

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090819\  
 Data File : BP000121.D  
 Acq On : 09 Sep 2019 04:24  
 Operator : HP/JU  
 Sample : K4719-01 2X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 T4-1-4-(0-1.5)-BRUCKNER

Manual Integrations  
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 9/10/2019 2:51:27 PM

Quant Time: Sep 09 08:25:11 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP083019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 30 17:47:17 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.89  | 152  | 442735   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.18  | 136  | 1644147  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.93  | 164  | 899539   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10           | 11.43 | 188  | 1489563  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12               | 14.10 | 240  | 1031459  | 20.00 | ng    | 0.00     |
| 87) Perylene-d12               | 15.63 | 264  | 1215477  | 20.00 | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.52  | 112  | 1531345  | 55.16 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.51  | 99   | 1959215  | 55.90 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.45  | 82   | 1037464  | 38.72 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.73 | 330  | 465948   | 61.45 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.25  | 172  | 2256371  | 41.89 | ng    | 0.00     |
| 79) Terphenyl-d14              | 13.04 | 244  | 1970272  | 41.63 | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 50) Dimethylphthalate          | 9.65  | 163  | 165284   | 2.696 | ng    | 99       |
| 75) Fluoranthene               | 12.66 | 202  | 285236   | 3.535 | ng    | 88       |
| 78) Pyrene                     | 12.89 | 202  | 260398   | 3.432 | ng    | # 94     |
| 81) Benzo(a)anthracene         | 14.09 | 228  | 143262   | 2.143 | ng    | # 85     |
| 83) Chrysene                   | 14.13 | 228  | 153939   | 2.435 | ng    | # 96     |
| 84) Bis(2-ethylhexyl)phthalate | 14.09 | 149  | 219467   | 4.988 | ng    | # 98     |
| 88) Benzo(b)fluoranthene       | 15.17 | 252  | 258384m  | 3.480 | ng    |          |
| 90) Benzo(a)pyrene             | 15.56 | 252  | 143960   | 2.148 | ng    | # 89     |
| 92) Benzo(g,h,i)perylene       | 17.63 | 276  | 139822   | 2.108 | ng    | 96       |

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

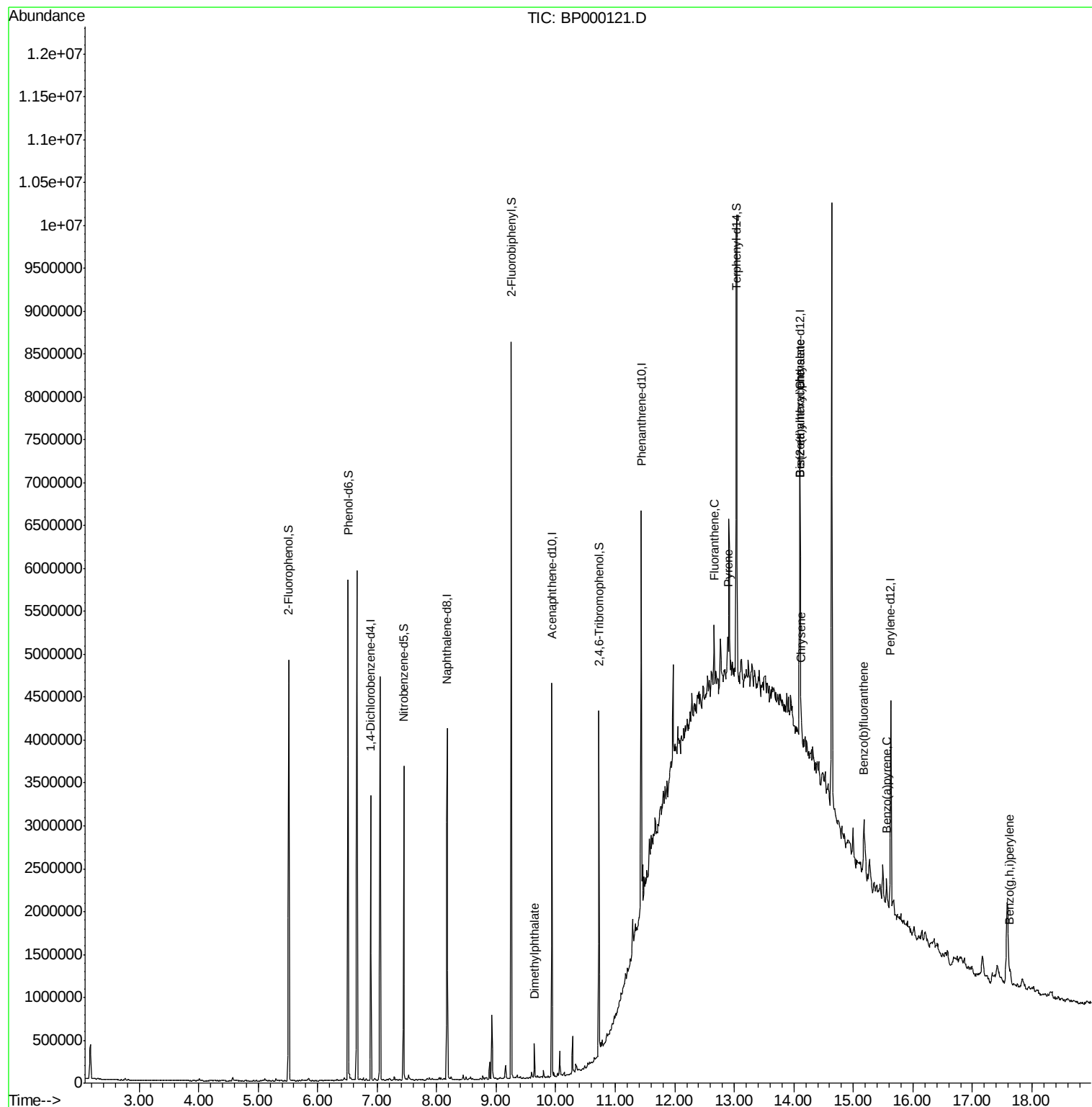
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090819\  
Data File : BP000121.D  
Acq On : 09 Sep 2019 04:24  
Operator : HP/JU  
Sample : K4719-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

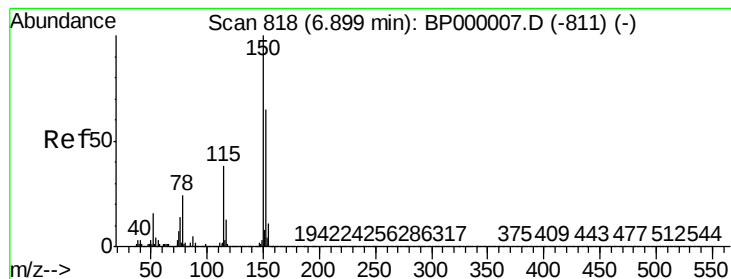
Instrument :  
BNA\_P  
ClientSampleId :  
T4-1-4-(0-1.5)-BRUCKNER

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Quant Time: Sep 09 08:25:11 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP083019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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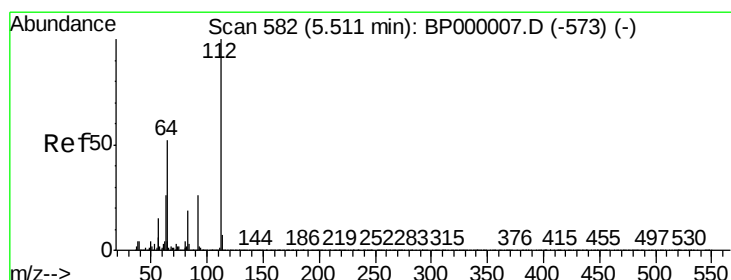
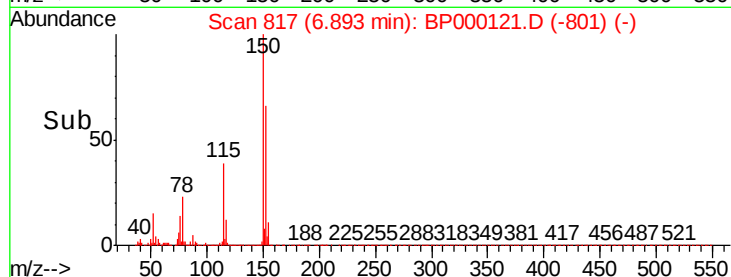
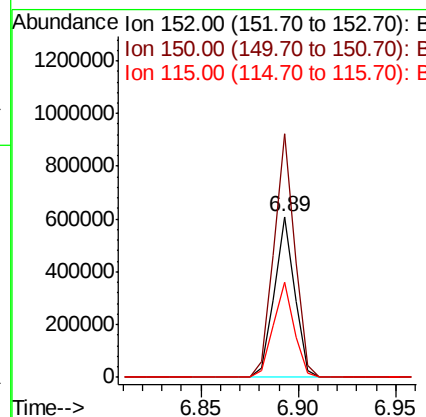
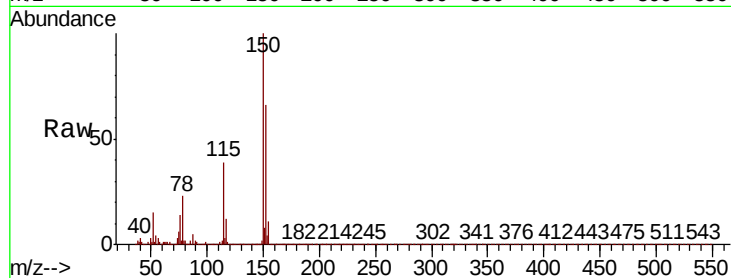
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.89 min Scan# 817  
 Delta R.T. -0.01 min  
 Lab File: BP000121.D  
 Acq: 09 Sep 2019 04:24

