

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122419\  
 Data File : BP001398.D  
 Acq On : 24 Dec 2019 21:04  
 Operator : JU  
 Sample : K6406-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :

Quant Time: Dec 25 00:58:14 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

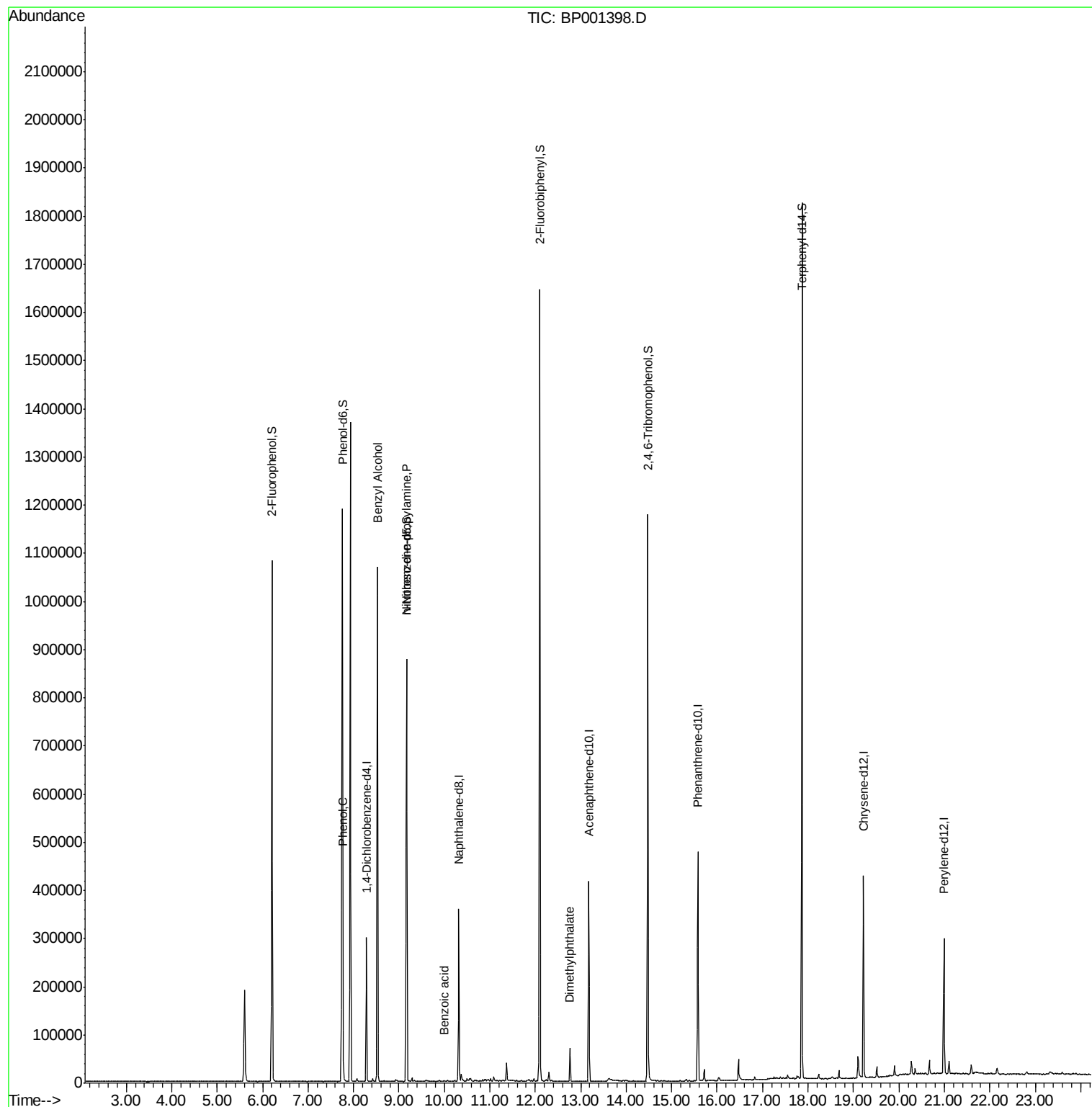
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.28  | 152  | 47044    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.32 | 136  | 174382   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 13.17 | 164  | 110206   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 15.57 | 188  | 215913   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 19.22 | 240  | 147972   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 20.99 | 264  | 142148   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 6.21  | 112  | 332872   | 114.36 | ng    | 0.01     |
| 7) Phenol-d6                   | 7.76  | 99   | 498058   | 131.13 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.17  | 82   | 351264   | 77.35  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 14.47 | 330  | 156750   | 113.77 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 12.10 | 172  | 617665   | 70.87  | ng    | 0.00     |
| 79) Terphenyl-d14              | 17.87 | 244  | 703084   | 81.38  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.77  | 94   | 17315    | 3.990  | ng    | # 80     |
| 15) Benzyl Alcohol             | 8.52  | 79   | 7194     | 2.019  | ng    | # 63     |
| 19) n-Nitroso-di-n-propylamine | 9.17  | 70   | 54601    | 20.250 | ng    | # 77     |
| 32) Benzoic acid               | 10.00 | 122  | 13       | 5.029  | ng    | # 36     |
| 50) Dimethylphthalate          | 12.76 | 163  | 29252    | 3.235  | ng    | 96       |

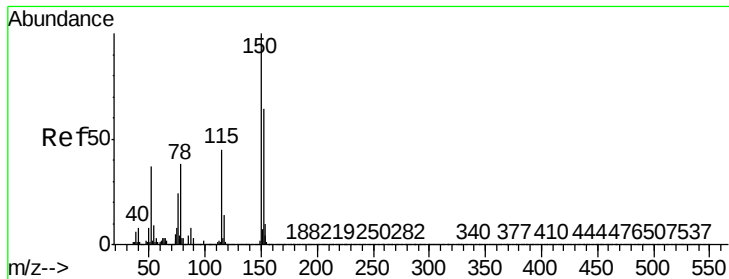
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_P  
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Quant Time: Dec 25 00:58:14 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP121919.M  
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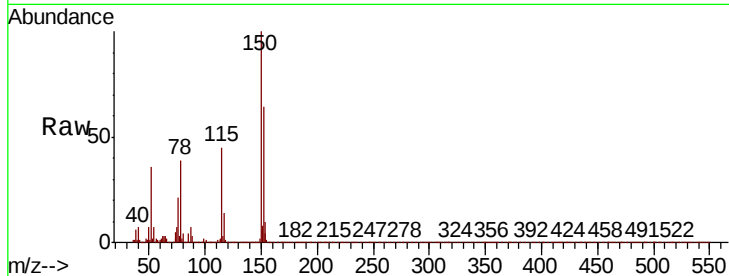




