

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010317\  
 Data File : BF092065.D  
 Acq On : 3 Jan 2017 17:21  
 Operator : UM/SJ  
 Sample : H6322-04  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP9-COMP9

Quant Time: Jan 04 00:42:09 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 17:32:10 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.66  | 152  | 170793   | 20.00  | ng    | -0.04    |
| 21) Naphthalene-d8          | 7.96  | 136  | 722920   | 20.00  | ng    | -0.04    |
| 38) Acenaphthene-d10        | 9.70  | 164  | 381679   | 20.00  | ng    | -0.05    |
| 63) Phenanthrene-d10        | 11.19 | 188  | 615281   | 20.00  | ng    | -0.04    |
| 75) Chrysene-d12            | 13.82 | 240  | 535084   | 20.00  | ng    | -0.05    |
| 86) Perylene-d12            | 15.19 | 264  | 401373   | 20.00  | ng    | -0.06    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.28  | 112  | 1612945  | 157.69 | ng    | -0.04    |
| 7) Phenol-d6                | 6.33  | 99   | 1540953  | 123.39 | ng    | -0.05    |
| 23) Nitrobenzene-d5         | 7.24  | 82   | 1112911  | 85.60  | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol    | 10.50 | 330  | 510904   | 161.75 | ng    | -0.04    |
| 44) 2-Fluorobiphenyl        | 9.04  | 172  | 2149330  | 120.82 | ng    | -0.04    |
| 78) Terphenyl-d14           | 12.78 | 244  | 1893673  | 85.83  | ng    | -0.04    |

