

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072020\  
 Data File : BP002797.D  
 Acq On : 20 Jul 2020 13:13  
 Operator : CG/JU  
 Sample : L3177-01  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 AU-05-071720

Manual Integrations  
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 7/21/2020 11:33:05 AM

Quant Time: Jul 20 15:31:26 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  | 167939   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.32 | 136  | 682716   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10        | 14.20 | 164  | 410203   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 16.96 | 188  | 836080   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.07 | 240  | 722909   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 23.27 | 264  | 600604   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.18  | 112  | 975081   | 97.96 | ng    | 0.00     |
| 7) Phenol-d6                | 6.76  | 99   | 1335024  | 93.98 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.69  | 82   | 837105   | 65.58 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 15.71 | 330  | 424594   | 99.16 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.82 | 172  | 1649457  | 62.21 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.56 | 244  | 1918667  | 60.85 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 50) Dimethylphthalate       | 13.66 | 163  | 208738   | 6.672 | ng    | 99       |
| 71) Phenanthrene            | 17.00 | 178  | 98507    | 2.176 | ng    | 99       |
| 75) Fluoranthene            | 19.00 | 202  | 190281   | 3.628 | ng    | 99       |
| 78) Pyrene                  | 19.35 | 202  | 221448   | 4.437 | ng    | 97       |
| 81) Benzo(a)anthracene      | 21.06 | 228  | 97873    | 2.091 | ng    | # 93     |
| 83) Chrysene                | 21.11 | 228  | 100729m  | 2.261 | ng    |          |
| 88) Benzo(b)fluoranthene    | 22.62 | 252  | 104616   | 2.805 | ng    | # 73     |
| 90) Benzo(a)pyrene          | 23.17 | 252  | 83985    | 2.376 | ng    | # 86     |
| 92) Benzo(g,h,i)perylene    | 26.15 | 276  | 71605    | 2.017 | ng    | 92       |

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

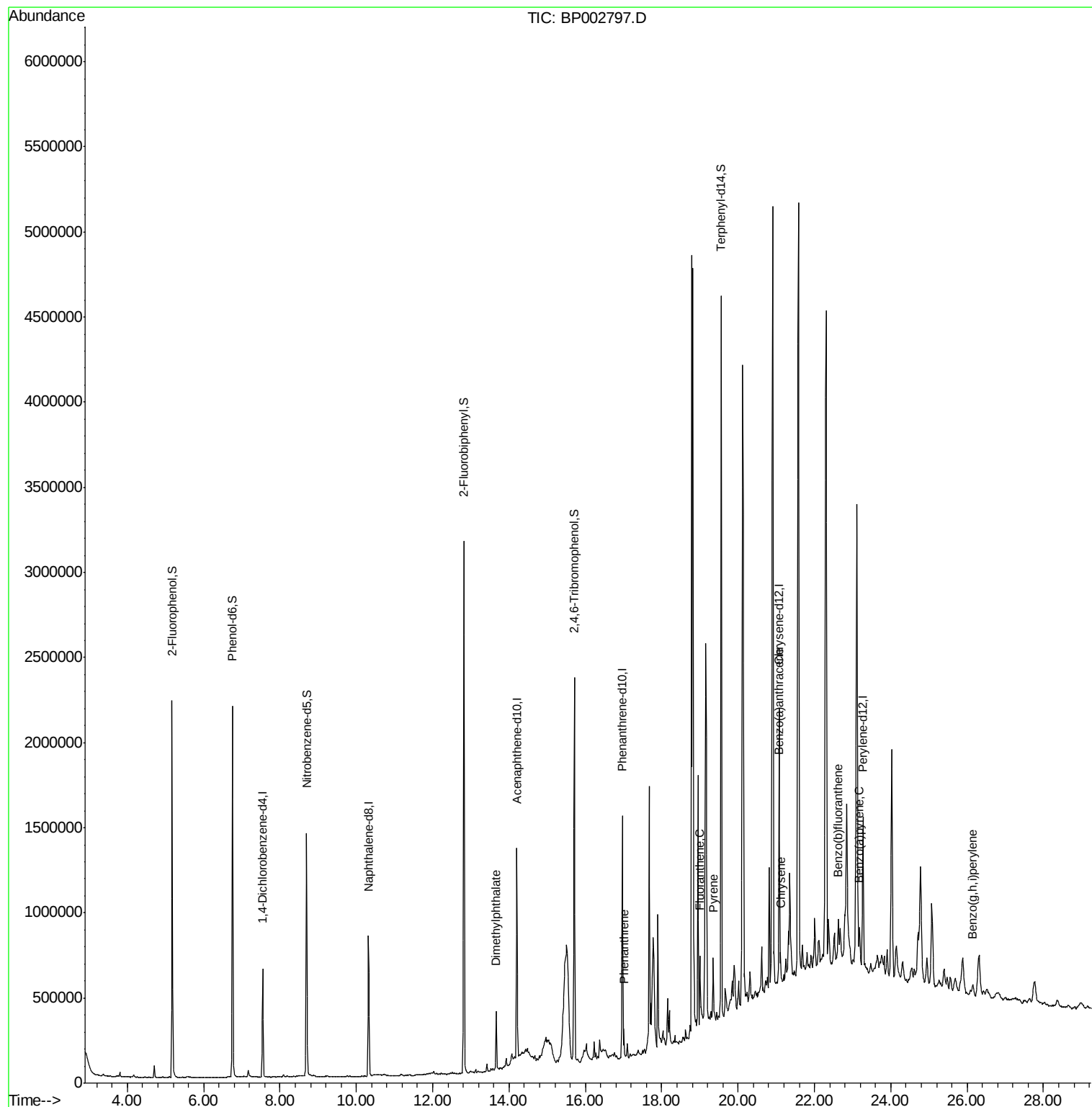
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072020\  
Data File : BP002797.D  
Acq On : 20 Jul 2020 13:13  
Operator : CG/JU  
Sample : L3177-01  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

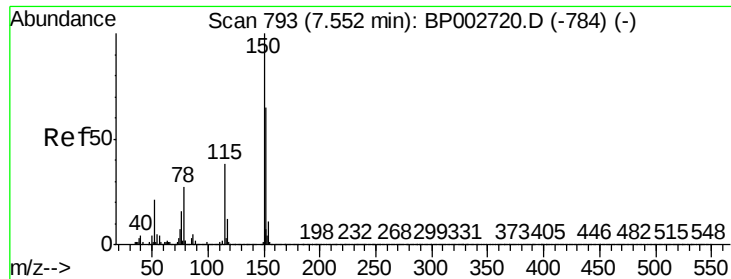
Instrument :  
BNA\_P  
ClientSampleId :  
AU-05-071720

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Quant Time: Jul 20 15:31:26 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

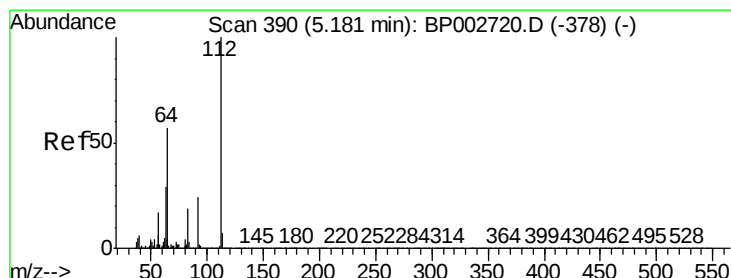
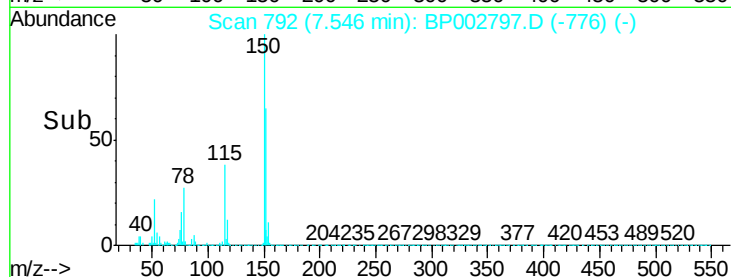
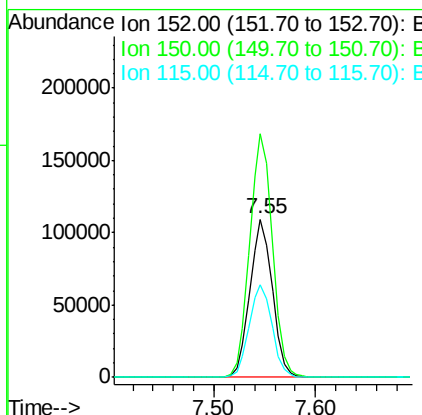
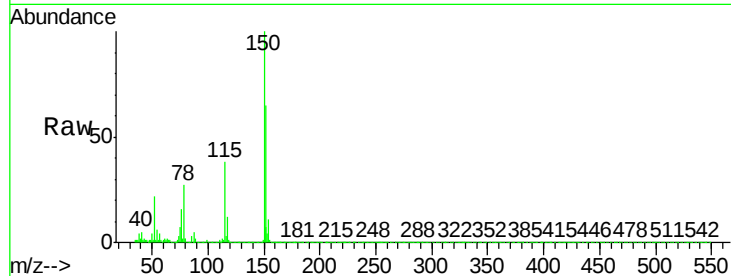
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.55 min Scan# 792  
Delta R.T. -0.01 min  
Lab File: BP002797.D  
Acq: 20 Jul 2020 13:13

