

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080117\  
 Data File : BF097257.D  
 Acq On : 2 Aug 2017 6:32  
 Operator : SJ/JU  
 Sample : I4527-02 5X  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-HS7-NSW

Quant Time: Aug 02 07:14:32 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 25 14:11:51 2017  
 Response via : Initial Calibration

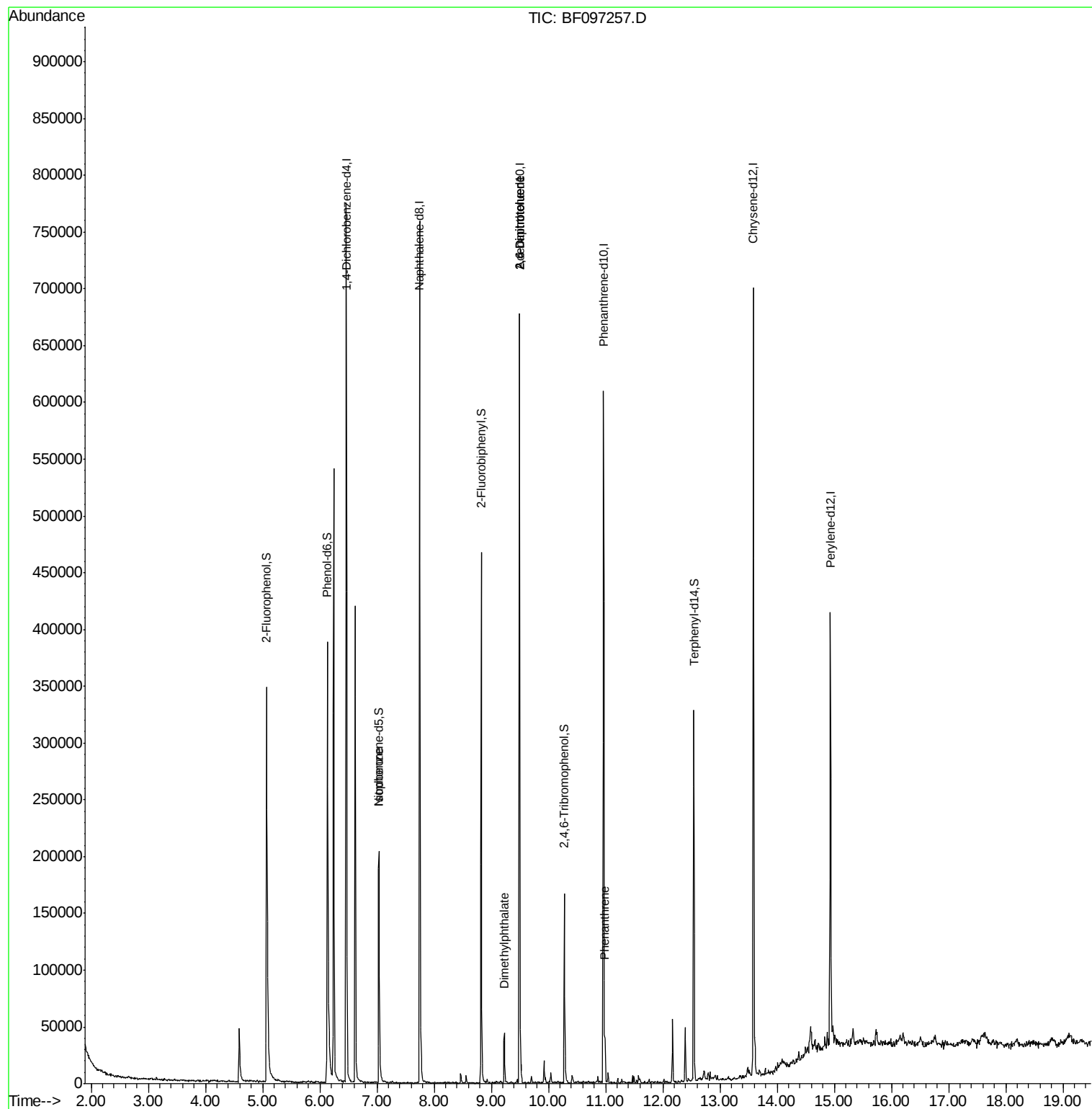
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.46  | 152  | 107592   | 20.00 | ng    | -0.04    |
| 21) Naphthalene-d8          | 7.75  | 136  | 321721   | 20.00 | ng    | -0.04    |
| 38) Acenaphthene-d10        | 9.49  | 164  | 129430   | 20.00 | ng    | -0.04    |
| 63) Phenanthrene-d10        | 10.96 | 188  | 205722   | 20.00 | ng    | -0.04    |
| 75) Chrysene-d12            | 13.59 | 240  | 217639   | 20.00 | ng    | -0.04    |
| 86) Perylene-d12            | 14.93 | 264  | 149106   | 20.00 | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.07  | 112  | 141991   | 19.89 | ng    | -0.03    |
| 7) Phenol-d6                | 6.13  | 99   | 157959   | 19.39 | ng    | -0.04    |
| 23) Nitrobenzene-d5         | 7.03  | 82   | 74407    | 13.57 | ng    | -0.04    |
| 41) 2,4,6-Tribromophenol    | 10.28 | 330  | 20511    | 20.06 | ng    | -0.04    |
| 44) 2-Fluorobiphenyl        | 8.82  | 172  | 134623   | 17.65 | ng    | -0.05    |
| 78) Terphenyl-d14           | 12.54 | 244  | 96584    | 9.05  | ng    | -0.04    |
| Target Compounds            |       |      |          |       |       |          |
| 25) Isophorone              | 7.03  | 82   | 74406    | 6.93  | ng    | # 67     |
| 49) Dimethylphthalate       | 9.23  | 163  | 20134    | 2.05  | ng    | 99       |
| 50) 2,6-Dinitrotoluene      | 9.49  | 165  | 15968    | 7.66  | ng    | # 31     |
| 56) 2,4-Dinitrotoluene      | 9.49  | 165  | 15968    | 6.66  | ng    | # 31     |
| 70) Phenanthrene            | 10.99 | 178  | 24270    | 2.20  | ng    | # 94     |

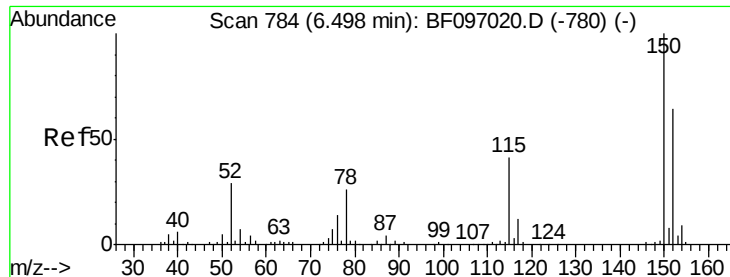
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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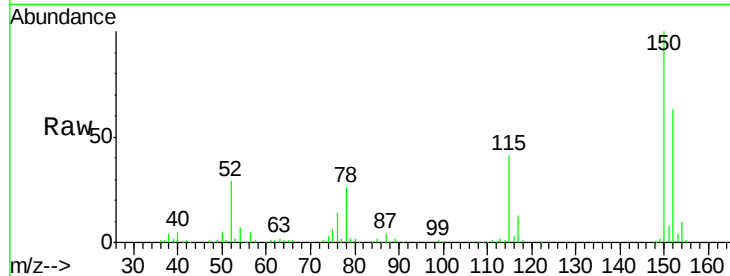


