

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\  
 Data File : BP001245.D  
 Acq On : 06 Dec 2019 22:51  
 Operator : JU  
 Sample : K6135-02 2X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 COMP-34

Manual Integrations  
 APPROVED

mohammad  
 12/9/2019 3:11:10 PM

Quant Time: Dec 07 03:05:59 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 05 12:34:47 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.31  | 152  | 84417    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.35 | 136  | 310298   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 13.20 | 164  | 171965   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 15.60 | 188  | 320072   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 19.24 | 240  | 259885   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12            | 21.03 | 264  | 232894   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 6.22  | 112  | 239145   | 47.00 | ng    | 0.00     |
| 7) Phenol-d6                | 7.76  | 99   | 341588   | 50.39 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.19  | 82   | 231855   | 32.42 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 14.49 | 330  | 59334    | 36.00 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 12.12 | 172  | 414619   | 35.29 | ng    | -0.01    |
| 79) Terphenyl-d14           | 17.89 | 244  | 478557   | 34.07 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 10) Phenol                  | 7.77  | 94   | 20288    | 2.631 | ng    | 82       |
| 50) Dimethylphthalate       | 12.79 | 163  | 54508    | 4.238 | ng    | 100      |
| 71) Phenanthrene            | 15.63 | 178  | 100734   | 5.986 | ng    | 99       |
| 72) Anthracene              | 15.71 | 178  | 34018    | 2.051 | ng    | 95       |
| 75) Fluoranthene            | 17.34 | 202  | 163947   | 9.203 | ng    | 98       |
| 78) Pyrene                  | 17.65 | 202  | 155922   | 7.617 | ng    | # 93     |
| 81) Benzo(a)anthracene      | 19.23 | 228  | 83378    | 4.627 | ng    | # 87     |
| 83) Chrysene                | 19.28 | 228  | 80832    | 5.010 | ng    | # 91     |
| 88) Benzo(b)fluoranthene    | 20.54 | 252  | 91591m   | 6.439 | ng    |          |
| 90) Benzo(a)pyrene          | 20.95 | 252  | 61022    | 4.657 | ng    | # 73     |
| 92) Benzo(g,h,i)perylene    | 23.16 | 276  | 33143    | 2.618 | ng    | # 76     |

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

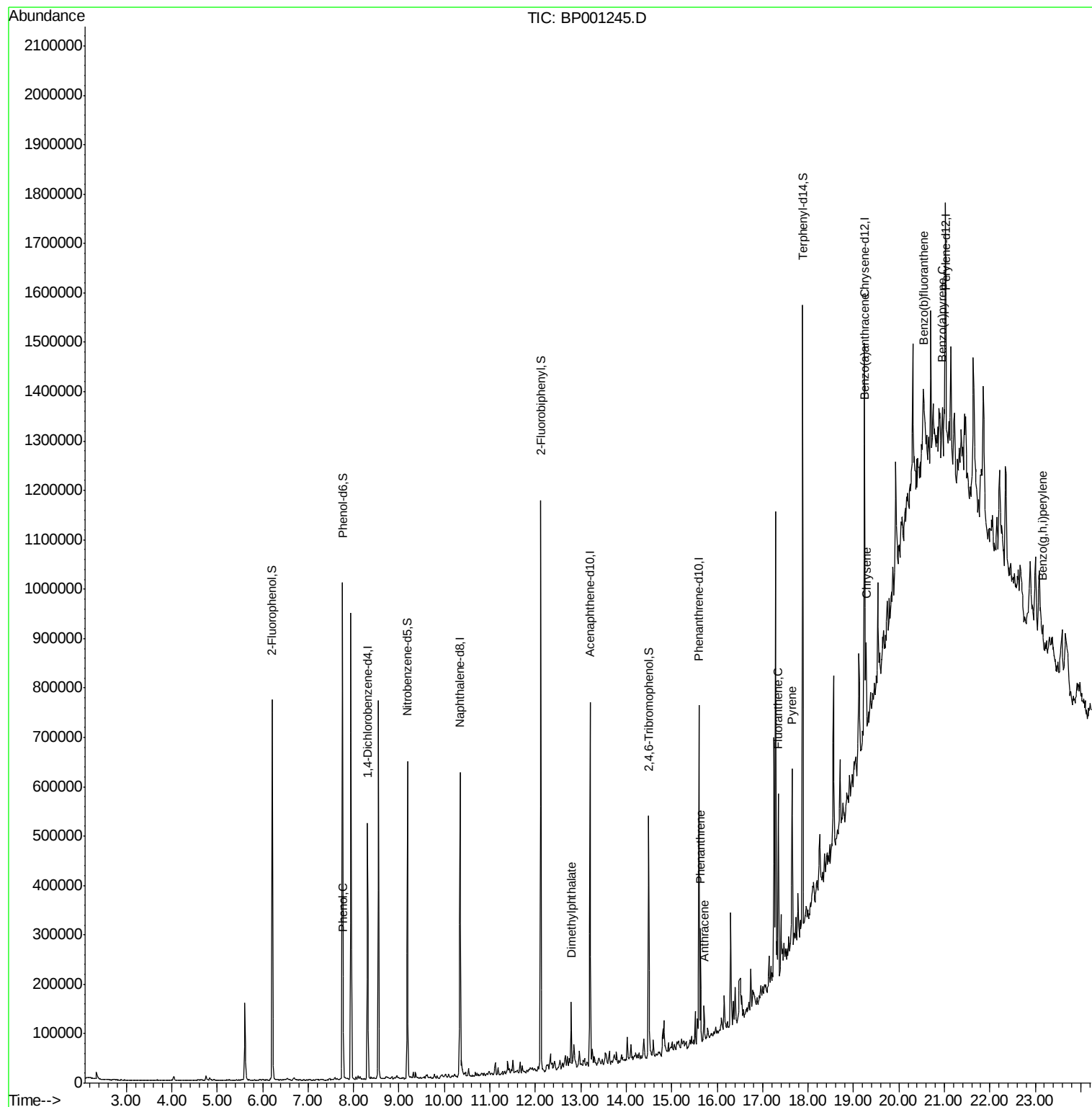
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\  
Data File : BP001245.D  
Acq On : 06 Dec 2019 22:51  
Operator : JU  
Sample : K6135-02 2X  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

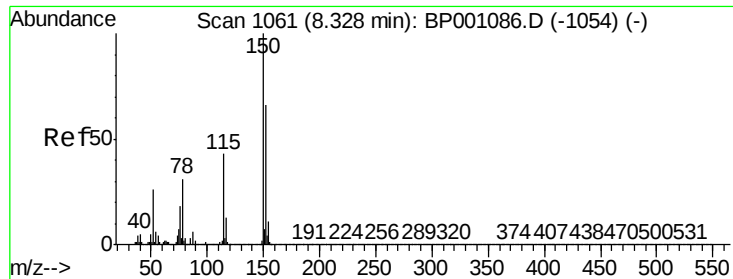
Instrument :  
BNA\_P  
ClientSampleId :  
COMP-34

Quant Time: Dec 07 03:05:59 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 05 12:34:47 2019  
Response via : Initial Calibration

Manual Integrations  
APPROVED

mohammad  
12/9/2019 3:11:10 PM





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.31 min Scan# 1058

Delta R.T. -0.00 min

Lab File: BP001245.D

Acq: 06 Dec 2019 22:51

Instrument :

BNA\_P

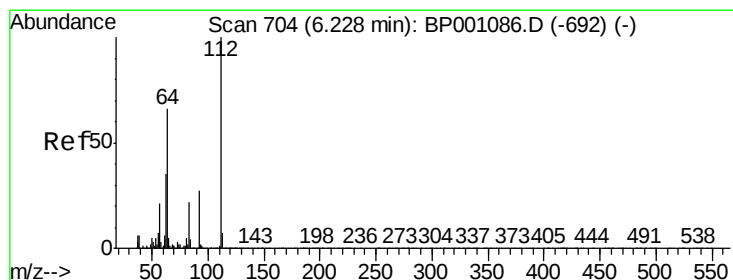
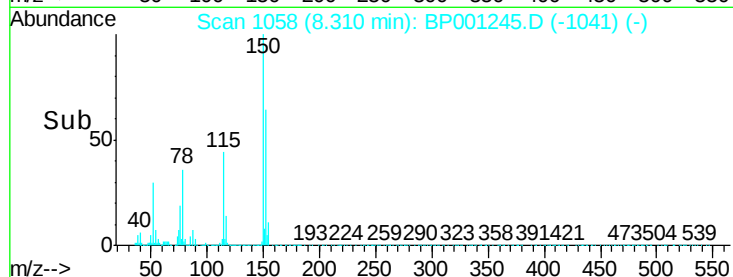
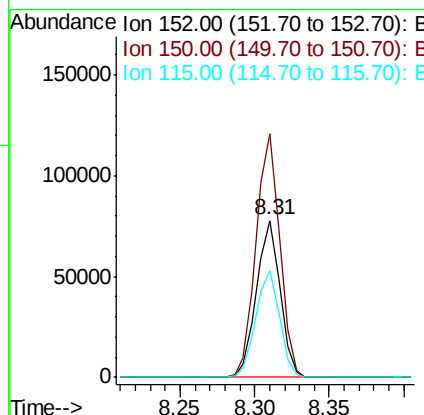
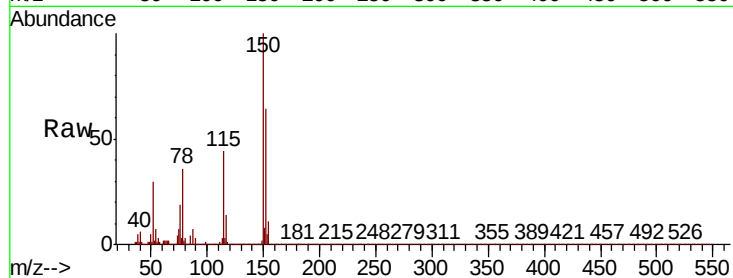
ClientSampleId :

