

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100419\  
 Data File : BN008015.D  
 Acq On : 04 Oct 2019 22:10  
 Operator : JU  
 Sample : K5078-09  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EXT-024-SW073-092519

Manual Integrations  
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mohammad  
 10/7/2019 8:45:41 AM

Quant Time: Oct 05 04:01:05 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Oct 03 18:39:49 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.69  | 152  | 20296    | 0.40 | ng    | -0.02    |
| 7) Naphthalene-d8         | 10.46 | 136  | 82656    | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.31 | 164  | 48379    | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 17.06 | 188  | 99836    | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.26 | 240  | 128727   | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.47 | 264  | 150913   | 0.40 | ng    | -0.02    |

#### System Monitoring Compounds

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| 4) 2-Fluorophenol           | 5.32  | 112 | 16851 | 0.24 | ng | 0.00  |
| 5) Phenol-d6                | 6.88  | 99  | 22315 | 0.25 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.82  | 82  | 19382 | 0.27 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.05 | 152 | 37348 | 0.27 | ng | -0.02 |
| 14) 2,4,6-Tribromophenol    | 15.81 | 330 | 7275  | 0.28 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 12.93 | 172 | 49910 | 0.25 | ng | -0.01 |
| 25) Fluoranthene-d10        | 19.09 | 212 | 99225 | 0.29 | ng | -0.01 |
| 29) Terphenyl-d14           | 19.69 | 244 | 82194 | 0.26 | ng | -0.02 |

#### Target Compounds

|                                |       |     |         |       |    | Qvalue |
|--------------------------------|-------|-----|---------|-------|----|--------|
| 6) bis(2-Chloroethyl)ether     | 7.13  | 93  | 3147    | 0.055 | ng | # 26   |
| 9) Naphthalene                 | 10.49 | 128 | 12219   | 0.053 | ng | # 91   |
| 12) 2-Methylnaphthalene        | 12.12 | 142 | 8921    | 0.057 | ng | # 95   |
| 16) Acenaphthylene             | 14.02 | 152 | 194264  | 0.757 | ng | 99     |
| 17) Acenaphthene               | 14.37 | 154 | 16424   | 0.099 | ng | 100    |
| 18) Fluorene                   | 15.36 | 166 | 38034   | 0.179 | ng | 88     |
| 22) Pentachlorophenol          | 16.72 | 266 | 642     | 0.026 | ng | # 86   |
| 23) Phenanthrene               | 17.09 | 178 | 670602  | 2.156 | ng | 99     |
| 24) Anthracene                 | 17.19 | 178 | 247767  | 0.882 | ng | 97     |
| 26) Fluoranthene               | 19.12 | 202 | 1816877 | 4.698 | ng | 99     |
| 28) Pyrene                     | 19.49 | 202 | 1741984 | 3.968 | ng | # 95   |
| 30) Benzo(a)anthracene         | 21.24 | 228 | 1116735 | 2.356 | ng | 96     |
| 31) Chrysene                   | 21.29 | 228 | 1273726 | 2.757 | ng | 97     |
| 32) Bis(2-ethylhexyl)phthalate | 21.17 | 149 | 200157m | 0.821 | ng |        |
| 33) Indeno(1,2,3-cd)pyrene     | 25.70 | 276 | 1065293 | 1.842 | ng | # 95   |
| 35) Benzo(b)fluoranthene       | 22.81 | 252 | 1932689 | 3.689 | ng | 98     |
| 36) Benzo(k)fluoranthene       | 22.86 | 252 | 598486m | 1.155 | ng |        |
| 37) Benzo(a)pyrene             | 23.38 | 252 | 1217917 | 2.474 | ng | 99     |
| 38) Dibenzo(a,h)anthracene     | 25.70 | 278 | 264593  | 0.525 | ng | # 87   |
| 39) Benzo(g,h,i)perylene       | 26.38 | 276 | 1111761 | 2.230 | ng | 98     |

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

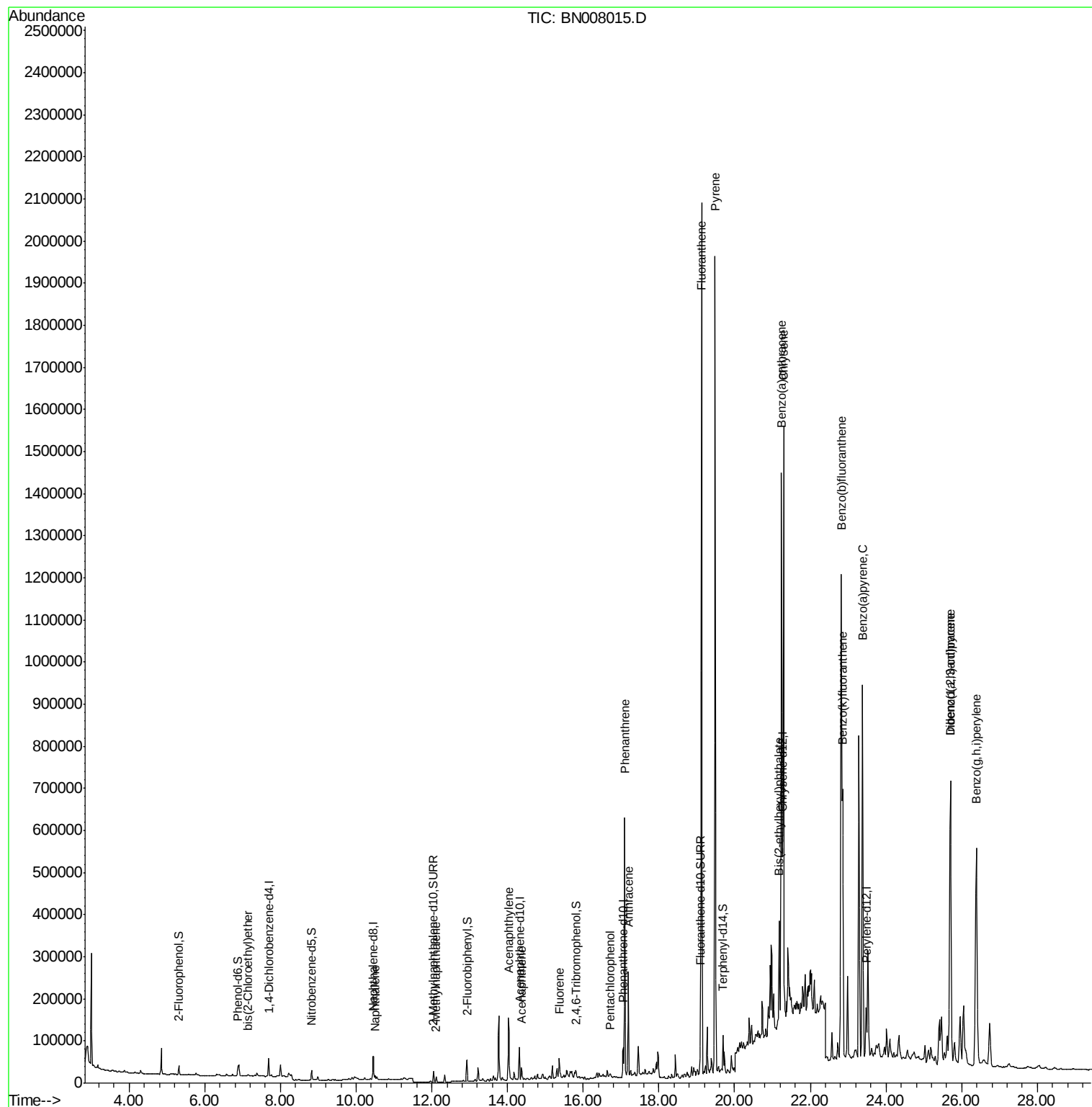
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100419\  
Data File : BN008015.D  
Acq On : 04 Oct 2019 22:10  
Operator : JU  
Sample : K5078-09  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

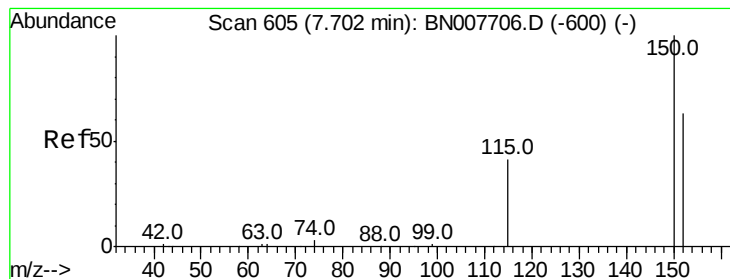
Instrument :  
BNA\_N  
ClientSampleId :  
EXT-024-SW073-092519

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10/7/2019 8:45:41 AM

Quant Time: Oct 05 04:01:05 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Oct 03 18:39:49 2019  
Response via : Initial Calibration





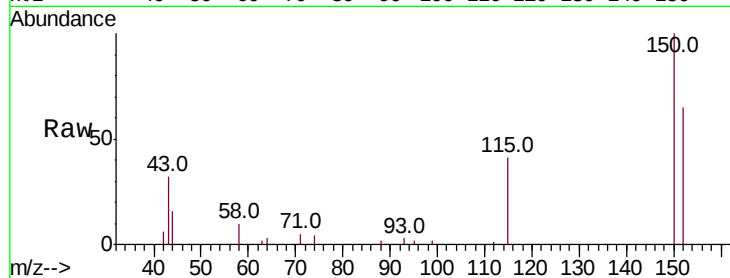
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.69 min Scan# 603  
 Delta R.T. -0.02 min  
 Lab File: BN008015.D  
 Acq: 04 Oct 2019 22:10

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EXT-024-SW073-092519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.9 | 125.6 | 188.4 |
| 115     | 62.2  | 53.3  | 79.9  |

Manual Integrations  
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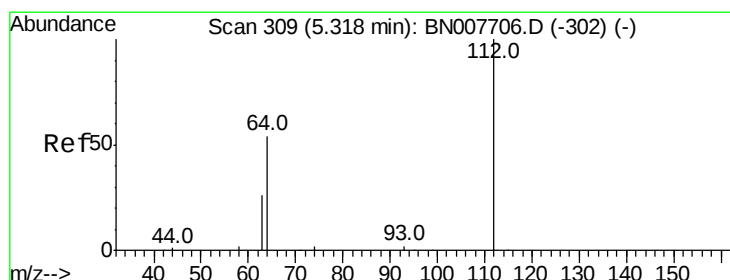
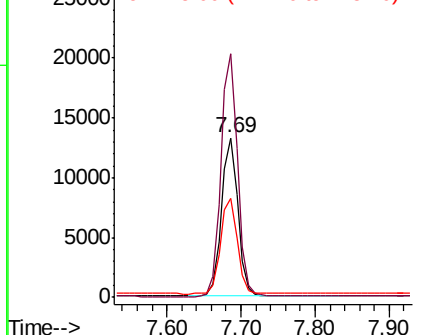
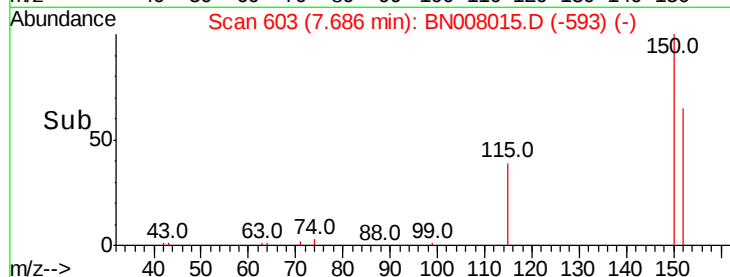


Abundance

Ion 152.00 (151.70 to 152.70): E

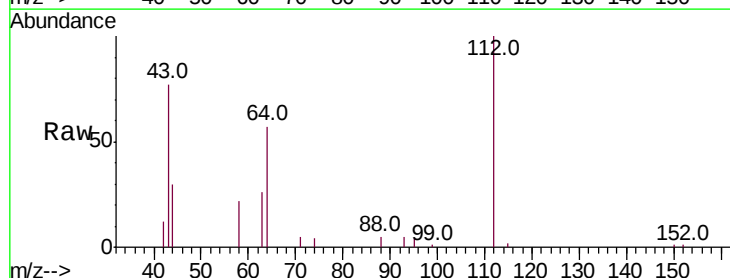
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#4  
 2-Fluorophenol  
 Concen: 0.241 ng  
 RT: 5.32 min Scan# 309  
 Delta R.T. 0.00 min  
 Lab File: BN008015.D  
 Acq: 04 Oct 2019 22:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 57.3  | 46.6  | 70.0  |
| 63      | 28.3  | 23.1  | 34.7  |

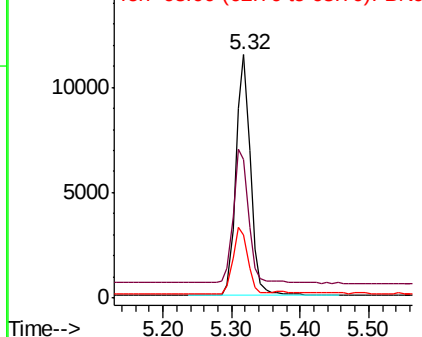
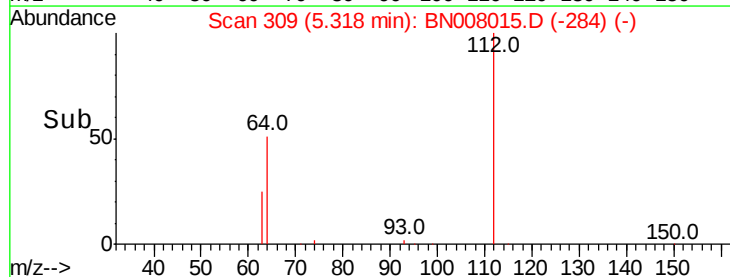