#1

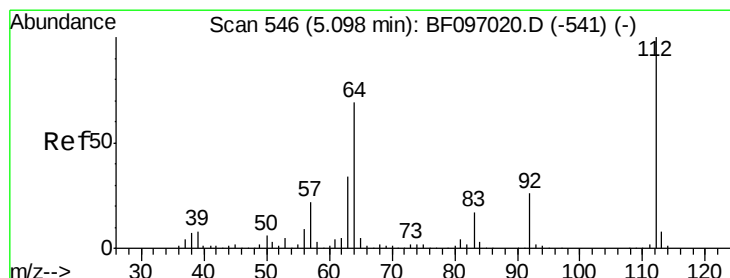
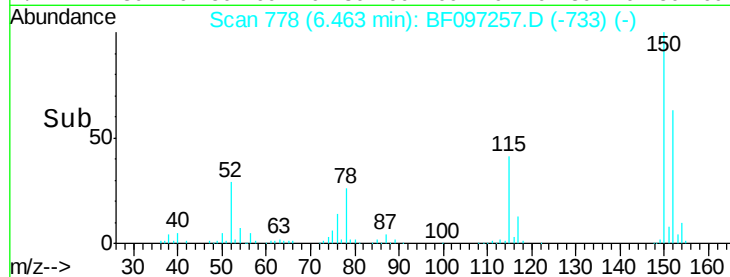
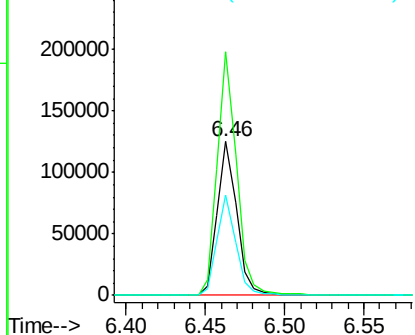
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.46 min Scan# 778  
Delta R.T. -0.04 min  
Lab File: BF097257.D  
Acq: 2 Aug 2017 6:32

Instrument :  
BNA\_F  
ClientSampleId :  
E2-HS7-NSW

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.4 | 126.2 | 189.2 |
| 115     | 65.3  | 52.2  | 78.2  |



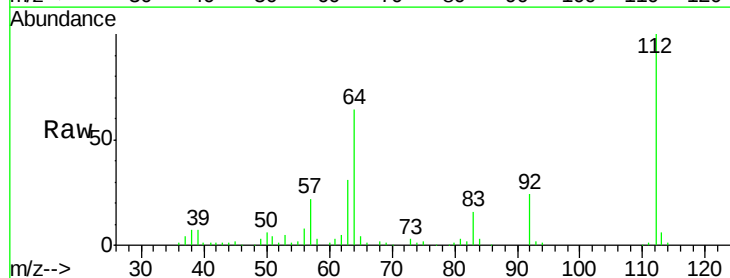
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



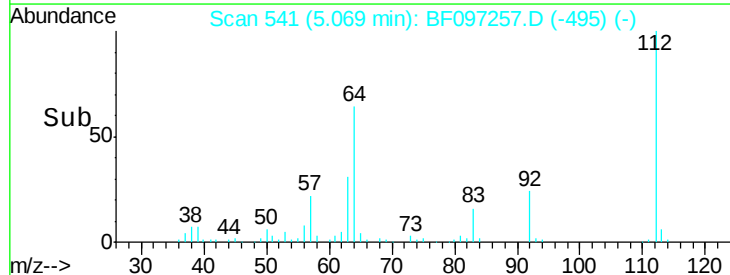
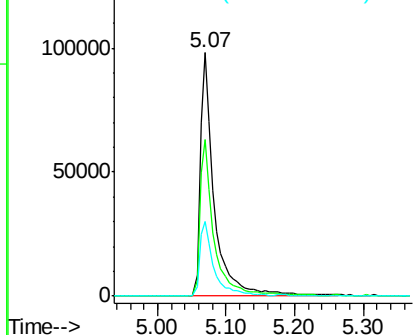
#5

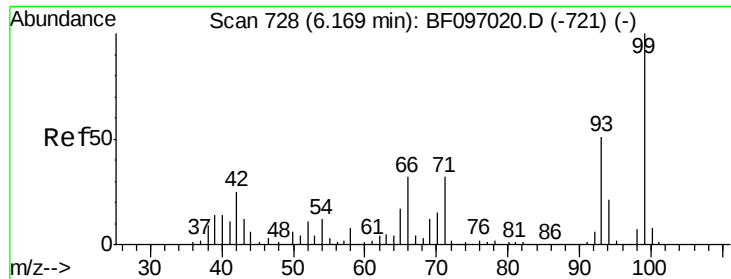
2-Fluorophenol  
Concen: 19.89 ng  
RT: 5.07 min Scan# 541  
Delta R.T. -0.03 min  
Lab File: BF097257.D  
Acq: 2 Aug 2017 6:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 64.2  | 46.0  | 69.0  |
| 63      | 30.6  | 23.4  | 35.0  |



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: 19.39 ng

RT: 6.13 min Scan# 722

Delta R.T. -0.04 min

Lab File: BF097257.D

Acq: 2 Aug 2017 6:32

Instrument :

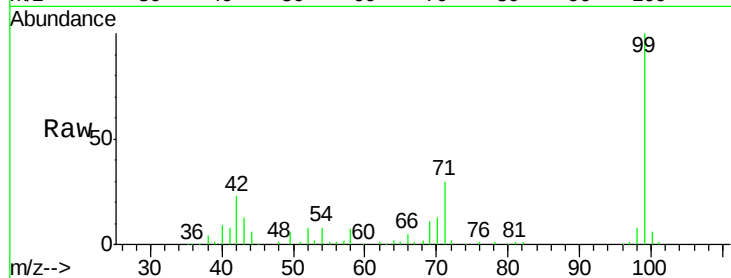
BNA\_F

ClientSampleId :

