

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122419\  
 Data File : BP001396.D  
 Acq On : 24 Dec 2019 20:04  
 Operator : JU  
 Sample : K6396-07  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :

Quant Time: Dec 25 00:57:50 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP121919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 24 16:04:49 2019  
 Response via : Initial Calibration

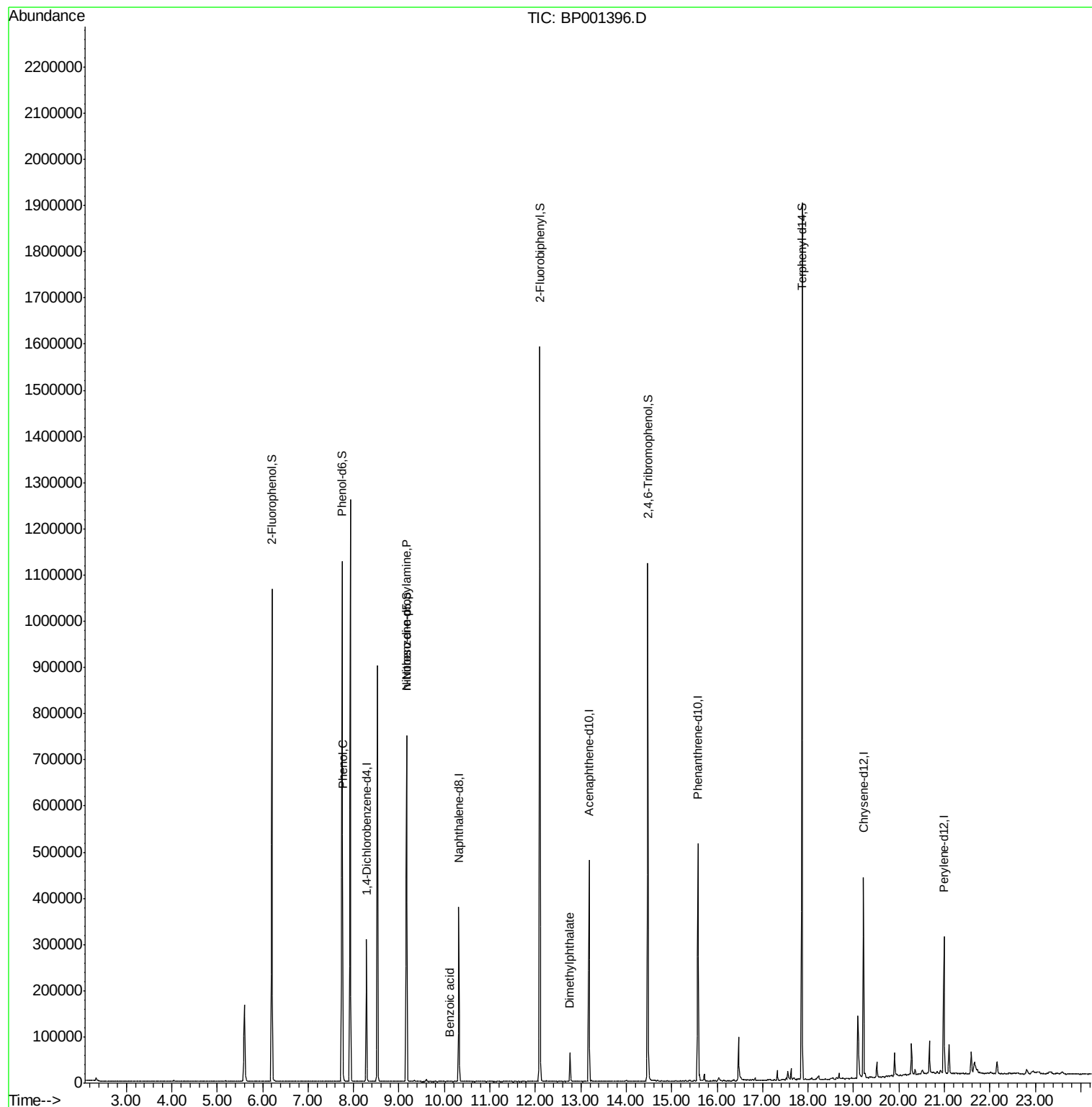
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.28  | 152  | 50092    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.32 | 136  | 191158   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 13.18 | 164  | 121899   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 15.58 | 188  | 238573   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 19.22 | 240  | 156942   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 20.99 | 264  | 150574   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 6.20  | 112  | 302120   | 97.48  | ng    | 0.00     |
| 7) Phenol-d6                   | 7.75  | 99   | 425650   | 105.25 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.17  | 82   | 294658   | 59.19  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 14.47 | 330  | 149509   | 98.10  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 12.10 | 172  | 592354   | 61.45  | ng    | 0.00     |
| 79) Terphenyl-d14              | 17.87 | 244  | 697996   | 76.17  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.76  | 94   | 14072    | 3.045  | ng    | 82       |
| 19) n-Nitroso-di-n-propylamine | 9.17  | 70   | 45255    | 15.762 | ng    | # 76     |
| 32) Benzoic acid               | 10.13 | 122  | 8        | 5.026  | ng    | 95       |
| 50) Dimethylphthalate          | 12.76 | 163  | 27584    | 2.758  | ng    | 97       |

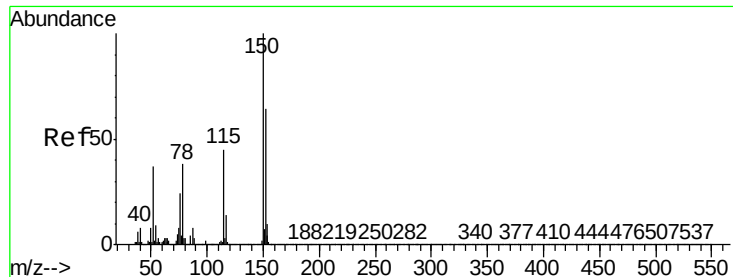
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122419\  
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Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :

