

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\  
 Data File : BP003280.D  
 Acq On : 14 Sep 2020 21:47  
 Operator : CG/JU  
 Sample : L3869-01 2X  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 OR-03-091120

Manual Integrations  
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 9/15/2020 1:22:07 PM

Quant Time: Sep 15 04:44:45 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP082420.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 01 14:37:05 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.64  | 152  | 239731   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.42 | 136  | 958516   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.28 | 164  | 545496   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 17.04 | 188  | 974477   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.13 | 240  | 846697   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 23.37 | 264  | 963157   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.26  | 112  | 423358   | 31.22  | ng    | 0.00     |
| 7) Phenol-d6                | 6.83  | 99   | 520714   | 30.63  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.79  | 82   | 316626   | 23.81  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 15.78 | 330  | 217637   | 29.50  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 12.90 | 172  | 876029   | 23.52  | ng    | -0.02    |
| 79) Terphenyl-d14           | 19.62 | 244  | 822513   | 21.38  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 49) Acenaphthylene          | 14.00 | 152  | 154924   | 3.059  | ng    | 97       |
| 71) Phenanthrene            | 17.08 | 178  | 283124   | 5.362  | ng    | 100      |
| 72) Anthracene              | 17.17 | 178  | 108620   | 2.149  | ng    | 98       |
| 75) Fluoranthene            | 19.06 | 202  | 440605   | 7.220  | ng    | 99       |
| 78) Pyrene                  | 19.41 | 202  | 577425   | 10.508 | ng    | 99       |
| 81) Benzo(a)anthracene      | 21.12 | 228  | 282127m  | 5.320  | ng    |          |
| 83) Chrysene                | 21.17 | 228  | 319735   | 6.296  | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene  | 25.64 | 276  | 165567   | 2.305  | ng    | 96       |
| 88) Benzo(b)fluoranthene    | 22.70 | 252  | 310777   | 5.191  | ng    | # 89     |
| 90) Benzo(a)pyrene          | 23.27 | 252  | 267500   | 4.817  | ng    | 94       |
| 92) Benzo(g,h,i)perylene    | 26.33 | 276  | 195201   | 3.297  | ng    | 97       |

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

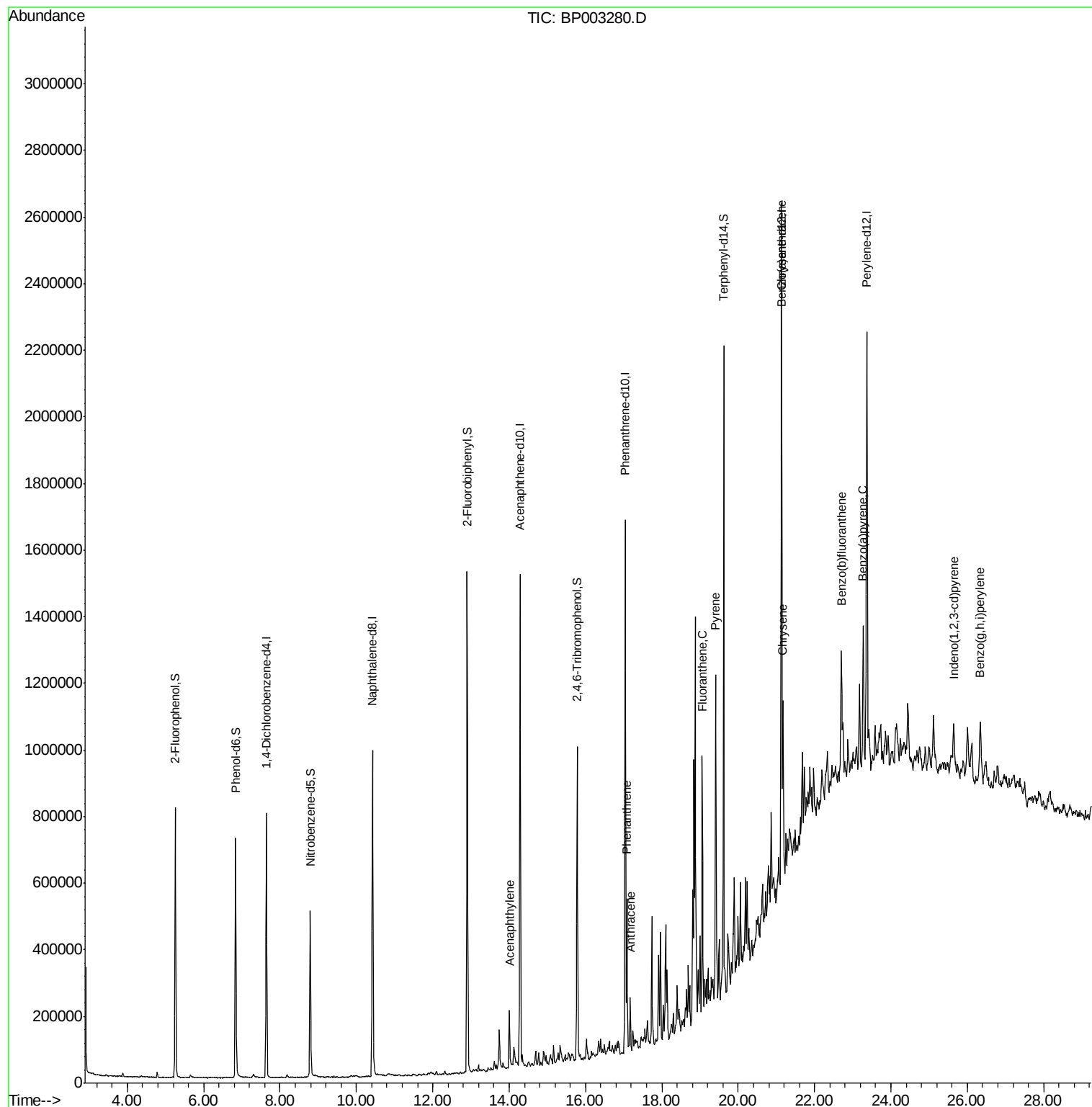
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\  
Data File : BP003280.D  
Acq On : 14 Sep 2020 21:47  
Operator : CG/JU  
Sample : L3869-01 2X  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

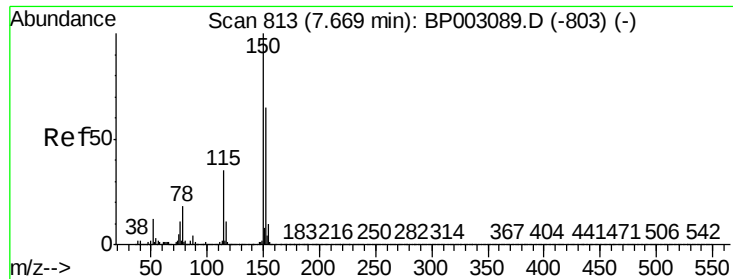
Instrument :  
BNA\_P  
ClientSampleId :  
OR-03-091120

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Quant Time: Sep 15 04:44:45 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP082420.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Sep 01 14:37:05 2020  
Response via : Initial Calibration





#1

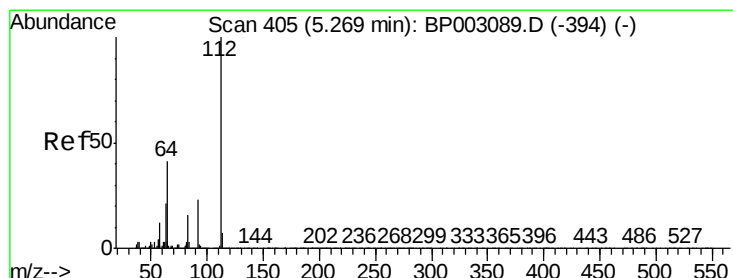
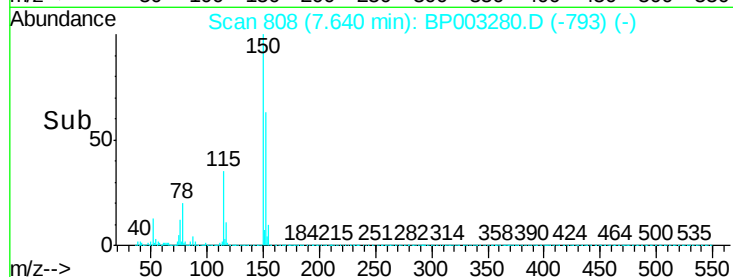
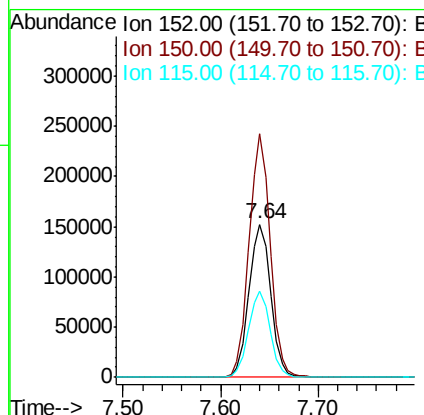
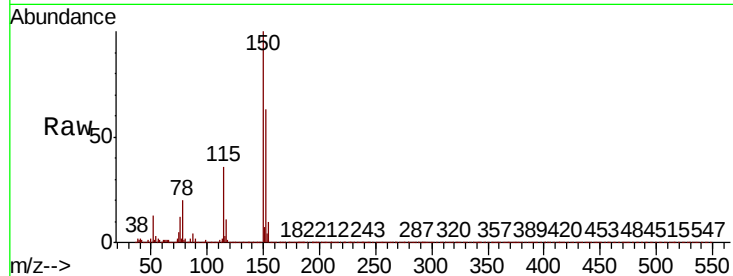
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.64 min Scan# 808  
Delta R.T. -0.01 min  
Lab File: BP003280.D  
Acq: 14 Sep 2020 21:47