Instrument :  
 BNA\_P  
 ClientSampleId :  
 T4-1-4-(0-1.5)-BRUCKNER

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 151.4 | 123.0 | 184.6 |
| 115     | 59.0  | 46.7  | 70.1  |

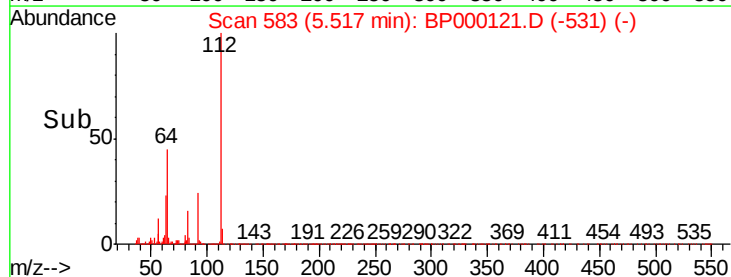
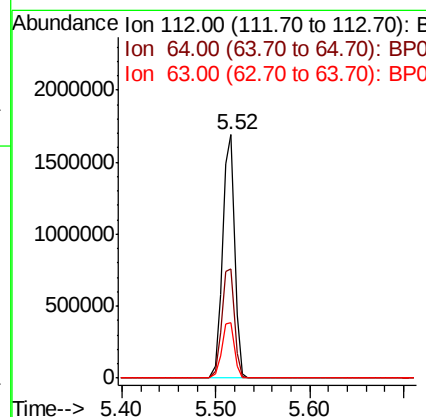
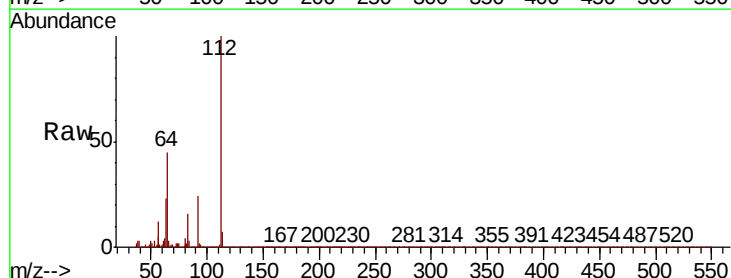
Manual Integrations  
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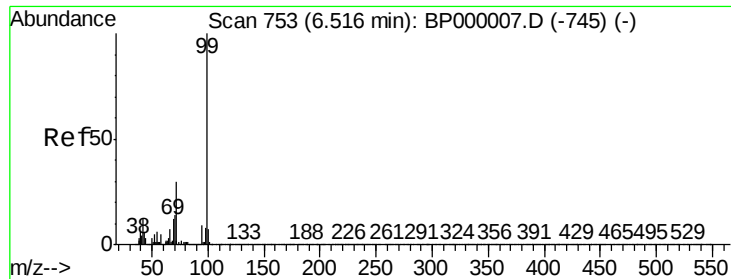
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#5  
 2-Fluorophenol  
 Concen: 55.155 ng  
 RT: 5.52 min Scan# 583  
 Delta R.T. 0.01 min  
 Lab File: BP000121.D  
 Acq: 09 Sep 2019 04:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 44.7  | 41.8  | 62.8  |
| 63      | 22.7  | 21.0  | 31.4  |





#7

Phenol-d6

Concen: 55.898 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BP000121.D

Acq: 09 Sep 2019 04:24

Instrument :

BNA\_P

ClientSampleId :

T4-1-4-(0-1.5)-BRUCKNER

Tot Ion: 99 Resp: 1959215

Ion Ratio Lower Upper

99 100

42 11.3 9.8 14.8

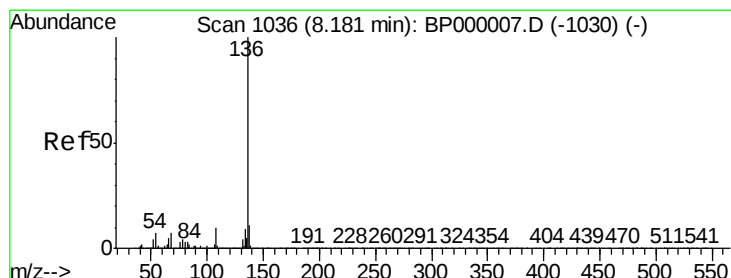
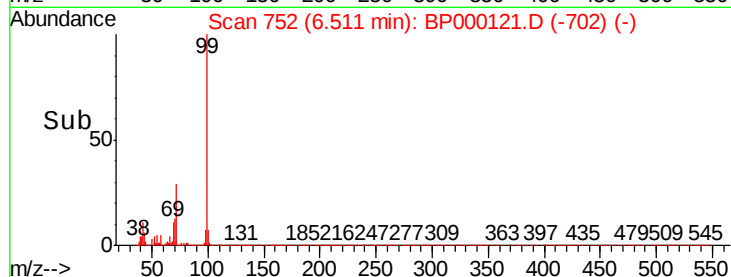
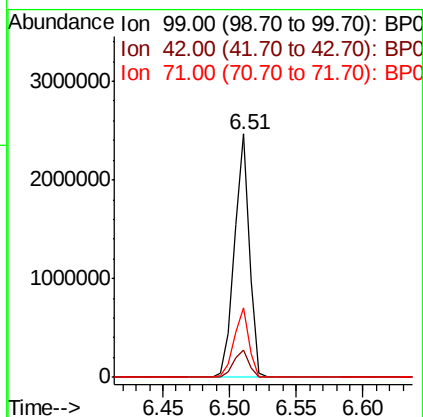
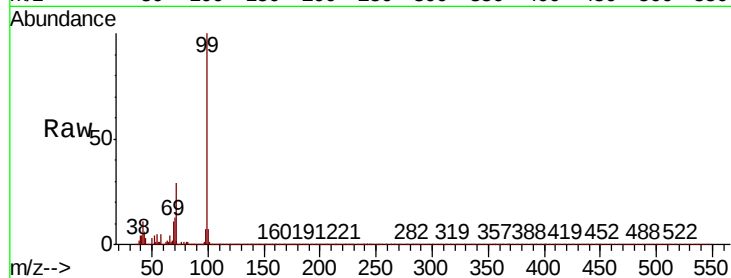
71 28.5 23.8 35.8