Instrument :  
BNA\_P  
ClientSampleId :  
AU-05-071720

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.2 | 123.7 | 185.5 |
| 115     | 58.8  | 47.2  | 70.8  |

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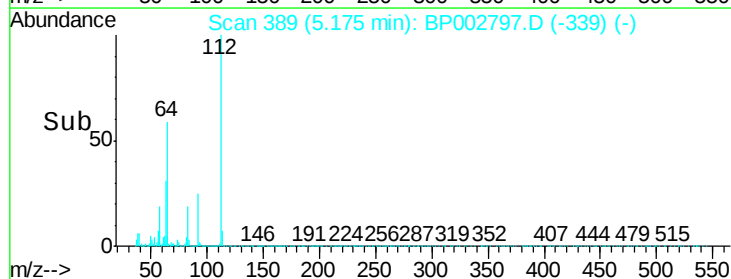
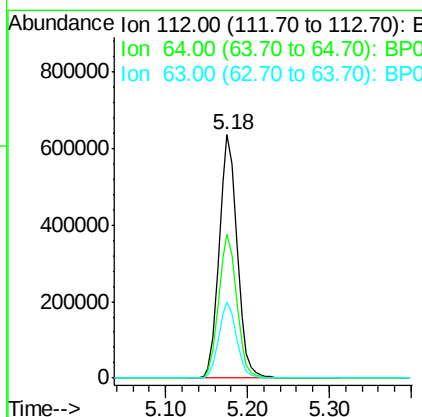
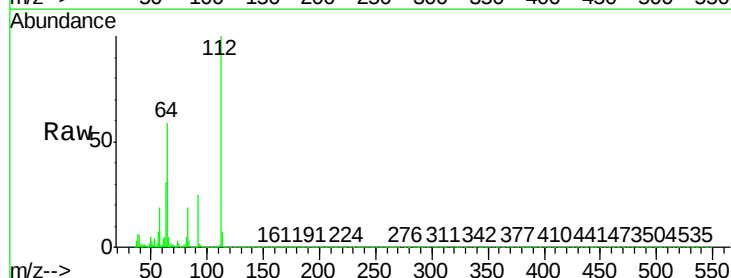
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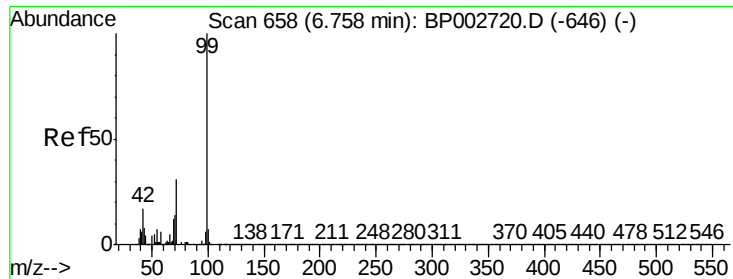


#5

2-Fluorophenol  
Concen: 97.961 ng  
RT: 5.18 min Scan# 389  
Delta R.T. -0.01 min  
Lab File: BP002797.D  
Acq: 20 Jul 2020 13:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 59.2  | 45.6  | 68.4  |
| 63      | 31.0  | 23.5  | 35.3  |





#7

Phenol-d6

Concen: 93.978 ng

RT: 6.76 min Scan# 658

Delta R.T. 0.00 min

Lab File: BP002797.D

Acq: 20 Jul 2020 13:13

Instrument :

BNA\_P

ClientSampleId :

AU-05-071720

Tot Ion: 99 Resp: 1335024

Ion Ratio Lower Upper

99 100

42 17.7 13.4 20.2

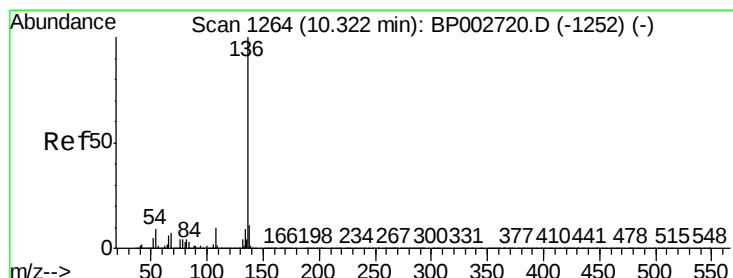
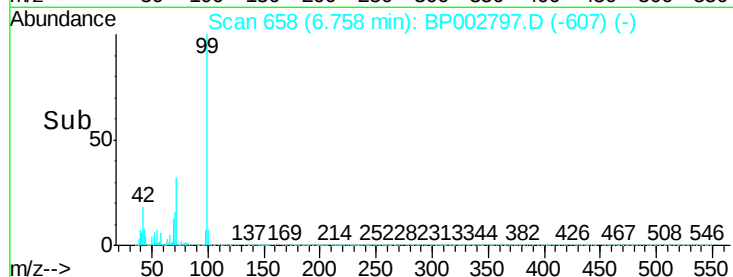
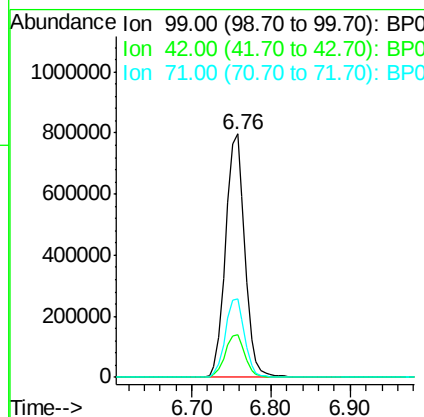
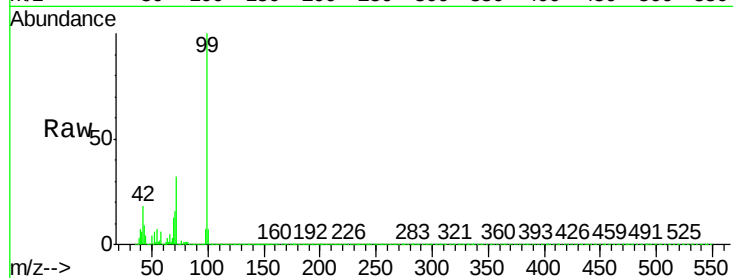
71 32.3 24.6 36.8

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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: BP002797.D

