

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060617\  
 Data File : BF095736.D  
 Acq On : 7 Jun 2017 8:17  
 Operator : SJ/MA  
 Sample : I3465-01 10X  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-S9-BASE

Quant Time: Jun 07 11:38:06 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 05 16:15:31 2017  
 Response via : Initial Calibration

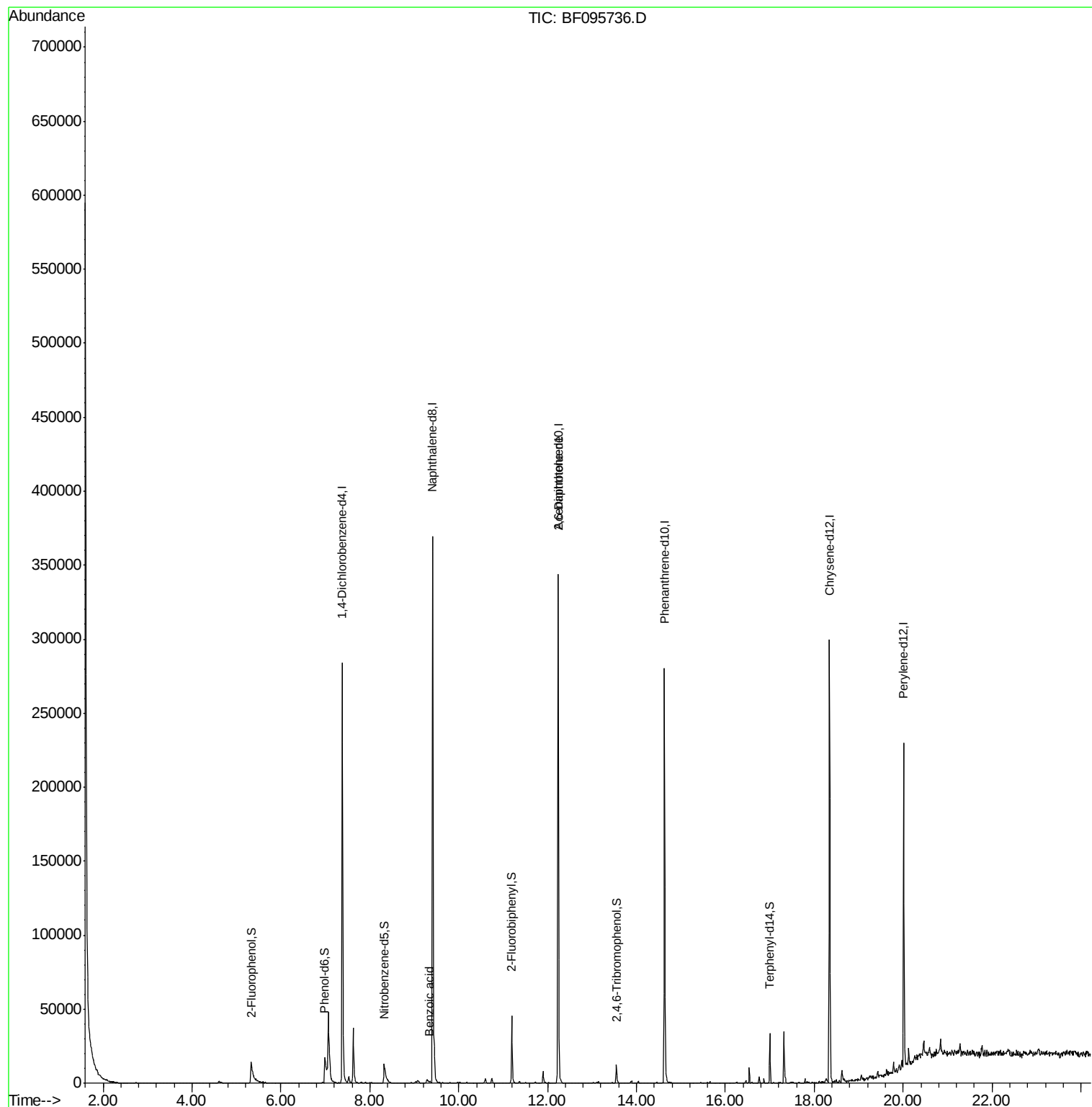
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.38  | 152  | 69909    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8          | 9.41  | 136  | 259449   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10        | 12.24 | 164  | 101483   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10        | 14.63 | 188  | 154474   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12            | 18.34 | 240  | 130310   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 20.01 | 264  | 96886    | 20.00 | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.33  | 112  | 20176    | 4.60  | ng    | 0.04     |
| 7) Phenol-d6                | 6.99  | 99   | 30969    | 5.90  | ng    | 0.03     |
| 23) Nitrobenzene-d5         | 8.32  | 82   | 17488    | 4.19  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 13.56 | 330  | 4174     | 4.65  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 11.20 | 172  | 25799    | 3.54  | ng    | -0.02    |
| 78) Terphenyl-d14           | 17.00 | 244  | 15497    | 2.95  | ng    | -0.01    |
| Target Compounds            |       |      |          |       |       |          |
| 32) Benzoic acid            | 9.35  | 122  | 1077     | 5.54  | ng    | # 1      |
| 50) 2,6-Dinitrotoluene      | 12.23 | 165  | 12852    | 7.65  | ng    | # 31     |

