

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP120319\  
 Data File : BP001199.D  
 Acq On : 04 Dec 2019 14:34  
 Operator : JU  
 Sample : K6085-01  
 Misc :  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MW-2

Quant Time: Dec 12 13:58:53 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 27 17:38:46 2019  
 Response via : Initial Calibration

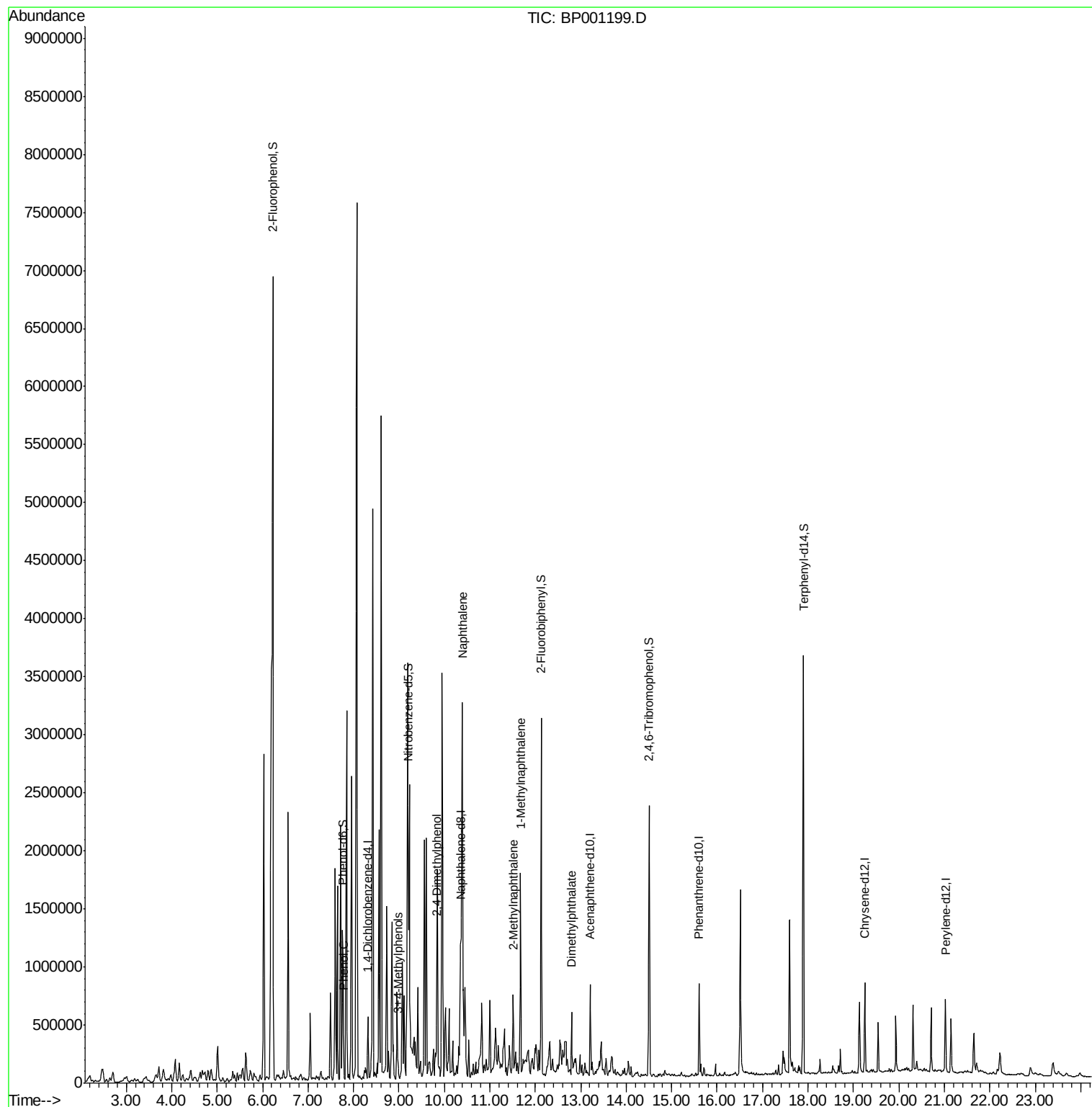
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|-------|------|----------|---------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.32  | 152  | 93116    | 20.00   | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.35 | 136  | 325217   | 20.00   | ng    | -0.01    |
| 39) Acenaphthene-d10        | 13.21 | 164  | 189890   | 20.00   | ng    | -0.02    |
| 64) Phenanthrene-d10        | 15.60 | 188  | 363694   | 20.00   | ng    | -0.02    |
| 76) Chrysene-d12            | 19.25 | 240  | 287342   | 20.00   | ng    | -0.02    |
| 87) Perylene-d12            | 21.03 | 264  | 312353   | 20.00   | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |         |       |          |
| 5) 2-Fluorophenol           | 6.22  | 112  | 518027   | 92.30   | ng    | 0.00     |
| 7) Phenol-d6                | 7.76  | 99   | 491168   | 65.69   | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.20  | 82   | 729323   | 97.30   | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 14.50 | 330  | 299236   | 164.41  | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 12.13 | 172  | 1208575  | 93.15   | ng    | -0.02    |
| 79) Terphenyl-d14           | 17.90 | 244  | 1505151  | 96.91   | ng    | -0.02    |
| Target Compounds            |       |      |          |         |       |          |
| 10) Phenol                  | 7.78  | 94   | 30725    | 3.613   | ng    | 94       |
| 20) 3+4-Methylphenols       | 8.98  | 107  | 47145    | 7.021   | ng    | 94       |
| 27) 2,4-Dimethylphenol      | 9.83  | 122  | 25645m   | 5.930   | ng    |          |
| 31) Naphthalene             | 10.39 | 128  | 1811719  | 109.076 | ng    | 99       |
| 37) 2-Methylnaphthalene     | 11.51 | 142  | 186770   | 16.479  | ng    | 94       |
| 38) 1-Methylnaphthalene     | 11.67 | 142  | 382454   | 35.722  | ng    | # 99     |
| 50) Dimethylphthalate       | 12.80 | 163  | 237779   | 16.743  | ng    | 98       |

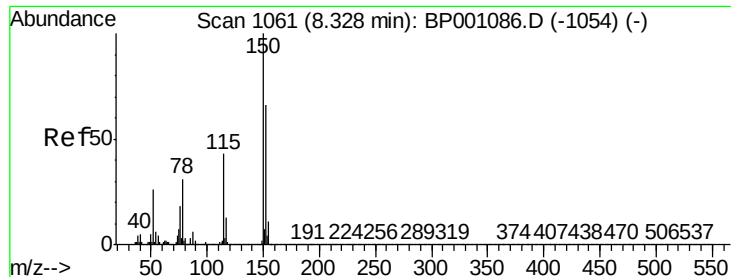
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 27 17:38:46 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.32 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BP001199.D

Acq: 04 Dec 2019 14:34

Instrument :

BNA\_P

ClientSampleId :

