

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012517\  
 Data File : BF092472.D  
 Acq On : 25 Jan 2017 13:15  
 Operator : SJ/MA  
 Sample : PB96140BL  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB96140BL

Quant Time: Jan 25 13:44:27 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 24 13:48:07 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.97  | 152  | 184753   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.26  | 136  | 742586   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 10.02 | 164  | 397097   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.52 | 188  | 702301   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 14.16 | 240  | 568846   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.63 | 264  | 459700   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.57  | 112  | 1289877  | 108.62 | ng    | 0.02     |
| 7) Phenol-d6                | 6.59  | 99   | 1576801  | 104.25 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.53  | 82   | 1073186  | 78.94  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.82 | 330  | 361991   | 133.77 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.34  | 172  | 1788667  | 83.29  | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.11 | 244  | 1540775  | 72.13  | ng    | -0.01    |

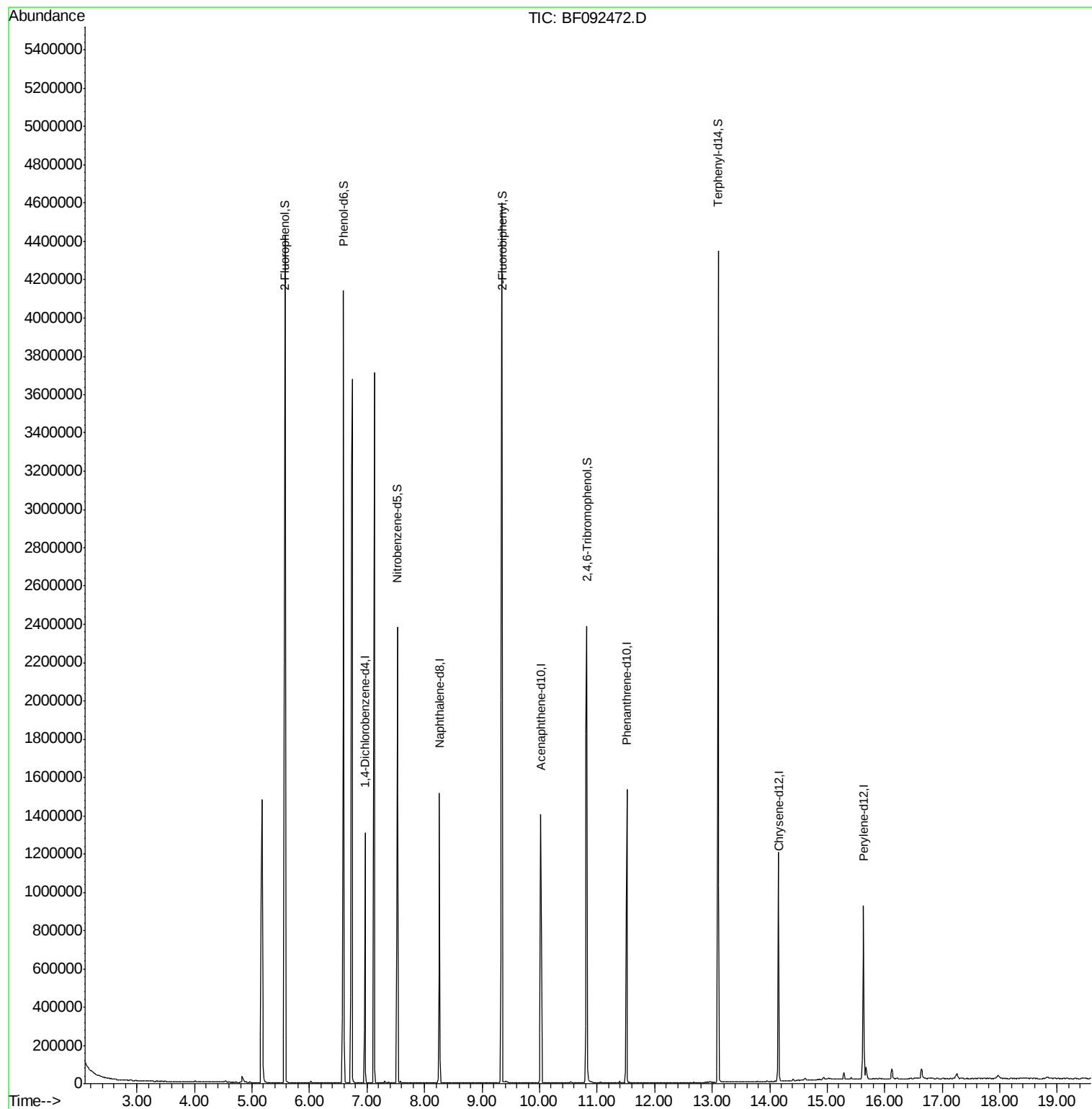
Target Compounds Qvalue

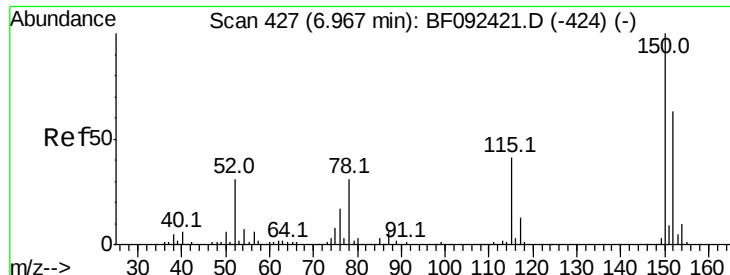
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
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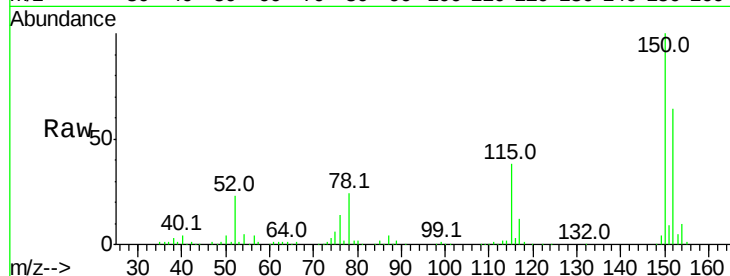


#1

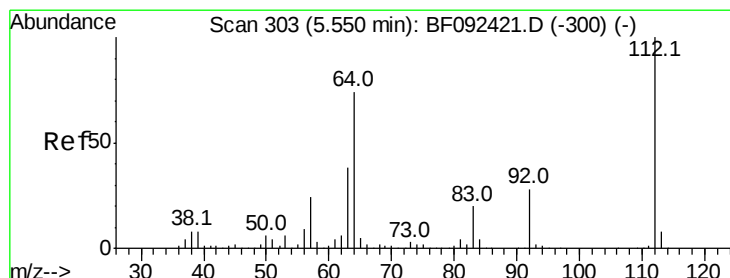
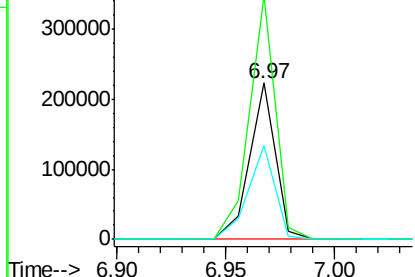
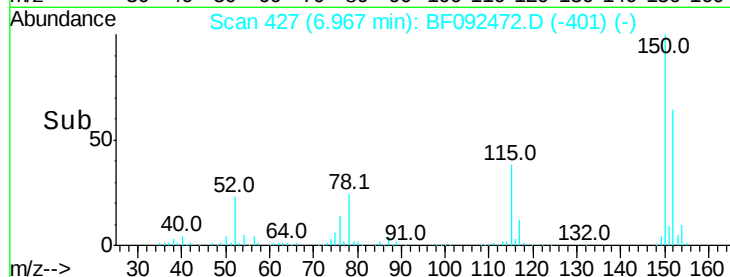
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.97 min Scan# 427  
Delta R.T. -0.00 min  
Lab File: BF092472.D  
Acq: 25 Jan 2017 13:15

Instrument :  
BNA\_F  
ClientSampleId :  
PB96140BL

Tot Ion:152 Resp: 184753  
Ion Ratio Lower Upper  
152 100  
150 155.8 124.9 187.3  
115 59.8 46.0 69.0



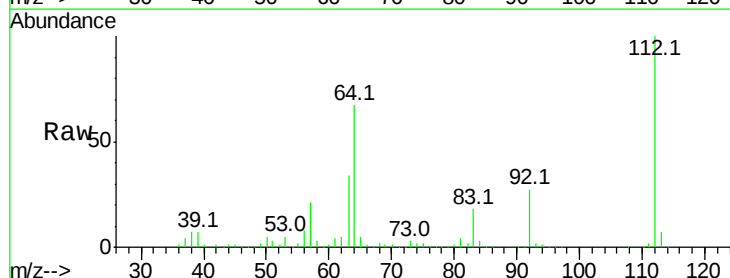
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