Instrument :  
BNA\_P  
ClientSampleId :  
OR-03-091120

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 159.4 | 123.8 | 185.6 |
| 115     | 56.6  | 43.8  | 65.6  |

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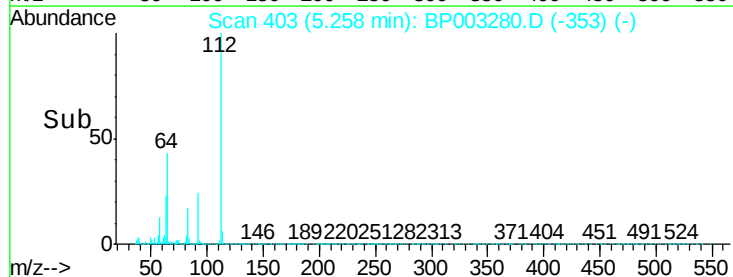
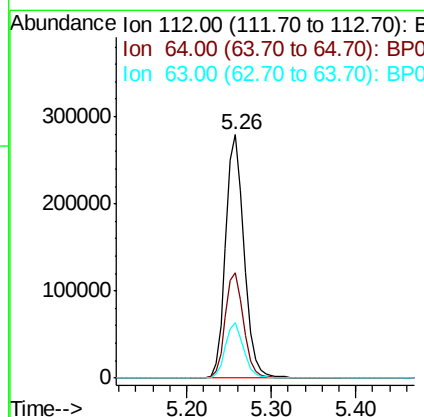
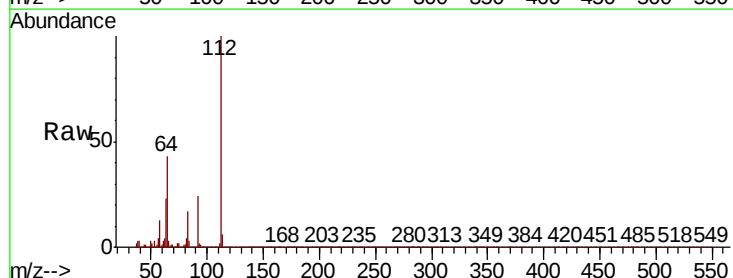
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#5

2-Fluorophenol  
Concen: 31.223 ng  
RT: 5.26 min Scan# 403  
Delta R.T. -0.01 min  
Lab File: BP003280.D  
Acq: 14 Sep 2020 21:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 43.5  | 32.8  | 49.2  |
| 63      | 22.6  | 17.0  | 25.4  |





#7

Phenol-d6

Concen: 30.635 ng

RT: 6.83 min Scan# 671

Delta R.T. 0.00 min

Lab File: BP003280.D

Acq: 14 Sep 2020 21:47

Instrument :

BNA\_P

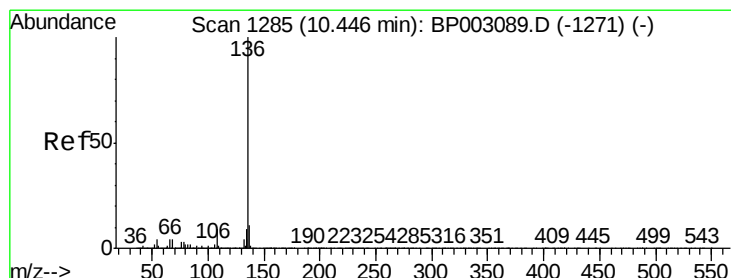
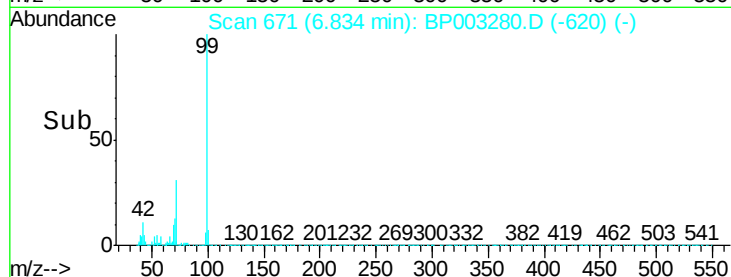
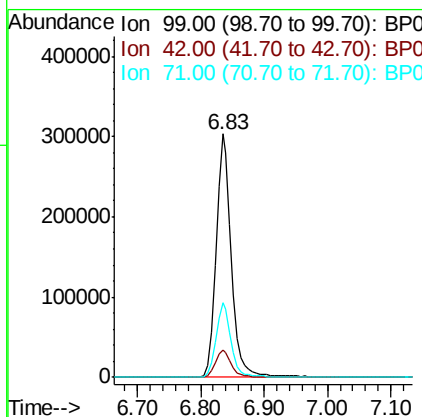
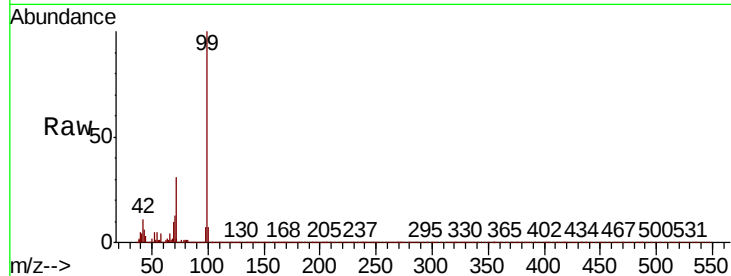
ClientSampleId :

OR-03-091120

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 520714 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 11.5  | 8.6   | 13.0   |
| 71        | 30.8  | 23.4  | 35.2   |

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#21

Naphthalene-d8

Concen: 20.000 ng

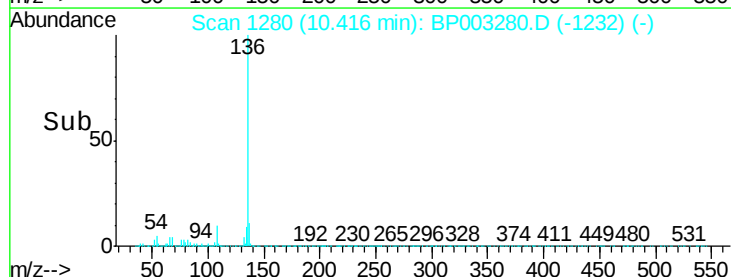
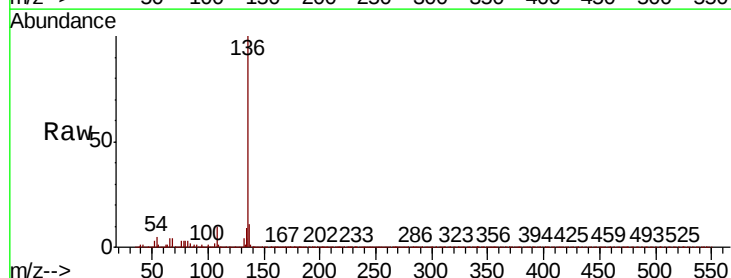
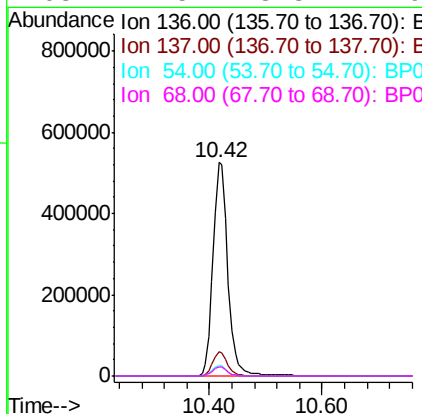
RT: 10.42 min Scan# 1280

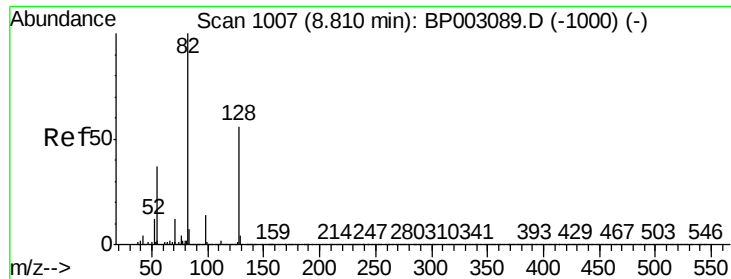
Delta R.T. -0.02 min

Lab File: BP003280.D

Acq: 14 Sep 2020 21:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 958516 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.3  | 8.6   | 13.0   |
| 54        | 4.8   | 3.6   | 5.4    |
| 68        | 4.5   | 3.3   | 4.9    |