E2-HS7-NSW

Tot Ion: 99 Resp: 157959

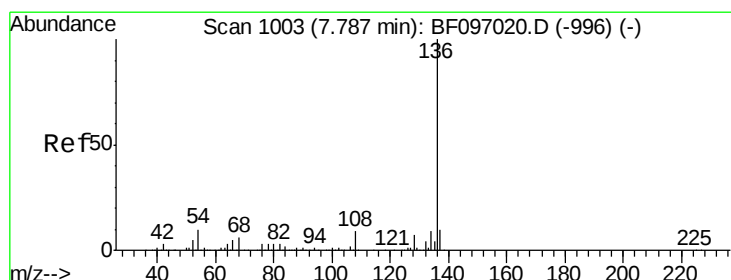
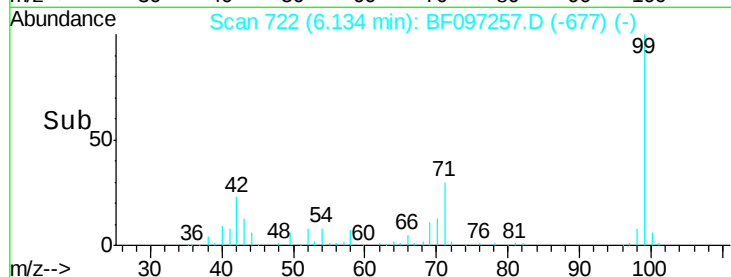
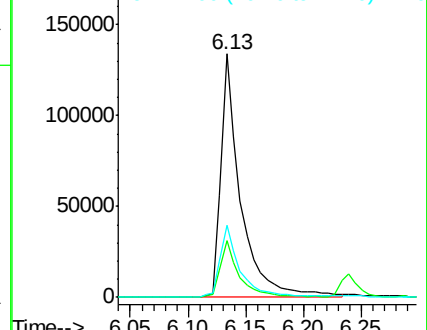
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 23.2  | 13.5  | 20.3# |
| 71  | 29.8  | 24.5  | 36.7  |



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.75 min Scan# 996

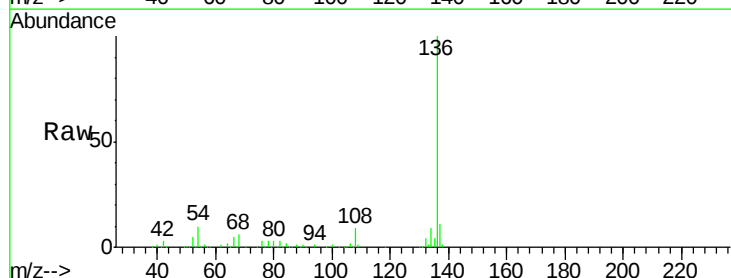
Delta R.T. -0.04 min

Lab File: BF097257.D

Acq: 2 Aug 2017 6:32

Tgt Ion: 136 Resp: 321721

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.2  | 8.5   | 12.7  |
| 54  | 10.3  | 4.9   | 7.3#  |
| 68  | 5.5   | 4.1   | 6.1   |

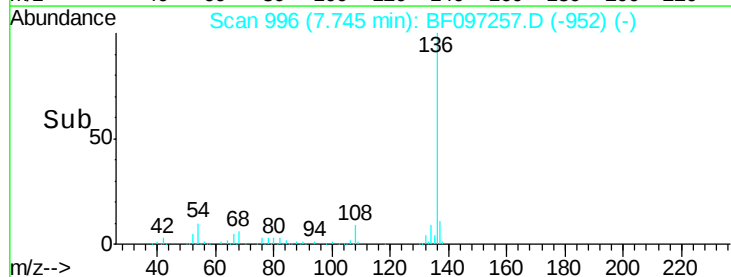
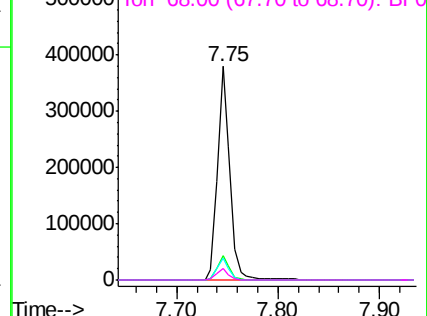


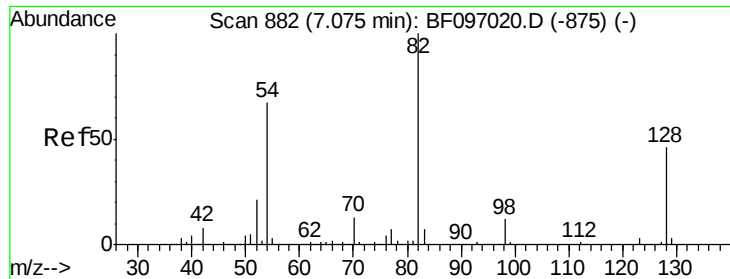
Abundance Ion 136.00 (135.70 to 136.70): E

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

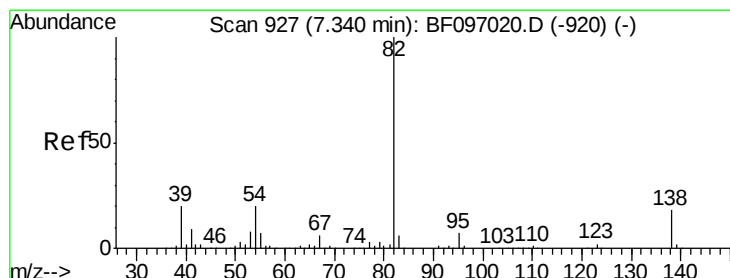
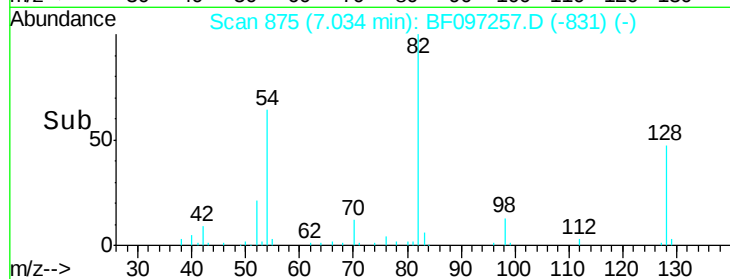
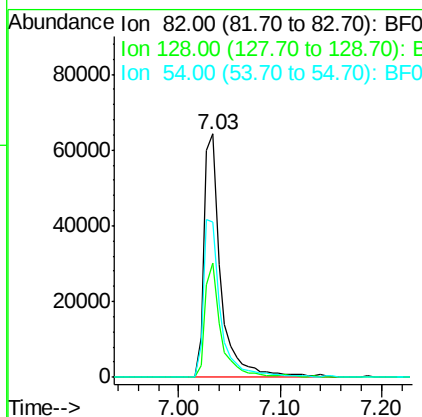
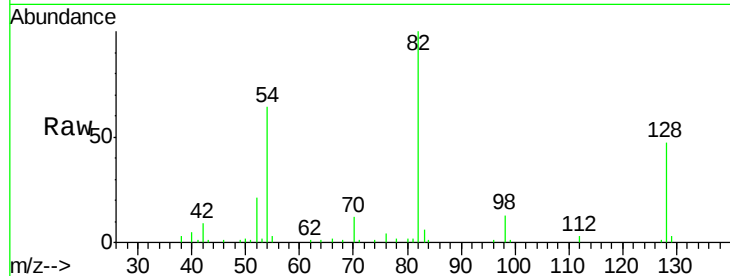