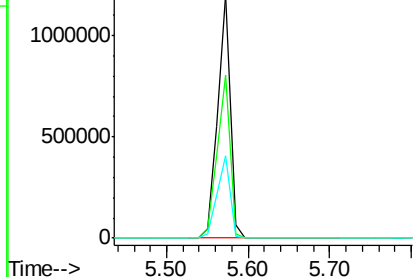
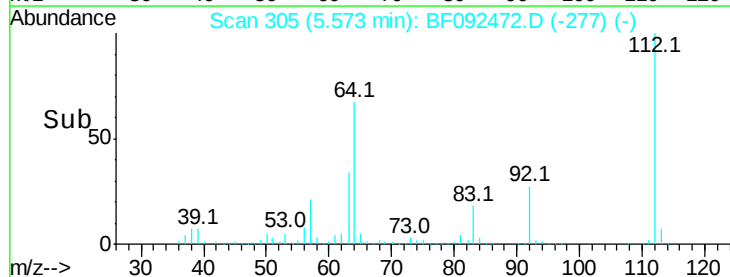
#5

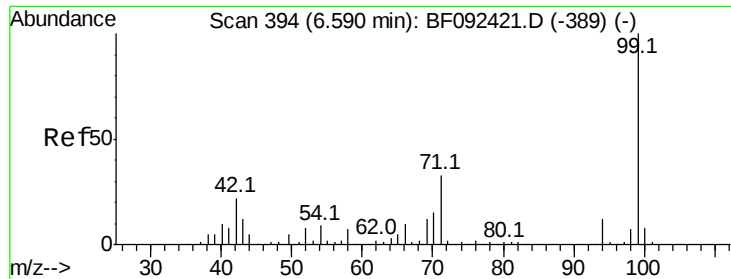
2-Fluorophenol  
Concen: 108.62 ng  
RT: 5.57 min Scan# 305  
Delta R.T. 0.02 min  
Lab File: BF092472.D  
Acq: 25 Jan 2017 13:15

Tgt Ion:112 Resp: 1289877  
Ion Ratio Lower Upper  
112 100  
64 66.9 46.1 69.1  
63 33.6 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: 104.25 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.00 min

Lab File: BF092472.D

Acq: 25 Jan 2017 13:15

Instrument :

BNA\_F

ClientSampleId :

PB96140BL

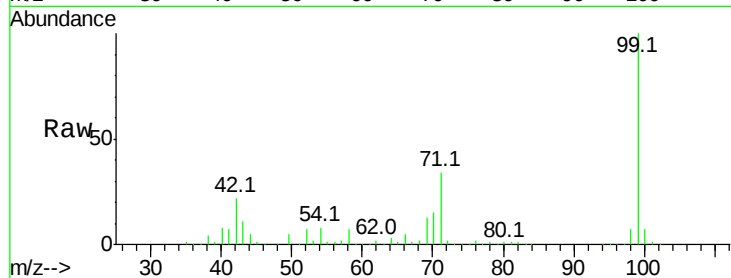
Tot Ion: 99 Resp: 1576801

Ion Ratio Lower Upper

99 100

42 21.6 15.6 23.4

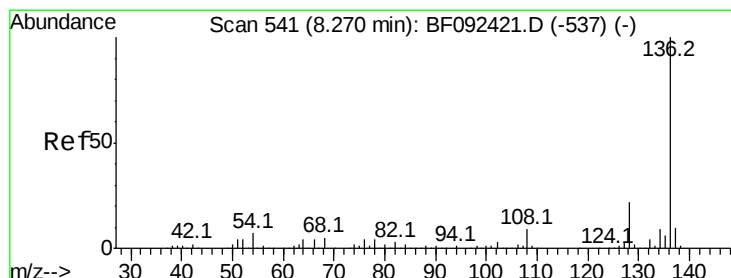
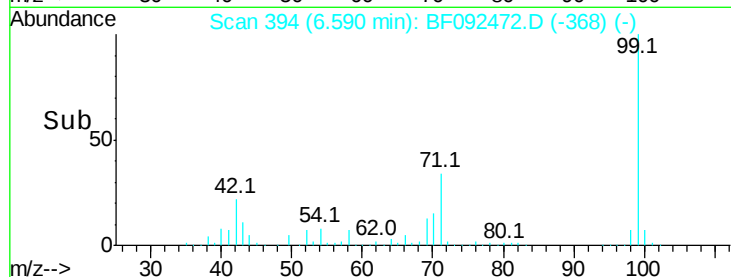
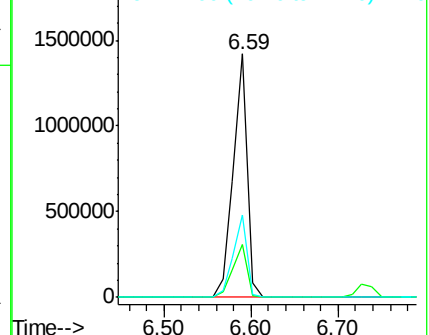
71 33.6 27.5 41.3



