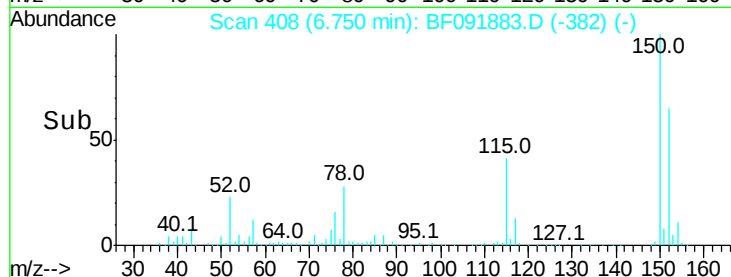
115 62.9 46.0 69.0



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: 3.37 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.06 min

Lab File: BF091883.D

Acq: 22 Dec 2016 13:57

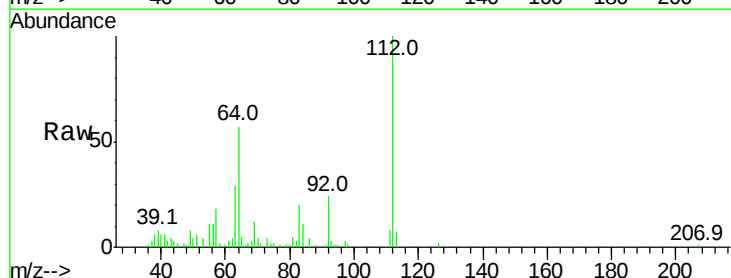
Tgt Ion:112 Resp: 68779

Ion Ratio Lower Upper

112 100

64 57.3 46.1 69.1

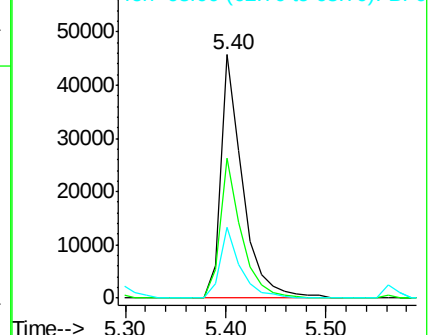
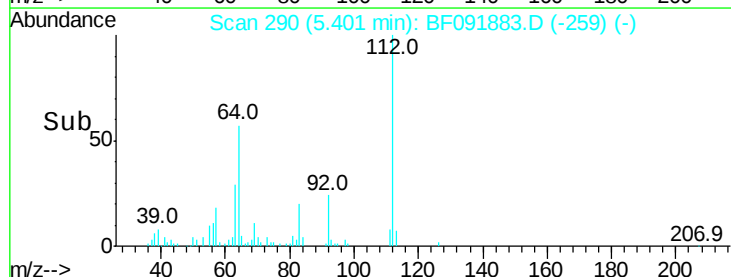
63 29.1 23.8 35.6

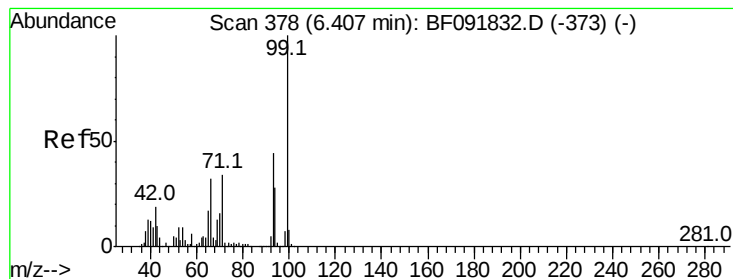


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 0.10 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.03 min

Lab File: BF091883.D

Acq: 22 Dec 2016 13:57

Instrument :

BNA\_F

ClientSampleId :

WASTE-WATER-COMP

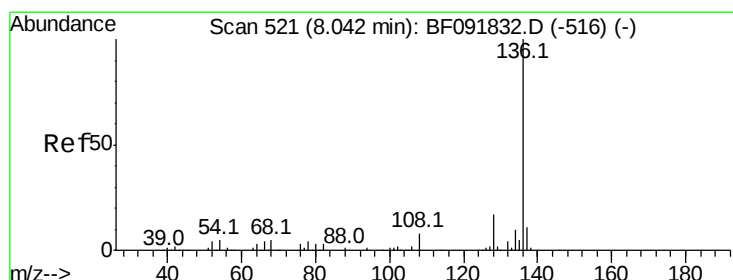
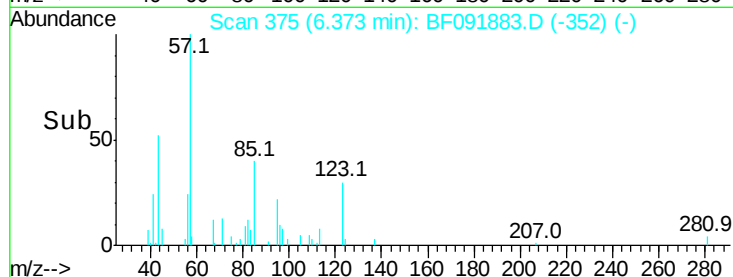
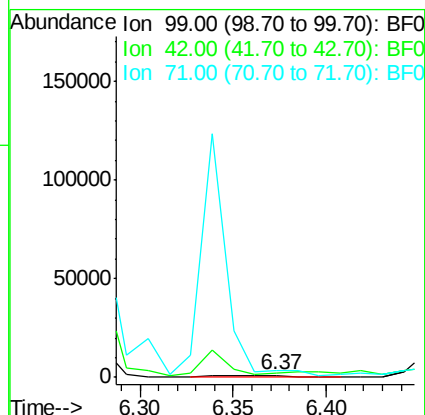
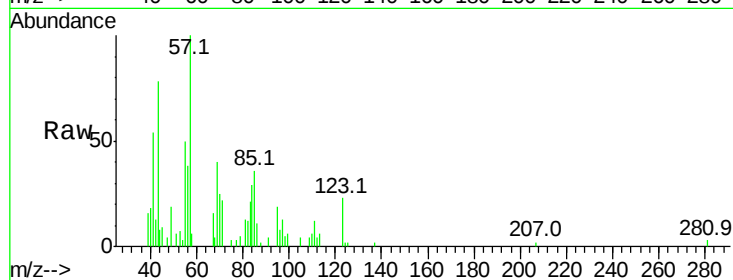
Tot Ion: 99 Resp: 2503

