

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\  
 Data File : BP001236.D  
 Acq On : 06 Dec 2019 18:23  
 Operator : JU  
 Sample : K6112-04  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :

Quant Time: Dec 07 00:39:49 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 05 12:34:47 2019  
 Response via : Initial Calibration

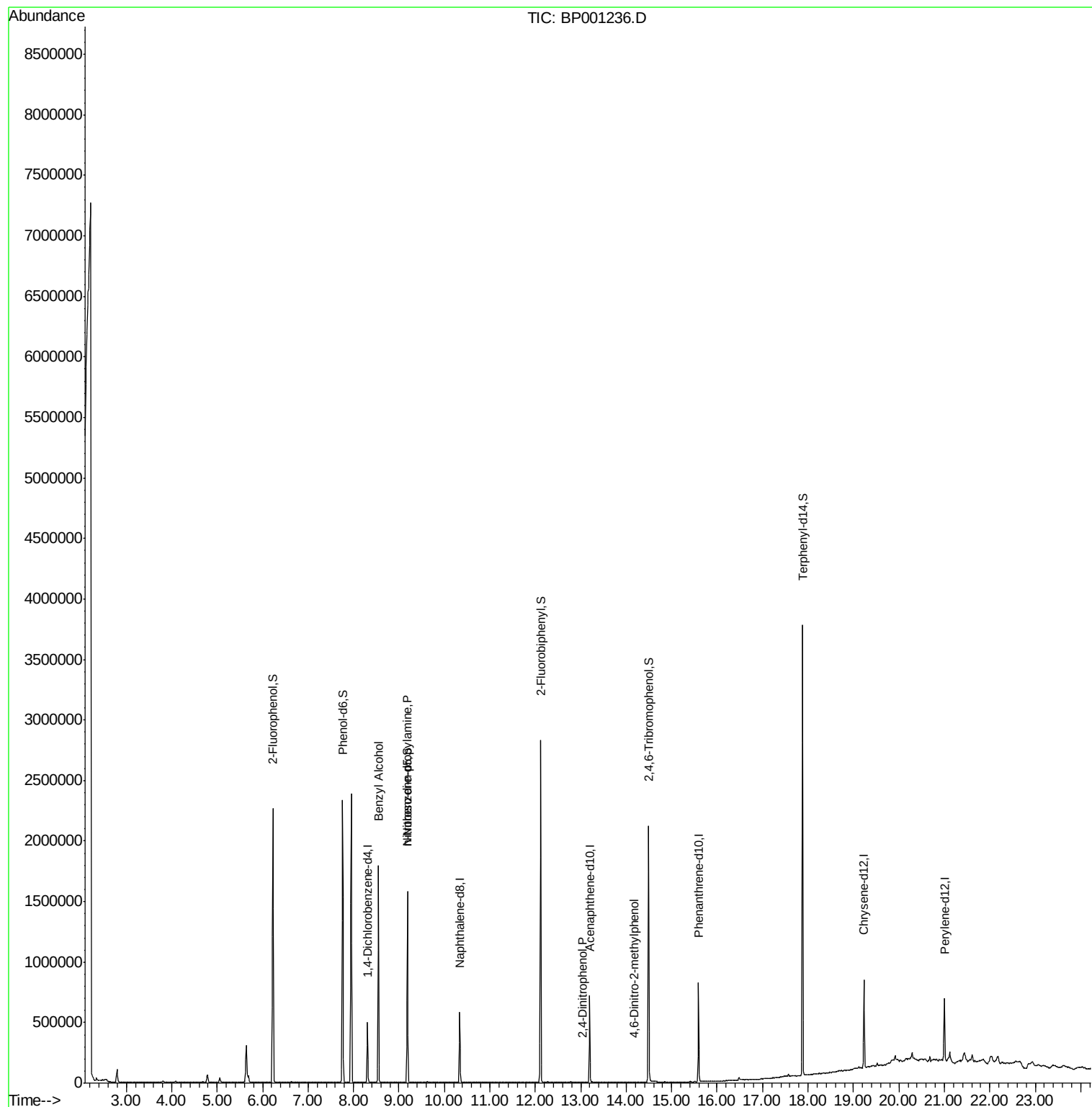
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.30  | 152  | 83004    | 20.00     | ng     | 0.00     |
| 21) Naphthalene-d8             | 10.34 | 136  | 305274   | 20.00     | ng     | -0.01    |
| 39) Acenaphthene-d10           | 13.20 | 164  | 180613   | 20.00     | ng     | -0.01    |
| 64) Phenanthrene-d10           | 15.59 | 188  | 354978   | 20.00     | ng     | -0.02    |
| 76) Chrysene-d12               | 19.23 | 240  | 258995   | 20.00     | ng     | -0.02    |
| 87) Perylene-d12               | 21.00 | 264  | 265645   | 20.00     | ng     | -0.02    |
| System Monitoring Compounds    |       |      |          |           |        |          |
| 5) 2-Fluorophenol              | 6.23  | 112  | 684738   | 136.87    | ng     | 0.02     |
| 7) Phenol-d6                   | 7.76  | 99   | 935783   | 140.40    | ng     | 0.00     |
| 23) Nitrobenzene-d5            | 9.19  | 82   | 665199   | 94.54     | ng     | -0.01    |
| 42) 2,4,6-Tribromophenol       | 14.49 | 330  | 280893   | 162.26    | ng     | -0.01    |
| 45) 2-Fluorobiphenyl           | 12.12 | 172  | 1106757  | 89.68     | ng     | -0.02    |
| 79) Terphenyl-d14              | 17.88 | 244  | 1428162  | 102.02    | ng     | -0.01    |
| Target Compounds               |       |      |          |           |        |          |
| 9) Benzaldehyde                | 7.62  | 77   | 176      | Below Cal | Qvalue | # 67     |
| 15) Benzyl Alcohol             | 8.55  | 79   | 11895    | 2.174 ng  | #      | 51       |
| 19) n-Nitroso-di-n-propylamine | 9.19  | 70   | 95583    | 19.874 ng | #      | 77       |
| 54) 2,4-Dinitrophenol          | 13.05 | 184  | 14       | 7.120 ng  | #      | 91       |
| 65) 4,6-Dinitro-2-methylphenol | 14.17 | 198  | 30       | 6.294 ng  | #      | 58       |

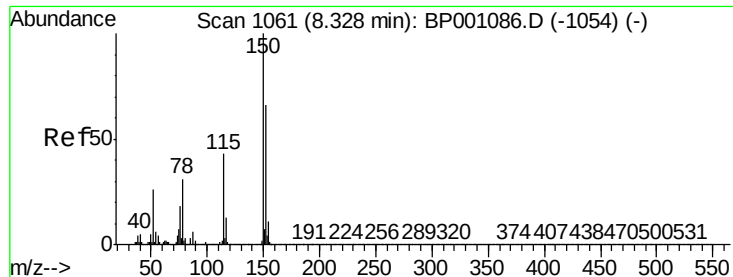
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\  
Data File : BP001236.D  
Acq On : 06 Dec 2019 18:23  
Operator : JU  
Sample : K6112-04  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :

Quant Time: Dec 07 00:39:49 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 05 12:34:47 2019  
Response via : Initial Calibration

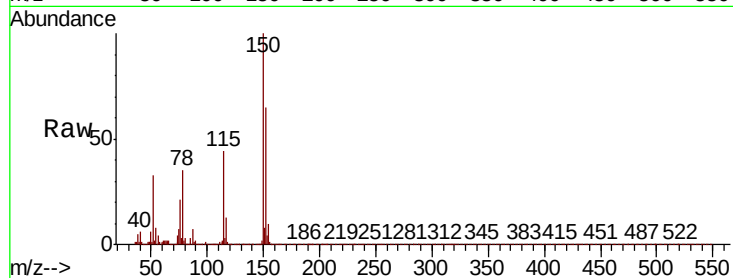




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.30 min Scan# 1057  
 Delta R.T. -0.01 min  
 Lab File: BP001236.D  
 Acq: 06 Dec 2019 18:23

Instrument :  
 BNA\_P  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.6 | 127.3 | 190.9 |
| 115     | 68.1  | 56.0  | 84.0  |

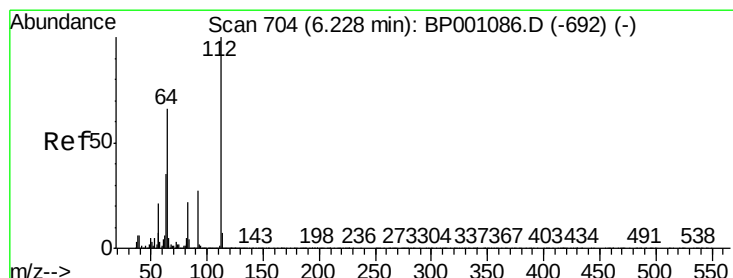
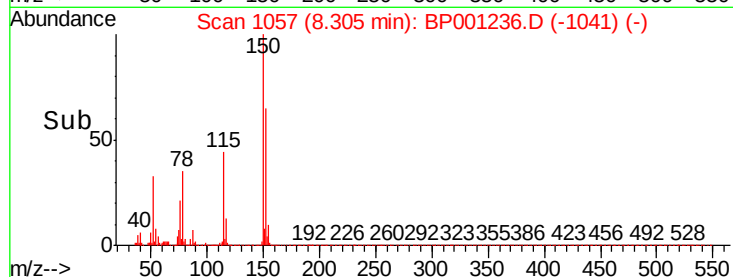
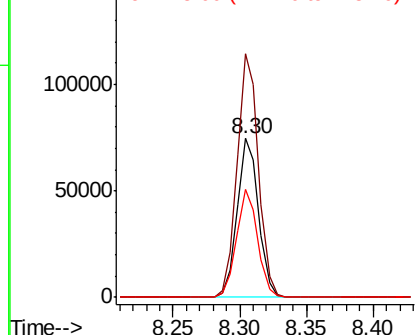


Abundance

Ion 152.00 (151.70 to 152.70): E

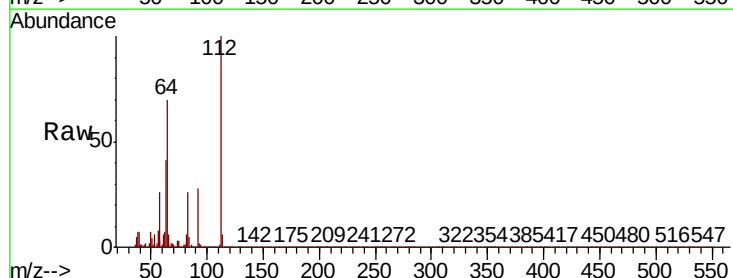
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5  
 2-Fluorophenol  
 Concen: 136.865 ng  
 RT: 6.23 min Scan# 704  
 Delta R.T. 0.02 min  
 Lab File: BP001236.D  
 Acq: 06 Dec 2019 18:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 69.8  | 56.8  | 85.2  |
| 63      | 40.9  | 32.2  | 48.2  |

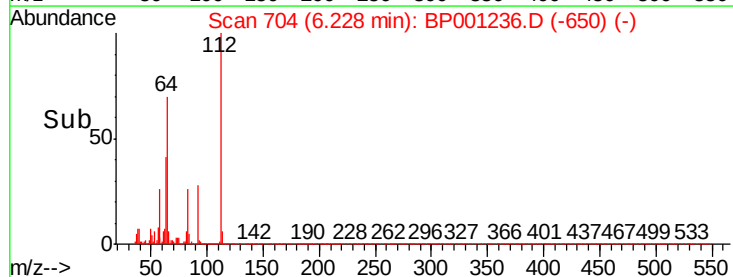
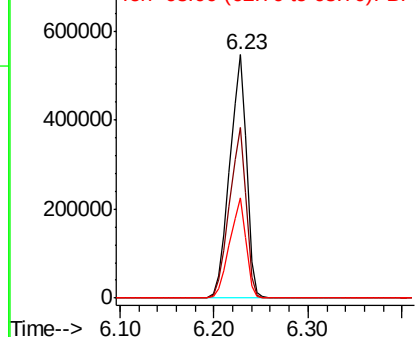


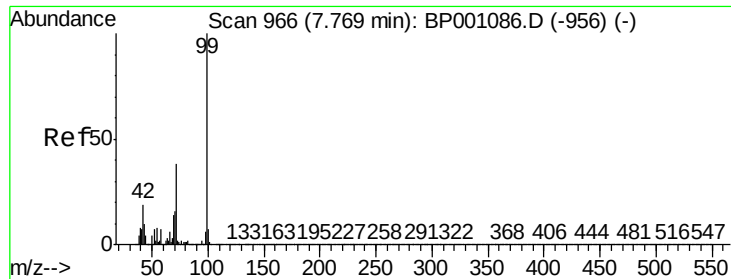
Abundance

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: 140.397 ng

RT: 7.76 min Scan# 965

Delta R.T. 0.00 min

Lab File: BP001236.D

Acq: 06 Dec 2019 18:23

Instrument :

BNA\_P

ClientSampled :