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BP000121.D

Acq: 09 Sep 2019 04:24

Tgt Ion: 136 Resp: 1644147

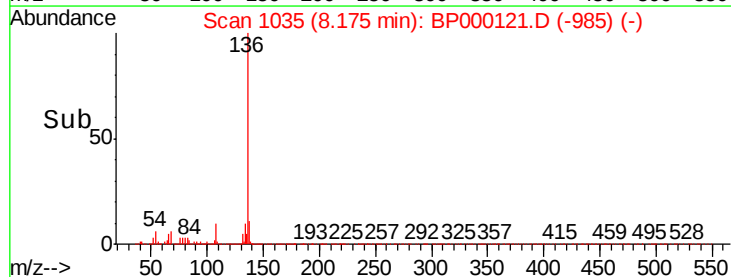
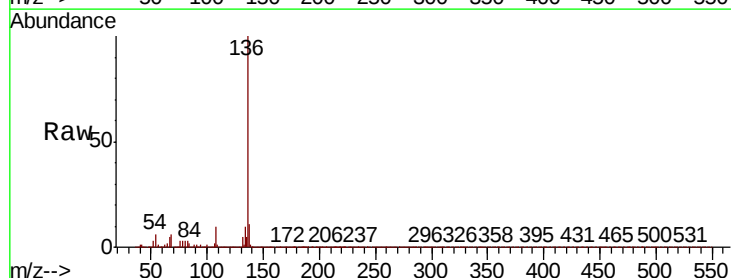
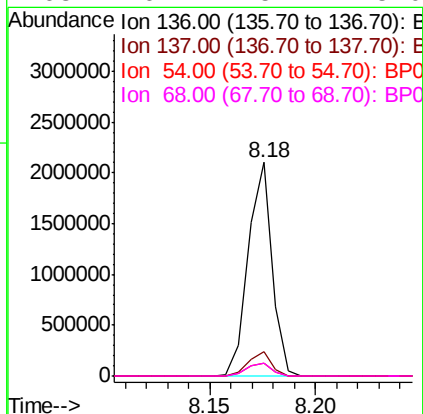
Ion Ratio Lower Upper

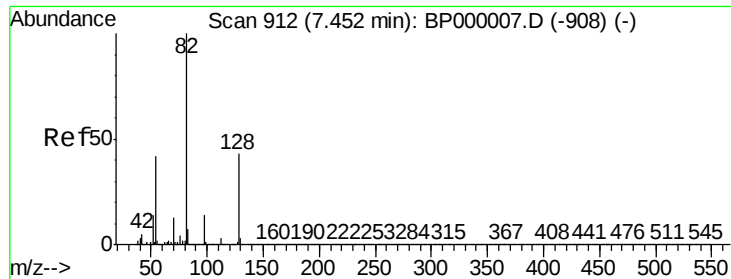
136 100

137 11.2 8.6 13.0

54 6.2 5.4 8.2

68 6.2 5.4 8.0





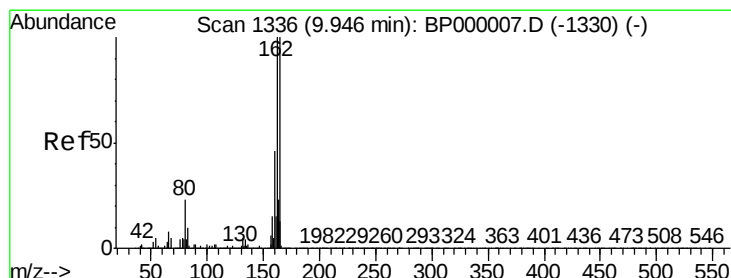
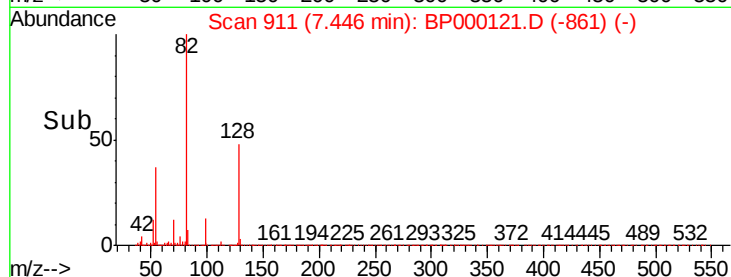
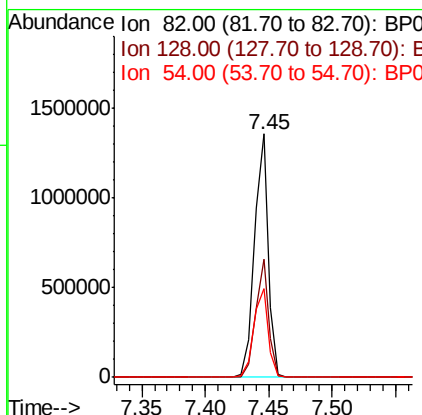
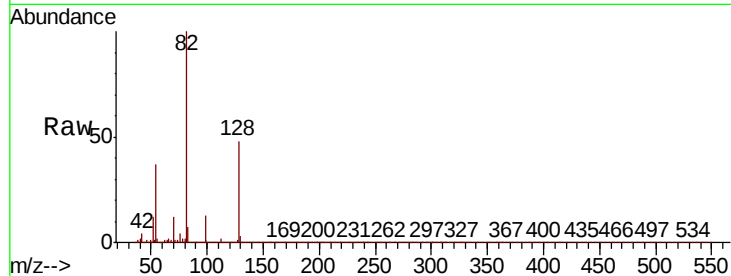
#23  
Nitrobenzene-d5  
Concen: 38.718 ng  
RT: 7.45 min Scan# 911  
Delta R.T. -0.01 min  
Lab File: BP000121.D  
Acq: 09 Sep 2019 04:24

Instrument :  
BNA\_P  
ClientSampleId :  
T4-1-4-(0-1.5)-BRUCKNER

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 48.4  | 34.5  | 51.7  |
| 54      | 36.6  | 33.2  | 49.8  |

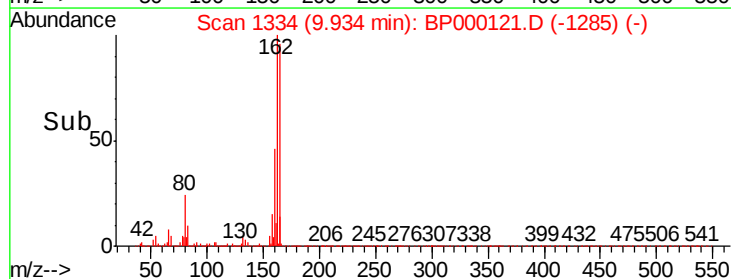
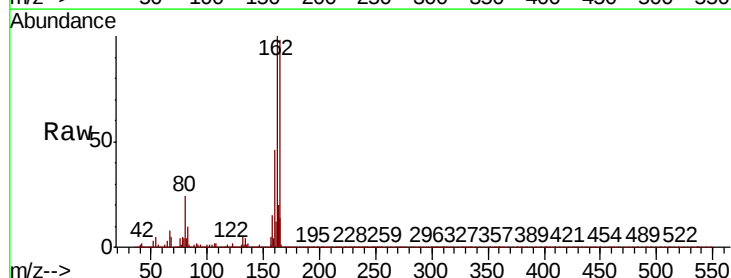
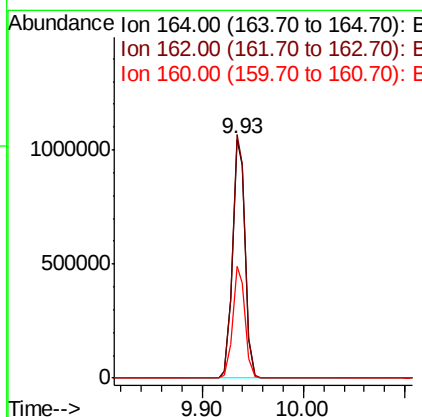
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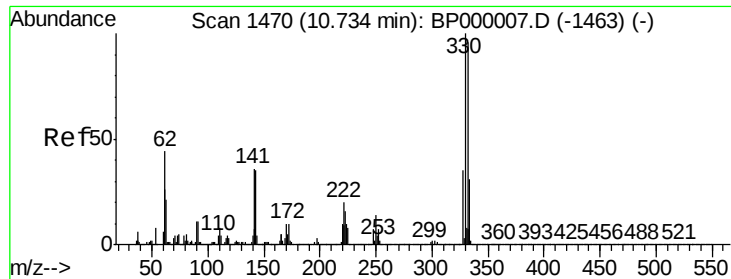
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#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.93 min Scan# 1334  
Delta R.T. -0.01 min  
Lab File: BP000121.D  
Acq: 09 Sep 2019 04:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.0 | 80.2  | 120.4 |
| 160     | 46.6  | 36.6  | 55.0  |





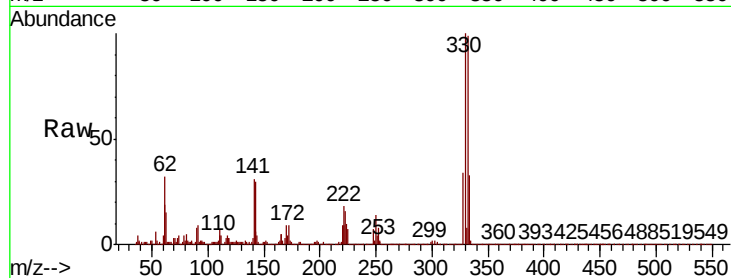
#42  
2,4,6-Tribromophenol  
Concen: 61.453 ng  
RT: 10.73 min Scan# 1469  
Delta R.T. -0.01 min  
Lab File: BP000121.D  
Acq: 09 Sep 2019 04:24

