

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\  
 Data File : BP001023.D  
 Acq On : 11 Nov 2019 18:41  
 Operator : JU  
 Sample : K5749-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 NORTH-BERGEN-1

Manual Integrations  
 APPROVED

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 11/12/2019 5:04:38 PM

Quant Time: Nov 12 06:05:55 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP110619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 06 17:07:13 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|-------|------|----------|---------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.38  | 152  | 260419   | 20.00   | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.40 | 136  | 953915   | 20.00   | ng    | 0.00     |
| 39) Acenaphthene-d10        | 13.26 | 164  | 528469   | 20.00   | ng    | 0.00     |
| 64) Phenanthrene-d10        | 15.66 | 188  | 969759   | 20.00   | ng    | 0.00     |
| 76) Chrysene-d12            | 19.30 | 240  | 675104   | 20.00   | ng    | 0.00     |
| 87) Perylene-d12            | 21.09 | 264  | 834071   | 20.00   | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |         |       |          |
| 5) 2-Fluorophenol           | 6.30  | 112  | 1354769  | 94.69   | ng    | 0.00     |
| 7) Phenol-d6                | 7.82  | 99   | 1782541  | 98.52   | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.25  | 82   | 1076909  | 62.45   | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 14.55 | 330  | 606246   | 96.10   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.18 | 172  | 2247329  | 64.05   | ng    | 0.00     |
| 79) Terphenyl-d14           | 17.94 | 244  | 2340485  | 68.96   | ng    | 0.00     |
| Target Compounds            |       |      |          |         |       |          |
| 10) Phenol                  | 7.83  | 94   | 116962   | 5.910   | ng    | 92       |
| 31) Naphthalene             | 10.43 | 128  | 604876   | 12.692  | ng    | 99       |
| 37) 2-Methylnaphthalene     | 11.56 | 142  | 313351   | 9.394   | ng    | 99       |
| 38) 1-Methylnaphthalene     | 11.72 | 142  | 279910   | 8.880   | ng    | 99       |
| 46) 1,1'-Biphenyl           | 12.33 | 154  | 145015   | 3.670   | ng    | 97       |
| 49) Acenaphthylene          | 13.02 | 152  | 272432   | 5.633   | ng    | 98       |
| 50) Dimethylphthalate       | 12.85 | 163  | 174685   | 4.470   | ng    | 99       |
| 52) Acenaphthene            | 13.32 | 154  | 761329   | 26.322  | ng    | 97       |
| 55) Dibenzofuran            | 13.60 | 168  | 978468   | 21.658  | ng    | 97       |
| 58) Fluorene                | 14.16 | 166  | 891301   | 24.789  | ng    | 99       |
| 71) Phenanthrene            | 15.72 | 178  | 8635384  | 173.983 | ng    | 96       |
| 72) Anthracene              | 15.78 | 178  | 2721742  | 56.214  | ng    | 99       |
| 73) Carbazole               | 16.02 | 167  | 784550   | 17.674  | ng    | 100      |
| 75) Fluoranthene            | 17.42 | 202  | 8705500  | 155.176 | ng    | 97       |
| 78) Pyrene                  | 17.73 | 202  | 7330027  | 153.637 | ng    | 96       |
| 81) Benzo(a)anthracene      | 19.30 | 228  | 4143259  | 91.125  | ng    | 97       |
| 83) Chrysene                | 19.35 | 228  | 3376971  | 84.598  | ng    | 97       |
| 86) Indeno(1,2,3-cd)pyrene  | 22.76 | 276  | 1507191m | 27.595  | ng    |          |
| 88) Benzo(b)fluoranthene    | 20.60 | 252  | 3805460  | 76.541  | ng    | 98       |
| 89) Benzo(k)fluoranthene    | 20.63 | 252  | 1306580m | 27.918  | ng    |          |
| 90) Benzo(a)pyrene          | 21.03 | 252  | 2841396  | 62.152  | ng    | 96       |
| 91) Dibenz(a,h)anthracene   | 22.77 | 278  | 436893m  | 9.363   | ng    |          |
| 92) Benzo(g,h,i)perylene    | 23.26 | 276  | 1202462  | 25.593  | ng    | 96       |

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

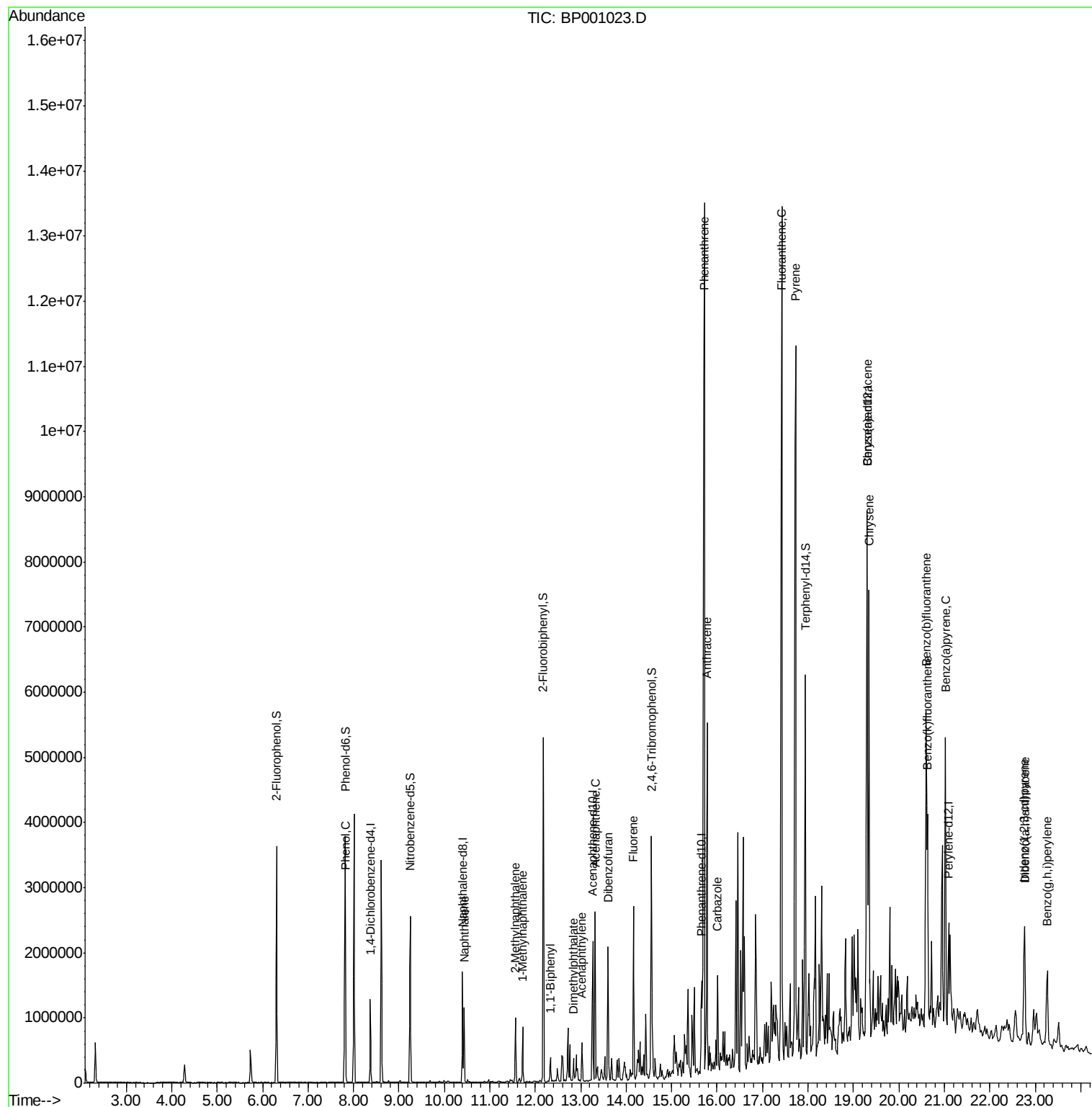
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\  
Data File : BP001023.D  
Acq On : 11 Nov 2019 18:41  
Operator : JU  
Sample : K5749-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

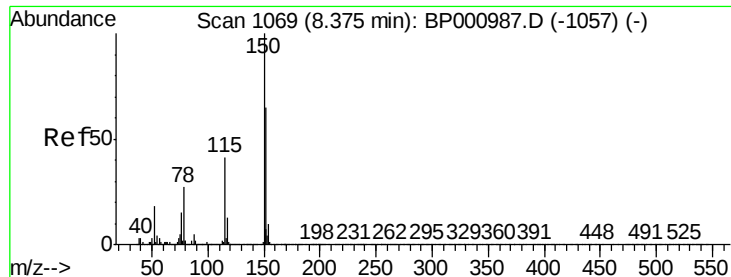
Instrument :  
BNA\_P  
ClientSampleId :  
NORTH-BERGEN-1

Quant Time: Nov 12 06:05:55 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP110619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Nov 06 17:07:13 2019  
Response via : Initial Calibration

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.38 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BP001023.D

Acq: 11 Nov 2019 18:41

Instrument :

BNA\_P

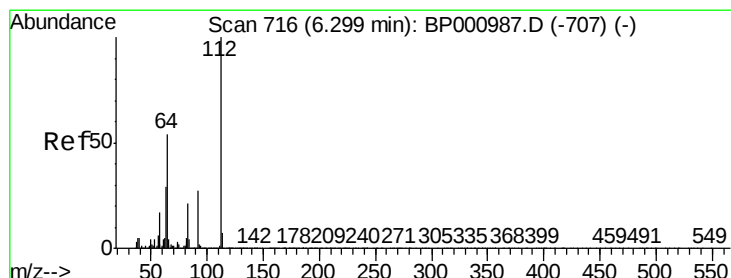
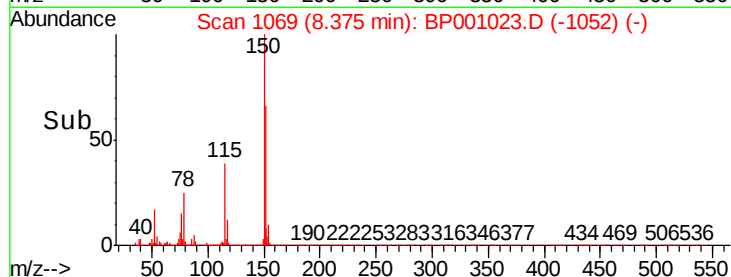
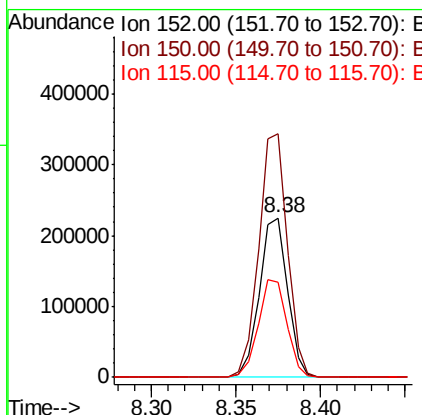
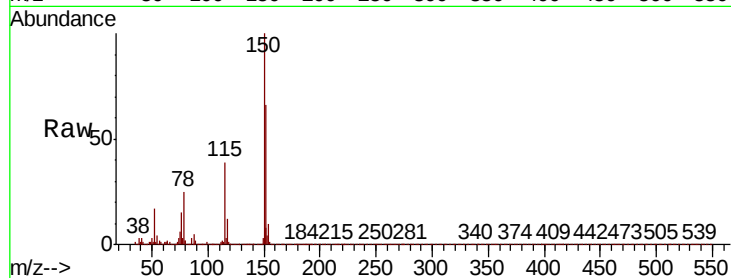
ClientSampleId :

NORTH-BERGEN-1

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 260419 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 150       | 152.6 | 123.6 | 185.4  |
| 115       | 59.9  | 50.1  | 75.1   |

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#5

2-Fluorophenol

Concen: 94.690 ng

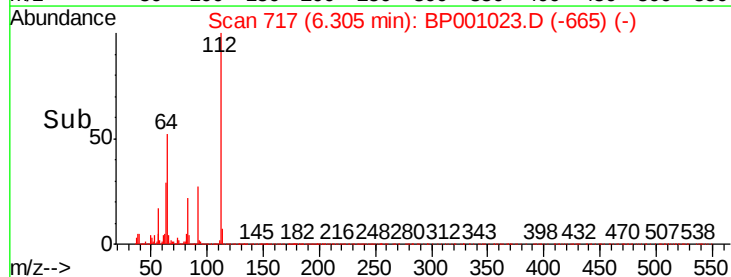
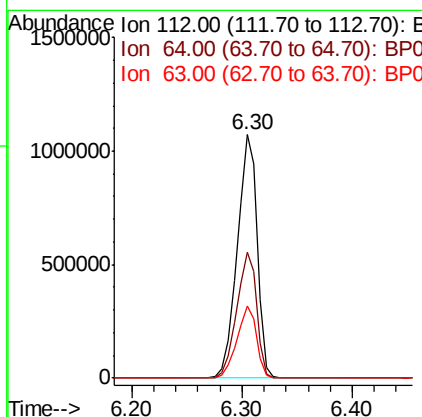
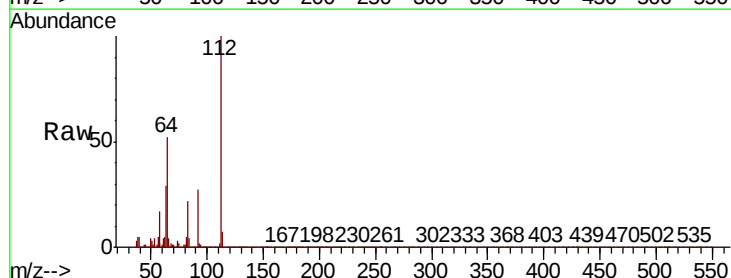
RT: 6.30 min Scan# 717