Ion Ratio Lower Upper

99 100

42 226.6 15.6 23.4#

71 370.6 27.5 41.3#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.00 min

Lab File: BF091883.D

Acq: 22 Dec 2016 13:57

Tgt Ion: 136 Resp: 865050

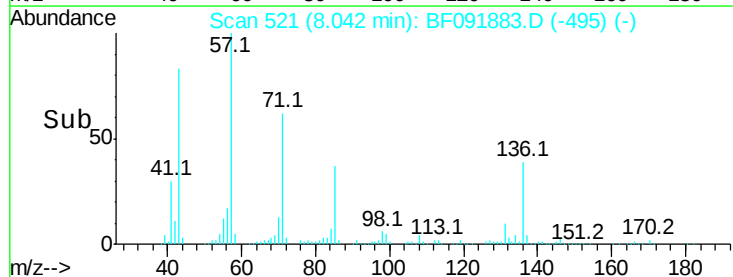
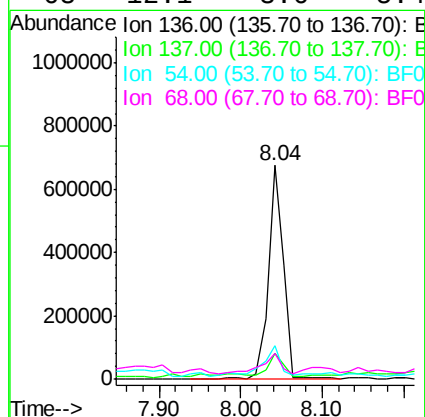
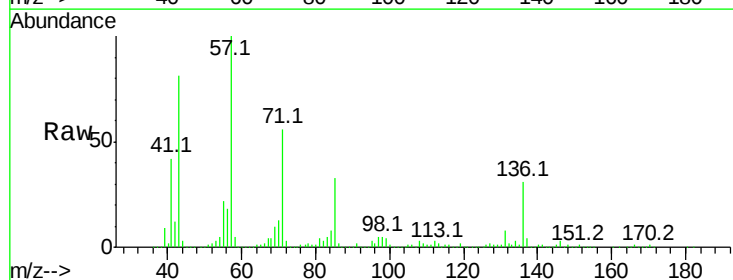
Ion Ratio Lower Upper

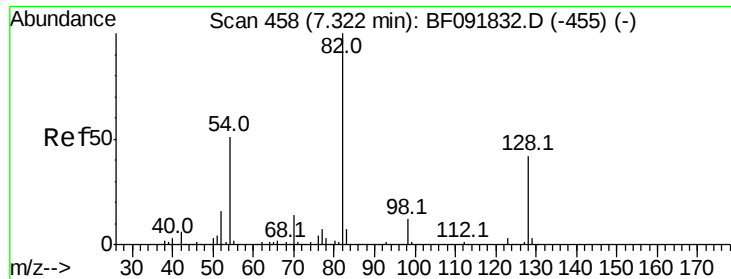
136 100

137 11.9 8.4 12.6

54 15.4 4.5 6.7#

68 12.1 3.6 5.4#

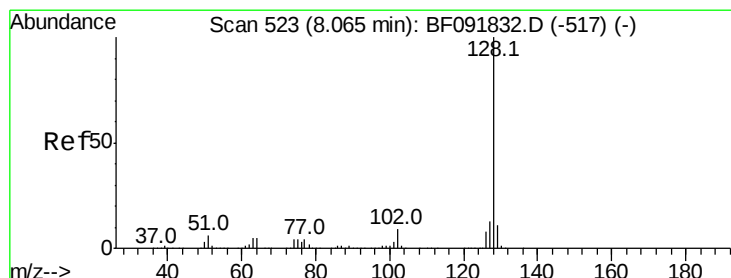
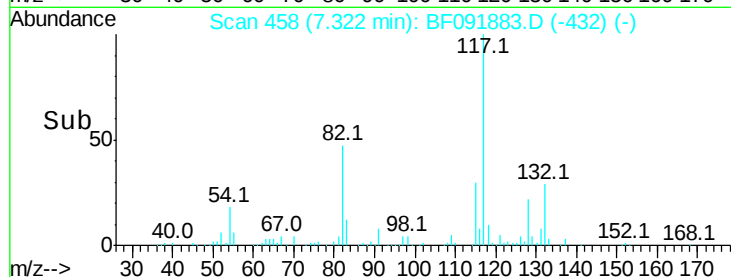
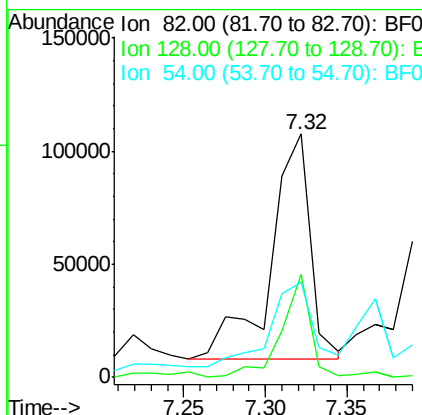
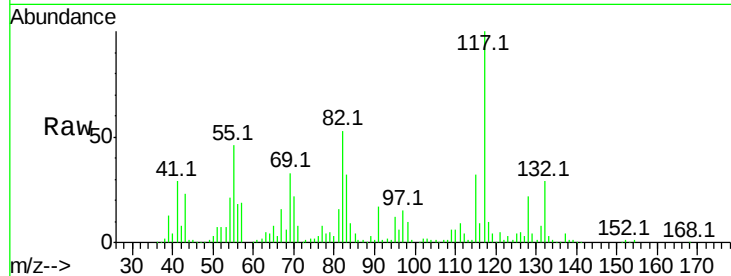