Acq: 20 Jul 2020 13:13

Tgt Ion: 136 Resp: 682716

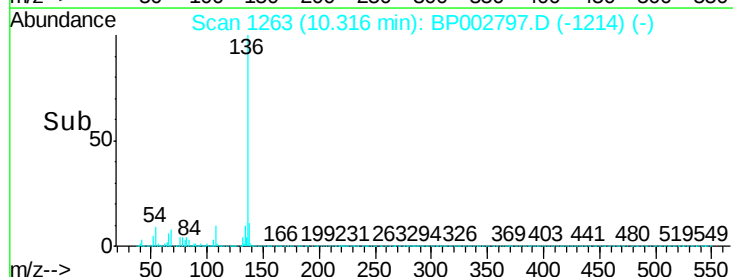
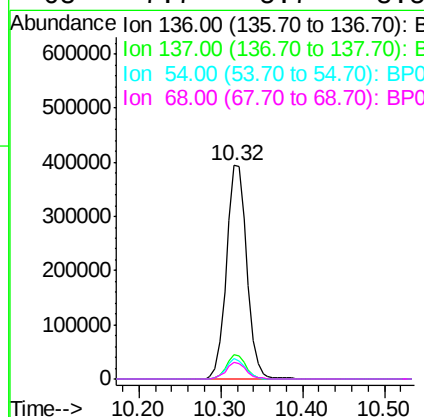
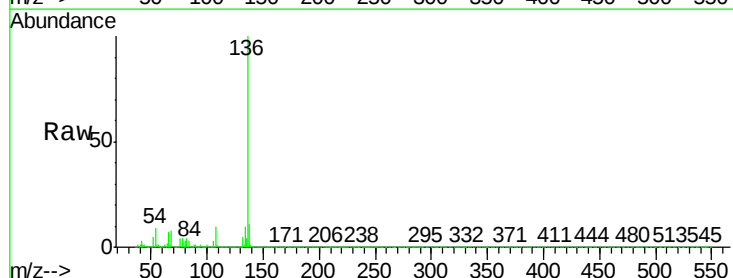
Ion Ratio Lower Upper

136 100

137 11.2 8.6 13.0

54 9.4 6.9 10.3

68 7.7 5.7 8.5





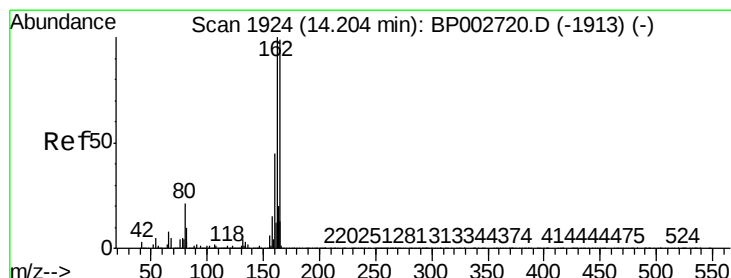
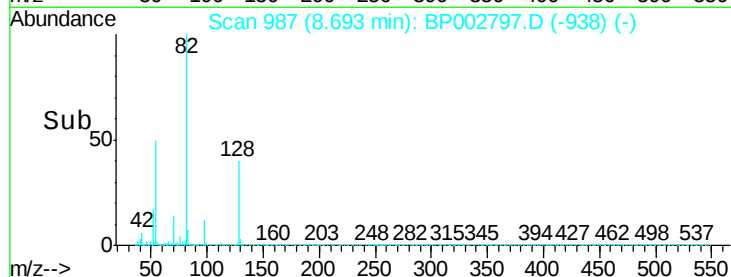
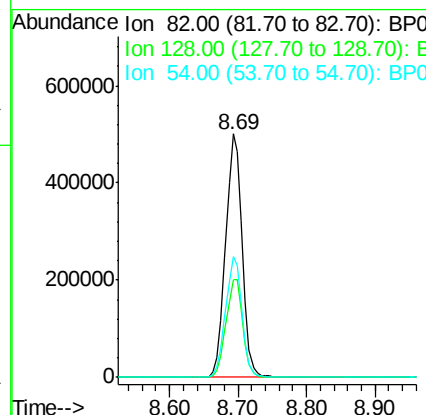
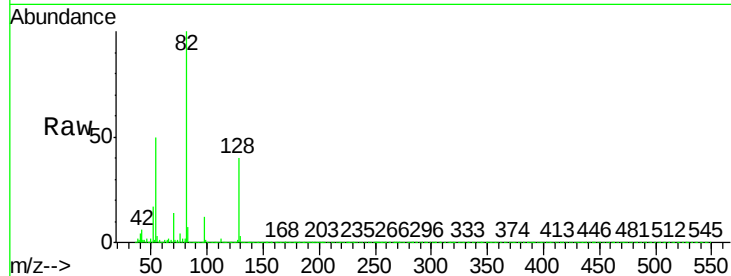
#23  
Nitrobenzene-d5  
Concen: 65.578 ng  
RT: 8.69 min Scan# 987  
Delta R.T. -0.01 min  
Lab File: BP002797.D  
Acq: 20 Jul 2020 13:13

Instrument :  
BNA\_P  
ClientSampleId :  
AU-05-071720

| Tot Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 82      | 82  | 100   |      |       |       |
| 128     | 128 | 40.4  |      | 33.8  | 50.8  |
| 54      | 54  | 49.8  |      | 38.8  | 58.2  |

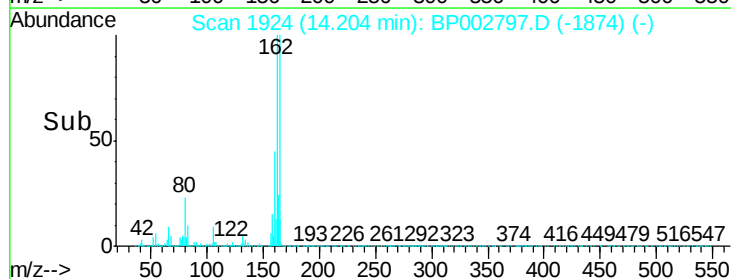
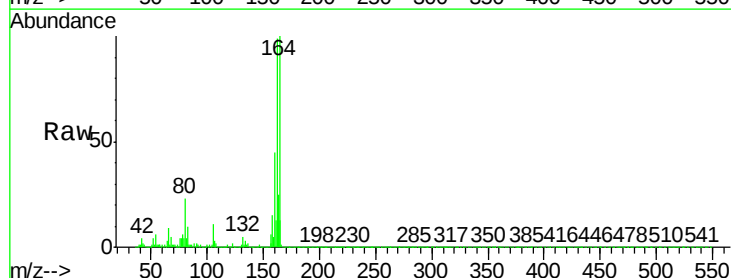
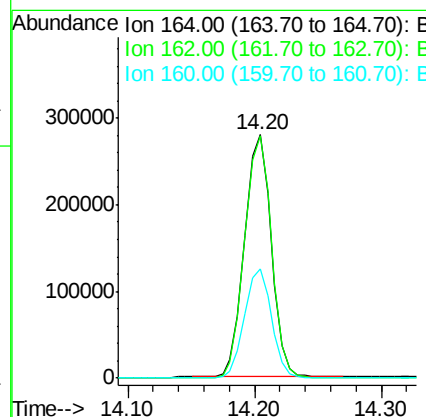
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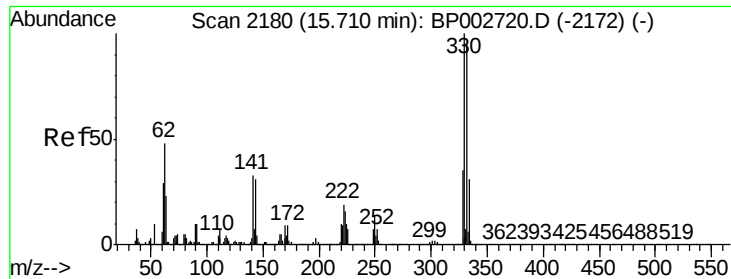
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#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.20 min Scan# 1924  
Delta R.T. -0.01 min  
Lab File: BP002797.D  
Acq: 20 Jul 2020 13:13

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 164     | 164 | 100   |      |       |       |
| 162     | 162 | 99.5  |      | 80.6  | 121.0 |
| 160     | 160 | 45.1  |      | 36.4  | 54.6  |