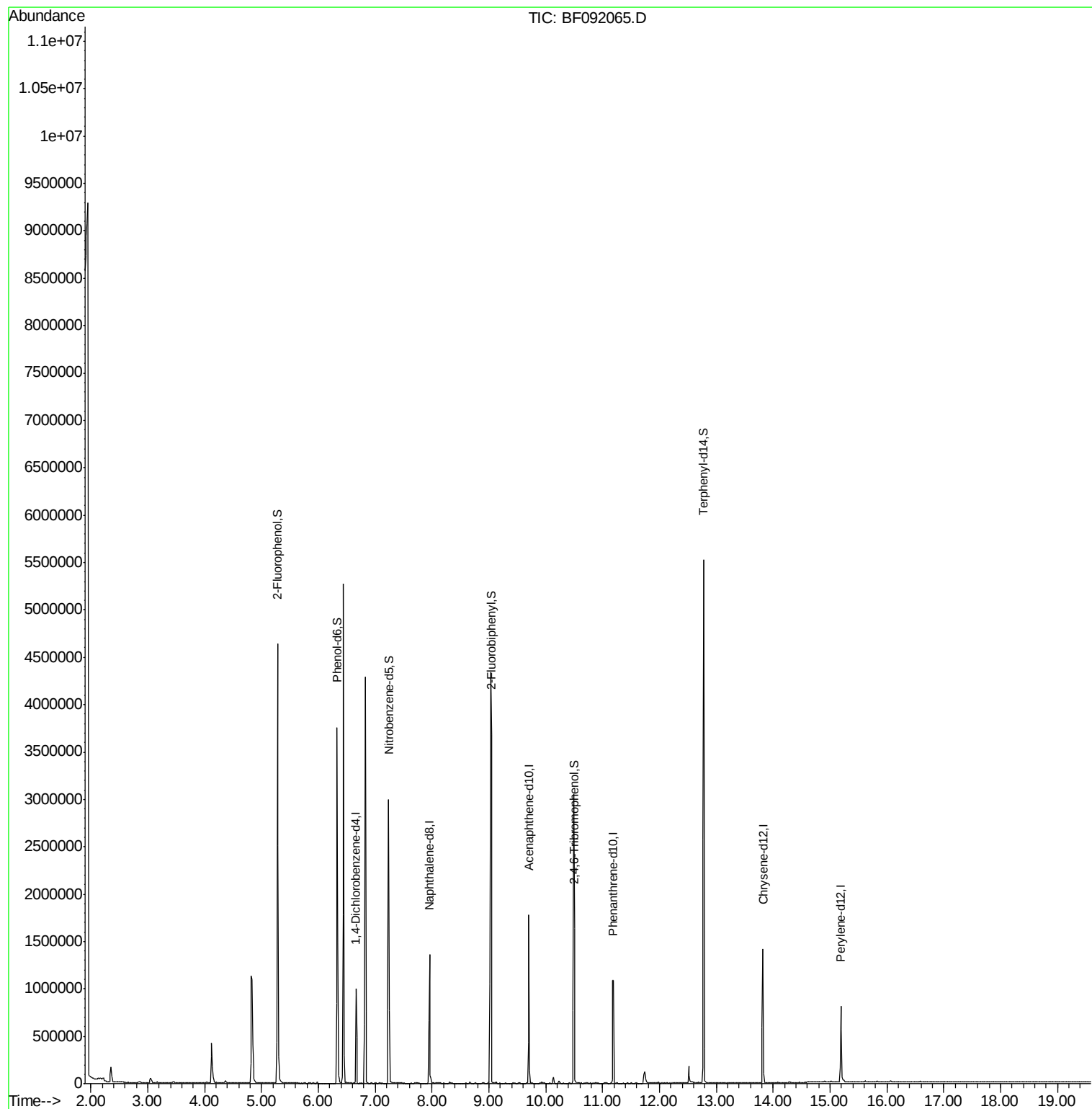
Target Compounds Qvalue

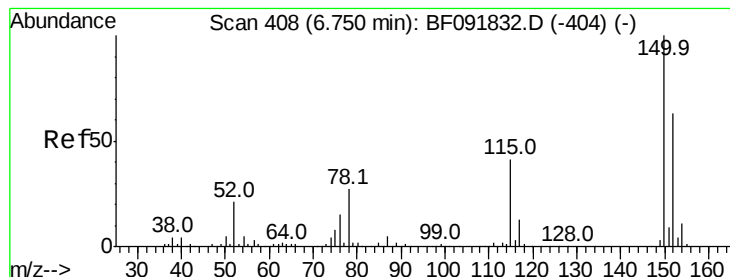
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_F  
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TP9-COMP9

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 28 17:32:10 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 418

Delta R.T. -0.04 min

Lab File: BF092065.D

Acq: 3 Jan 2017 17:21

Instrument :

BNA\_F

ClientSampleId :

TP9-COMP9

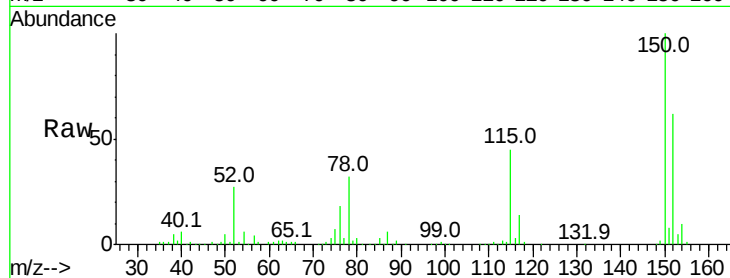
Tot Ion:152 Resp: 170793

Ion Ratio Lower Upper

152 100

150 161.0 124.9 187.3

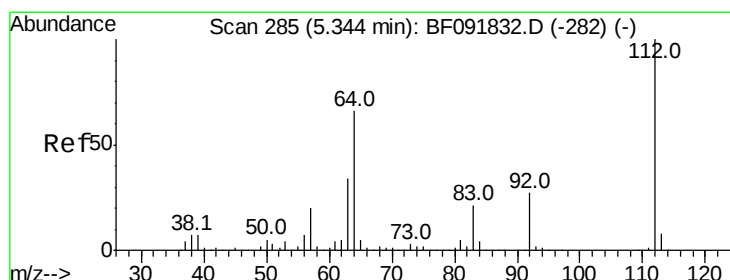
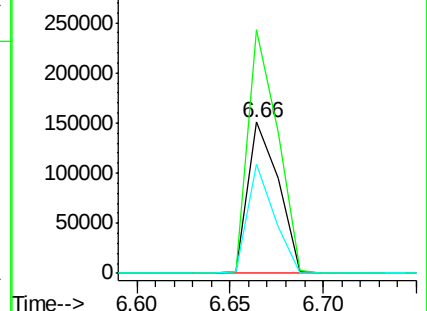
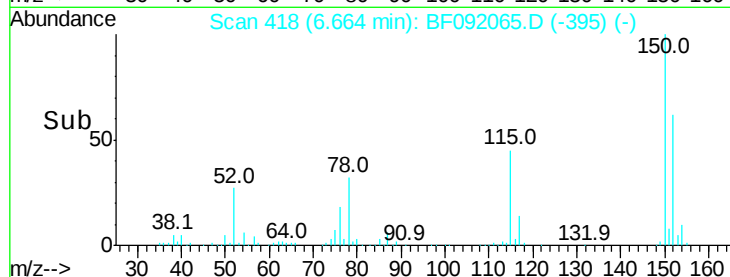
115 72.6 46.0 69.0#