MW-2

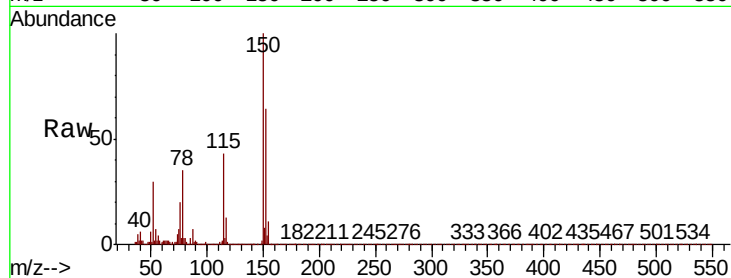
Tot Ion:152 Resp: 93116

Ion Ratio Lower Upper

152 100

150 155.3 120.6 181.0

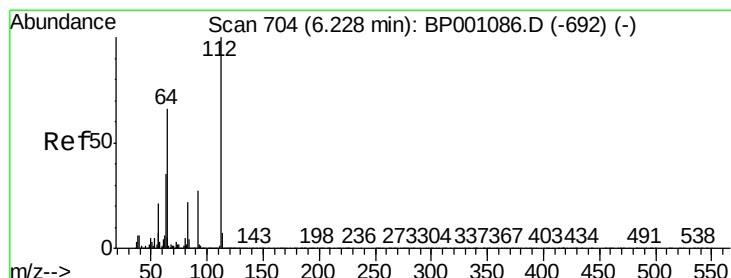
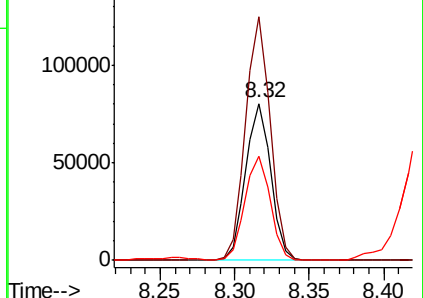
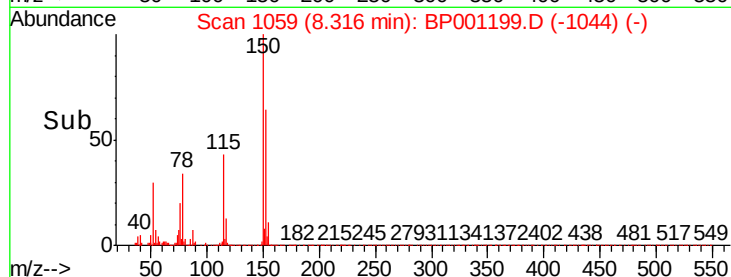
115 66.5 51.6 77.4



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: 92.299 ng

RT: 6.22 min Scan# 703

Delta R.T. -0.01 min

Lab File: BP001199.D

Acq: 04 Dec 2019 14:34

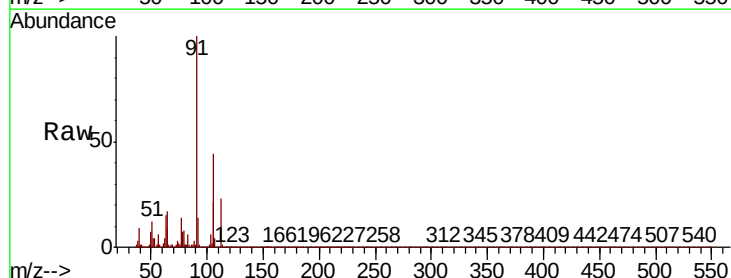
Tgt Ion:112 Resp: 518027

Ion Ratio Lower Upper

112 100

64 72.2 52.8 79.2

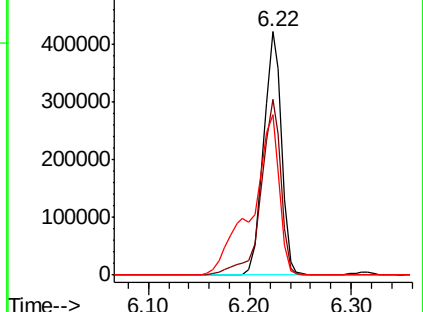
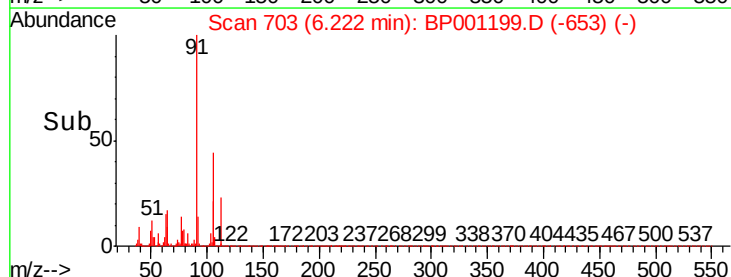
63 66.1 28.2 42.2#

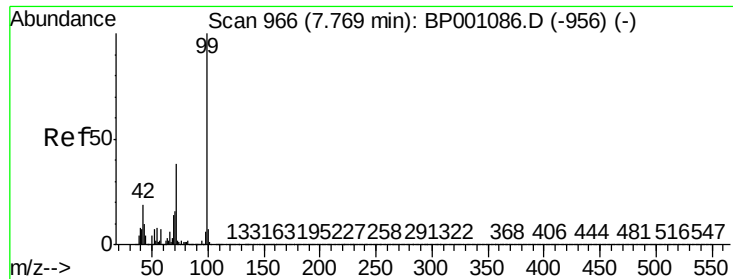


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 65.688 ng

RT: 7.76 min Scan# 965

Delta R.T. -0.01 min

Lab File: BP001199.D

Acq: 04 Dec 2019 14:34

Instrument :

BNA\_P

ClientSampled :

MW-2

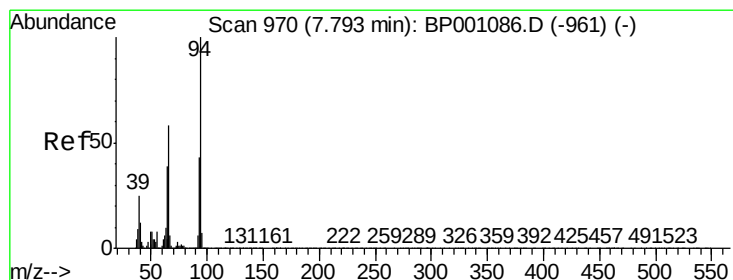
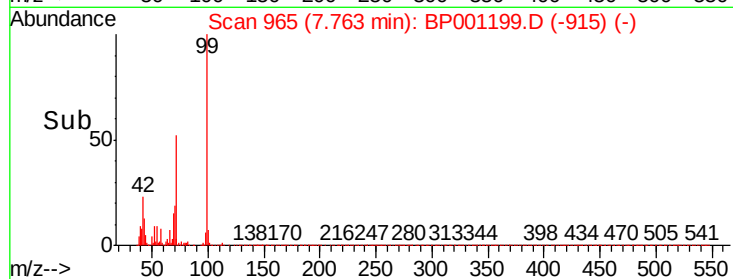
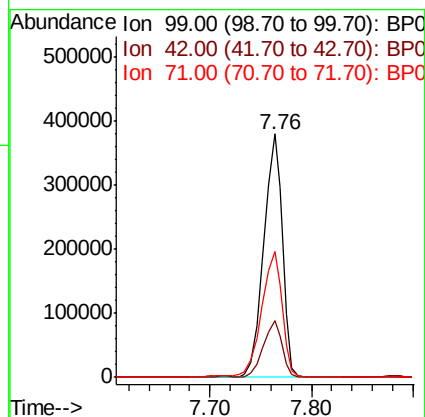
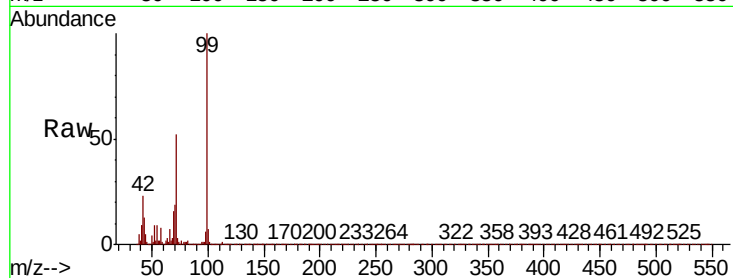
Tot Ion: 99 Resp: 491168