#23  
Nitrobenzene-d5  
Concen: 10.97 ng  
RT: 7.32 min Scan# 458  
Delta R.T. -0.00 min  
Lab File: BF091883.D  
Acq: 22 Dec 2016 13:57

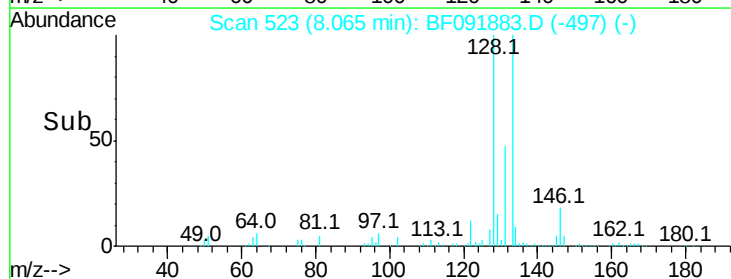
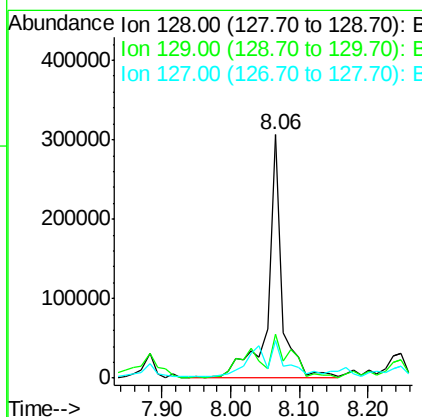
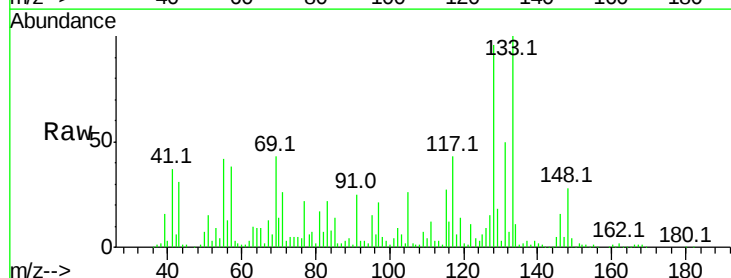
Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-WATER-COMP

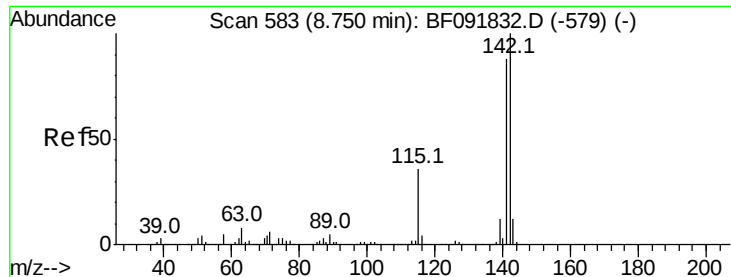
Tot Ion: 82 Resp: 170702  
Ion Ratio Lower Upper  
82 100  
128 42.2 34.6 52.0  
54 39.2 39.5 59.3#



#31  
Naphthalene  
Concen: 10.85 ng  
RT: 8.06 min Scan# 523  
Delta R.T. -0.00 min  
Lab File: BF091883.D  
Acq: 22 Dec 2016 13:57

Tgt Ion: 128 Resp: 429614  
Ion Ratio Lower Upper  
128 100  
129 18.3 9.5 14.3#  
127 15.7 10.8 16.2