Instrument :  
BNA\_P  
ClientSampleId :  
T4-1-4-(0-1.5)-BRUCKNER

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 465948 |       |       |
| 332     | 98.8  | 76.8   | 115.2 |       |
| 141     | 38.7  | 33.6   | 50.4  |       |

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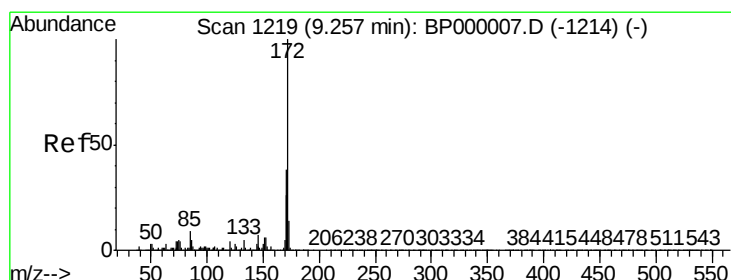
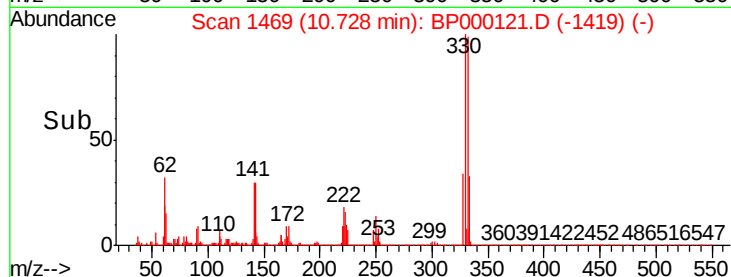
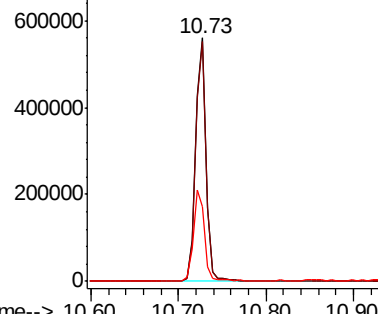


Abundance

Ion 329.80 (329.50 to 330.50): E

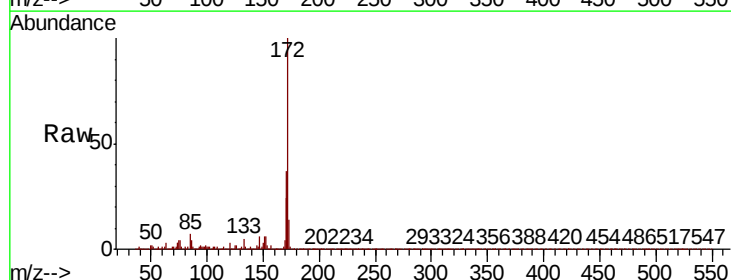
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
2-Fluorobiphenyl  
Concen: 41.890 ng  
RT: 9.25 min Scan# 1218  
Delta R.T. -0.01 min  
Lab File: BP000121.D  
Acq: 09 Sep 2019 04:24

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 172     | 100   | 2256371 |       |       |
| 171     | 37.5  | 30.7    | 46.1  |       |
| 170     | 24.2  | 20.7    | 31.1  |       |

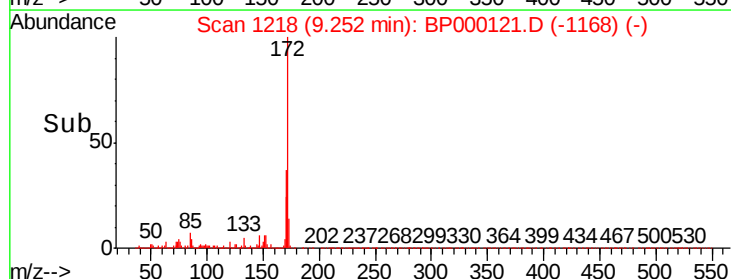
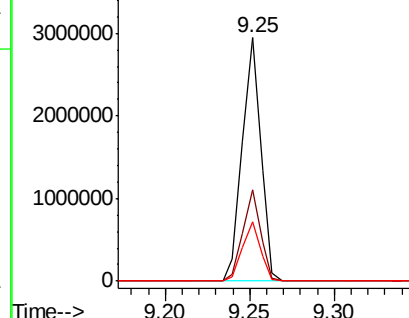


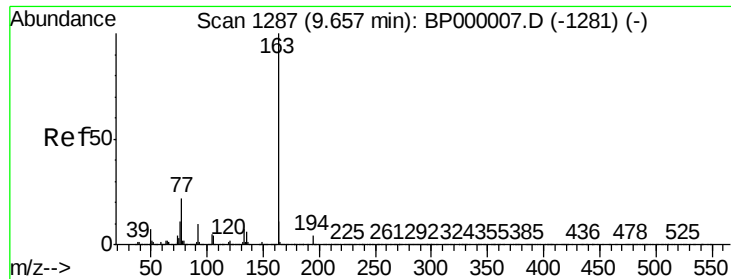
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





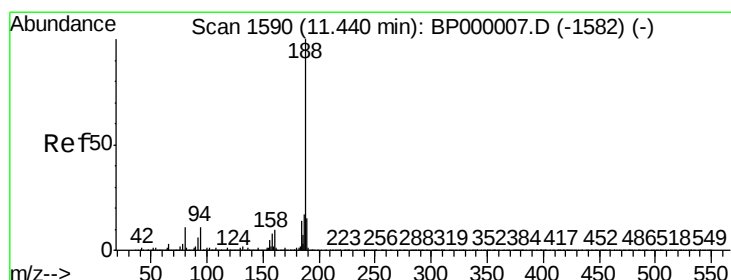
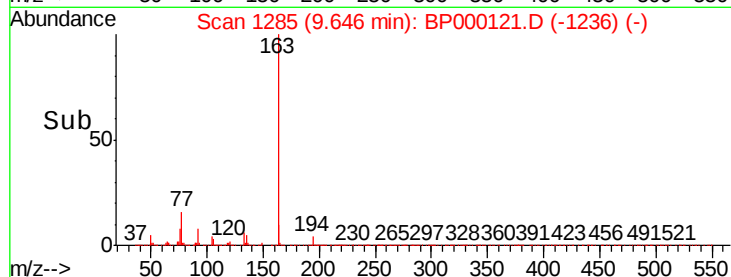
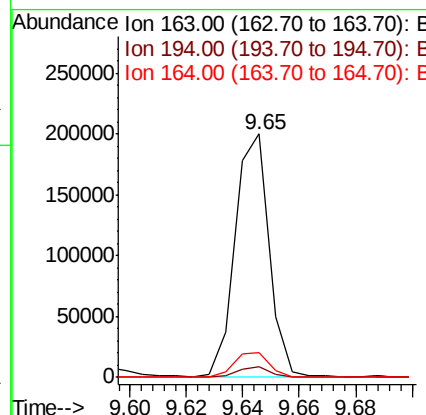
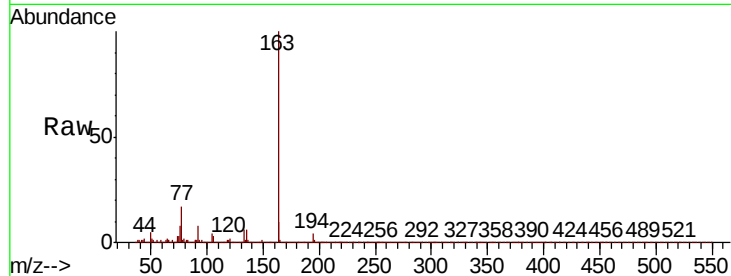
#50  
Dimethylphthalate  
Concen: 2.696 ng  
RT: 9.65 min Scan# 1285  
Delta R.T. -0.01 min  
Lab File: BP000121.D  
Acq: 09 Sep 2019 04:24

Instrument :  
BNA\_P  
ClientSampleId :  
T4-1-4-(0-1.5)-BRUCKNER

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.5   | 3.3   | 4.9   |
| 164     | 9.9   | 8.4   | 12.6  |