Ion Ratio Lower Upper

99 100

42 23.3 15.4 23.0#

71 51.9 30.8 46.2#



#10

Phenol

Concen: 3.613 ng

RT: 7.78 min Scan# 968

Delta R.T. -0.01 min

Lab File: BP001199.D

Acq: 04 Dec 2019 14:34

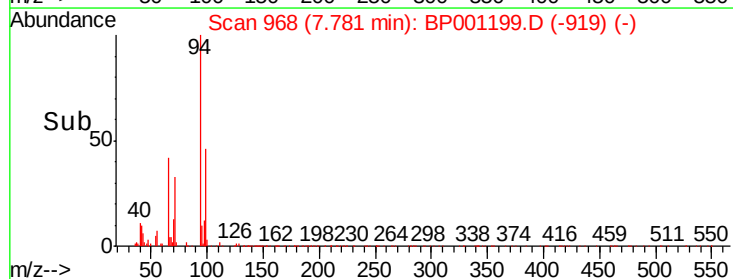
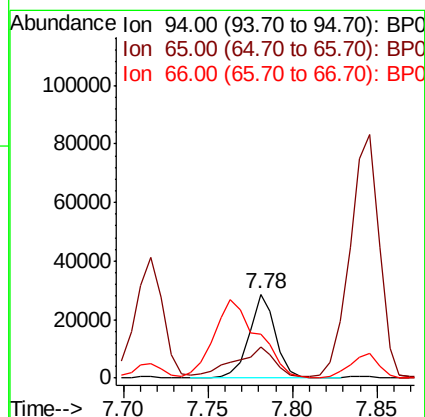
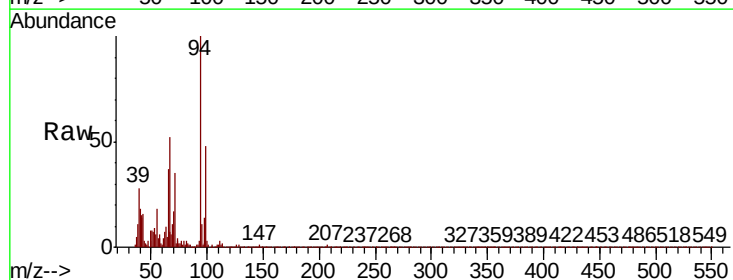
Tgt Ion: 94 Resp: 30725

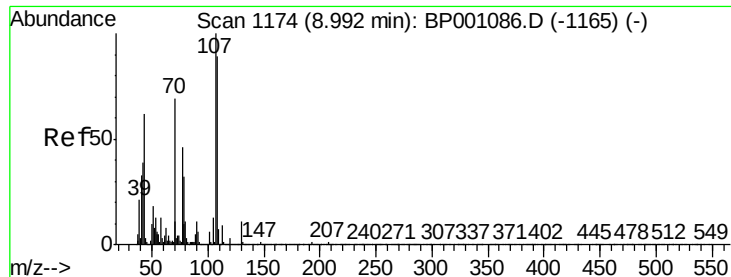
Ion Ratio Lower Upper

94 100

65 37.2 18.6 58.6

66 51.9 37.6 77.6

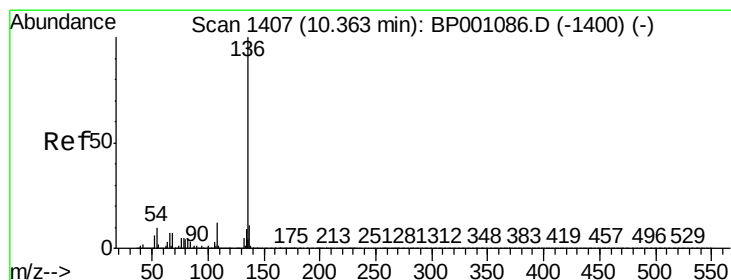
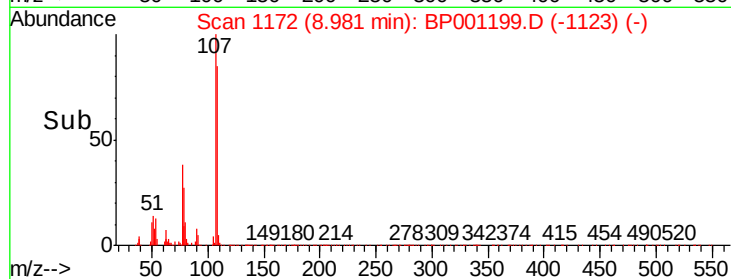
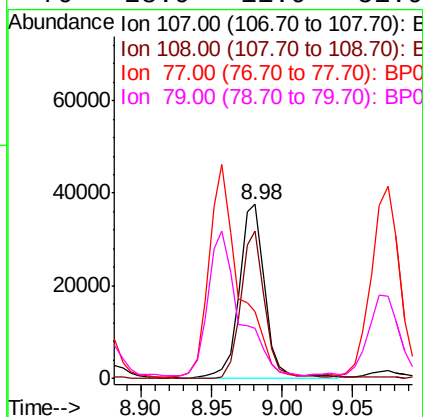
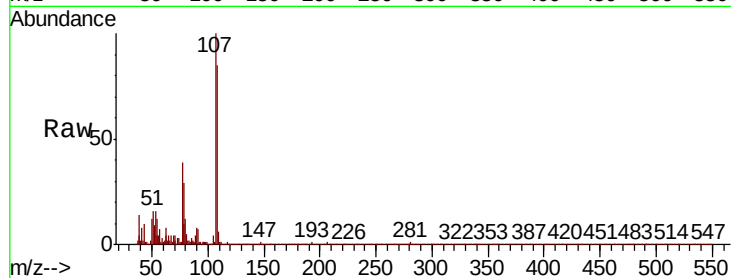




#20  
3+4-Methylphenols  
Concen: 7.021 ng  
RT: 8.98 min Scan# 1172  
Delta R.T. -0.01 min  
Lab File: BP001199.D  
Acq: 04 Dec 2019 14:34

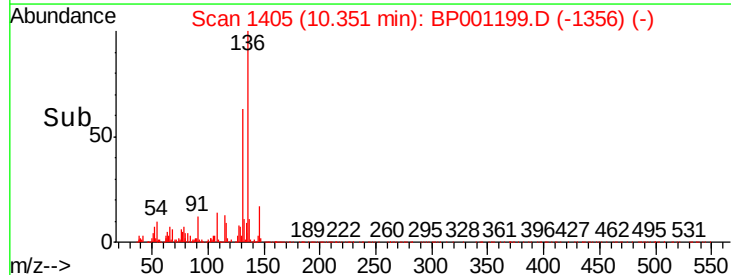
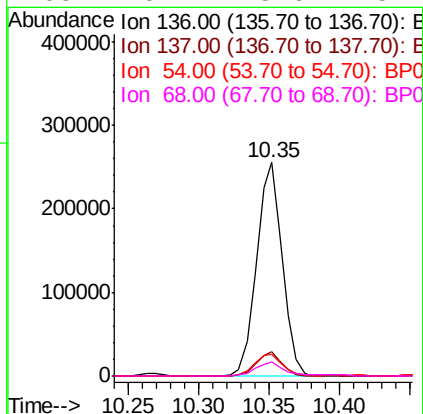
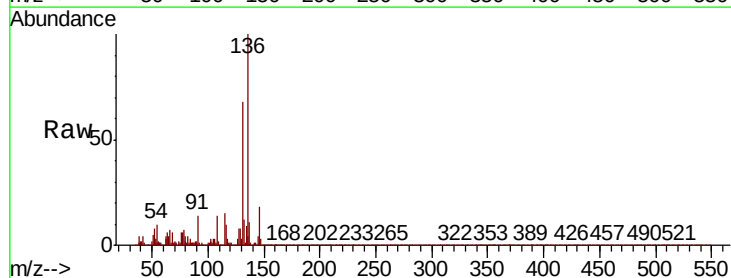
Instrument :  
BNA\_P  
ClientSampleId :  
MW-2

