

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092619\  
 Data File : BP000423.D  
 Acq On : 26 Sep 2019 15:33  
 Operator : JU  
 Sample : K5008-14  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 TWP-9

Manual Integrations  
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 9/27/2019 1:46:52 PM

Quant Time: Sep 27 04:24:43 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 19 14:44:51 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.80  | 152  | 178569   | 20.00 | ng    | 0.01     |
| 21) Naphthalene-d8        | 8.08  | 136  | 506553   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.84  | 164  | 411116   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.34 | 188  | 763758   | 20.00 | ng    | 0.01     |
| 76) Chrysene-d12          | 14.00 | 240  | 792364   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.49 | 264  | 883493   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.42  | 112  | 799461   | 77.29  | ng    | 0.02     |
| 7) Phenol-d6                | 6.43  | 99   | 901720   | 71.12  | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 7.36  | 82   | 889310   | 113.27 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.64 | 330  | 552362   | 135.46 | ng    | 0.01     |
| 45) 2-Fluorobiphenyl        | 9.16  | 172  | 1980451  | 86.70  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.94 | 244  | 2853898  | 75.56  | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc    | Units | Qvalue |
|--------------------------------|-------|------|----------|---------|-------|--------|
| 10) Phenol                     | 6.45  | 94   | 94926    | 6.590   | ng    | 87     |
| 38) 1-Methylnaphthalene        | 8.90  | 142  | 1647537  | 109.668 | ng    | # 99   |
| 49) Acenaphthylene             | 9.70  | 152  | 120795   | 3.368   | ng    | # 1    |
| 50) Dimethylphthalate          | 9.55  | 163  | 282976   | 10.103  | ng    | # 87   |
| 52) Acenaphthene               | 9.87  | 154  | 194887   | 8.612   | ng    | # 84   |
| 55) Dibenzofuran               | 10.05 | 168  | 247090   | 7.723   | ng    | # 22   |
| 58) Fluorene                   | 10.39 | 166  | 377117   | 15.261  | ng    | # 92   |
| 71) Phenanthrene               | 11.36 | 178  | 1026537  | 26.821  | ng    | 97     |
| 72) Anthracene                 | 11.41 | 178  | 151008m  | 3.833   | ng    |        |
| 78) Pyrene                     | 12.79 | 202  | 125258   | 2.113   | ng    | # 94   |
| 84) Bis(2-ethylhexyl)phthalate | 13.99 | 149  | 280974   | 8.593   | ng    | 98     |

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

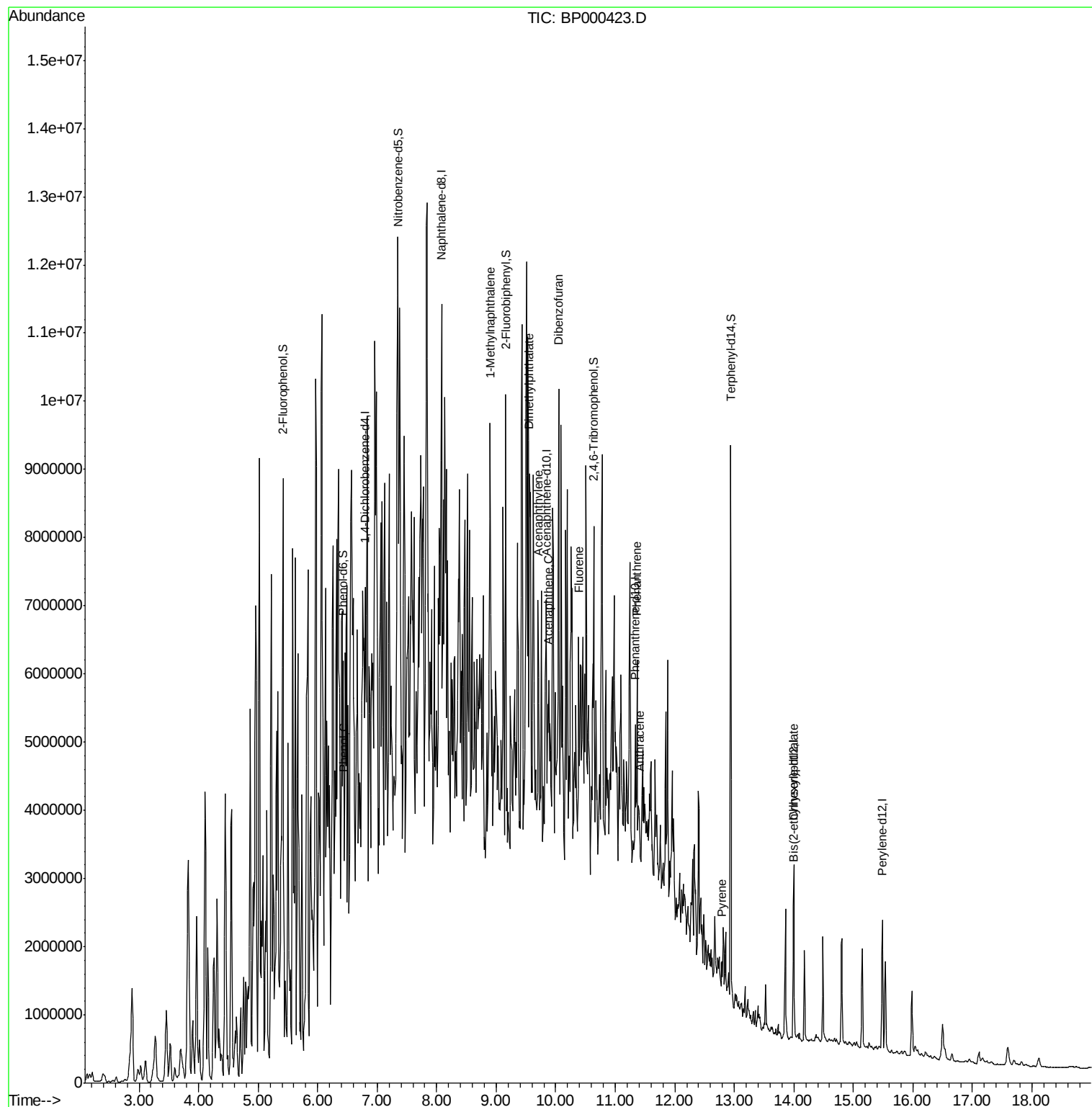
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092619\  
Data File : BP000423.D  
Acq On : 26 Sep 2019 15:33  
Operator : JU  
Sample : K5008-14  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

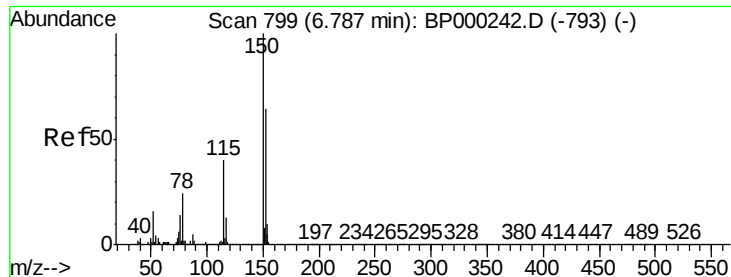
Instrument :  
BNA\_P  
ClientSampled :  
TWP-9

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Quant Time: Sep 27 04:24:43 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 19 14:44:51 2019  
Response via : Initial Calibration





#1

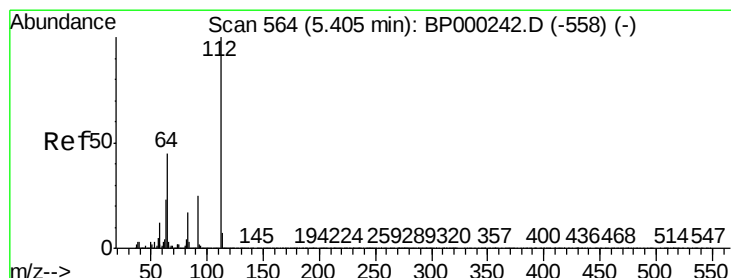
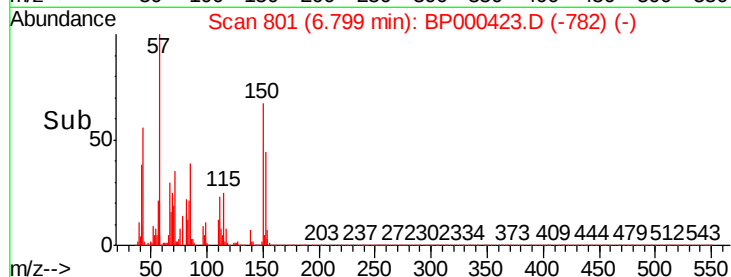
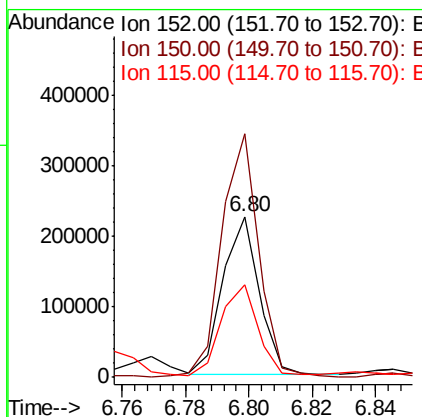
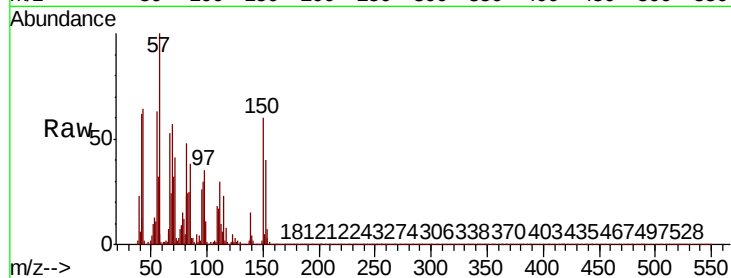
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.80 min Scan# 801  
Delta R.T. 0.01 min  
Lab File: BP000423.D  
Acq: 26 Sep 2019 15:33