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: 8.26 min Scan# 540

Delta R.T. -0.01 min

Lab File: BF092472.D

Acq: 25 Jan 2017 13:15

Tgt Ion: 136 Resp: 742586

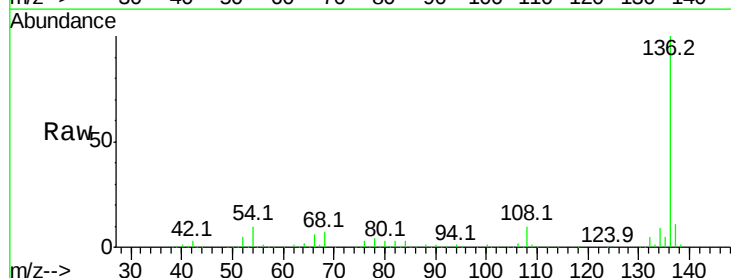
Ion Ratio Lower Upper

136 100

137 10.9 8.4 12.6

54 10.1 4.5 6.7#

68 7.0 3.6 5.4#

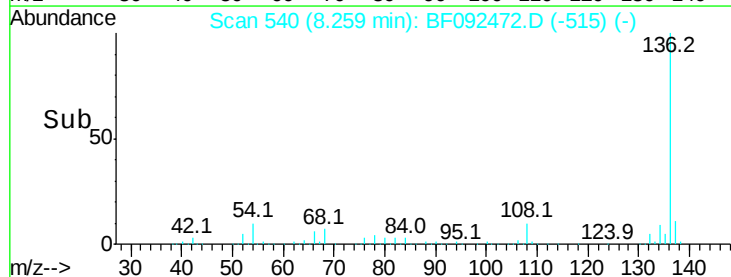
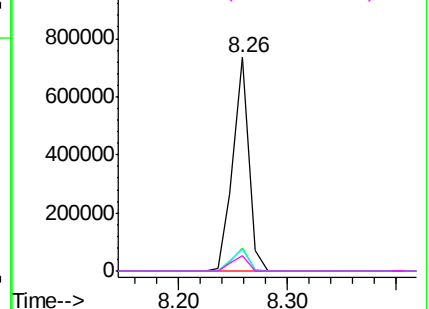


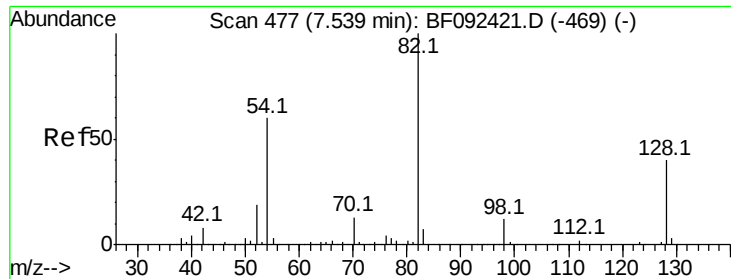
Abundance Ion 136.00 (135.70 to 136.70): E

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

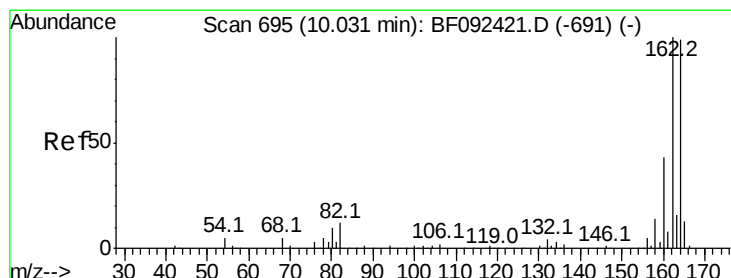
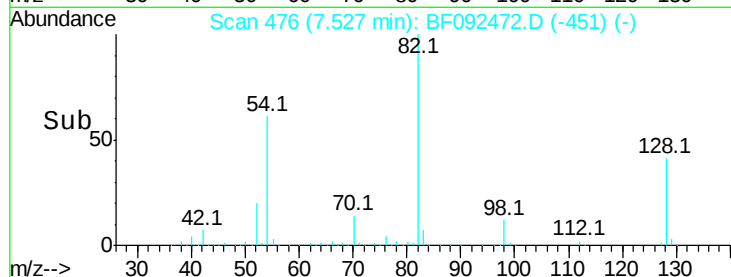
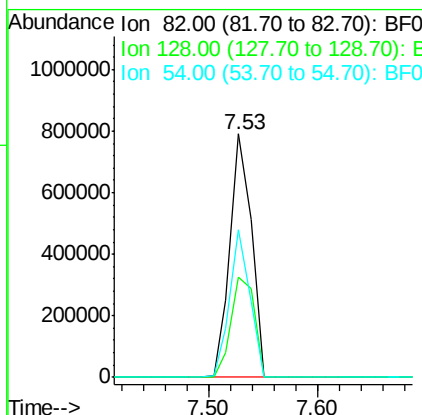
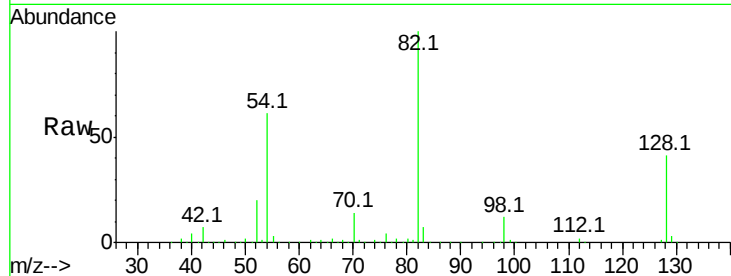