#23  
 Nitrobenzene-d5  
 Concen: 13.57 ng  
 RT: 7.03 min Scan# 875  
 Delta R.T. -0.04 min  
 Lab File: BF097257.D  
 Acq: 2 Aug 2017 6:32

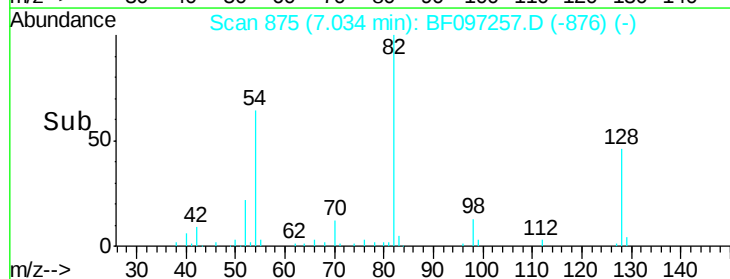
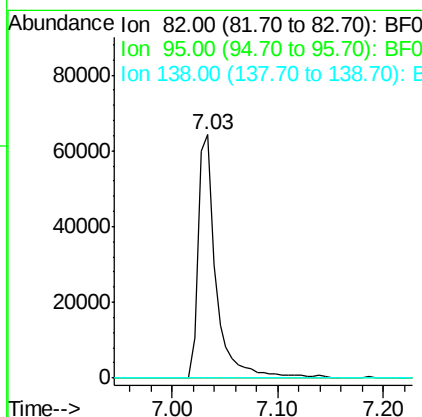
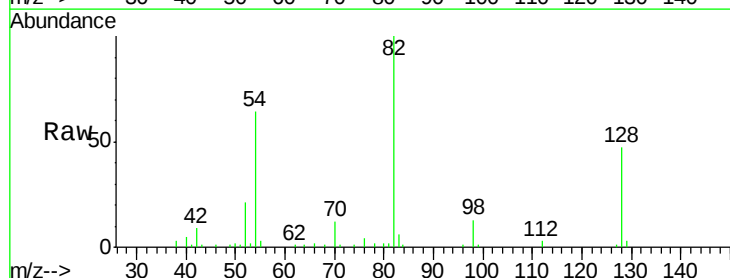
Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-HS7-NSW

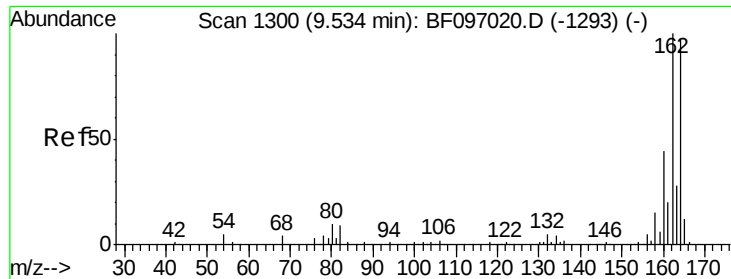
| Tot Ion   | 82    | Resp  | 74407 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 47.1  | 34.0  | 51.0  |
| 54        | 64.0  | 42.2  | 63.2# |



#25  
 Isophorone  
 Concen: 6.93 ng  
 RT: 7.03 min Scan# 875  
 Delta R.T. -0.31 min  
 Lab File: BF097257.D  
 Acq: 2 Aug 2017 6:32

| Tgt Ion   | 82    | Resp  | 74406 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 95        | 0.0   | 5.3   | 7.9#  |
| 138       | 0.0   | 13.1  | 19.7# |

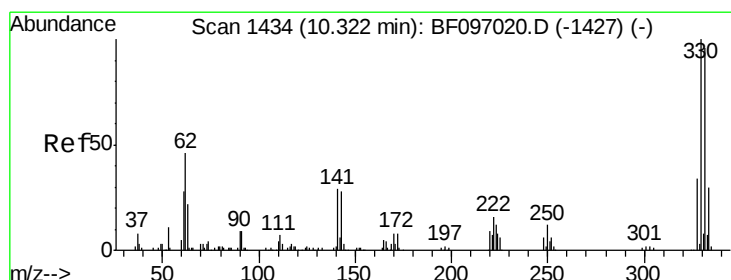
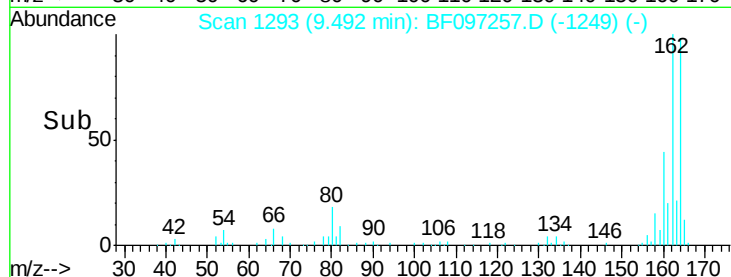
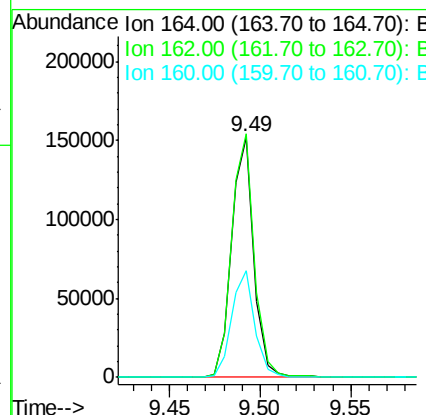
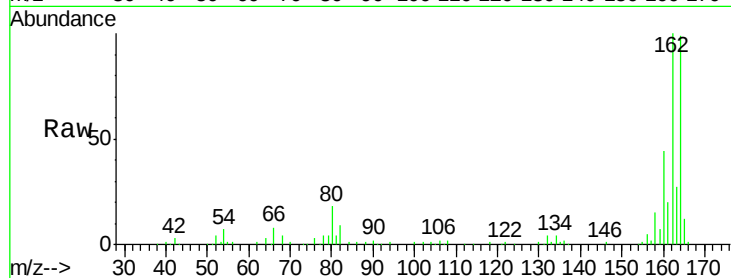




#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.49 min Scan# 1293  
 Delta R.T. -0.04 min  
 Lab File: BF097257.D  
 Acq: 2 Aug 2017 6:32