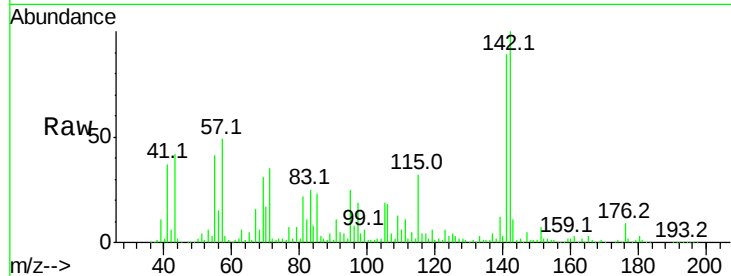




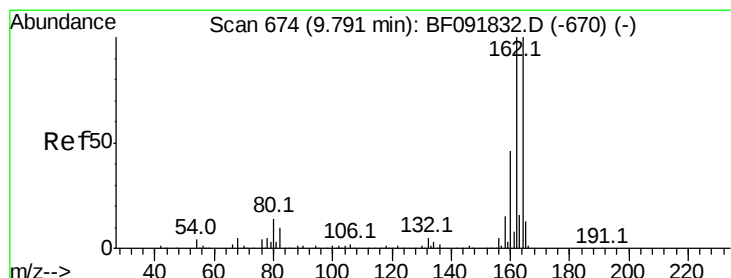
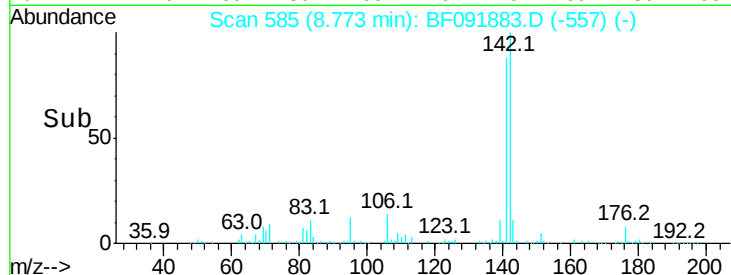
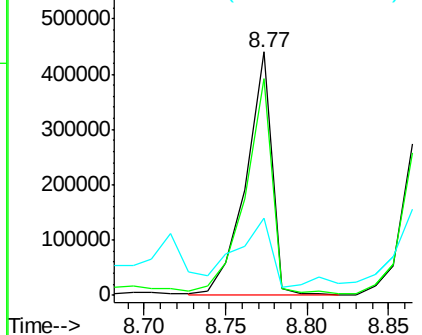
#37  
 2-Methylnaphthalene  
 Concen: 16.23 ng  
 RT: 8.77 min Scan# 585  
 Delta R.T. 0.02 min  
 Lab File: BF091883.D  
 Acq: 22 Dec 2016 13:57

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WASTE-WATER-COMP

Tot Ion:142 Resp: 484269  
 Ion Ratio Lower Upper  
 142 100  
 141 89.3 71.0 106.6  
 115 31.8 28.3 42.5

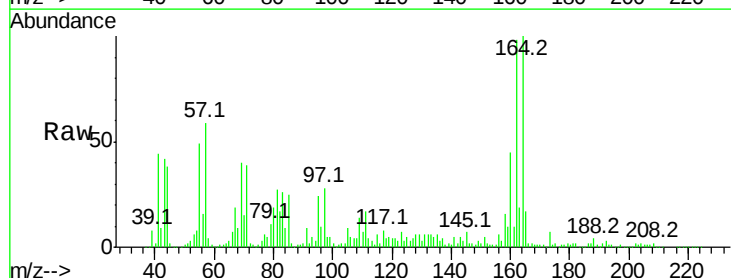


Abundance Ion 142.00 (141.70 to 142.70): E  
 Ion 141.00 (140.70 to 141.70): E  
 Ion 115.00 (114.70 to 115.70): E

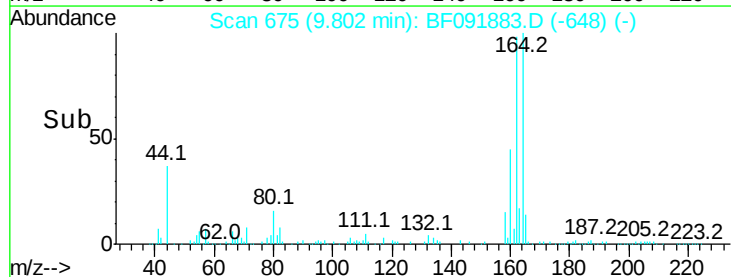
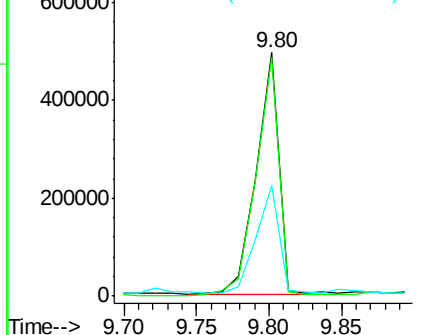


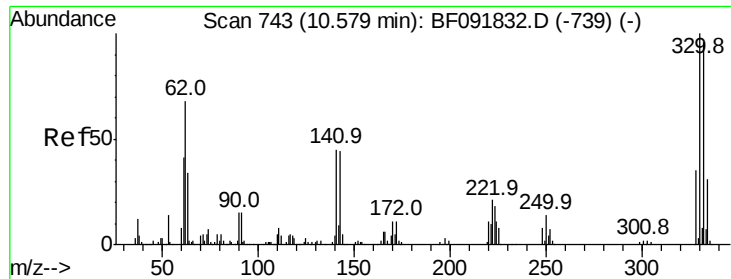
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.80 min Scan# 675  
 Delta R.T. 0.01 min  
 Lab File: BF091883.D  
 Acq: 22 Dec 2016 13:57

Tgt Ion:164 Resp: 537992  
 Ion Ratio Lower Upper  
 164 100  
 162 97.8 80.2 120.2  
 160 45.1 36.9 55.3