COMP-34

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 152   | Resp: | 84417 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 150      | 155.2 | 127.3 | 190.9 |
| 115      | 67.9  | 56.0  | 84.0  |

Manual Integrations  
APPROVED

mohammad  
12/9/2019 3:11:10 PM



#5

2-Fluorophenol

Concen: 47.000 ng

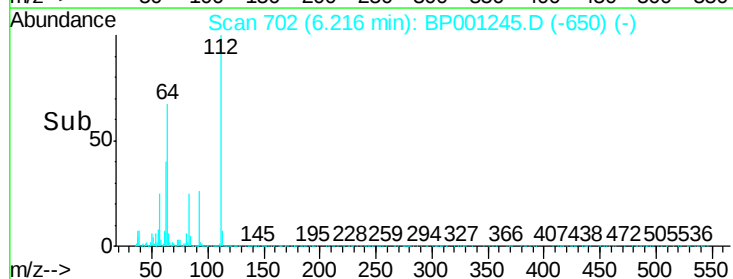
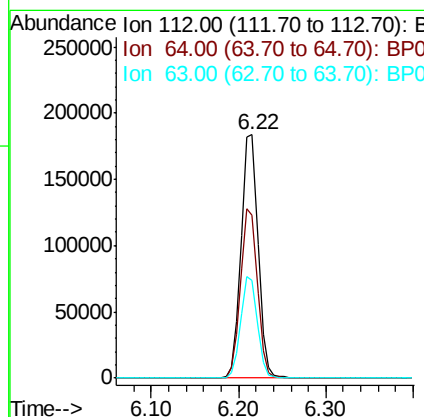
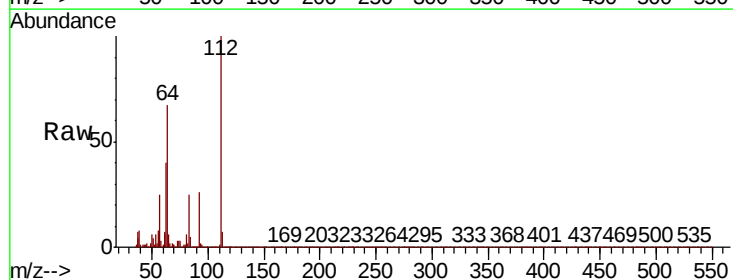
RT: 6.22 min Scan# 702

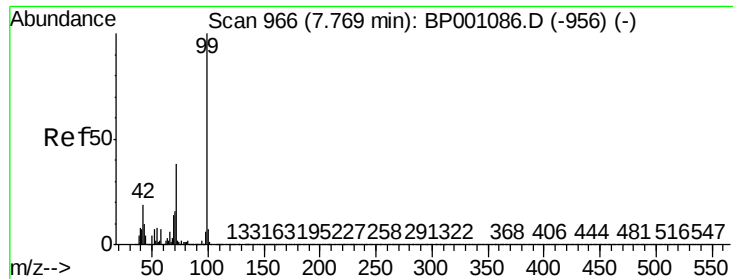
Delta R.T. 0.01 min

Lab File: BP001245.D

Acq: 06 Dec 2019 22:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 239145 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 67.1  | 56.8  | 85.2   |
| 63       | 40.2  | 32.2  | 48.2   |





#7

Phenol-d6

Concen: 50.391 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.01 min

Lab File: BP001245.D

Acq: 06 Dec 2019 22:51

Instrument :

BNA\_P

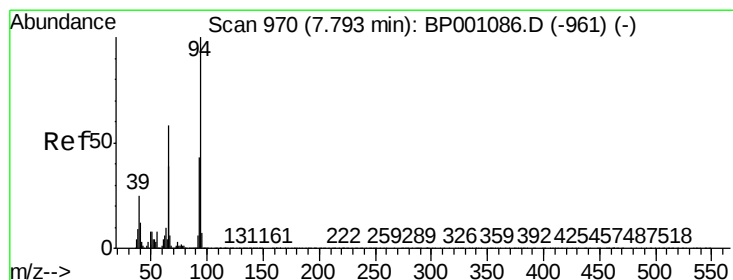
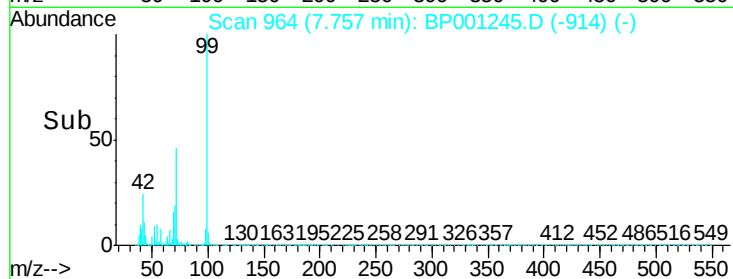
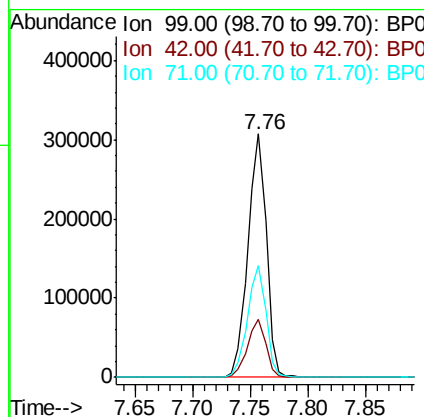
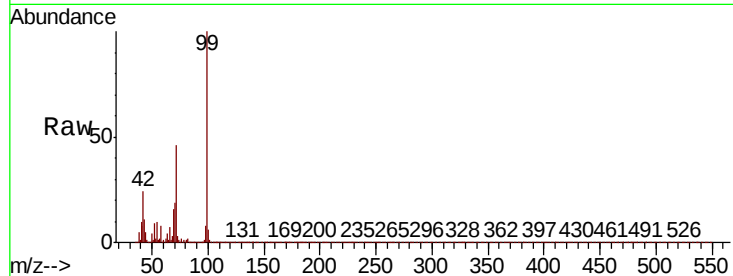
ClientSampleId :

COMP-34

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 341588 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 23.8  | 17.6  | 26.4   |
| 71        | 45.9  | 33.8  | 50.8   |

Manual Integrations  
APPROVED

mohammad  
12/9/2019 3:11:10 PM



#10

Phenol

Concen: 2.631 ng

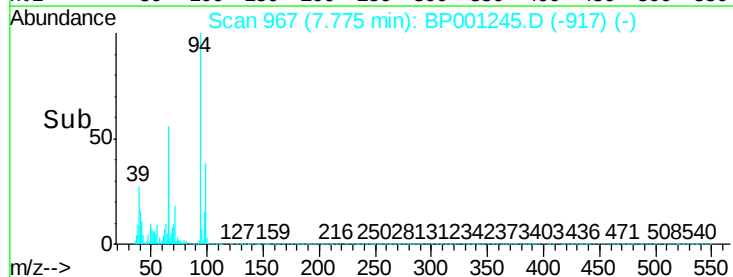
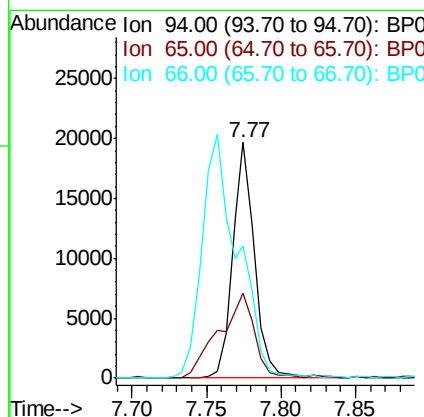
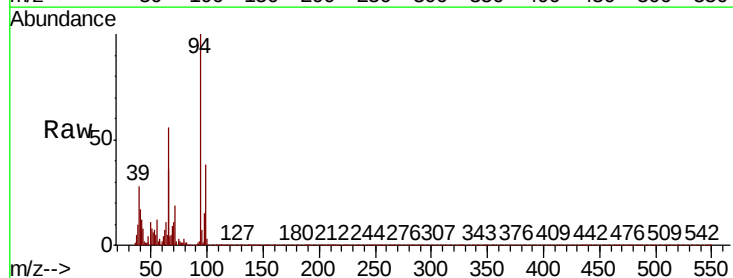
RT: 7.77 min Scan# 967