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: 157.69 ng

RT: 5.28 min Scan# 297

Delta R.T. -0.04 min

Lab File: BF092065.D

Acq: 3 Jan 2017 17:21

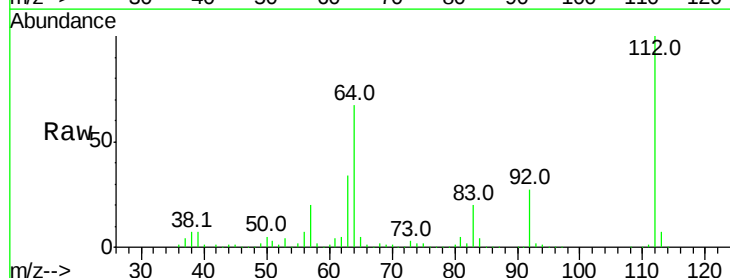
Tgt Ion:112 Resp: 1612945

Ion Ratio Lower Upper

112 100

64 67.2 46.1 69.1

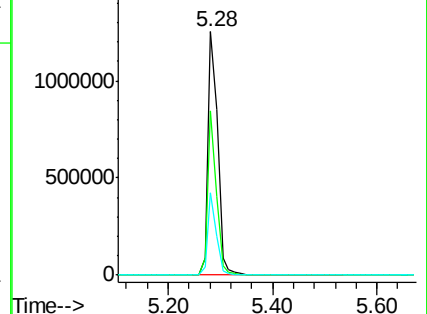
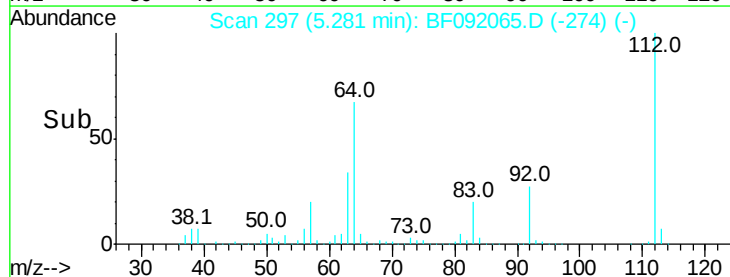
63 33.7 23.8 35.6



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: 123.39 ng

RT: 6.33 min Scan# 389

Delta R.T. -0.05 min

Lab File: BF092065.D

Acq: 3 Jan 2017 17:21

Instrument :

BNA\_F

ClientSampleId :

TP9-COMP9

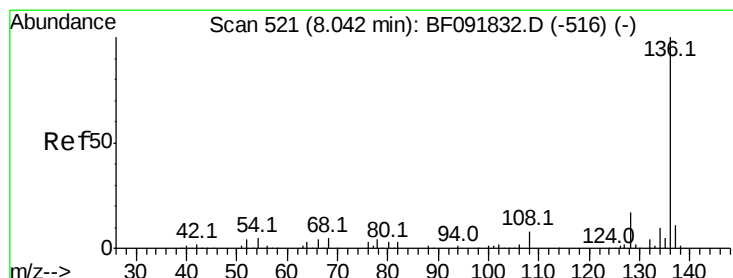
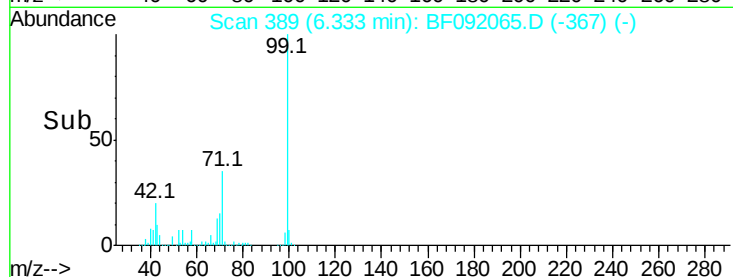
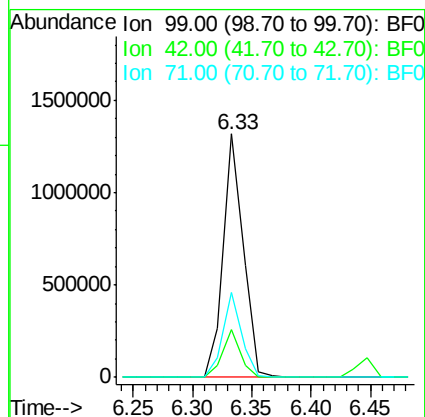
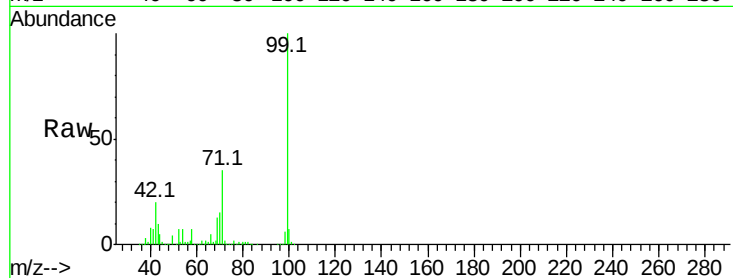
Tot Ion: 99 Resp: 1540953