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

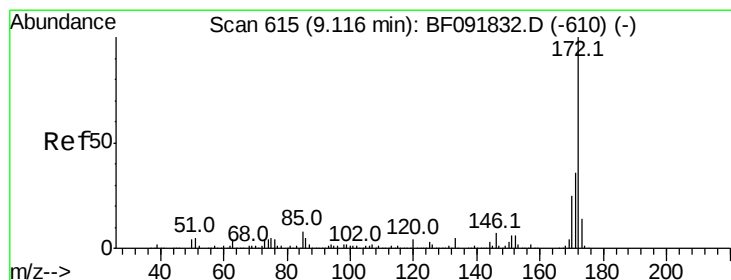
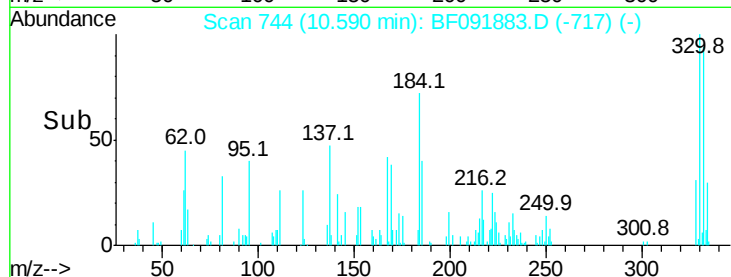
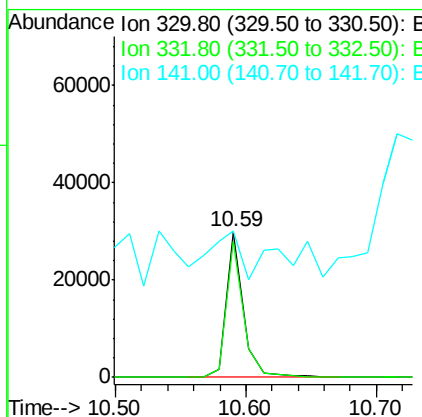
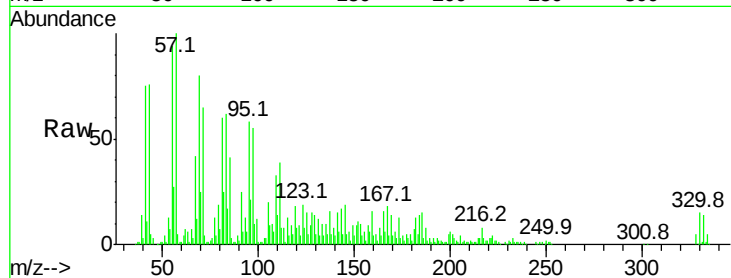




#41  
 2,4,6-Tribromophenol  
 Concen: 6.11 ng  
 RT: 10.59 min Scan# 744  
 Delta R.T. 0.01 min  
 Lab File: BF091883.D  
 Acq: 22 Dec 2016 13:57

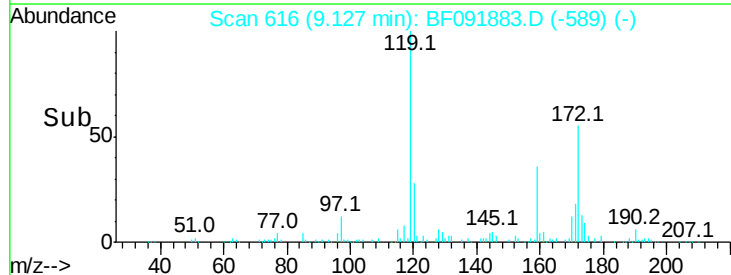
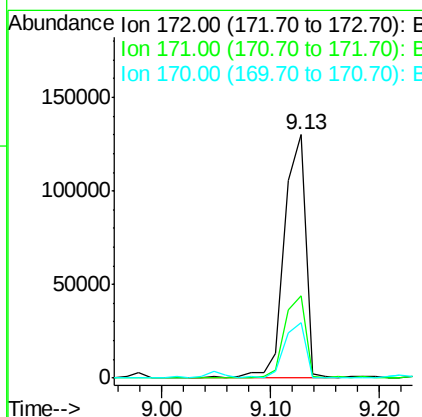
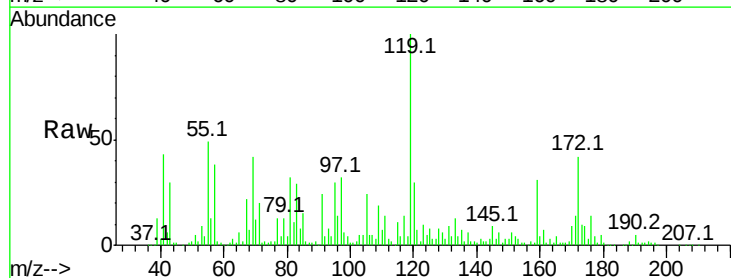
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WASTE-WATER-COMP

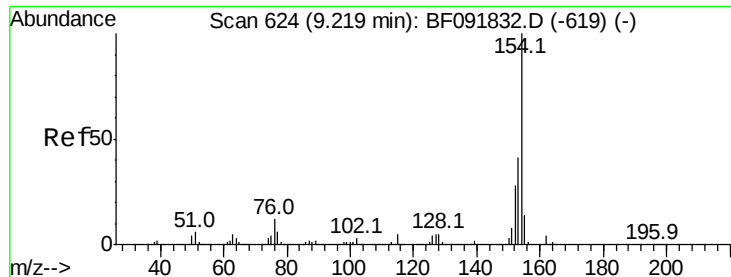
Tot Ion:330 Resp: 27224  
 Ion Ratio Lower Upper  
 330 100  
 332 93.8 77.4 116.2  
 141 57.5 34.1 51.1#