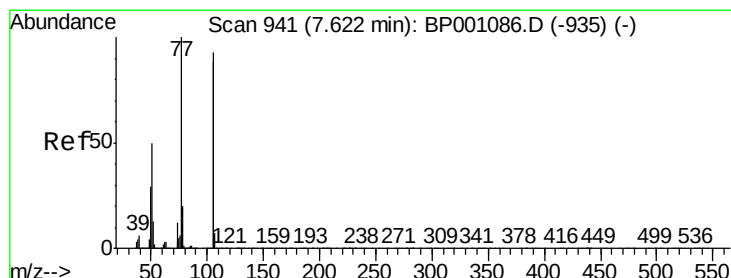
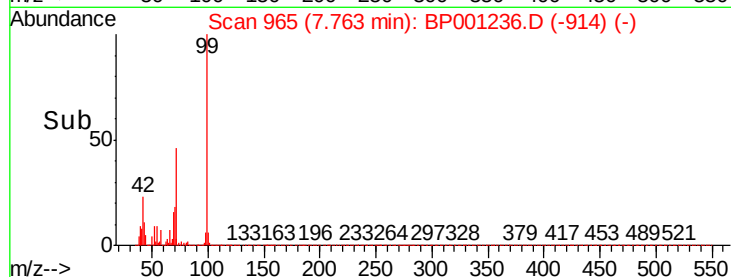
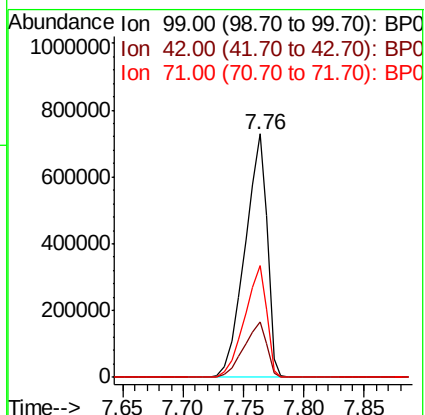
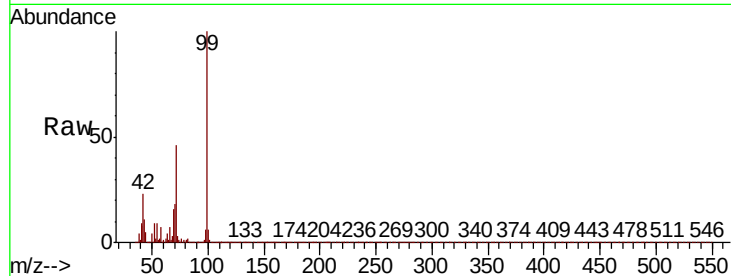
Tot Ion: 99 Resp: 935783

Ion Ratio Lower Upper

99 100

42 22.7 17.6 26.4

71 45.8 33.8 50.8



#9

Benzaldehyde

Concen: Below Cal

RT: 7.62 min Scan# 941

Delta R.T. 0.01 min

Lab File: BP001236.D

Acq: 06 Dec 2019 18:23

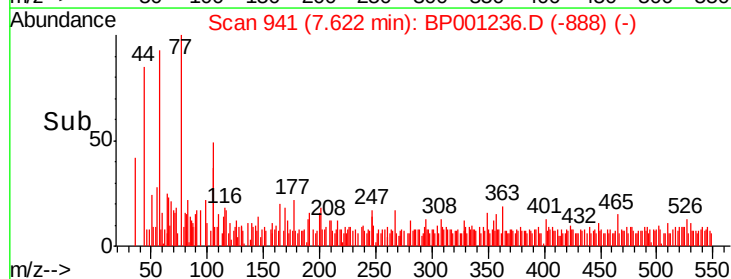
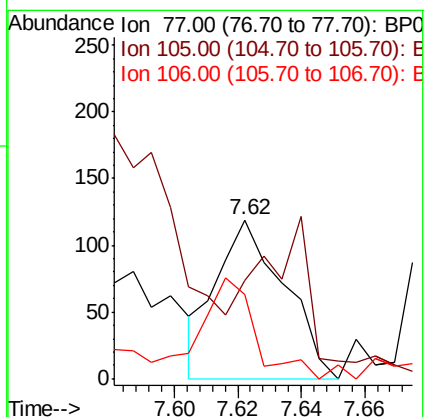
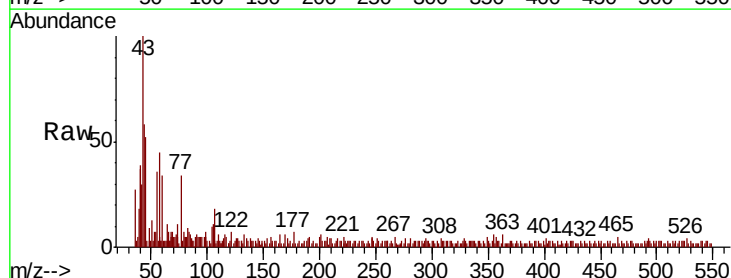
Tgt Ion: 77 Resp: 176

