

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061920\  
 Data File : BP002459.D  
 Acq On : 19 Jun 2020 15:27  
 Operator : CG/JU  
 Sample : L3055-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 CENTER

Manual Integrations  
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Quant Time: Jun 20 03:44:34 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 05 15:08:53 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.59  | 152  | 150148   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.36 | 136  | 543163   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.23 | 164  | 293755   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 16.99 | 188  | 578655   | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12            | 21.09 | 240  | 597622   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12            | 23.29 | 264  | 725079   | 20.00 | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.20  | 112  | 211416   | 26.05 | ng    | 0.00     |
| 7) Phenol-d6                | 6.78  | 99   | 557638   | 51.62 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.73  | 82   | 661679   | 72.75 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 15.73 | 330  | 41227    | 14.66 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 12.85 | 172  | 1232537  | 70.55 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.58 | 244  | 1627011  | 62.69 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 37) 2-Methylnaphthalene     | 12.03 | 142  | 36796    | 2.054 | ng    | 97       |
| 38) 1-Methylnaphthalene     | 12.25 | 142  | 35050m   | 2.085 | ng    |          |
| 50) Dimethylphthalate       | 13.69 | 163  | 105640   | 5.248 | ng    | # 97     |
| 71) Phenanthrene            | 17.03 | 178  | 97777    | 3.612 | ng    | 98       |
| 75) Fluoranthene            | 19.02 | 202  | 127331   | 3.941 | ng    | 96       |
| 78) Pyrene                  | 19.36 | 202  | 114376   | 3.124 | ng    | 99       |

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

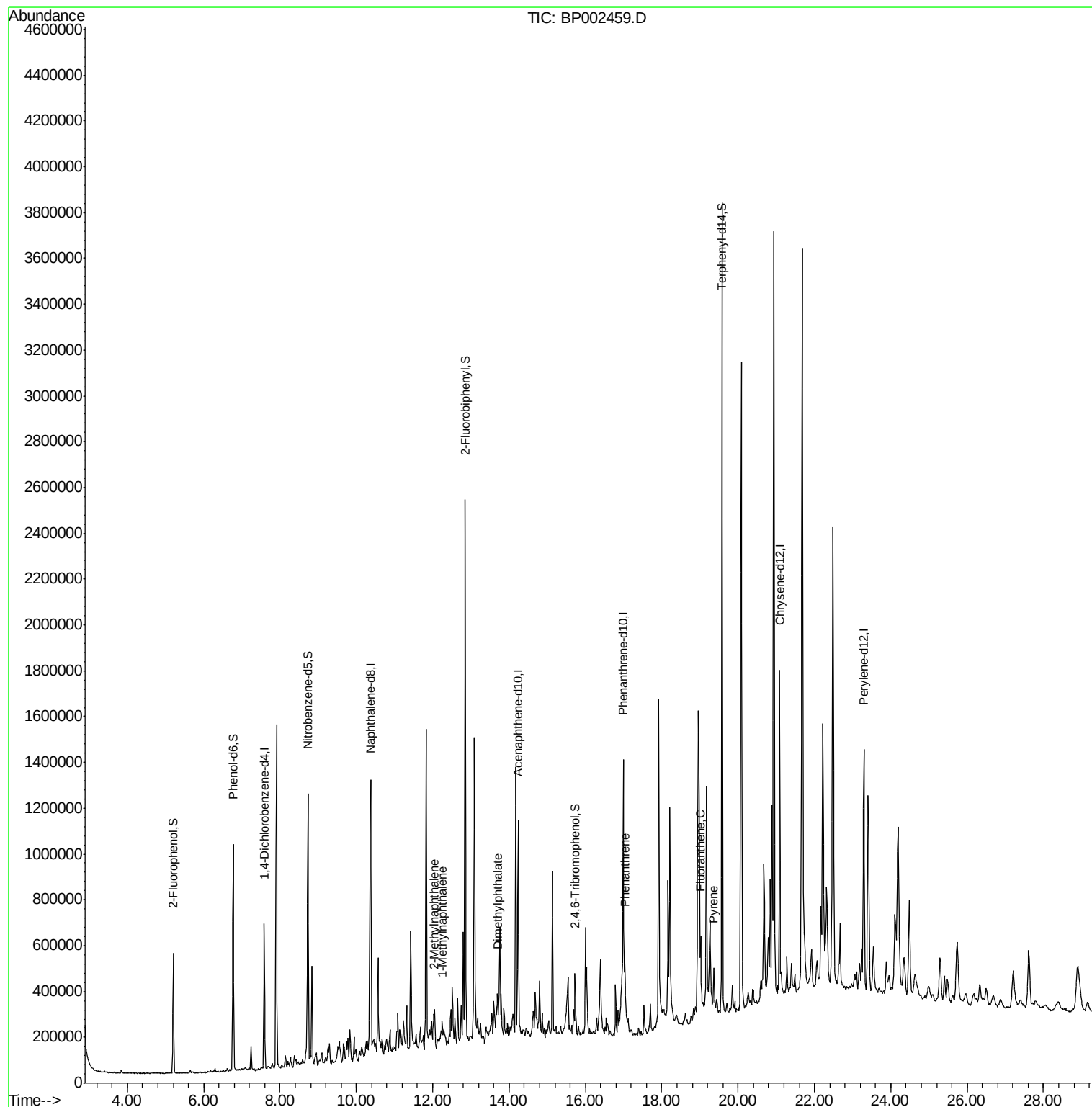
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061920\  
Data File : BP002459.D  
Acq On : 19 Jun 2020 15:27  
Operator : CG/JU  
Sample : L3055-02  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

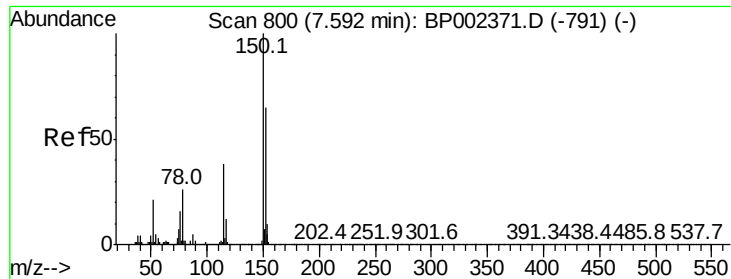
Instrument :  
BNA\_P  
ClientSampleId :  
CENTER

Quant Time: Jun 20 03:44:34 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 05 15:08:53 2020  
Response via : Initial Calibration