Instrument :  
BNA\_P  
ClientSampled :  
TWP-9

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 151.2 | 125.2 | 187.8 |
| 115     | 57.8  | 49.7  | 74.5  |

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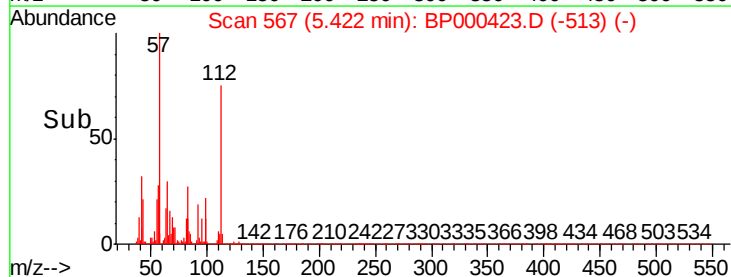
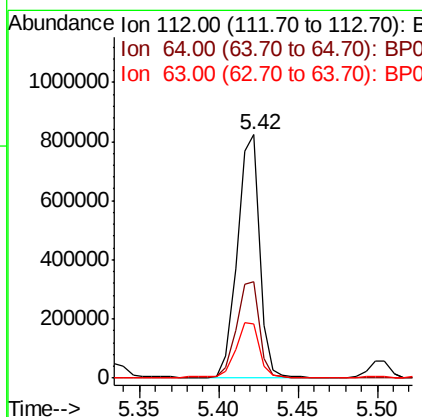
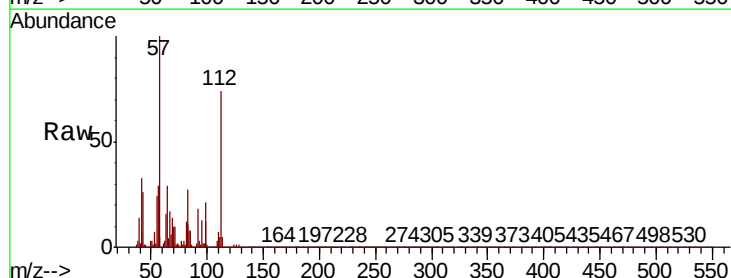
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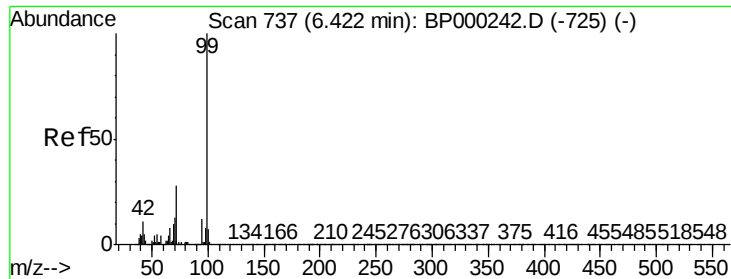


#5

2-Fluorophenol  
Concen: 77.289 ng  
RT: 5.42 min Scan# 567  
Delta R.T. 0.02 min  
Lab File: BP000423.D  
Acq: 26 Sep 2019 15:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 39.7  | 36.2  | 54.4  |
| 63      | 22.1  | 18.3  | 27.5  |





#7

Phenol-d6

Concen: 71.118 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.01 min

Lab File: BP000423.D

Acq: 26 Sep 2019 15:33

Instrument :

BNA\_P

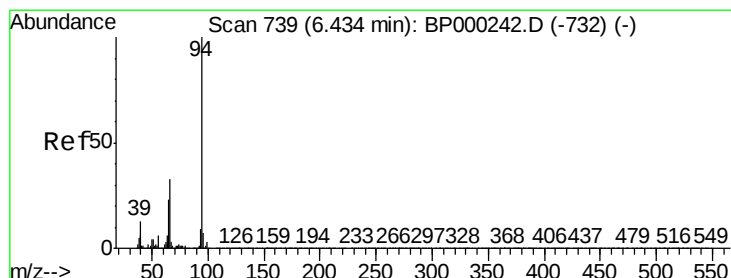
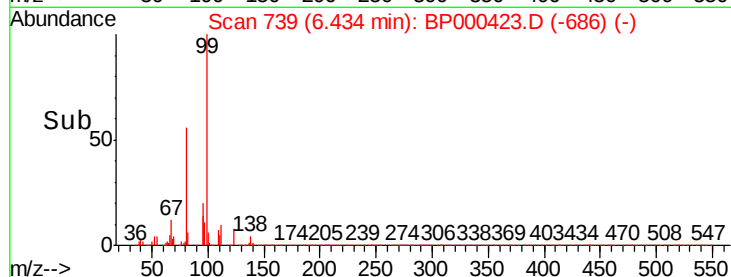
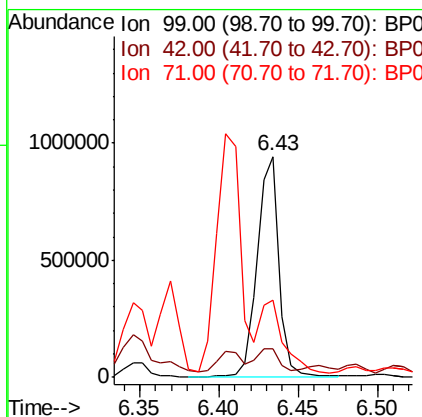
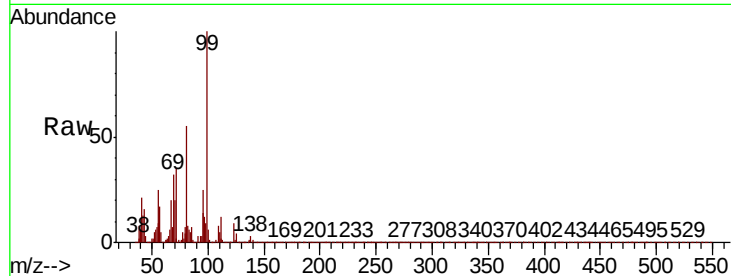
ClientSampled :

TWP-9

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 901720 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 12.8  | 8.5   | 12.7#  |
| 71        | 35.1  | 22.6  | 34.0#  |

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#10

Phenol

Concen: 6.590 ng

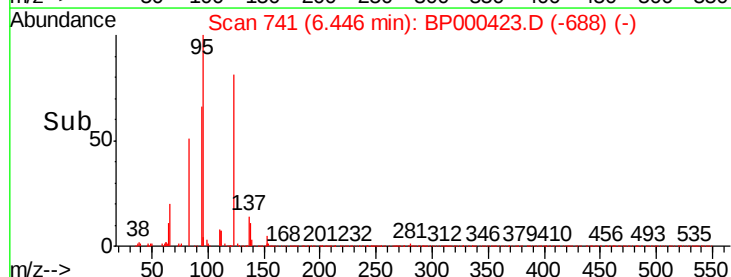
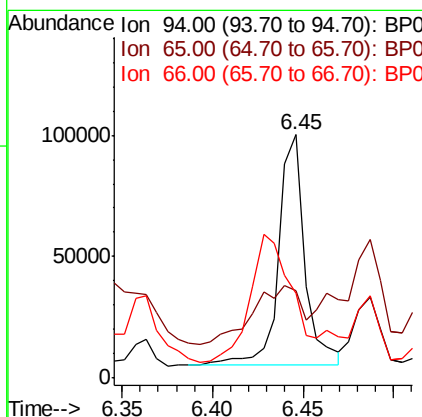
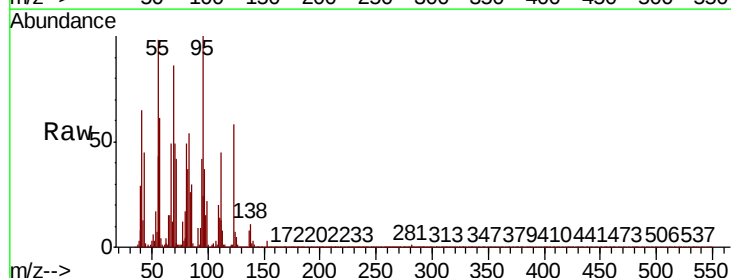
RT: 6.45 min Scan# 741

