

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020117\  
 Data File : BF092733.D  
 Acq On : 2 Feb 2017 5:48  
 Operator : SJ/MA  
 Sample : I1615-10  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SS-10

Quant Time: Feb 02 06:33:51 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 30 14:50:05 2017  
 Response via : Initial Calibration

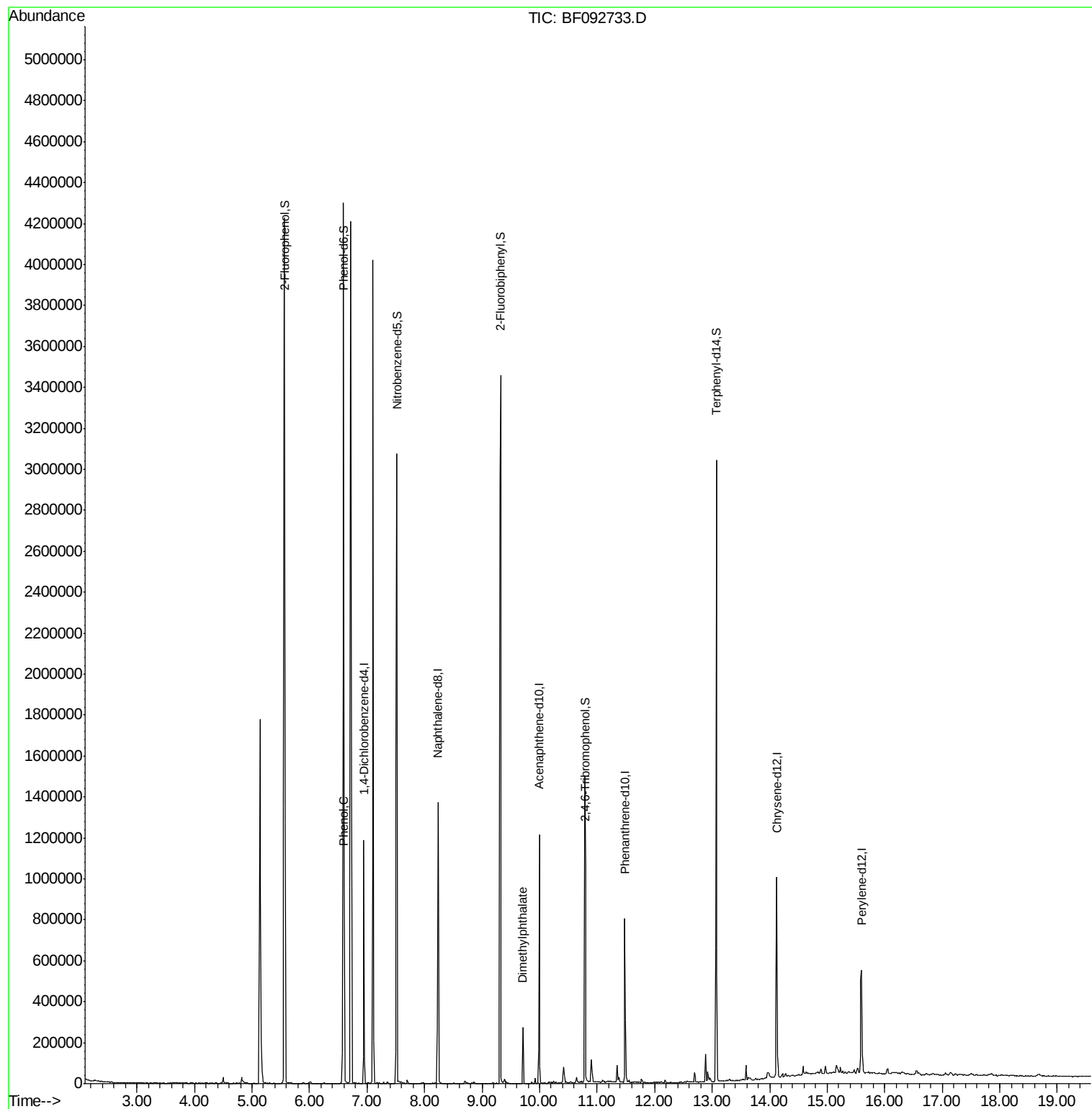
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.94  | 152  | 158202   | 20.00  | ng    | -0.02       |
| 21) Naphthalene-d8          | 8.24  | 136  | 585834   | 20.00  | ng    | -0.02       |
| 38) Acenaphthene-d10        | 10.00 | 164  | 241871   | 20.00  | ng    | -0.01       |
| 63) Phenanthrene-d10        | 11.48 | 188  | 321245   | 20.00  | ng    | -0.01       |
| 75) Chrysene-d12            | 14.12 | 240  | 320681   | 20.00  | ng    | -0.02       |
| 86) Perylene-d12            | 15.60 | 264  | 271600   | 20.00  | ng    | -0.01       |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.56  | 112  | 1325482  | 143.74 | ng    | -0.01       |
| 7) Phenol-d6                | 6.59  | 99   | 1613451  | 135.99 | ng    | -0.01       |
| 23) Nitrobenzene-d5         | 7.52  | 82   | 1126098  | 107.04 | ng    | -0.02       |
| 41) 2,4,6-Tribromophenol    | 10.80 | 330  | 237654   | 135.85 | ng    | -0.01       |
| 44) 2-Fluorobiphenyl        | 9.32  | 172  | 1600697  | 119.90 | ng    | -0.01       |
| 78) Terphenyl-d14           | 13.07 | 244  | 939684   | 68.85  | ng    | -0.01       |
| Target Compounds            |       |      |          |        |       |             |
| 10) Phenol                  | 6.60  | 94   | 161649   | 11.64  | ng    | Qvalue # 70 |
| 49) Dimethylphthalate       | 9.71  | 163  | 107925   | 6.62   | ng    | 99          |

