

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031017\  
 Data File : BF093559.D  
 Acq On : 11 Mar 2017 8:34  
 Operator : SJ/MA  
 Sample : I2195-15  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-5-TP-4-COMP-0-12FT

Quant Time: Mar 13 14:19:00 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 07 15:55:22 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.74  | 152  | 173993   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 8.02  | 136  | 725407   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10        | 9.77  | 164  | 318485   | 20.00  | ng    | -0.03    |
| 63) Phenanthrene-d10        | 11.26 | 188  | 615372   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 13.90 | 240  | 420335   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 15.32 | 264  | 97819    | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.36  | 112  | 1412187  | 135.08 | ng    | 0.01     |
| 7) Phenol-d6                | 6.41  | 99   | 1664224  | 126.24 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.32  | 82   | 1205668  | 92.22  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.57 | 330  | 332137   | 160.07 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 9.10  | 172  | 1629470  | 95.17  | ng    | -0.03    |
| 78) Terphenyl-d14           | 12.85 | 244  | 1616284  | 99.97  | ng    | -0.02    |

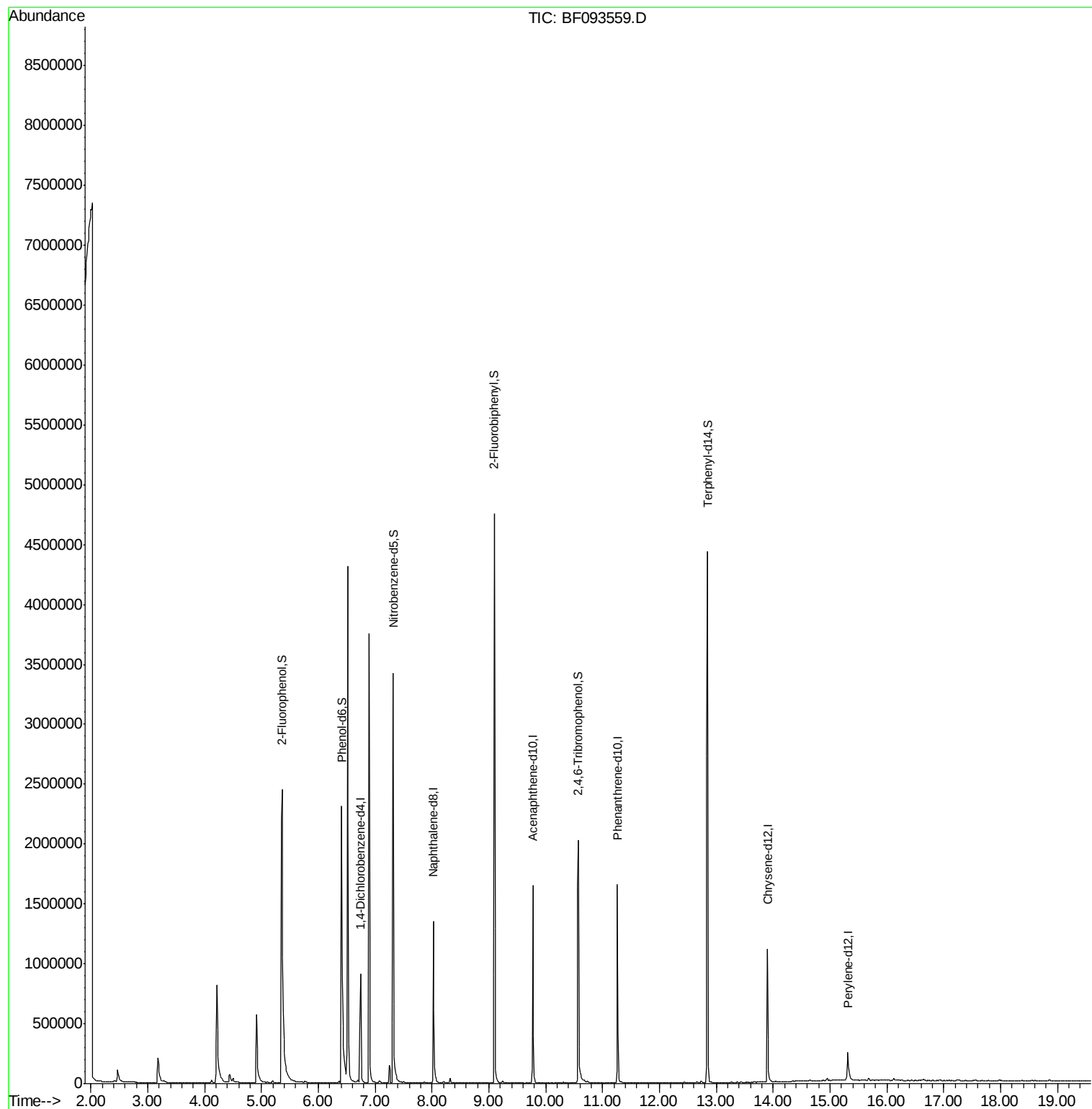
Target Compounds Qvalue

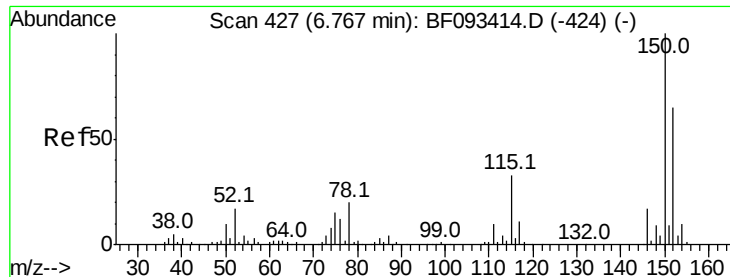
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 39 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
TP-5-TP-4-COMP-0-12FT

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QLast Update : Tue Mar 07 15:55:22 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 425

Delta R.T. -0.02 min

Lab File: BF093559.D

Acq: 11 Mar 2017 8:34

Instrument :

BNA\_F

ClientSampleId :

TP-5-TP-4-COMP-0-12FT

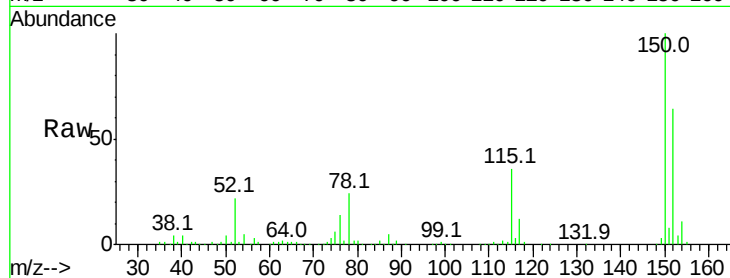
Tot Ion:152 Resp: 173993

Ion Ratio Lower Upper

152 100

150 155.6 124.9 187.3

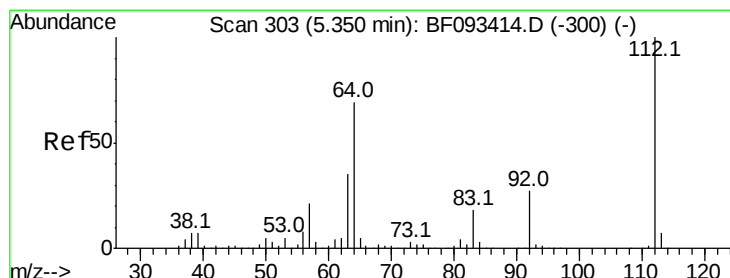
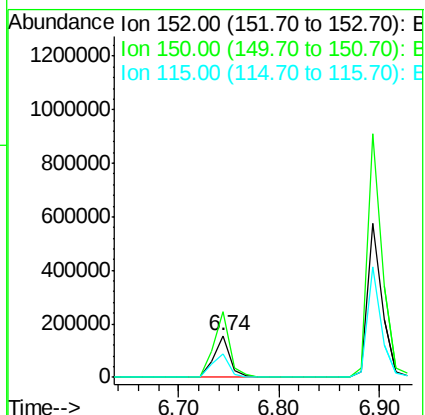
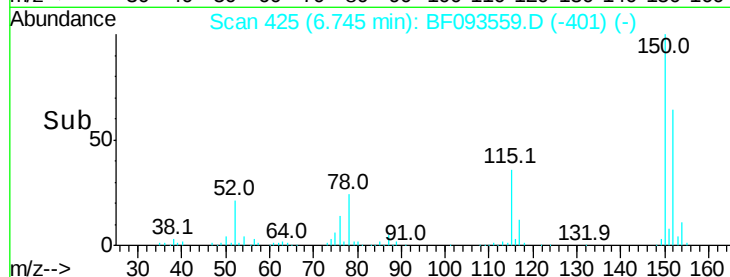
115 56.3 46.0 69.0



