

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122619\  
 Data File : BP001436.D  
 Acq On : 26 Dec 2019 22:25  
 Operator : JU  
 Sample : K6437-08  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :

Quant Time: Dec 27 04:02:09 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

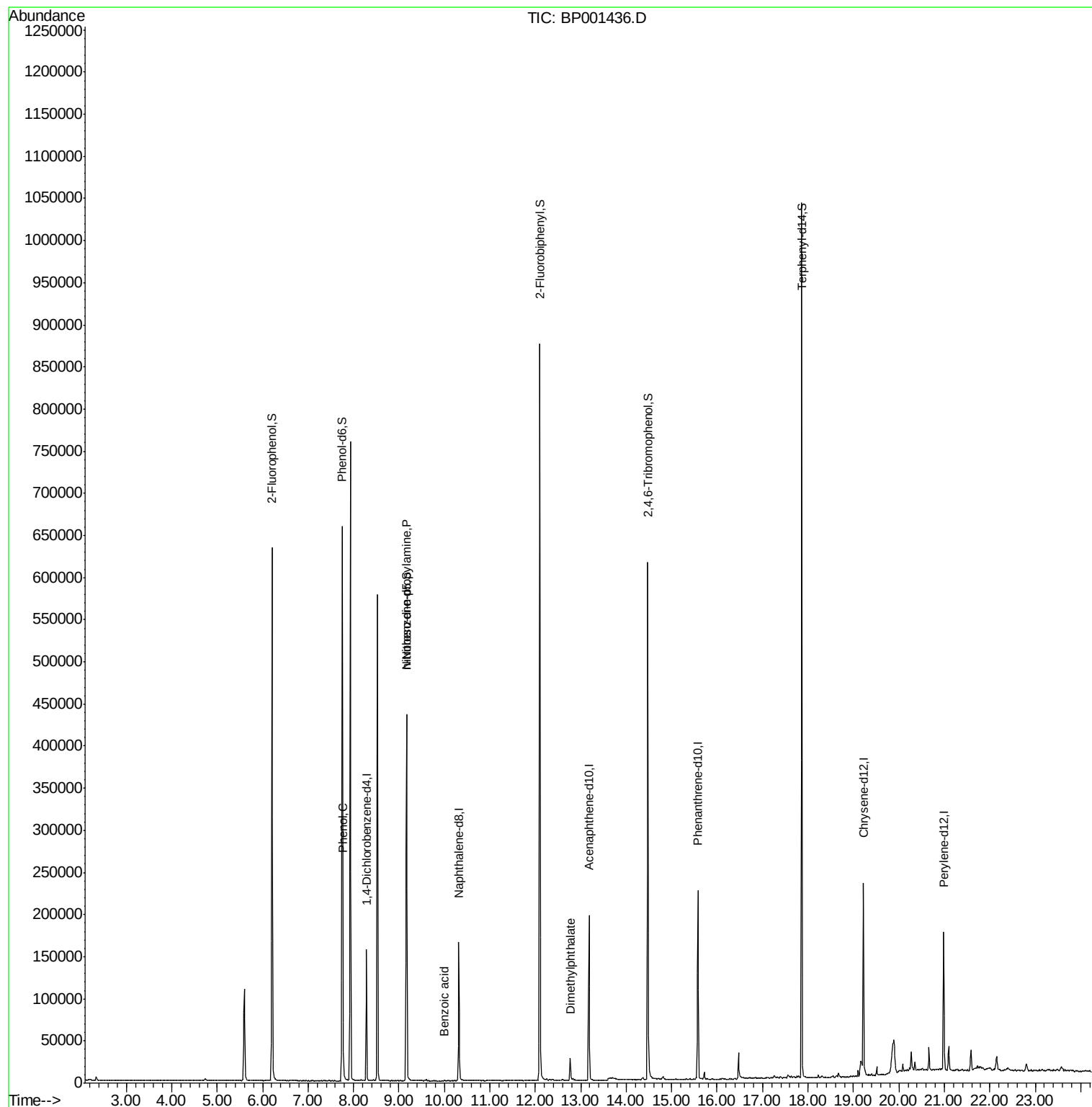
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.28  | 152  | 25266    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.32 | 136  | 91513    | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 13.18 | 164  | 55036    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 15.57 | 188  | 104277   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 19.22 | 240  | 81944    | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 20.99 | 264  | 84512    | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 6.21  | 112  | 189443   | 121.18 | ng    | 0.01     |
| 7) Phenol-d6                   | 7.75  | 99   | 259122   | 127.03 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.17  | 82   | 176399   | 74.02  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 14.47 | 330  | 84033    | 122.13 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 12.10 | 172  | 330279   | 75.88  | ng    | 0.00     |
| 79) Terphenyl-d14              | 17.86 | 244  | 381165   | 79.67  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.77  | 94   | 7315     | 3.138  | ng    | 85       |
| 19) n-Nitroso-di-n-propylamine | 9.17  | 70   | 26518    | 18.312 | ng    | # 83     |
| 32) Benzoic acid               | 10.00 | 122  | 37       | 5.056  | ng    | 91       |
| 50) Dimethylphthalate          | 12.77 | 163  | 14259    | 3.158  | ng    | 98       |

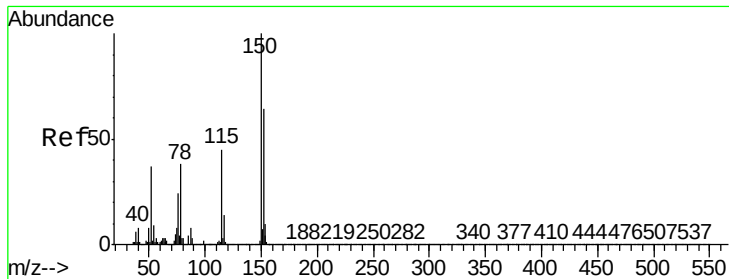
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122619\  
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ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :