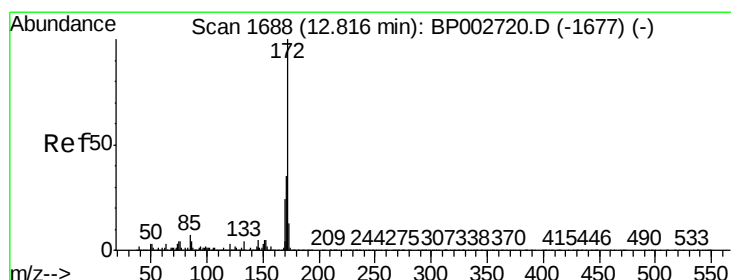
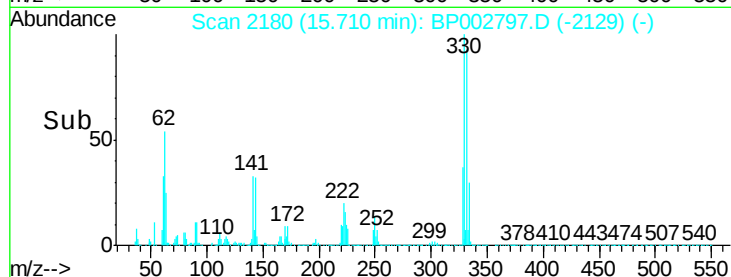
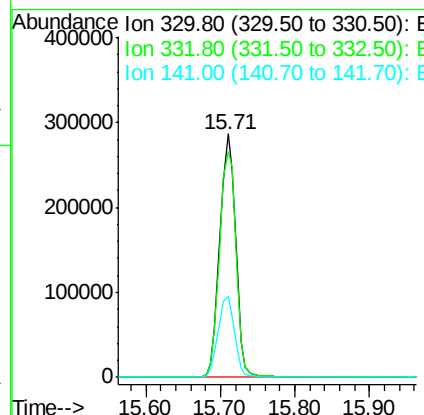
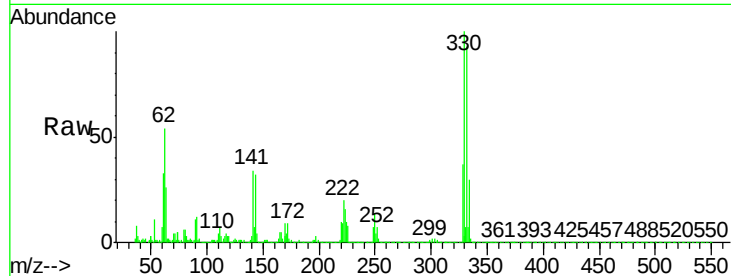
#42  
 2,4,6-Tribromophenol  
 Concen: 99.161 ng  
 RT: 15.71 min Scan# 2180  
 Delta R.T. 0.00 min  
 Lab File: BP002797.D  
 Acq: 20 Jul 2020 13:13

Instrument :  
 BNA\_P  
 ClientSampleId :  
 AU-05-071720

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 424594 |       |       |
| 332     | 96.9  | 76.5   | 114.7 |       |
| 141     | 34.1  | 28.8   | 43.2  |       |

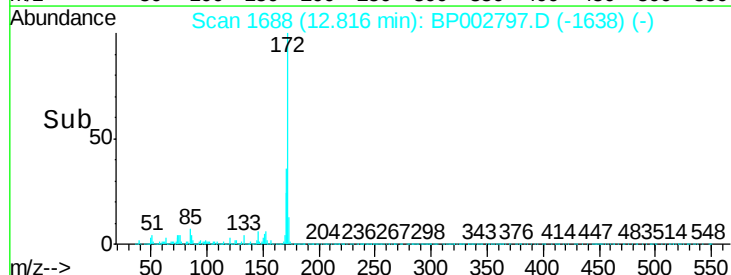
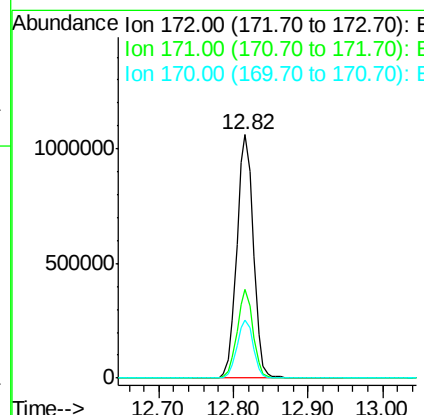
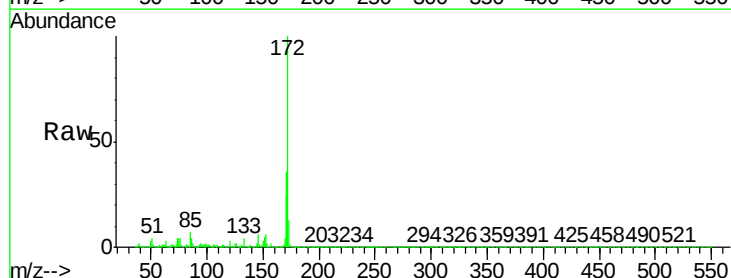
Manual Integrations  
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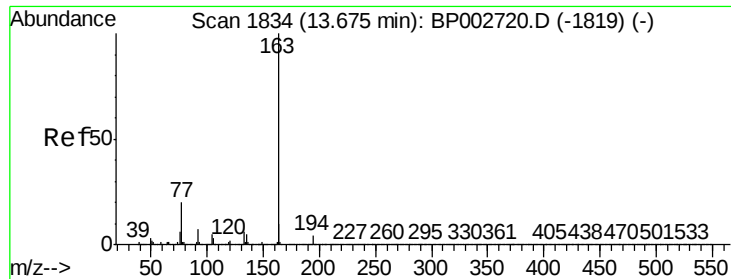
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#45  
 2-Fluorobiphenyl  
 Concen: 62.205 ng  
 RT: 12.82 min Scan# 1688  
 Delta R.T. -0.01 min  
 Lab File: BP002797.D  
 Acq: 20 Jul 2020 13:13

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 172     | 100   | 1649457 |       |       |
| 171     | 36.4  | 28.1    | 42.1  |       |
| 170     | 23.8  | 19.3    | 28.9  |       |





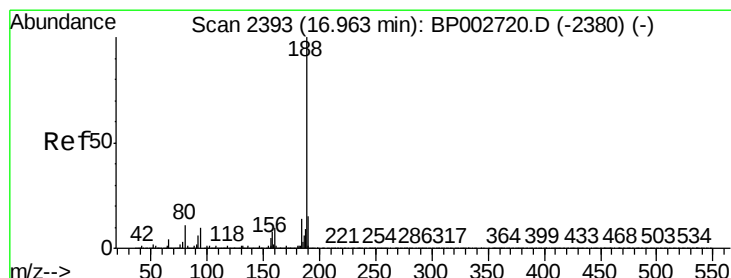
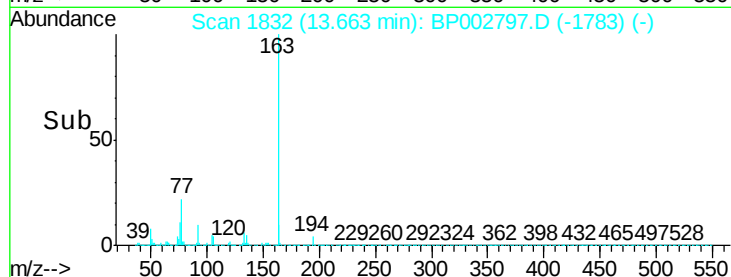
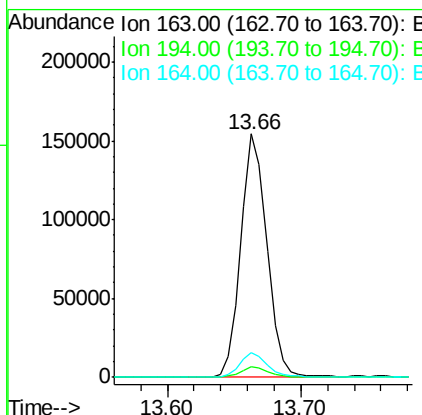
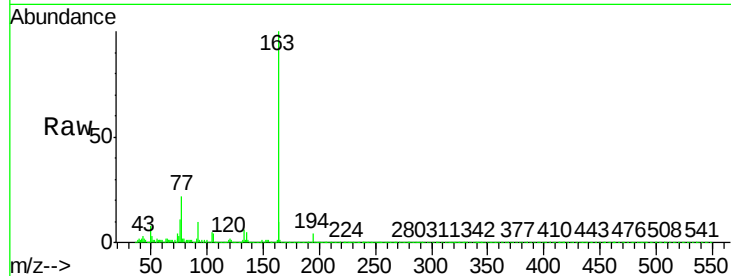
#50  
Dimethylphthalate  
Concen: 6.672 ng  
RT: 13.66 min Scan# 1832  
Delta R.T. -0.01 min  
Lab File: BP002797.D  
Acq: 20 Jul 2020 13:13

Instrument :  
BNA\_P  
ClientSampleId :  
AU-05-071720

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 208738 |       |       |
| 194     | 4.3   |        | 3.4   | 5.2   |
| 164     | 10.3  |        | 7.8   | 11.8  |