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: 135.08 ng

RT: 5.36 min Scan# 304

Delta R.T. 0.01 min

Lab File: BF093559.D

Acq: 11 Mar 2017 8:34

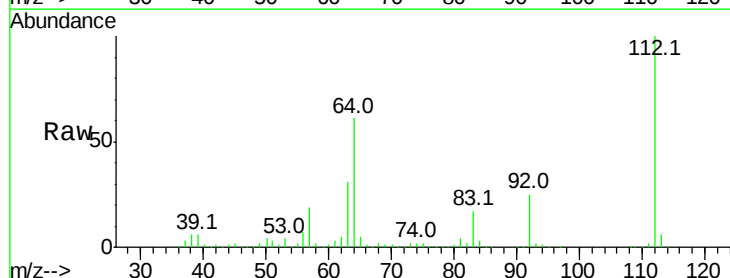
Tgt Ion:112 Resp: 1412187

Ion Ratio Lower Upper

112 100

64 60.7 46.1 69.1

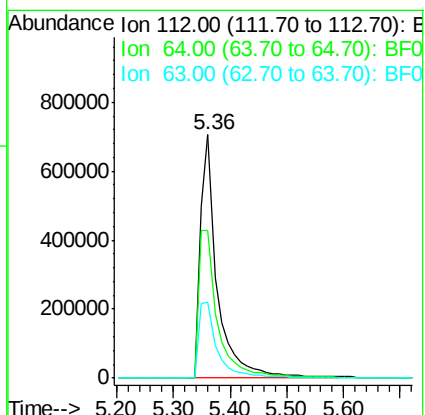
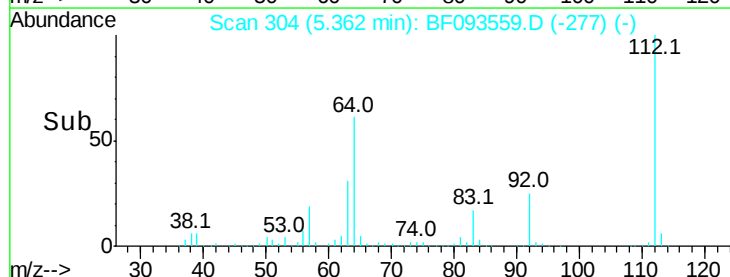
63 31.0 23.8 35.6

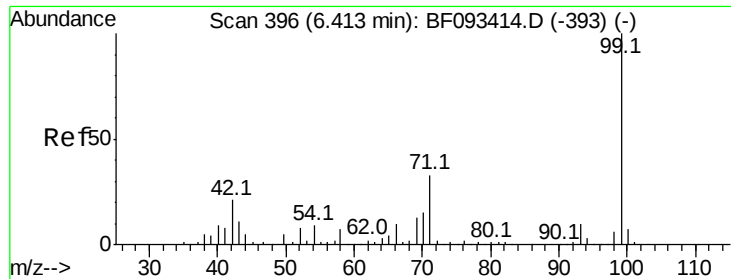


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 126.24 ng

RT: 6.41 min Scan# 396

Delta R.T. 0.00 min

Lab File: BF093559.D

Acq: 11 Mar 2017 8:34

Instrument :

BNA\_F

ClientSampleId :

TP-5-TP-4-COMP-0-12FT

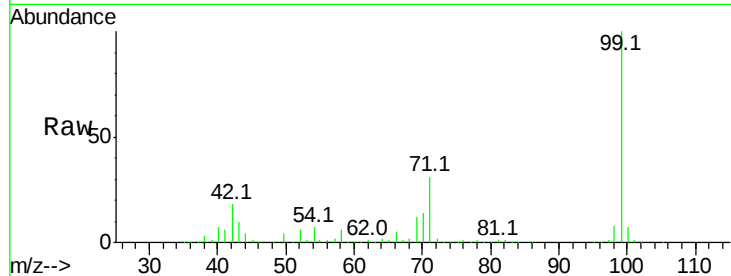
Tot Ion: 99 Resp: 1664224

Ion Ratio Lower Upper

99 100

42 18.3 15.6 23.4

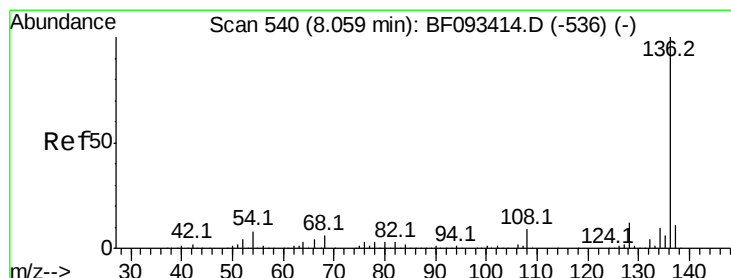
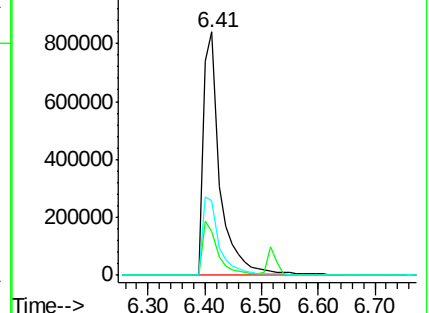
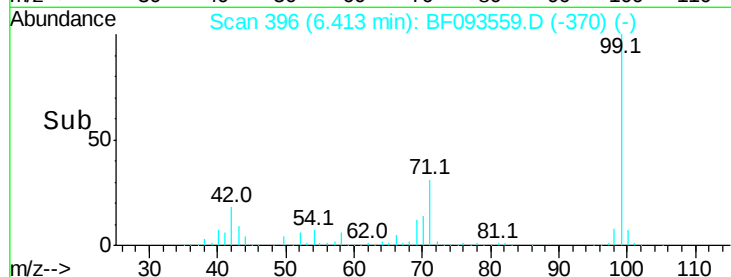
71 30.6 27.5 41.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 537