Quant Time: Dec 25 00:57:50 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP121919.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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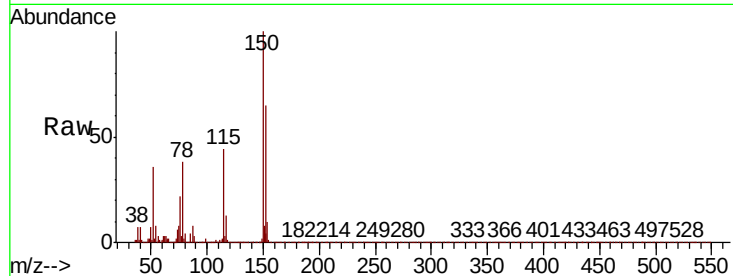




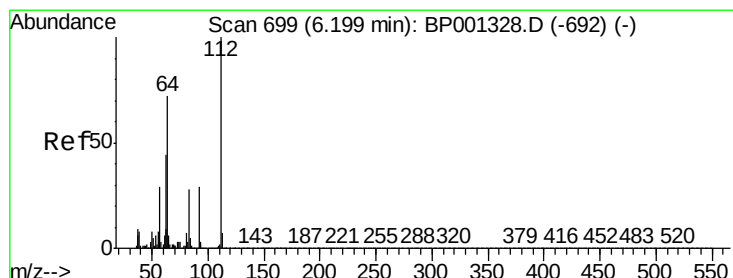
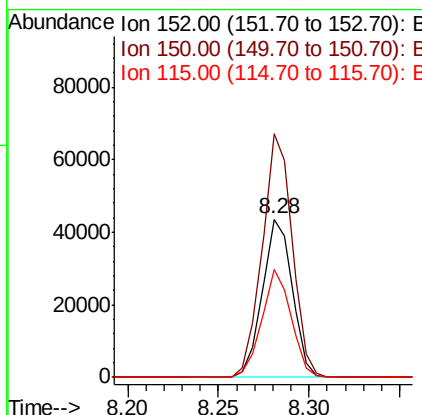
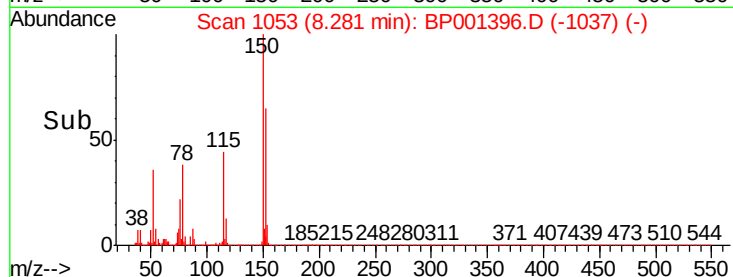
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.28 min Scan# 1053  
 Delta R.T. -0.01 min  
 Lab File: BP001396.D  
 Acq: 24 Dec 2019 20:04

Instrument :  
 BNA\_P  
 ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 152   | Resp: | 50092 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 150      | 153.9 | 127.0 | 190.6 |
| 115      | 68.0  | 56.1  | 84.1  |

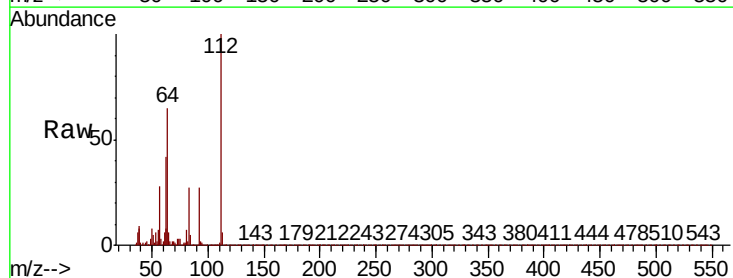


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

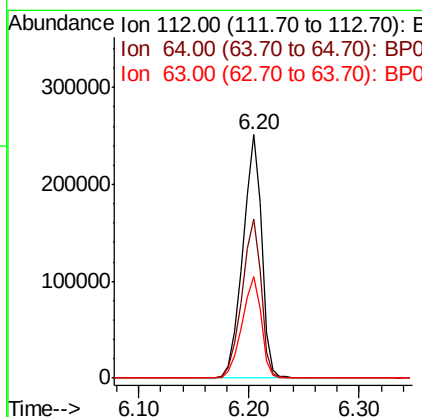
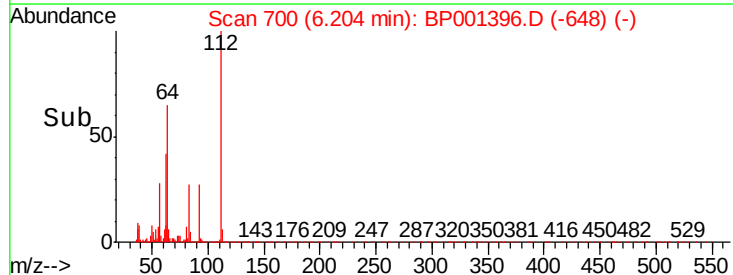


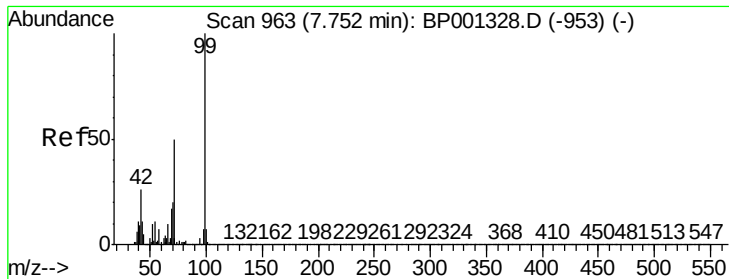
#5  
 2-Fluorophenol  
 Concen: 97.477 ng  
 RT: 6.20 min Scan# 700  
 Delta R.T. 0.01 min  
 Lab File: BP001396.D  
 Acq: 24 Dec 2019 20:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 302120 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 65.4  | 53.9  | 80.9   |
| 63       | 41.8  | 33.4  | 50.0   |



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BP0  
 Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 105.247 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.00 min

Lab File: BP001396.D

Acq: 24 Dec 2019 20:04

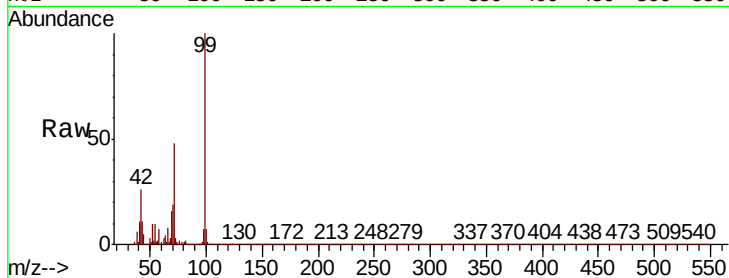
Instrument :