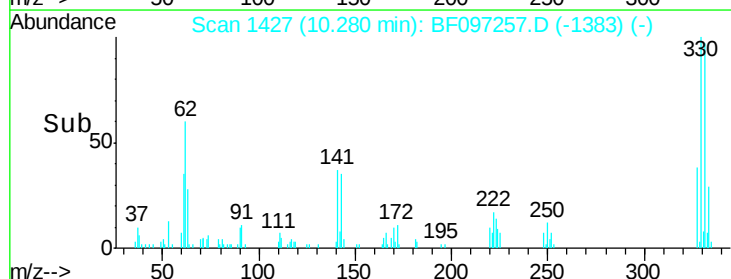
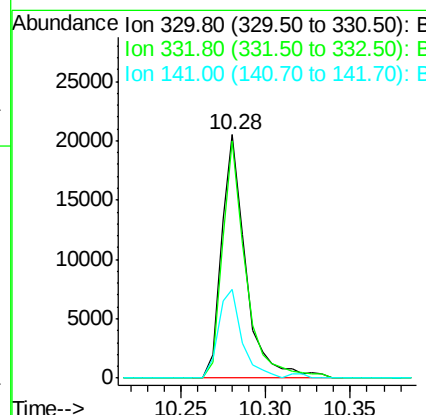
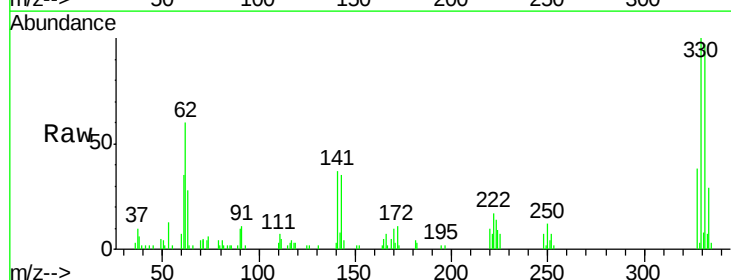
Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-HS7-NSW

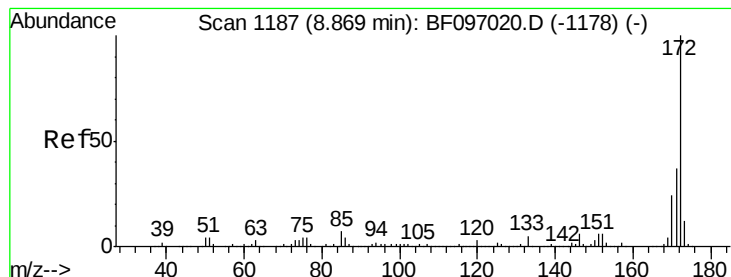
Tot Ion:164 Resp: 129430  
 Ion Ratio Lower Upper  
 164 100  
 162 101.4 82.6 123.8  
 160 44.3 36.2 54.2



#41  
 2,4,6-Tribromophenol  
 Concen: 20.06 ng  
 RT: 10.28 min Scan# 1427  
 Delta R.T. -0.04 min  
 Lab File: BF097257.D  
 Acq: 2 Aug 2017 6:32

Tgt Ion:330 Resp: 20511  
 Ion Ratio Lower Upper  
 330 100  
 332 94.2 76.6 115.0  
 141 35.9 31.4 47.2





#44

2-Fluorobiphenyl

Concen: 17.65 ng

RT: 8.82 min Scan# 1179

Delta R.T. -0.05 min

Lab File: BF097257.D

Acq: 2 Aug 2017 6:32

Instrument :

BNA\_F

ClientSampleId :

E2-HS7-NSW

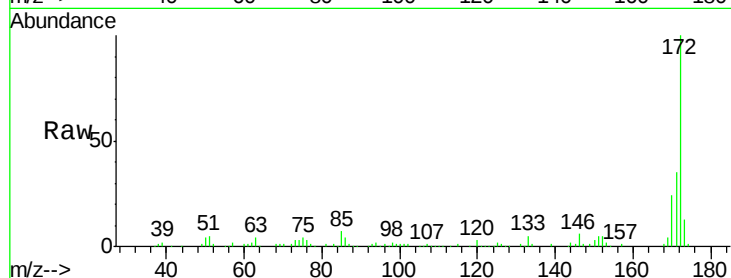
Tot Ion:172 Resp: 134623

Ion Ratio Lower Upper

172 100

171 35.0 29.6 44.4

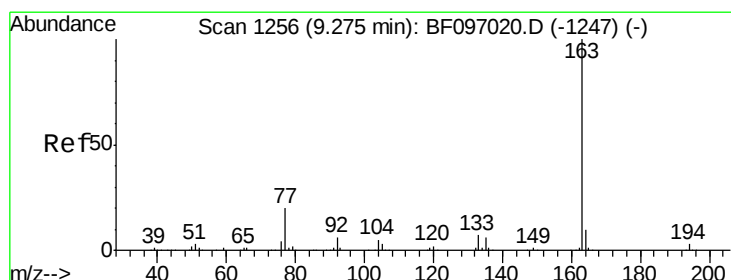
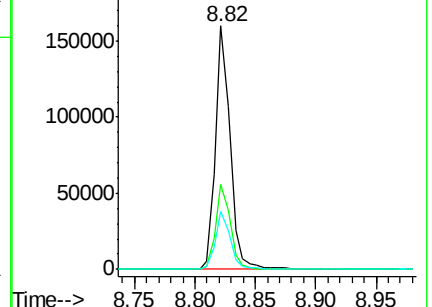
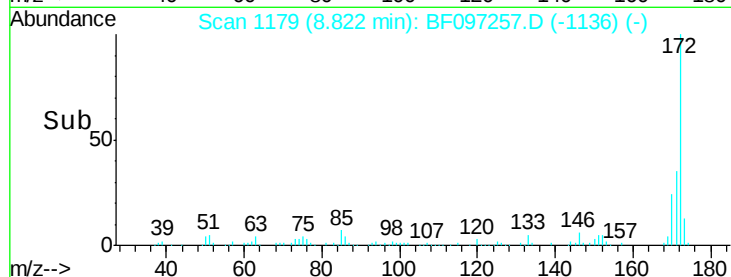
170 24.0 19.8 29.8



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



#49

Dimethylphthalate

Concen: 2.05 ng

RT: 9.23 min Scan# 1248

Delta R.T. -0.05 min

Lab File: BF097257.D

Acq: 2 Aug 2017 6:32

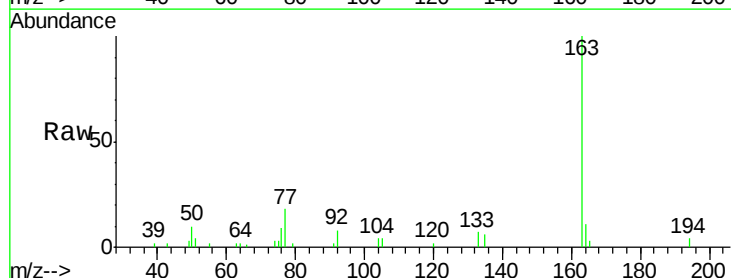
Tgt Ion:163 Resp: 20134

Ion Ratio Lower Upper

163 100

194 4.0 2.6 4.0

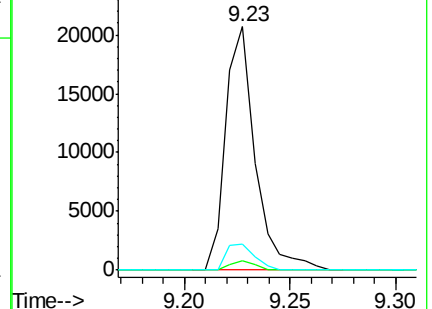
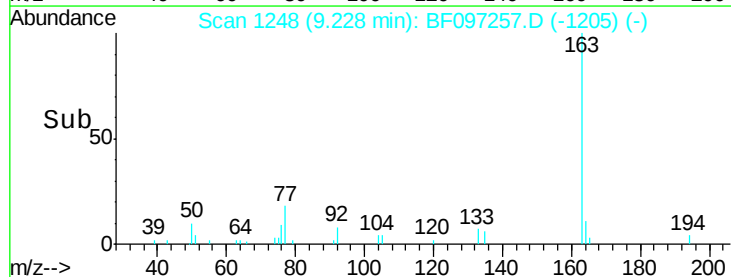
164 10.7 8.4 12.6