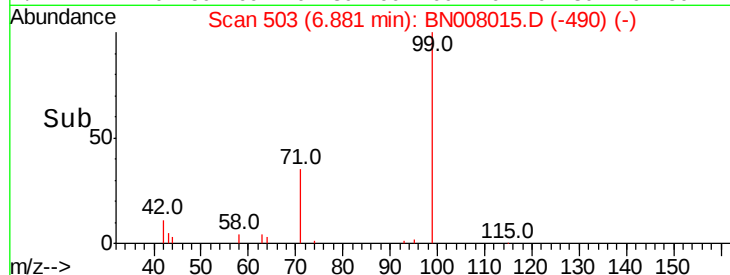
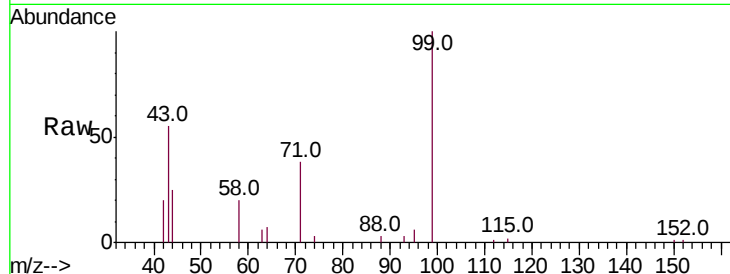
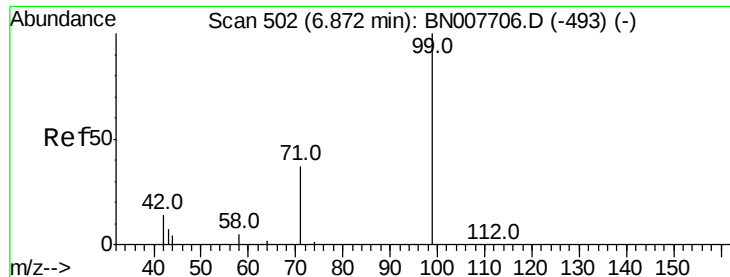
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





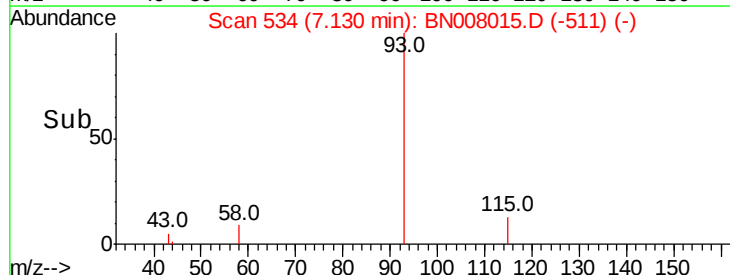
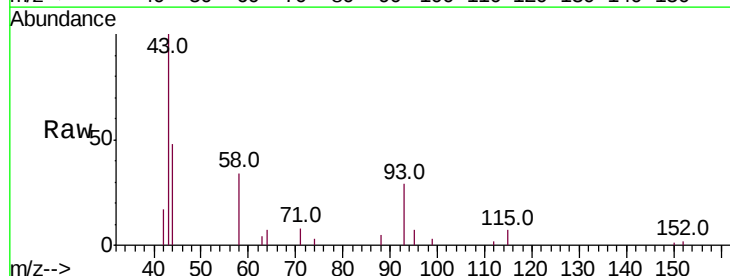
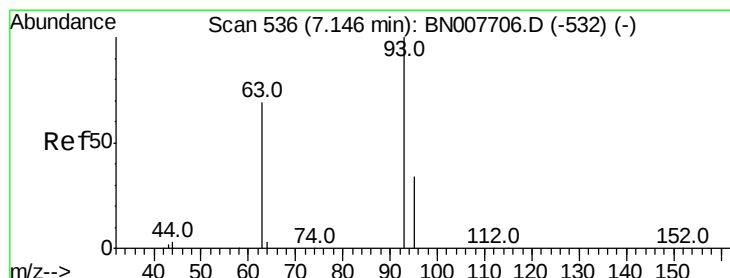
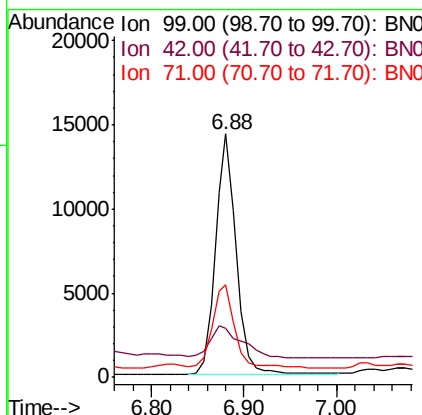
#5  
Phenol-d6  
Concen: 0.254 ng  
RT: 6.88 min Scan# 503  
Delta R.T. 0.01 min  
Lab File: BN008015.D  
Acq: 04 Oct 2019 22:10

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 99      | 100   | 22315 |       |       |
| 42      | 20.9  |       | 12.8  | 19.2# |
| 71      | 38.0  |       | 27.6  | 41.4  |

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-024-SW073-092519

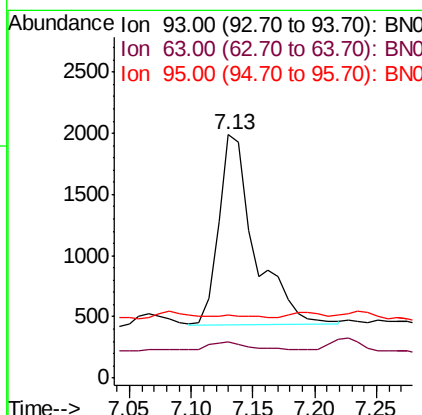
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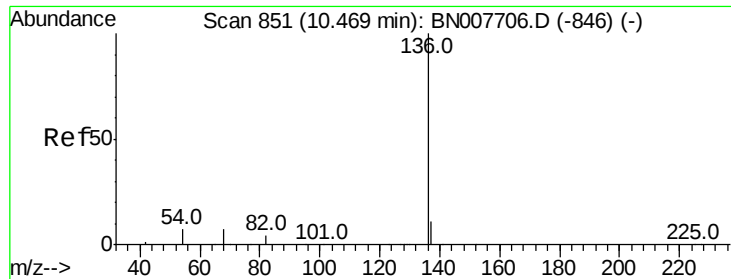
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#6  
bis(2-Chloroethyl)ether  
Concen: 0.055 ng  
RT: 7.13 min Scan# 534  
Delta R.T. -0.02 min  
Lab File: BN008015.D  
Acq: 04 Oct 2019 22:10

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 93      | 100   | 3147 |       |       |
| 63      | 7.2   |      | 59.3  | 88.9# |
| 95      | 0.0   |      | 31.4  | 47.0# |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.46 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN008015.D

Acq: 04 Oct 2019 22:10

Instrument :

BNA\_N

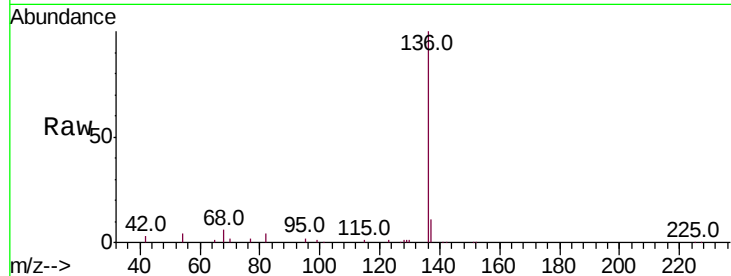
ClientSampleId :

EXT-024-SW073-092519

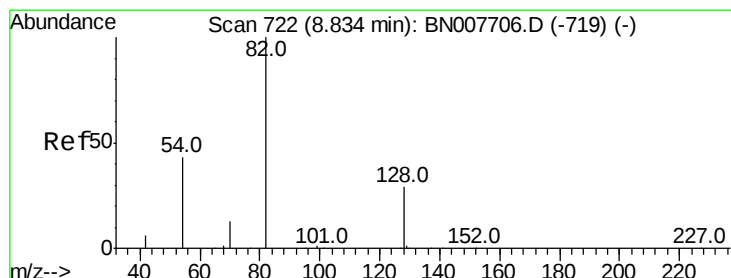
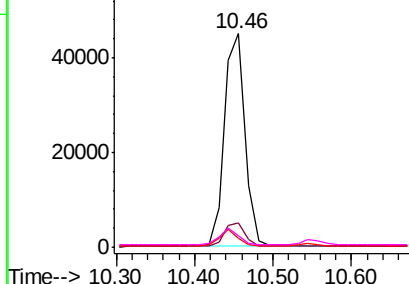
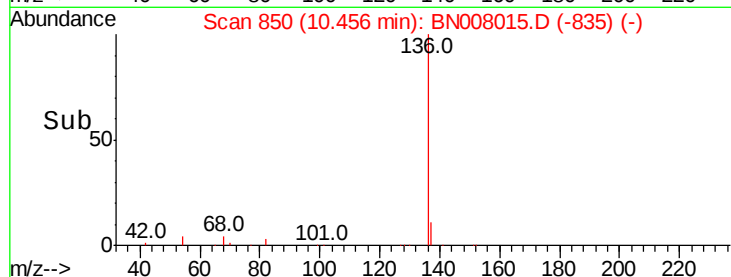
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 11.2  | 9.2  | 13.8  |       |
| 54      | 4.4   | 5.8  | 8.8#  |       |
| 68      | 5.5   | 6.5  | 9.7#  |       |

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Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BNC  
Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.268 ng

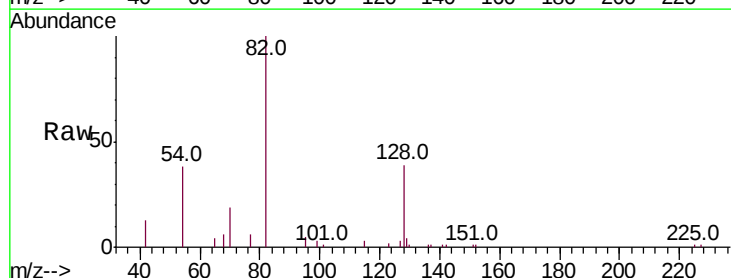
RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

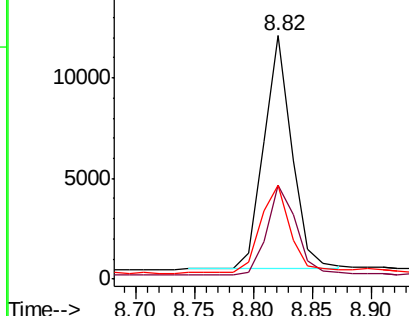
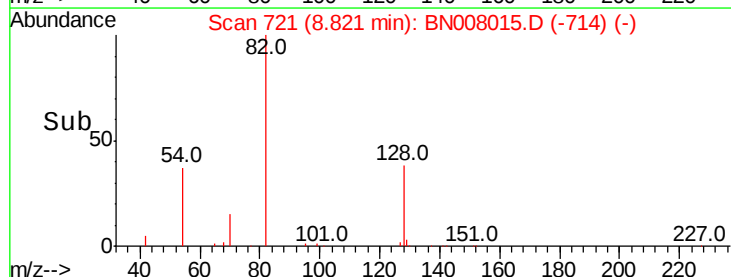
Lab File: BN008015.D

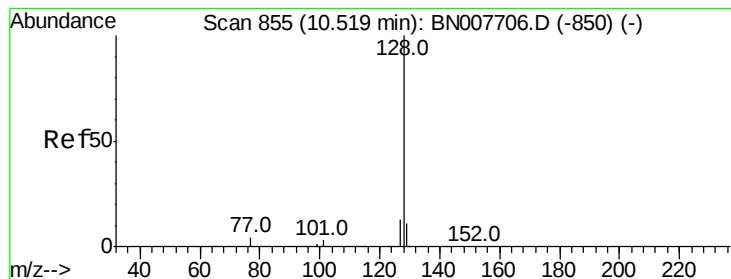
Acq: 04 Oct 2019 22:10

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 38.5  | 24.5 | 36.7# |       |
| 54      | 38.3  | 35.2 | 52.8  |       |



Abundance Ion 82.00 (81.70 to 82.70): BNC  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.053 ng

RT: 10.49 min Scan# 853

Delta R.T. -0.03 min

Lab File: BN008015.D

Acq: 04 Oct 2019 22:10

Instrument :