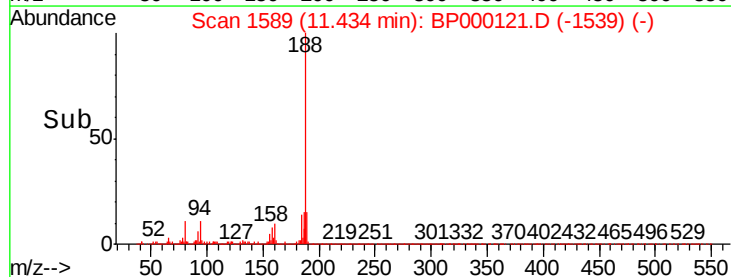
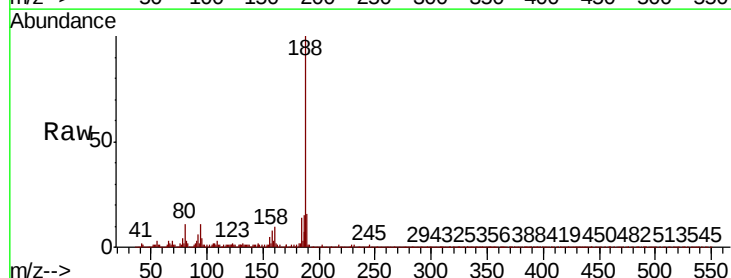
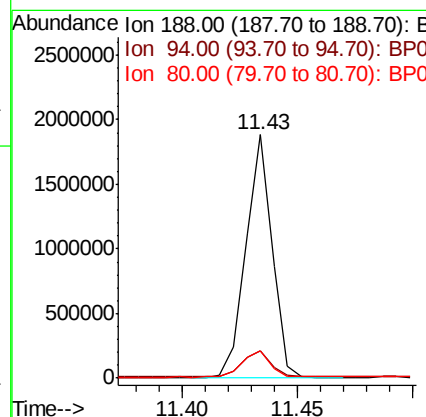
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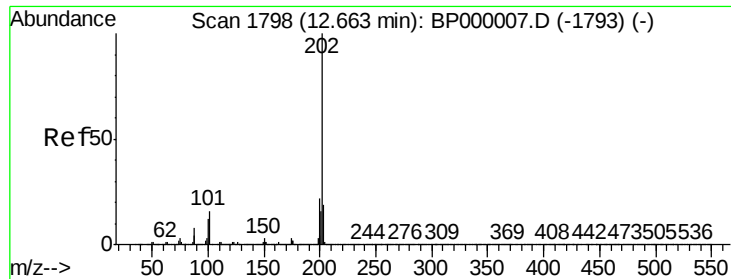
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#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.43 min Scan# 1589  
Delta R.T. -0.01 min  
Lab File: BP000121.D  
Acq: 09 Sep 2019 04:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 11.3  | 8.8   | 13.2  |
| 80      | 11.4  | 9.0   | 13.6  |





#75

Fluoranthene

Concen: 3.535 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BP000121.D

Acq: 09 Sep 2019 04:24

Instrument :

BNA\_P

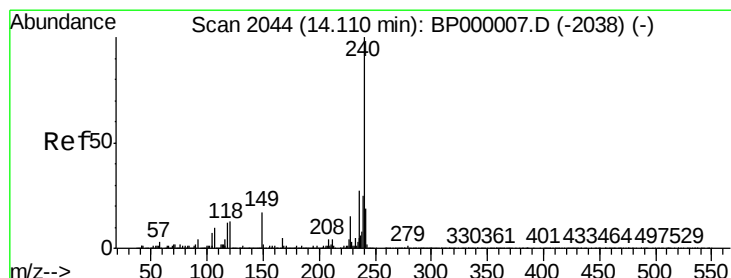
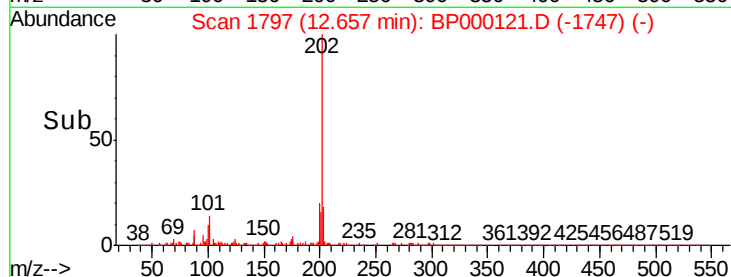
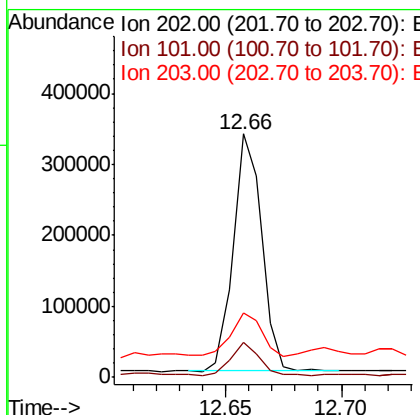
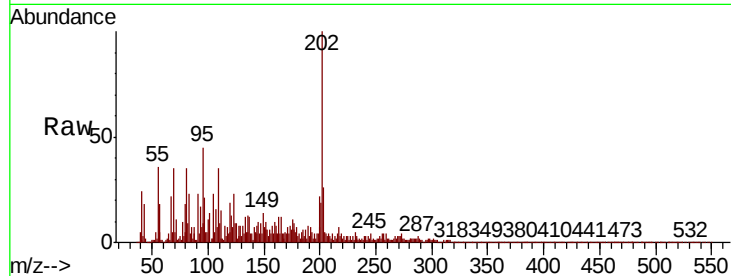
ClientSampleId :

T4-1-4-(0-1.5)-BRUCKNER

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 202   | Resp: | 285236 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 14.1  | 0.0   | 36.4   |
| 203       | 26.5  | 0.0   | 38.7   |

Manual Integrations  
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#76

Chrysene-d12

Concen: 20.000 ng

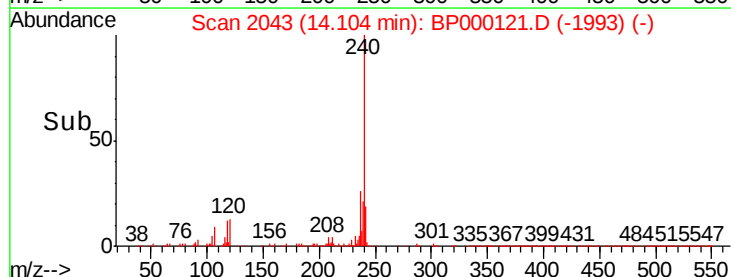
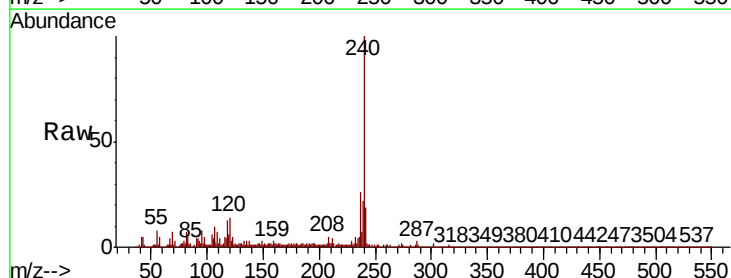
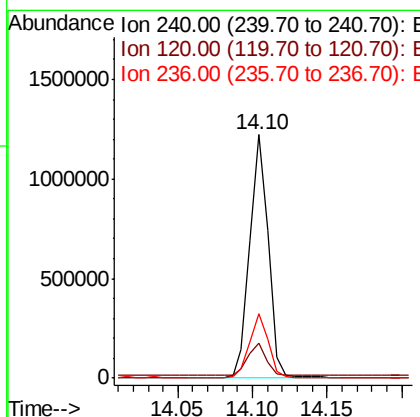
RT: 14.10 min Scan# 2043

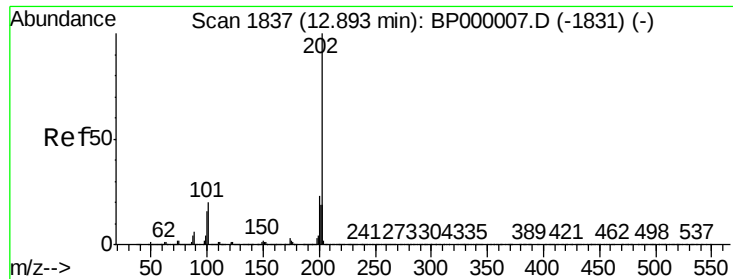
Delta R.T. -0.01 min

Lab File: BP000121.D

Acq: 09 Sep 2019 04:24

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 240   | Resp: | 1031459 |
| Ion Ratio | Lower | Upper |         |
| 240       | 100   |       |         |
| 120       | 14.2  | 10.5  | 15.7    |
| 236       | 26.5  | 21.5  | 32.3    |