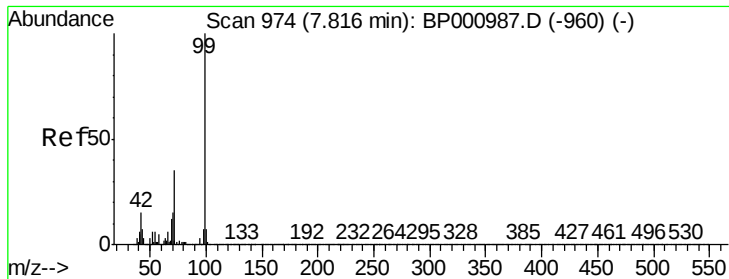
Delta R.T. 0.01 min

Lab File: BP001023.D

Acq: 11 Nov 2019 18:41

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 112   | Resp: | 1354769 |
| Ion Ratio | Lower | Upper |         |
| 112       | 100   |       |         |
| 64        | 51.8  | 43.4  | 65.0    |
| 63        | 29.4  | 23.4  | 35.0    |





#7

Phenol-d6

Concen: 98.524 ng

RT: 7.82 min Scan# 974

Delta R.T. -0.00 min

Lab File: BP001023.D

Acq: 11 Nov 2019 18:41

Instrument :

BNA\_P

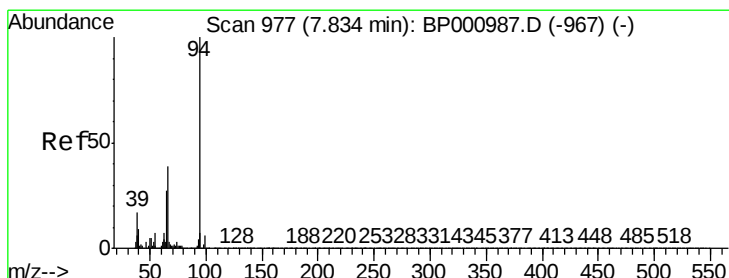
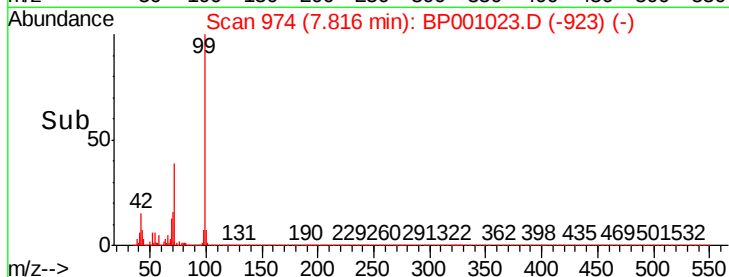
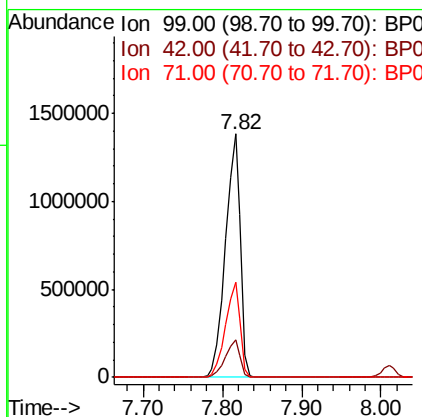
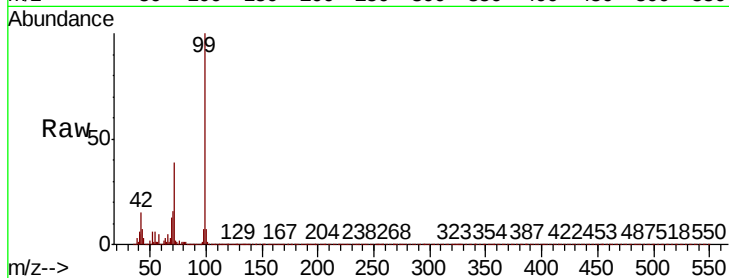
ClientSampleId :

NORTH-BERGEN-1

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 99    | Resp: | 1782541 |
| Ion      | Ratio | Lower | Upper   |
| 99       | 100   |       |         |
| 42       | 15.4  | 11.6  | 17.4    |
| 71       | 38.9  | 28.0  | 42.0    |

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#10

Phenol

Concen: 5.910 ng

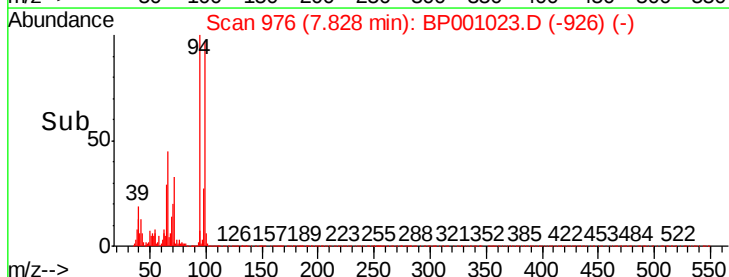
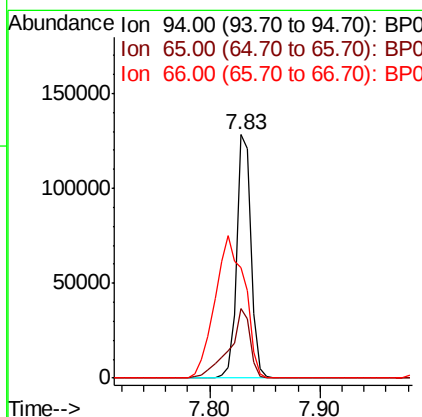
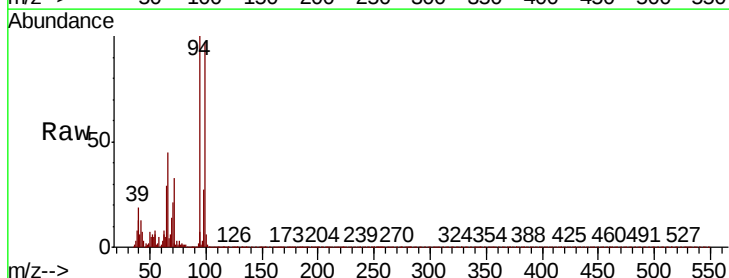
RT: 7.83 min Scan# 976

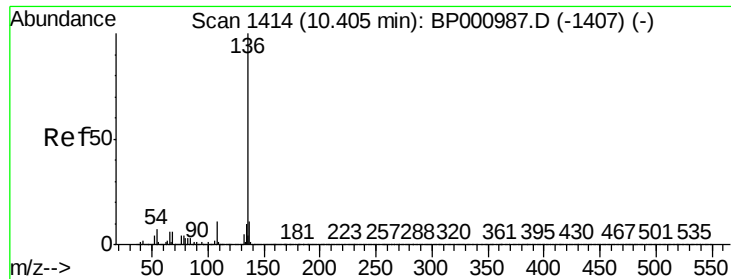
Delta R.T. -0.01 min

Lab File: BP001023.D

Acq: 11 Nov 2019 18:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 116962 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 28.5  | 6.7   | 46.7   |
| 66       | 45.5  | 18.6  | 58.6   |





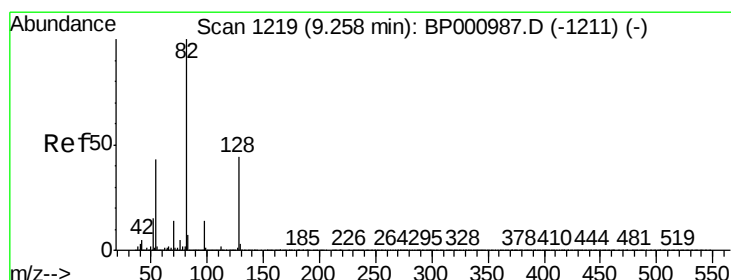
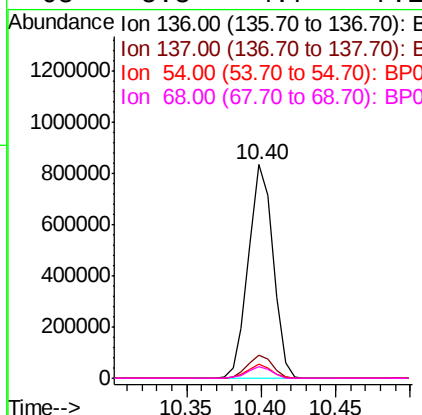
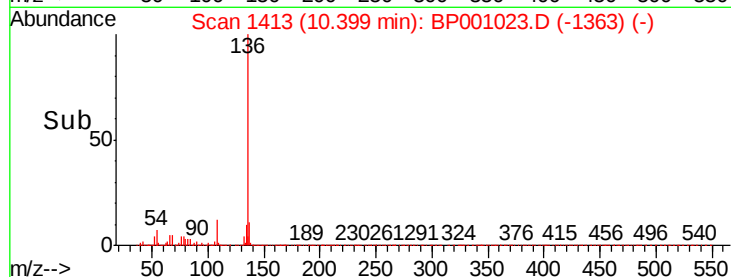
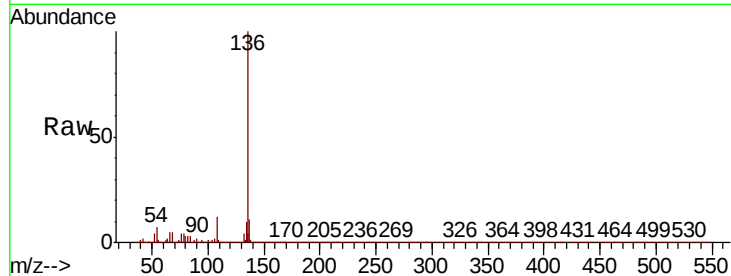
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.40 min Scan# 1413  
Delta R.T. -0.01 min  
Lab File: BP001023.D  
Acq: 11 Nov 2019 18:41

Instrument :  
BNA\_P  
ClientSampleId :  
NORTH-BERGEN-1

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 11.0  | 9.0  | 13.6  |       |
| 54      | 6.5   | 5.4  | 8.2   |       |
| 68      | 5.3   | 4.7  | 7.1   |       |

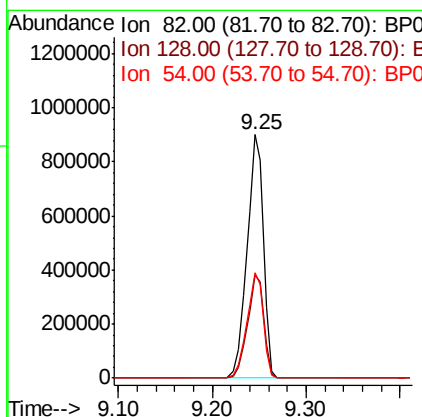
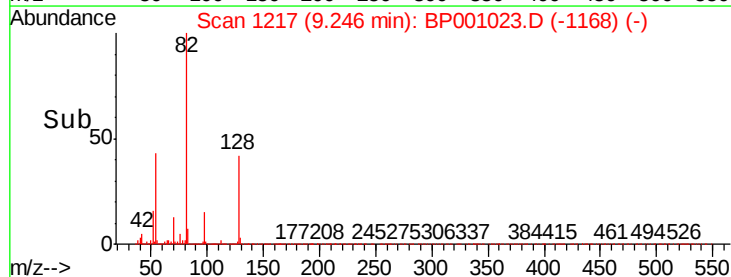
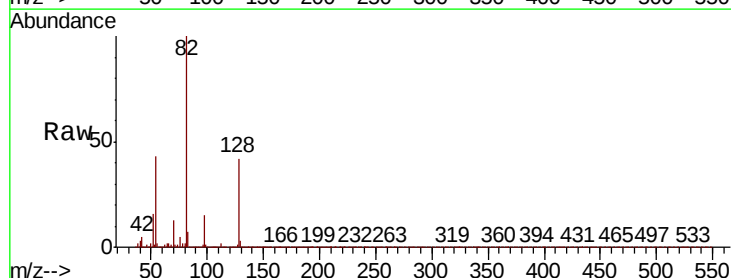
Manual Integrations  
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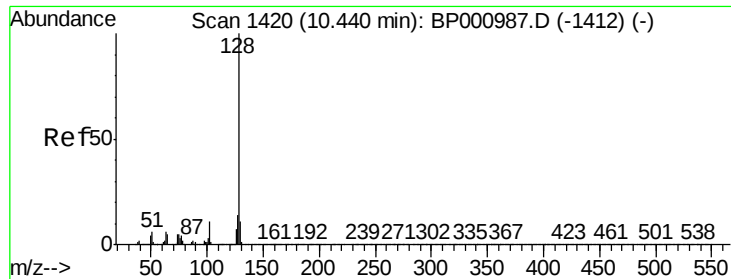
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#23  
Nitrobenzene-d5  
Concen: 62.449 ng  
RT: 9.25 min Scan# 1217  
Delta R.T. -0.01 min  
Lab File: BP001023.D  
Acq: 11 Nov 2019 18:41

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 42.2  | 35.3 | 52.9  |       |
| 54      | 43.4  | 34.3 | 51.5  |       |