BNA\_N

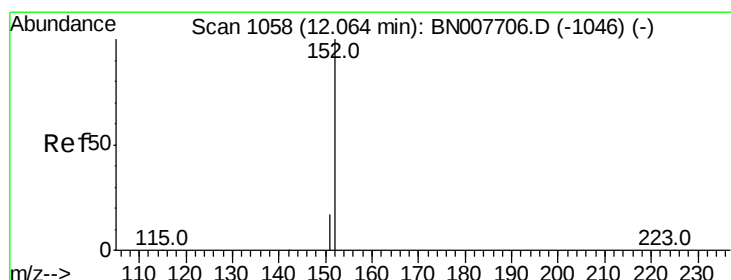
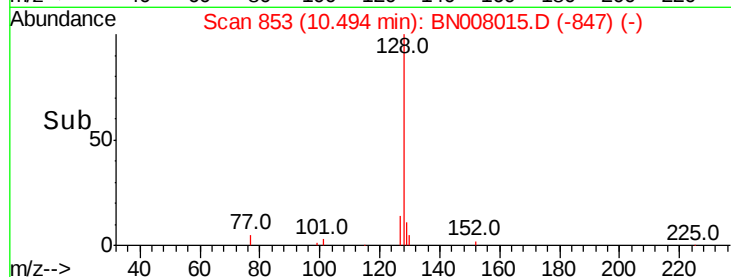
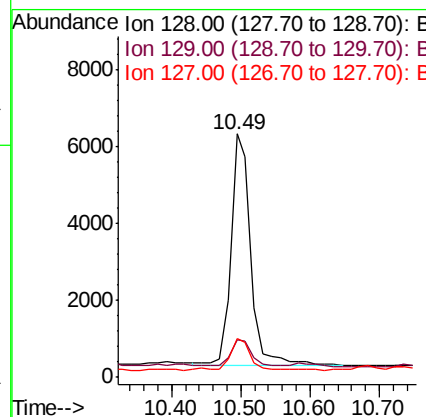
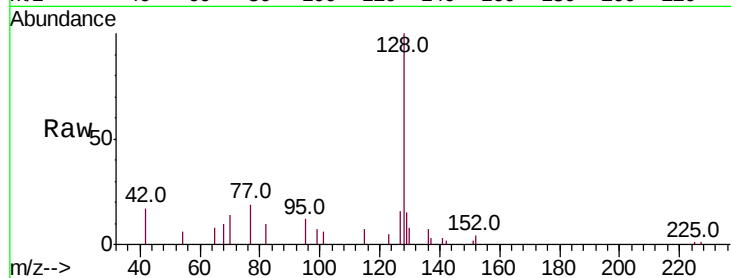
ClientSampleId :

EXT-024-SW073-092519

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 12219 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 15.4  | 9.1   | 13.7# |
| 127       | 16.0  | 10.6  | 15.8# |

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#11

2-Methylnaphthalene-d10

Concen: 0.268 ng

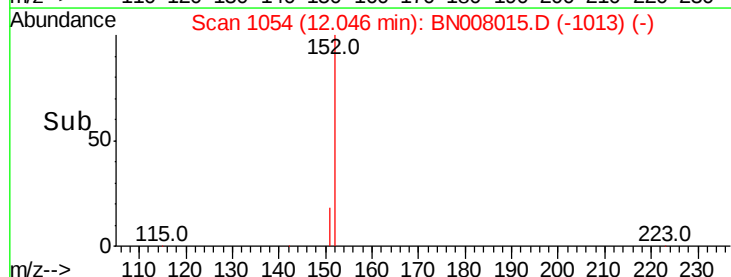
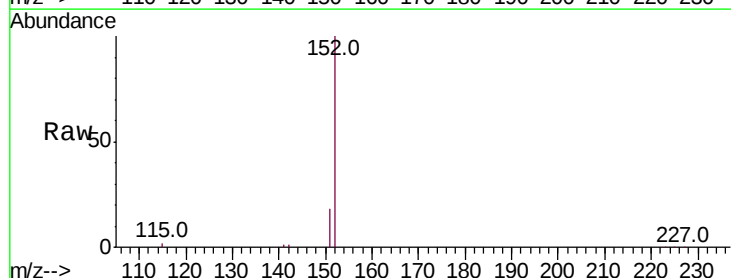
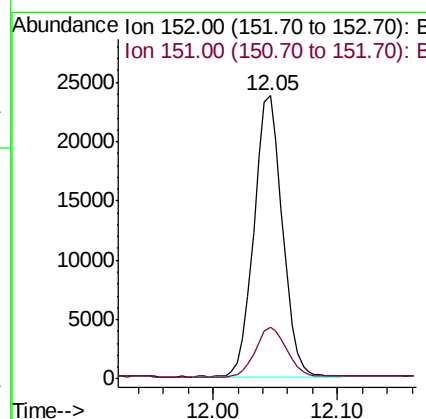
RT: 12.05 min Scan# 1054

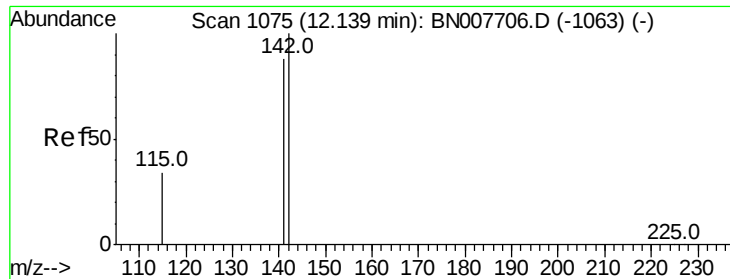
Delta R.T. -0.02 min

Lab File: BN008015.D

Acq: 04 Oct 2019 22:10

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 37348 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 19.4  | 15.4  | 23.2  |





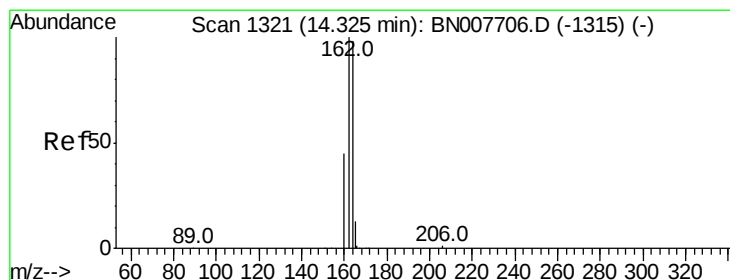
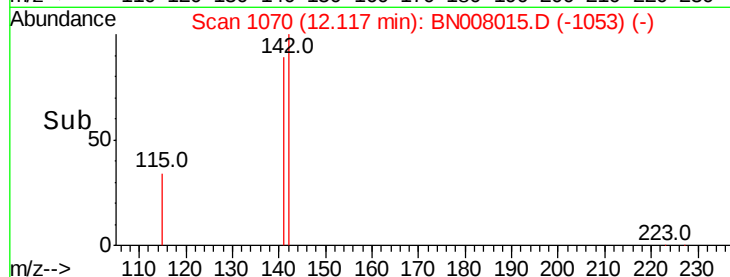
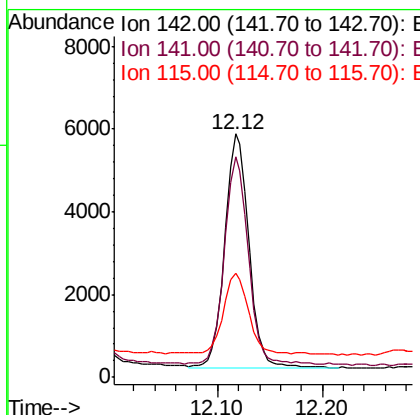
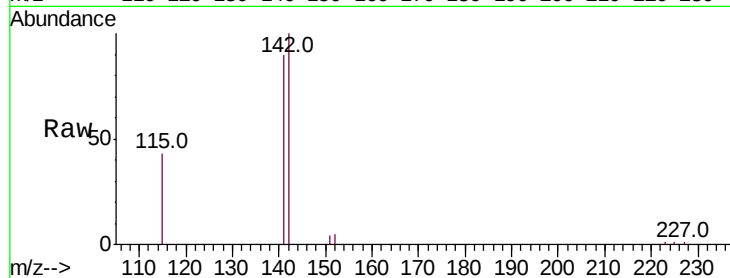
#12  
2-Methylnaphthalene  
Concen: 0.057 ng  
RT: 12.12 min Scan# 1070  
Delta R.T. -0.02 min  
Lab File: BN008015.D  
Acq: 04 Oct 2019 22:10

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-024-SW073-092519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.4  | 70.6  | 106.0 |
| 115     | 42.8  | 28.3  | 42.5  |

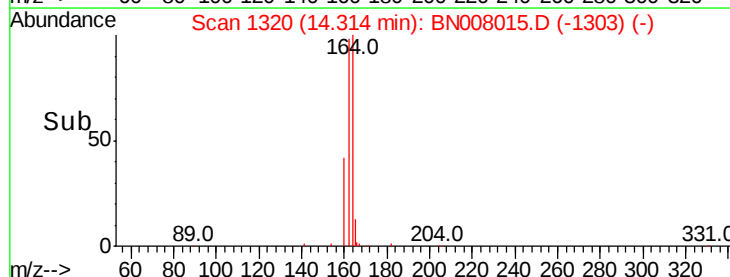
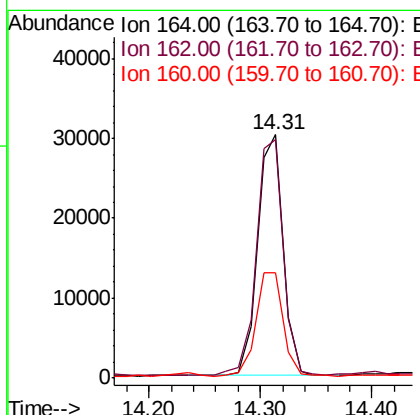
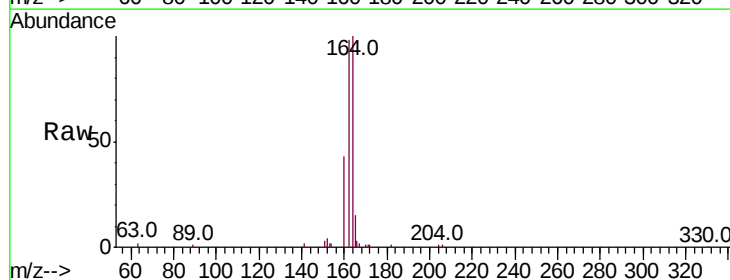
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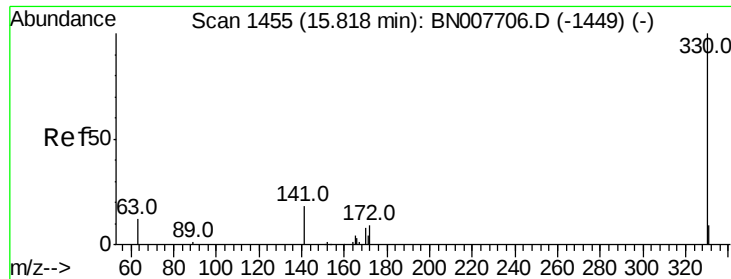
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10/7/2019 8:45:41 AM



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.31 min Scan# 1320  
Delta R.T. -0.01 min  
Lab File: BN008015.D  
Acq: 04 Oct 2019 22:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 98.1  | 81.7  | 122.5 |
| 160     | 43.1  | 37.0  | 55.4  |





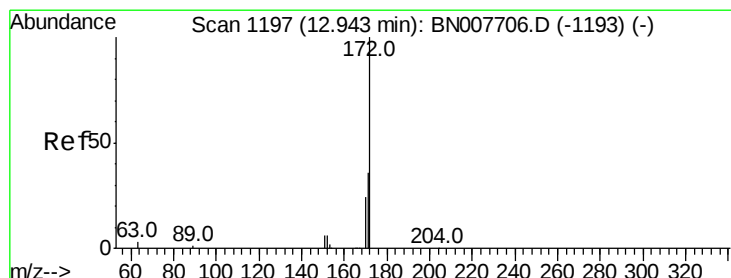
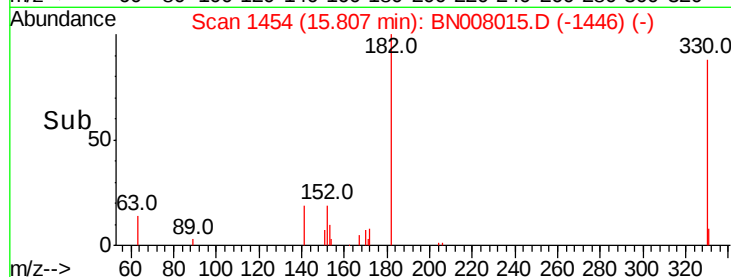
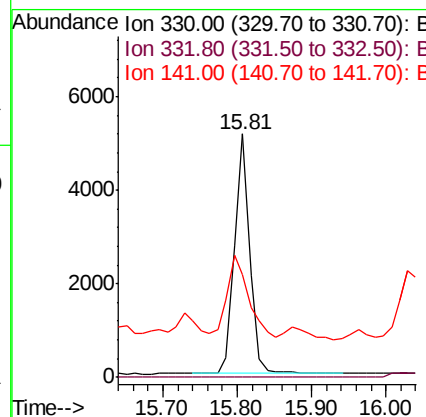
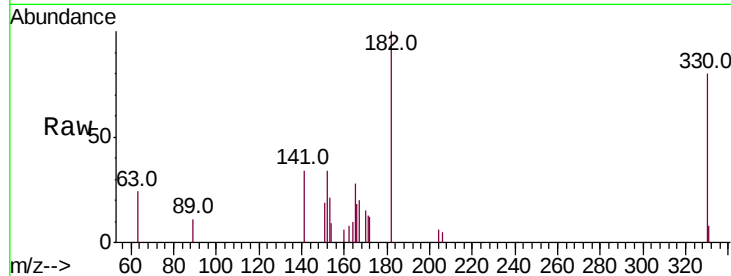
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 2,4,6-Tribromophenol  
 Concen: 0.276 ng  
 RT: 15.81 min Scan# 1454  
 Delta R.T. -0.01 min  
 Lab File: BN008015.D  
 Acq: 04 Oct 2019 22:10