#44  
 2-Fluorobiphenyl  
 Concen: 6.35 ng  
 RT: 9.13 min Scan# 616  
 Delta R.T. 0.01 min  
 Lab File: BF091883.D  
 Acq: 22 Dec 2016 13:57

Tgt Ion:172 Resp: 177938  
 Ion Ratio Lower Upper  
 172 100  
 171 33.7 29.4 44.0  
 170 22.6 20.2 30.4





#45

1,1'-Biphenyl

Concen: 3.11 ng

RT: 9.22 min Scan# 624

Delta R.T. -0.00 min

Lab File: BF091883.D

Acq: 22 Dec 2016 13:57

Instrument :

BNA\_F

ClientSampleId :

WASTE-WATER-COMP

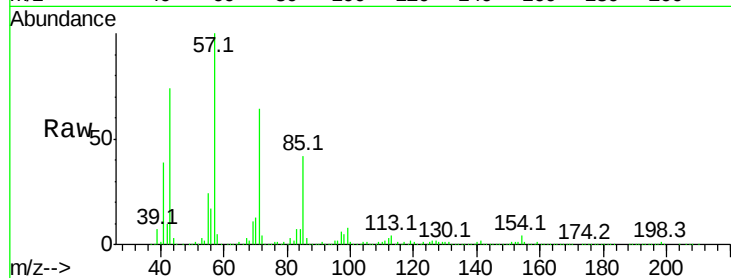
Tot Ion:154 Resp: 114505

Ion Ratio Lower Upper

154 100

153 33.9 20.9 60.9

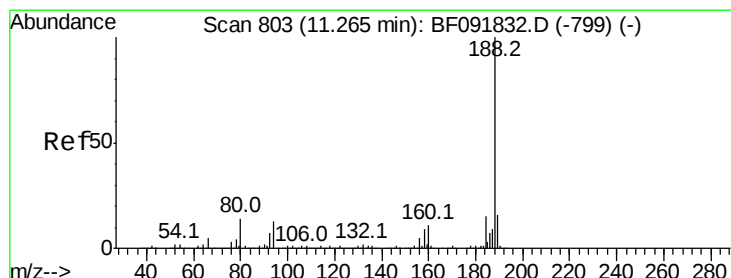
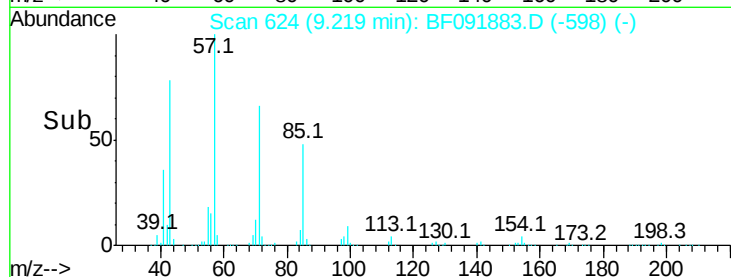
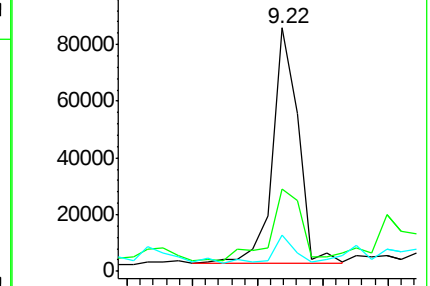
76 15.1 0.0 30.5



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.28 min Scan# 804

Delta R.T. 0.01 min

Lab File: BF091883.D

Acq: 22 Dec 2016 13:57

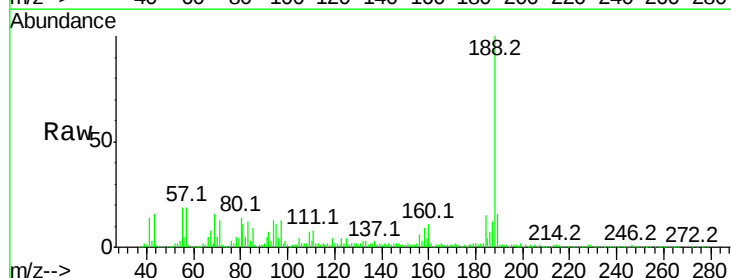
Tgt Ion:188 Resp: 786071

Ion Ratio Lower Upper

188 100

94 12.6 10.0 15.0

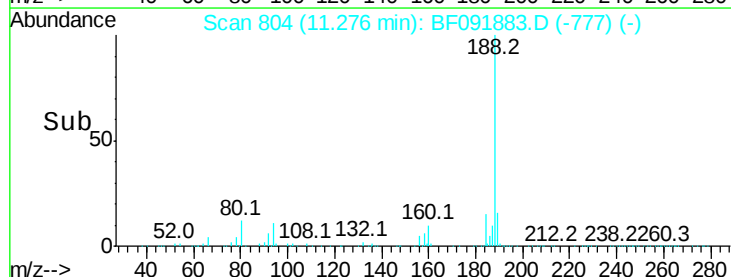
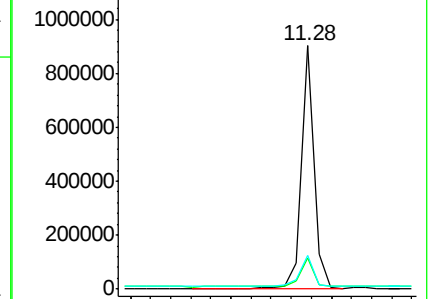
80 13.7 11.2 16.8

