

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP052920\  
 Data File : BP002329.D  
 Acq On : 29 May 2020 23:09  
 Operator : CG/JU  
 Sample : L2776-06  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 339

Manual Integrations  
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mohammad  
 6/1/2020 12:24:38 PM

Quant Time: May 30 10:01:04 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP052720.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 29 15:09:03 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.60  | 152  | 319328   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.38 | 136  | 1308200  | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.25 | 164  | 773840   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.01 | 188  | 1592390  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.11 | 240  | 1353534  | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 23.32 | 264  | 1372387  | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.23  | 112  | 2069601  | 121.72 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.79  | 99   | 2855368  | 123.45 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 8.75  | 82   | 1874890  | 86.17  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 15.75 | 330  | 904004   | 123.26 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 12.87 | 172  | 3749478  | 85.50  | ng    | 0.00     |
| 79) Terphenyl-d14              | 19.60 | 244  | 4602954  | 82.36  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 50) Dimethylphthalate          | 13.72 | 163  | 684231   | 13.063 | ng    | 99       |
| 71) Phenanthrene               | 17.05 | 178  | 212205   | 2.813  | ng    | 99       |
| 75) Fluoranthene               | 19.03 | 202  | 445876   | 5.132  | ng    | 99       |
| 78) Pyrene                     | 19.39 | 202  | 451186   | 5.353  | ng    | 98       |
| 81) Benzo(a)anthracene         | 21.10 | 228  | 206831   | 2.669  | ng    | 93       |
| 83) Chrysene                   | 21.14 | 228  | 237520m  | 3.194  | ng    |          |
| 84) Bis(2-ethylhexyl)phthalate | 21.06 | 149  | 219767   | 4.286  | ng    | 98       |
| 88) Benzo(b)fluoranthene       | 22.66 | 252  | 301305m  | 4.027  | ng    |          |
| 90) Benzo(a)pyrene             | 23.22 | 252  | 197401   | 2.844  | ng    | # 94     |
| 92) Benzo(g,h,i)perylene       | 26.22 | 276  | 151261   | 2.141  | ng    | # 92     |

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

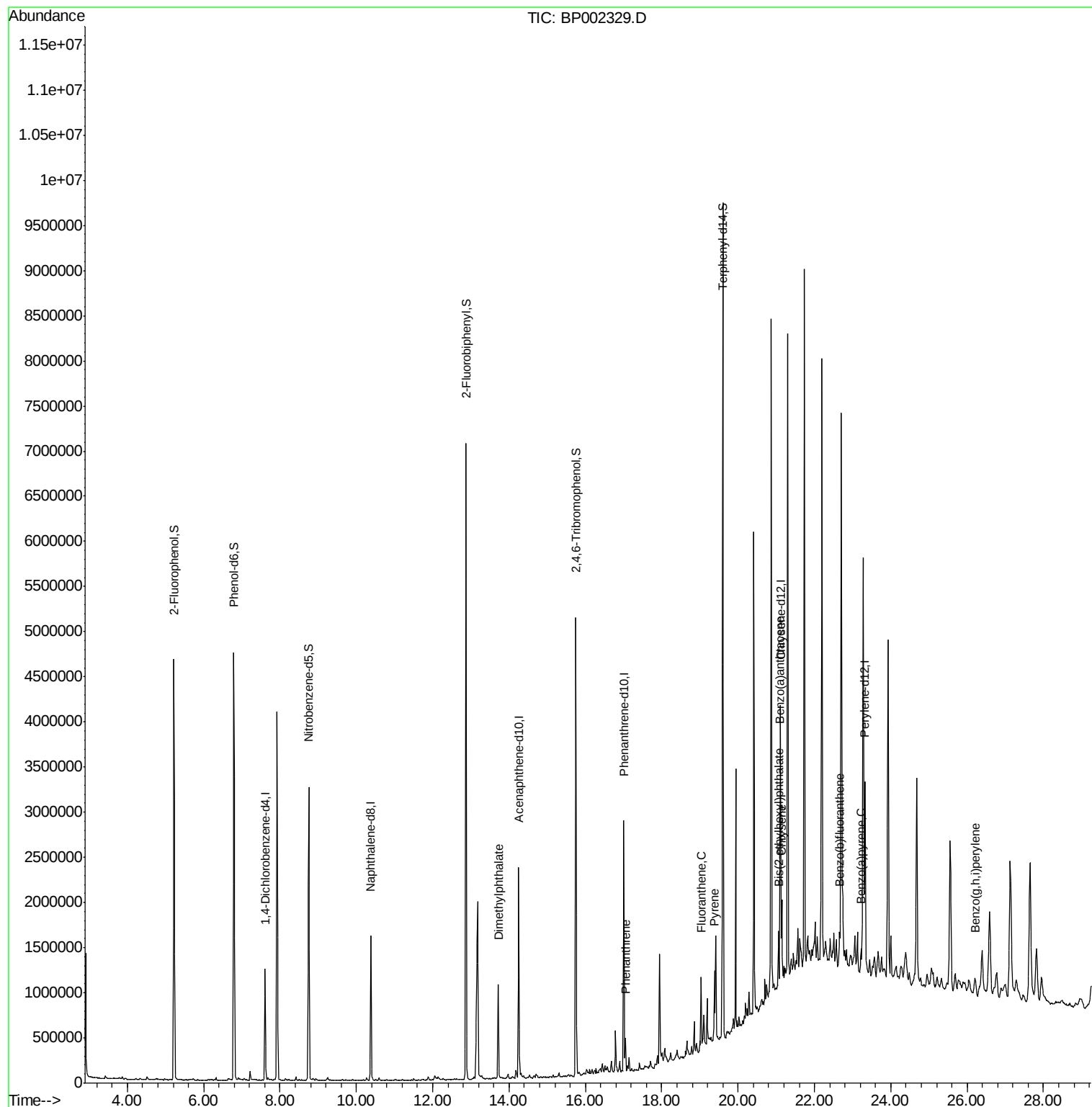
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP052920\  
Data File : BP002329.D  
Acq On : 29 May 2020 23:09  
Operator : CG/JU  
Sample : L2776-06  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

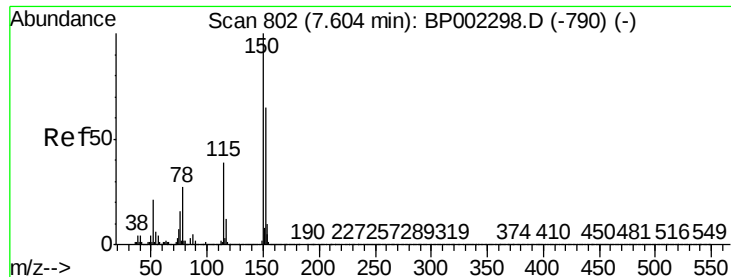
Instrument :  
BNA\_P  
ClientSampleId :  
339

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Quant Time: May 30 10:01:04 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP052720.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri May 29 15:09:03 2020  
Response via : Initial Calibration





#1

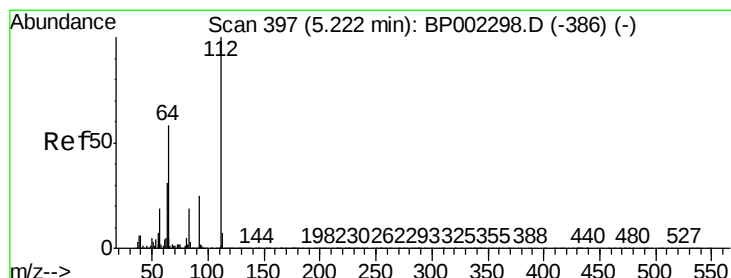
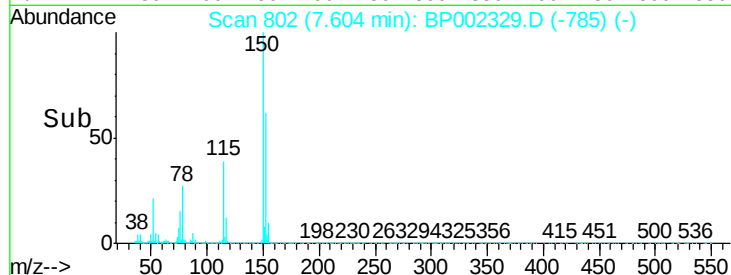
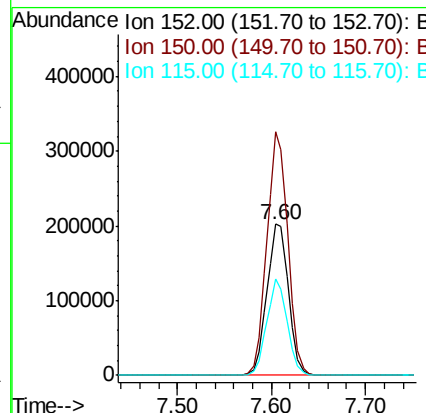
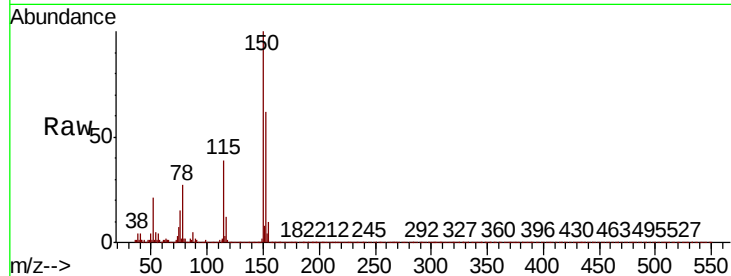
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.60 min Scan# 802  
Delta R.T. -0.00 min  
Lab File: BP002329.D  
Acq: 29 May 2020 23:09