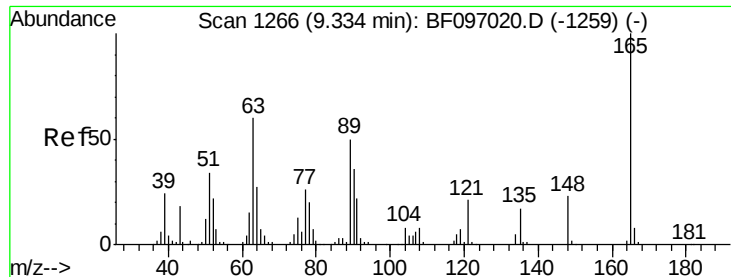


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

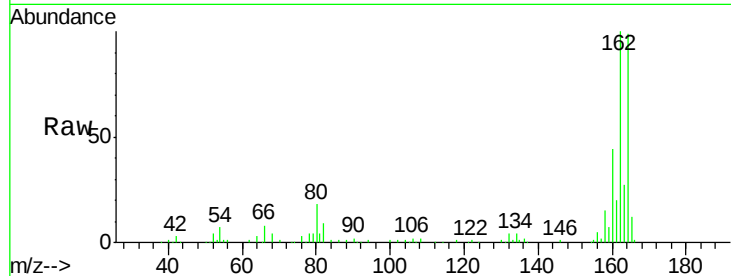




#50  
 2,6-Dinitrotoluene  
 Concen: 7.66 ng  
 RT: 9.49 min Scan# 1293  
 Delta R.T. 0.16 min  
 Lab File: BF097257.D  
 Acq: 2 Aug 2017 6:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-HS7-NSW

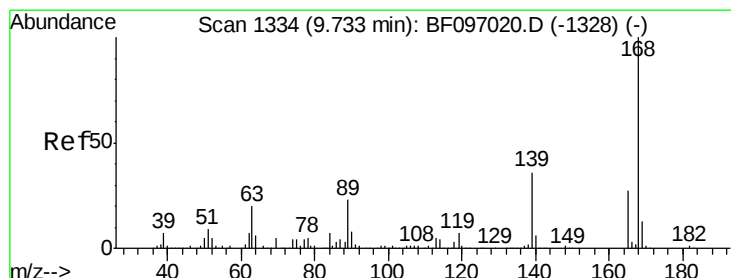
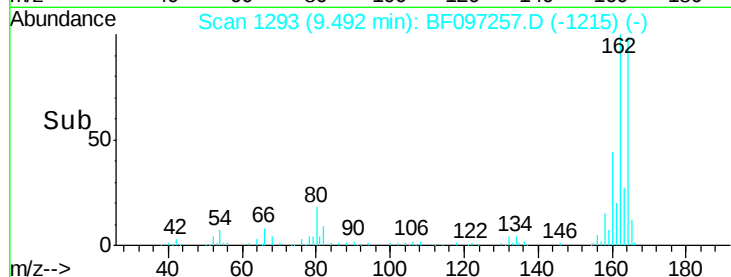
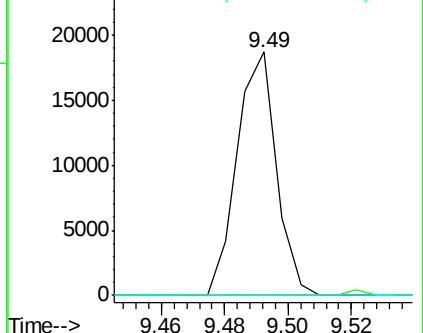
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 34.3  | 51.5# |
| 89      | 0.0   | 37.1  | 55.7# |



Abundance Ion 165.00 (164.70 to 165.70): E

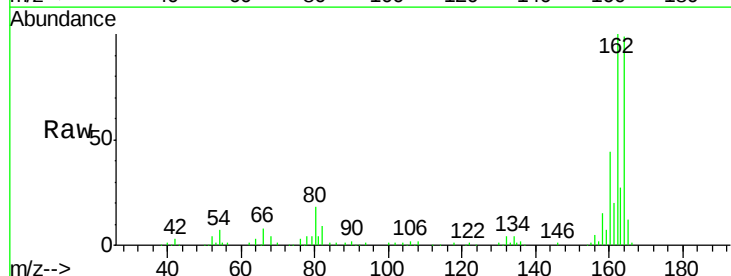
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56  
 2,4-Dinitrotoluene  
 Concen: 6.66 ng  
 RT: 9.49 min Scan# 1293  
 Delta R.T. -0.24 min  
 Lab File: BF097257.D  
 Acq: 2 Aug 2017 6:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 25.4  | 38.0# |
| 89      | 0.0   | 46.4  | 69.6# |
| 182     | 0.0   | 1.8   | 2.6#  |

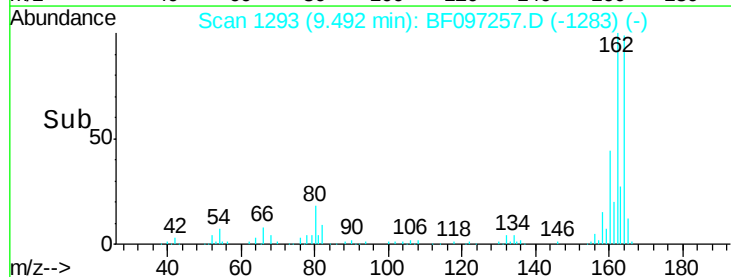
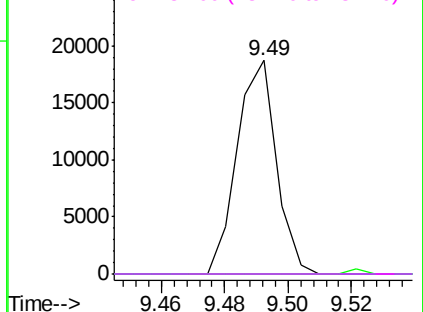


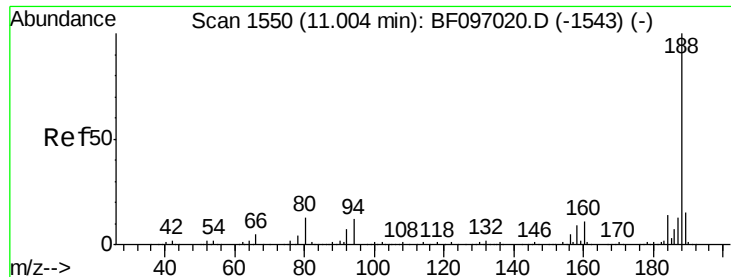
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