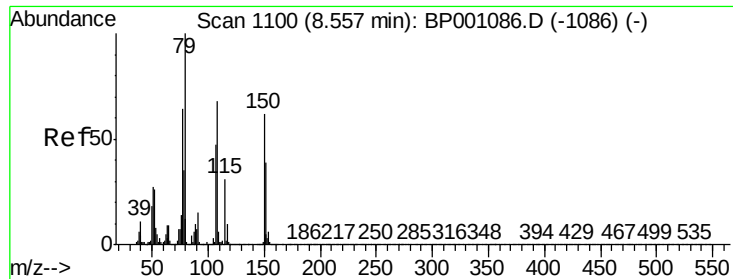
Ion Ratio Lower Upper

77 100

105 62.2 69.7 109.7#

106 52.9 67.1 107.1#

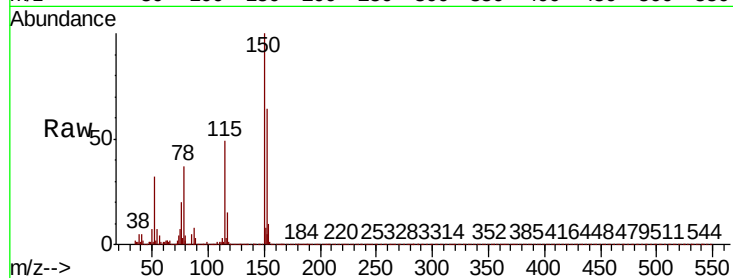




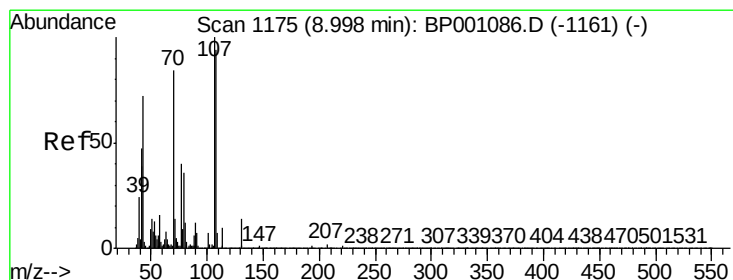
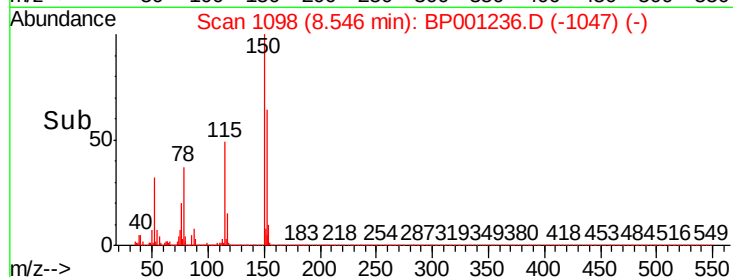
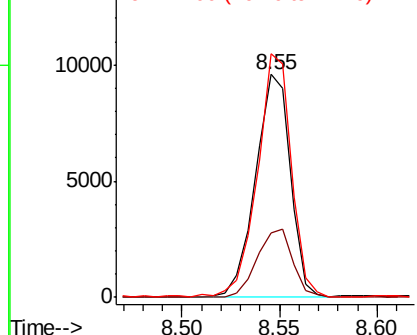
#15  
Benzyl Alcohol  
Concen: 2.174 ng  
RT: 8.55 min Scan# 1098  
Delta R.T. 0.00 min  
Lab File: BP001236.D  
Acq: 06 Dec 2019 18:23

Instrument :  
BNA\_P  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 28.8  | 51.6  | 77.4# |
| 77      | 109.2 | 53.5  | 80.3# |

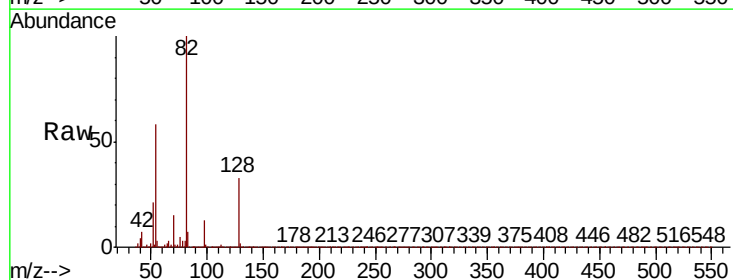


Abundance Ion 79.00 (78.70 to 79.70): BP0  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BP0

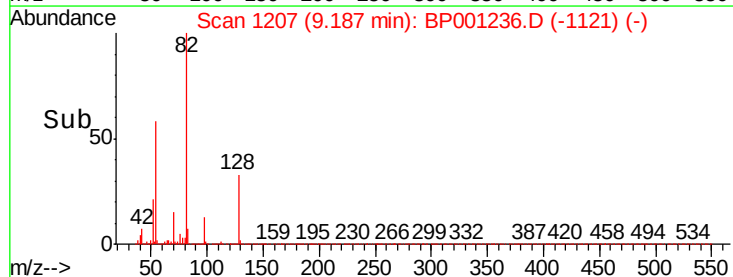
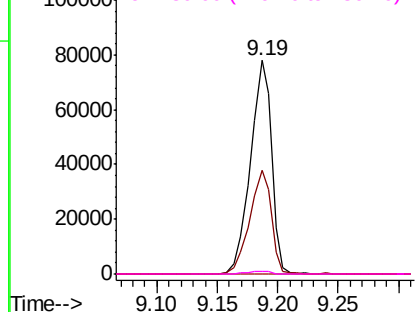


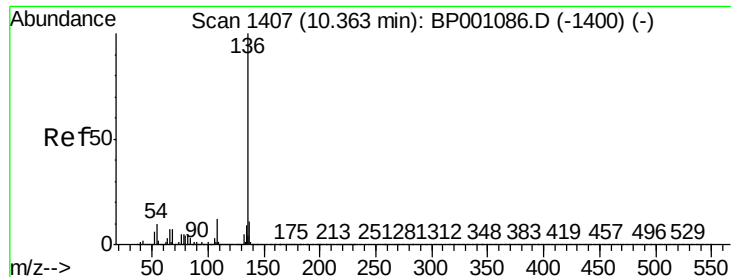
#19  
n-Nitroso-di-n-propylamine  
Concen: 19.874 ng  
RT: 9.19 min Scan# 1207  
Delta R.T. 0.21 min  
Lab File: BP001236.D  
Acq: 06 Dec 2019 18:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 48.3  | 50.6  | 76.0# |
| 101     | 0.0   | 7.1   | 10.7# |
| 130     | 1.2   | 13.6  | 20.4# |



Abundance Ion 70.00 (69.70 to 70.70): BP0  
Ion 42.00 (41.70 to 42.70): BP0  
Ion 101.00 (100.70 to 101.70): E  
Ion 130.00 (129.70 to 130.70): E

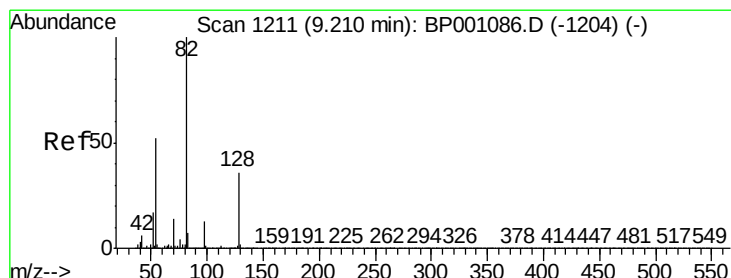
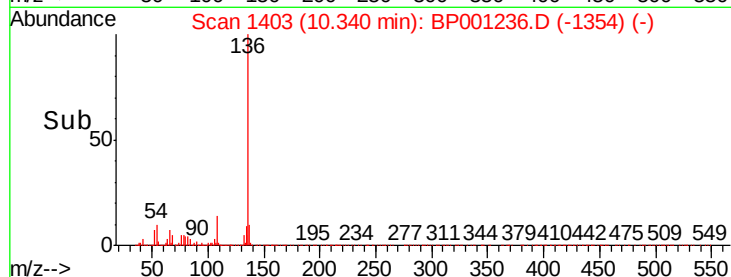
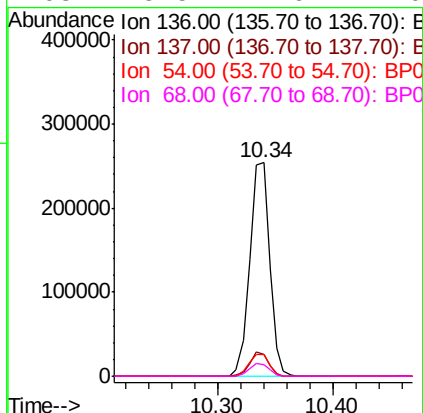
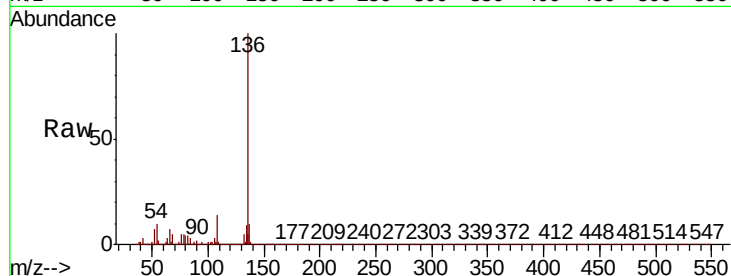