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#1

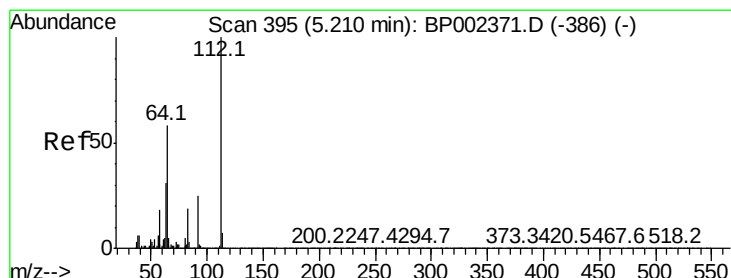
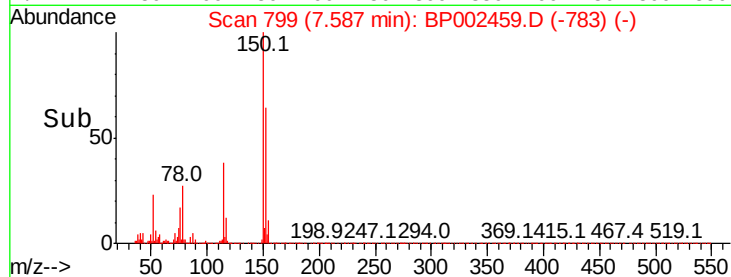
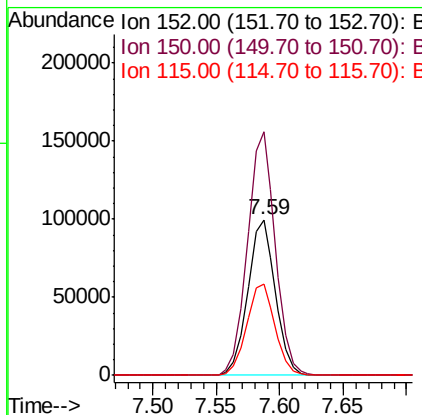
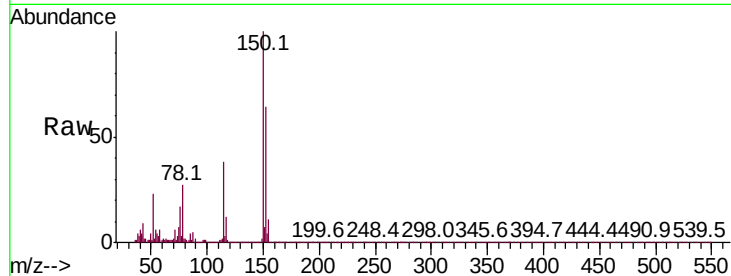
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.59 min Scan# 799  
Delta R.T. -0.01 min  
Lab File: BP002459.D  
Acq: 19 Jun 2020 15:27

Instrument :  
BNA\_P  
ClientSampleId :  
CENTER

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.2 | 124.0 | 186.0 |
| 115     | 58.9  | 47.4  | 71.0  |

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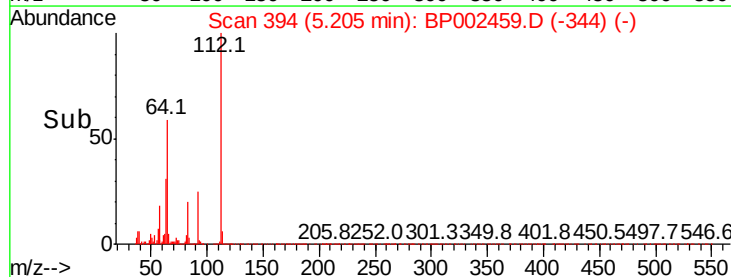
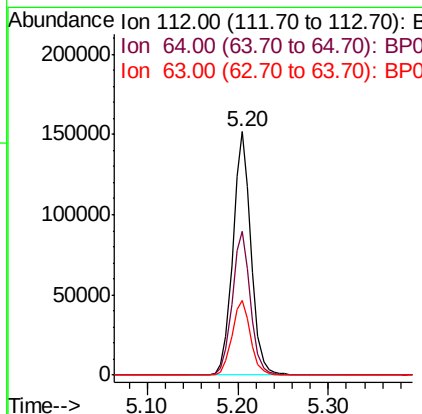
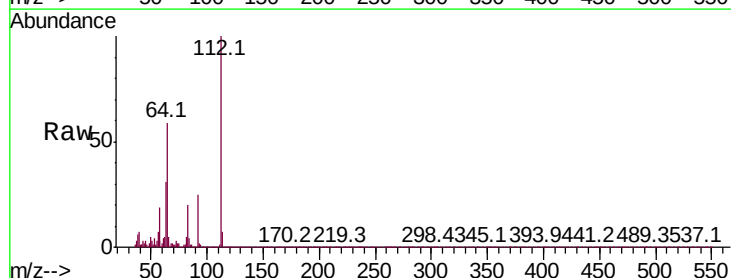
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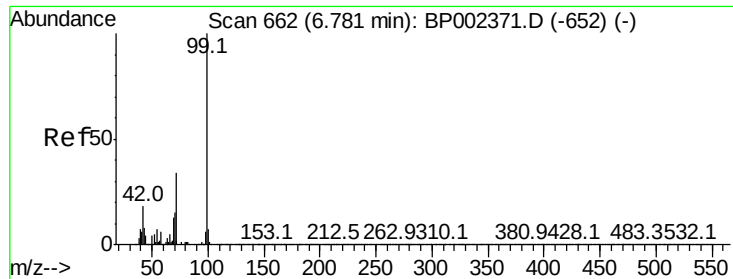


#5

2-Fluorophenol  
Concen: 26.055 ng  
RT: 5.20 min Scan# 394  
Delta R.T. -0.01 min  
Lab File: BP002459.D  
Acq: 19 Jun 2020 15:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 59.0  | 46.2  | 69.2  |
| 63      | 30.6  | 24.5  | 36.7  |





#7

Phenol-d6

Concen: 51.617 ng

RT: 6.78 min Scan# 661

Delta R.T. -0.01 min

Lab File: BP002459.D

Acq: 19 Jun 2020 15:27

Instrument :

BNA\_P

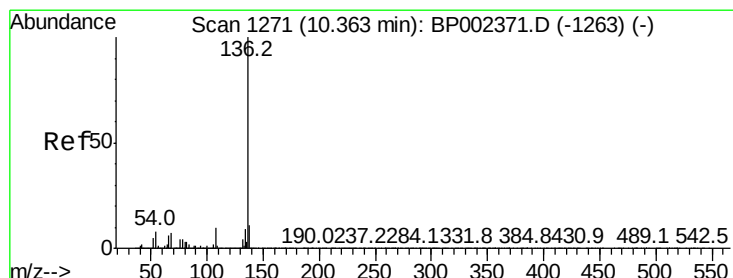
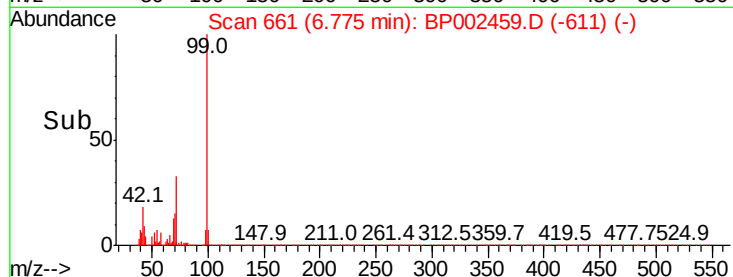
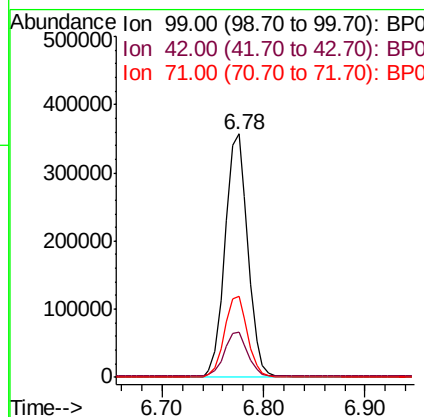
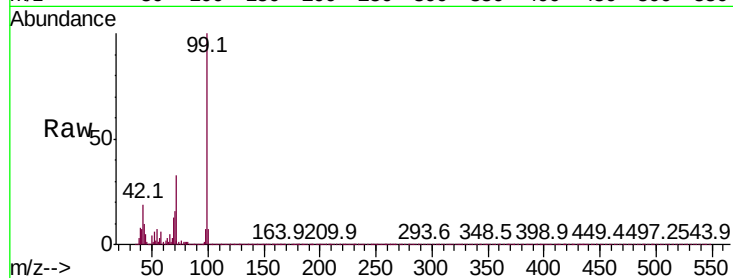
ClientSampleId :