Delta R.T. -0.03 min

Lab File: BF093559.D

Acq: 11 Mar 2017 8:34

Tgt Ion: 136 Resp: 725407

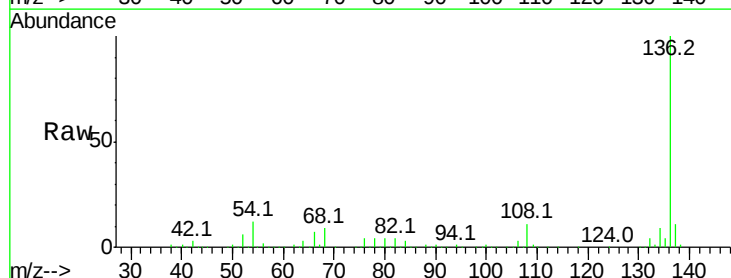
Ion Ratio Lower Upper

136 100

137 11.4 8.4 12.6

54 12.4 4.5 6.7#

68 8.8 3.6 5.4#

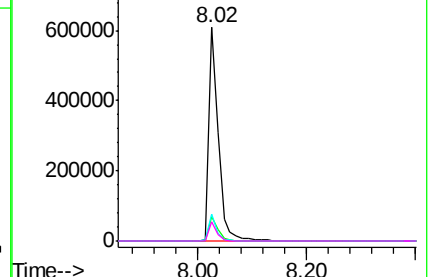
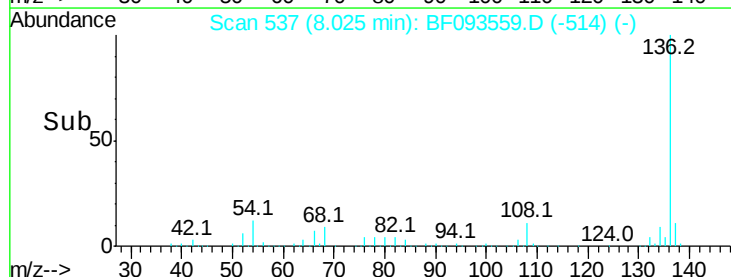


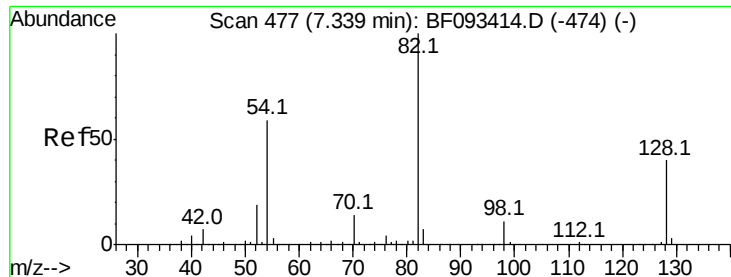
Abundance Ion 136.00 (135.70 to 136.70): E

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



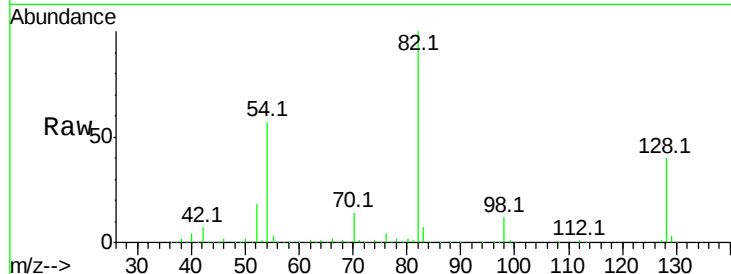


#23  
 Nitrobenzene-d5  
 Concen: 92.22 ng  
 RT: 7.32 min Scan# 475  
 Delta R.T. -0.02 min  
 Lab File: BF093559.D  
 Acq: 11 Mar 2017 8:34

