

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\  
 Data File : BF115939.D  
 Acq On : 2 Aug 2019 11:47  
 Operator : HP/JU  
 Sample : PB121939TB  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121939TB

Quant Time: Aug 02 17:21:49 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 31 15:31:51 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.85  | 152  | 159680   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.13  | 136  | 609006   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.89  | 164  | 328442   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.38 | 188  | 597989   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.02 | 240  | 460988   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 15.49 | 264  | 434096   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.49  | 112  | 796998   | 83.56 | ng    | 0.02     |
| 7) Phenol-d6                | 6.49  | 99   | 987746   | 82.08 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.42  | 82   | 925156   | 87.69 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.69 | 330  | 277682   | 87.20 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.22  | 172  | 1591853  | 90.78 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.97 | 244  | 1758603  | 80.39 | ng    | 0.00     |

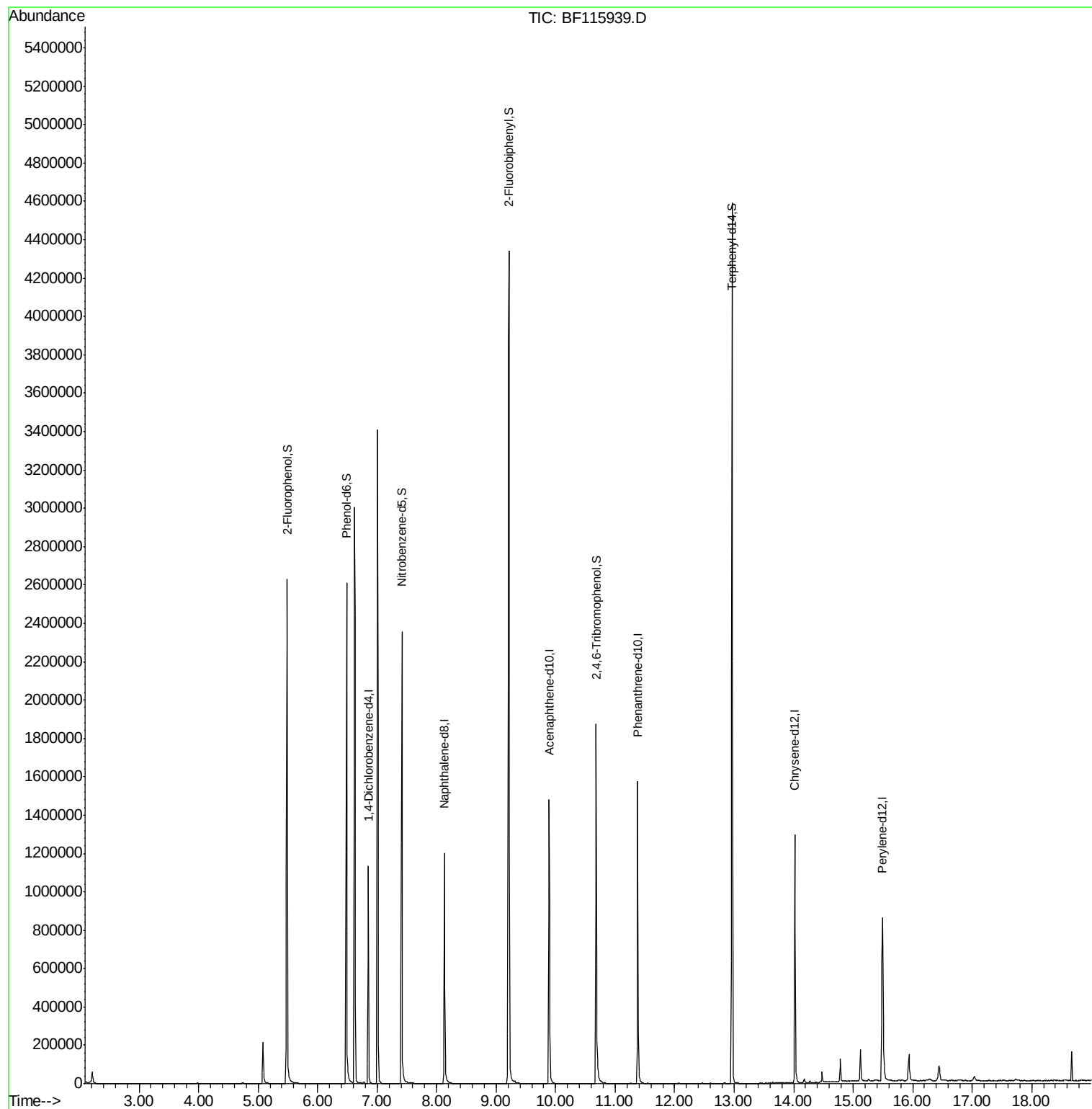
Target Compounds Qvalue

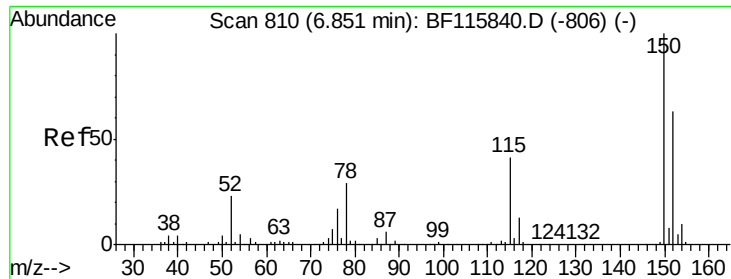
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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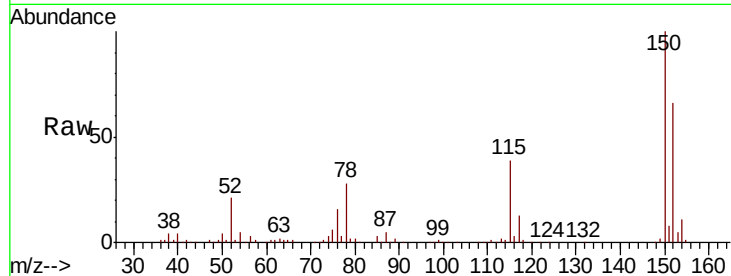


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.85 min Scan# 810  
 Delta R.T. -0.00 min  
 Lab File: BF115939.D  
 Acq: 2 Aug 2019 11:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121939TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.1 | 127.4 | 191.0 |
| 115     | 59.9  | 51.8  | 77.8  |

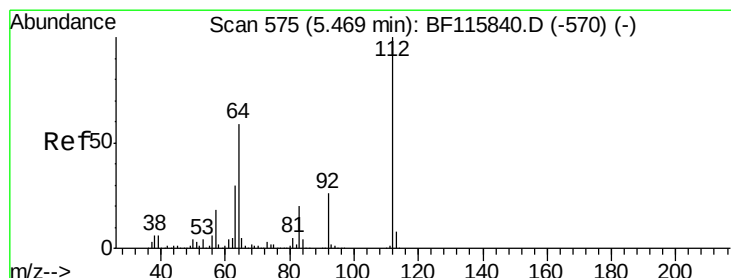
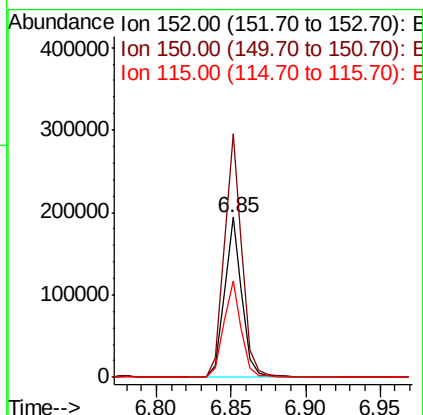
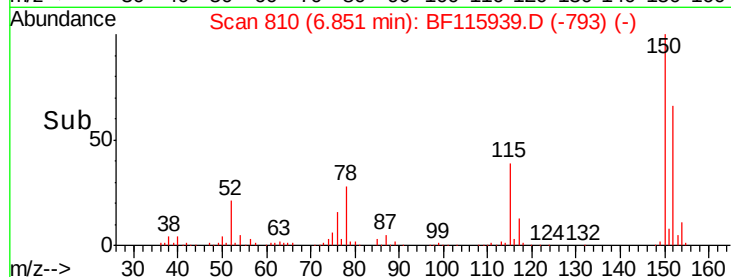


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

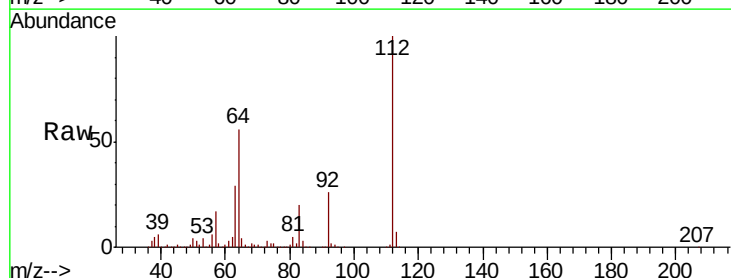
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
 Concen: 83.556 ng  
 RT: 5.49 min Scan# 578  
 Delta R.T. 0.02 min  
 Lab File: BF115939.D  
 Acq: 2 Aug 2019 11:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 56.4  | 46.8  | 70.2  |
| 63      | 29.4  | 24.2  | 36.2  |

