

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072120\  
 Data File : BP002817.D  
 Acq On : 21 Jul 2020 16:54  
 Operator : CG/JU  
 Sample : L3360-03  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SP-2

Manual Integrations  
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 7/24/2020 12:10:24 PM

Quant Time: Jul 21 17:54:59 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 13 10:54:03 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.55  | 152  | 122273   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.32 | 136  | 435236   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10        | 14.20 | 164  | 258058   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10        | 16.96 | 188  | 583284   | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12            | 21.07 | 240  | 637812   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 23.26 | 264  | 685850   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.18  | 112  | 133310   | 18.39 | ng    | 0.00     |
| 7) Phenol-d6                | 6.75  | 99   | 510738   | 49.38 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.69  | 82   | 438453   | 53.88 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 15.70 | 330  | 49185    | 18.26 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.81 | 172  | 886820   | 53.16 | ng    | -0.01    |
| 79) Terphenyl-d14           | 19.55 | 244  | 1366855  | 49.13 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 50) Dimethylphthalate       | 13.66 | 163  | 138653   | 7.045 | ng    | 99       |
| 71) Phenanthrene            | 17.00 | 178  | 73887    | 2.340 | ng    | 99       |
| 75) Fluoranthene            | 18.99 | 202  | 142603   | 3.897 | ng    | 97       |
| 78) Pyrene                  | 19.34 | 202  | 144495   | 3.281 | ng    | 99       |
| 81) Benzo(a)anthracene      | 21.06 | 228  | 86670    | 2.099 | ng    | 94       |
| 83) Chrysene                | 21.10 | 228  | 90596m   | 2.305 | ng    |          |
| 88) Benzo(b)fluoranthene    | 22.61 | 252  | 112854m  | 2.650 | ng    |          |
| 90) Benzo(a)pyrene          | 23.17 | 252  | 82406    | 2.042 | ng    | # 83     |

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

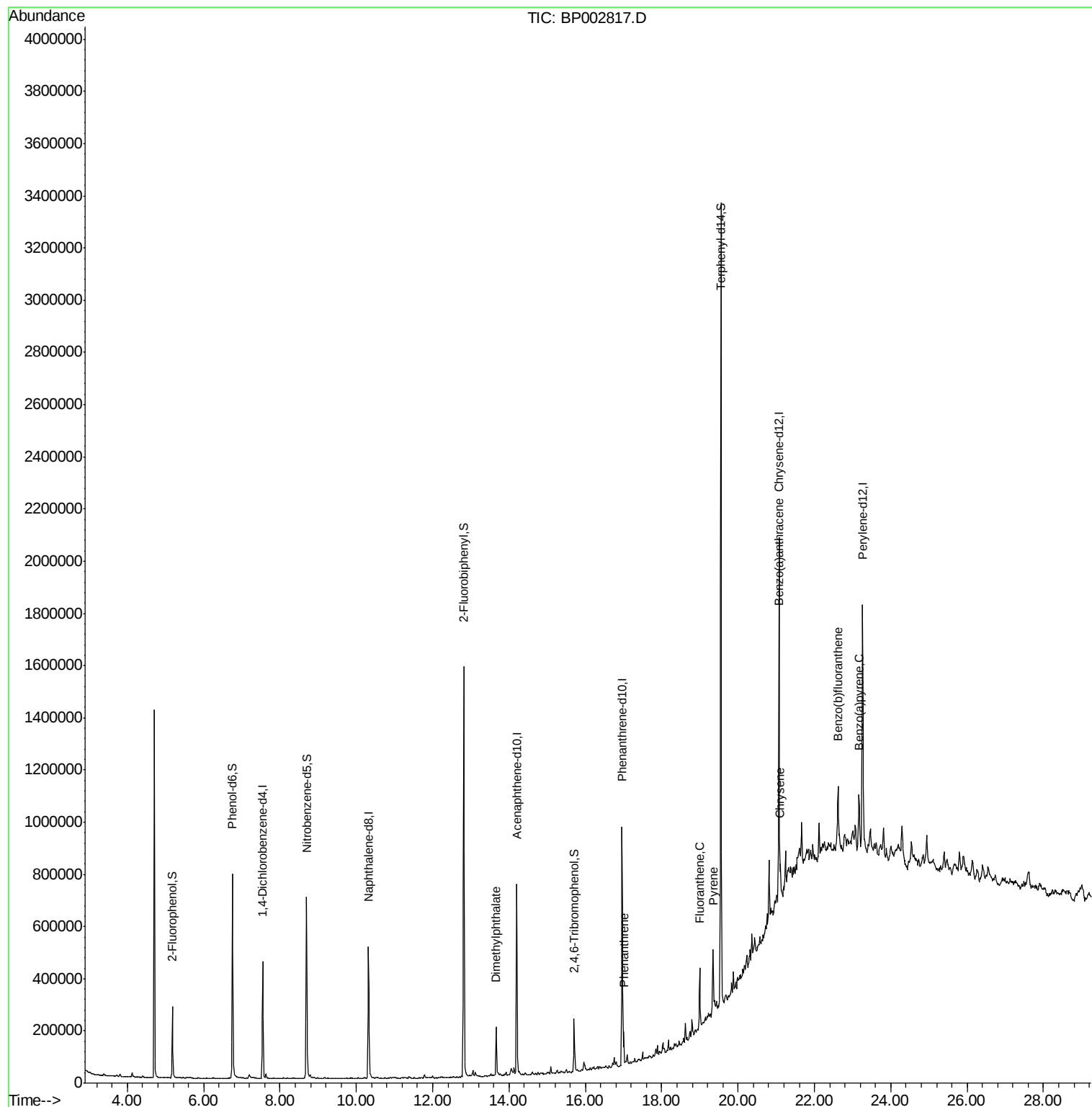
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072120\  
Data File : BP002817.D  
Acq On : 21 Jul 2020 16:54  
Operator : CG/JU  
Sample : L3360-03  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

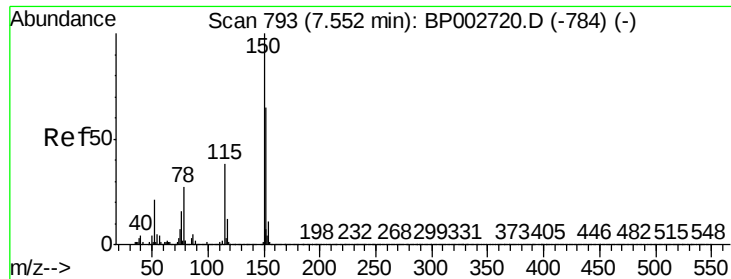
Instrument :  
BNA\_P  
ClientSampleId :  
SP-2

Manual Integrations  
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Quant Time: Jul 21 17:54:59 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 13 10:54:03 2020  
Response via : Initial Calibration