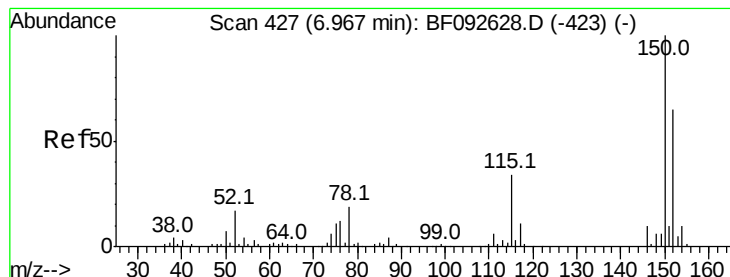
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SS-10

Quant Time: Feb 02 06:33:51 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jan 30 14:50:05 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.94 min Scan# 425

Delta R.T. -0.02 min

Lab File: BF092733.D

Acq: 2 Feb 2017 5:48

Instrument :

BNA\_F

ClientSampleId :

SS-10

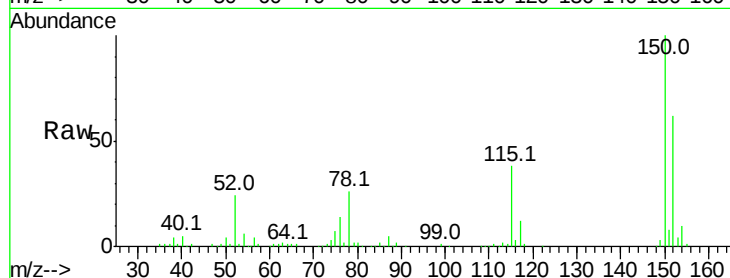
Tot Ion:152 Resp: 158202

Ion Ratio Lower Upper

152 100

150 160.6 124.9 187.3

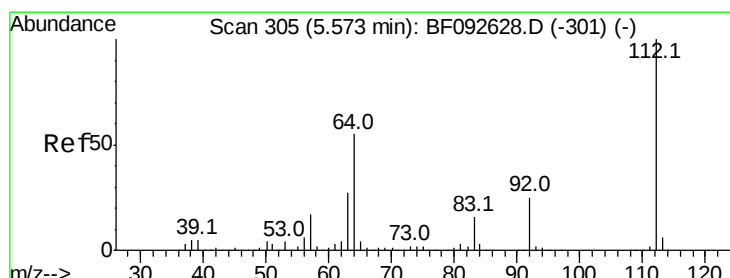
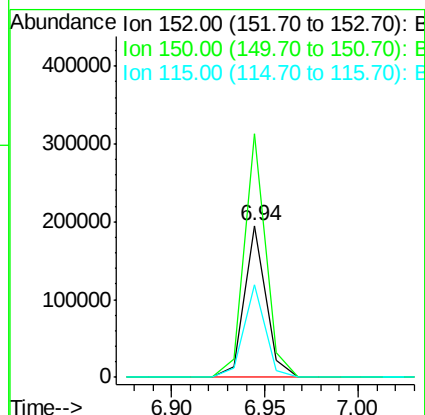
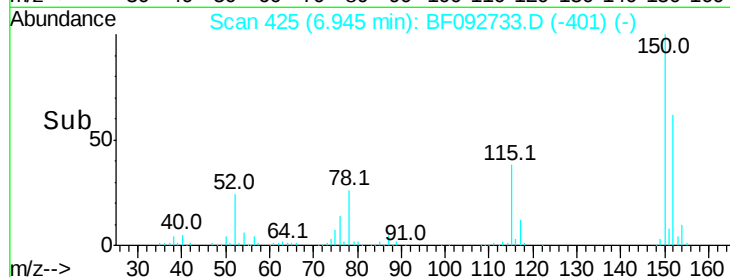
115 60.9 46.0 69.0