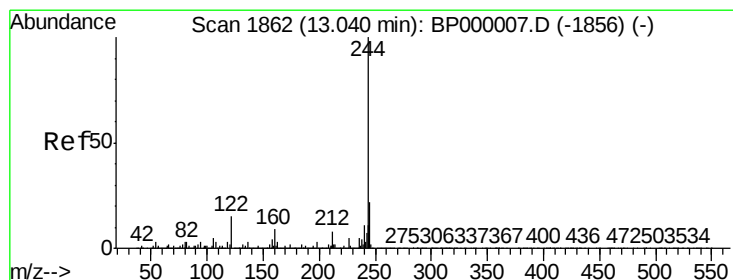
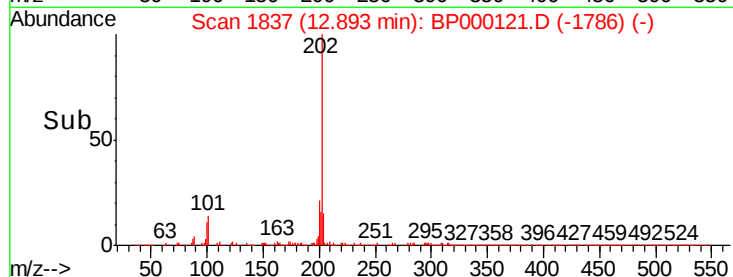
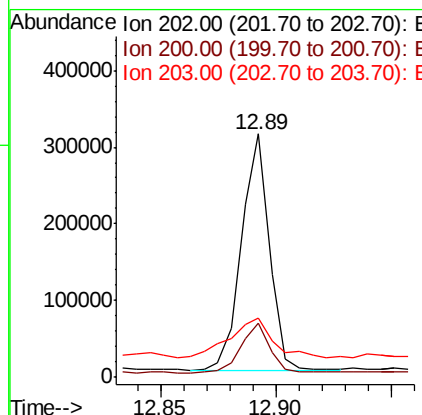
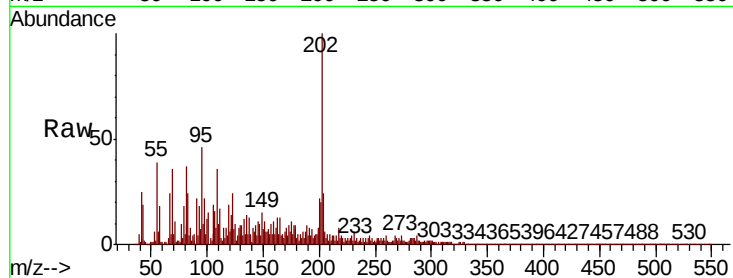
#78  
Pvrene  
Concen: 3.432 ng  
RT: 12.89 min Scan# 1837  
Delta R.T. 0.00 min  
Lab File: BP000121.D  
Acq: 09 Sep 2019 04:24

Instrument :  
BNA\_P  
ClientSampleId :  
T4-1-4-(0-1.5)-BRUCKNER

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 200     | 22.2  | 18.5       | 27.7  |
| 203     | 24.3  | 15.1       | 22.7  |

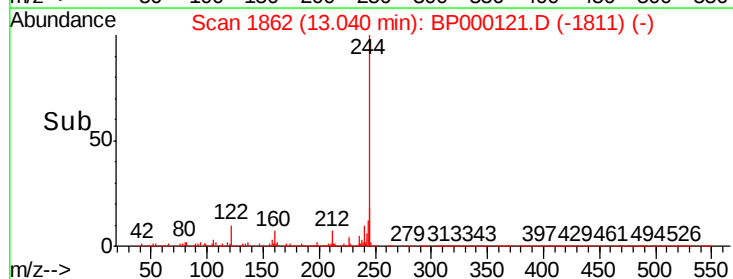
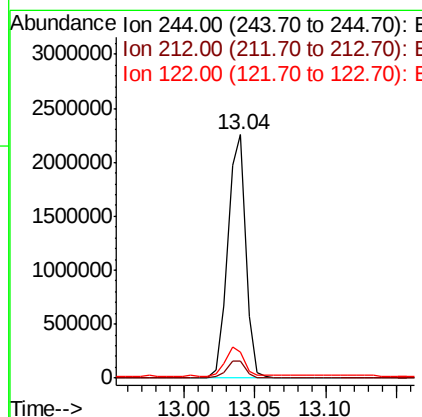
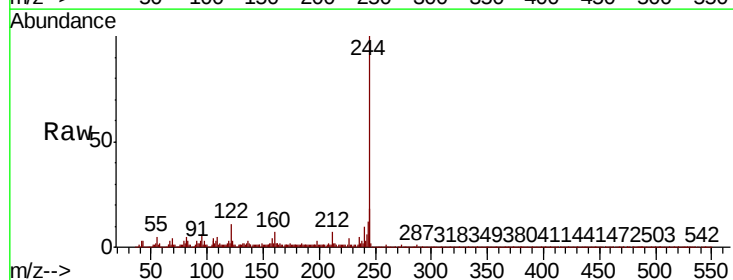
Manual Integrations  
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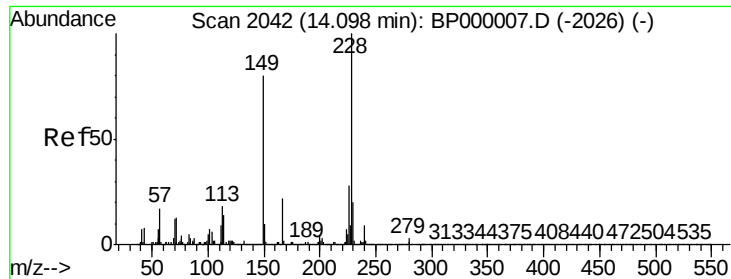
mohammad  
9/10/2019 2:51:27 PM



#79  
Terphenyl-d14  
Concen: 41.634 ng  
RT: 13.04 min Scan# 1862  
Delta R.T. 0.00 min  
Lab File: BP000121.D  
Acq: 09 Sep 2019 04:24

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 244     | 100   |            |       |
| 212     | 7.2   | 6.6        | 10.0  |
| 122     | 10.7  | 12.3       | 18.5  |





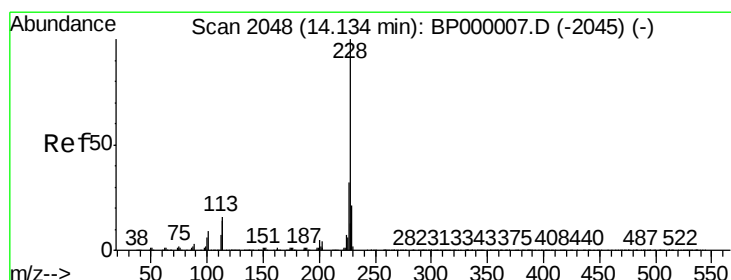
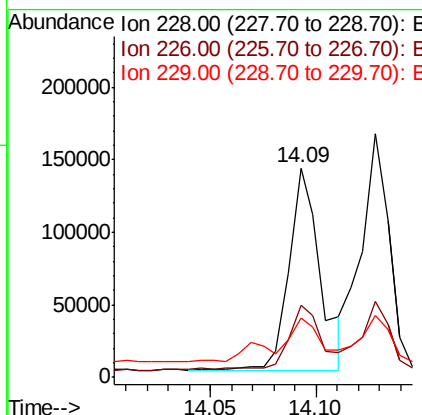
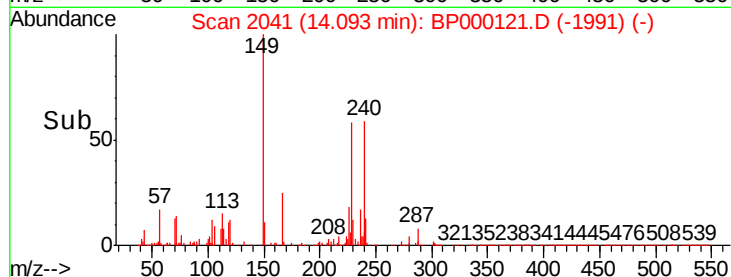
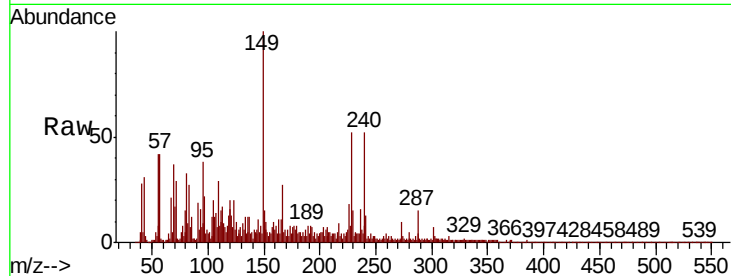
#81  
Benzo(a)anthracene  
Concen: 2.143 ng  
RT: 14.09 min Scan# 2041  
Delta R.T. -0.01 min  
Lab File: BP000121.D  
Acq: 09 Sep 2019 04:24