CENTER

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 99      | 100  |       | 557638 |       |       |
| 42      | 18.6 | 14.6  | 22.0   |       |       |
| 71      | 33.5 | 27.2  | 40.8   |       |       |

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#21

Naphthalene-d8

Concen: 20.000 ng

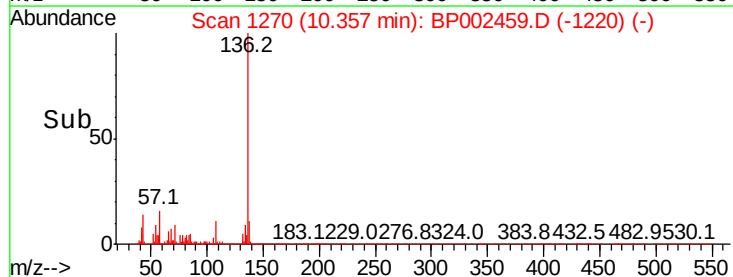
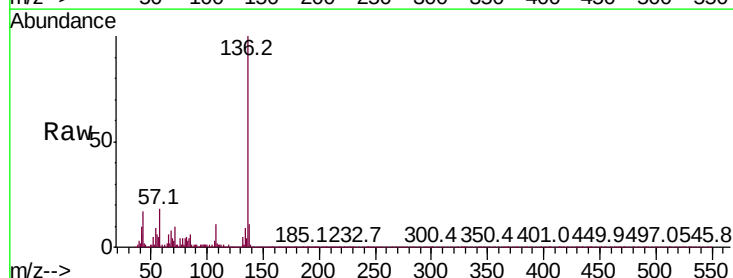
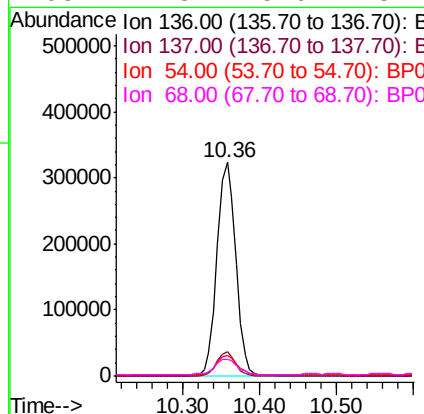
RT: 10.36 min Scan# 1270

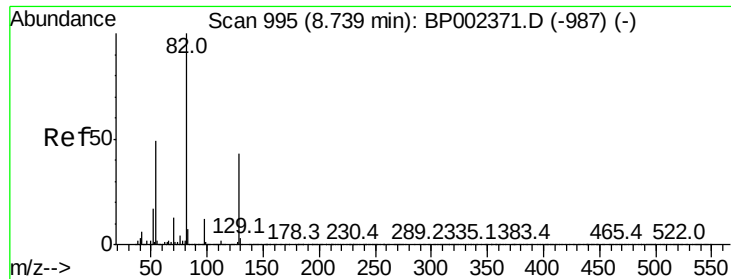
Delta R.T. -0.01 min

Lab File: BP002459.D

Acq: 19 Jun 2020 15:27

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 543163 |       |       |
| 137     | 11.4 | 8.8   | 13.2   |       |       |
| 54      | 9.4  | 6.4   | 9.6    |       |       |
| 68      | 7.8  | 5.6   | 8.4    |       |       |





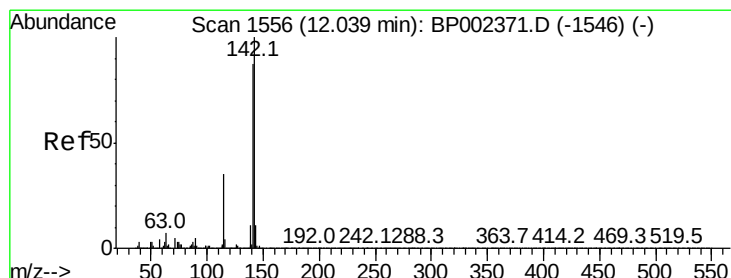
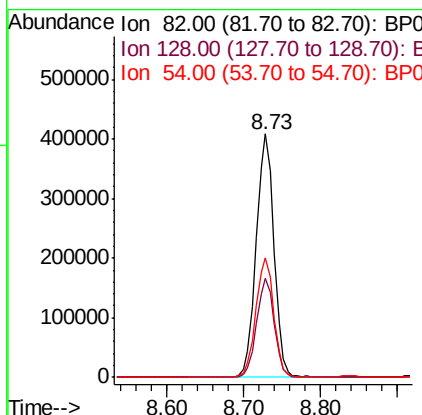
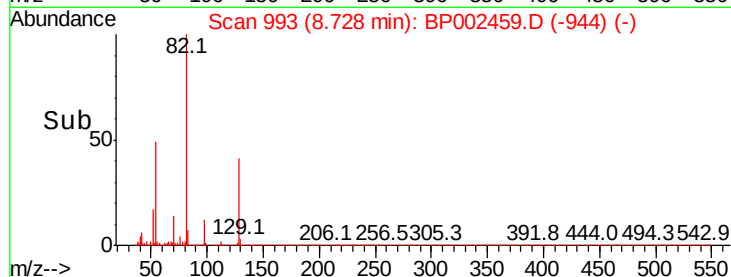
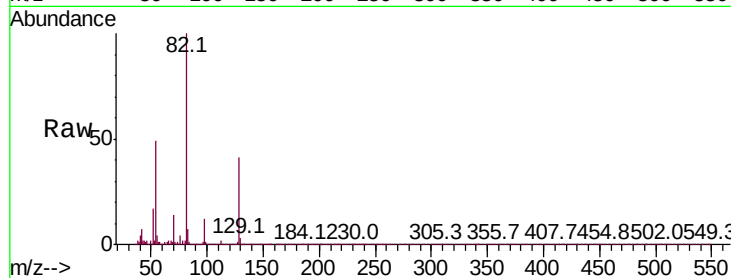
#23  
Nitrobenzene-d5  
Concen: 72.749 ng  
RT: 8.73 min Scan# 993  
Delta R.T. -0.01 min  
Lab File: BP002459.D  
Acq: 19 Jun 2020 15:27

Instrument :  
BNA\_P  
ClientSampleId :  
CENTER

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 40.6  | 34.5  | 51.7  |
| 54      | 49.3  | 39.4  | 59.2  |