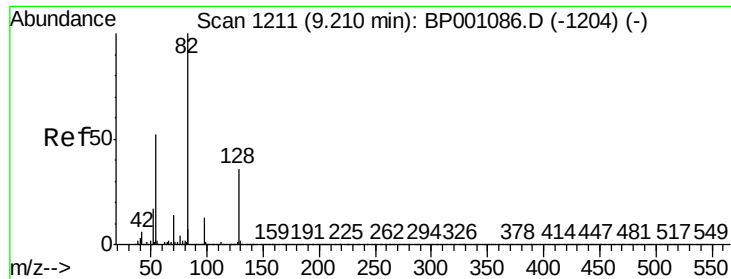
|             |       |            |
|-------------|-------|------------|
| Tot Ion:107 | Resp: | 47145      |
| Ion Ratio   | Lower | Upper      |
| 107         | 100   |            |
| 108         | 84.9  | 68.9 108.9 |
| 77          | 38.6  | 25.9 65.9  |
| 79          | 28.9  | 11.9 51.9  |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.35 min Scan# 1405  
Delta R.T. -0.01 min  
Lab File: BP001199.D  
Acq: 04 Dec 2019 14:34

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:136 | Resp: | 325217   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.2  | 8.8 13.2 |
| 54          | 10.1  | 7.9 11.9 |
| 68          | 6.4   | 5.6 8.4  |

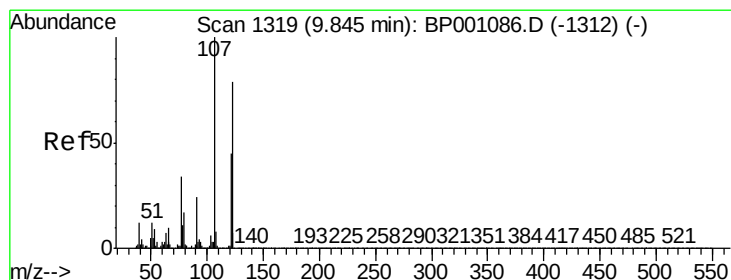
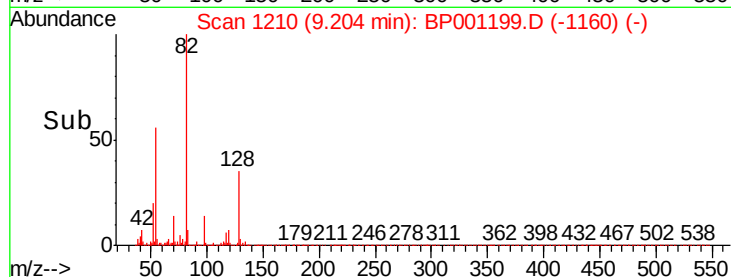
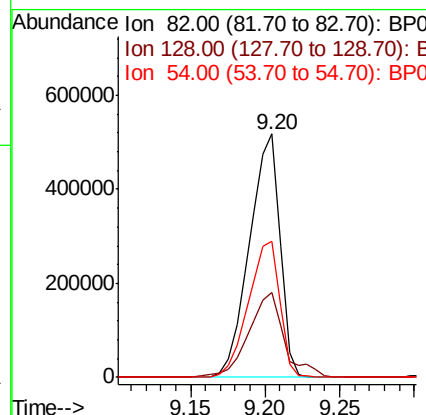
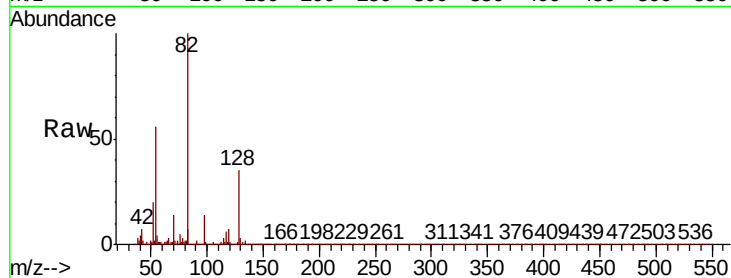




#23  
 Nitrobenzene-d5  
 Concen: 97.296 ng  
 RT: 9.20 min Scan# 1210  
 Delta R.T. -0.01 min  
 Lab File: BP001199.D  
 Acq: 04 Dec 2019 14:34

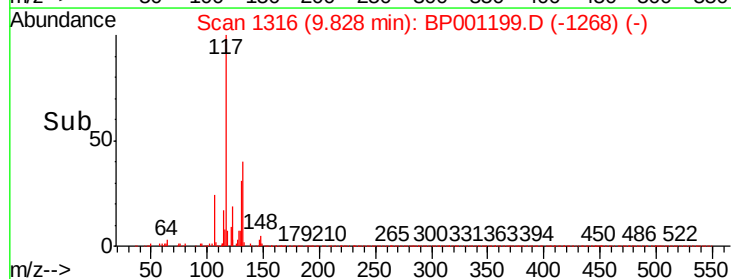
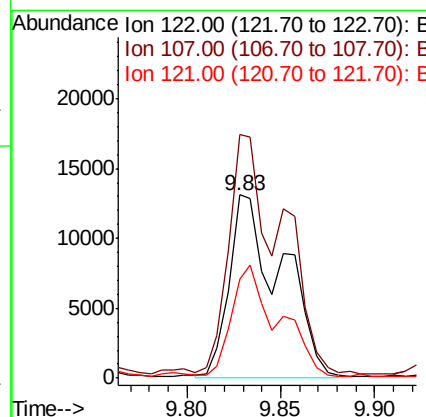
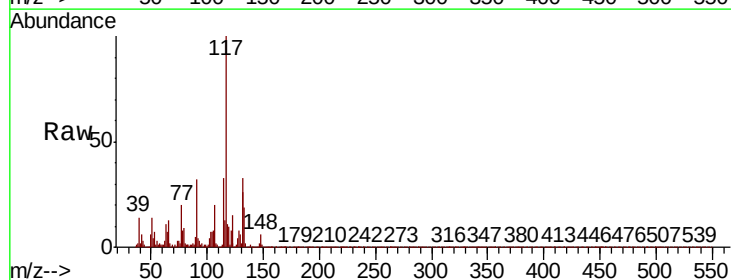
Instrument :  
 BNA\_P  
 ClientSampleId :  
 MW-2

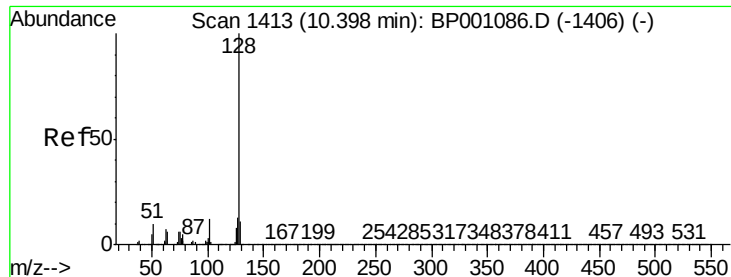
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 34.8  | 28.9  | 43.3  |
| 54      | 56.1  | 41.9  | 62.9  |