Instrument :  
BNA\_P  
ClientSampleId :  
T4-1-4-(0-1.5)-BRUCKNER

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 34.4  | 22.5  | 33.7# |
| 229     | 28.5  | 16.2  | 24.2# |

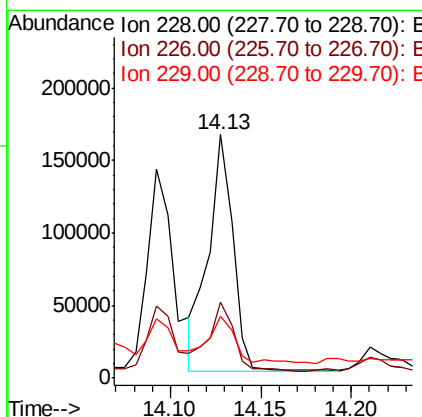
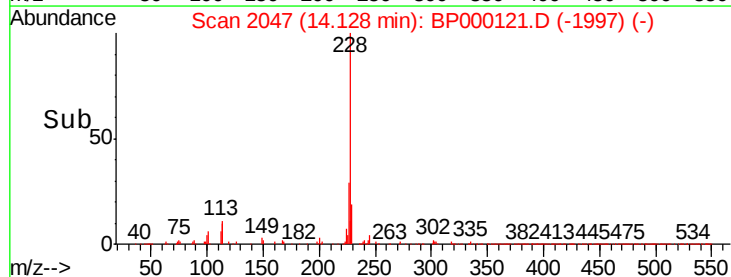
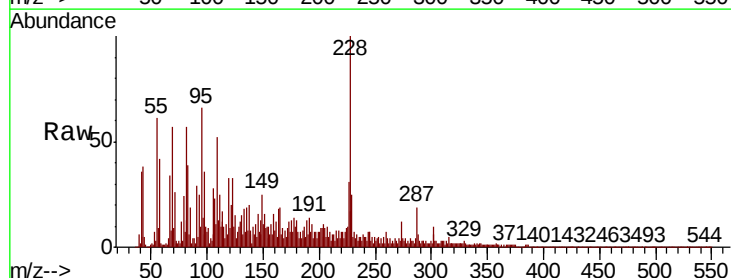
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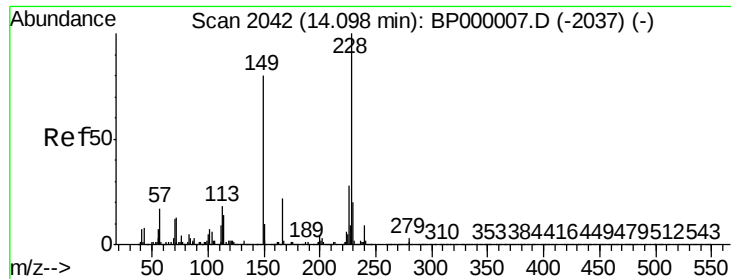
mohammad  
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#83  
Chrysene  
Concen: 2.435 ng  
RT: 14.13 min Scan# 2047  
Delta R.T. -0.01 min  
Lab File: BP000121.D  
Acq: 09 Sep 2019 04:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.3  | 25.5  | 38.3  |
| 229     | 25.2  | 16.5  | 24.7# |





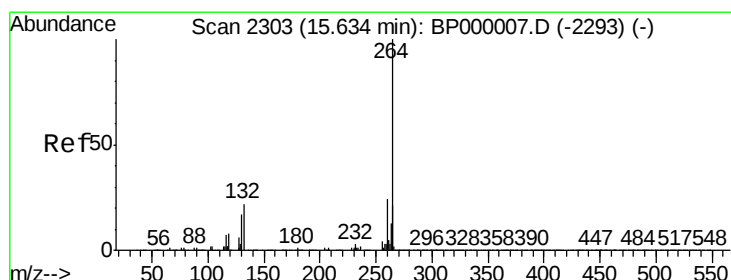
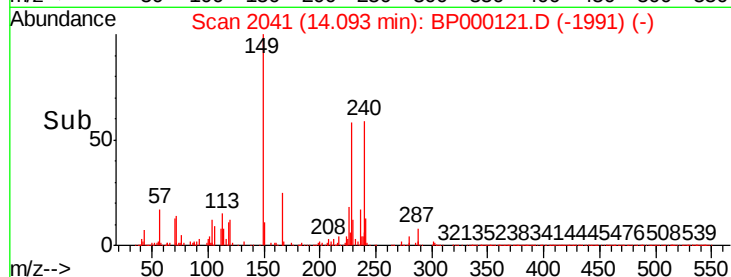
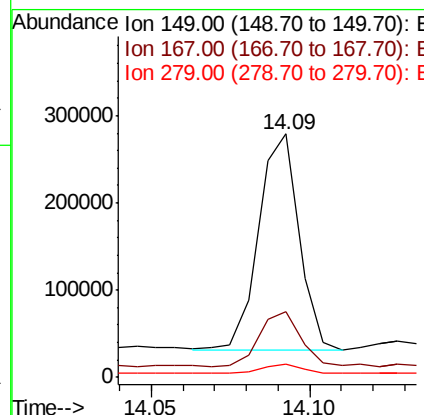
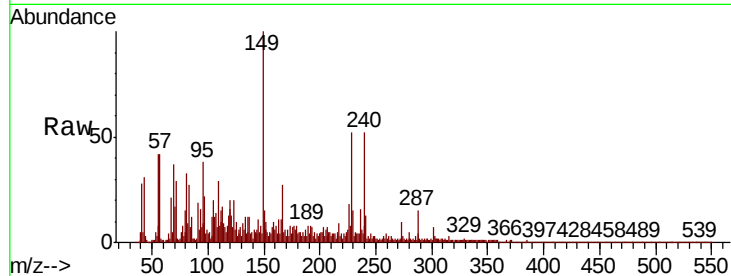
#84  
Bis(2-ethylhexyl)phthalate  
Concen: 4.988 ng  
RT: 14.09 min Scan# 2041  
Delta R.T. -0.01 min  
Lab File: BP000121.D  
Acq: 09 Sep 2019 04:24

Instrument :  
BNA\_P  
ClientSampleId :  
T4-1-4-(0-1.5)-BRUCKNER

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 27.2  | 22.4  | 33.6  |
| 279     | 5.3   | 3.1   | 4.7   |

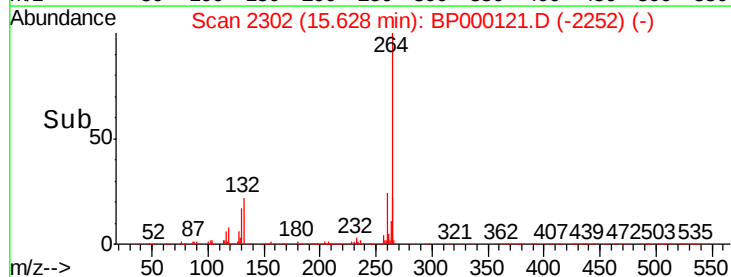
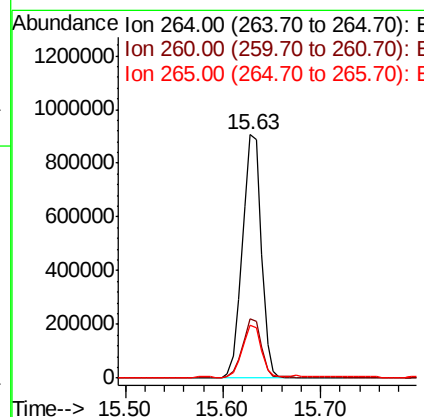
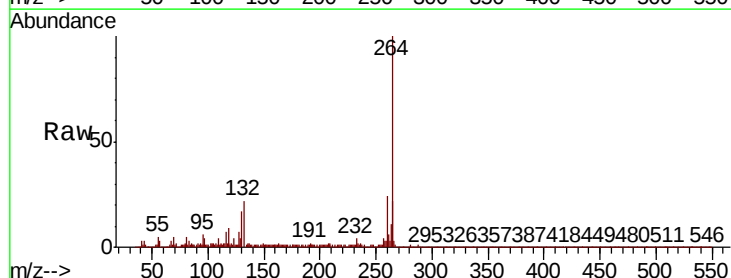
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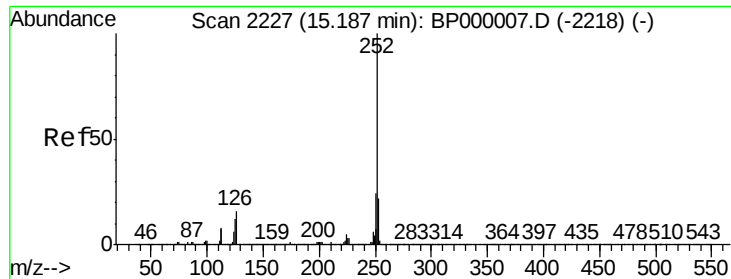
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#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.63 min Scan# 2302  
Delta R.T. -0.01 min  
Lab File: BP000121.D  
Acq: 09 Sep 2019 04:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.5  | 19.1  | 28.7  |
| 265     | 22.0  | 17.1  | 25.7  |