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EXT-024-SW073-092519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 0.0   | 0.0   | 0.0   |
| 141     | 47.6  | 28.7  | 43.1# |

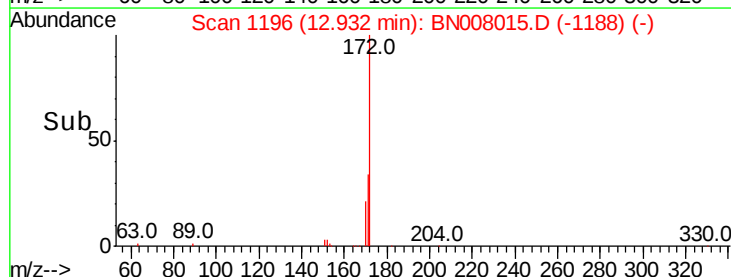
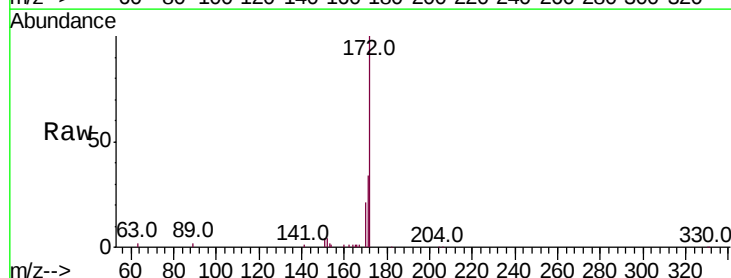
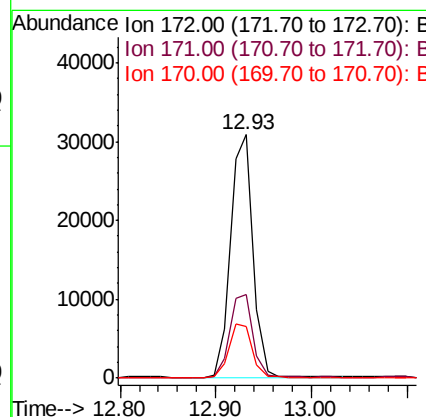
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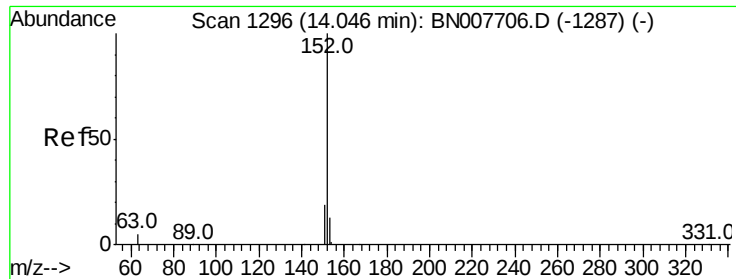
mohammad  
 10/7/2019 8:45:41 AM



#15  
 2-Fluorobiphenyl  
 Concen: 0.250 ng  
 RT: 12.93 min Scan# 1196  
 Delta R.T. -0.01 min  
 Lab File: BN008015.D  
 Acq: 04 Oct 2019 22:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.3  | 28.8  | 43.2  |
| 170     | 21.3  | 19.5  | 29.3  |





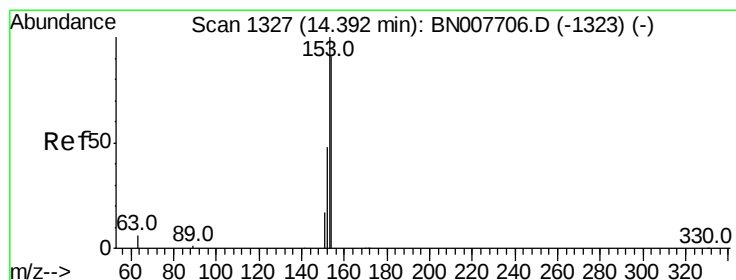
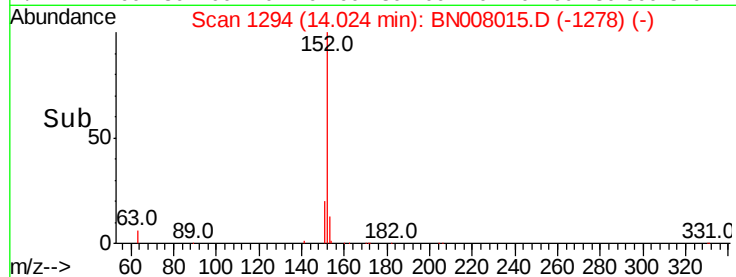
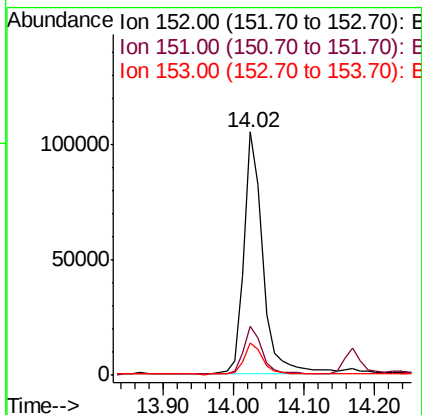
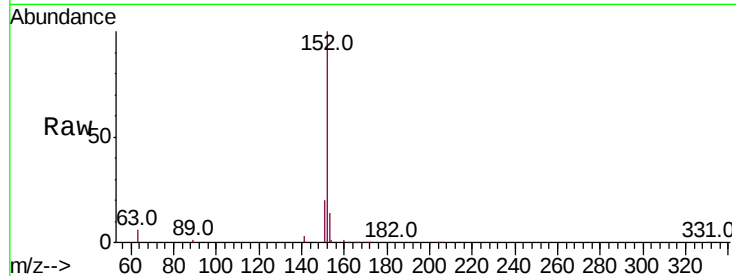
#16  
Acenaphthylene  
Concen: 0.757 ng  
RT: 14.02 min Scan# 1294  
Delta R.T. -0.02 min  
Lab File: BN008015.D  
Acq: 04 Oct 2019 22:10

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-024-SW073-092519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.9  | 15.5  | 23.3  |
| 153     | 13.3  | 10.4  | 15.6  |

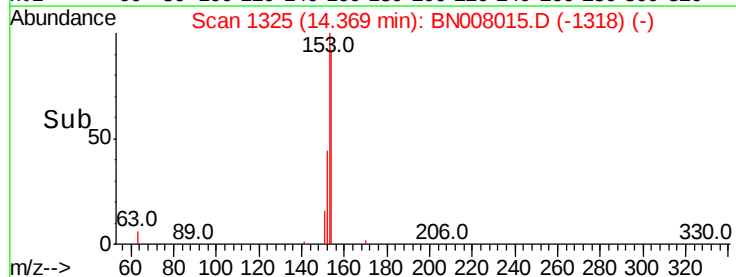
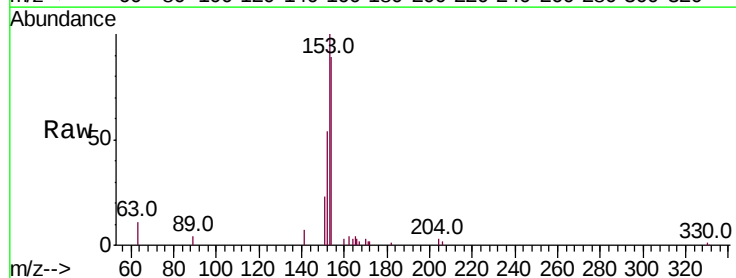
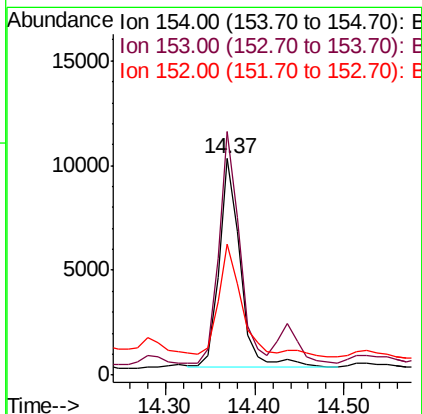
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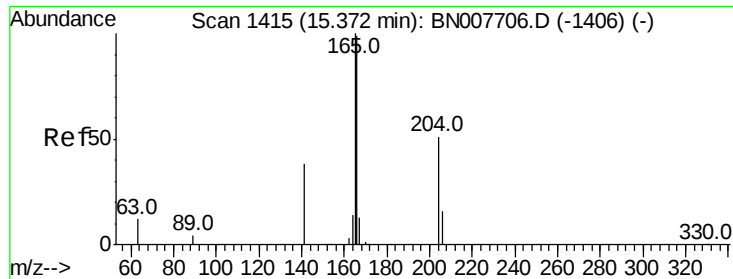
mohammad  
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#17  
Acenaphthene  
Concen: 0.099 ng  
RT: 14.37 min Scan# 1325  
Delta R.T. -0.02 min  
Lab File: BN008015.D  
Acq: 04 Oct 2019 22:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 108.4 | 87.0  | 130.4 |
| 152     | 54.1  | 42.7  | 64.1  |





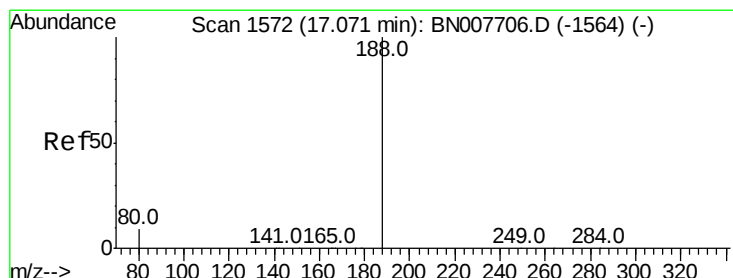
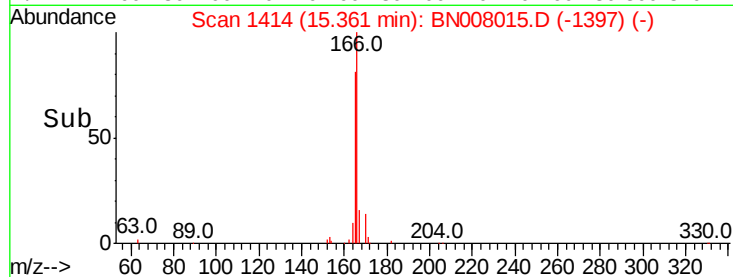
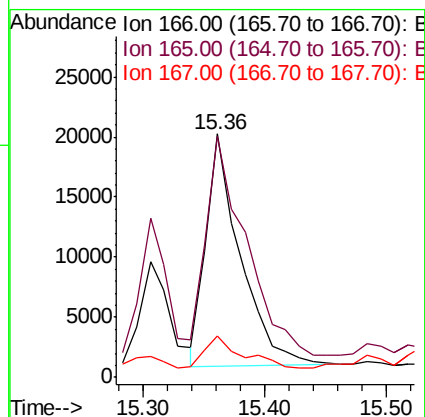
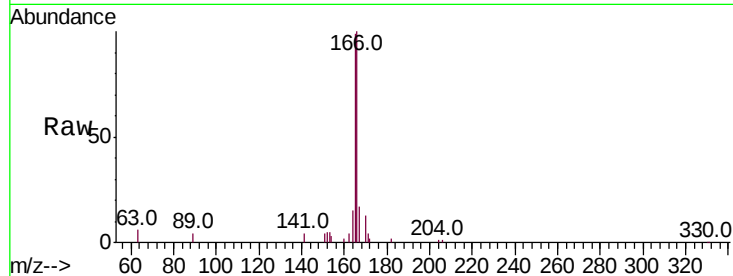
#18  
Fluorene  
Concen: 0.179 ng  
RT: 15.36 min Scan# 1414  
Delta R.T. -0.01 min  
Lab File: BN008015.D  
Acq: 04 Oct 2019 22:10

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-024-SW073-092519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 110.4 | 78.0  | 117.0 |
| 167     | 15.9  | 10.9  | 16.3  |