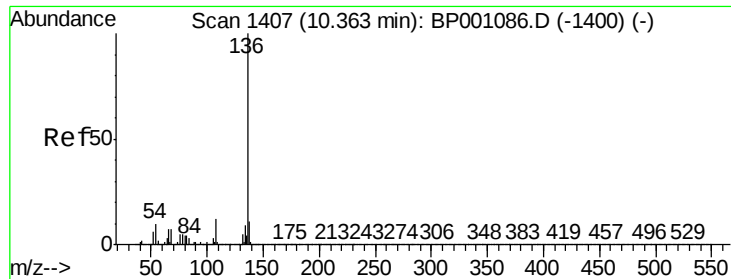
Delta R.T. -0.01 min

Lab File: BP001245.D

Acq: 06 Dec 2019 22:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 94    | Resp: | 20288 |
| Ion Ratio | Lower | Upper |       |
| 94        | 100   |       |       |
| 65        | 35.9  | 25.6  | 65.6  |
| 66        | 56.1  | 52.6  | 92.6  |





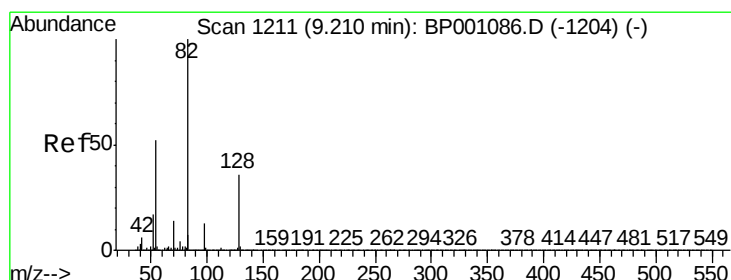
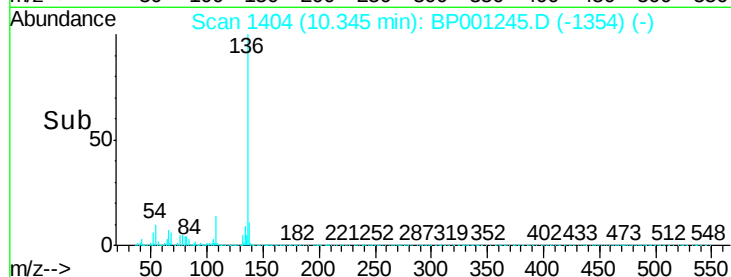
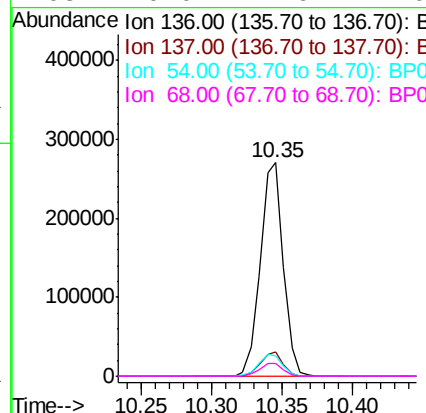
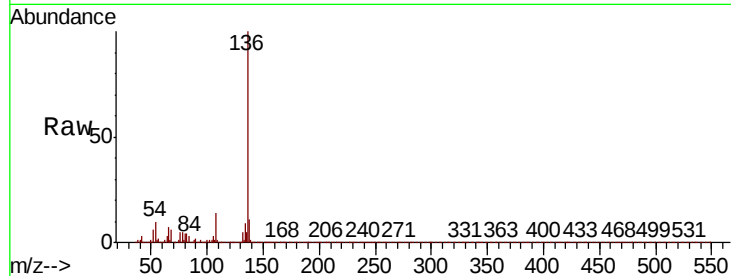
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.35 min Scan# 1404  
Delta R.T. -0.01 min  
Lab File: BP001245.D  
Acq: 06 Dec 2019 22:51

Instrument :  
BNA\_P  
ClientSampleId :  
COMP-34

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 136     | 100   |            |       |
| 137     | 11.2  | 8.4        | 12.6  |
| 54      | 9.8   | 7.4        | 11.0  |
| 68      | 6.0   | 4.6        | 7.0   |

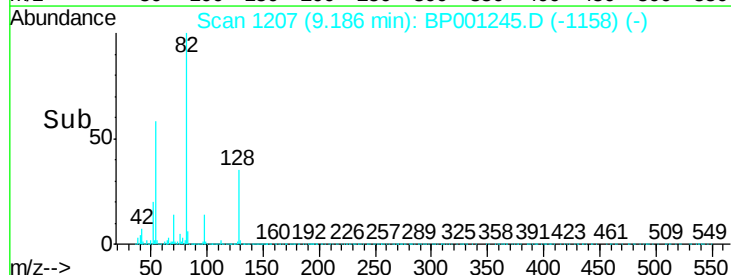
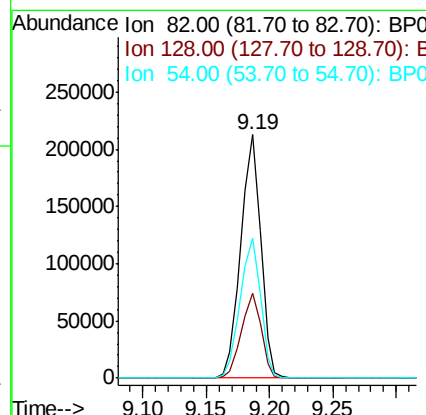
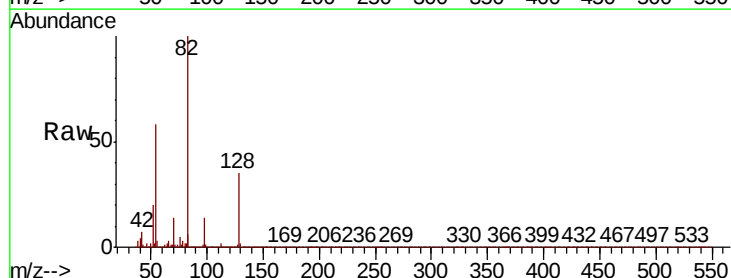
Manual Integrations  
APPROVED

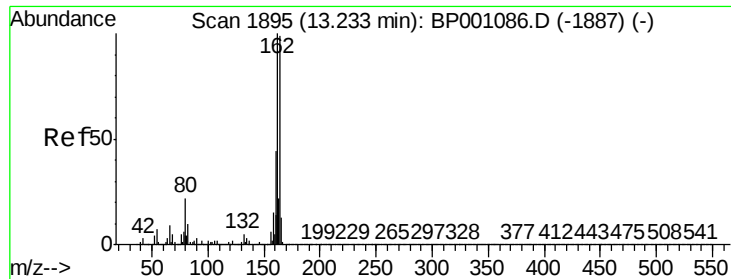
mohammad  
12/9/2019 3:11:10 PM



#23  
Nitrobenzene-d5  
Concen: 32.418 ng  
RT: 9.19 min Scan# 1207  
Delta R.T. -0.01 min  
Lab File: BP001245.D  
Acq: 06 Dec 2019 22:51

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 82      | 100   |            |       |
| 128     | 34.7  | 27.5       | 41.3  |
| 54      | 57.6  | 45.7       | 68.5  |





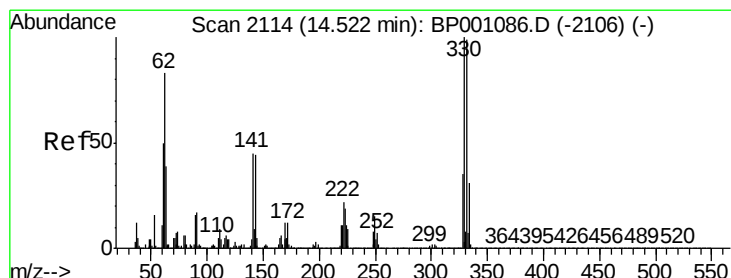
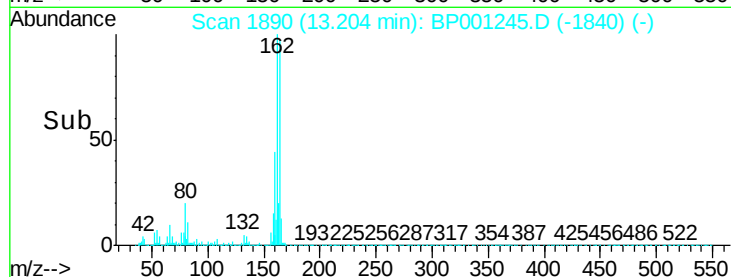
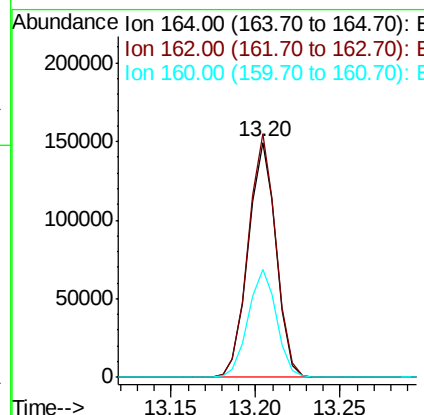
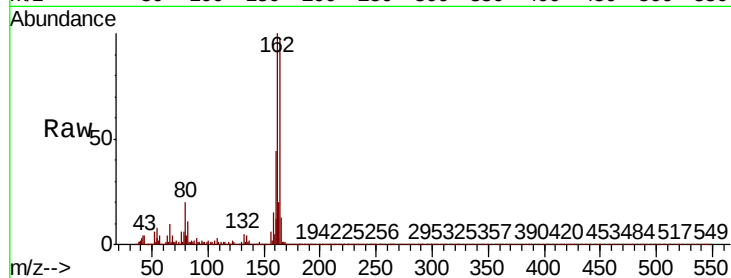
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 13.20 min Scan# 1890  
Delta R.T. -0.01 min  
Lab File: BP001245.D  
Acq: 06 Dec 2019 22:51