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: 143.74 ng

RT: 5.56 min Scan# 304

Delta R.T. -0.01 min

Lab File: BF092733.D

Acq: 2 Feb 2017 5:48

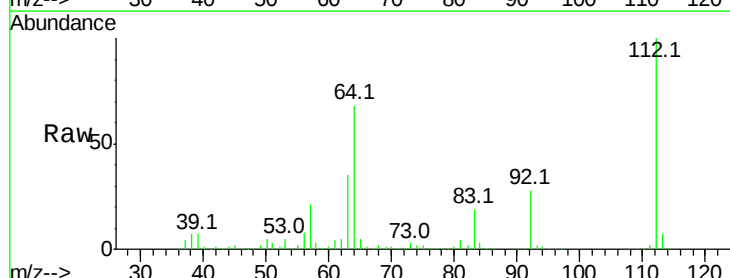
Tgt Ion:112 Resp: 1325482

Ion Ratio Lower Upper

112 100

64 68.1 46.1 69.1

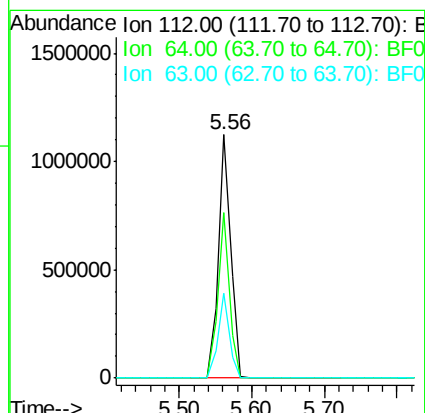
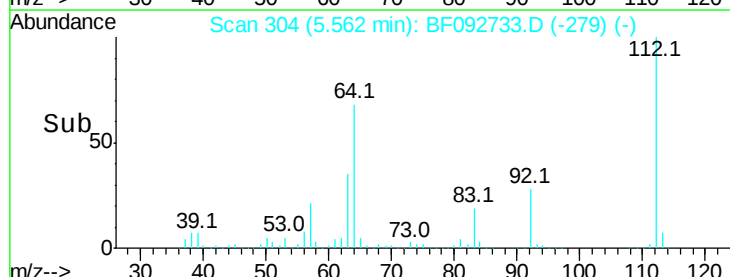
63 34.8 23.8 35.6

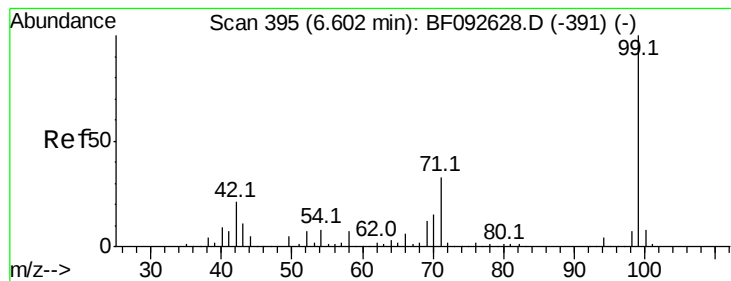


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 135.99 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.01 min

Lab File: BF092733.D

Acq: 2 Feb 2017 5:48

Instrument :

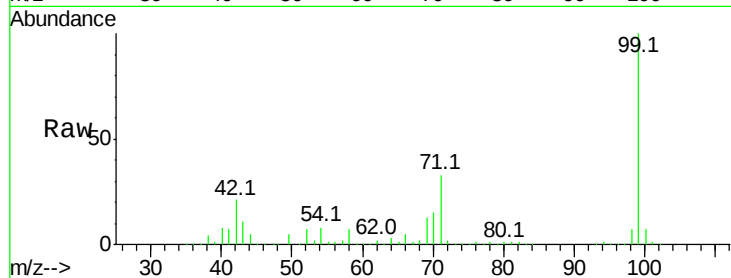
BNA\_F

ClientSampleId :

SS-10

Tot Ion: 99 Resp: 1613451

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 20.9  | 15.6  | 23.4  |
| 71  | 33.2  | 27.5  | 41.3  |

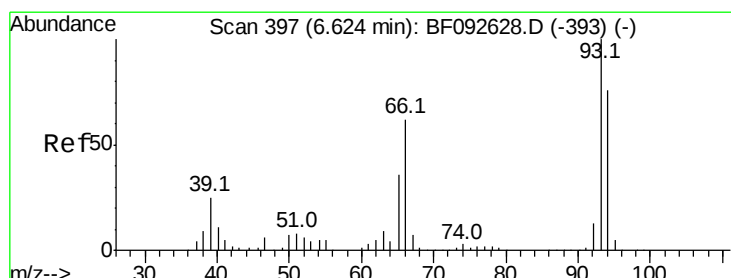
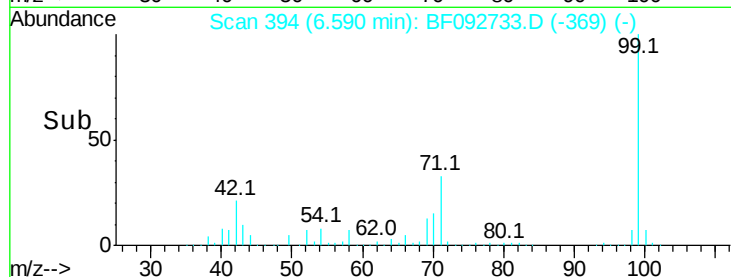