Instrument :  
BNA\_P  
ClientSampleId :  
339

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 160.9 | 124.7 | 187.1 |
| 115     | 63.3  | 49.4  | 74.2  |

Manual Integrations  
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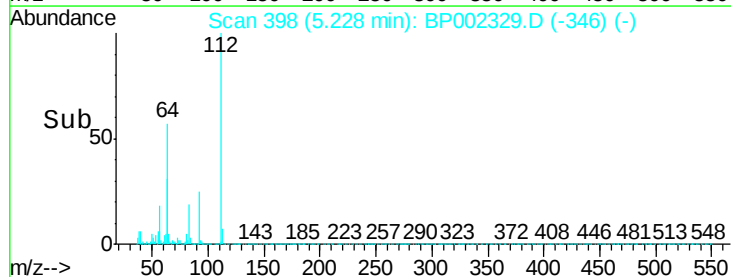
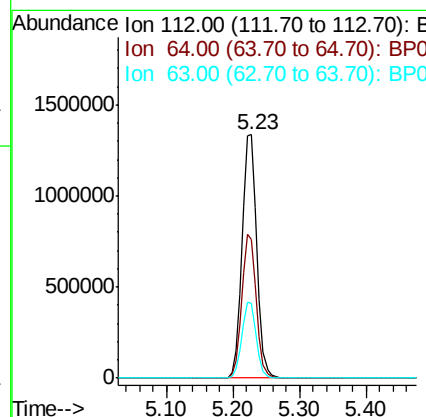
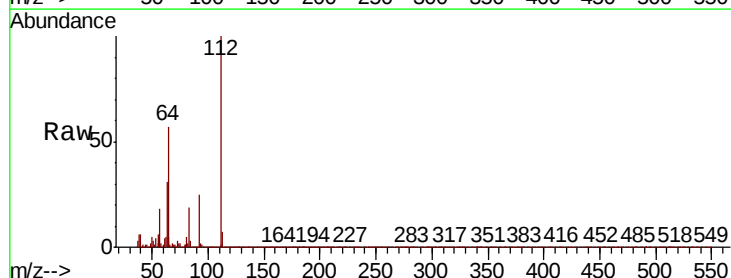
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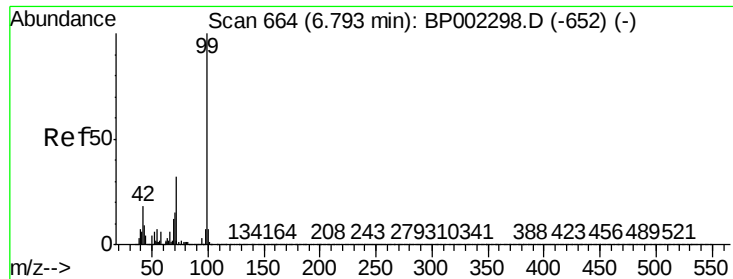


#5

2-Fluorophenol  
Concen: 121.724 ng  
RT: 5.23 min Scan# 398  
Delta R.T. 0.01 min  
Lab File: BP002329.D  
Acq: 29 May 2020 23:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 57.0  | 47.0  | 70.4  |
| 63      | 30.5  | 24.0  | 36.0  |





#7

Phenol-d6

Concen: 123.455 ng

RT: 6.79 min Scan# 664

Delta R.T. -0.00 min

Lab File: BP002329.D

Acq: 29 May 2020 23:09

Instrument :

BNA\_P

ClientSampleId :

339

Tot Ion: 99 Resp: 2855368

Ion Ratio Lower Upper

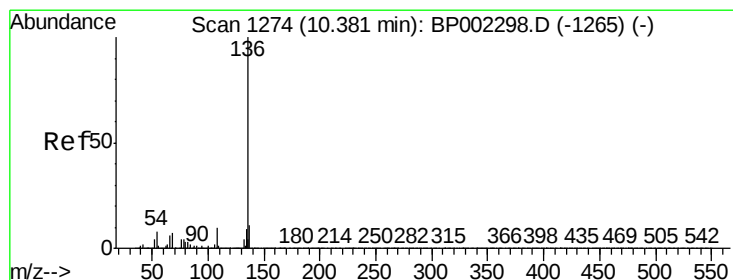
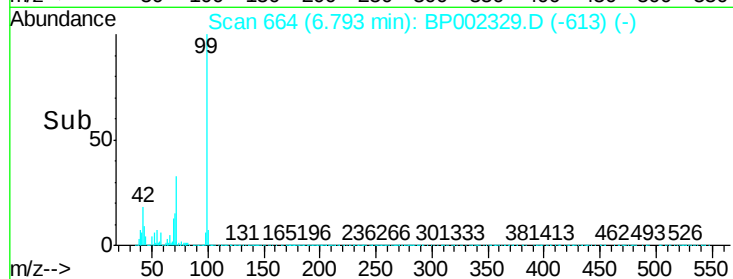
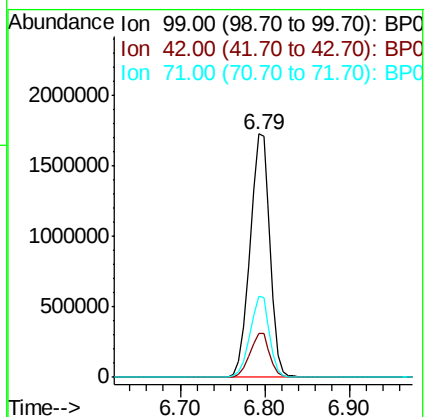
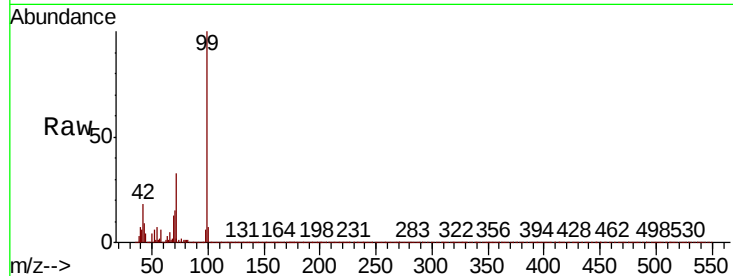
99 100

42 18.1 13.9 20.9

71 33.2 25.8 38.8

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.38 min Scan# 1274

Delta R.T. -0.00 min

Lab File: BP002329.D

Acq: 29 May 2020 23:09

Tgt Ion: 136 Resp: 1308200

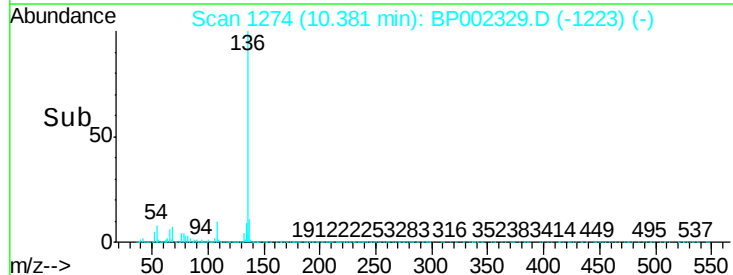
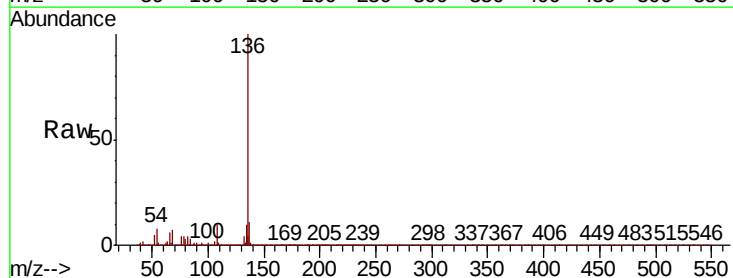
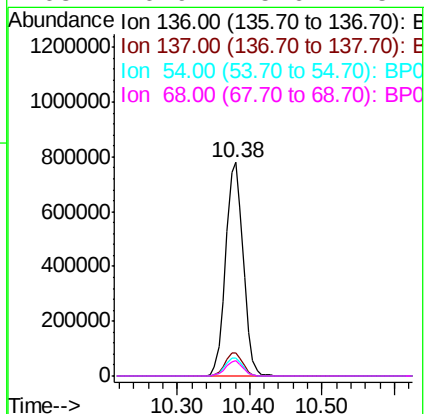
Ion Ratio Lower Upper