#1

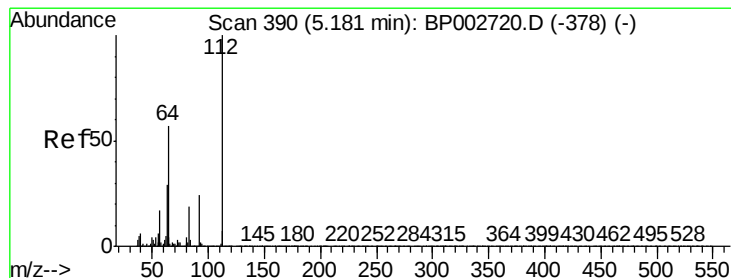
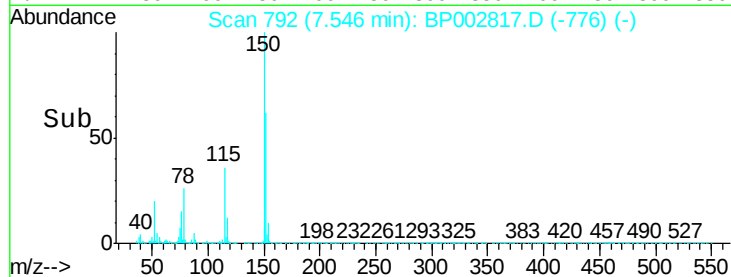
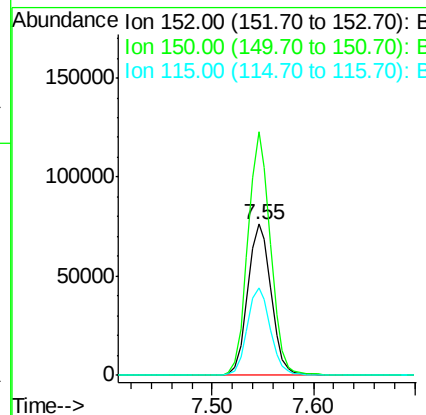
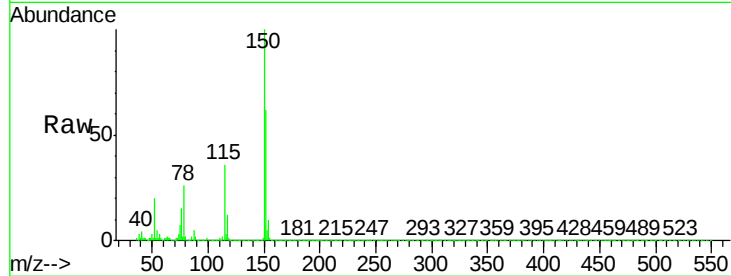
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.55 min Scan# 792  
Delta R.T. -0.01 min  
Lab File: BP002817.D  
Acq: 21 Jul 2020 16:54

Instrument :  
BNA\_P  
ClientSampled :  
SP-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 161.2 | 123.7 | 185.5 |
| 115     | 58.0  | 47.2  | 70.8  |

Manual Integrations  
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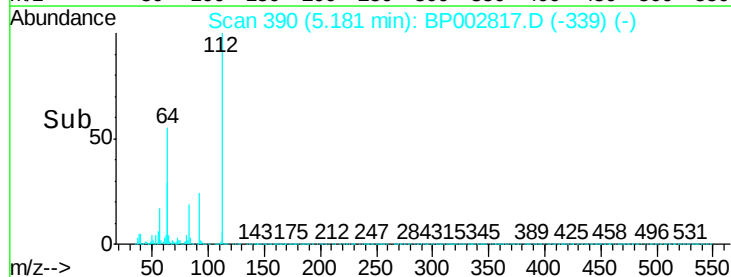
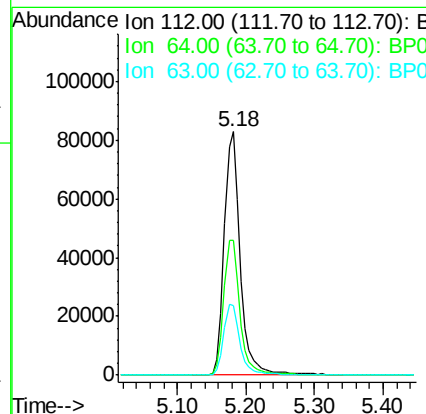
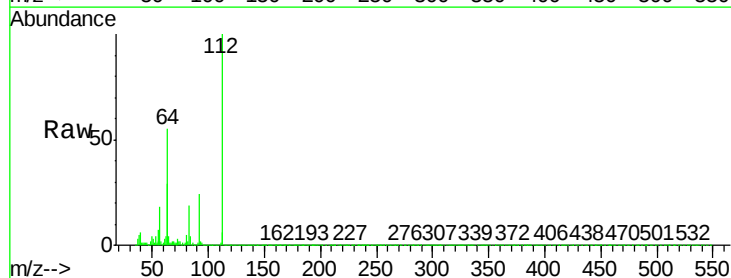
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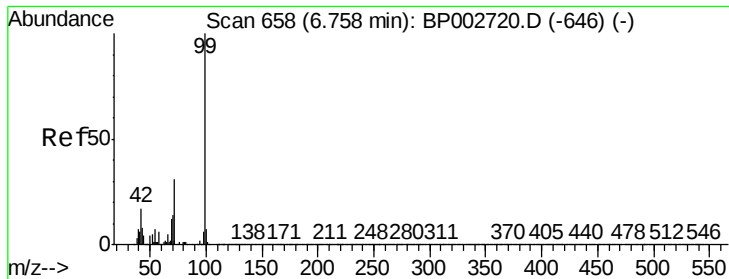


#5

2-Fluorophenol  
Concen: 18.395 ng  
RT: 5.18 min Scan# 390  
Delta R.T. 0.00 min  
Lab File: BP002817.D  
Acq: 21 Jul 2020 16:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 55.4  | 45.6  | 68.4  |
| 63      | 28.6  | 23.5  | 35.3  |





#7

Phenol-d6

Concen: 49.381 ng

RT: 6.75 min Scan# 657

Delta R.T. -0.01 min

Lab File: BP002817.D

Acq: 21 Jul 2020 16:54

Instrument :

BNA\_P

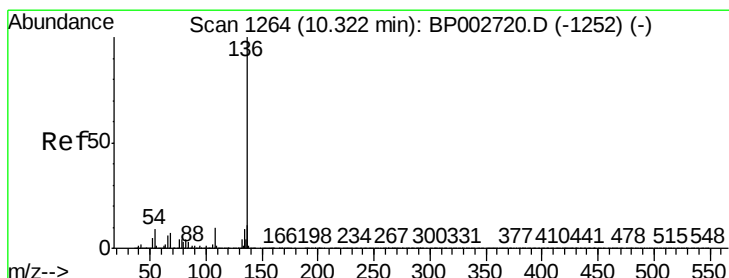
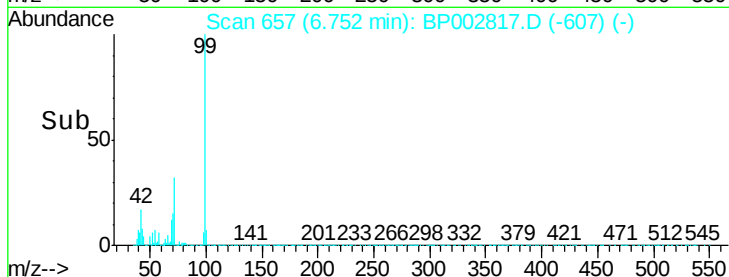
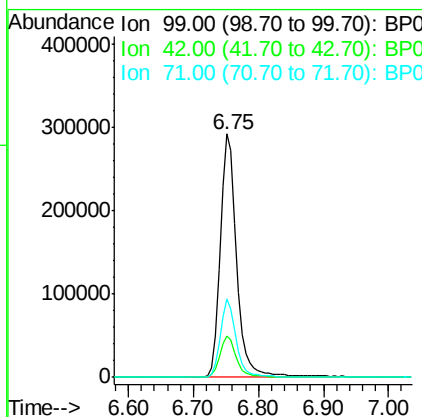
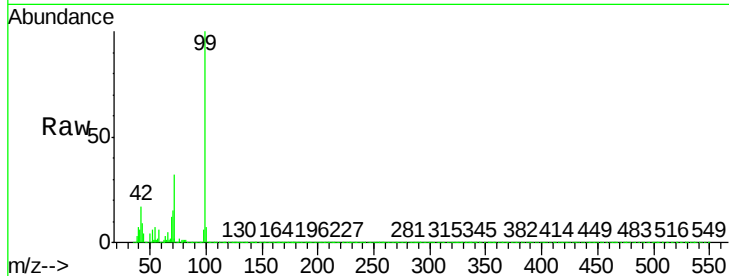
ClientSampleId :

SP-2

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 99      | 100  |       | 510738 |       |       |
| 42      | 16.9 | 13.4  | 20.2   |       |       |
| 71      | 32.0 | 24.6  | 36.8   |       |       |