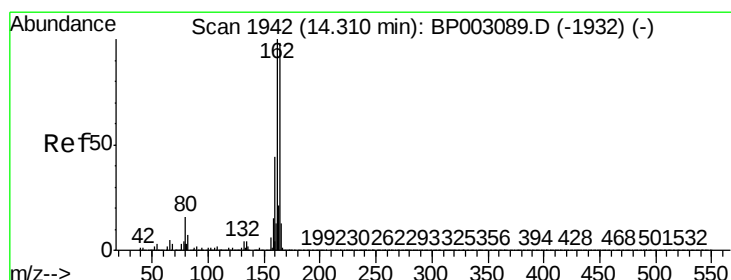
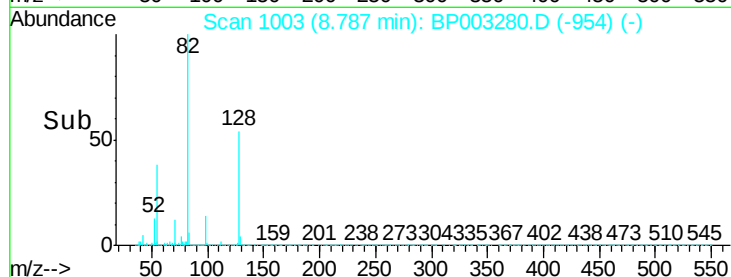
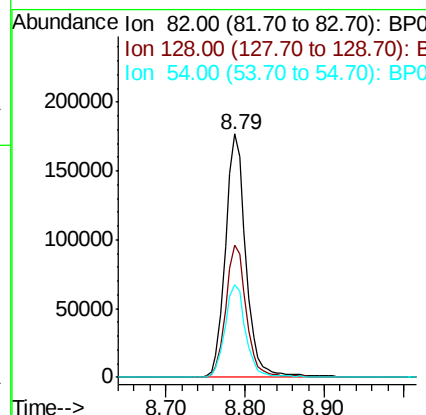
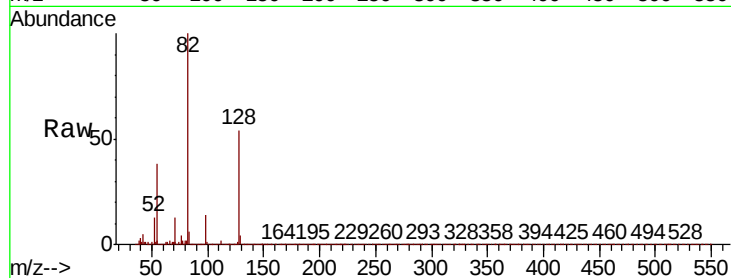
#23  
 Nitrobenzene-d5  
 Concen: 23.814 ng  
 RT: 8.79 min Scan# 1003  
 Delta R.T. -0.01 min  
 Lab File: BP003280.D  
 Acq: 14 Sep 2020 21:47

Instrument :  
 BNA\_P  
 ClientSampleId :  
 OR-03-091120

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 54.4  | 45.6 | 68.4  |       |
| 54      | 37.8  | 30.1 | 45.1  |       |

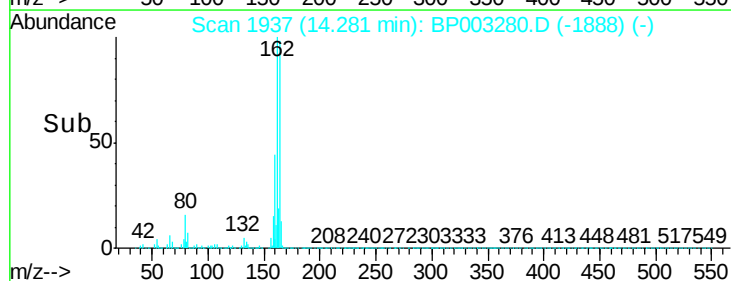
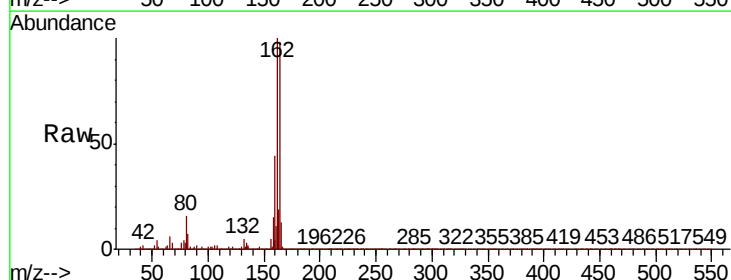
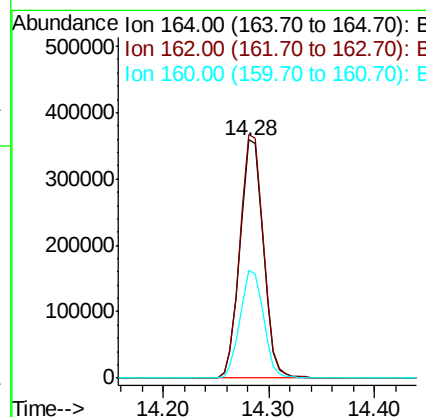
Manual Integrations  
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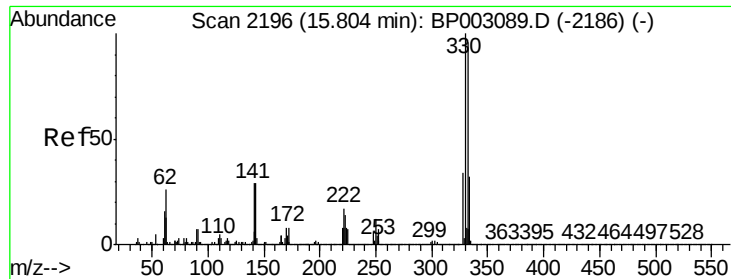
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#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.28 min Scan# 1937  
 Delta R.T. -0.01 min  
 Lab File: BP003280.D  
 Acq: 14 Sep 2020 21:47

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 164     | 100   |      |       |       |
| 162     | 102.3 | 79.4 | 119.2 |       |
| 160     | 45.1  | 36.1 | 54.1  |       |





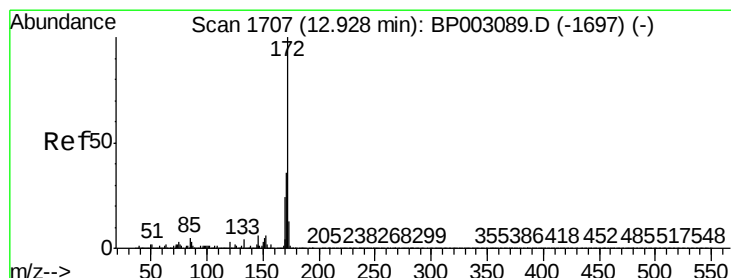
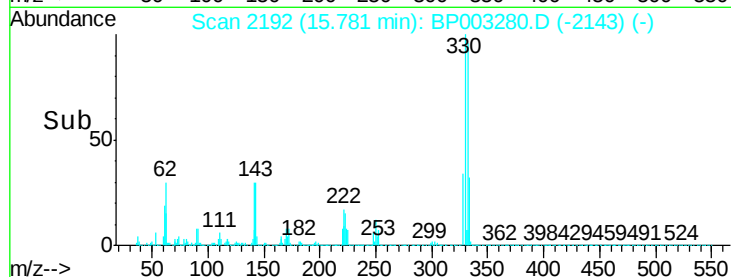
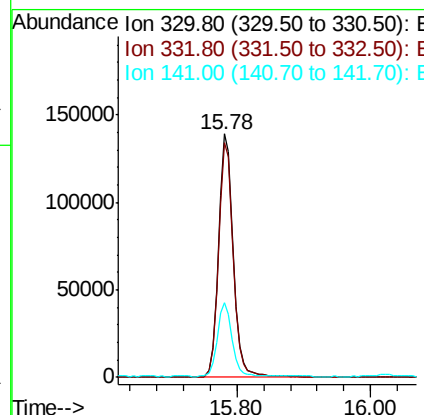
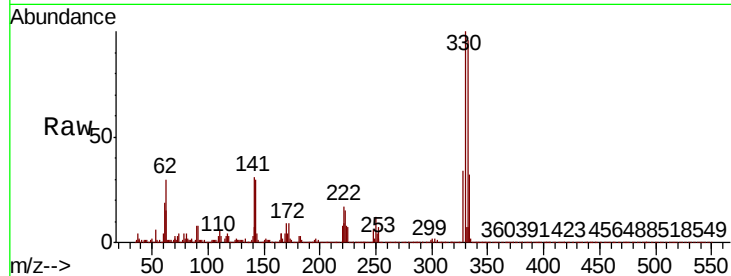
#42  
2,4,6-Tribromophenol  
Concen: 29.499 ng  
RT: 15.78 min Scan# 2192  
Delta R.T. -0.01 min  
Lab File: BP003280.D  
Acq: 14 Sep 2020 21:47

Instrument :  
BNA\_P  
ClientSampleId :  
OR-03-091120

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 217637 |       |       |
| 332     | 96.6  | 77.1   | 115.7 |       |
| 141     | 30.0  | 23.4   | 35.2  |       |