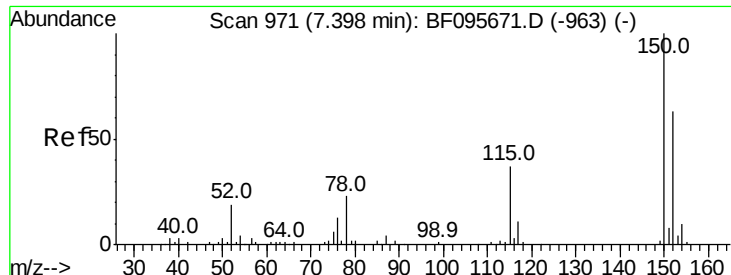
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jun 05 16:15:31 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.38 min Scan# 985

Delta R.T. -0.02 min

Lab File: BF095736.D

Acq: 7 Jun 2017 8:17

Instrument :

BNA\_F

ClientSampleId :

E2-S9-BASE

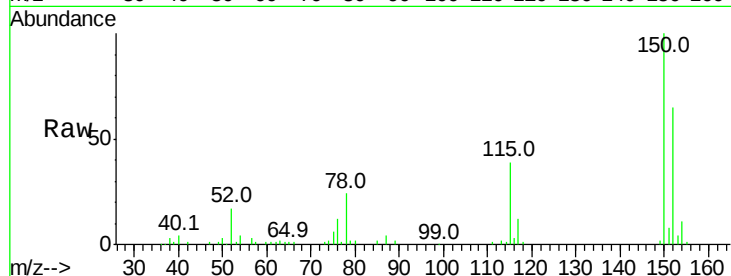
Tot Ion:152 Resp: 69909

Ion Ratio Lower Upper

152 100

150 154.9 126.2 189.2

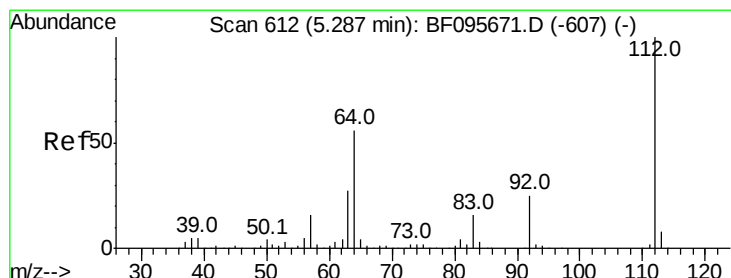
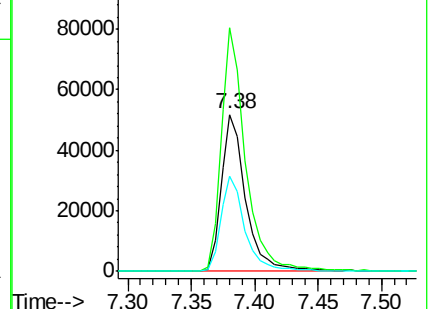
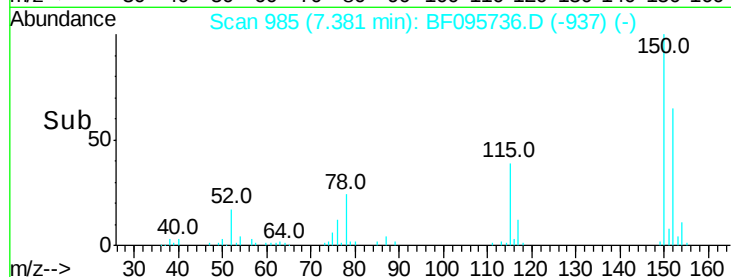
115 60.6 52.2 78.2



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: 4.60 ng

RT: 5.33 min Scan# 636

Delta R.T. 0.04 min

Lab File: BF095736.D

Acq: 7 Jun 2017 8:17

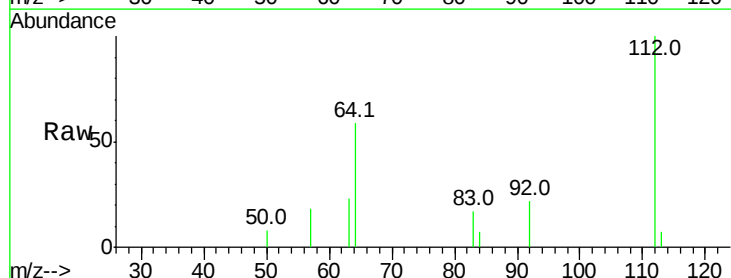
Tgt Ion:112 Resp: 20176

Ion Ratio Lower Upper

112 100

64 58.5 46.0 69.0

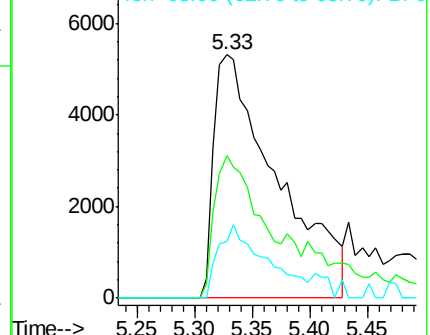
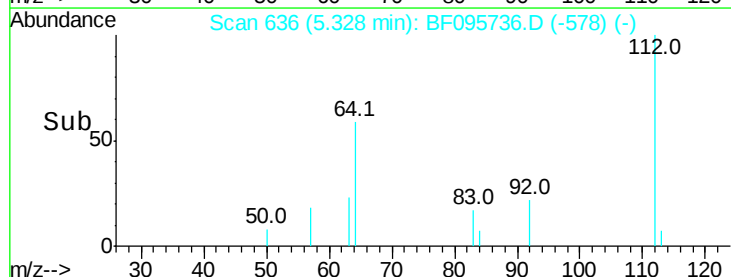
63 23.5 23.4 35.0