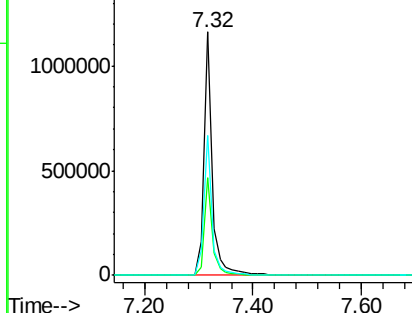
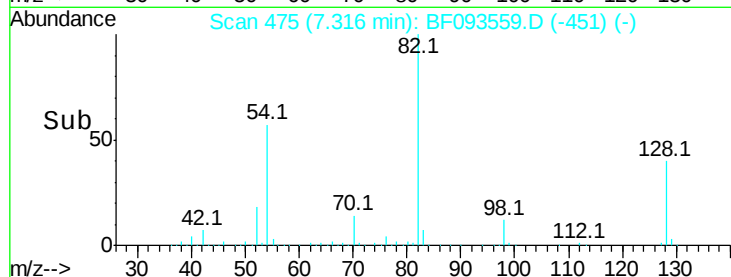
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-5-TP-4-COMP-0-12FT

Tot Ion: 82 Resp: 1205668

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 40.2  | 34.6  | 52.0  |
| 54  | 57.4  | 39.5  | 59.3  |



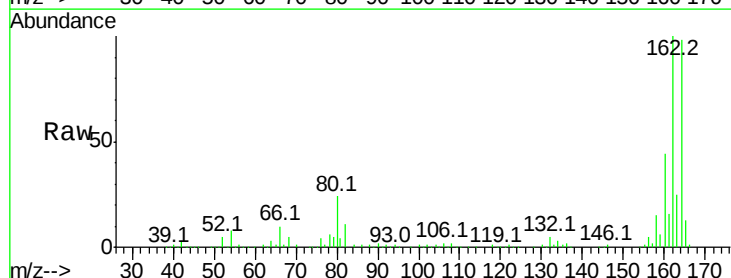
Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): BF0  
 Ion 54.00 (53.70 to 54.70): BF0



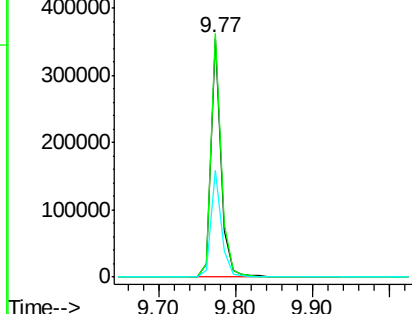
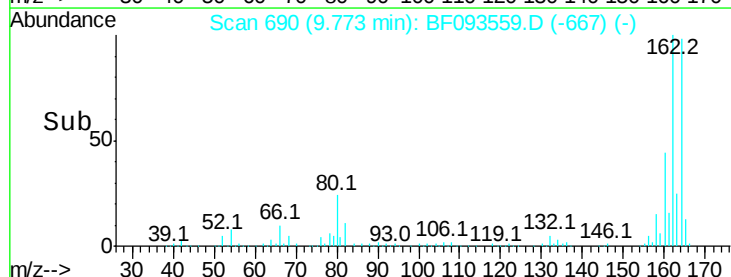
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.77 min Scan# 690  
 Delta R.T. -0.03 min  
 Lab File: BF093559.D  
 Acq: 11 Mar 2017 8:34

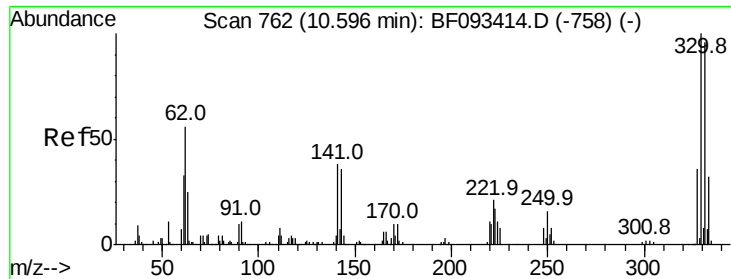
Tgt Ion: 164 Resp: 318485

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 101.9 | 80.2  | 120.2 |
| 160 | 44.8  | 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