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.34 min Scan# 1403  
Delta R.T. -0.01 min  
Lab File: BP001236.D  
Acq: 06 Dec 2019 18:23

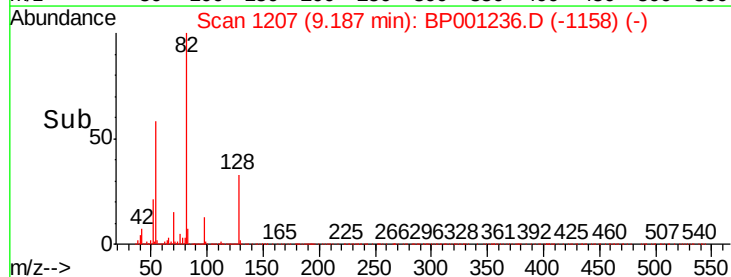
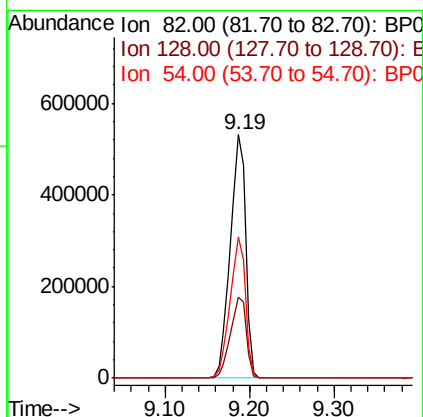
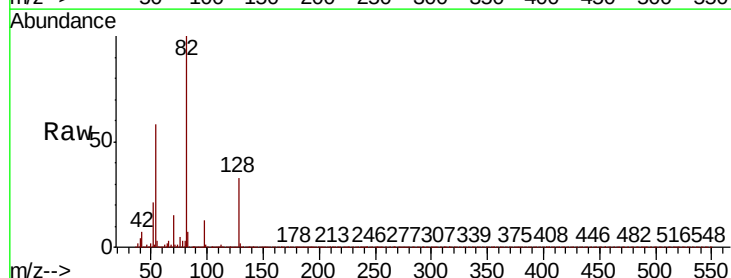
Instrument :  
BNA\_P  
ClientSampleId :

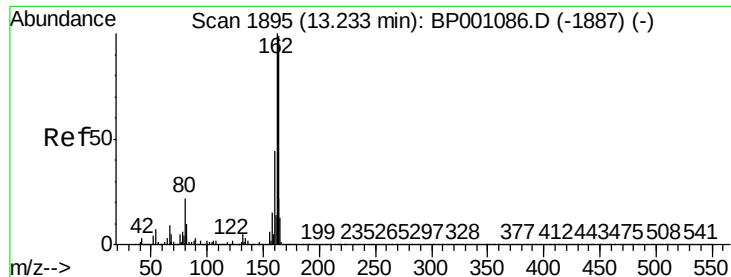
|             |       |        |  |
|-------------|-------|--------|--|
| Tot Ion:136 | Resp: | 305274 |  |
| Ion Ratio   | Lower | Upper  |  |
| 136 100     |       |        |  |
| 137 10.4    | 8.4   | 12.6   |  |
| 54 10.0     | 7.4   | 11.0   |  |
| 68 5.5      | 4.6   | 7.0    |  |



#23  
Nitrobenzene-d5  
Concen: 94.539 ng  
RT: 9.19 min Scan# 1207  
Delta R.T. -0.01 min  
Lab File: BP001236.D  
Acq: 06 Dec 2019 18:23

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion: 82 | Resp: | 665199 |
| Ion | Ratio   | Lower | Upper  |
| 82  | 100     |       |        |
| 128 | 33.2    | 27.5  | 41.3   |
| 54  | 57.9    | 45.7  | 68.5   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.20 min Scan# 1889

Delta R.T. -0.01 min

Lab File: BP001236.D

Acq: 06 Dec 2019 18:23

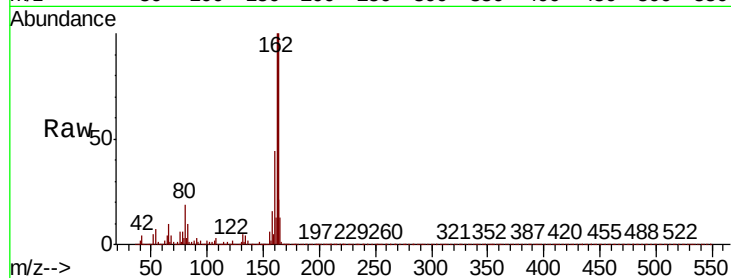
Instrument :

BNA\_P

ClientSampleId :

Tot Ion:164 Resp: 180613

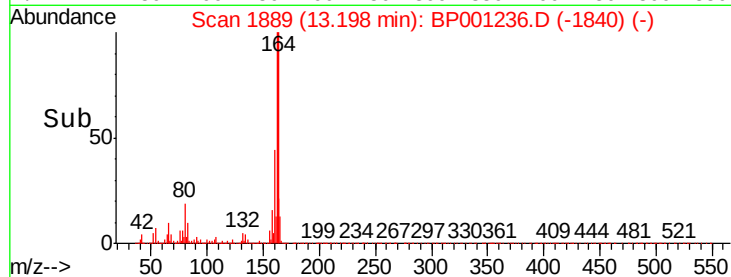
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 99.7  | 80.7  | 121.1 |
| 160 | 44.3  | 36.3  | 54.5  |



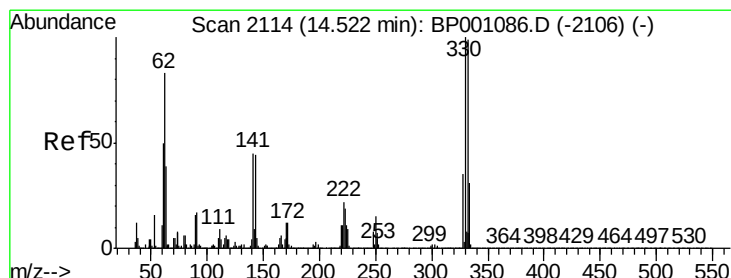
Abundance Ion 164.00 (163.70 to 164.70): E