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: 5.90 ng

RT: 6.99 min Scan# 918

Delta R.T. 0.03 min

Lab File: BF095736.D

Acq: 7 Jun 2017 8:17

Instrument :

BNA\_F

ClientSampleId :

E2-S9-BASE

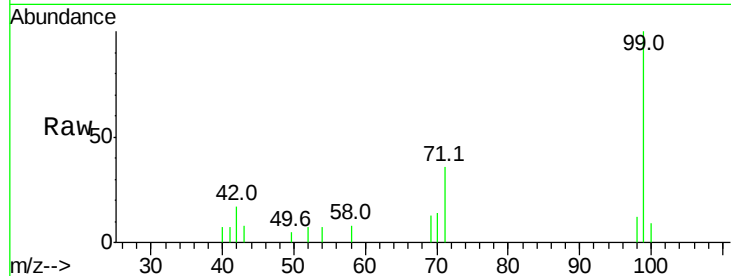
Tot Ion: 99 Resp: 30969

Ion Ratio Lower Upper

99 100

42 16.9 13.5 20.3

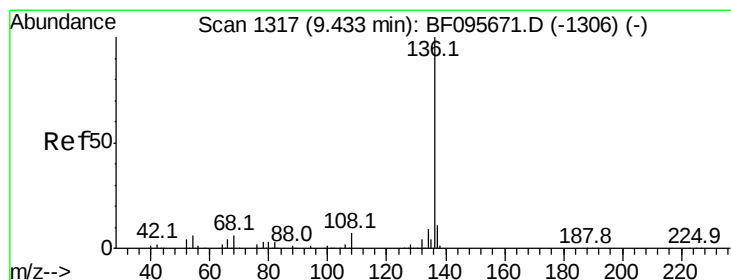
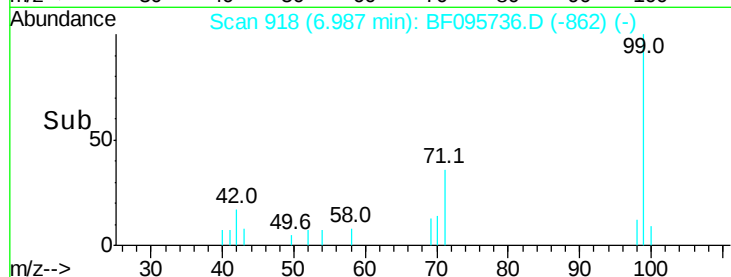
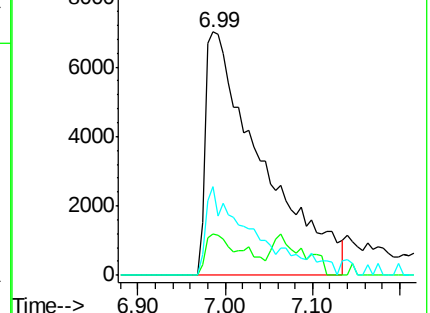
71 36.2 24.5 36.7



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: 9.41 min Scan# 1330

Delta R.T. -0.02 min

Lab File: BF095736.D

Acq: 7 Jun 2017 8:17

Tgt Ion: 136 Resp: 259449

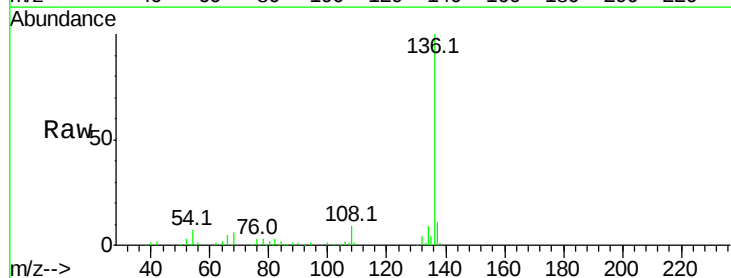
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 7.0 4.9 7.3

68 5.8 4.1 6.1

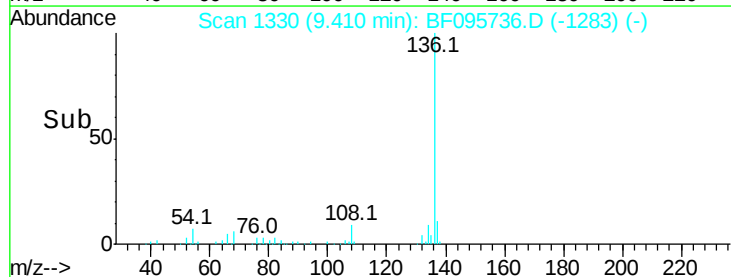
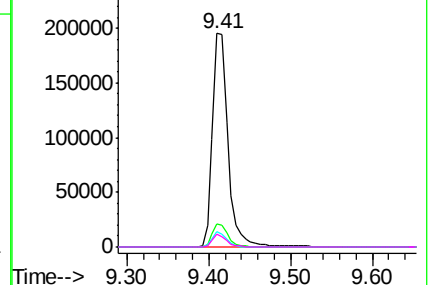