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#21

Naphthalene-d8

Concen: 20.000 ng

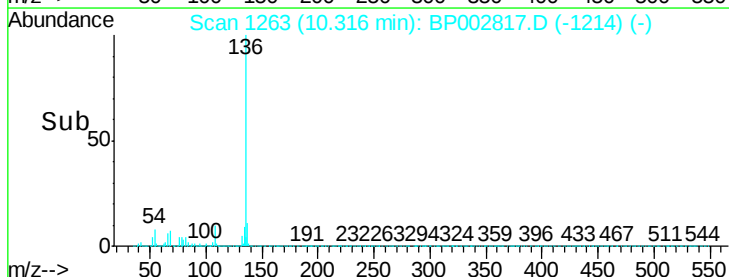
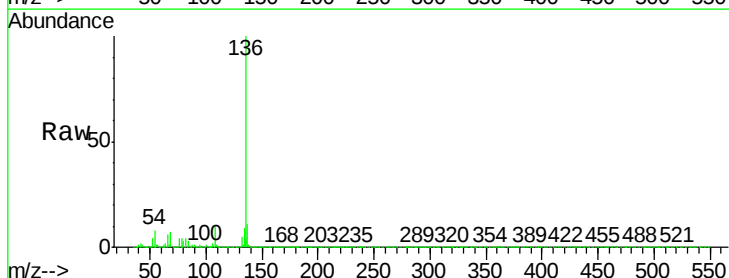
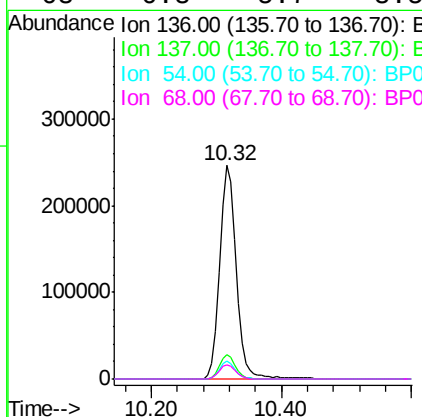
RT: 10.32 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BP002817.D

Acq: 21 Jul 2020 16:54

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 435236 |       |       |
| 137     | 11.3 | 8.6   | 13.0   |       |       |
| 54      | 8.2  | 6.9   | 10.3   |       |       |
| 68      | 6.8  | 5.7   | 8.5    |       |       |





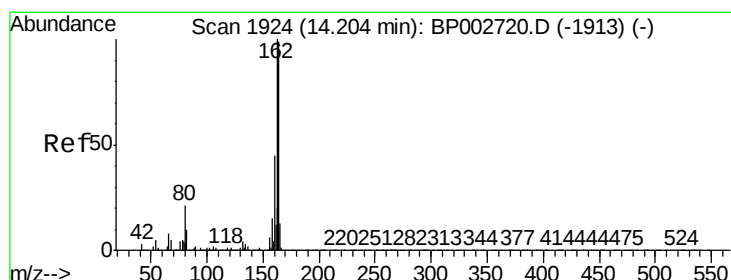
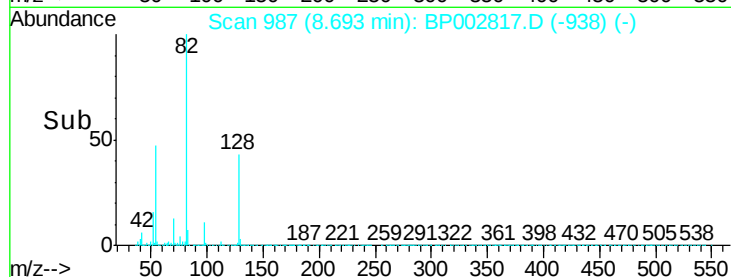
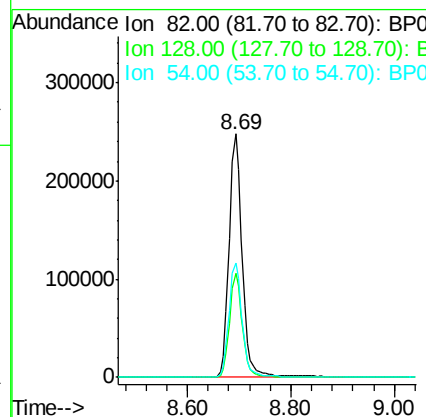
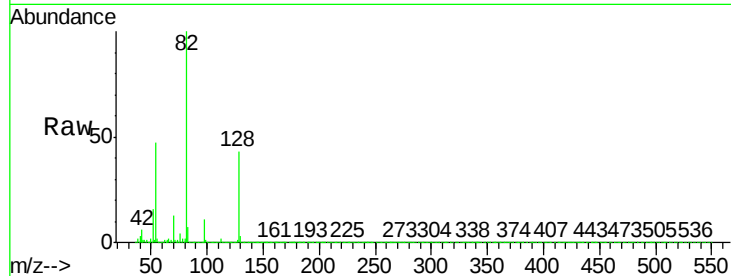
#23  
Nitrobenzene-d5  
Concen: 53.879 ng  
RT: 8.69 min Scan# 987  
Delta R.T. -0.01 min  
Lab File: BP002817.D  
Acq: 21 Jul 2020 16:54

Instrument :  
BNA\_P  
ClientSampleId :  
SP-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 42.6  | 33.8  | 50.8  |
| 54      | 47.2  | 38.8  | 58.2  |

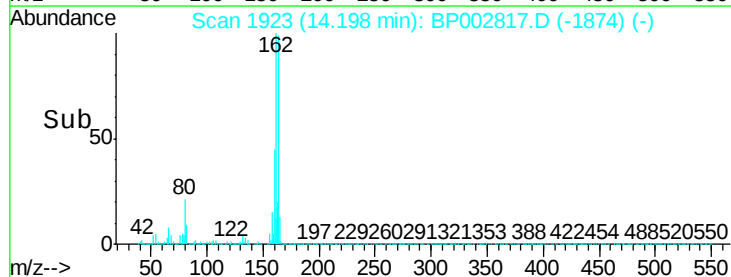
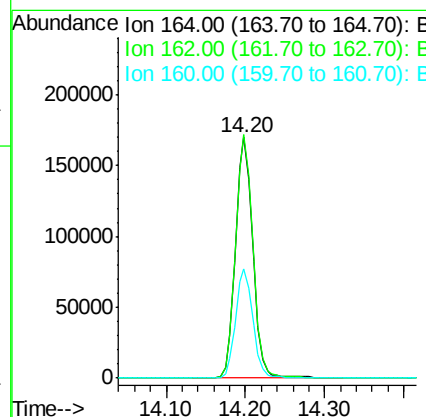
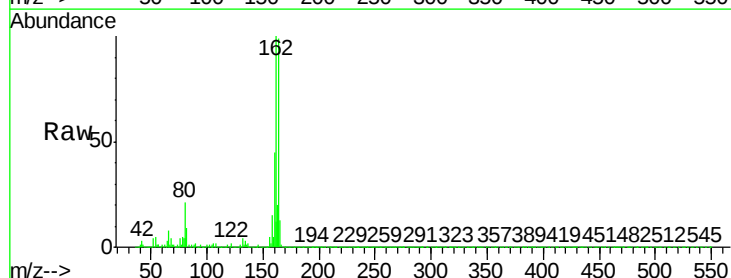
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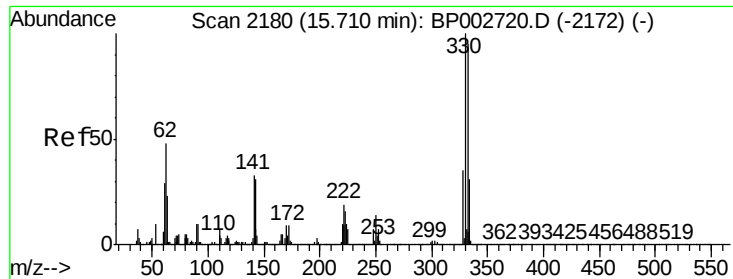
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#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.20 min Scan# 1923  
Delta R.T. -0.01 min  
Lab File: BP002817.D  
Acq: 21 Jul 2020 16:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.2 | 80.6  | 121.0 |
| 160     | 45.6  | 36.4  | 54.6  |