#27  
 2,4-Dimethylphenol  
 Concen: 5.930 ng m  
 RT: 9.83 min Scan# 1316  
 Delta R.T. -0.02 min  
 Lab File: BP001199.D  
 Acq: 04 Dec 2019 14:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 132.8 | 101.9 | 152.9 |
| 121     | 54.3  | 46.1  | 69.1  |

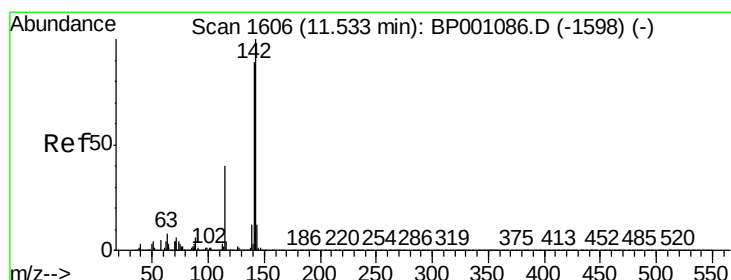
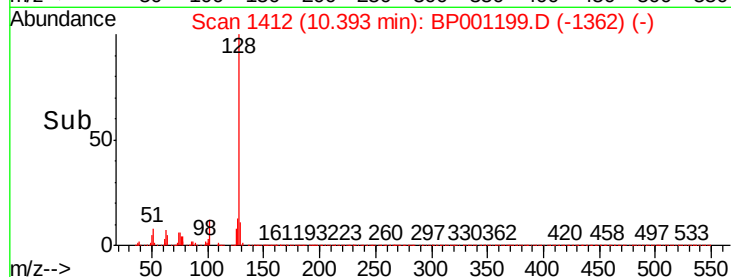
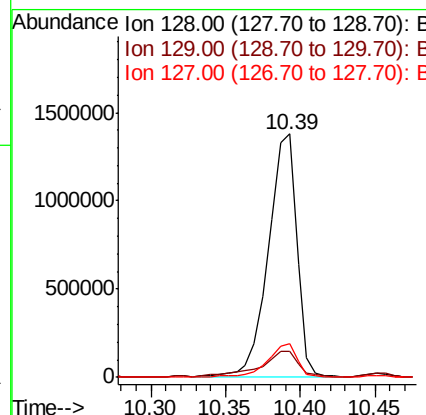
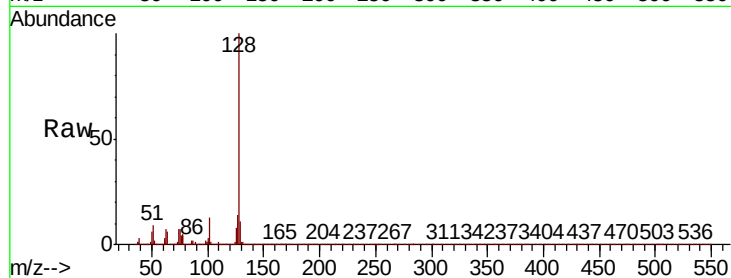




#31  
Naphthalene  
Concen: 109.076 ng  
RT: 10.39 min Scan# 1412  
Delta R.T. -0.01 min  
Lab File: BP001199.D  
Acq: 04 Dec 2019 14:34

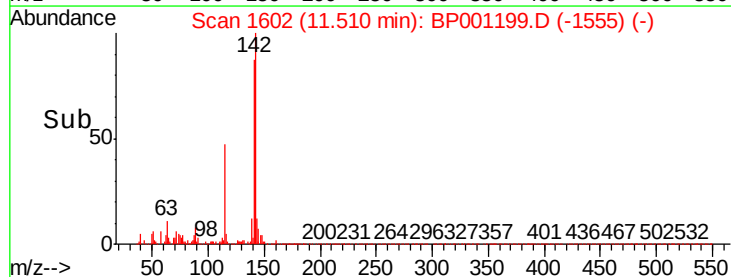
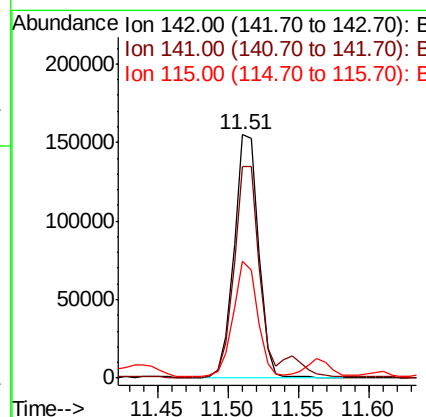
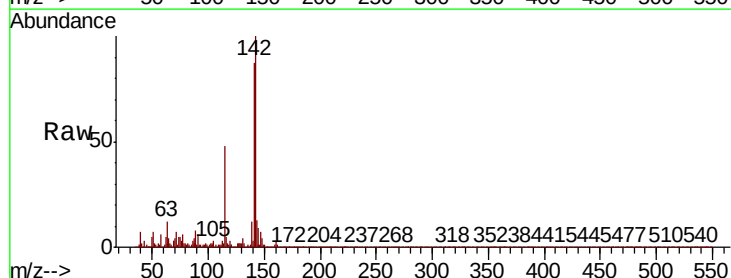
Instrument :  
BNA\_P  
ClientSampleId :  
MW-2

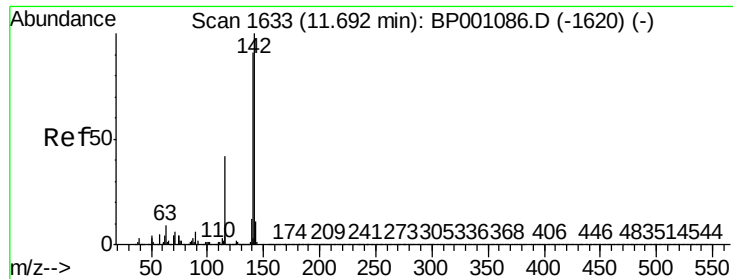
Tot Ion:128 Resp: 1811719  
Ion Ratio Lower Upper  
128 100  
129 10.9 8.8 13.2  
127 13.6 10.6 16.0



#37  
2-Methylnaphthalene  
Concen: 16.479 ng  
RT: 11.51 min Scan# 1602  
Delta R.T. -0.02 min  
Lab File: BP001199.D  
Acq: 04 Dec 2019 14:34

Tgt Ion:142 Resp: 186770  
Ion Ratio Lower Upper  
142 100  
141 86.7 71.1 106.7  
115 48.2 32.3 48.5

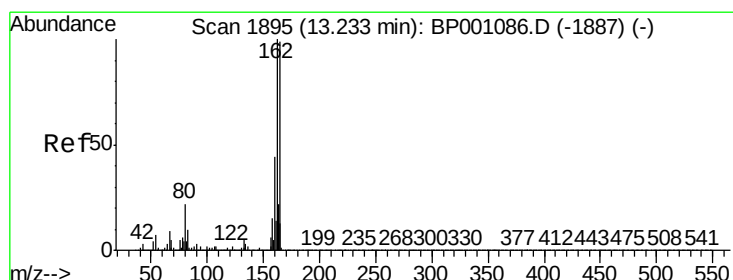
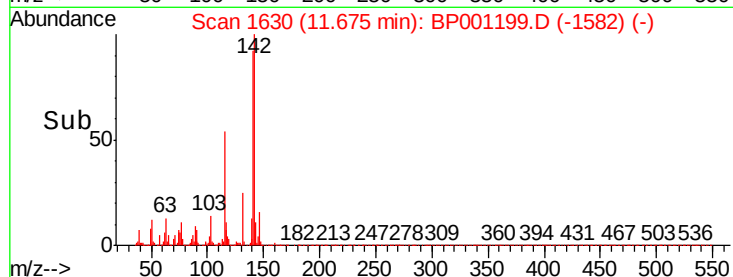
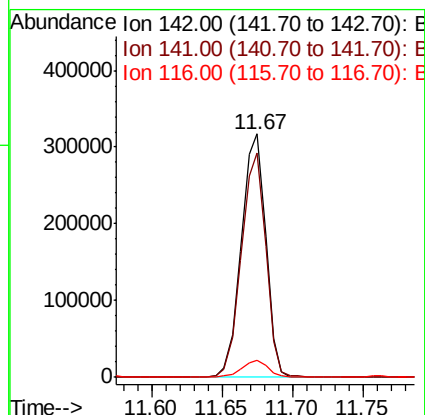
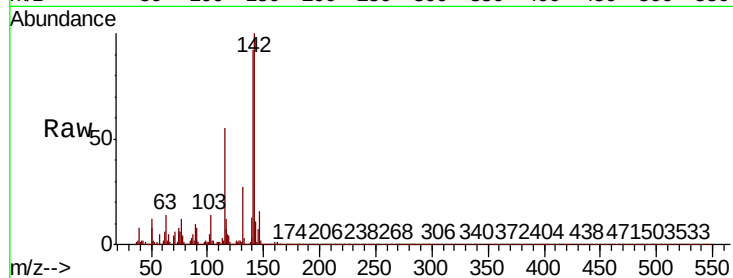