Instrument :  
BNA\_P  
ClientSampleId :  
COMP-34

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.5 | 80.7  | 121.1 |
| 160     | 45.8  | 36.3  | 54.5  |

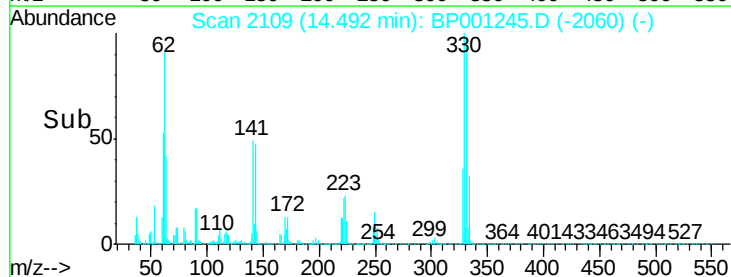
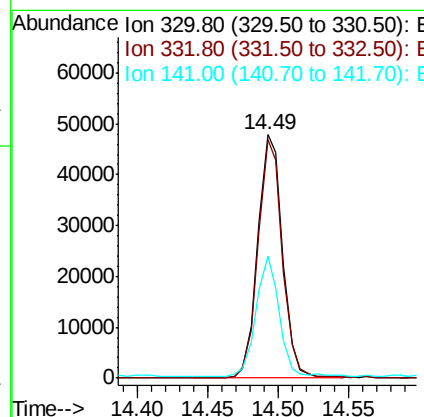
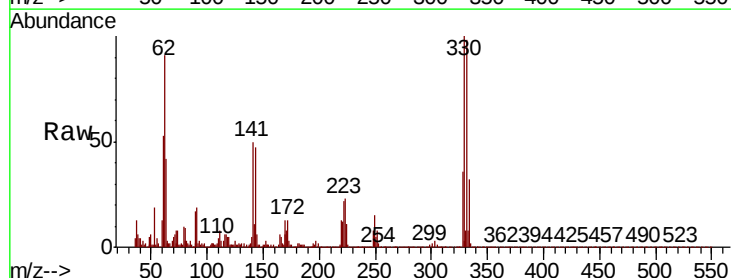
Manual Integrations  
APPROVED

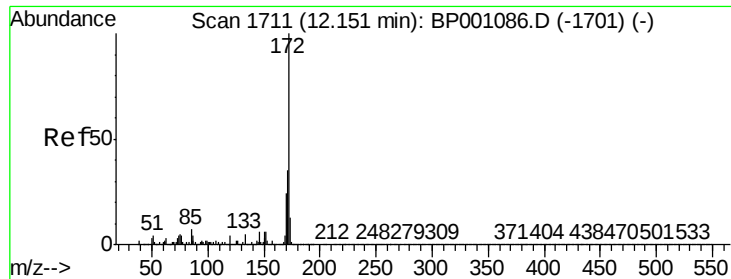
mohammad  
12/9/2019 3:11:10 PM



#42  
2,4,6-Tribromophenol  
Concen: 35.997 ng  
RT: 14.49 min Scan# 2109  
Delta R.T. -0.01 min  
Lab File: BP001245.D  
Acq: 06 Dec 2019 22:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.6  | 79.1  | 118.7 |
| 141     | 47.0  | 35.9  | 53.9  |





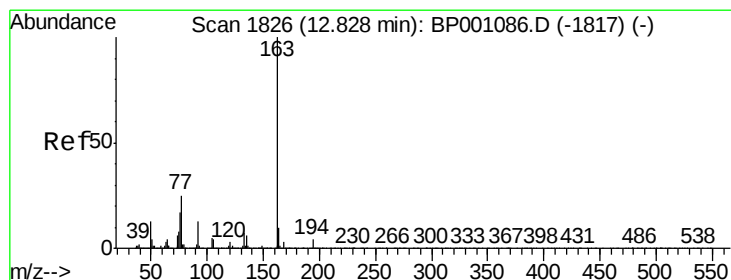
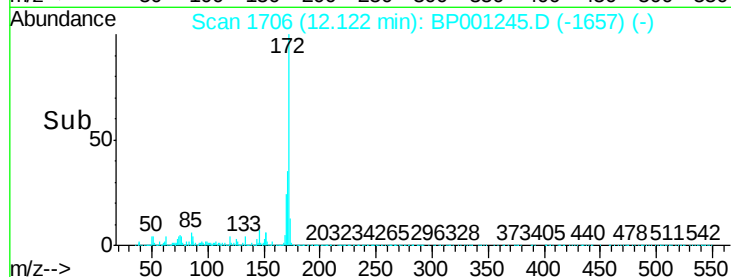
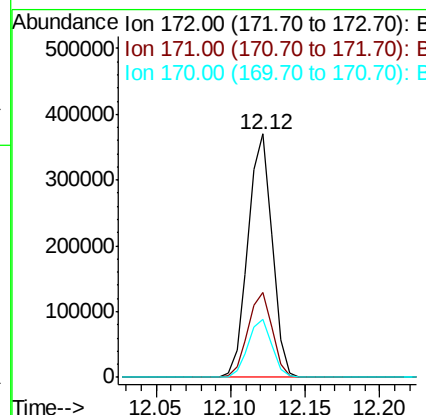
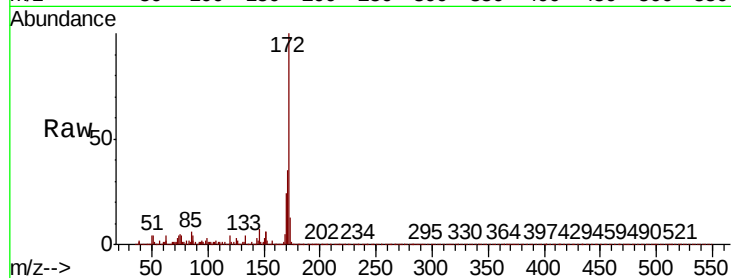
#45  
2-Fluorobiphenyl  
Concen: 35.288 ng  
RT: 12.12 min Scan# 1706  
Delta R.T. -0.01 min  
Lab File: BP001245.D  
Acq: 06 Dec 2019 22:51

Instrument :  
BNA\_P  
ClientSampleId :  
COMP-34

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.1  | 28.7  | 43.1  |
| 170     | 24.0  | 19.2  | 28.8  |

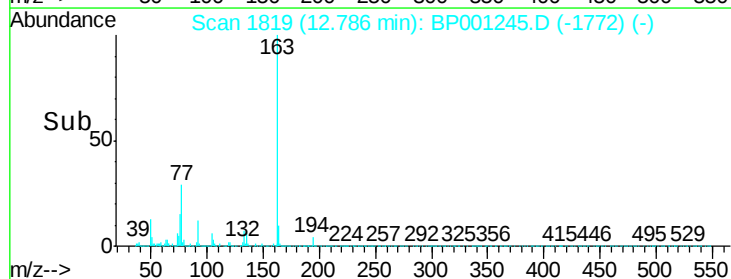
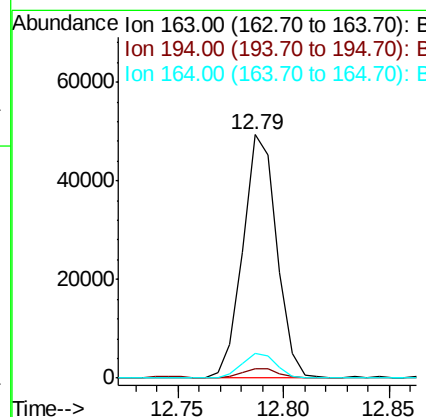
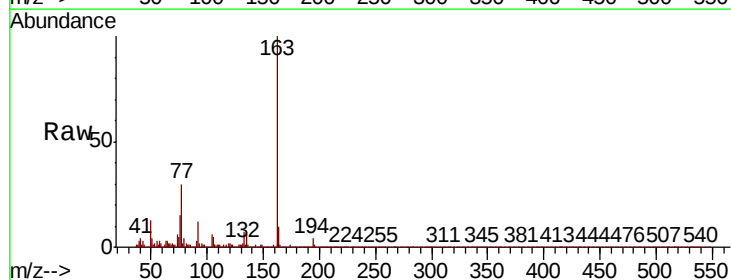
Manual Integrations  
APPROVED

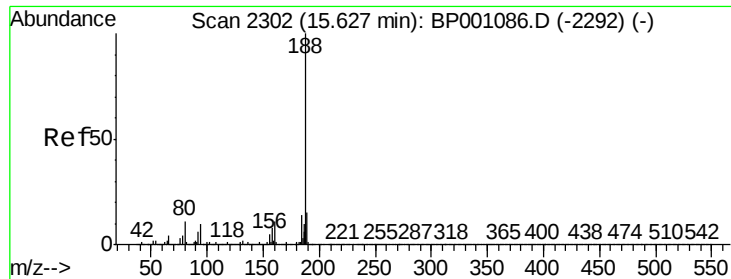
mohammad  
12/9/2019 3:11:10 PM



#50  
Dimethylphthalate  
Concen: 4.238 ng  
RT: 12.79 min Scan# 1819  
Delta R.T. -0.02 min  
Lab File: BP001245.D  
Acq: 06 Dec 2019 22:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.8   | 3.1   | 4.7   |
| 164     | 10.2  | 8.2   | 12.4  |