Quant Time: Dec 27 04:02:09 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP121919.M  
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QLast Update : Tue Dec 24 16:04:49 2019  
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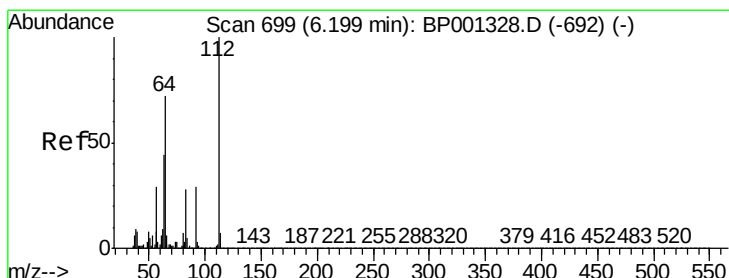
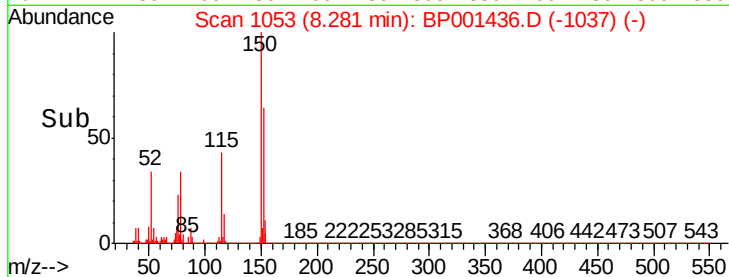
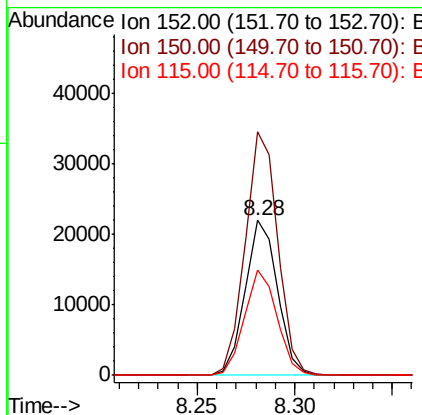
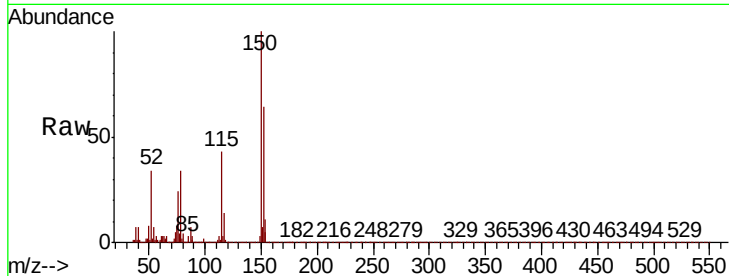




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.28 min Scan# 1053  
 Delta R.T. -0.01 min  
 Lab File: BP001436.D  
 Acq: 26 Dec 2019 22:25

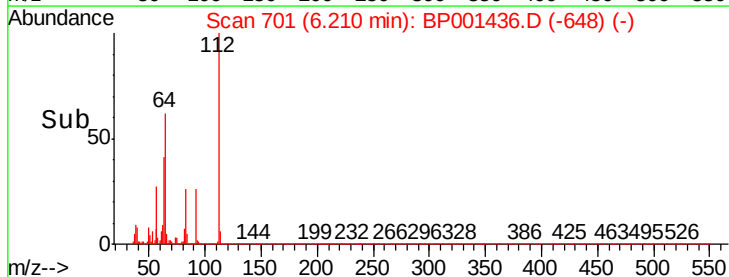
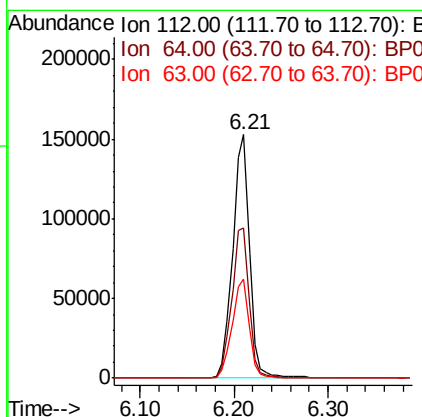
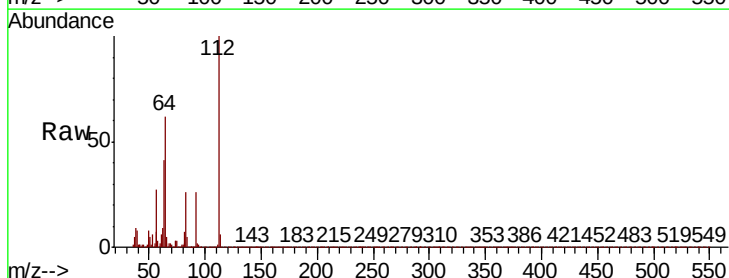
Instrument :  
 BNA\_P  
 ClientSampleId :

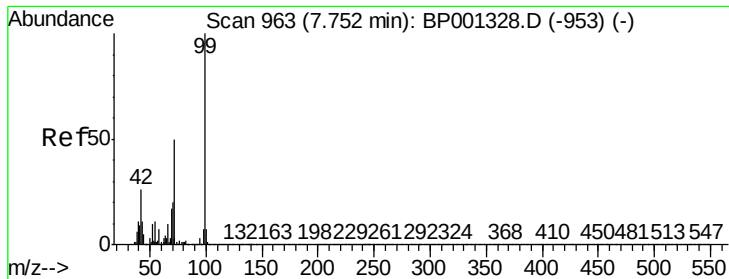
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 152   | Resp: | 25266 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 150      | 157.1 | 127.0 | 190.6 |
| 115      | 67.6  | 56.1  | 84.1  |



#5  
 2-Fluorophenol  
 Concen: 121.181 ng  
 RT: 6.21 min Scan# 701  
 Delta R.T. 0.01 min  
 Lab File: BP001436.D  
 Acq: 26 Dec 2019 22:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 189443 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 61.8  | 53.9  | 80.9   |
| 63       | 40.6  | 33.4  | 50.0   |





#7

Phenol-d6

Concen: 127.026 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.00 min

Lab File: BP001436.D

Acq: 26 Dec 2019 22:25

Instrument :

BNA\_P

ClientSampled :