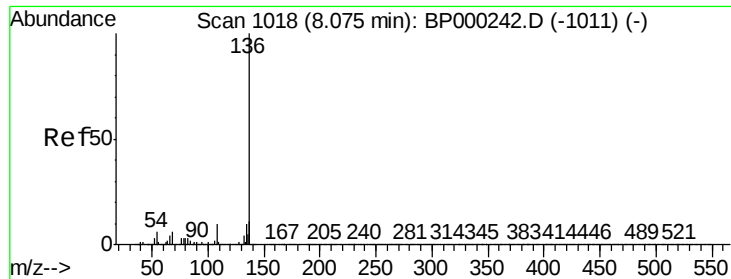
Delta R.T. 0.01 min

Lab File: BP000423.D

Acq: 26 Sep 2019 15:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 94    | Resp: | 94926 |
| Ion Ratio | Lower | Upper |       |
| 94        | 100   |       |       |
| 65        | 36.0  | 3.3   | 43.3  |
| 66        | 34.8  | 12.7  | 52.7  |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. 0.01 min

Lab File: BP000423.D

Acq: 26 Sep 2019 15:33

Instrument :

BNA\_P

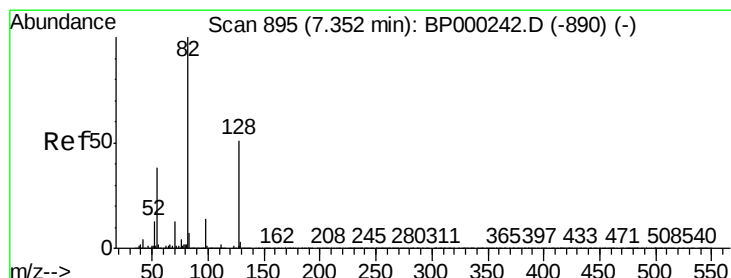
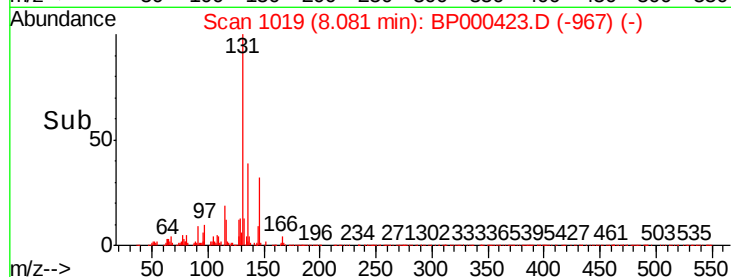
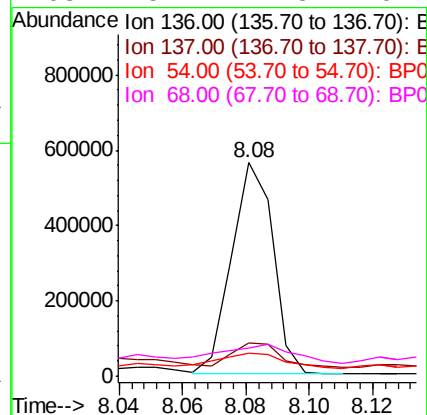
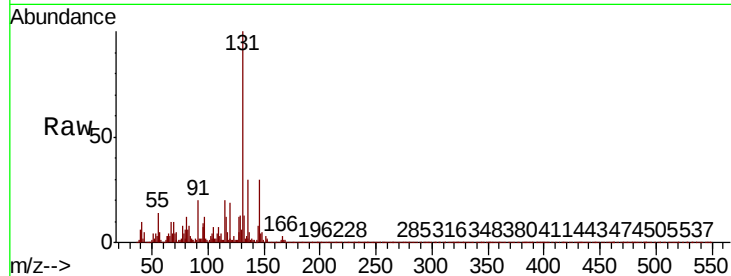
ClientSampleId :

TWP-9

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 136     | 100  |       |       |       |       |
| 137     | 15.4 | 8.6   | 13.0# |       |       |
| 54      | 10.7 | 4.5   | 6.7#  |       |       |
| 68      | 13.2 | 4.5   | 6.7#  |       |       |

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#23

Nitrobenzene-d5

Concen: 113.271 ng

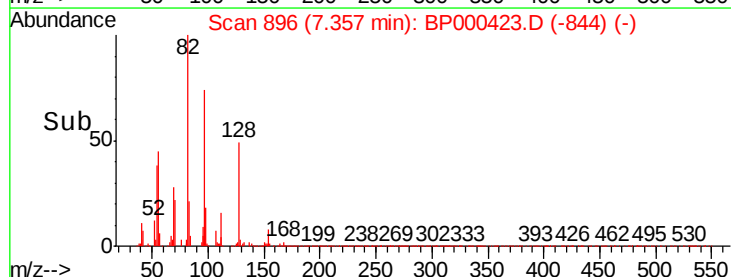
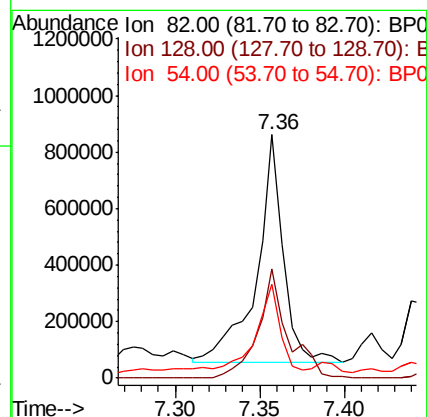
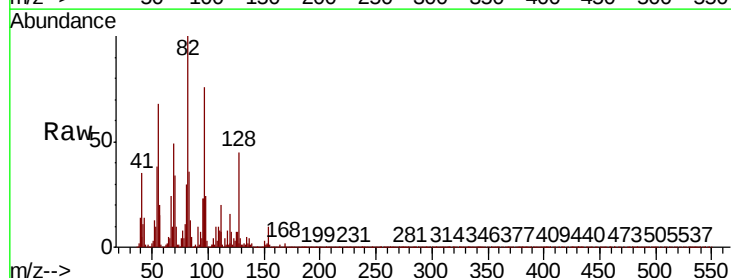
RT: 7.36 min Scan# 896

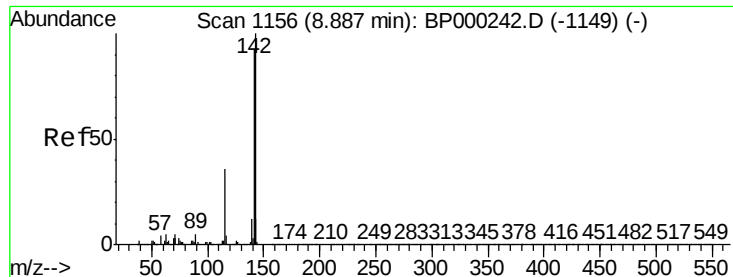
Delta R.T. 0.01 min

Lab File: BP000423.D

Acq: 26 Sep 2019 15:33

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 82      | 100  |       |      |       |       |
| 128     | 45.0 | 40.7  | 61.1 |       |       |
| 54      | 38.3 | 30.1  | 45.1 |       |       |





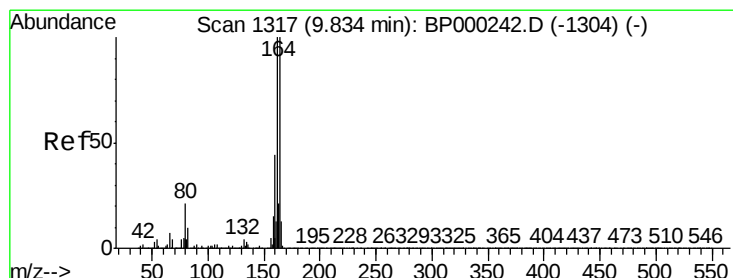
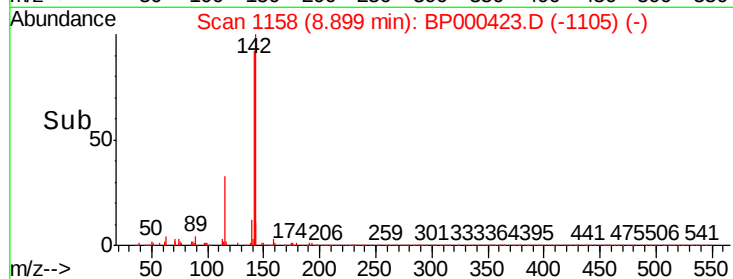
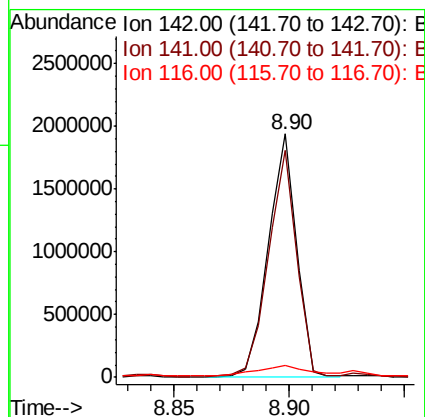
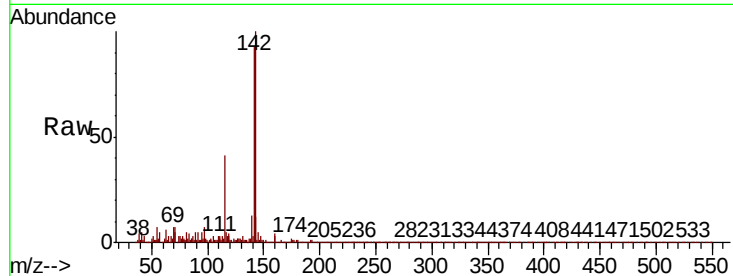
#38  
 1-Methylnaphthalene  
 Concen: 109.668 ng  
 RT: 8.90 min Scan# 1158  
 Delta R.T. 0.01 min  
 Lab File: BP000423.D  
 Acq: 26 Sep 2019 15:33