Abundance Ion 136.00 (135.70 to 136.70): E

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

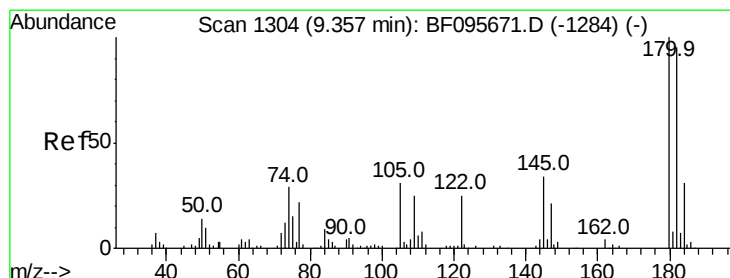
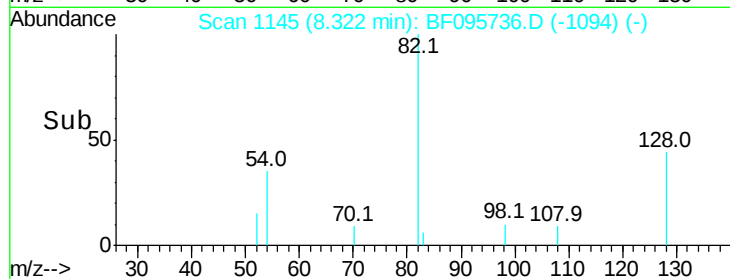
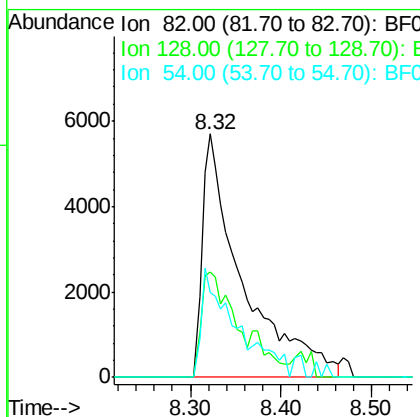
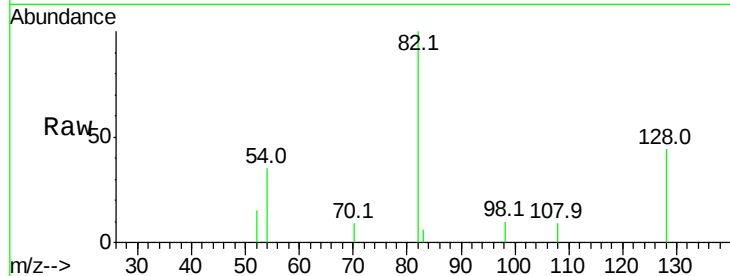




#23  
 Nitrobenzene-d5  
 Concen: 4.19 ng  
 RT: 8.32 min Scan# 1145  
 Delta R.T. -0.00 min  
 Lab File: BF095736.D  
 Acq: 7 Jun 2017 8:17

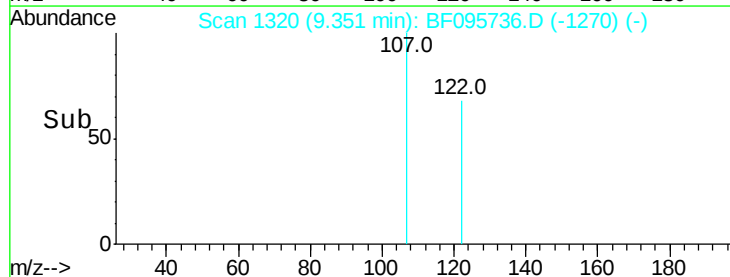
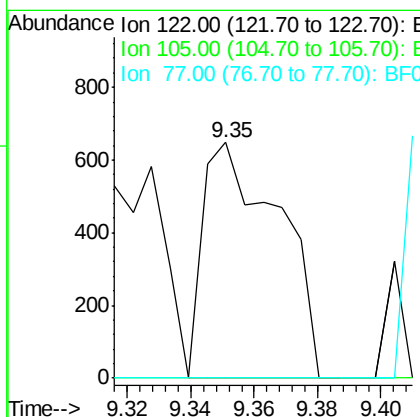
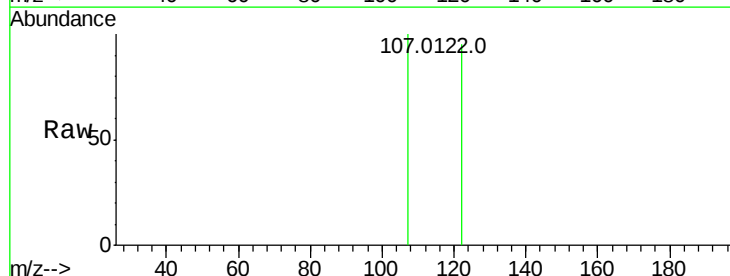
Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-S9-BASE

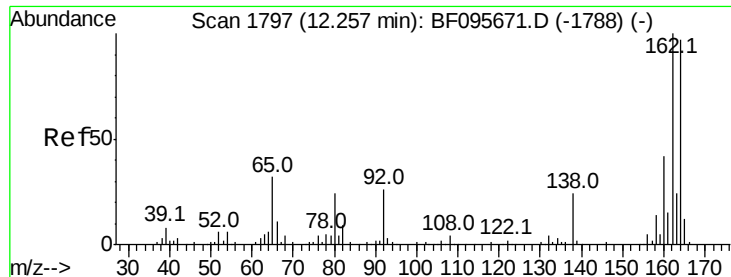
Tot Ion: 82 Resp: 17488  
 Ion Ratio Lower Upper  
 82 100  
 128 43.5 34.0 51.0  
 54 35.0 42.2 63.2#