Abundance

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



#10

Phenol

Concen: 11.64 ng

RT: 6.60 min Scan# 395

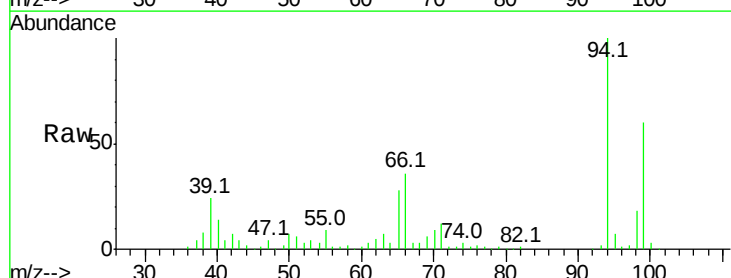
Delta R.T. -0.02 min

Lab File: BF092733.D

Acq: 2 Feb 2017 5:48

Tgt Ion: 94 Resp: 161649

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 27.8  | 21.4  | 61.4  |
| 66  | 36.1  | 44.0  | 84.0# |

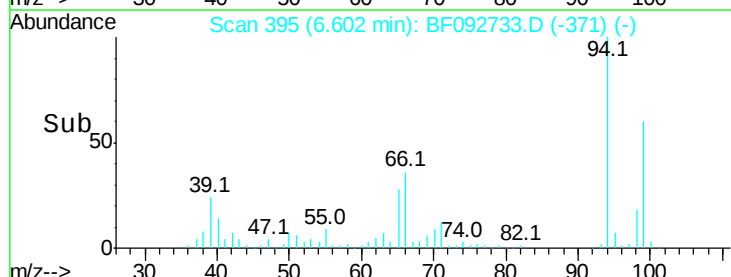


Abundance

Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

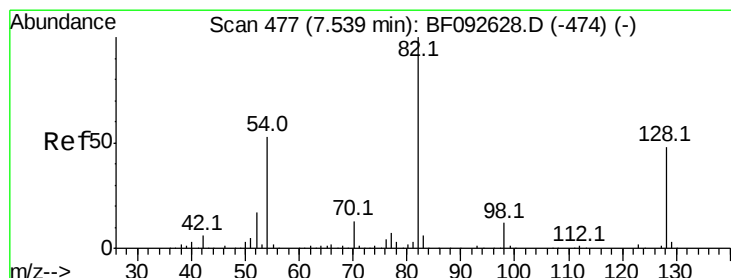
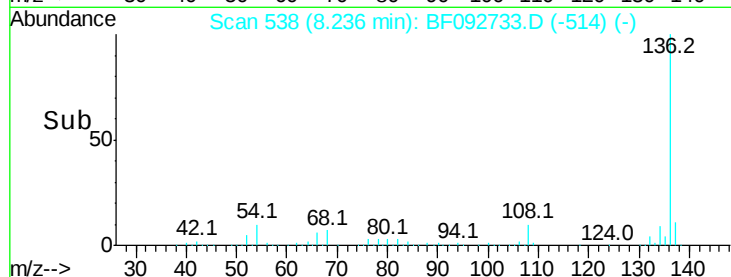
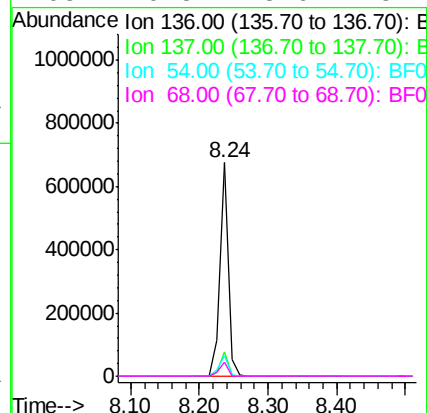
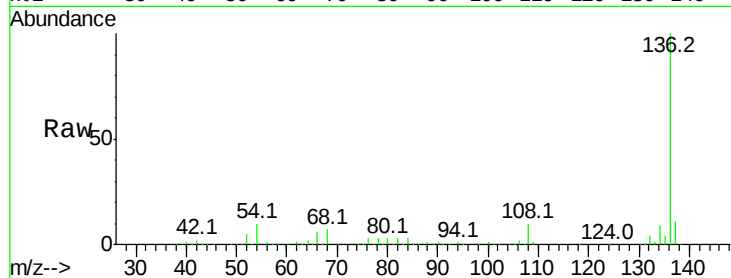




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.24 min Scan# 538  
Delta R.T. -0.02 min  
Lab File: BF092733.D  
Acq: 2 Feb 2017 5:48