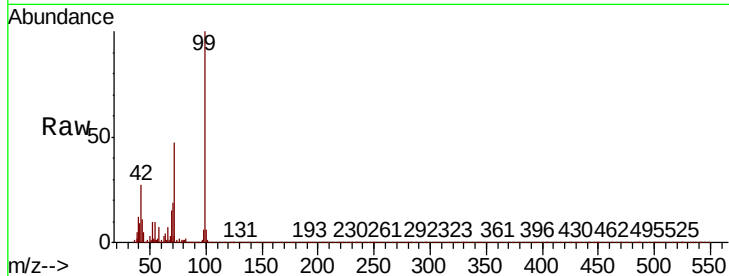
Tot Ion: 99 Resp: 259122

Ion Ratio Lower Upper

99 100

42 26.5 20.8 31.2

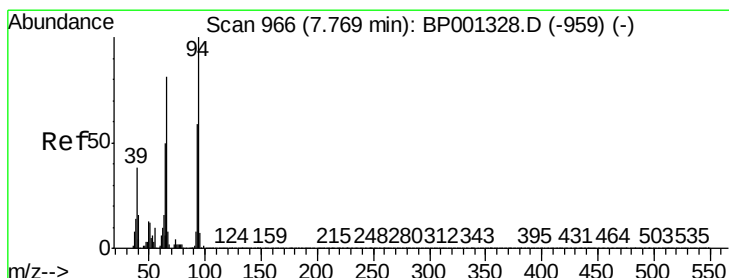
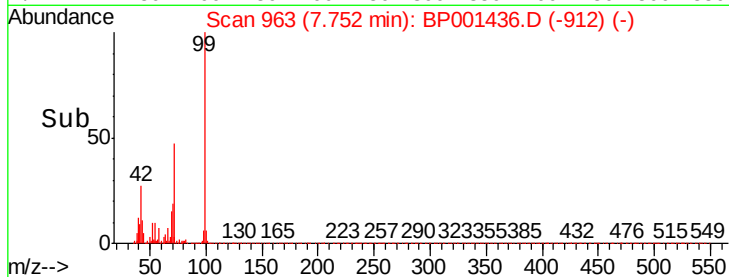
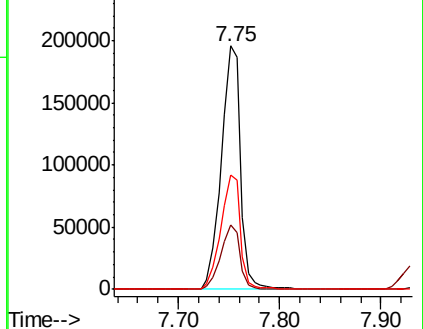
71 47.2 38.2 57.4



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



#10

Phenol

Concen: 3.138 ng

RT: 7.77 min Scan# 966

Delta R.T. -0.00 min

Lab File: BP001436.D

Acq: 26 Dec 2019 22:25

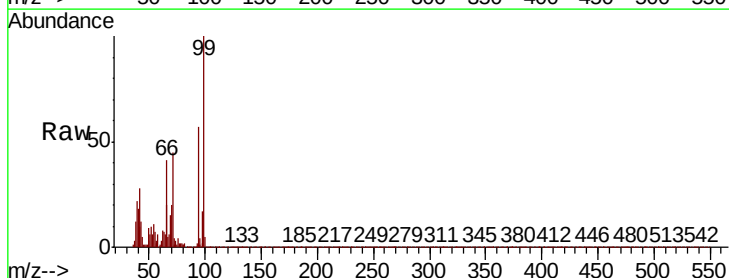
Tgt Ion: 94 Resp: 7315

Ion Ratio Lower Upper

94 100

65 35.2 29.6 69.6

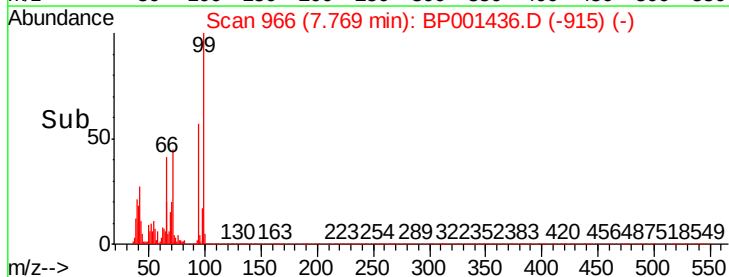
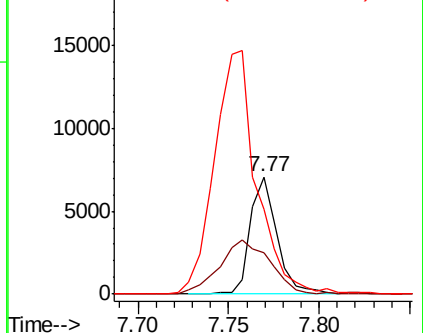
66 72.3 62.3 102.3

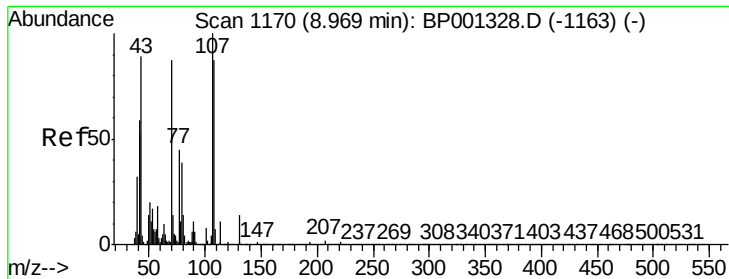


Abundance Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

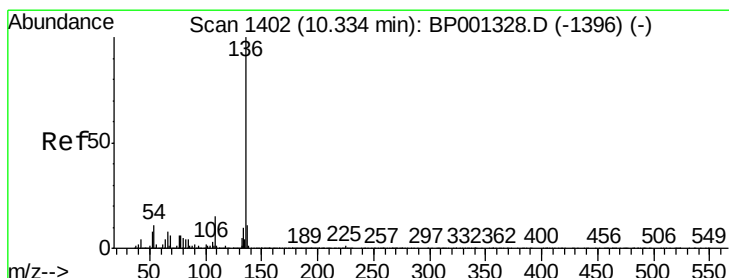
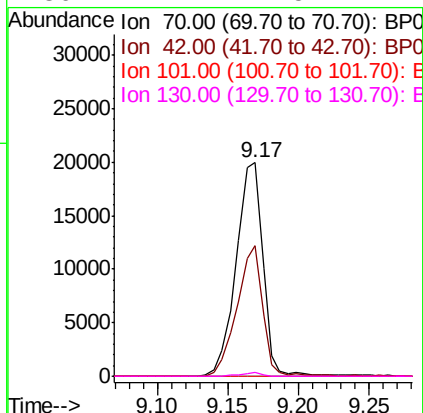
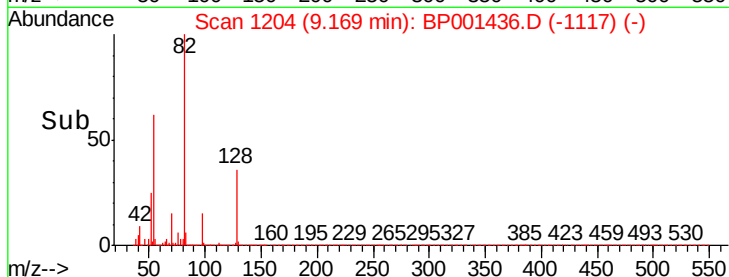
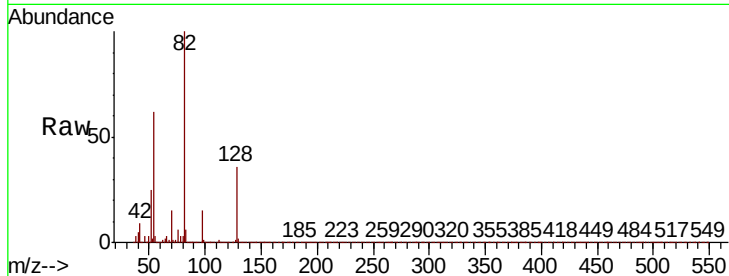