#32  
 Benzoic acid  
 Concen: 5.54 ng  
 RT: 9.35 min Scan# 1320  
 Delta R.T. -0.01 min  
 Lab File: BF095736.D  
 Acq: 7 Jun 2017 8:17

Tgt Ion:122 Resp: 1077  
 Ion Ratio Lower Upper  
 122 100  
 105 0.0 103.3 143.3#  
 77 0.0 73.7 113.7#

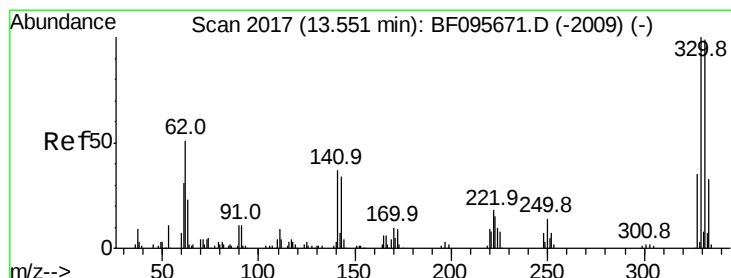
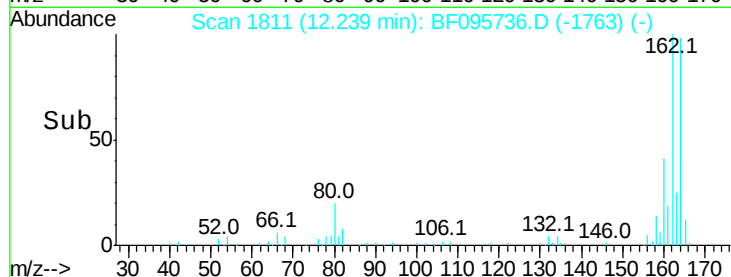
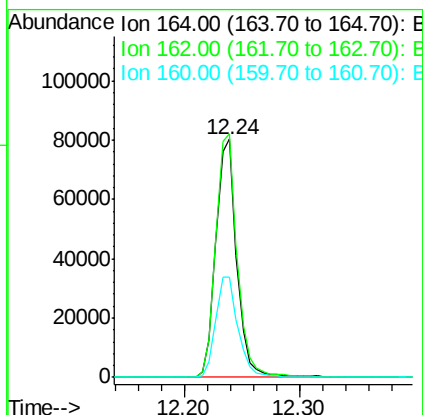
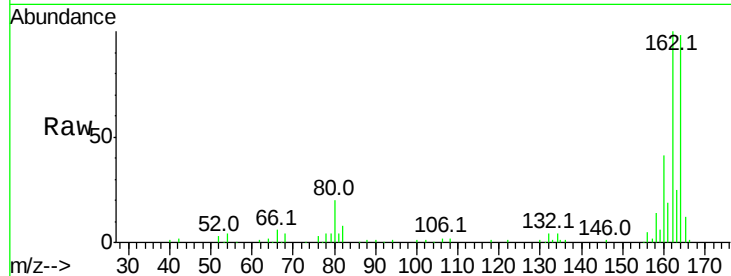




#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 12.24 min Scan# 1811  
 Delta R.T. -0.02 min  
 Lab File: BF095736.D  
 Acq: 7 Jun 2017 8:17

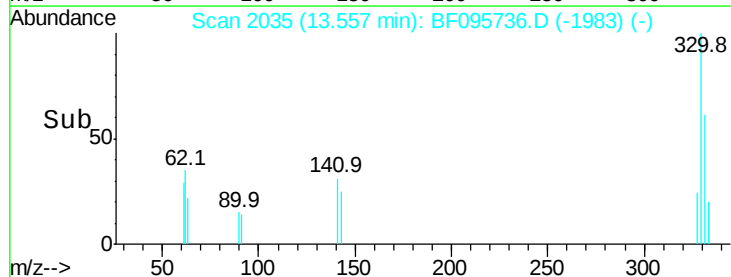
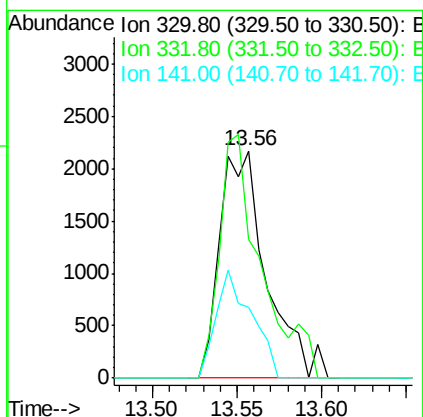
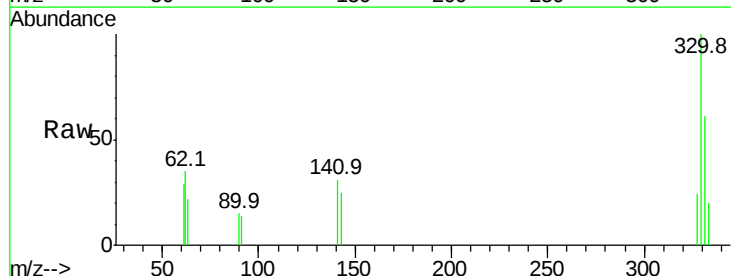
Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-S9-BASE