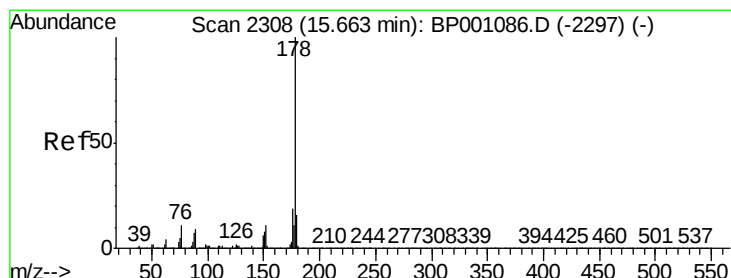
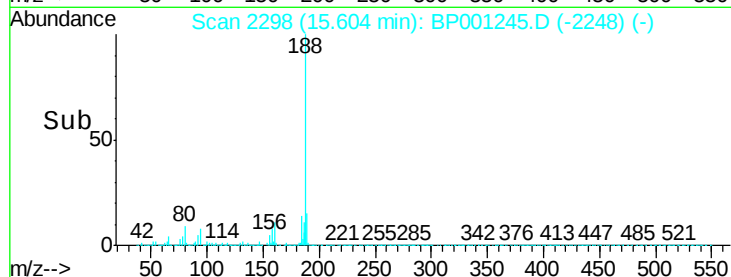
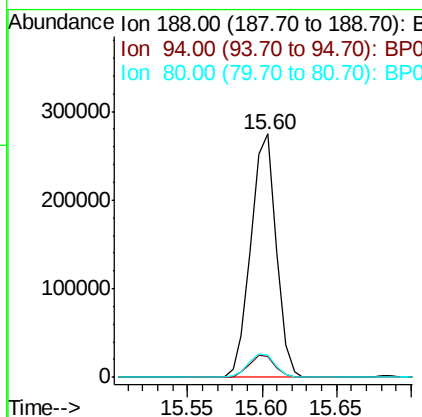
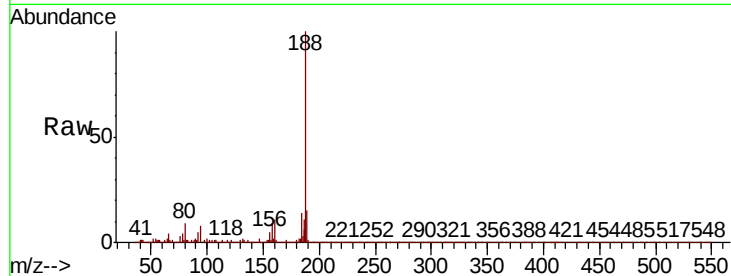
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 15.60 min Scan# 2298  
Delta R.T. -0.01 min  
Lab File: BP001245.D  
Acq: 06 Dec 2019 22:51

Instrument :  
BNA\_P  
ClientSampleId :  
COMP-34

|             |              |
|-------------|--------------|
| Tot Ion:188 | Resp: 320072 |
| Ion Ratio   | Lower Upper  |
| 188 100     |              |
| 94 8.5      | 7.1 10.7     |
| 80 8.9      | 7.8 11.6     |

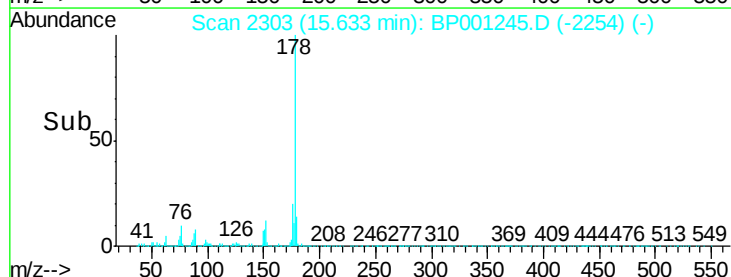
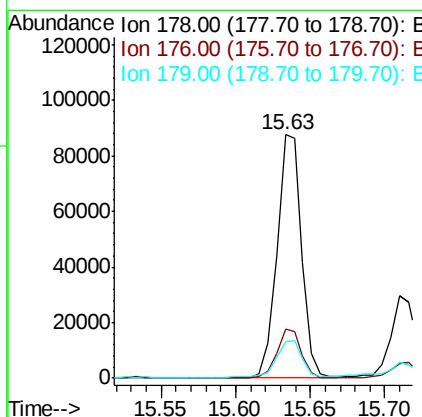
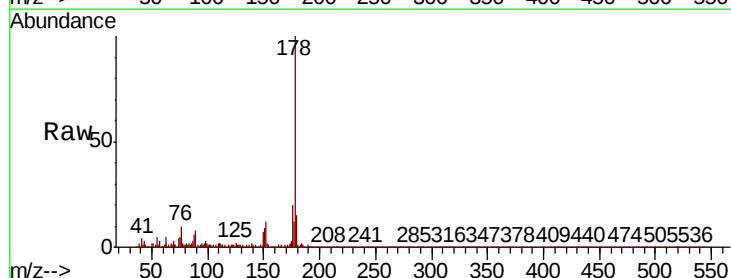
Manual Integrations  
APPROVED

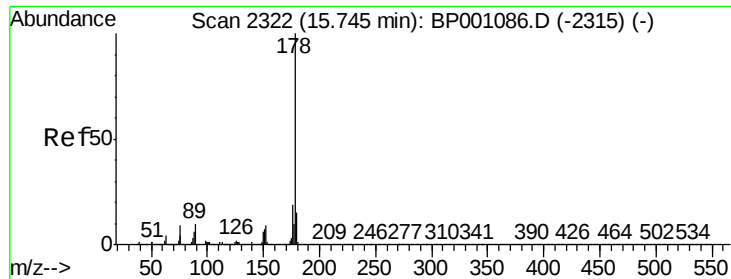
mohammad  
12/9/2019 3:11:10 PM



#71  
Phenanthrene  
Concen: 5.986 ng  
RT: 15.63 min Scan# 2303  
Delta R.T. -0.01 min  
Lab File: BP001245.D  
Acq: 06 Dec 2019 22:51

|             |              |
|-------------|--------------|
| Tgt Ion:178 | Resp: 100734 |
| Ion Ratio   | Lower Upper  |
| 178 100     |              |
| 176 20.1    | 15.7 23.5    |
| 179 14.8    | 12.4 18.6    |





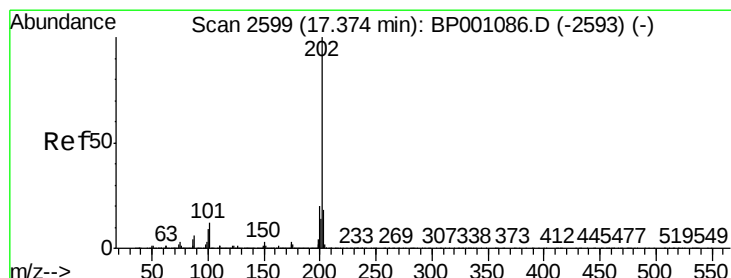
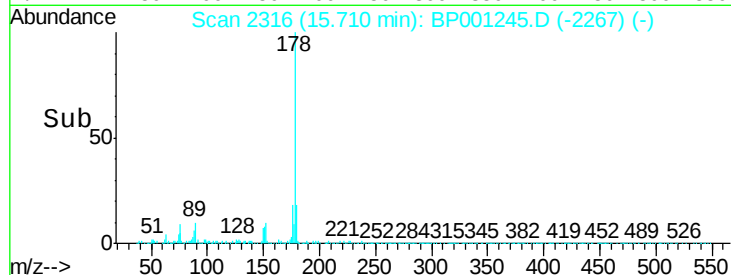
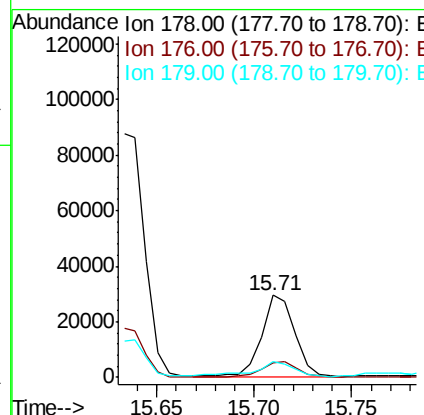
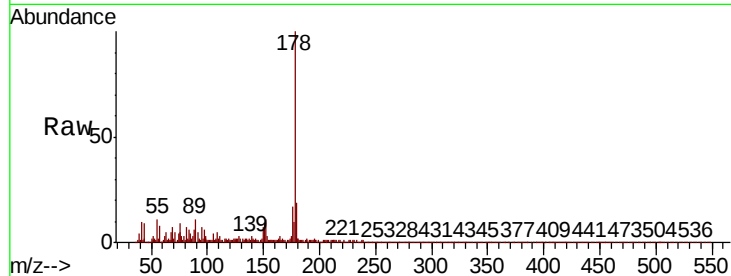
#72  
 Anthracene  
 Concen: 2.051 ng  
 RT: 15.71 min Scan# 2316  
 Delta R.T. -0.01 min  
 Lab File: BP001245.D  
 Acq: 06 Dec 2019 22:51

Instrument :  
 BNA\_P  
 ClientSampleId :  
 COMP-34

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 178   | Resp: | 34018 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 17.4  | 15.1  | 22.7  |
| 179       | 19.1  | 12.7  | 19.1  |