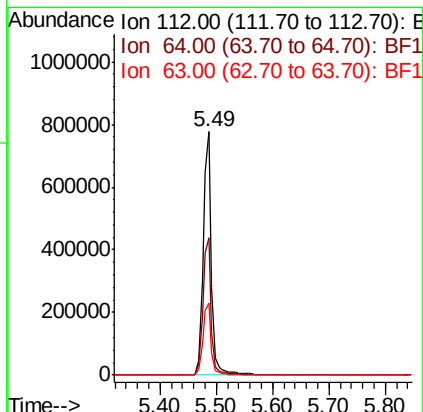
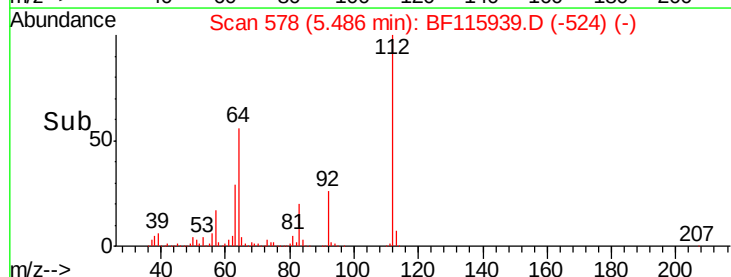


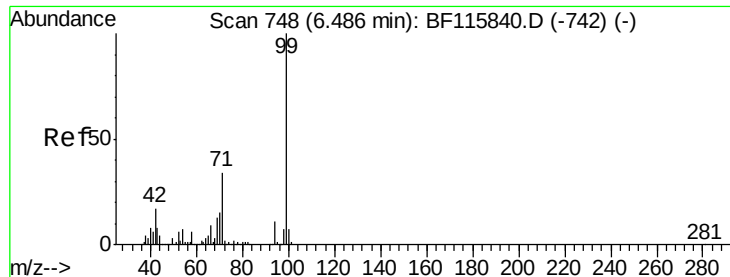
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 82.076 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF115939.D

Acq: 2 Aug 2019 11:47

Instrument :

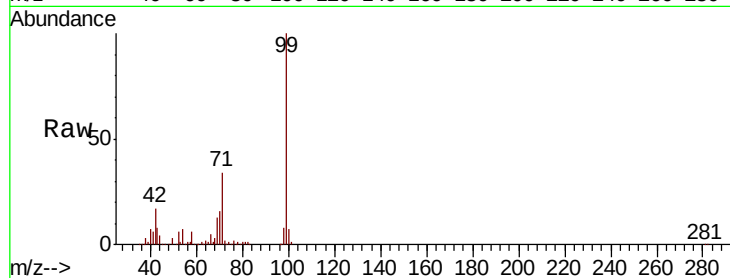
BNA\_F

ClientSampleId :

PB121939TB

Tot Ion: 99 Resp: 987746

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 16.7  | 13.8  | 20.6  |
| 71  | 34.0  | 27.1  | 40.7  |

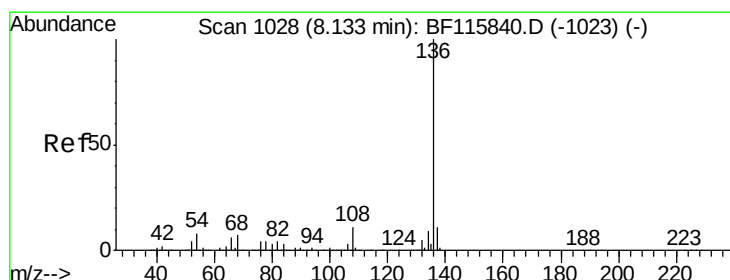
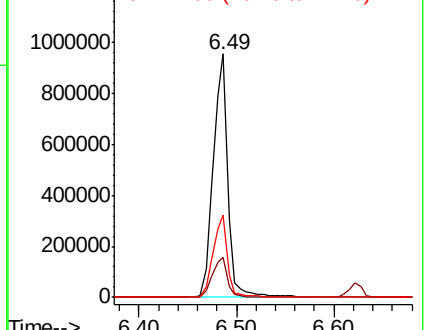
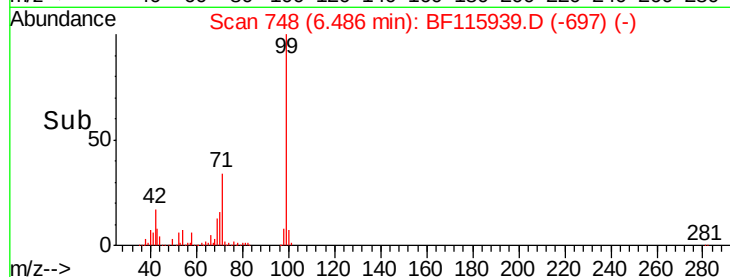