Instrument :  
 BNA\_P  
 ClientSampled :  
 TWP-9

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 93.2  | 73.9  | 110.9 |
| 116     | 5.0   | 3.0   | 4.6#  |

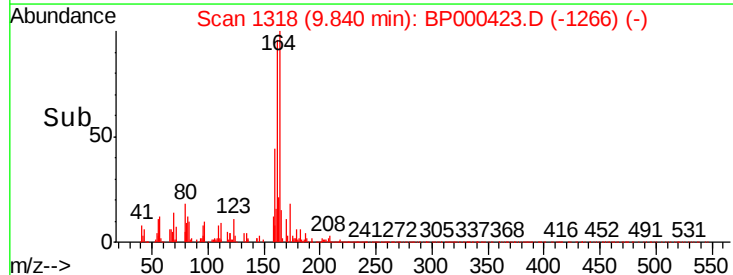
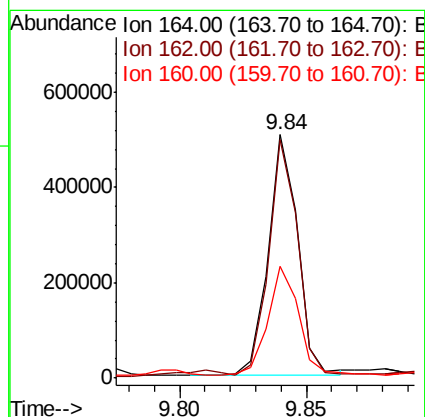
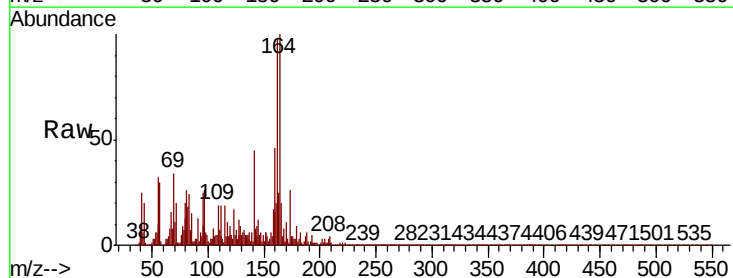
Manual Integrations  
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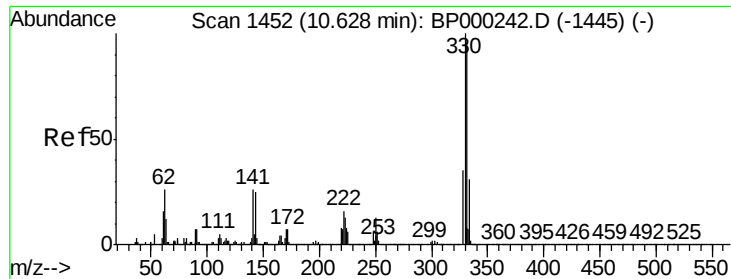
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#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.84 min Scan# 1318  
 Delta R.T. 0.01 min  
 Lab File: BP000423.D  
 Acq: 26 Sep 2019 15:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 97.8  | 79.9  | 119.9 |
| 160     | 45.9  | 35.6  | 53.4  |





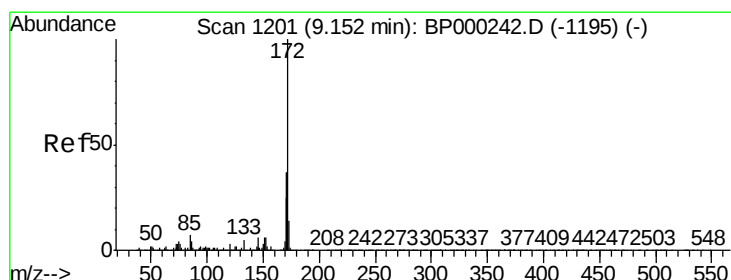
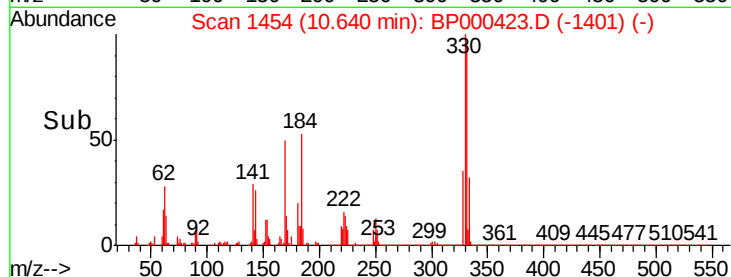
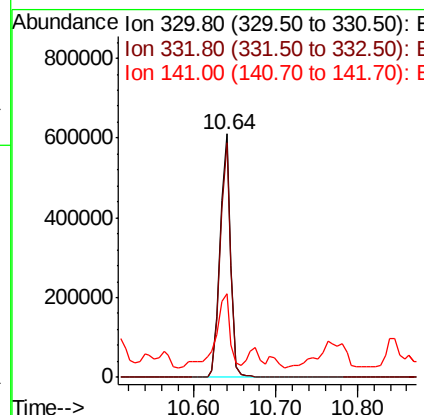
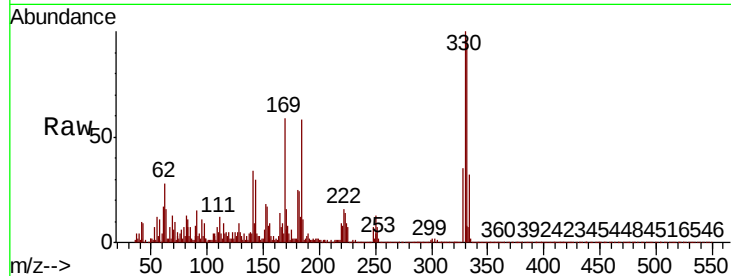
#42  
 2,4,6-Tribromophenol  
 Concen: 135.459 ng  
 RT: 10.64 min Scan# 1454  
 Delta R.T. 0.01 min  
 Lab File: BP000423.D  
 Acq: 26 Sep 2019 15:33

Instrument :  
 BNA\_P  
 ClientSampled :  
 TWP-9

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 552362 |       |       |
| 332     | 96.0  | 76.6   | 115.0 |       |
| 141     | 42.3  | 26.5   | 39.7  |       |

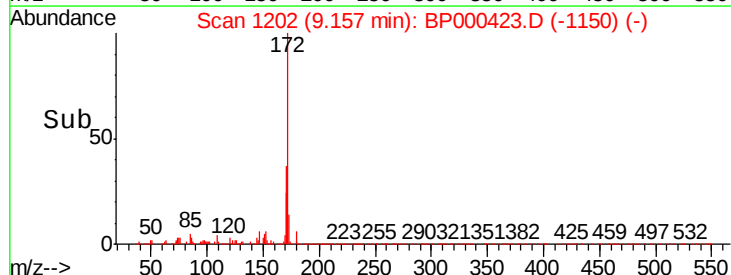
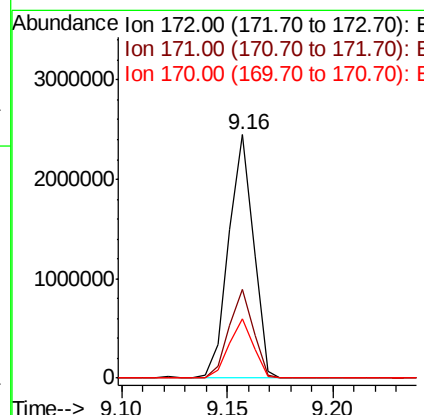
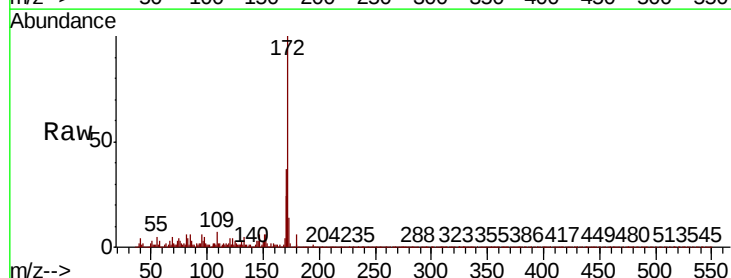
Manual Integrations  
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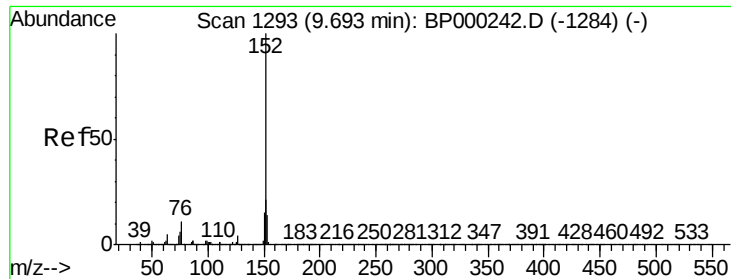
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#45  
 2-Fluorobiphenyl  
 Concen: 86.701 ng  
 RT: 9.16 min Scan# 1202  
 Delta R.T. 0.01 min  
 Lab File: BP000423.D  
 Acq: 26 Sep 2019 15:33