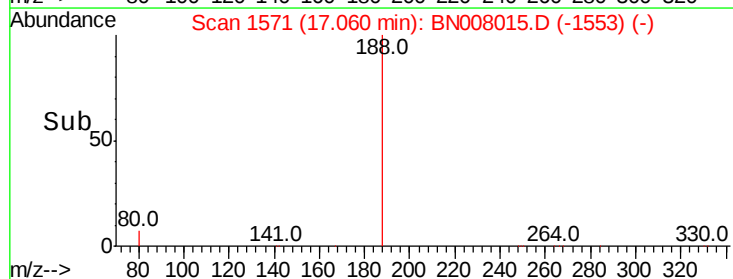
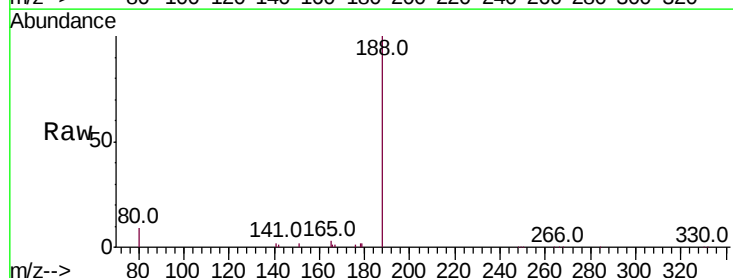
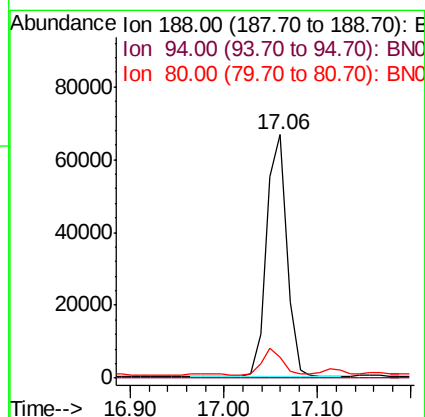
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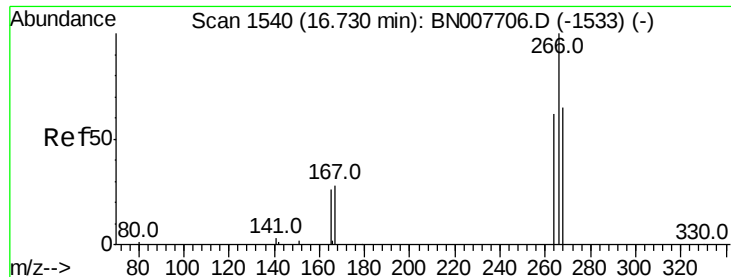
mohammad  
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#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.06 min Scan# 1571  
Delta R.T. -0.01 min  
Lab File: BN008015.D  
Acq: 04 Oct 2019 22:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 0.0   | 0.0   | 0.0   |
| 80      | 8.6   | 7.4   | 11.2  |





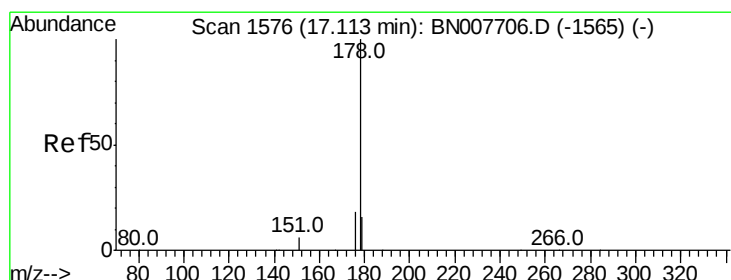
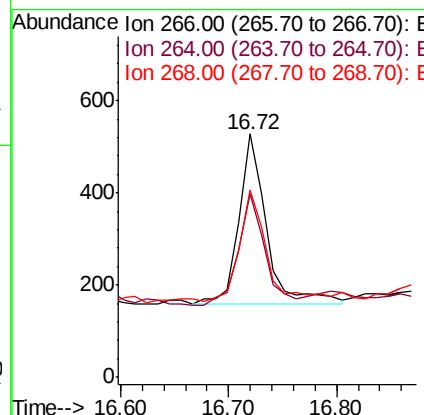
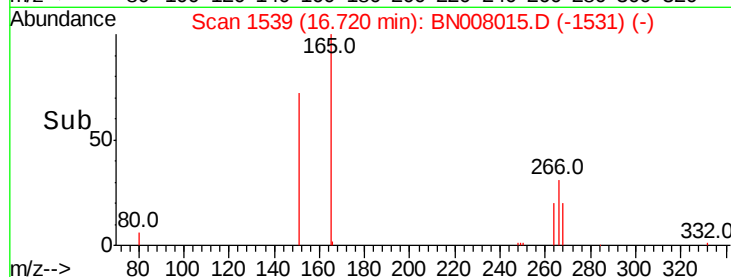
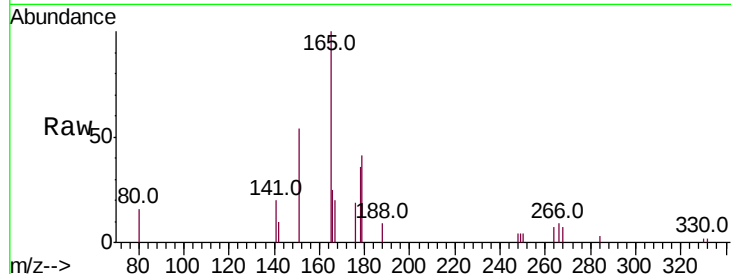
#22  
 Pentachlorophenol  
 Concen: 0.026 ng  
 RT: 16.72 min Scan# 1539  
 Delta R.T. -0.01 min  
 Lab File: BN008015.D  
 Acq: 04 Oct 2019 22:10

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EXT-024-SW073-092519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 75.2  | 50.0  | 75.0# |
| 268     | 76.7  | 54.2  | 81.4  |

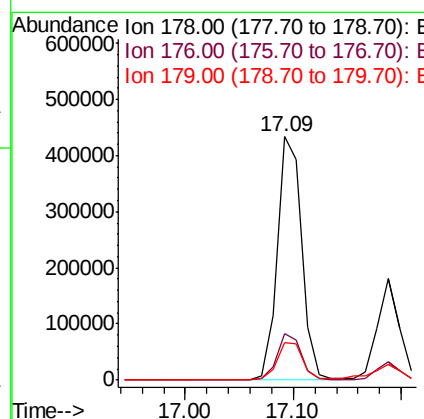
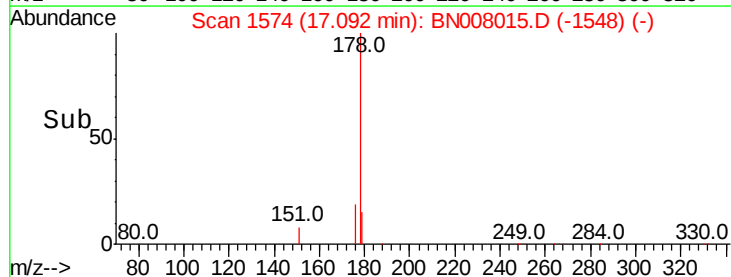
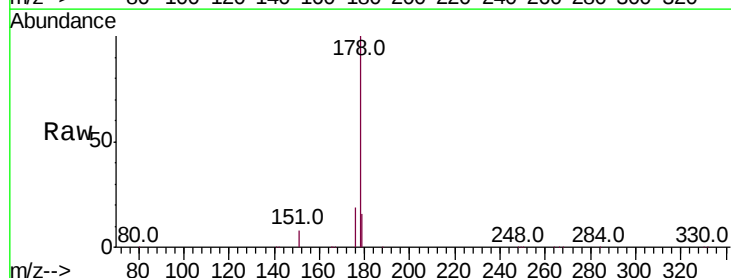
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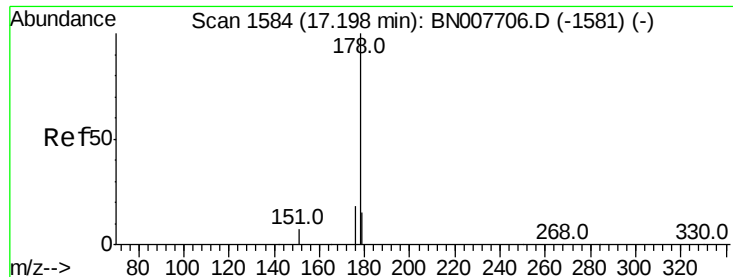
mohammad  
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#23  
 Phenanthrene  
 Concen: 2.156 ng  
 RT: 17.09 min Scan# 1574  
 Delta R.T. -0.02 min  
 Lab File: BN008015.D  
 Acq: 04 Oct 2019 22:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.5  | 14.9  | 22.3  |
| 179     | 15.9  | 12.5  | 18.7  |





#24

Anthracene

Concen: 0.882 ng

RT: 17.19 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BN008015.D

Acq: 04 Oct 2019 22:10

Instrument :

BNA\_N

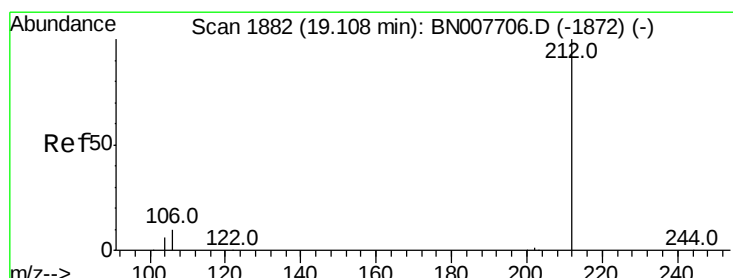
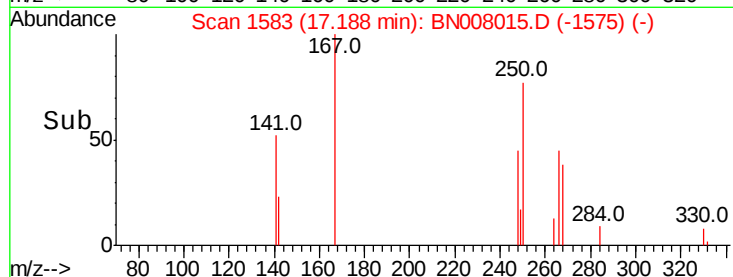
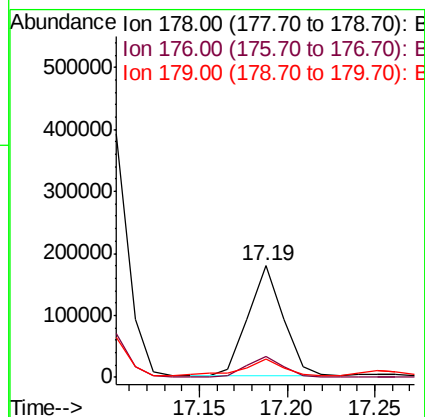
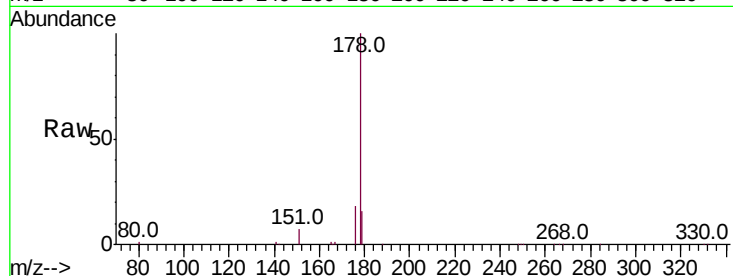
ClientSampleId :

EXT-024-SW073-092519

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:178 | Resp: | 247767    |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 18.0  | 14.6 21.8 |
| 179         | 17.8  | 12.2 18.4 |

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#25

Fluoranthene-d10

Concen: 0.295 ng

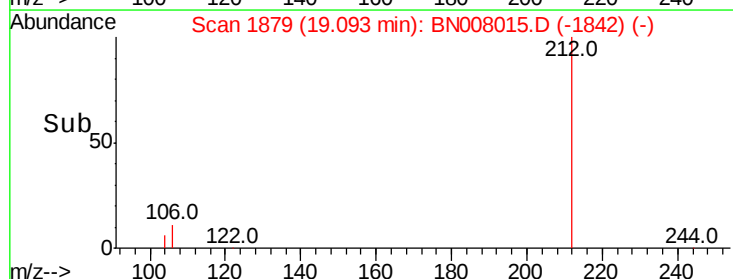
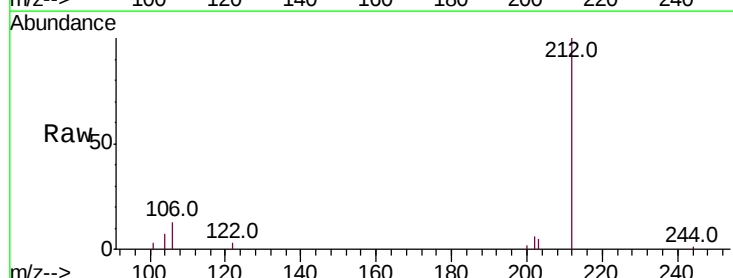
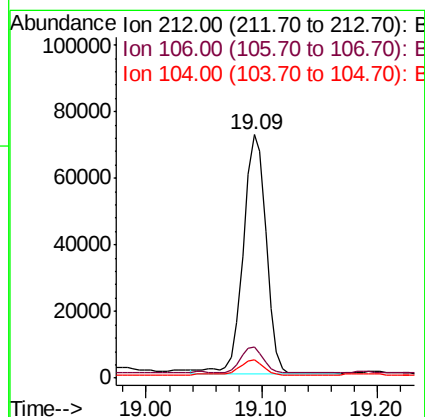
RT: 19.09 min Scan# 1879