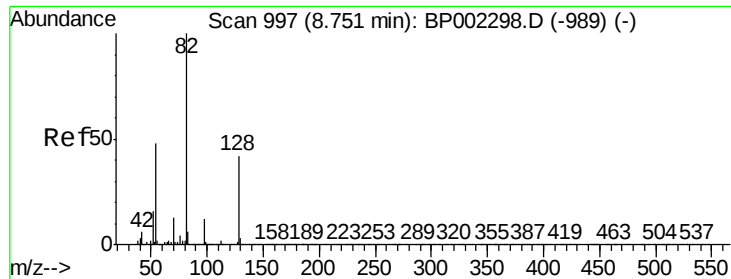
136 100

137 11.1 8.8 13.2

54 8.3 6.9 10.3

68 6.9 5.6 8.4





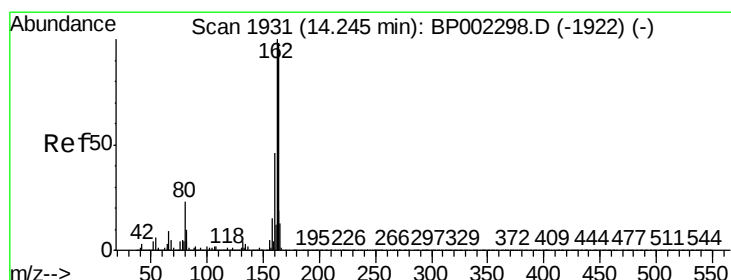
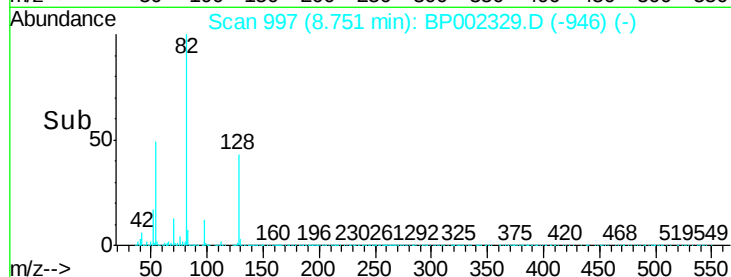
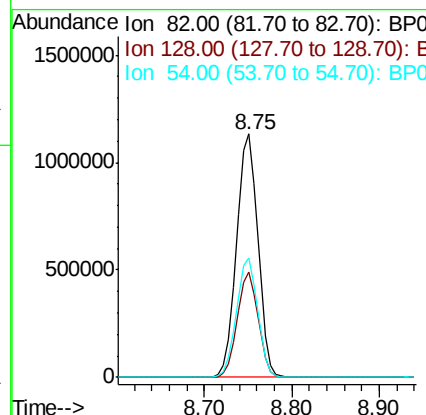
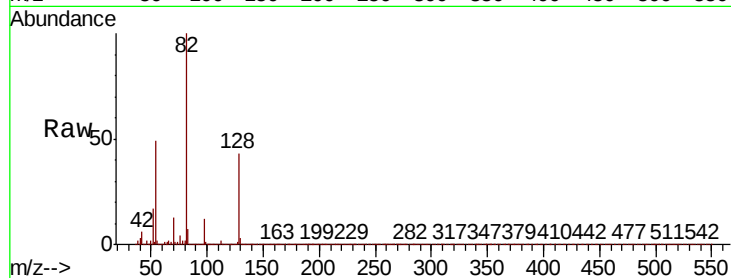
#23  
 Nitrobenzene-d5  
 Concen: 86.166 ng  
 RT: 8.75 min Scan# 997  
 Delta R.T. -0.00 min  
 Lab File: BP002329.D  
 Acq: 29 May 2020 23:09

Instrument :  
 BNA\_P  
 ClientSampled :  
 339

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 82    | Resp: | 1874890 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 43.2  | 33.4  | 50.0    |
| 54       | 49.2  | 38.3  | 57.5    |

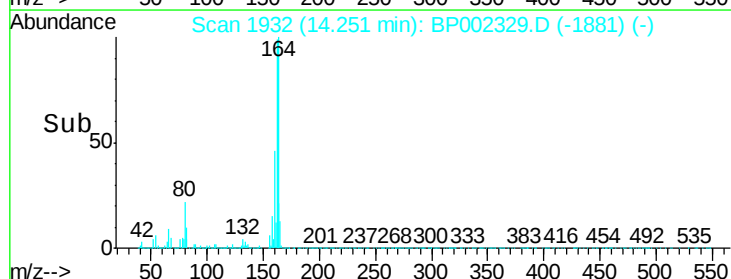
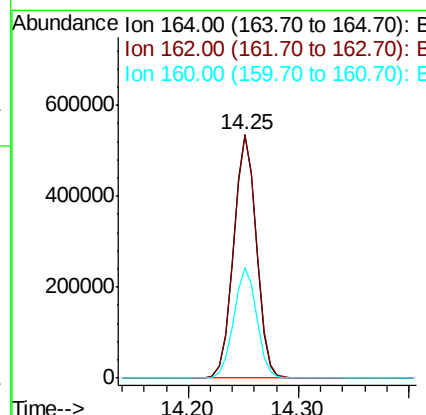
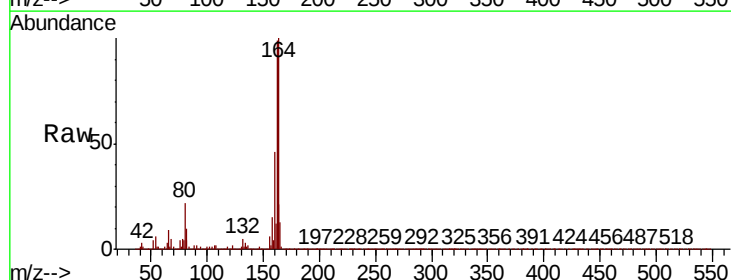
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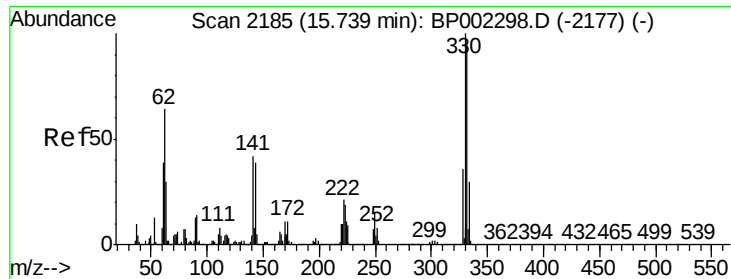
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#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.25 min Scan# 1932  
 Delta R.T. -0.00 min  
 Lab File: BP002329.D  
 Acq: 29 May 2020 23:09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 773840 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 162      | 99.4  | 81.3  | 121.9  |
| 160      | 45.5  | 37.2  | 55.8   |