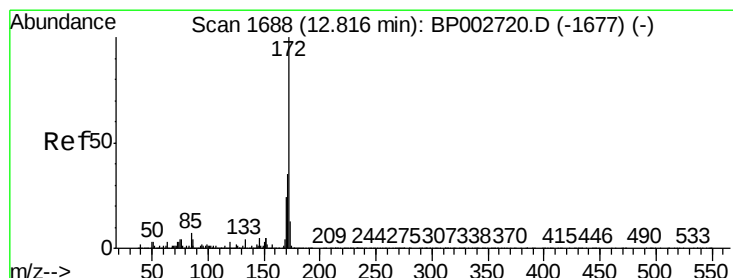
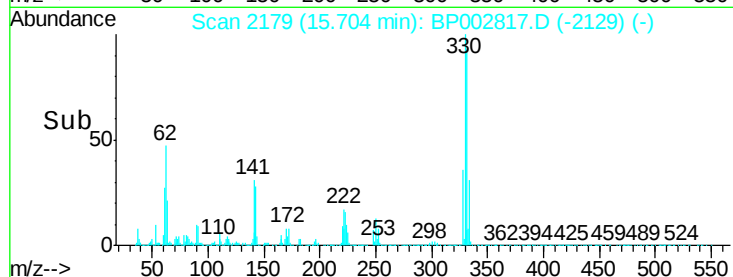
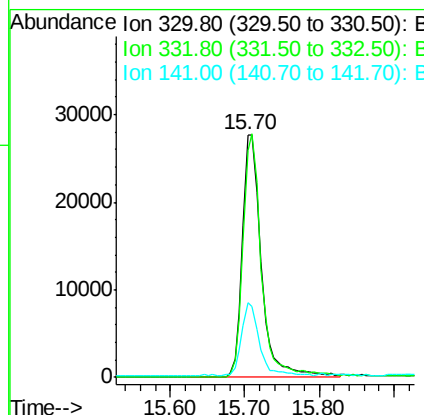
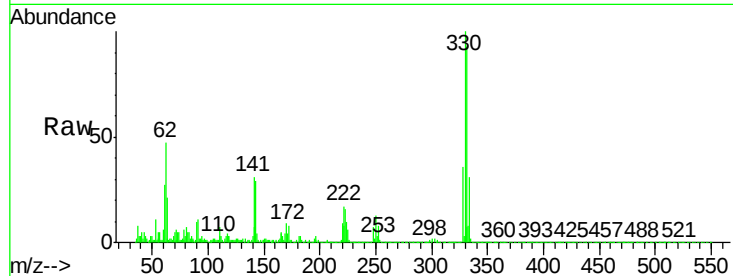
#42  
 2,4,6-Tribromophenol  
 Concen: 18.259 ng  
 RT: 15.70 min Scan# 2179  
 Delta R.T. -0.01 min  
 Lab File: BP002817.D  
 Acq: 21 Jul 2020 16:54

Instrument :  
 BNA\_P  
 ClientSampled :  
 SP-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.1  | 76.5  | 114.7 |
| 141     | 27.7  | 28.8  | 43.2  |

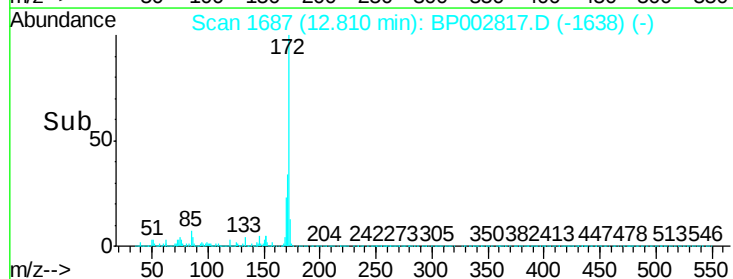
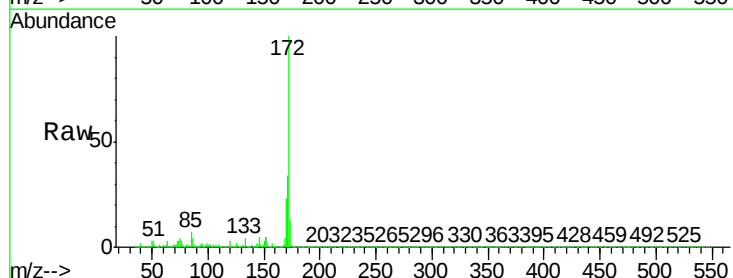
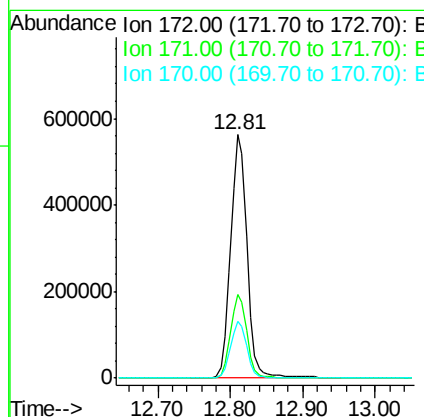
Manual Integrations  
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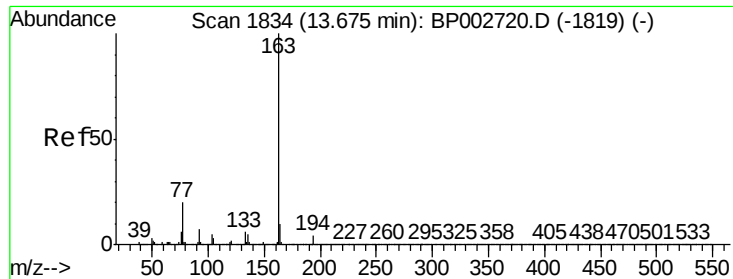
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#45  
 2-Fluorobiphenyl  
 Concen: 53.162 ng  
 RT: 12.81 min Scan# 1687  
 Delta R.T. -0.01 min  
 Lab File: BP002817.D  
 Acq: 21 Jul 2020 16:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.2  | 28.1  | 42.1  |
| 170     | 23.2  | 19.3  | 28.9  |





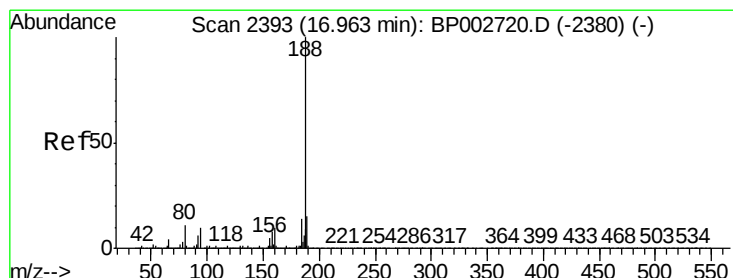
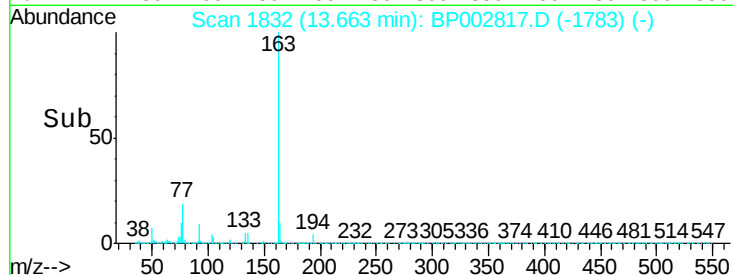
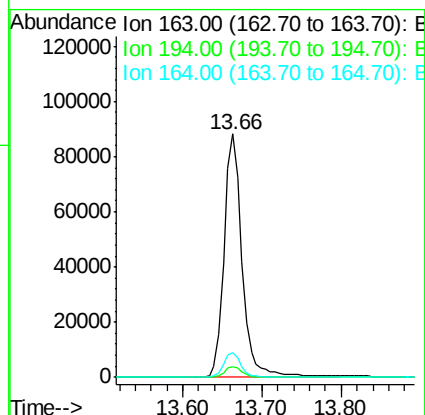
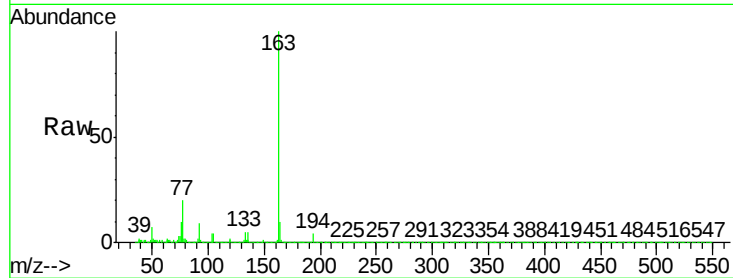
#50  
Dimethylphthalate  
Concen: 7.045 ng  
RT: 13.66 min Scan# 1832  
Delta R.T. -0.01 min  
Lab File: BP002817.D  
Acq: 21 Jul 2020 16:54