#23  
 Nitrobenzene-d5  
 Concen: 78.94 ng  
 RT: 7.53 min Scan# 476  
 Delta R.T. -0.01 min  
 Lab File: BF092472.D  
 Acq: 25 Jan 2017 13:15

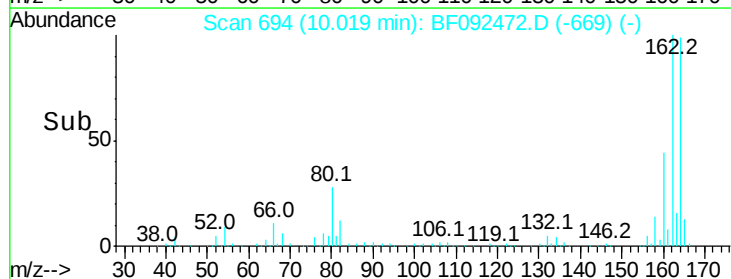
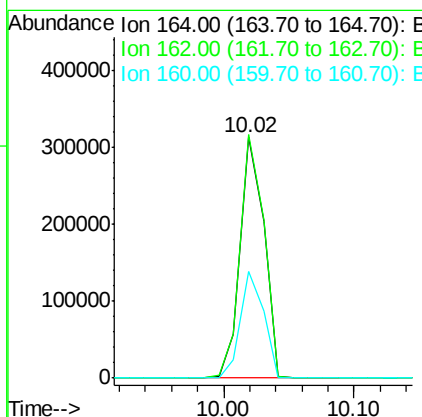
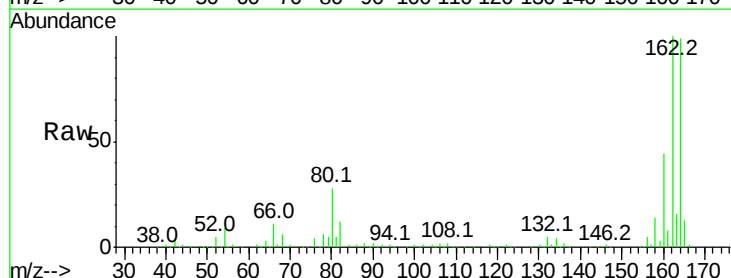
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB96140BL

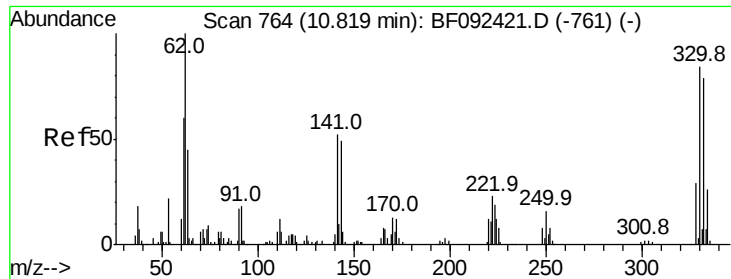
Tot Ion: 82 Resp: 1073186  
 Ion Ratio Lower Upper  
 82 100  
 128 41.4 34.6 52.0  
 54 60.6 39.5 59.3#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.02 min Scan# 694  
 Delta R.T. -0.01 min  
 Lab File: BF092472.D  
 Acq: 25 Jan 2017 13:15

Tgt Ion:164 Resp: 397097  
 Ion Ratio Lower Upper  
 164 100  
 162 101.1 80.2 120.2  
 160 44.5 36.9 55.3