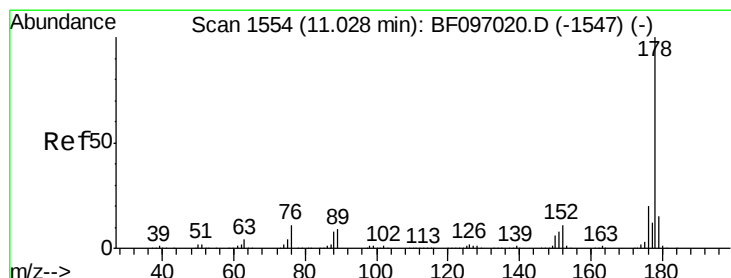
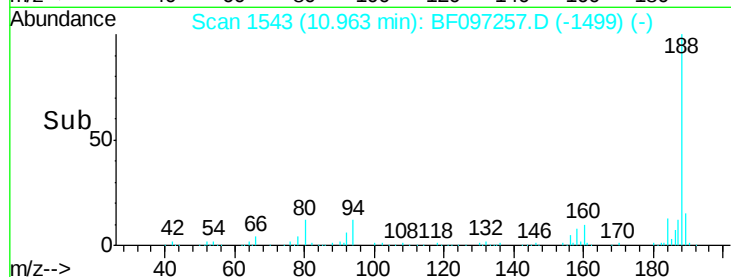
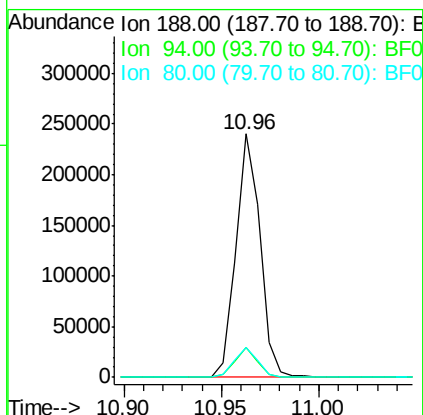
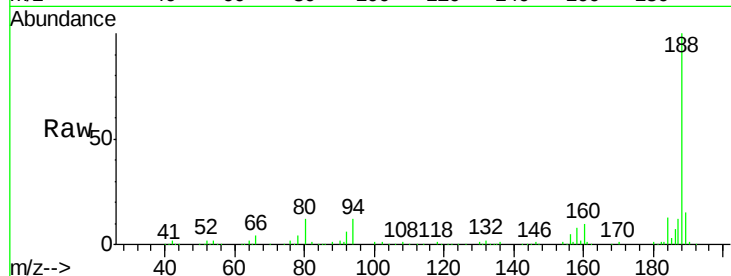




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 10.96 min Scan# 1543  
Delta R.T. -0.04 min  
Lab File: BF097257.D  
Acq: 2 Aug 2017 6:32

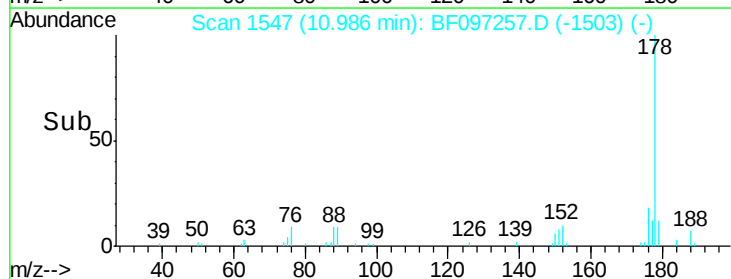
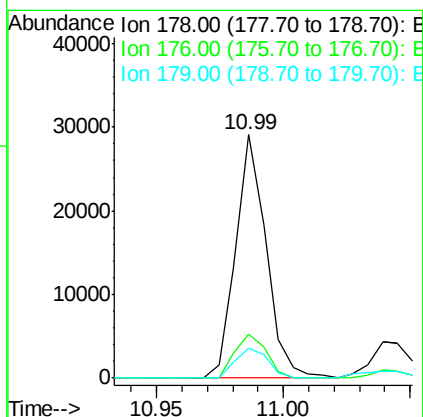
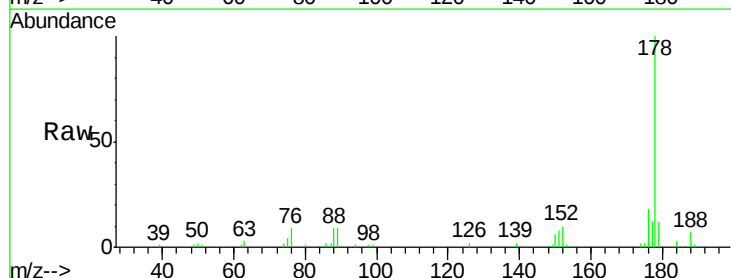
Instrument :  
BNA\_F  
ClientSampleId :  
E2-HS7-NSW

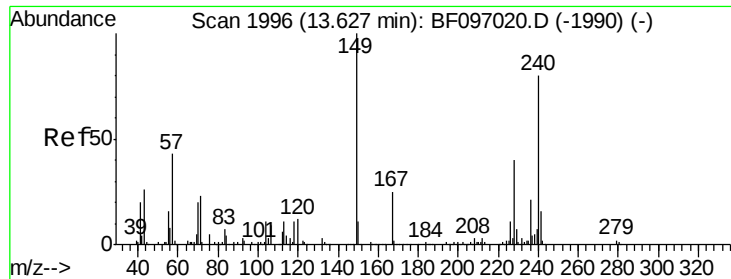
Tot Ion:188 Resp: 205722  
Ion Ratio Lower Upper  
188 100  
94 12.2 9.4 14.2  
80 12.3 10.2 15.2



#70  
Phenanthrene  
Concen: 2.20 ng  
RT: 10.99 min Scan# 1547  
Delta R.T. -0.04 min  
Lab File: BF097257.D  
Acq: 2 Aug 2017 6:32

Tgt Ion:178 Resp: 24270  
Ion Ratio Lower Upper  
178 100  
176 18.3 16.2 24.4  
179 12.5 12.6 19.0#