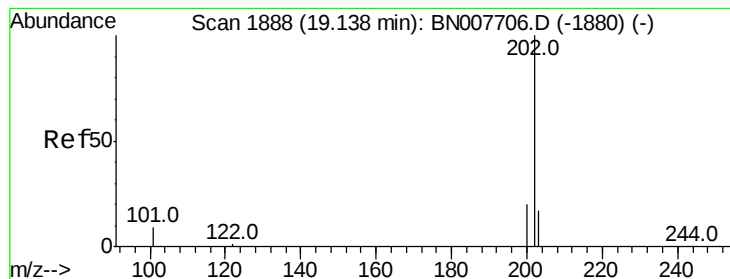
Delta R.T. -0.01 min

Lab File: BN008015.D

Acq: 04 Oct 2019 22:10

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:212 | Resp: | 99225    |
| Ion Ratio   | Lower | Upper    |
| 212         | 100   |          |
| 106         | 10.5  | 9.4 14.0 |
| 104         | 6.7   | 5.3 7.9  |





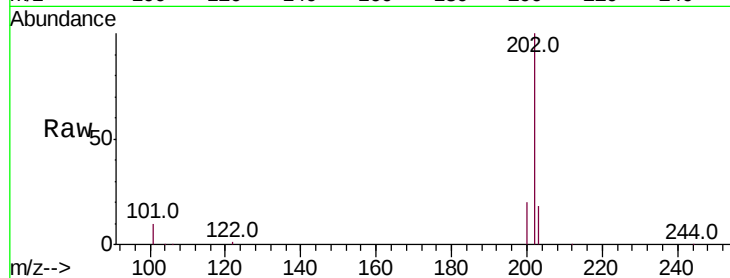
#26  
 Fluoranthene  
 Concen: 4.698 ng  
 RT: 19.12 min Scan# 1885  
 Delta R.T. -0.01 min  
 Lab File: BN008015.D  
 Acq: 04 Oct 2019 22:10

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EXT-024-SW073-092519

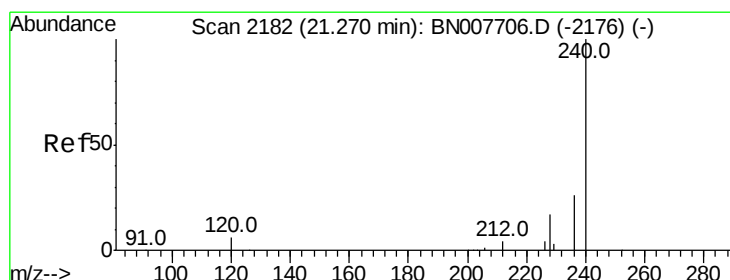
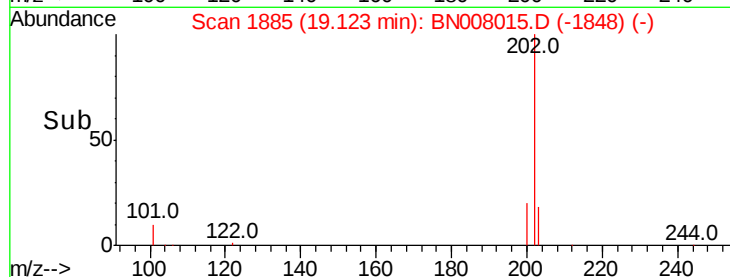
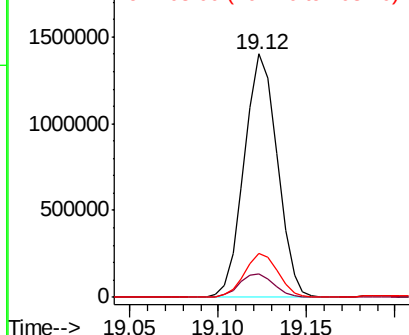
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.1  | 8.4   | 12.6  |
| 203     | 17.8  | 13.8  | 20.8  |

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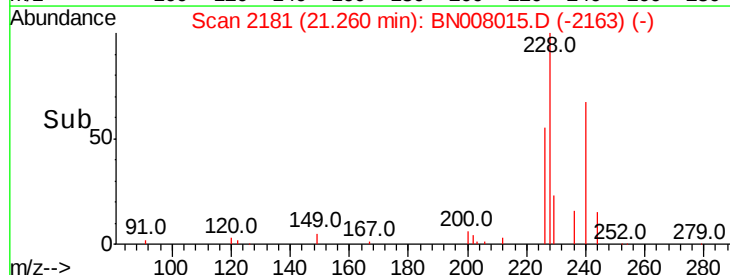
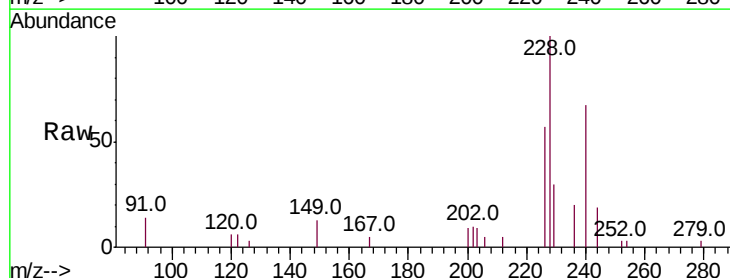
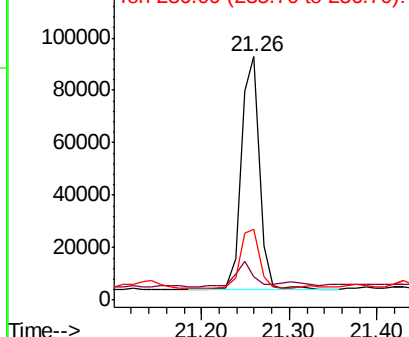
Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 203.00 (202.70 to 203.70): E

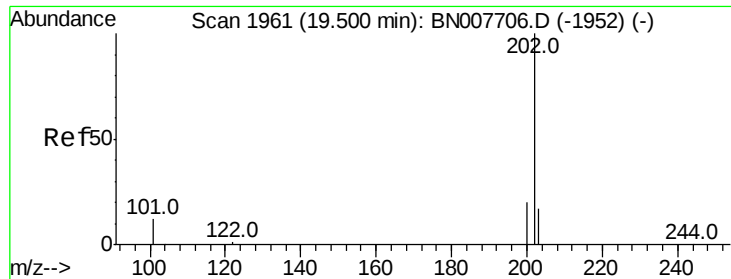


#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.26 min Scan# 2181  
 Delta R.T. -0.01 min  
 Lab File: BN008015.D  
 Acq: 04 Oct 2019 22:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 9.4   | 5.4   | 8.2#  |
| 236     | 29.3  | 21.0  | 31.4  |

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





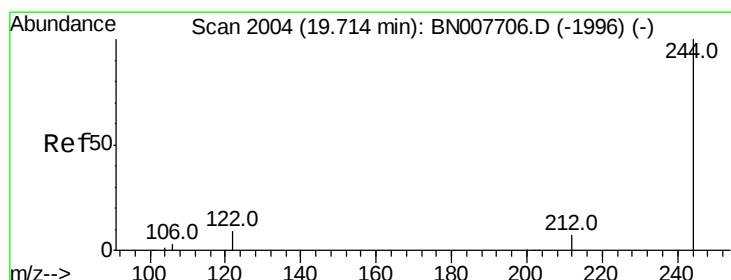
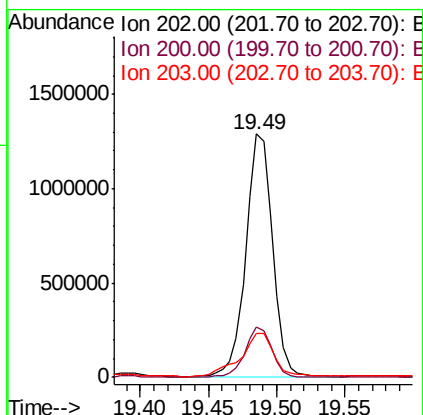
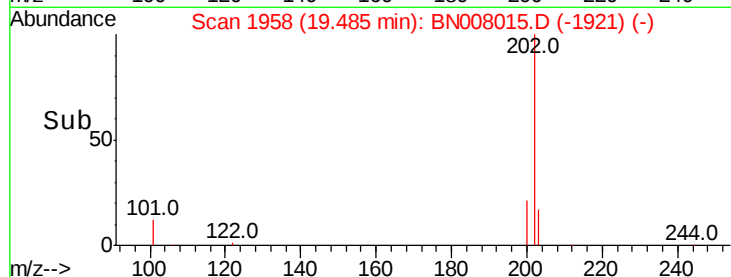
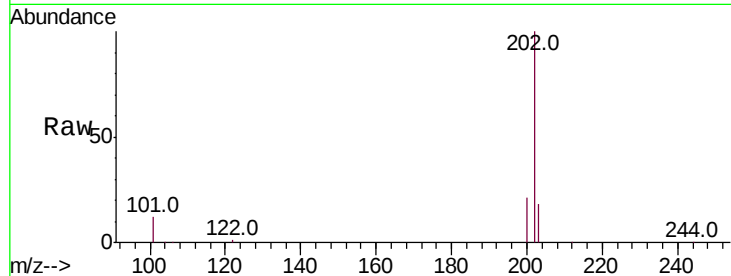
#28  
Pvrene  
Concen: 3.968 ng  
RT: 19.49 min Scan# 1958  
Delta R.T. -0.01 min  
Lab File: BN008015.D  
Acq: 04 Oct 2019 22:10

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-024-SW073-092519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.5  | 16.4  | 24.6  |
| 203     | 22.0  | 14.1  | 21.1# |

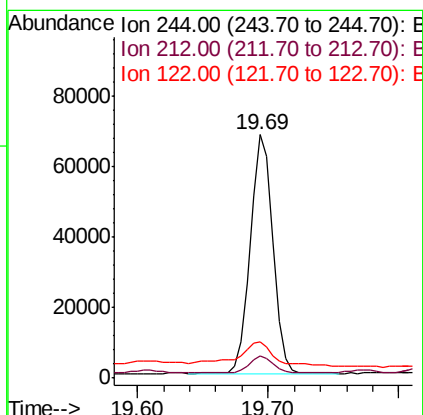
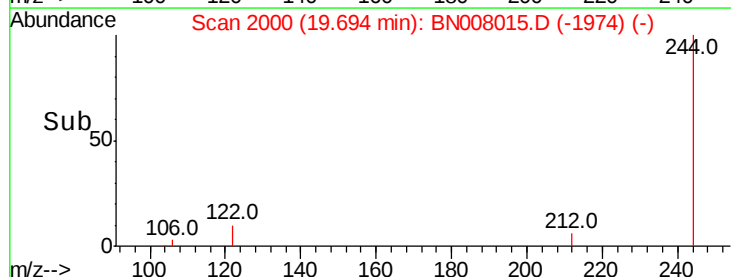
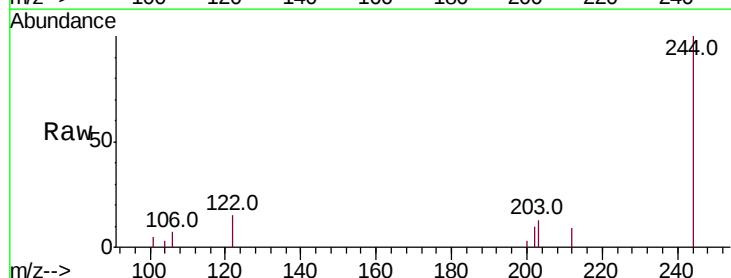
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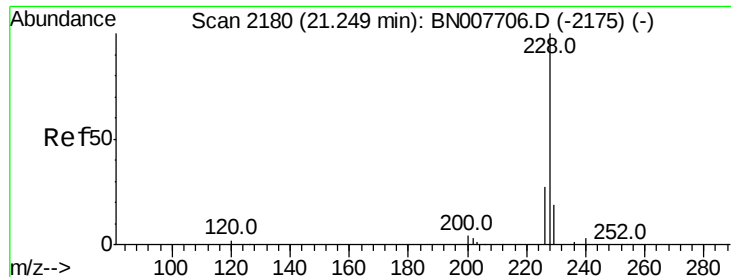
mohammad  
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#29  
Terphenyl-d14  
Concen: 0.260 ng  
RT: 19.69 min Scan# 2000  
Delta R.T. -0.02 min  
Lab File: BN008015.D  
Acq: 04 Oct 2019 22:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 9.0   | 5.9   | 8.9#  |
| 122     | 15.1  | 7.4   | 11.2# |