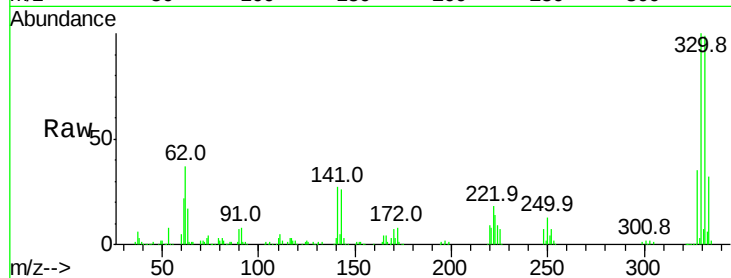




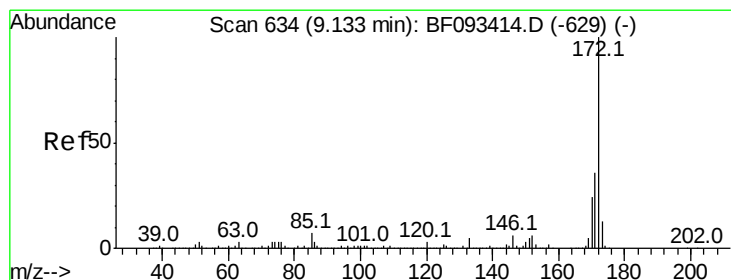
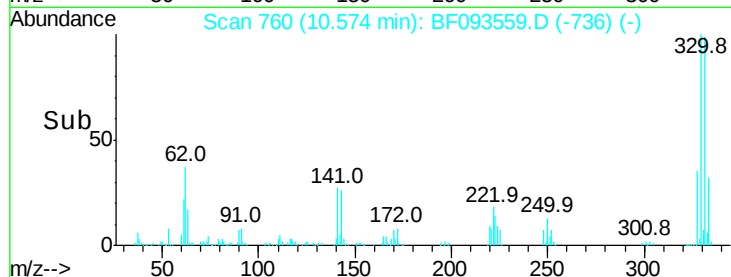
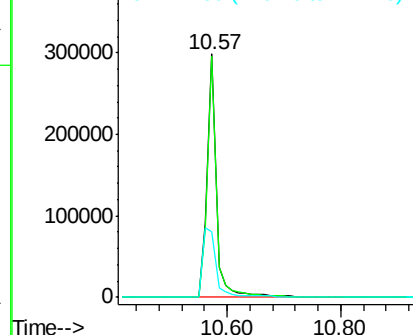
#41  
 2,4,6-Tribromophenol  
 Concen: 160.07 ng  
 RT: 10.57 min Scan# 760  
 Delta R.T. -0.02 min  
 Lab File: BF093559.D  
 Acq: 11 Mar 2017 8:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-5-TP-4-COMP-0-12FT

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.8  | 77.4  | 116.2 |
| 141     | 42.5  | 34.1  | 51.1  |

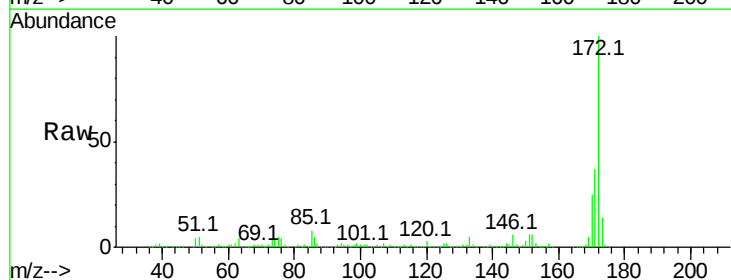


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

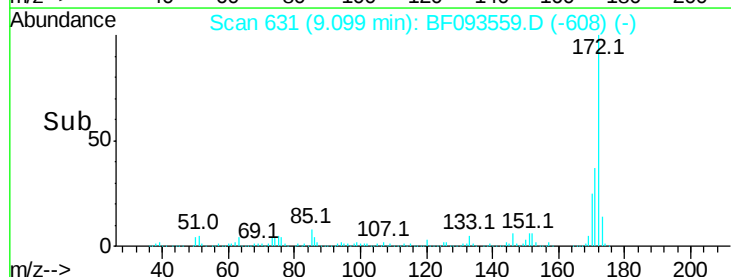
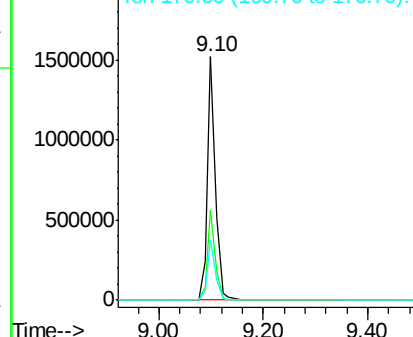