Tot Ion:164 Resp: 101483  
 Ion Ratio Lower Upper  
 164 100  
 162 102.2 82.6 123.8  
 160 42.1 36.2 54.2



#41  
 2,4,6-Tribromophenol  
 Concen: 4.65 ng  
 RT: 13.56 min Scan# 2035  
 Delta R.T. 0.01 min  
 Lab File: BF095736.D  
 Acq: 7 Jun 2017 8:17

Tgt Ion:330 Resp: 4174  
 Ion Ratio Lower Upper  
 330 100  
 332 95.5 76.6 115.0  
 141 36.3 31.4 47.2

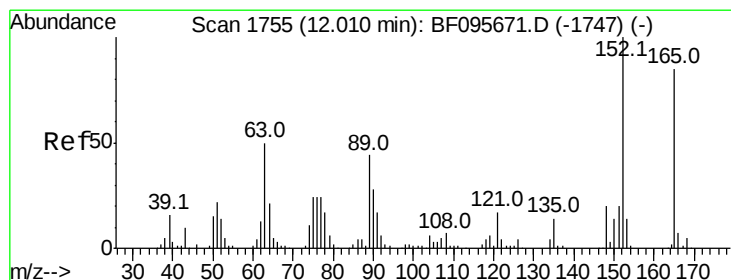
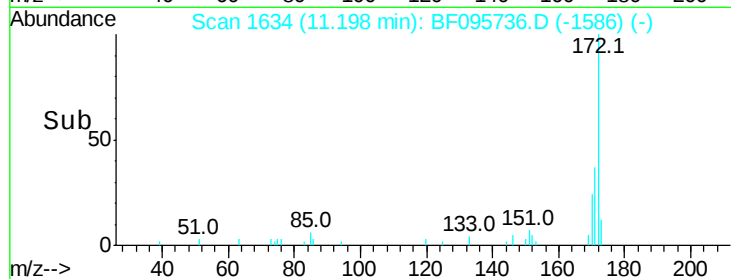
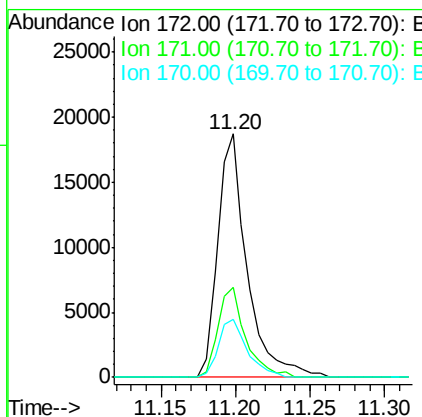
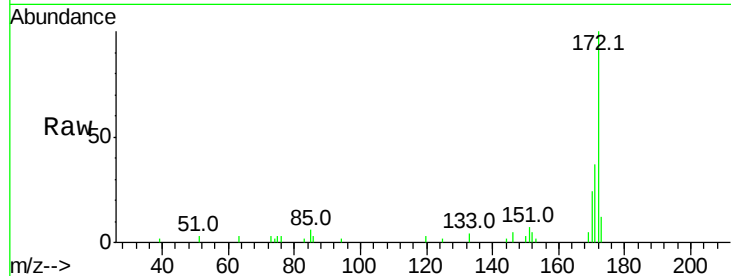




#44  
2-Fluorobiphenyl  
Concen: 3.54 ng  
RT: 11.20 min Scan# 1634  
Delta R.T. -0.02 min  
Lab File: BF095736.D  
Acq: 7 Jun 2017 8:17

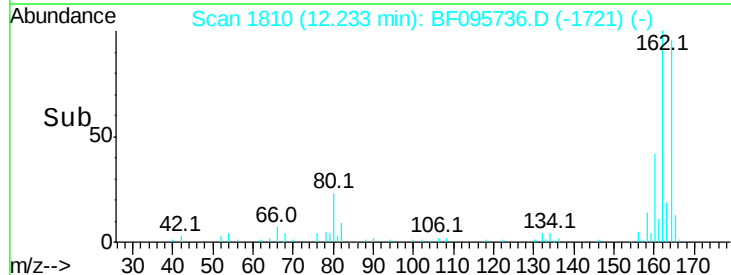
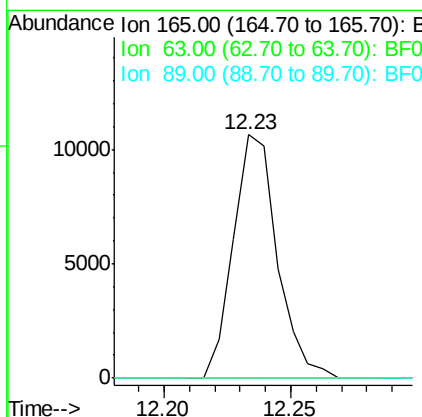
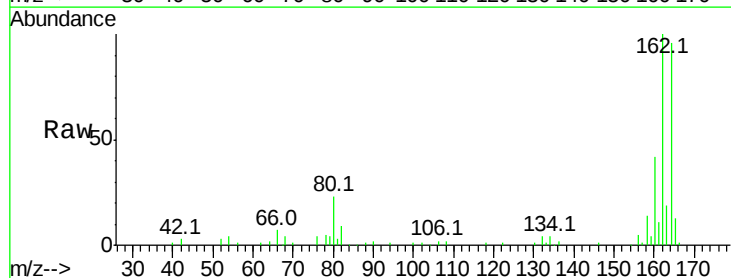
Instrument :  
BNA\_F  
ClientSampleId :  
E2-S9-BASE