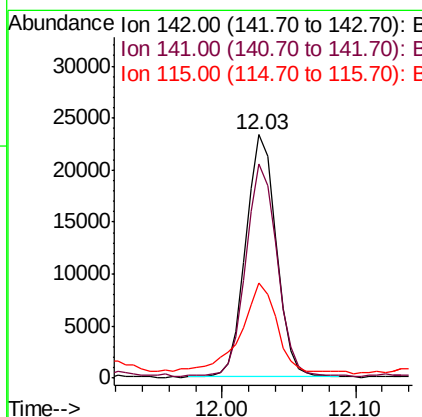
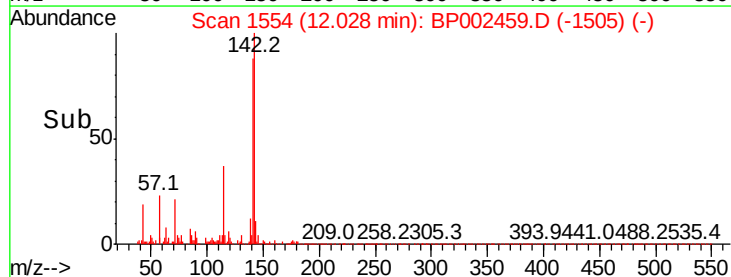
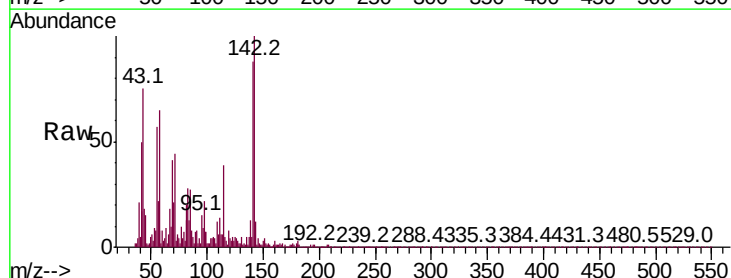
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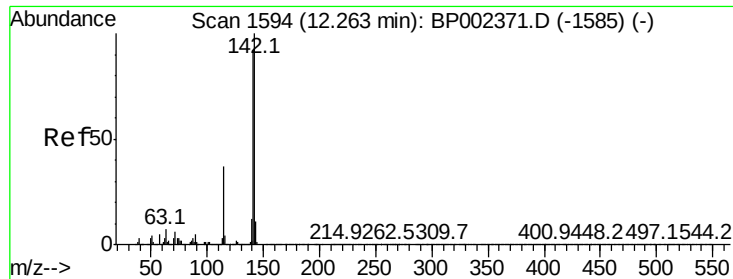
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#37  
2-Methylnaphthalene  
Concen: 2.054 ng  
RT: 12.03 min Scan# 1554  
Delta R.T. -0.01 min  
Lab File: BP002459.D  
Acq: 19 Jun 2020 15:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.1  | 69.7  | 104.5 |
| 115     | 39.0  | 27.8  | 41.8  |





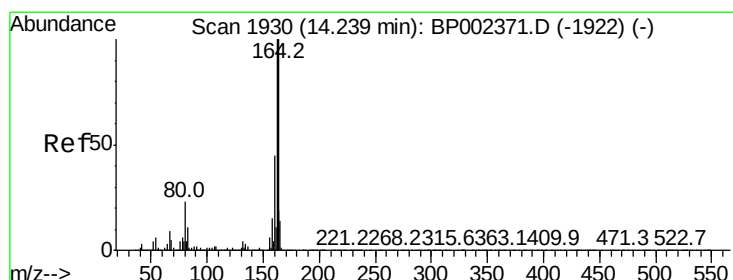
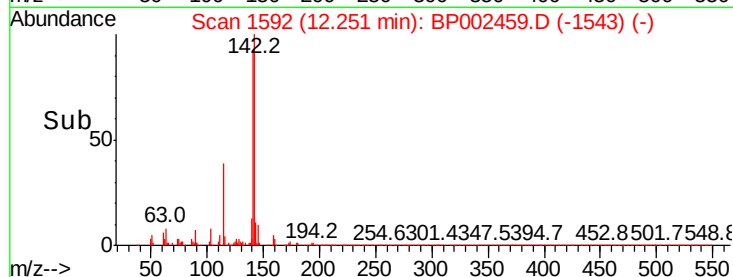
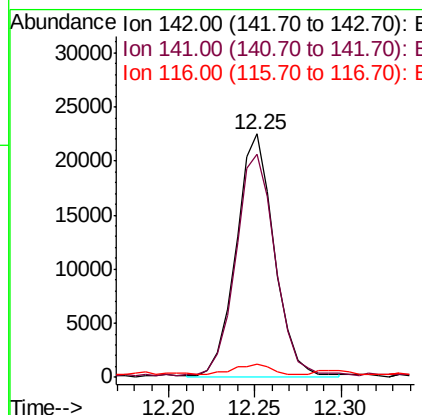
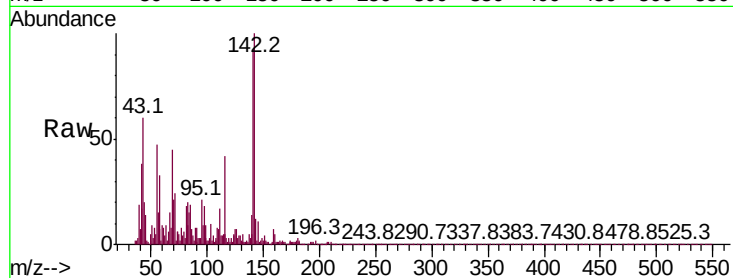
#38  
1-Methylnaphthalene  
Concen: 2.085 ng m  
RT: 12.25 min Scan# 1592  
Delta R.T. -0.01 min  
Lab File: BP002459.D  
Acq: 19 Jun 2020 15:27

Instrument :  
BNA\_P  
ClientSampleId :  
CENTER

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 142     | 100   |            |       |
| 141     | 91.6  | 73.6       | 110.4 |
| 116     | 5.3   | 3.1        | 4.7   |

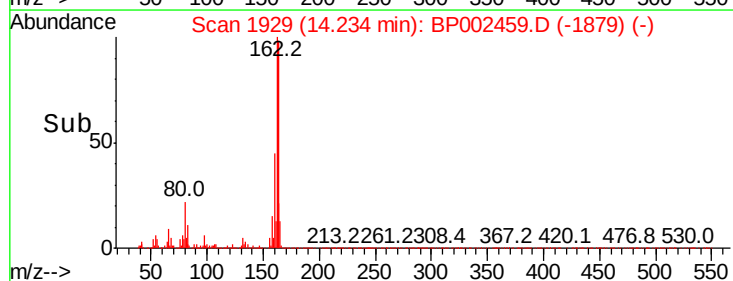
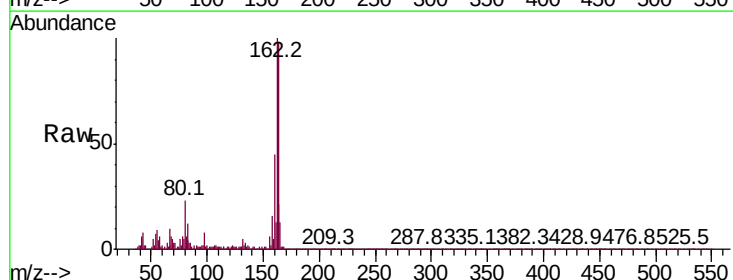
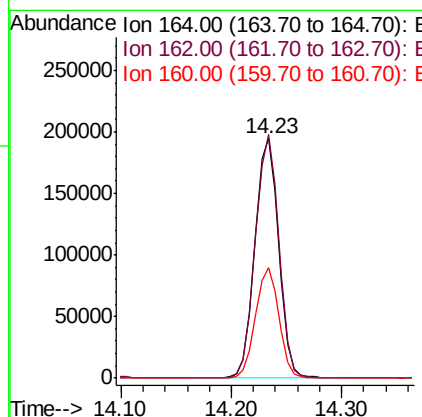
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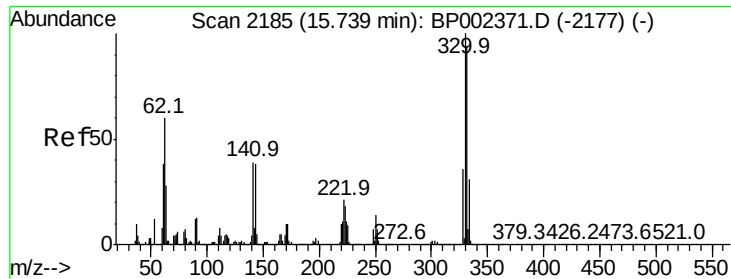
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#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.23 min Scan# 1929  
Delta R.T. -0.01 min  
Lab File: BP002459.D  
Acq: 19 Jun 2020 15:27