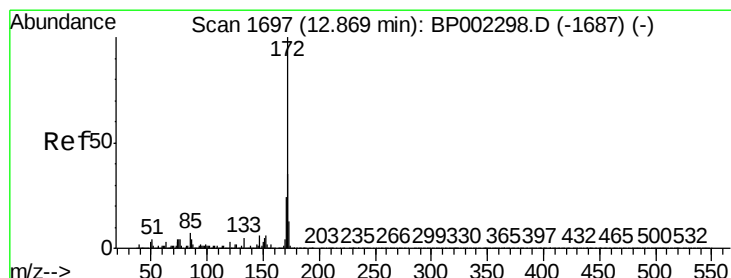
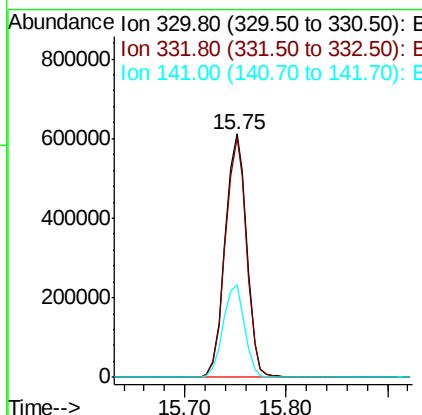
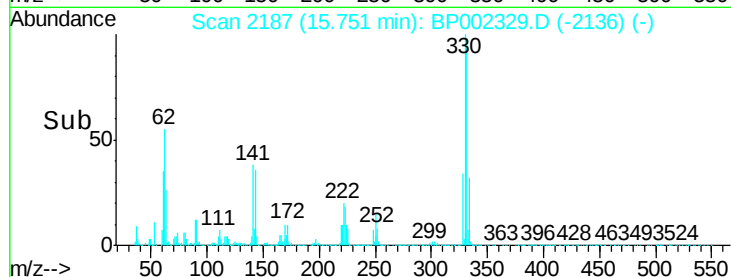
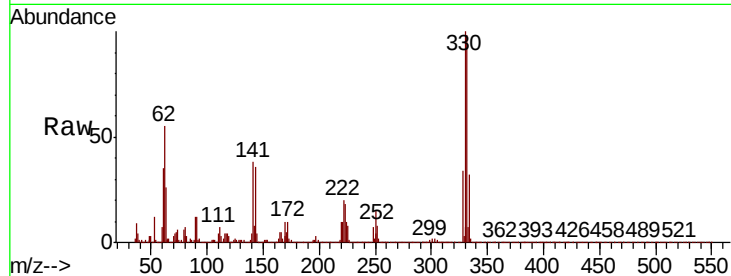
#42  
2,4,6-Tribromophenol  
Concen: 123.260 ng  
RT: 15.75 min Scan# 2187  
Delta R.T. -0.00 min  
Lab File: BP002329.D  
Acq: 29 May 2020 23:09

Instrument :  
BNA\_P  
ClientSampled :  
339

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 904004 |       |       |
| 332     | 96.9  | 76.9   | 115.3 |       |
| 141     | 37.9  | 31.4   | 47.2  |       |

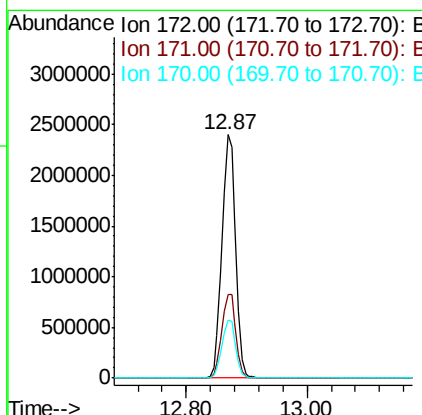
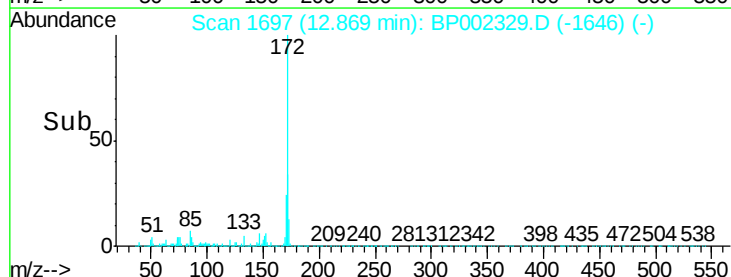
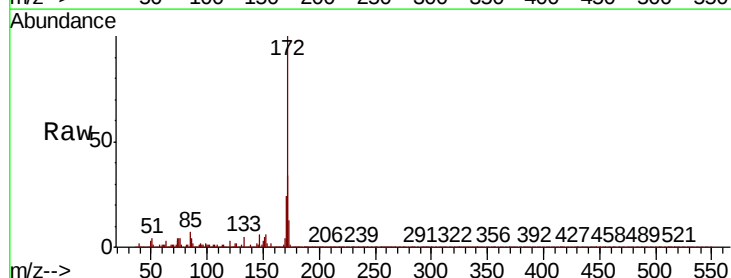
Manual Integrations  
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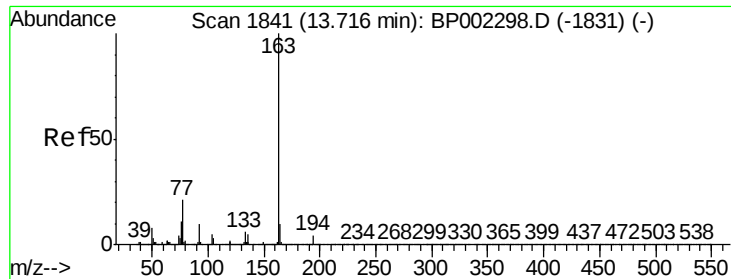
mohammad  
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#45  
2-Fluorobiphenyl  
Concen: 85.497 ng  
RT: 12.87 min Scan# 1697  
Delta R.T. -0.00 min  
Lab File: BP002329.D  
Acq: 29 May 2020 23:09

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 172     | 100   | 3749478 |       |       |
| 171     | 34.2  | 27.6    | 41.4  |       |
| 170     | 23.9  | 18.9    | 28.3  |       |





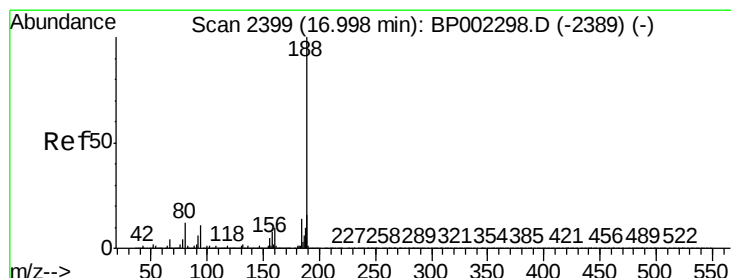
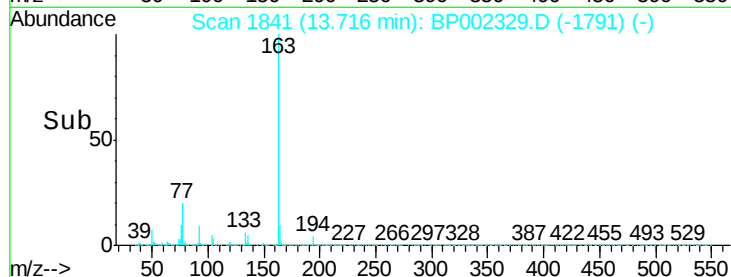
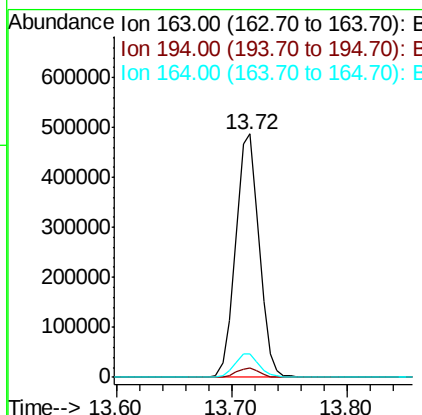
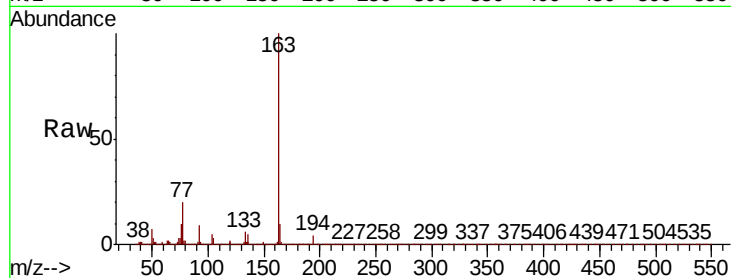
#50  
Dimethylphthalate  
Concen: 13.063 ng  
RT: 13.72 min Scan# 1841  
Delta R.T. -0.01 min  
Lab File: BP002329.D  
Acq: 29 May 2020 23:09

Instrument :  
BNA\_P  
ClientSampleId :  
339

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.0   | 3.2   | 4.8   |
| 164     | 9.8   | 8.1   | 12.1  |