#19  
n-Nitroso-di-n-propylamine  
Concen: 18.312 ng  
RT: 9.17 min Scan# 1204  
Delta R.T. 0.21 min  
Lab File: BP001436.D  
Acq: 26 Dec 2019 22:25

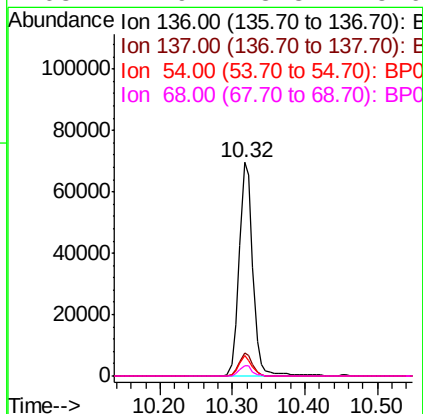
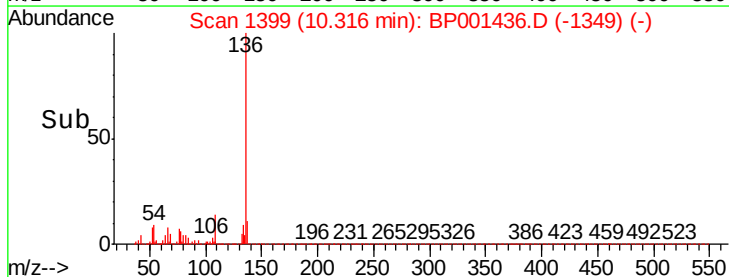
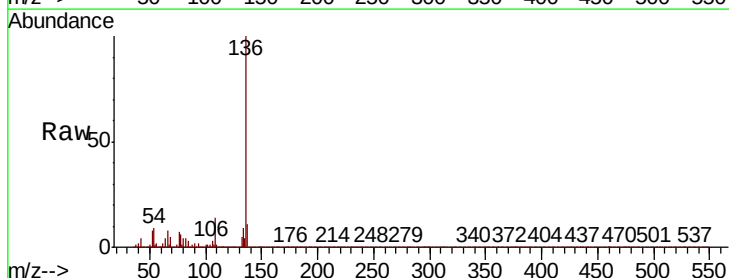
Instrument :  
BNA\_P  
ClientSampleId :

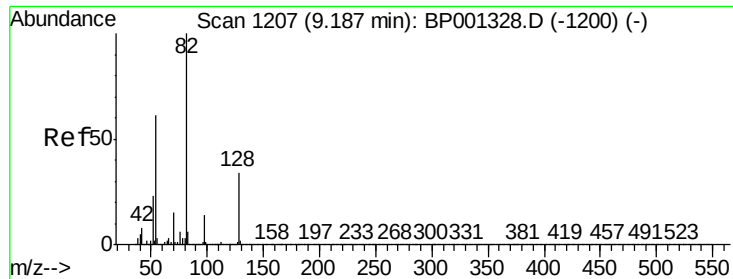
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 61.0  | 55.8  | 83.8  |
| 101     | 0.0   | 8.2   | 12.2# |
| 130     | 2.1   | 14.5  | 21.7# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.32 min Scan# 1399  
Delta R.T. -0.01 min  
Lab File: BP001436.D  
Acq: 26 Dec 2019 22:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.0  | 9.0   | 13.4  |
| 54      | 9.5   | 7.3   | 10.9  |
| 68      | 4.9   | 3.8   | 5.6   |

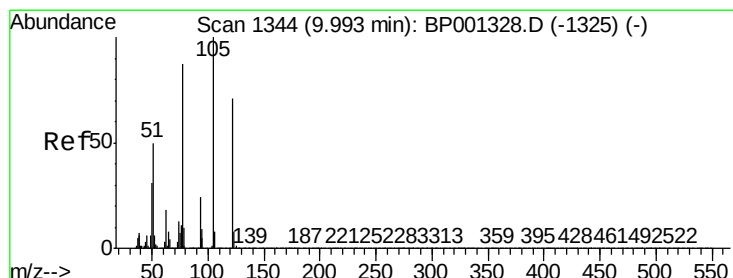
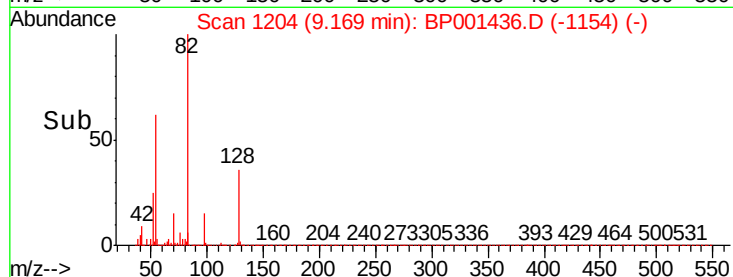
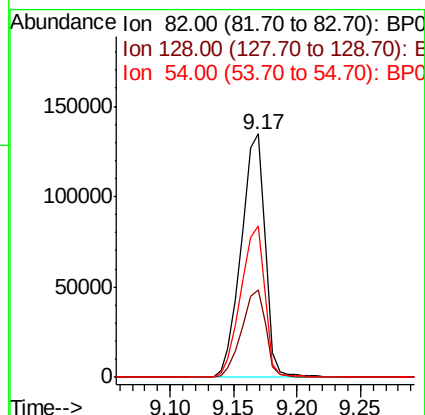
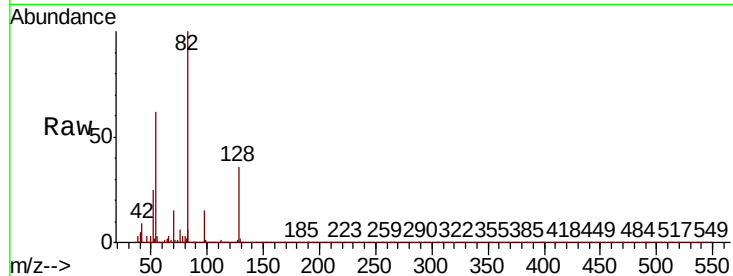