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 164     | 100   |            |       |
| 162     | 101.8 | 79.8       | 119.8 |
| 160     | 46.2  | 36.2       | 54.2  |





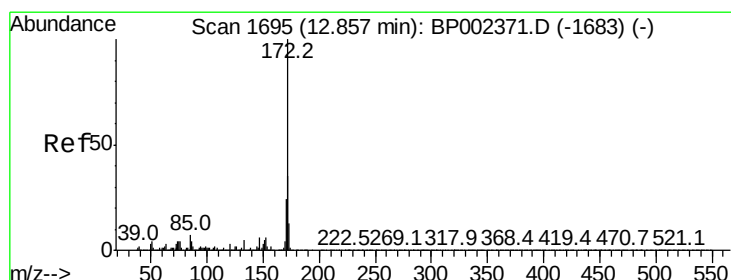
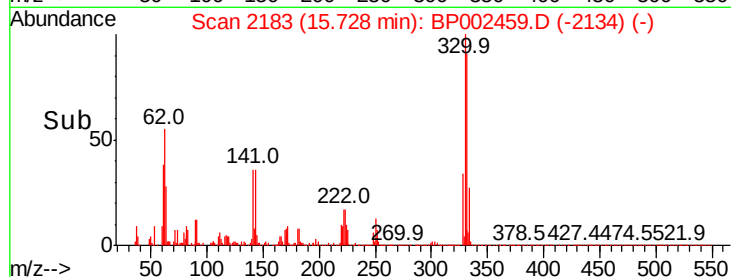
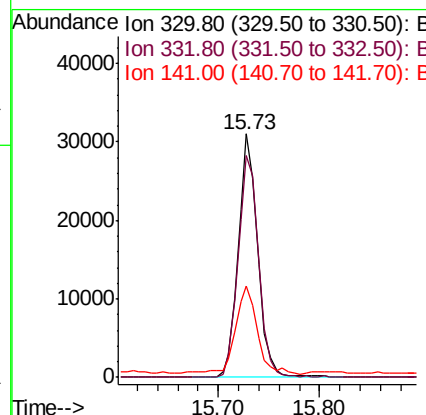
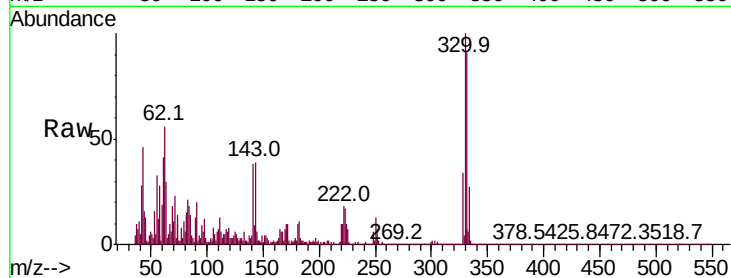
#42  
 2,4,6-Tribromophenol  
 Concen: 14.659 ng  
 RT: 15.73 min Scan# 2183  
 Delta R.T. -0.01 min  
 Lab File: BP002459.D  
 Acq: 19 Jun 2020 15:27

Instrument :  
 BNA\_P  
 ClientSampleId :  
 CENTER

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.7  | 76.6  | 115.0 |
| 141     | 40.9  | 30.3  | 45.5  |

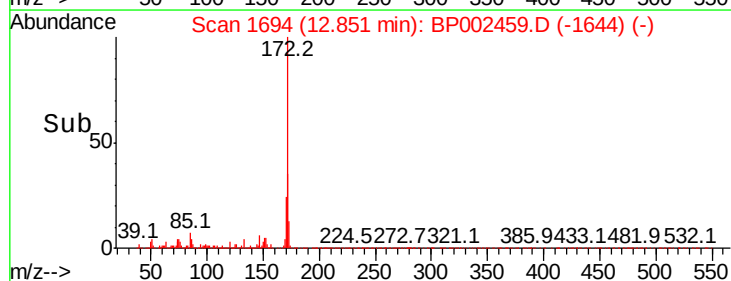
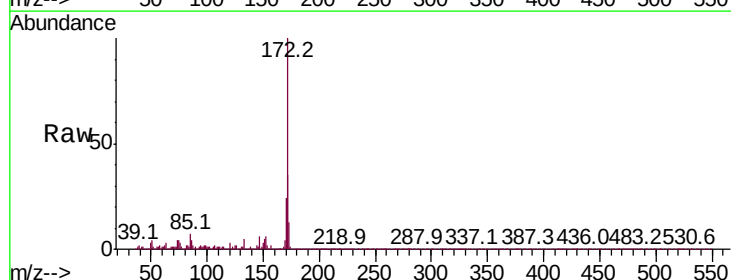
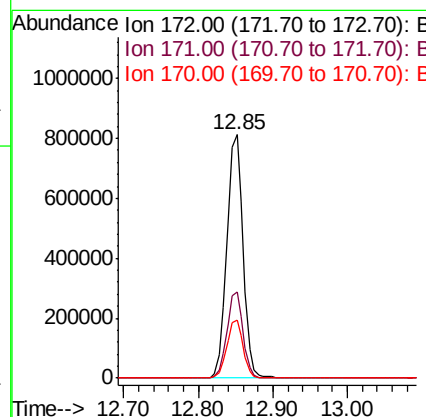
Manual Integrations  
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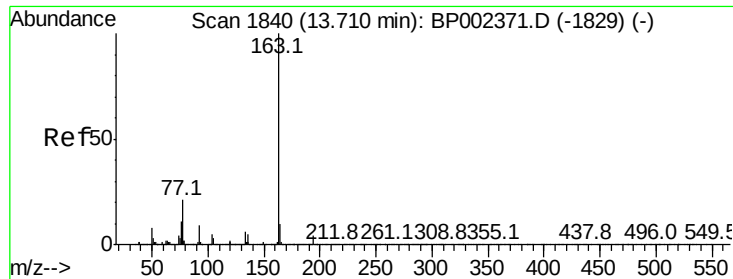
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#45  
 2-Fluorobiphenyl  
 Concen: 70.549 ng  
 RT: 12.85 min Scan# 1694  
 Delta R.T. -0.00 min  
 Lab File: BP002459.D  
 Acq: 19 Jun 2020 15:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.4  | 27.8  | 41.8  |
| 170     | 23.6  | 19.0  | 28.6  |