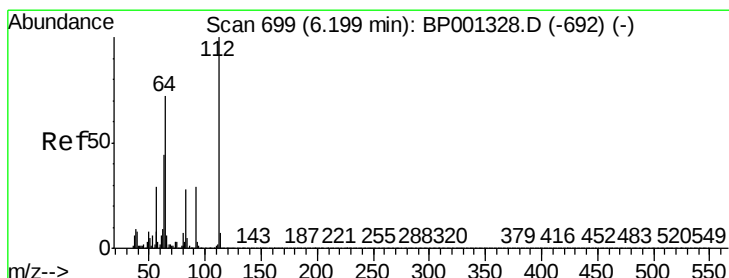
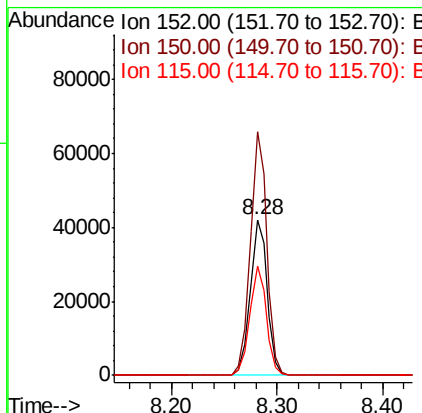
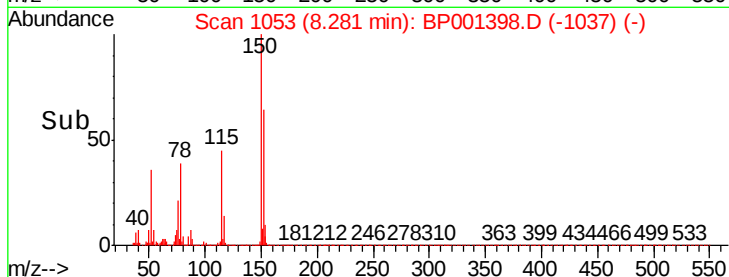
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.28 min Scan# 1053  
 Delta R.T. -0.01 min  
 Lab File: BP001398.D  
 Acq: 24 Dec 2019 21:04

Instrument :  
 BNA\_P  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.6 | 127.0 | 190.6 |
| 115     | 70.0  | 56.1  | 84.1  |

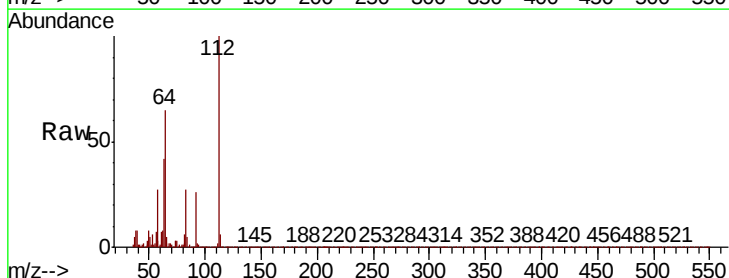


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

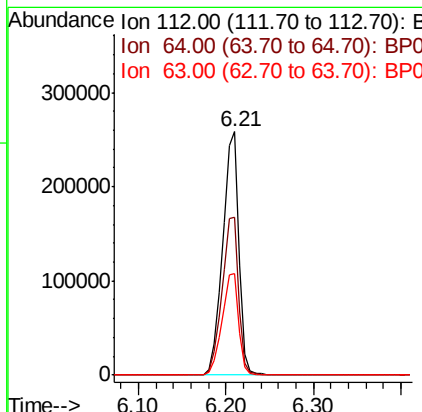
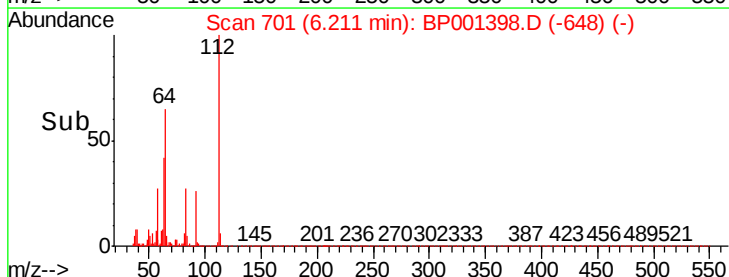


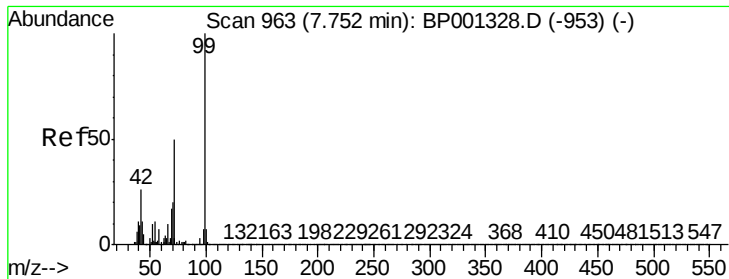
#5  
 2-Fluorophenol  
 Concen: 114.358 ng  
 RT: 6.21 min Scan# 701  
 Delta R.T. 0.01 min  
 Lab File: BP001398.D  
 Acq: 24 Dec 2019 21:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 64.7  | 53.9  | 80.9  |
| 63      | 42.0  | 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: 131.130 ng

RT: 7.76 min Scan# 964

Delta R.T. 0.01 min

Lab File: BP001398.D

Acq: 24 Dec 2019 21:04

Instrument :

BNA\_P

ClientSampled :