Ion Ratio Lower Upper

99 100

42 19.7 15.6 23.4

71 35.0 27.5 41.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 531

Delta R.T. -0.04 min

Lab File: BF092065.D

Acq: 3 Jan 2017 17:21

Tgt Ion: 136 Resp: 722920

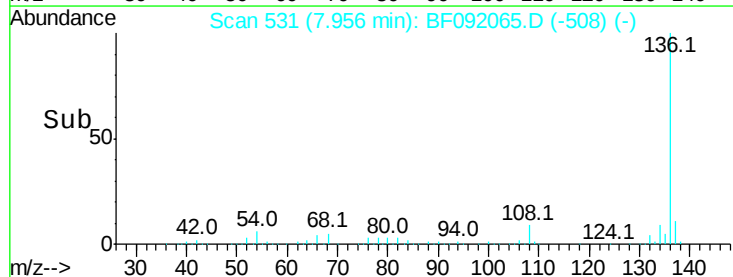
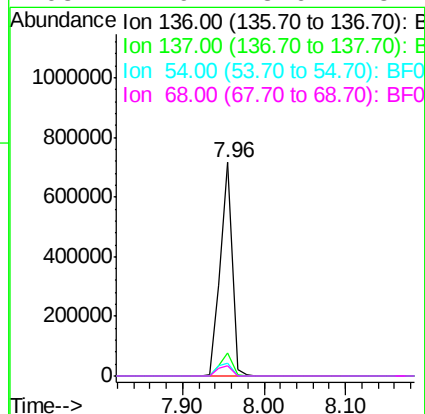
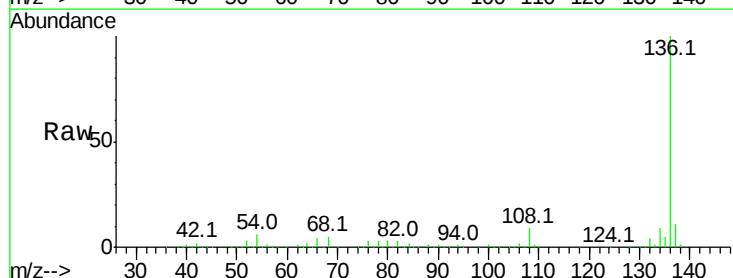
Ion Ratio Lower Upper

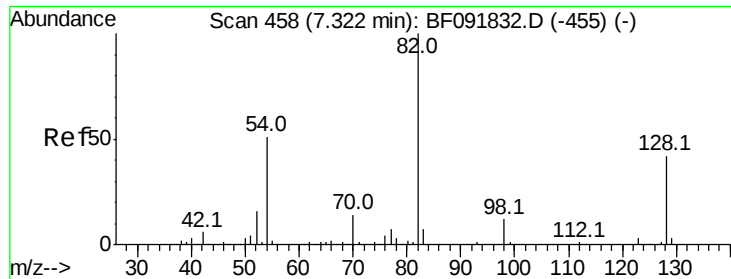
136 100

137 10.8 8.4 12.6

54 6.2 4.5 6.7

68 4.9 3.6 5.4



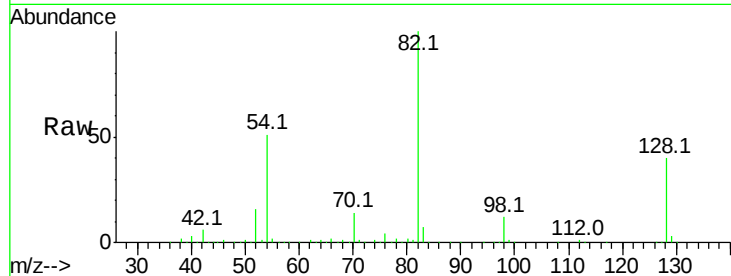


#23  
 Nitrobenzene-d5  
 Concen: 85.60 ng  
 RT: 7.24 min Scan# 468  
 Delta R.T. -0.05 min  
 Lab File: BF092065.D  
 Acq: 3 Jan 2017 17:21