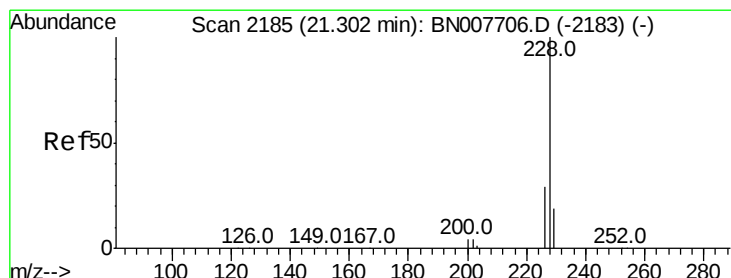
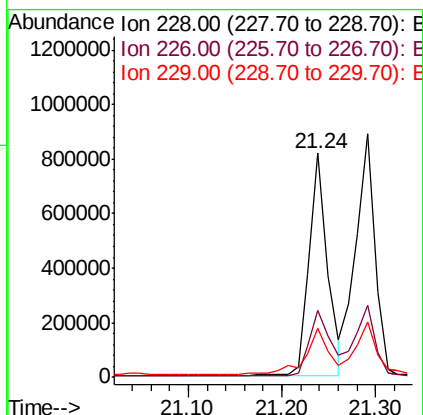
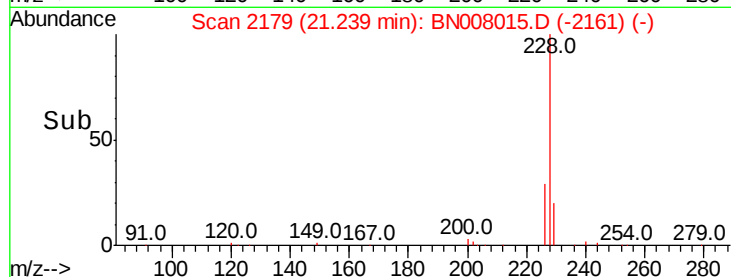
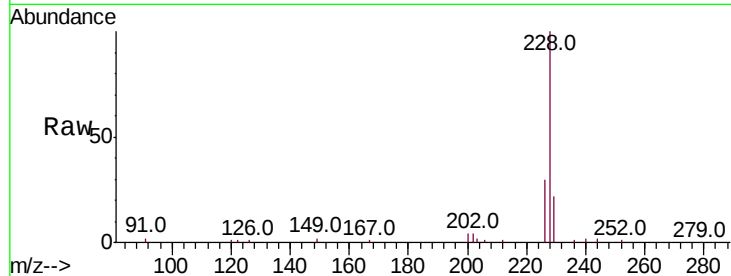
#30  
Benzo(a)anthracene  
Concen: 2.356 ng  
RT: 21.24 min Scan# 2179  
Delta R.T. -0.01 min  
Lab File: BN008015.D  
Acq: 04 Oct 2019 22:10

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-024-SW073-092519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.8  | 22.1  | 33.1  |
| 229     | 21.9  | 15.8  | 23.6  |

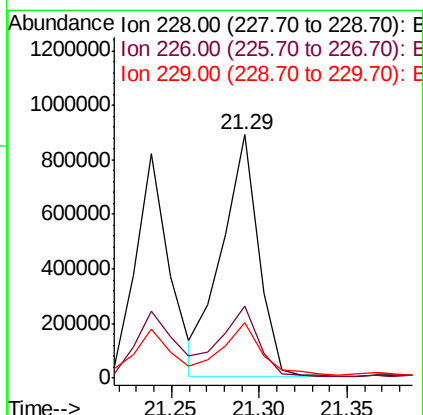
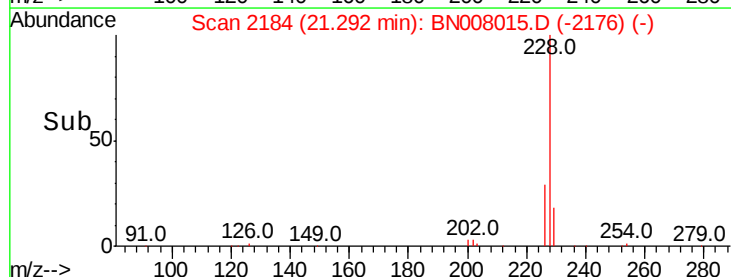
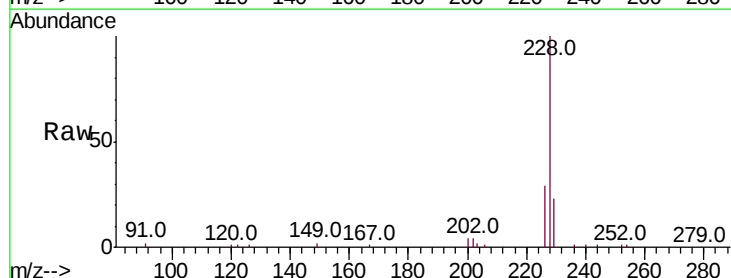
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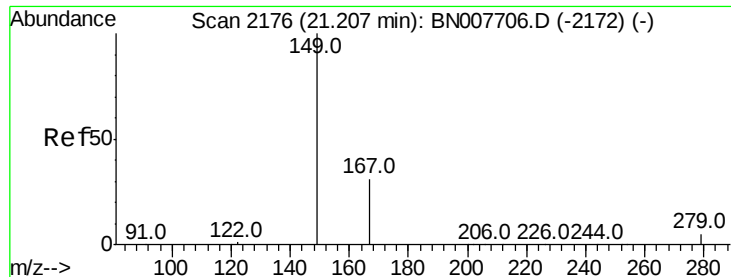
mohammad  
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#31  
Chrysene  
Concen: 2.757 ng  
RT: 21.29 min Scan# 2184  
Delta R.T. -0.01 min  
Lab File: BN008015.D  
Acq: 04 Oct 2019 22:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.5  | 23.9  | 35.9  |
| 229     | 22.8  | 15.8  | 23.6  |





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.821 ng/ml

RT: 21.17 min Scan# 2173

Delta R.T. -0.03 min

Lab File: BN008015.D

Acq: 04 Oct 2019 22:10

Instrument :

BNA\_N

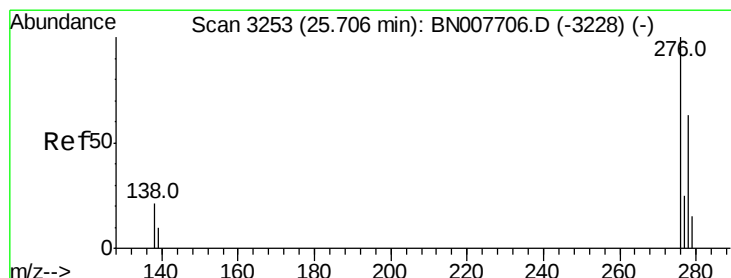
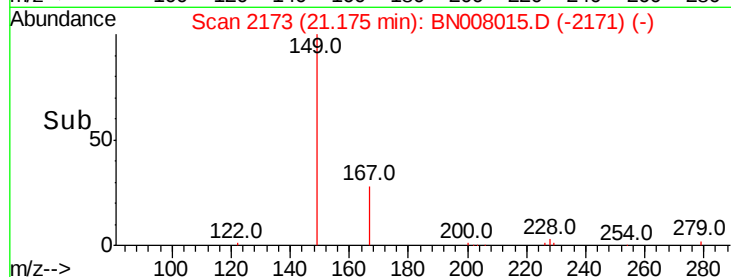
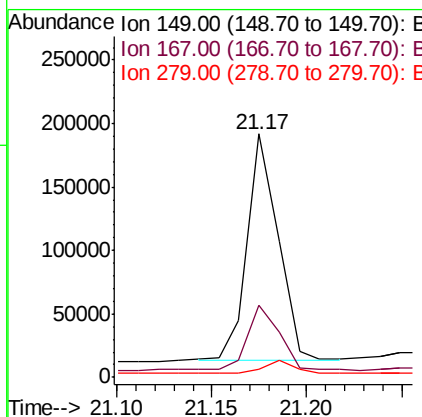
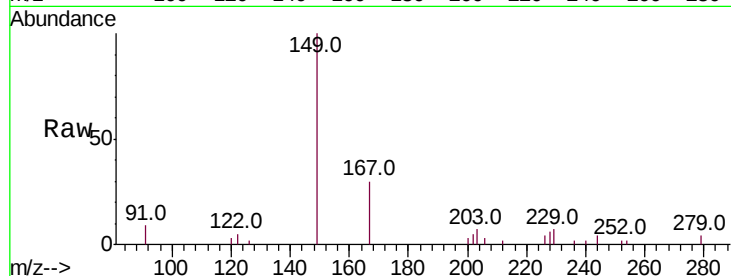
ClientSampleId :

EXT-024-SW073-092519

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 200157 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 26.6  | 23.7  | 35.5   |
| 279       | 5.3   | 4.2   | 6.2    |

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#33

Indeno(1,2,3-cd)pyrene

Concen: 1.842 ng

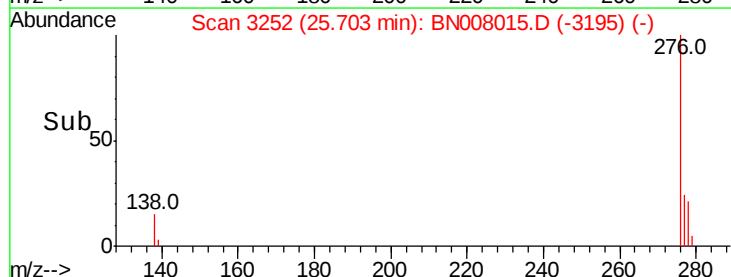
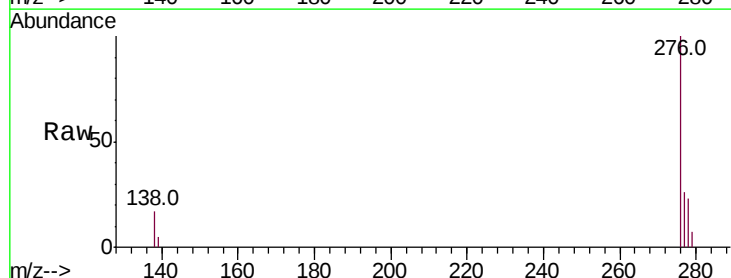
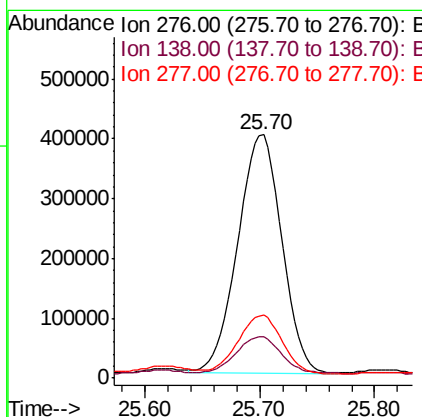
RT: 25.70 min Scan# 3252

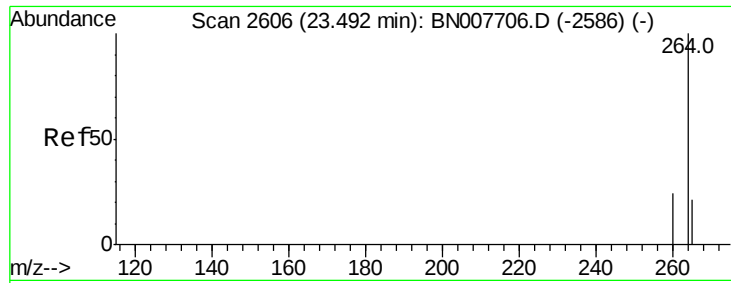
Delta R.T. -0.00 min

Lab File: BN008015.D

Acq: 04 Oct 2019 22:10

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 276   | Resp: | 1065293 |
| Ion Ratio | Lower | Upper |         |
| 276       | 100   |       |         |
| 138       | 16.2  | 17.1  | 25.7#   |
| 277       | 24.7  | 20.0  | 30.0    |





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.47 min Scan# 2601

Delta R.T. -0.02 min

Lab File: BN008015.D

Acq: 04 Oct 2019 22:10

Instrument :

BNA\_N

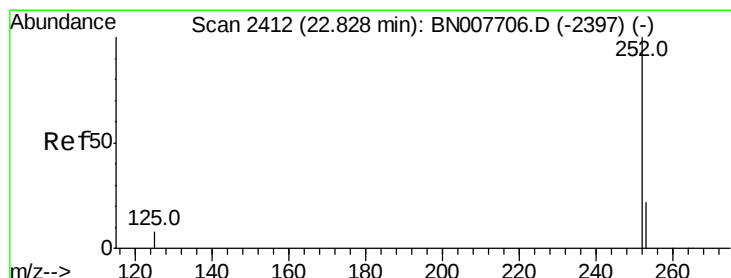
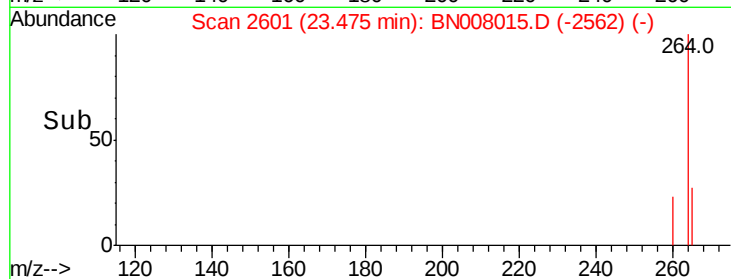
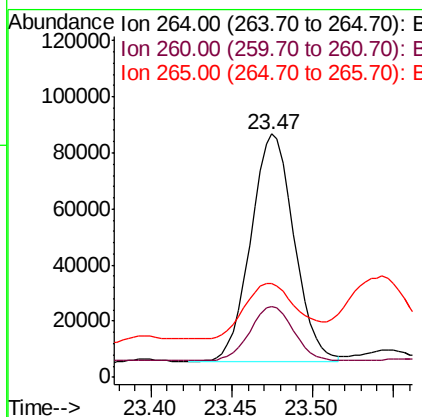
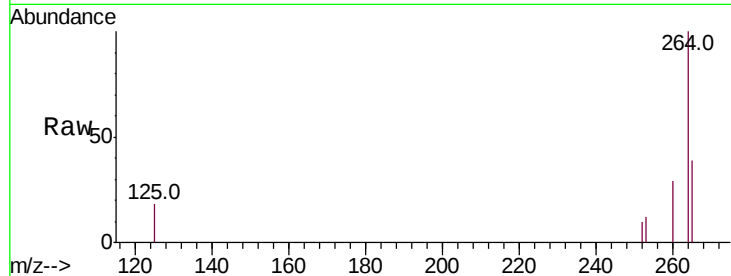
ClientSampleId :