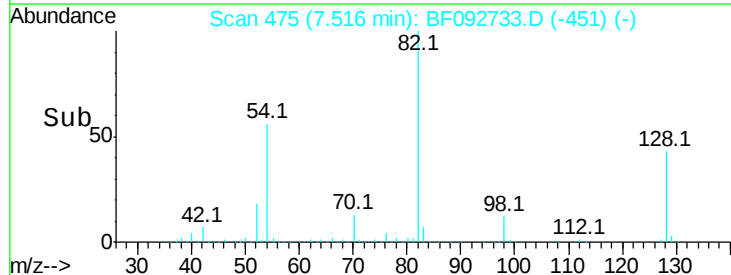
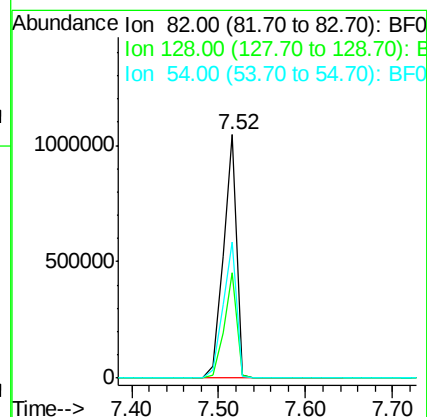
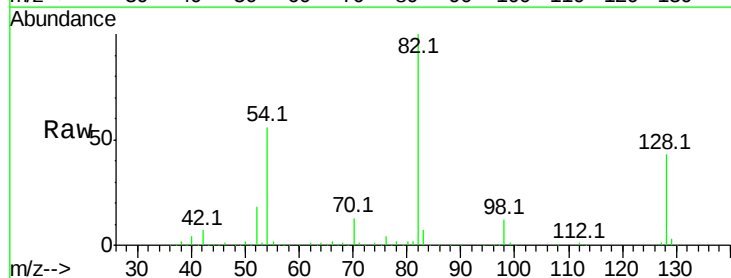
Instrument :  
BNA\_F  
ClientSampleId :  
SS-10

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 585834   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.3  | 8.4 12.6 |
| 54          | 9.6   | 4.5 6.7# |
| 68          | 6.8   | 3.6 5.4# |



#23  
Nitrobenzene-d5  
Concen: 107.04 ng  
RT: 7.52 min Scan# 475  
Delta R.T. -0.02 min  
Lab File: BF092733.D  
Acq: 2 Feb 2017 5:48

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 1126098   |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 43.4  | 34.6 52.0 |
| 54          | 56.0  | 39.5 59.3 |

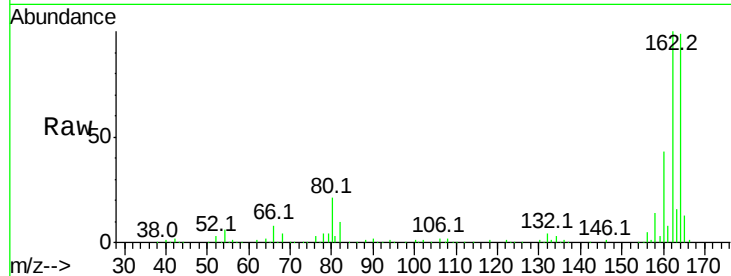




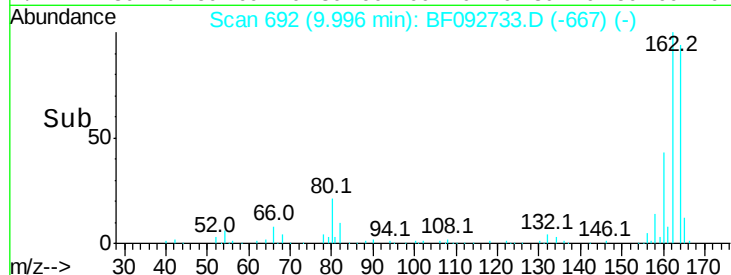
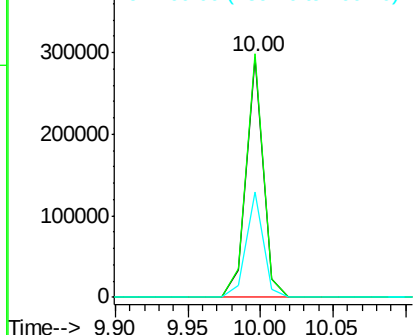
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.00 min Scan# 692  
 Delta R.T. -0.01 min  
 Lab File: BF092733.D  
 Acq: 2 Feb 2017 5:48

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SS-10

Tot Ion:164 Resp: 241871  
 Ion Ratio Lower Upper  
 164 100  
 162 101.3 80.2 120.2  
 160 43.9 36.9 55.3

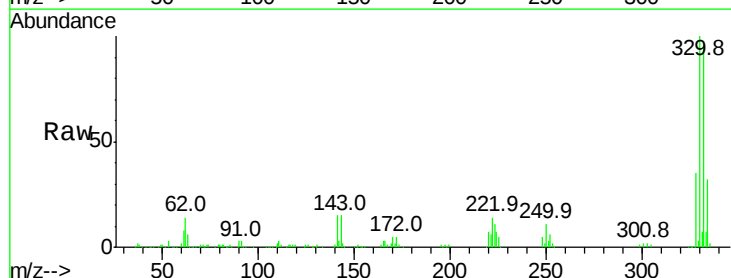


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

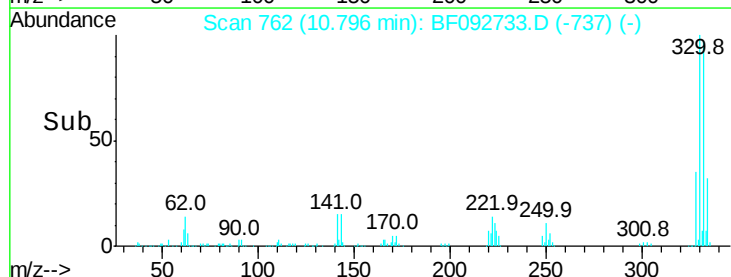
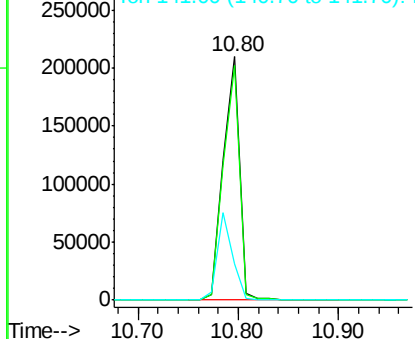