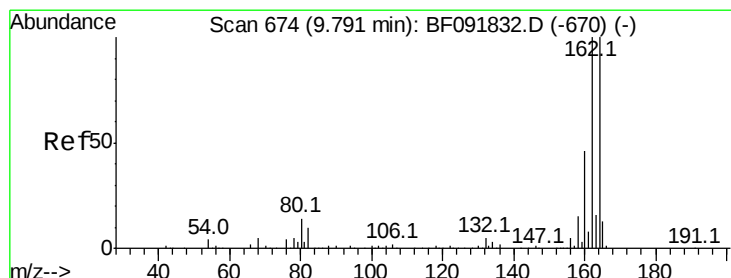
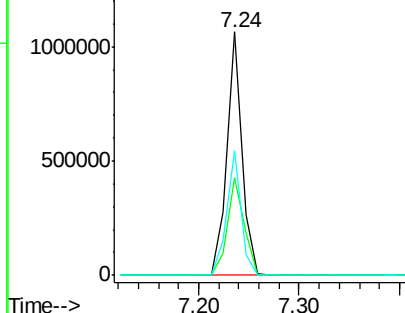
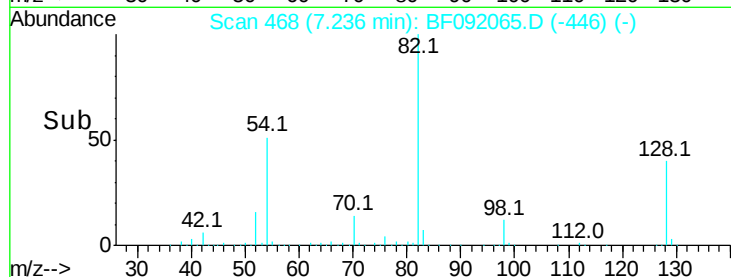
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP9-COMP9

Tot Ion: 82 Resp: 1112911  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 39.9  | 34.6  | 52.0  |
| 54  | 51.1  | 39.5  | 59.3  |



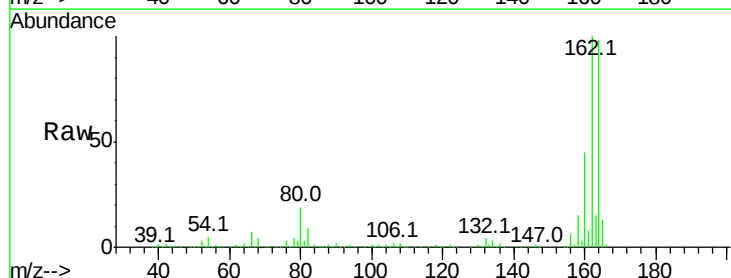
Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0



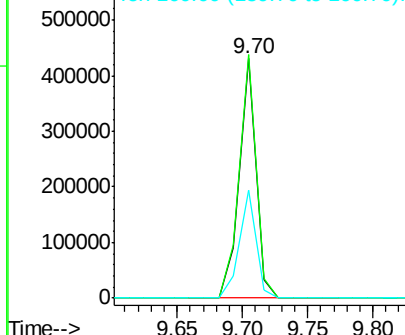
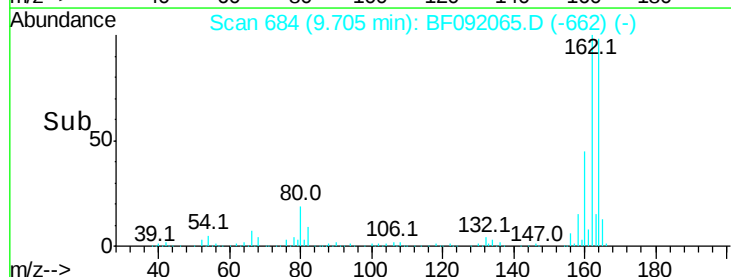
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.70 min Scan# 684  
 Delta R.T. -0.05 min  
 Lab File: BF092065.D  
 Acq: 3 Jan 2017 17:21

Tgt Ion:164 Resp: 381679  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 101.8 | 80.2  | 120.2 |
| 160 | 45.4  | 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