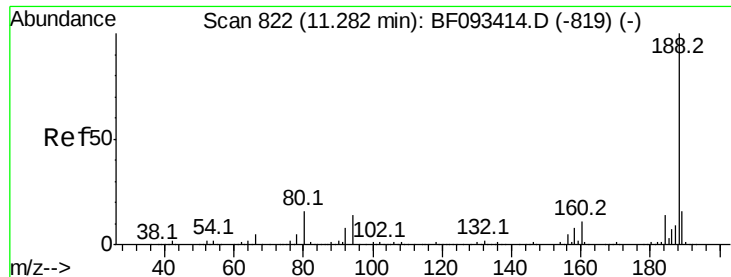
#44  
 2-Fluorobiphenyl  
 Concen: 95.17 ng  
 RT: 9.10 min Scan# 631  
 Delta R.T. -0.03 min  
 Lab File: BF093559.D  
 Acq: 11 Mar 2017 8:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.9  | 29.4  | 44.0  |
| 170     | 25.0  | 20.2  | 30.4  |



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

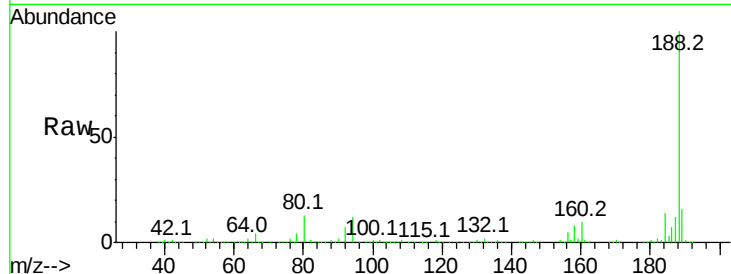




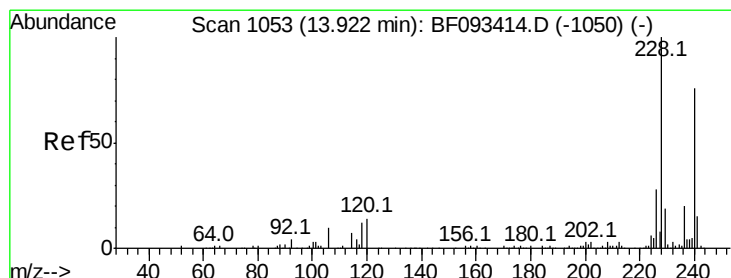
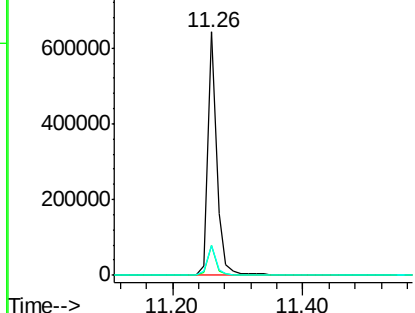
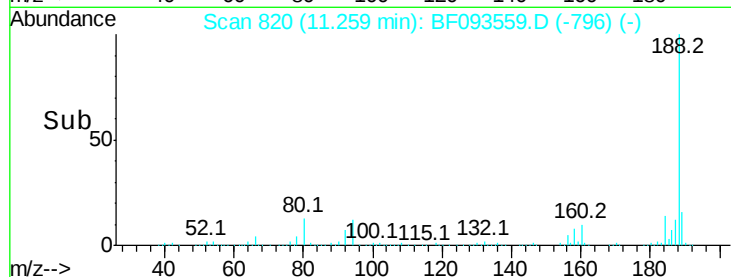
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.26 min Scan# 820  
Delta R.T. -0.02 min  
Lab File: BF093559.D  
Acq: 11 Mar 2017 8:34

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5-TP-4-COMP-0-12FT

Tot Ion:188 Resp: 615372  
Ion Ratio Lower Upper  
188 100  
94 12.1 10.0 15.0  
80 12.5 11.2 16.8