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: 162.256 ng

RT: 14.49 min Scan# 2109

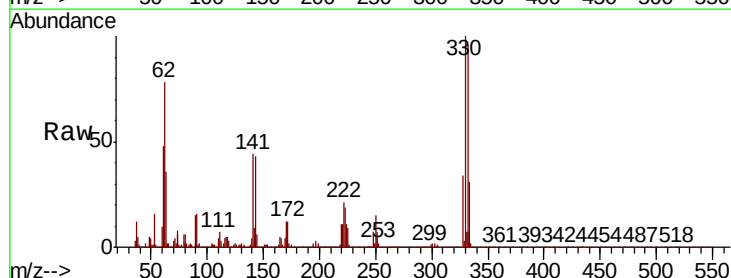
Delta R.T. -0.01 min

Lab File: BP001236.D

Acq: 06 Dec 2019 18:23

Tgt Ion:330 Resp: 280893

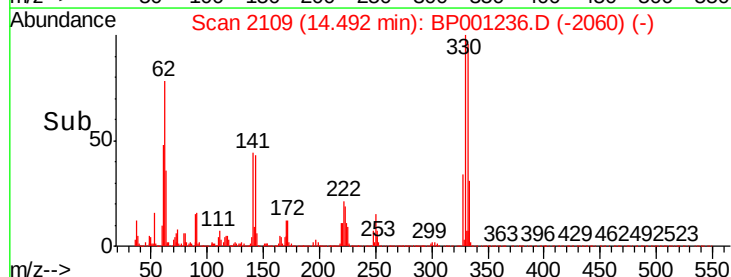
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 97.0  | 79.1  | 118.7 |
| 141 | 45.4  | 35.9  | 53.9  |



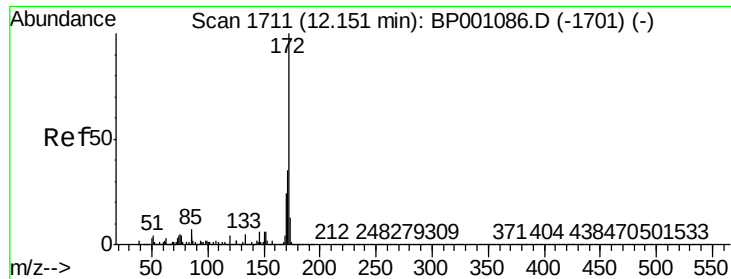
Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



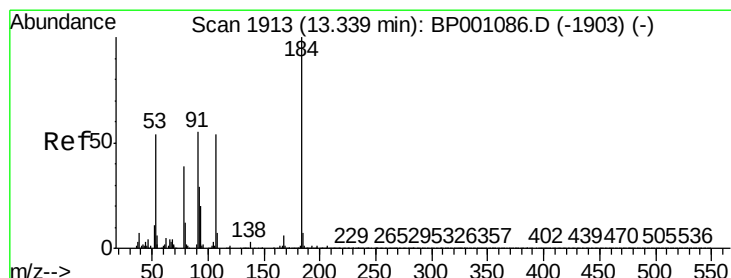
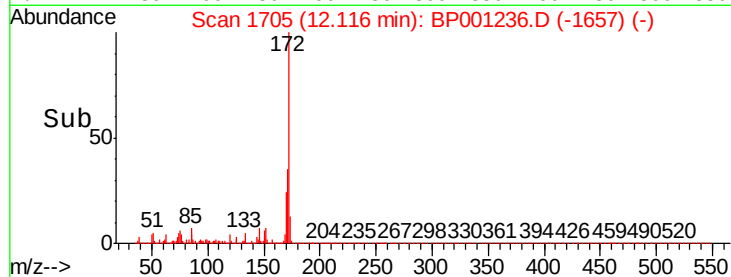
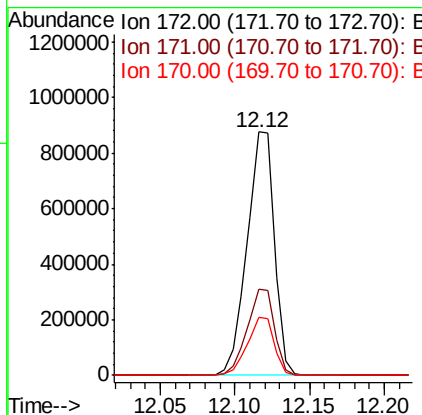
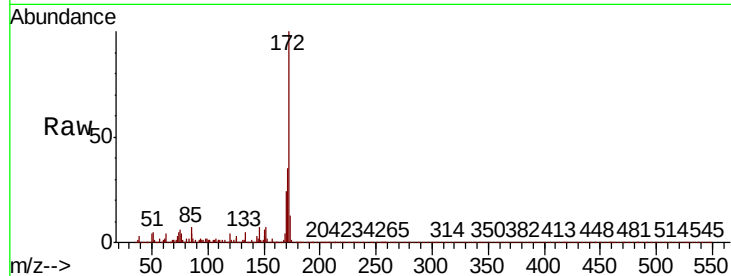
Time-->



#45  
2-Fluorobiphenyl  
Concen: 89.685 ng  
RT: 12.12 min Scan# 1705  
Delta R.T. -0.02 min  
Lab File: BP001236.D  
Acq: 06 Dec 2019 18:23

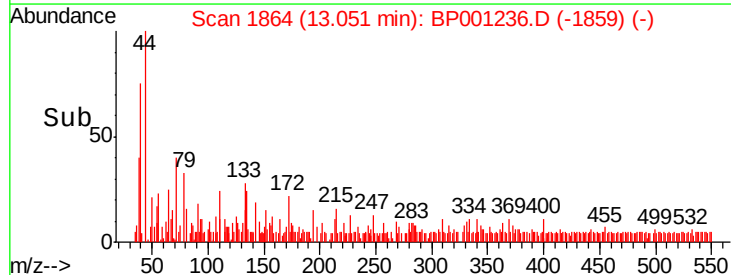
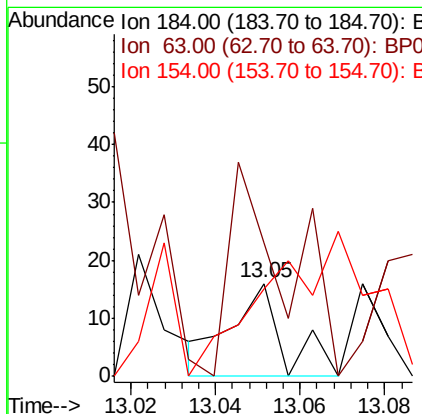
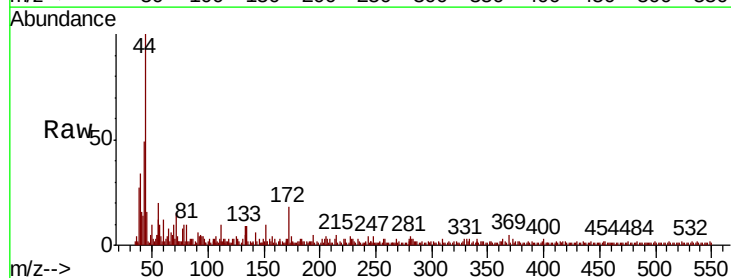
Instrument :  
BNA\_P  
ClientSampleID :