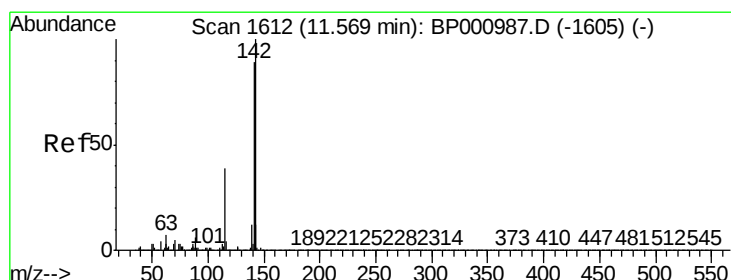
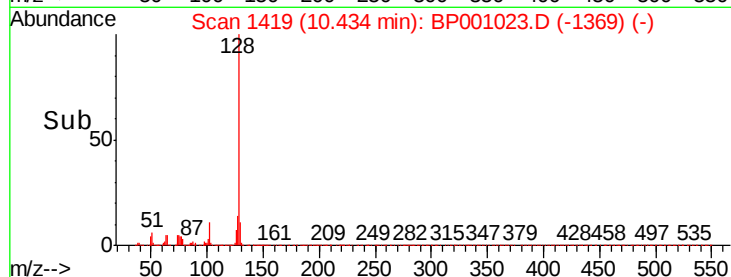
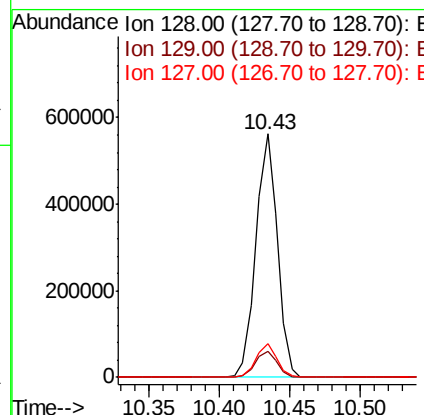
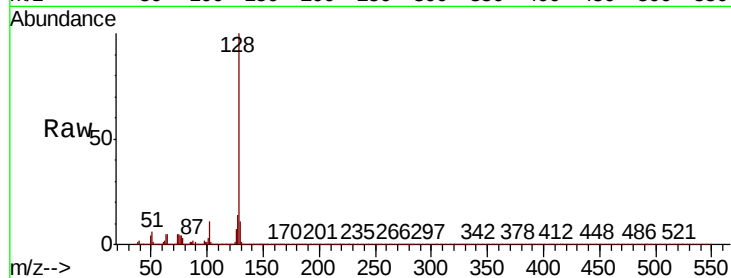
#31  
Naphthalene  
Concen: 12.692 ng  
RT: 10.43 min Scan# 1419  
Delta R.T. -0.01 min  
Lab File: BP001023.D  
Acq: 11 Nov 2019 18:41

Instrument :  
BNA\_P  
ClientSampleId :  
NORTH-BERGEN-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.6  | 8.7   | 13.1  |
| 127     | 13.9  | 10.8  | 16.2  |

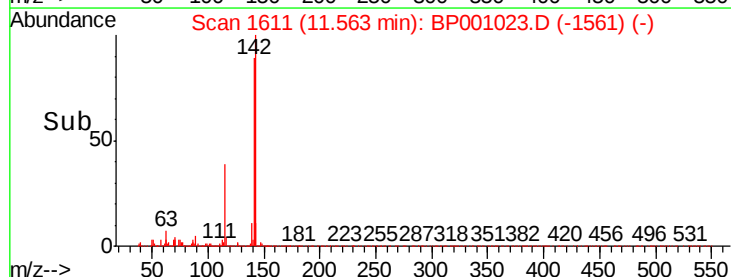
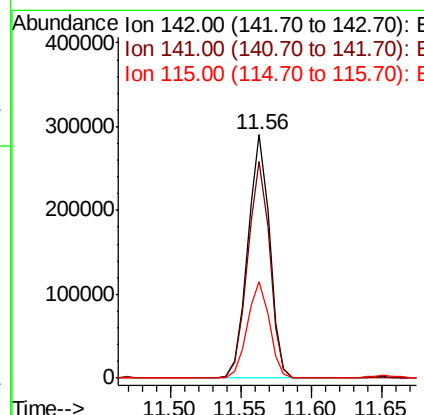
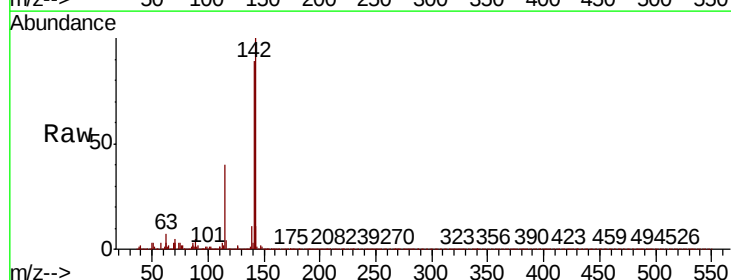
Manual Integrations  
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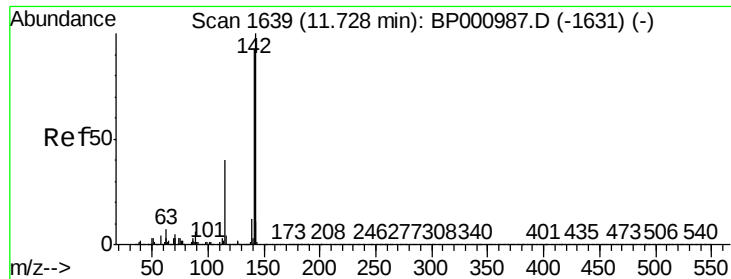
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#37  
2-Methylnaphthalene  
Concen: 9.394 ng  
RT: 11.56 min Scan# 1611  
Delta R.T. -0.01 min  
Lab File: BP001023.D  
Acq: 11 Nov 2019 18:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.1  | 71.5  | 107.3 |
| 115     | 39.5  | 30.8  | 46.2  |





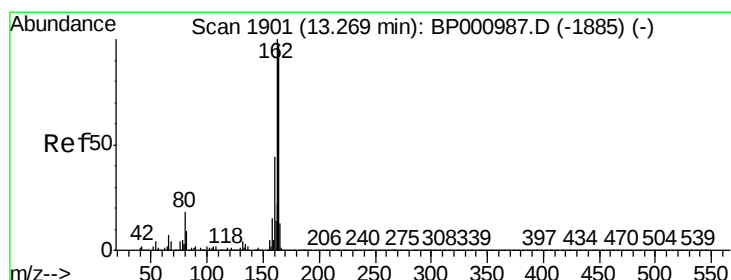
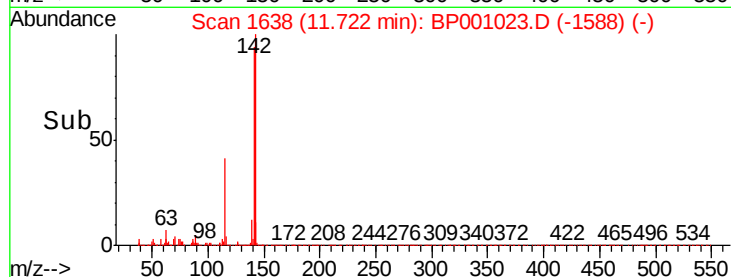
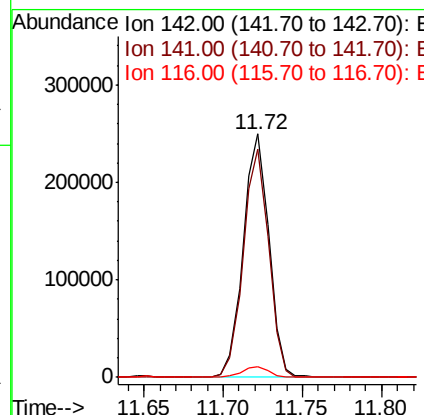
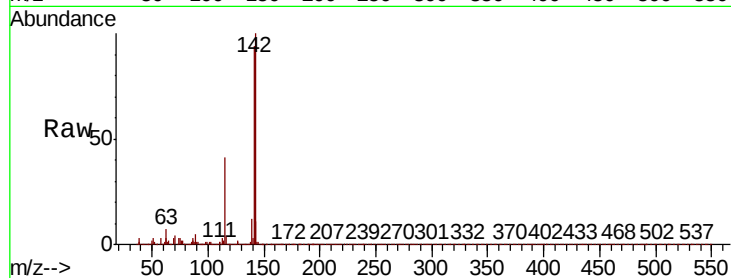
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1-Methylnaphthalene  
Concen: 8.880 ng  
RT: 11.72 min Scan# 1638  
Delta R.T. -0.01 min  
Lab File: BP001023.D  
Acq: 11 Nov 2019 18:41

Instrument :  
BNA\_P  
ClientSampleId :  
NORTH-BERGEN-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 93.8  | 73.9  | 110.9 |
| 116     | 4.2   | 3.4   | 5.0   |

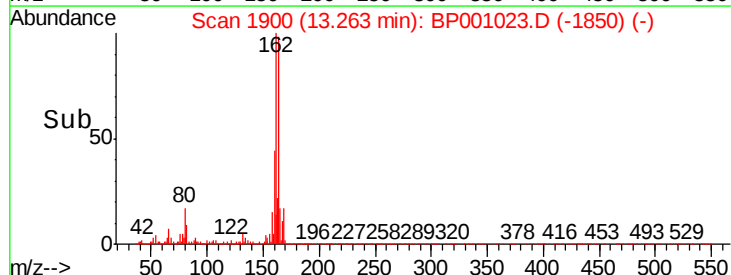
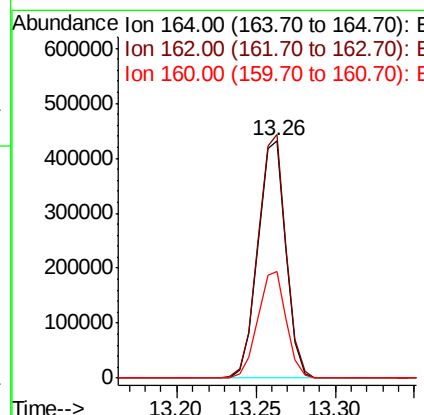
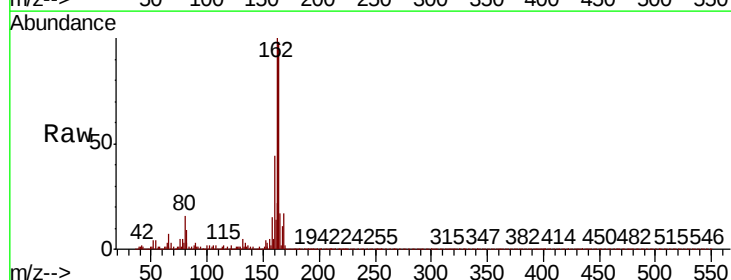
Manual Integrations  
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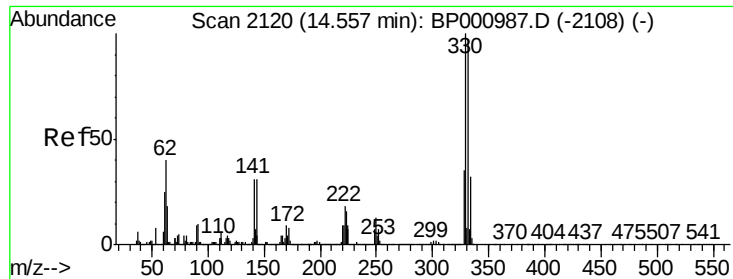
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#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 13.26 min Scan# 1900  
Delta R.T. -0.01 min  
Lab File: BP001023.D  
Acq: 11 Nov 2019 18:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.4 | 82.6  | 123.8 |
| 160     | 44.9  | 36.5  | 54.7  |





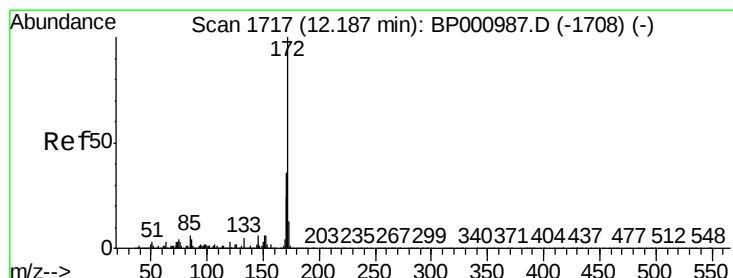
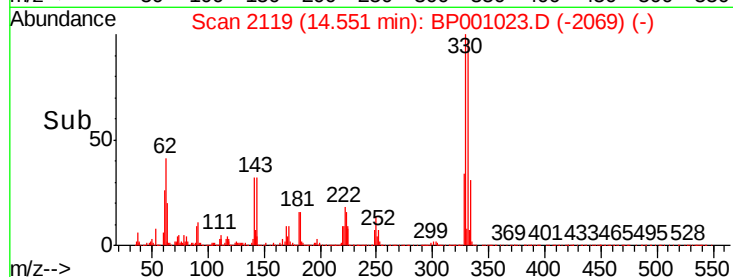
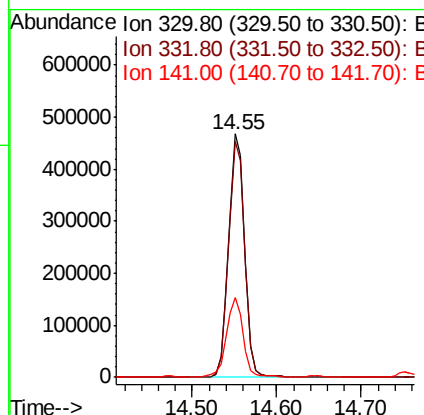
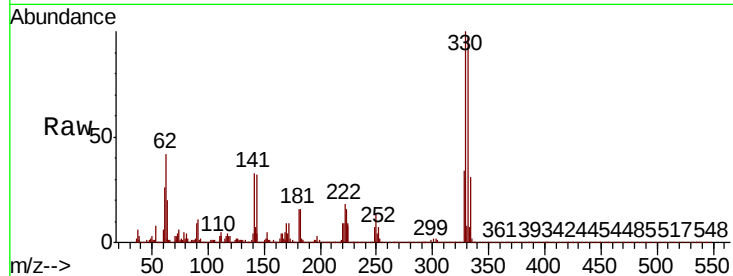
#42  
 2,4,6-Tribromophenol  
 Concen: 96.097 ng  
 RT: 14.55 min Scan# 2119  
 Delta R.T. -0.01 min  
 Lab File: BP001023.D  
 Acq: 11 Nov 2019 18:41