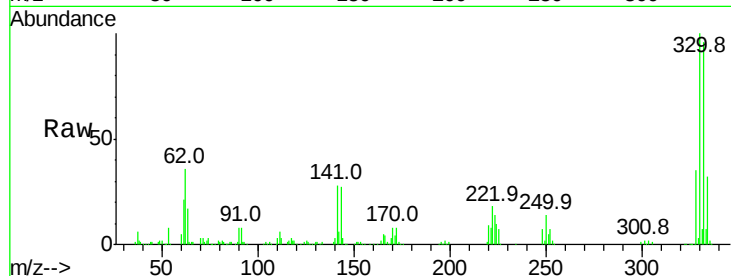




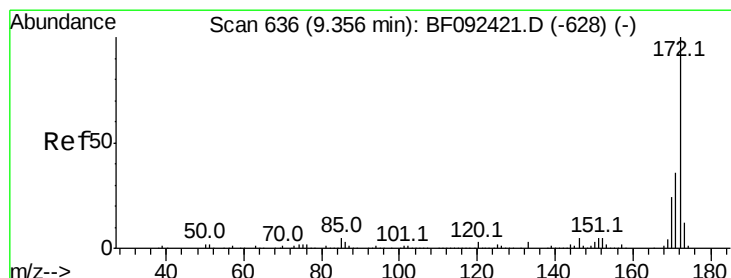
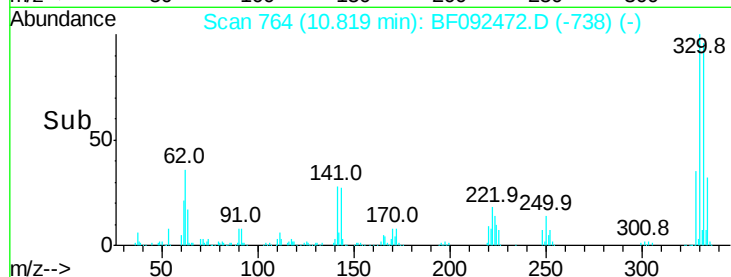
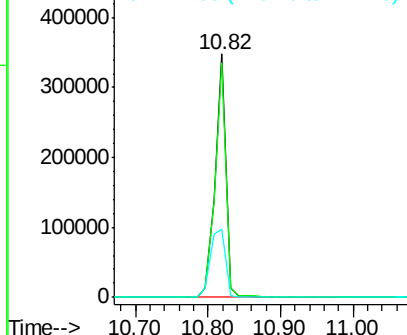
#41  
 2,4,6-Tribromophenol  
 Concen: 133.77 ng  
 RT: 10.82 min Scan# 764  
 Delta R.T. -0.00 min  
 Lab File: BF092472.D  
 Acq: 25 Jan 2017 13:15

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB96140BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.2  | 77.4  | 116.2 |
| 141     | 39.7  | 34.1  | 51.1  |

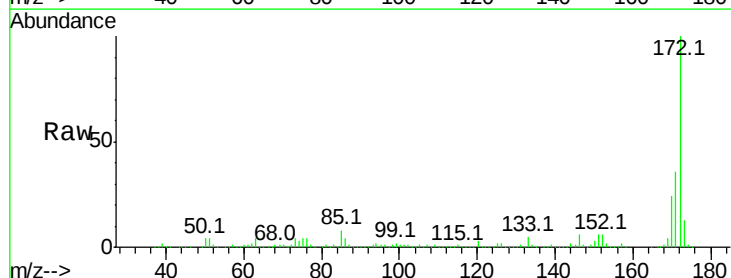


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

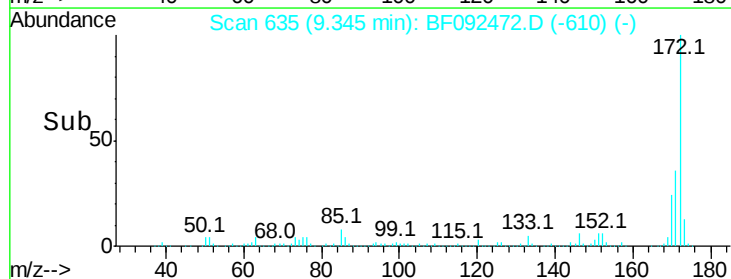
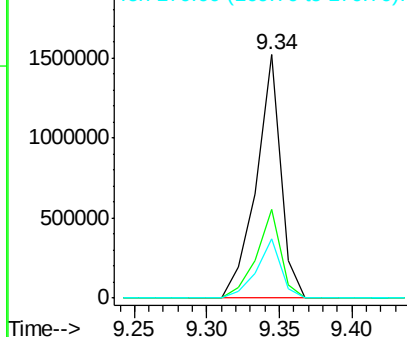


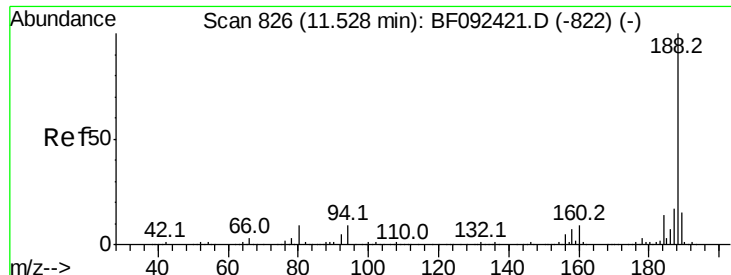
#44  
 2-Fluorobiphenyl  
 Concen: 83.29 ng  
 RT: 9.34 min Scan# 635  
 Delta R.T. -0.01 min  
 Lab File: BF092472.D  
 Acq: 25 Jan 2017 13:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.3  | 29.4  | 44.0  |
| 170     | 24.1  | 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