Abundance

Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

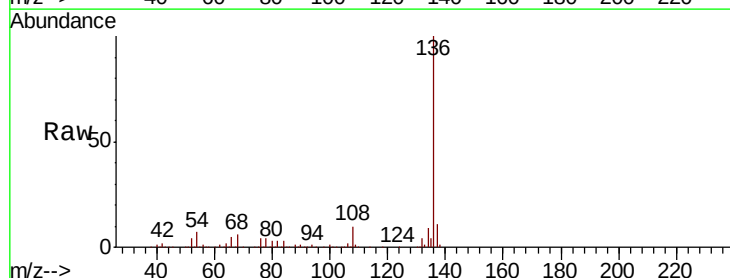
Delta R.T. -0.00 min

Lab File: BF115939.D

Acq: 2 Aug 2019 11:47

Tgt Ion: 136 Resp: 609006

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 9.1   | 13.7  |
| 54  | 7.0   | 6.1   | 9.1   |
| 68  | 6.0   | 5.4   | 8.2   |



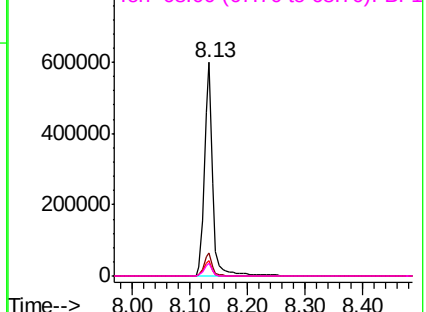
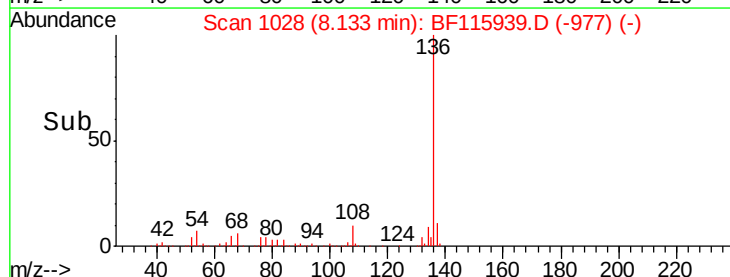
Abundance

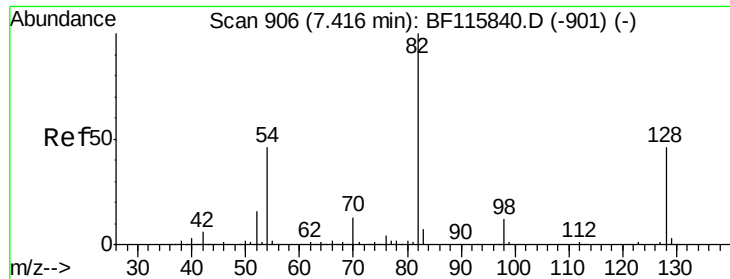
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

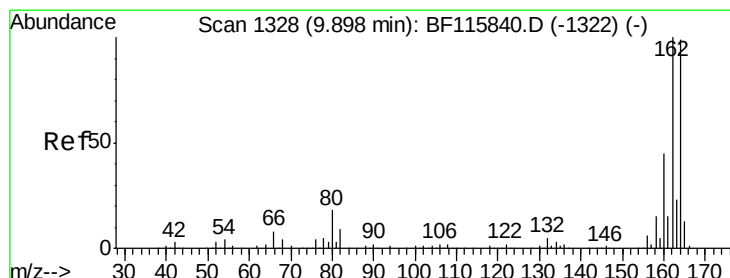
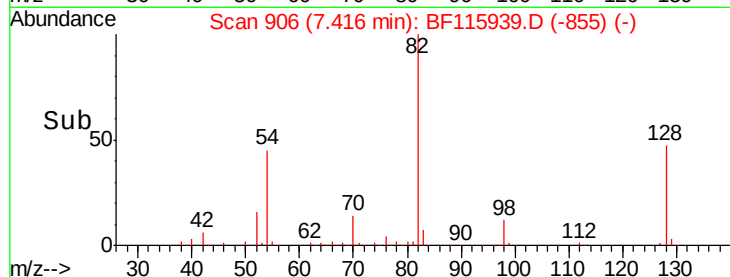
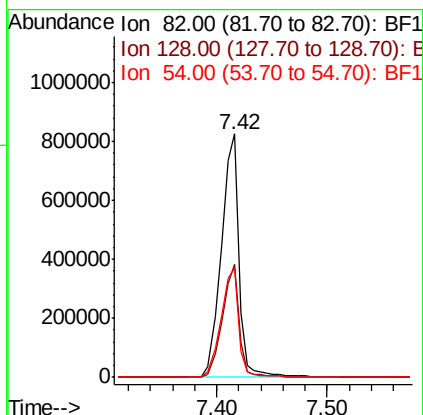
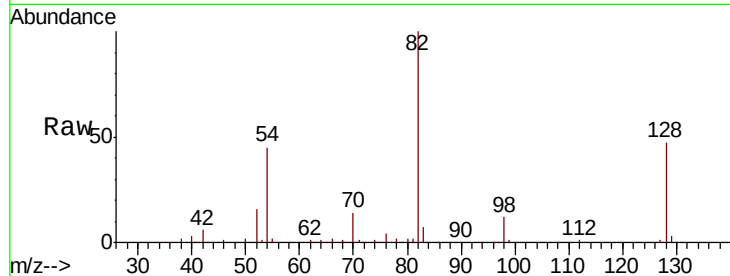