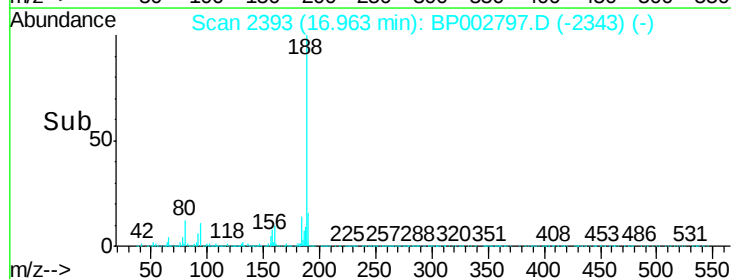
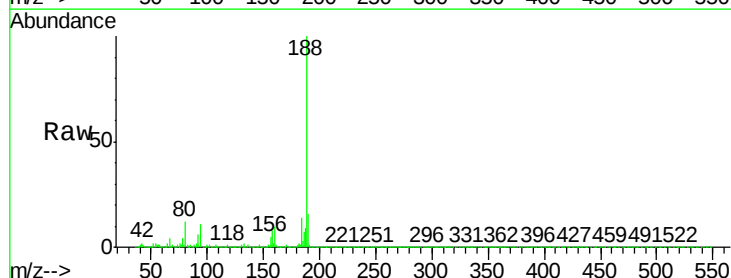
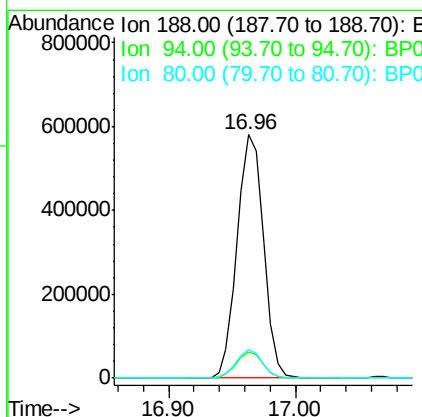
Manual Integrations  
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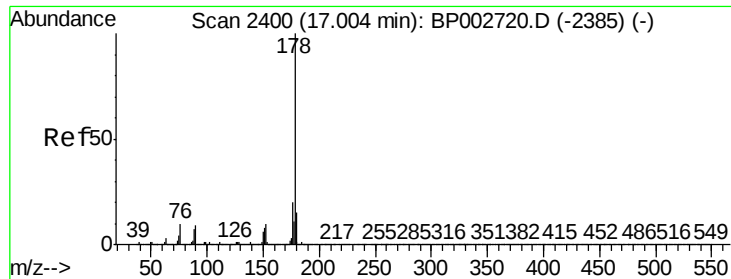
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7/21/2020 11:33:05 AM



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.96 min Scan# 2393  
Delta R.T. -0.01 min  
Lab File: BP002797.D  
Acq: 20 Jul 2020 13:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 836080 |       |       |
| 94      | 10.7  |        | 8.1   | 12.1  |
| 80      | 11.7  |        | 8.9   | 13.3  |





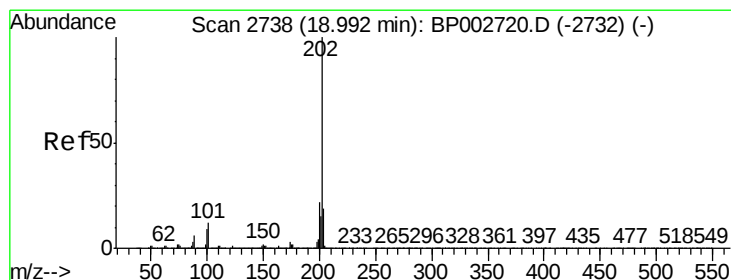
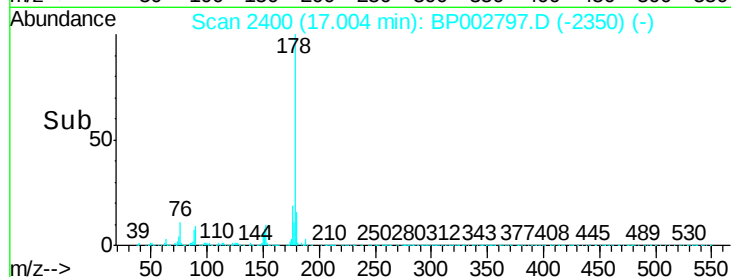
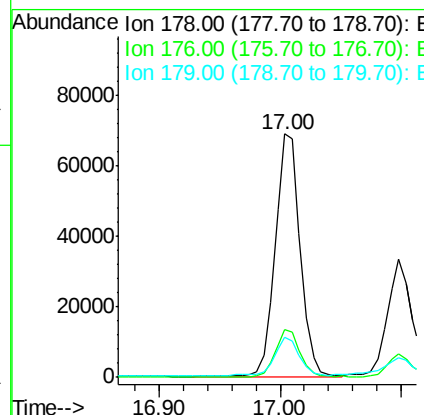
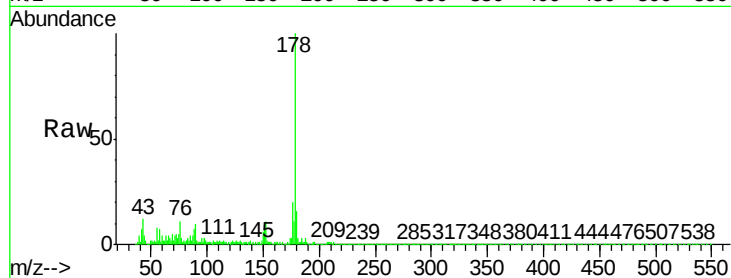
#71  
Phenanthrene  
Concen: 2.176 ng  
RT: 17.00 min Scan# 2400  
Delta R.T. -0.01 min  
Lab File: BP002797.D  
Acq: 20 Jul 2020 13:13

Instrument :  
BNA\_P  
ClientSampleId :  
AU-05-071720

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.6  | 15.9  | 23.9  |
| 179     | 16.4  | 12.3  | 18.5  |

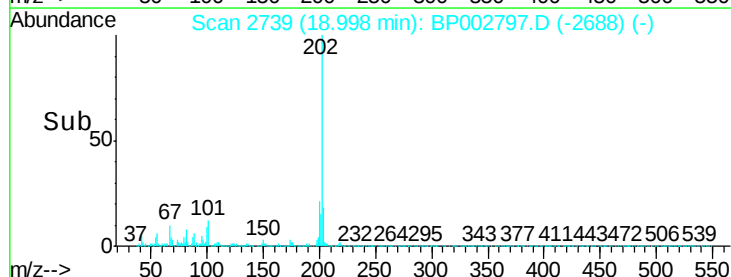
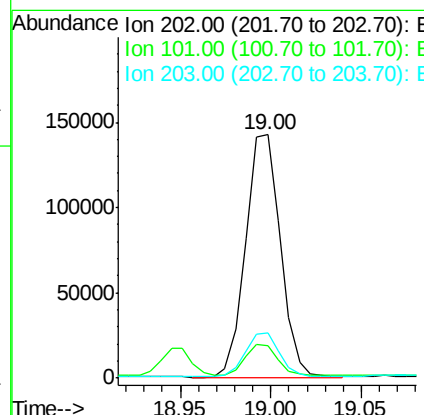
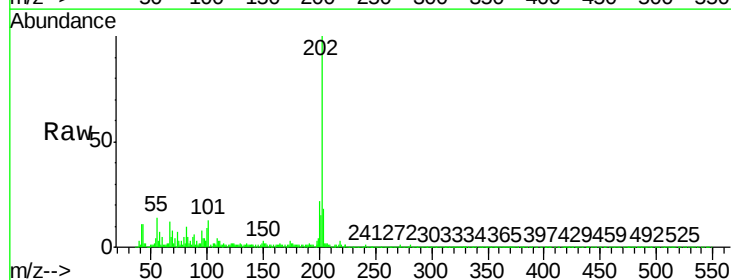
Manual Integrations  
APPROVED