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 172     | 100   | 1980451 |       |       |
| 171     | 36.6  | 29.8    | 44.6  |       |
| 170     | 24.3  | 19.8    | 29.6  |       |





#49

Acenaphthylene

Concen: 3.368 ng

RT: 9.70 min Scan# 1295

Delta R.T. 0.01 min

Lab File: BP000423.D

Acq: 26 Sep 2019 15:33

Instrument :

BNA\_P

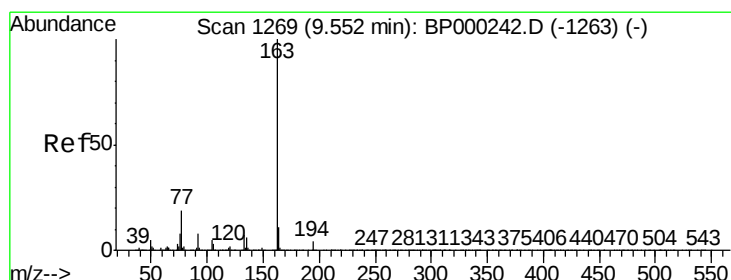
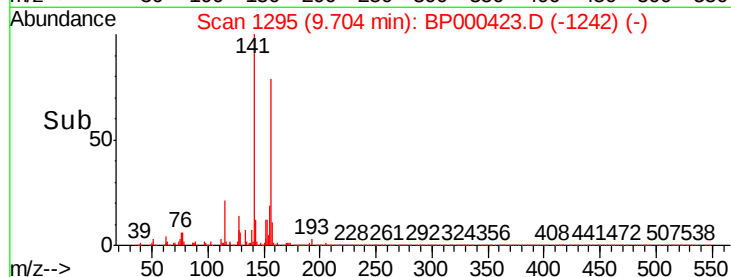
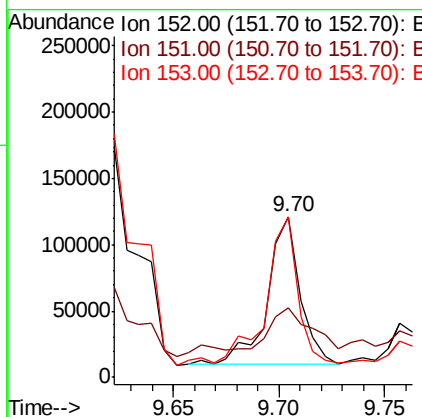
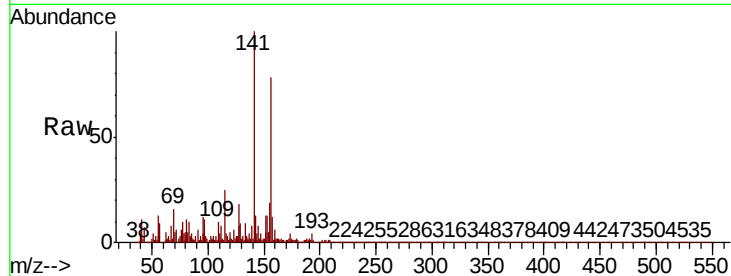
ClientSampleId :

TWP-9

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 120795 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 43.5  | 16.4  | 24.6#  |
| 153       | 99.7  | 11.0  | 16.4#  |

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#50

Dimethylphthalate

Concen: 10.103 ng

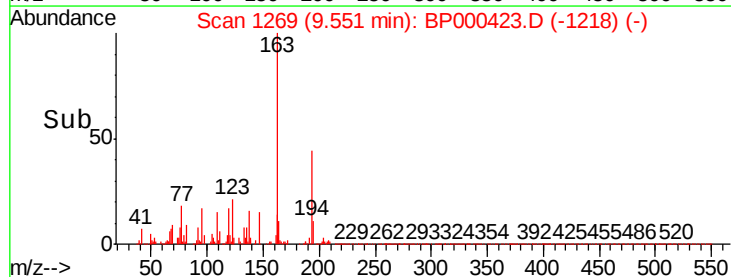
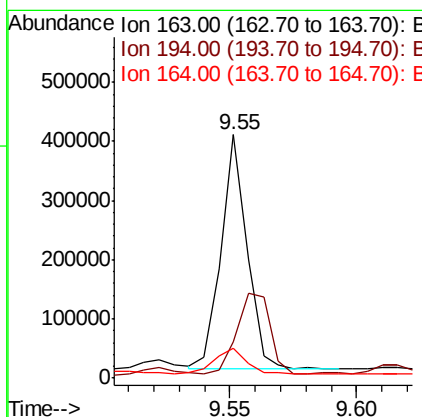
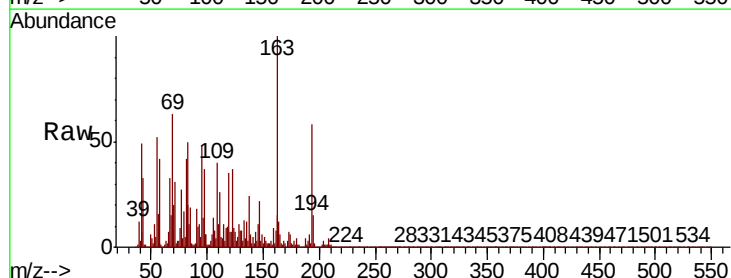
RT: 9.55 min Scan# 1269

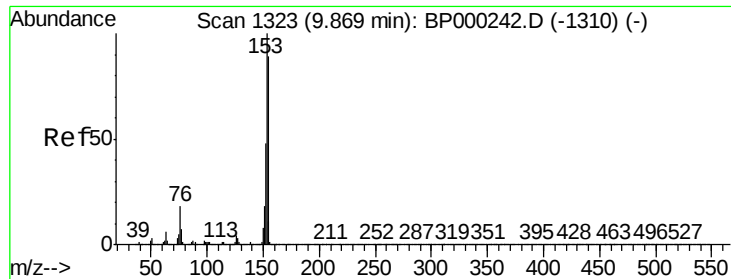
Delta R.T. -0.00 min

Lab File: BP000423.D

Acq: 26 Sep 2019 15:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 163   | Resp: | 282976 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 14.9  | 3.4   | 5.0#   |
| 164       | 12.4  | 8.5   | 12.7   |





#52

Acenaphthene

Concen: 8.612 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.01 min

Lab File: BP000423.D

Acq: 26 Sep 2019 15:33

Instrument :

BNA\_P

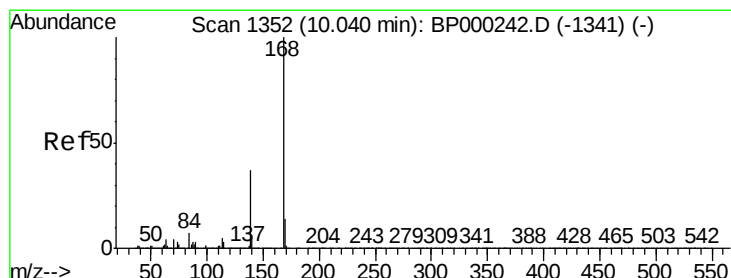
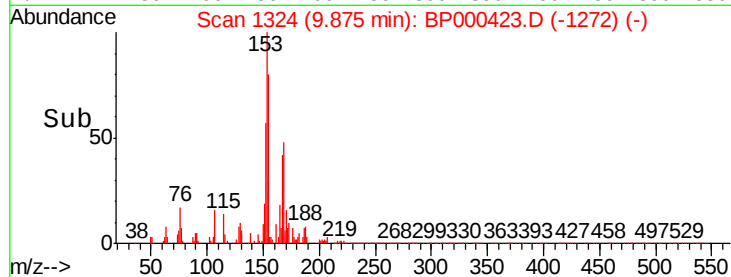
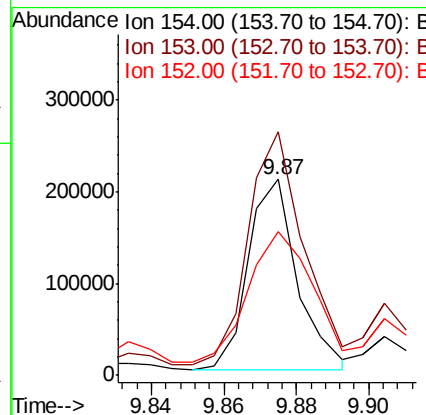
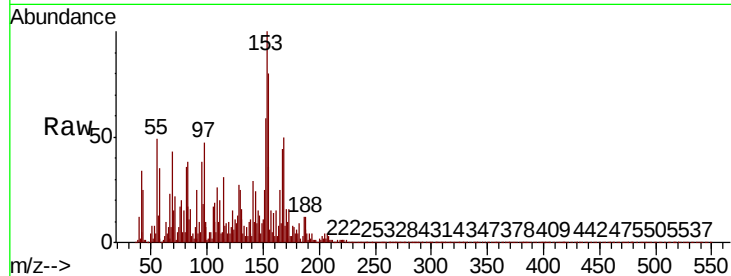
ClientSampleId :