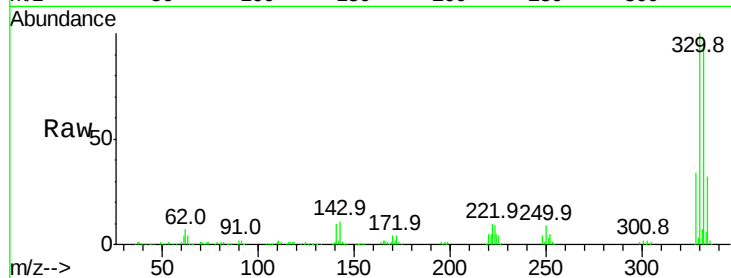




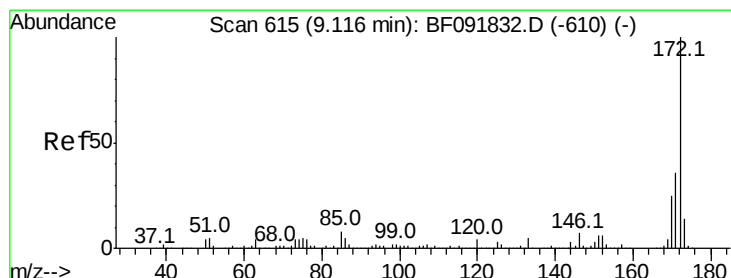
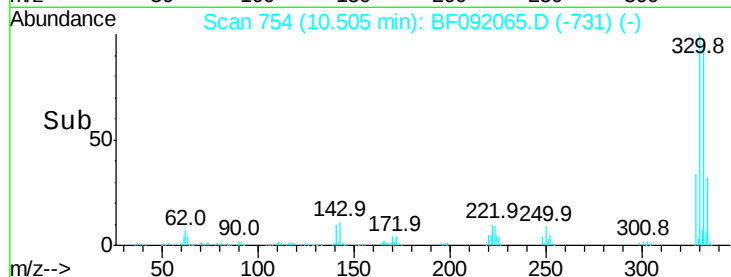
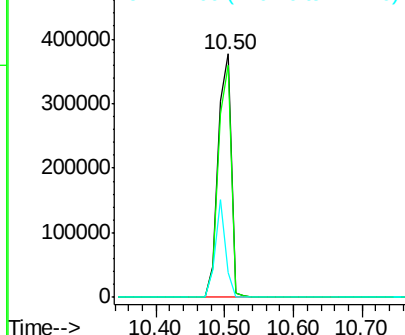
#41  
 2,4,6-Tribromophenol  
 Concen: 161.75 ng  
 RT: 10.50 min Scan# 754  
 Delta R.T. -0.04 min  
 Lab File: BF092065.D  
 Acq: 3 Jan 2017 17:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP9-COMP9

Tot Ion:330 Resp: 510904  
 Ion Ratio Lower Upper  
 330 100  
 332 94.3 77.4 116.2  
 141 31.9 34.1 51.1#

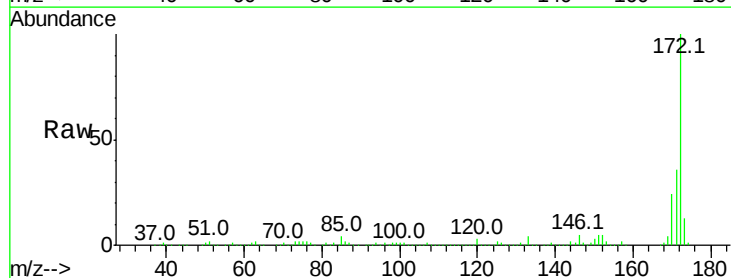


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

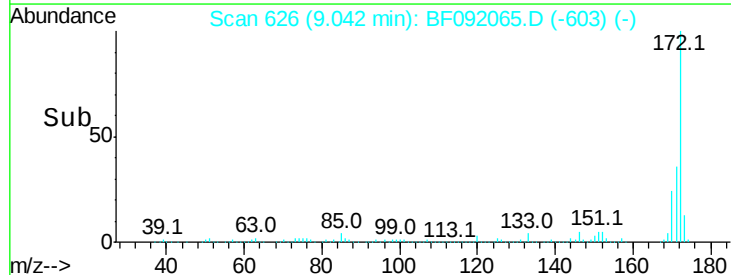
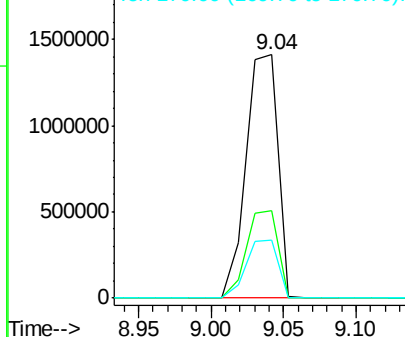


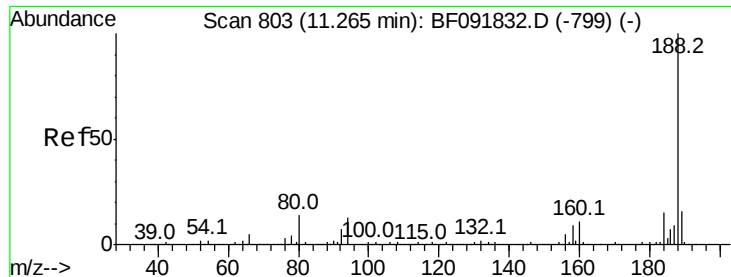
#44  
 2-Fluorobiphenyl  
 Concen: 120.82 ng  
 RT: 9.04 min Scan# 626  
 Delta R.T. -0.04 min  
 Lab File: BF092065.D  
 Acq: 3 Jan 2017 17:21

Tgt Ion:172 Resp: 2149330  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 29.4 44.0  
 170 23.9 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