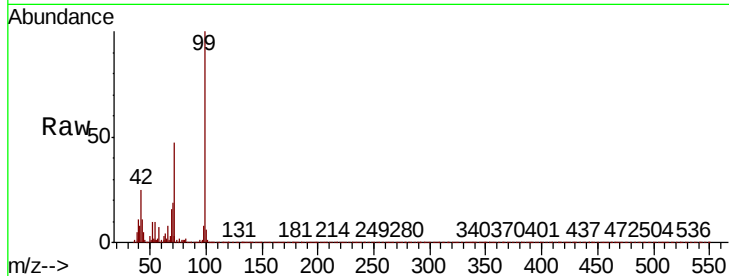
Tot Ion: 99 Resp: 498058

Ion Ratio Lower Upper

99 100

42 25.3 20.8 31.2

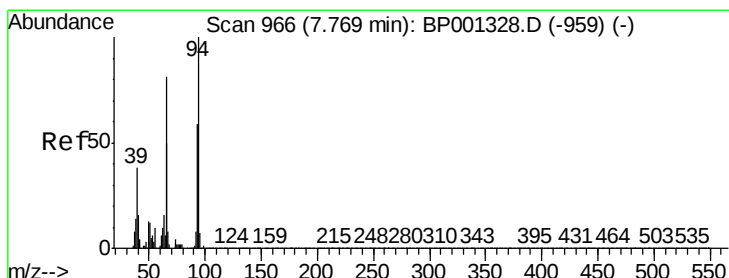
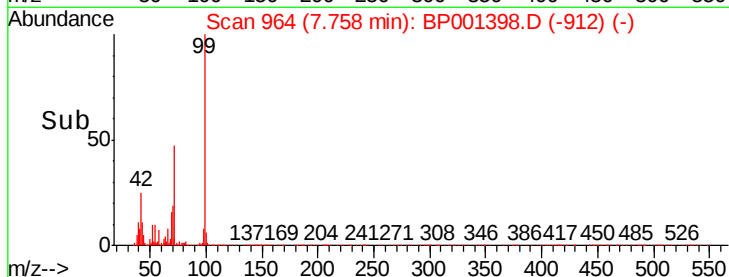
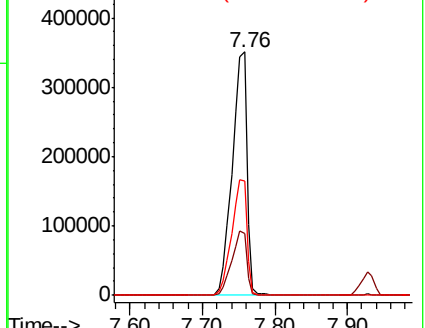
71 47.2 38.2 57.4



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: 3.990 ng

RT: 7.77 min Scan# 966

Delta R.T. -0.00 min

Lab File: BP001398.D

Acq: 24 Dec 2019 21:04

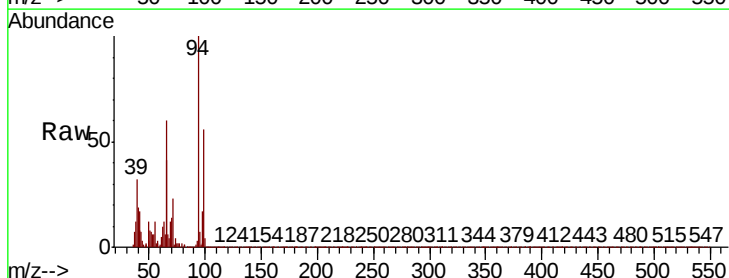
Tgt Ion: 94 Resp: 17315

Ion Ratio Lower Upper

94 100

65 40.9 29.6 69.6

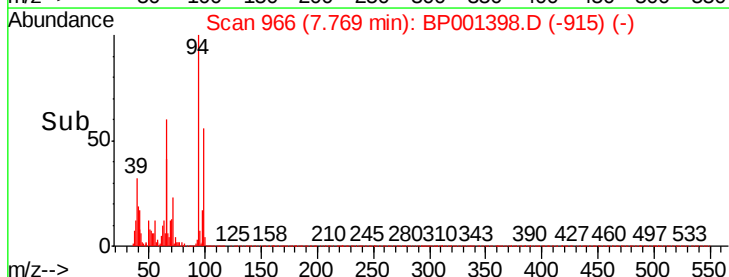
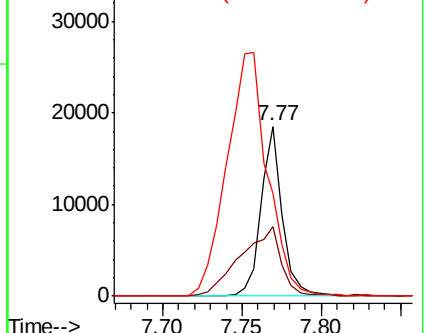
66 60.4 62.3 102.3#

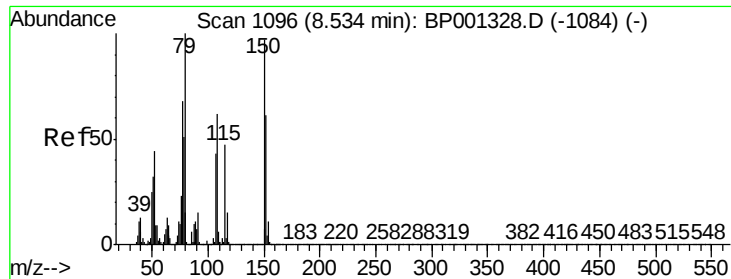


Abundance Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

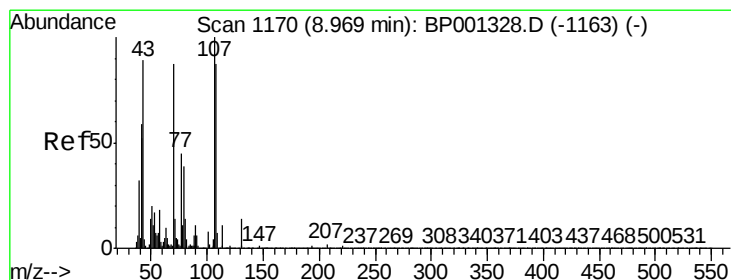
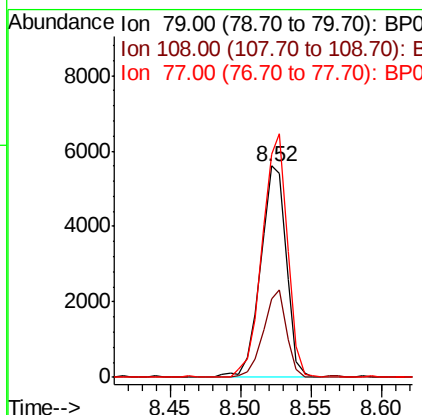
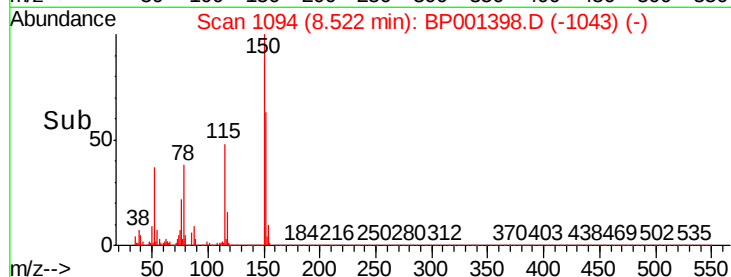
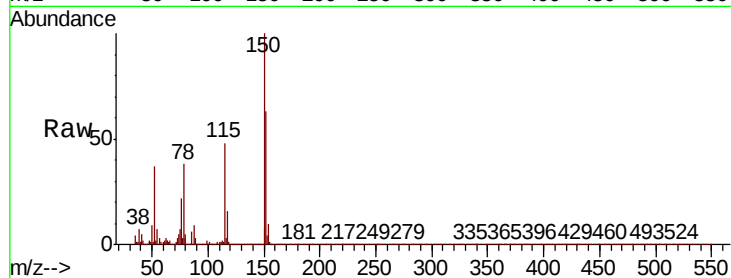




#15  
Benzyl Alcohol  
Concen: 2.019 ng  
RT: 8.52 min Scan# 1094  
Delta R.T. -0.00 min  
Lab File: BP001398.D  
Acq: 24 Dec 2019 21:04