#41  
 2,4,6-Tribromophenol  
 Concen: 135.85 ng  
 RT: 10.80 min Scan# 762  
 Delta R.T. -0.01 min  
 Lab File: BF092733.D  
 Acq: 2 Feb 2017 5:48

Tgt Ion:330 Resp: 237654  
 Ion Ratio Lower Upper  
 330 100  
 332 96.4 77.4 116.2  
 141 33.6 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



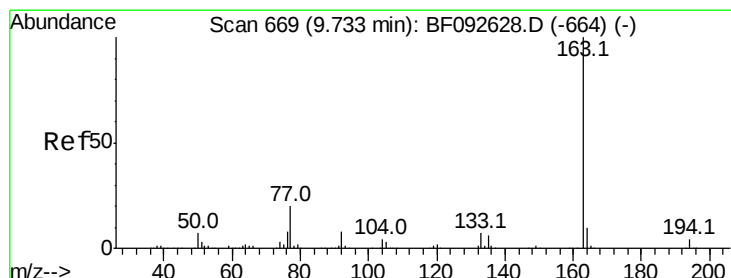
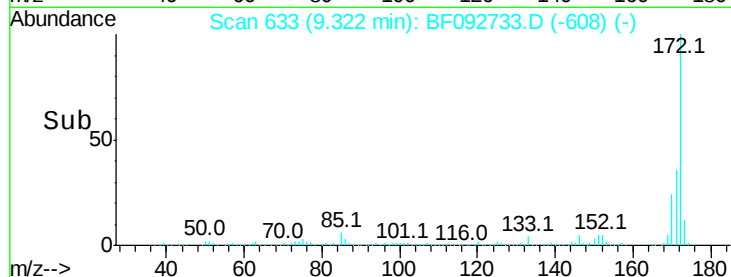
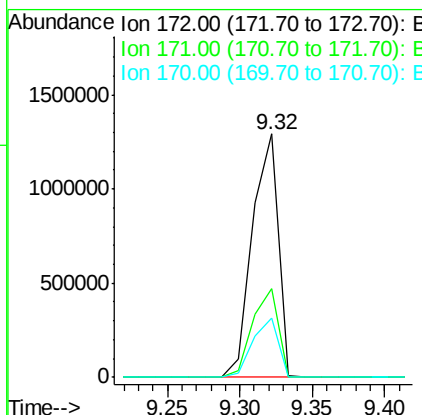
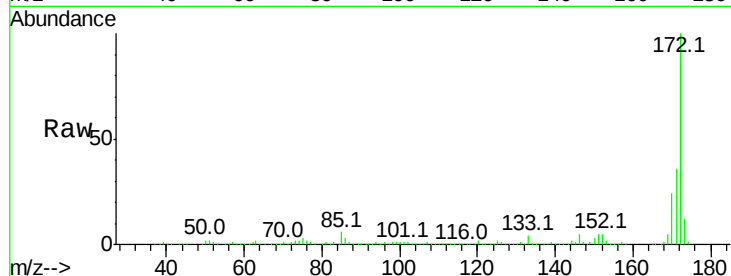


#44  
 2-Fluorobiphenyl  
 Concen: 119.90 ng  
 RT: 9.32 min Scan# 633  
 Delta R.T. -0.01 min  
 Lab File: BF092733.D  
 Acq: 2 Feb 2017 5:48

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SS-10

Tot Ion:172 Resp: 1600697  

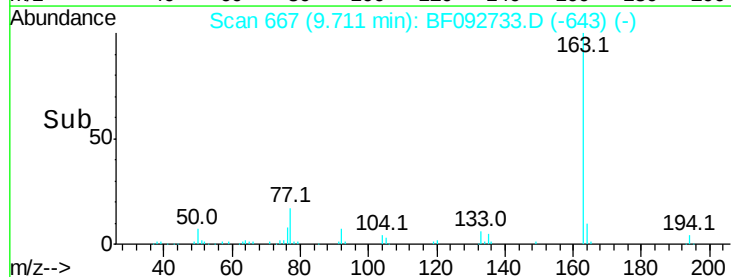
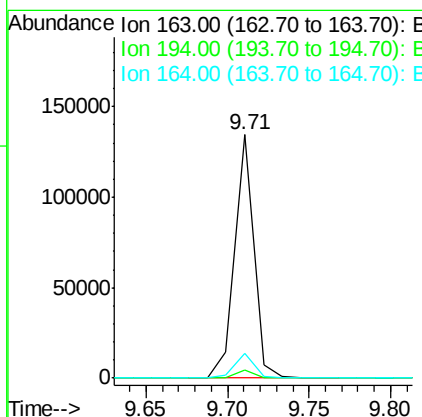
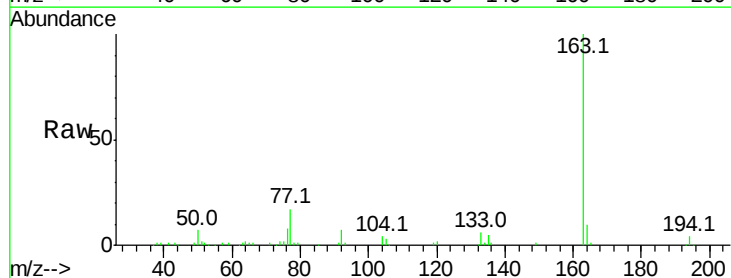
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.3  | 29.4  | 44.0  |
| 170 | 24.4  | 20.2  | 30.4  |