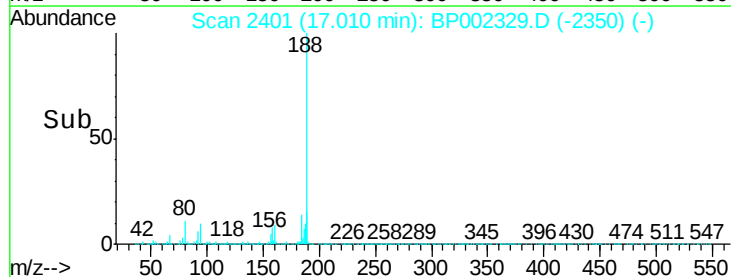
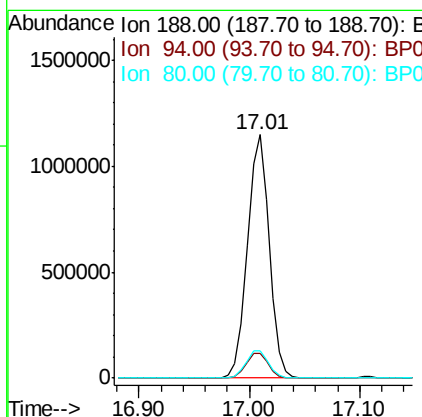
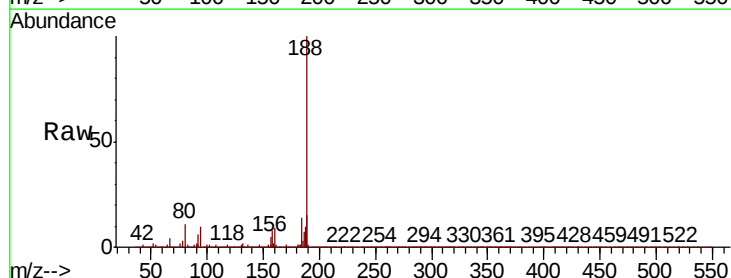
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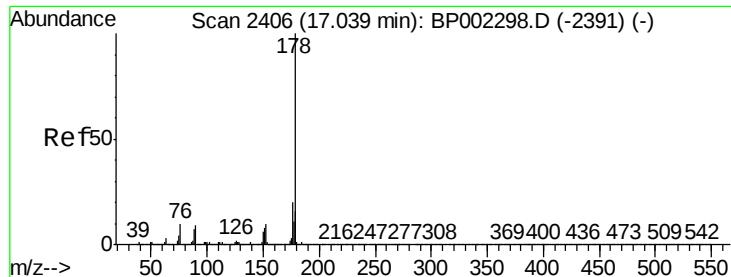
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#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.01 min Scan# 2401  
Delta R.T. -0.00 min  
Lab File: BP002329.D  
Acq: 29 May 2020 23:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.1  | 8.7   | 13.1  |
| 80      | 11.3  | 9.3   | 13.9  |





#71

Phenanthrene

Concen: 2.813 ng

RT: 17.05 min Scan# 2408

Delta R.T. -0.00 min

Lab File: BP002329.D

Acq: 29 May 2020 23:09

Instrument :

BNA\_P

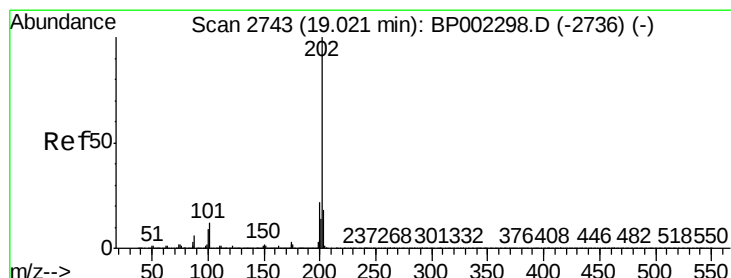
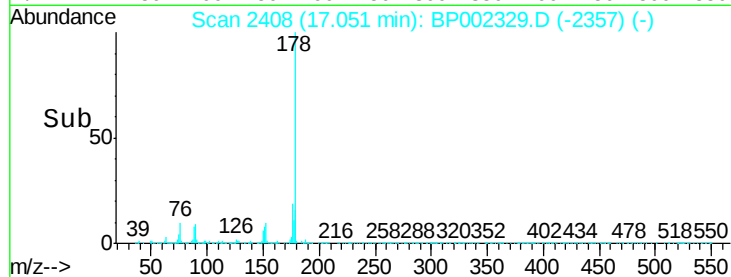
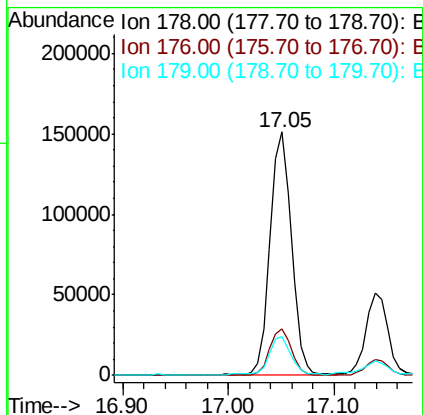
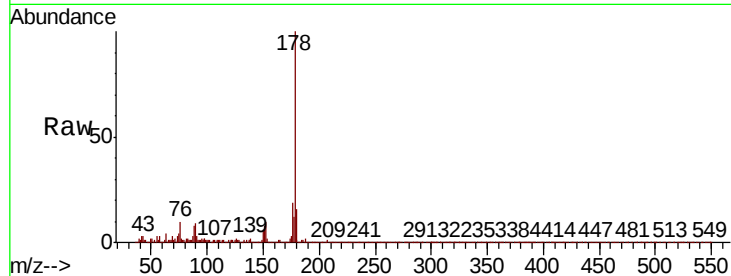
ClientSampled :

339

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 178   | Resp: | 212205 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 19.1  | 15.8  | 23.8   |
| 179       | 16.1  | 12.6  | 18.8   |

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#75

Fluoranthene

Concen: 5.132 ng

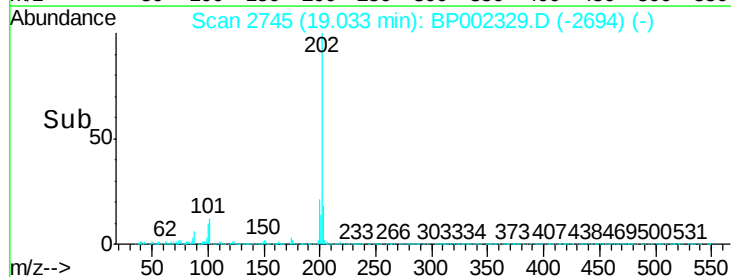
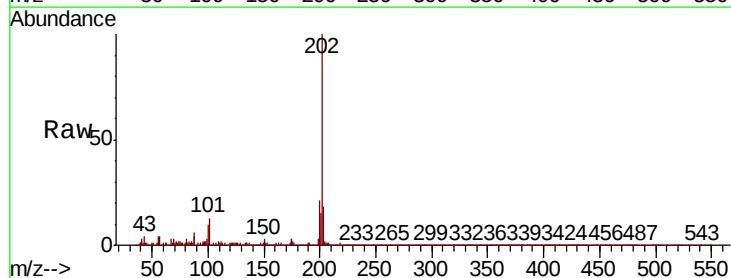
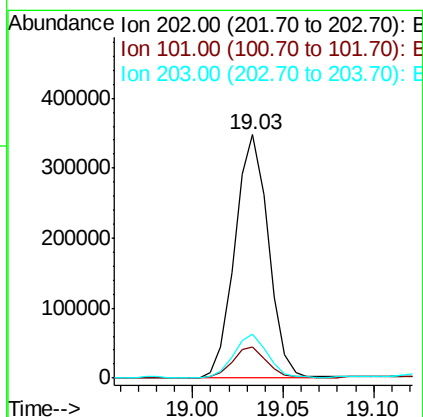
RT: 19.03 min Scan# 2745

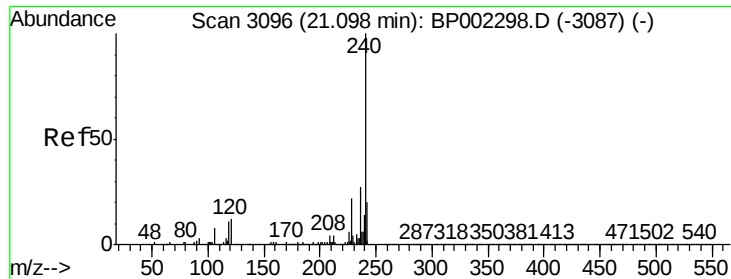
Delta R.T. -0.00 min

Lab File: BP002329.D

Acq: 29 May 2020 23:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 445876 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 12.6  | 0.0   | 32.1   |
| 203       | 18.1  | 0.0   | 37.6   |