BNA\_P

ClientSampleId :

Tot Ion: 99 Resp: 425650

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 26.1  | 20.8  | 31.2  |
| 71  | 48.0  | 38.2  | 57.4  |



Abundance

Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0

400000

300000

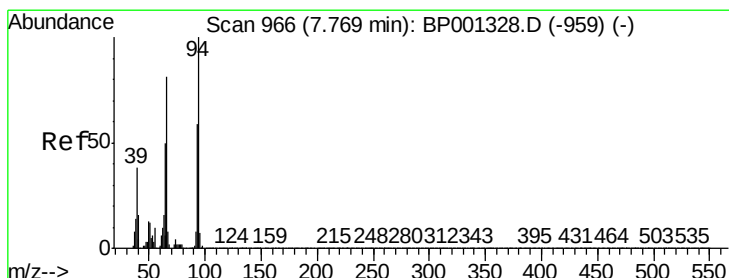
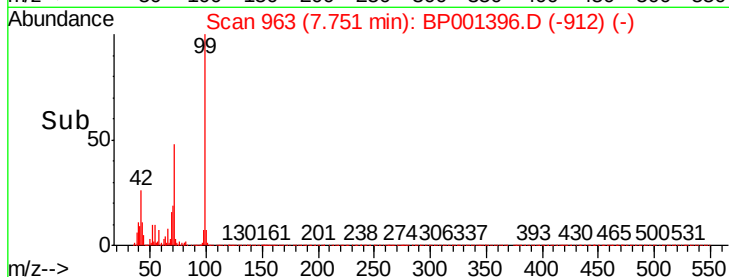
200000

100000

0

7.75

Time-->



#10

Phenol

Concen: 3.045 ng

RT: 7.76 min Scan# 965

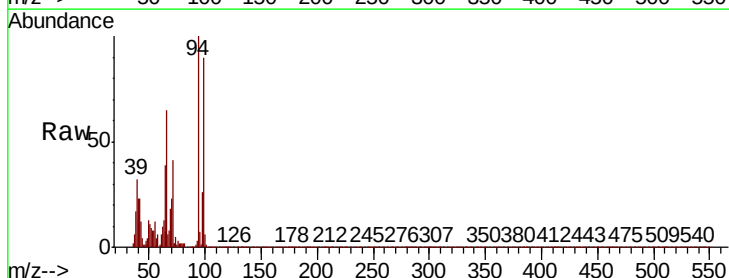
Delta R.T. -0.01 min

Lab File: BP001396.D

Acq: 24 Dec 2019 20:04

Tgt Ion: 94 Resp: 14072

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 38.7  | 29.6  | 69.6  |
| 66  | 64.9  | 62.3  | 102.3 |



Abundance

Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

30000

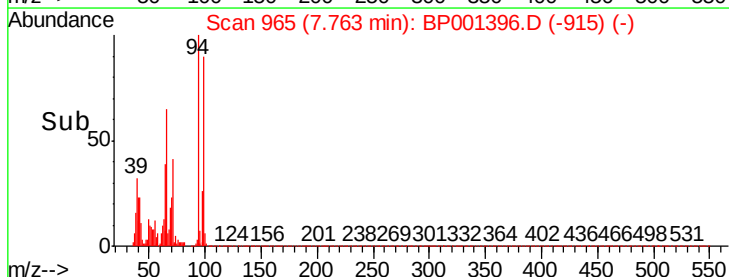
20000

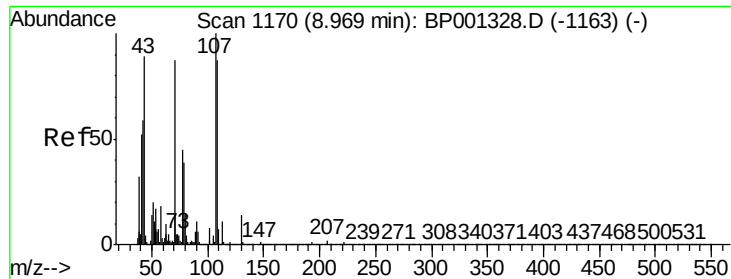
10000

0

7.76

Time-->

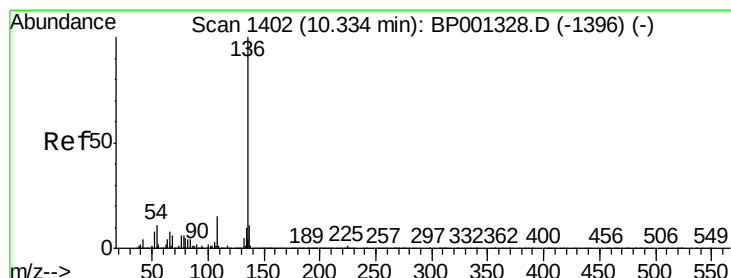
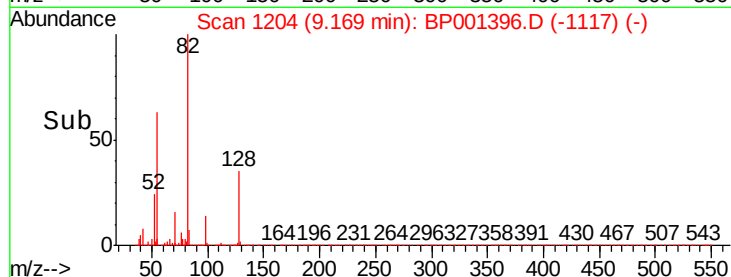
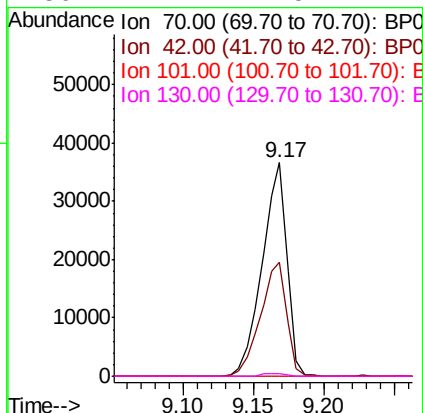
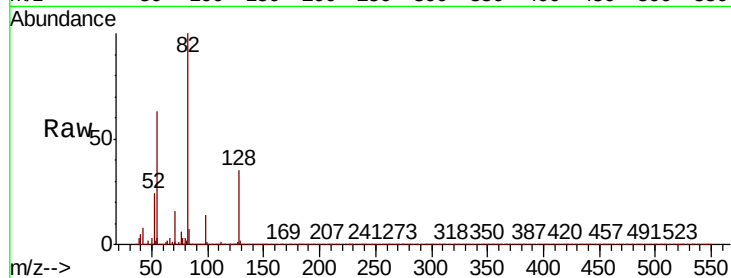