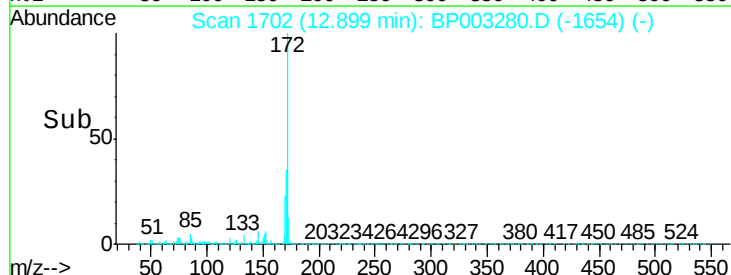
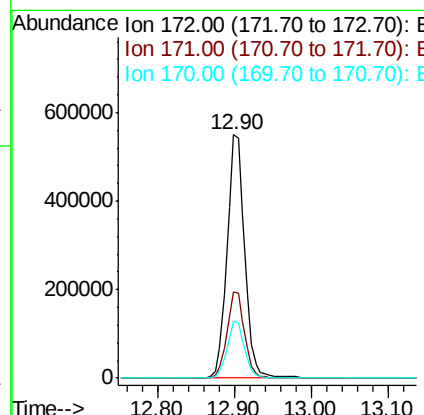
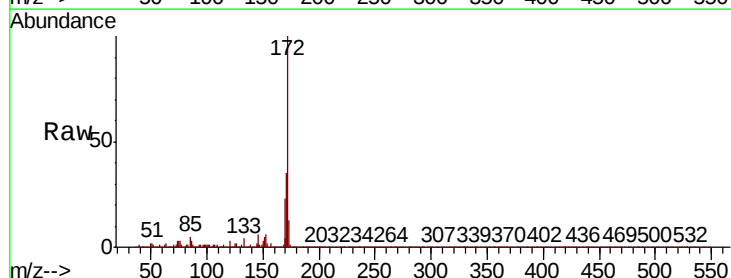
Manual Integrations  
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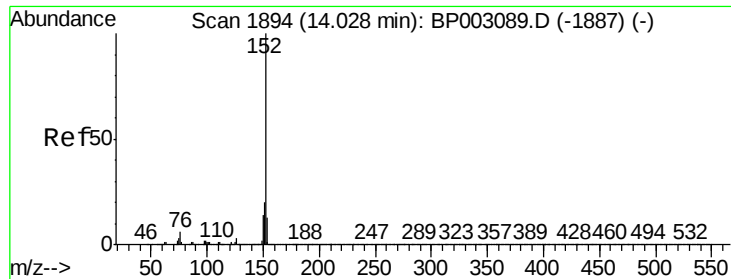
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#45  
2-Fluorobiphenyl  
Concen: 23.518 ng  
RT: 12.90 min Scan# 1702  
Delta R.T. -0.02 min  
Lab File: BP003280.D  
Acq: 14 Sep 2020 21:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 876029 |       |       |
| 171     | 35.3  | 28.5   | 42.7  |       |
| 170     | 23.4  | 19.2   | 28.8  |       |





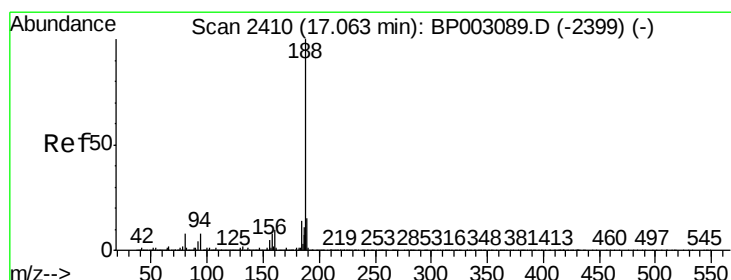
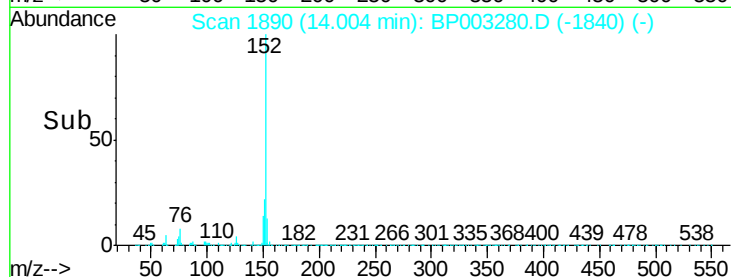
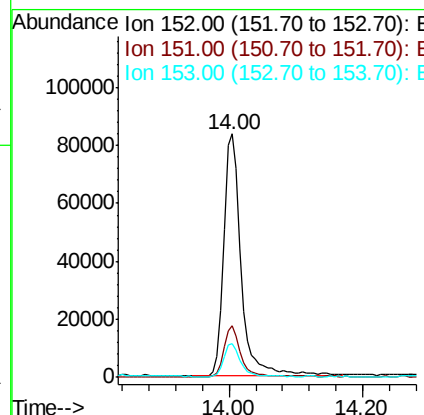
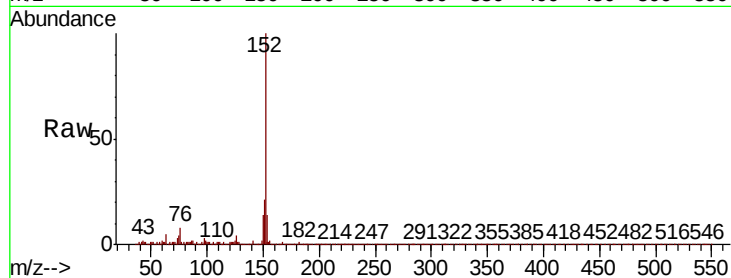
#49  
Acenaphthylene  
Concen: 3.059 ng  
RT: 14.00 min Scan# 1890  
Delta R.T. -0.01 min  
Lab File: BP003280.D  
Acq: 14 Sep 2020 21:47

Instrument :  
BNA\_P  
ClientSampleId :  
OR-03-091120

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 152     | 100  |       | 154924 |       |       |
| 151     | 21.4 | 15.9  | 23.9   |       |       |
| 153     | 13.8 | 10.5  | 15.7   |       |       |

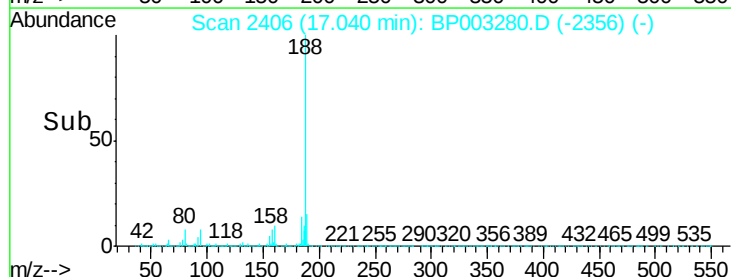
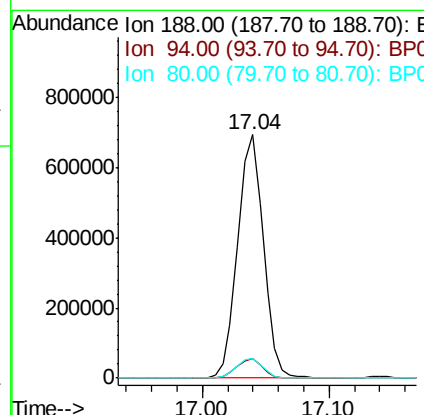
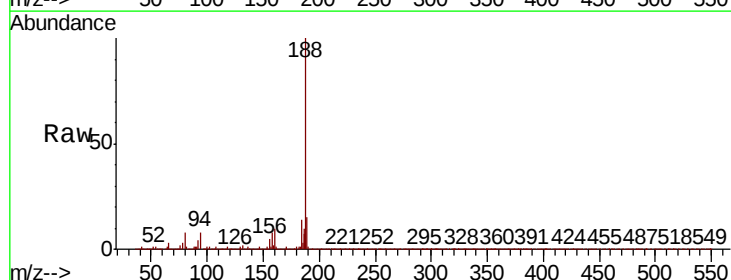
Manual Integrations  
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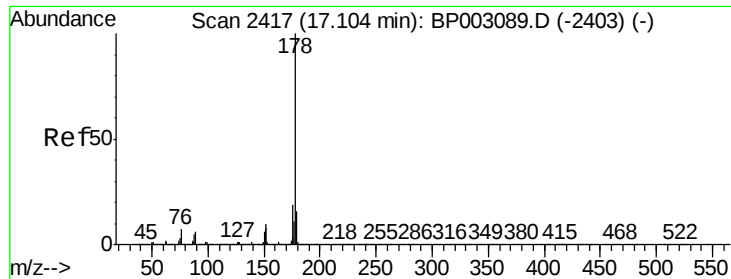
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#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.04 min Scan# 2406  
Delta R.T. -0.01 min  
Lab File: BP003280.D  
Acq: 14 Sep 2020 21:47

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 188     | 100 |       | 974477 |       |       |
| 94      | 7.9 | 6.2   | 9.2    |       |       |
| 80      | 8.1 | 6.2   | 9.2    |       |       |