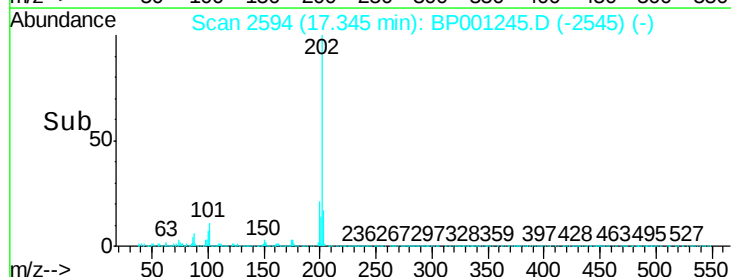
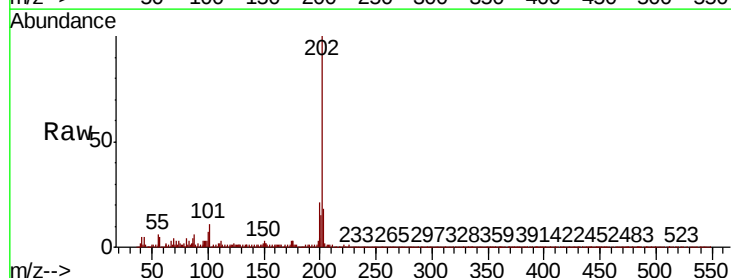
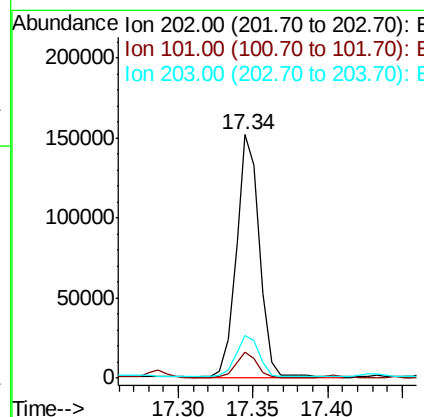
Manual Integrations  
 APPROVED

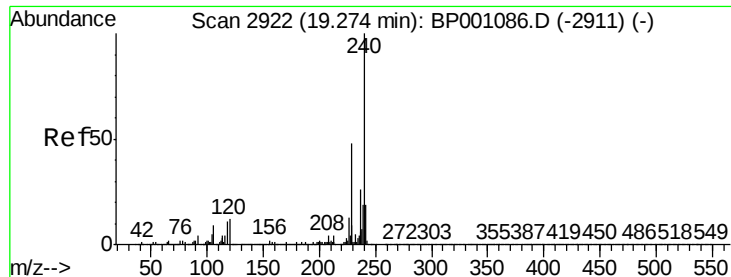
mohammad  
 12/9/2019 3:11:10 PM



#75  
 Fluoranthene  
 Concen: 9.203 ng  
 RT: 17.34 min Scan# 2594  
 Delta R.T. -0.01 min  
 Lab File: BP001245.D  
 Acq: 06 Dec 2019 22:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 163947 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 10.7  | 0.0   | 30.0   |
| 203       | 17.7  | 0.0   | 37.1   |





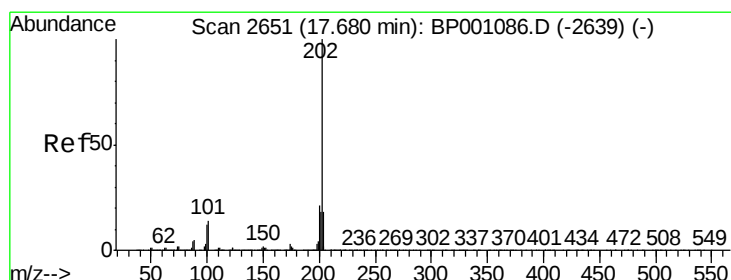
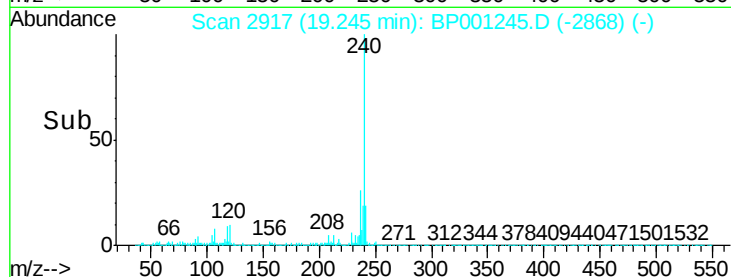
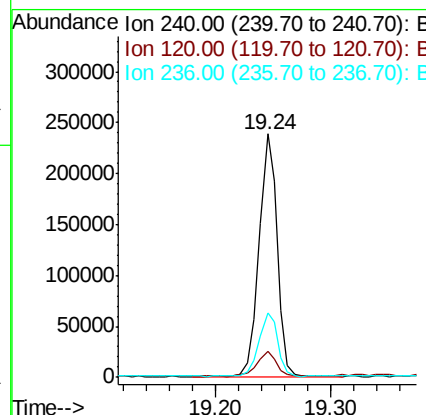
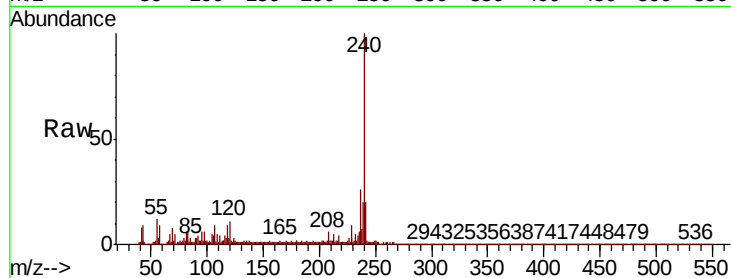
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 19.24 min Scan# 2917  
Delta R.T. -0.01 min  
Lab File: BP001245.D  
Acq: 06 Dec 2019 22:51

Instrument :  
BNA\_P  
ClientSampleId :  
COMP-34

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.6  | 7.0   | 10.6# |
| 236     | 26.3  | 21.7  | 32.5  |

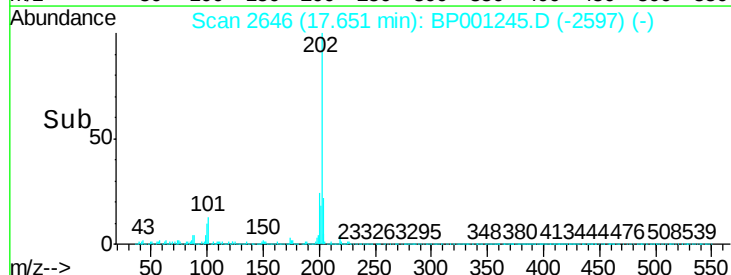
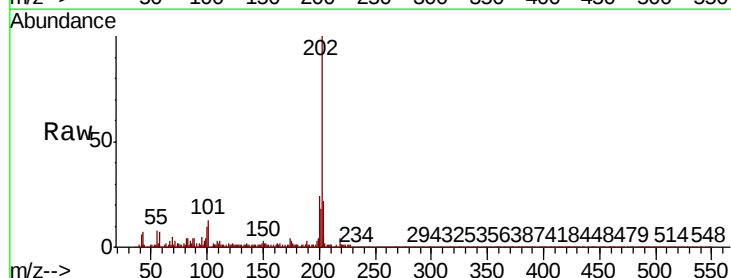
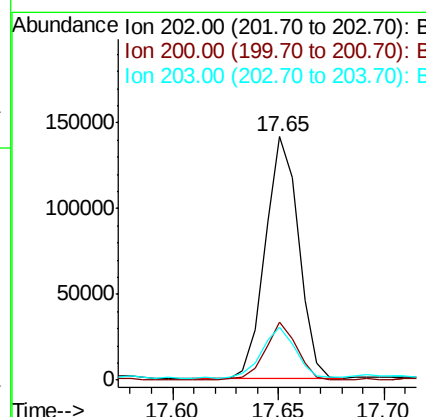
Manual Integrations  
APPROVED

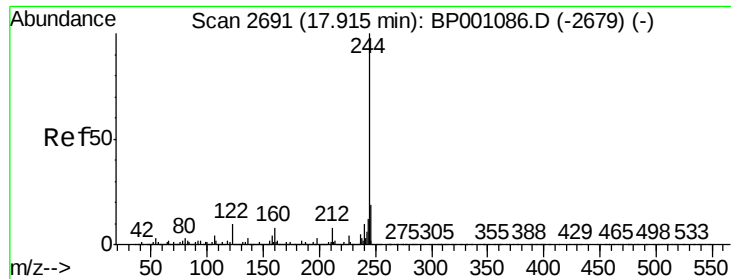
mohammad  
12/9/2019 3:11:10 PM



#78  
Pyrene  
Concen: 7.617 ng  
RT: 17.65 min Scan# 2646  
Delta R.T. -0.01 min  
Lab File: BP001245.D  
Acq: 06 Dec 2019 22:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 23.6  | 17.3  | 25.9  |
| 203     | 21.6  | 13.8  | 20.8# |





#79

Terphenyl-d14

Concen: 34.068 ng

RT: 17.89 min Scan# 2686

Delta R.T. -0.01 min

Lab File: BP001245.D

Acq: 06 Dec 2019 22:51

Instrument :