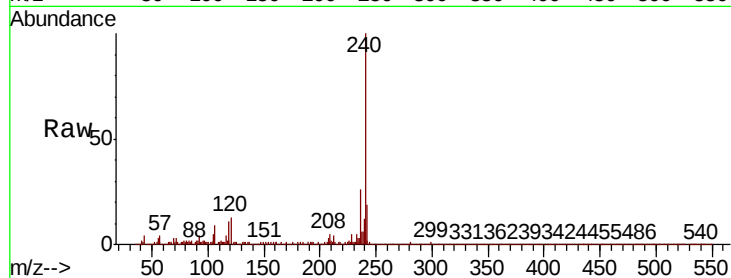
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.11 min Scan# 3098  
Delta R.T. -0.00 min  
Lab File: BP002329.D  
Acq: 29 May 2020 23:09

Instrument :  
BNA\_P  
ClientSampled :  
339

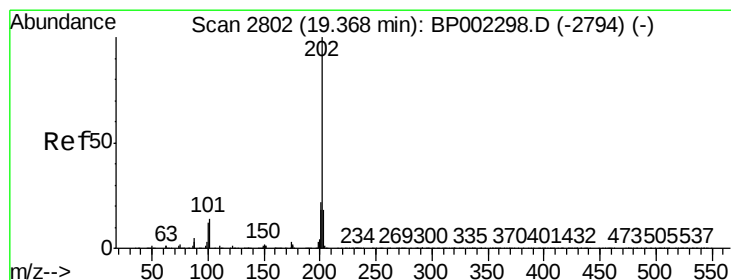
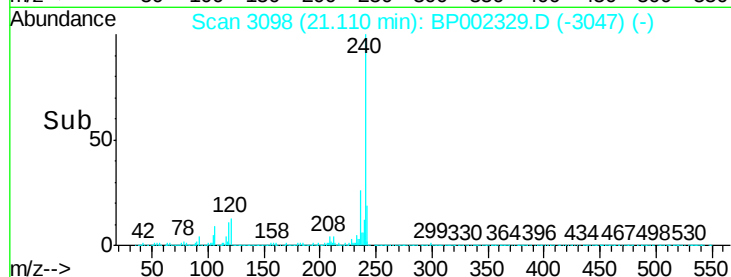
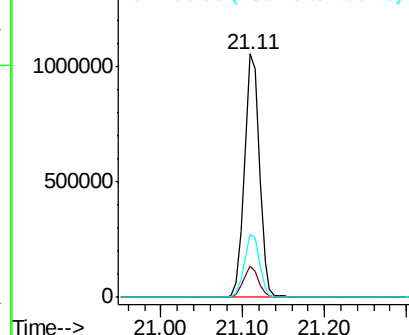
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 12.9  | 8.7   | 13.1  |
| 236     | 26.0  | 21.0  | 31.4  |

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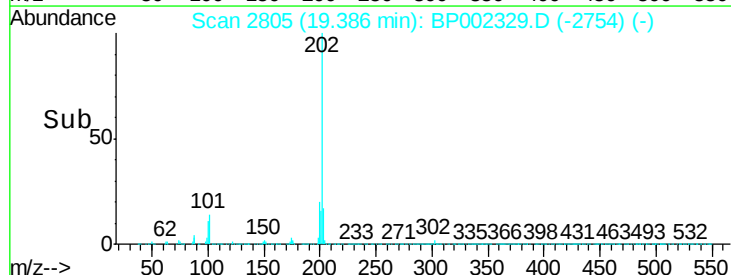
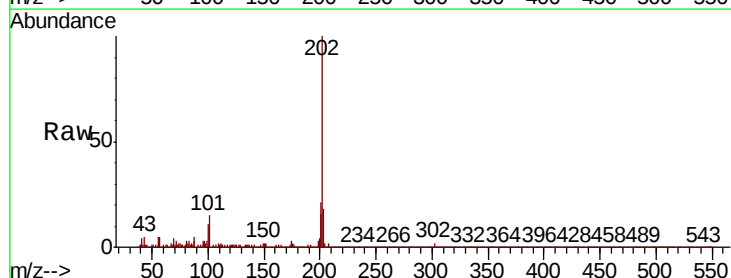
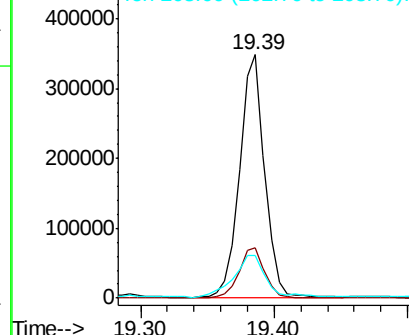
Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

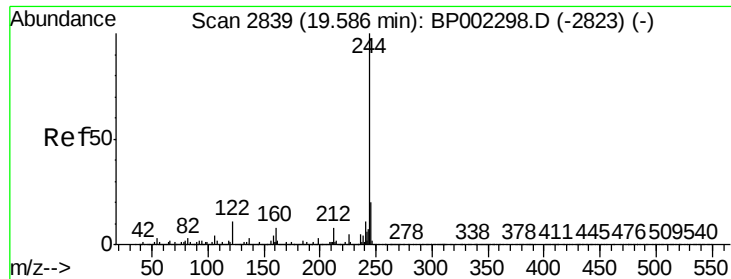


#78  
Pyrene  
Concen: 5.353 ng  
RT: 19.39 min Scan# 2805  
Delta R.T. -0.00 min  
Lab File: BP002329.D  
Acq: 29 May 2020 23:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.6  | 17.3  | 25.9  |
| 203     | 17.7  | 13.8  | 20.6  |

Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 82.355 ng

RT: 19.60 min Scan# 2841

Delta R.T. -0.00 min

Lab File: BP002329.D

Acq: 29 May 2020 23:09

Instrument :

BNA\_P

ClientSampleId :

339

Tot Ion:244 Resp: 4602954

Ion Ratio Lower Upper

244 100

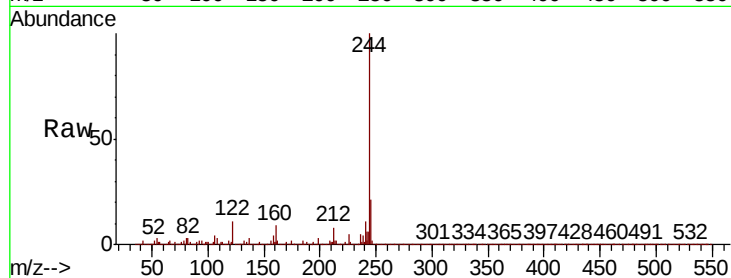
212 8.1 6.4 9.6

122 11.2 9.4 14.0

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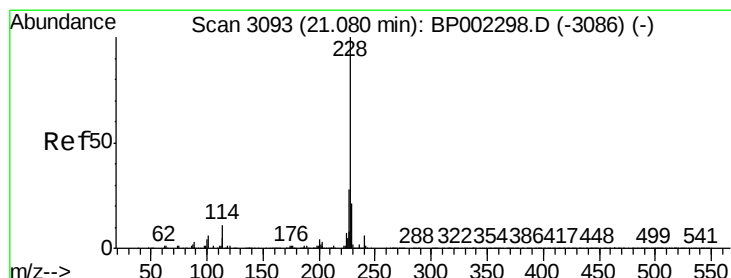
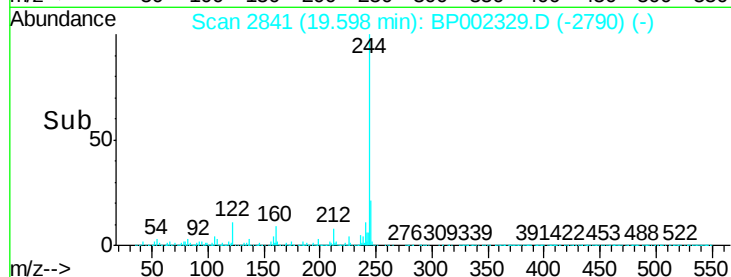
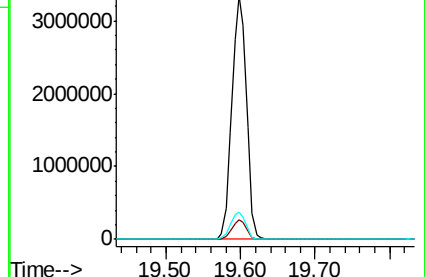
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 2.669 ng