Instrument :  
BNA\_P  
ClientSampleId :  
SP-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.5   | 3.4   | 5.2   |
| 164     | 10.4  | 7.8   | 11.8  |

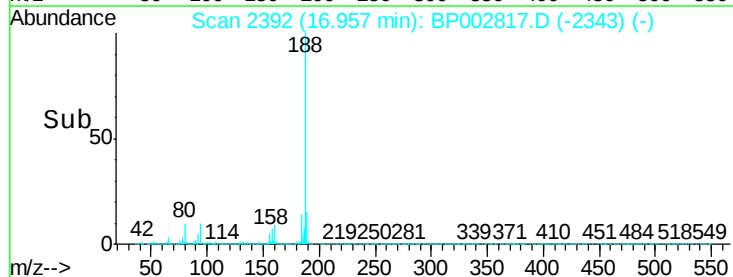
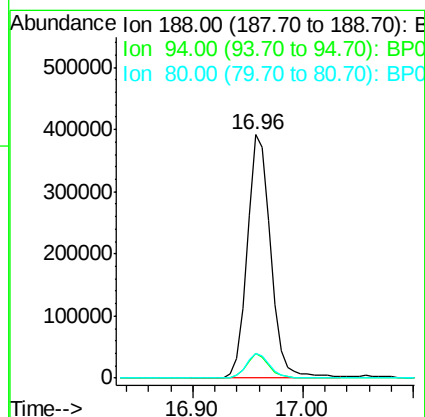
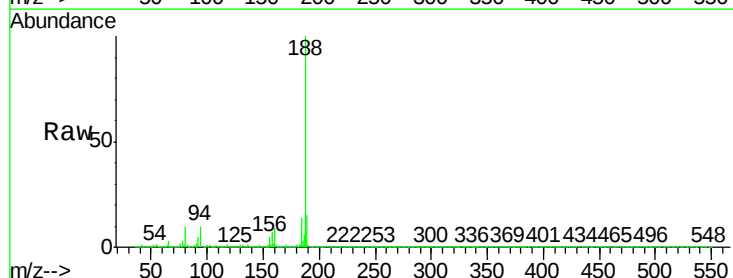
Manual Integrations  
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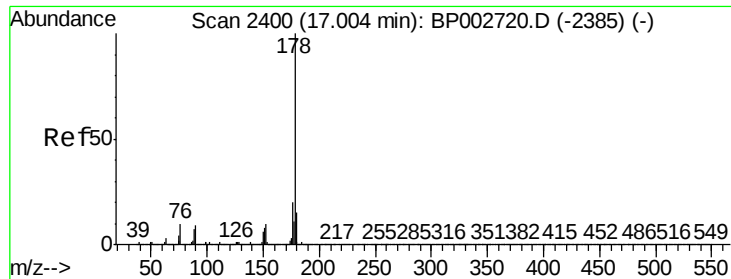
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#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.96 min Scan# 2392  
Delta R.T. -0.01 min  
Lab File: BP002817.D  
Acq: 21 Jul 2020 16:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.0  | 8.1   | 12.1  |
| 80      | 10.4  | 8.9   | 13.3  |





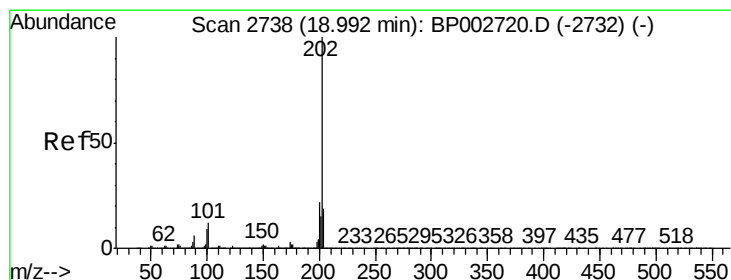
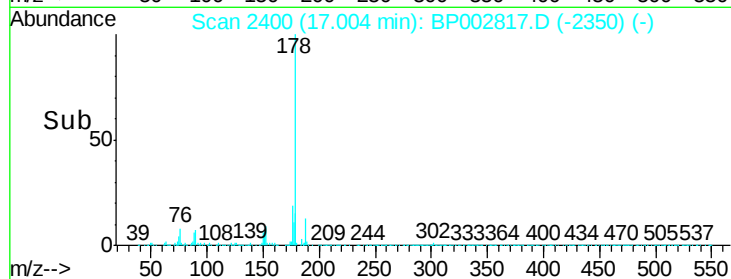
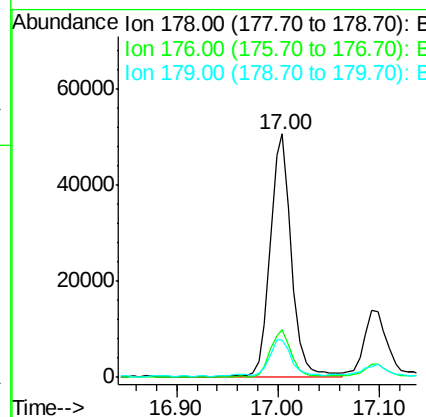
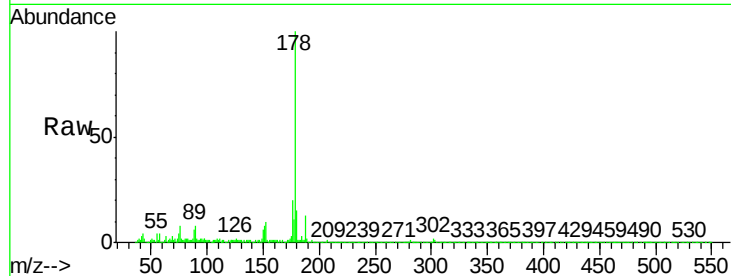
#71  
Phenanthrene  
Concen: 2.340 ng  
RT: 17.00 min Scan# 2400  
Delta R.T. -0.01 min  
Lab File: BP002817.D  
Acq: 21 Jul 2020 16:54

Instrument :  
BNA\_P  
ClientSampleId :  
SP-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.7  | 15.9  | 23.9  |
| 179     | 15.2  | 12.3  | 18.5  |