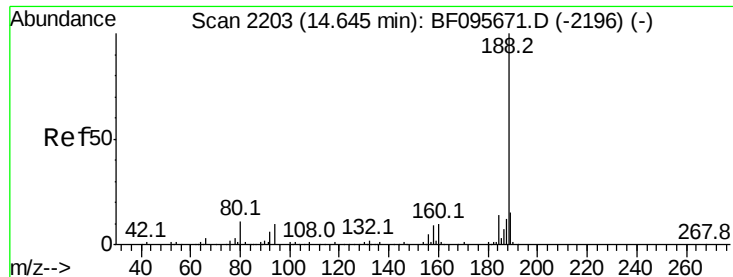
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.1  | 29.6  | 44.4  |
| 170     | 23.7  | 19.8  | 29.8  |



#50  
2,6-Dinitrotoluene  
Concen: 7.65 ng  
RT: 12.23 min Scan# 1810  
Delta R.T. 0.22 min  
Lab File: BF095736.D  
Acq: 7 Jun 2017 8:17

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

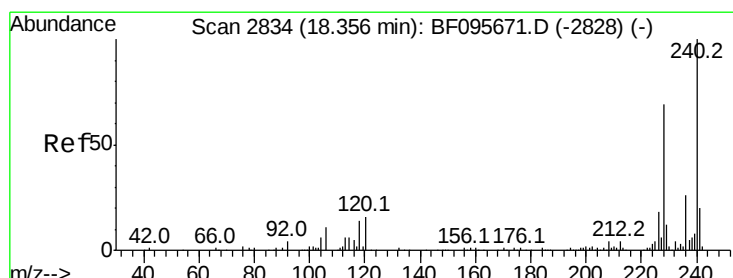
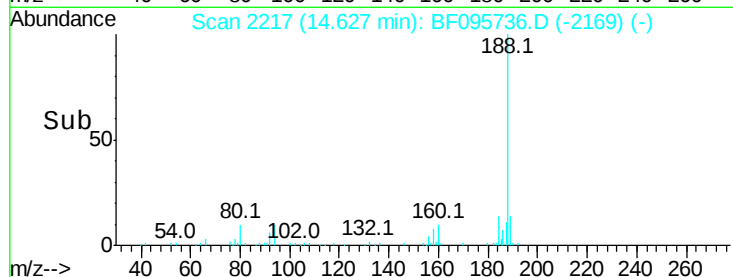
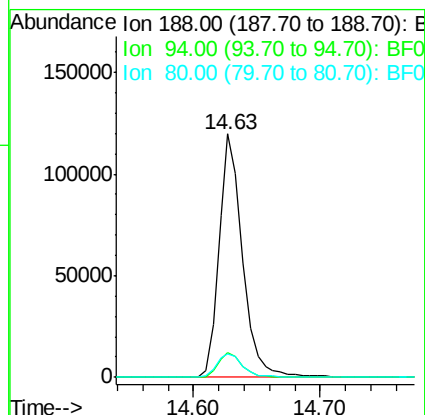
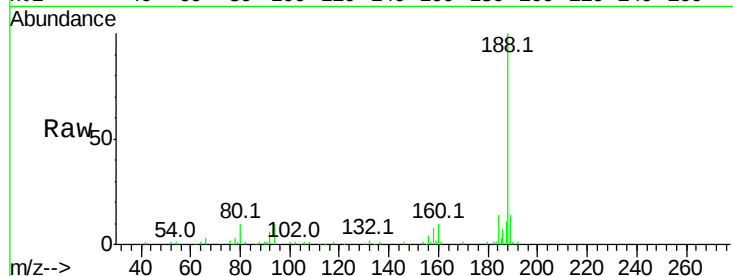




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 14.63 min Scan# 2217  
Delta R.T. -0.02 min  
Lab File: BF095736.D  
Acq: 7 Jun 2017 8:17

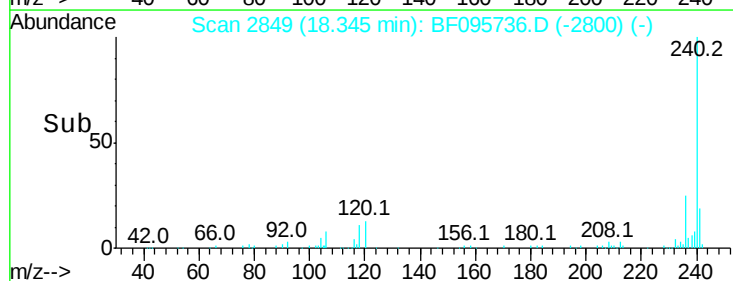
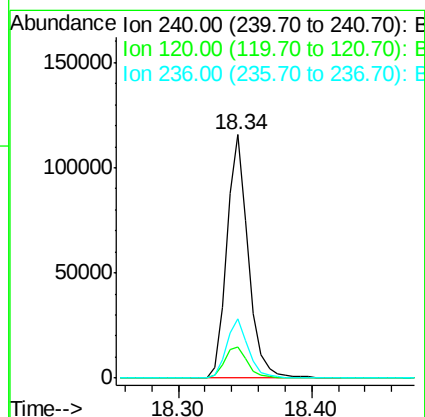
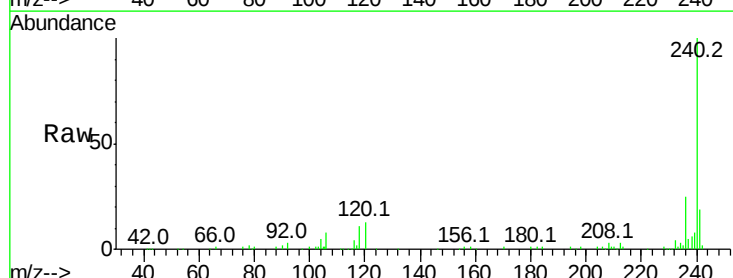
Instrument :  
BNA\_F  
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E2-S9-BASE