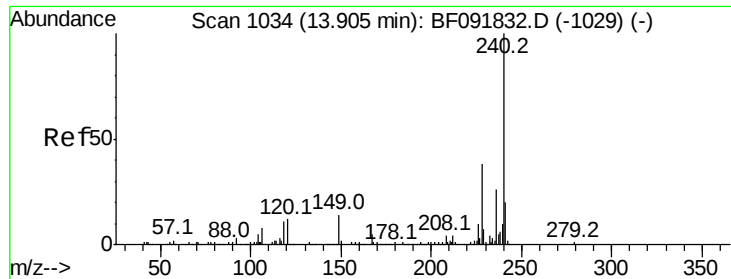


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BF091883.D

Acq: 22 Dec 2016 13:57

Instrument :

BNA\_F

ClientSampleId :

WASTE-WATER-COMP

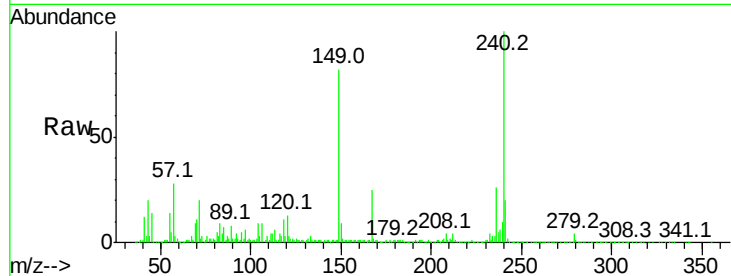
Tot Ion:240 Resp: 516664

Ion Ratio Lower Upper

240 100

120 13.5 12.9 19.3

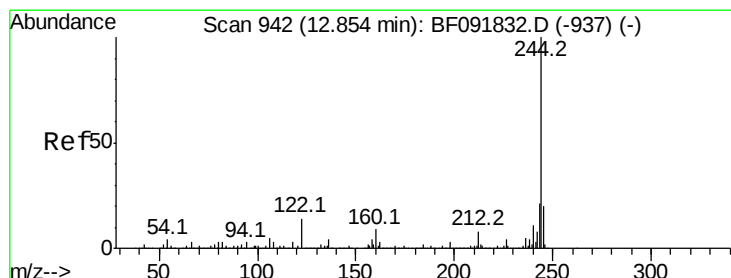
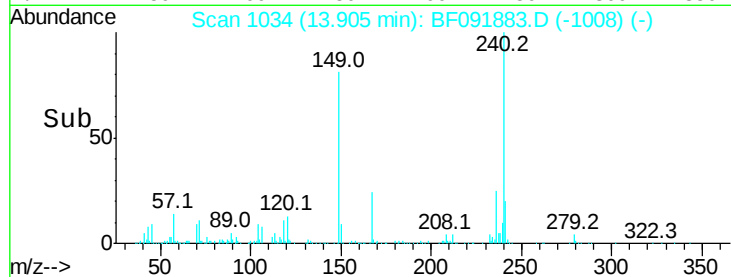
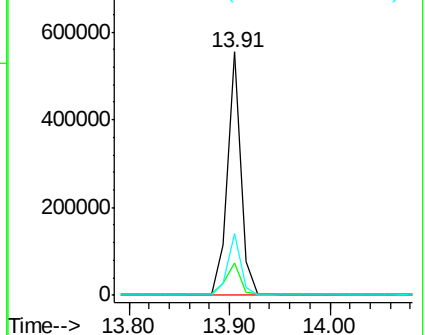
236 25.6 20.9 31.3



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



#78

Terphenyl-d14

Concen: 5.41 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF091883.D

Acq: 22 Dec 2016 13:57

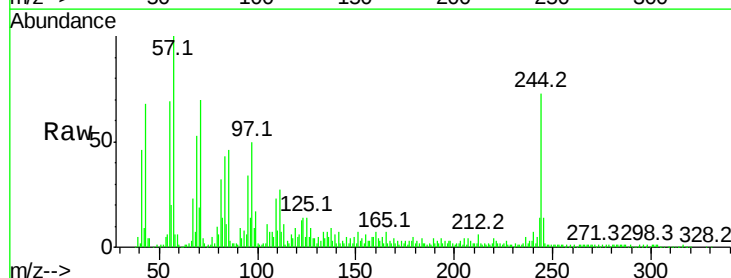
Tgt Ion:244 Resp: 115279

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

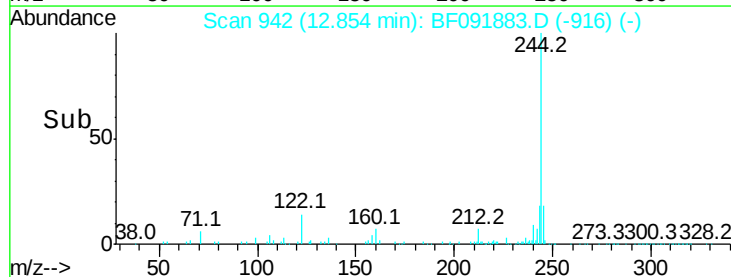
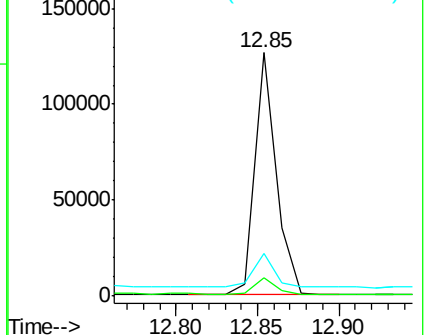
122 17.8 11.4 17.2#