EXT-024-SW073-092519

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 264   | Resp: | 150913 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 29.2  | 19.3  | 28.9#  |
| 265       | 38.6  | 26.9  | 40.3   |

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#35

Benzo(b)fluoranthene

Concen: 3.689 ng

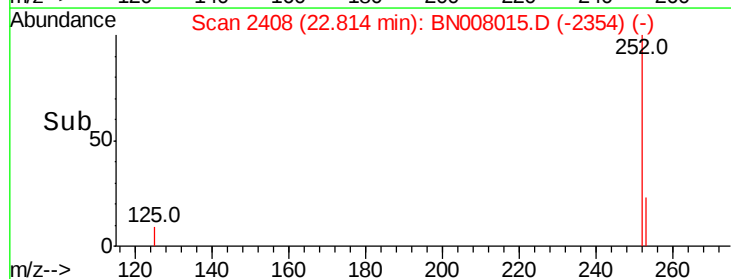
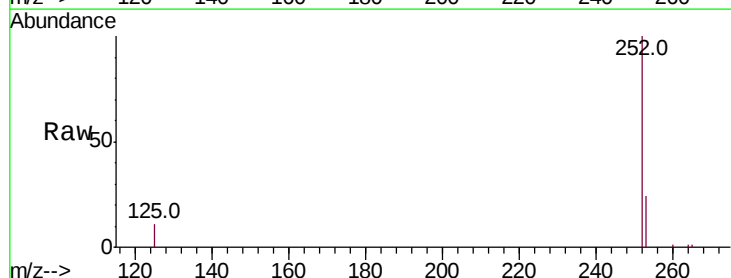
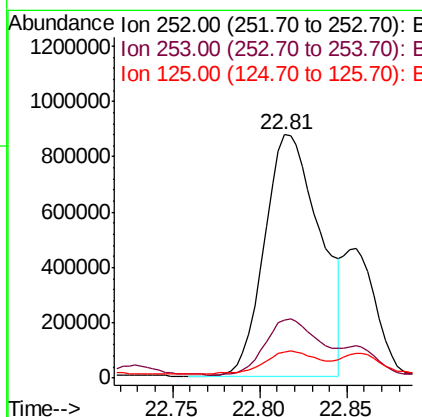
RT: 22.81 min Scan# 2408

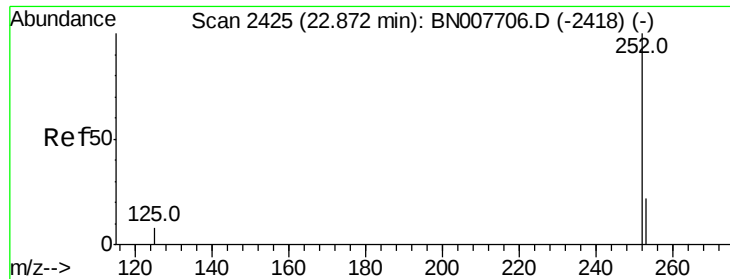
Delta R.T. -0.01 min

Lab File: BN008015.D

Acq: 04 Oct 2019 22:10

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 252   | Resp: | 1932689 |
| Ion Ratio | Lower | Upper |         |
| 252       | 100   |       |         |
| 253       | 24.1  | 18.3  | 27.5    |
| 125       | 10.7  | 8.2   | 12.4    |





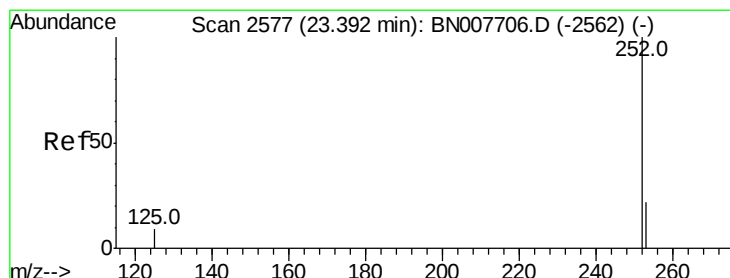
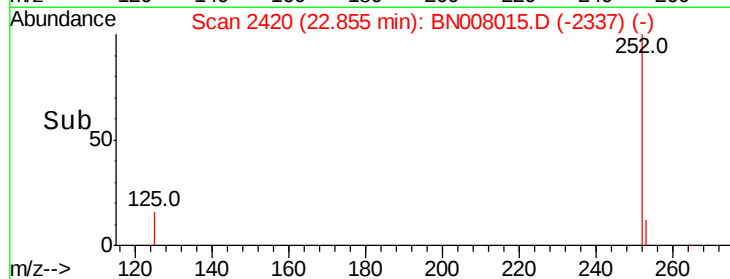
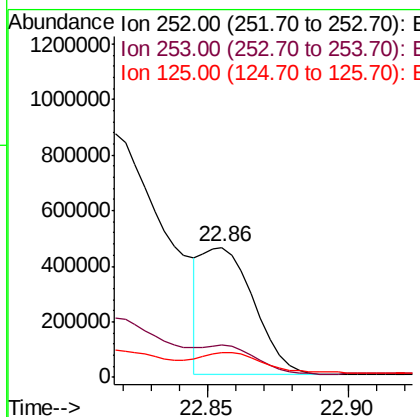
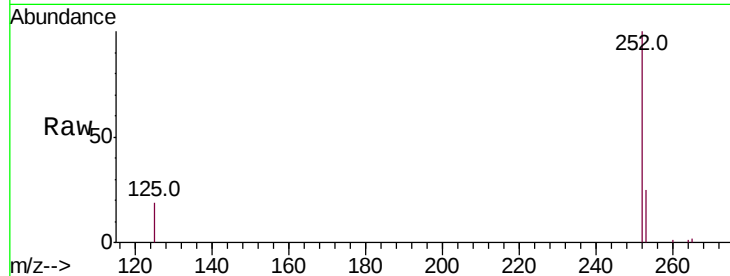
#36  
Benzo(k)fluoranthene  
Concen: 1.155 ng m  
RT: 22.86 min Scan# 2420  
Delta R.T. -0.02 min  
Lab File: BN008015.D  
Acq: 04 Oct 2019 22:10

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-024-SW073-092519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.9  | 18.5  | 27.7  |
| 125     | 19.2  | 8.4   | 12.6  |

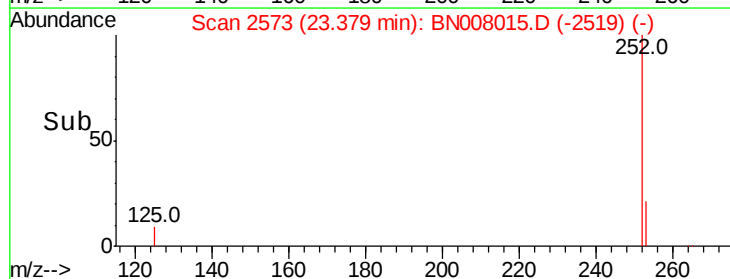
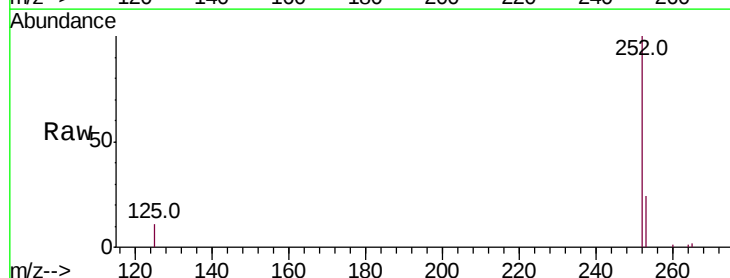
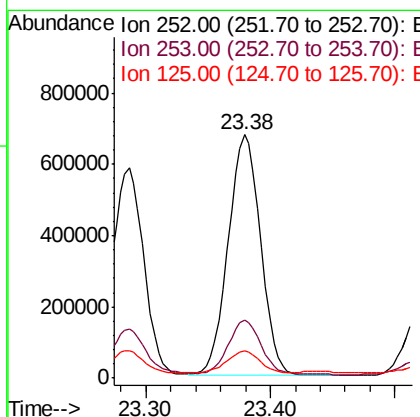
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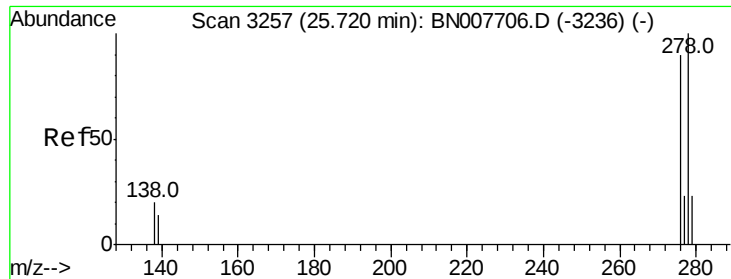
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#37  
Benzo(a)pyrene  
Concen: 2.474 ng  
RT: 23.38 min Scan# 2573  
Delta R.T. -0.01 min  
Lab File: BN008015.D  
Acq: 04 Oct 2019 22:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.8  | 18.6  | 27.8  |
| 125     | 11.0  | 9.4   | 14.0  |





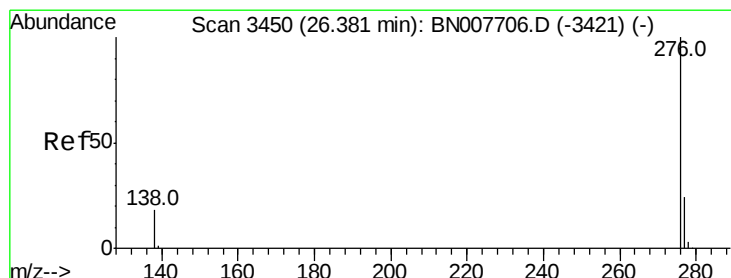
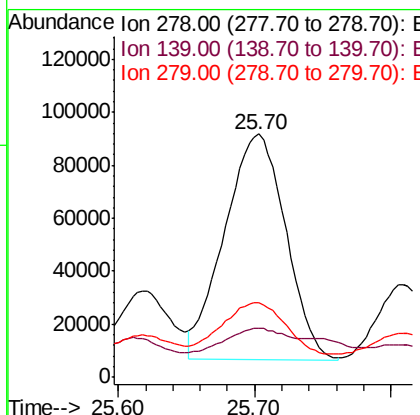
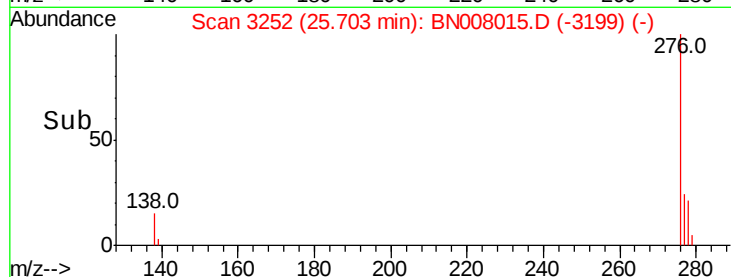
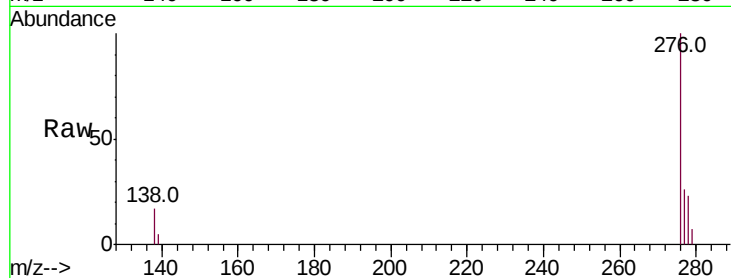
#38  
Dibenzo(a,h)anthracene  
Concen: 0.525 ng  
RT: 25.70 min Scan# 3252  
Delta R.T. -0.02 min  
Lab File: BN008015.D  
Acq: 04 Oct 2019 22:10

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-024-SW073-092519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 20.2  | 11.8  | 17.6# |
| 279     | 30.6  | 19.4  | 29.2# |

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#39  
Benzo(g,h,i)perylene  
Concen: 2.230 ng  
RT: 26.38 min Scan# 3451  
Delta R.T. 0.00 min  
Lab File: BN008015.D  
Acq: 04 Oct 2019 22:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 25.5  | 19.8  | 29.8  |
| 138     | 17.5  | 15.1  | 22.7  |