#38  
1-Methylnaphthalene  
Concen: 35.722 ng  
RT: 11.67 min Scan# 1630  
Delta R.T. -0.02 min  
Lab File: BP001199.D  
Acq: 04 Dec 2019 14:34

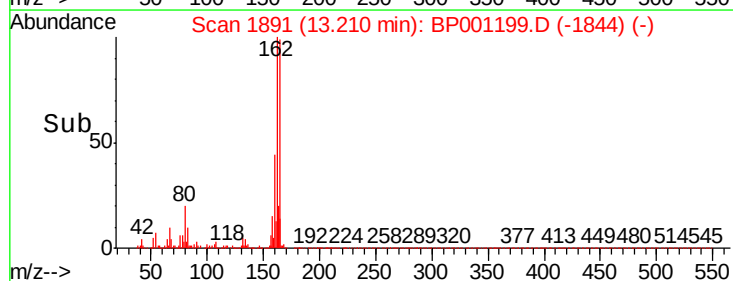
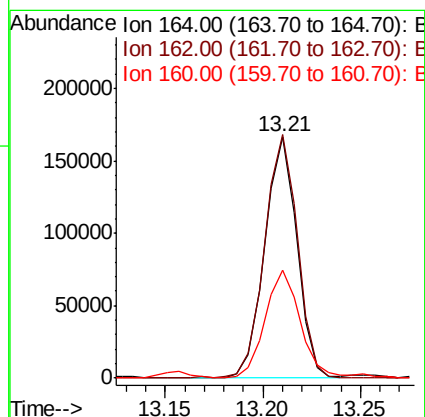
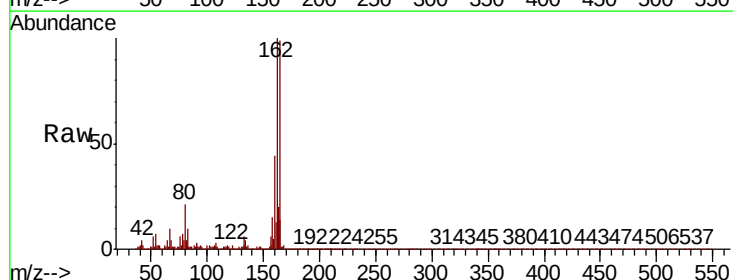
Instrument :  
BNA\_P  
ClientSampleId :  
MW-2

Tot Ion:142 Resp: 382454  
Ion Ratio Lower Upper  
142 100  
141 92.1 73.0 109.4  
116 7.1 3.4 5.2#

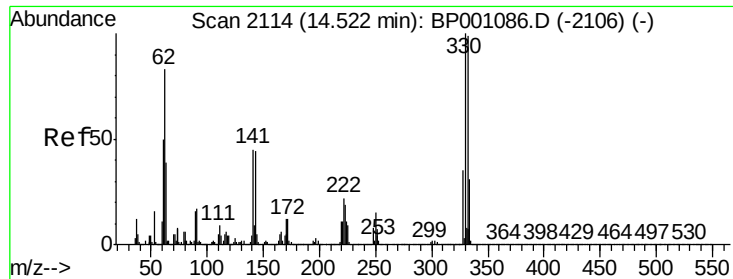


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 13.21 min Scan# 1891  
Delta R.T. -0.02 min  
Lab File: BP001199.D  
Acq: 04 Dec 2019 14:34

Tgt Ion:164 Resp: 189890  
Ion Ratio Lower Upper  
164 100  
162 100.8 80.6 120.8  
160 44.6 35.4 53.2



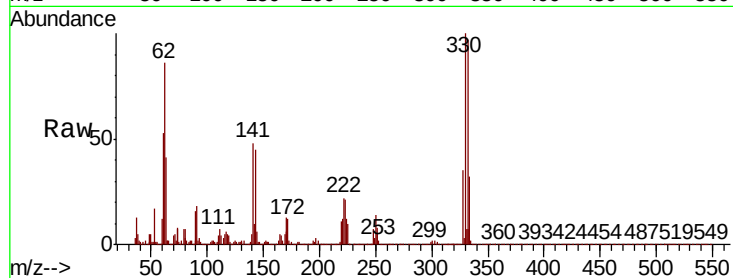




#42  
2,4,6-Tribromophenol  
Concen: 164.407 ng  
RT: 14.50 min Scan# 2111  
Delta R.T. -0.02 min  
Lab File: BP001199.D  
Acq: 04 Dec 2019 14:34

Instrument :  
BNA\_P  
ClientSampleId :  
MW-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.9  | 77.6  | 116.4 |
| 141     | 45.3  | 34.2  | 51.2  |

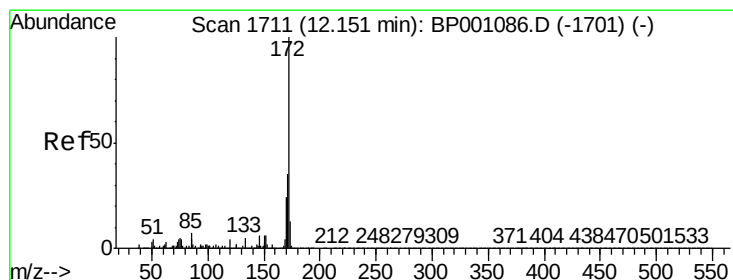
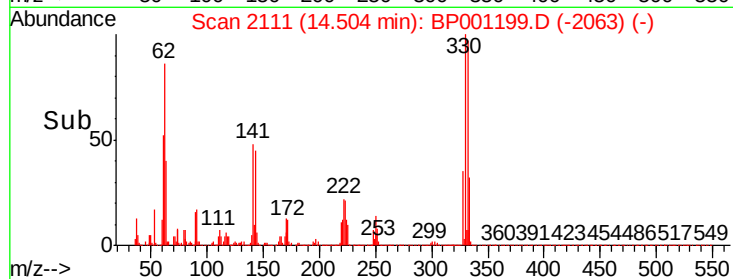
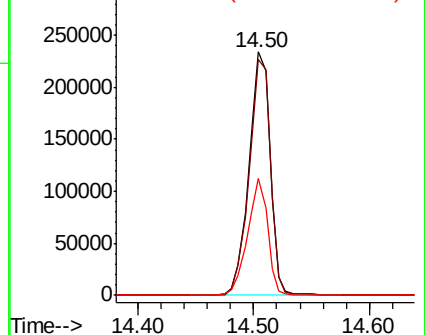