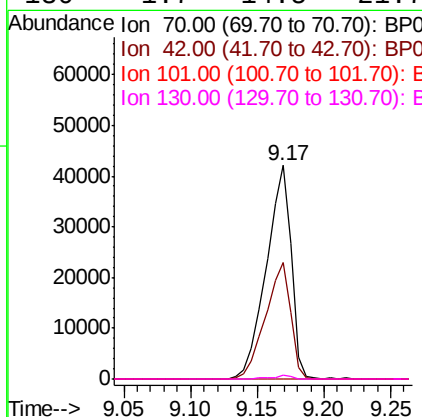
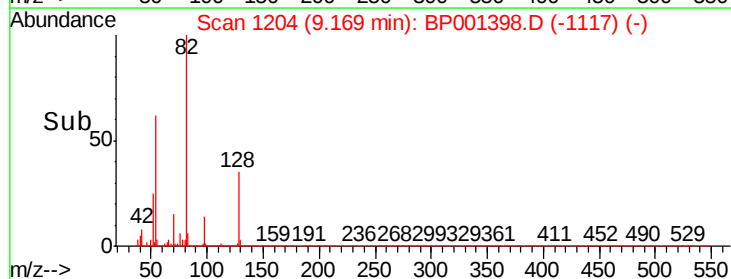
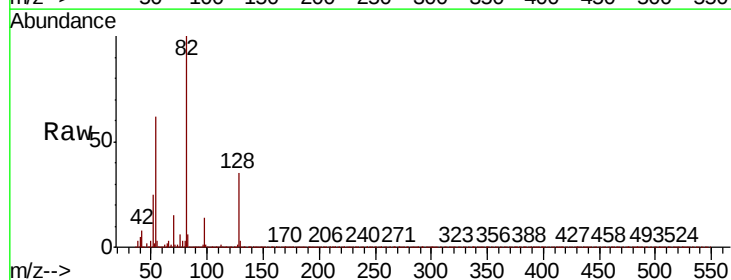
Instrument :  
BNA\_P  
ClientSampleId :

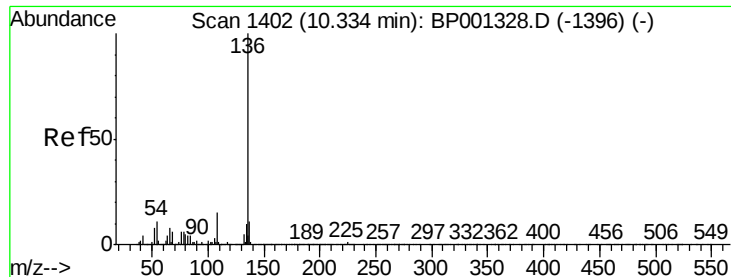
Tot Ion: 79 Resp: 7194  
Ion Ratio Lower Upper  
79 100  
108 37.4 49.0 73.4#  
77 105.7 56.7 85.1#



#19  
n-Nitroso-di-n-propylamine  
Concen: 20.250 ng  
RT: 9.17 min Scan# 1204  
Delta R.T. 0.21 min  
Lab File: BP001398.D  
Acq: 24 Dec 2019 21:04

Tgt Ion: 70 Resp: 54601  
Ion Ratio Lower Upper  
70 100  
42 54.8 55.8 83.8#  
101 0.1 8.2 12.2#  
130 1.7 14.5 21.7#

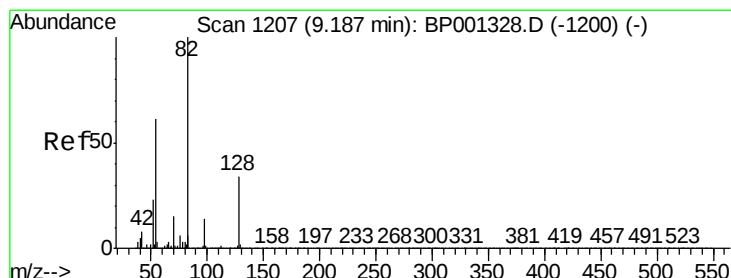
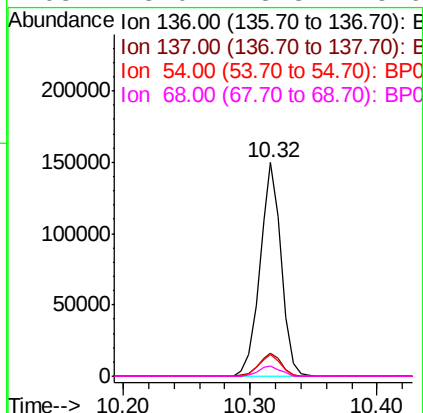
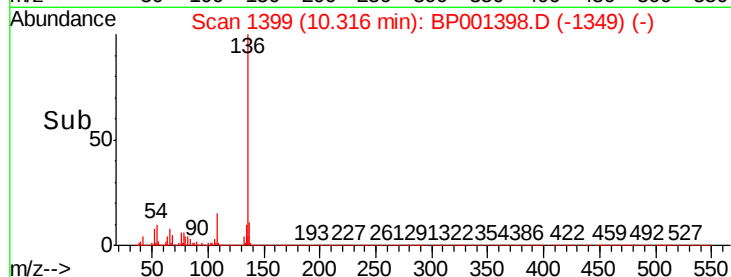
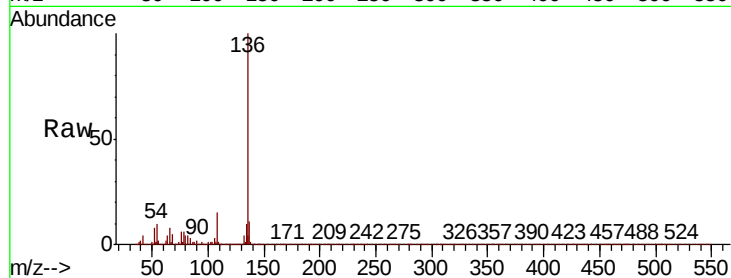




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.32 min Scan# 1399  
Delta R.T. -0.01 min  
Lab File: BP001398.D  
Acq: 24 Dec 2019 21:04