RT: 21.10 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BP002329.D

Acq: 29 May 2020 23:09

Tgt Ion:228 Resp: 206831

Ion Ratio Lower Upper

228 100

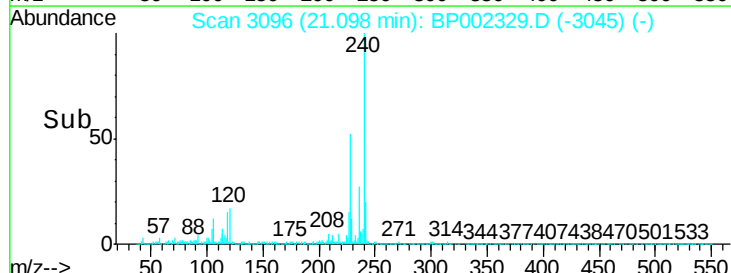
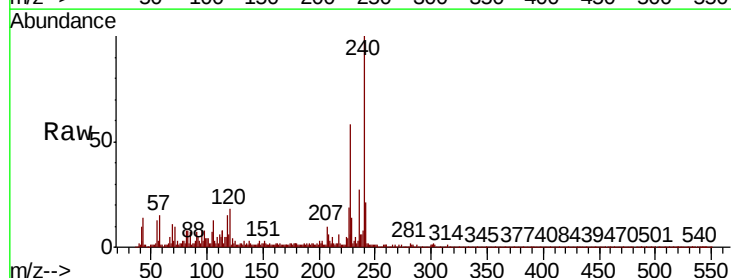
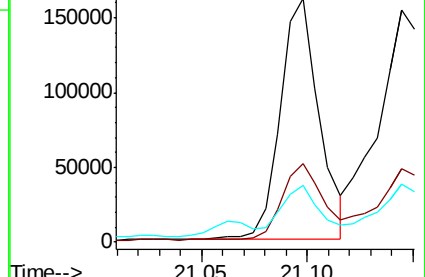
226 32.2 22.7 34.1

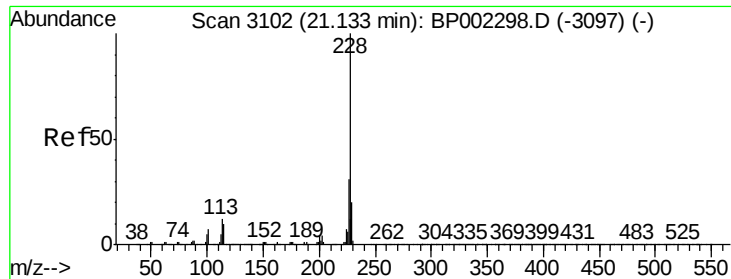
229 23.5 16.3 24.5

Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





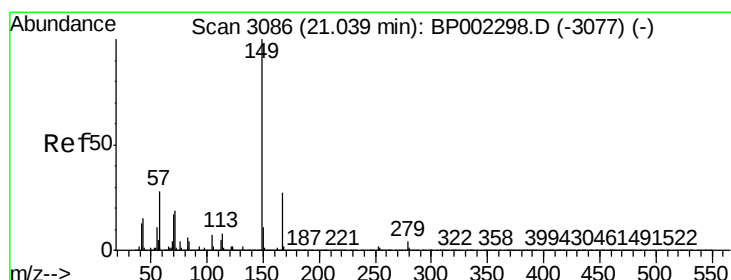
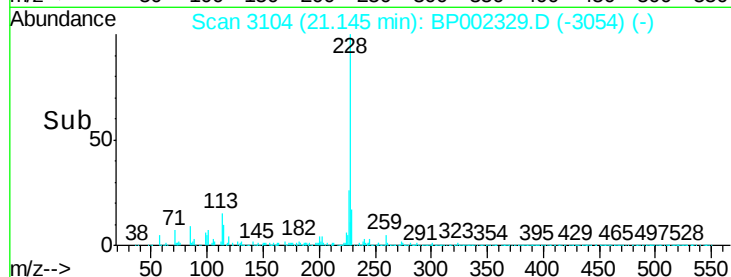
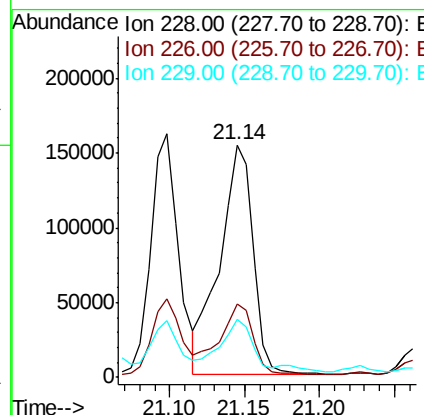
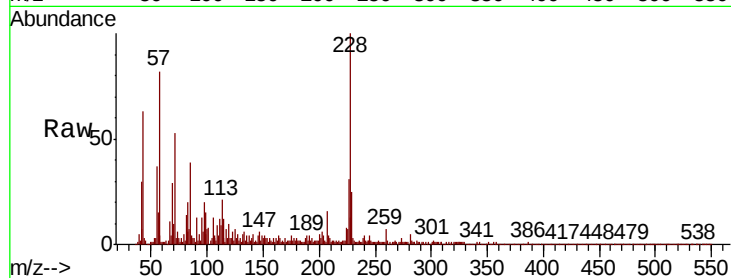
#83  
Chrysene  
Concen: 3.194 ng/mL  
RT: 21.14 min Scan# 3104  
Delta R.T. -0.01 min  
Lab File: BP002329.D  
Acq: 29 May 2020 23:09

Instrument :  
BNA\_P  
ClientSampleId :  
339

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.4  | 25.0  | 37.6  |
| 229     | 25.0  | 16.2  | 24.4  |

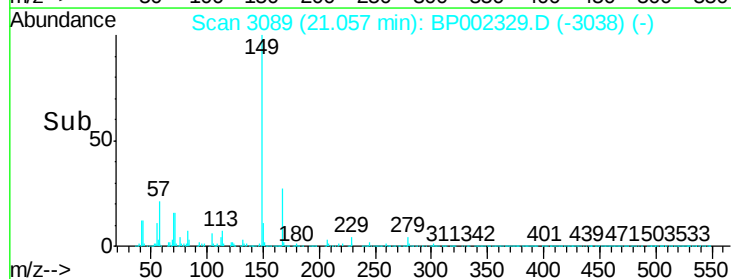
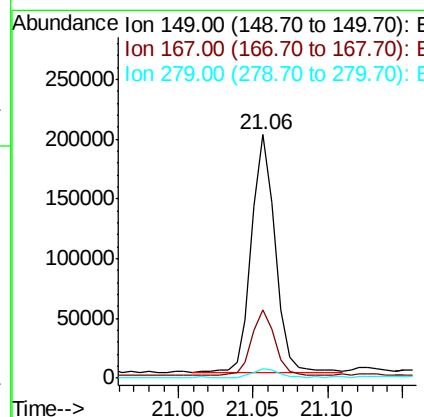
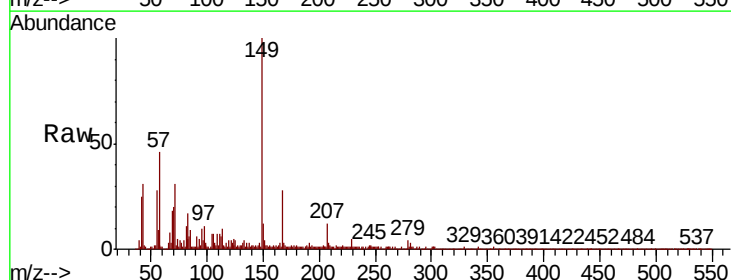
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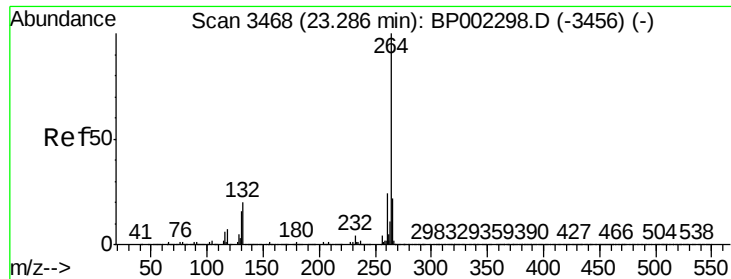
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#84  
Bis(2-ethylhexyl)phthalate  
Concen: 4.286 ng/mL  
RT: 21.06 min Scan# 3089  
Delta R.T. -0.00 min  
Lab File: BP002329.D  
Acq: 29 May 2020 23:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 27.9  | 23.0  | 34.6  |
| 279     | 3.9   | 3.9   | 5.9   |