Abundance

Ion 329.80 (329.50 to 330.50): E

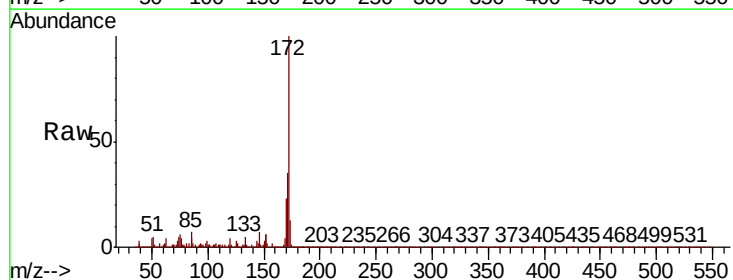
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
2-Fluorobiphenyl  
Concen: 93.151 ng  
RT: 12.13 min Scan# 1707  
Delta R.T. -0.02 min  
Lab File: BP001199.D  
Acq: 04 Dec 2019 14:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.4  | 27.9  | 41.9  |
| 170     | 23.5  | 19.0  | 28.4  |

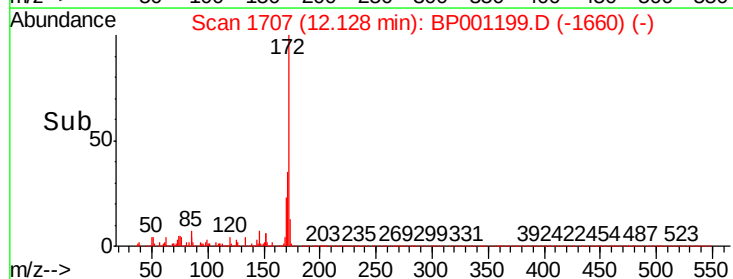
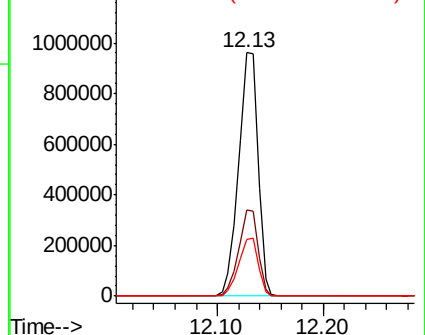


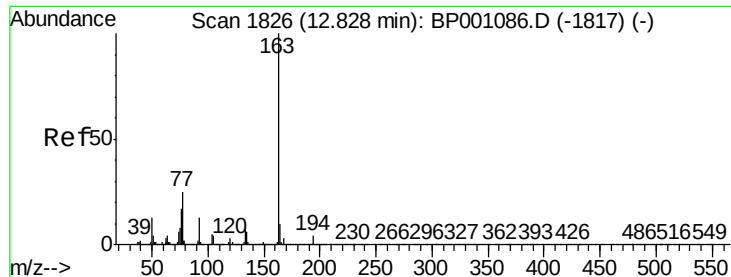
Abundance

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

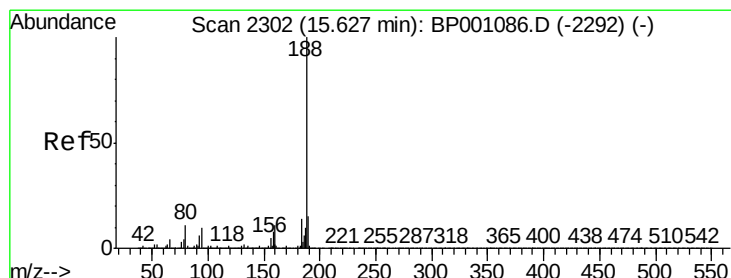
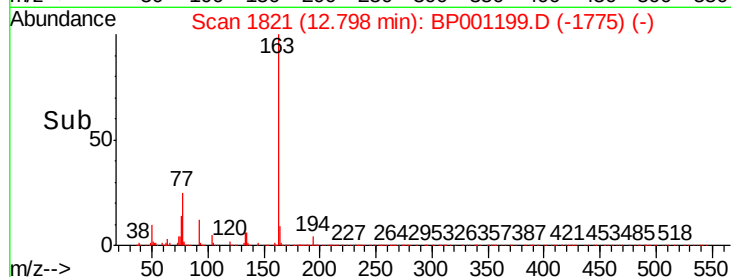
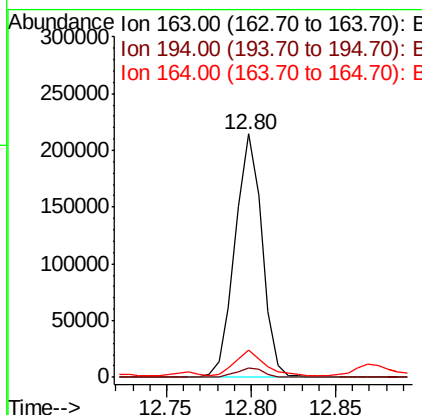
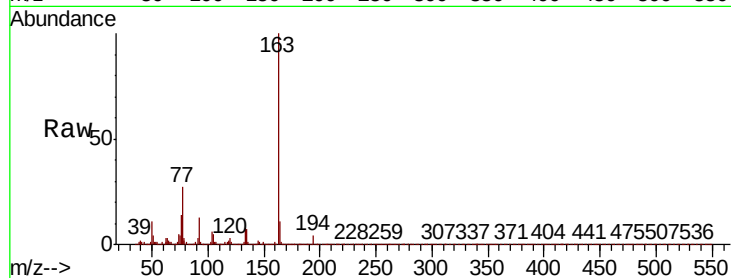




#50  
Dimethylphthalate  
Concen: 16.743 ng  
RT: 12.80 min Scan# 1821  
Delta R.T. -0.03 min  
Lab File: BP001199.D  
Acq: 04 Dec 2019 14:34

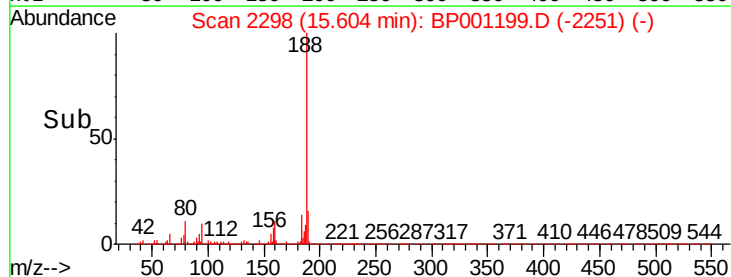
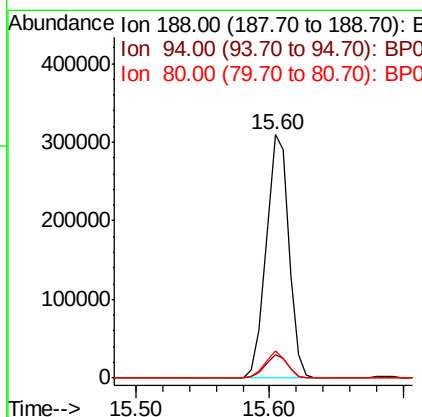
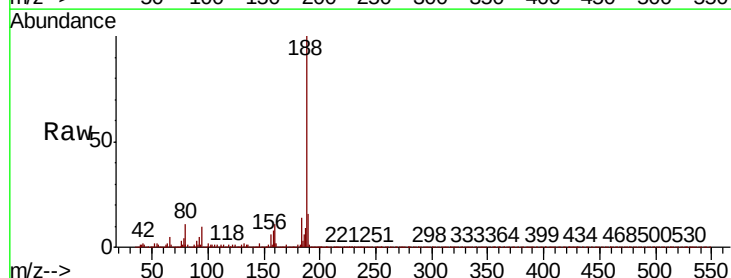
Instrument :  
BNA\_P  
ClientSampleId :  
MW-2