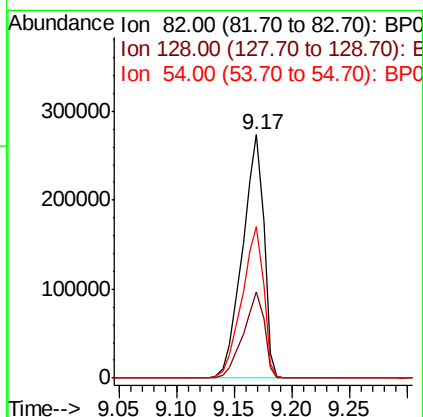
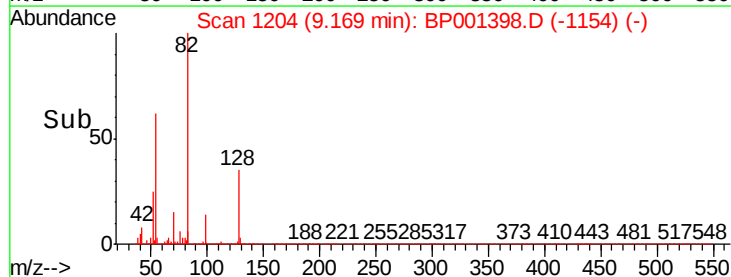
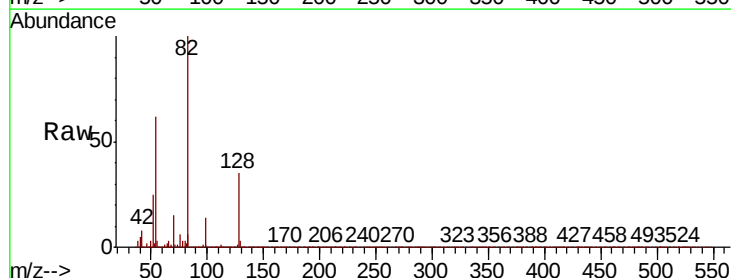
Instrument :  
BNA\_P  
ClientSampleId :

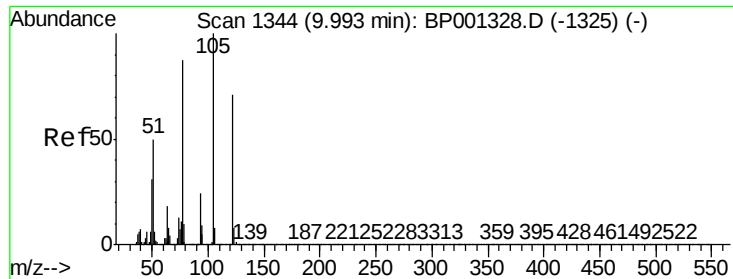
| Tot Ion:136 | Resp: | 174382      |
|-------------|-------|-------------|
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 10.6  | 9.0 13.4    |
| 54          | 9.9   | 7.3 10.9    |
| 68          | 5.0   | 3.8 5.6     |



#23  
Nitrobenzene-d5  
Concen: 77.353 ng  
RT: 9.17 min Scan# 1204  
Delta R.T. -0.01 min  
Lab File: BP001398.D  
Acq: 24 Dec 2019 21:04

| Tgt Ion: 82 | Resp: | 351264      |
|-------------|-------|-------------|
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 35.4  | 27.4 41.0   |
| 54          | 62.4  | 47.5 71.3   |

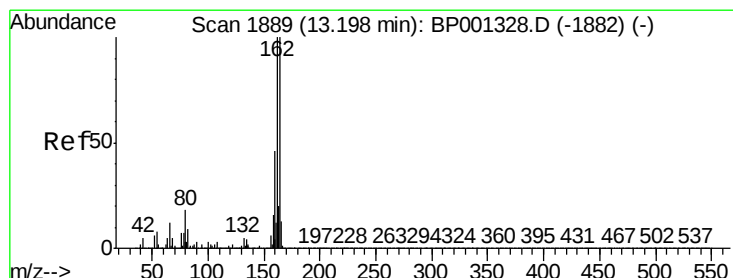
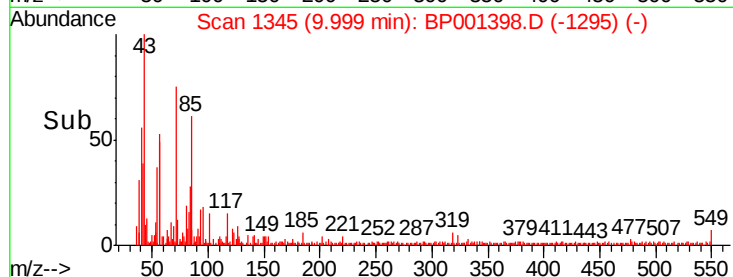
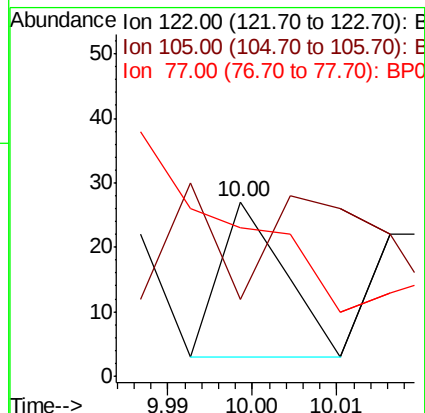
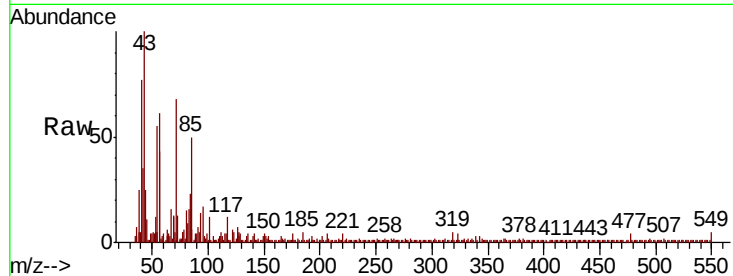




#32  
Benzoic acid  
Concen: 5.029 ng  
RT: 10.00 min Scan# 1345  
Delta R.T. -0.01 min  
Lab File: BP001398.D  
Acq: 24 Dec 2019 21:04

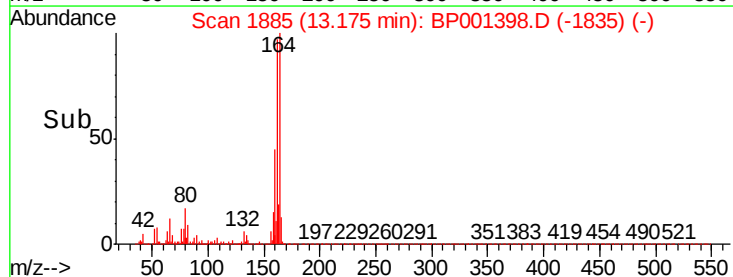
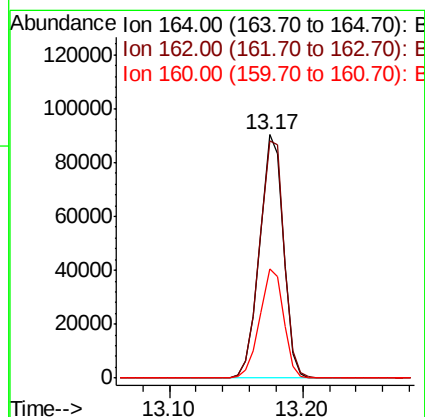
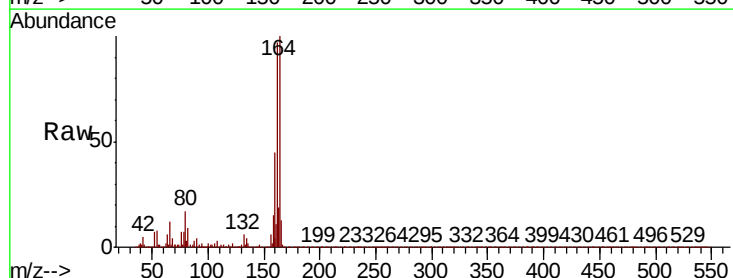
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BNA\_P  
ClientSampleId :