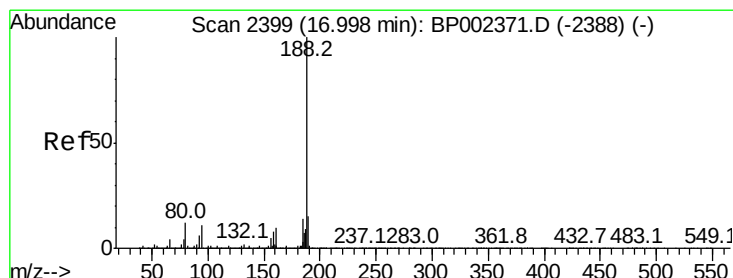
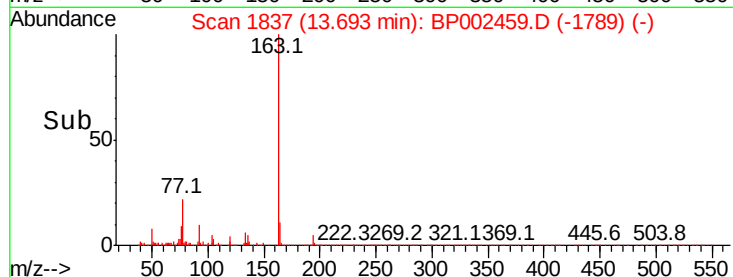
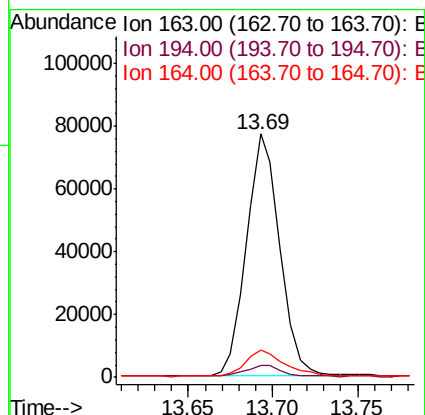
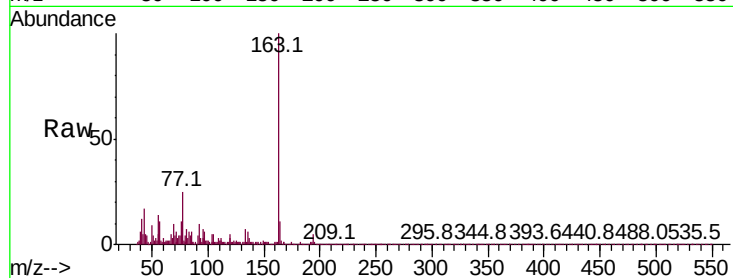
#50  
Dimethylphthalate  
Concen: 5.248 ng  
RT: 13.69 min Scan# 1837  
Delta R.T. -0.02 min  
Lab File: BP002459.D  
Acq: 19 Jun 2020 15:27

Instrument :  
BNA\_P  
ClientSampled :  
CENTER

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 163     | 100   |            |       |
| 194     | 5.2   | 3.4        | 5.0#  |
| 164     | 11.2  | 8.1        | 12.1  |

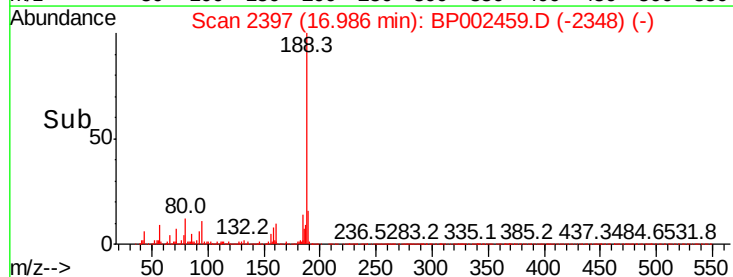
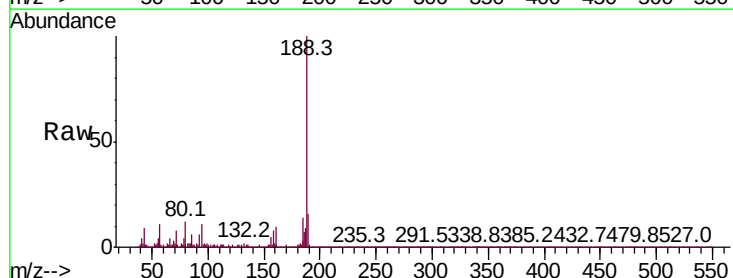
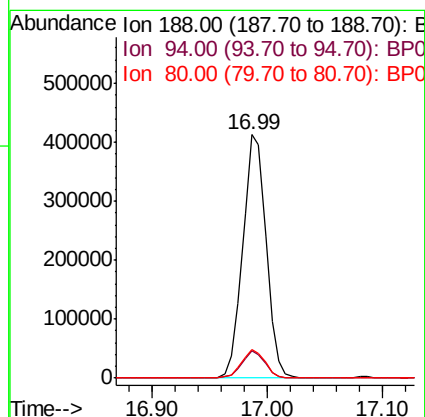
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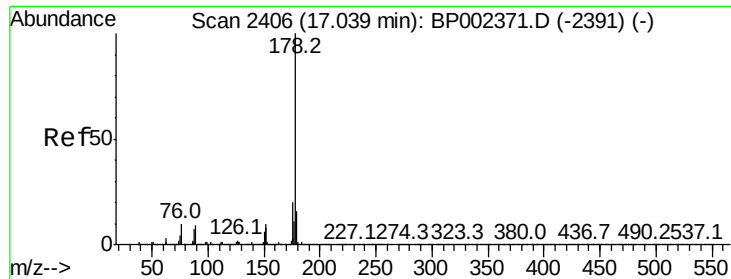


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.99 min Scan# 2397  
Delta R.T. -0.01 min  
Lab File: BP002459.D  
Acq: 19 Jun 2020 15:27

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 188     | 100   |            |       |
| 94      | 11.0  | 8.5        | 12.7  |
| 80      | 12.0  | 9.4        | 14.0  |