Instrument :  
 BNA\_P  
 ClientSampleId :  
 NORTH-BERGEN-1

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 606246 |       |       |
| 332     | 97.8  | 78.3   | 117.5 |       |
| 141     | 33.6  | 25.0   | 37.4  |       |

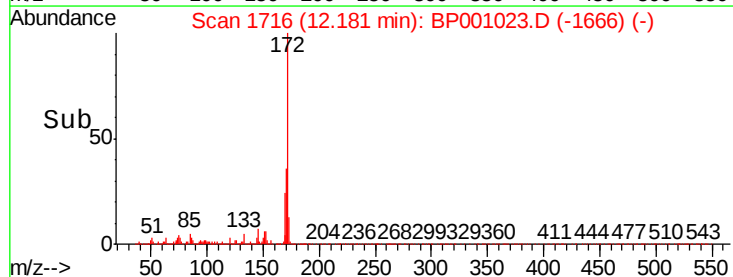
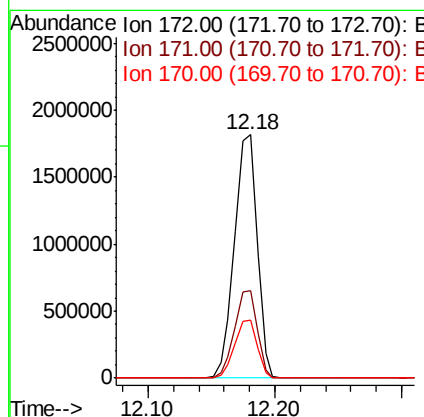
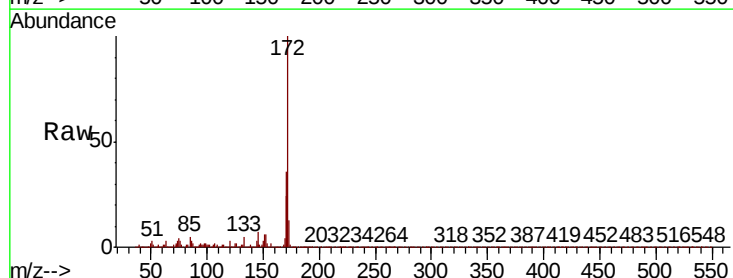
Manual Integrations  
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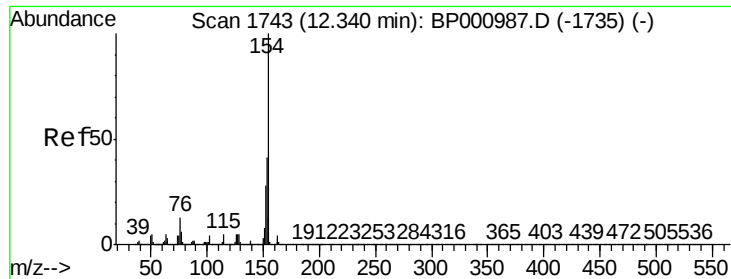
mohammad  
 11/12/2019 5:04:38 PM



#45  
 2-Fluorobiphenyl  
 Concen: 64.047 ng  
 RT: 12.18 min Scan# 1716  
 Delta R.T. -0.01 min  
 Lab File: BP001023.D  
 Acq: 11 Nov 2019 18:41

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 172     | 100   | 2247329 |       |       |
| 171     | 36.0  | 28.5    | 42.7  |       |
| 170     | 23.6  | 18.9    | 28.3  |       |





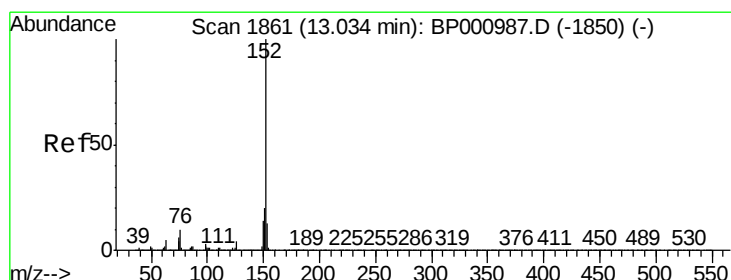
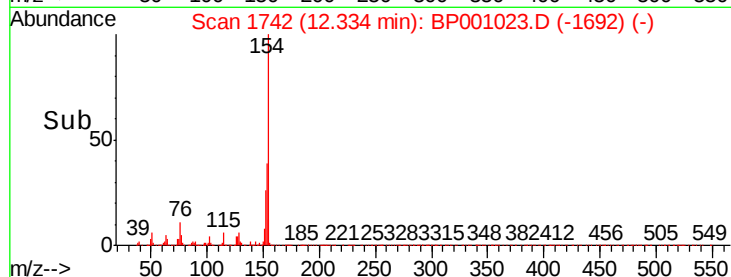
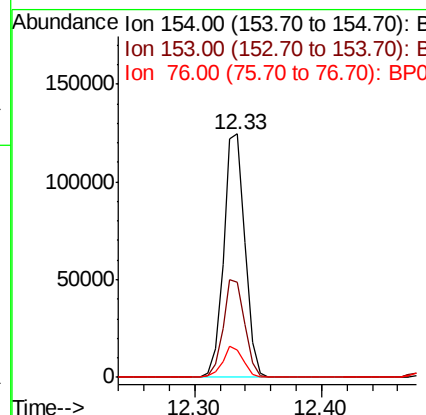
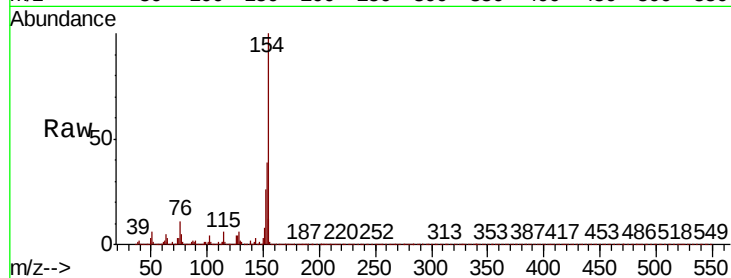
#46  
 1,1'-Biphenyl  
 Concen: 3.670 ng  
 RT: 12.33 min Scan# 1742  
 Delta R.T. -0.01 min  
 Lab File: BP001023.D  
 Acq: 11 Nov 2019 18:41

Instrument :  
 BNA\_P  
 ClientSampleId :  
 NORTH-BERGEN-1

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 145015 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 39.3  | 20.9  | 60.9   |
| 76        | 11.1  | 0.0   | 32.5   |

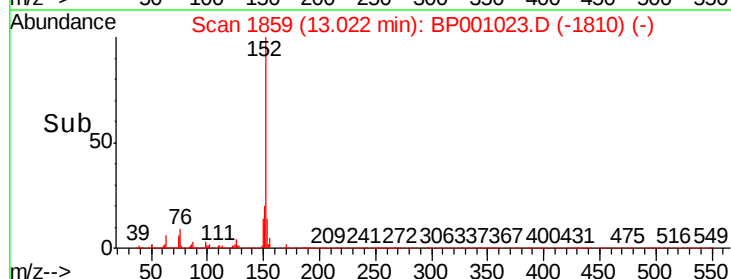
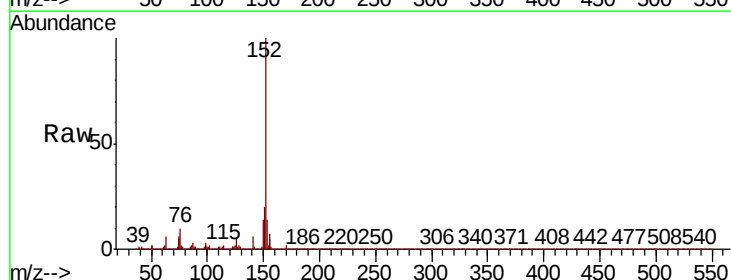
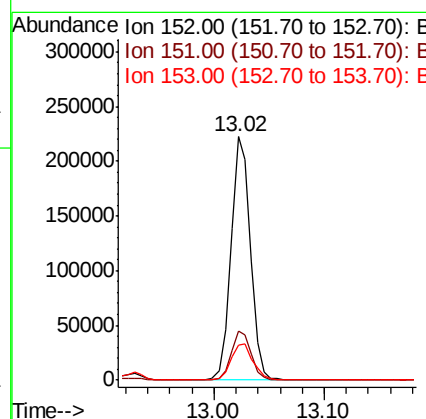
Manual Integrations  
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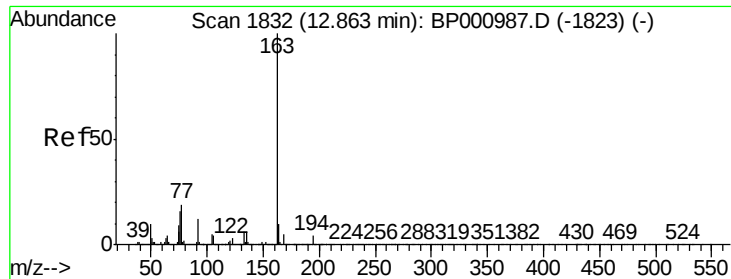
mohammad  
 11/12/2019 5:04:38 PM



#49  
 Acenaphthylene  
 Concen: 5.633 ng  
 RT: 13.02 min Scan# 1859  
 Delta R.T. -0.01 min  
 Lab File: BP001023.D  
 Acq: 11 Nov 2019 18:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 272432 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 20.3  | 16.0  | 24.0   |
| 153       | 14.5  | 10.6  | 16.0   |





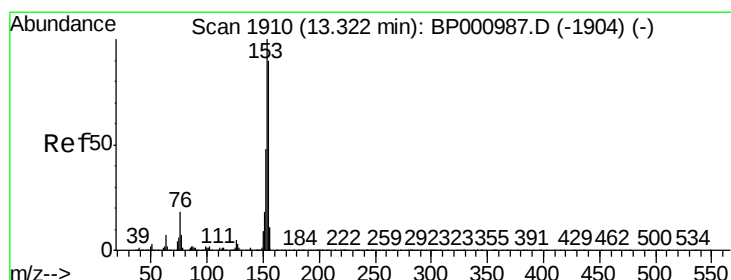
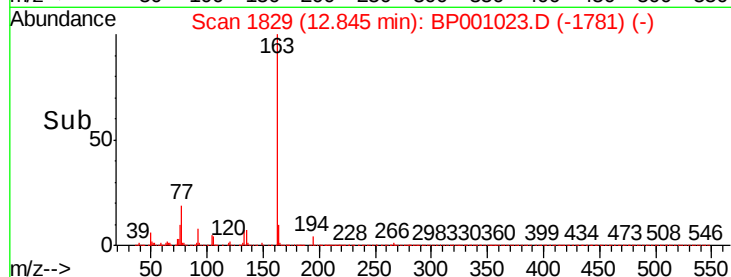
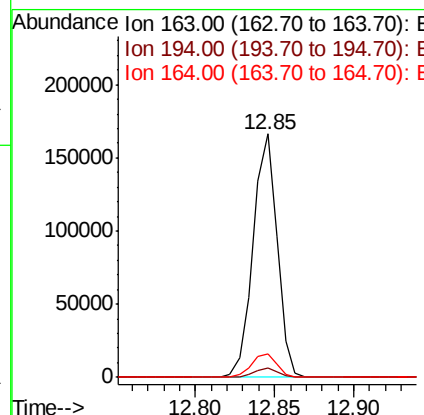
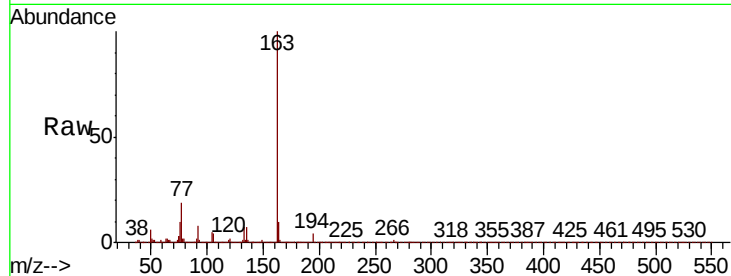
#50  
Dimethylphthalate  
Concen: 4.470 ng  
RT: 12.85 min Scan# 1829  
Delta R.T. -0.02 min  
Lab File: BP001023.D  
Acq: 11 Nov 2019 18:41

Instrument :  
BNA\_P  
ClientSampleId :  
NORTH-BERGEN-1

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 174685 |       |       |
| 194     | 3.8   |        | 3.4   | 5.2   |
| 164     | 9.8   |        | 7.9   | 11.9  |