TWP-9

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 194887 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 124.3 | 89.8  | 134.6  |
| 152       | 73.3  | 43.4  | 65.0#  |

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#55

Dibenzofuran

Concen: 7.723 ng

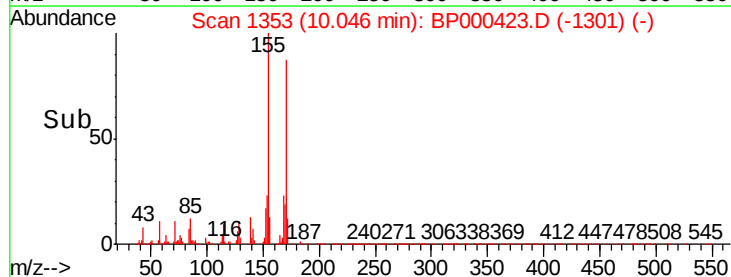
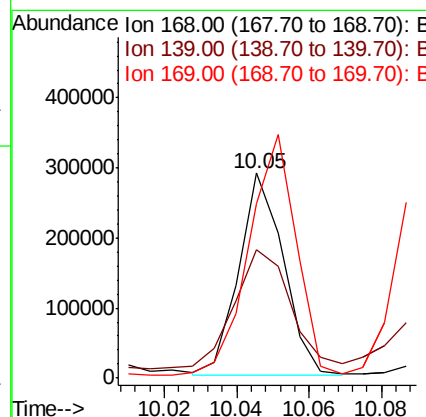
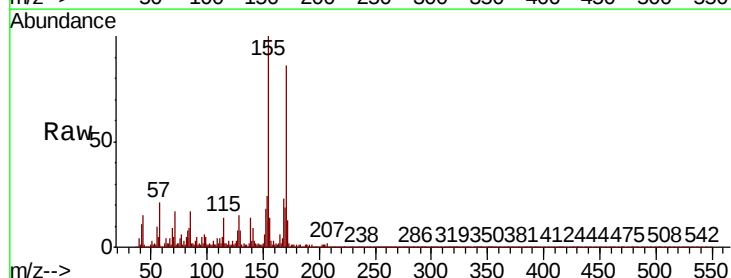
RT: 10.05 min Scan# 1353

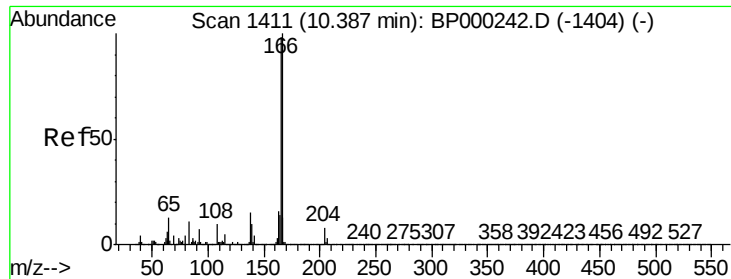
Delta R.T. 0.01 min

Lab File: BP000423.D

Acq: 26 Sep 2019 15:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 168   | Resp: | 247090 |
| Ion Ratio | Lower | Upper |        |
| 168       | 100   |       |        |
| 139       | 62.8  | 30.0  | 45.0#  |
| 169       | 85.2  | 11.0  | 16.6#  |





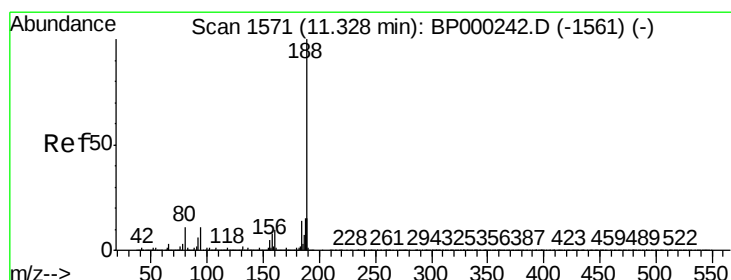
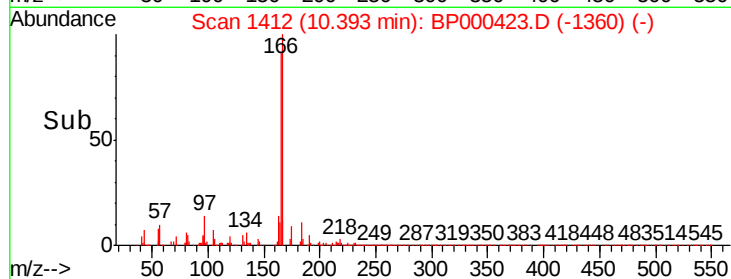
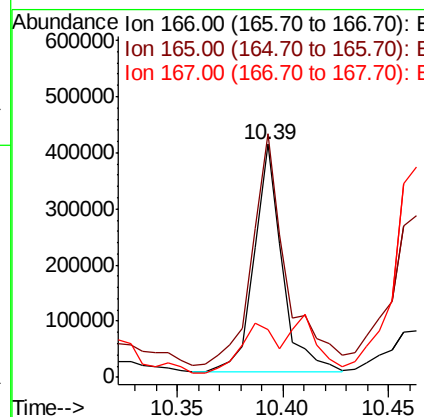
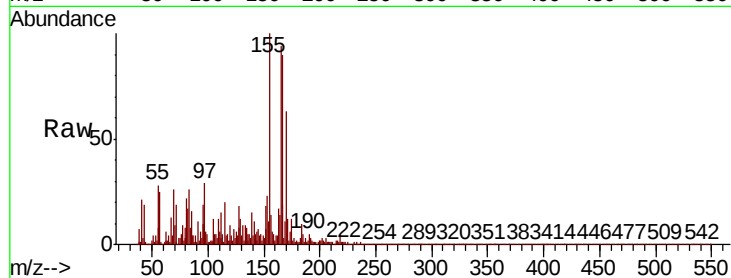
#58  
 Fluorene  
 Concen: 15.261 ng  
 RT: 10.39 min Scan# 1412  
 Delta R.T. 0.01 min  
 Lab File: BP000423.D  
 Acq: 26 Sep 2019 15:33

Instrument :  
 BNA\_P  
 ClientSampled :  
 TWP-9

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 104.5 | 78.2  | 117.2 |
| 167     | 20.8  | 10.7  | 16.1# |

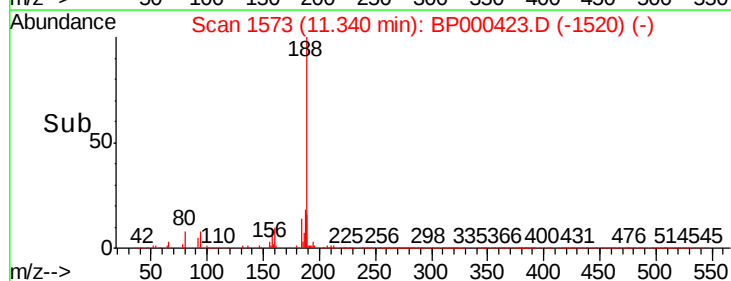
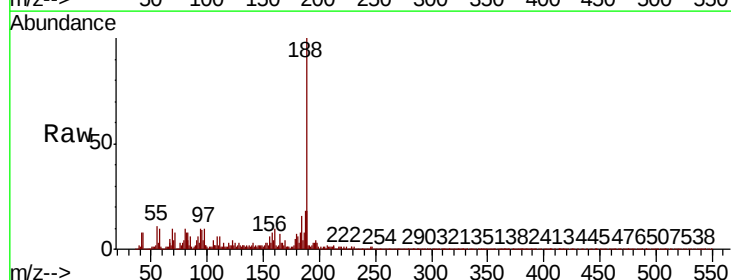
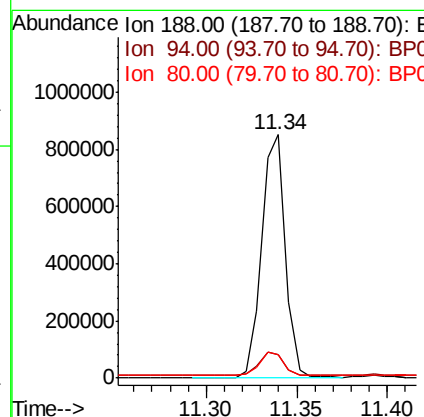
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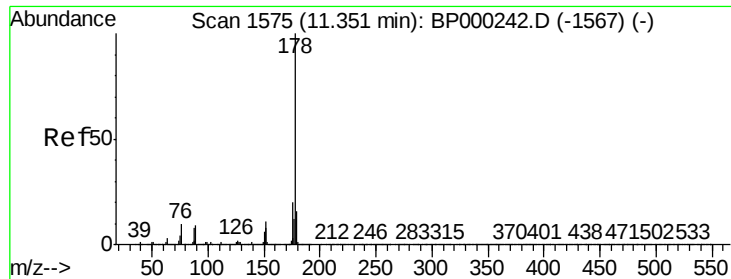
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#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.34 min Scan# 1573  
 Delta R.T. 0.01 min  
 Lab File: BP000423.D  
 Acq: 26 Sep 2019 15:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.7   | 8.5   | 12.7  |
| 80      | 9.6   | 8.6   | 13.0  |