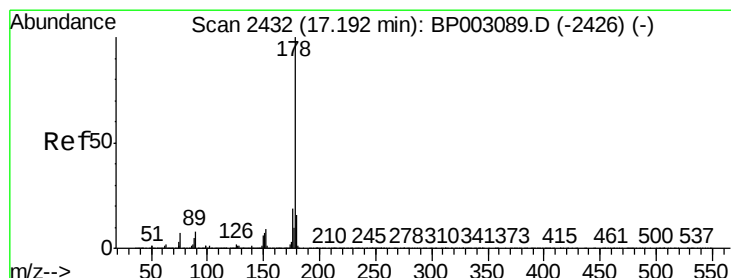
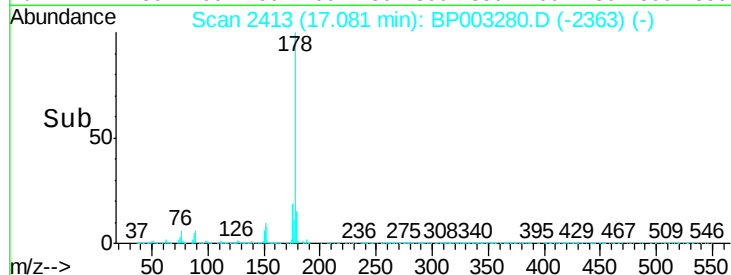
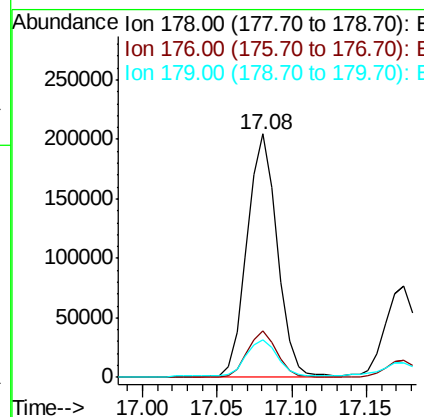
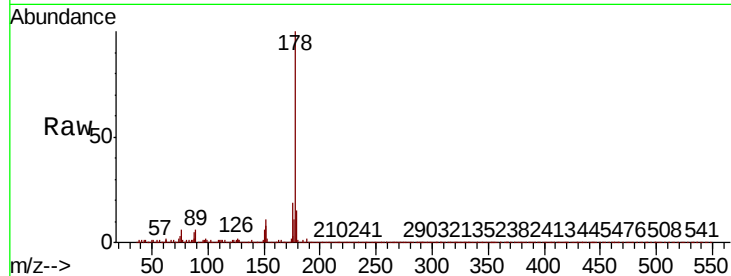
#71  
Phenanthrene  
Concen: 5.362 ng  
RT: 17.08 min Scan# 2413  
Delta R.T. -0.01 min  
Lab File: BP003280.D  
Acq: 14 Sep 2020 21:47

Instrument :  
BNA\_P  
ClientSampled :  
OR-03-091120

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.1  | 15.3  | 22.9  |
| 179     | 15.2  | 12.5  | 18.7  |

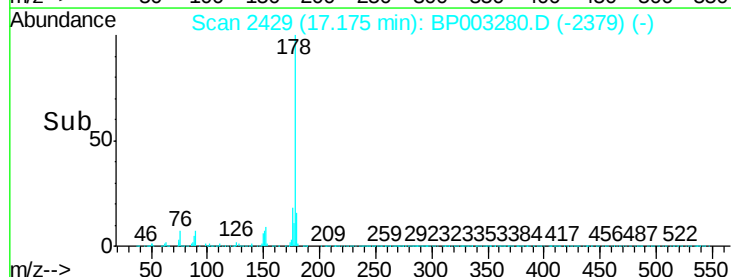
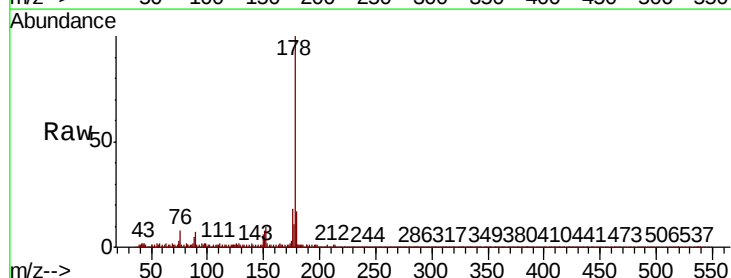
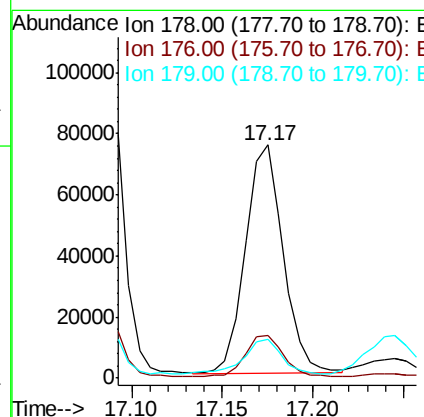
Manual Integrations  
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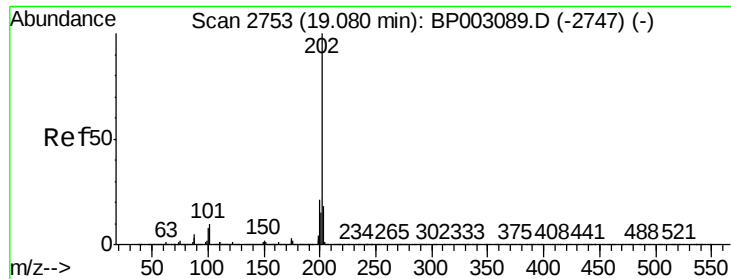
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#72  
Anthracene  
Concen: 2.149 ng  
RT: 17.17 min Scan# 2429  
Delta R.T. -0.01 min  
Lab File: BP003280.D  
Acq: 14 Sep 2020 21:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.2  | 15.0  | 22.4  |
| 179     | 16.6  | 12.5  | 18.7  |





#75

Fluoranthene

Concen: 7.220 ng

RT: 19.06 min Scan# 2749

Delta R.T. -0.01 min

Lab File: BP003280.D

Acq: 14 Sep 2020 21:47

Instrument :

BNA\_P

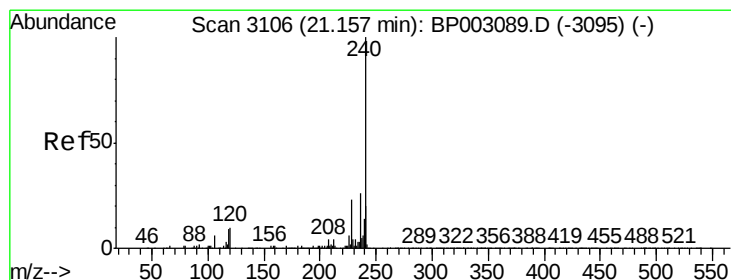
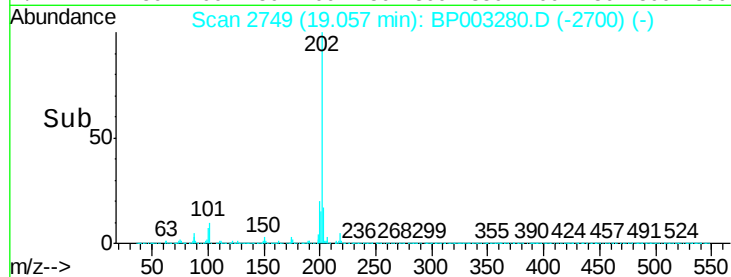
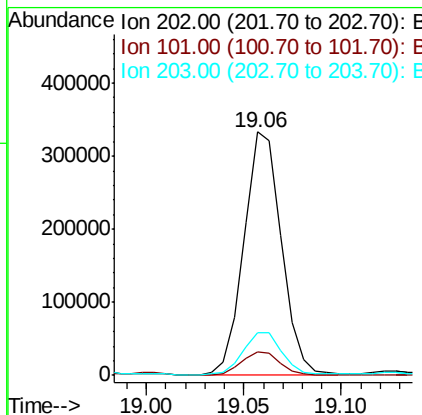
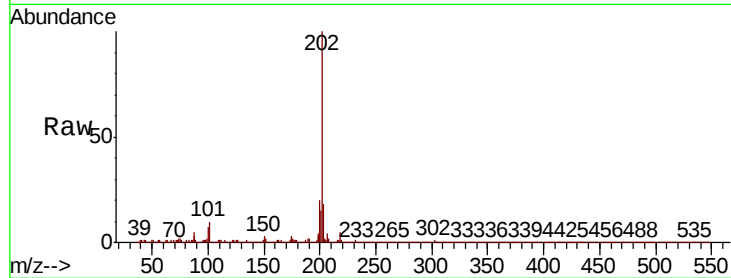
ClientSampleId :

OR-03-091120

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 202     | 100  |       | 440605 |       |       |
| 101     | 9.8  | 0.0   | 29.4   |       |       |
| 203     | 17.7 | 0.0   | 37.8   |       |       |