#19  
n-Nitroso-di-n-propylamine  
Concen: 15.762 ng  
RT: 9.17 min Scan# 1204  
Delta R.T. 0.21 min  
Lab File: BP001396.D  
Acq: 24 Dec 2019 20:04

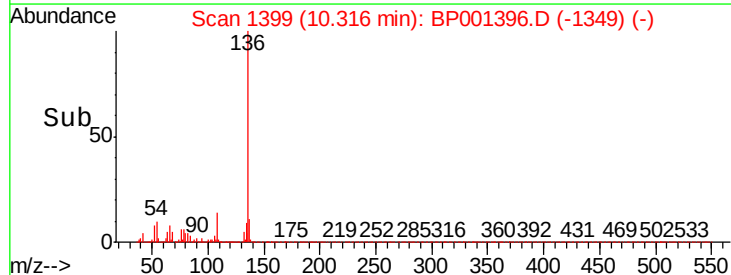
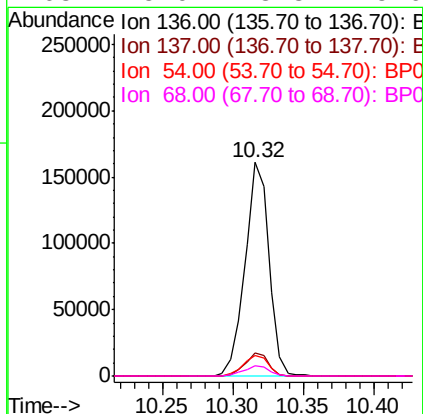
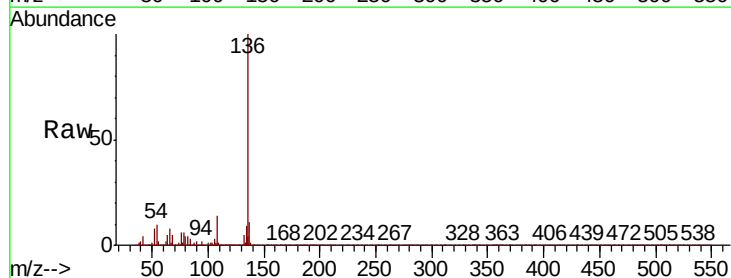
Instrument :  
BNA\_P  
ClientSampled :

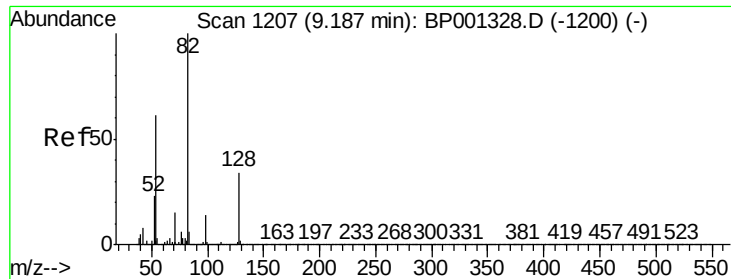
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 53.6  | 55.8  | 83.8# |
| 101     | 0.0   | 8.2   | 12.2# |
| 130     | 1.1   | 14.5  | 21.7# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.32 min Scan# 1399  
Delta R.T. -0.01 min  
Lab File: BP001396.D  
Acq: 24 Dec 2019 20:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 10.5  | 9.0   | 13.4  |
| 54      | 9.6   | 7.3   | 10.9  |
| 68      | 5.0   | 3.8   | 5.6   |

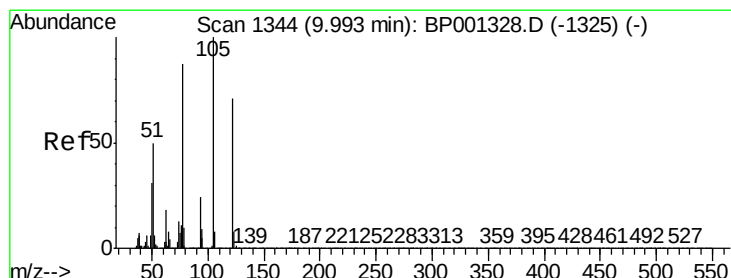
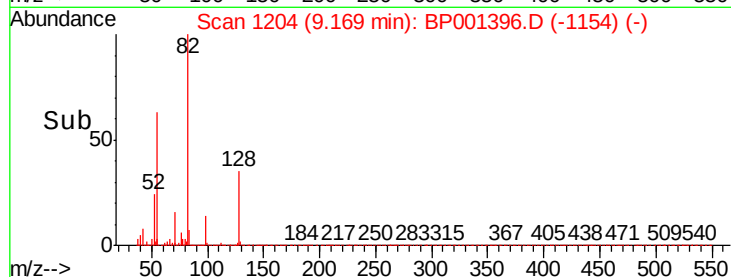
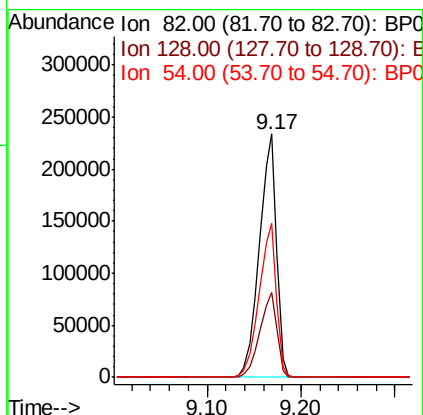
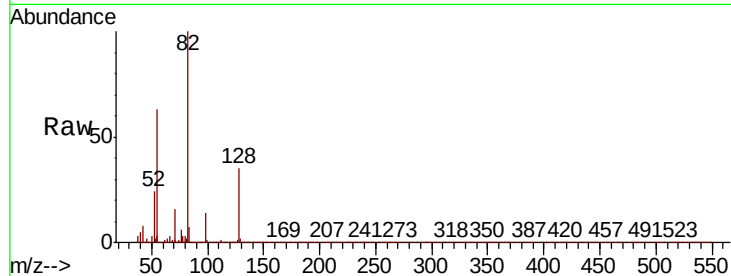