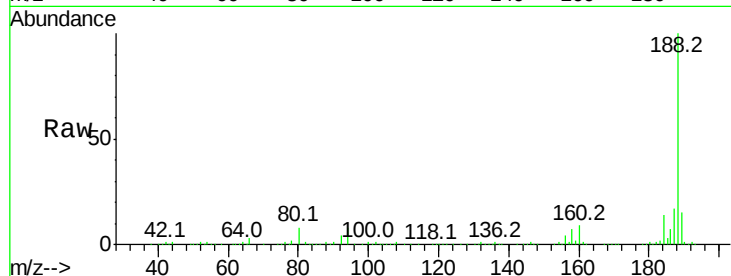




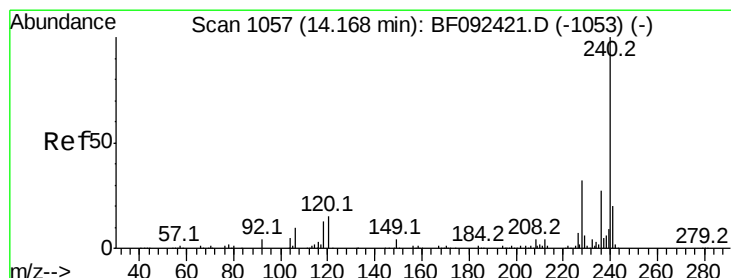
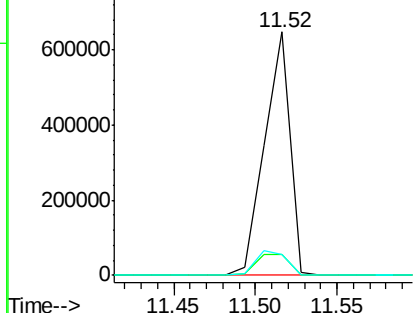
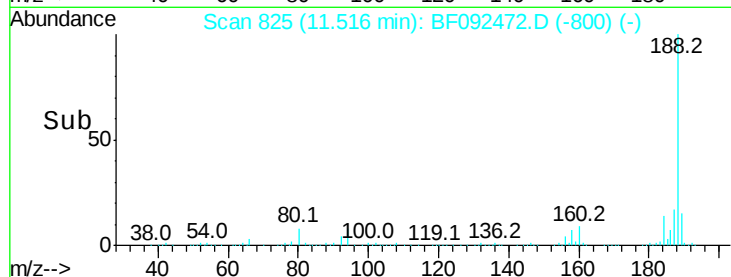
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.52 min Scan# 825  
Delta R.T. -0.01 min  
Lab File: BF092472.D  
Acq: 25 Jan 2017 13:15

Instrument :  
BNA\_F  
ClientSampleId :  
PB96140BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.4   | 10.0  | 15.0# |
| 80      | 8.3   | 11.2  | 16.8# |

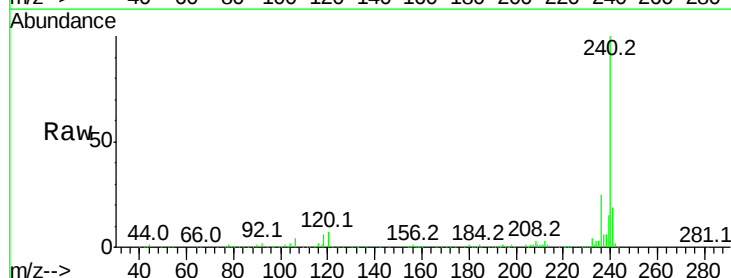


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

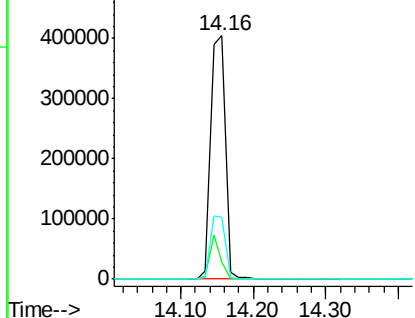
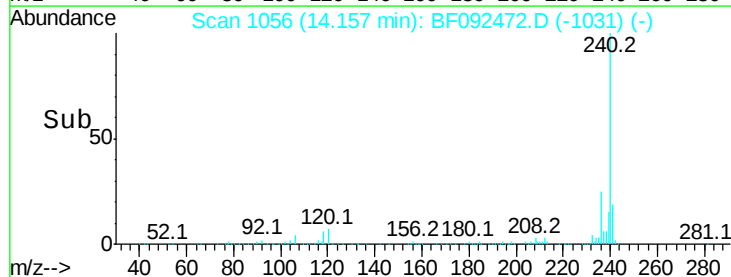