BNA\_P

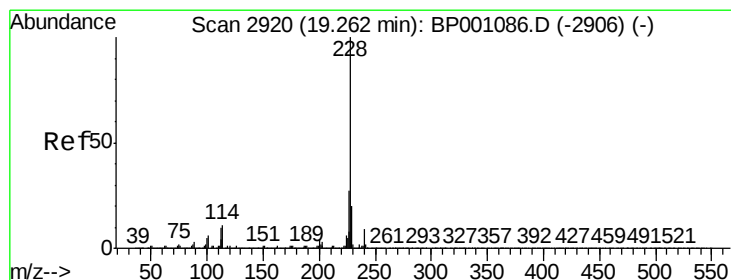
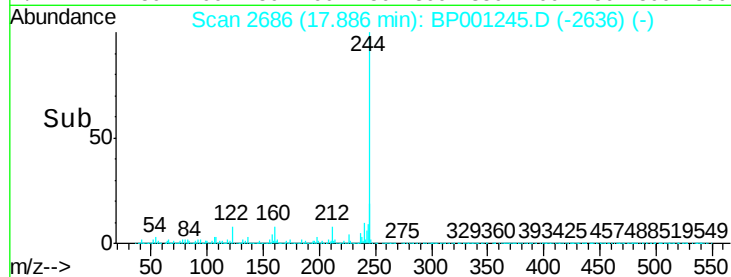
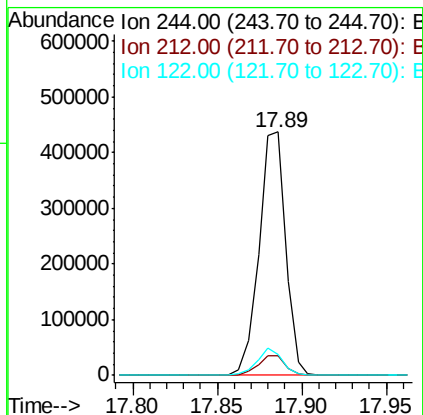
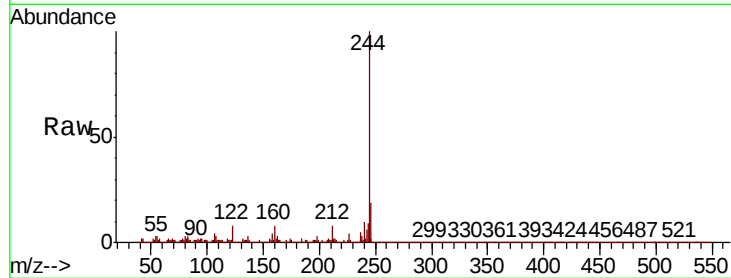
ClientSampled :

COMP-34

|           |     |       |        |
|-----------|-----|-------|--------|
| Tot Ion:  | 244 | Resp: | 478557 |
| Ion Ratio |     | Lower | Upper  |
| 244       | 100 |       |        |
| 212       | 8.1 | 6.6   | 9.8    |
| 122       | 8.5 | 9.2   | 13.8#  |

Manual Integrations  
APPROVED

mohammad  
12/9/2019 3:11:10 PM



#81

Benzo(a)anthracene

Concen: 4.627 ng

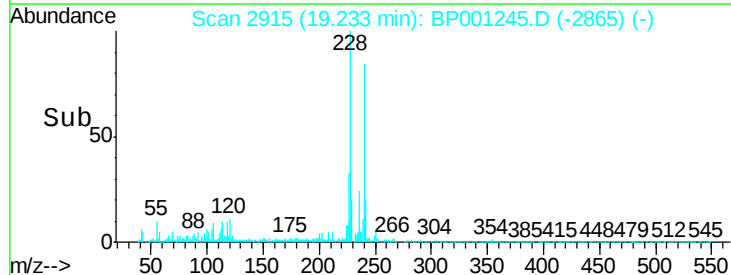
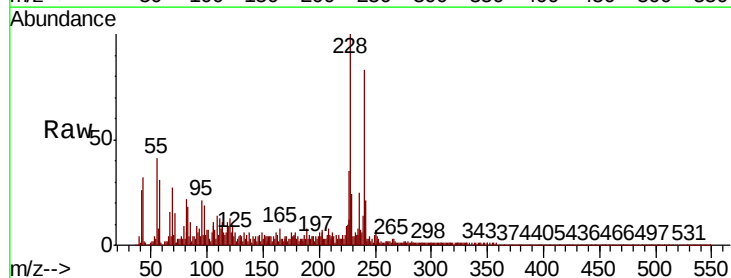
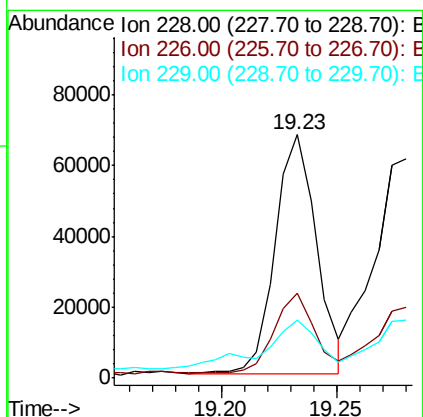
RT: 19.23 min Scan# 2915

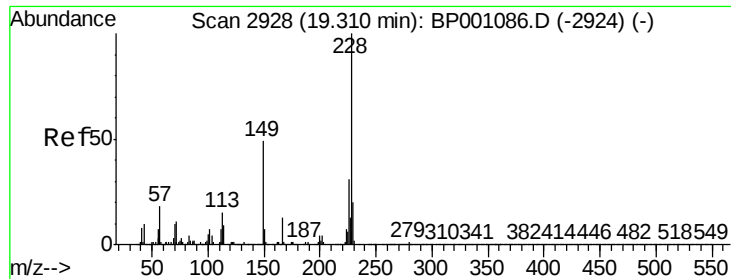
Delta R.T. -0.01 min

Lab File: BP001245.D

Acq: 06 Dec 2019 22:51

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 228  | Resp: | 83378 |
| Ion Ratio |      | Lower | Upper |
| 228       | 100  |       |       |
| 226       | 34.8 | 21.7  | 32.5# |
| 229       | 23.9 | 15.8  | 23.6# |





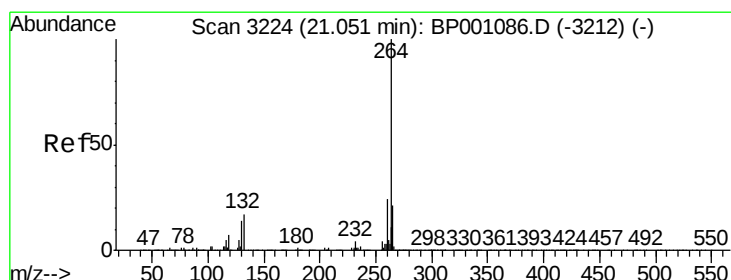
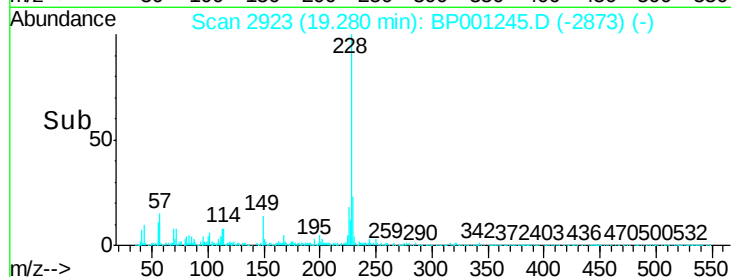
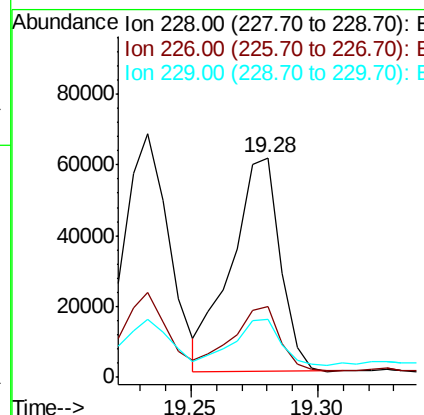
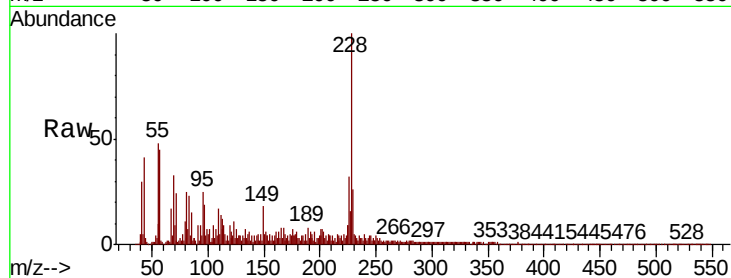
#83  
Chrysene  
Concen: 5.010 ng  
RT: 19.28 min Scan# 2923  
Delta R.T. -0.01 min  
Lab File: BP001245.D  
Acq: 06 Dec 2019 22:51

Instrument :  
BNA\_P  
ClientSampleId :  
COMP-34

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 32.1  | 23.7  | 35.5  |
| 229     | 26.2  | 15.2  | 22.8  |