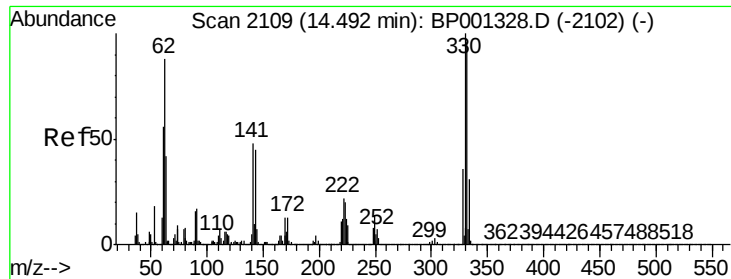
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 105     | 59.3  | 117.8 | 157.8# |
| 77      | 170.4 | 85.6  | 125.6# |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 13.17 min Scan# 1885  
Delta R.T. -0.01 min  
Lab File: BP001398.D  
Acq: 24 Dec 2019 21:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 97.2  | 78.2  | 117.4 |
| 160     | 44.7  | 35.1  | 52.7  |

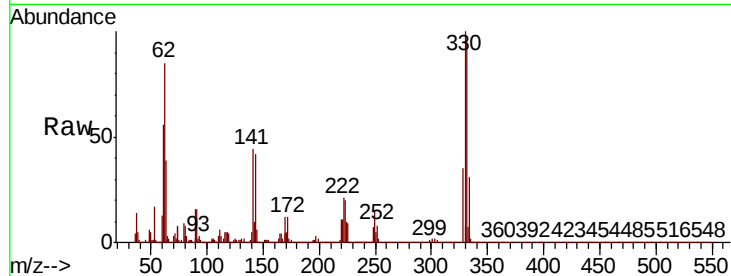




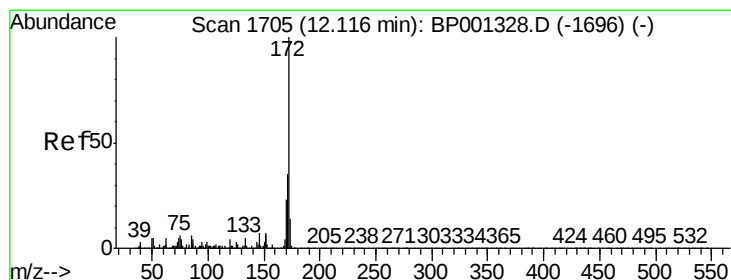
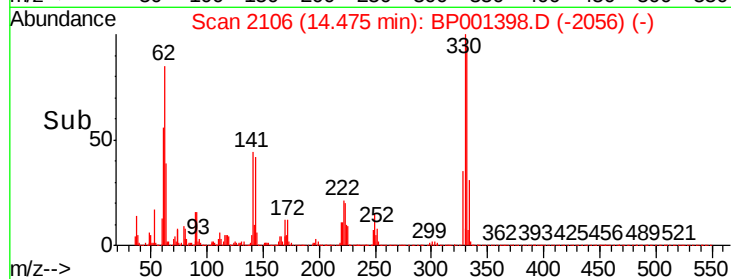
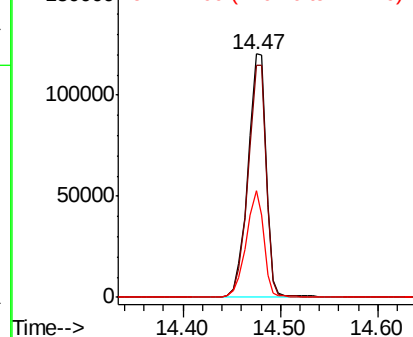
#42  
 2,4,6-Tribromophenol  
 Concen: 113.766 ng  
 RT: 14.47 min Scan# 2106  
 Delta R.T. -0.01 min  
 Lab File: BP001398.D  
 Acq: 24 Dec 2019 21:04

Instrument :  
 BNA\_P  
 ClientSampleId :

Tot Ion:330 Resp: 156750  
 Ion Ratio Lower Upper  
 330 100  
 332 95.1 78.3 117.5  
 141 42.1 26.8 40.2#

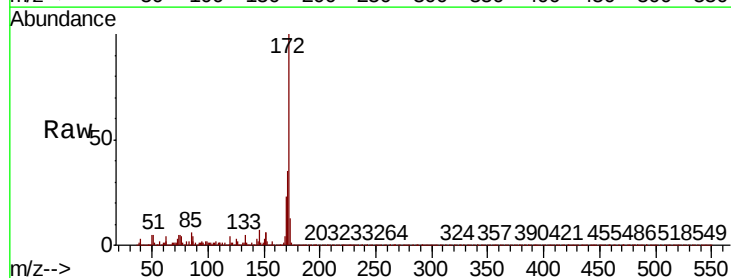


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

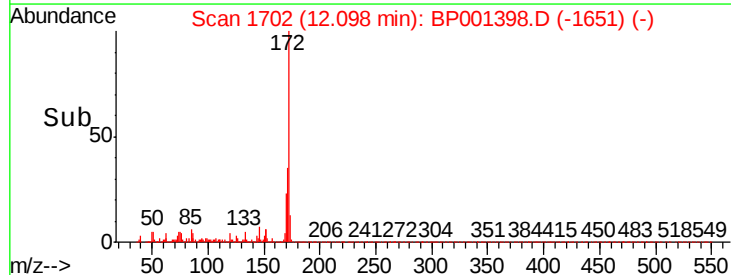
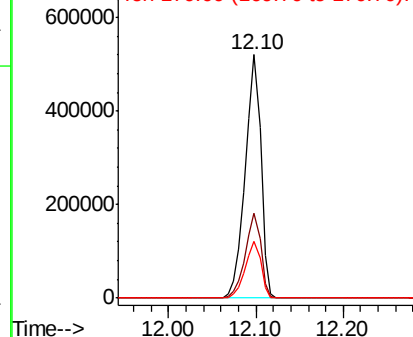