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#76

Chrysene-d12

Concen: 20.000 ng

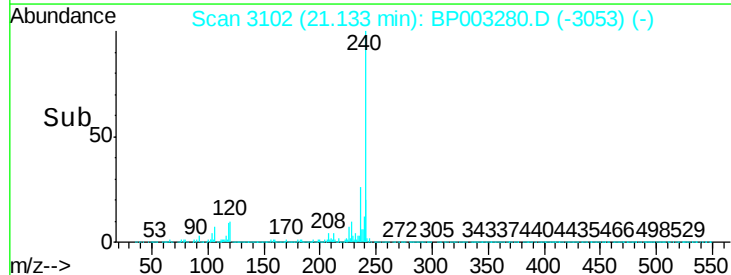
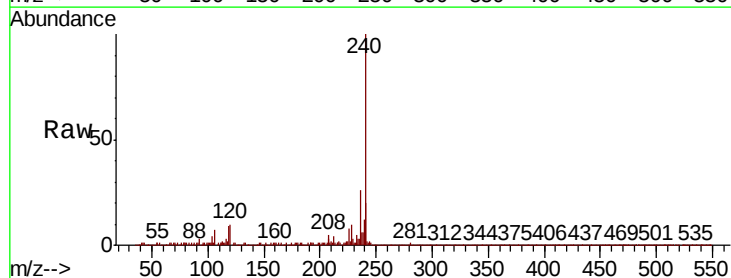
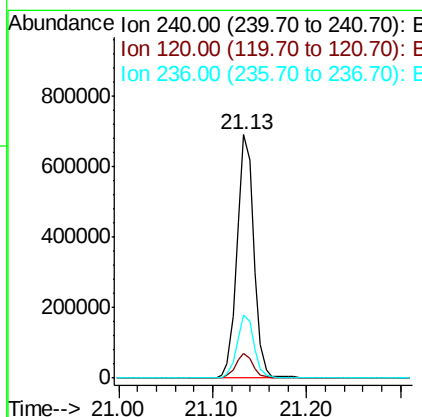
RT: 21.13 min Scan# 3102

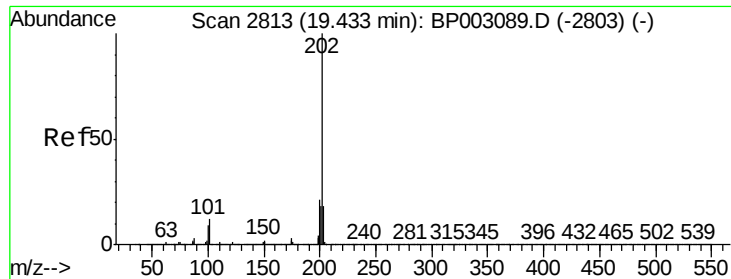
Delta R.T. -0.01 min

Lab File: BP003280.D

Acq: 14 Sep 2020 21:47

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 240     | 100  |       | 846697 |       |       |
| 120     | 10.2 | 7.8   | 11.6   |       |       |
| 236     | 26.0 | 20.8  | 31.2   |       |       |





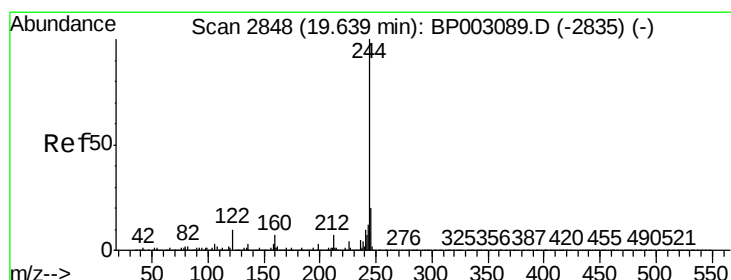
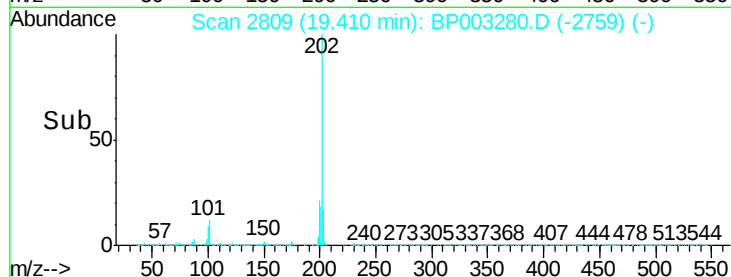
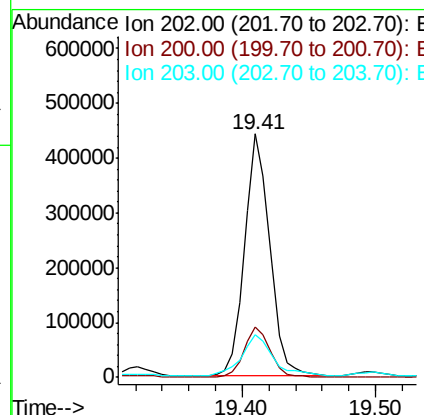
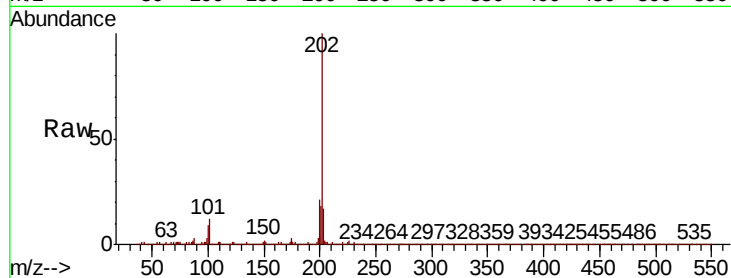
#78  
Pvrene  
Concen: 10.508 ng  
RT: 19.41 min Scan# 2809  
Delta R.T. -0.01 min  
Lab File: BP003280.D  
Acq: 14 Sep 2020 21:47

Instrument :  
BNA\_P  
ClientSampleId :  
OR-03-091120

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 200     | 20.9  | 17.1       | 25.7  |
| 203     | 17.4  | 14.2       | 21.2  |

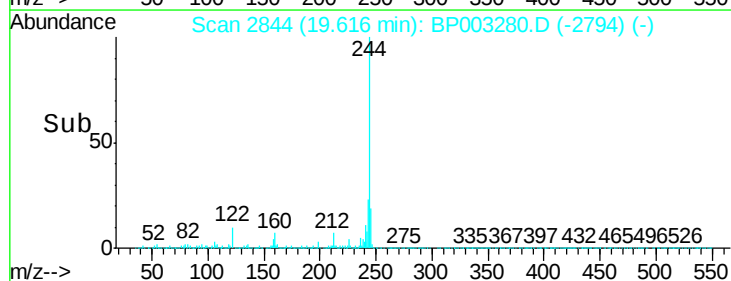
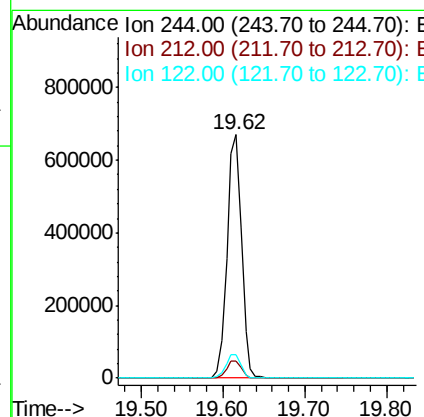
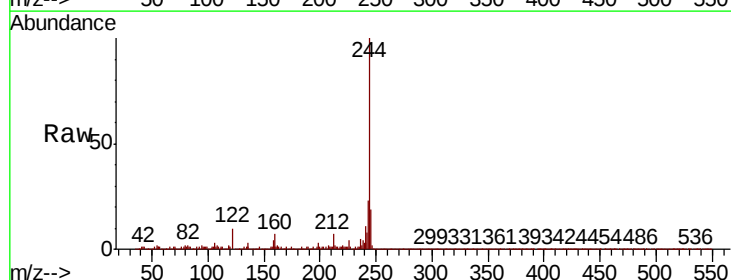
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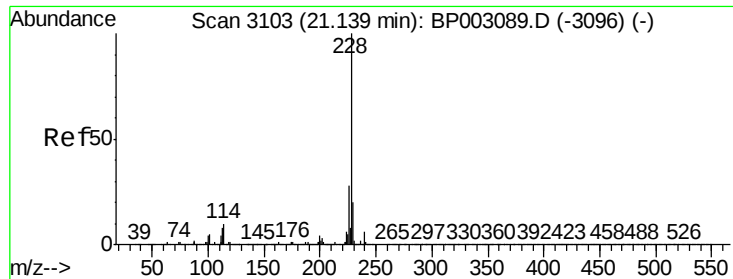
mohammad  
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#79  
Terphenyl-d14  
Concen: 21.376 ng  
RT: 19.62 min Scan# 2844  
Delta R.T. -0.01 min  
Lab File: BP003280.D  
Acq: 14 Sep 2020 21:47

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 244     | 100   |            |       |
| 212     | 7.2   | 5.8        | 8.6   |
| 122     | 9.6   | 7.8        | 11.8  |