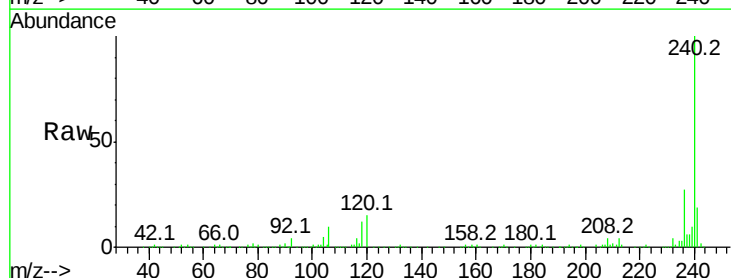


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

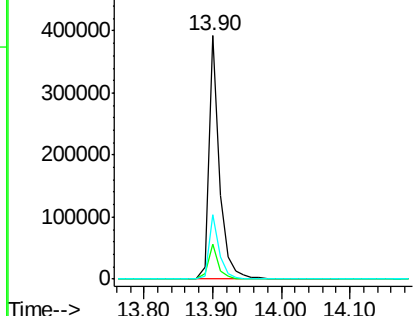
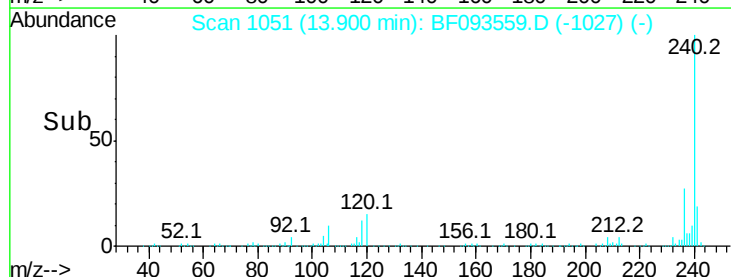


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.90 min Scan# 1051  
Delta R.T. -0.02 min  
Lab File: BF093559.D  
Acq: 11 Mar 2017 8:34

Tgt Ion:240 Resp: 420335  
Ion Ratio Lower Upper  
240 100  
120 14.6 12.9 19.3  
236 26.5 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

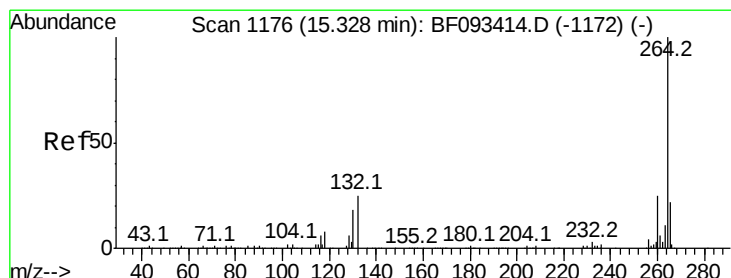
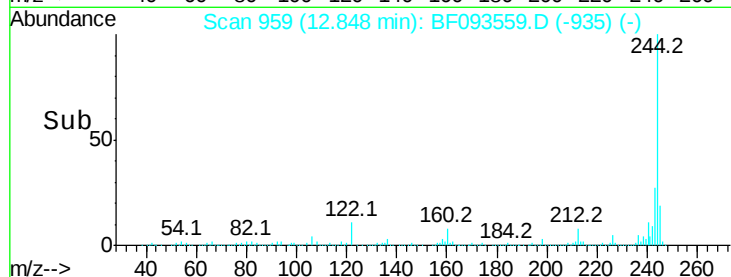
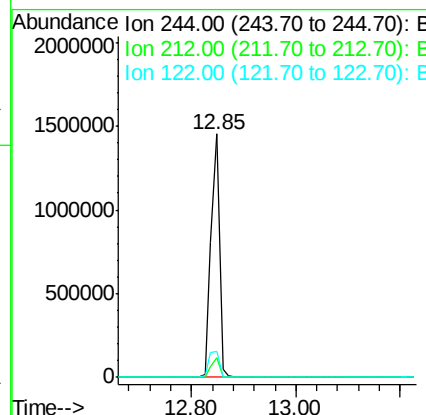
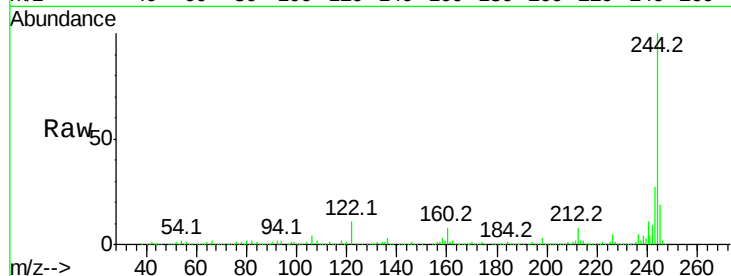




#78  
 Terphenyl-d14  
 Concen: 99.97 ng  
 RT: 12.85 min Scan# 959  
 Delta R.T. -0.02 min  
 Lab File: BF093559.D  
 Acq: 11 Mar 2017 8:34

Instrument :  
 BNA\_F  
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 TP-5-TP-4-COMP-0-12FT

Tot Ion:244 Resp: 1616284  
 Ion Ratio Lower Upper  
 244 100  
 212 8.0 6.2 9.2  
 122 10.9 11.4 17.2#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.32 min Scan# 1175  
 Delta R.T. -0.01 min  
 Lab File: BF093559.D  
 Acq: 11 Mar 2017 8:34

Tgt Ion:264 Resp: 97819  
 Ion Ratio Lower Upper  
 264 100  
 260 33.1 19.2 28.8#  
 265 21.8 17.4 26.0