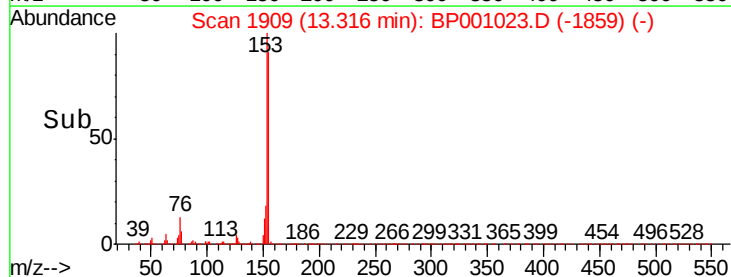
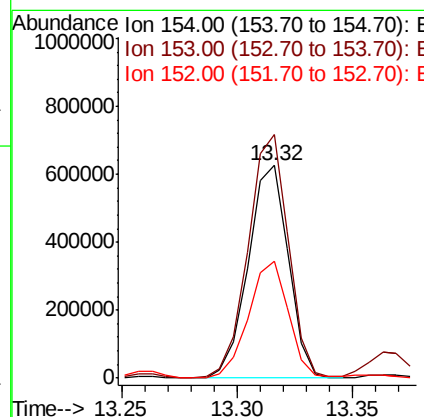
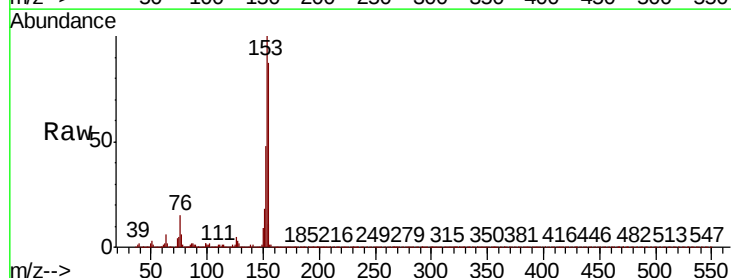
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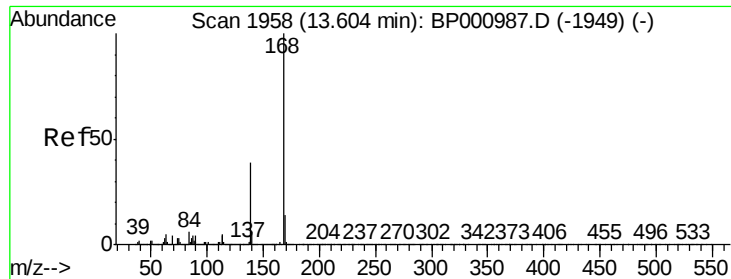
mohammad  
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#52  
Acenaphthene  
Concen: 26.322 ng  
RT: 13.32 min Scan# 1909  
Delta R.T. -0.01 min  
Lab File: BP001023.D  
Acq: 11 Nov 2019 18:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 154     | 100   | 761329 |       |       |
| 153     | 114.4 |        | 88.9  | 133.3 |
| 152     | 55.0  |        | 42.4  | 63.6  |





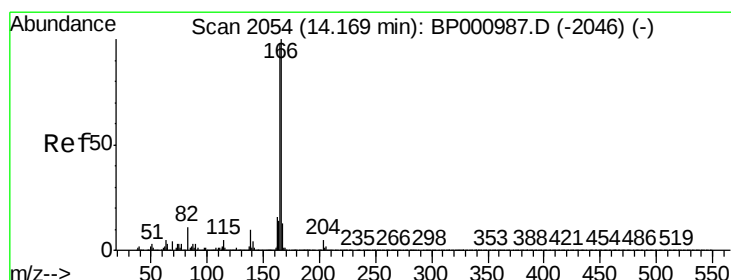
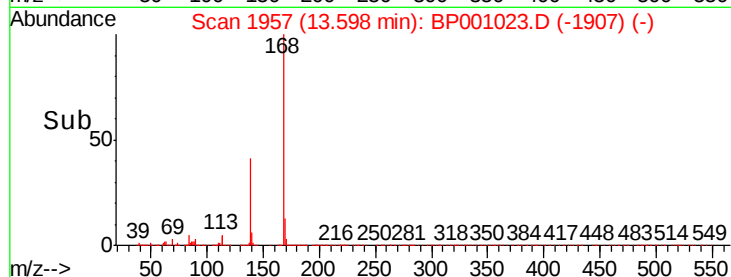
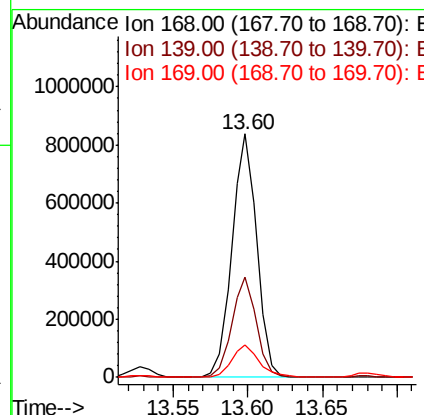
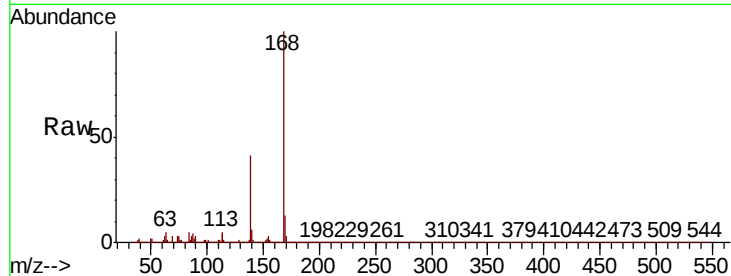
#55  
Dibenzofuran  
Concen: 21.658 ng  
RT: 13.60 min Scan# 1957  
Delta R.T. -0.01 min  
Lab File: BP001023.D  
Acq: 11 Nov 2019 18:41

Instrument :  
BNA\_P  
ClientSampleId :  
NORTH-BERGEN-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 41.2  | 30.9  | 46.3  |
| 169     | 13.3  | 10.9  | 16.3  |

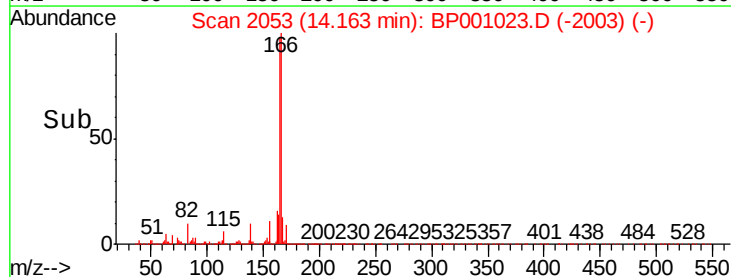
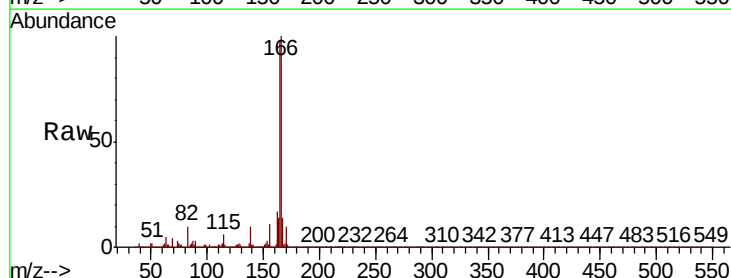
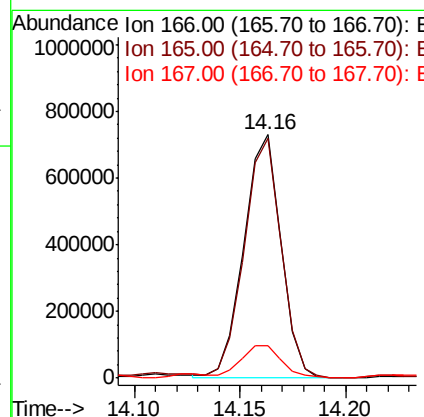
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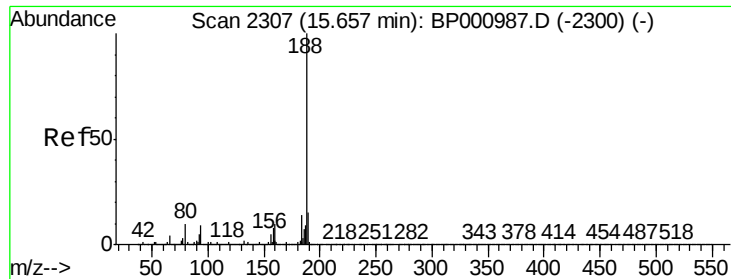
mohammad  
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#58  
Fluorene  
Concen: 24.789 ng  
RT: 14.16 min Scan# 2053  
Delta R.T. -0.01 min  
Lab File: BP001023.D  
Acq: 11 Nov 2019 18:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 98.5  | 78.2  | 117.2 |
| 167     | 13.5  | 10.7  | 16.1  |





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 15.66 min Scan# 2307

Delta R.T. -0.00 min

Lab File: BP001023.D

Acq: 11 Nov 2019 18:41

Instrument :

BNA\_P

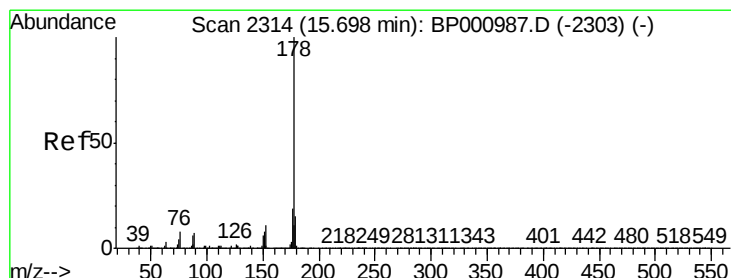
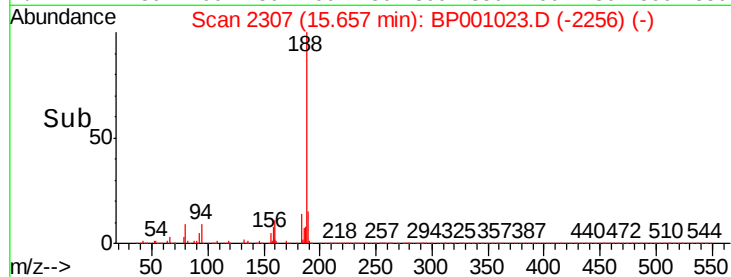
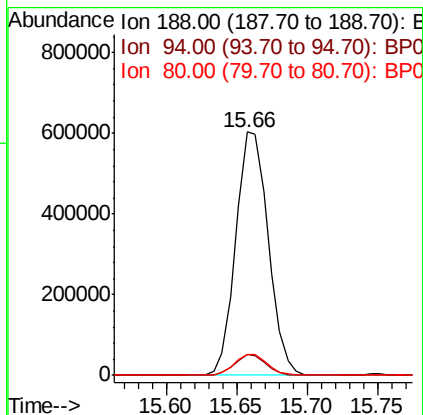
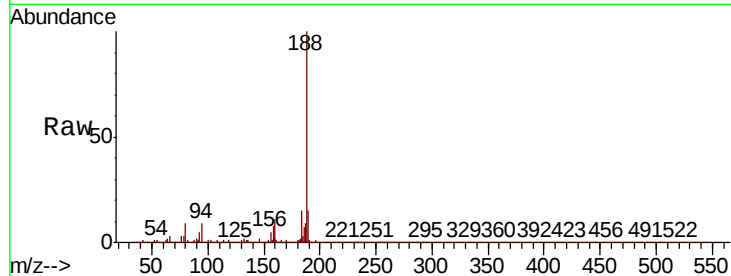
ClientSampleId :

NORTH-BERGEN-1

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 188   | Resp: | 969759 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 8.6   | 7.4   | 11.2   |
| 80        | 8.6   | 7.9   | 11.9   |

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#71

Phenanthrene

Concen: 173.983 ng

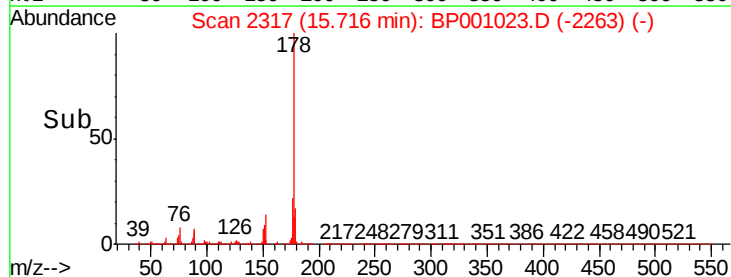
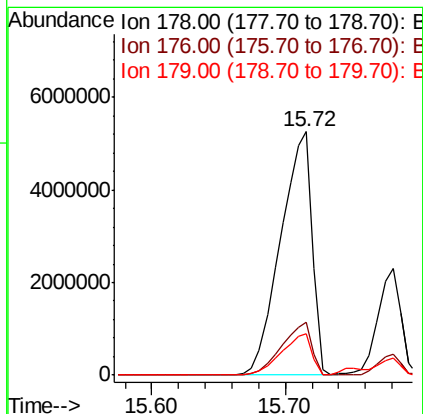
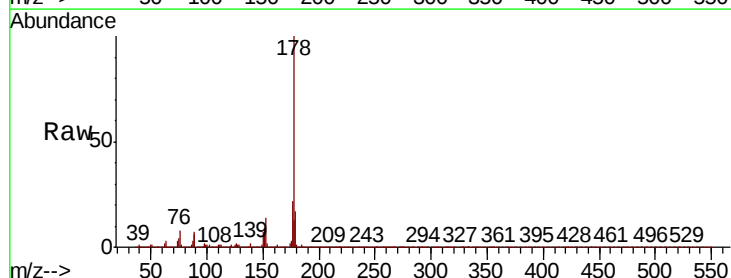
RT: 15.72 min Scan# 2317

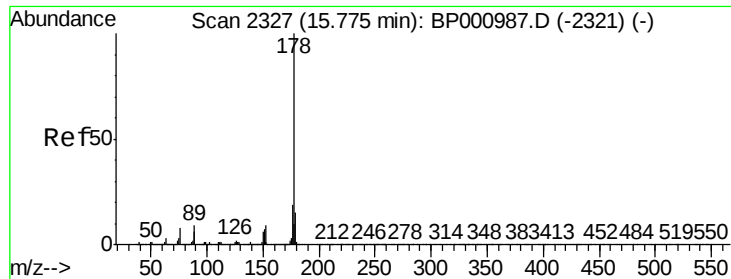
Delta R.T. 0.02 min

Lab File: BP001023.D

Acq: 11 Nov 2019 18:41

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 178   | Resp: | 8635384 |
| Ion Ratio | Lower | Upper |         |
| 178       | 100   |       |         |
| 176       | 21.6  | 15.5  | 23.3    |
| 179       | 16.7  | 12.3  | 18.5    |





#72

Anthracene

Concen: 56.214 ng

RT: 15.78 min Scan# 2328

Delta R.T. 0.01 min

Lab File: BP001023.D

Acq: 11 Nov 2019 18:41

Instrument :