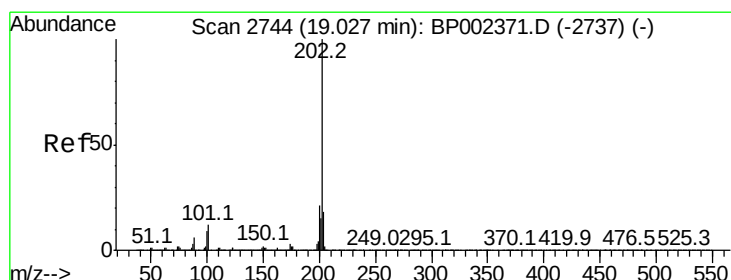
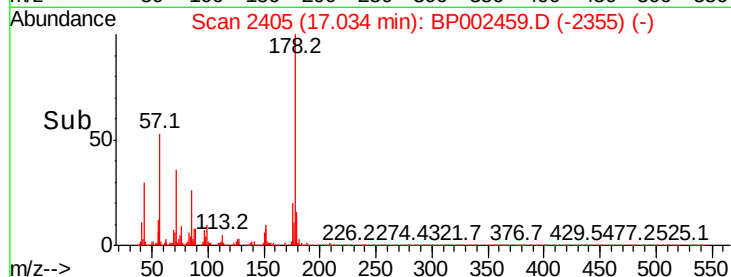
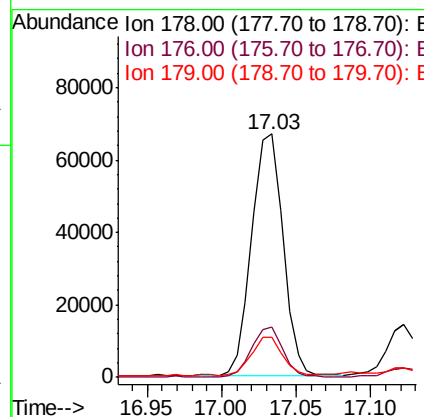
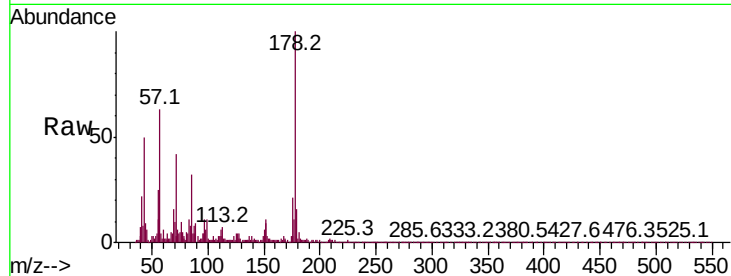
#71  
Phenanthrene  
Concen: 3.612 ng  
RT: 17.03 min Scan# 2405  
Delta R.T. -0.01 min  
Lab File: BP002459.D  
Acq: 19 Jun 2020 15:27

Instrument :  
BNA\_P  
ClientSampleId :  
CENTER

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 178   | Resp: | 97777 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 20.6  | 15.8  | 23.6  |
| 179       | 16.3  | 12.5  | 18.7  |

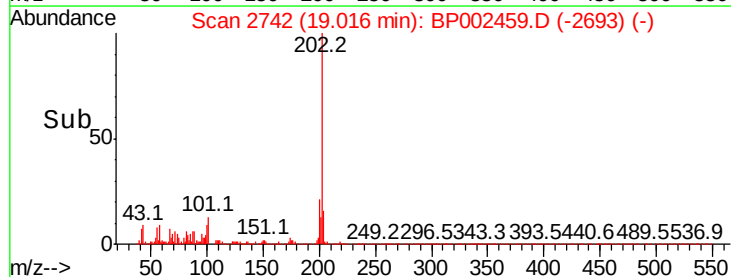
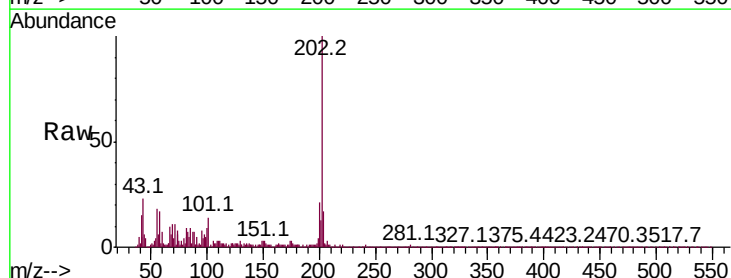
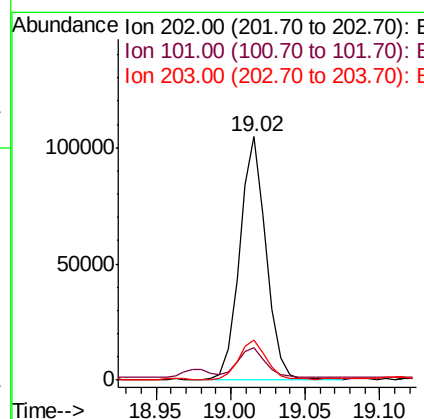
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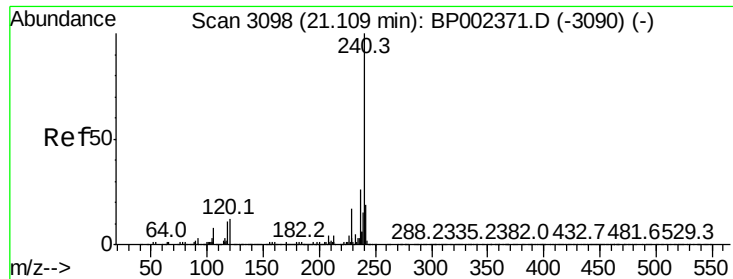
mohammad  
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#75  
Fluoranthene  
Concen: 3.941 ng  
RT: 19.02 min Scan# 2742  
Delta R.T. -0.01 min  
Lab File: BP002459.D  
Acq: 19 Jun 2020 15:27

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 127331 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 13.6  | 0.0   | 31.8   |
| 203       | 16.5  | 0.0   | 38.0   |





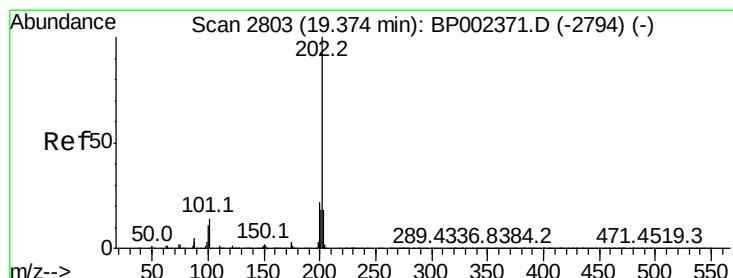
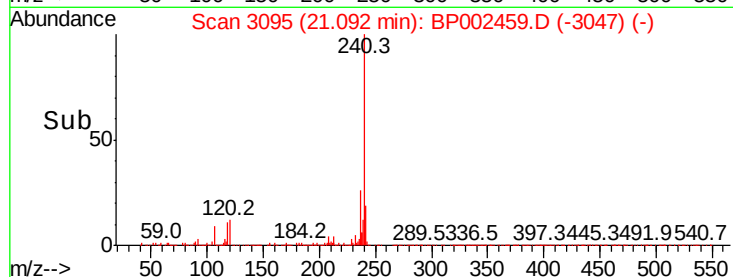
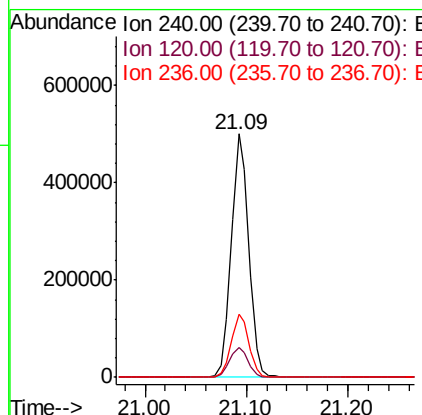
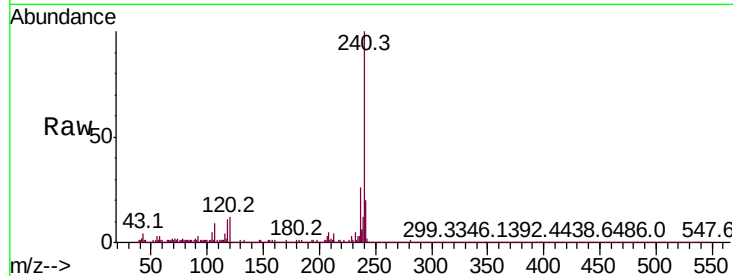
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.09 min Scan# 3095  
Delta R.T. -0.02 min  
Lab File: BP002459.D  
Acq: 19 Jun 2020 15:27