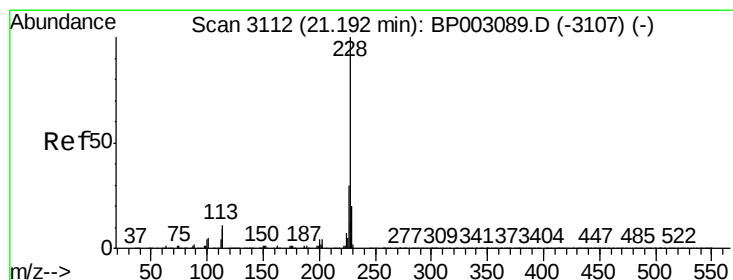
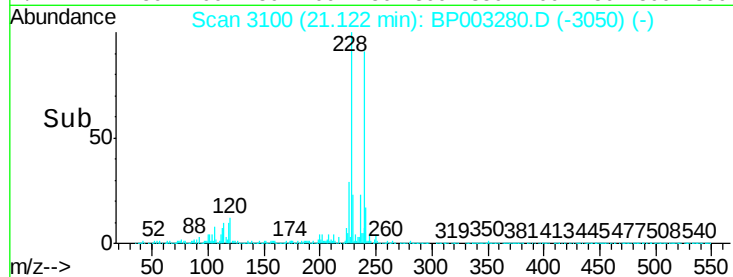
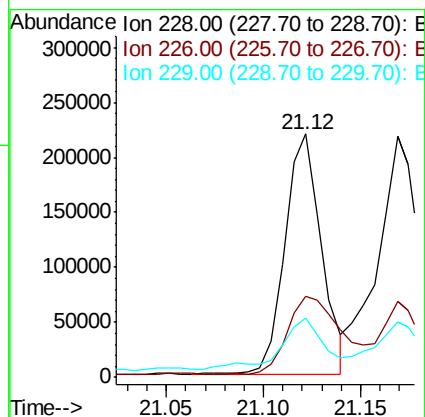
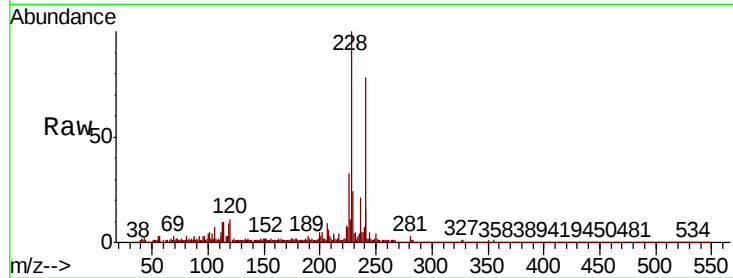
#81  
Benzo(a)anthracene  
Concen: 5.320 ng m  
RT: 21.12 min Scan# 3100  
Delta R.T. -0.01 min  
Lab File: BP003280.D  
Acq: 14 Sep 2020 21:47

Instrument :  
BNA\_P  
ClientSampleId :  
OR-03-091120

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 33.3  | 22.1  | 33.1# |
| 229     | 24.3  | 15.9  | 23.9# |

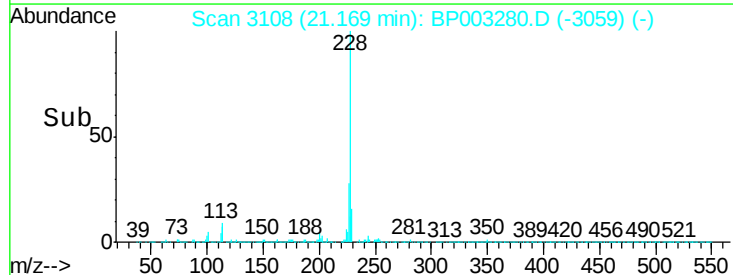
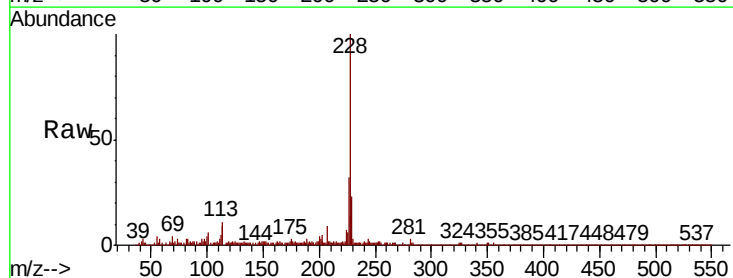
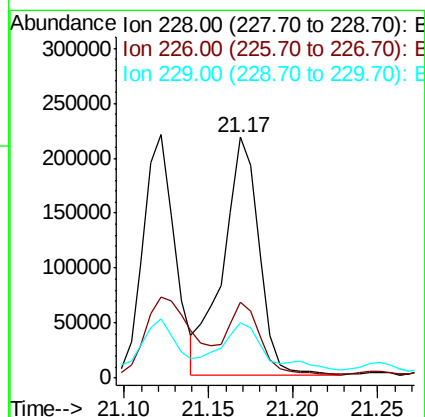
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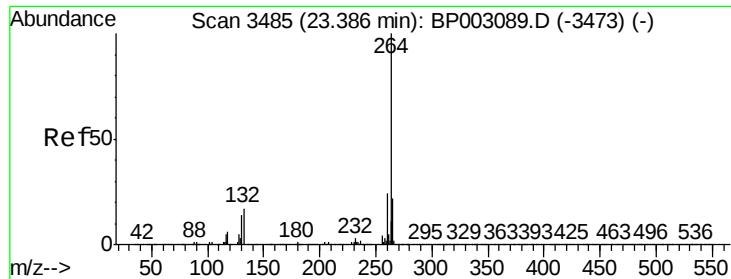
mohammad  
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#83  
Chrysene  
Concen: 6.296 ng  
RT: 21.17 min Scan# 3108  
Delta R.T. -0.01 min  
Lab File: BP003280.D  
Acq: 14 Sep 2020 21:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.6  | 24.4  | 36.6  |
| 229     | 23.2  | 15.8  | 23.6  |





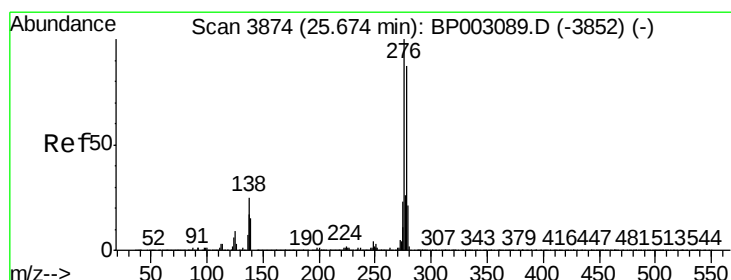
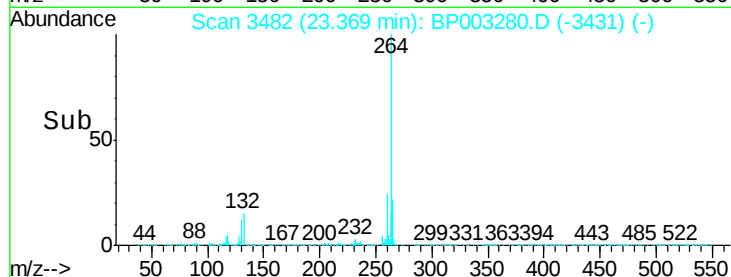
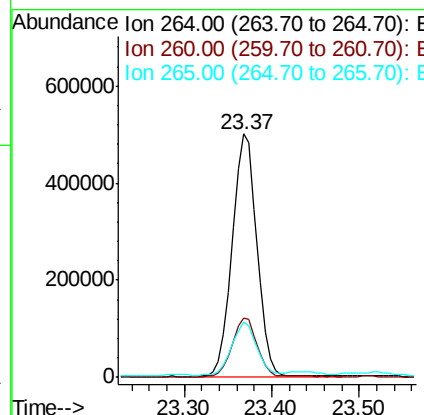
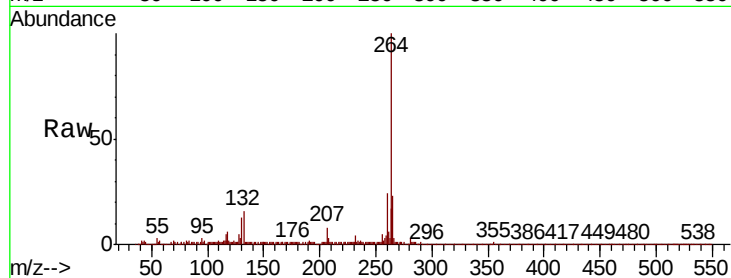
#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 23.37 min Scan# 3482  
Delta R.T. 0.00 min  
Lab File: BP003280.D  
Acq: 14 Sep 2020 21:47

Instrument :  
BNA\_P  
ClientSampleId :  
OR-03-091120

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.4  | 18.8  | 28.2  |
| 265     | 22.8  | 17.4  | 26.2  |