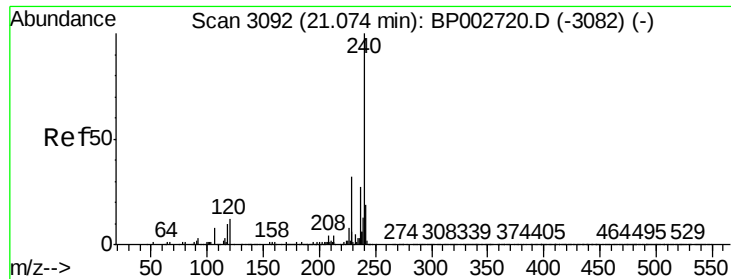
mohammad  
7/21/2020 11:33:05 AM



#75  
Fluoranthene  
Concen: 3.628 ng  
RT: 19.00 min Scan# 2739  
Delta R.T. 0.00 min  
Lab File: BP002797.D  
Acq: 20 Jul 2020 13:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 13.1  | 0.0   | 32.5  |
| 203     | 18.4  | 0.0   | 38.6  |





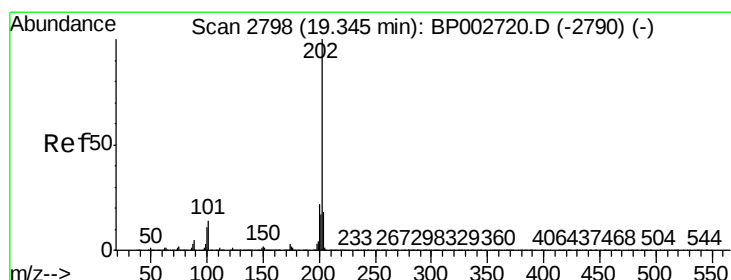
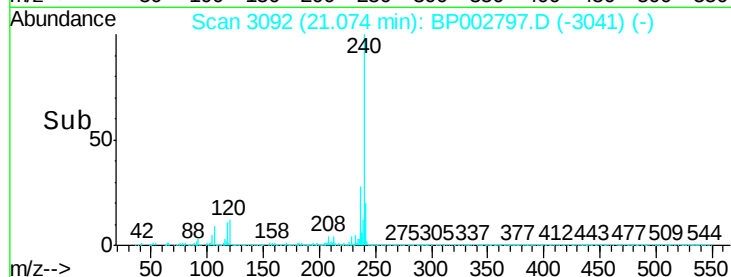
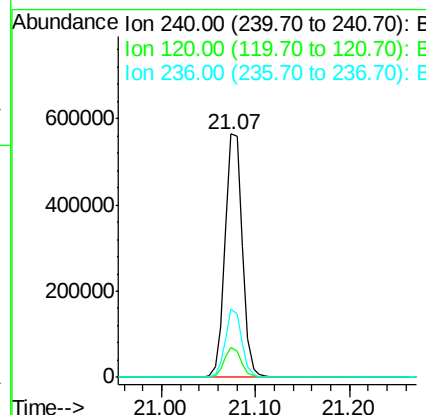
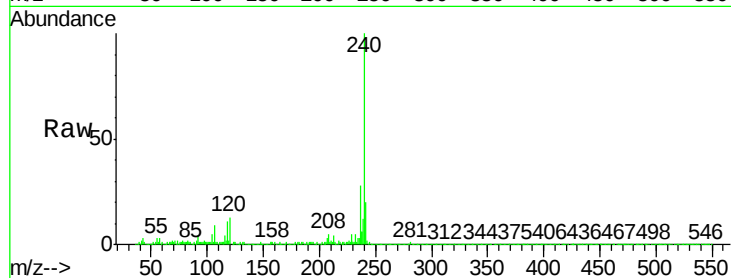
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.07 min Scan# 3092  
Delta R.T. 0.00 min  
Lab File: BP002797.D  
Acq: 20 Jul 2020 13:13

Instrument :  
BNA\_P  
ClientSampleId :  
AU-05-071720

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 722909 |       |       |
| 120     | 12.5  |        | 9.4   | 14.2  |
| 236     | 28.1  |        | 21.3  | 31.9  |

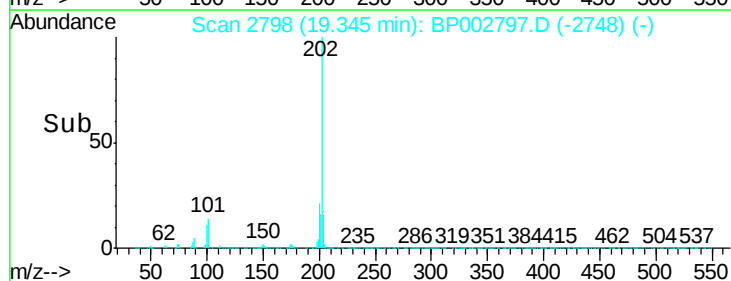
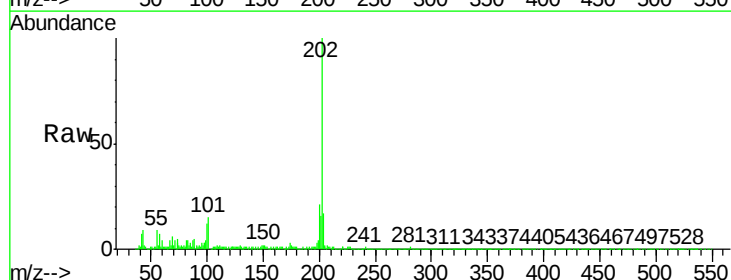
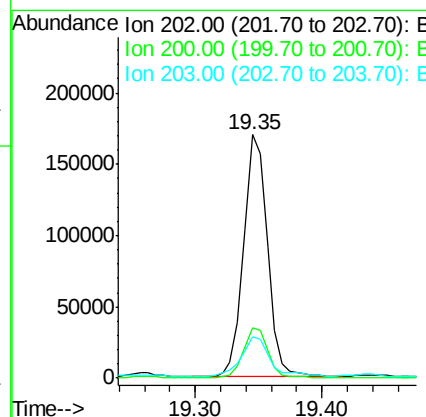
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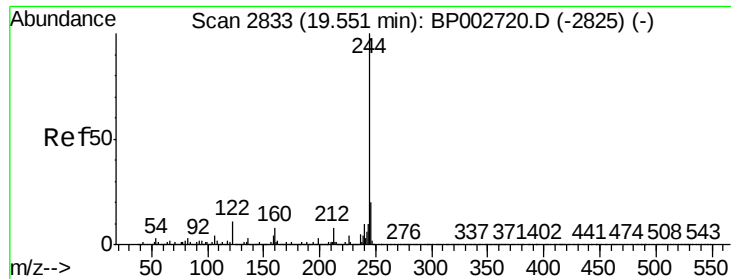
mohammad  
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#78  
Pyrene  
Concen: 4.437 ng  
RT: 19.35 min Scan# 2798  
Delta R.T. -0.01 min  
Lab File: BP002797.D  
Acq: 20 Jul 2020 13:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 221448 |       |       |
| 200     | 20.8  |        | 17.7  | 26.5  |
| 203     | 17.1  |        | 14.5  | 21.7  |





#79

Terphenyl-d14

Concen: 60.851 ng

RT: 19.56 min Scan# 2834

Delta R.T. 0.00 min

Lab File: BP002797.D

Acq: 20 Jul 2020 13:13

Instrument :

BNA\_P

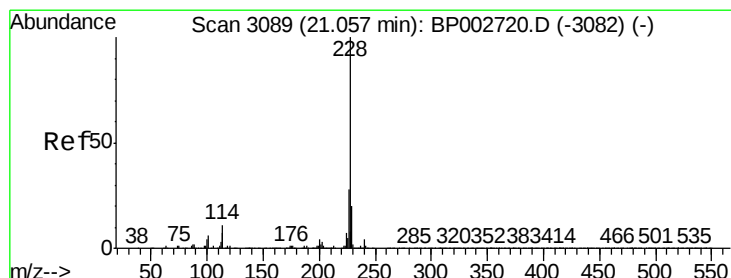
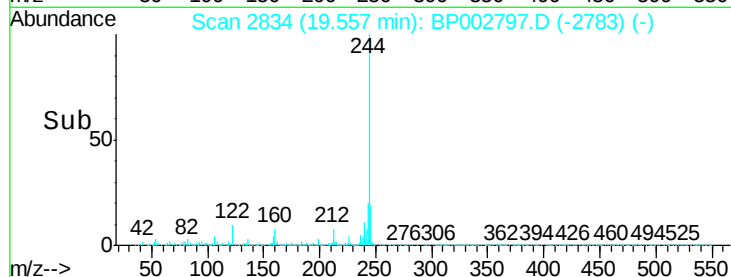
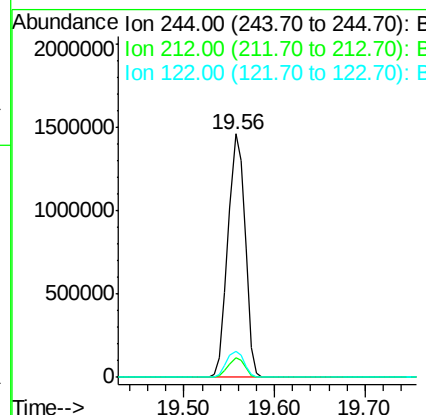
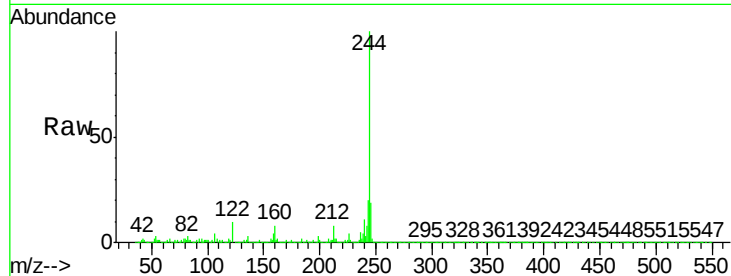
ClientSampleId :