#23  
Nitrobenzene-d5  
Concen: 74.022 ng  
RT: 9.17 min Scan# 1204  
Delta R.T. -0.01 min  
Lab File: BP001436.D  
Acq: 26 Dec 2019 22:25

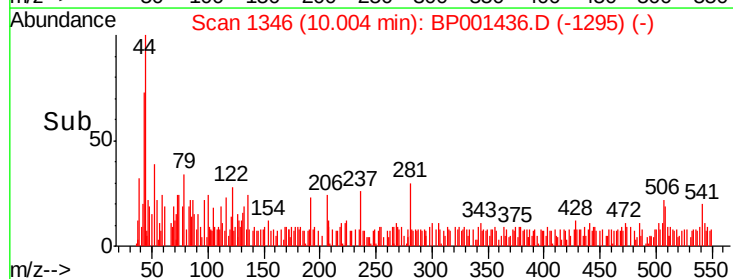
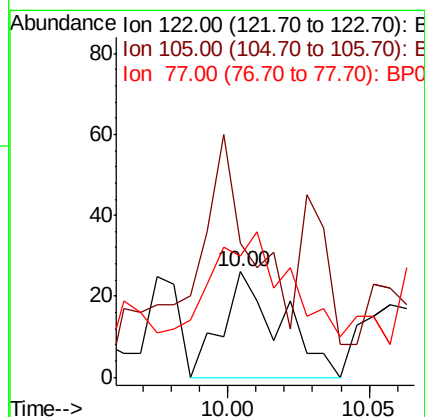
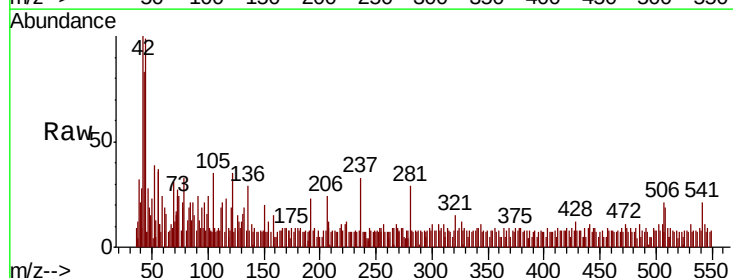
Instrument :  
BNA\_P  
ClientSampleId :

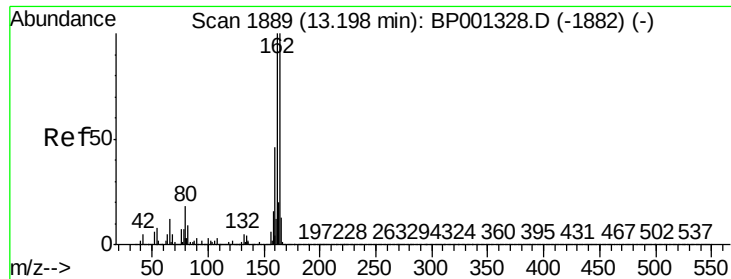
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 35.8  | 27.4  | 41.0  |
| 54      | 62.5  | 47.5  | 71.3  |



#32  
Benzoic acid  
Concen: 5.056 ng  
RT: 10.00 min Scan# 1346  
Delta R.T. -0.00 min  
Lab File: BP001436.D  
Acq: 26 Dec 2019 22:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 126.9 | 117.8 | 157.8 |
| 77      | 115.4 | 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: BP001436.D

Acq: 26 Dec 2019 22:25

Instrument :

BNA\_P

ClientSampled :

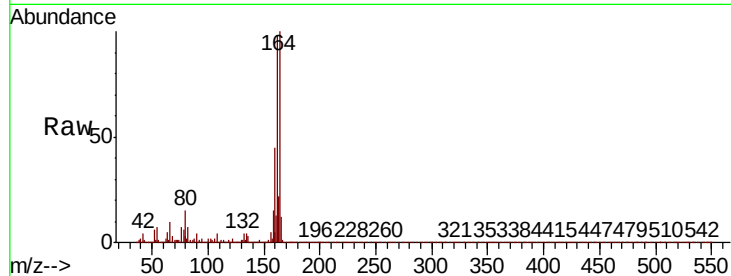
Tot Ion:164 Resp: 55036

Ion Ratio Lower Upper

164 100

162 98.3 78.2 117.4

160 44.9 35.1 52.7

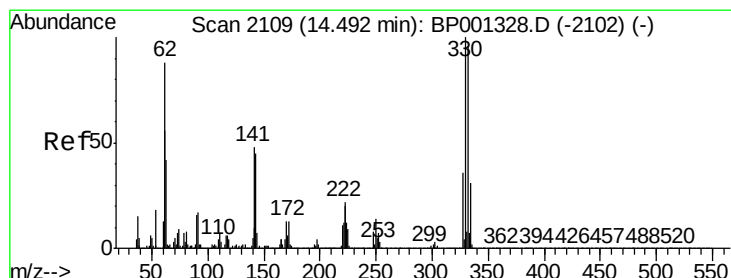
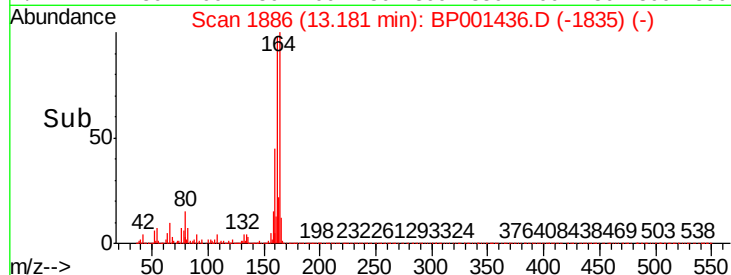
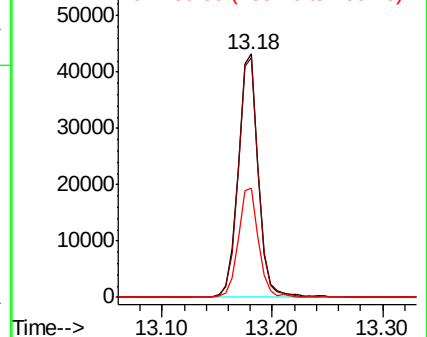