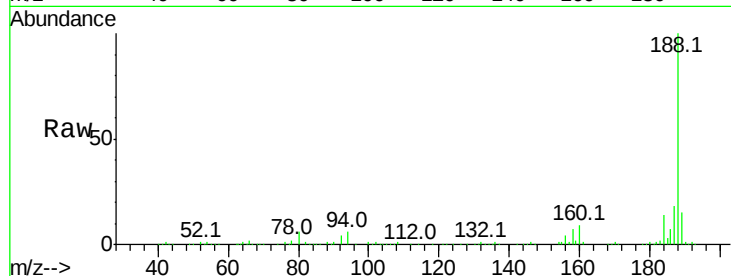




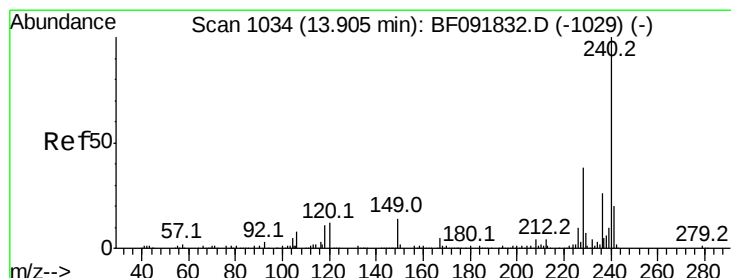
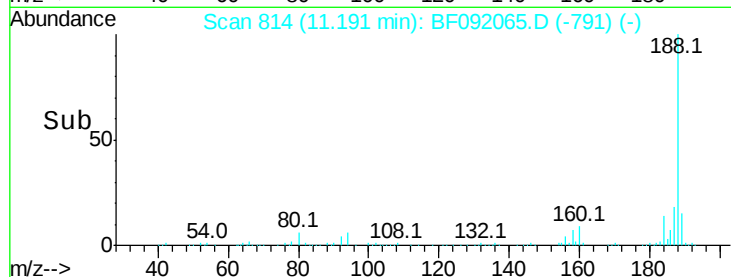
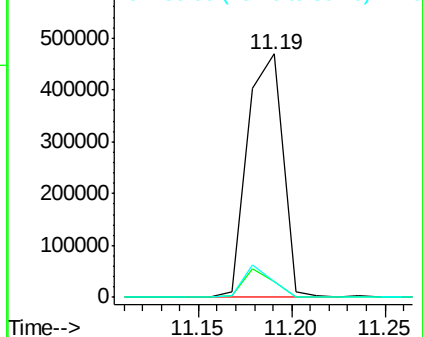
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.19 min Scan# 814  
Delta R.T. -0.04 min  
Lab File: BF092065.D  
Acq: 3 Jan 2017 17:21

Instrument :  
BNA\_F  
ClientSampleId :  
TP9-COMP9

Tot Ion:188 Resp: 615281  
Ion Ratio Lower Upper  
188 100  
94 6.3 10.0 15.0#  
80 6.3 11.2 16.8#

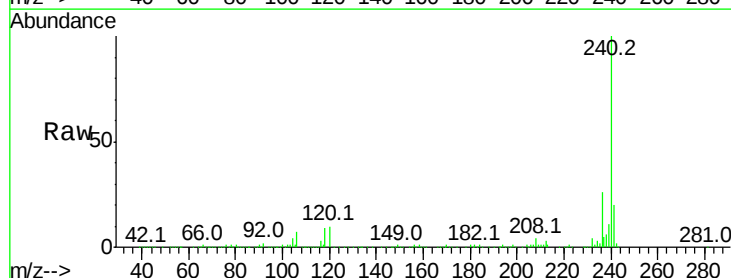


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

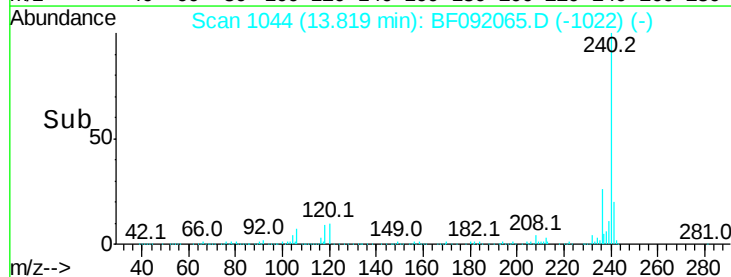
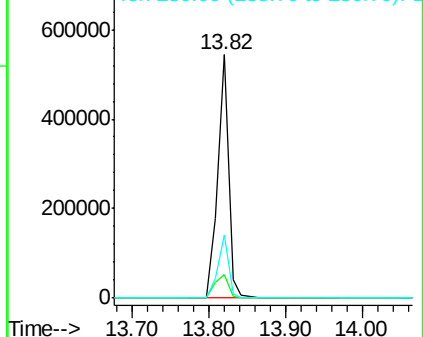