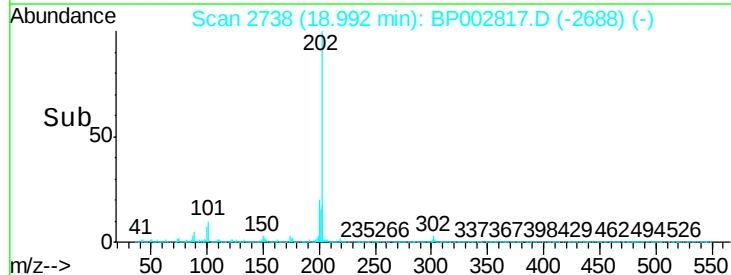
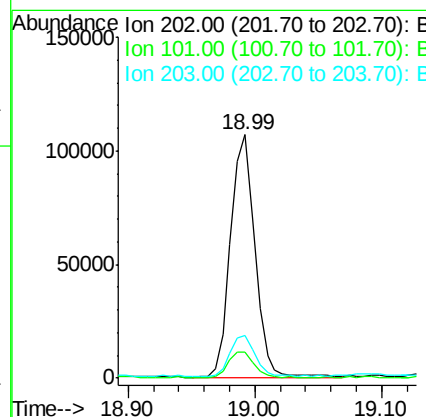
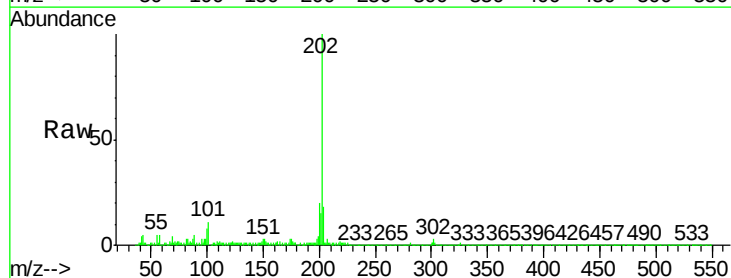
Manual Integrations  
APPROVED

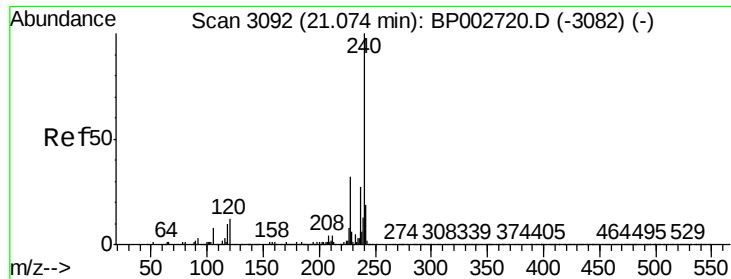
Sohil  
7/24/2020 12:10:24 PM



#75  
Fluoranthene  
Concen: 3.897 ng  
RT: 18.99 min Scan# 2738  
Delta R.T. -0.01 min  
Lab File: BP002817.D  
Acq: 21 Jul 2020 16:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.6  | 0.0   | 32.5  |
| 203     | 17.8  | 0.0   | 38.6  |





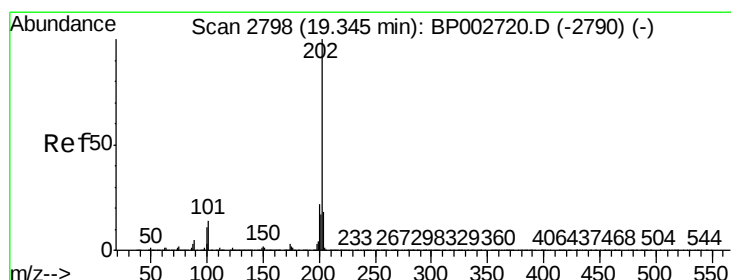
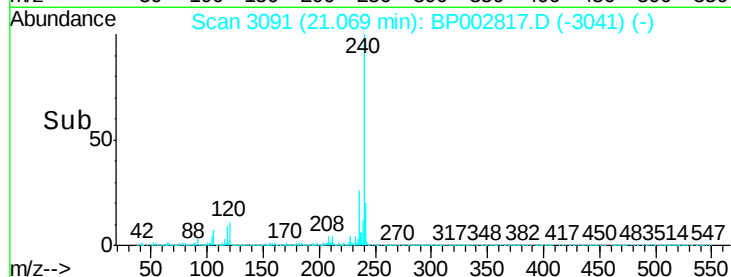
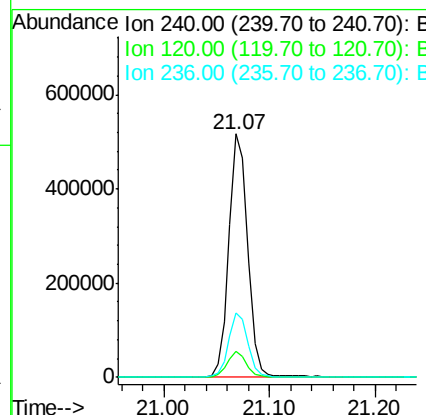
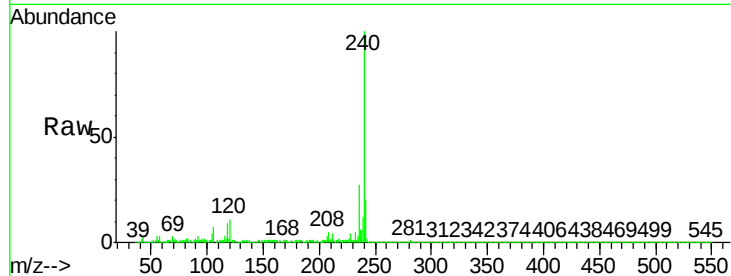
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.07 min Scan# 3091  
Delta R.T. -0.01 min  
Lab File: BP002817.D  
Acq: 21 Jul 2020 16:54

Instrument :  
BNA\_P  
ClientSampleId :  
SP-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.8  | 9.4   | 14.2  |
| 236     | 26.5  | 21.3  | 31.9  |

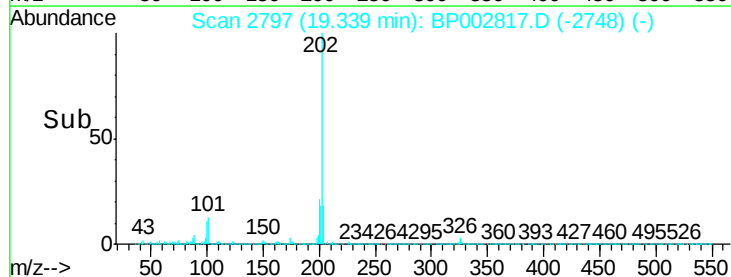
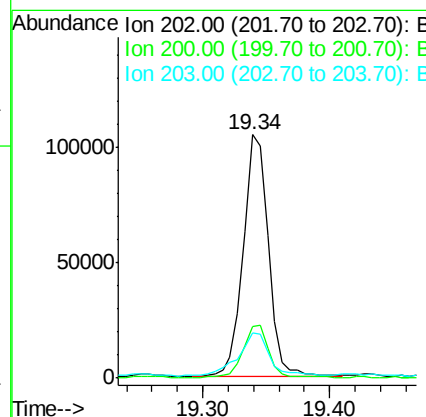
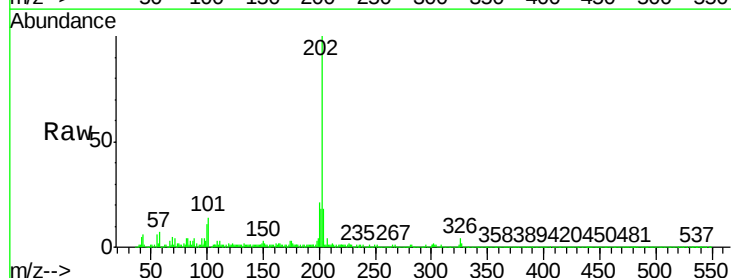
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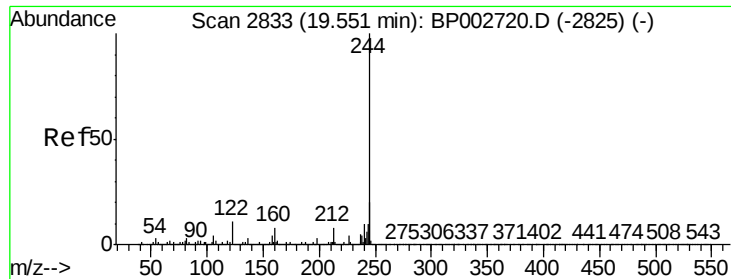
Sohil  
7/24/2020 12:10:24 PM