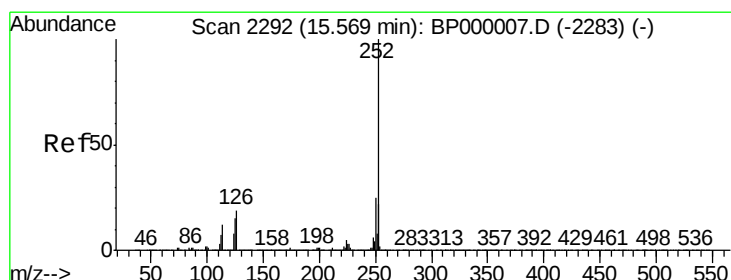
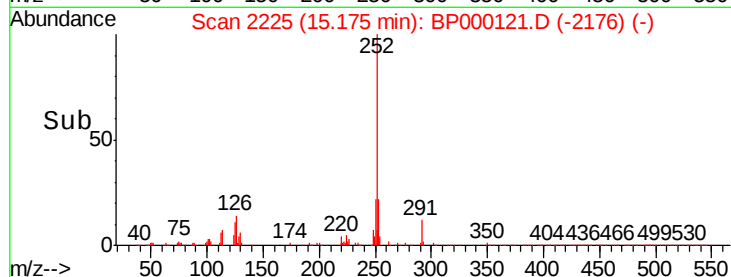
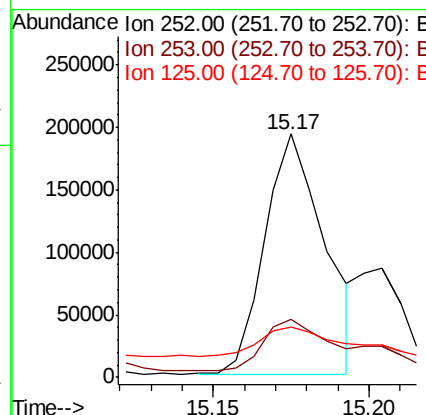
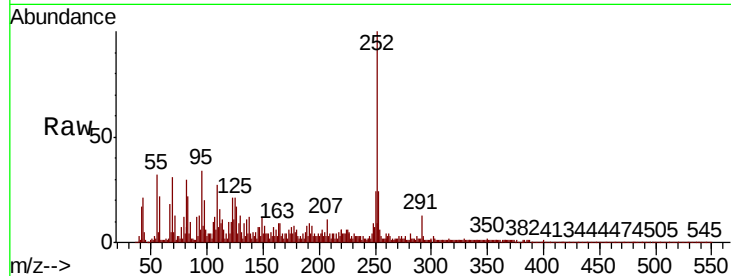
#88  
Benzo(b)fluoranthene  
Concen: 3.480 ng m  
RT: 15.17 min Scan# 2225  
Delta R.T. -0.01 min  
Lab File: BP000121.D  
Acq: 09 Sep 2019 04:24

Instrument :  
BNA\_P  
ClientSampleId :  
T4-1-4-(0-1.5)-BRUCKNER

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.0  | 17.8  | 26.6  |
| 125     | 20.7  | 9.4   | 14.2  |

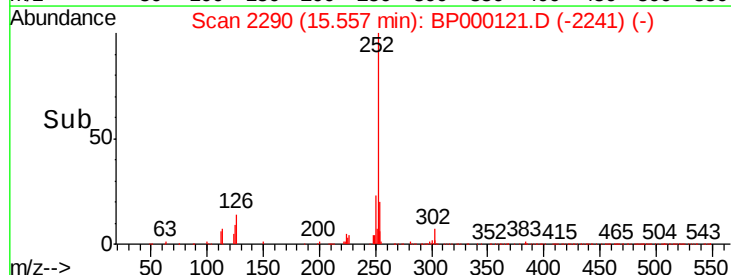
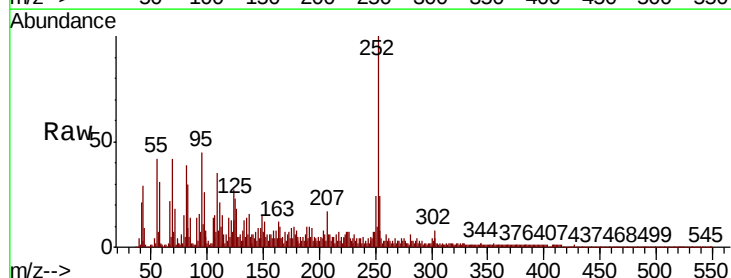
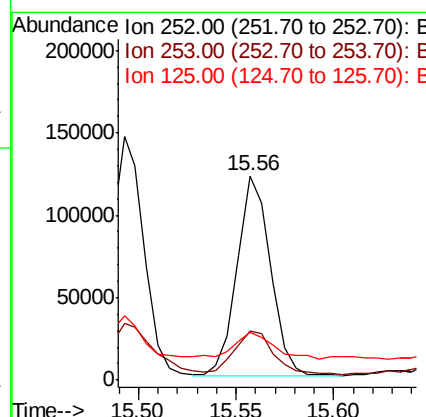
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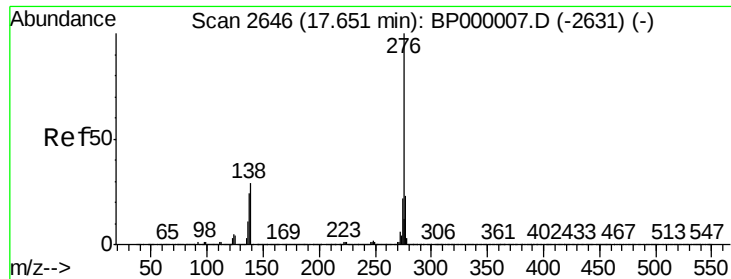
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#90  
Benzo(a)pyrene  
Concen: 2.148 ng  
RT: 15.56 min Scan# 2290  
Delta R.T. -0.01 min  
Lab File: BP000121.D  
Acq: 09 Sep 2019 04:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.1  | 17.5  | 26.3  |
| 125     | 23.5  | 11.7  | 17.5  |





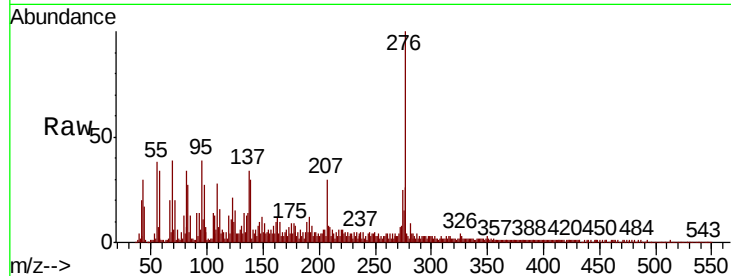
#92  
 Benzo(a,h,i)perylene  
 Concen: 2.108 ng  
 RT: 17.63 min Scan# 2643  
 Delta R.T. -0.02 min  
 Lab File: BP000121.D  
 Acq: 09 Sep 2019 04:24

Instrument :  
 BNA\_P  
 ClientSampleId :  
 T4-1-4-(0-1.5)-BRUCKNER

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 26.1  | 18.6  | 28.0  |
| 138     | 29.7  | 23.0  | 34.4  |

Manual Integrations  
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