Tot Ion:172 Resp: 1106757  
Ion Ratio Lower Upper  
172 100  
171 35.3 28.7 43.1  
170 24.1 19.2 28.8

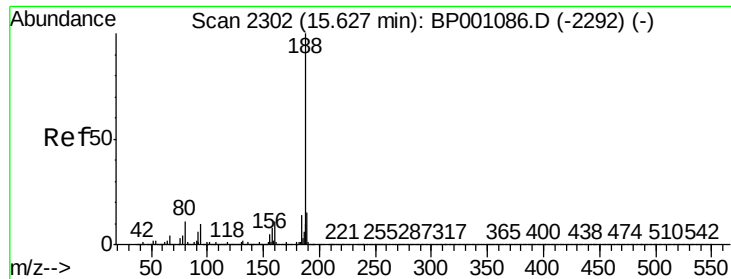


#54  
2,4-Dinitrophenol  
Concen: 7.120 ng  
RT: 13.05 min Scan# 1864  
Delta R.T. -0.27 min  
Lab File: BP001236.D  
Acq: 06 Dec 2019 18:23

Tgt Ion:184 Resp: 14  
Ion Ratio Lower Upper  
184 100  
63 88.5 69.4 104.0  
154 57.7 57.4 86.2



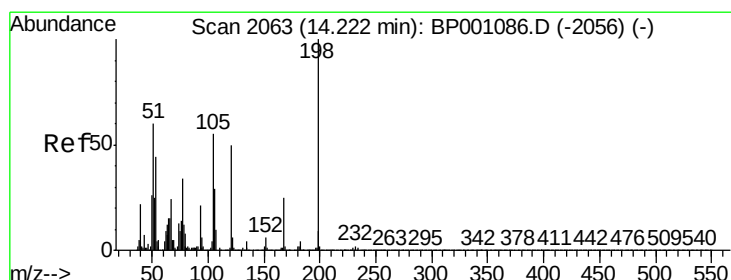
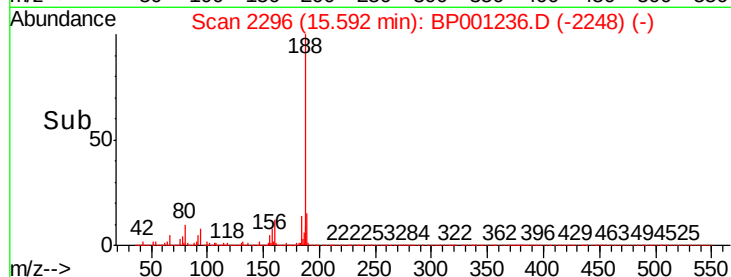
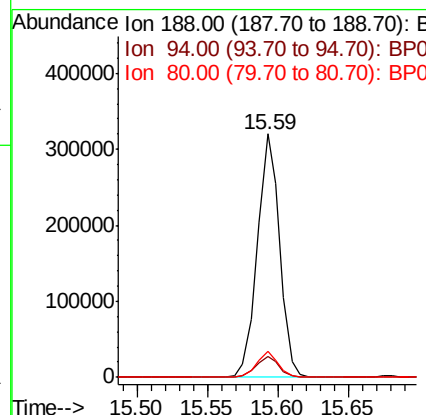
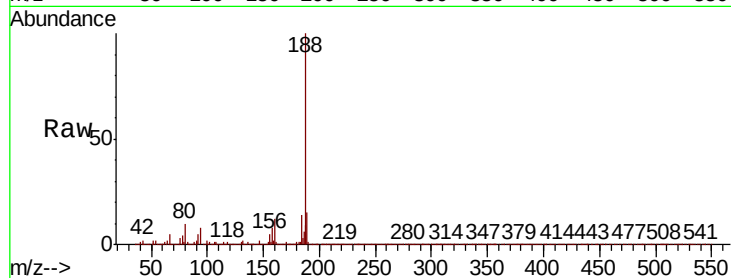




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 15.59 min Scan# 2296  
Delta R.T. -0.02 min  
Lab File: BP001236.D  
Acq: 06 Dec 2019 18:23

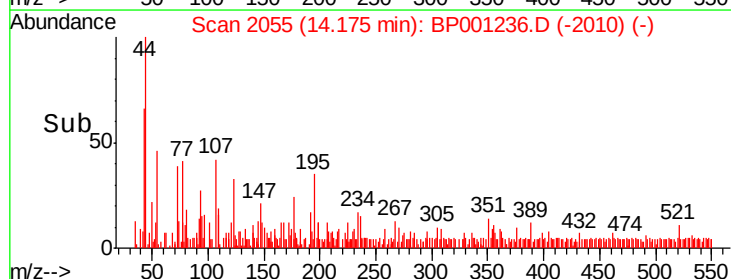
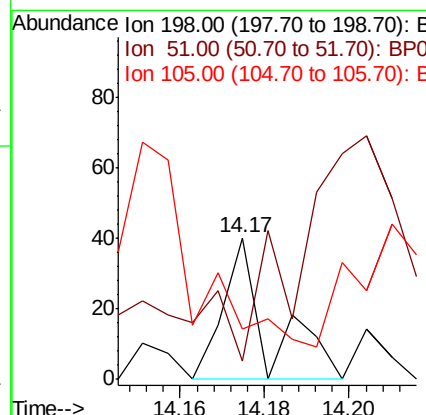
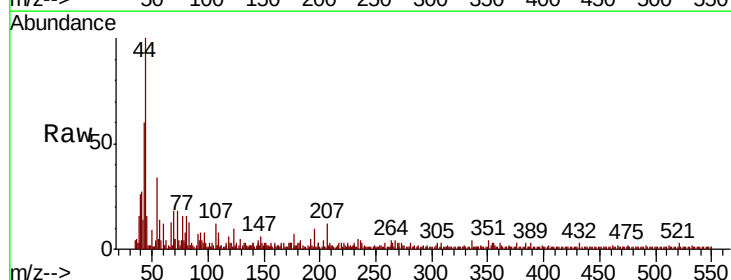
Instrument :  
BNA\_P  
ClientSampleId :

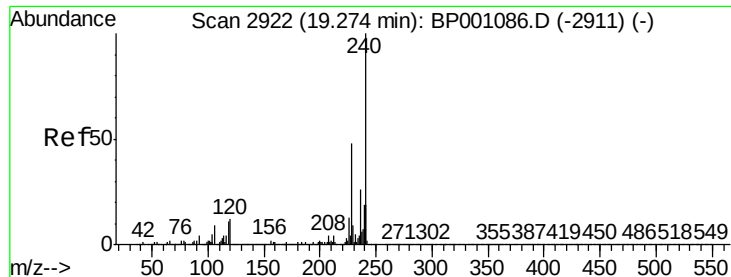
Tot Ion:188 Resp: 354978  
Ion Ratio Lower Upper  
188 100  
94 8.4 7.1 10.7  
80 10.4 7.8 11.6