Abundance

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



#42

2,4,6-Tribromophenol

Concen: 122.128 ng

RT: 14.47 min Scan# 2106

Delta R.T. -0.01 min

Lab File: BP001436.D

Acq: 26 Dec 2019 22:25

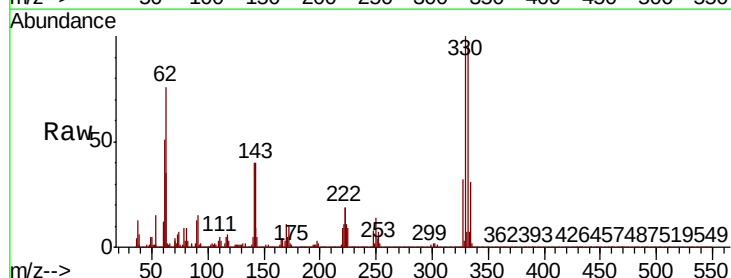
Tgt Ion:330 Resp: 84033

Ion Ratio Lower Upper

330 100

332 97.0 78.3 117.5

141 40.1 26.8 40.2

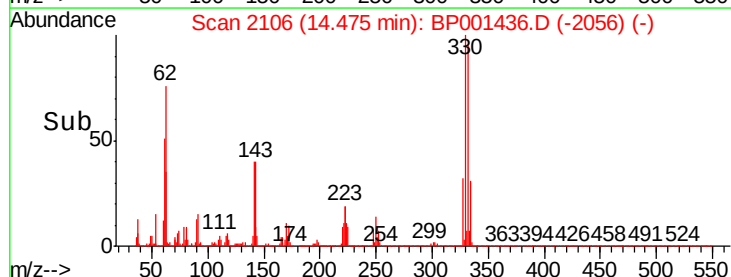
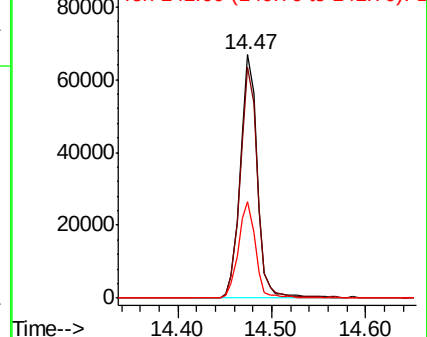


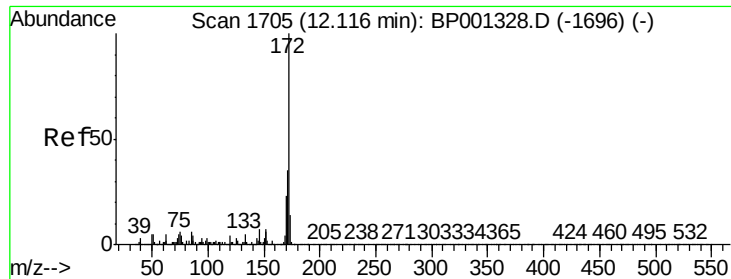
Abundance

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

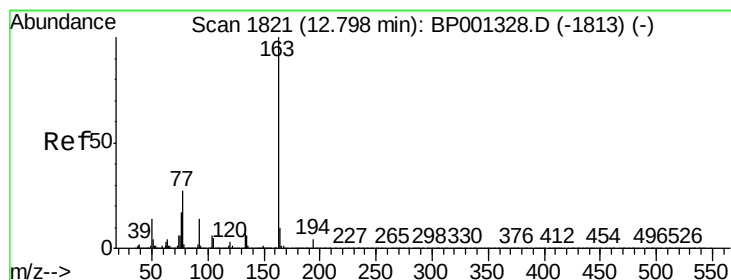
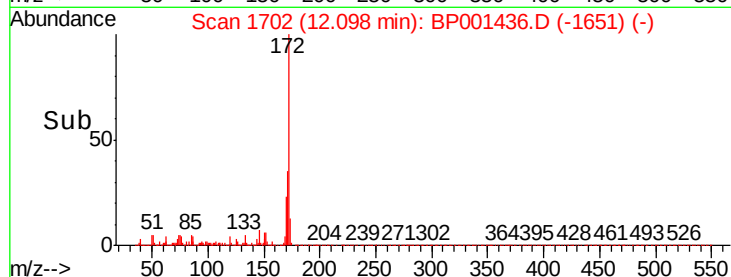
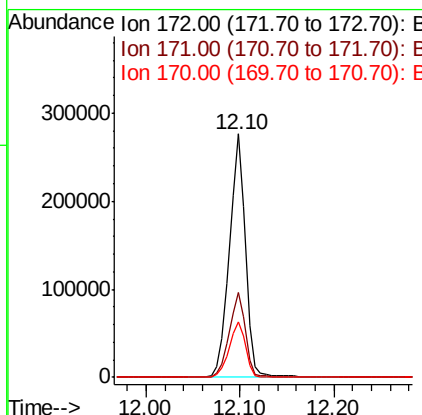
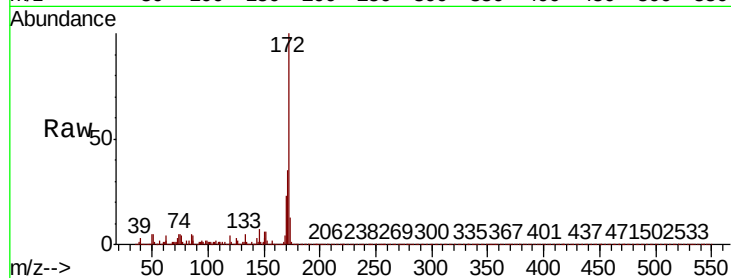




#45  
2-Fluorobiphenyl  
Concen: 75.884 ng  
RT: 12.10 min Scan# 1702  
Delta R.T. -0.00 min  
Lab File: BP001436.D  
Acq: 26 Dec 2019 22:25