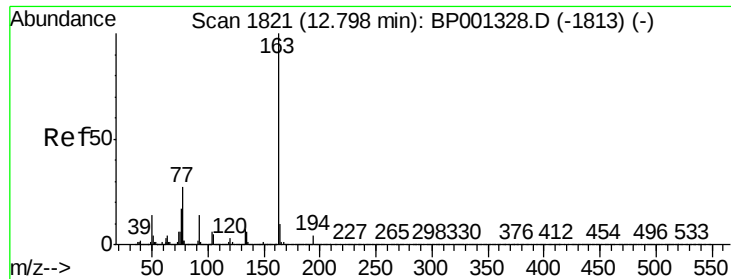
#45  
 2-Fluorobiphenyl  
 Concen: 70.870 ng  
 RT: 12.10 min Scan# 1702  
 Delta R.T. -0.00 min  
 Lab File: BP001398.D  
 Acq: 24 Dec 2019 21:04

Tgt Ion:172 Resp: 617665  
 Ion Ratio Lower Upper  
 172 100  
 171 34.7 27.4 41.0  
 170 23.2 18.2 27.4



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

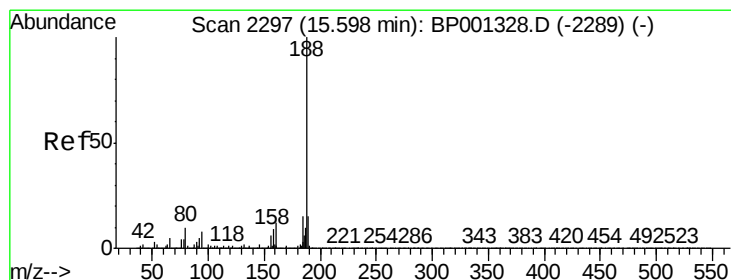
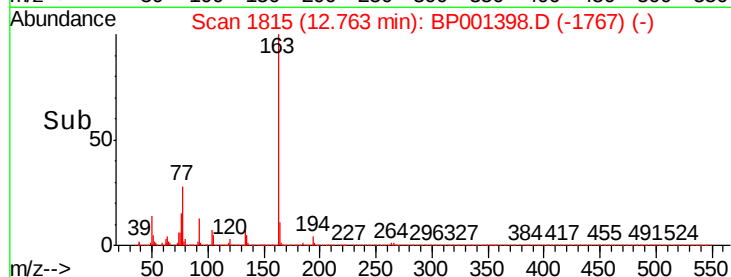
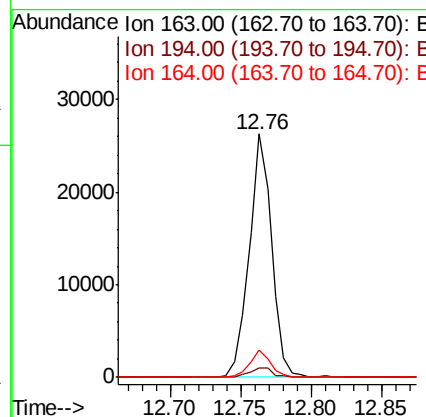
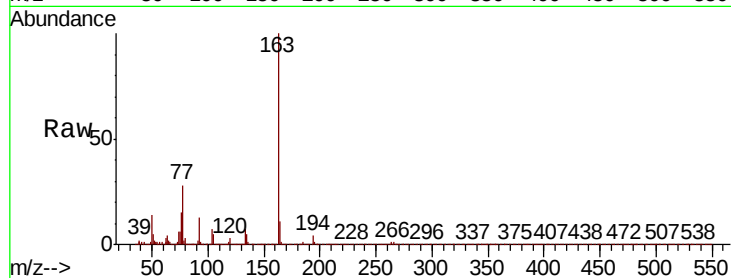




#50  
Dimethylphthalate  
Concen: 3.235 ng  
RT: 12.76 min Scan# 1815  
Delta R.T. -0.02 min  
Lab File: BP001398.D  
Acq: 24 Dec 2019 21:04

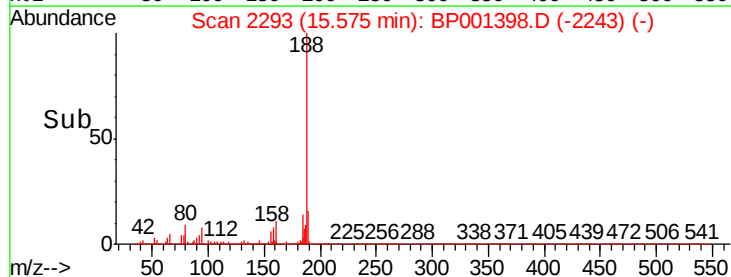
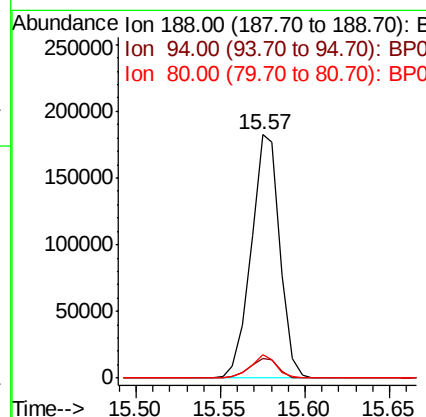
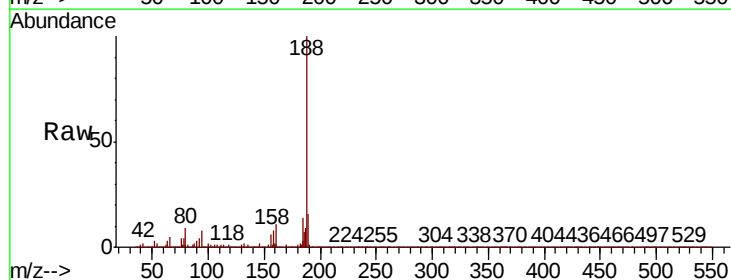
Instrument :  
BNA\_P  
ClientSampleId :

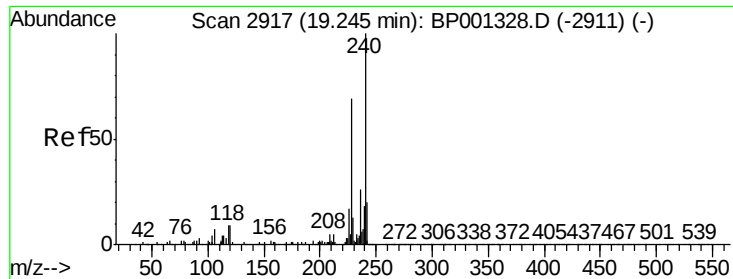
Tot Ion:163 Resp: 29252  
Ion Ratio Lower Upper  
163 100  
194 3.7 3.2 4.8  
164 11.3 7.7 11.5



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 15.57 min Scan# 2293  
Delta R.T. -0.01 min  
Lab File: BP001398.D  
Acq: 24 Dec 2019 21:04

Tgt Ion:188 Resp: 215913  
Ion Ratio Lower Upper  
188 100  
94 8.2 5.8 8.8  
80 9.4 5.7 8.5#