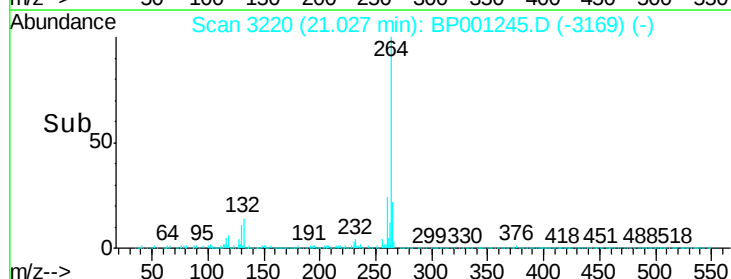
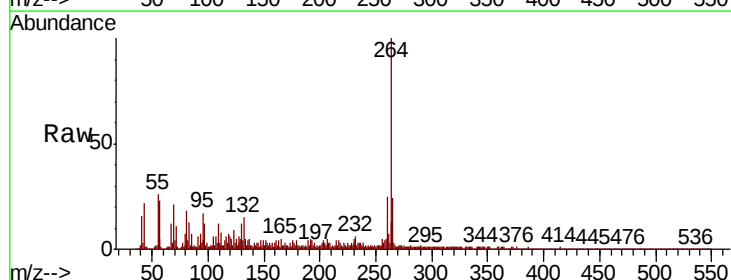
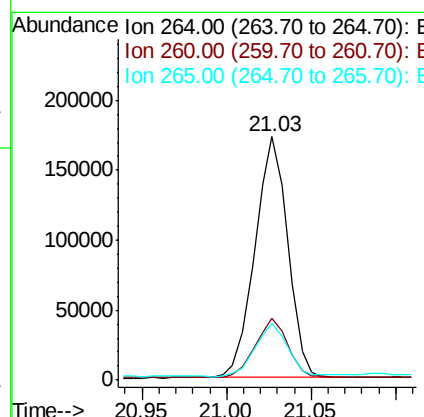
Manual Integrations  
APPROVED

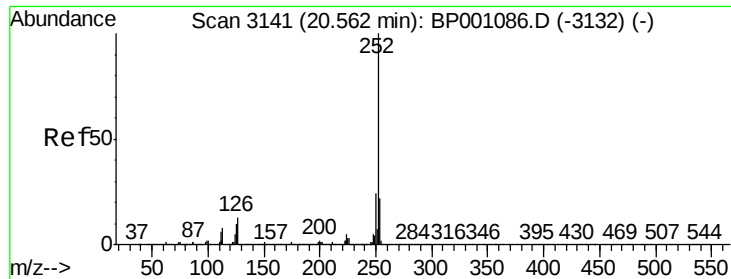
mohammad  
12/9/2019 3:11:10 PM



#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 21.03 min Scan# 3220  
Delta R.T. -0.00 min  
Lab File: BP001245.D  
Acq: 06 Dec 2019 22:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.3  | 19.4  | 29.0  |
| 265     | 23.5  | 17.1  | 25.7  |





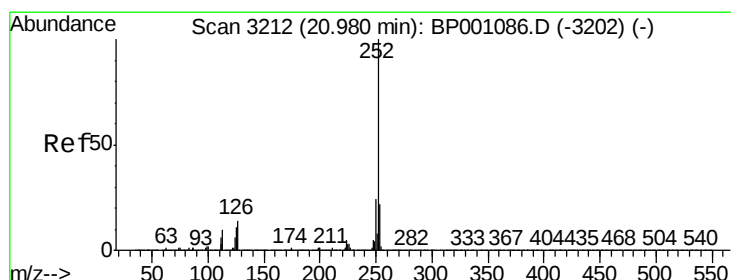
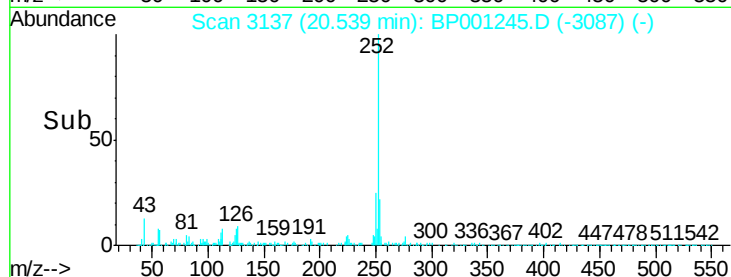
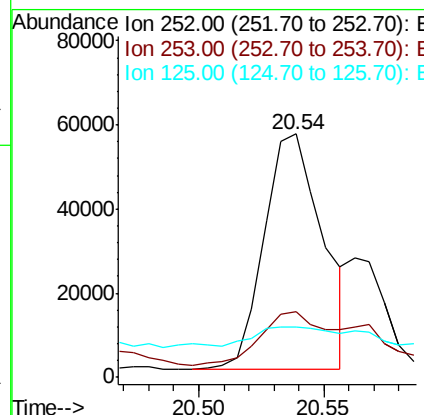
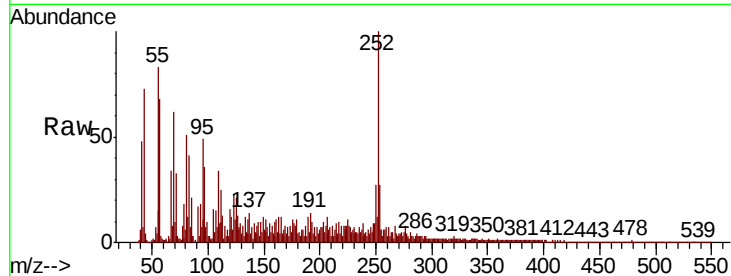
#88  
Benzo(b)fluoranthene  
Concen: 6.439 ng m  
RT: 20.54 min Scan# 3137  
Delta R.T. -0.01 min  
Lab File: BP001245.D  
Acq: 06 Dec 2019 22:51

Instrument :  
BNA\_P  
ClientSampleId :  
COMP-34

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.9  | 17.0  | 25.6# |
| 125     | 20.8  | 6.6   | 9.8#  |

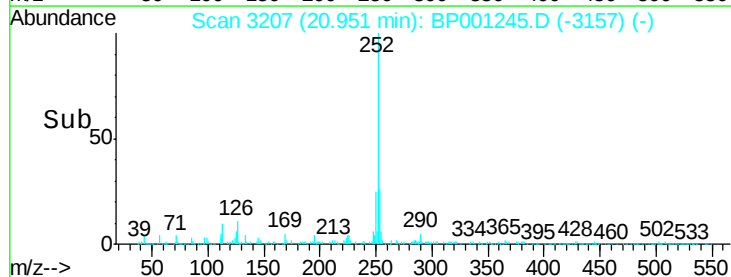
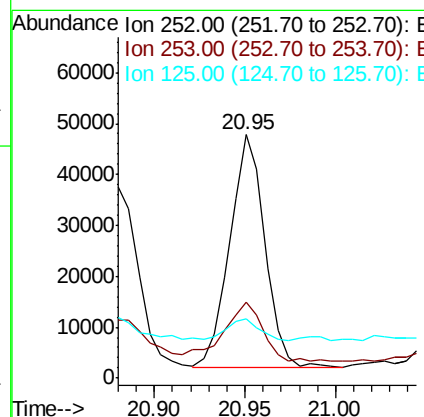
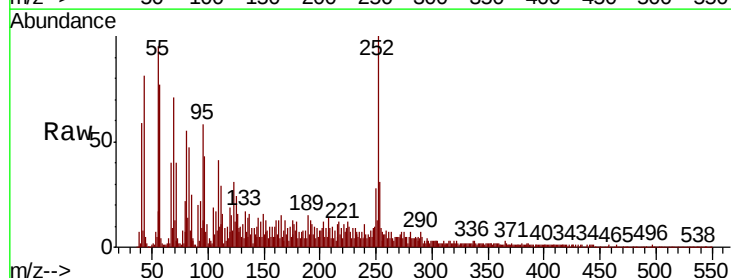
Manual Integrations  
APPROVED

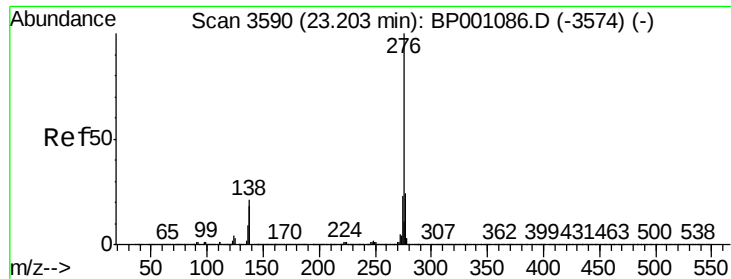
mohammad  
12/9/2019 3:11:10 PM



#90  
Benzo(a)pyrene  
Concen: 4.657 ng  
RT: 20.95 min Scan# 3207  
Delta R.T. -0.01 min  
Lab File: BP001245.D  
Acq: 06 Dec 2019 22:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 31.0  | 16.8  | 25.2# |
| 125     | 24.4  | 7.8   | 11.6# |





#92  
 Benzo(a,h,i)perylene  
 Concen: 2.618 ng  
 RT: 23.16 min Scan# 3583  
 Delta R.T. -0.01 min  
 Lab File: BP001245.D  
 Acq: 06 Dec 2019 22:51

Instrument :  
 BNA\_P  
 ClientSampleId :  
 COMP-34

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 33.4  | 18.6  | 28.0# |
| 138     | 32.6  | 15.6  | 23.4# |

Manual Integrations  
 APPROVED

mohammad  
 12/9/2019 3:11:10 PM