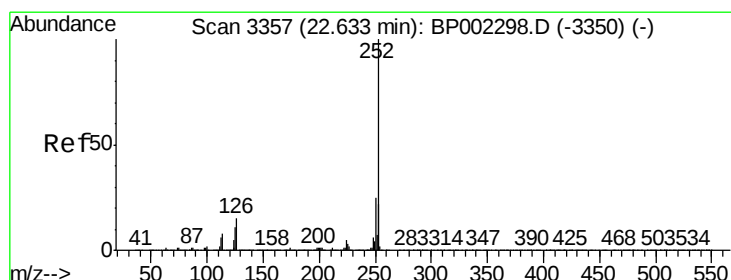
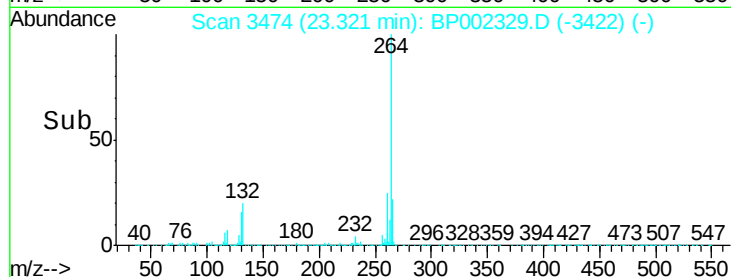
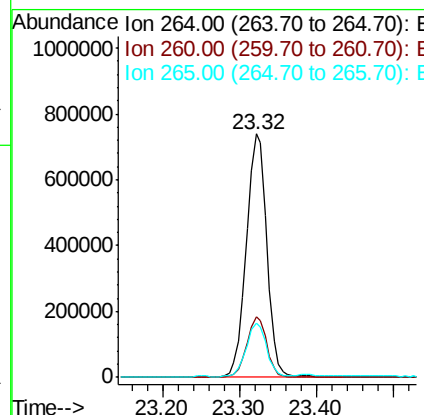
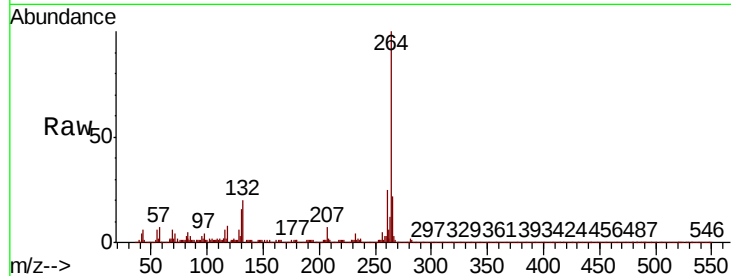
#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 23.32 min Scan# 3474  
Delta R.T. 0.01 min  
Lab File: BP002329.D  
Acq: 29 May 2020 23:09

Instrument :  
BNA\_P  
ClientSampled :  
339

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.0  | 19.4  | 29.2  |
| 265     | 22.3  | 17.8  | 26.6  |

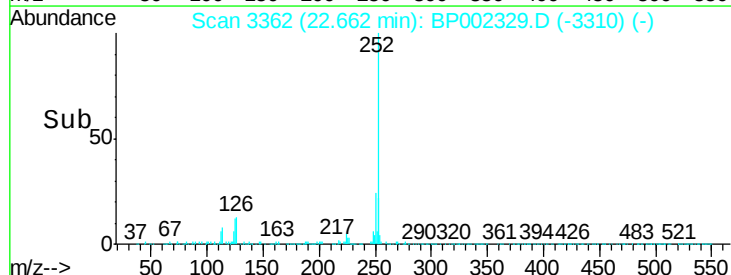
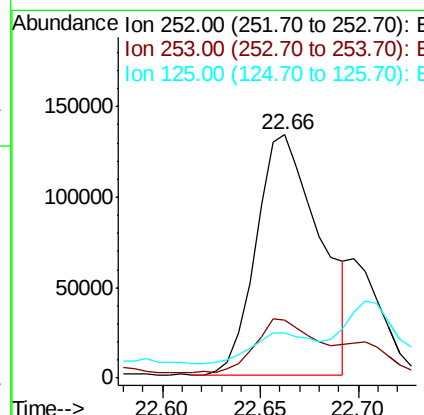
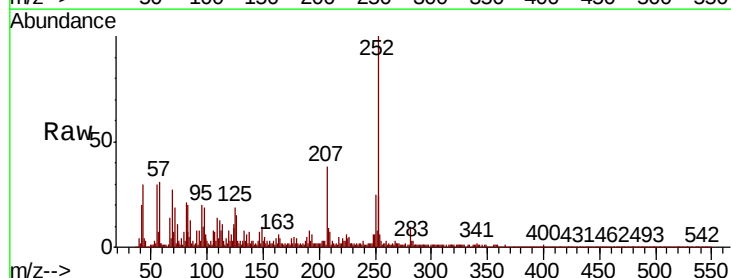
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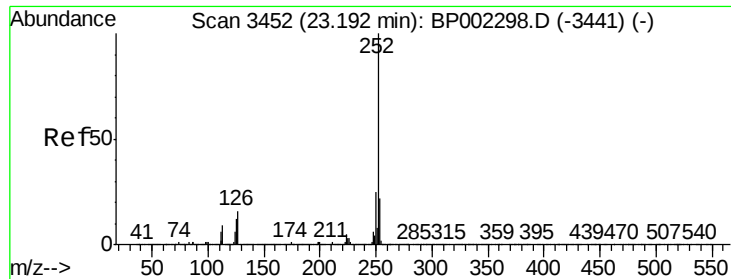
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#88  
Benzo(b)fluoranthene  
Concen: 4.027 ng m  
RT: 22.66 min Scan# 3362  
Delta R.T. 0.01 min  
Lab File: BP002329.D  
Acq: 29 May 2020 23:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.8  | 18.2  | 27.2  |
| 125     | 18.6  | 7.2   | 10.8  |





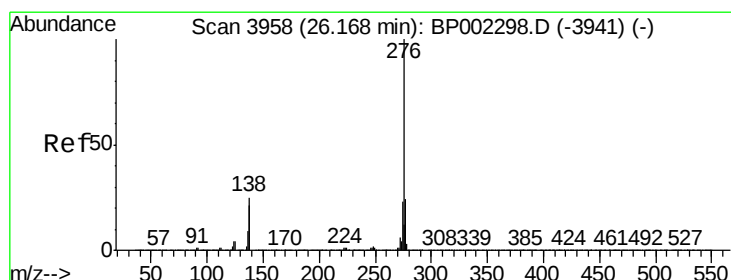
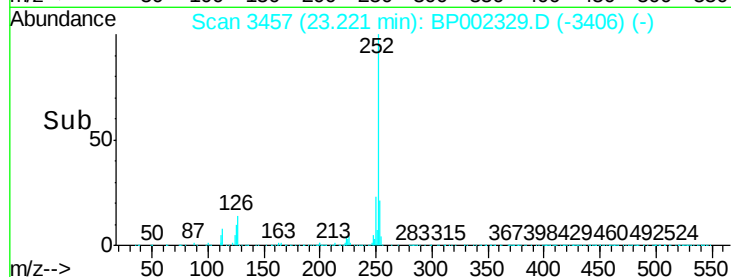
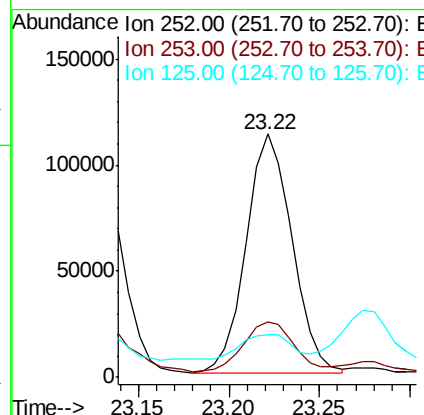
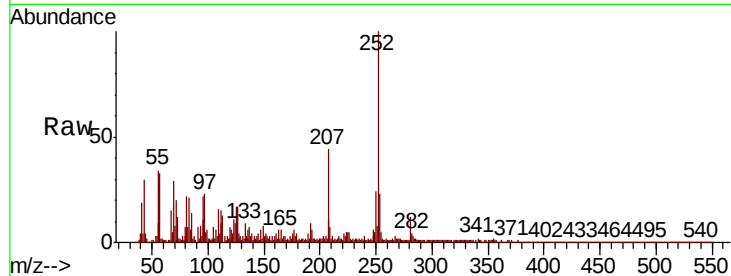
#90  
Benzo(a)pyrene  
Concen: 2.844 ng  
RT: 23.22 min Scan# 3457  
Delta R.T. -0.00 min  
Lab File: BP002329.D  
Acq: 29 May 2020 23:09

Instrument :  
BNA\_P  
ClientSampled :  
339

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.6  | 18.0  | 27.0  |
| 125     | 17.4  | 8.4   | 12.6  |

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#92  
Benzo(g,h,i)perylene  
Concen: 2.141 ng  
RT: 26.22 min Scan# 3966  
Delta R.T. -0.00 min  
Lab File: BP002329.D  
Acq: 29 May 2020 23:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.6  | 18.6  | 28.0  |
| 138     | 27.8  | 16.0  | 24.0  |