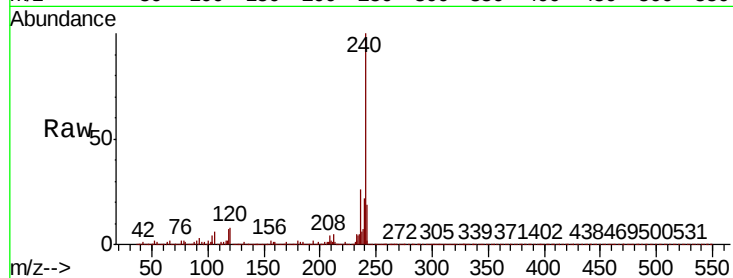




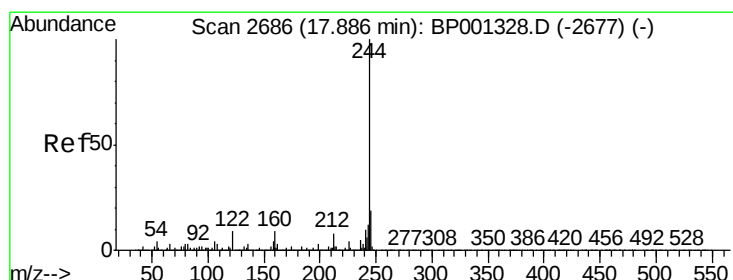
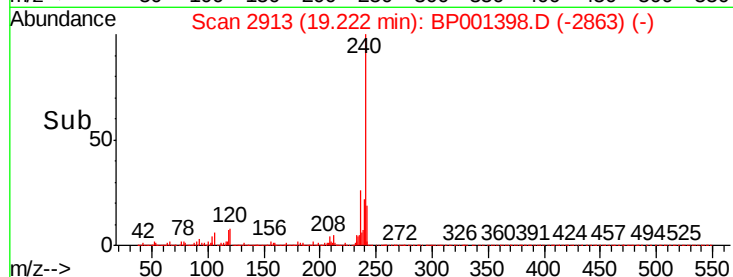
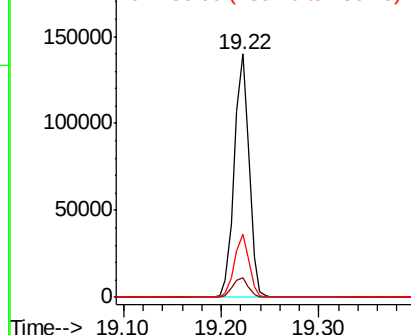
#76  
 Chrvsene-d12  
 Concen: 20.000 ng  
 RT: 19.22 min Scan# 2913  
 Delta R.T. -0.01 min  
 Lab File: BP001398.D  
 Acq: 24 Dec 2019 21:04

Instrument :  
 BNA\_P  
 ClientSampleId :

Tot Ion:240 Resp: 147972  
 Ion Ratio Lower Upper  
 240 100  
 120 8.2 6.2 9.2  
 236 26.2 20.2 30.2

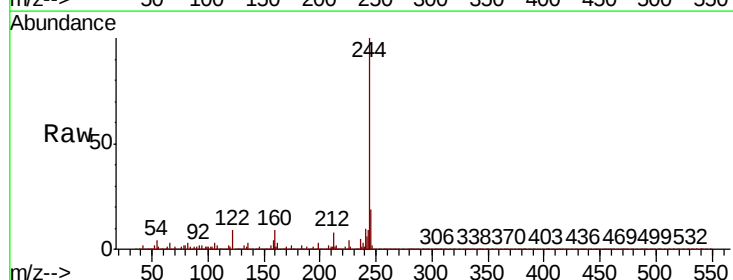


Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E

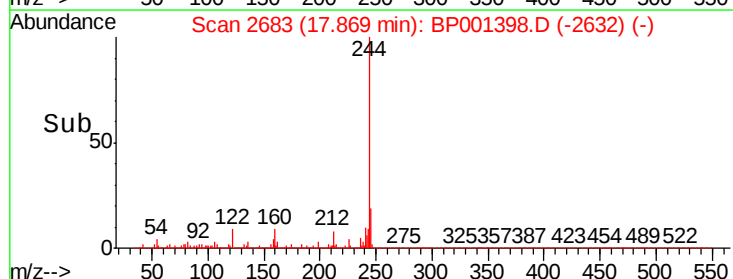
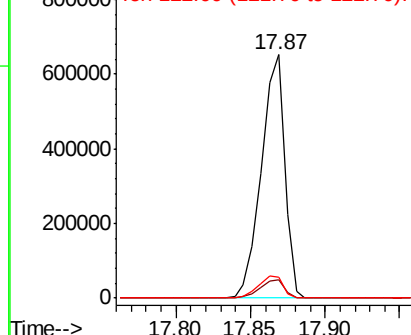


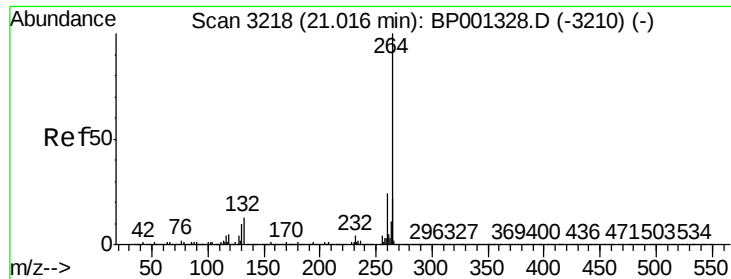
#79  
 Terphenyl-d14  
 Concen: 81.381 ng  
 RT: 17.87 min Scan# 2683  
 Delta R.T. -0.00 min  
 Lab File: BP001398.D  
 Acq: 24 Dec 2019 21:04

Tgt Ion:244 Resp: 703084  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 5.8 8.8  
 122 8.8 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

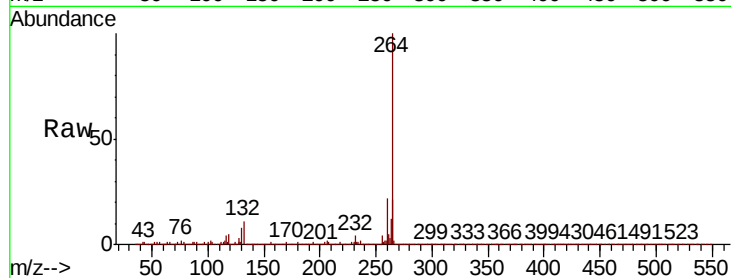




#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 20.99 min Scan# 3214  
 Delta R.T. -0.00 min  
 Lab File: BP001398.D  
 Acq: 24 Dec 2019 21:04

Instrument :  
 BNA\_P  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 21.8  | 19.0  | 28.4  |
| 265     | 20.7  | 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