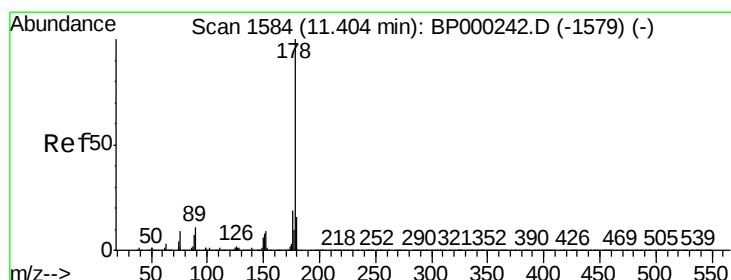
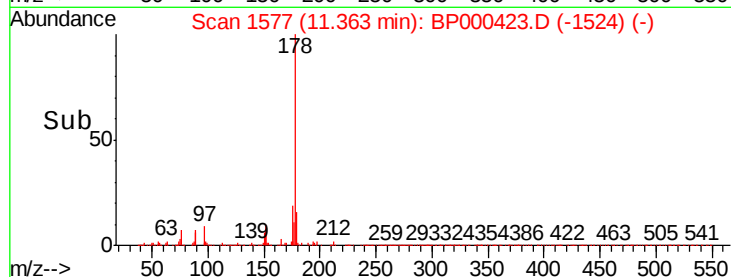
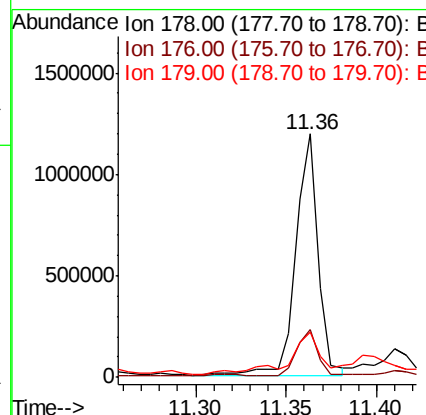
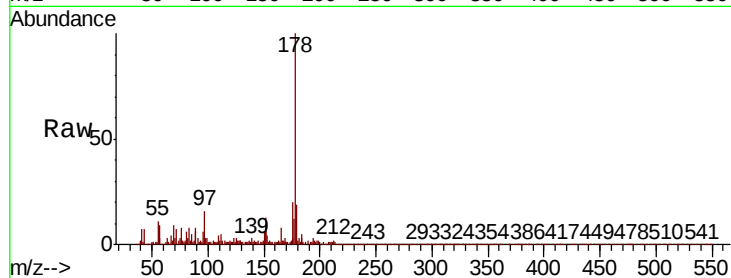
#71  
Phenanthrene  
Concen: 26.821 ng  
RT: 11.36 min Scan# 1577  
Delta R.T. 0.01 min  
Lab File: BP000423.D  
Acq: 26 Sep 2019 15:33

Instrument :  
BNA\_P  
ClientSampleId :  
TWP-9

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.6  | 15.8  | 23.8  |
| 179     | 18.8  | 12.7  | 19.1  |

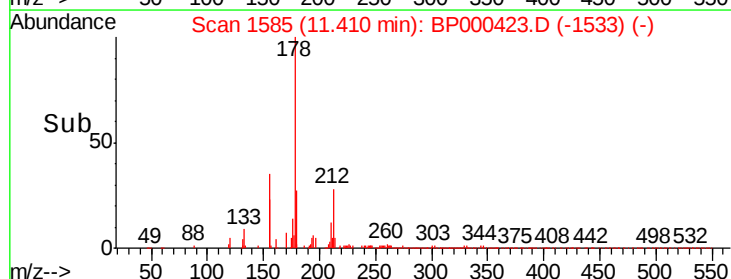
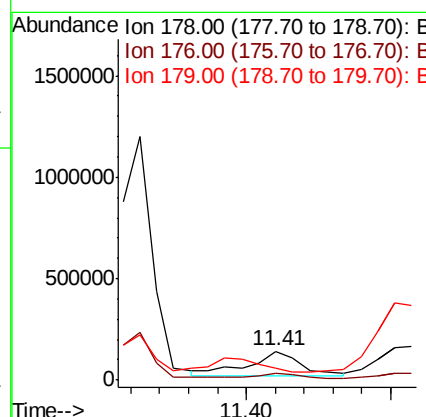
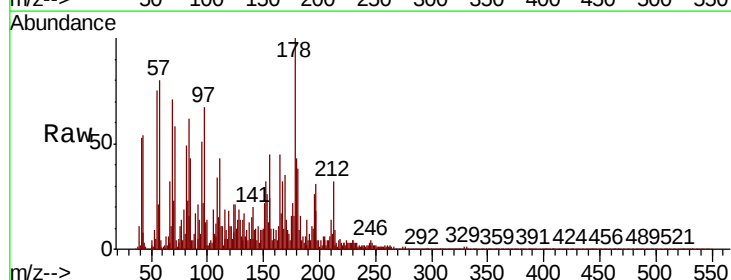
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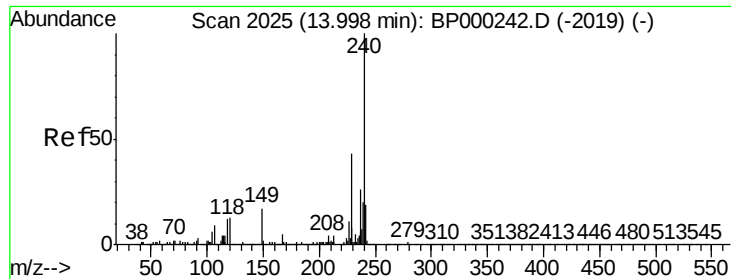
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#72  
Anthracene  
Concen: 3.833 ng m  
RT: 11.41 min Scan# 1585  
Delta R.T. 0.01 min  
Lab File: BP000423.D  
Acq: 26 Sep 2019 15:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 21.9  | 15.4  | 23.0  |
| 179     | 43.5  | 12.7  | 19.1# |





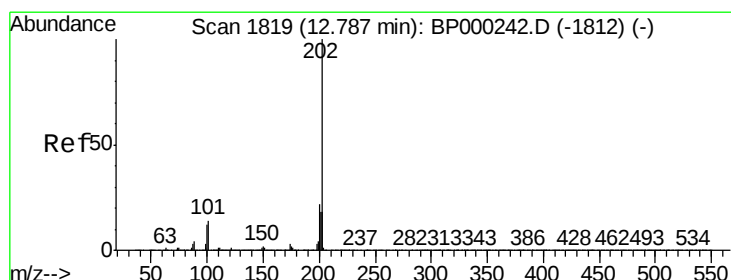
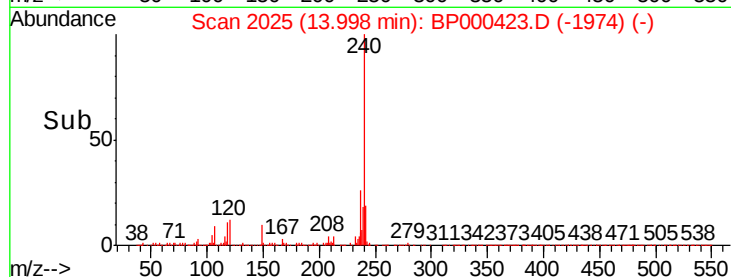
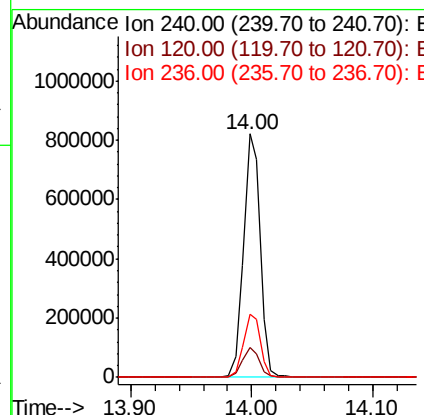
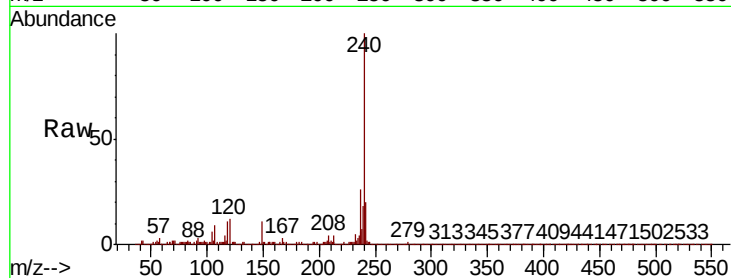
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.00 min Scan# 2025  
Delta R.T. -0.00 min  
Lab File: BP000423.D  
Acq: 26 Sep 2019 15:33

Instrument :  
BNA\_P  
ClientSampled :  
TWP-9

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 12.5  | 10.4  | 15.6  |
| 236     | 25.7  | 21.0  | 31.6  |