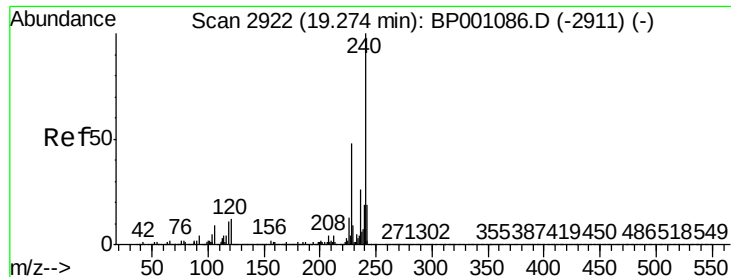
Tot Ion:163 Resp: 237779  
Ion Ratio Lower Upper  
163 100  
194 3.6 3.1 4.7  
164 11.1 8.1 12.1



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 15.60 min Scan# 2298  
Delta R.T. -0.02 min  
Lab File: BP001199.D  
Acq: 04 Dec 2019 14:34

Tgt Ion:188 Resp: 363694  
Ion Ratio Lower Upper  
188 100  
94 9.7 7.9 11.9  
80 11.3 8.8 13.2

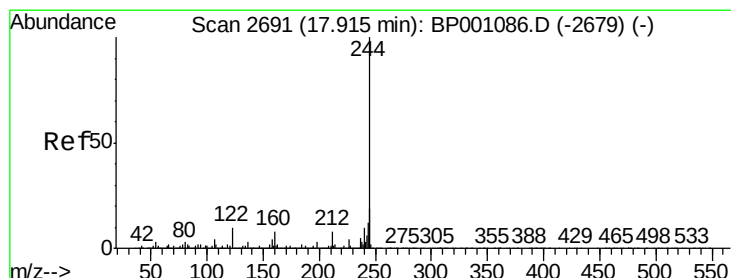
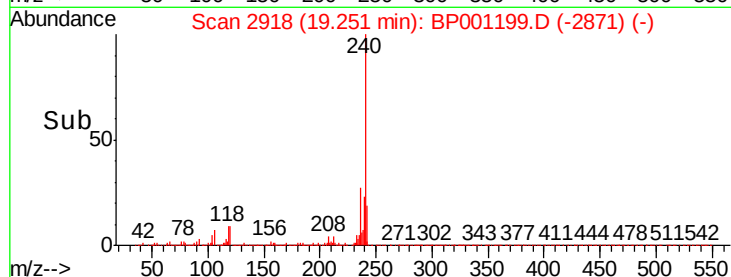
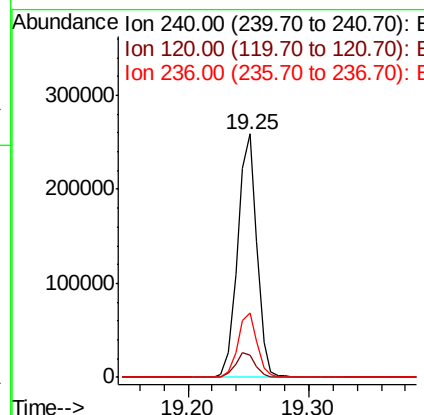
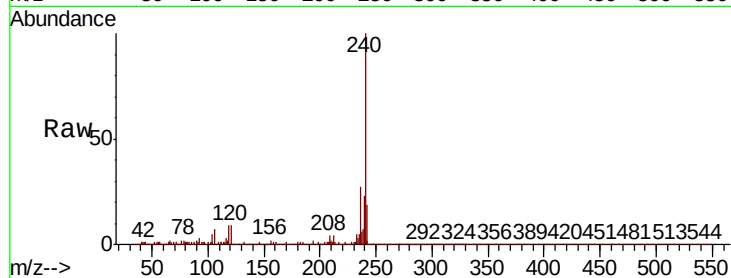




#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 19.25 min Scan# 2918  
 Delta R.T. -0.02 min  
 Lab File: BP001199.D  
 Acq: 04 Dec 2019 14:34

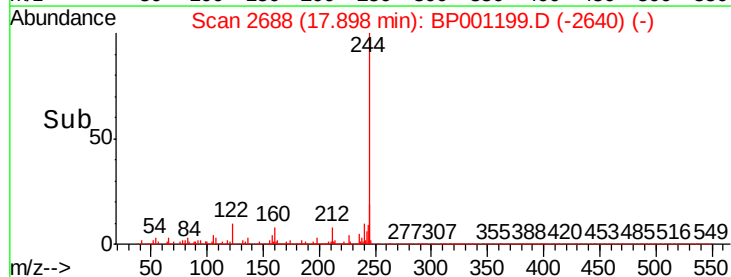
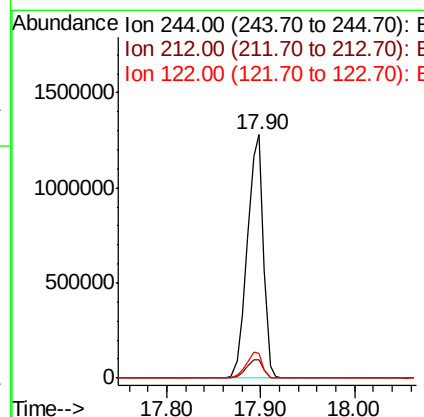
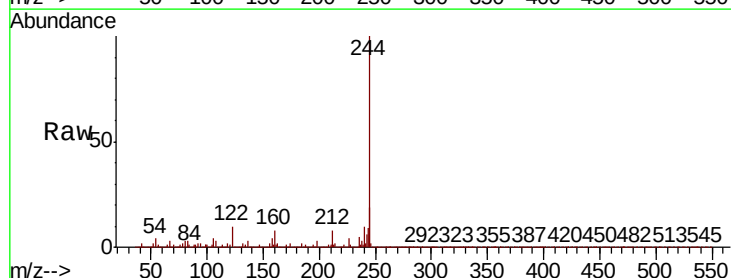
Instrument :  
 BNA\_P  
 ClientSampleId :  
 MW-2

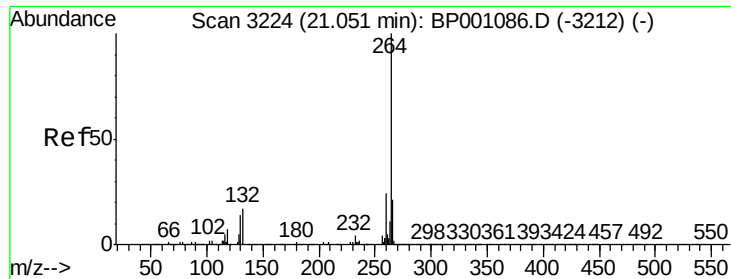
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 9.3   | 9.5   | 14.3# |
| 236     | 26.7  | 20.4  | 30.6  |



#79  
 Terphenyl-d14  
 Concen: 96.911 ng  
 RT: 17.90 min Scan# 2688  
 Delta R.T. -0.02 min  
 Lab File: BP001199.D  
 Acq: 04 Dec 2019 14:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.8   | 6.2   | 9.2   |
| 122     | 10.1  | 8.2   | 12.2  |





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 21.03 min Scan# 3220  
Delta R.T. -0.02 min  
Lab File: BP001199.D  
Acq: 04 Dec 2019 14:34

Instrument :  
BNA\_P  
ClientSampleId :  
MW-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.1  | 18.8  | 28.2  |
| 265     | 20.6  | 16.9  | 25.3  |