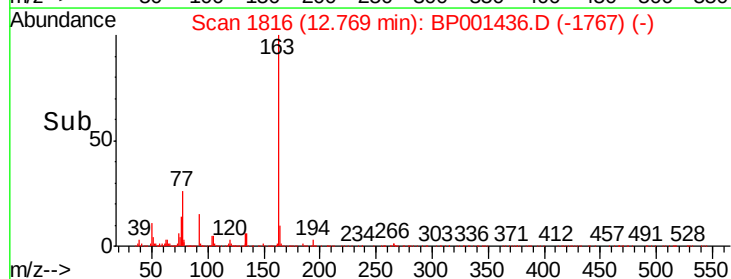
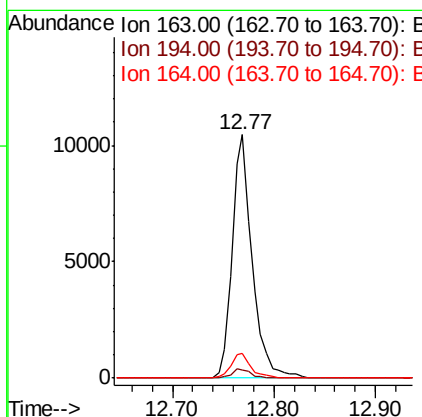
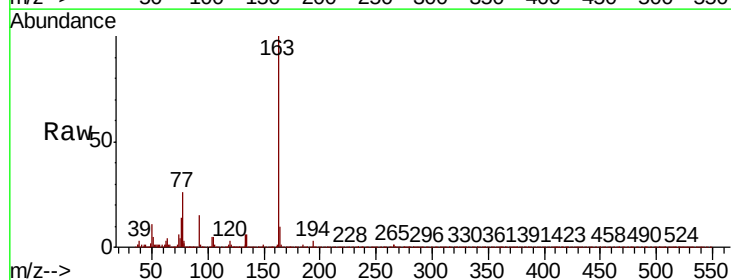
Instrument :  
BNA\_P  
ClientSampleId :

Tot Ion:172 Resp: 330279  
Ion Ratio Lower Upper  
172 100  
171 34.6 27.4 41.0  
170 22.9 18.2 27.4

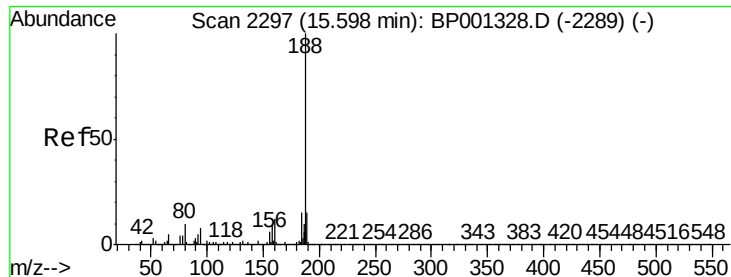


#50  
Dimethylphthalate  
Concen: 3.158 ng  
RT: 12.77 min Scan# 1816  
Delta R.T. -0.01 min  
Lab File: BP001436.D  
Acq: 26 Dec 2019 22:25

Tgt Ion:163 Resp: 14259  
Ion Ratio Lower Upper  
163 100  
194 3.5 3.2 4.8  
164 10.2 7.7 11.5







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 15.57 min Scan# 2293

Delta R.T. -0.01 min

Lab File: BP001436.D

Acq: 26 Dec 2019 22:25

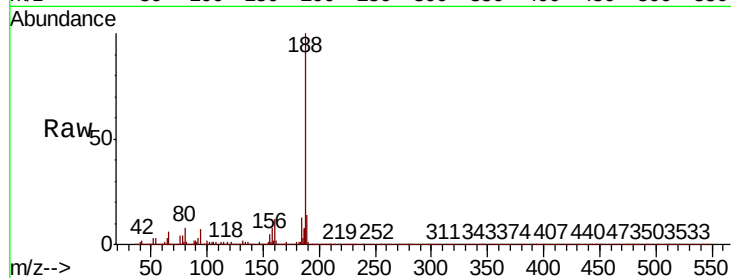
Instrument :

BNA\_P

ClientSampleId :

Tot Ion:188 Resp: 104277

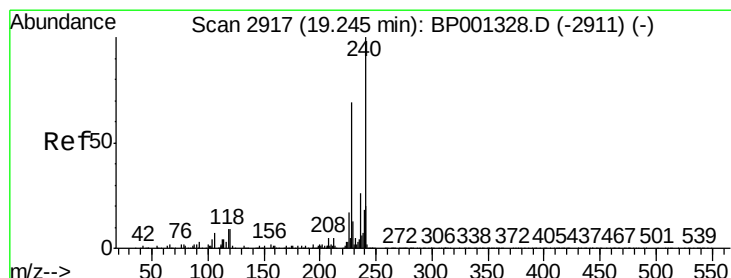
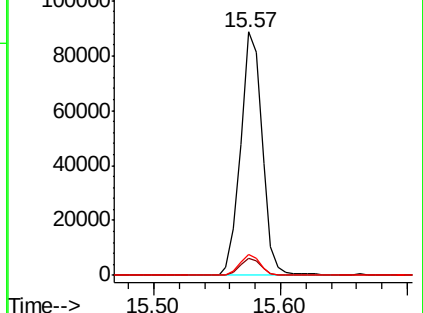
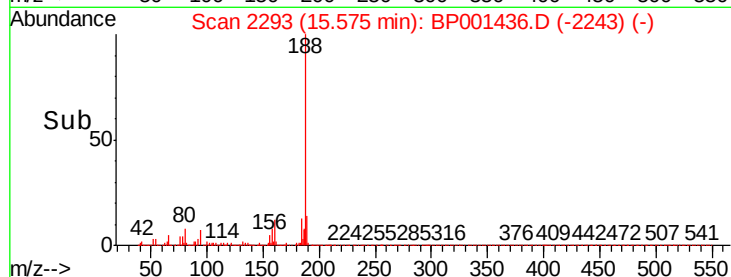
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 7.2   | 5.8   | 8.8   |
| 80  | 8.4   | 5.7   | 8.5   |