#23  
Nitrobenzene-d5  
Concen: 59.193 ng  
RT: 9.17 min Scan# 1204  
Delta R.T. -0.01 min  
Lab File: BP001396.D  
Acq: 24 Dec 2019 20:04

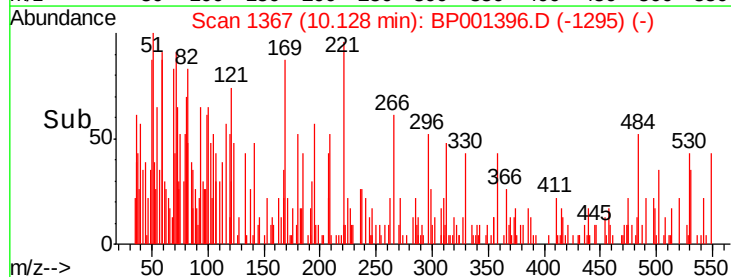
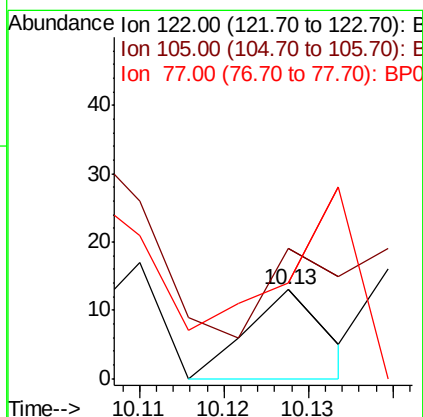
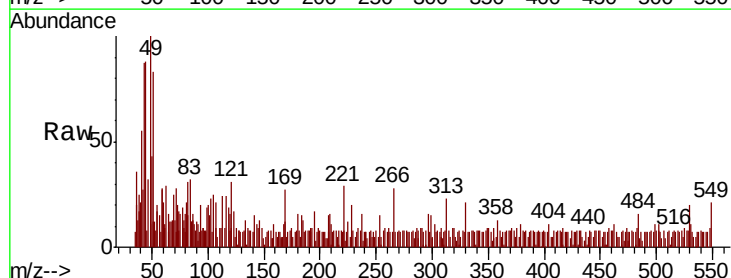
Instrument :  
BNA\_P  
ClientSampleId :

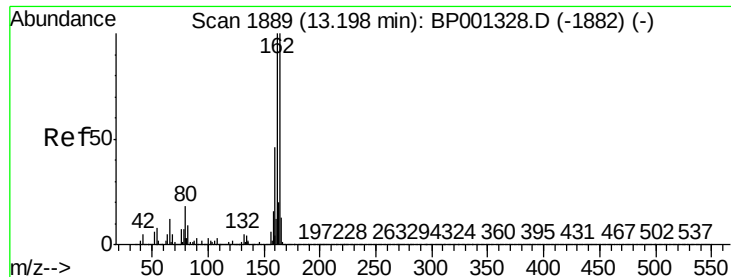
| Tot Ion   | 82    | Resp  | 294658 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 34.9  | 27.4  | 41.0   |
| 54        | 63.0  | 47.5  | 71.3   |



#32  
Benzoic acid  
Concen: 5.026 ng  
RT: 10.13 min Scan# 1367  
Delta R.T. 0.12 min  
Lab File: BP001396.D  
Acq: 24 Dec 2019 20:04

| Tgt Ion   | 122   | Resp  | 8     |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 122       | 100   |       |       |
| 105       | 146.2 | 117.8 | 157.8 |
| 77        | 107.7 | 85.6  | 125.6 |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.18 min Scan# 1886

Delta R.T. -0.00 min

Lab File: BP001396.D

Acq: 24 Dec 2019 20:04

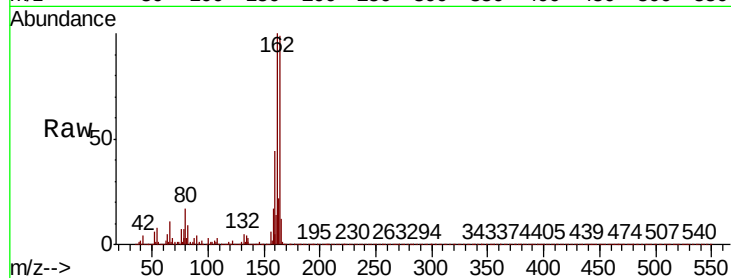
Instrument :

BNA\_P

ClientSampleId :

Tot Ion:164 Resp: 121899

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 100.8 | 78.2  | 117.4 |
| 160 | 44.1  | 35.1  | 52.7  |

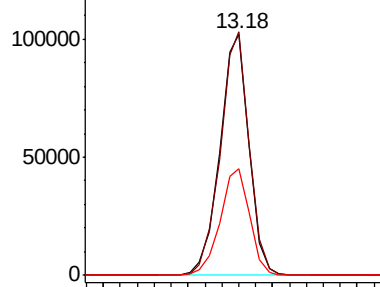


Abundance

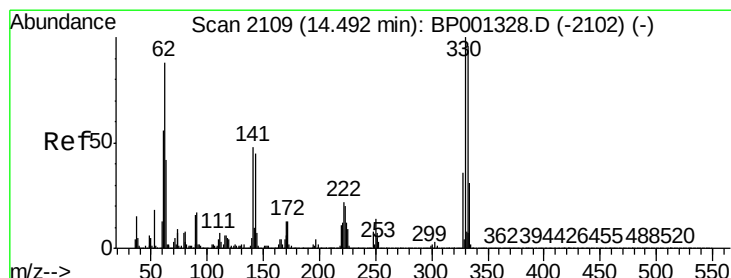
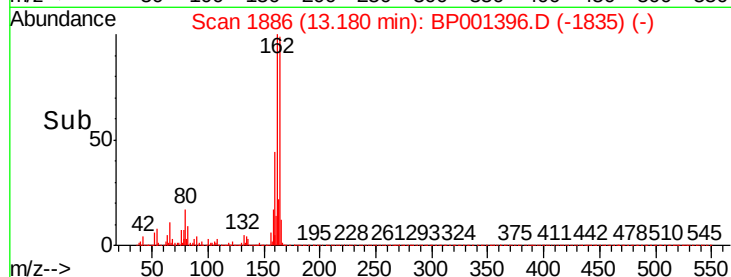
Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->