#23  
 Nitrobenzene-d5  
 Concen: 87.689 ng  
 RT: 7.42 min Scan# 906  
 Delta R.T. -0.00 min  
 Lab File: BF115939.D  
 Acq: 2 Aug 2019 11:47

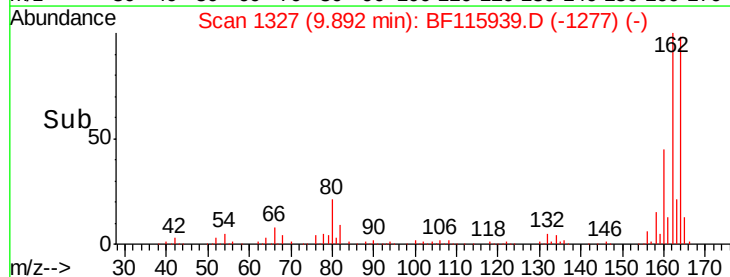
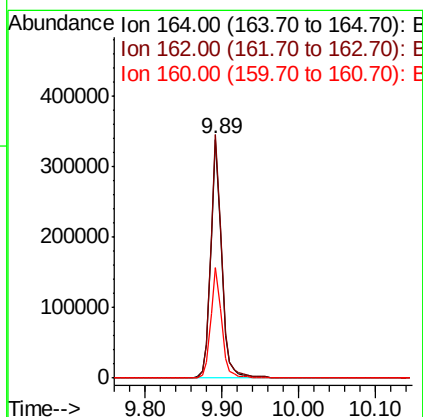
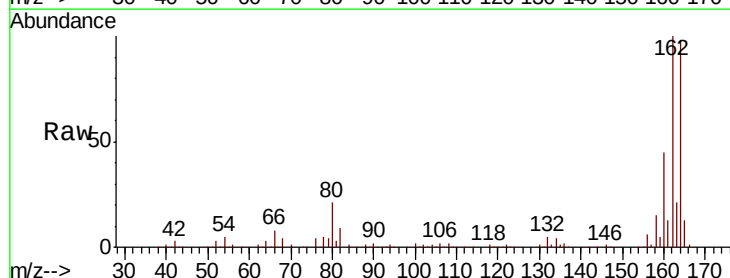
Instrument :  
 BNA\_F  
 ClientSampled :  
 PB121939TB

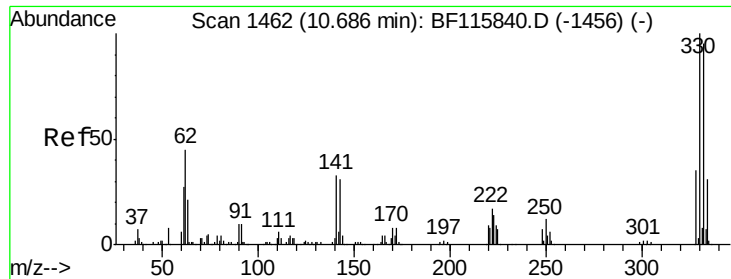
| Tot Ion   | 82   | Resp | 925156 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| Lower     | 36.6 |      |        |
| Upper     | 55.0 |      |        |
| 128       | 46.6 |      |        |
| 54        | 44.9 |      |        |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.89 min Scan# 1327  
 Delta R.T. -0.01 min  
 Lab File: BF115939.D  
 Acq: 2 Aug 2019 11:47

| Tgt Ion                                    | 164   | Resp | 328442 |
|--------------------------------------------|-------|------|--------|
| Ion Ratio <td>100</td> <td></td> <td></td> | 100   |      |        |
| Lower <td>80.8</td> <td></td> <td></td>    | 80.8  |      |        |
| Upper <td>121.2</td> <td></td> <td></td>   | 121.2 |      |        |
| 162                                        | 101.8 |      |        |
| 160                                        | 46.0  |      |        |





#42

2,4,6-Tribromophenol

Concen: 87.202 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.00 min

Lab File: BF115939.D

Acq: 2 Aug 2019 11:47

Instrument :

BNA\_F

ClientSampleId :