BNA\_P

ClientSampleId :

NORTH-BERGEN-1

Tot Ion:178 Resp: 2721742

Ion Ratio Lower Upper

178 100

176 19.0 15.1 22.7

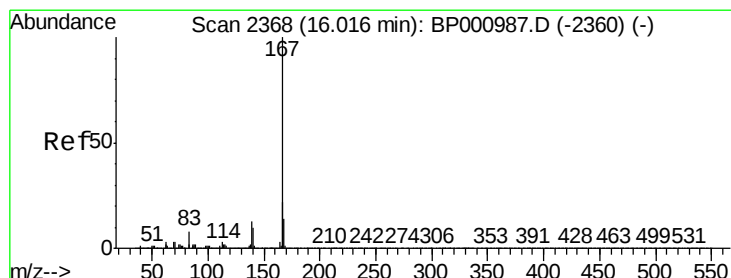
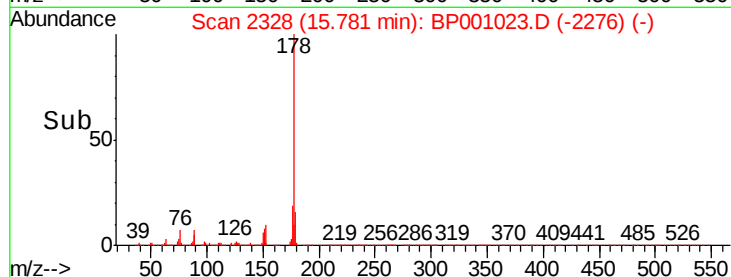
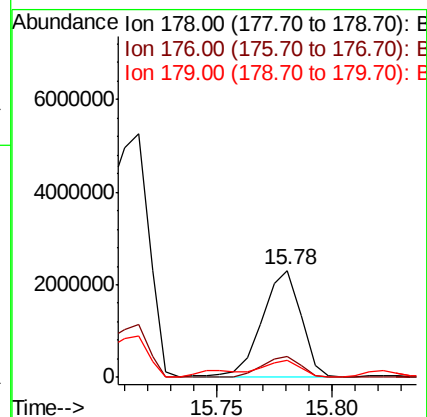
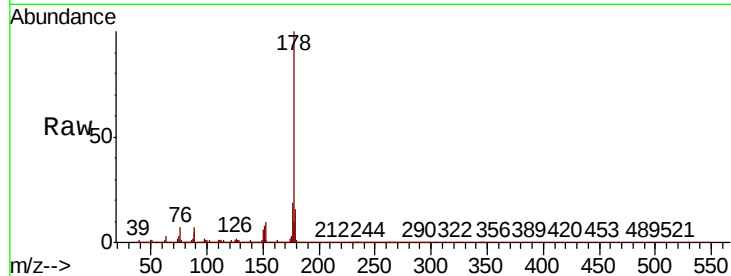
179 15.8 12.3 18.5

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#73

Carbazole

Concen: 17.674 ng

RT: 16.02 min Scan# 2368

Delta R.T. -0.00 min

Lab File: BP001023.D

Acq: 11 Nov 2019 18:41

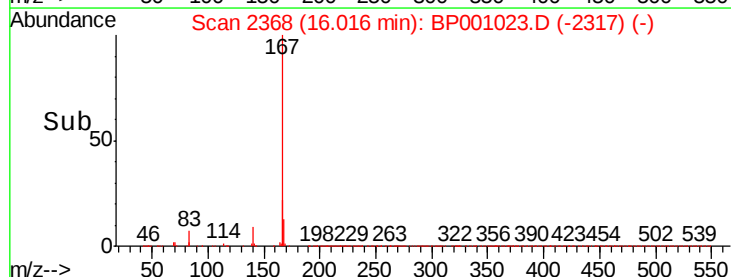
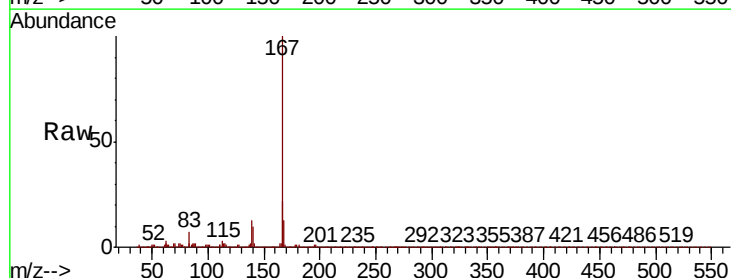
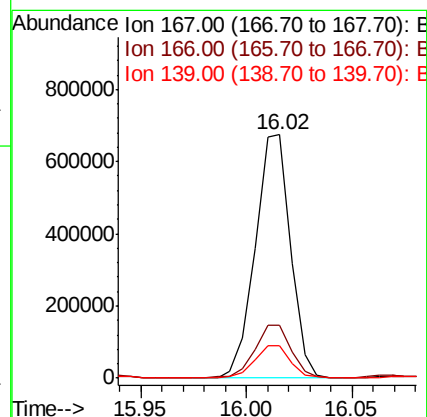
Tgt Ion:167 Resp: 784550

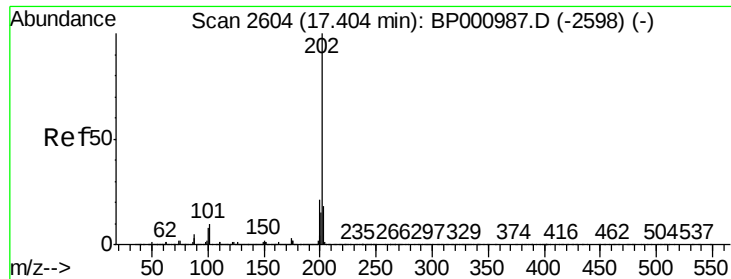
Ion Ratio Lower Upper

167 100

166 22.0 17.6 26.4

139 13.3 10.6 15.8





#75

Fluoranthene

Concen: 155.176 ng

RT: 17.42 min Scan# 2607

Delta R.T. 0.02 min

Lab File: BP001023.D

Acq: 11 Nov 2019 18:41

Instrument :

BNA\_P

ClientSampleId :

NORTH-BERGEN-1

Tot Ion:202 Resp: 8705500

Ion Ratio Lower Upper

202 100

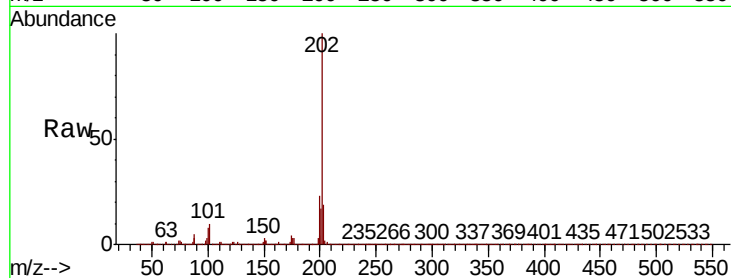
101 10.4 0.0 30.1

203 19.5 0.0 37.7

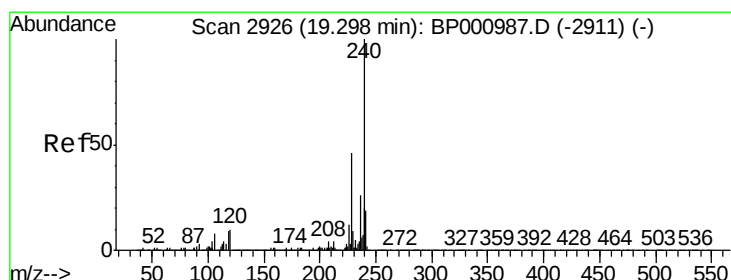
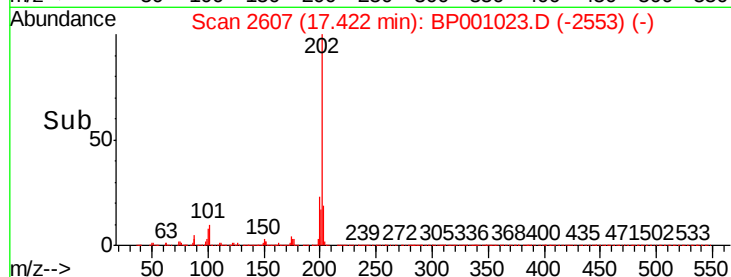
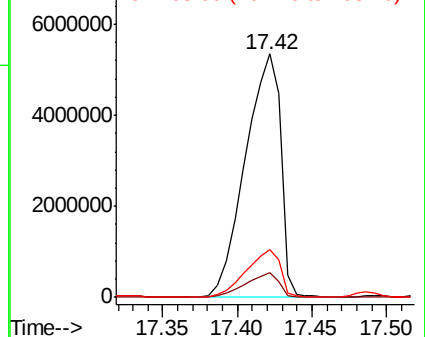
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Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 19.30 min Scan# 2927

Delta R.T. 0.01 min

Lab File: BP001023.D

Acq: 11 Nov 2019 18:41

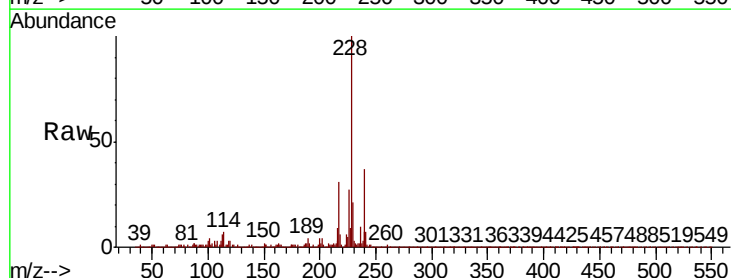
Tgt Ion:240 Resp: 675104

Ion Ratio Lower Upper

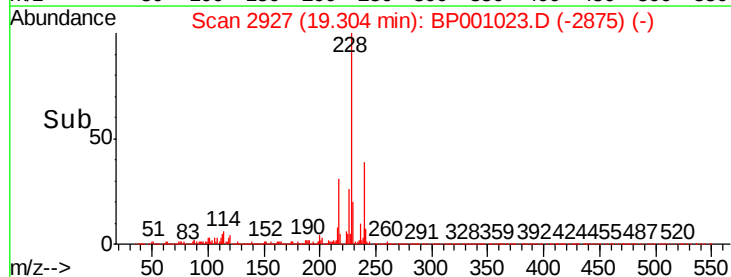
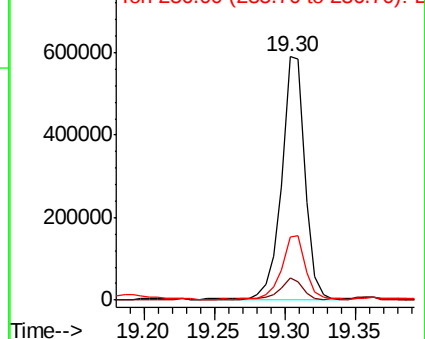
240 100

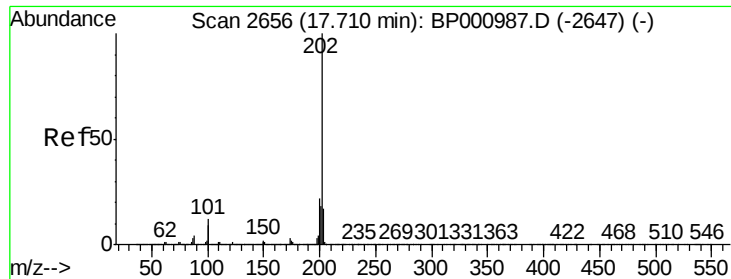
120 9.2 8.2 12.2

236 26.2 20.5 30.7



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





#78

Pvrene

Concen: 153.637 ng

RT: 17.73 min Scan# 2659

Delta R.T. 0.02 min

Lab File: BP001023.D

Acq: 11 Nov 2019 18:41

Instrument :

BNA\_P

ClientSampleId :

NORTH-BERGEN-1

Tot Ion:202 Resp: 7330027

Ion Ratio Lower Upper

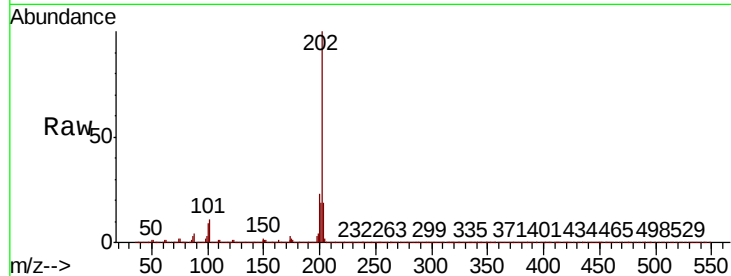
202 100

200 23.1 17.2 25.8

203 19.3 14.0 21.0

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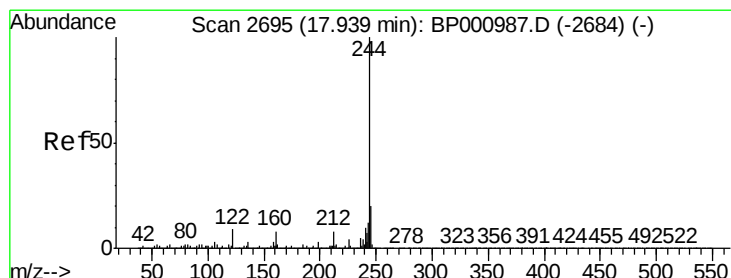
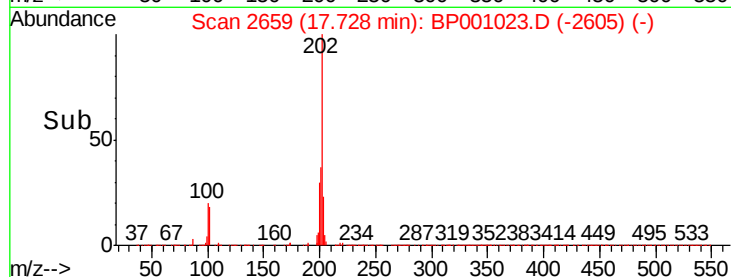
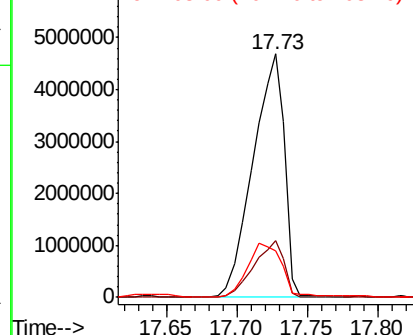