Tot Ion:188 Resp: 154474  
Ion Ratio Lower Upper  
188 100  
94 10.1 9.4 14.2  
80 9.9 10.2 15.2#



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 18.34 min Scan# 2849  
Delta R.T. -0.01 min  
Lab File: BF095736.D  
Acq: 7 Jun 2017 8:17

Tgt Ion:240 Resp: 130310  
Ion Ratio Lower Upper  
240 100  
120 13.0 5.8 8.8#  
236 24.6 20.5 30.7

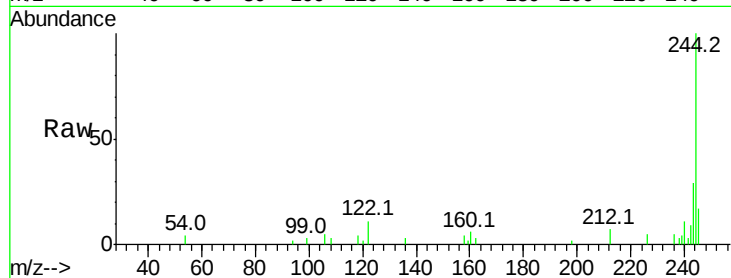




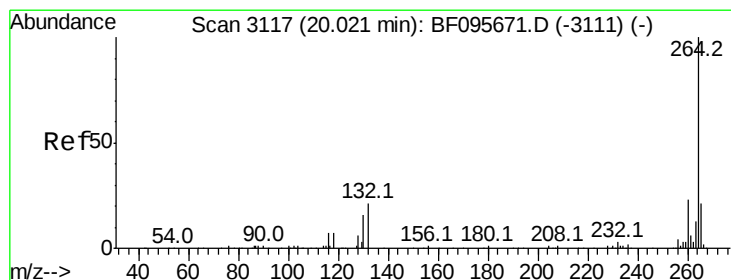
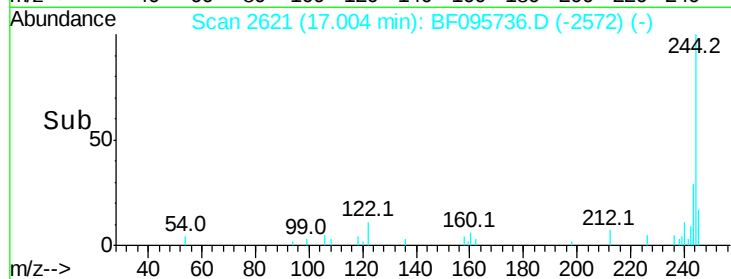
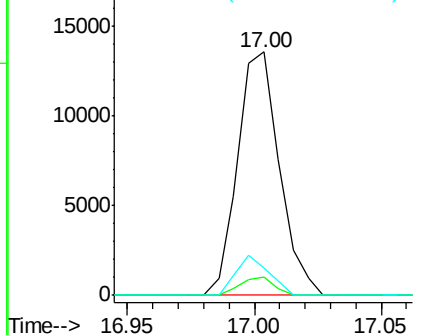
#78  
 Terphenyl-d14  
 Concen: 2.95 ng  
 RT: 17.00 min Scan# 2621  
 Delta R.T. -0.01 min  
 Lab File: BF095736.D  
 Acq: 7 Jun 2017 8:17

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-S9-BASE

Tot Ion:244 Resp: 15497  
 Ion Ratio Lower Upper  
 244 100  
 212 7.5 6.0 9.0  
 122 11.4 10.3 15.5

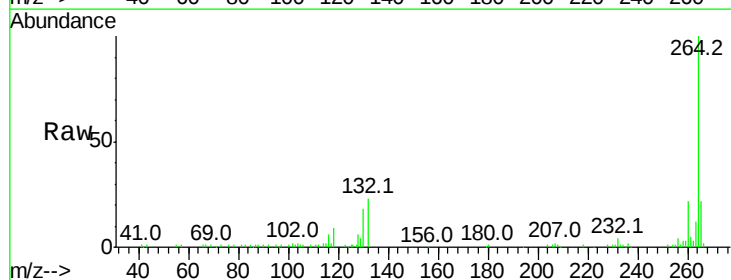


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 20.01 min Scan# 3132  
 Delta R.T. -0.01 min  
 Lab File: BF095736.D  
 Acq: 7 Jun 2017 8:17

Tgt Ion:264 Resp: 96886  
 Ion Ratio Lower Upper  
 264 100  
 260 22.0 19.5 29.3  
 265 21.9 17.2 25.8



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