#49  
 Dimethylphthalate  
 Concen: 6.62 ng  
 RT: 9.71 min Scan# 667  
 Delta R.T. -0.02 min  
 Lab File: BF092733.D  
 Acq: 2 Feb 2017 5:48

Tgt Ion:163 Resp: 107925  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.5   | 3.0   | 4.4   |
| 164 | 10.3  | 8.0   | 12.0  |

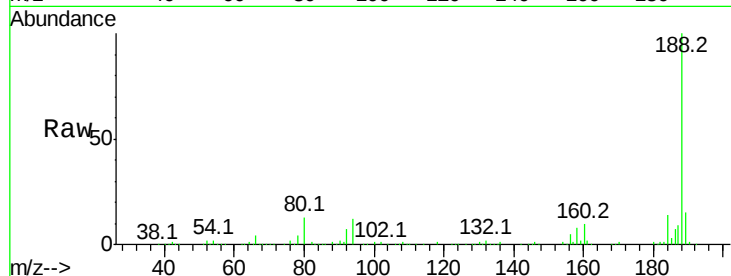




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.48 min Scan# 822  
Delta R.T. -0.01 min  
Lab File: BF092733.D  
Acq: 2 Feb 2017 5:48

Instrument :  
BNA\_F  
ClientSampleId :  
SS-10

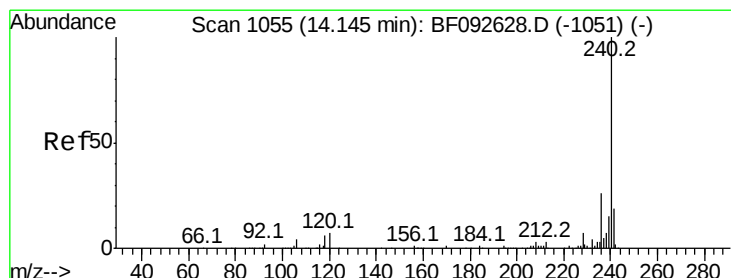
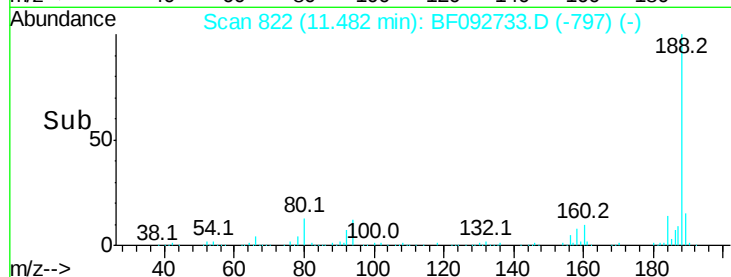
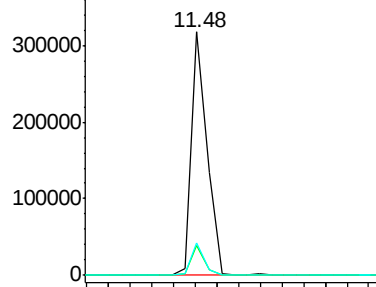
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 12.3  | 10.0  | 15.0  |
| 80      | 13.4  | 11.2  | 16.8  |



Abundance Ion 188.00 (187.70 to 188.70): E

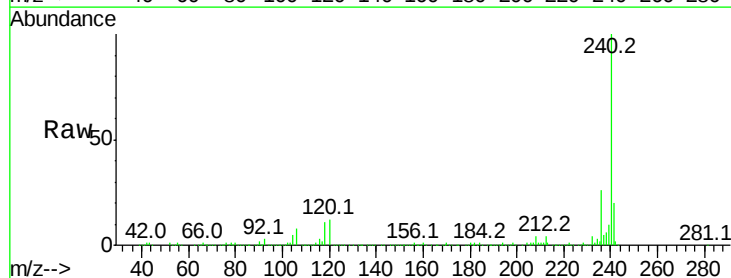
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.12 min Scan# 1053  
Delta R.T. -0.02 min  
Lab File: BF092733.D  
Acq: 2 Feb 2017 5:48