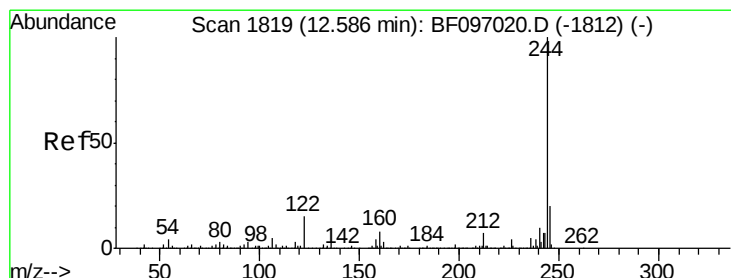
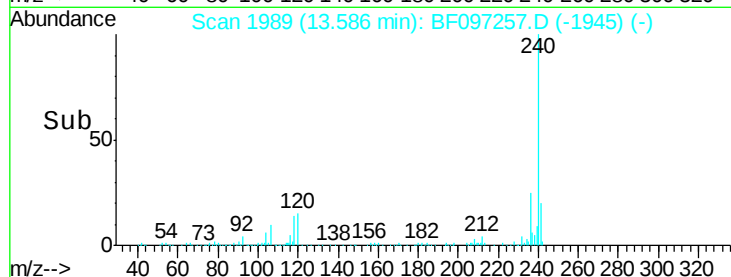
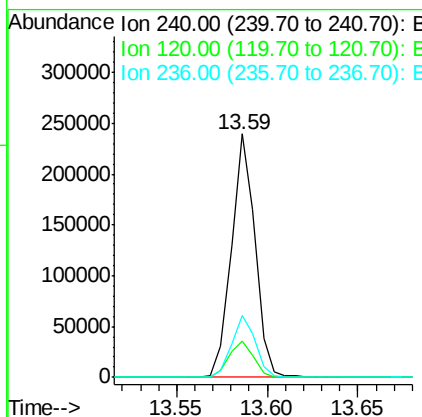
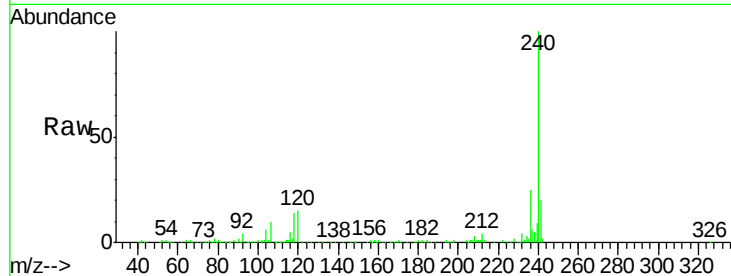




#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 13.59 min Scan# 1989  
 Delta R.T. -0.04 min  
 Lab File: BF097257.D  
 Acq: 2 Aug 2017 6:32

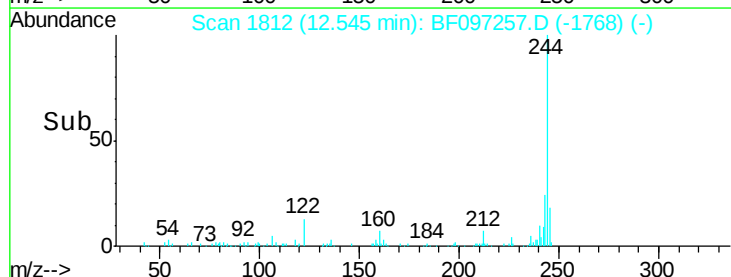
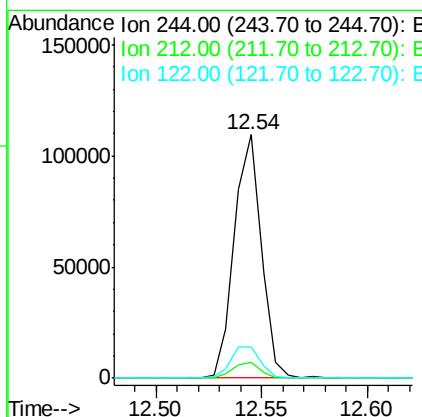
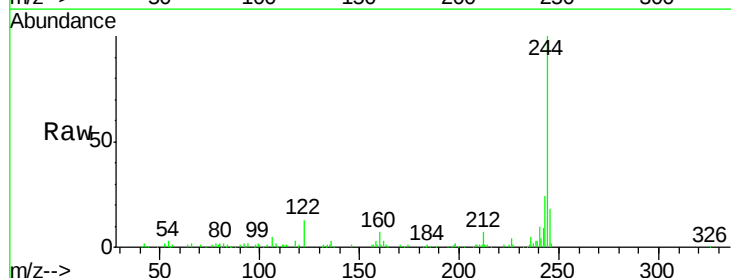
Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-HS7-NSW

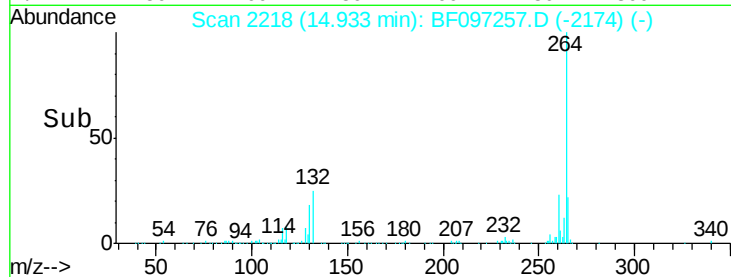
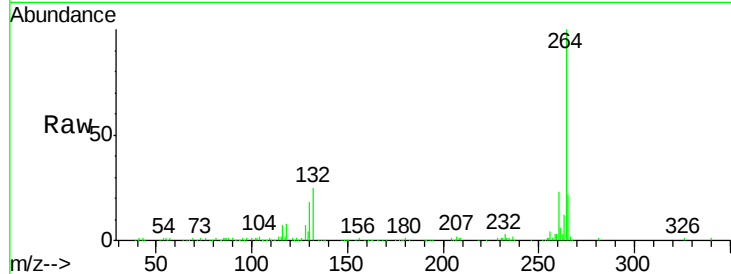
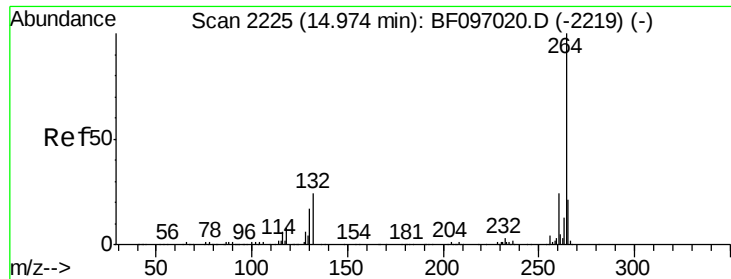
Tot Ion:240 Resp: 217639  
 Ion Ratio Lower Upper  
 240 100  
 120 15.1 5.8 8.8#  
 236 25.5 20.5 30.7



#78  
 Terphenyl-d14  
 Concen: 9.05 ng  
 RT: 12.54 min Scan# 1812  
 Delta R.T. -0.04 min  
 Lab File: BF097257.D  
 Acq: 2 Aug 2017 6:32

Tgt Ion:244 Resp: 96584  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 6.0 9.0  
 122 12.8 10.3 15.5





#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 14.93 min Scan# 2218  
 Delta R.T. -0.04 min  
 Lab File: BF097257.D  
 Acq: 2 Aug 2017 6:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-HS7-NSW

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.9  | 19.5  | 29.3  |
| 265     | 22.1  | 17.2  | 25.8  |