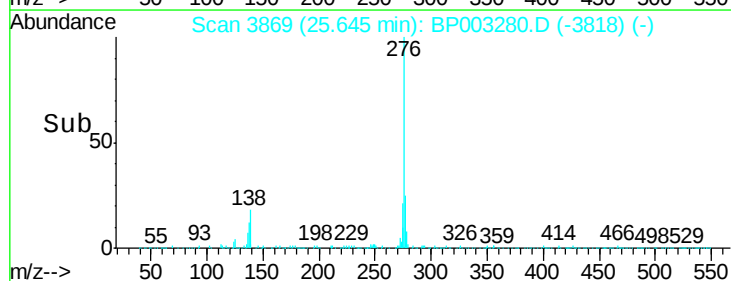
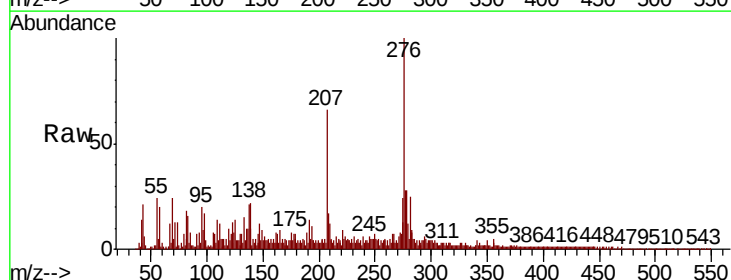
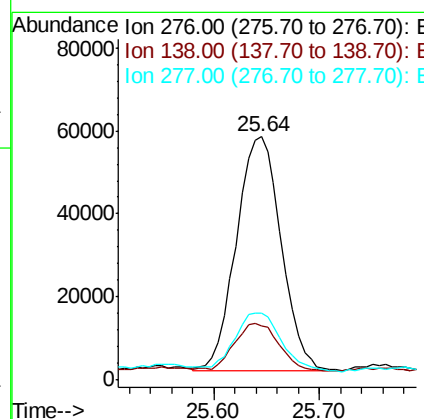
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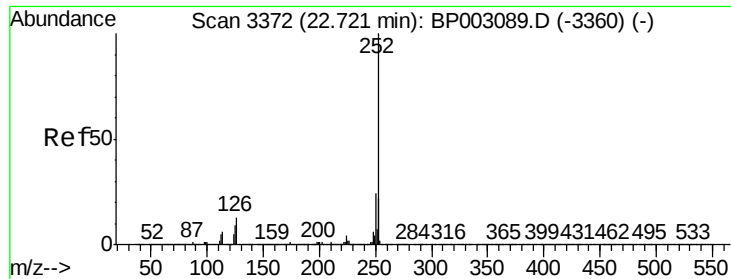
mohammad  
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#87  
Indeno(1,2,3-cd)pyrene  
Concen: 2.305 ng  
RT: 25.64 min Scan# 3869  
Delta R.T. 0.00 min  
Lab File: BP003280.D  
Acq: 14 Sep 2020 21:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 20.5  | 18.7  | 28.1  |
| 277     | 26.2  | 20.4  | 30.6  |





#88

Benzo(b)fluoranthene

Concen: 5.191 ng

RT: 22.70 min Scan# 3368

Delta R.T. -0.01 min

Lab File: BP003280.D

Acq: 14 Sep 2020 21:47

Instrument :

BNA\_P

ClientSampleId :

OR-03-091120

Tot Ion:252 Resp: 310777

Ion Ratio Lower Upper

252 100

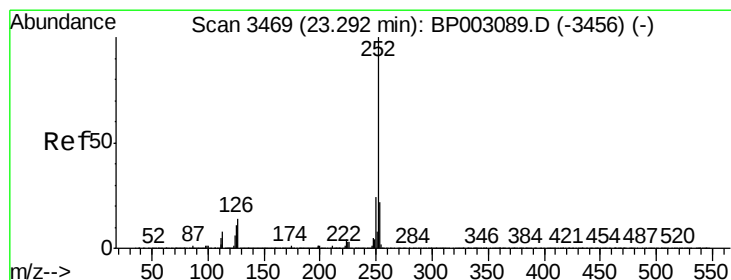
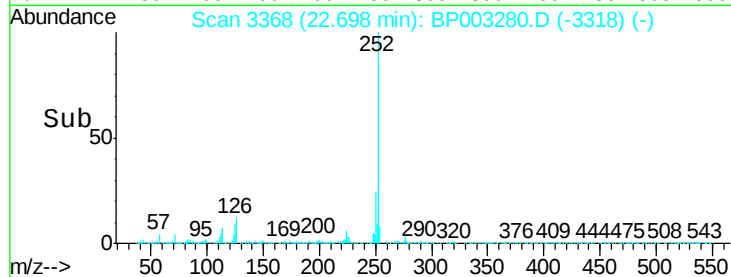
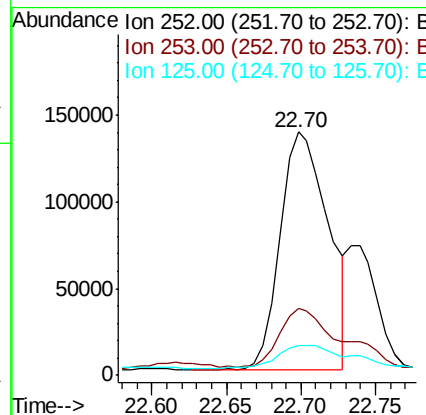
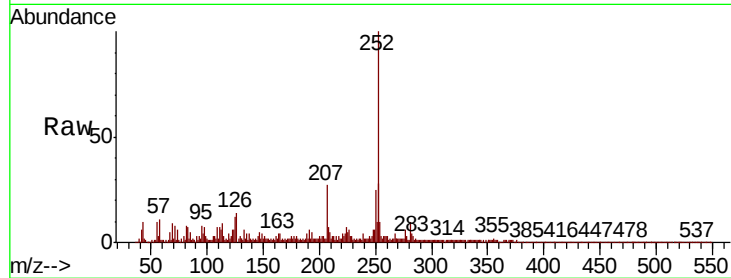
253 27.7 17.6 26.4#

125 12.4 7.3 10.9#

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#90

Benzo(a)pyrene

Concen: 4.817 ng

RT: 23.27 min Scan# 3466

Delta R.T. 0.00 min

Lab File: BP003280.D

Acq: 14 Sep 2020 21:47

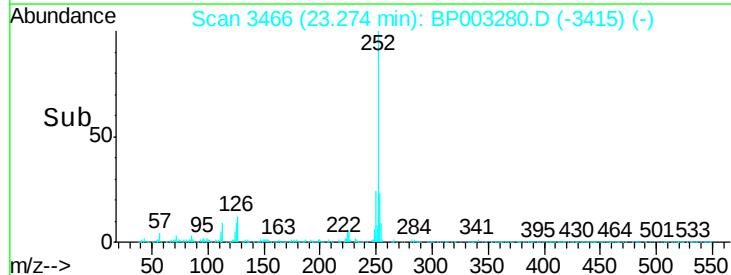
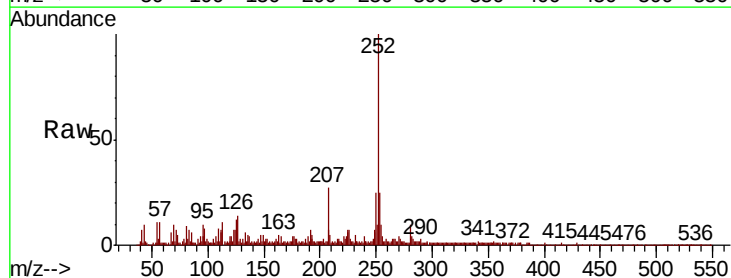
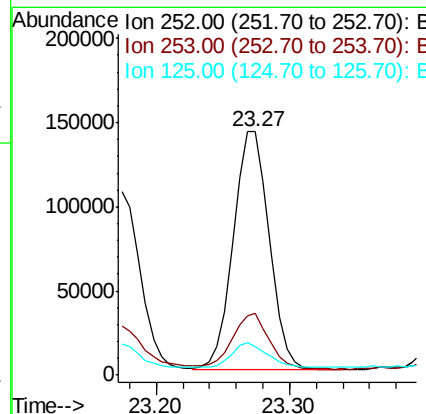
Tgt Ion:252 Resp: 267500

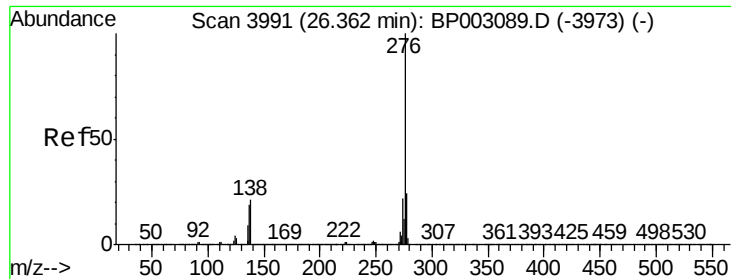
Ion Ratio Lower Upper

252 100

253 25.2 17.4 26.0

125 11.9 8.2 12.4





#92  
 Benzo(a,h,i)perylene  
 Concen: 3.297 ng  
 RT: 26.33 min Scan# 3986  
 Delta R.T. 0.00 min  
 Lab File: BP003280.D  
 Acq: 14 Sep 2020 21:47

Instrument :  
 BNA\_P  
 ClientSampleId :  
 OR-03-091120

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 195201 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 26.2  | 19.0  | 28.6   |
| 138       | 20.8  | 16.6  | 24.8   |

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