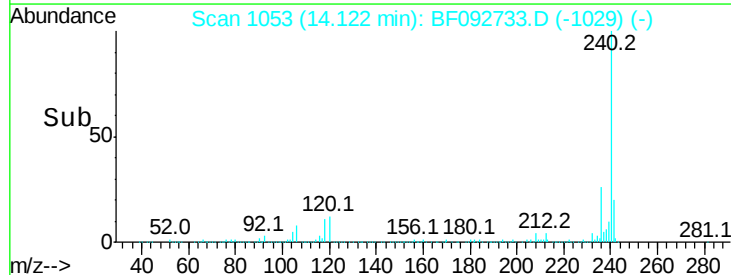
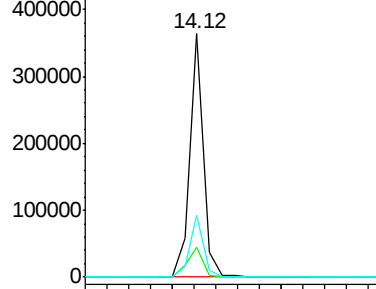
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 12.5  | 12.9  | 19.3# |
| 236     | 25.6  | 20.9  | 31.3  |

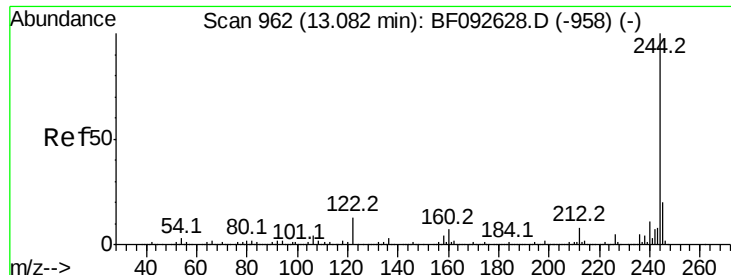


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

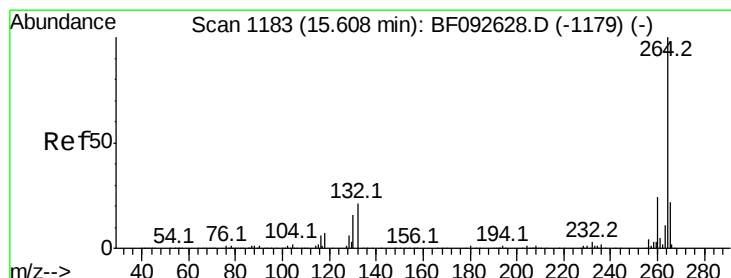
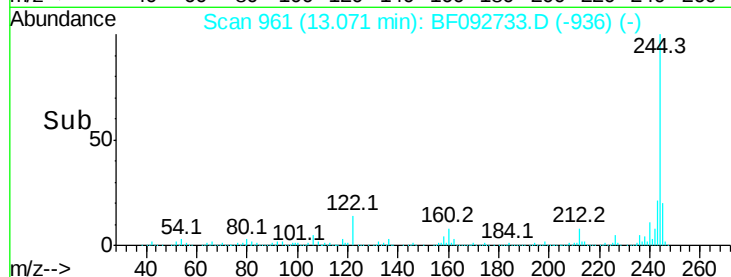
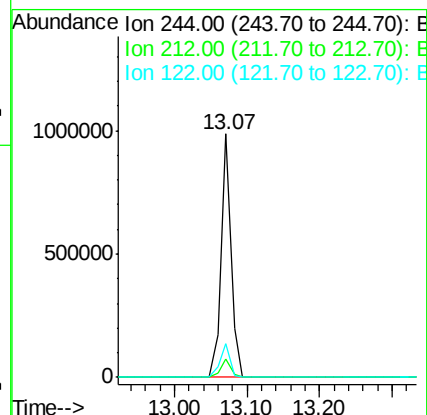
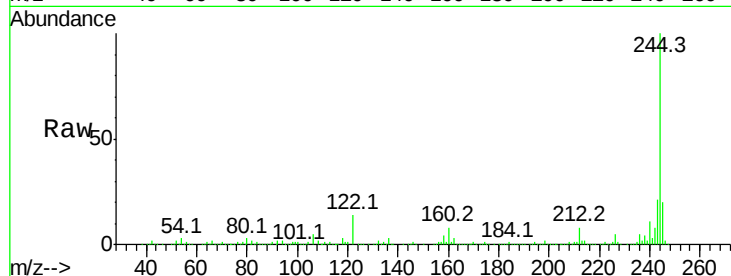




#78  
 Terphenyl-d14  
 Concen: 68.85 ng  
 RT: 13.07 min Scan# 961  
 Delta R.T. -0.01 min  
 Lab File: BF092733.D  
 Acq: 2 Feb 2017 5:48

Instrument :  
 BNA\_F  
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 SS-10

Tot Ion:244 Resp: 939684  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 6.2 9.2  
 122 13.8 11.4 17.2



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.60 min Scan# 1182  
 Delta R.T. -0.01 min  
 Lab File: BF092733.D  
 Acq: 2 Feb 2017 5:48

Tgt Ion:264 Resp: 271600  
 Ion Ratio Lower Upper  
 264 100  
 260 22.8 19.2 28.8  
 265 21.7 17.4 26.0