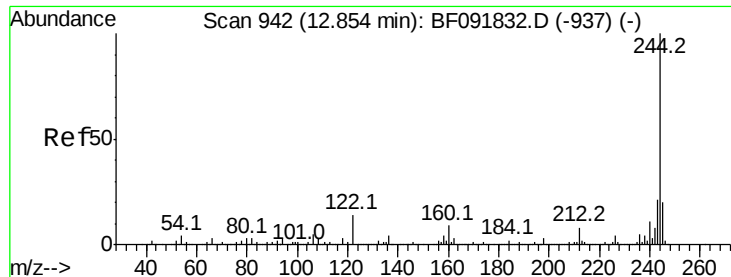
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.82 min Scan# 1044  
Delta R.T. -0.05 min  
Lab File: BF092065.D  
Acq: 3 Jan 2017 17:21

Tgt Ion:240 Resp: 535084  
Ion Ratio Lower Upper  
240 100  
120 9.8 12.9 19.3#  
236 25.7 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: 85.83 ng

RT: 12.78 min Scan# 953

Delta R.T. -0.04 min

Lab File: BF092065.D

Acq: 3 Jan 2017 17:21

Instrument :

BNA\_F

ClientSampleId :

TP9-COMP9

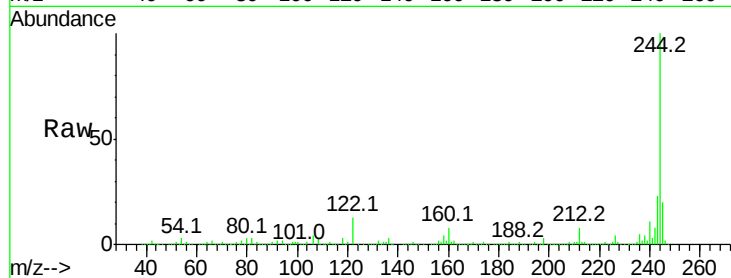
Tot Ion:244 Resp: 1893673

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

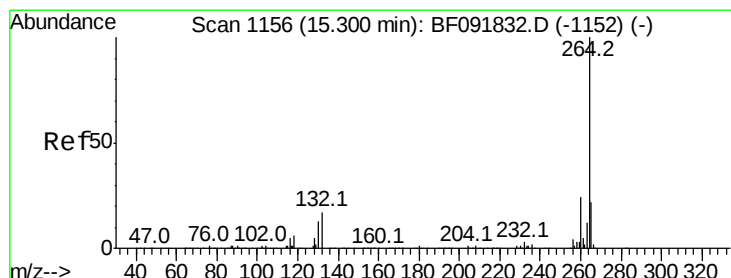
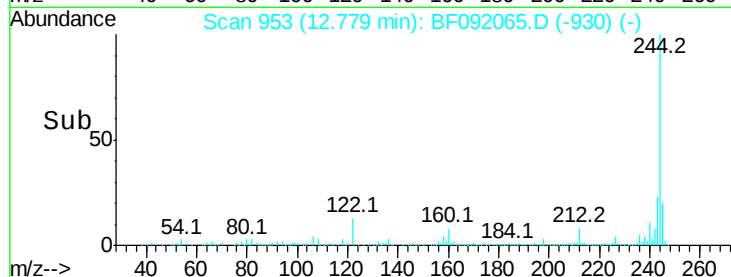
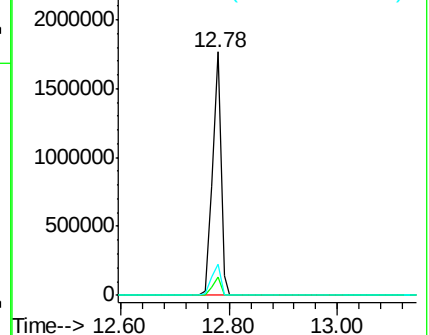
122 13.0 11.4 17.2



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.19 min Scan# 1164

Delta R.T. -0.06 min

Lab File: BF092065.D

Acq: 3 Jan 2017 17:21

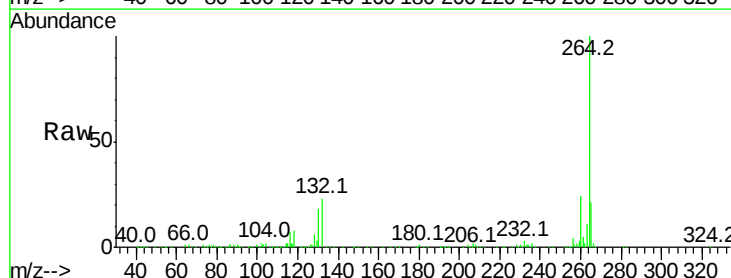
Tgt Ion:264 Resp: 401373

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 21.0 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