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

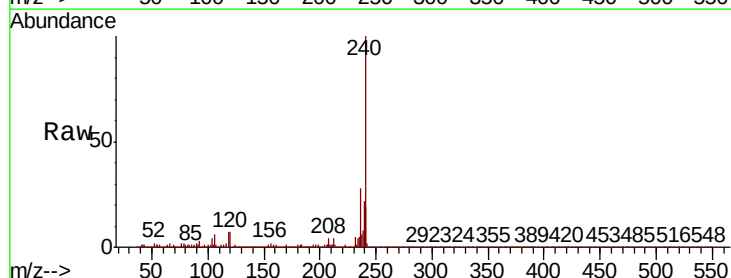
Delta R.T. -0.01 min

Lab File: BP001436.D

Acq: 26 Dec 2019 22:25

Tgt Ion:240 Resp: 81944

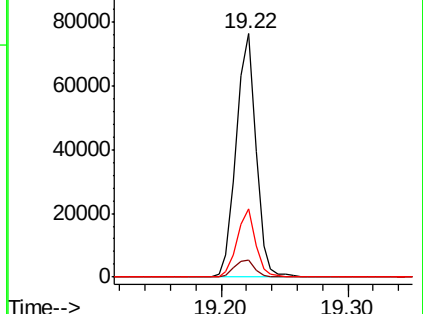
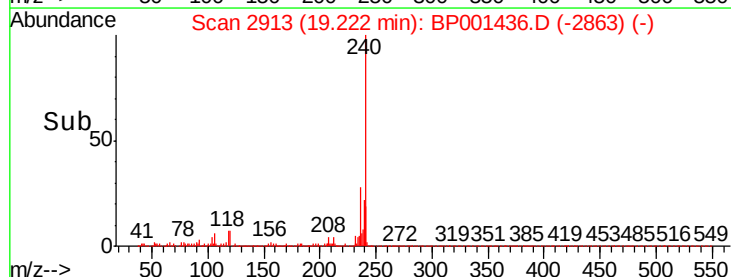
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 6.7   | 6.2   | 9.2   |
| 236 | 28.1  | 20.2  | 30.2  |

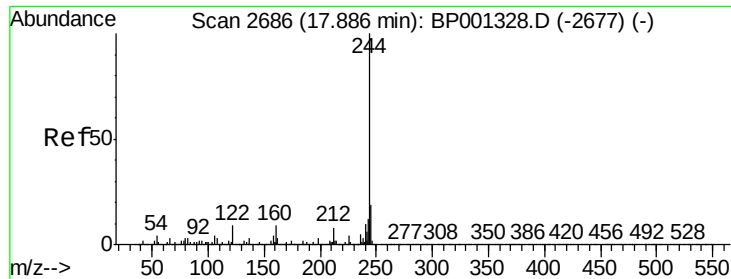


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 79.670 ng

RT: 17.86 min Scan# 2682

Delta R.T. -0.01 min

Lab File: BP001436.D

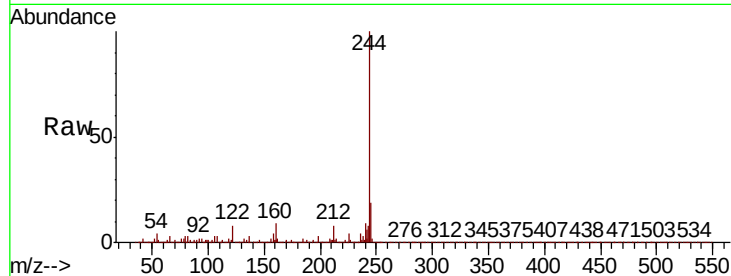
Acq: 26 Dec 2019 22:25

Instrument :

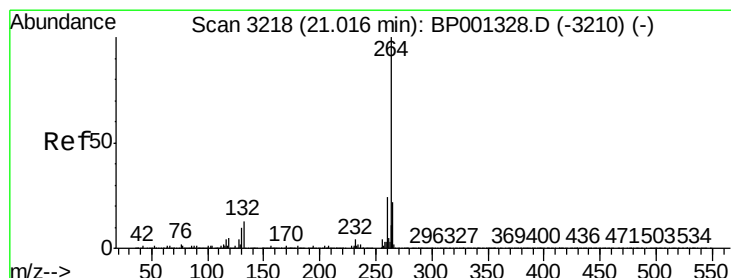
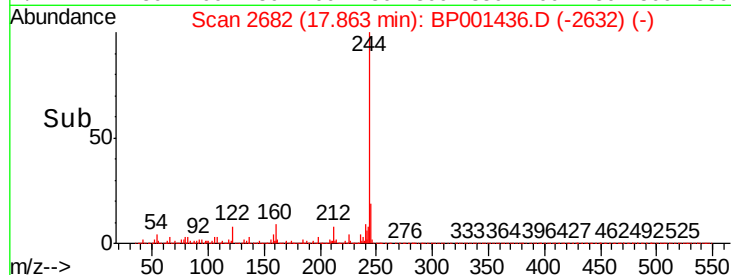
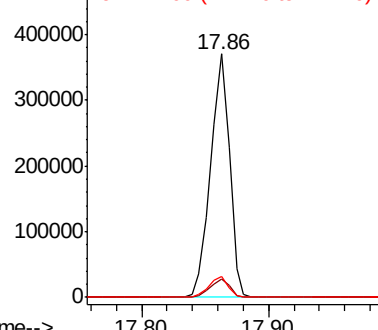
BNA\_P

ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 244   | Resp: | 381165 |
| Ion      | Ratio | Lower | Upper  |
| 244      | 100   |       |        |
| 212      | 7.5   | 5.8   | 8.8    |
| 122      | 8.5   | 6.4   | 9.6    |



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

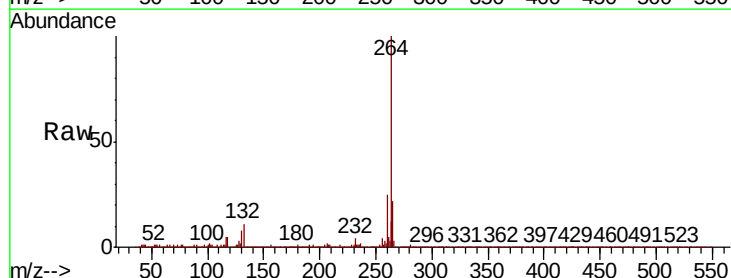
RT: 20.99 min Scan# 3213

Delta R.T. -0.01 min

Lab File: BP001436.D

Acq: 26 Dec 2019 22:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 264   | Resp: | 84512 |
| Ion      | Ratio | Lower | Upper |
| 264      | 100   |       |       |
| 260      | 24.7  | 19.0  | 28.4  |
| 265      | 22.4  | 17.0  | 25.4  |



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