AU-05-071720

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.9   | 6.0   | 9.0   |
| 122     | 10.4  | 8.9   | 13.3  |

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#81

Benzo(a)anthracene

Concen: 2.091 ng

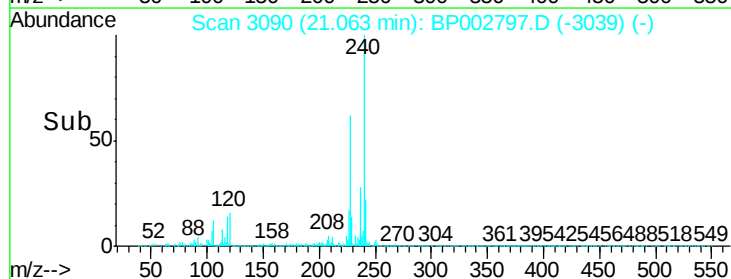
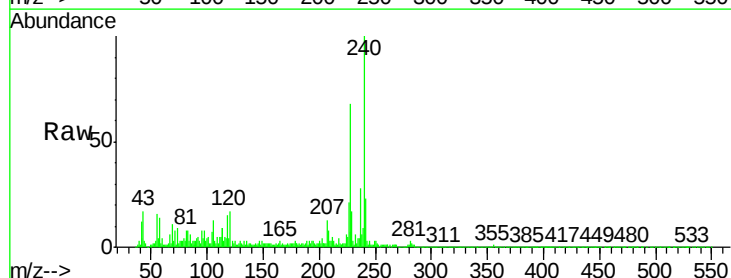
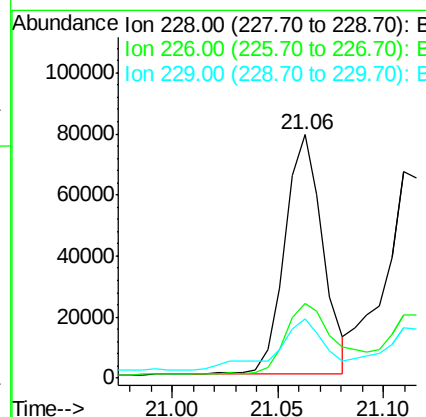
RT: 21.06 min Scan# 3090

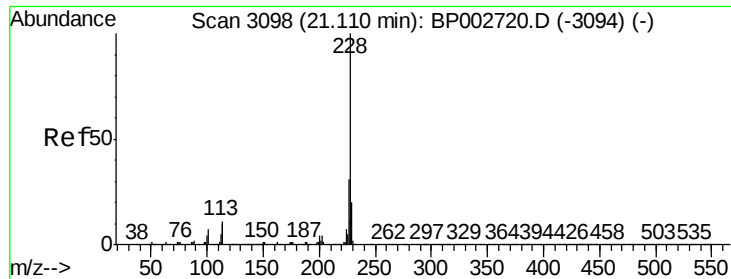
Delta R.T. 0.00 min

Lab File: BP002797.D

Acq: 20 Jul 2020 13:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.6  | 22.6  | 34.0  |
| 229     | 24.5  | 16.0  | 24.0  |





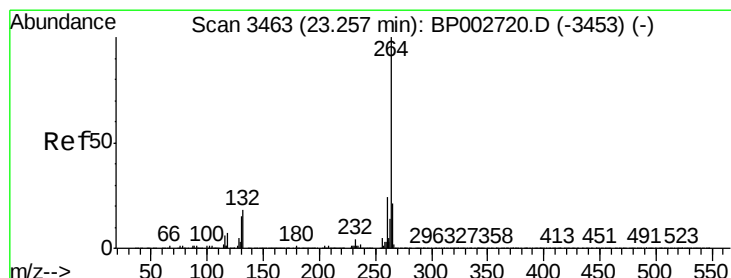
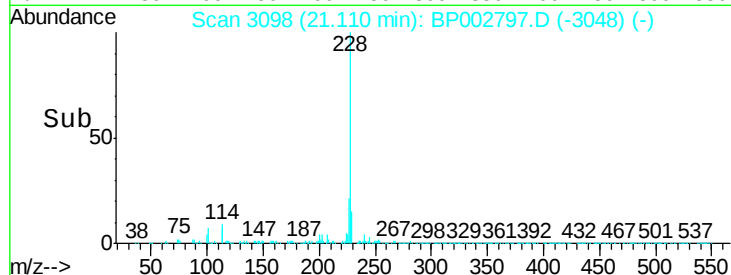
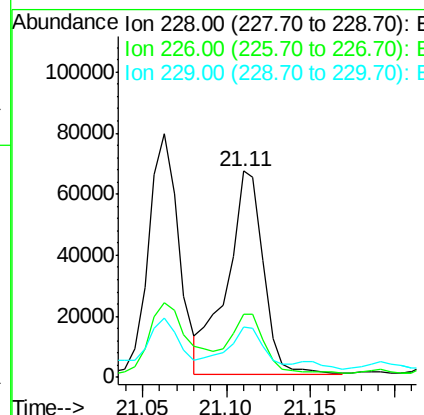
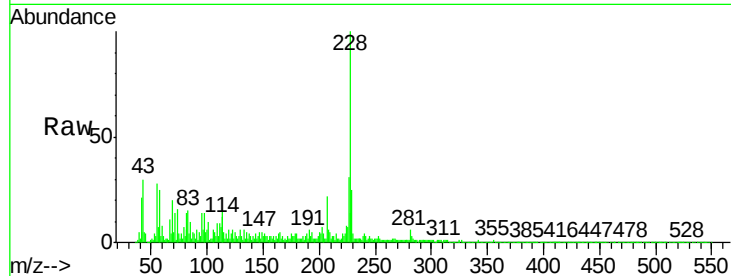
#83  
Chrysene  
Concen: 2.261 ng/mL  
RT: 21.11 min Scan# 3098  
Delta R.T. -0.01 min  
Lab File: BP002797.D  
Acq: 20 Jul 2020 13:13

Instrument :  
BNA\_P  
ClientSampled :  
AU-05-071720

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 228   | Resp: | 100729 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 30.6  | 24.6  | 37.0   |
| 229       | 24.7  | 15.7  | 23.5   |