#42

2,4,6-Tribromophenol

Concen: 98.102 ng

RT: 14.47 min Scan# 2106

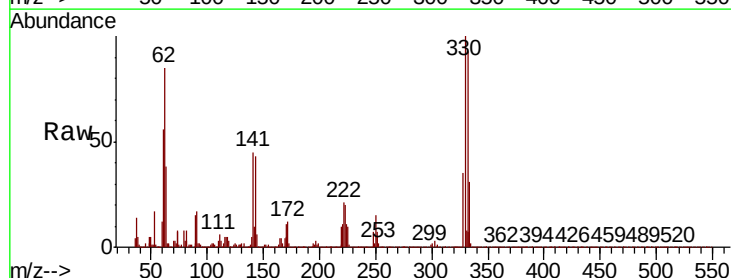
Delta R.T. -0.01 min

Lab File: BP001396.D

Acq: 24 Dec 2019 20:04

Tgt Ion:330 Resp: 149509

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 95.2  | 78.3  | 117.5 |
| 141 | 43.3  | 26.8  | 40.2# |

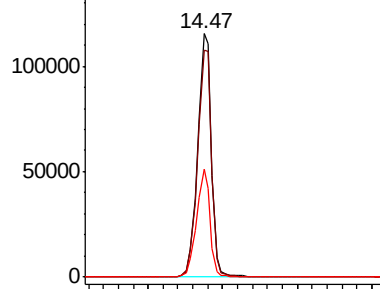


Abundance

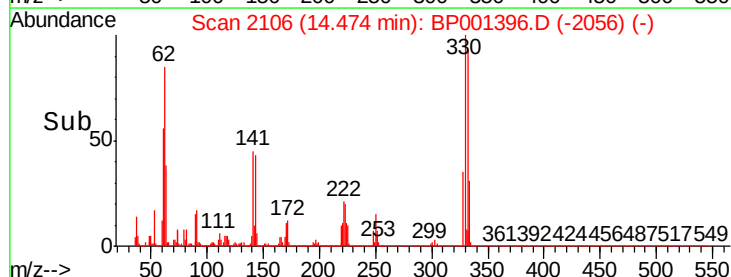
Ion 329.80 (329.50 to 330.50): E

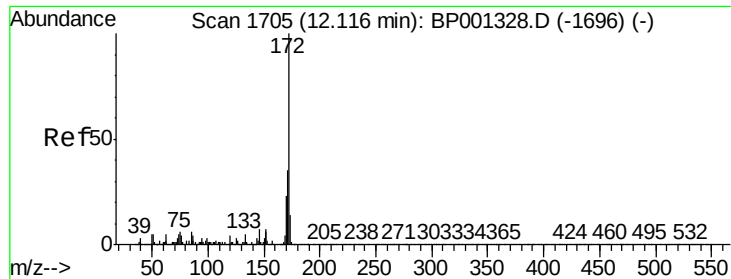
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



Time-->

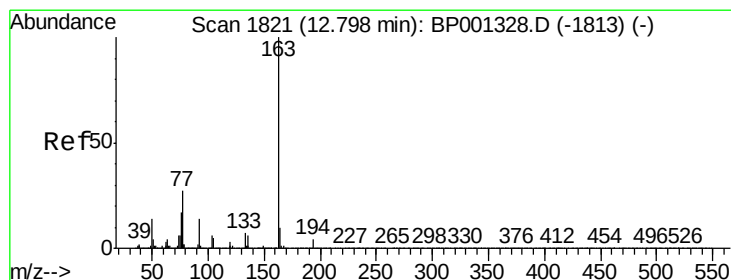
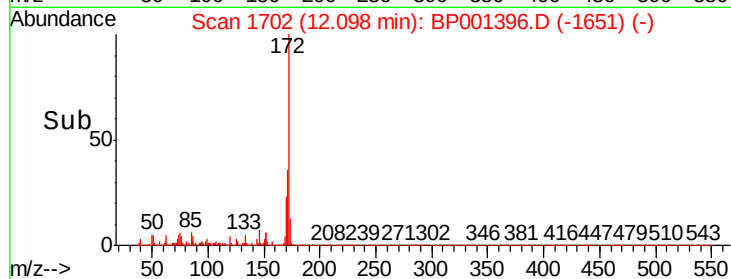
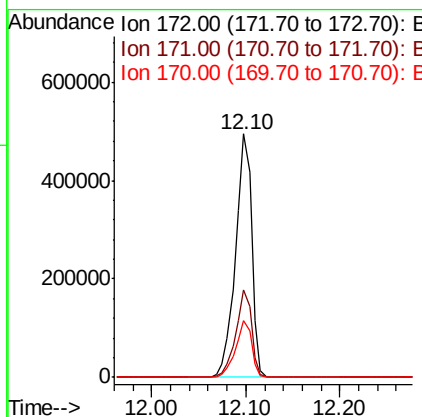
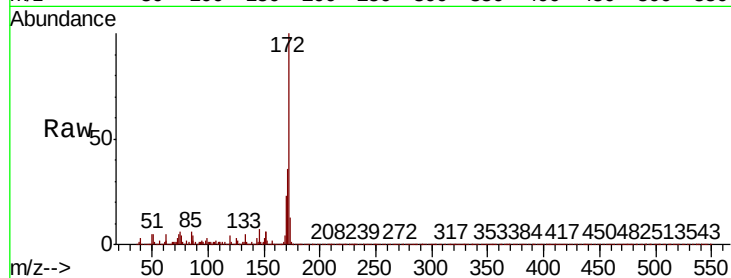