Instrument :  
BNA\_P  
ClientSampleId :  
CENTER

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 597622 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 12.3  | 9.3   | 13.9   |
| 236       | 26.2  | 21.0  | 31.6   |

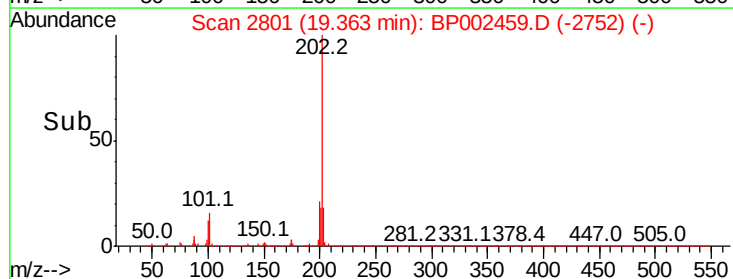
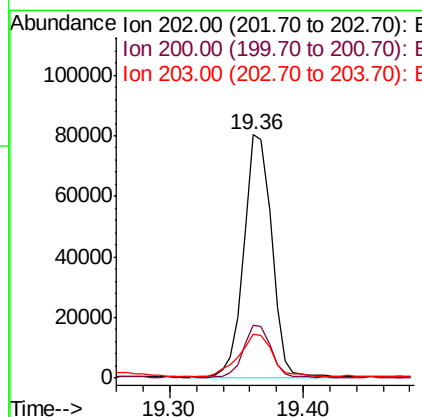
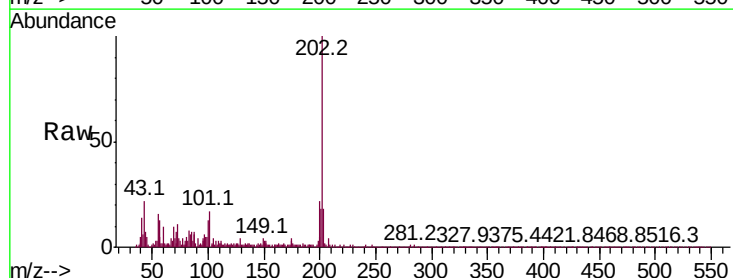
Manual Integrations  
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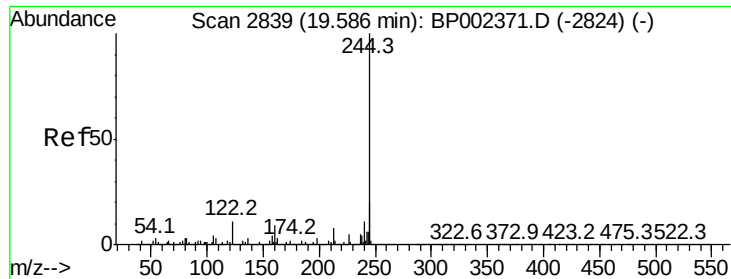
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#78  
Pyrene  
Concen: 3.124 ng  
RT: 19.36 min Scan# 2801  
Delta R.T. -0.01 min  
Lab File: BP002459.D  
Acq: 19 Jun 2020 15:27

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 114376 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 21.6  | 17.7  | 26.5   |
| 203       | 18.3  | 14.6  | 22.0   |





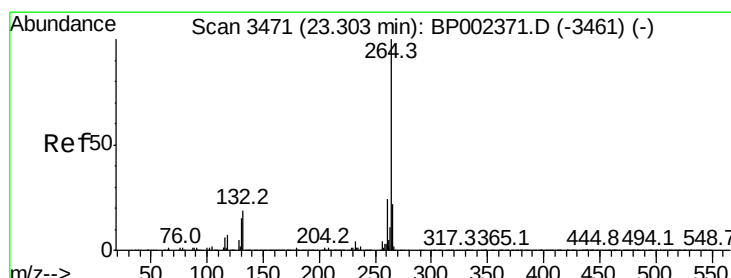
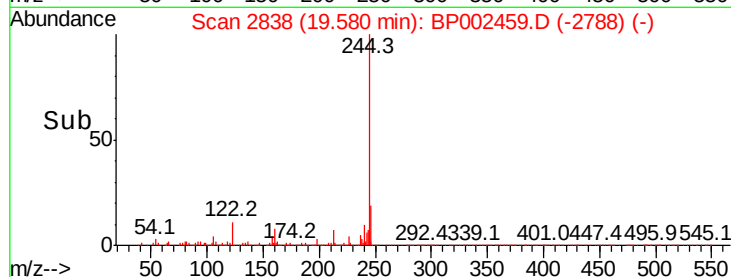
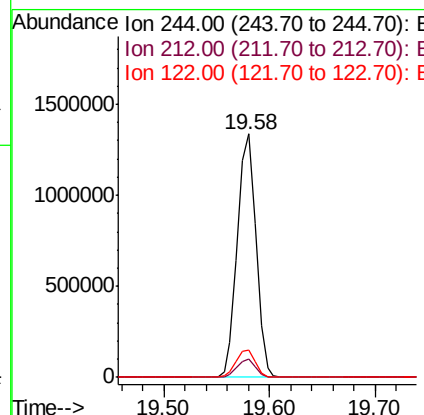
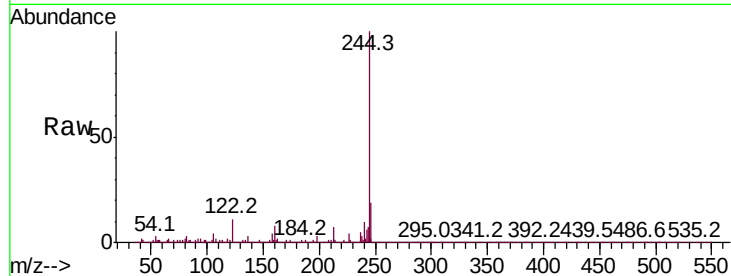
#79  
Terphenyl-d14  
Concen: 62.692 ng  
RT: 19.58 min Scan# 2838  
Delta R.T. -0.00 min  
Lab File: BP002459.D  
Acq: 19 Jun 2020 15:27

Instrument :  
BNA\_P  
ClientSampleId :  
CENTER

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.5   | 6.6   | 10.0  |
| 122     | 11.0  | 8.8   | 13.2  |

Manual Integrations  
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#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.29 min Scan# 3469  
Delta R.T. -0.01 min  
Lab File: BP002459.D  
Acq: 19 Jun 2020 15:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.8  | 19.4  | 29.0  |
| 265     | 21.6  | 17.4  | 26.2  |