#78  
Pyrene  
Concen: 3.281 ng  
RT: 19.34 min Scan# 2797  
Delta R.T. -0.01 min  
Lab File: BP002817.D  
Acq: 21 Jul 2020 16:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.2  | 17.7  | 26.5  |
| 203     | 18.5  | 14.5  | 21.7  |





#79

Terphenyl-d14

Concen: 49.134 ng

RT: 19.55 min Scan# 2833

Delta R.T. -0.01 min

Lab File: BP002817.D

Acq: 21 Jul 2020 16:54

Instrument :

BNA\_P

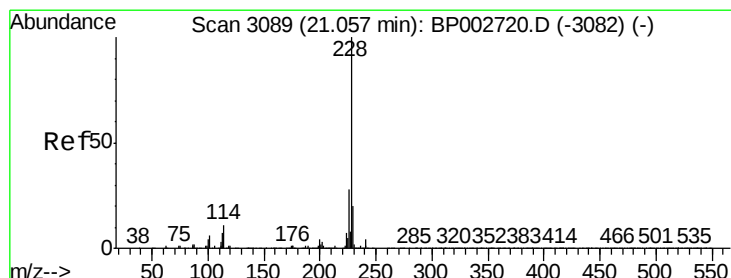
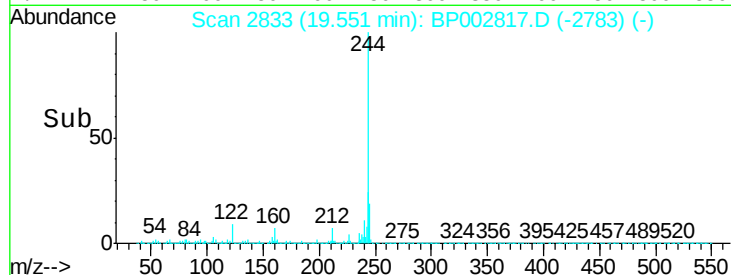
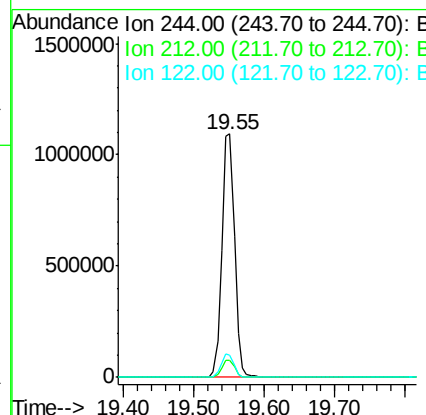
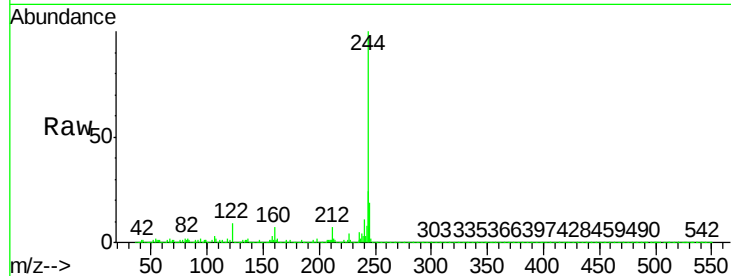
ClientSampled :

SP-2

|           |       |       |         |
|-----------|-------|-------|---------|
| Tot Ion:  | 244   | Resp: | 1366855 |
| Ion Ratio | Lower | Upper |         |
| 244       | 100   |       |         |
| 212       | 7.1   | 6.0   | 9.0     |
| 122       | 9.1   | 8.9   | 13.3    |

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#81

Benzo(a)anthracene

Concen: 2.099 ng

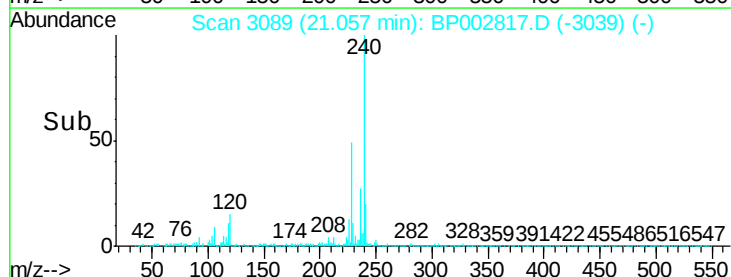
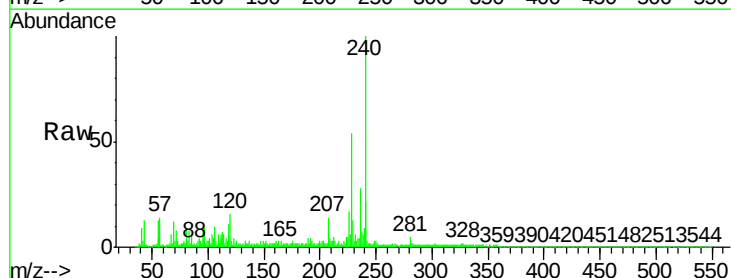
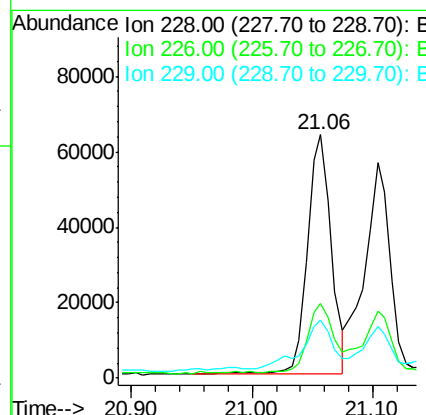
RT: 21.06 min Scan# 3089

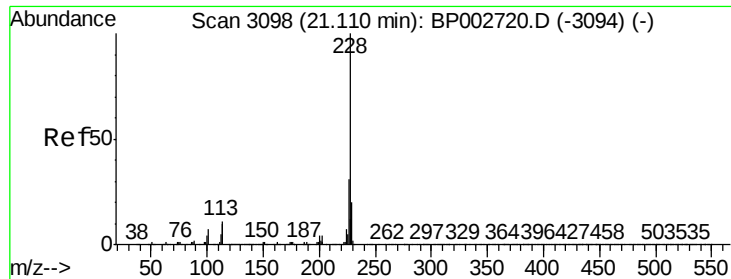
Delta R.T. -0.01 min

Lab File: BP002817.D

Acq: 21 Jul 2020 16:54

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 86670 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 30.8  | 22.6  | 34.0  |
| 229       | 24.0  | 16.0  | 24.0  |