PB121939TB

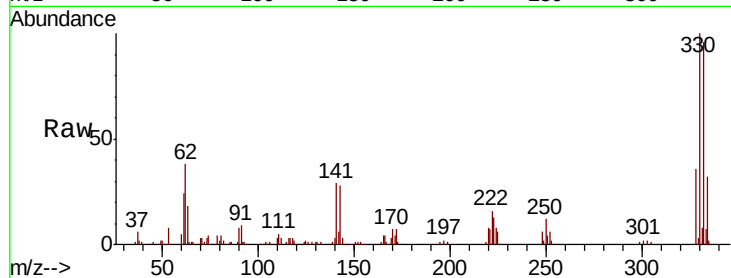
Tot Ion:330 Resp: 277682

Ion Ratio Lower Upper

330 100

332 96.5 77.7 116.5

141 35.0 28.1 42.1

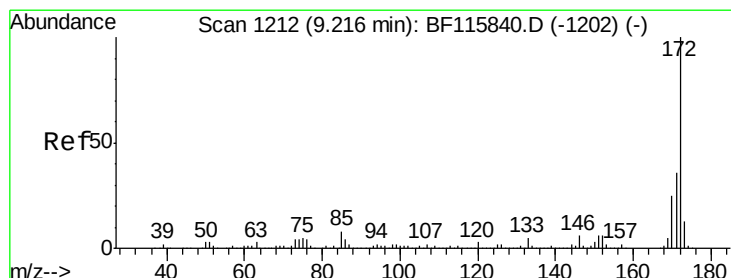
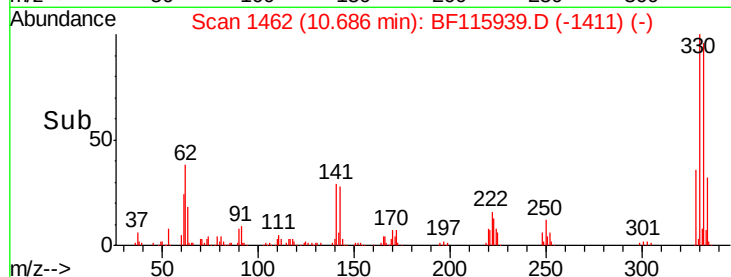
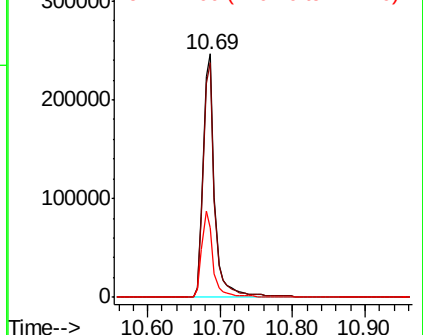


Abundance

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



#45

2-Fluorobiphenyl

Concen: 90.782 ng

RT: 9.22 min Scan# 1212

Delta R.T. -0.00 min

Lab File: BF115939.D

Acq: 2 Aug 2019 11:47

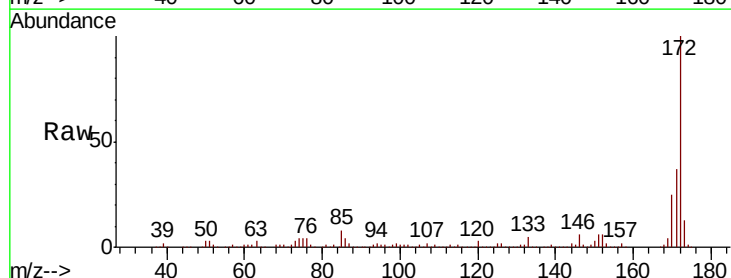
Tgt Ion:172 Resp: 1591853

Ion Ratio Lower Upper

172 100

171 36.7 29.1 43.7

170 24.8 20.1 30.1

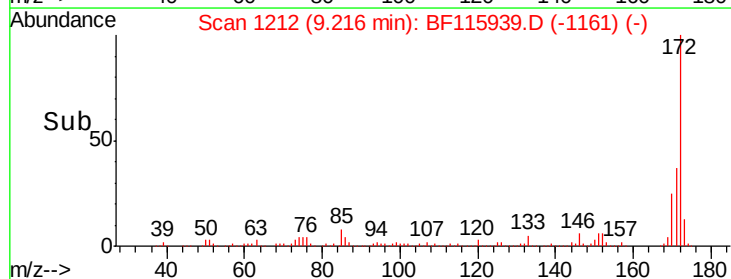
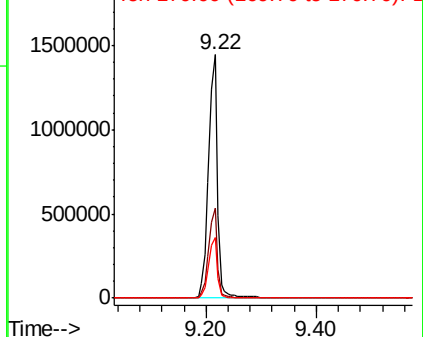