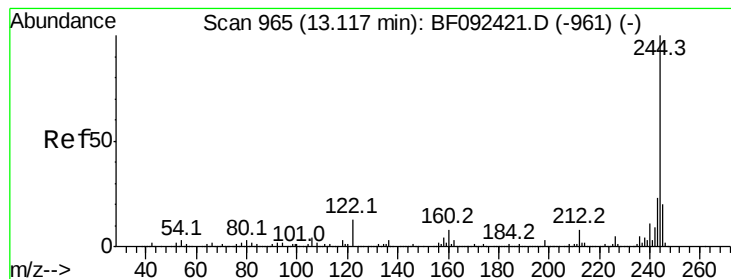
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.16 min Scan# 1056  
Delta R.T. -0.01 min  
Lab File: BF092472.D  
Acq: 25 Jan 2017 13:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 7.2   | 12.9  | 19.3# |
| 236     | 25.3  | 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: 72.13 ng

RT: 13.11 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF092472.D

Acq: 25 Jan 2017 13:15

Instrument :

BNA\_F

ClientSampleId :

PB96140BL

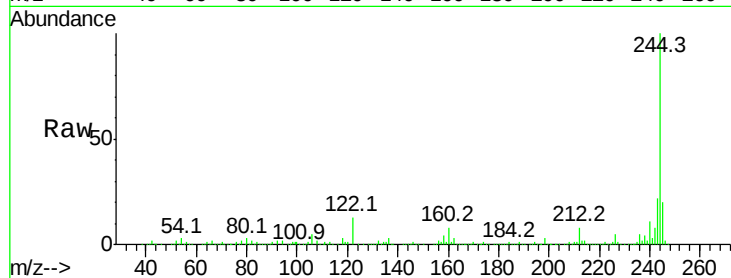
Tot Ion:244 Resp: 1540775

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

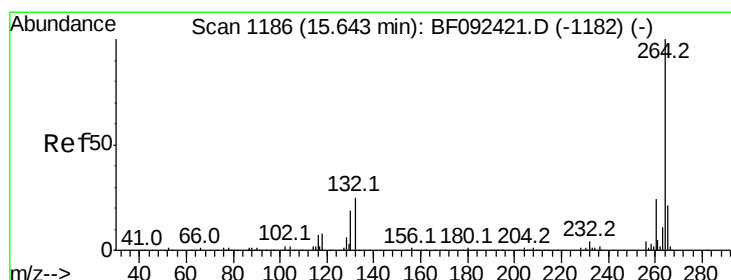
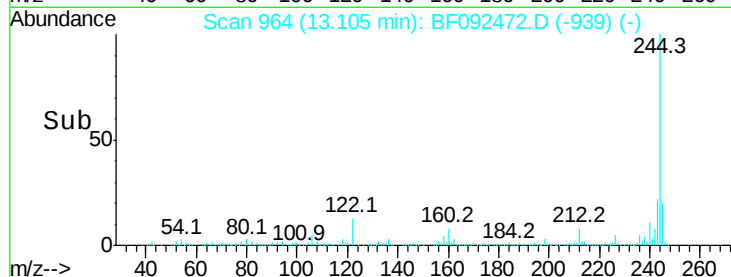
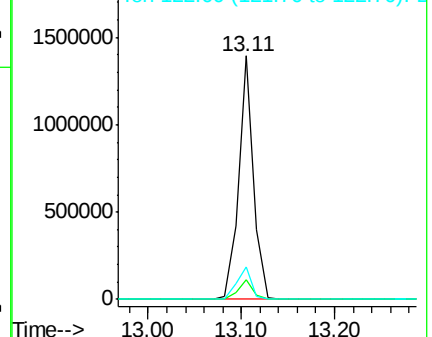
122 13.3 11.4 17.2



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: 15.63 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BF092472.D

Acq: 25 Jan 2017 13:15

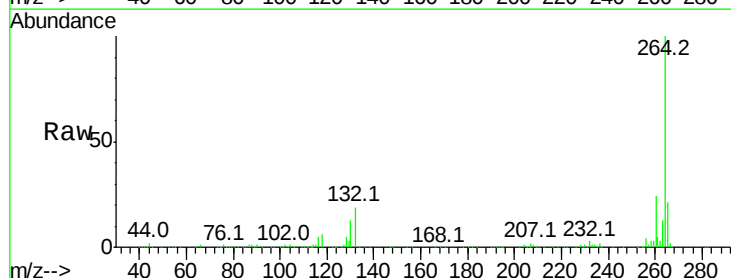
Tgt Ion:264 Resp: 459700

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 21.1 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