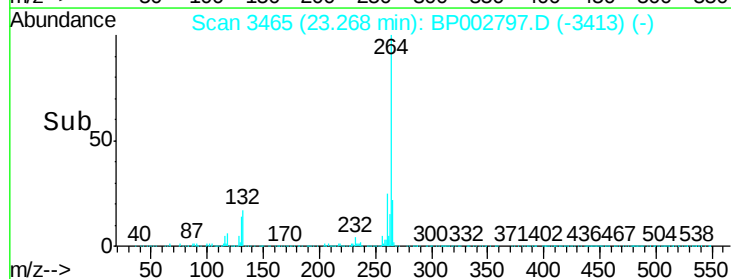
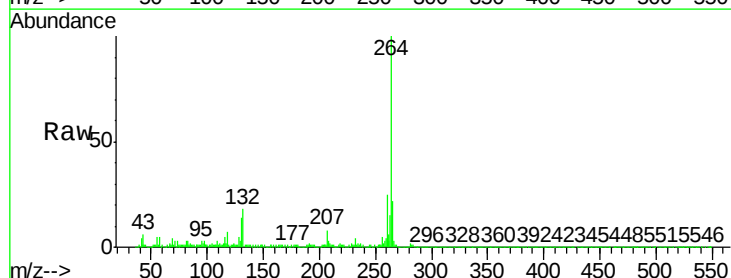
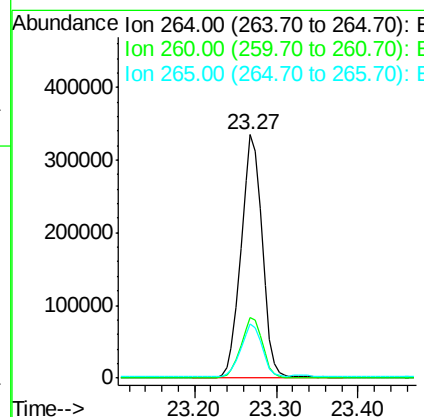
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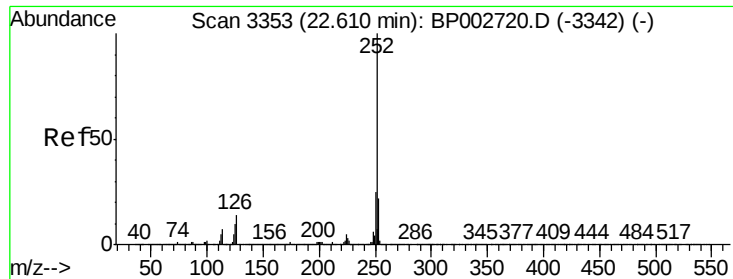
mohammad  
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#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.27 min Scan# 3465  
Delta R.T. 0.01 min  
Lab File: BP002797.D  
Acq: 20 Jul 2020 13:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 600604 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 24.9  | 19.3  | 28.9   |
| 265       | 22.1  | 16.8  | 25.2   |





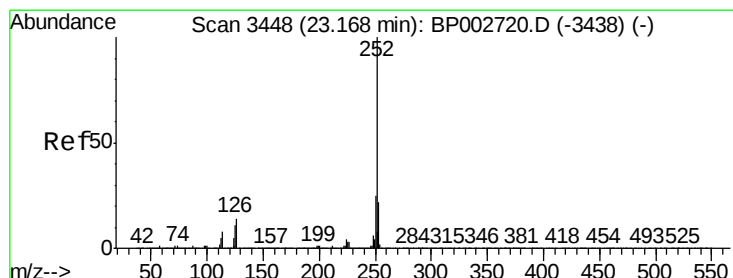
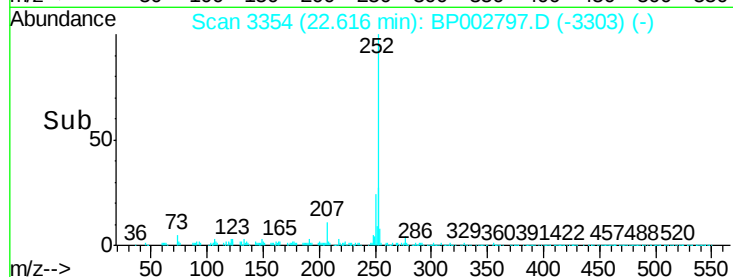
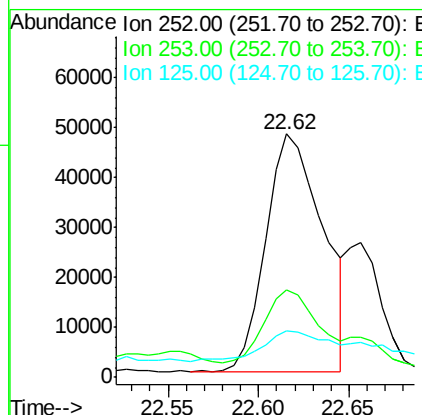
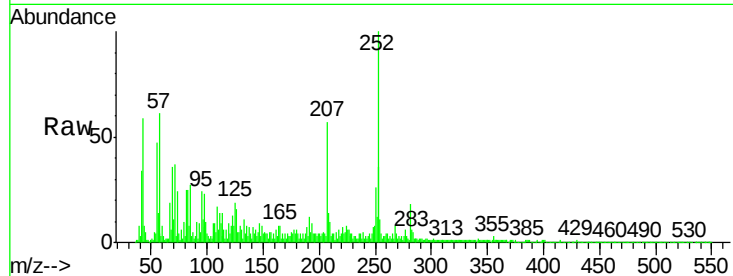
#88  
Benzo(b)fluoranthene  
Concen: 2.805 ng  
RT: 22.62 min Scan# 3354  
Delta R.T. 0.00 min  
Lab File: BP002797.D  
Acq: 20 Jul 2020 13:13

Instrument :  
BNA\_P  
ClientSampleId :  
AU-05-071720

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 35.9  | 17.7  | 26.5# |
| 125     | 18.8  | 8.2   | 12.2# |

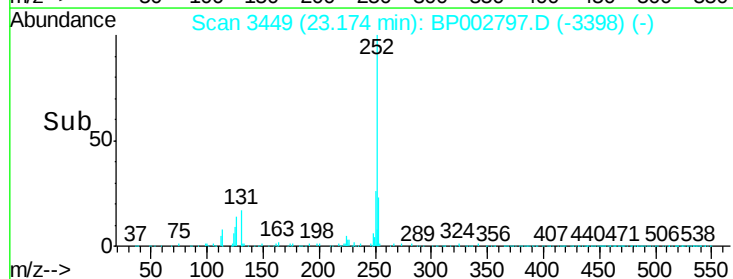
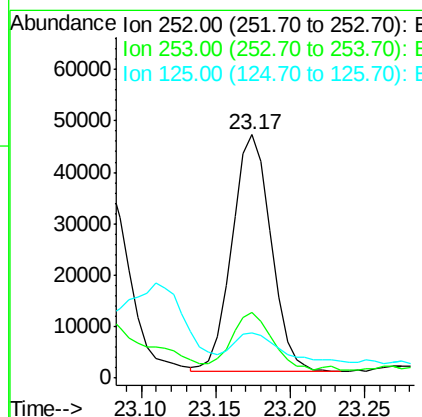
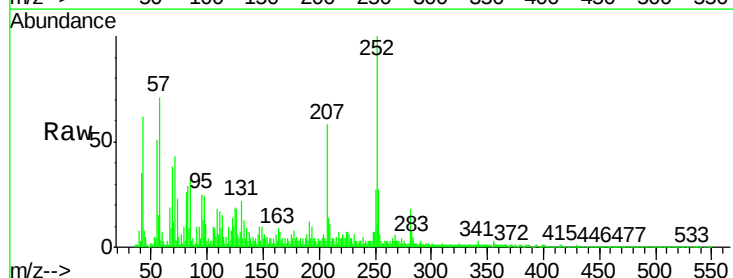
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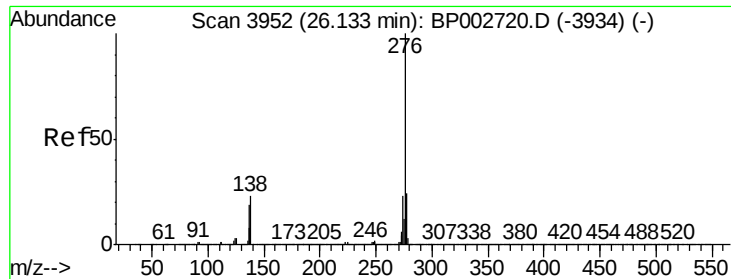
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#90  
Benzo(a)pyrene  
Concen: 2.376 ng  
RT: 23.17 min Scan# 3449  
Delta R.T. 0.00 min  
Lab File: BP002797.D  
Acq: 20 Jul 2020 13:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.8  | 17.6  | 26.4# |
| 125     | 18.8  | 8.6   | 13.0# |





#92  
 Benzo(a,h,i)perylene  
 Concen: 2.017 ng  
 RT: 26.15 min Scan# 3955  
 Delta R.T. 0.01 min  
 Lab File: BP002797.D  
 Acq: 20 Jul 2020 13:13

Instrument :  
 BNA\_P  
 ClientSampleId :  
 AU-05-071720

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 28.1  | 19.1  | 28.7  |
| 138     | 26.6  | 18.3  | 27.5  |

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