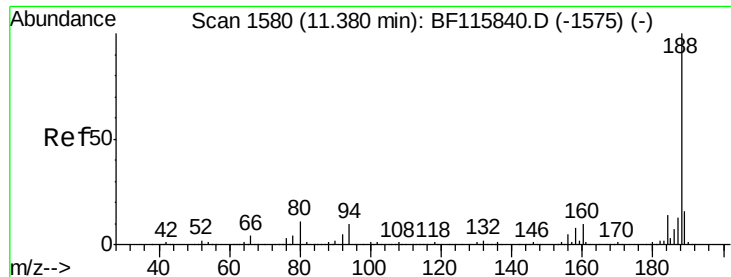
Abundance

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

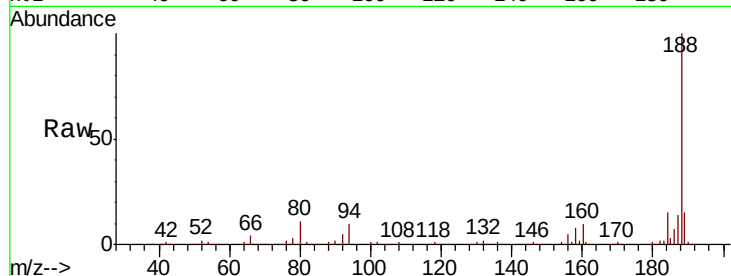




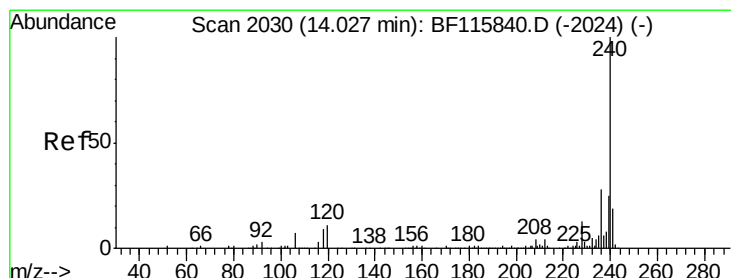
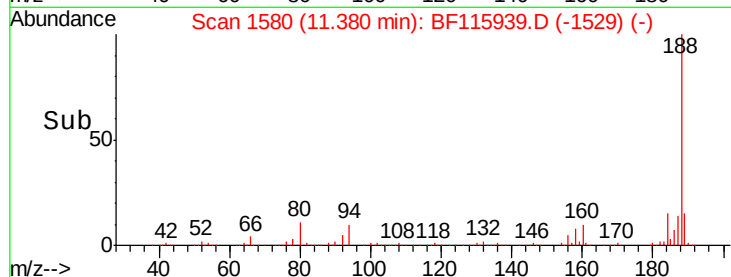
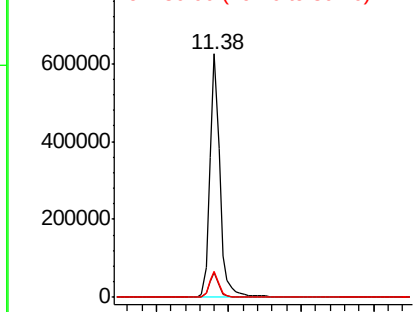
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.38 min Scan# 1580  
Delta R.T. -0.00 min  
Lab File: BF115939.D  
Acq: 2 Aug 2019 11:47

Instrument :  
BNA\_F  
ClientSampleId :  
PB121939TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.9   | 8.0   | 12.0  |
| 80      | 10.9  | 8.6   | 12.8  |

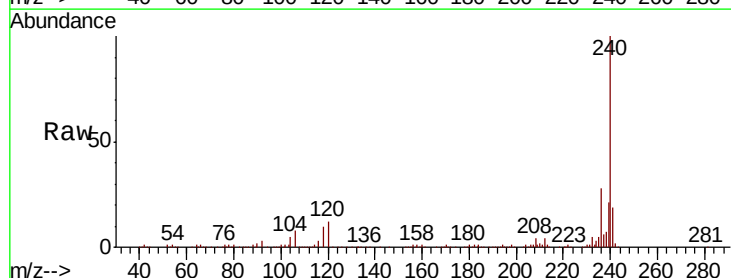


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

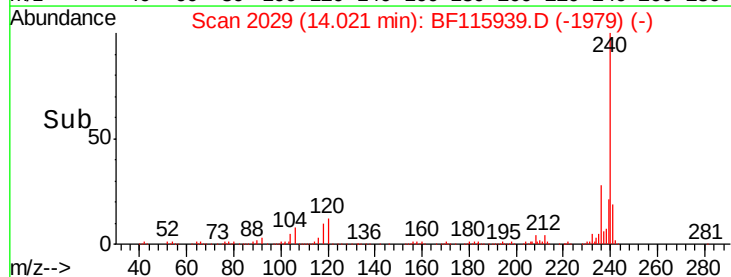
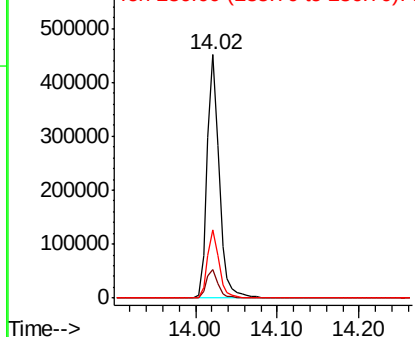