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 68.961 ng

RT: 17.94 min Scan# 2695

Delta R.T. -0.00 min

Lab File: BP001023.D

Acq: 11 Nov 2019 18:41

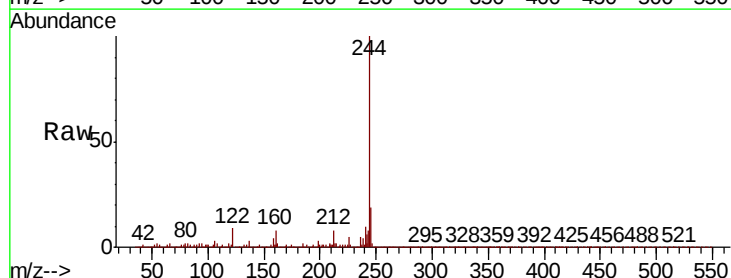
Tgt Ion:244 Resp: 2340485

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

122 8.7 7.4 11.2

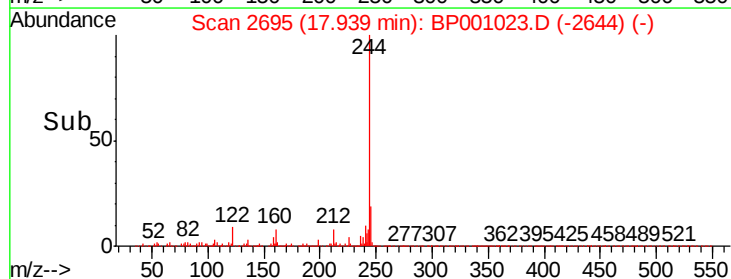
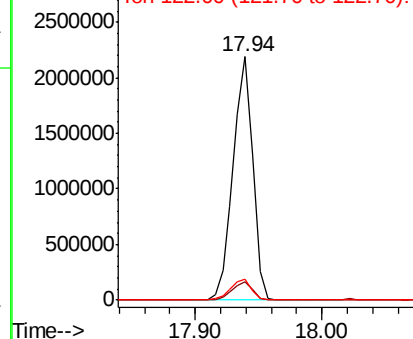


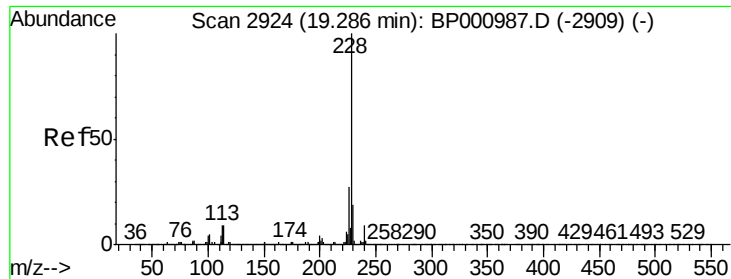
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





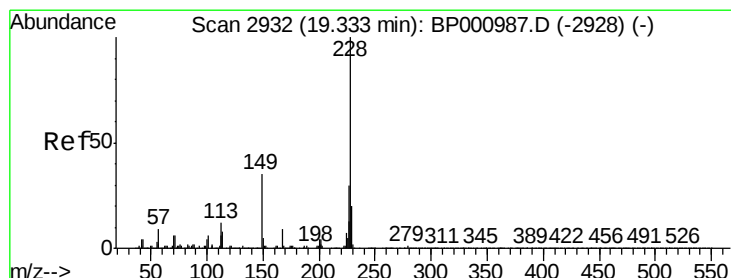
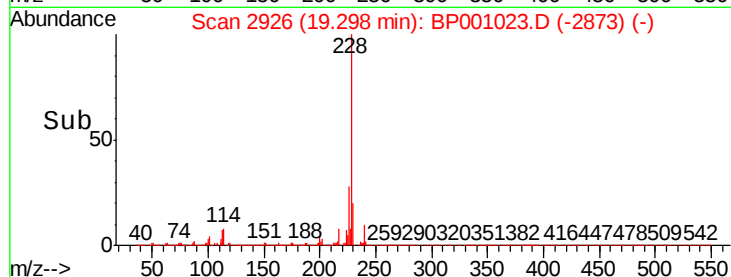
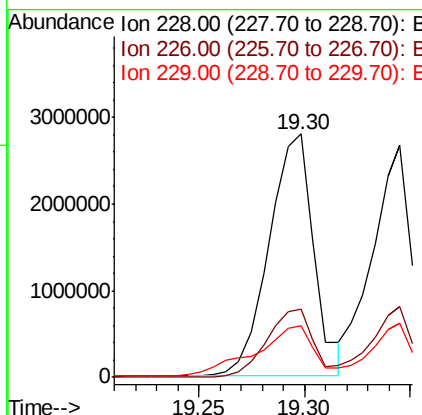
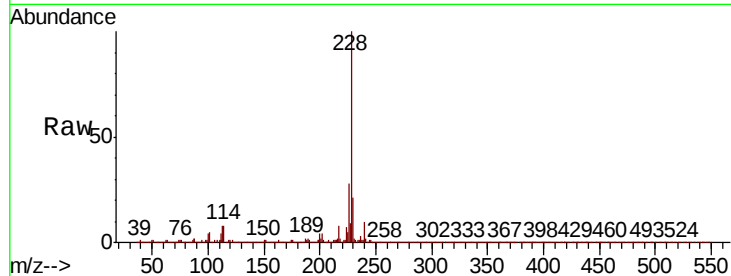
#81  
Benzo(a)anthracene  
Concen: 91.125 ng  
RT: 19.30 min Scan# 2926  
Delta R.T. 0.01 min  
Lab File: BP001023.D  
Acq: 11 Nov 2019 18:41

Instrument :  
BNA\_P  
ClientSampleId :  
NORTH-BERGEN-1

Tot Ion:228 Resp: 4143259  
Ion Ratio Lower Upper  
228 100  
226 28.3 21.8 32.8  
229 21.2 15.6 23.4

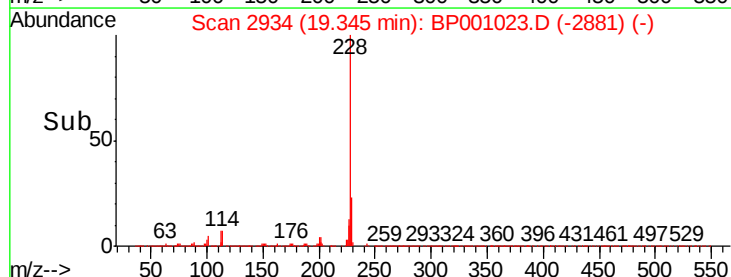
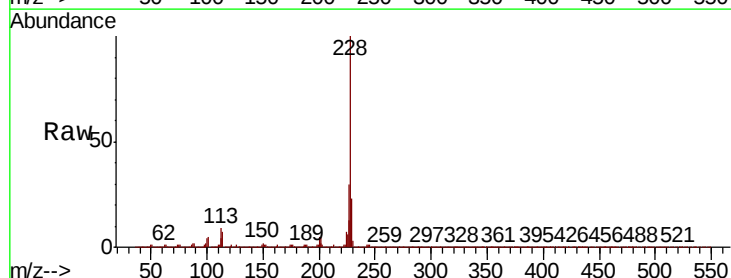
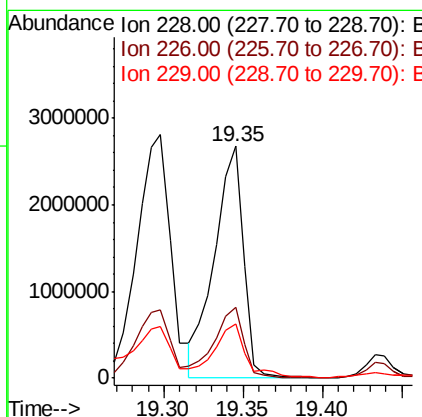
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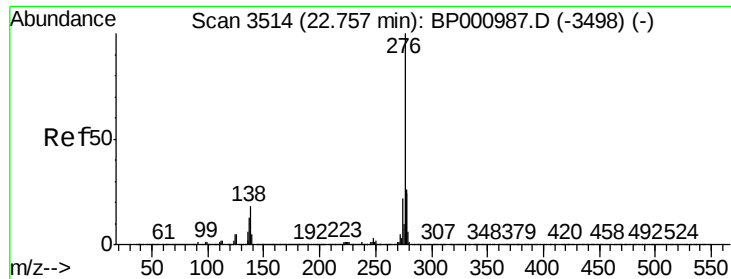
mohammad  
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#83  
Chrysene  
Concen: 84.598 ng  
RT: 19.35 min Scan# 2934  
Delta R.T. 0.01 min  
Lab File: BP001023.D  
Acq: 11 Nov 2019 18:41

Tgt Ion:228 Resp: 3376971  
Ion Ratio Lower Upper  
228 100  
226 30.5 24.2 36.2  
229 23.3 15.8 23.6





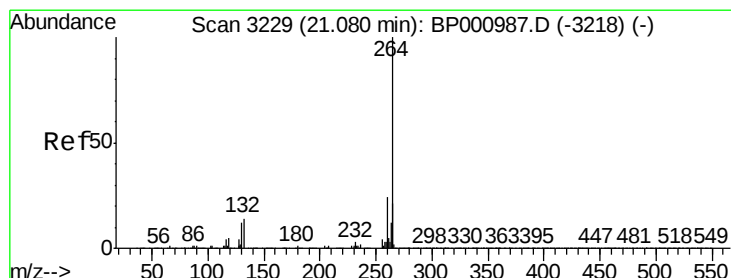
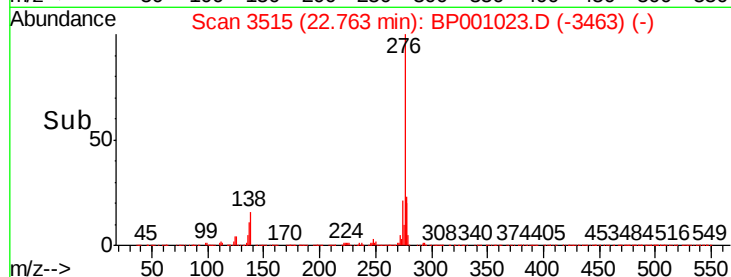
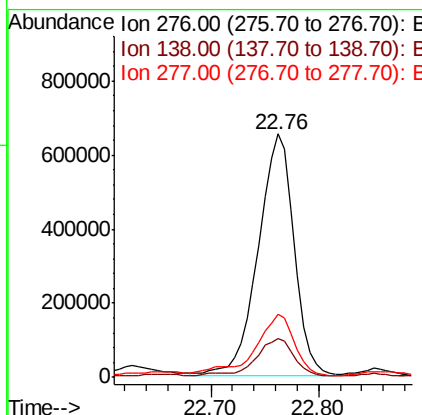
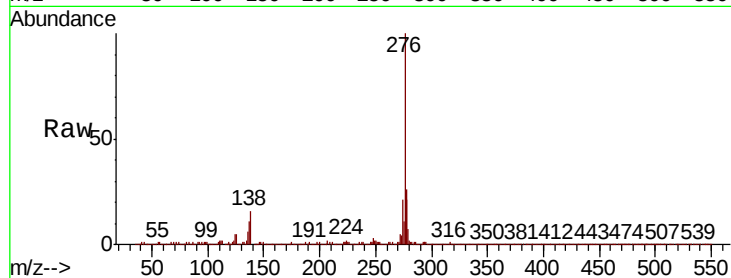
#86  
Indeno(1,2,3-cd)pyrene  
Concen: 27.595 ng m  
RT: 22.76 min Scan# 3515  
Delta R.T. 0.01 min  
Lab File: BP001023.D  
Acq: 11 Nov 2019 18:41

Instrument :  
BNA\_P  
ClientSampleId :  
NORTH-BERGEN-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 3.8   | 17.6  | 26.4# |
| 277     | 5.2   | 20.2  | 30.4# |