#65  
4,6-Dinitro-2-methylphenol  
Concen: 6.294 ng  
RT: 14.17 min Scan# 2055  
Delta R.T. -0.04 min  
Lab File: BP001236.D  
Acq: 06 Dec 2019 18:23

Tgt Ion:198 Resp: 30  
Ion Ratio Lower Upper  
198 100  
51 12.5 36.2 76.2#  
105 35.0 30.2 70.2

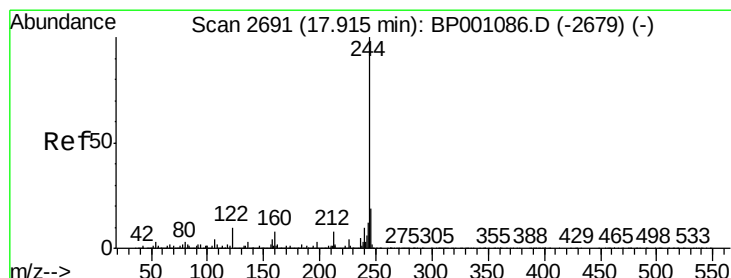
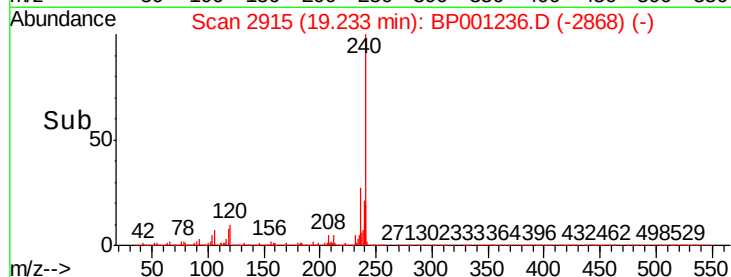
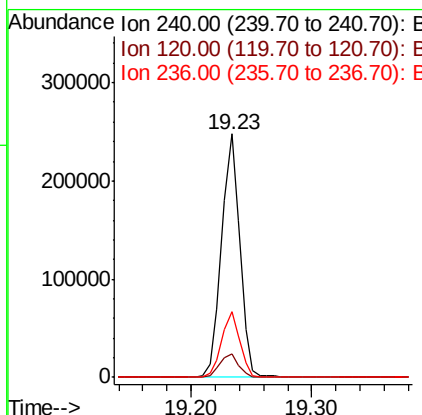
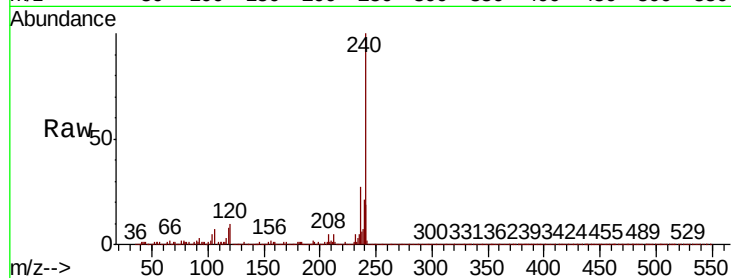




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 19.23 min Scan# 2915  
Delta R.T. -0.02 min  
Lab File: BP001236.D  
Acq: 06 Dec 2019 18:23

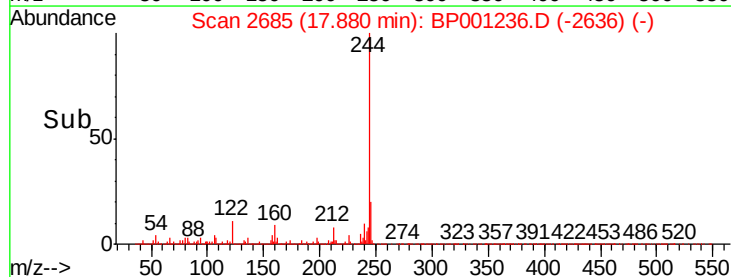
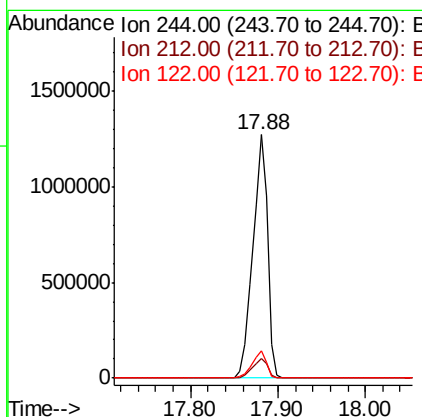
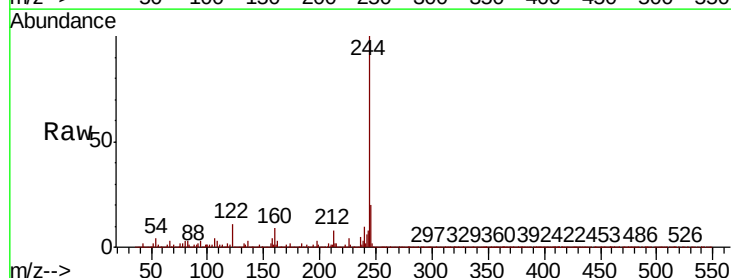
Instrument :  
BNA\_P  
ClientSampleId :

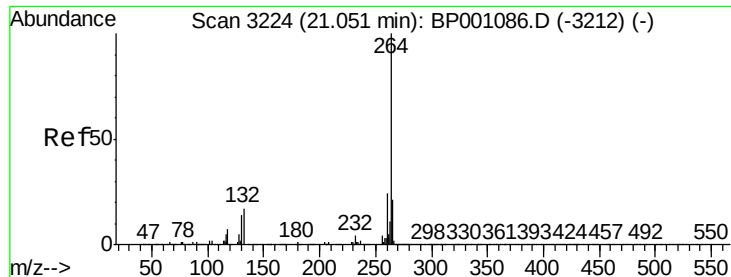
Tot Ion:240 Resp: 258995  
Ion Ratio Lower Upper  
240 100  
120 9.8 7.0 10.6  
236 26.8 21.7 32.5



#79  
Terphenyl-d14  
Concen: 102.019 ng  
RT: 17.88 min Scan# 2685  
Delta R.T. -0.01 min  
Lab File: BP001236.D  
Acq: 06 Dec 2019 18:23

Tgt Ion:244 Resp: 1428162  
Ion Ratio Lower Upper  
244 100  
212 8.2 6.6 9.8  
122 11.1 9.2 13.8





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 21.00 min Scan# 3216  
Delta R.T. -0.02 min  
Lab File: BP001236.D  
Acq: 06 Dec 2019 18:23

Instrument :  
BNA\_P  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.3  | 19.4  | 29.0  |
| 265     | 22.4  | 17.1  | 25.7  |