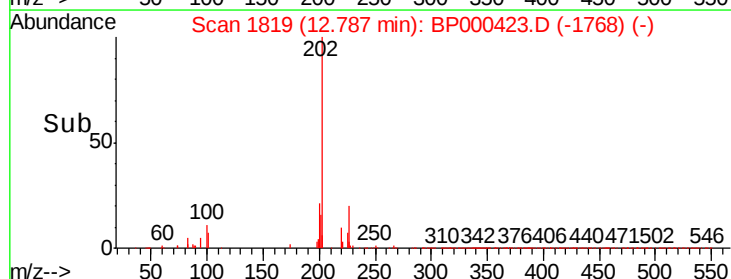
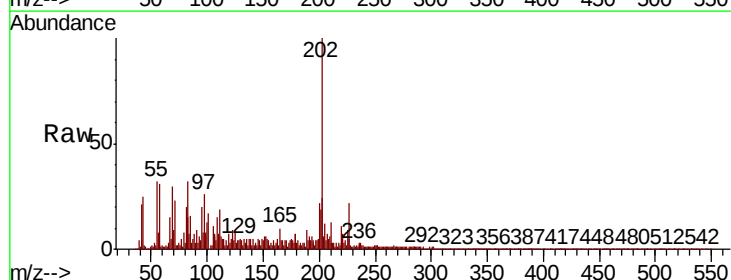
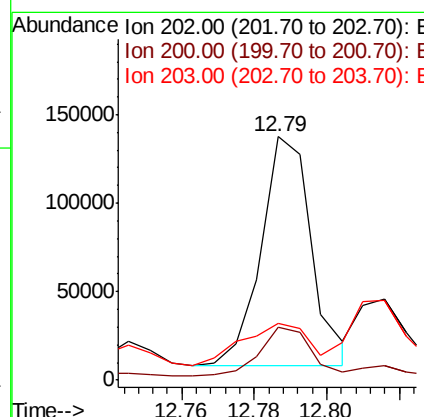
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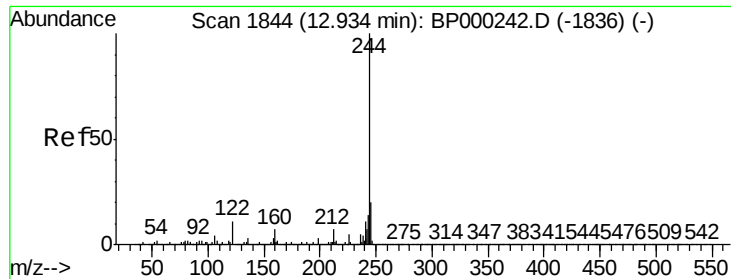
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#78  
Pyrene  
Concen: 2.113 ng  
RT: 12.79 min Scan# 1819  
Delta R.T. -0.00 min  
Lab File: BP000423.D  
Acq: 26 Sep 2019 15:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.7  | 17.5  | 26.3  |
| 203     | 23.6  | 14.3  | 21.5  |





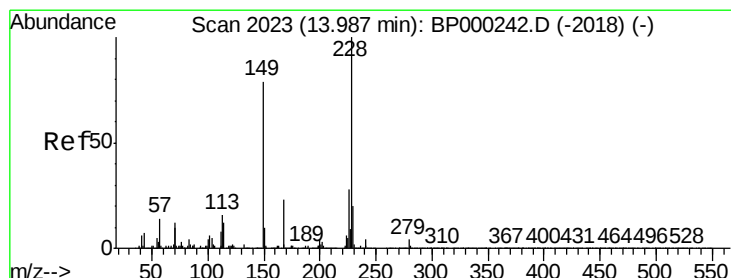
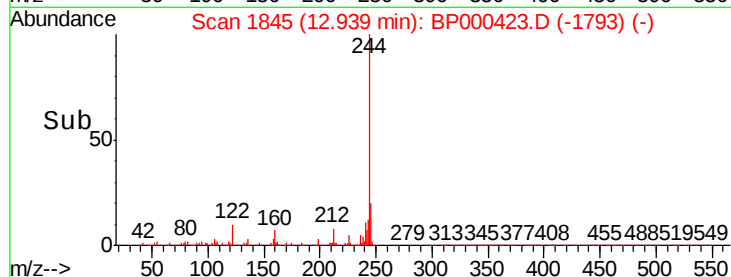
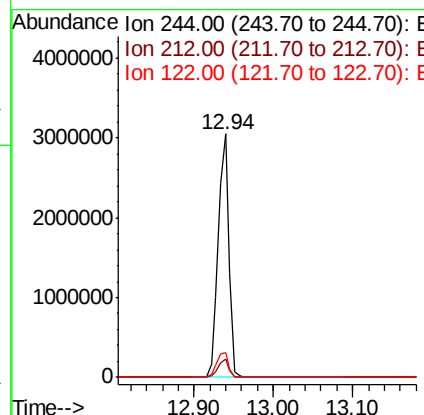
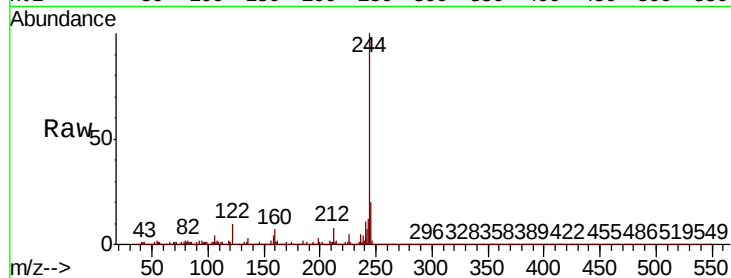
#79  
 Terphenyl-d14  
 Concen: 75.559 ng  
 RT: 12.94 min Scan# 1845  
 Delta R.T. 0.01 min  
 Lab File: BP000423.D  
 Acq: 26 Sep 2019 15:33

Instrument :  
 BNA\_P  
 Client Sampled :  
 TWP-9

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.6   | 5.9   | 8.9   |
| 122     | 10.4  | 9.0   | 13.4  |

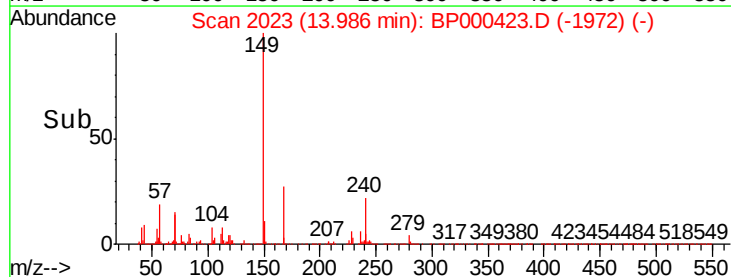
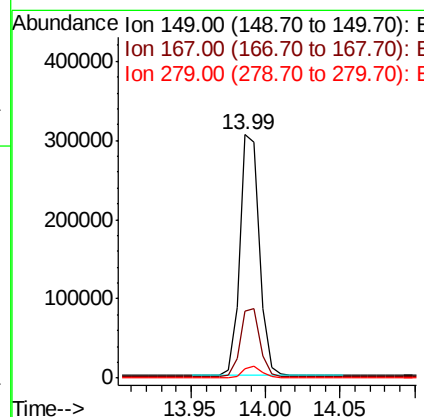
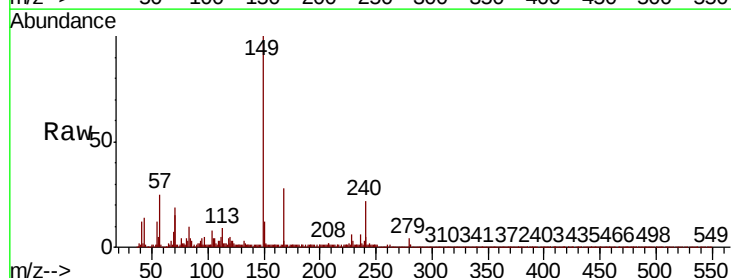
Manual Integrations  
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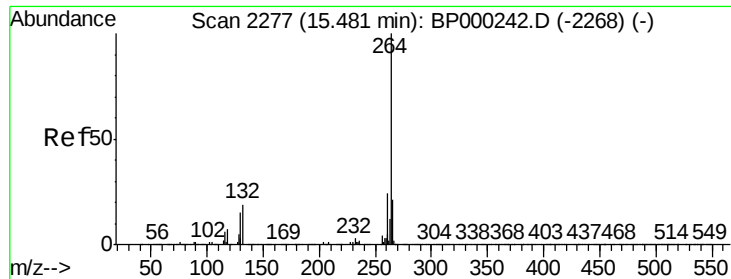
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#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 8.593 ng  
 RT: 13.99 min Scan# 2023  
 Delta R.T. -0.00 min  
 Lab File: BP000423.D  
 Acq: 26 Sep 2019 15:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 27.7  | 23.0  | 34.4  |
| 279     | 3.8   | 3.7   | 5.5   |





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.49 min Scan# 2278  
Delta R.T. 0.01 min  
Lab File: BP000423.D  
Acq: 26 Sep 2019 15:33

Instrument :  
BNA\_P  
ClientSampleId :  
TWP-9

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 264   | Resp: | 883493 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 23.6  | 18.9  | 28.3   |
| 265       | 21.6  | 17.2  | 25.8   |

Manual Integrations  
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