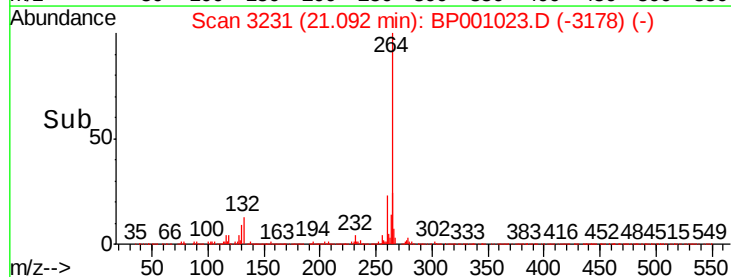
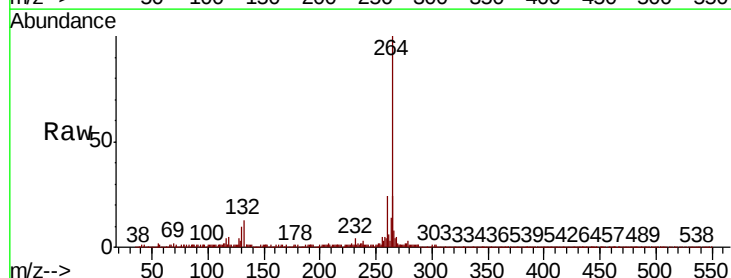
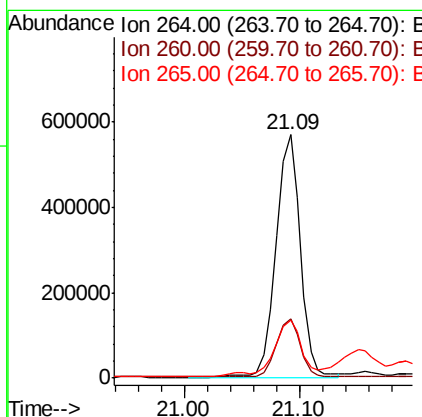
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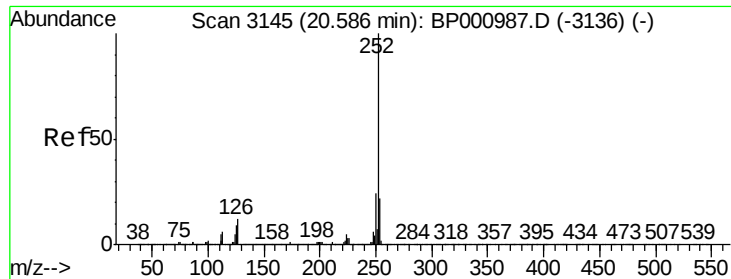
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#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 21.09 min Scan# 3231  
Delta R.T. 0.01 min  
Lab File: BP001023.D  
Acq: 11 Nov 2019 18:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.4  | 18.8  | 28.2  |
| 265     | 24.1  | 17.1  | 25.7  |





#88

Benzo(b)fluoranthene

Concen: 76.541 ng

RT: 20.60 min Scan# 3148

Delta R.T. 0.02 min

Lab File: BP001023.D

Acq: 11 Nov 2019 18:41

Instrument :

BNA\_P

ClientSampleId :

NORTH-BERGEN-1

Tot Ion:252 Resp: 3805460

Ion Ratio Lower Upper

252 100

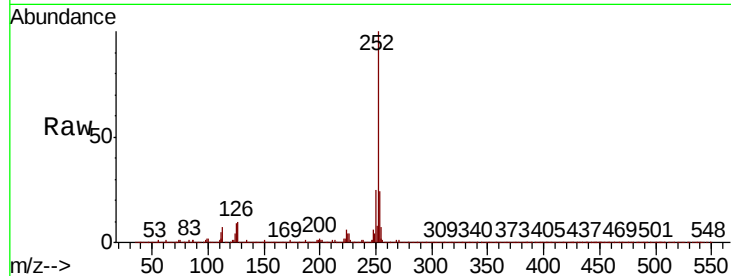
253 23.6 17.9 26.9

125 8.7 7.3 10.9

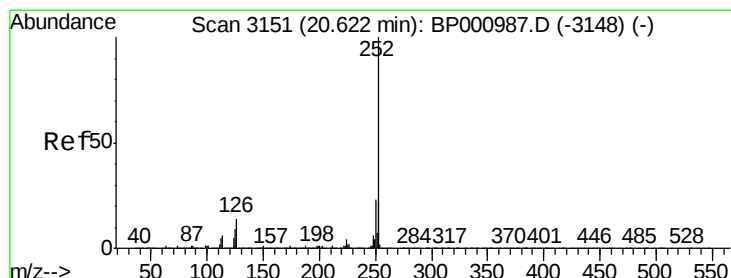
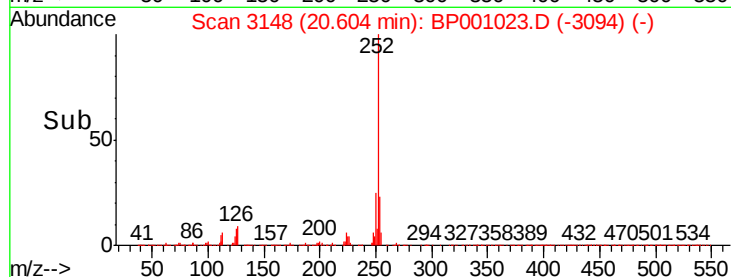
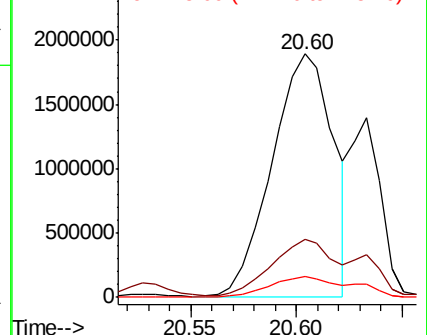
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Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 27.918 ng m

RT: 20.63 min Scan# 3153

Delta R.T. 0.01 min

Lab File: BP001023.D

Acq: 11 Nov 2019 18:41

Tgt Ion:252 Resp: 1306580

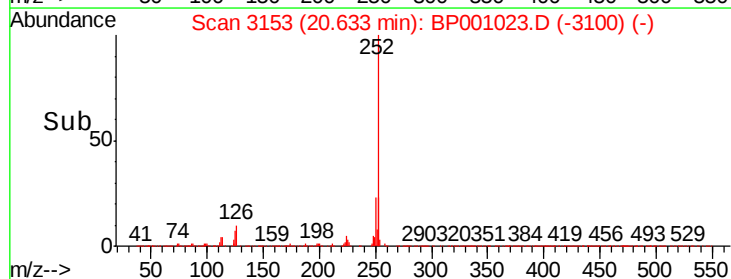
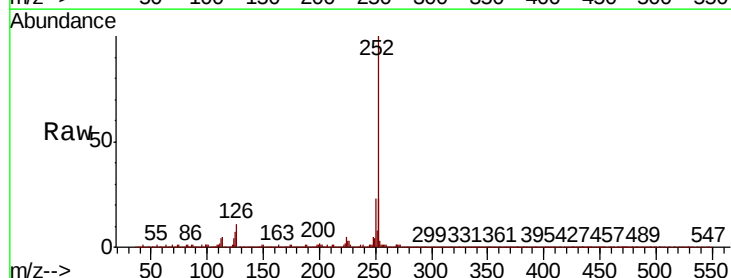
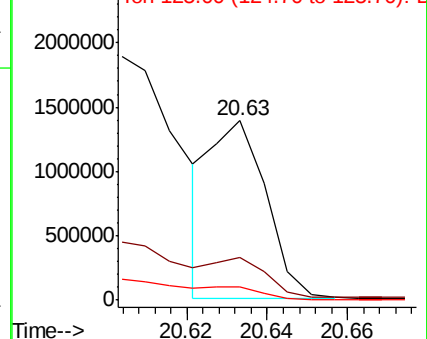
Ion Ratio Lower Upper

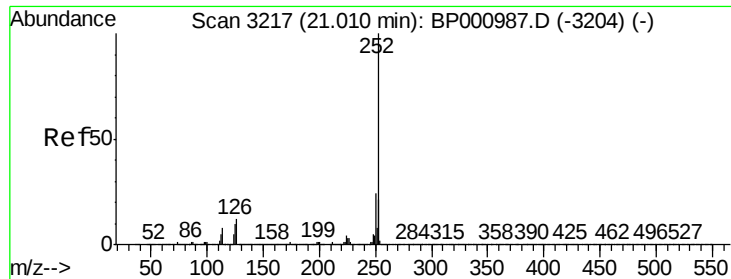
252 100

253 23.5 17.7 26.5

125 7.4 7.3 10.9

Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





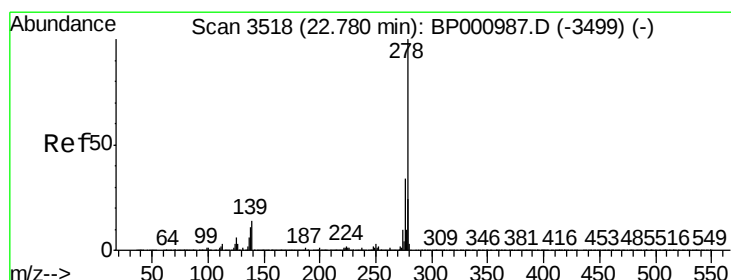
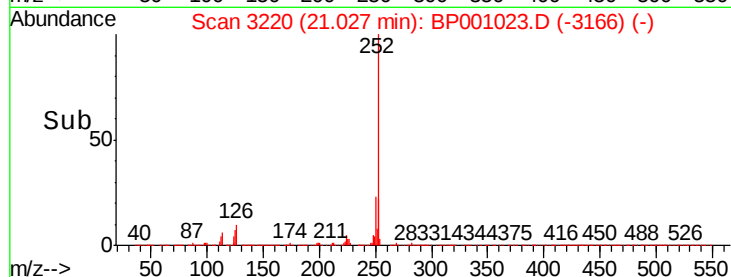
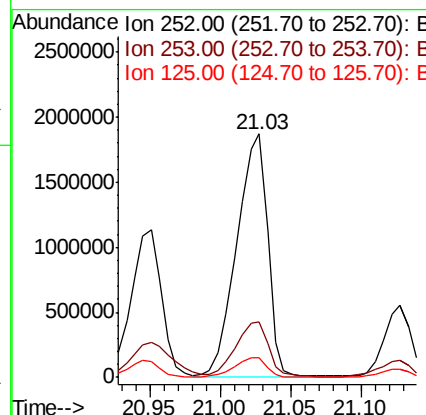
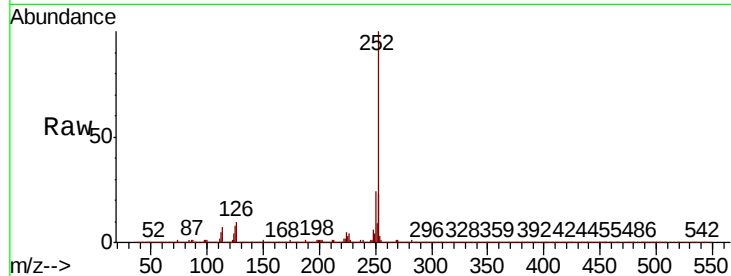
#90  
Benzo(a)pyrene  
Concen: 62.152 ng  
RT: 21.03 min Scan# 3220  
Delta R.T. 0.02 min  
Lab File: BP001023.D  
Acq: 11 Nov 2019 18:41

Instrument :  
BNA\_P  
ClientSampleId :  
NORTH-BERGEN-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.0  | 17.1  | 25.7  |
| 125     | 7.9   | 7.6   | 11.4  |

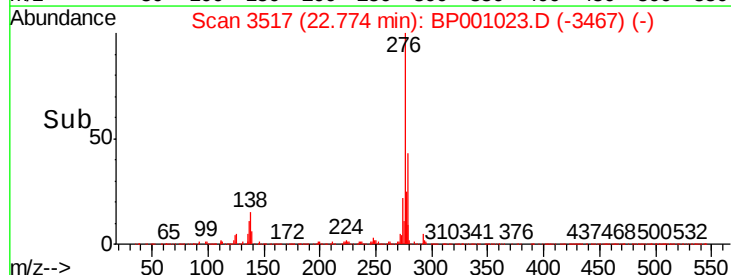
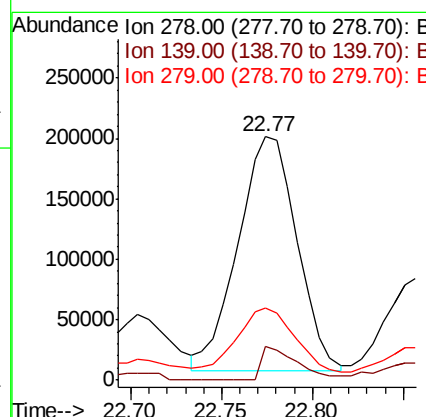
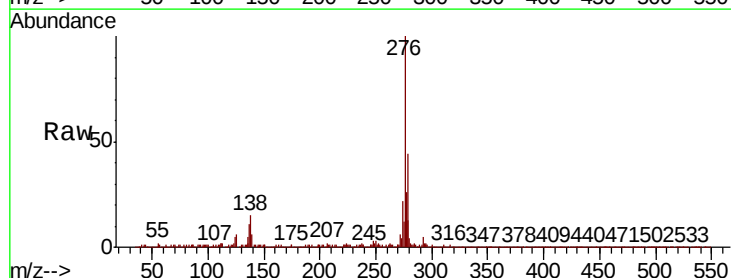
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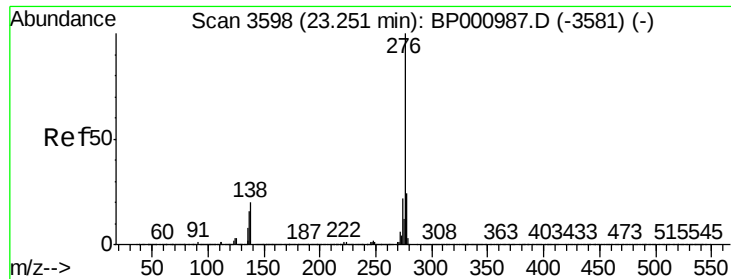
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#91  
Dibenzo(a,h)anthracene  
Concen: 9.363 ng m  
RT: 22.77 min Scan# 3517  
Delta R.T. -0.01 min  
Lab File: BP001023.D  
Acq: 11 Nov 2019 18:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 13.7  | 11.3  | 16.9  |
| 279     | 29.4  | 19.1  | 28.7# |





#92  
 Benzo(a,h,i)perylene  
 Concen: 25.593 ng  
 RT: 23.26 min Scan# 3600  
 Delta R.T. 0.01 min  
 Lab File: BP001023.D  
 Acq: 11 Nov 2019 18:41

Instrument :  
 BNA\_P  
 ClientSampleId :  
 NORTH-BERGEN-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.4  | 19.0  | 28.4  |
| 138     | 16.1  | 15.7  | 23.5  |

Manual Integrations  
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