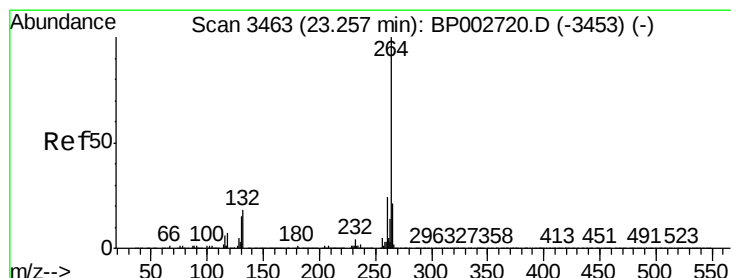
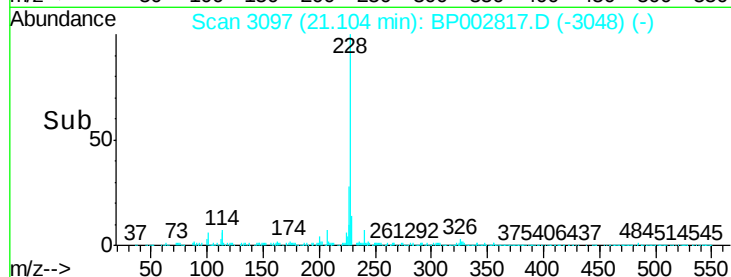
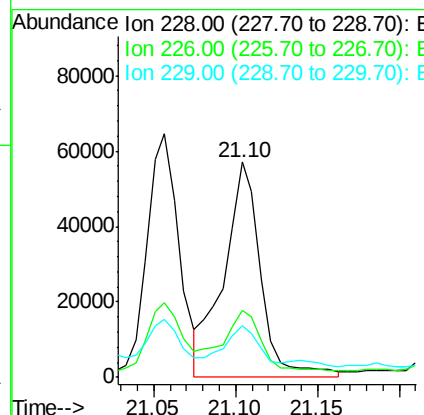
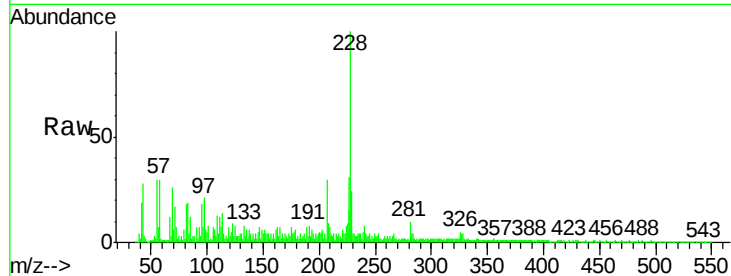
#83  
Chrysene  
Concen: 2.305 ng/mL  
RT: 21.10 min Scan# 3097  
Delta R.T. -0.01 min  
Lab File: BP002817.D  
Acq: 21 Jul 2020 16:54

Instrument :  
BNA\_P  
ClientSampled :  
SP-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.4  | 24.6  | 37.0  |
| 229     | 24.3  | 15.7  | 23.5  |

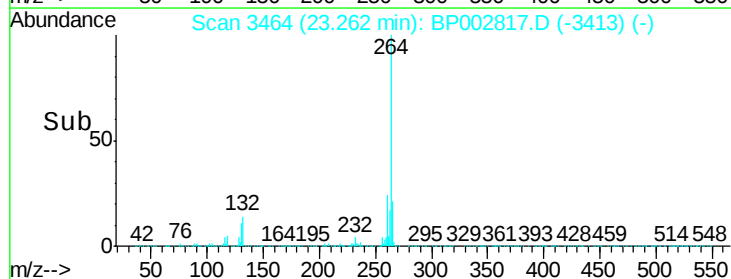
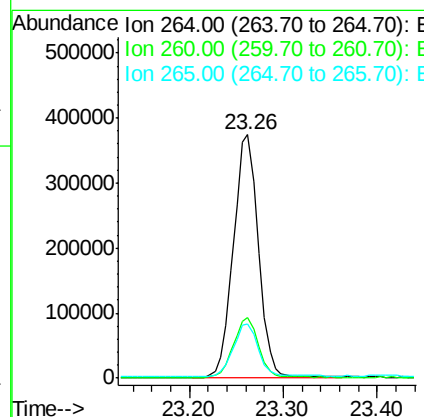
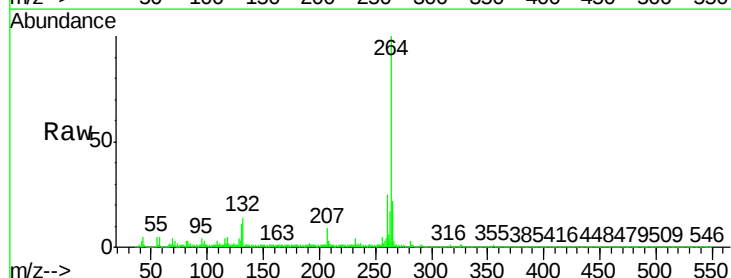
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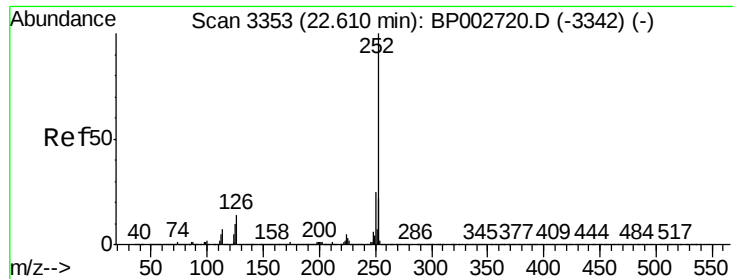
Sohil  
7/24/2020 12:10:24 PM



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.26 min Scan# 3464  
Delta R.T. 0.00 min  
Lab File: BP002817.D  
Acq: 21 Jul 2020 16:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.8  | 19.3  | 28.9  |
| 265     | 22.1  | 16.8  | 25.2  |





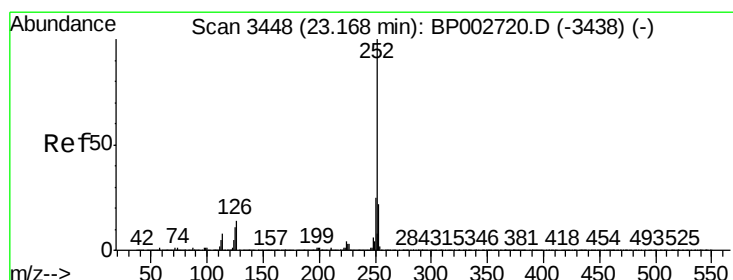
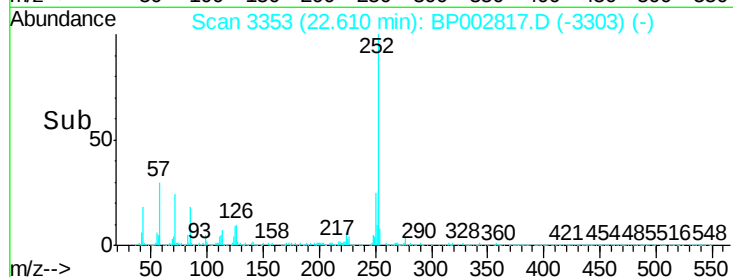
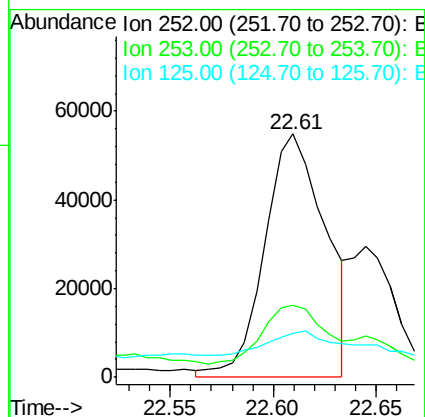
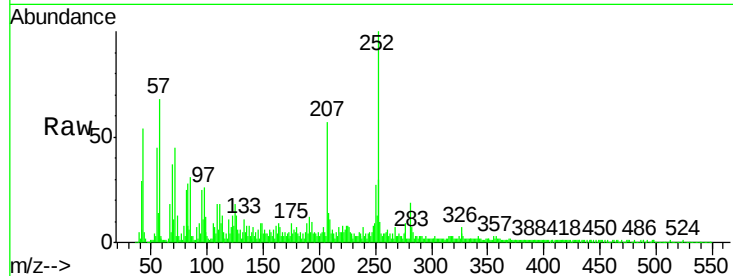
#88  
Benzo(b)fluoranthene  
Concen: 2.650 ng m  
RT: 22.61 min Scan# 3353  
Delta R.T. -0.01 min  
Lab File: BP002817.D  
Acq: 21 Jul 2020 16:54

Instrument :  
BNA\_P  
ClientSampled :  
SP-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 29.7  | 17.7  | 26.5# |
| 125     | 18.2  | 8.2   | 12.2# |

Manual Integrations  
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#90  
Benzo(a)pyrene  
Concen: 2.042 ng  
RT: 23.17 min Scan# 3448  
Delta R.T. -0.01 min  
Lab File: BP002817.D  
Acq: 21 Jul 2020 16:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 28.1  | 17.6  | 26.4# |
| 125     | 20.6  | 8.6   | 13.0# |