#45  
2-Fluorobiphenyl  
Concen: 61.446 ng  
RT: 12.10 min Scan# 1702  
Delta R.T. -0.00 min  
Lab File: BP001396.D  
Acq: 24 Dec 2019 20:04

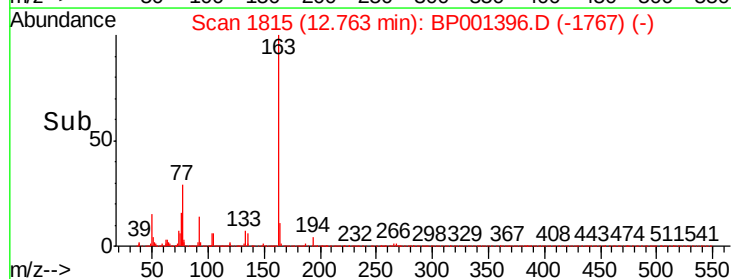
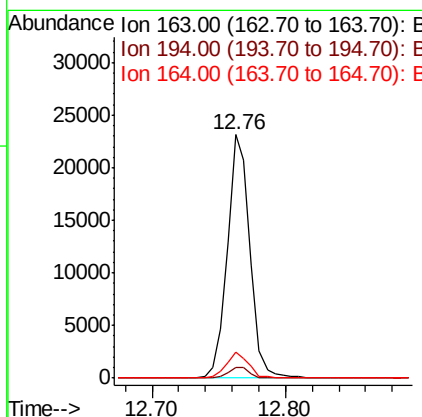
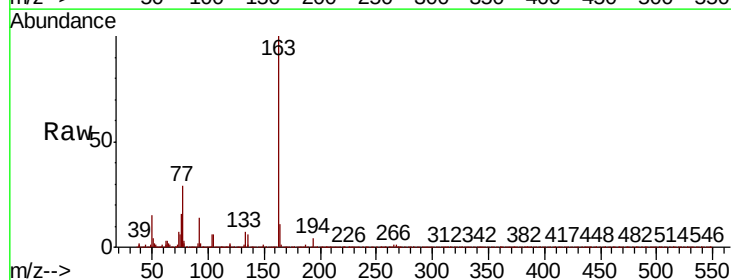
Instrument :  
BNA\_P  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.9  | 27.4  | 41.0  |
| 170     | 23.1  | 18.2  | 27.4  |

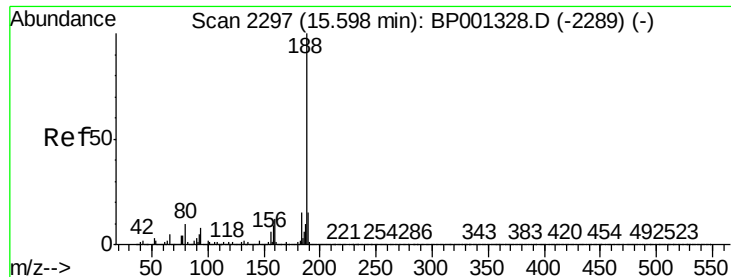


#50  
Dimethylphthalate  
Concen: 2.758 ng  
RT: 12.76 min Scan# 1815  
Delta R.T. -0.02 min  
Lab File: BP001396.D  
Acq: 24 Dec 2019 20:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.4   | 3.2   | 4.8   |
| 164     | 10.8  | 7.7   | 11.5  |



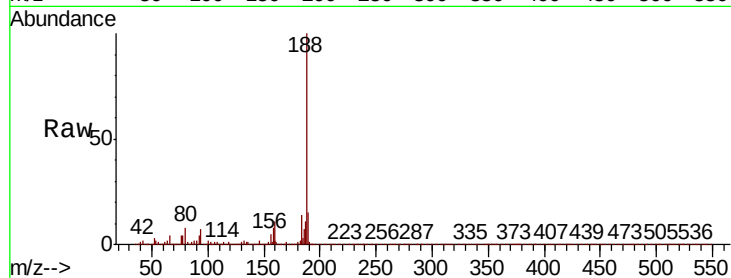




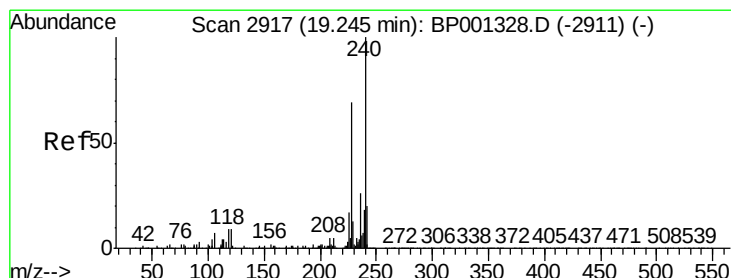
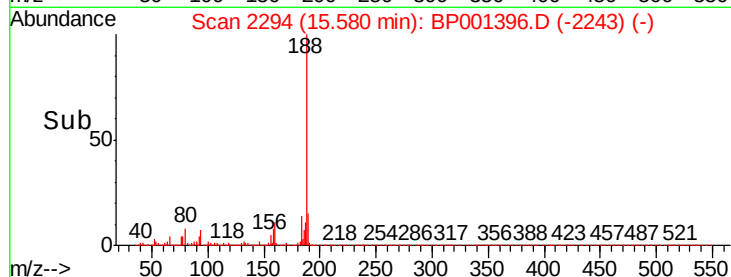
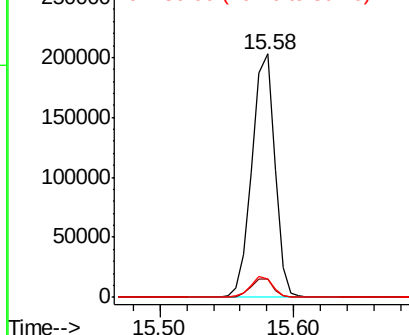
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 15.58 min Scan# 2294  
Delta R.T. -0.00 min  
Lab File: BP001396.D  
Acq: 24 Dec 2019 20:04

Instrument :  
BNA\_P  
ClientSampleId :

Tot Ion:188 Resp: 238573  
Ion Ratio Lower Upper  
188 100  
94 7.5 5.8 8.8  
80 7.7 5.7 8.5