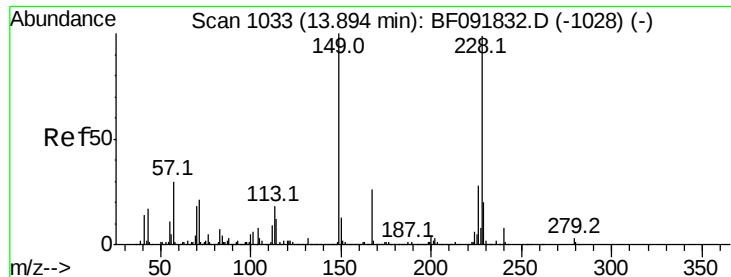


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

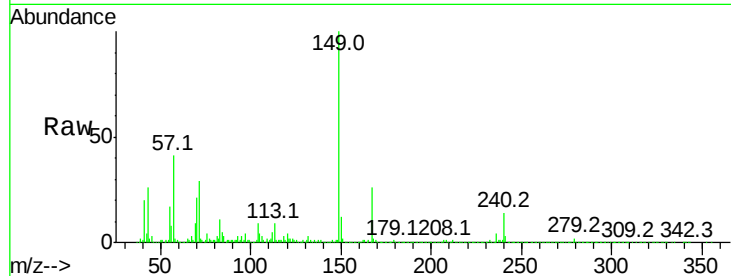




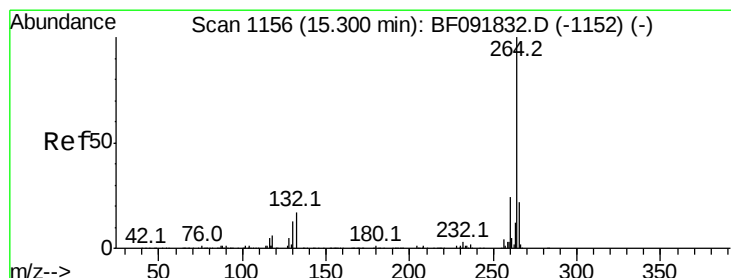
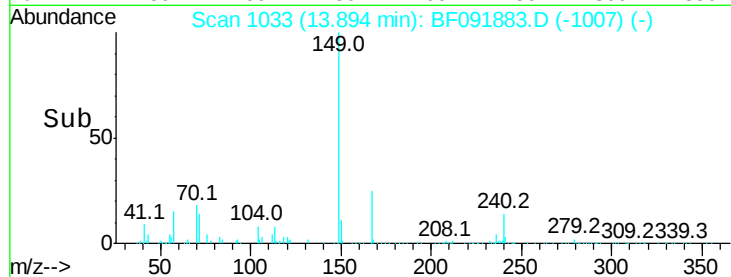
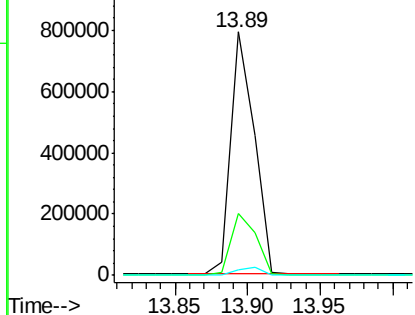
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 43.25 ng  
 RT: 13.89 min Scan# 1033  
 Delta R.T. -0.00 min  
 Lab File: BF091883.D  
 Acq: 22 Dec 2016 13:57

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WASTE-WATER-COMP

Tot Ion:149 Resp: 878097  
 Ion Ratio Lower Upper  
 149 100  
 167 25.6 20.2 30.4  
 279 2.1 1.8 2.8

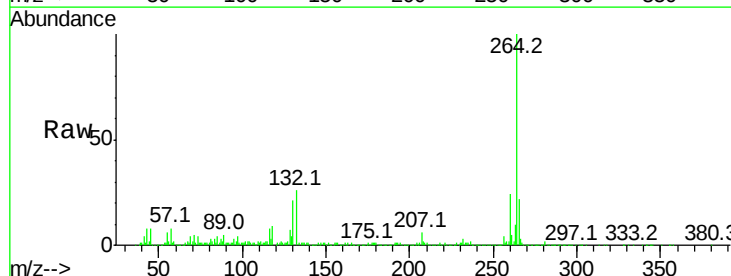


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.30 min Scan# 1156  
 Delta R.T. -0.00 min  
 Lab File: BF091883.D  
 Acq: 22 Dec 2016 13:57

Tgt Ion:264 Resp: 632923  
 Ion Ratio Lower Upper  
 264 100  
 260 23.8 19.2 28.8  
 265 22.0 17.4 26.0



Abundance Ion 264.00 (263.70 to 264.70): E  
 Ion 260.00 (259.70 to 260.70): E  
 Ion 265.00 (264.70 to 265.70): E