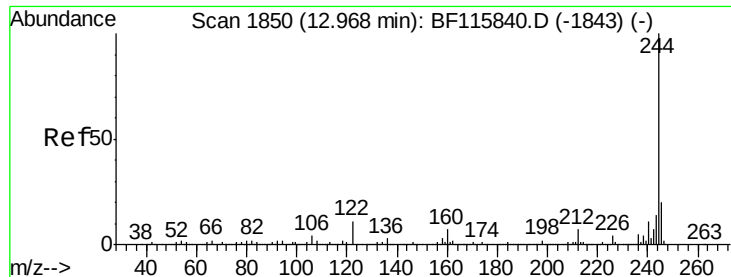
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.02 min Scan# 2029  
Delta R.T. -0.01 min  
Lab File: BF115939.D  
Acq: 2 Aug 2019 11:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.5  | 8.5   | 12.7  |
| 236     | 27.8  | 22.2  | 33.2  |



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





#79

Terphenyl-d14

Concen: 80.385 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.00 min

Lab File: BF115939.D

Acq: 2 Aug 2019 11:47

Instrument :

BNA\_F

ClientSampleId :

PB121939TB

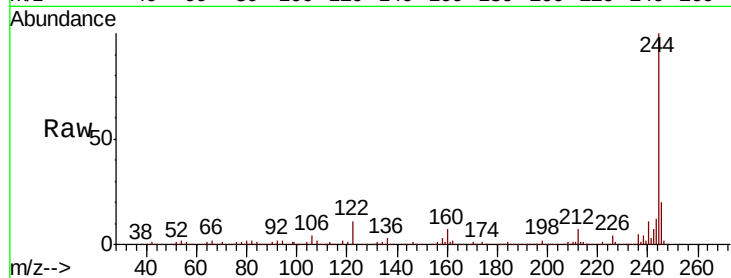
Tot Ion:244 Resp: 1758603

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

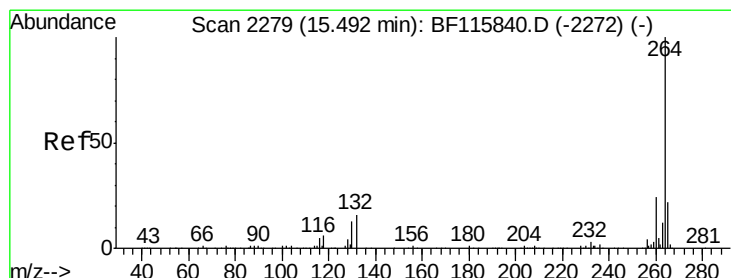
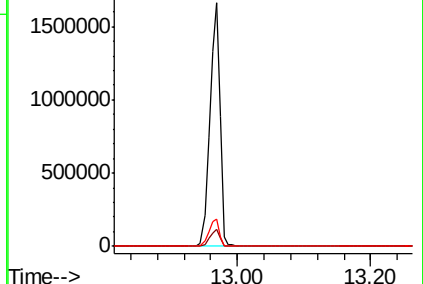
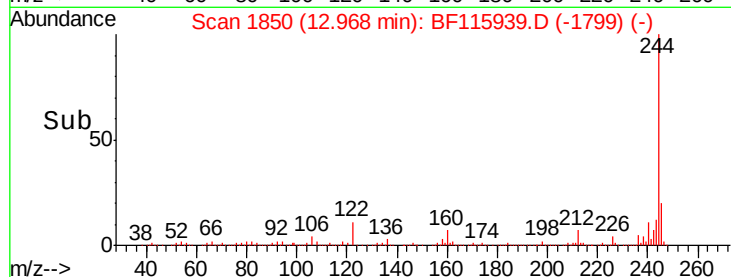
122 11.2 8.6 13.0



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. -0.00 min

Lab File: BF115939.D

Acq: 2 Aug 2019 11:47

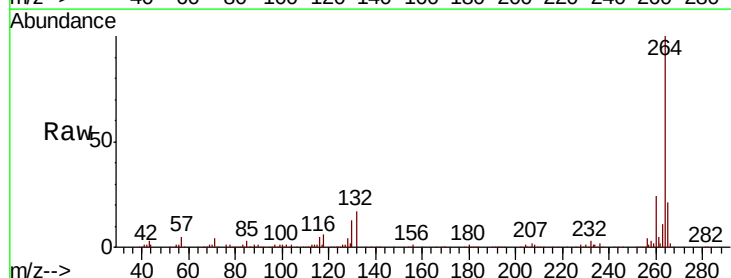
Tgt Ion:264 Resp: 434096

Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.2

265 21.1 17.5 26.3



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