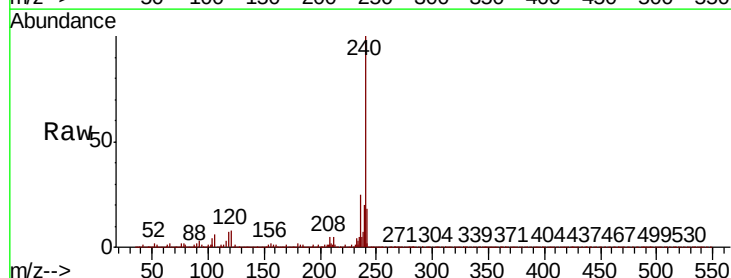


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BP0  
Ion 80.00 (79.70 to 80.70): BP0

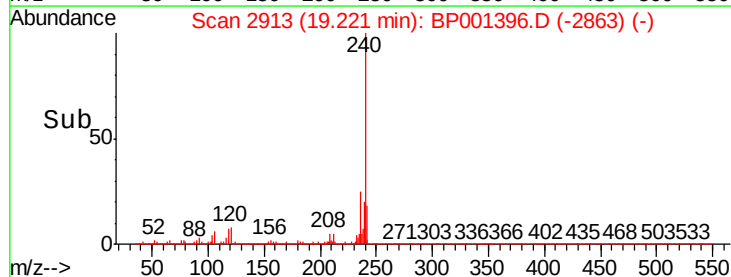
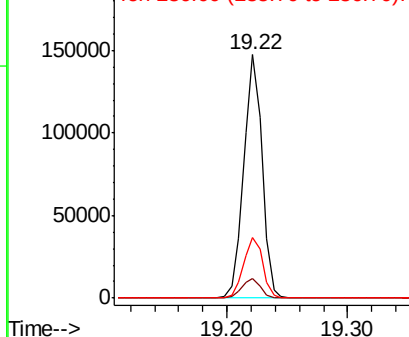


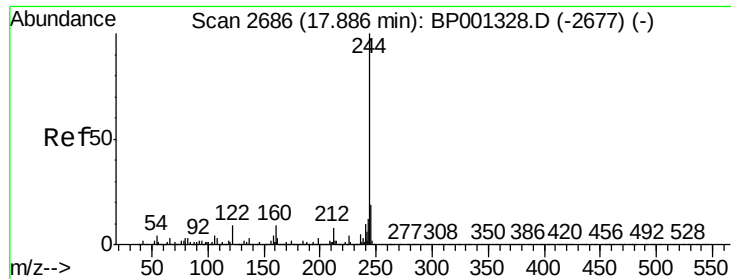
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 19.22 min Scan# 2913  
Delta R.T. -0.01 min  
Lab File: BP001396.D  
Acq: 24 Dec 2019 20:04

Tgt Ion:240 Resp: 156942  
Ion Ratio Lower Upper  
240 100  
120 8.2 6.2 9.2  
236 24.7 20.2 30.2



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

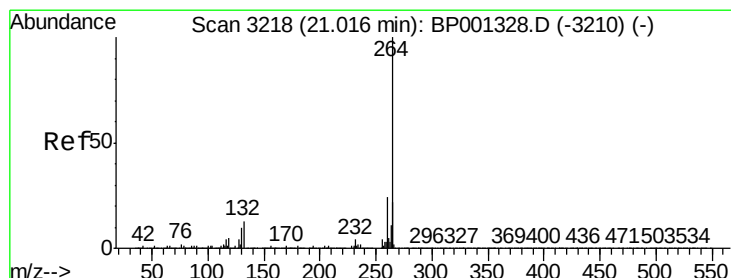
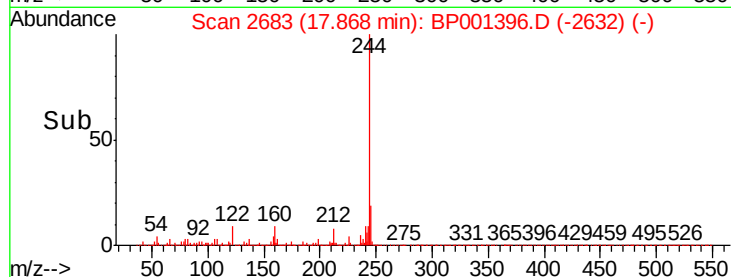
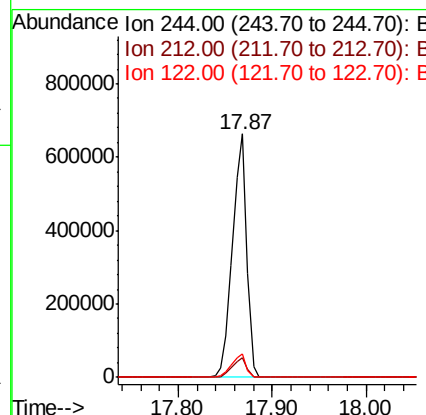
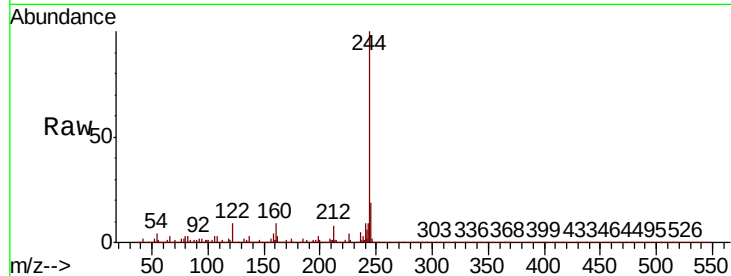




#79  
 Terphenyl-d14  
 Concen: 76.175 ng  
 RT: 17.87 min Scan# 2683  
 Delta R.T. -0.00 min  
 Lab File: BP001396.D  
 Acq: 24 Dec 2019 20:04

Instrument :  
 BNA\_P  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.0   | 5.8   | 8.8   |
| 122     | 9.4   | 6.4   | 9.6   |



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 20.99 min Scan# 3214  
 Delta R.T. -0.00 min  
 Lab File: BP001396.D  
 Acq: 24 Dec 2019 20:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.1  | 19.0  | 28.4  |
| 265     | 22.6  | 17.0  | 25.4  |

